

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102820\
 Data File : VX019156.D
 Acq On : 28 Oct 2020 11:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 9:45:29 AM

Quant Time: Oct 29 02:09:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	280219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	455839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	410813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203744	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	169958	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
35) Dibromofluoromethane	5.46	113	139503	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	8.70	98	521943	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	11.12	95	195336	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	127297	54.492	ug/l	99
3) Chloromethane	1.31	50	137580	52.715	ug/l	100
4) Vinyl Chloride	1.39	62	162795	53.786	ug/l	99
5) Bromomethane	1.64	94	107647	52.078	ug/l	100
6) Chloroethane	1.71	64	105102	54.387	ug/l	98
7) Trichlorofluoromethane	1.92	101	259264	54.524	ug/l	100
8) Diethyl Ether	2.17	74	99709	54.637	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	145280	55.122	ug/l	99
10) Methyl Iodide	2.49	142	166673	53.120	ug/l	99
11) Tert butyl alcohol	3.02	59	177656	248.898	ug/l	99
12) 1,1-Dichloroethene	2.36	96	141326	52.036	ug/l	98
13) Acrolein	2.27	56	77954	244.401	ug/l	98
14) Allyl chloride	2.70	41	221883	53.938	ug/l	99
15) Acrylonitrile	3.11	53	394218	262.831	ug/l	99
16) Acetone	2.42	43	367334	294.647	ug/l	99
17) Carbon Disulfide	2.55	76	389826	50.349	ug/l	99
18) Methyl Acetate	2.75	43	157627	51.995	ug/l	100
19) Methyl tert-butyl Ether	3.16	73	511271	54.331	ug/l	99
20) Methylene Chloride	2.83	84	161952	51.744	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	160499	51.347	ug/l	97
22) Diisopropyl ether	3.82	45	460184	56.113	ug/l	94
23) Vinyl Acetate	3.78	43	2042170	279.237	ug/l	99
24) 1,1-Dichloroethane	3.67	63	278411	54.372	ug/l	99
25) 2-Butanone	4.63	43	558974	284.496	ug/l	99
26) 2,2-Dichloropropane	4.54	77	263999	54.843	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	184414	52.797	ug/l	98
28) Bromochloromethane	4.98	49	118761	51.018	ug/l	97
29) Tetrahydrofuran	5.08	42	339378	274.091	ug/l	99
30) Chloroform	5.17	83	294403	54.016	ug/l	99
31) Cyclohexane	5.54	56	245779	53.804	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	270083	54.657	ug/l	99
36) 1,1-Dichloropropene	5.76	75	225219	53.505	ug/l	100
37) Ethyl Acetate	4.79	43	213182	54.547	ug/l	99
38) Carbon Tetrachloride	5.75	117	236968	55.230	ug/l	97

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Quant Time: Oct 29 02:09:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	278512	55.336	ug/l	99
40) Benzene	6.11	78	656414	55.000	ug/l	99
41) Methacrylonitrile	4.99	41	112965	53.672	ug/l	100
42) 1,2-Dichloroethane	6.16	62	238959	54.327	ug/l	100
43) Isopropyl Acetate	6.40	43	354592	54.185	ug/l	100
44) Trichloroethene	7.18	130	179812	52.607	ug/l	98
45) 1,2-Dichloropropane	7.49	63	163631	55.976	ug/l	100
46) Dibromomethane	7.63	93	114839	53.126	ug/l	99
47) Bromodichloromethane	7.87	83	236069	55.406	ug/l	99
48) Methyl methacrylate	7.74	41	175265	55.644	ug/l	98
49) 1,4-Dioxane	7.73	88	74903	1069.332	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1052374	279.797	ug/l	100
52) Toluene	8.76	92	424414	55.214	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	266598	54.782	ug/l	99
54) cis-1,3-Dichloropropene	8.41	75	280532	54.819	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	166278	54.748	ug/l	99
56) Ethyl methacrylate	9.16	69	256733	55.964	ug/l	99
57) 1,3-Dichloropropane	9.35	76	282183	55.108	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	670379	261.297	ug/l	98
59) 2-Hexanone	9.47	43	855856	298.929	ug/l	100
60) Dibromochloromethane	9.56	129	184479	55.969	ug/l	100
61) 1,2-Dibromoethane	9.65	107	176386	54.310	ug/l	100
64) Tetrachloroethene	9.32	164	169258	54.077	ug/l	99
65) Chlorobenzene	10.12	112	446384	53.162	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	166309	55.018	ug/l	100
67) Ethyl Benzene	10.23	91	814480	54.436	ug/l	98
68) m/p-Xylenes	10.34	106	614704	109.465	ug/l	98
69) o-Xylene	10.68	106	289546	54.362	ug/l	100
70) Styrene	10.70	104	496560	54.640	ug/l	99
71) Bromoform	10.84	173	128817	53.748	ug/l #	99
73) Isopropylbenzene	11.00	105	787787	54.624	ug/l	100
74) N-amyl acetate	10.88	43	296192	56.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	245868	54.549	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	233840m	55.585	ug/l	
77) Bromobenzene	11.24	156	189020	52.808	ug/l	96
78) n-propylbenzene	11.34	91	914610	55.555	ug/l	100
79) 2-Chlorotoluene	11.40	91	525831	54.251	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	663079	54.423	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	84611	52.956	ug/l	98
82) 4-Chlorotoluene	11.49	91	629787	53.209	ug/l	99
83) tert-Butylbenzene	11.76	119	641047	54.951	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	673079	54.722	ug/l	100
85) sec-Butylbenzene	11.93	105	773375	55.274	ug/l	100
86) p-Isopropyltoluene	12.05	119	720950	55.826	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	347359	52.111	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	351004	50.587	ug/l	99
89) n-Butylbenzene	12.37	91	661659	54.507	ug/l	99
90) Hexachloroethane	12.58	117	123159	56.107	ug/l	98
91) 1,2-Dichlorobenzene	12.37	146	340056	53.128	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	58275	52.815	ug/l	99

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MSVOA_X
ClientSampleId :
VSTDCCC050

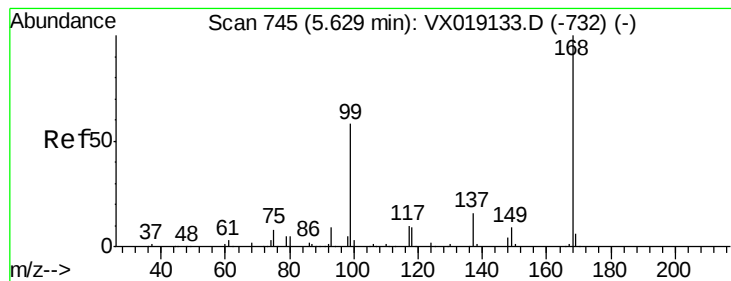
Manual Integrations
APPROVED

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10/29/2020 9:45:29 AM

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Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	240018	49.923	ug/l	98
94) Hexachlorobutadiene	13.77	225	104412	49.335	ug/l	98
95) Naphthalene	13.82	128	767399	50.680	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	239567	51.364	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



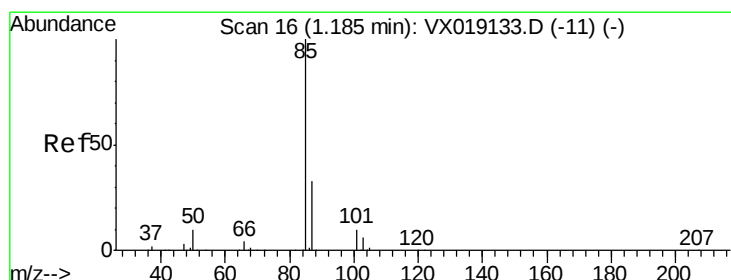
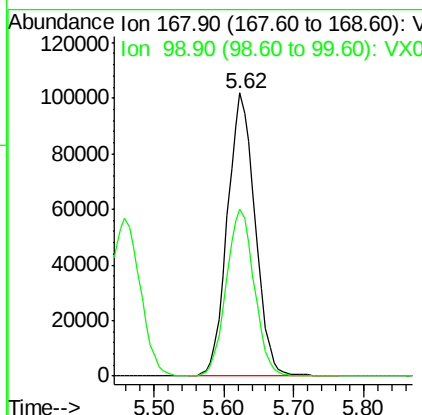
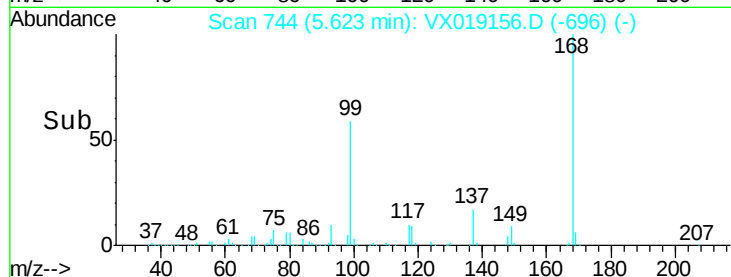
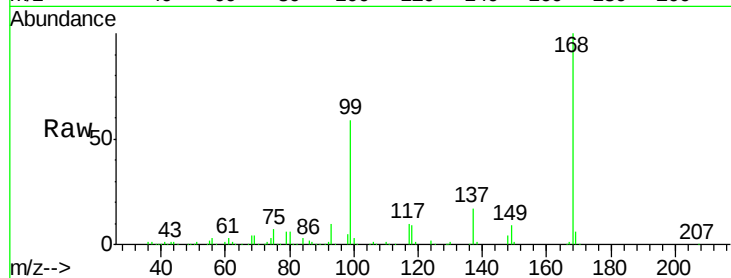
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.7	46.6	69.8

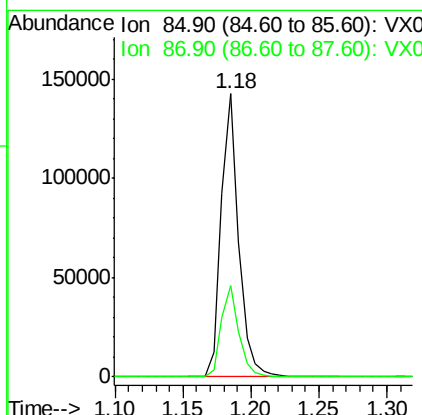
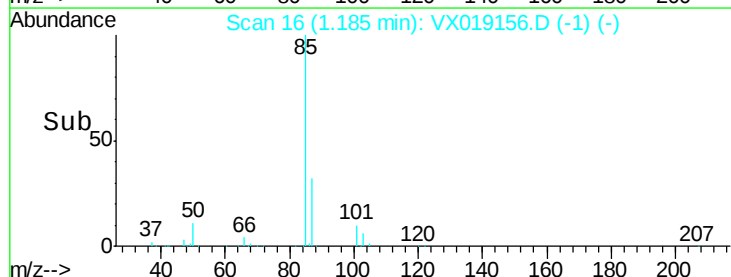
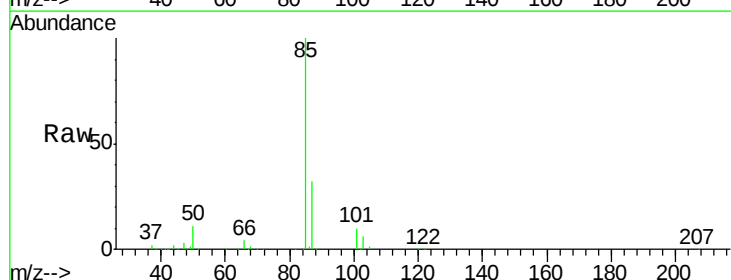
Manual Integrations
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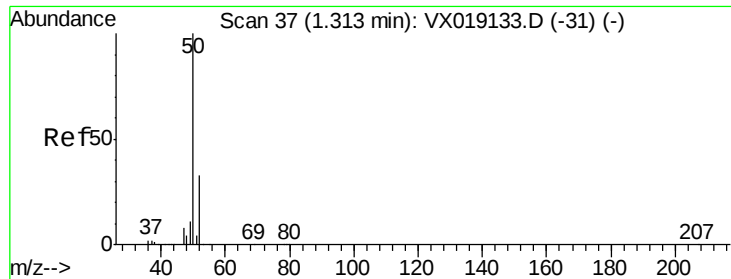
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#2
Dichlorodifluoromethane
Concen: 54.492 ug/l
RT: 1.18 min Scan# 16
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.7





#3

Chloromethane

Concen: 52.715 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 137580

Ion Ratio Lower Upper

50 100

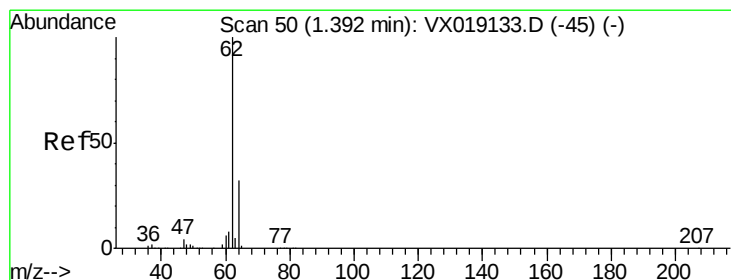
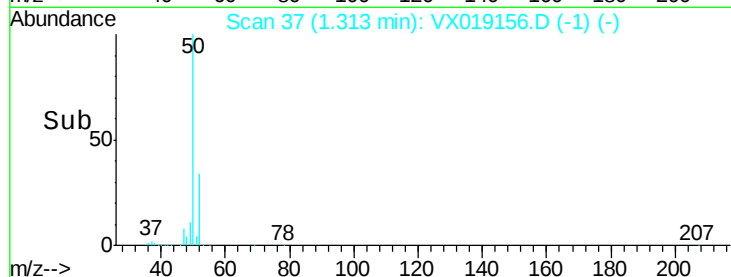
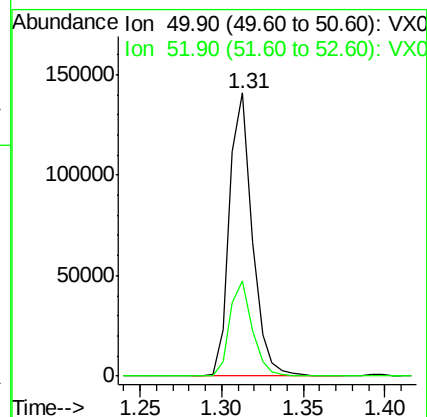
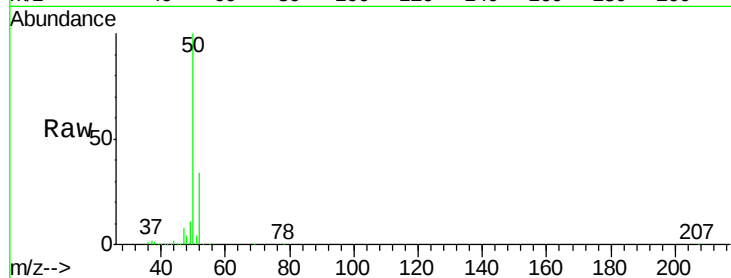
52 33.5 26.8 40.2

Manual Integrations

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10/29/2020 9:45:29 AM



#4

Vinyl Chloride

Concen: 53.786 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019156.D

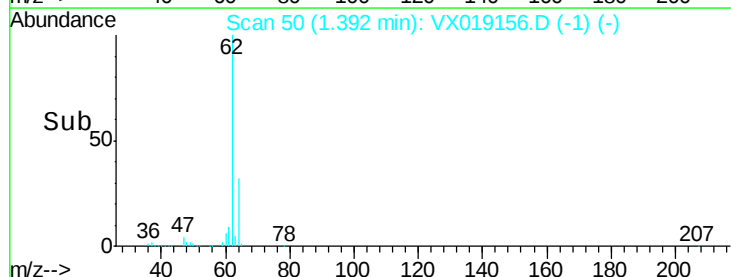
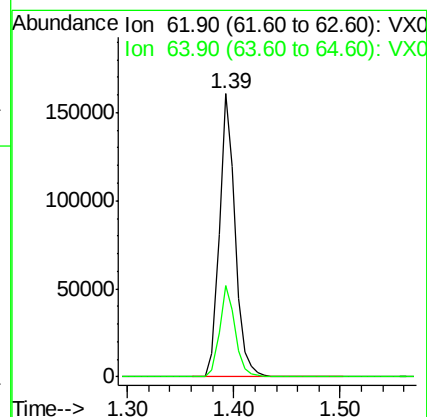
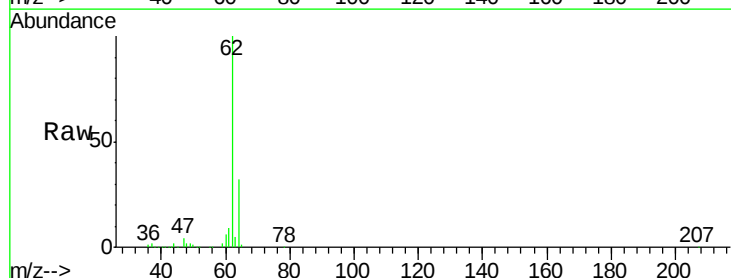
Acq: 28 Oct 2020 11:07

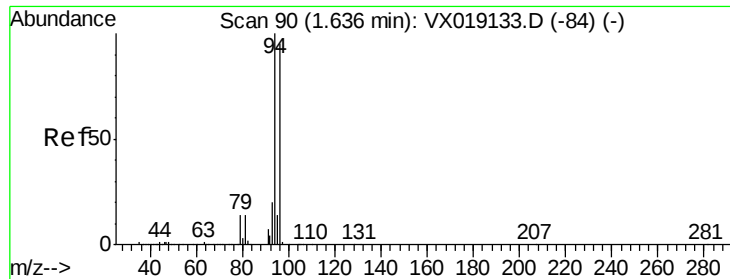
Tgt Ion: 62 Resp: 162795

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 52.078 ug/l

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 107647

Ion Ratio Lower Upper

94 100

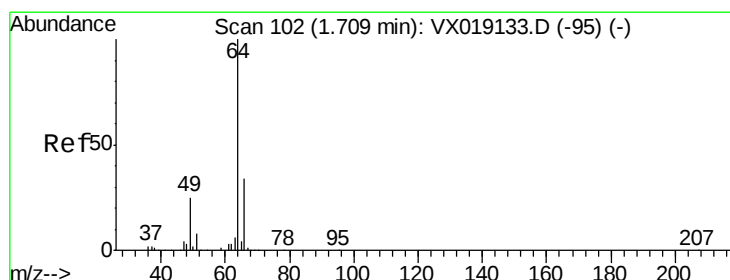
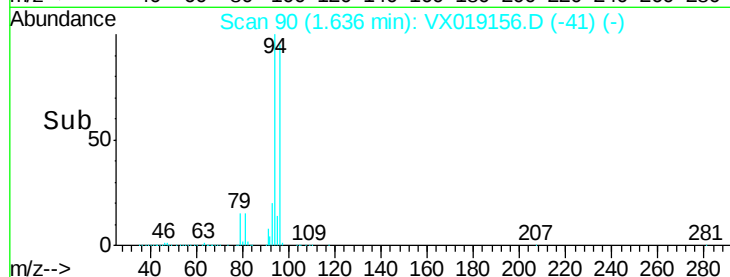
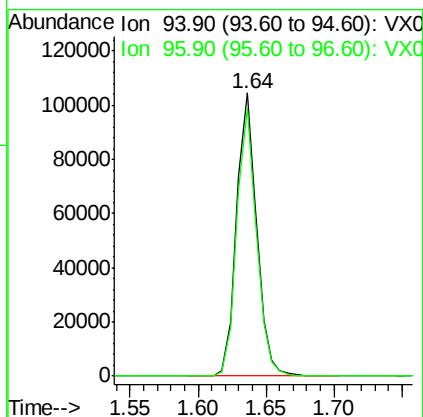
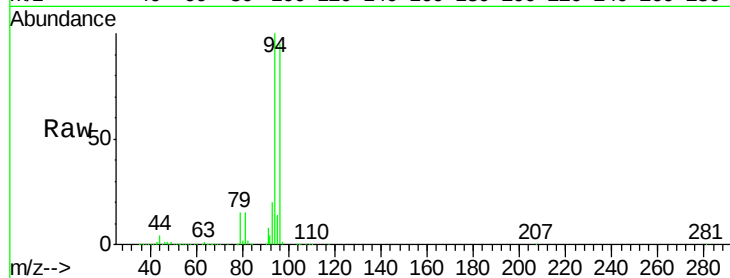
96 94.7 76.0 114.0

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#6

Chloroethane

Concen: 54.387 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX019156.D

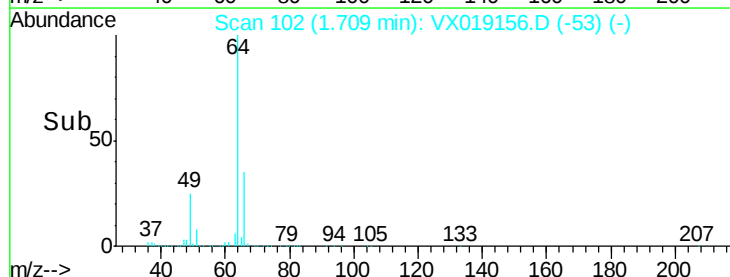
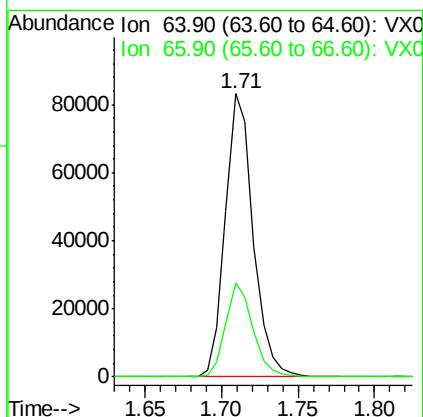
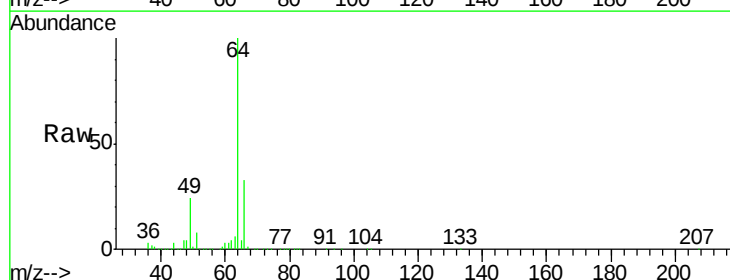
Acq: 28 Oct 2020 11:07

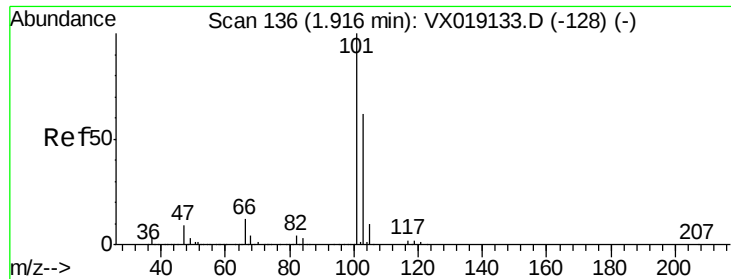
Tgt Ion: 64 Resp: 105102

Ion Ratio Lower Upper

64 100

66 32.9 27.1 40.7





#7

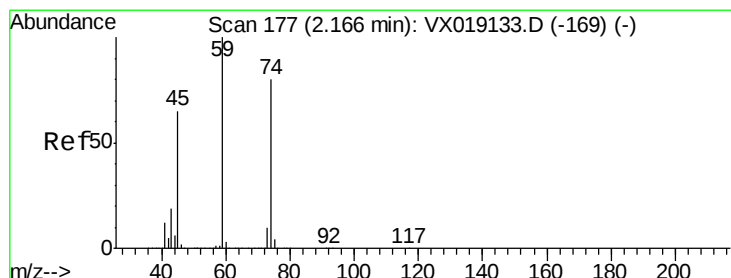
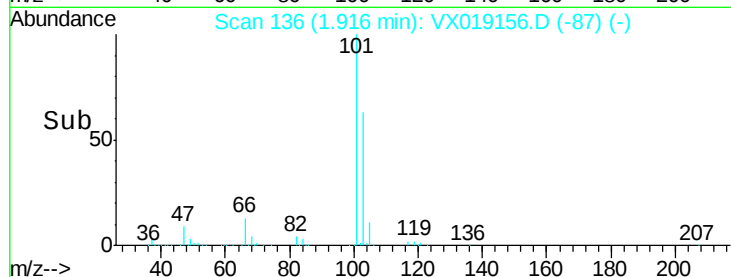
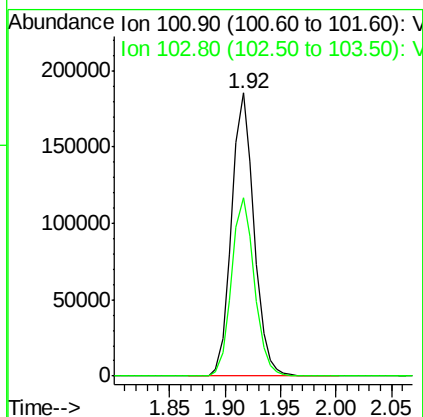
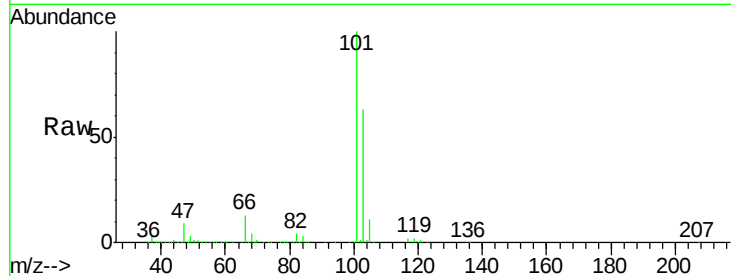
Trichlorofluoromethane
Concen: 54.524 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	259264		
103	62.9	50.0	50.0	75.0

Manual Integrations
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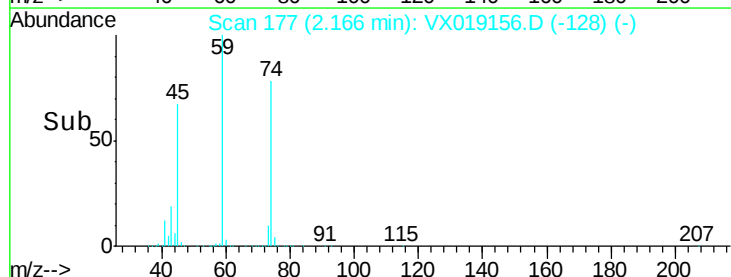
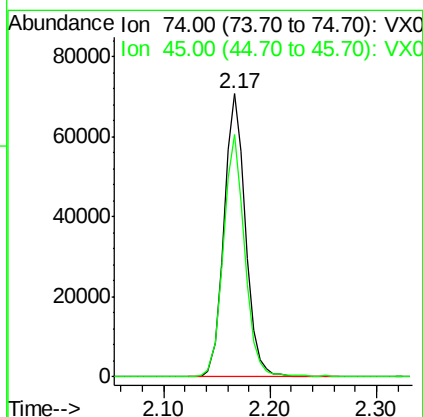
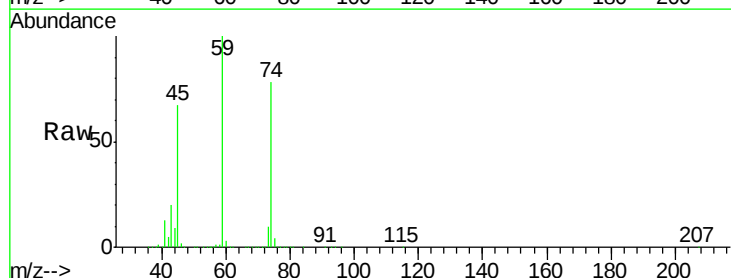
MMDadoda
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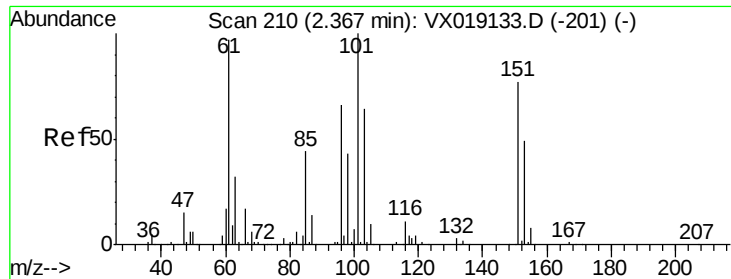


#8

Diethyl Ether
Concen: 54.637 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	99709		
45	84.1	41.0	41.0	123.0





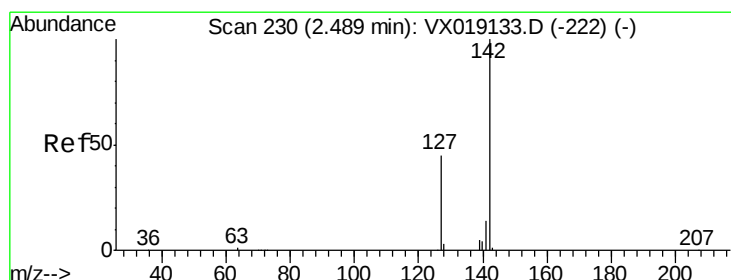
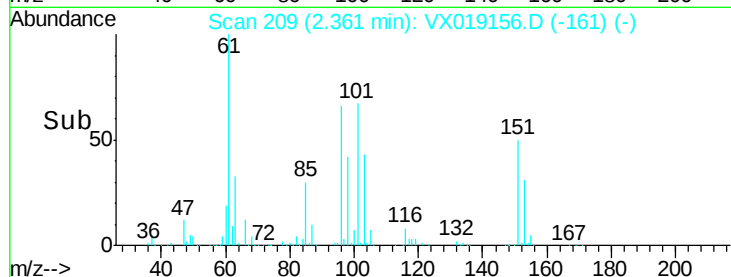
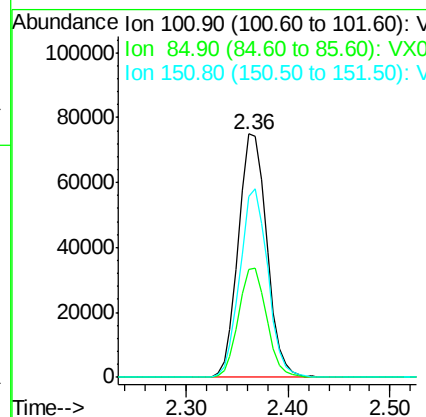
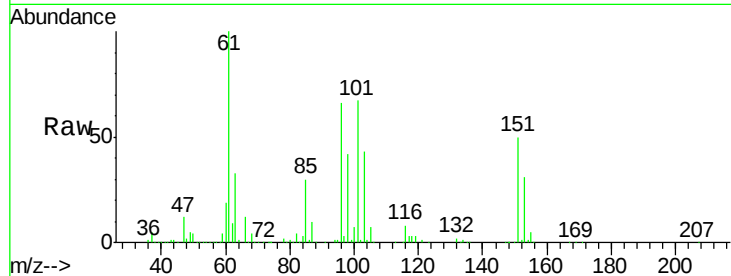
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.122 ug/l
RT: 2.36 min Scan# 209
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	44.1	35.0	52.4
151	75.9	61.4	92.2

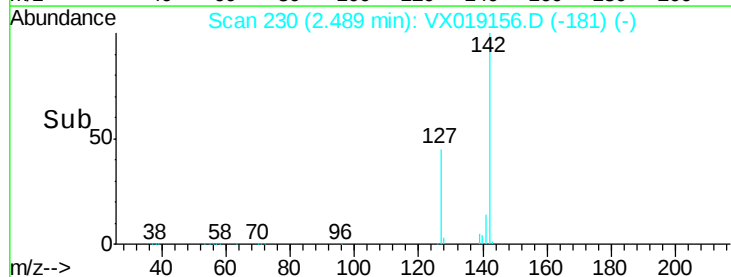
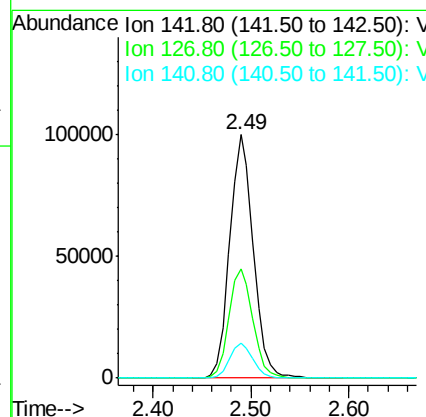
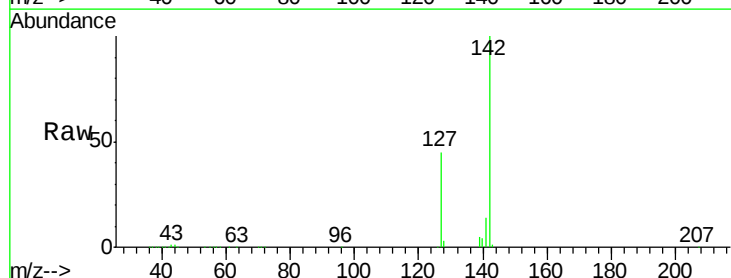
Manual Integrations
APPROVED

