

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112320\
 Data File : VX019541.D
 Acq On : 23 Nov 2020 10:35
 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
 11/24/2020 1:09:54 PM

Quant Time: Nov 24 03:49:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	289284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	476445	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	419927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	215146	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	174073	46.41	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.82%
35) Dibromofluoromethane	5.46	113	144545	48.33	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.66%
50) Toluene-d8	8.70	98	538206	46.31	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	92.62%
62) 4-Bromofluorobenzene	11.12	95	207442	49.61	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.22%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	148376	52.744	ug/l	99
3) Chloromethane	1.31	50	144190	44.666	ug/l	99
4) Vinyl Chloride	1.39	62	172785	49.722	ug/l	100
5) Bromomethane	1.62	94	54113	41.112	ug/l	99
6) Chloroethane	1.68	64	34566	39.983	ug/l	96
7) Trichlorofluoromethane	1.89	101	258337	51.507	ug/l	99
8) Diethyl Ether	2.17	74	105163	52.354	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.35	101	146021	52.185	ug/l	98
10) Methyl Iodide	2.48	142	171985	46.786	ug/l	99
11) Tert butyl alcohol	3.06	59	198016	278.957	ug/l	98
12) 1,1-Dichloroethene	2.34	96	145962	50.823	ug/l	97
13) Acrolein	2.28	56	102994	215.851	ug/l	99
14) Allyl chloride	2.70	41	232999	51.787	ug/l	98
15) Acrylonitrile	3.12	53	437289	261.215	ug/l	99
16) Acetone	2.43	43	409687	282.444	ug/l	99
17) Carbon Disulfide	2.53	76	387405	50.211	ug/l	100
18) Methyl Acetate	2.75	43	183856	51.674	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	549121	55.391	ug/l	99
20) Methylene Chloride	2.82	84	175019	48.276	ug/l	99
21) trans-1,2-Dichloroethene	3.13	96	170329	52.345	ug/l	96
22) Diisopropyl ether	3.83	45	482304	51.819	ug/l	91
23) Vinyl Acetate	3.78	43	2114853	270.893	ug/l	99
24) 1,1-Dichloroethane	3.66	63	294709	51.767	ug/l	100
25) 2-Butanone	4.64	43	593967	272.595	ug/l	98
26) 2,2-Dichloropropane	4.54	77	274743	55.290	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	198969	53.232	ug/l	98
28) Bromochloromethane	4.97	49	123306	45.303	ug/l	97
29) Tetrahydrofuran	5.09	42	356303	256.284	ug/l	98
30) Chloroform	5.17	83	310230	52.115	ug/l	98
31) Cyclohexane	5.54	56	246318	50.492	ug/l	96
32) 1,1,1-Trichloroethane	5.45	97	276066	53.988	ug/l	99
36) 1,1-Dichloropropene	5.76	75	230850	51.683	ug/l	99
37) Ethyl Acetate	4.80	43	221138	52.736	ug/l	99
38) Carbon Tetrachloride	5.74	117	236809	54.773	ug/l	97

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Quant Time: Nov 24 03:49:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	266576	51.257	ug/l	98
40) Benzene	6.10	78	698407	50.890	ug/l	100
41) Methacrylonitrile	5.01	41	118370	51.190	ug/l	98
42) 1,2-Dichloroethane	6.15	62	242541	51.561	ug/l	99
43) Isopropyl Acetate	6.42	43	371031	52.636	ug/l	99
44) Trichloroethene	7.18	130	188666	52.483	ug/l	97
45) 1,2-Dichloropropane	7.49	63	172308	51.000	ug/l	99
46) Dibromomethane	7.63	93	121714	52.636	ug/l	99
47) Bromodichloromethane	7.87	83	240568	53.614	ug/l	98
48) Methyl methacrylate	7.74	41	180949	54.813	ug/l	100
49) 1,4-Dioxane	7.72	88	87871	1172.320	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	1111252	270.348	ug/l	99
52) Toluene	8.76	92	436746	52.021	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	273390	56.416	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	297433	55.307	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	177764	51.990	ug/l	98
56) Ethyl methacrylate	9.16	69	279778	57.827	ug/l	99
57) 1,3-Dichloropropane	9.35	76	297281	51.931	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	745323	262.903	ug/l	98
59) 2-Hexanone	9.48	43	886484	284.362	ug/l	99
60) Dibromochloromethane	9.56	129	190614	56.915	ug/l	98
61) 1,2-Dibromoethane	9.65	107	187989	53.338	ug/l	99
64) Tetrachloroethene	9.32	164	156212	47.325	ug/l	96
65) Chlorobenzene	10.12	112	459148	53.180	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	174731	55.639	ug/l	99
67) Ethyl Benzene	10.23	91	818837	54.138	ug/l	97
68) m/p-Xylenes	10.34	106	625324	110.971	ug/l	99
69) o-Xylene	10.68	106	300657	55.815	ug/l	100
70) Styrene	10.70	104	517805	51.867	ug/l	99
71) Bromoform	10.84	173	142779	53.405	ug/l	99
73) Isopropylbenzene	11.00	105	792943	53.277	ug/l	99
74) N-amyl acetate	10.88	43	330320	59.229	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	287608	54.037	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	254283m	54.158	ug/l	
77) Bromobenzene	11.24	156	202353	53.258	ug/l	99
78) n-propylbenzene	11.34	91	902412	52.853	ug/l	99
79) 2-Chlorotoluene	11.40	91	554125	53.514	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	676253	54.164	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	98442	56.068	ug/l	98
82) 4-Chlorotoluene	11.49	91	650941	53.401	ug/l	100
83) tert-Butylbenzene	11.76	119	661032	54.726	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	686391	54.334	ug/l	99
85) sec-Butylbenzene	11.93	105	757790	52.735	ug/l	100
86) p-Isopropyltoluene	12.05	119	706704	54.167	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	368744	52.846	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	379478	52.797	ug/l	100
89) n-Butylbenzene	12.37	91	625611	53.041	ug/l	98
90) Hexachloroethane	12.58	117	118787	54.411	ug/l	98
91) 1,2-Dichlorobenzene	12.37	146	369085	52.665	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	63844	58.798	ug/l	99

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VSTDCCC050

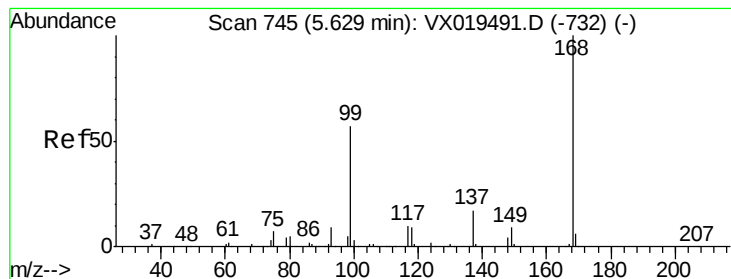
Manual Integrations
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11/24/2020 1:09:54 PM

Quant Time: Nov 24 03:49:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	242666	53.933	ug/l	99
94) Hexachlorobutadiene	13.76	225	101678	49.607	ug/l	98
95) Naphthalene	13.82	128	843678	53.026	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	250581	55.678	ug/l	98

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



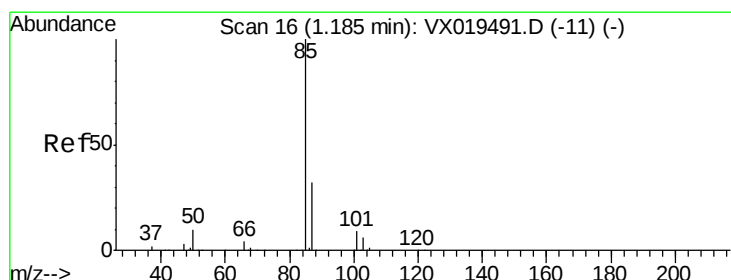
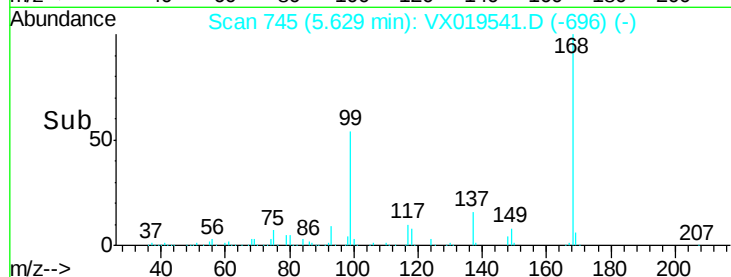
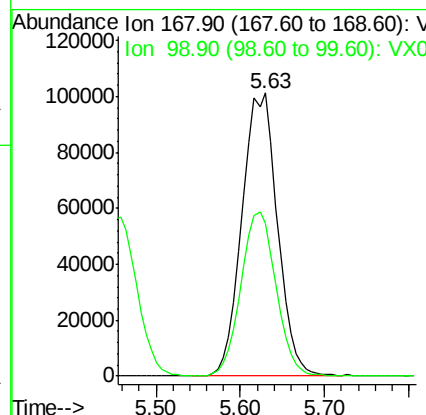
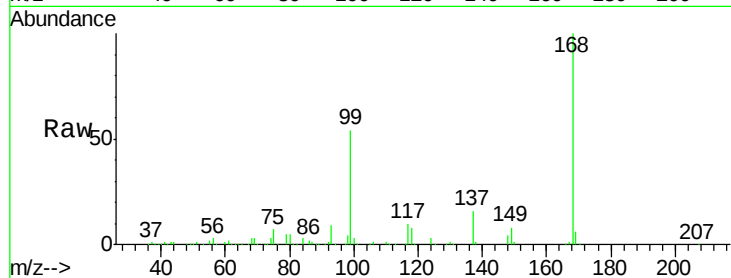
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	289284		
99	53.9	45.8	68.6	

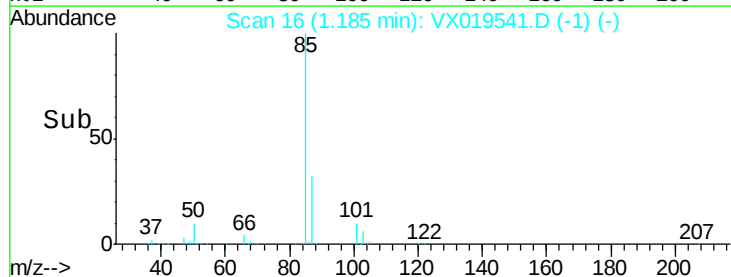
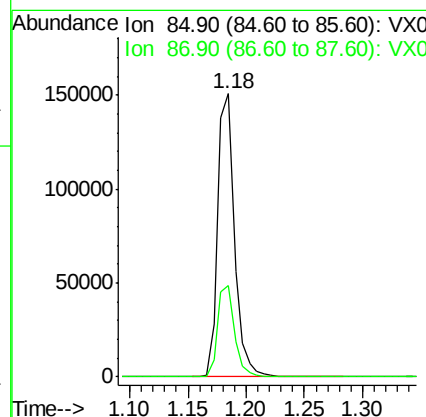
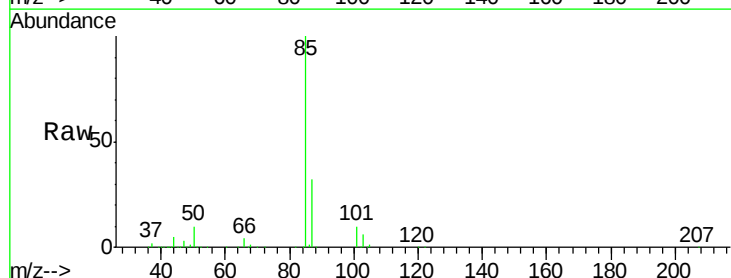
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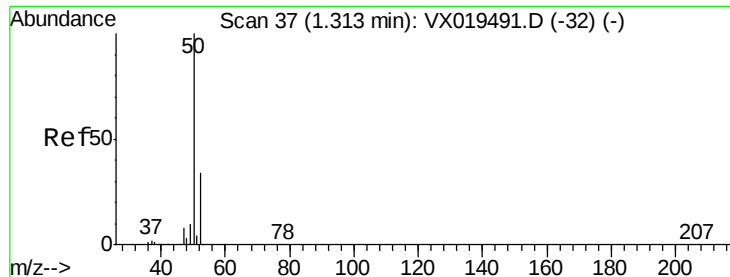
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#2
Dichlorodifluoromethane
Concen: 52.744 ug/l
RT: 1.18 min Scan# 16
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	148376		
87	32.3	16.0	47.9	





#3

Chloromethane

Concen: 44.666 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 144190

Ion Ratio Lower Upper

50 100

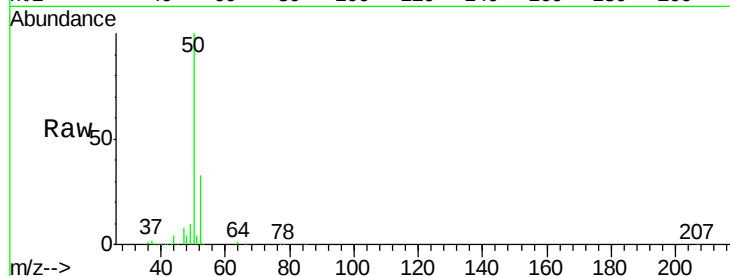
52 33.0 27.0 40.6

Manual Integrations

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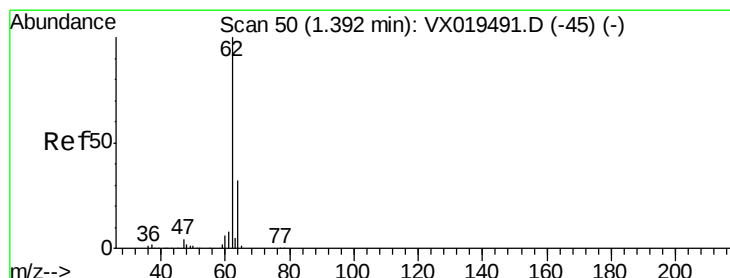
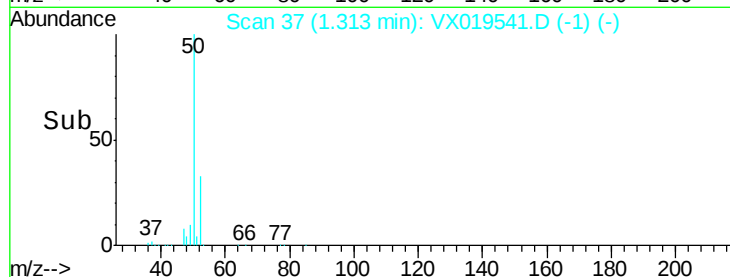
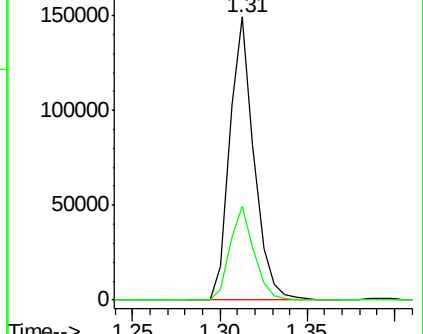
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.722 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019541.D

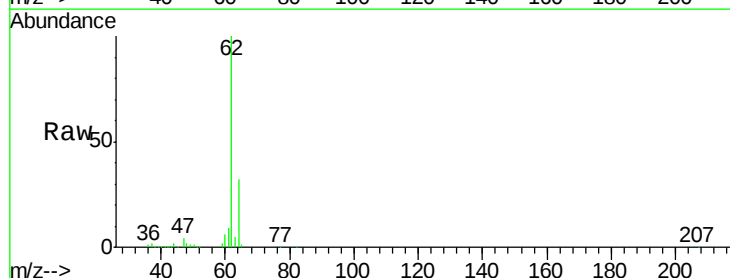
Acq: 23 Nov 2020 10:35

Tgt Ion: 62 Resp: 172785

Ion Ratio Lower Upper

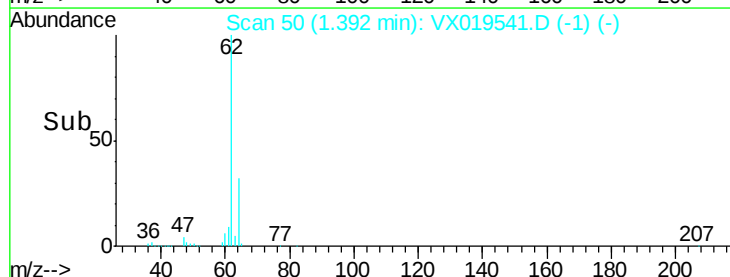
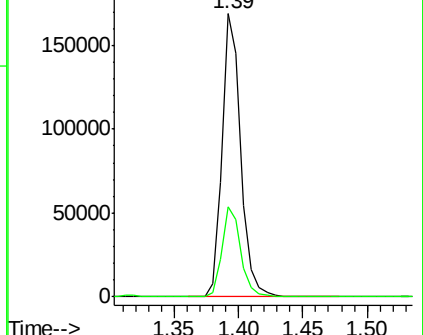
62 100

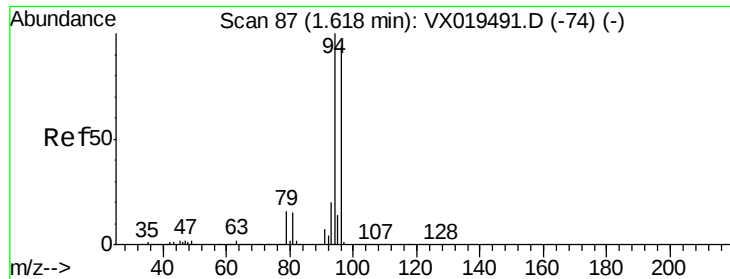
64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 41.112 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 54113

Ion Ratio Lower Upper

94 100

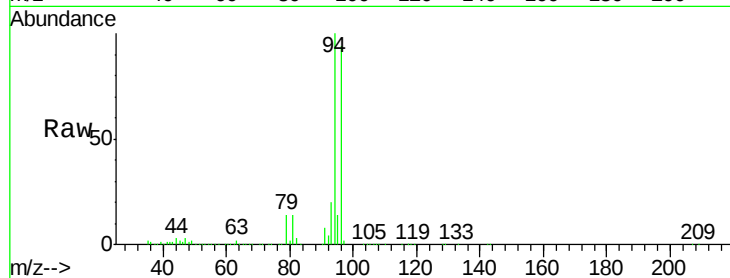
96 93.6 75.6 113.4

Manual Integrations

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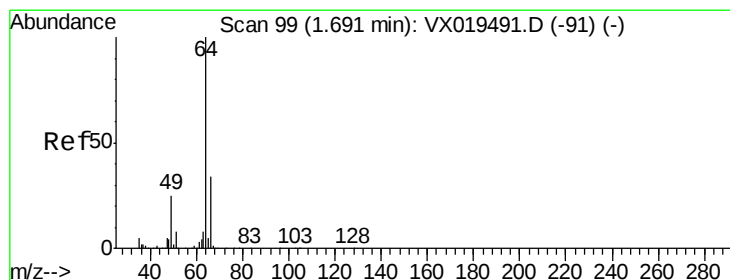
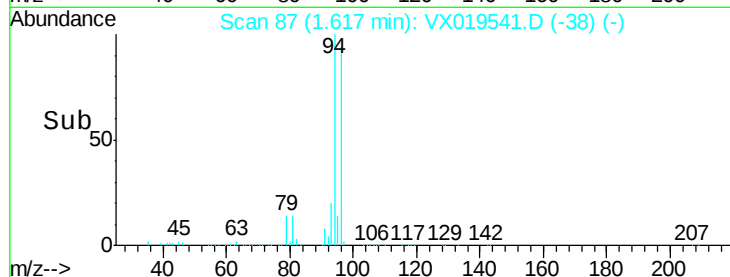
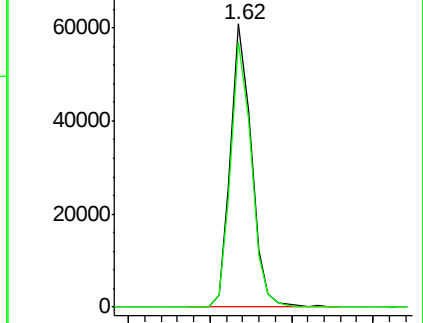
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 39.983 ug/l

RT: 1.68 min Scan# 98

Delta R.T. -0.01 min

Lab File: VX019541.D

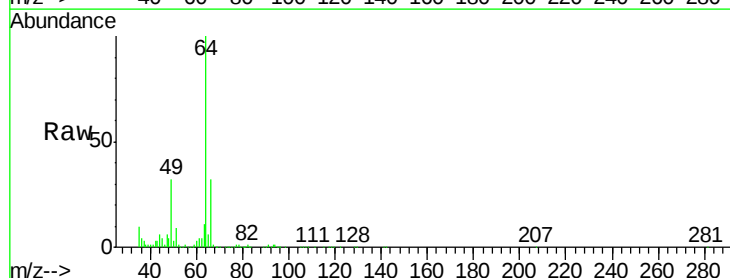
Acq: 23 Nov 2020 10:35

Tgt Ion: 64 Resp: 34566

Ion Ratio Lower Upper

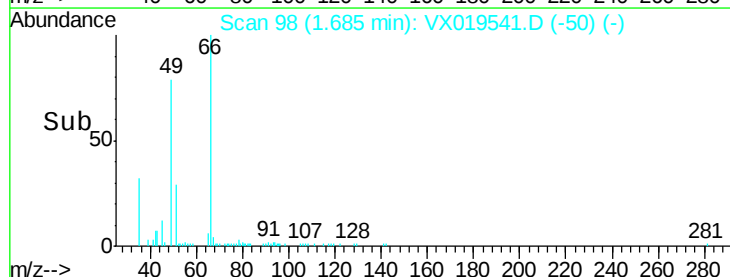
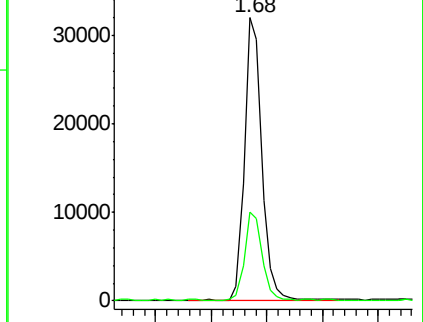
64 100

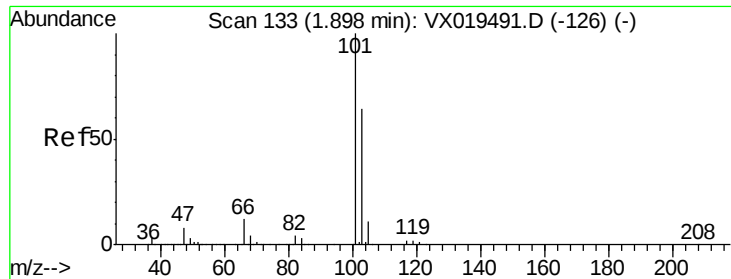
66 31.4 27.1 40.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

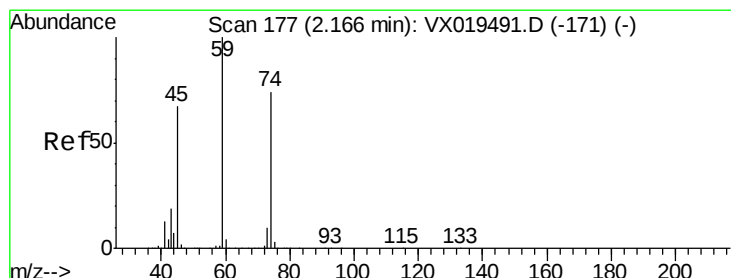
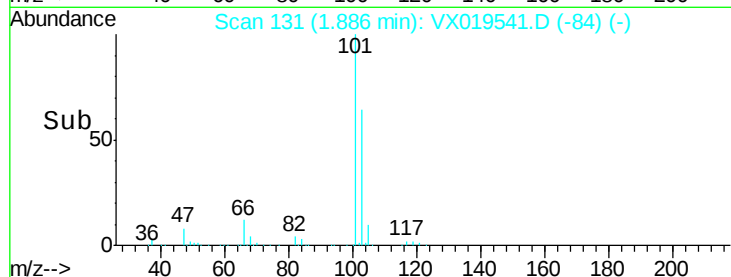
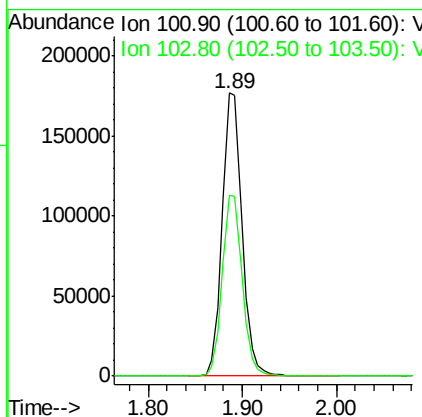
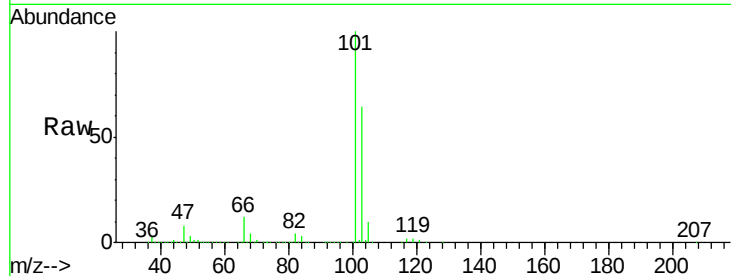
Trichlorofluoromethane
Concen: 51.507 ug/l
RT: 1.89 min Scan# 131
Delta R.T. -0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.9	76.3

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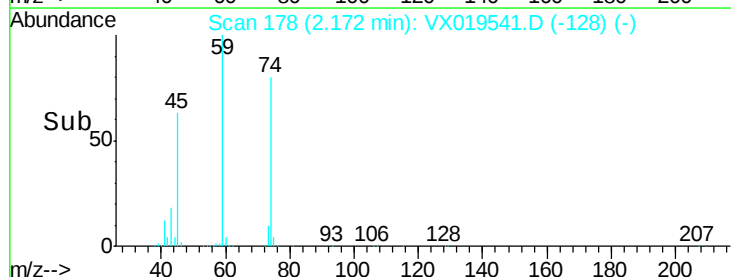
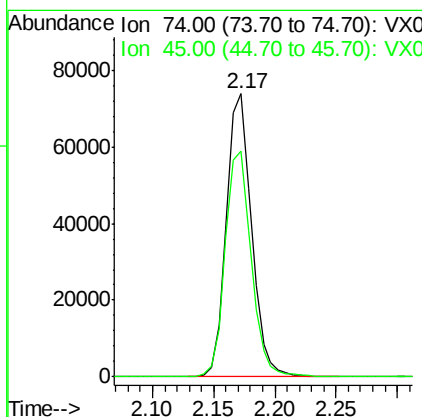
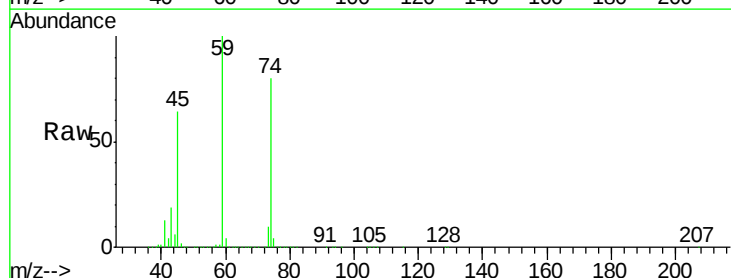
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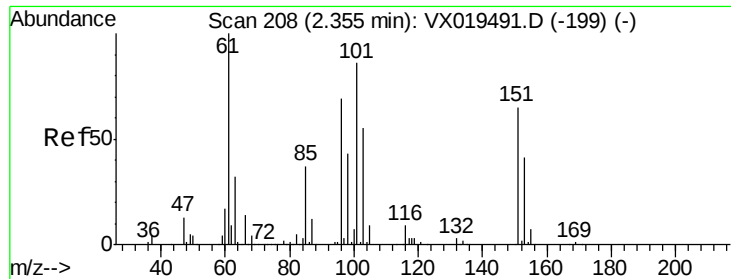


#8

Diethyl Ether
Concen: 52.354 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.9	44.4	133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.185 ug/l

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

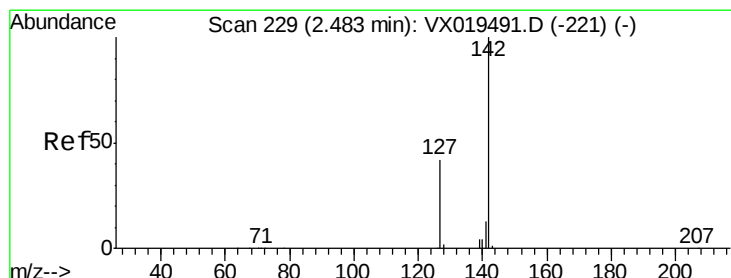
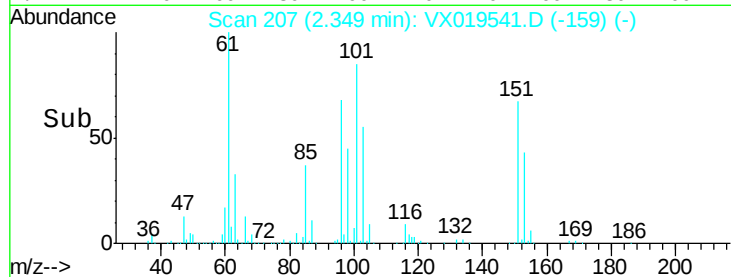
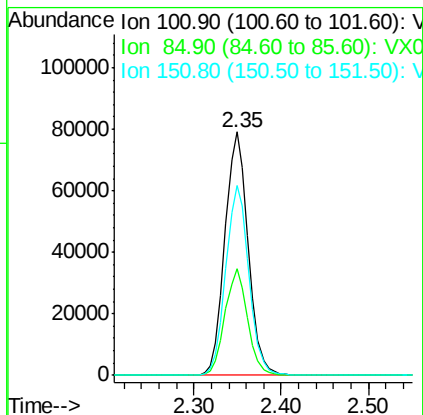
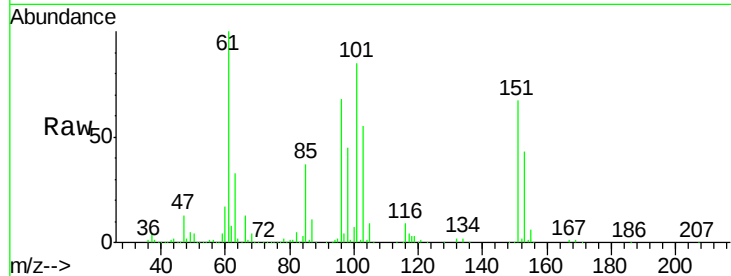
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	146021
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.9	50.9
151	77.8	60.9	91.3

Manual Integrations
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#10

Methyl Iodide

Concen: 46.786 ug/l

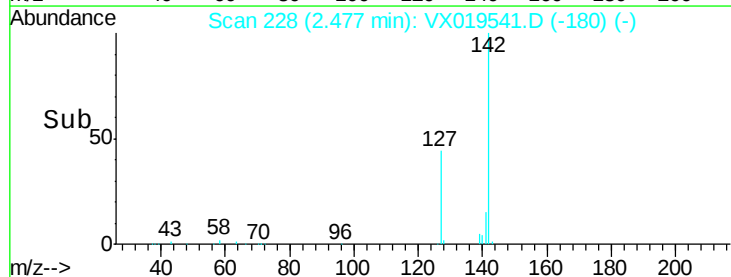
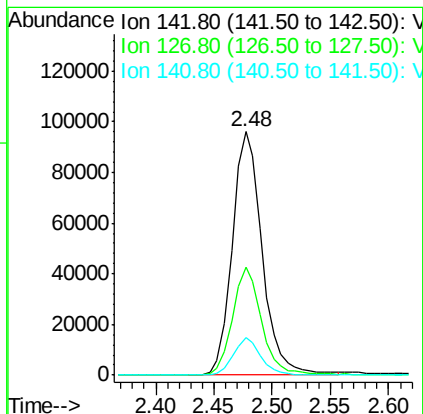
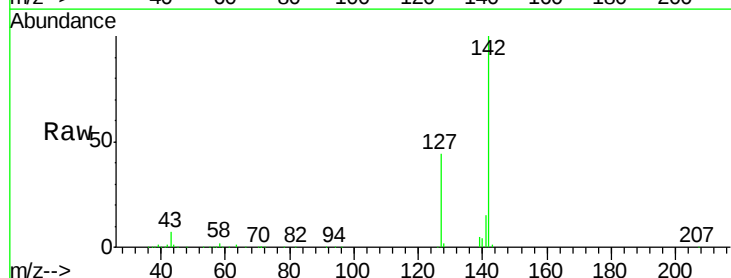
RT: 2.48 min Scan# 228

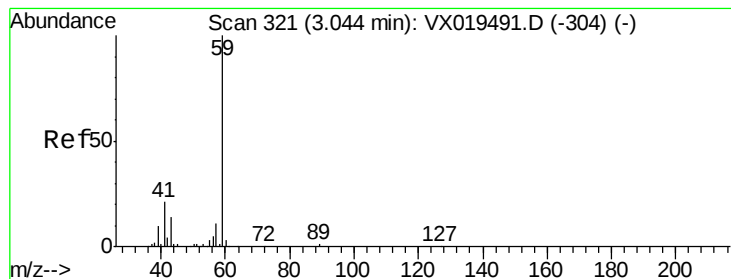
Delta R.T. -0.01 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Tgt Ion:	142	Resp:	171985
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.8	50.6
141	14.3	11.0	16.6





#11

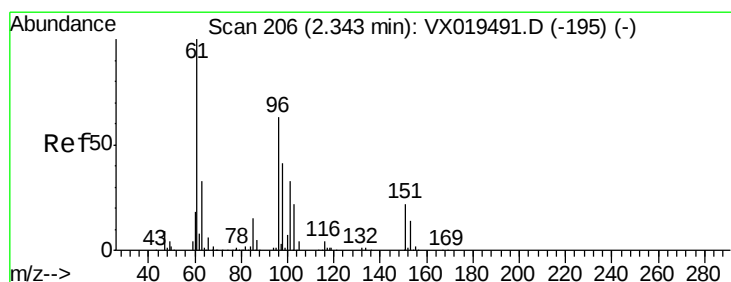
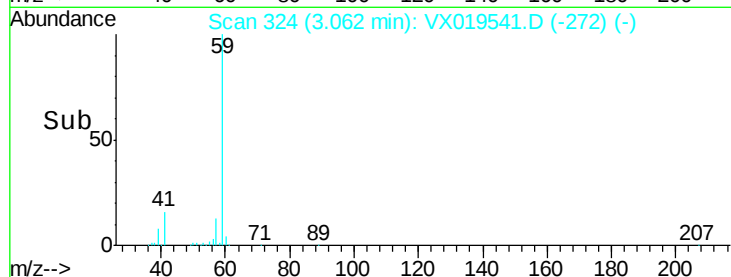
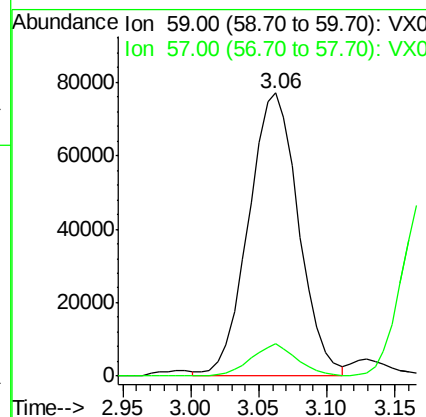
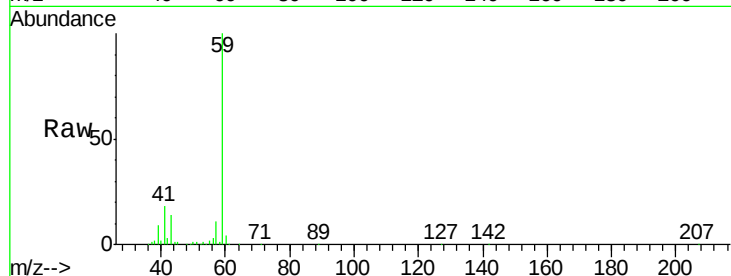
Tert butyl alcohol
Concen: 278.957 ug/l
RT: 3.06 min Scan# 324
Delta R.T. 0.02 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	198016		
57	57	10.6		7.9	11.9