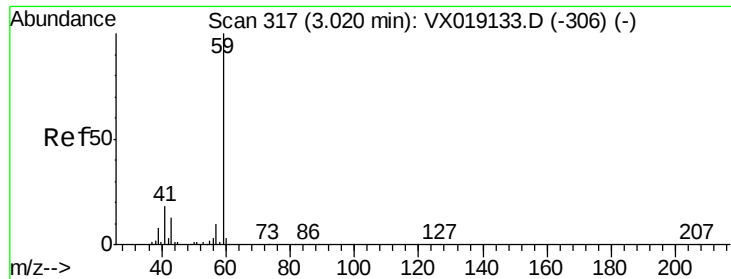
MMDadoda
10/29/2020 9:45:29 AM



#10
Methyl Iodide
Concen: 53.120 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
127	45.6	36.1	54.1
141	14.3	11.3	16.9





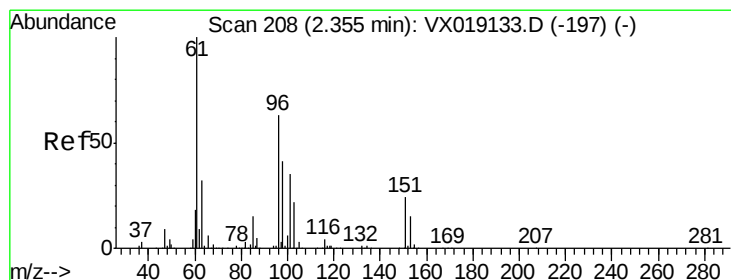
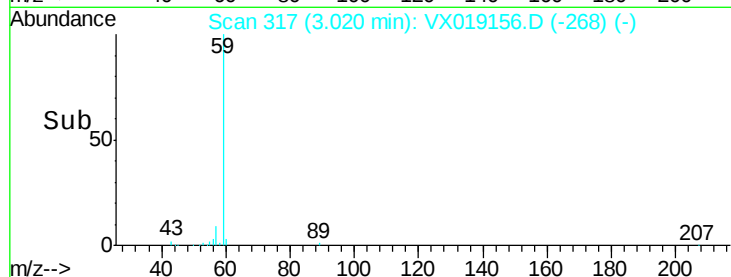
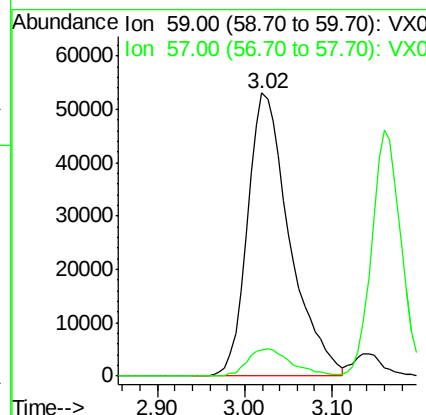
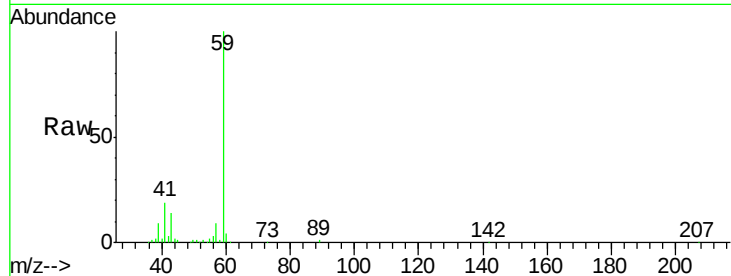
#11
Tert butyl alcohol
Concen: 248.898 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 177656
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6

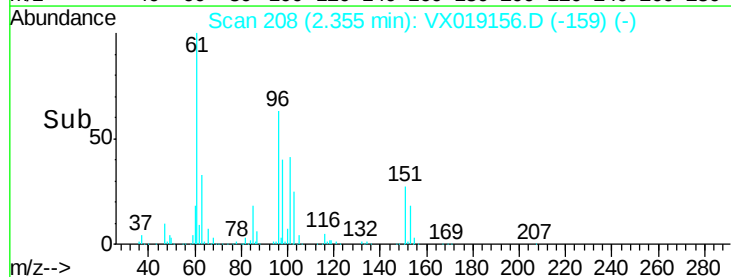
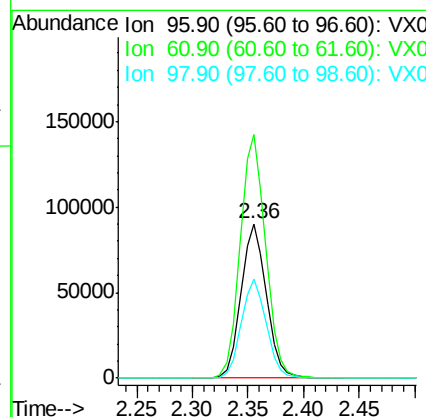
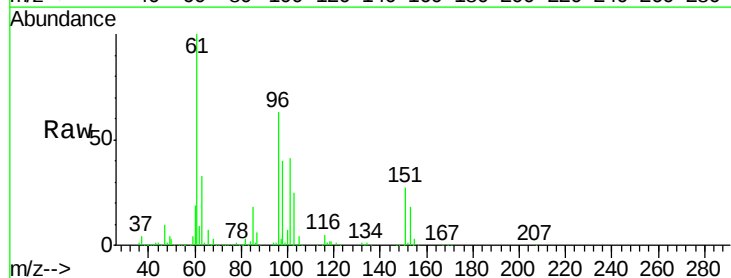
Manual Integrations
APPROVED

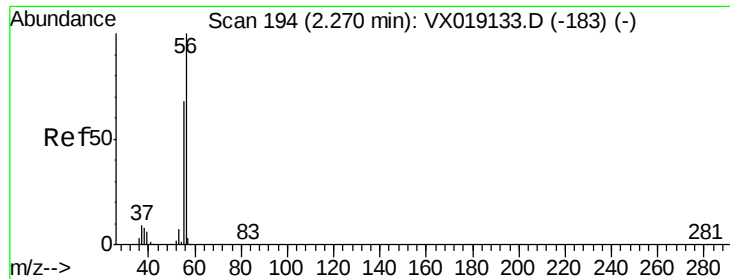
MMDadoda
10/29/2020 9:45:29 AM



#12
1,1-Dichloroethene
Concen: 52.036 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion: 96 Resp: 141326
Ion Ratio Lower Upper
96 100
61 157.6 127.7 191.5
98 63.7 52.1 78.1





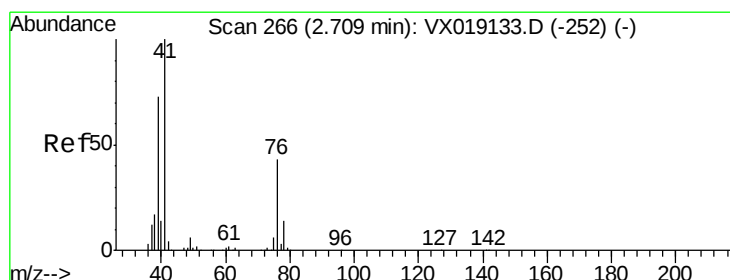
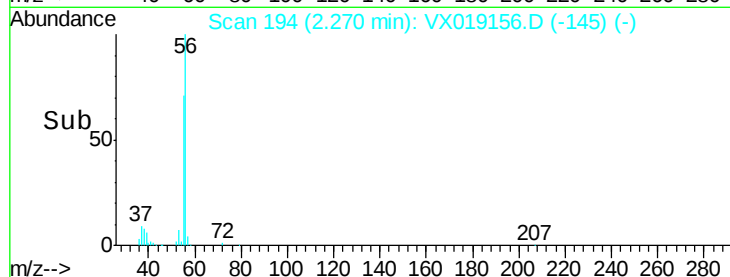
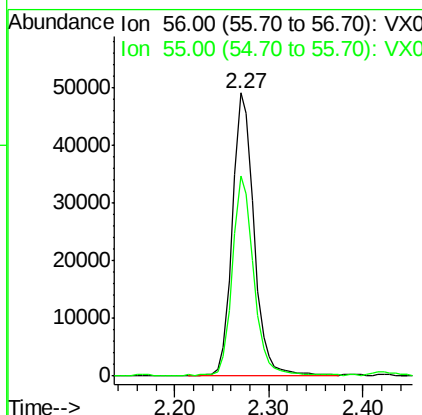
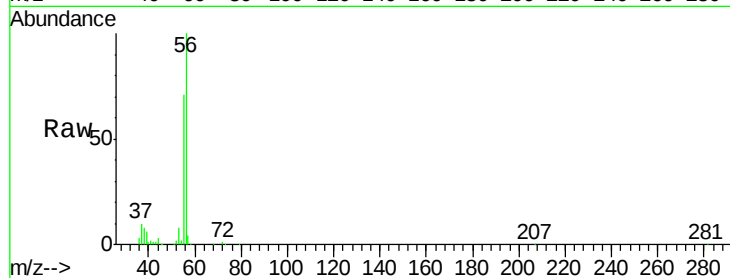
#13
Acrolein
Concen: 244.401 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	69.7	54.7	82.1

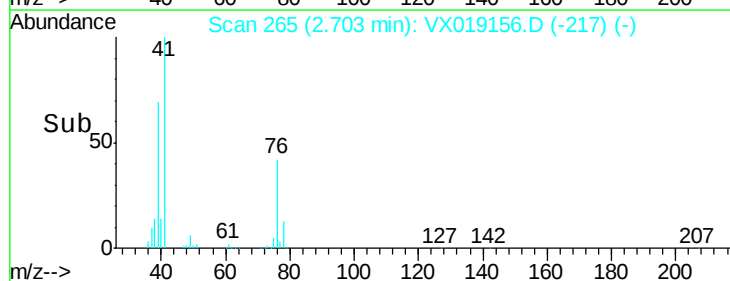
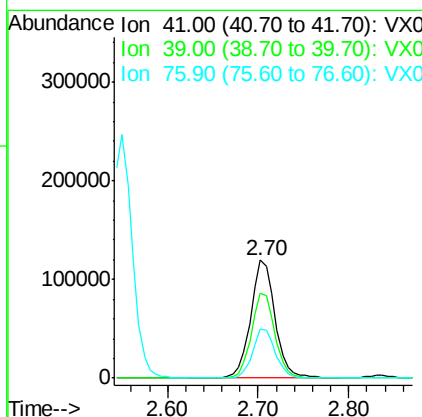
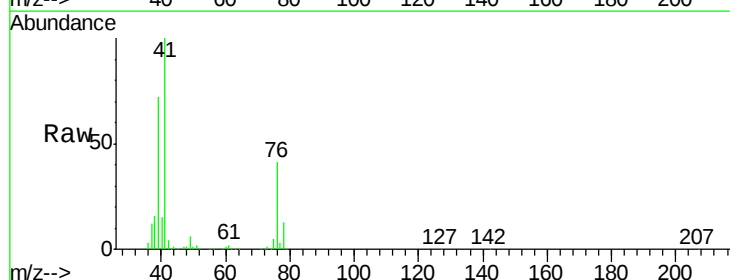
Manual Integrations
APPROVED

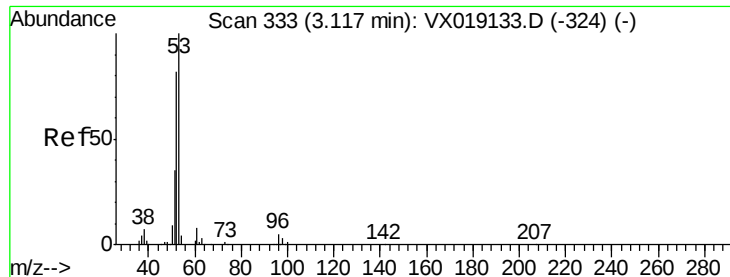
MMDadoda
10/29/2020 9:45:29 AM



#14
Allyl chloride
Concen: 53.938 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	69.2	55.2	82.8
76	76	38.8	31.5	47.3





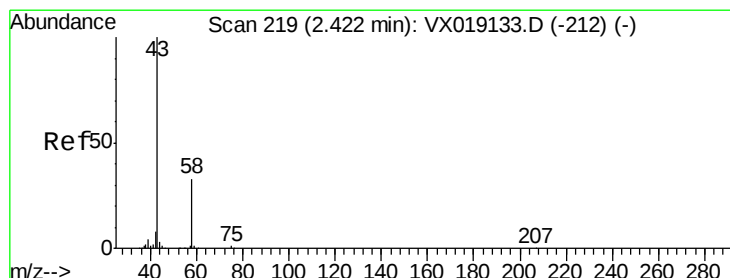
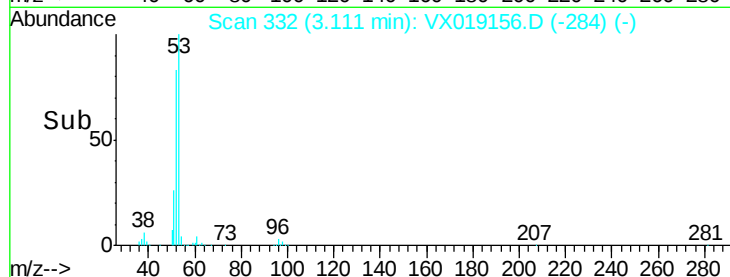
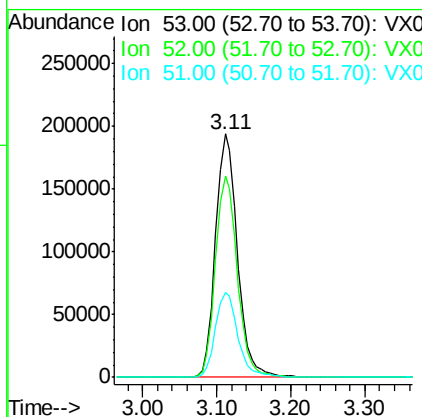
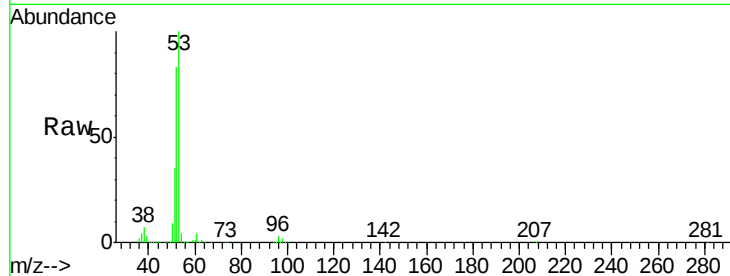
#15
 Acrylonitrile
 Concen: 262.831 ug/l
 RT: 3.11 min Scan# 332
 Delta R.T. -0.01 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	394218
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.7	98.5
51	36.0	28.4	42.6

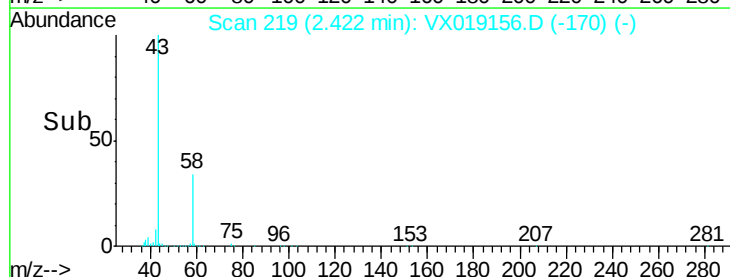
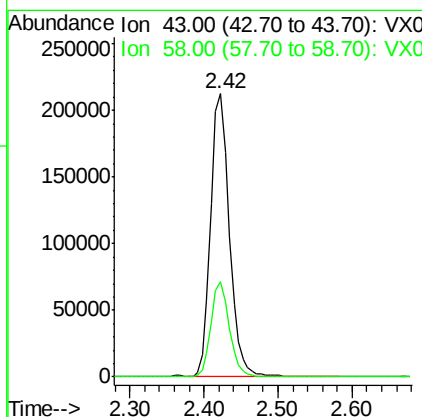
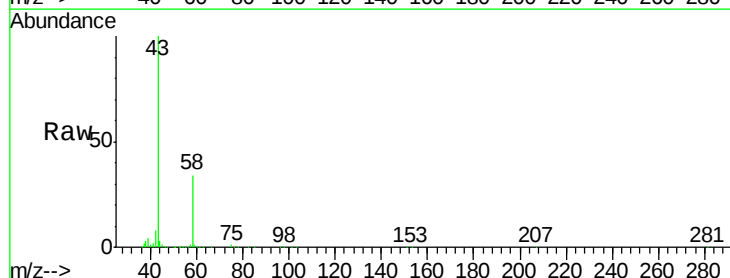
Manual Integrations
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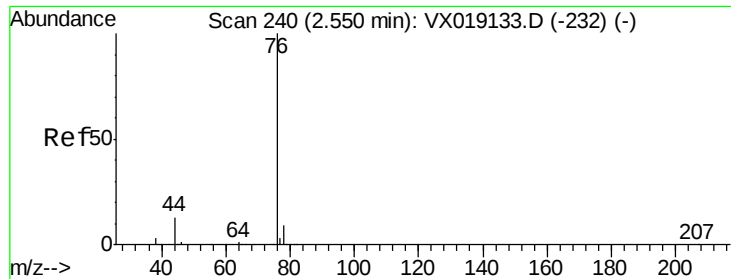
MMDadoda
 10/29/2020 9:45:29 AM



#16
 Acetone
 Concen: 294.647 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Tgt Ion:	43	Resp:	367334
Ion Ratio	Lower	Upper	
43	100		
58	33.7	26.3	39.5





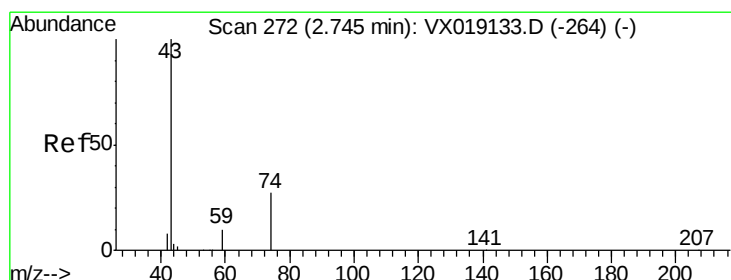
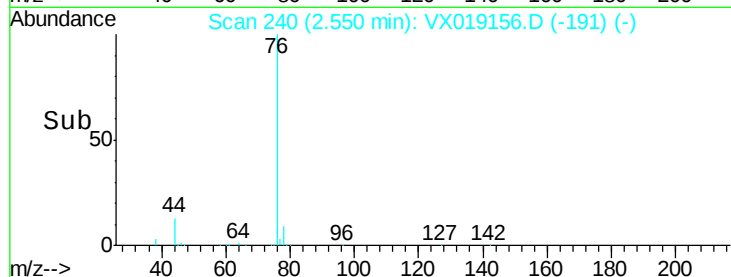
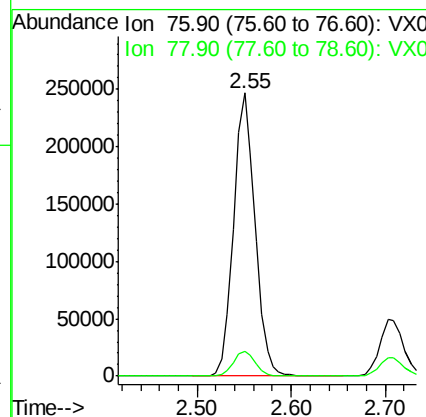
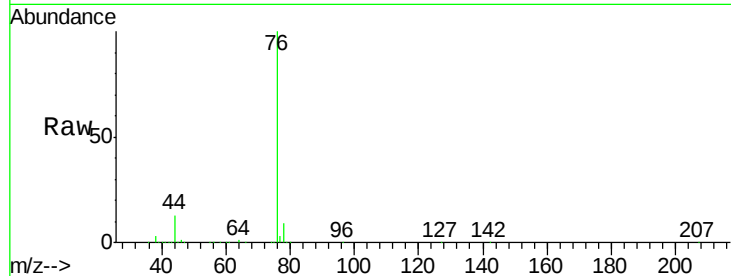
#17
Carbon Disulfide
Concen: 50.349 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

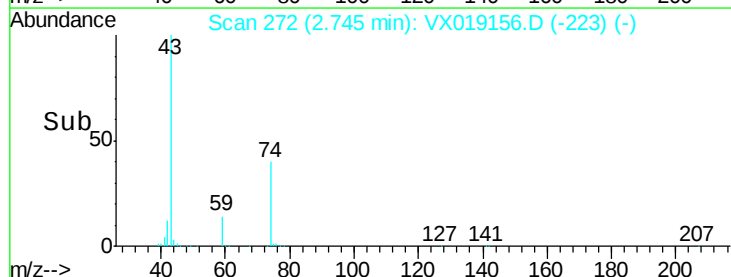
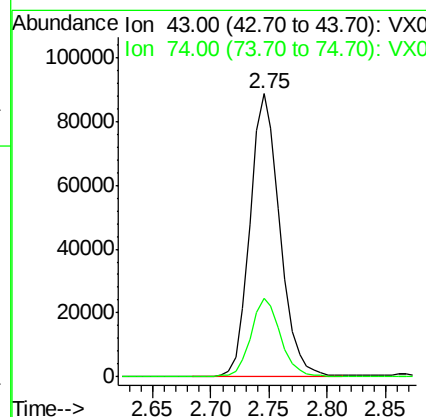
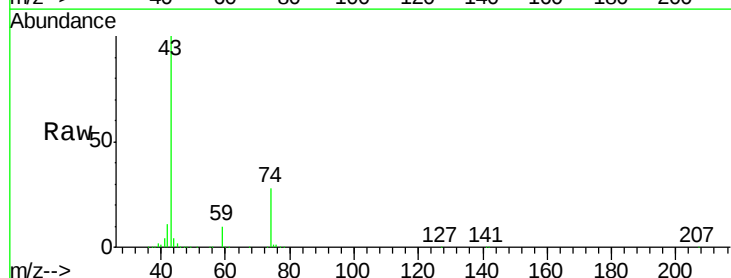
Manual Integrations
APPROVED

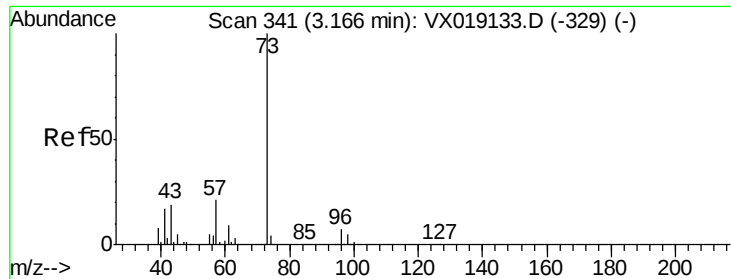
MMDadoda
10/29/2020 9:45:29 AM



#18
Methyl Acetate
Concen: 51.995 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.1	22.6	33.8





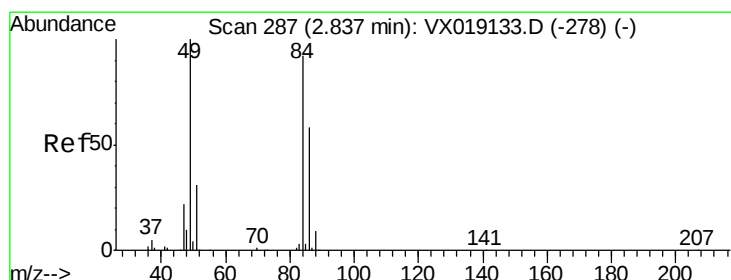
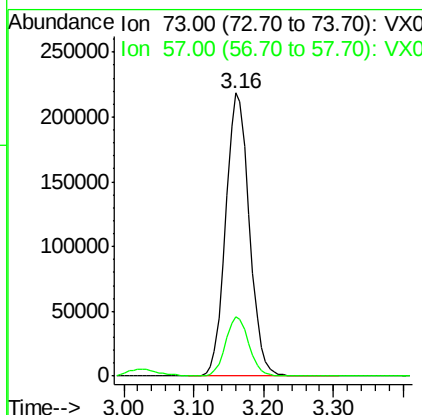
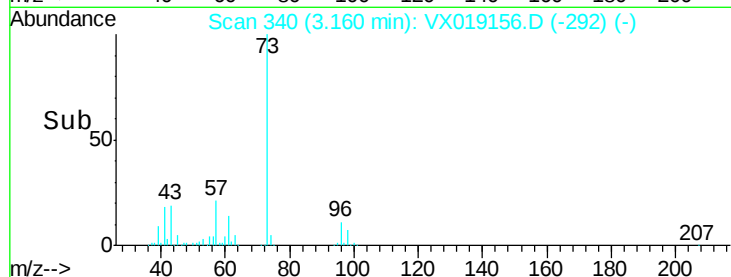
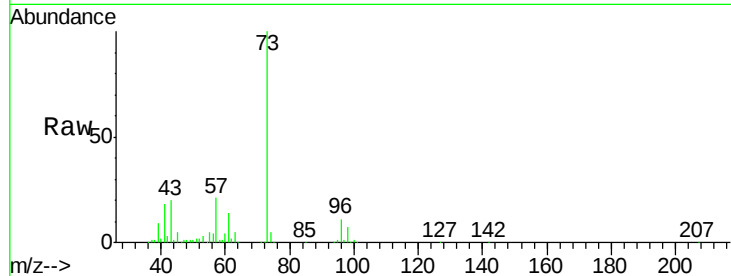
#19
Methvl tert-butvl Ether
Concen: 54.331 ug/l
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 511271
Ion Ratio Lower Upper
73 100
57 21.1 16.6 25.0

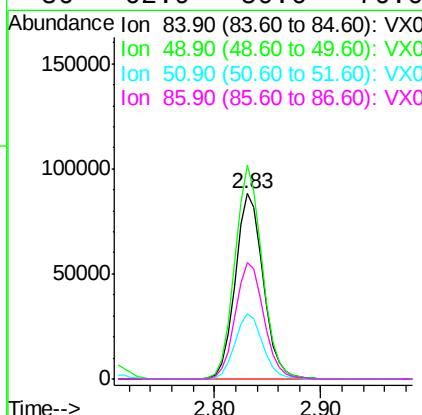
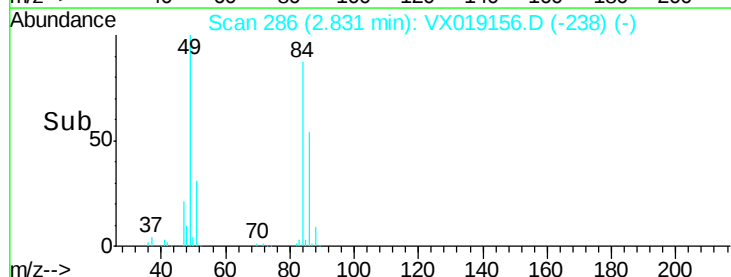
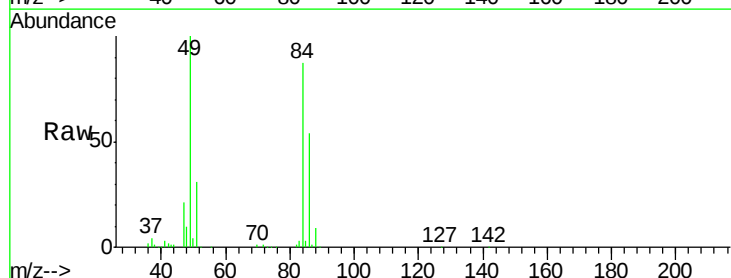
Manual Integrations
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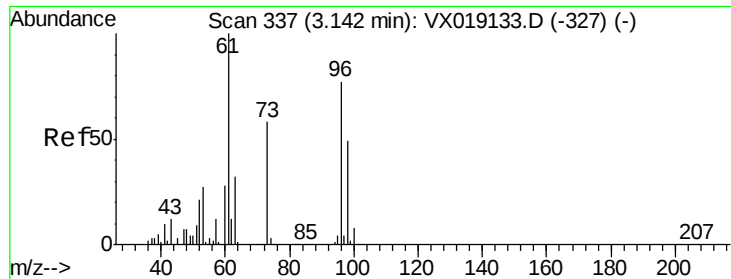
MMDadoda
10/29/2020 9:45:29 AM



#20
Methylene Chloride
Concen: 51.744 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion: 84 Resp: 161952
Ion Ratio Lower Upper
84 100
49 115.4 86.8 130.2
51 35.5 27.3 40.9
86 62.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 51.347 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 160499

Ion Ratio Lower Upper

96 100

61 133.4 104.2 156.4

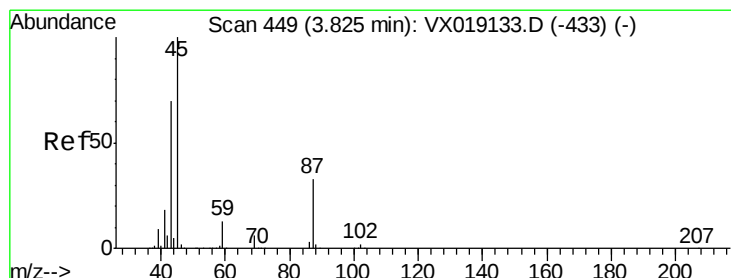
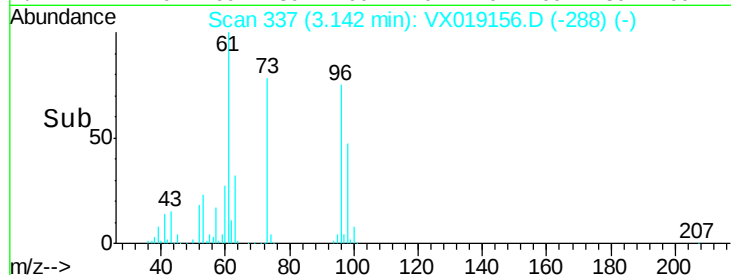
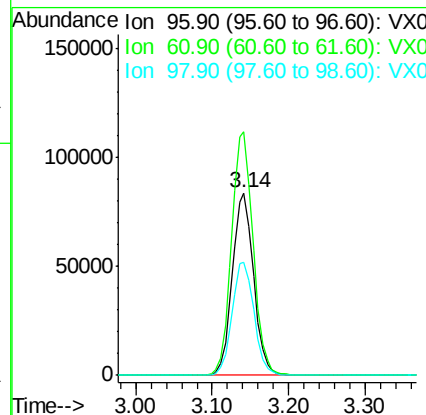
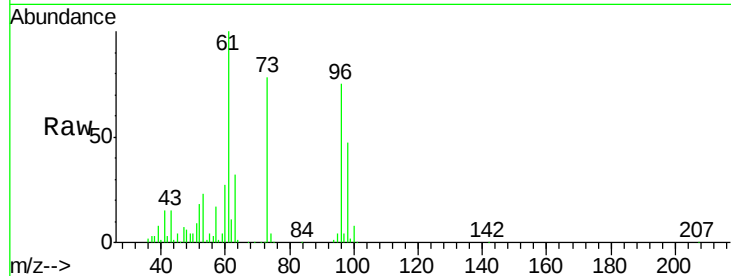
98 62.1 51.3 76.9

Manual Integrations

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#22

Diisopropyl ether

Concen: 56.113 ug/l

RT: 3.82 min Scan# 448

Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Tgt Ion: 45 Resp: 460184

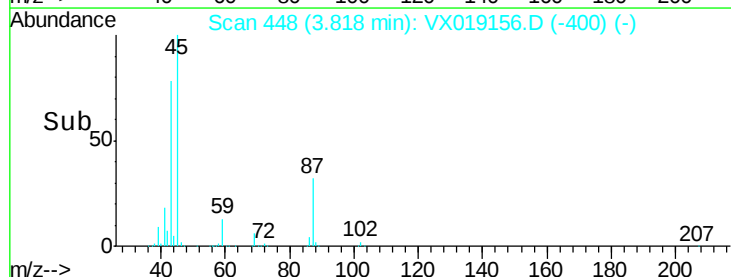
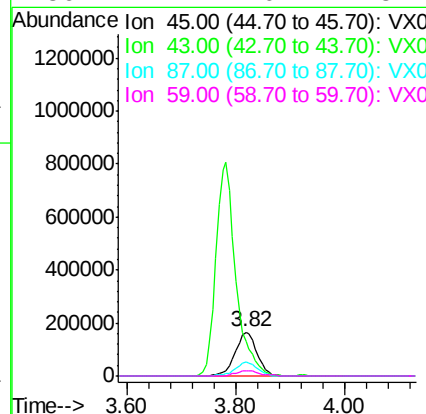
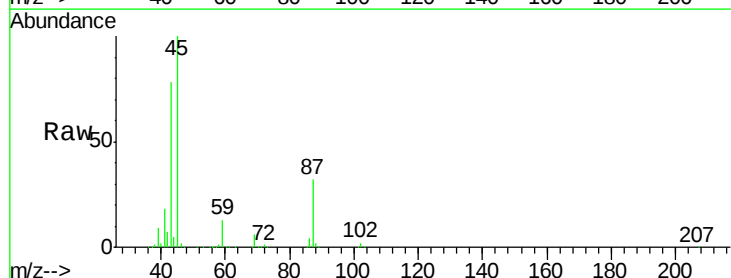
Ion Ratio Lower Upper

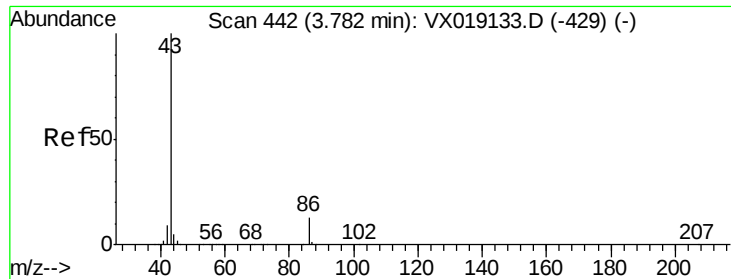
45 100

43 77.8 56.2 84.4

87 32.4 26.2 39.2

59 12.7 10.1 15.1





#23

Vinyl Acetate

Concen: 279.237 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2042170

Ion Ratio Lower Upper

43 100

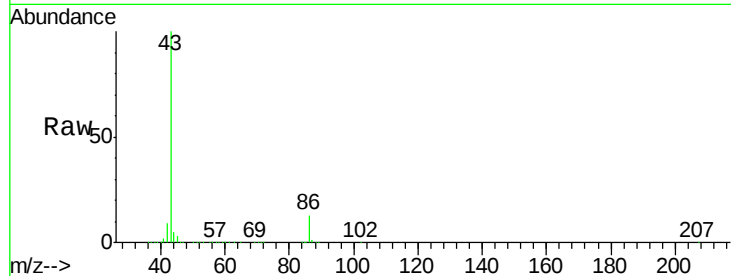
86 12.6 10.4 15.6

Manual Integrations

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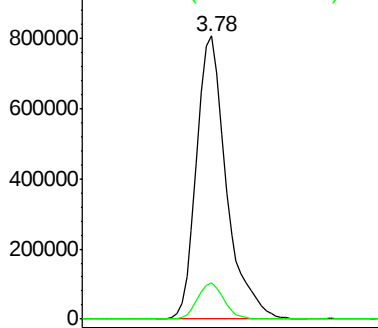
MMDadoda

10/29/2020 9:45:29 AM

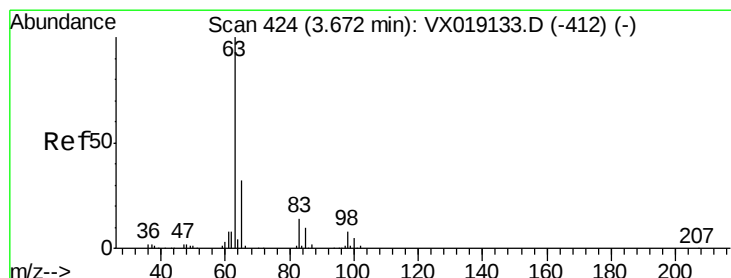
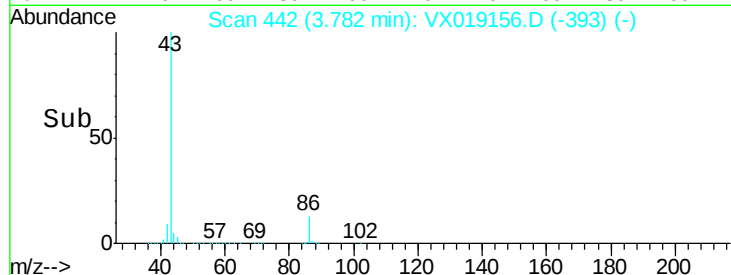


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 54.372 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

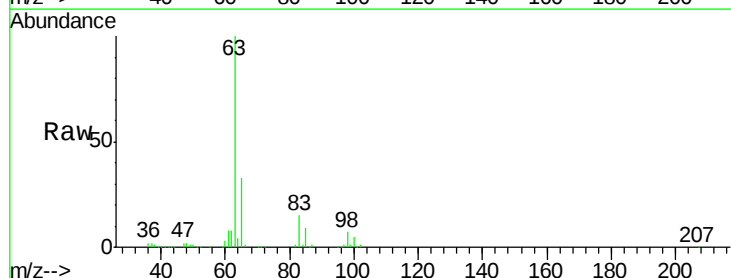
Tgt Ion: 63 Resp: 278411

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

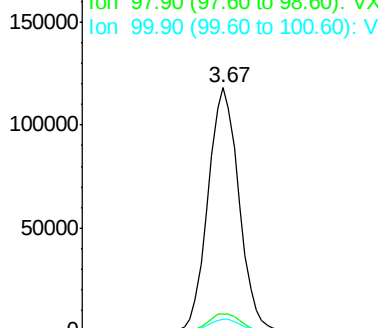
100 4.7 2.4 7.2



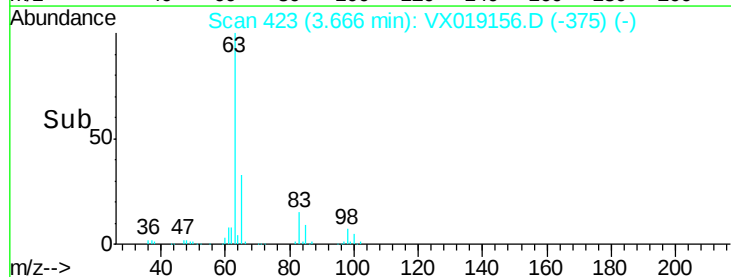
Abundance Ion 62.90 (62.60 to 63.60): VX0

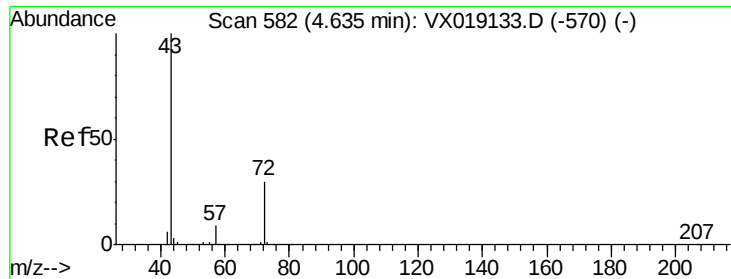
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





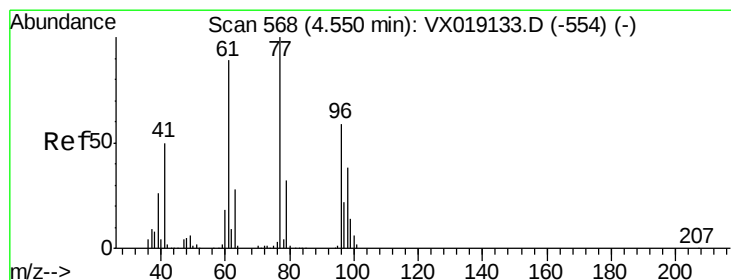
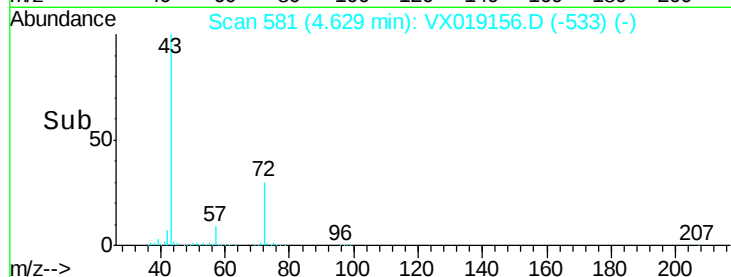
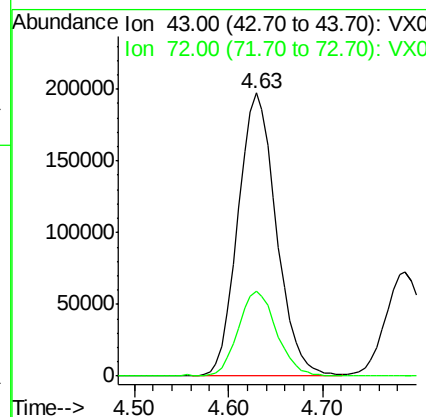
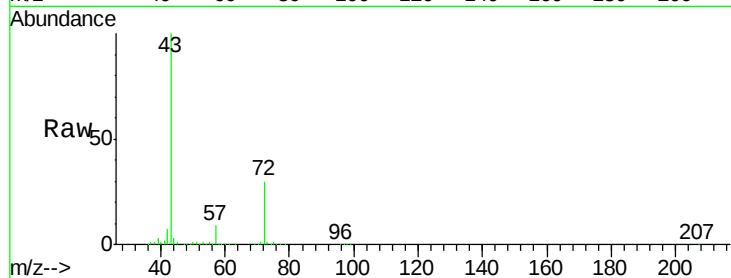
#25
2-Butanone
Concen: 284.496 ug/l
RT: 4.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 558974
Ion Ratio Lower Upper
43 100
72 30.0 24.6 36.8

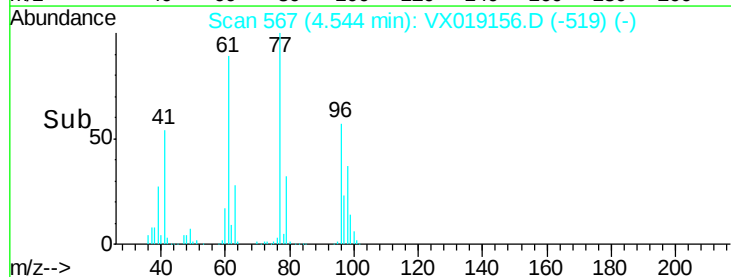
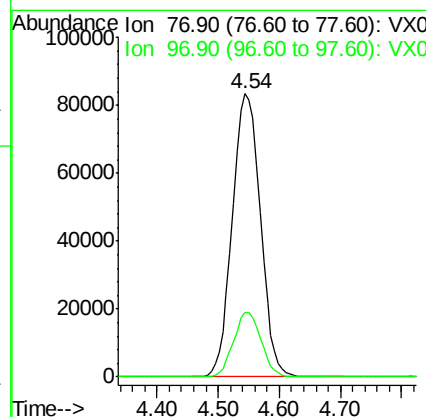
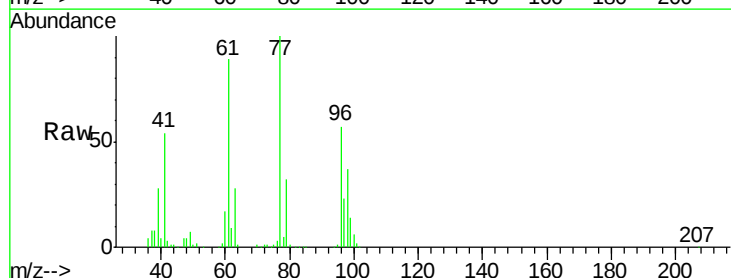
Manual Integrations
APPROVED

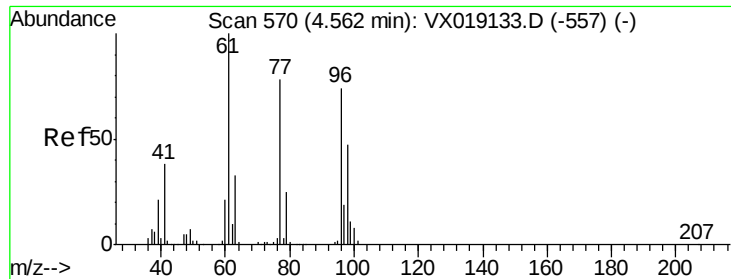
MMDadoda
10/29/2020 9:45:29 AM



#26
2,2-Dichloropropane
Concen: 54.843 ug/l
RT: 4.54 min Scan# 567
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion: 77 Resp: 263999
Ion Ratio Lower Upper
77 100
97 22.3 11.4 34.1





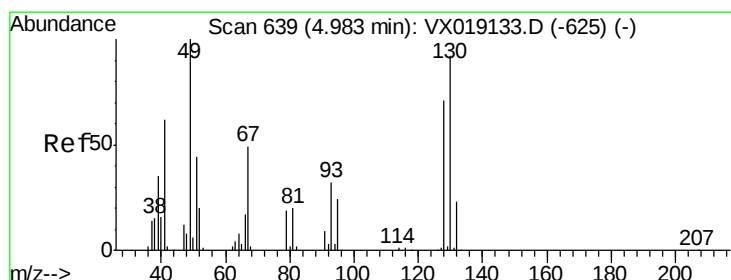
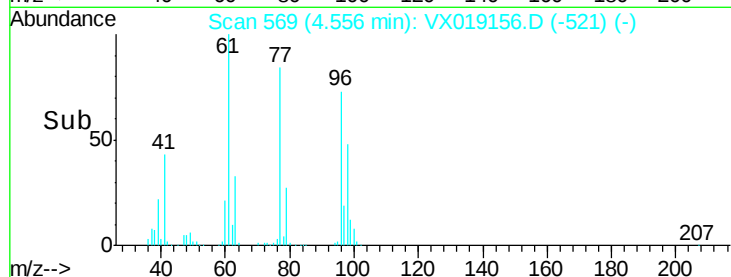
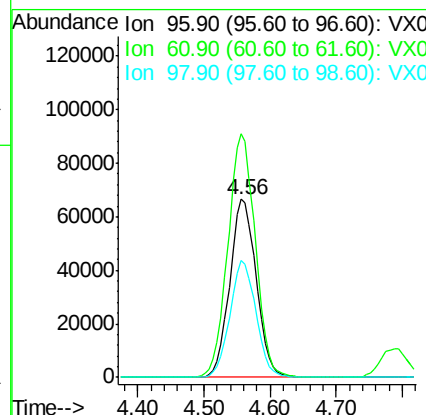
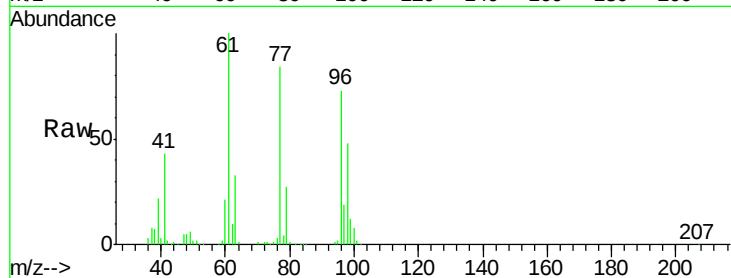
#27
 cis-1,2-Dichloroethene
 Concen: 52.797 ug/l
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	184414		
61	141.9	0.0	278.8	
98	64.6	0.0	130.2	

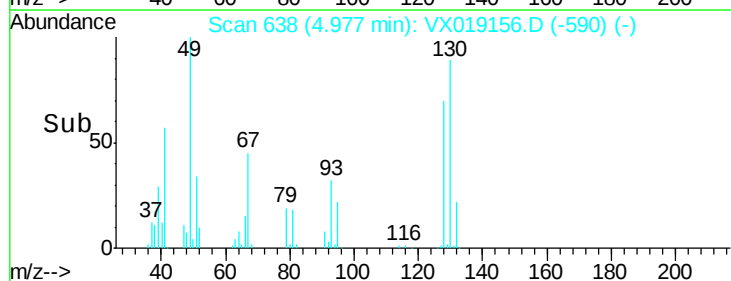
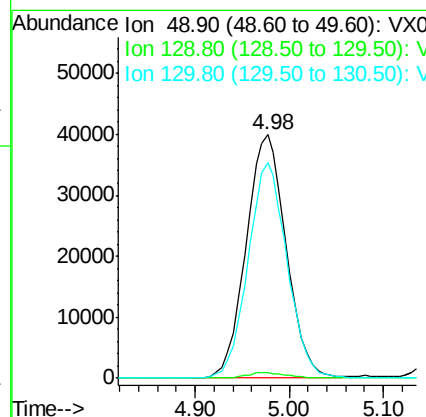
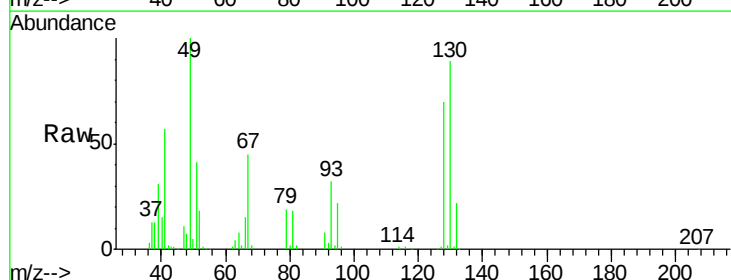
Manual Integrations
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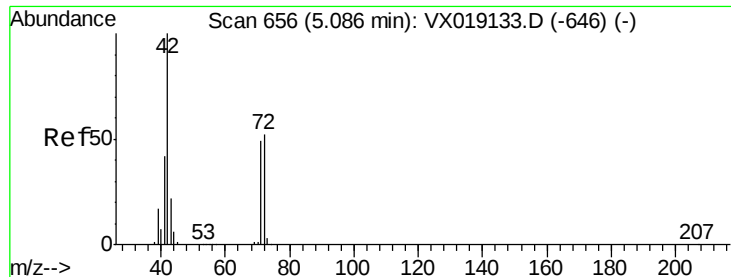
MMDadoda
 10/29/2020 9:45:29 AM



#28
 Bromochloromethane
 Concen: 51.018 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118761		
129	2.2	0.0	4.4	
130	86.6	71.3	106.9	





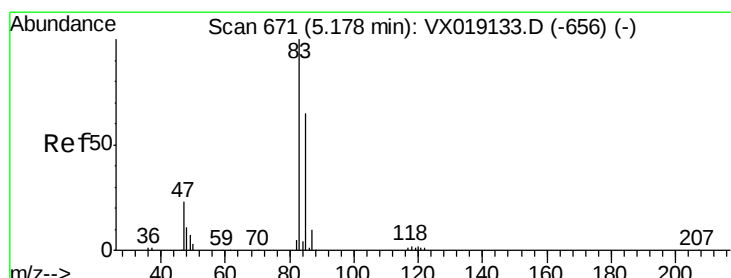
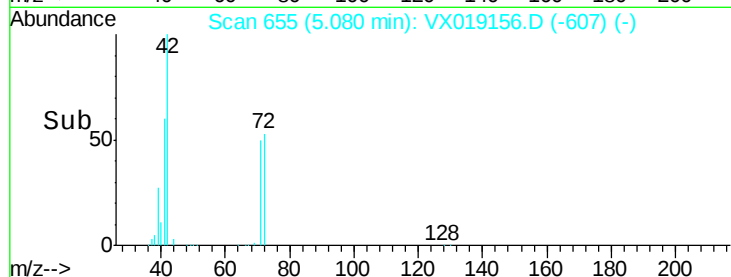
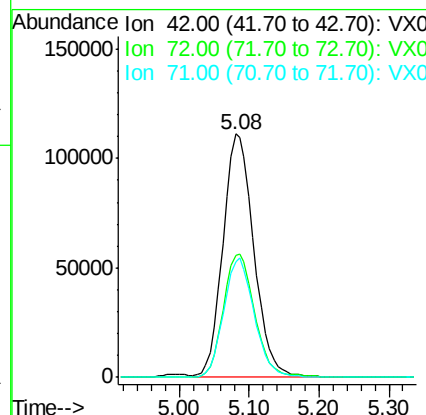
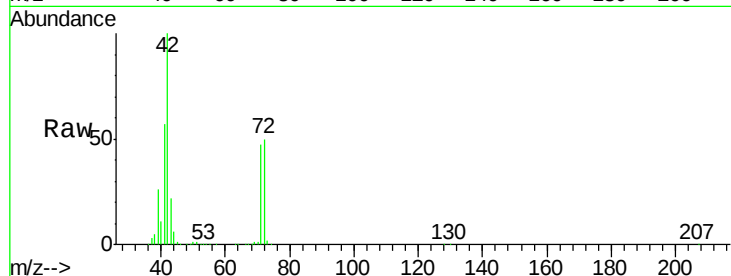
#29
Tetrahydrofuran
Concen: 274.091 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.1	42.6	63.8
71	48.6	39.7	59.5

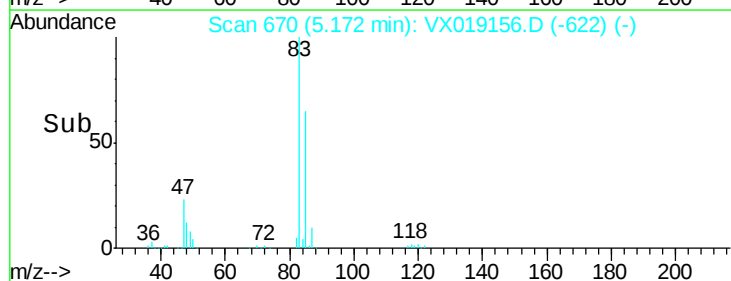
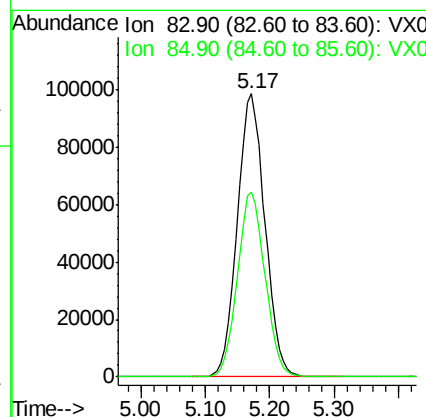
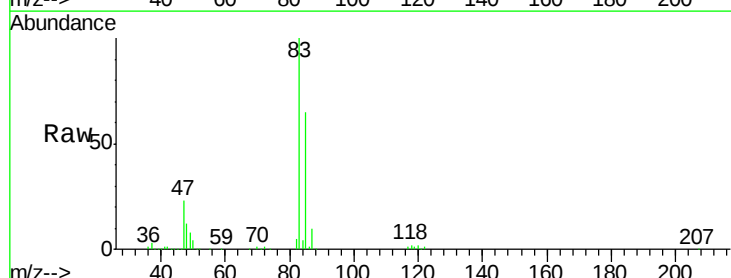
Manual Integrations
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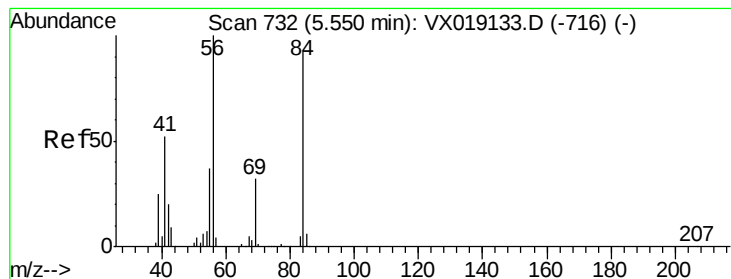
MMDadoda
10/29/2020 9:45:29 AM



#30
Chloroform
Concen: 54.016 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.9	77.9





#31

Cyclohexane

Concen: 53.804 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

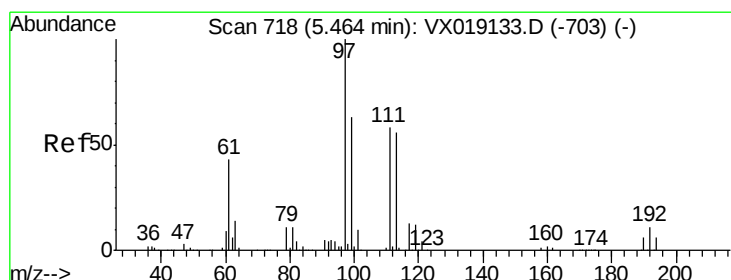
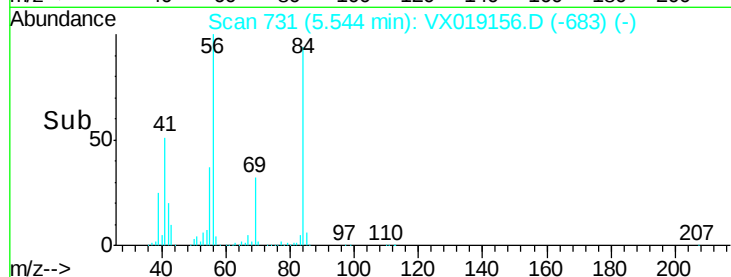
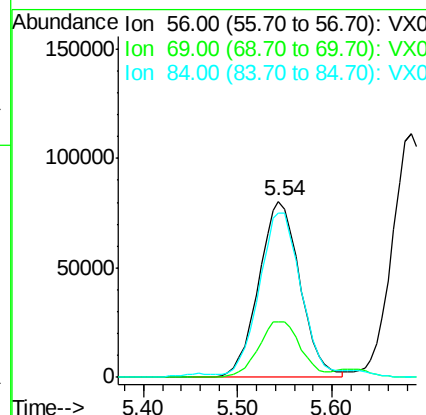
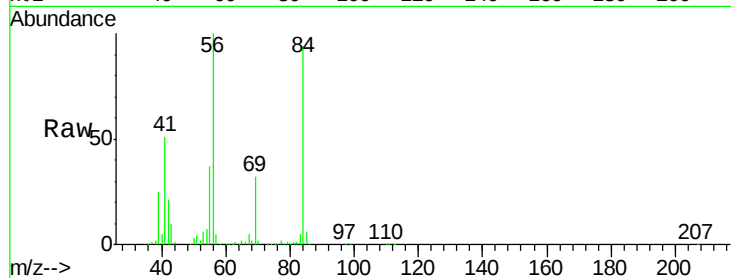
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	245779
Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.9	38.9
84	91.6	73.4	110.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.657 ug/l

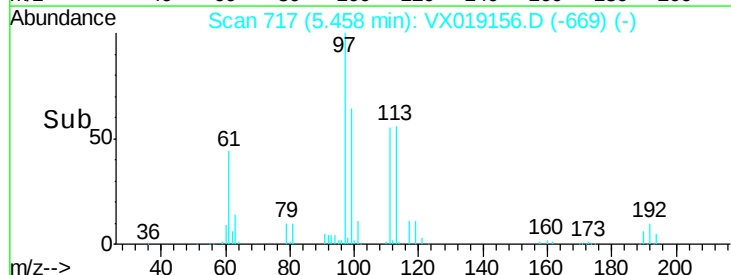
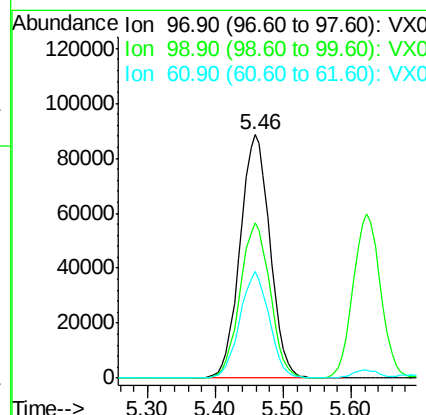
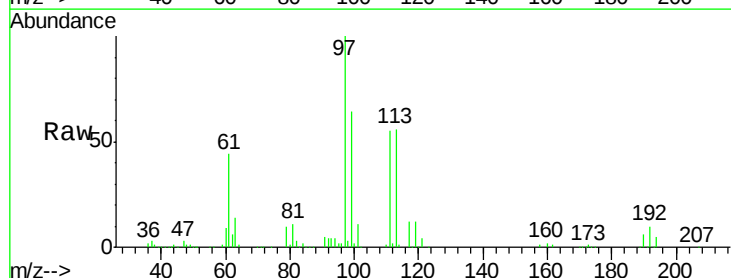
RT: 5.46 min Scan# 717

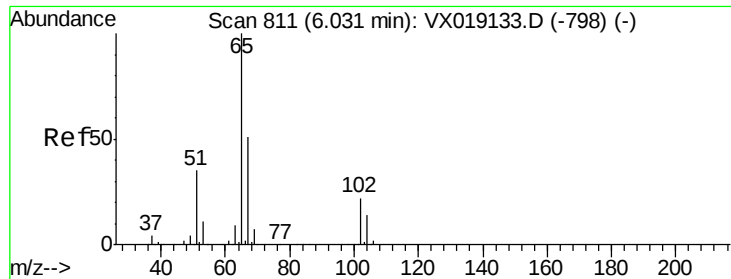
Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Tgt Ion:	97	Resp:	270083
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	43.1	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 47.031 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 169958

Ion Ratio Lower Upper

65 100

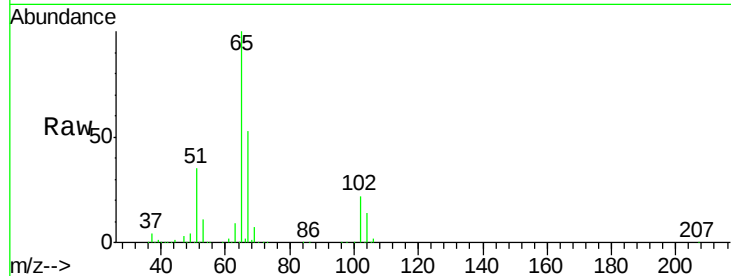
67 52.2 0.0 103.0

Manual Integrations

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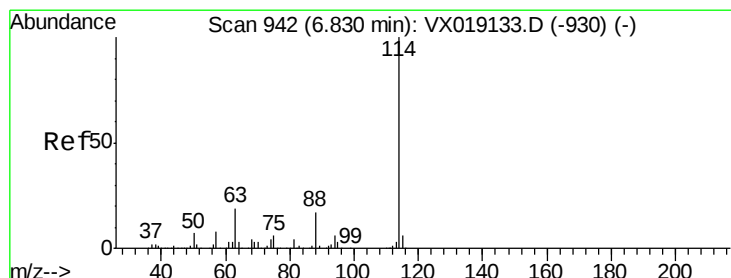
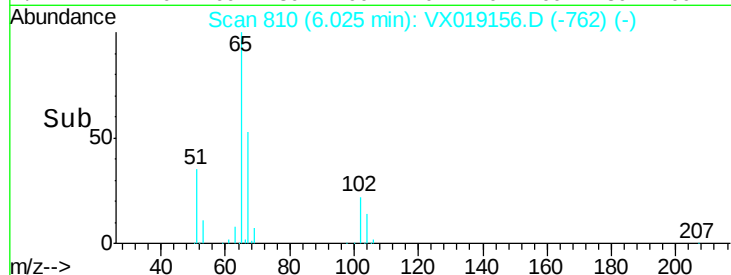
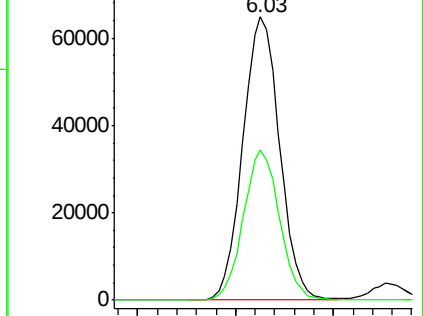
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

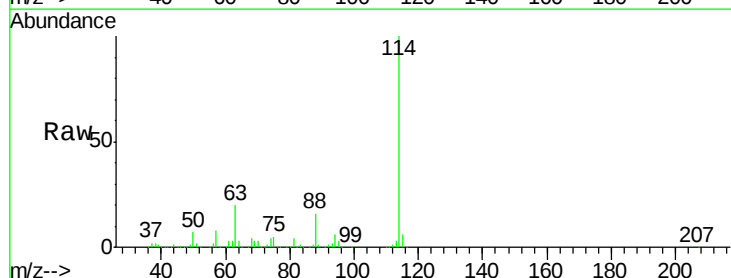
Tgt Ion: 114 Resp: 455839

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.8

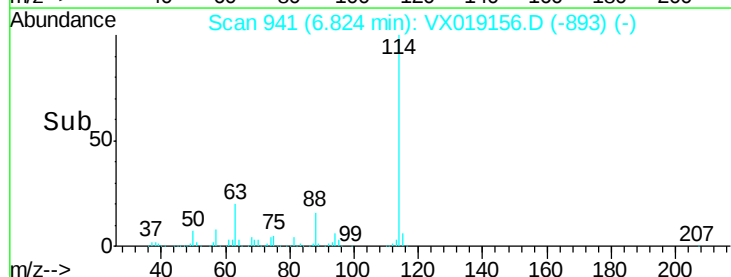
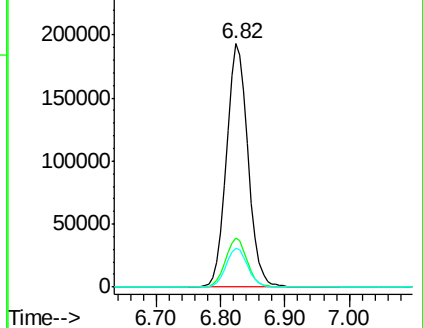
88 16.0 0.0 34.2