Manual Integrations
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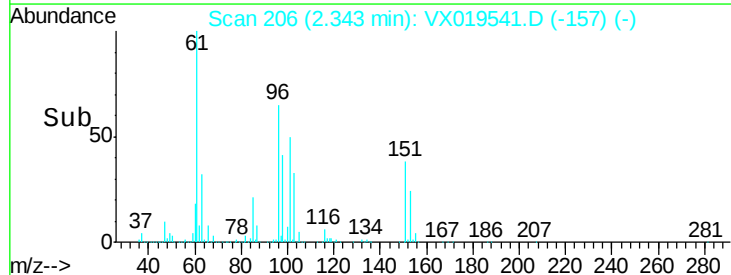
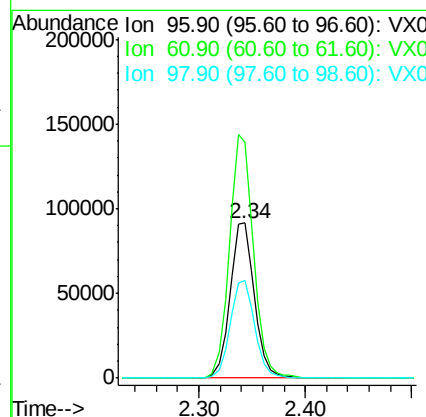
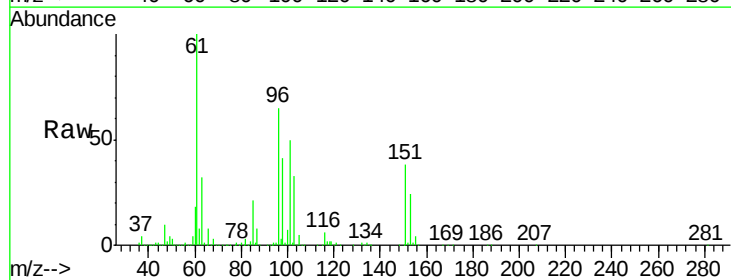
MMDadoda
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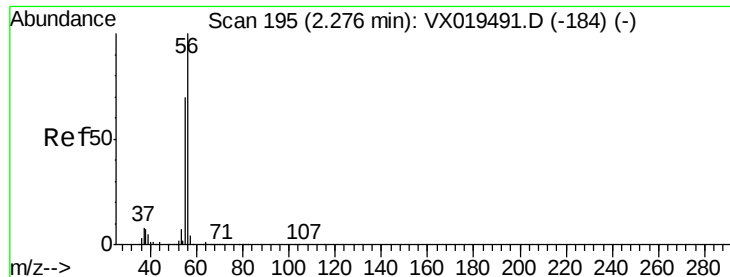


#12

1,1-Dichloroethene
Concen: 50.823 ug/l
RT: 2.34 min Scan# 206
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	145962		
61	61	152.8		126.0	189.0
98	98	63.0		52.0	78.0





#13

Acrolein

Concen: 215.851 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 102994

Ion Ratio Lower Upper

56 100

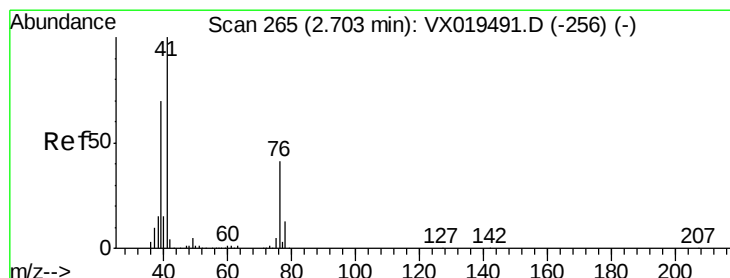
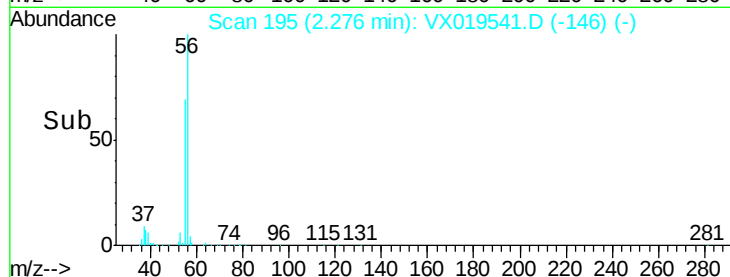
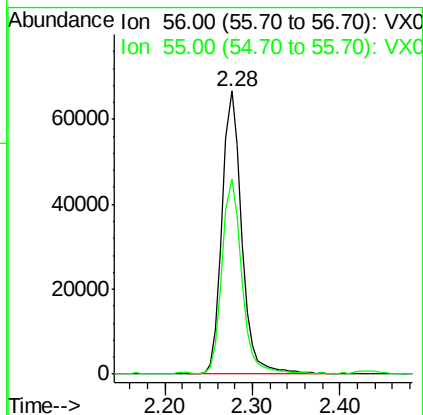
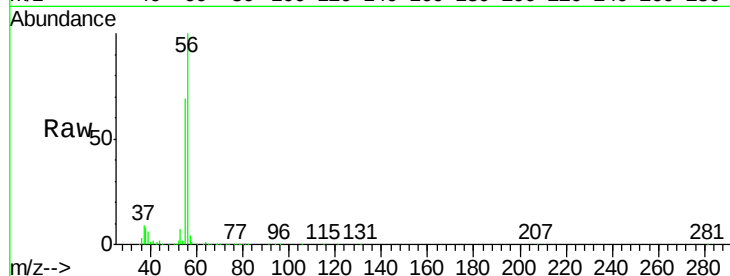
55 68.6 55.5 83.3

Manual Integrations

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#14

Allyl chloride

Concen: 51.787 ug/l

RT: 2.70 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

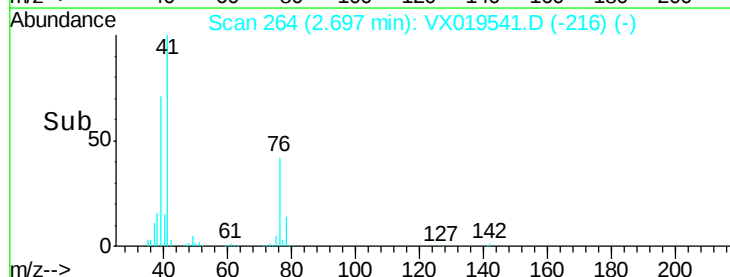
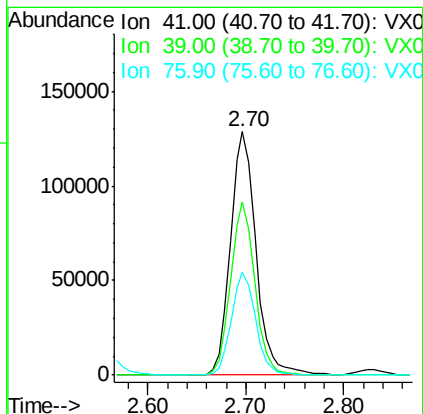
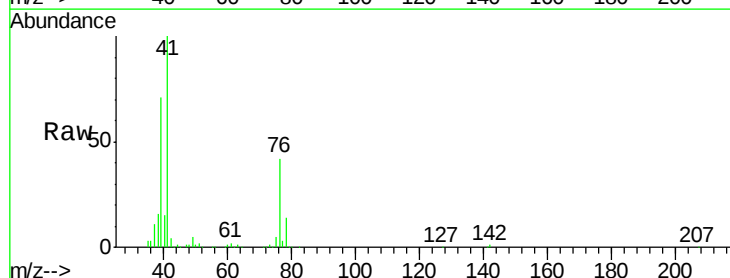
Tgt Ion: 41 Resp: 232999

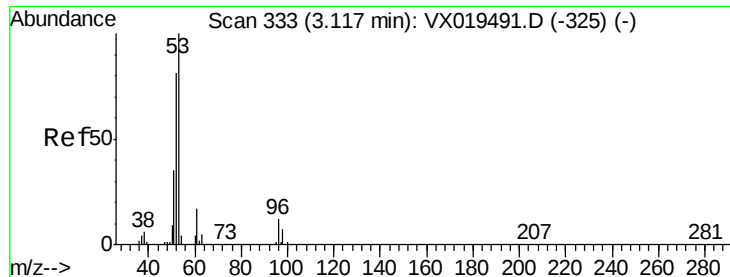
Ion Ratio Lower Upper

41 100

39 67.6 53.0 79.4

76 40.4 31.0 46.6





#15

Acrylonitrile

Concen: 261.215 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

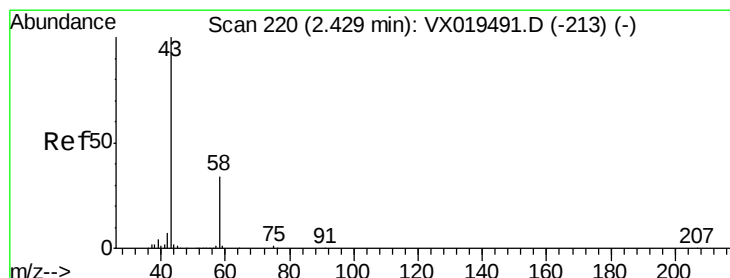
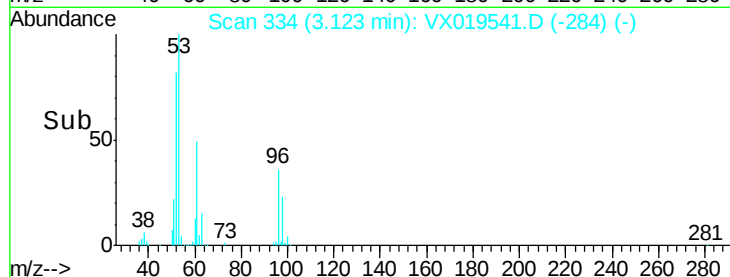
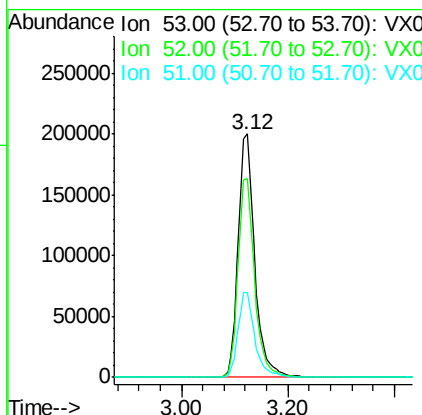
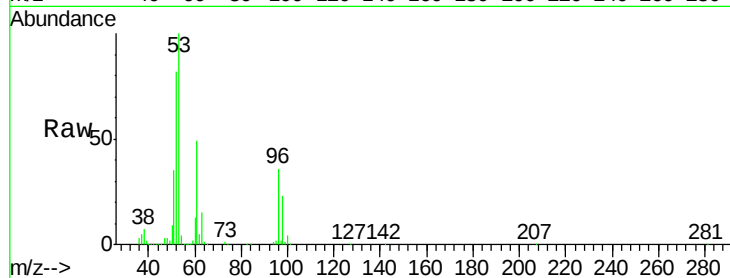
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	437289
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.2	99.2
51	34.6	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 282.444 ug/l

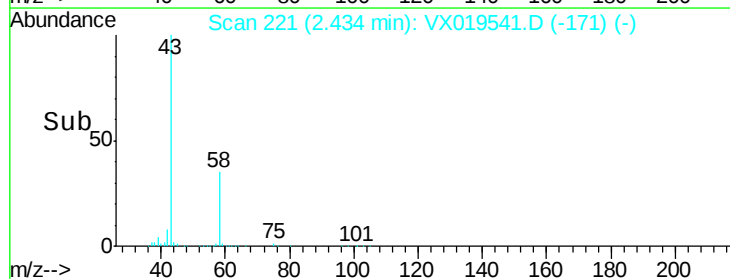
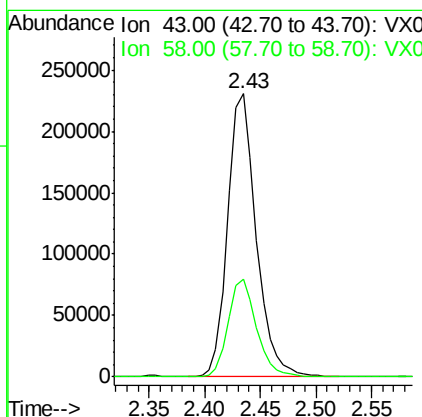
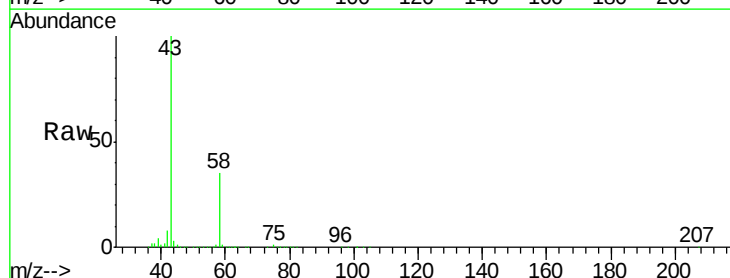
RT: 2.43 min Scan# 221

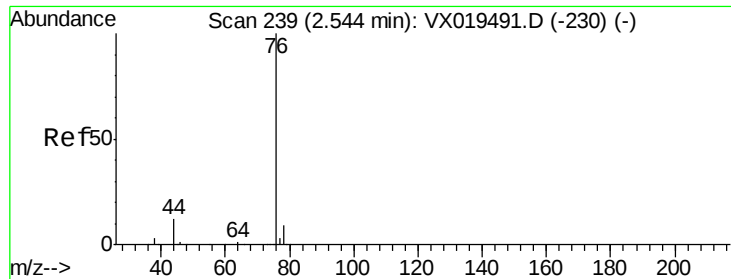
Delta R.T. 0.01 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Tgt Ion:	43	Resp:	409687
Ion Ratio	Lower	Upper	
43	100		
58	34.7	27.4	41.2





#17

Carbon Disulfide

Concen: 50.211 ug/l

RT: 2.53 min Scan# 237

Delta R.T. -0.01 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 387405

Ion Ratio Lower Upper

76 100

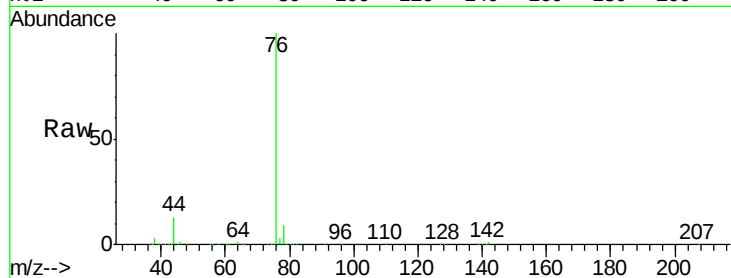
78 8.9 7.2 10.8

Manual Integrations

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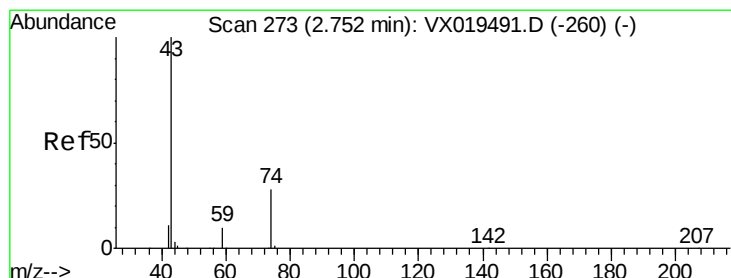
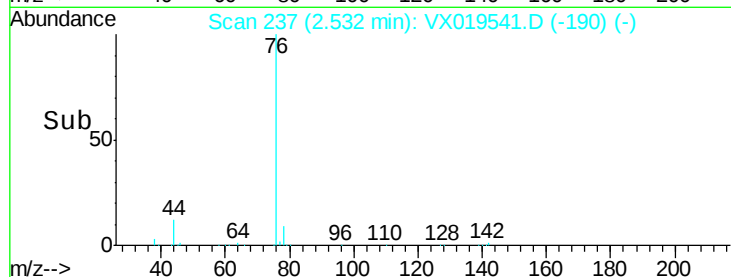
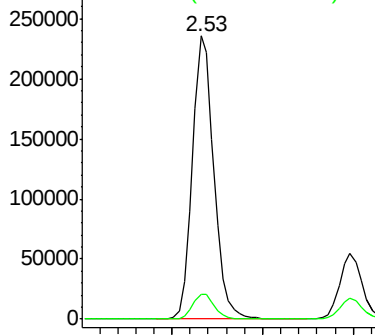
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.674 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019541.D

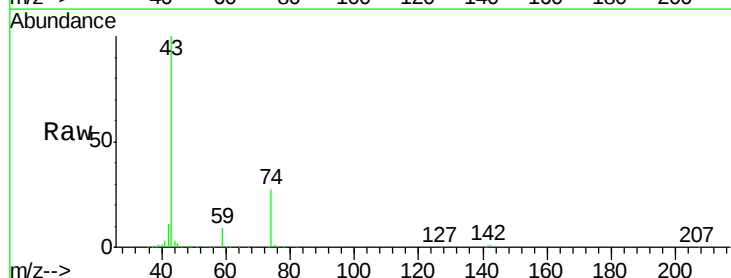
Acq: 23 Nov 2020 10:35

Tgt Ion: 43 Resp: 183856

Ion Ratio Lower Upper

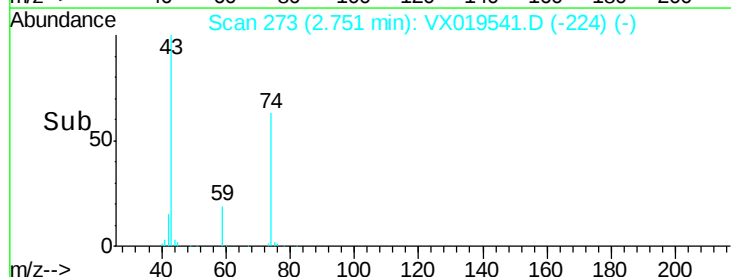
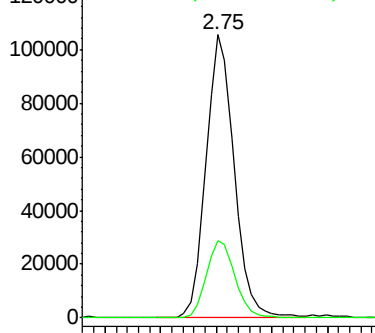
43 100

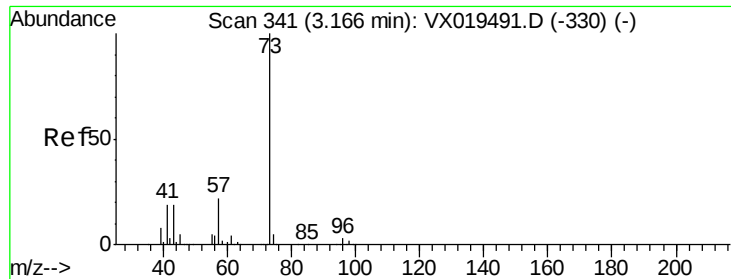
74 27.4 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





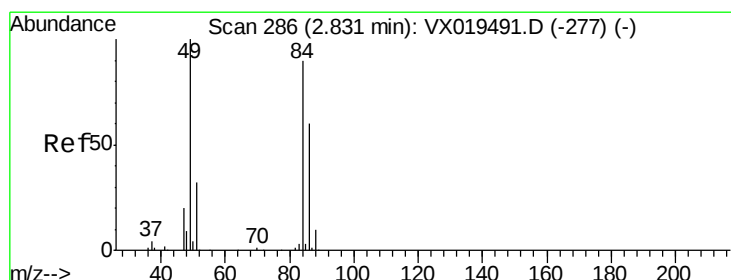
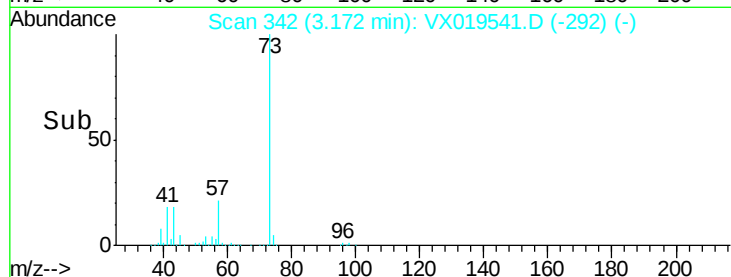
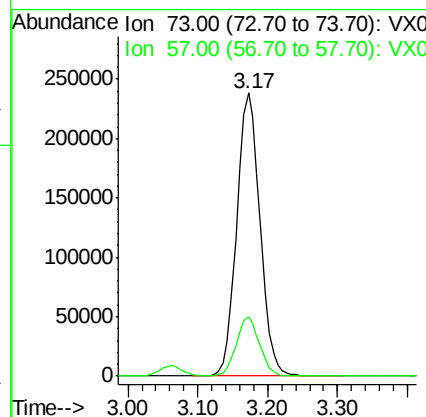
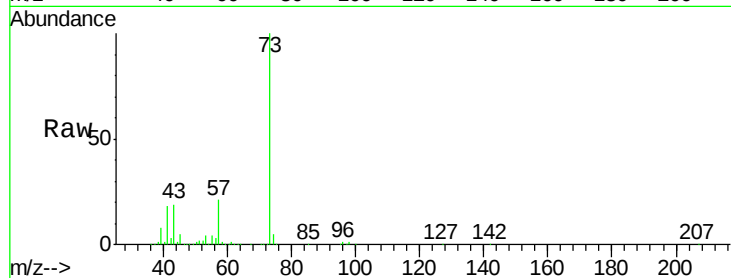
#19
Methyl tert-butyl Ether
Concen: 55.391 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 549121
Ion Ratio Lower Upper
73 100
57 21.0 17.3 25.9

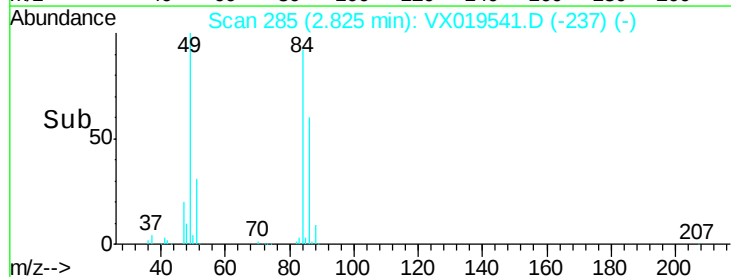
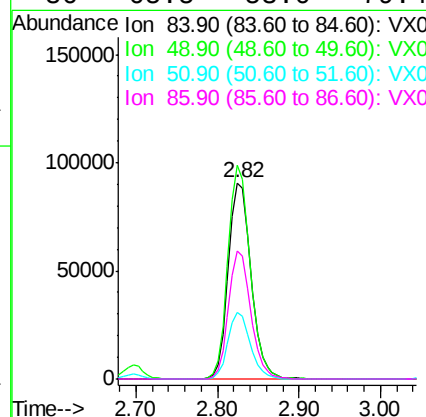
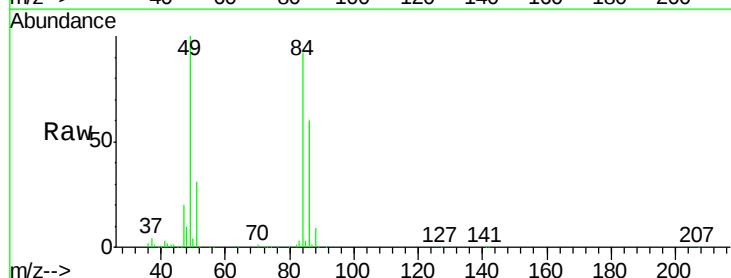
Manual Integrations
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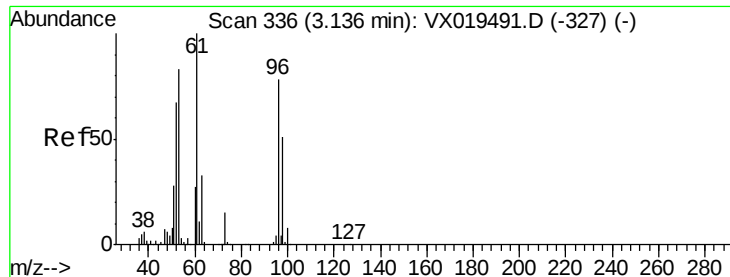
MMDadoda
11/24/2020 1:09:54 PM



#20
Methylene Chloride
Concen: 48.276 ug/l
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion: 84 Resp: 175019
Ion Ratio Lower Upper
84 100
49 108.7 88.5 132.7
51 34.2 28.0 42.0
86 65.5 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 52.345 ug/l

RT: 3.13 min Scan# 335

Delta R.T. -0.01 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 170329

Ion Ratio Lower Upper

96 100

61 134.9 102.9 154.3

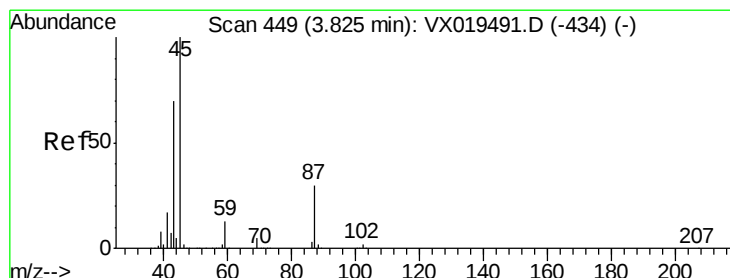
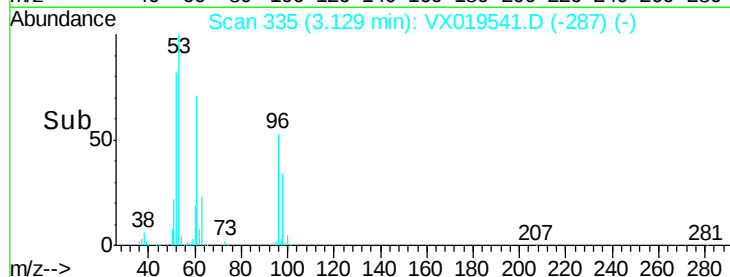
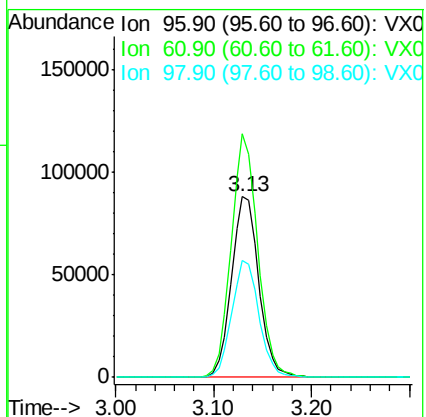
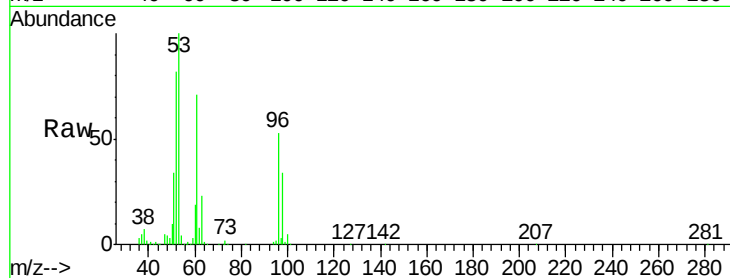
98 64.6 52.1 78.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.819 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Tgt Ion: 45 Resp: 482304

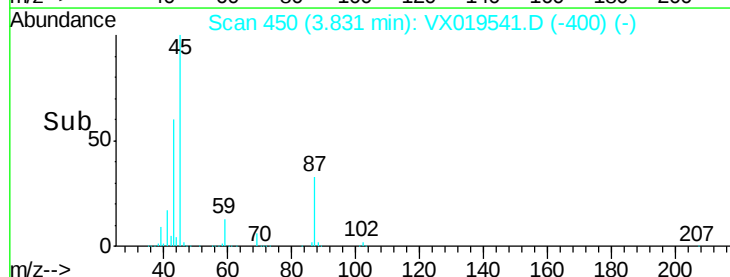
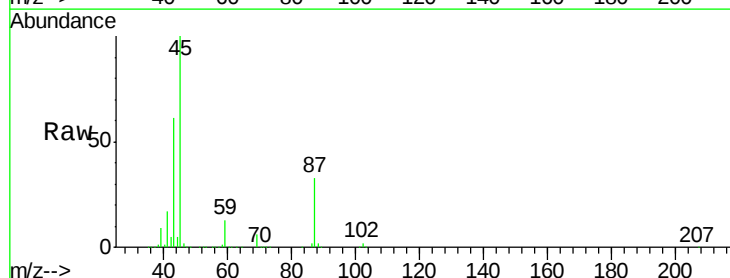
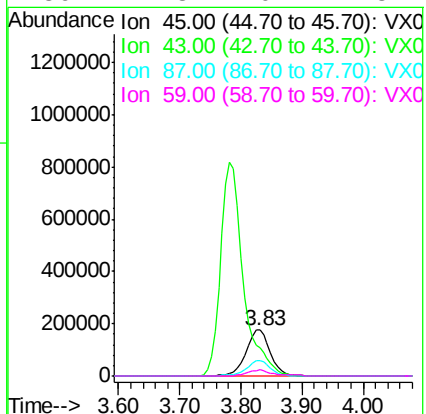
Ion Ratio Lower Upper

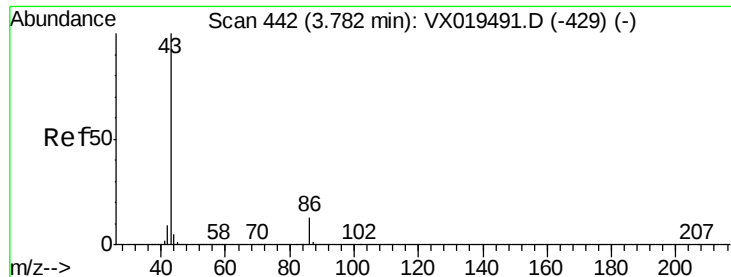
45 100

43 60.4 56.1 84.1

87 32.8 24.2 36.2

59 12.8 10.2 15.2





#23

Vinyl Acetate

Concen: 270.893 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2114853

Ion Ratio Lower Upper

43 100

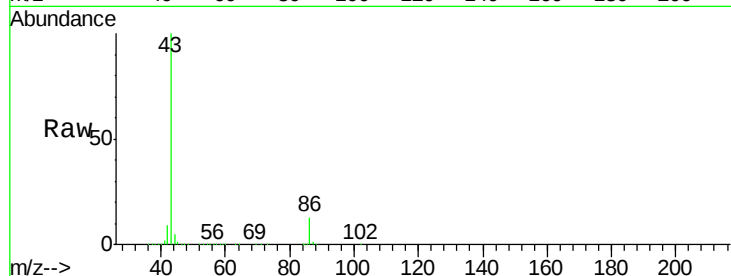
86 13.0 10.2 15.2

Manual Integrations

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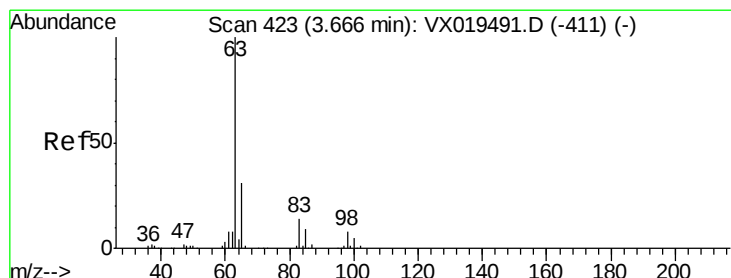
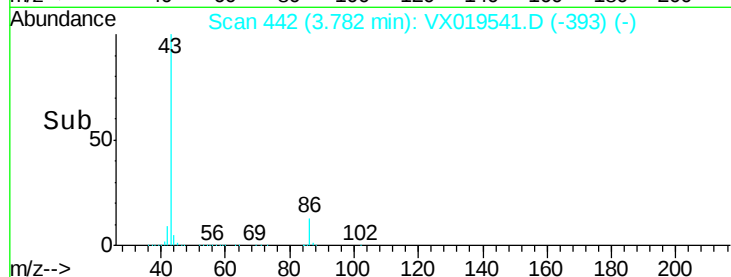
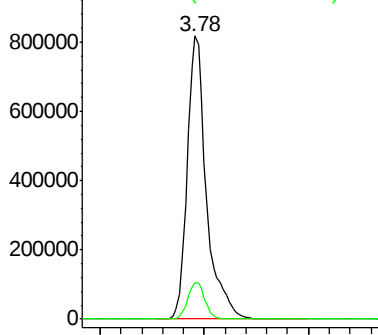
MMDadoda

11/24/2020 1:09:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.767 ug/l

RT: 3.66 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

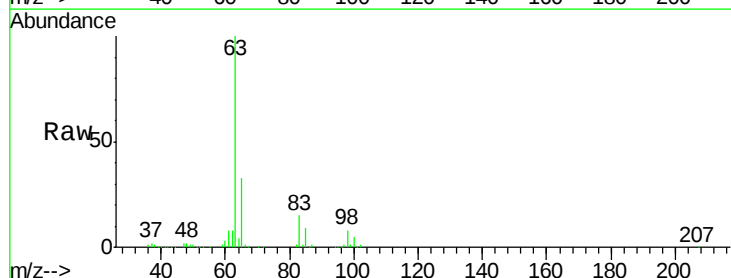
Tgt Ion: 63 Resp: 294709

Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.7

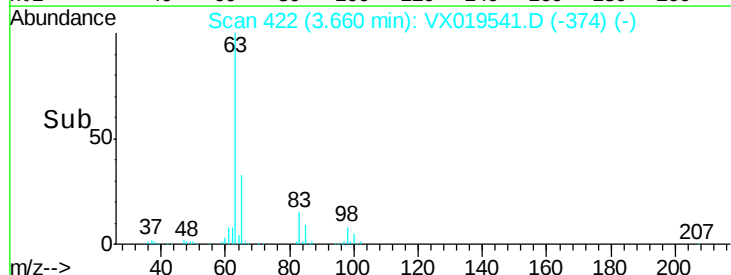
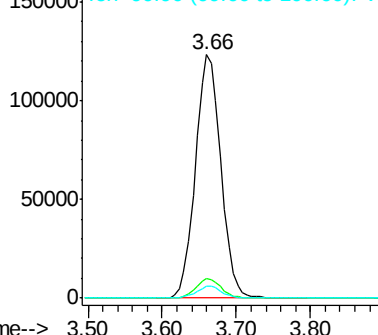
100 4.9 2.4 7.1

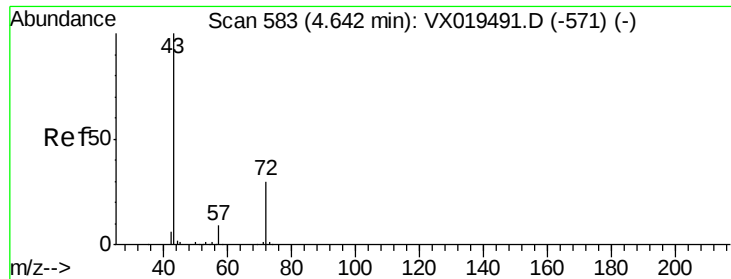


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 272.595 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 593967