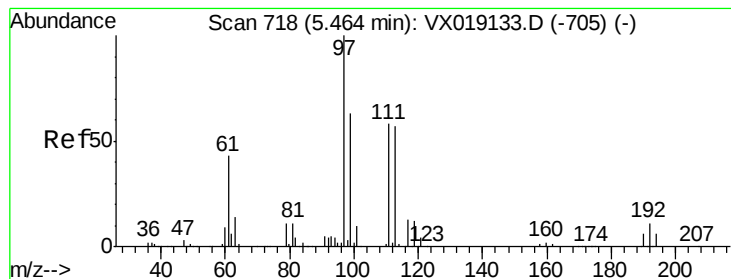


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.721 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

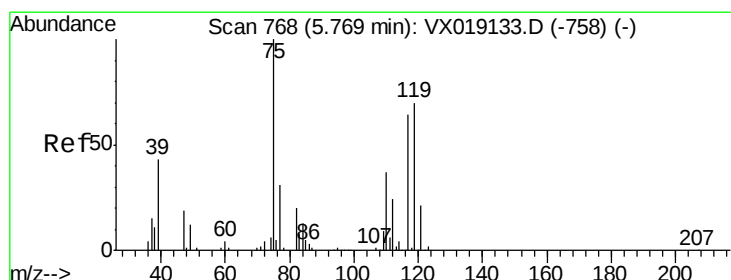
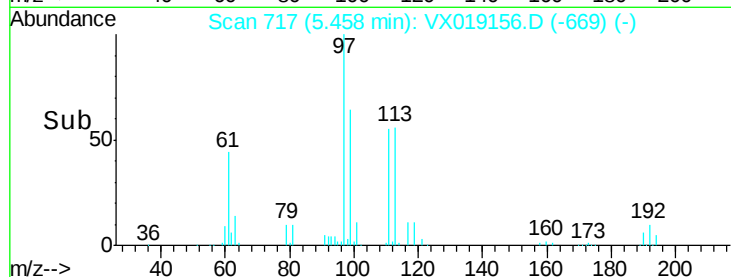
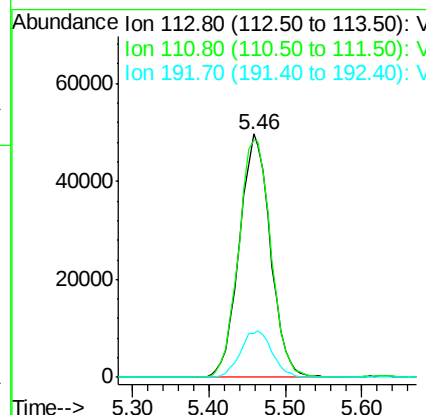
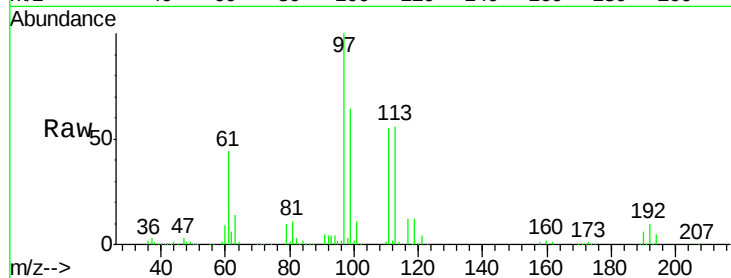
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	139503
Ion Ratio	Lower	Upper	
113	100		
111	101.7	82.3	123.5
192	19.6	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 53.505 ug/l

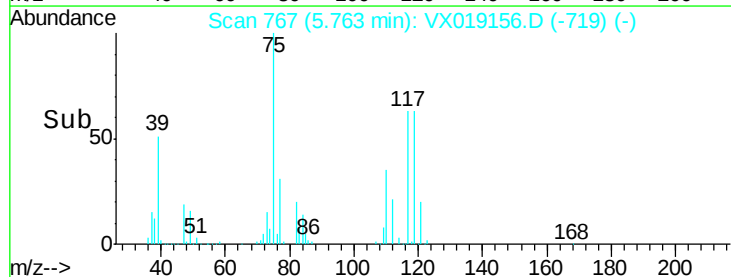
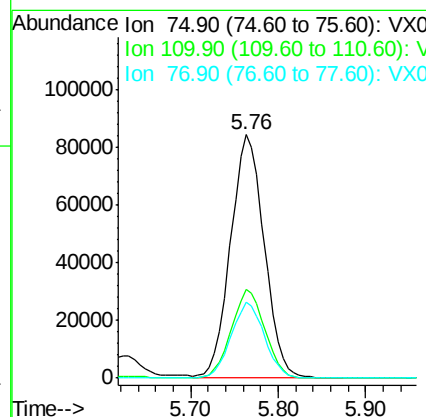
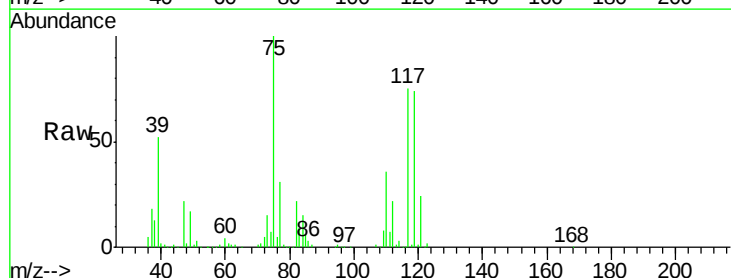
RT: 5.76 min Scan# 767

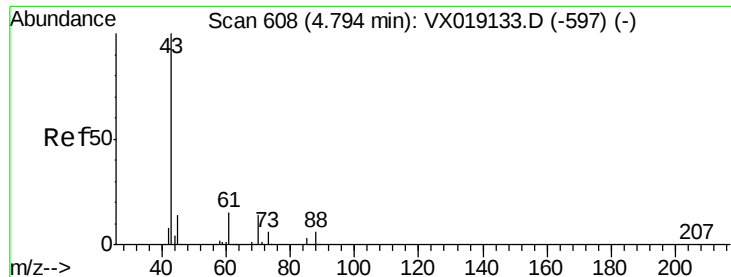
Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Tgt Ion:	75	Resp:	225219
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.3	54.9
77	30.8	24.9	37.3





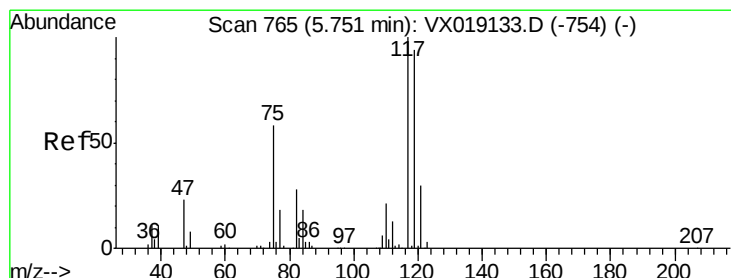
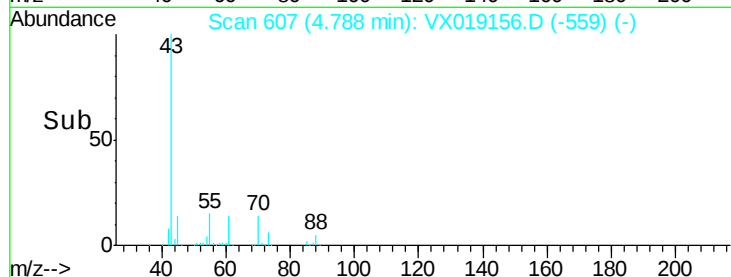
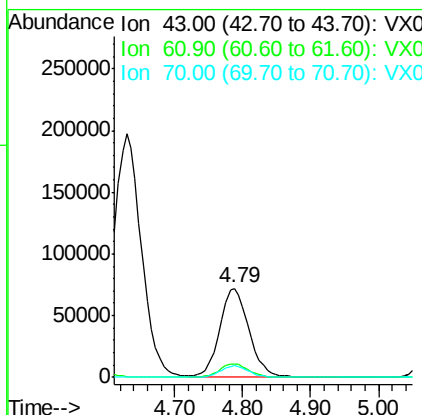
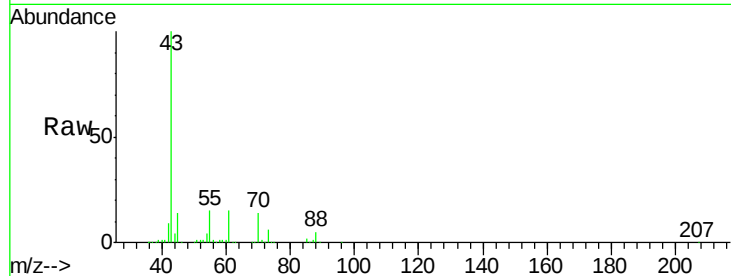
#37
Ethyl Acetate
Concen: 54.547 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.5	18.7
70	12.7	10.5	15.7

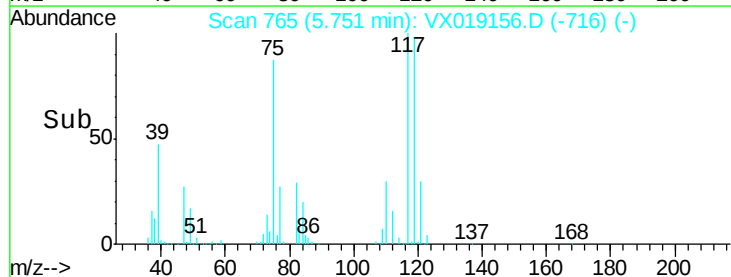
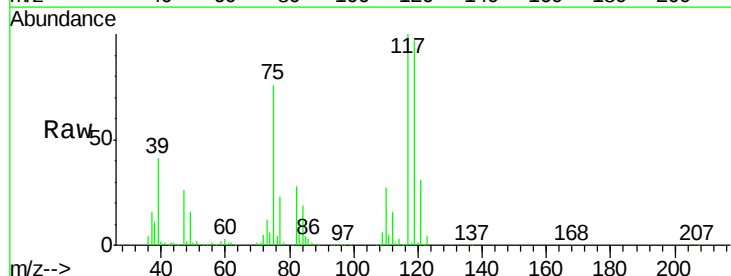
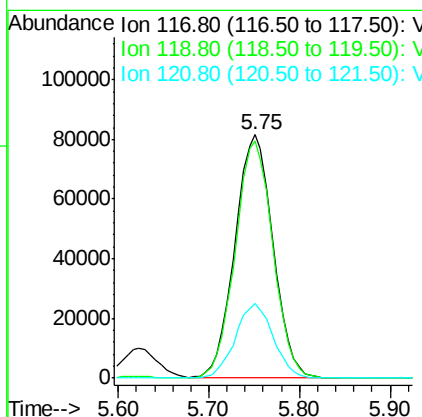
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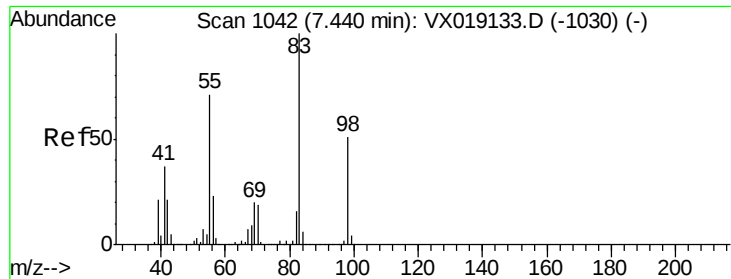
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10/29/2020 9:45:29 AM



#38
Carbon Tetrachloride
Concen: 55.230 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.0	112.6
121	30.6	23.9	35.9





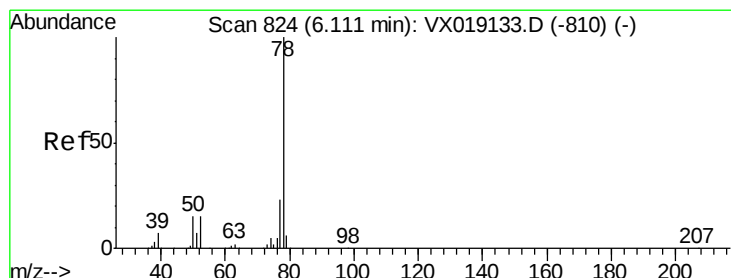
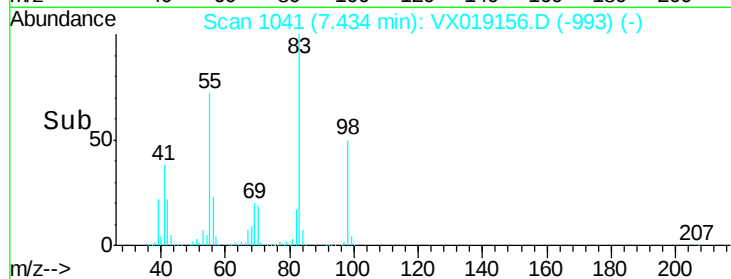
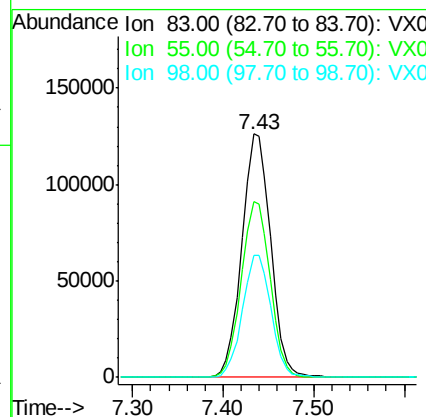
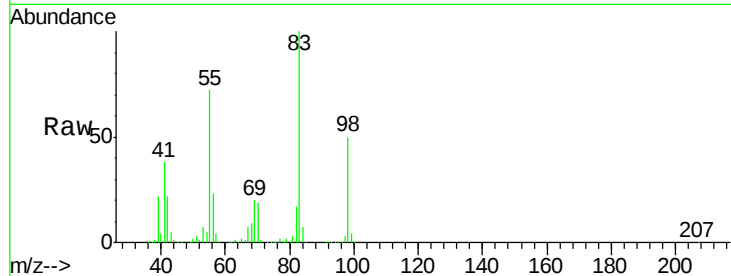
#39
Methvlcvclohexane
Concen: 55.336 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.9	57.0	85.6
98	50.0	40.5	60.7

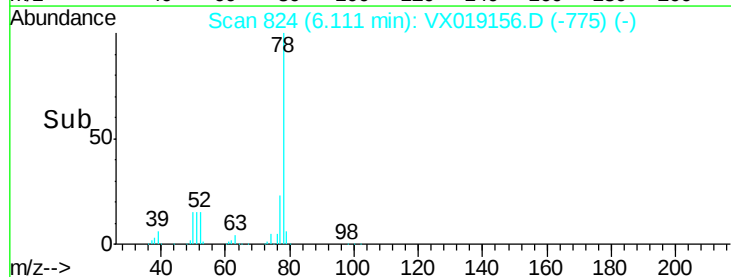
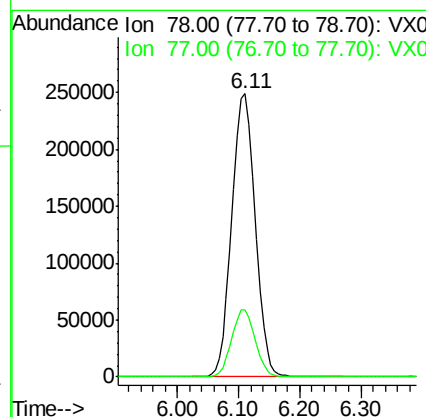
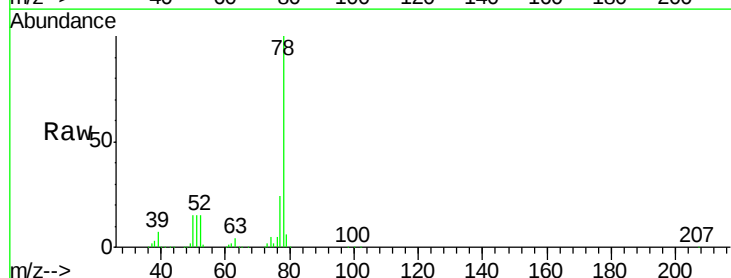
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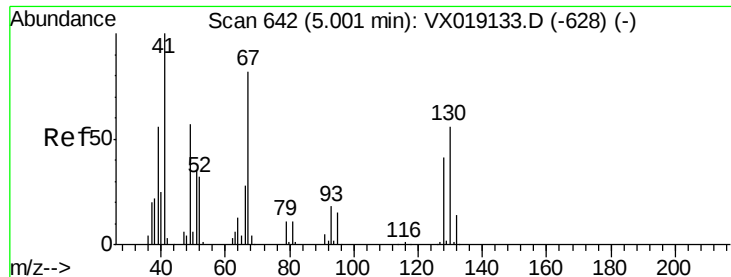
MMDadoda
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#40
Benzene
Concen: 55.000 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





#41

Methacrylonitrile

Concen: 53.672 ug/l

RT: 4.99 min Scan# 641

Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 112965

Ion Ratio Lower Upper

41 100

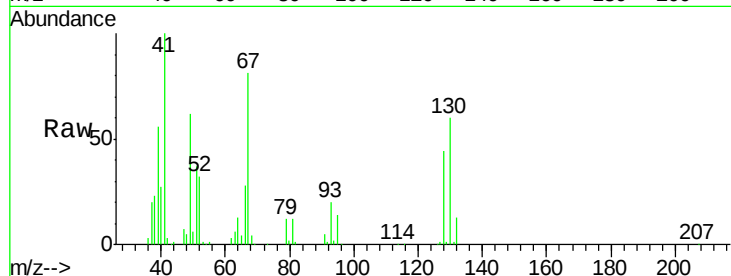
39 55.0 44.4 66.6

67 83.3 66.4 99.6

52 32.4 26.2 39.4

Manual Integrations
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10/29/2020 9:45:29 AM

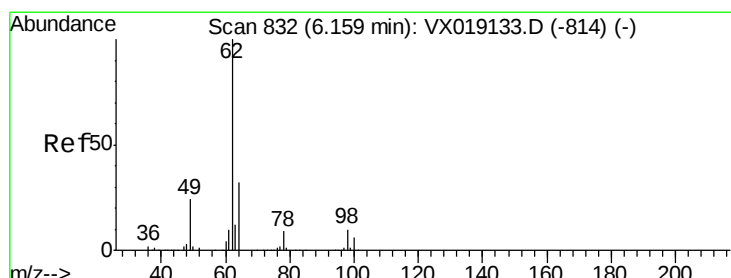
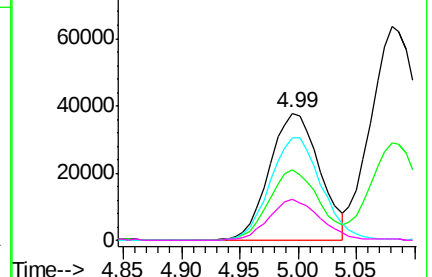
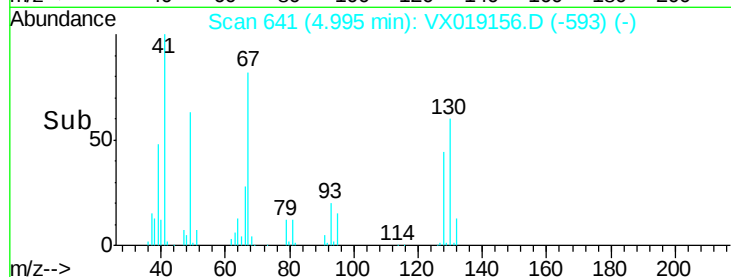


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 54.327 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX019156.D

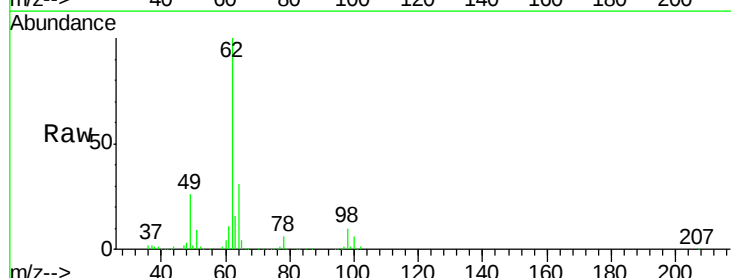
Acq: 28 Oct 2020 11:07

Tgt Ion: 62 Resp: 238959

Ion Ratio Lower Upper

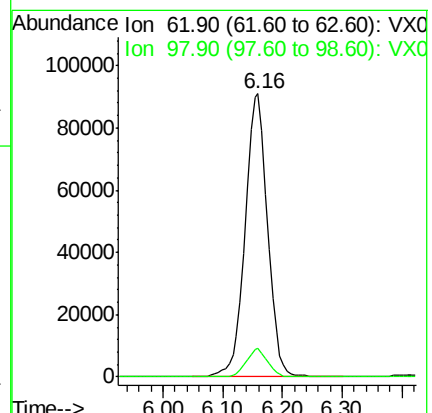
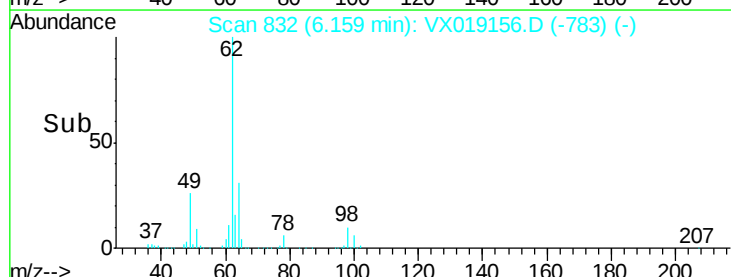
62 100

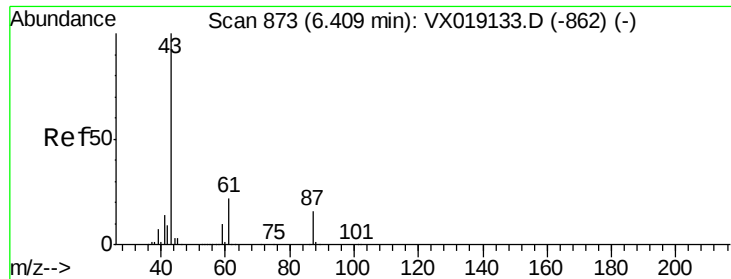
98 9.6 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





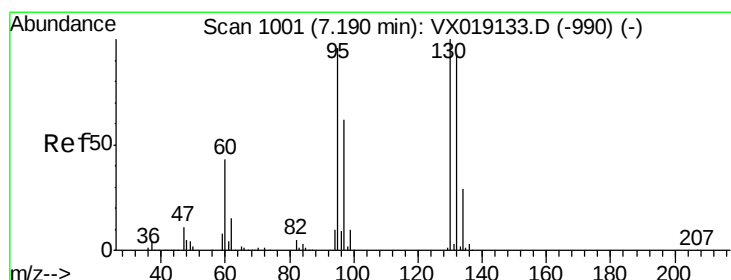
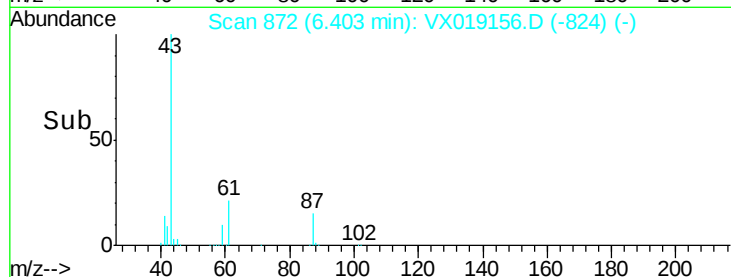
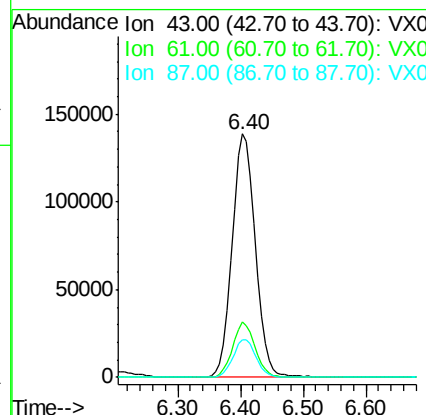
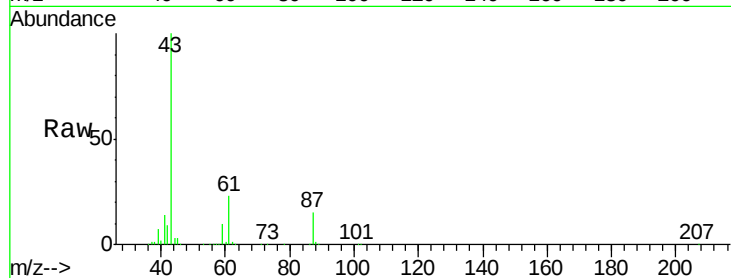
#43
Isopropyl Acetate
Concen: 54.185 ug/l
RT: 6.40 min Scan# 872
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.1	17.8	26.6
87	15.5	12.6	19.0

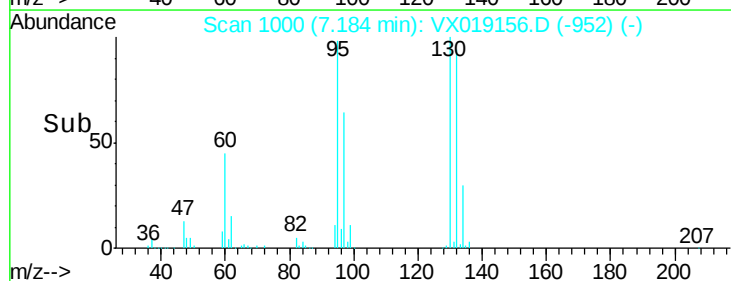
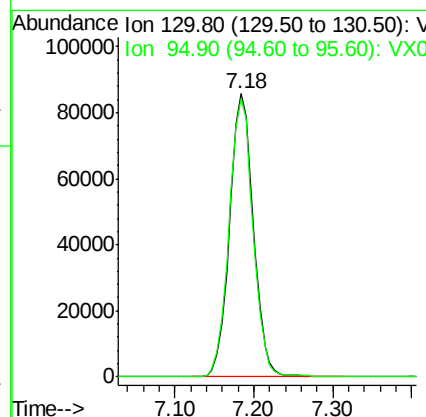
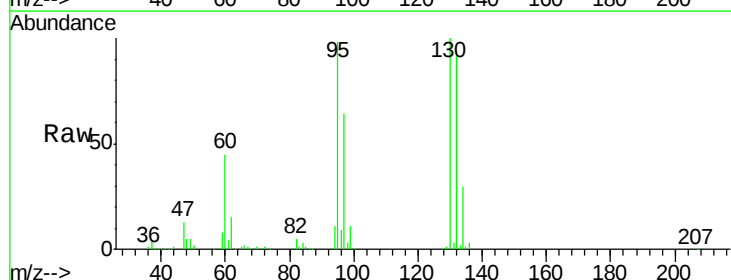
Manual Integrations
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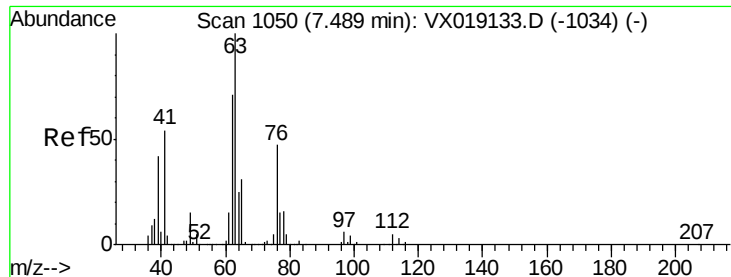
MMDadoda
10/29/2020 9:45:29 AM



#44
Trichloroethene
Concen: 52.607 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	192.0





#45

1,2-Dichloropropane

Concen: 55.976 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 163631

Ion Ratio Lower Upper

63 100

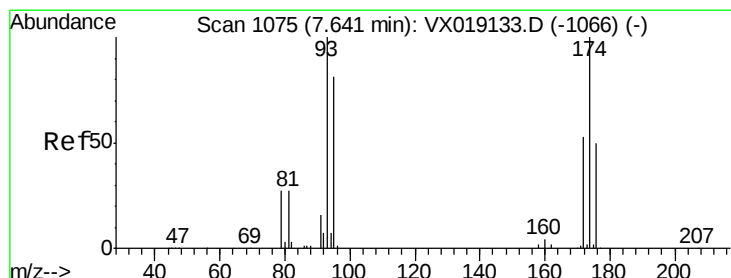
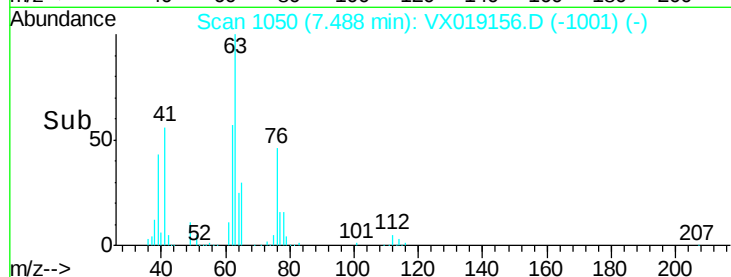
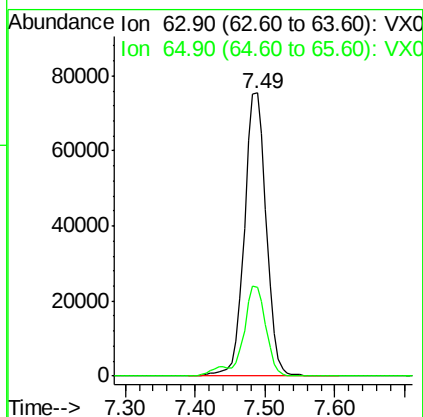
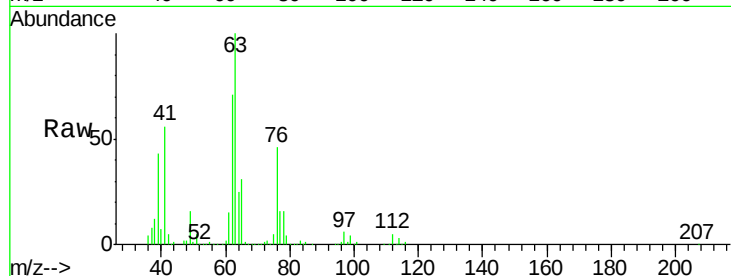
65 31.4 25.2 37.8

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#46

Dibromomethane

Concen: 53.126 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

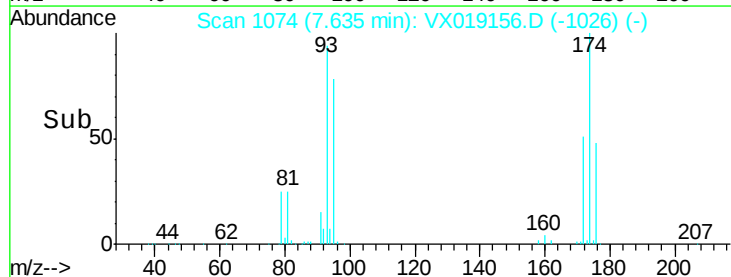
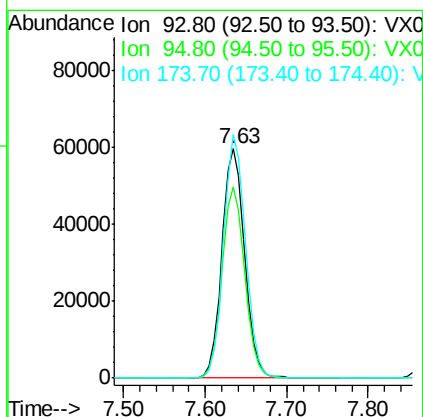
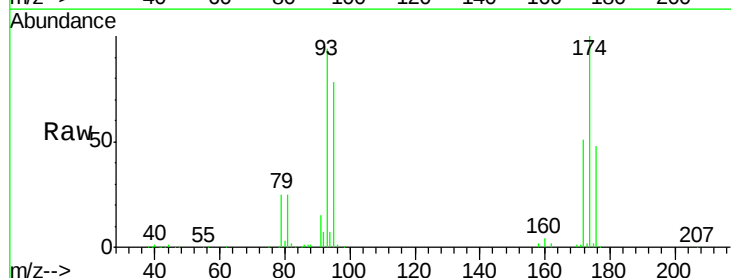
Tgt Ion: 93 Resp: 114839