Ion Ratio Lower Upper

43 100

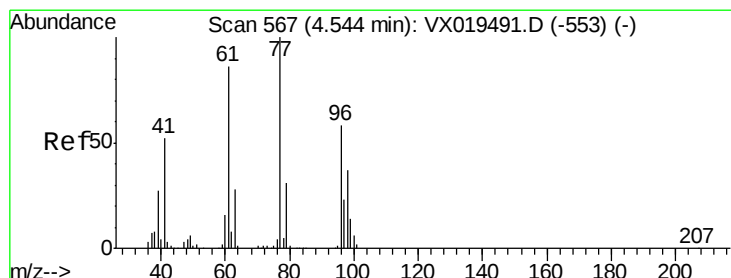
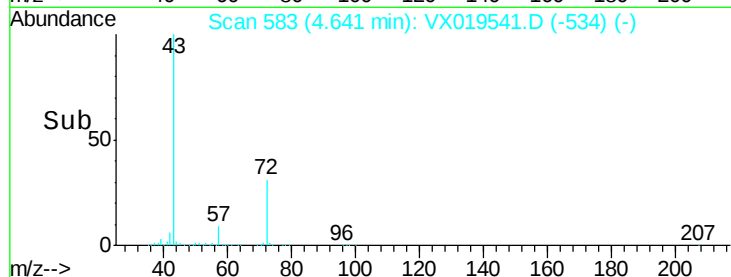
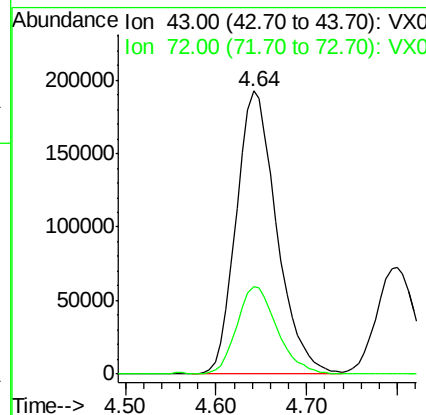
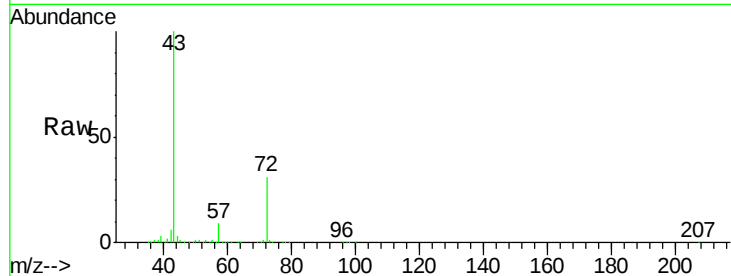
72 31.0 24.0 36.0

Manual Integrations

APPROVED

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11/24/2020 1:09:54 PM



#26

2,2-Dichloropropane

Concen: 55.290 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.00 min

Lab File: VX019541.D

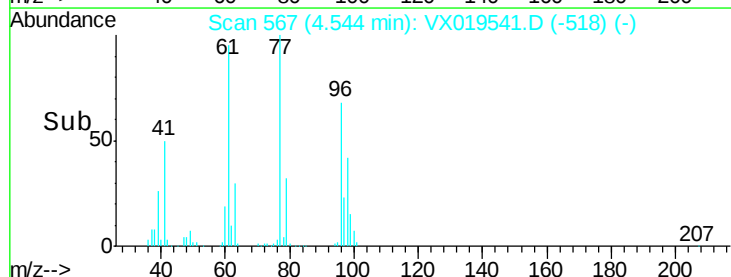
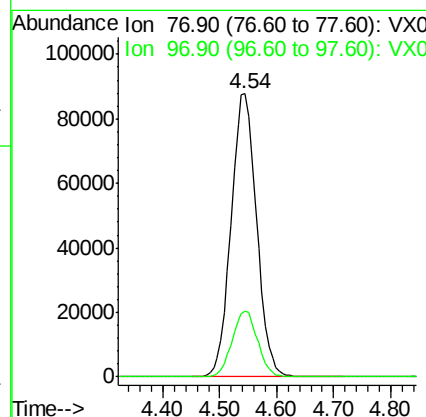
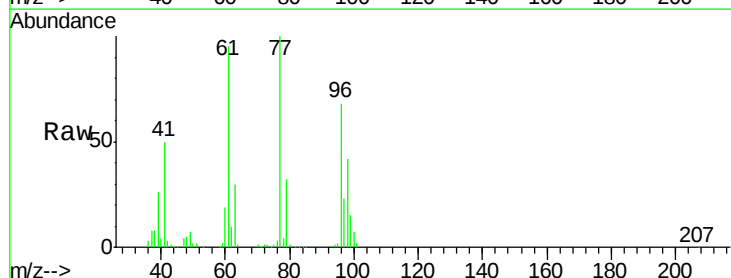
Acq: 23 Nov 2020 10:35

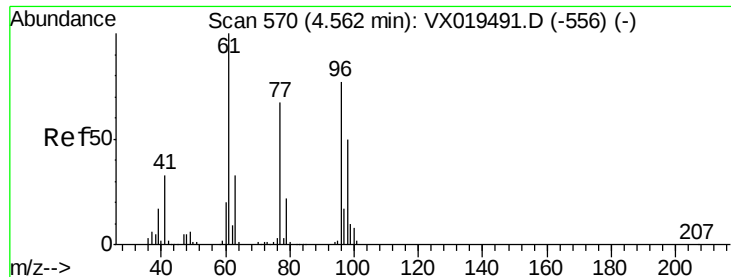
Tgt Ion: 77 Resp: 274743

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.8





#27

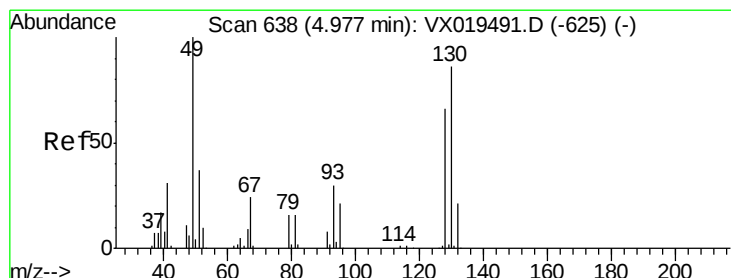
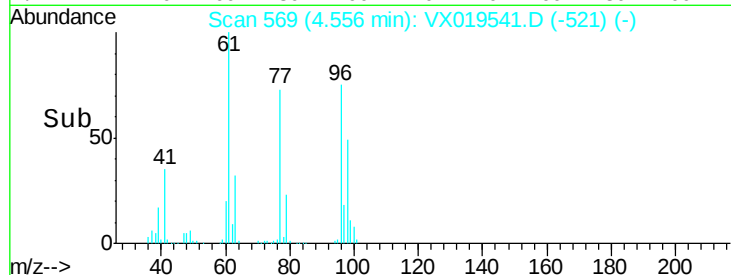
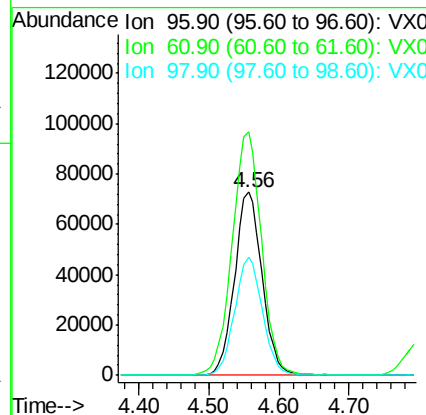
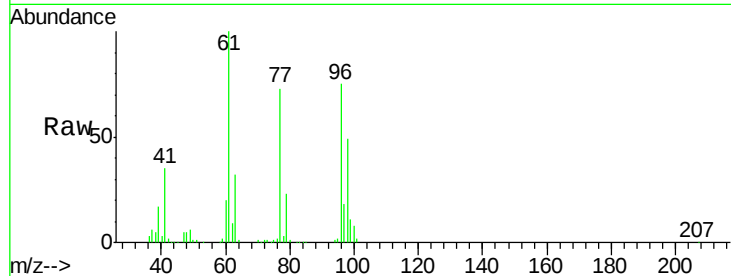
cis-1,2-Dichloroethene
Concen: 53.232 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.9	0.0	279.2	
98	64.8	0.0	129.8	

Manual Integrations
APPROVED

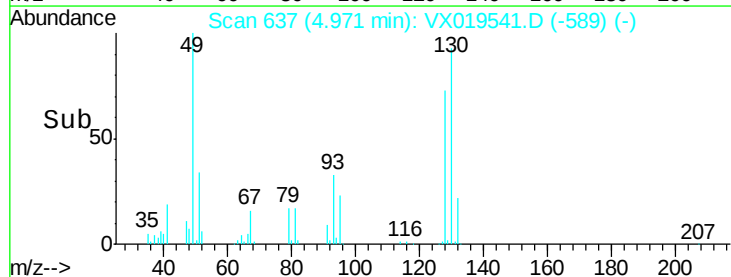
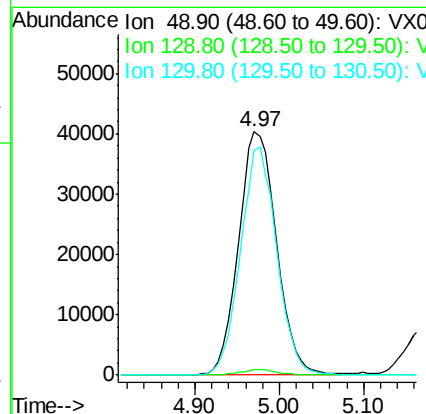
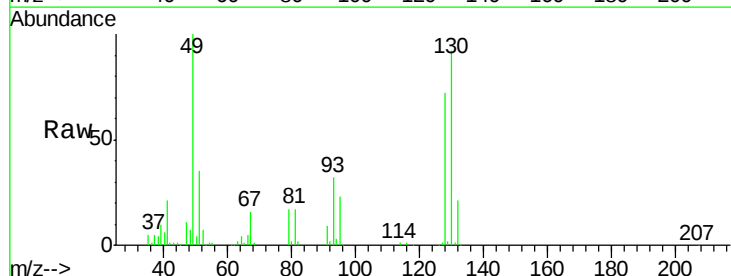
MMDadoda
11/24/2020 1:09:54 PM

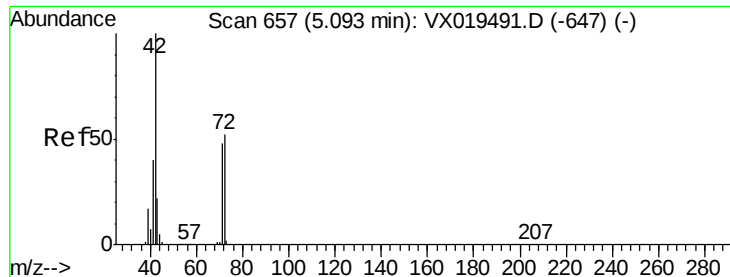


#28

Bromochloromethane
Concen: 45.303 ug/l
RT: 4.97 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.2	
130	89.5	69.0	103.6	





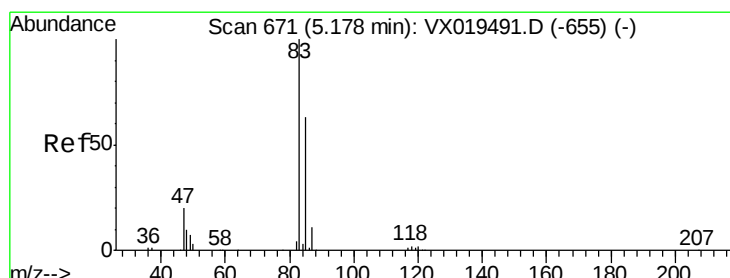
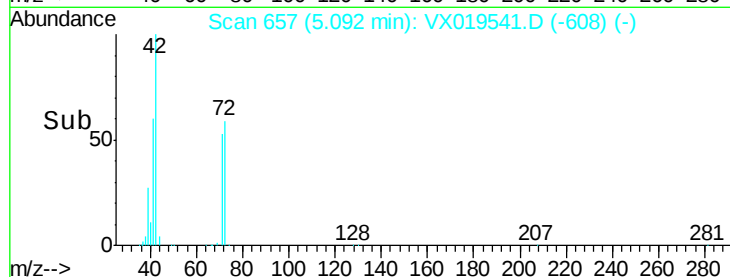
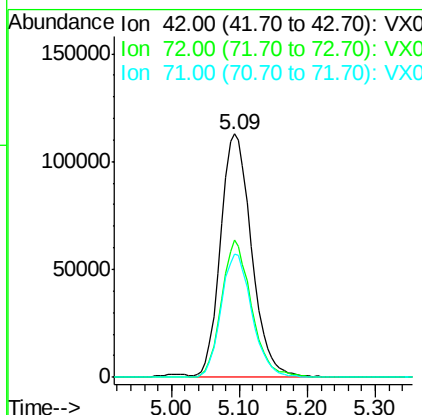
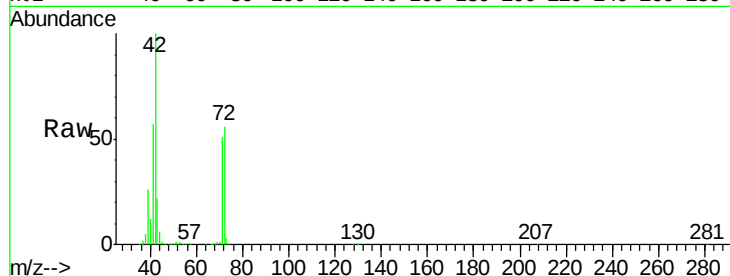
#29
Tetrahydrofuran
Concen: 256.284 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.6	42.6	63.8
71	50.6	39.0	58.6

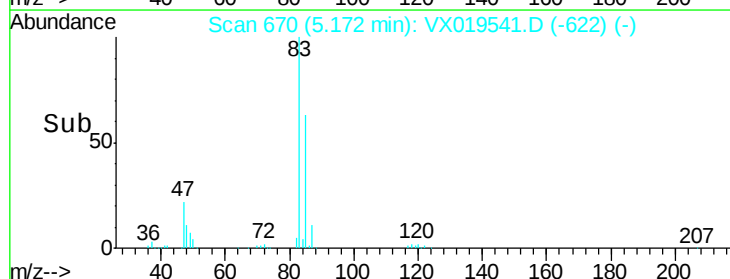
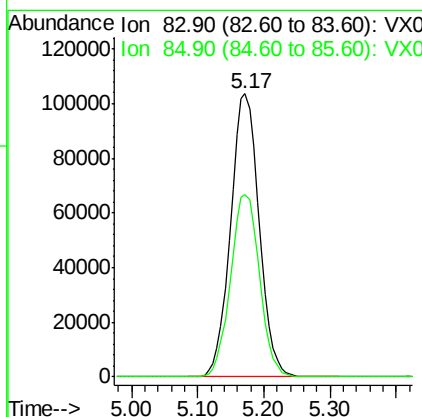
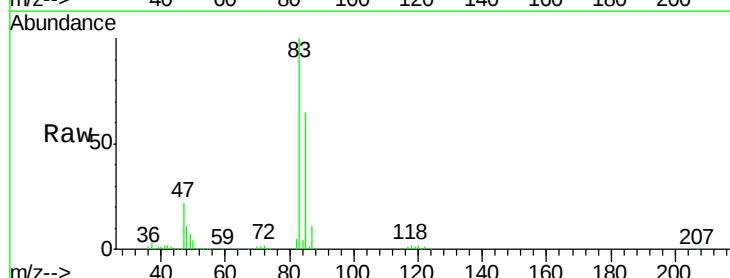
Manual Integrations
APPROVED

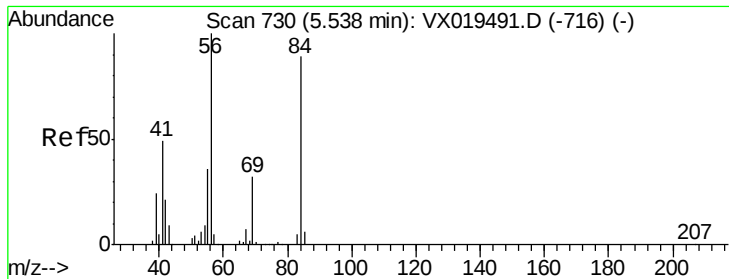
MMDadoda
11/24/2020 1:09:54 PM



#30
Chloroform
Concen: 52.115 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.5	75.7





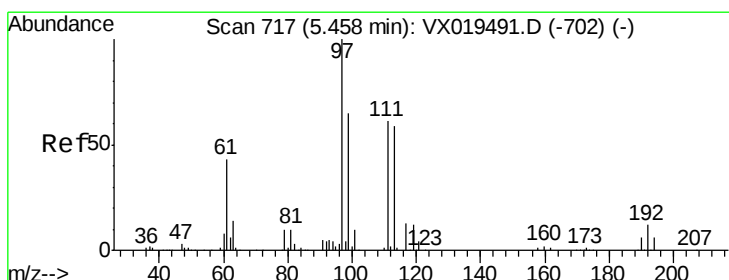
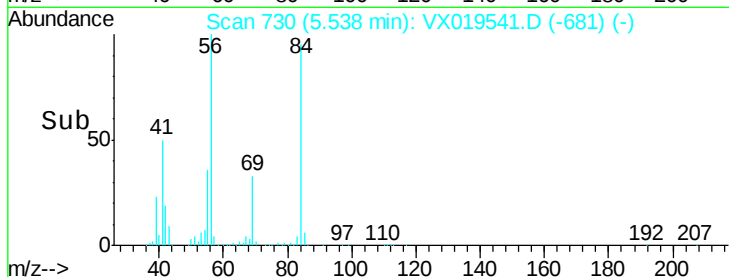
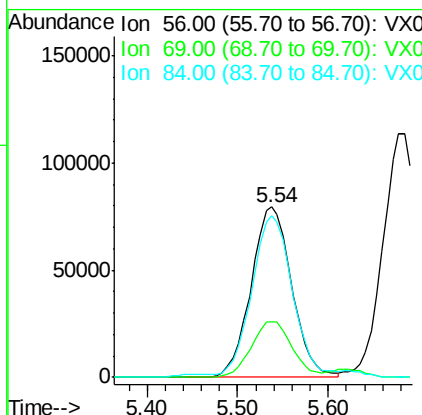
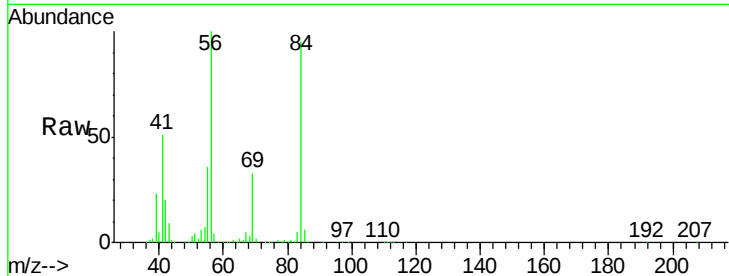
#31
Cyclohexane
Concen: 50.492 ug/l
RT: 5.54 min Scan# 730
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.5	38.3
84	93.0	71.1	106.7