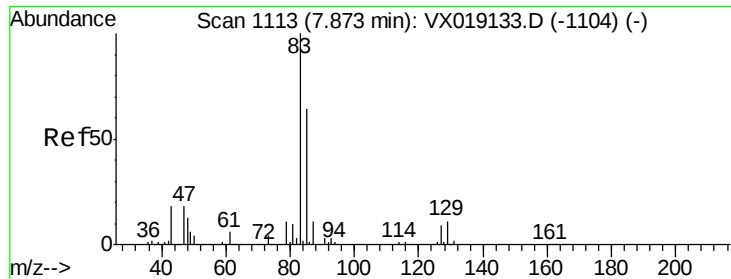
Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.6

174 103.1 81.7 122.5





#47

Bromodichloromethane

Concen: 55.406 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

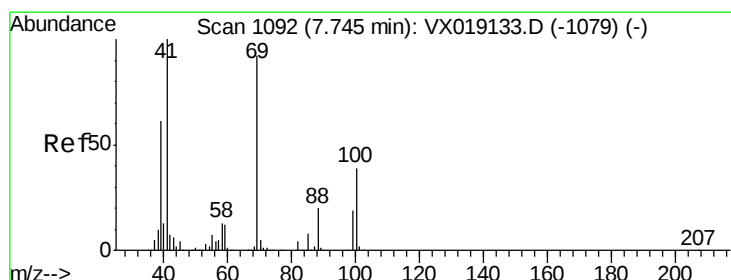
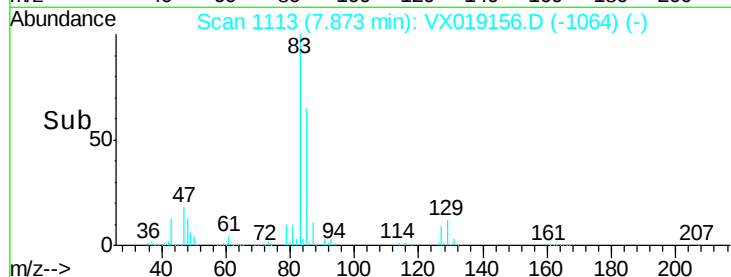
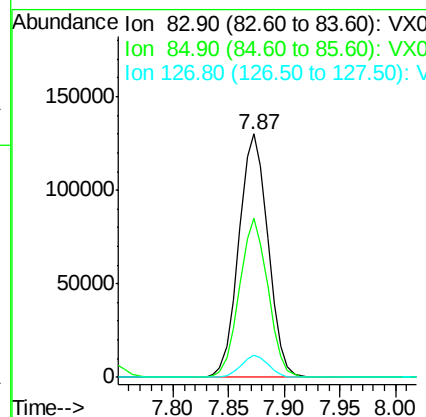
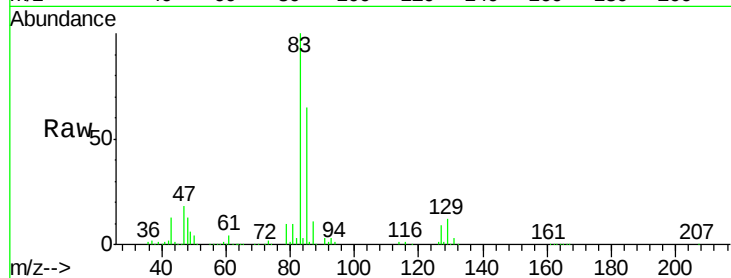
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	236069
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.2	76.8
127	9.0	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.644 ug/l

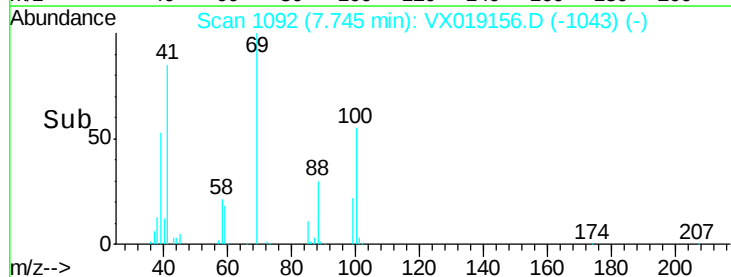
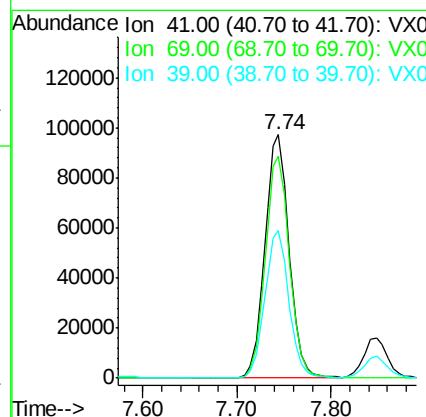
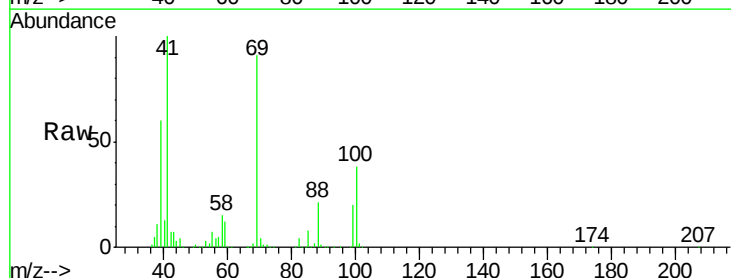
RT: 7.74 min Scan# 1092

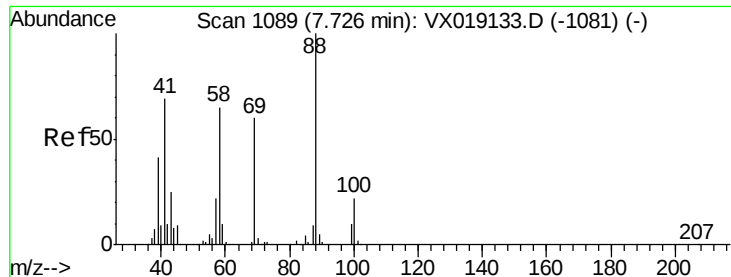
Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Tgt Ion:	41	Resp:	175265
Ion Ratio	Lower	Upper	
41	100		
69	91.7	75.5	113.3
39	60.2	48.9	73.3





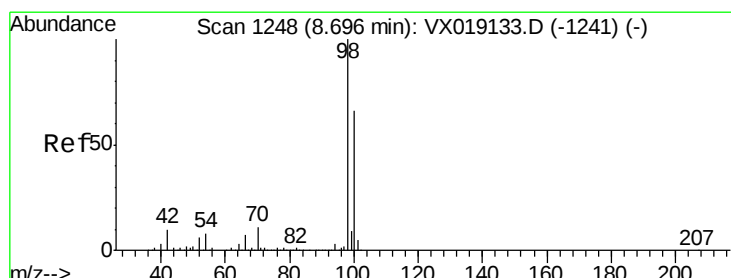
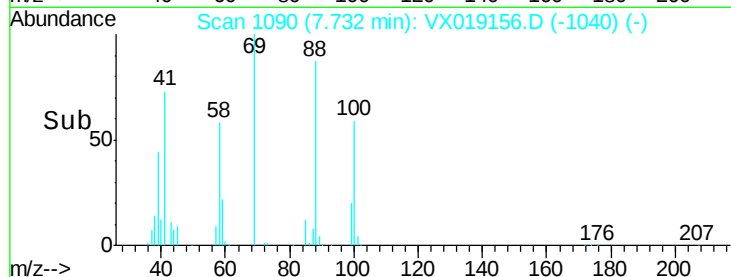
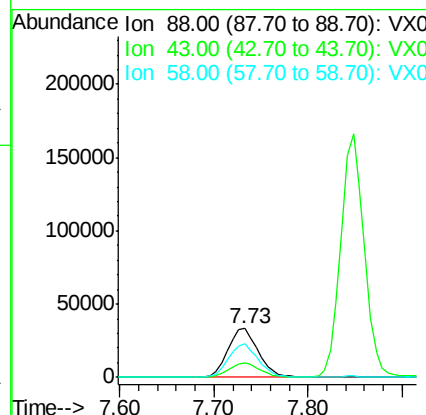
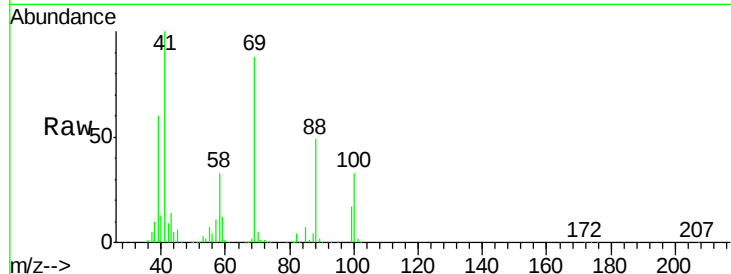
#49
1,4-Dioxane
Concen: 1069.332 ug/l
RT: 7.73 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	23.0	34.6
58	67.4	52.2	78.2

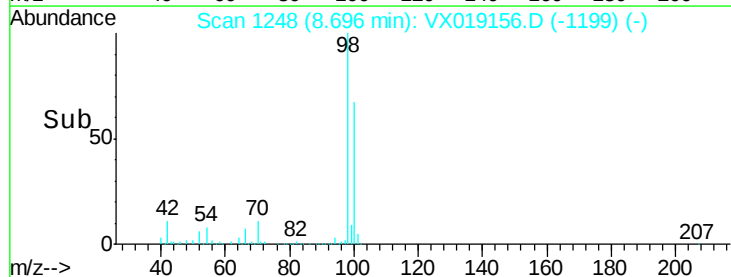
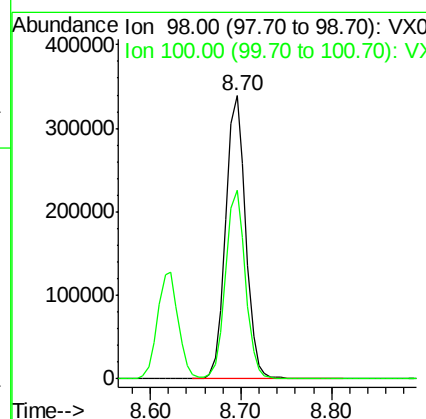
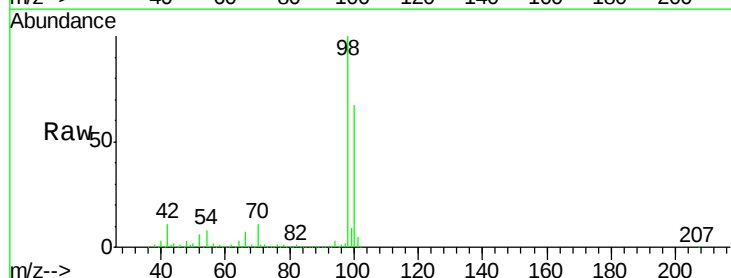
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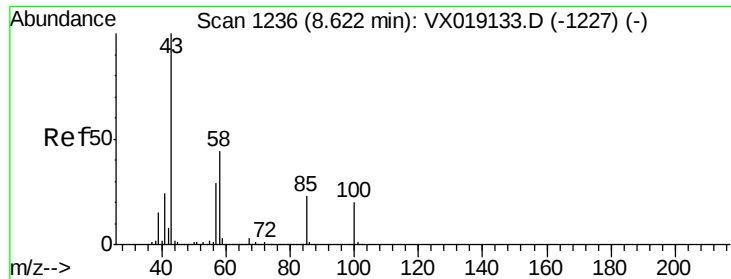
MMDadoda
10/29/2020 9:45:29 AM



#50
Toluene-d8
Concen: 48.357 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 279.797 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1052374

Ion Ratio Lower Upper

43 100

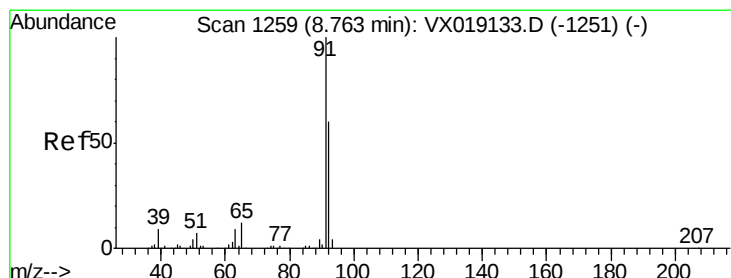
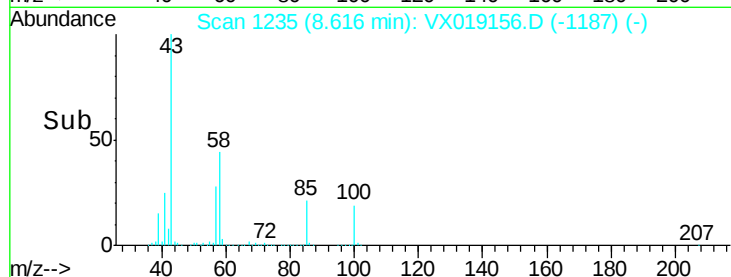
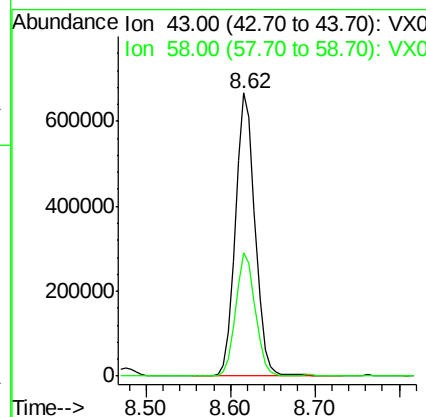
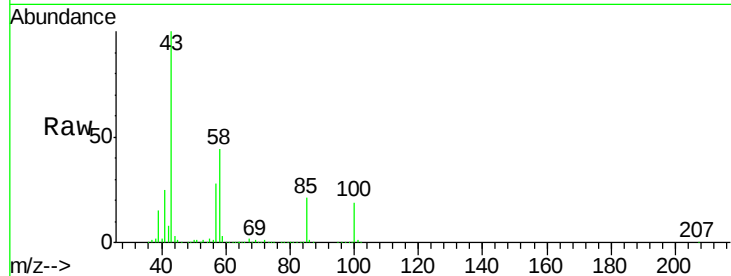
58 43.5 35.0 52.4

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#52

Toluene

Concen: 55.214 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019156.D

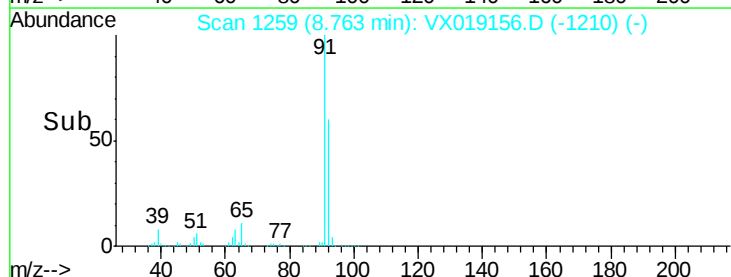
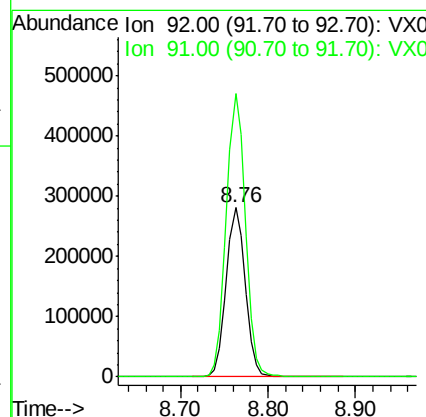
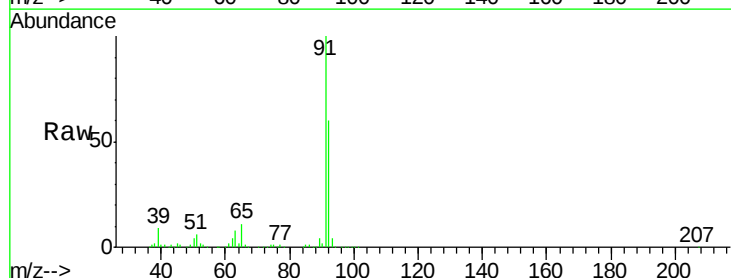
Acq: 28 Oct 2020 11:07

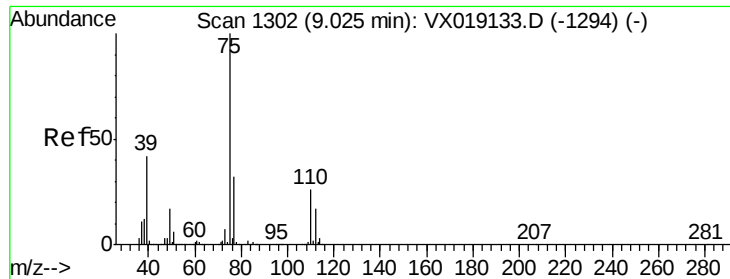
Tgt Ion: 92 Resp: 424414

Ion Ratio Lower Upper

92 100

91 168.4 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 54.782 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 266598

Ion Ratio Lower Upper

75 100

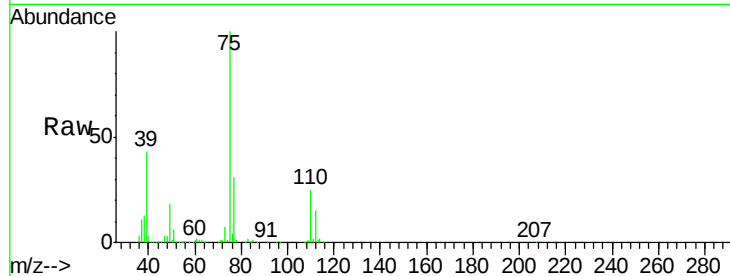
77 31.0 25.4 38.0

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

200000

150000

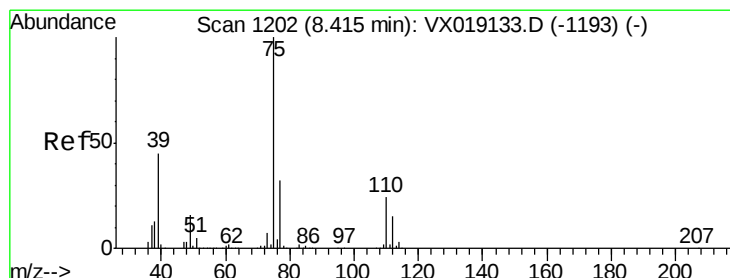
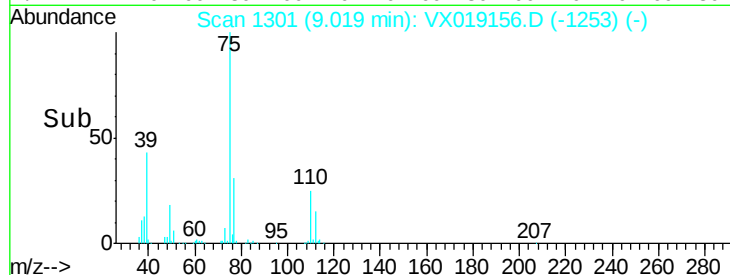
100000

50000

0

9.00 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.819 ug/l

RT: 8.41 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

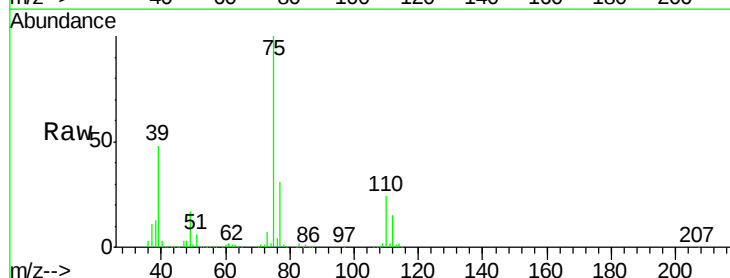
Tgt Ion: 75 Resp: 280532

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

39 47.6 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.41

200000

150000

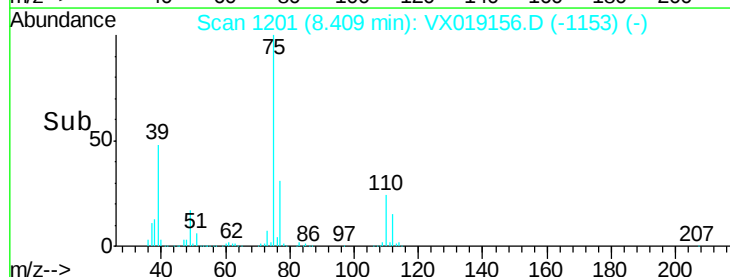
100000

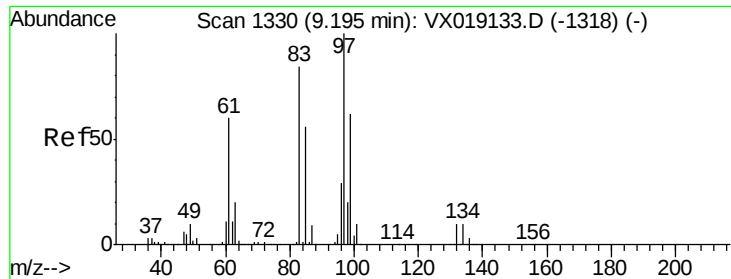
50000

0

8.30 8.40 8.50

Time-->





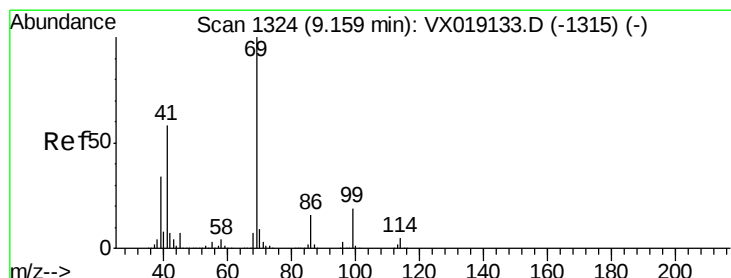
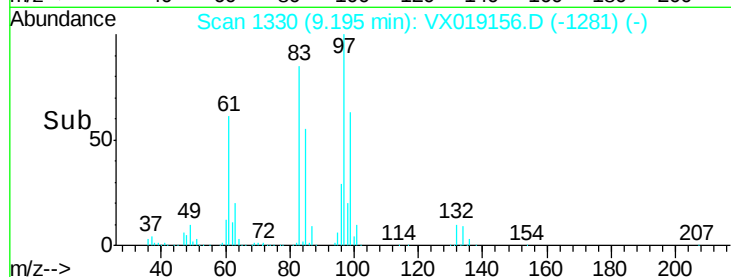
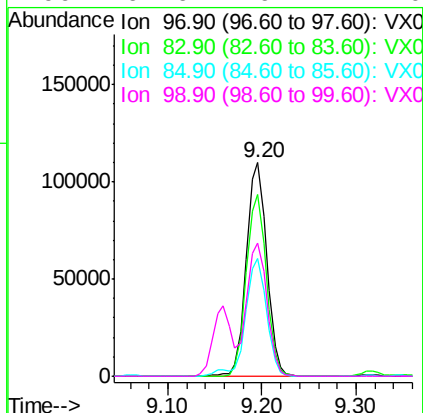
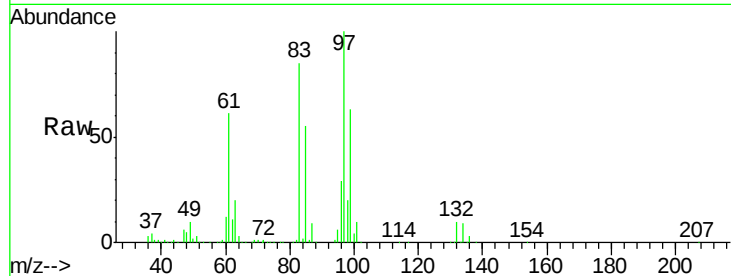
#55
 1,1,2-Trichloroethane
 Concen: 54.748 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		166278		
83	85.1	67.2	100.8		
85	55.1	44.6	67.0		
99	62.6	49.4	74.0		

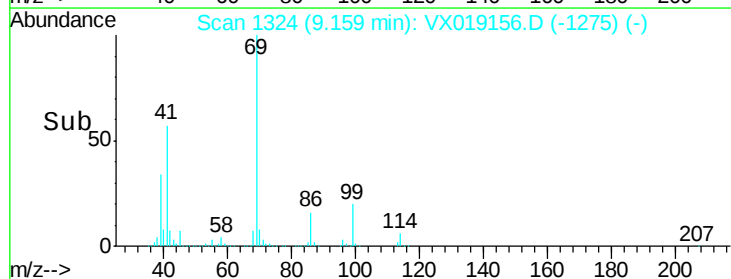
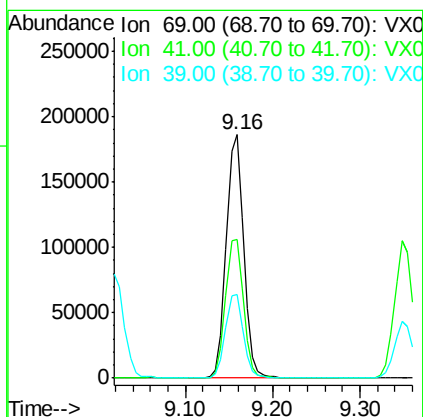
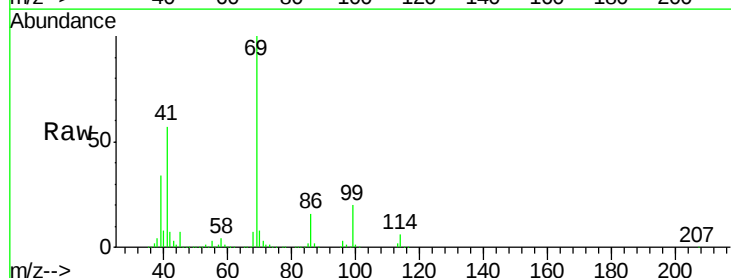
Manual Integrations
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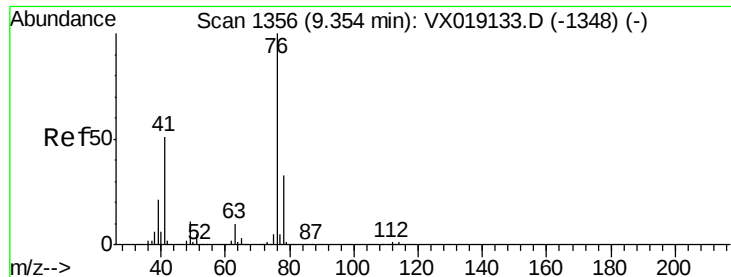
MMDadoda
 10/29/2020 9:45:29 AM



#56
 Ethyl methacrylate
 Concen: 55.964 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		256733		
41	59.0	46.5	69.7		
39	35.2	27.6	41.4		





#57

1,3-Dichloropropane

Concen: 55.108 ug/l

RT: 9.35 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 282183

Ion Ratio Lower Upper

76 100

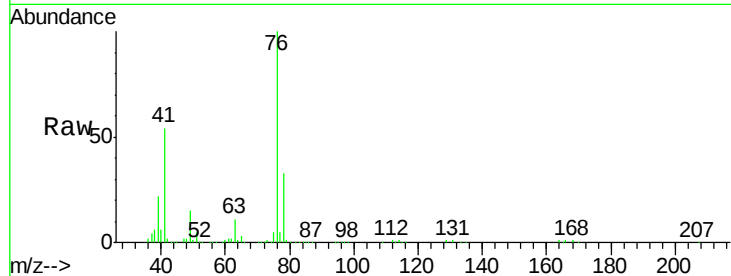
78 32.4 25.9 38.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

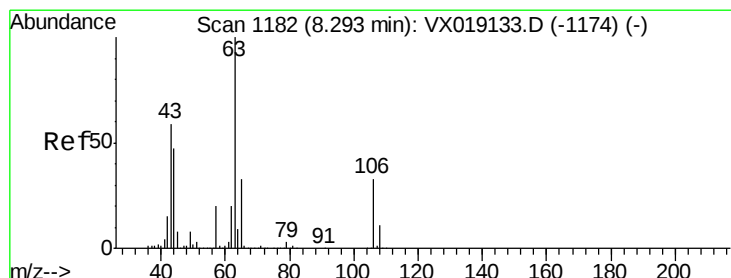
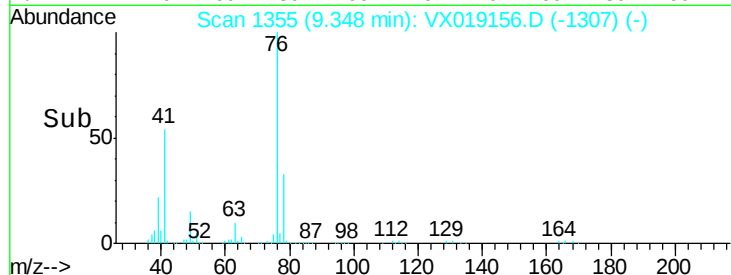
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 261.297 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX019156.D

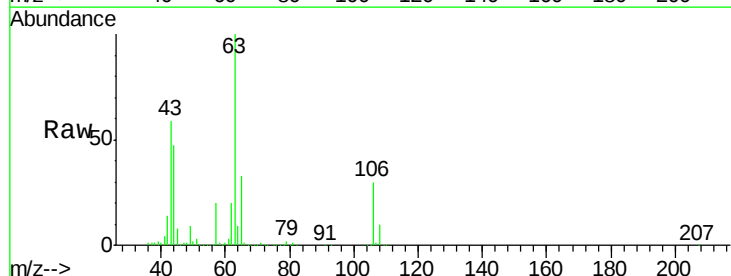
Acq: 28 Oct 2020 11:07

Tgt Ion: 63 Resp: 670379

Ion Ratio Lower Upper

63 100

106 30.4 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

500000

400000

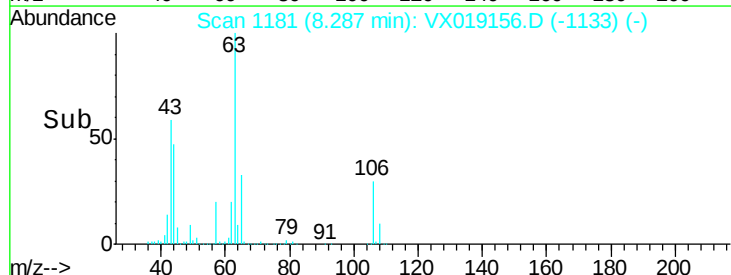
300000

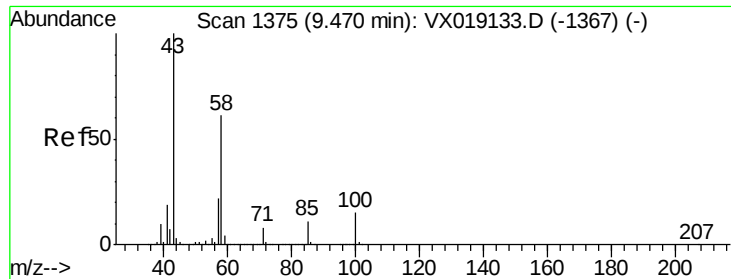
200000

100000

0

Time-->





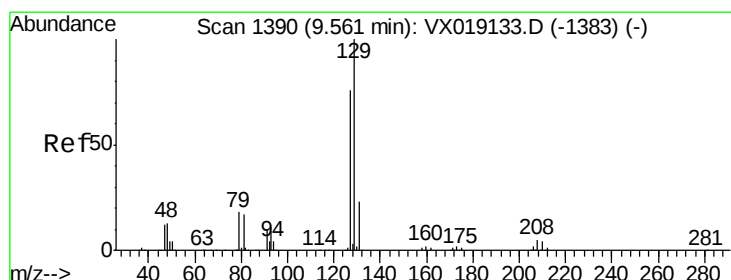
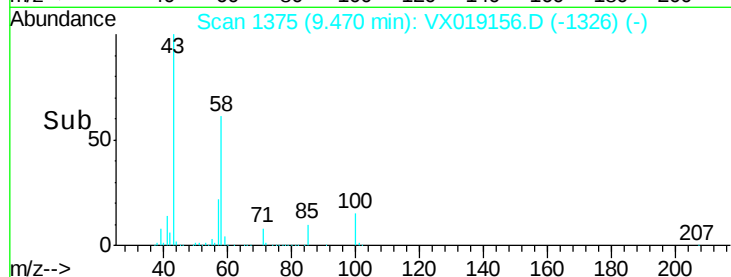
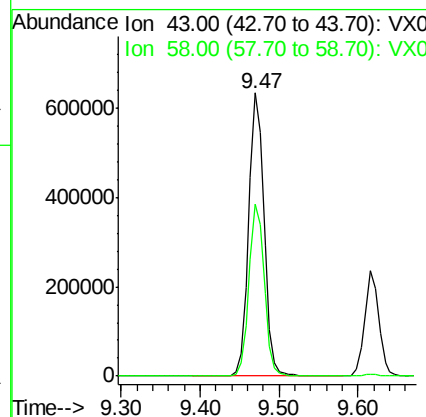
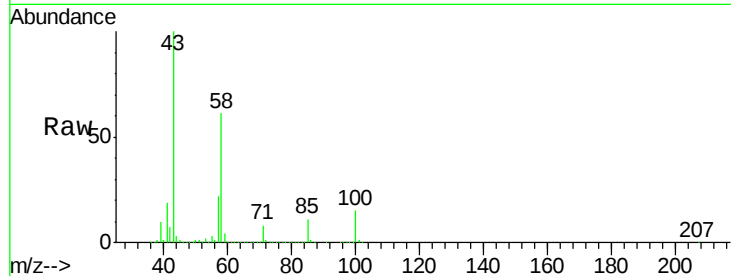
#59
2-Hexanone
Concen: 298.929 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.8	30.5	91.5