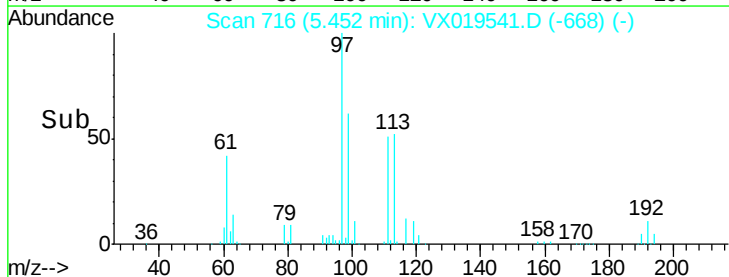
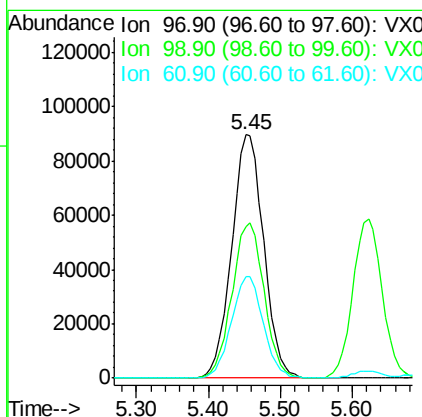
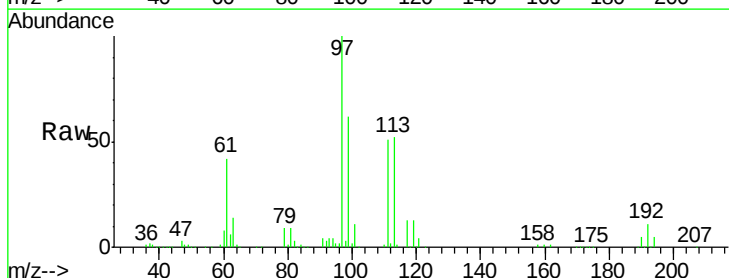
Manual Integrations
APPROVED

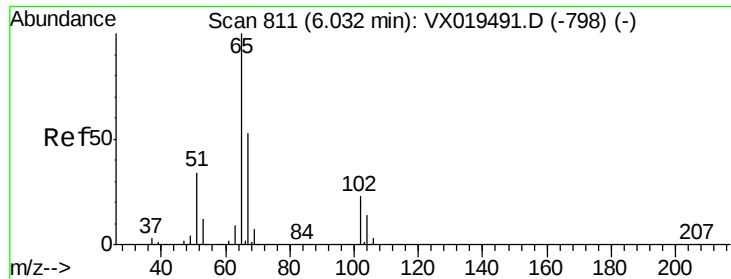
MMDadoda
11/24/2020 1:09:54 PM



#32
1,1,1-Trichloroethane
Concen: 53.988 ug/l
RT: 5.45 min Scan# 716
Delta R.T. -0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	41.8	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 46.409 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 174073

Ion Ratio Lower Upper

65 100

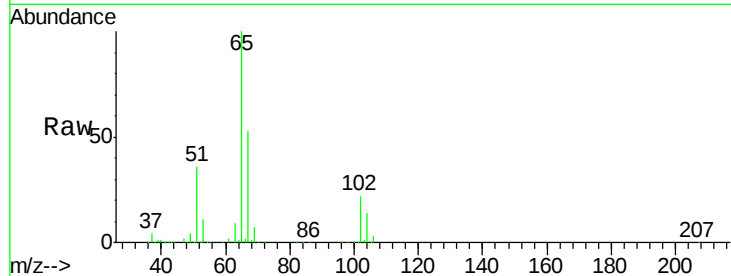
67 53.1 0.0 105.0

Manual Integrations

APPROVED

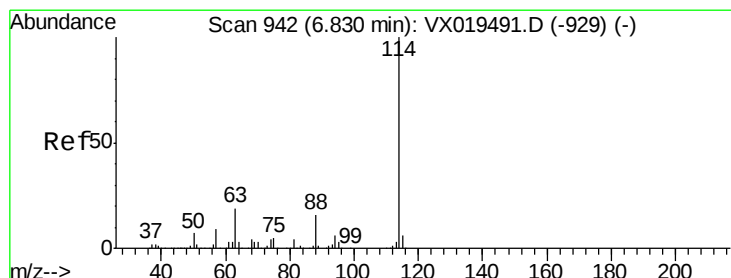
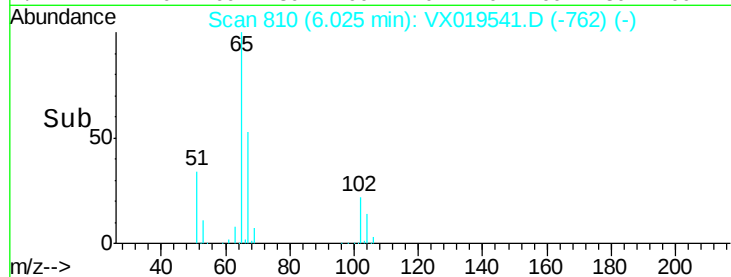
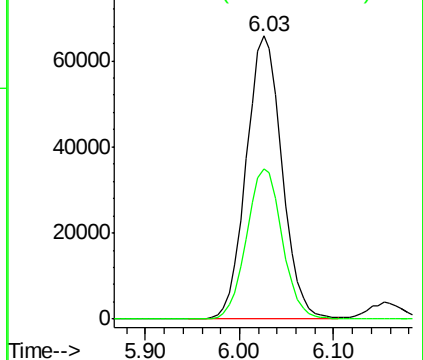
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Abundance Ion 64.90 (64.60 to 65.60): VX0

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: VX019541.D

Acq: 23 Nov 2020 10:35

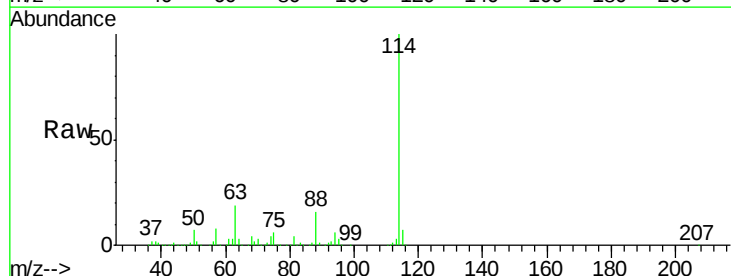
Tgt Ion: 114 Resp: 476445

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.8

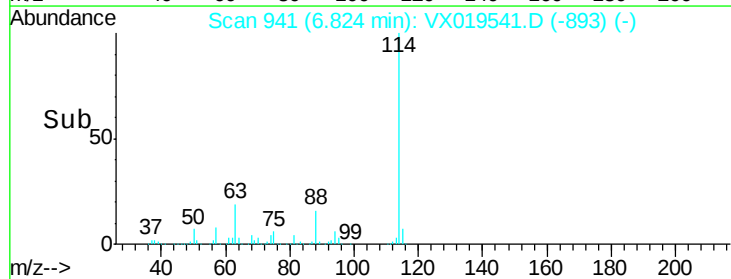
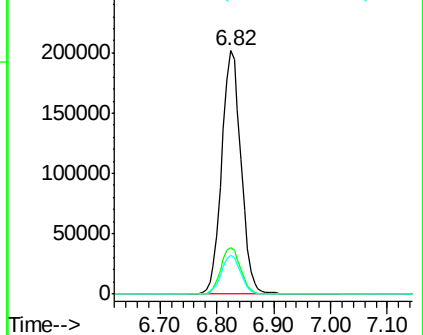
88 15.8 0.0 31.6

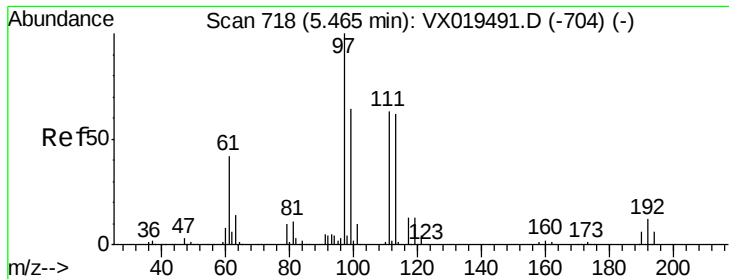


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





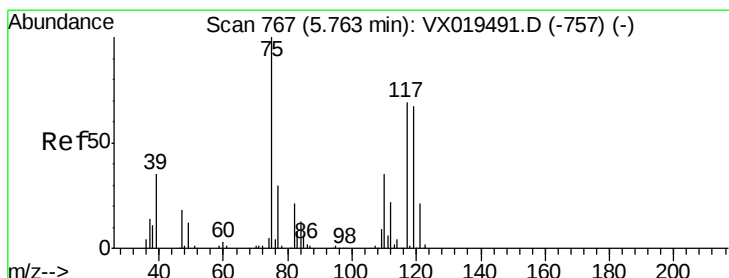
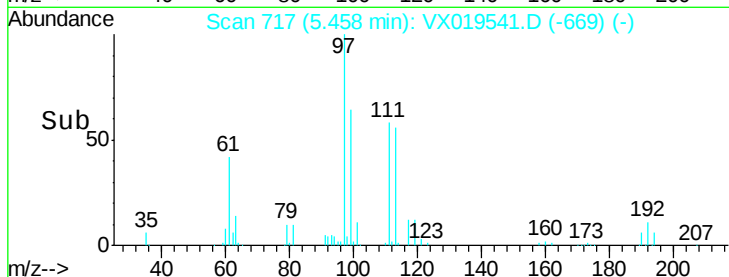
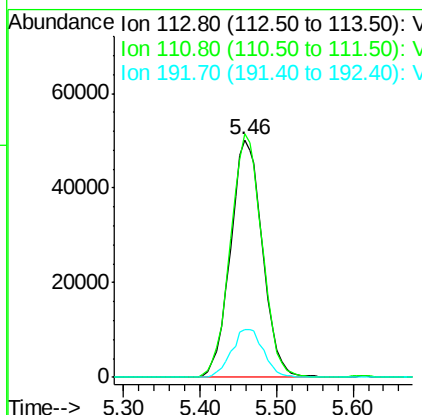
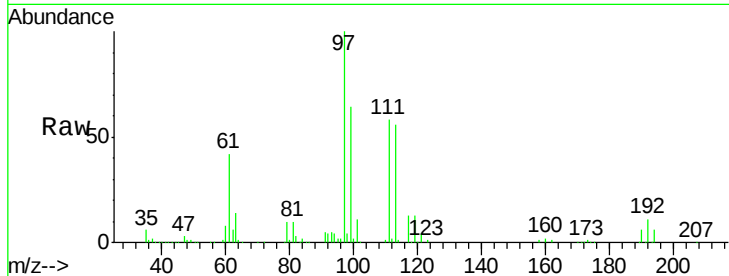
#35
Dibromofluoromethane
Concen: 48.332 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144545		
111	101.7	81.5	122.3	
192	20.3	16.2	24.2	

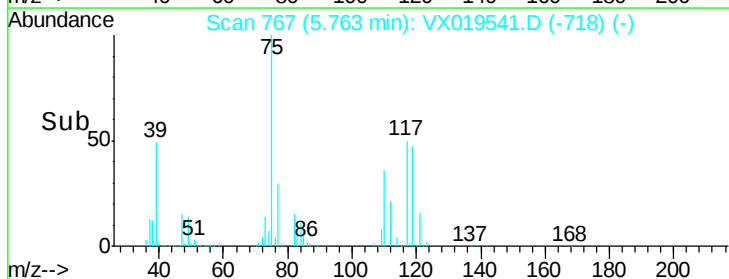
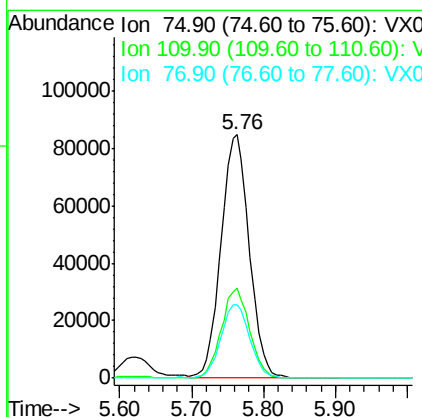
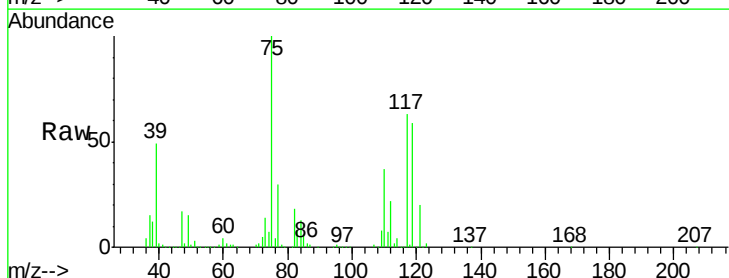
Manual Integrations
APPROVED

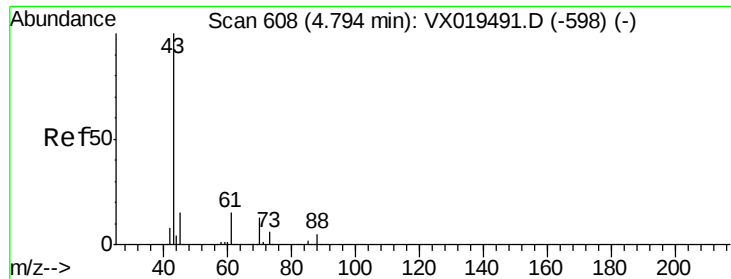
MMDadoda
11/24/2020 1:09:54 PM



#36
1,1-Dichloropropene
Concen: 51.683 ug/l
RT: 5.76 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	230850		
110	36.8	18.1	54.3	
77	30.8	24.2	36.4	





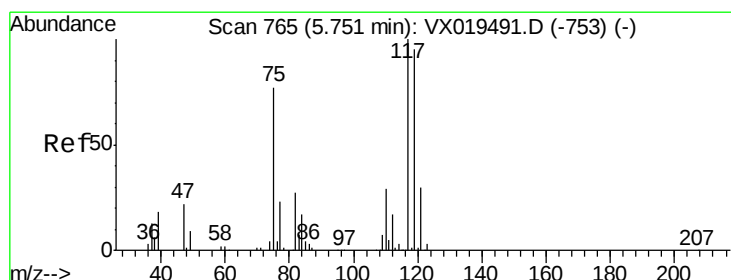
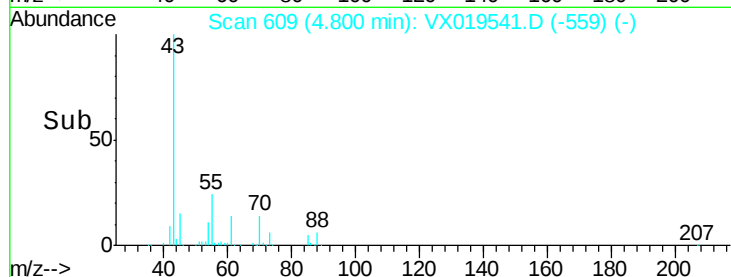
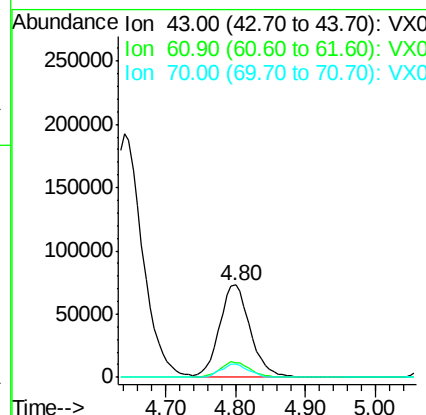
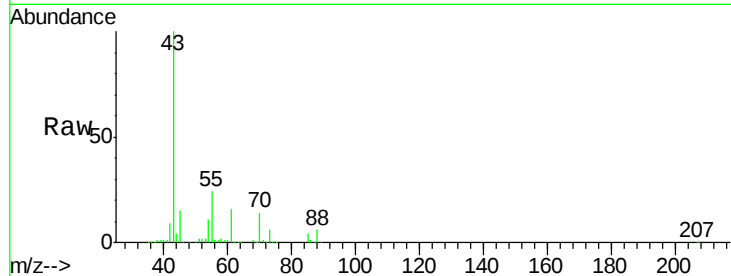
#37
Ethyl Acetate
Concen: 52.736 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.7	19.1
70	13.5	10.2	15.2

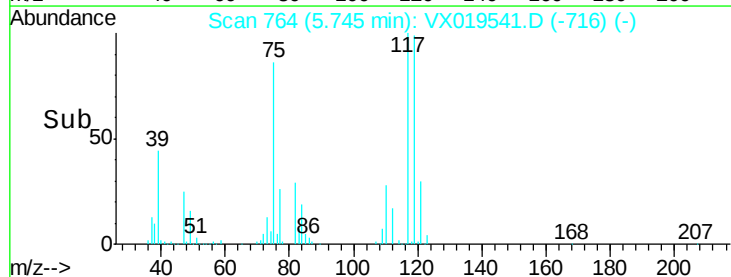
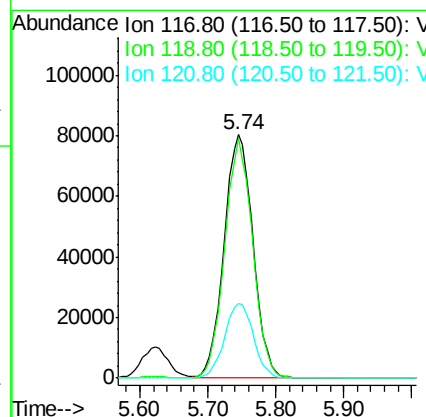
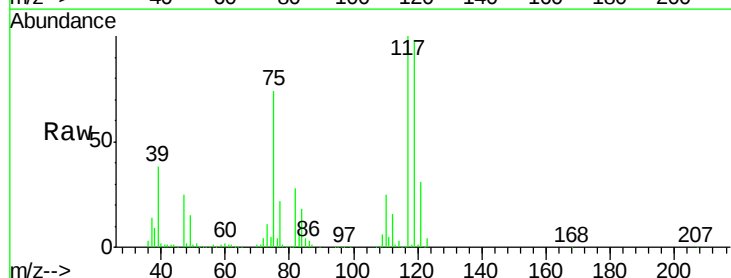
Manual Integrations
APPROVED

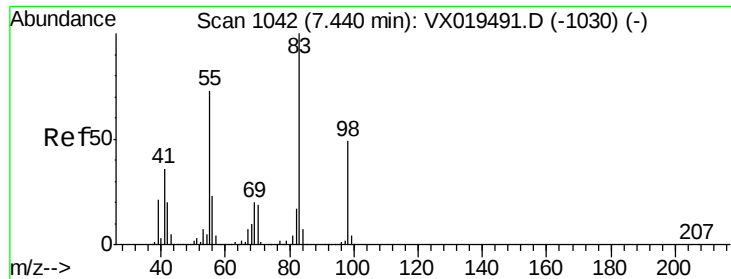
MMDadoda
11/24/2020 1:09:54 PM



#38
Carbon Tetrachloride
Concen: 54.773 ug/l
RT: 5.74 min Scan# 764
Delta R.T. -0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	75.9	113.9
121	30.5	24.0	36.0





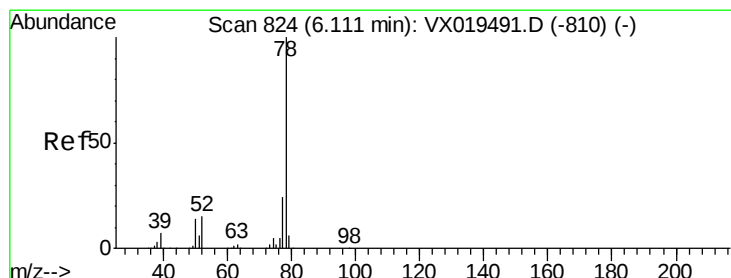
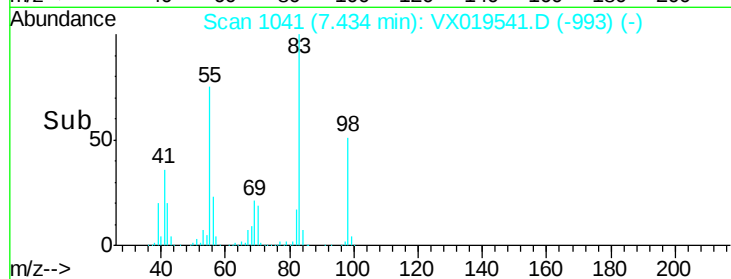
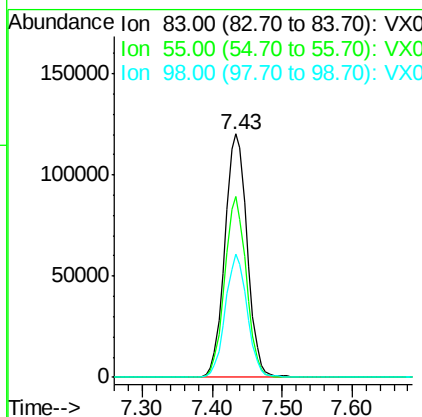
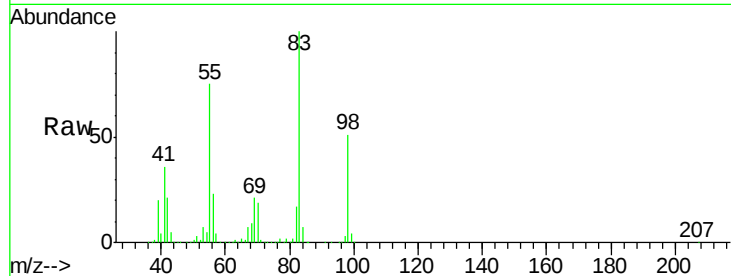
#39
Methvlcvclohexane
Concen: 51.257 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	266576		
55	74.5		58.3	87.5
98	50.8		38.9	58.3

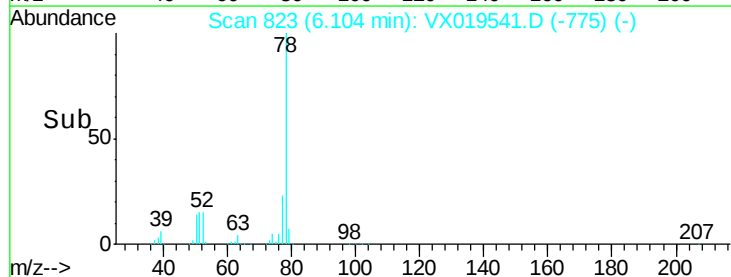
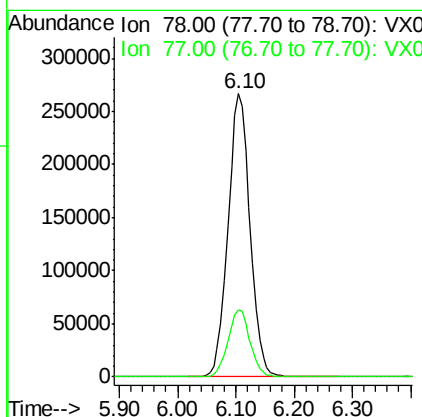
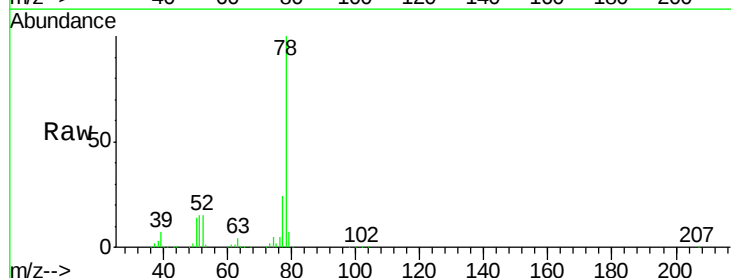
Manual Integrations
APPROVED

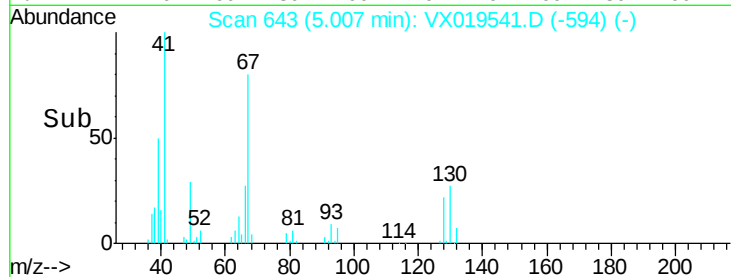
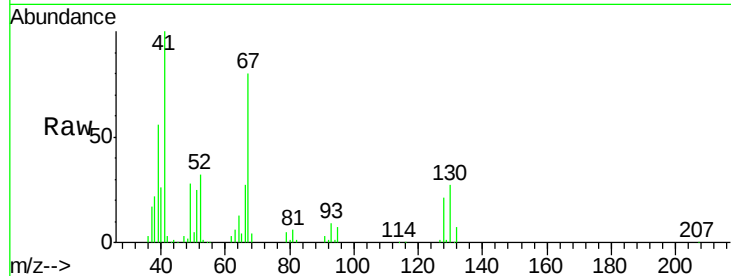
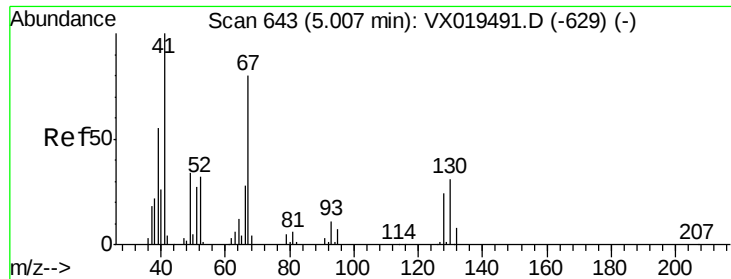
MMDadoda
11/24/2020 1:09:54 PM



#40
Benzene
Concen: 50.890 ug/l
RT: 6.10 min Scan# 823
Delta R.T. -0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	698407		
77	23.7		18.9	28.3





#41

Methacrylonitrile

Concen: 51.190 ug/l

RT: 5.01 min Scan# 643

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		118370		
39	54.3	43.3	64.9		
67	85.9	66.0	99.0		
52	32.1	25.4	38.2		

Instrument :

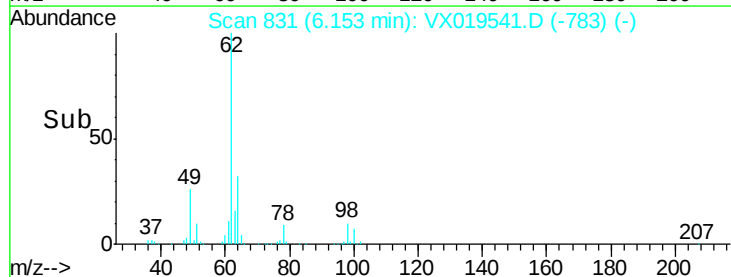
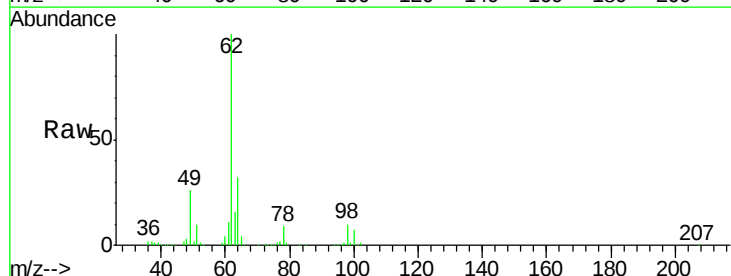
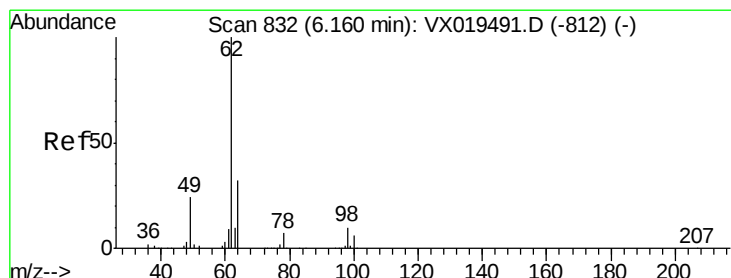
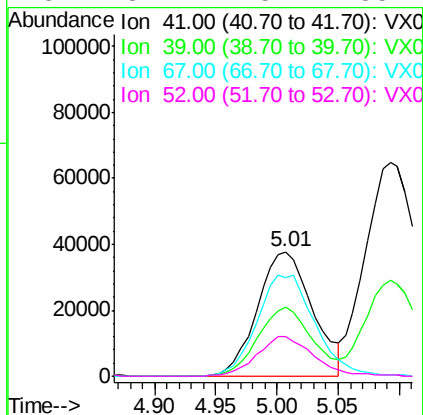
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.561 ug/l

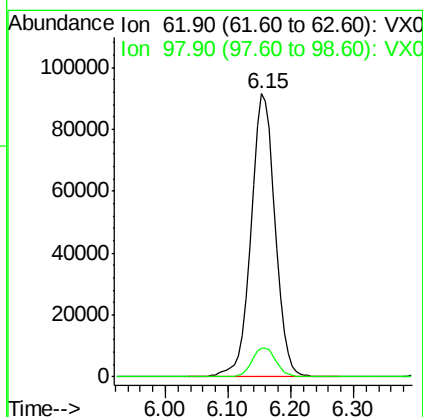
RT: 6.15 min Scan# 831

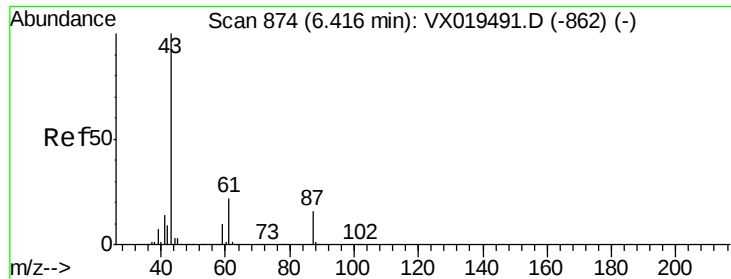
Delta R.T. -0.01 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		242541		
98	10.3	0.0	20.0		





#43

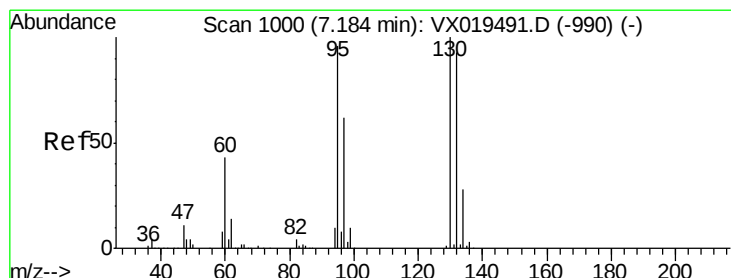
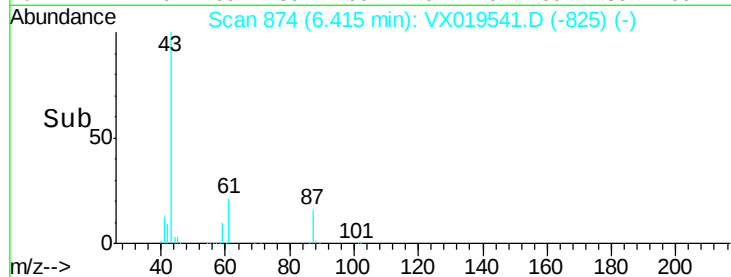
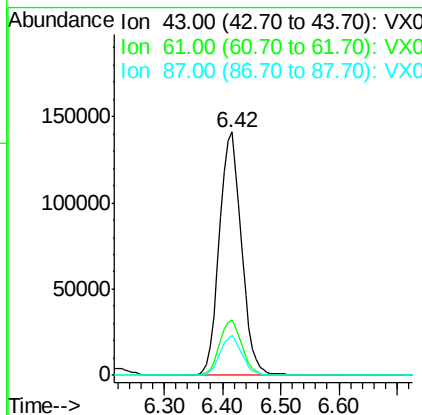
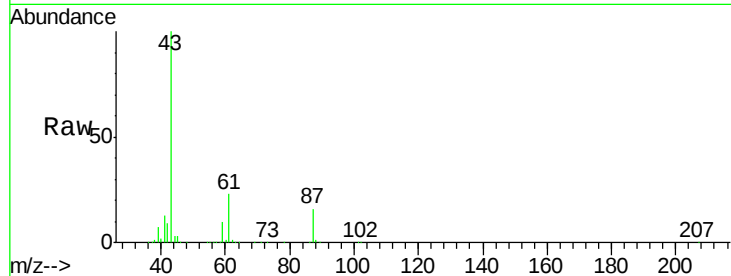
Isopropyl Acetate
 Concen: 52.636 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX019541.D
 Acq: 23 Nov 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.1	18.2	27.2
87	16.0	12.6	18.8

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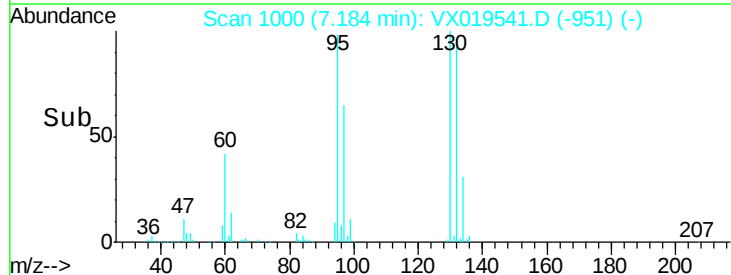
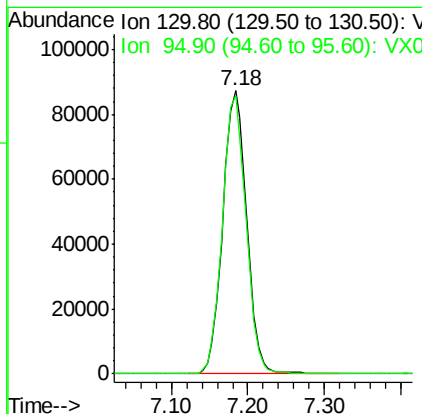
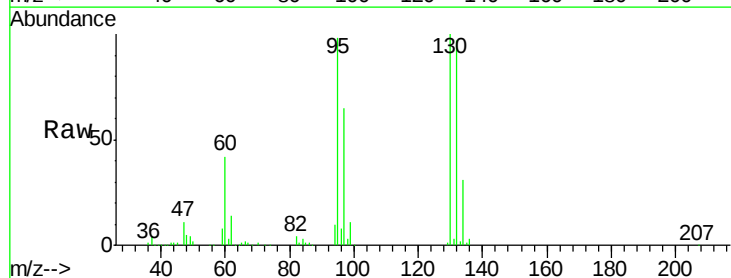
MMDadoda
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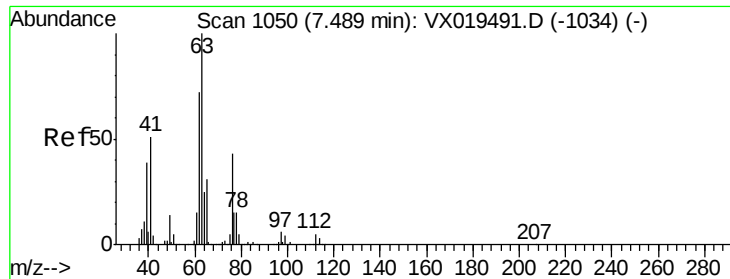