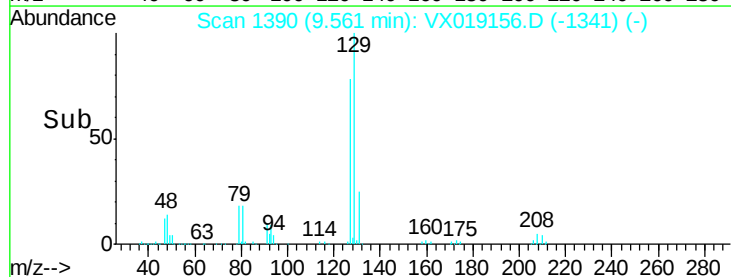
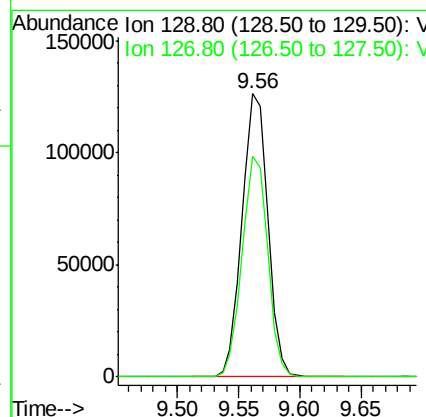
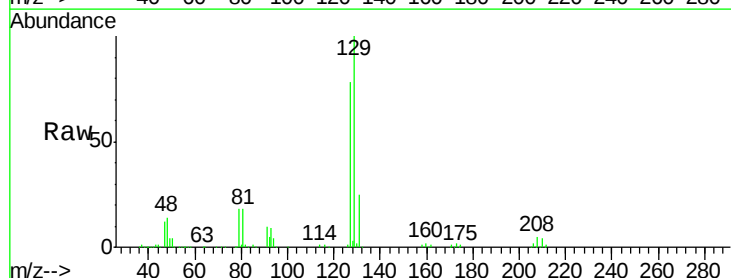
Manual Integrations
APPROVED

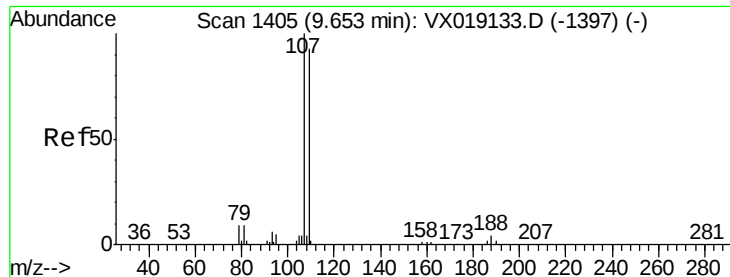
MMDadoda
10/29/2020 9:45:29 AM



#60
Dibromochloromethane
Concen: 55.969 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8





#61

1,2-Dibromoethane

Concen: 54.310 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 176386

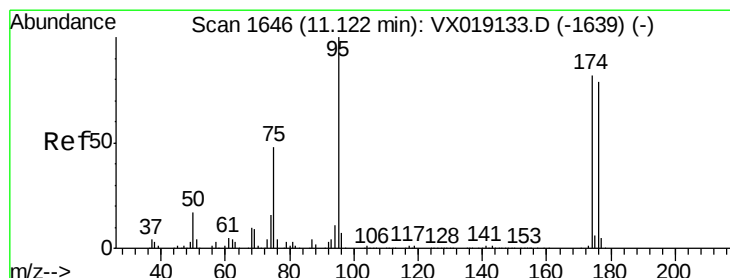
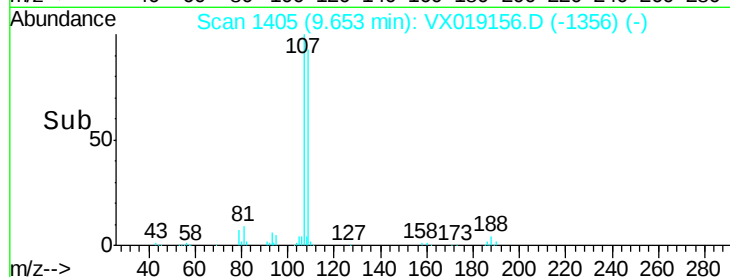
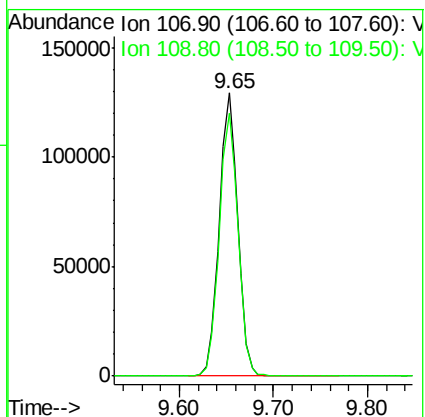
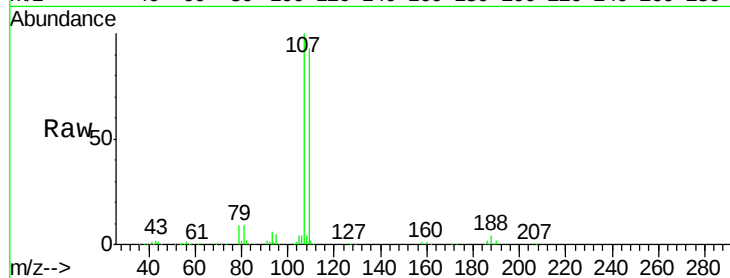
Ion Ratio Lower Upper

107 100

109 94.5 75.9 113.9

Manual Integrations
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10/29/2020 9:45:29 AM



#62

4-Bromofluorobenzene

Concen: 47.787 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

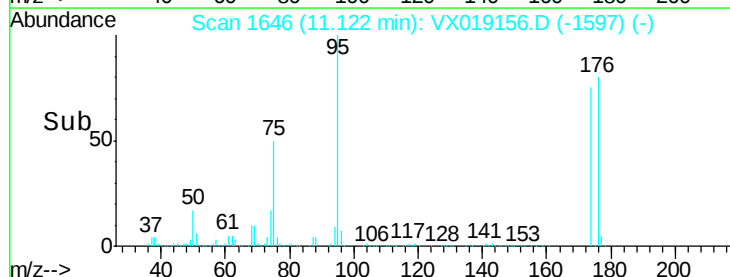
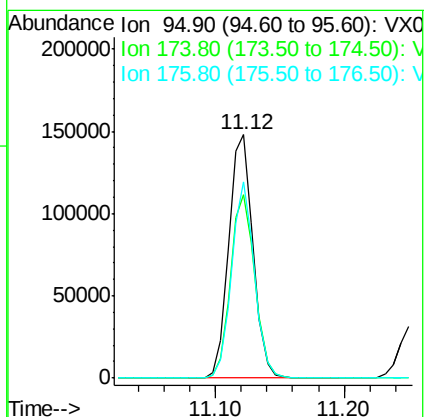
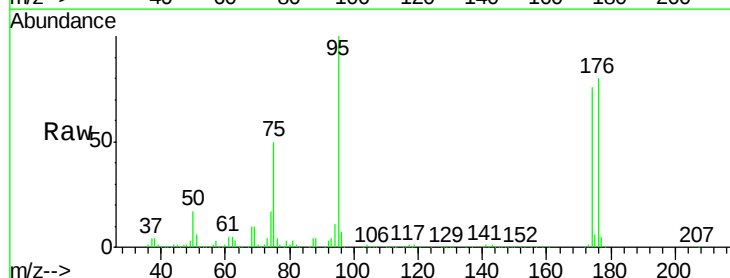
Tgt Ion: 95 Resp: 195336

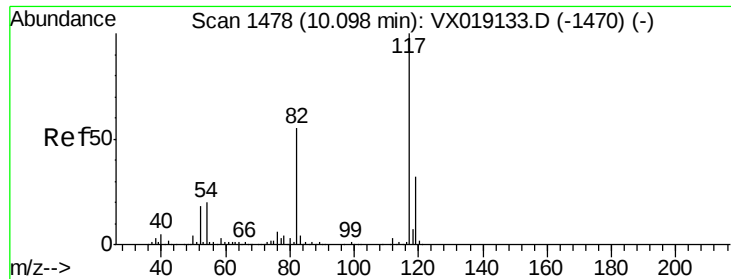
Ion Ratio Lower Upper

95 100

174 75.4 0.0 156.0

176 75.5 0.0 149.8





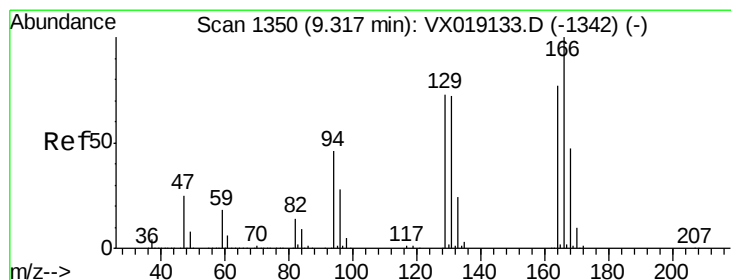
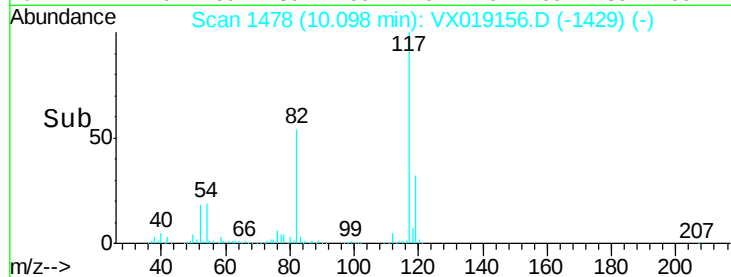
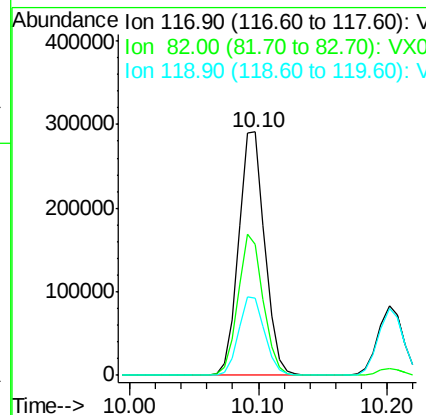
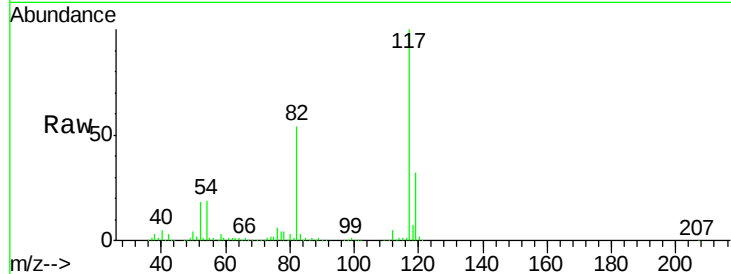
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	410813		
82	53.8		43.6	65.4
119	31.6		25.5	38.3

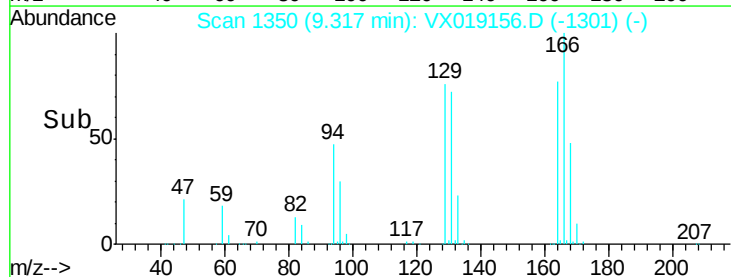
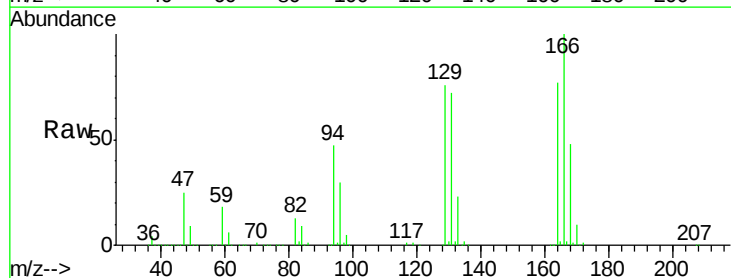
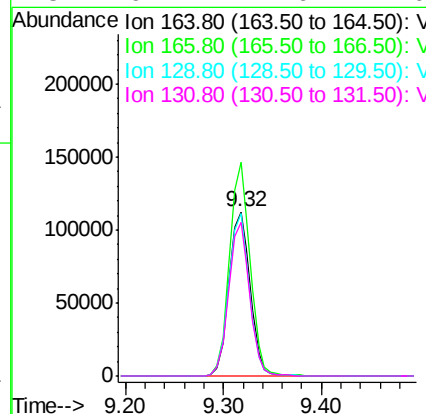
Manual Integrations
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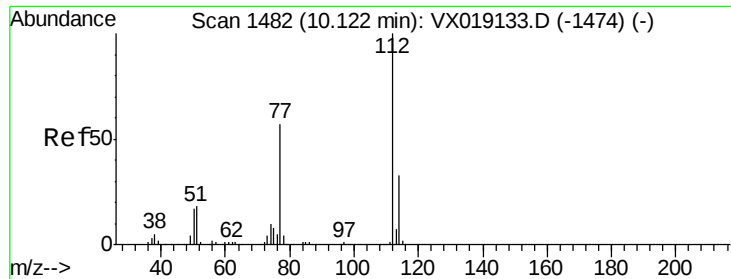
MMDadoda
10/29/2020 9:45:29 AM



#64
Tetrachloroethene
Concen: 54.077 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	169258		
166	130.3		104.1	156.1
129	99.0		76.2	114.4
131	94.1		74.6	112.0





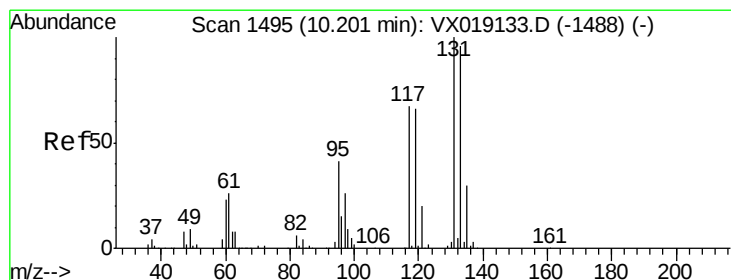
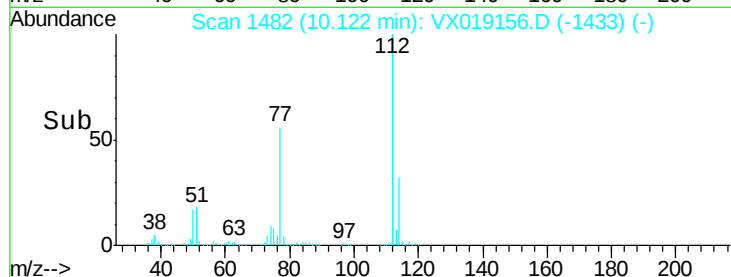
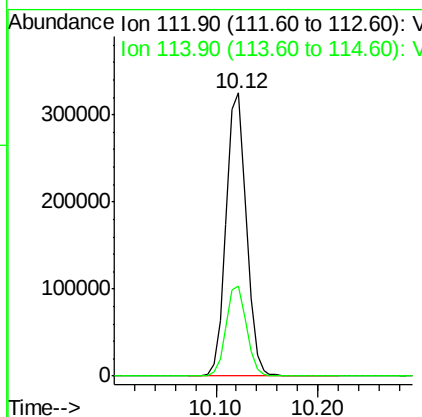
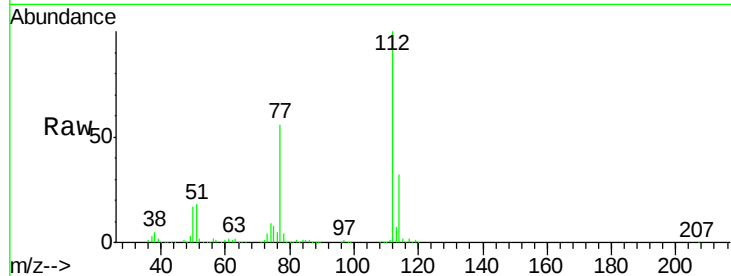
#65
Chlorobenzene
Concen: 53.162 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.1	39.1

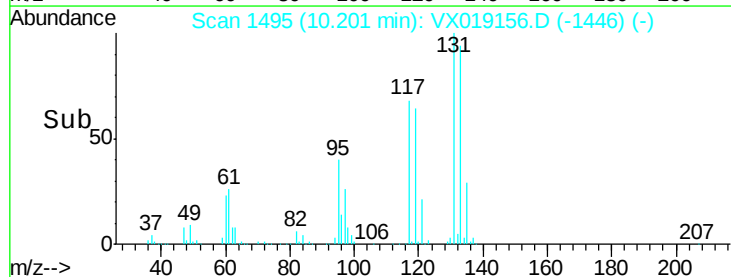
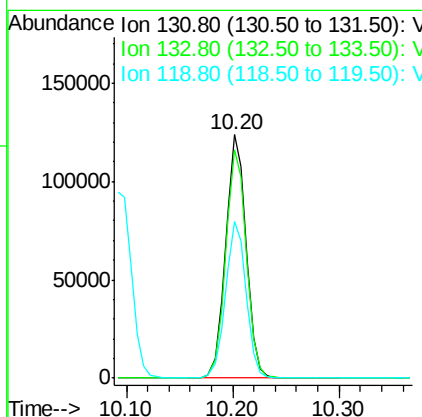
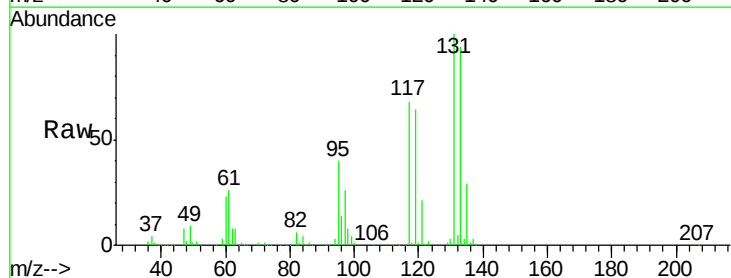
Manual Integrations
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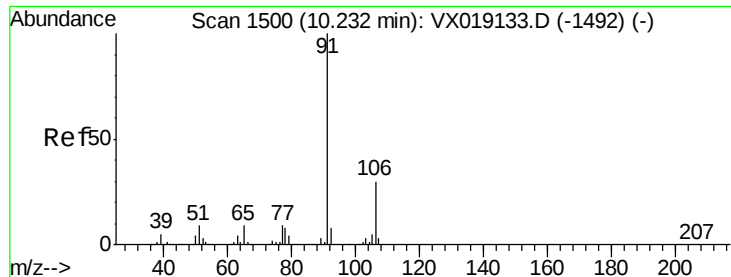
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.018 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.8
119	64.8	32.3	96.9





#67

Ethyl Benzene

Concen: 54.436 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 814480

Ion Ratio Lower Upper

91 100

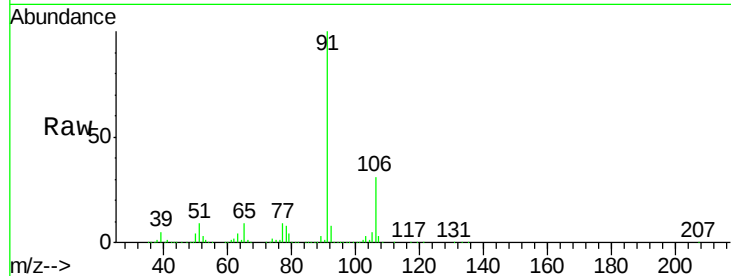
106 31.3 24.3 36.5

Manual Integrations

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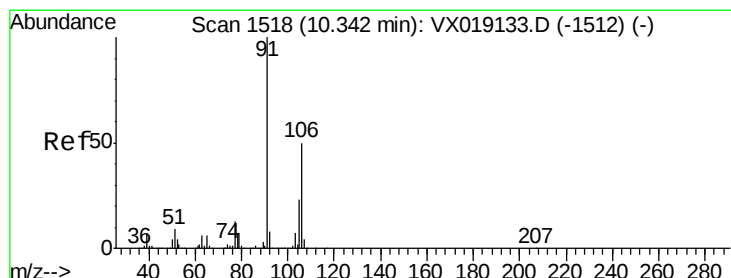
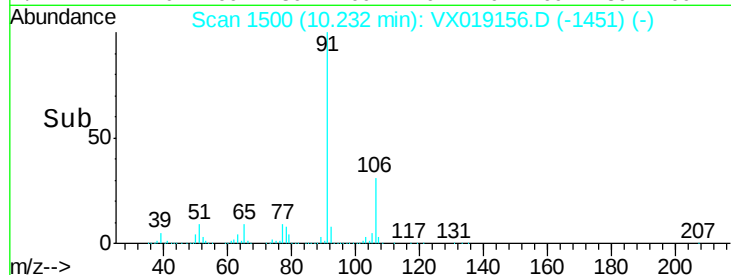
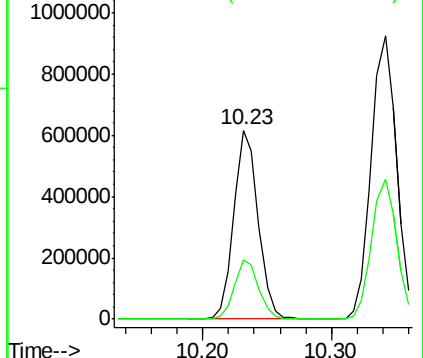
MMDadoda

10/29/2020 9:45:29 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 109.465 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019156.D

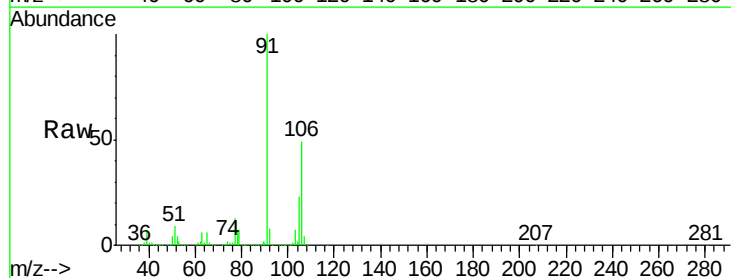
Acq: 28 Oct 2020 11:07

Tgt Ion: 106 Resp: 614704

Ion Ratio Lower Upper

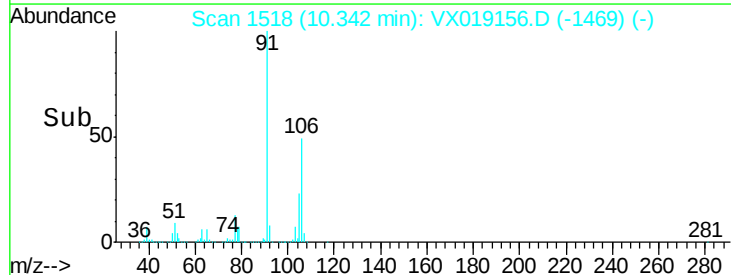
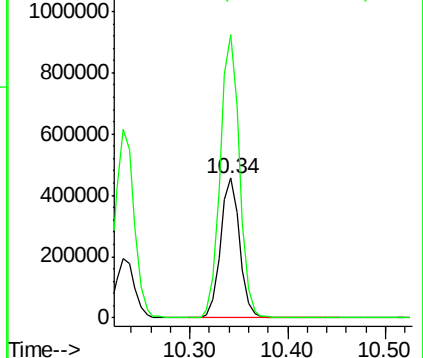
106 100

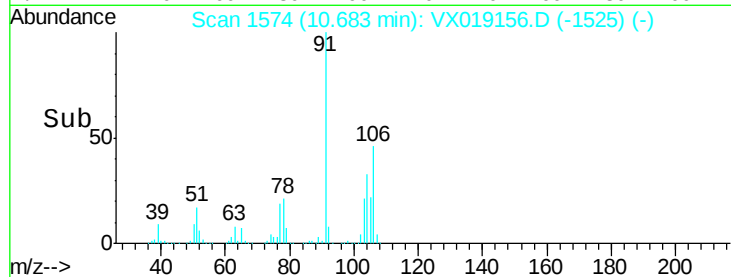
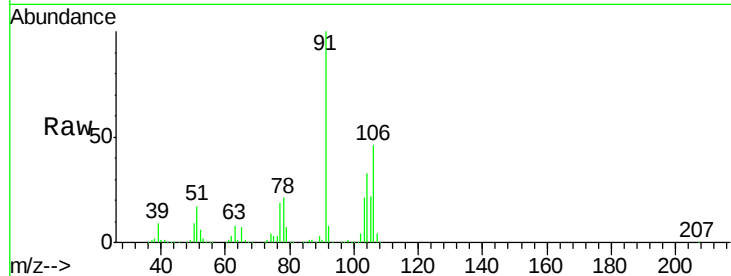
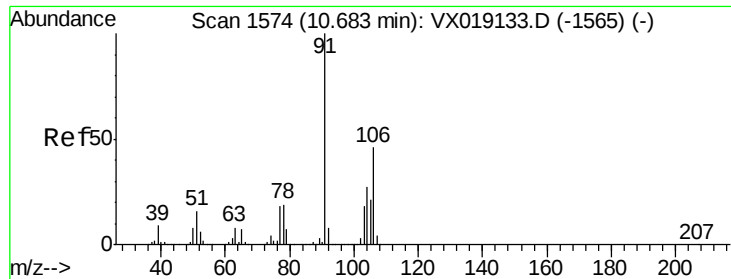
91 204.0 161.0 241.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





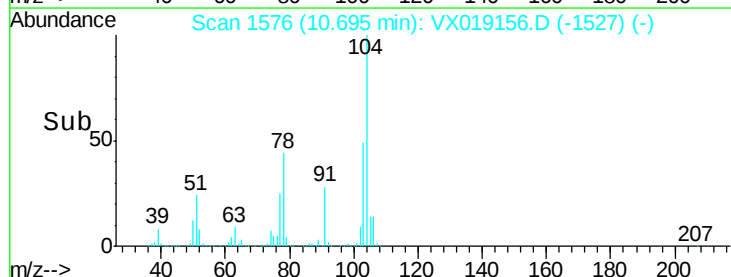
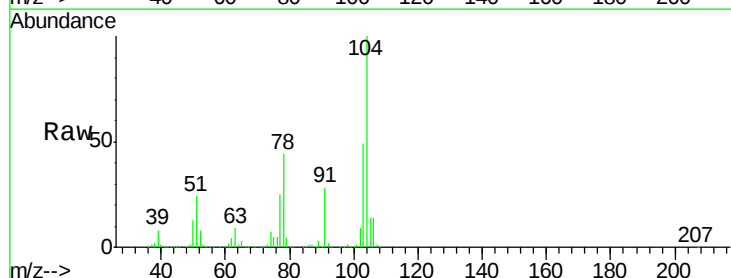
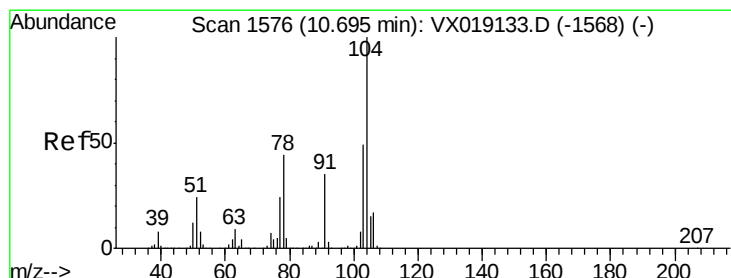
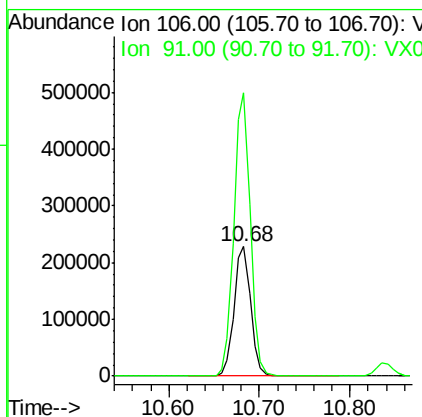
#69
o-Xylene
Concen: 54.362 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tot Ion:106 Resp: 289546
Ion Ratio Lower Upper
106 100
91 215.9 108.3 324.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

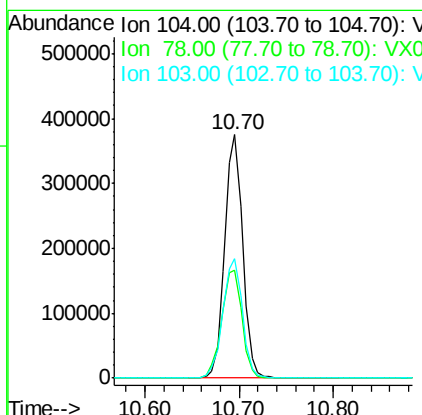
Manual Integrations
APPROVED

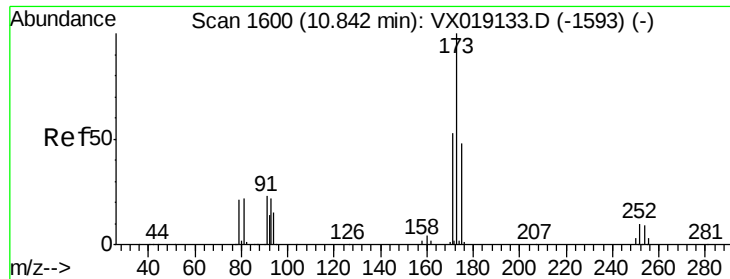
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#70
Styrene
Concen: 54.640 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion:104 Resp: 496560
Ion Ratio Lower Upper
104 100
78 50.4 40.0 60.0
103 53.5 43.5 65.3





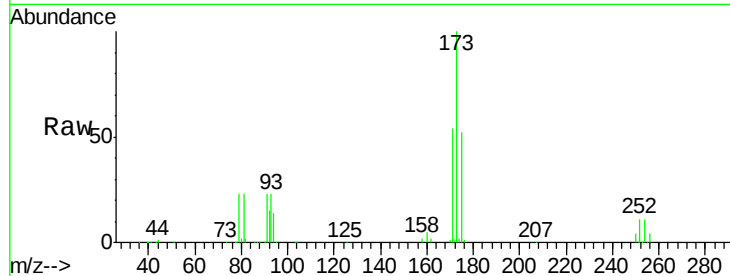
#71
Bromoform
Concen: 53.748 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.4
254	0.1	0.1	0.1

Manual Integrations
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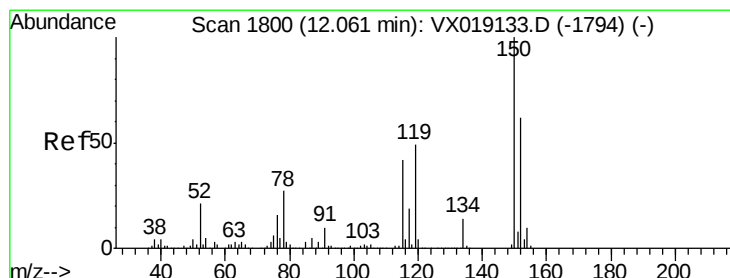
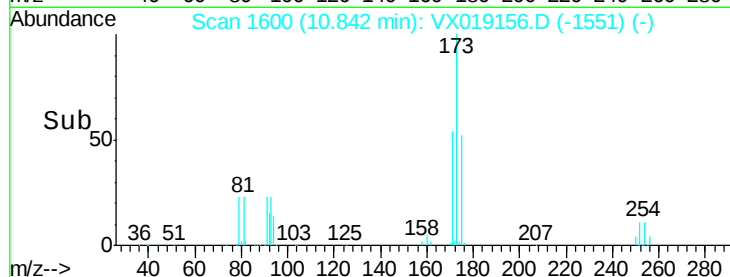
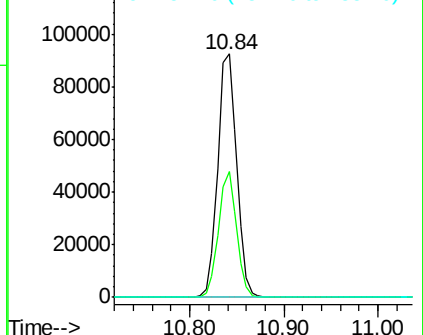


Abundance

Ion 172.70 (172.40 to 173.40): V

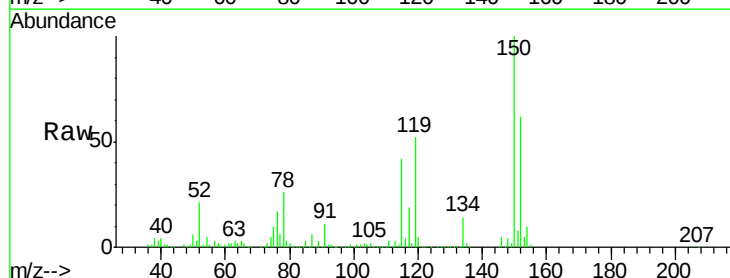
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	87.1	41.9	125.7
150	174.1	0.0	347.8

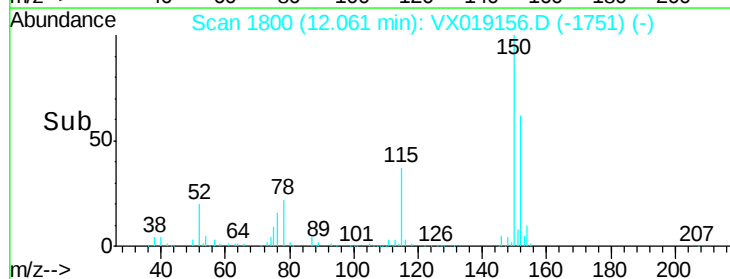
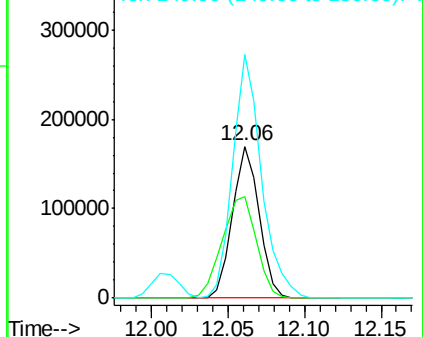


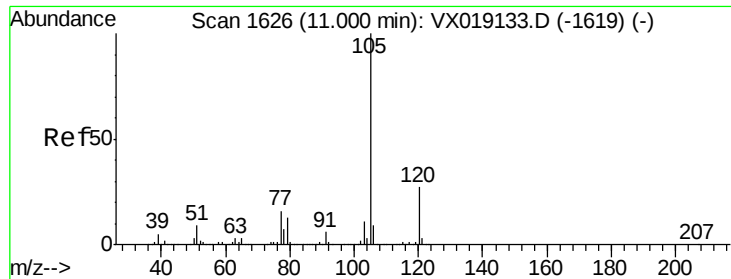
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.624 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 787787

Ion Ratio Lower Upper

105 100

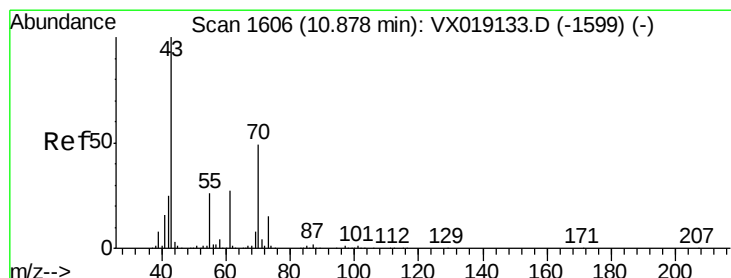
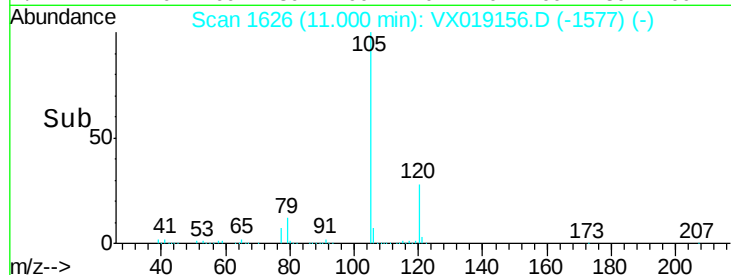
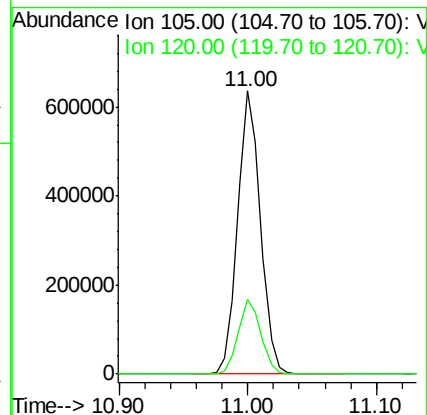
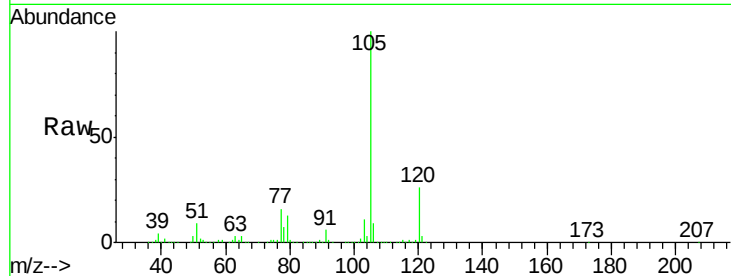
120 26.3 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 56.170 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Tgt Ion: 43 Resp: 296192

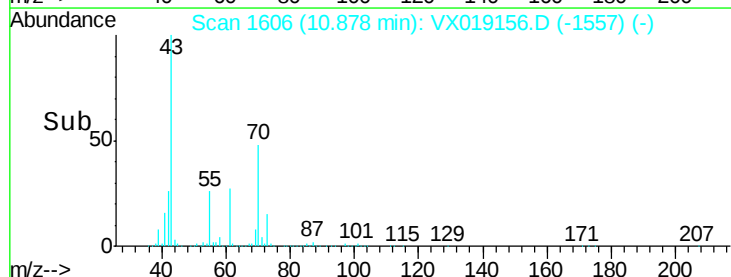
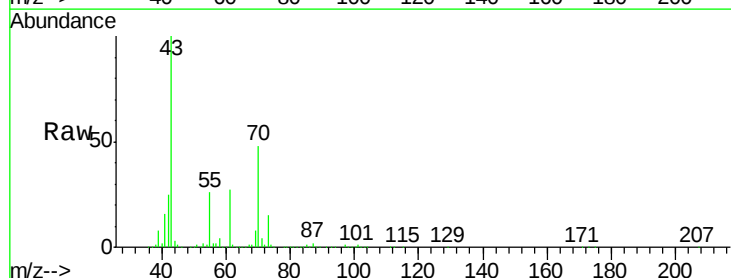
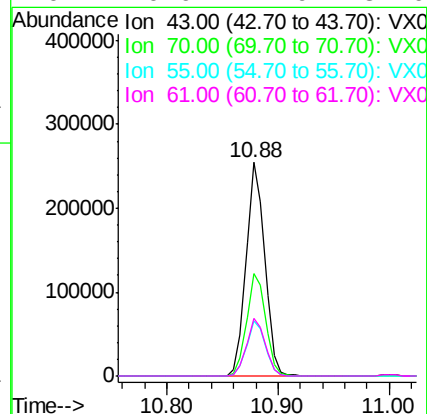
Ion Ratio Lower Upper

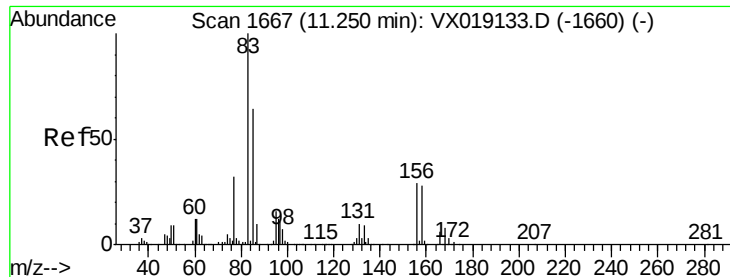
43 100

70 48.9 39.6 59.4

55 26.1 20.7 31.1

61 26.9 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 54.549 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 245868
Ion Ratio Lower Upper

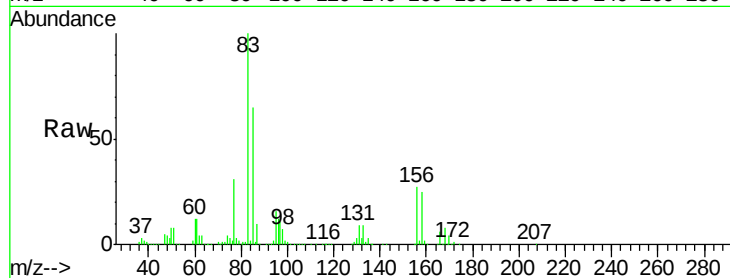
83 100

131 10.0 5.2 15.6

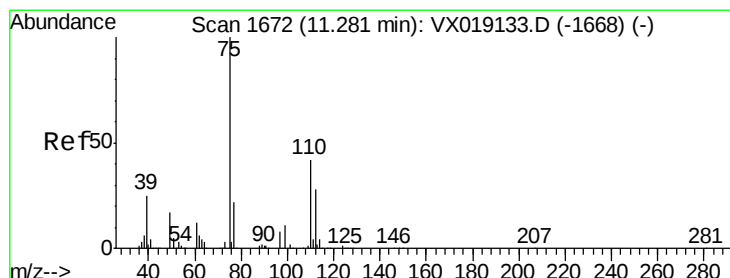
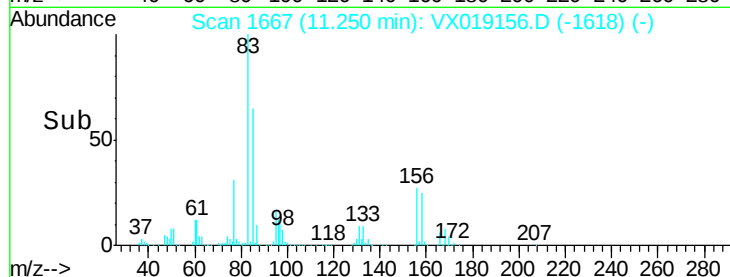
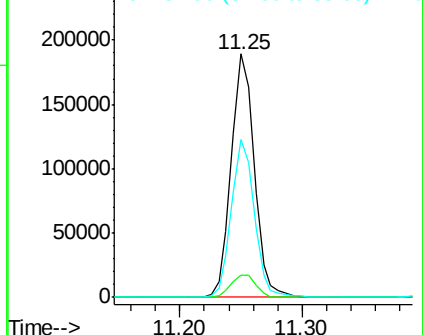
85 64.6 32.1 96.3

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 55.585 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

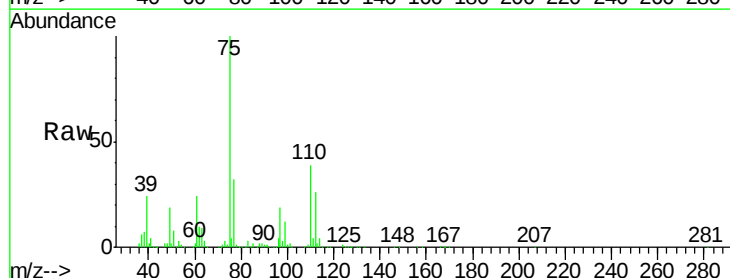
Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

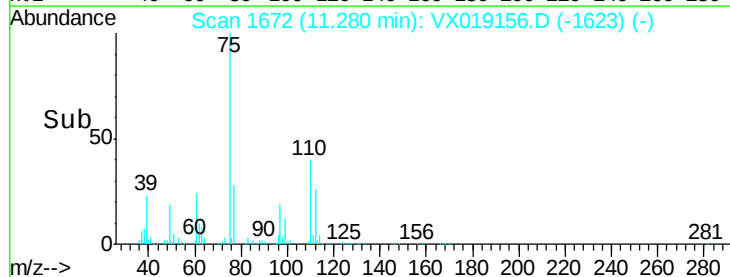
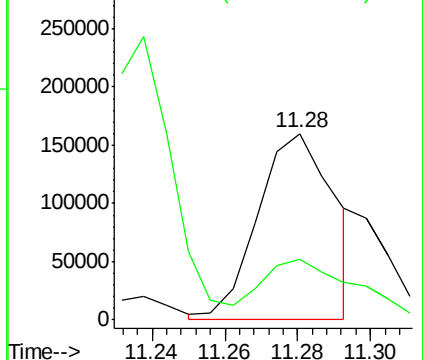
Tgt Ion: 75 Resp: 233840
Ion Ratio Lower Upper

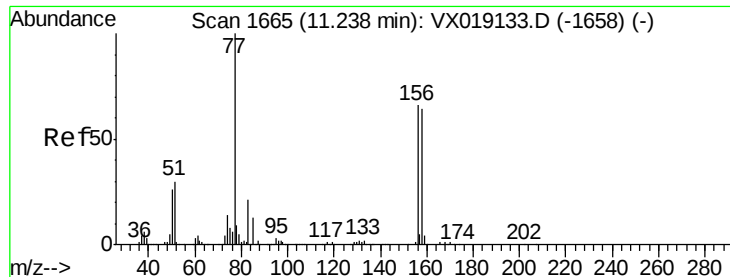
75 100

77 39.3 20.3 60.9



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





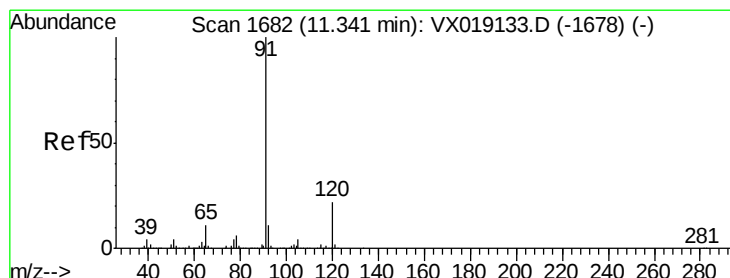
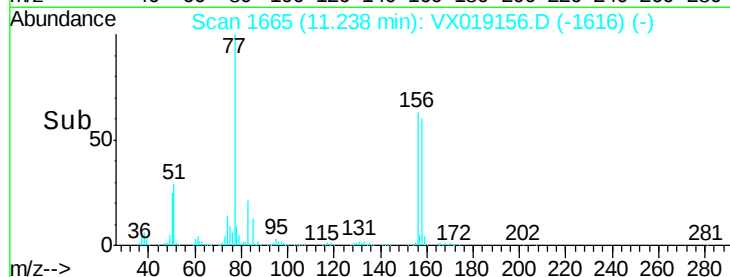
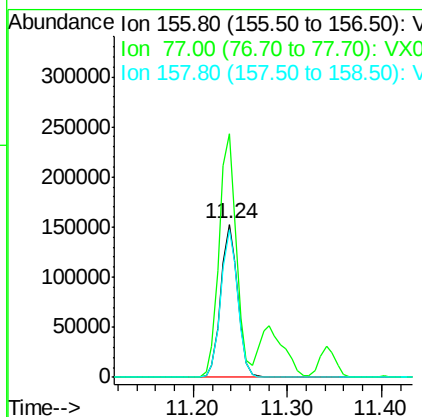
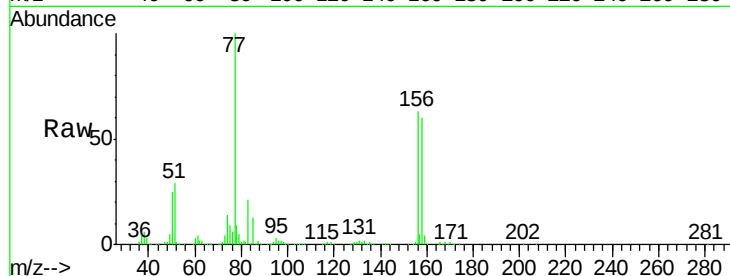
#77
Bromobenzene
Concen: 52.808 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.4	77.7	233.1
158	96.7	48.3	144.8

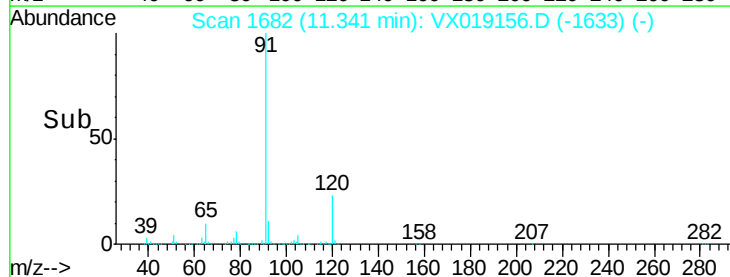
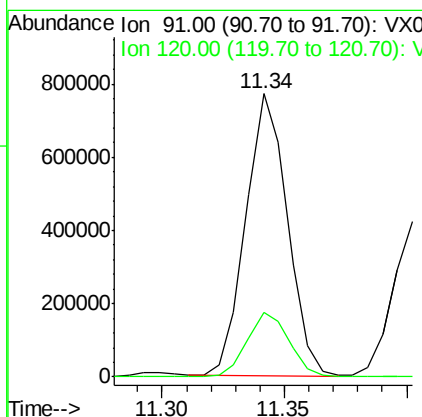
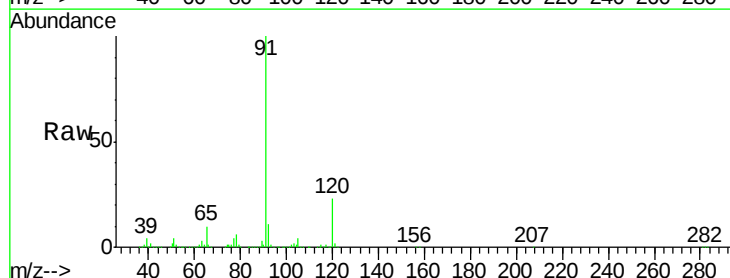
Manual Integrations
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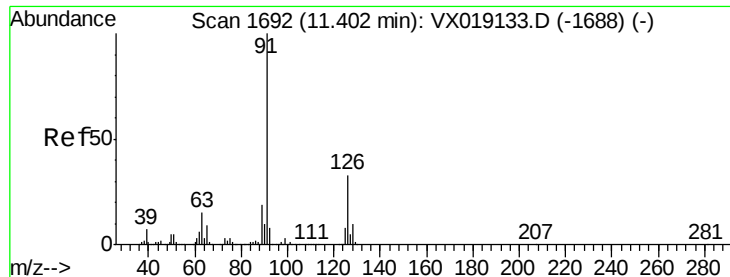
MMDadoda
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#78
n-propylbenzene
Concen: 55.555 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.0





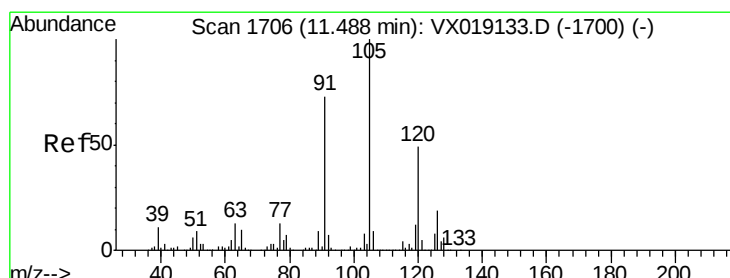
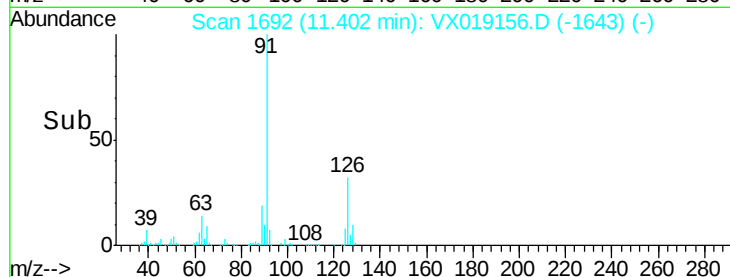
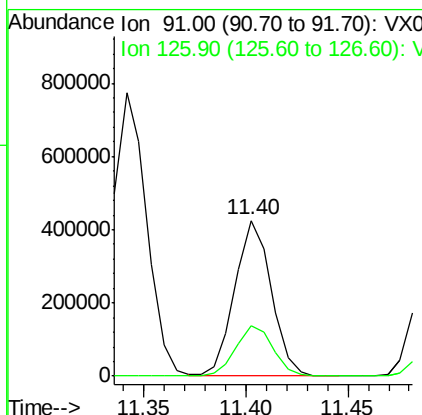
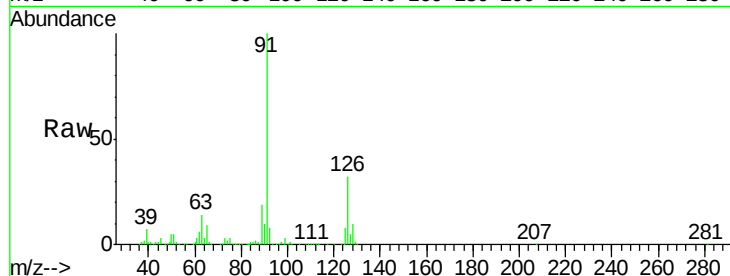
#79
 2-Chlorotoluene
 Concen: 54.251 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 525831
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.9 50.7

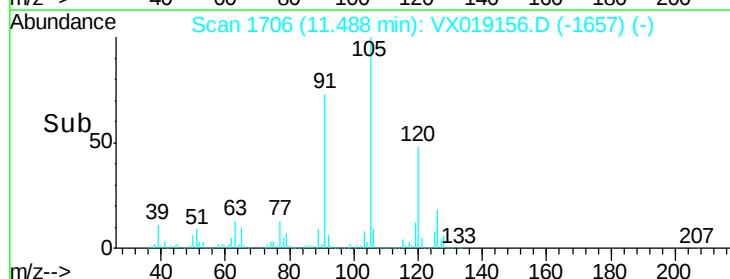
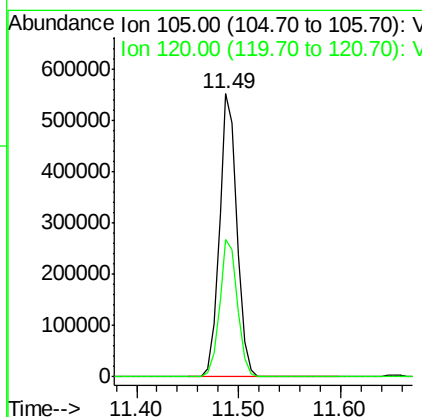
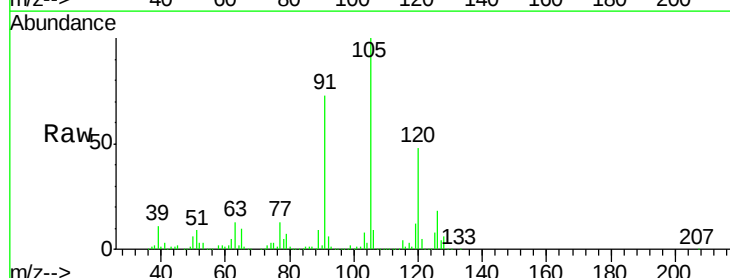
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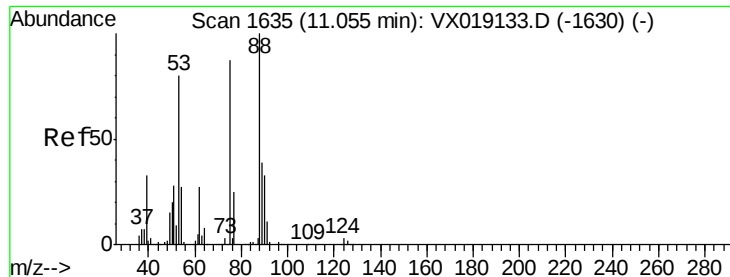
MMDadoda
 10/29/2020 9:45:29 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 54.423 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Tgt Ion: 105 Resp: 663079
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.3 72.8





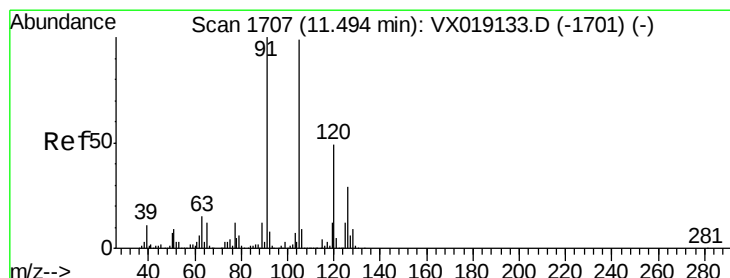
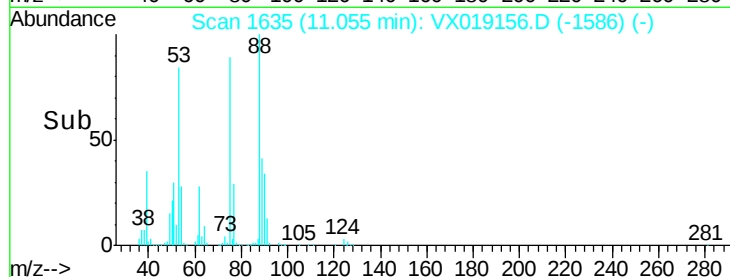
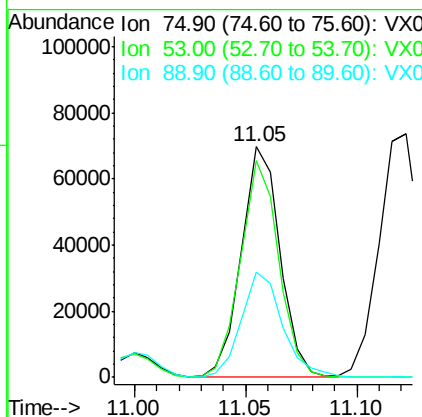
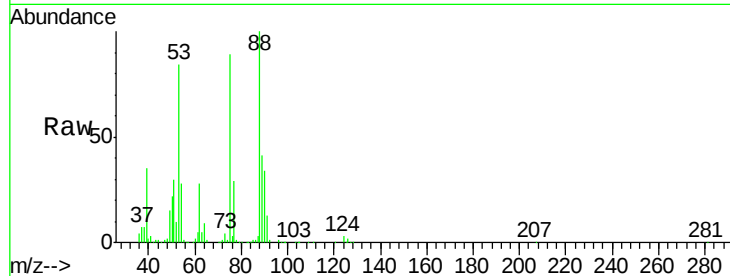
#81
trans-1,4-Dichloro-2-butene
Concen: 52.956 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	73.3	109.9
89	49.1	38.2	57.2

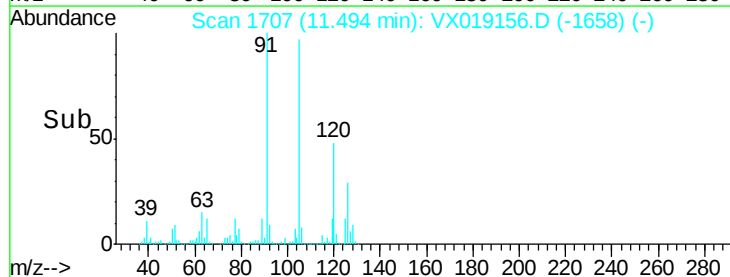
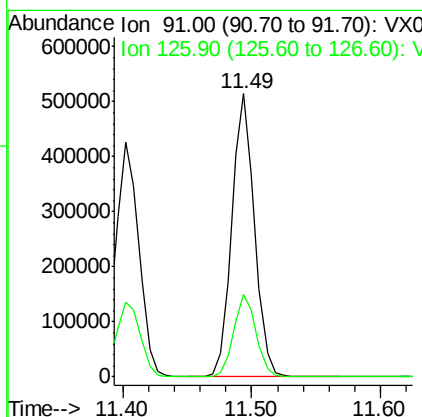
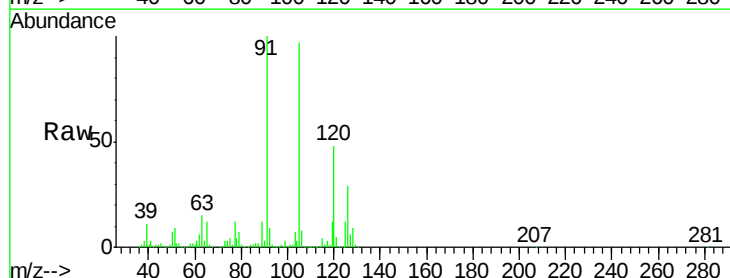
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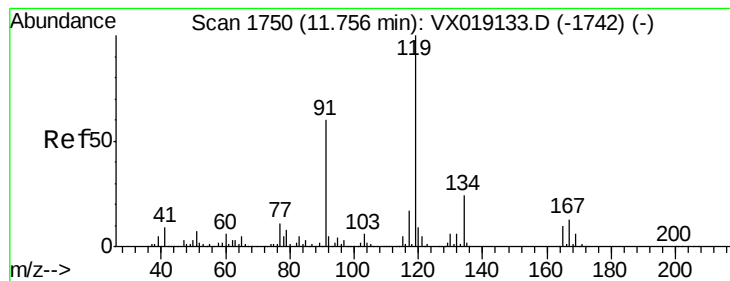
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.209 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.8	44.4





#83

tert-Butylbenzene

Concen: 54.951 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019156.D

Acq: 28 Oct 2020 11:07

Instrument :

MSVOA_X

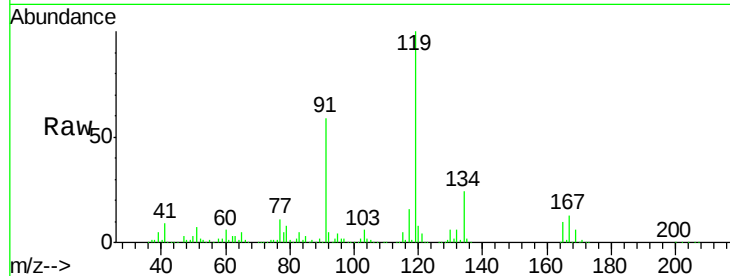
ClientSampleId :

VSTDCCC050

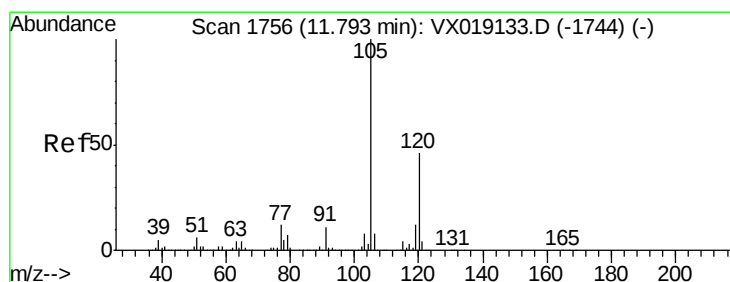
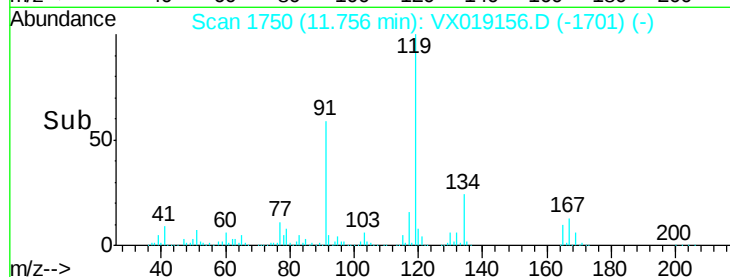
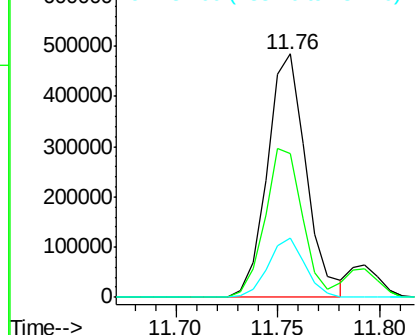
Tot Ion:	119	Resp:	641047
Ion Ratio	Lower	Upper	
119	100		
91	59.2	29.0	87.1
134	23.1	11.7	35.0

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.722 ug/l

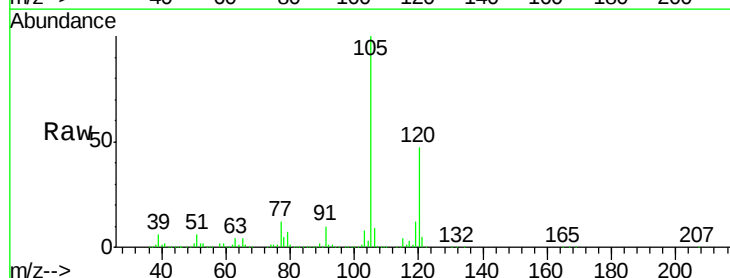
RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

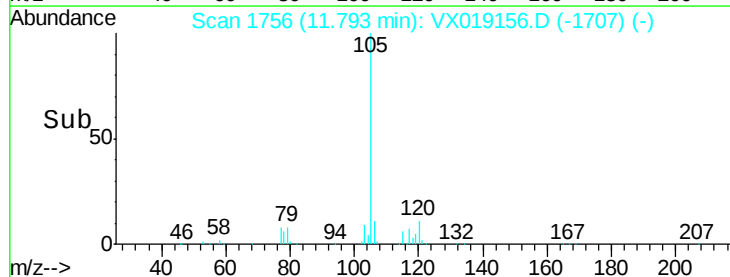
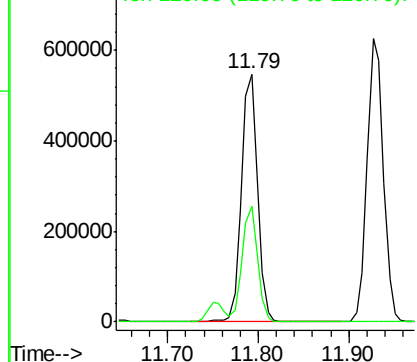
Lab File: VX019156.D

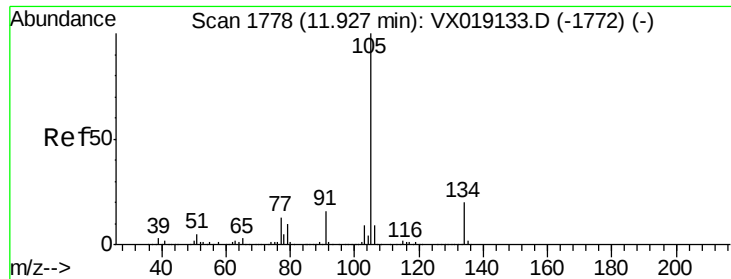
Acq: 28 Oct 2020 11:07

Tgt Ion:	105	Resp:	673079
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.4	67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





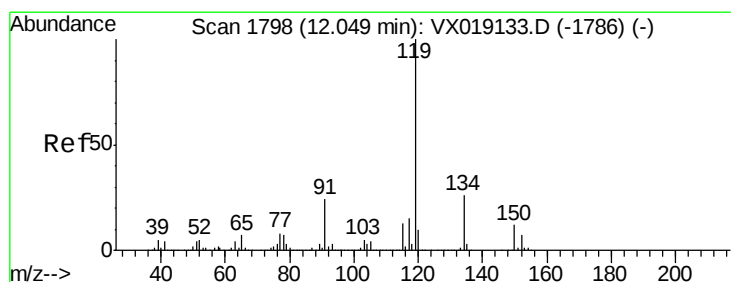
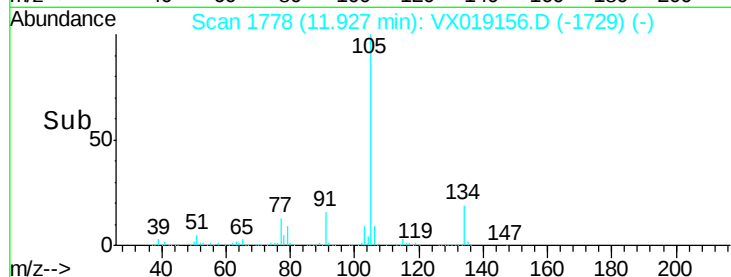
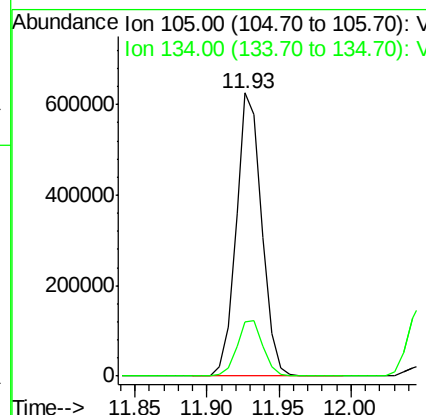
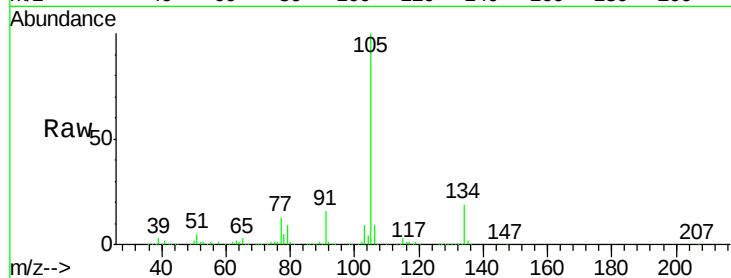
#85
 sec-Butylbenzene
 Concen: 55.274 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

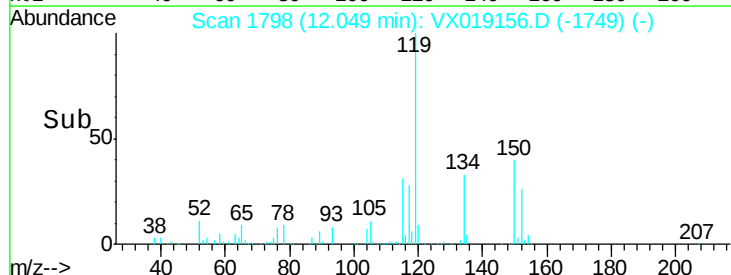
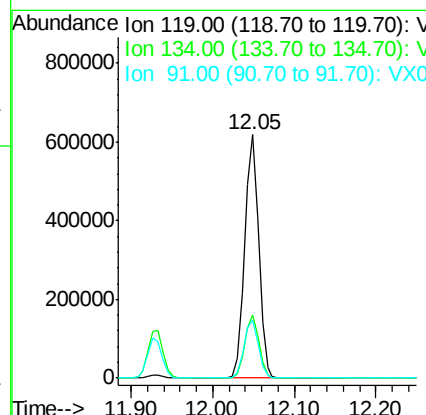
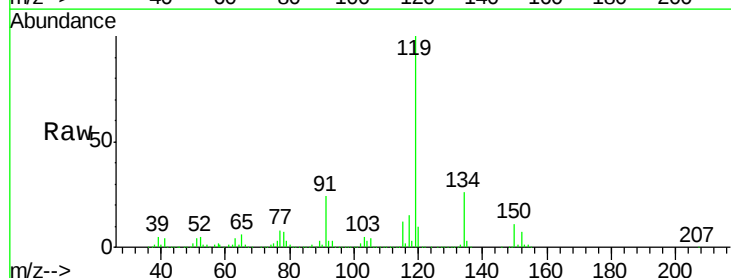
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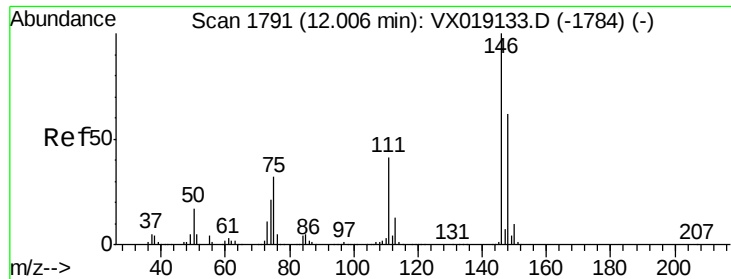
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#86
 p-Isopropyltoluene
 Concen: 55.826 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.7
91	24.2	12.0	36.0





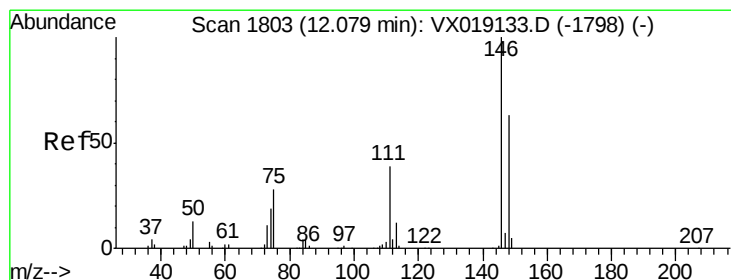
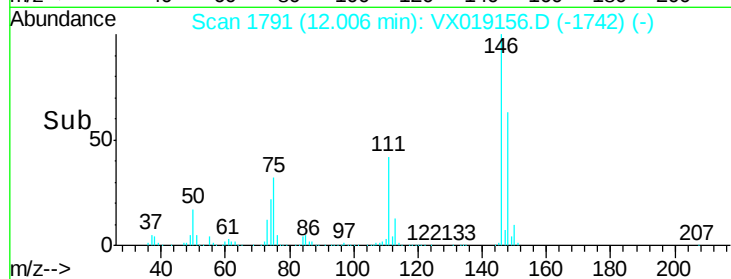
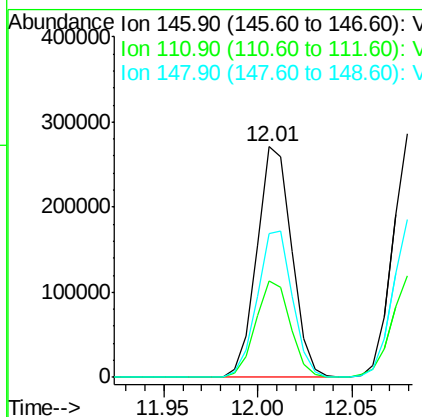
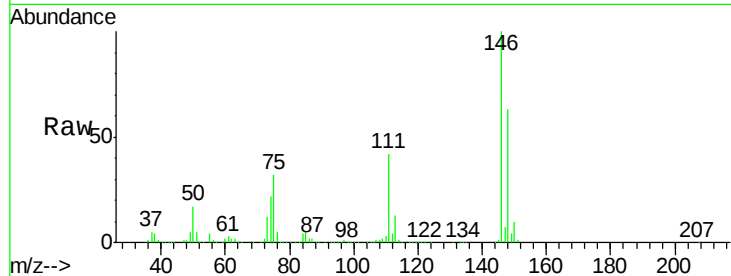
#87
 1,3-Dichlorobenzene
 Concen: 52.111 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	347359		
111	41.9	20.4	61.2	
148	63.9	31.6	94.8	

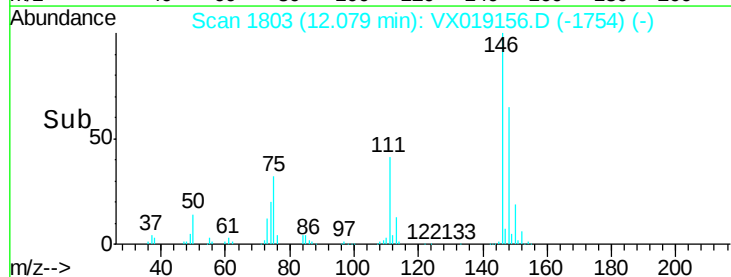
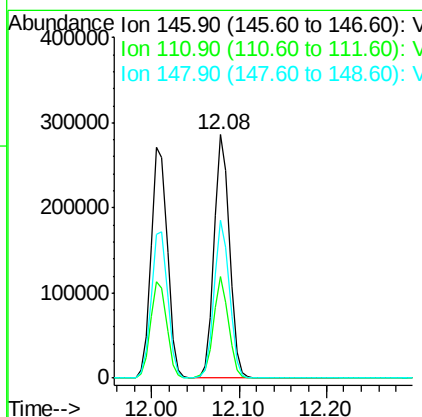
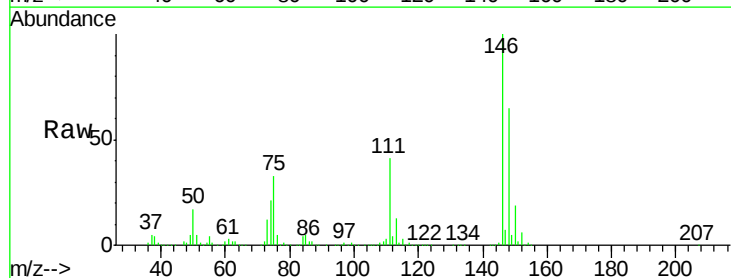
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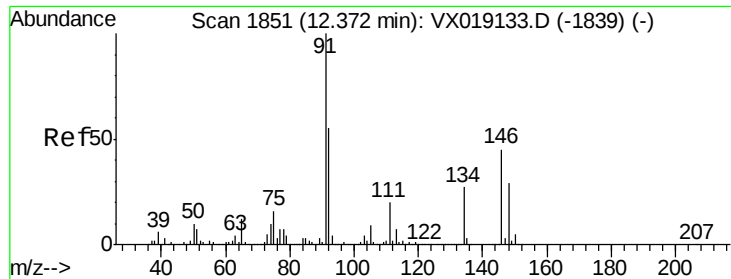
MMDadoda
 10/29/2020 9:45:29 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.587 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	351004		
111	40.3	20.2	60.5	
148	64.2	31.3	93.8	





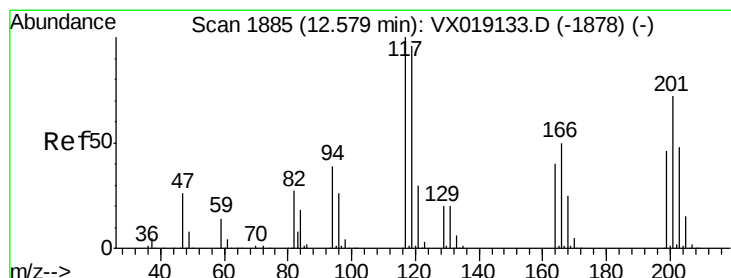
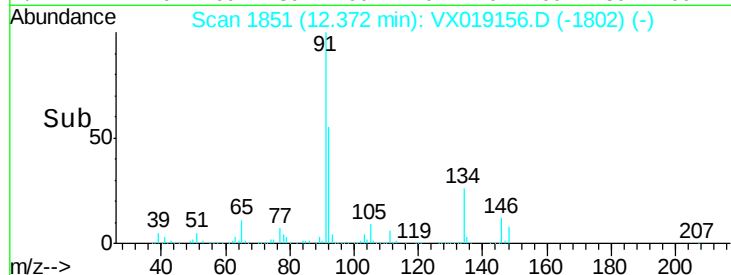
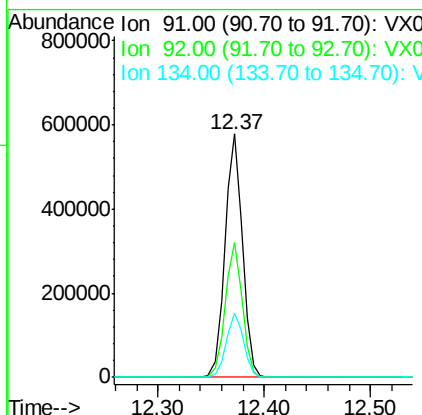
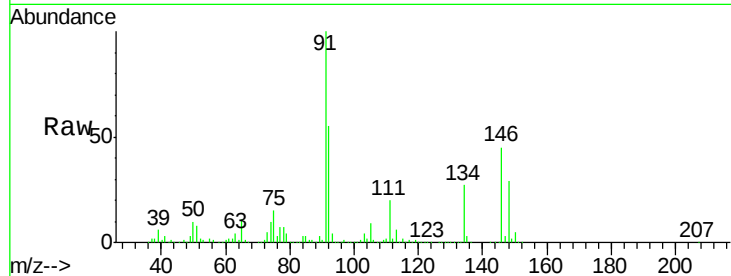
#89
n-Butylbenzene
Concen: 54.507 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.5	82.4
134	26.3	13.2	39.6

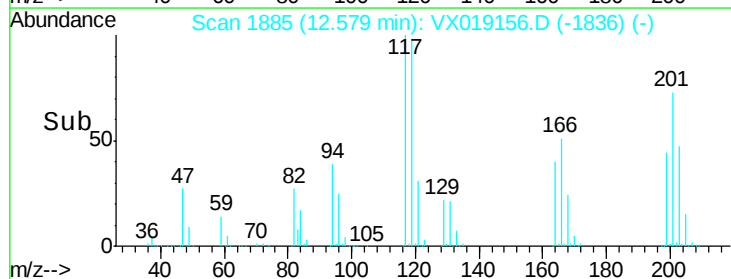
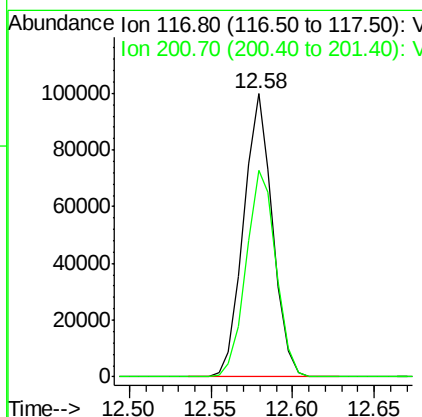
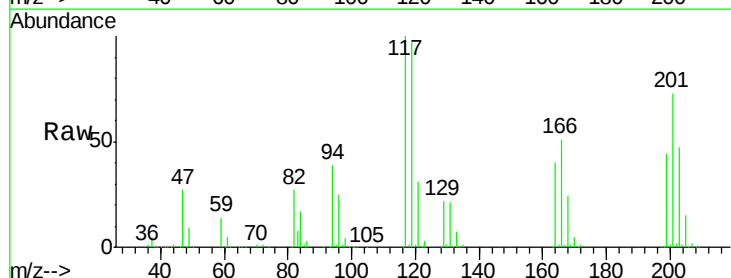
Manual Integrations
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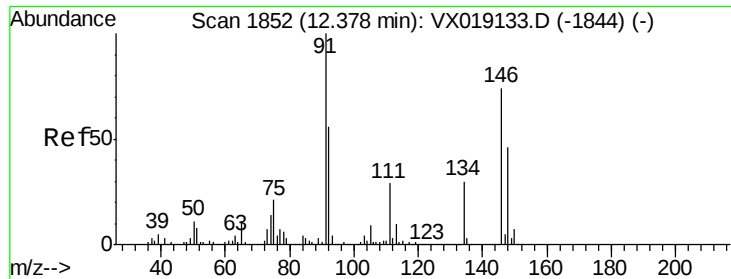
MMDadoda
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#90
Hexachloroethane
Concen: 56.107 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	38.5	115.3





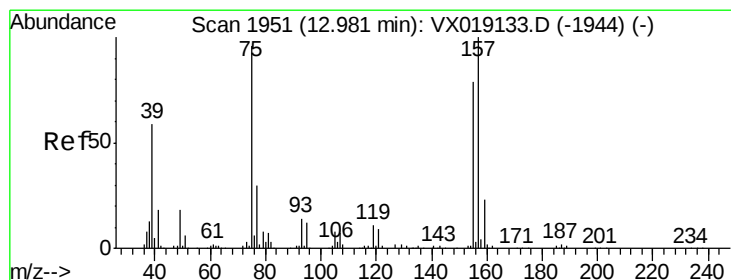
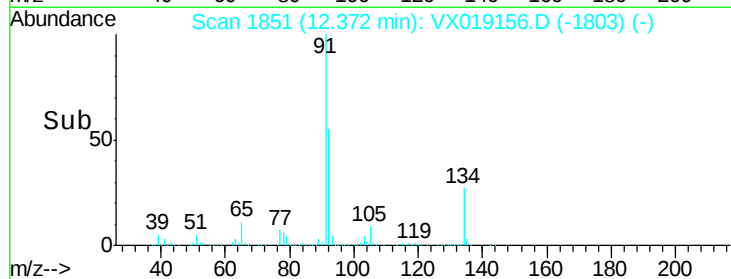
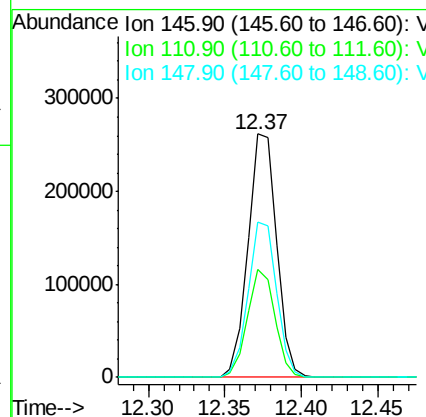
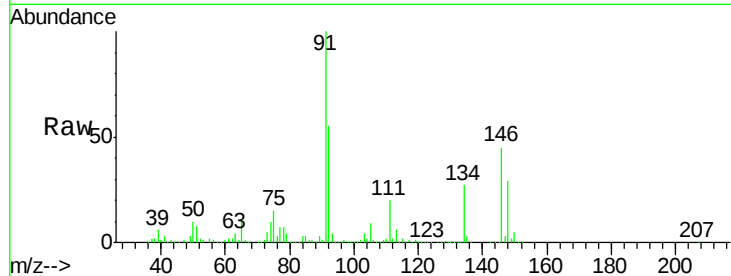
#91
 1,2-Dichlorobenzene
 Concen: 53.128 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.9	21.2	63.6	
148	63.7	31.6	94.7	

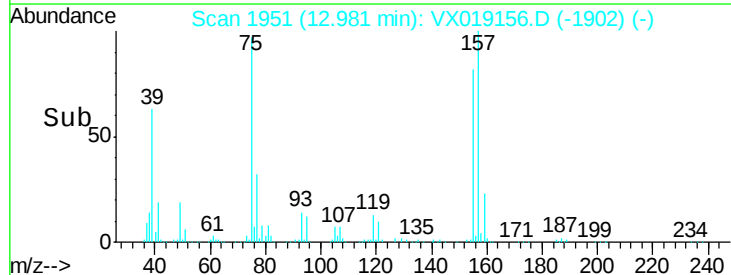
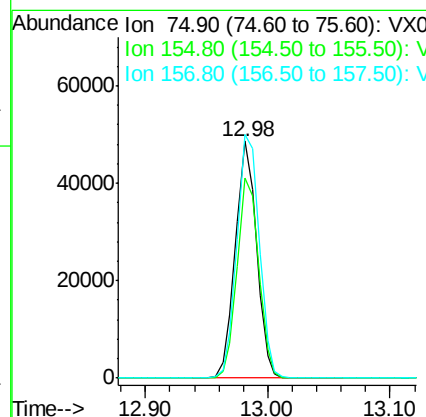
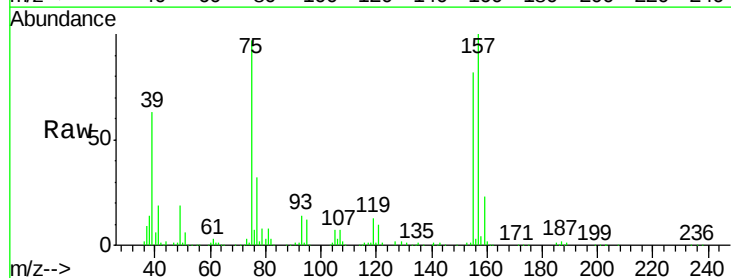
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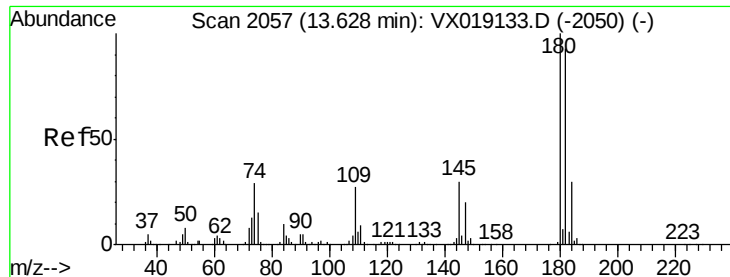
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 10/29/2020 9:45:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.815 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	85.9	42.8	128.4	
157	107.8	54.8	164.4	





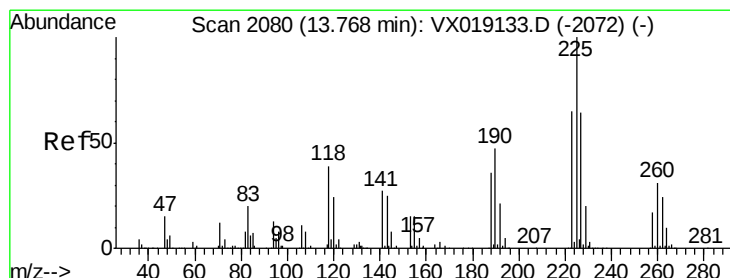
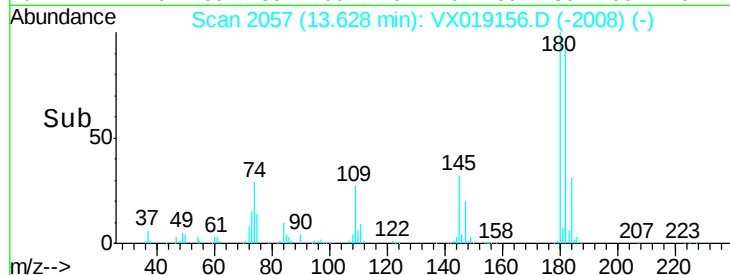
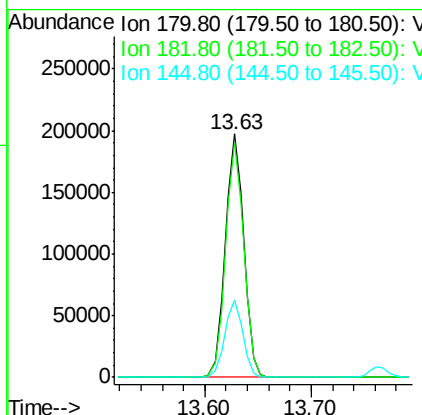
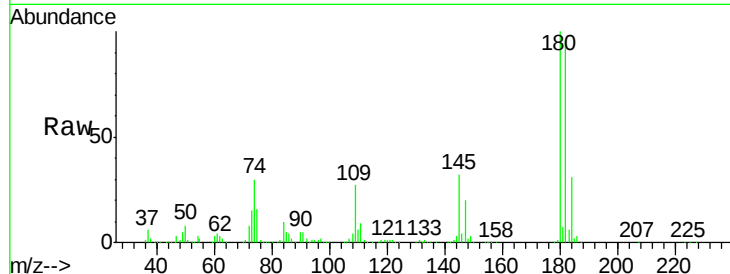
#93
 1,2,4-Trichlorobenzene
 Concen: 49.923 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	240018		
182	95.3	46.8	140.3	
145	31.3	15.5	46.5	

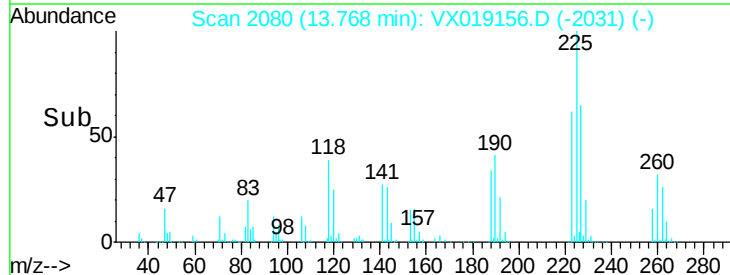
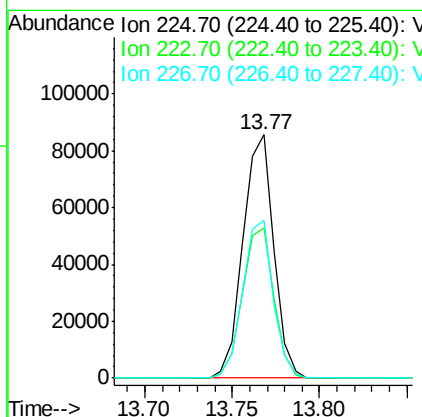
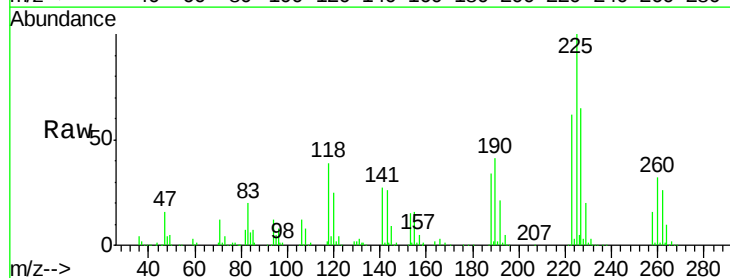
Manual Integrations
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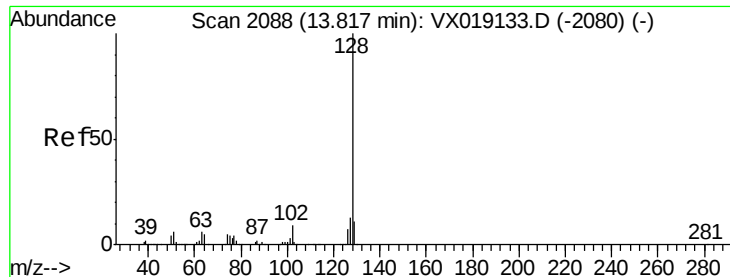
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 10/29/2020 9:45:29 AM



#94
 Hexachlorobutadiene
 Concen: 49.335 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX019156.D
 Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104412		
223	63.2	32.4	97.2	
227	64.4	31.6	94.7	





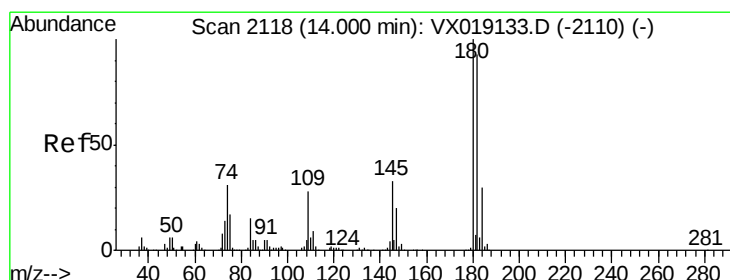
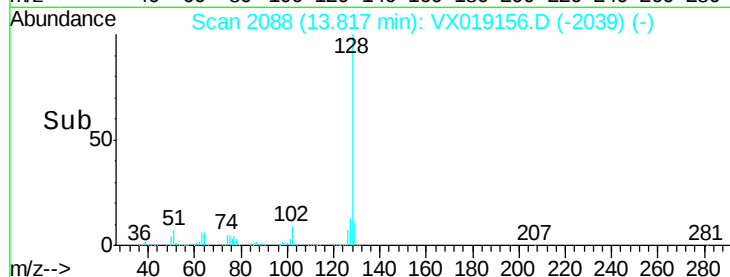
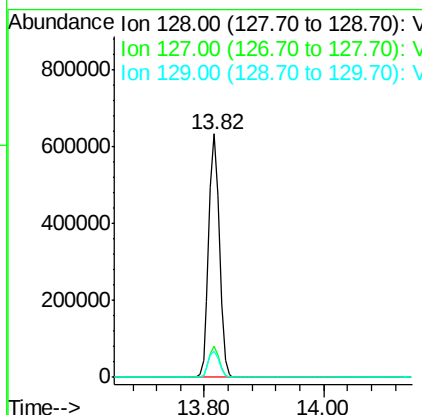
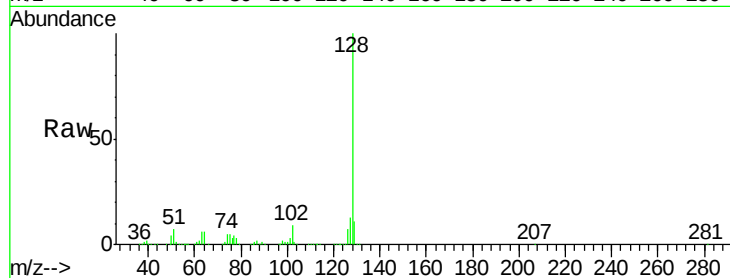
#95
Naphthalene
Concen: 50.680 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.364 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019156.D
Acq: 28 Oct 2020 11:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.8	143.3
145	32.5	16.5	49.5