#44

Trichloroethene
 Concen: 52.483 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VX019541.D
 Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	191.2





#45

1,2-Dichloropropane

Concen: 51.000 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 172308

Ion Ratio Lower Upper

63 100

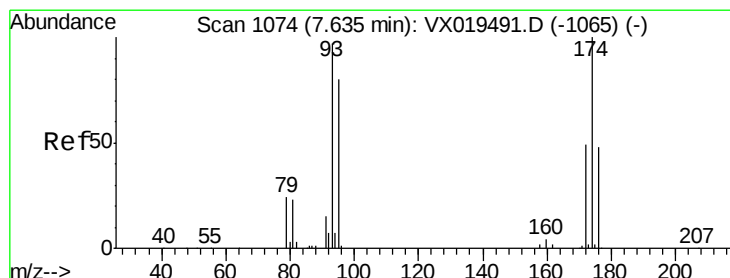
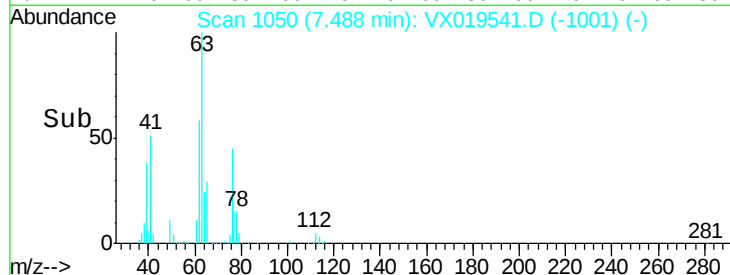
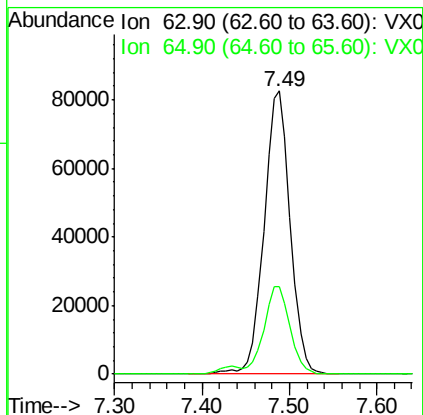
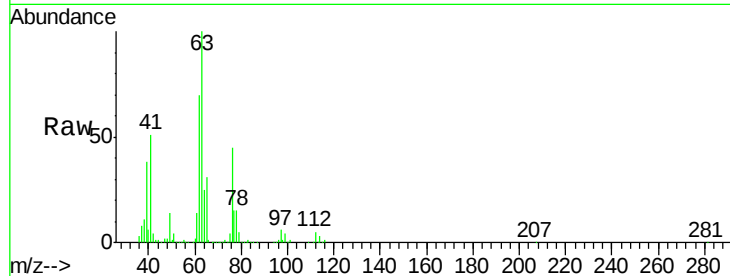
65 30.7 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 52.636 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

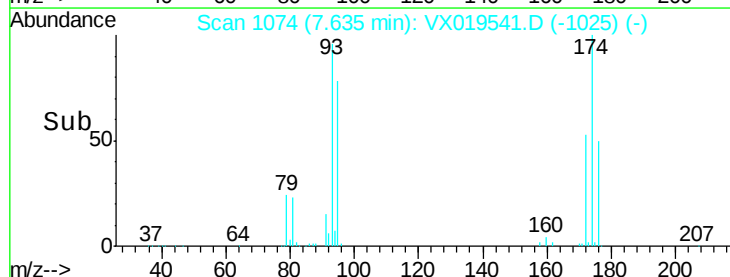
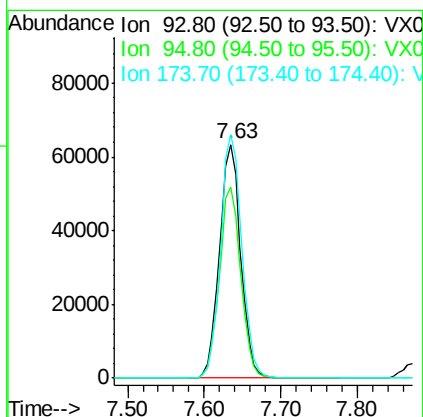
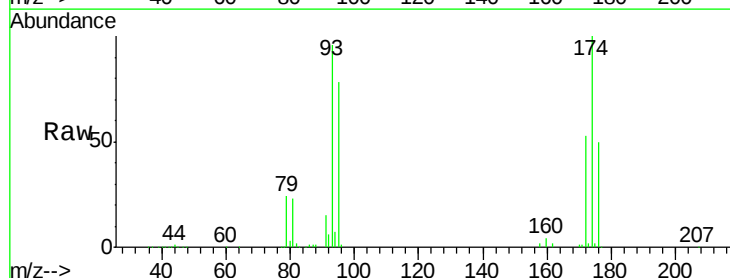
Tgt Ion: 93 Resp: 121714

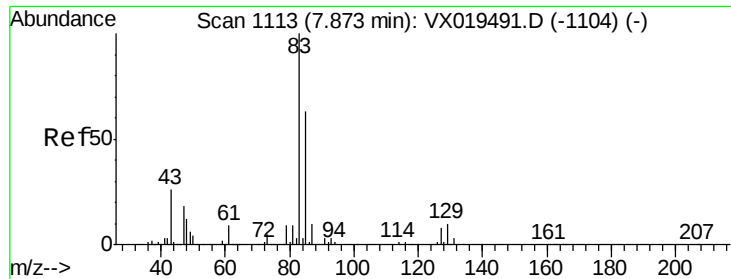
Ion Ratio Lower Upper

93 100

95 82.3 66.8 100.2

174 103.9 83.0 124.4





#47

Bromodichloromethane

Concen: 53.614 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

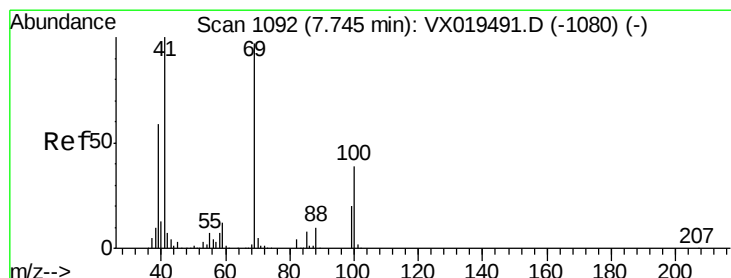
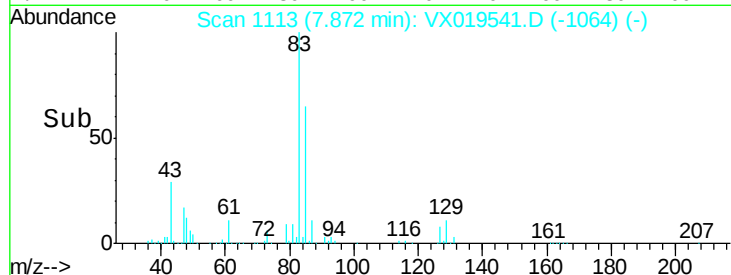
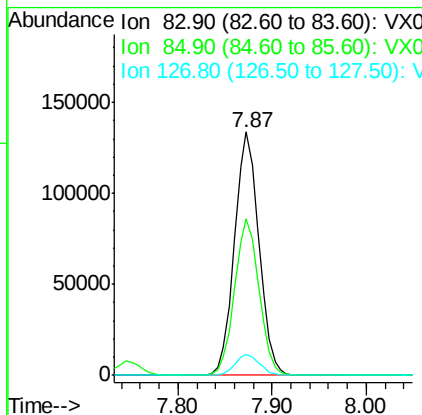
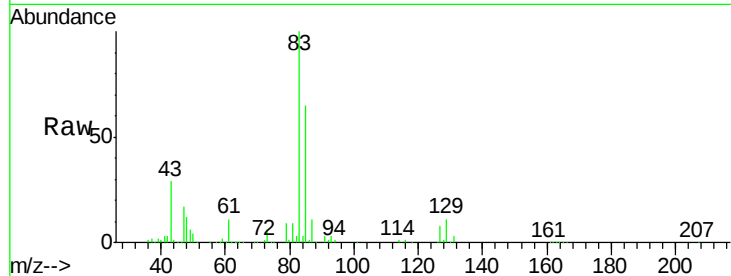
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	240568
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.2	75.2
127	8.5	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.813 ug/l

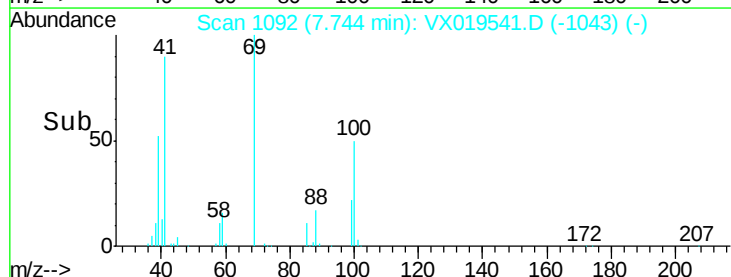
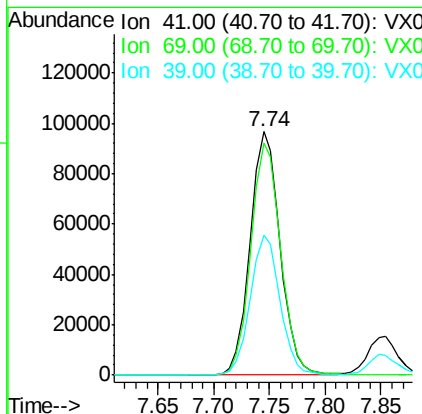
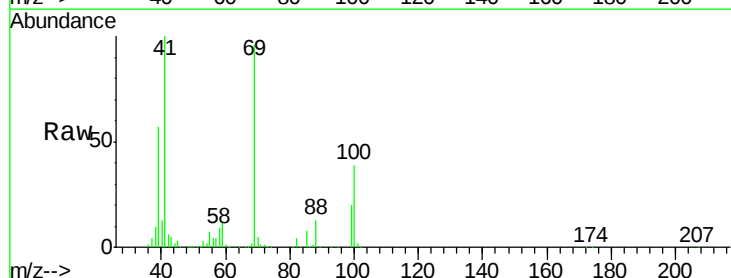
RT: 7.74 min Scan# 1092

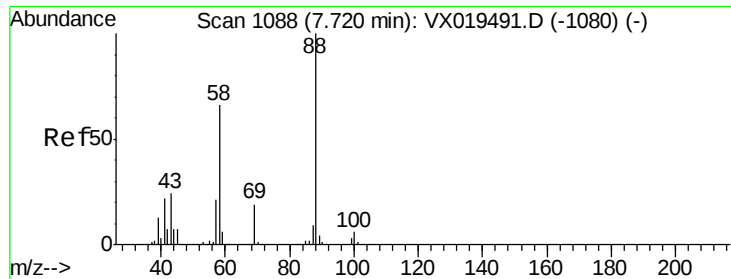
Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Tgt Ion:	41	Resp:	180949
Ion Ratio	Lower	Upper	
41	100		
69	95.8	77.0	115.6
39	57.2	45.6	68.4





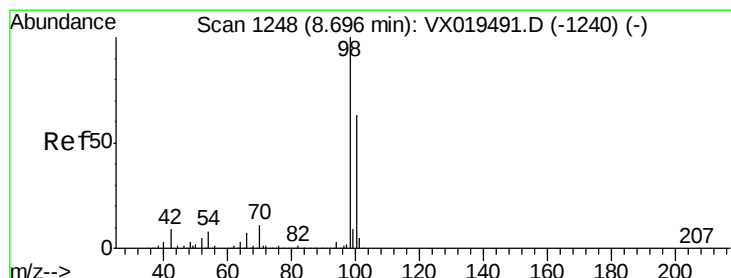
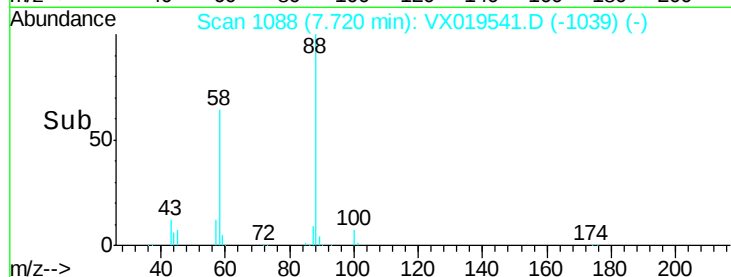
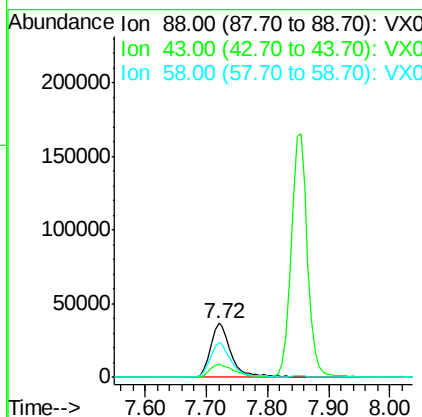
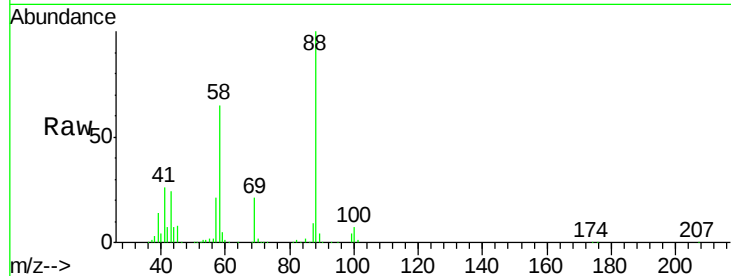
#49
1,4-Dioxane
Concen: 1172.320 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.6	23.8	35.6
58	65.3	54.2	81.2

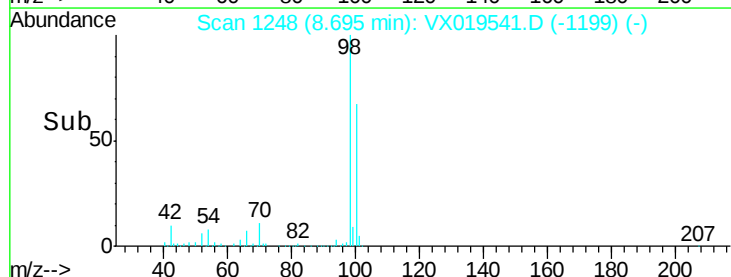
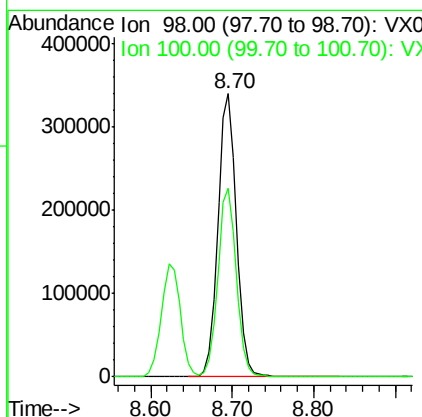
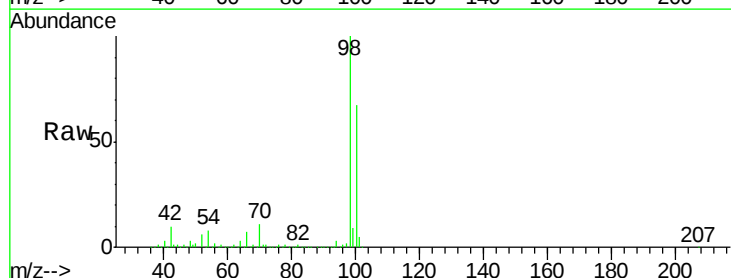
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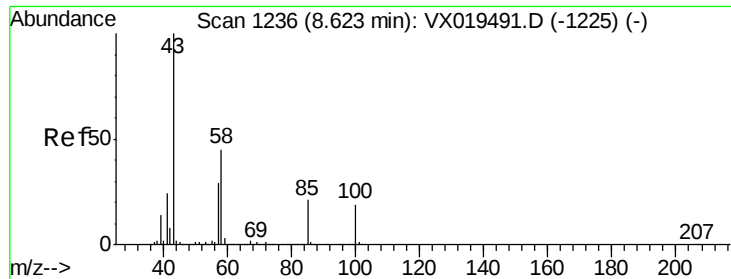
MMDadoda
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#50
Toluene-d8
Concen: 46.312 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.4	78.6





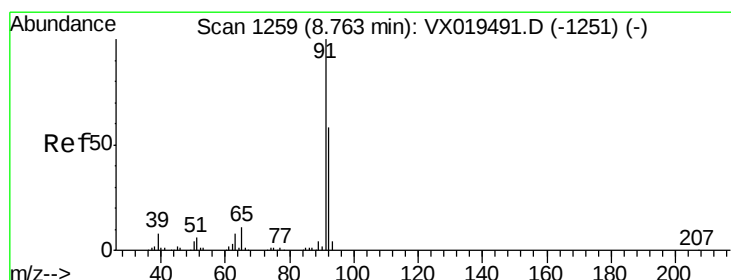
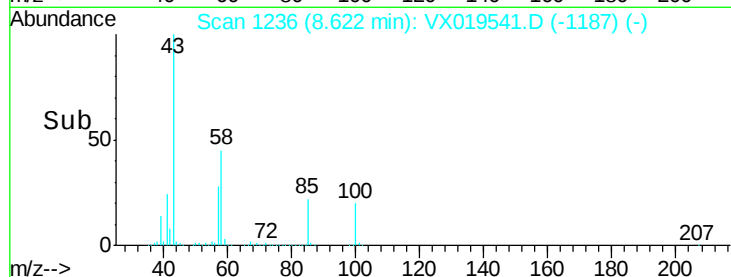
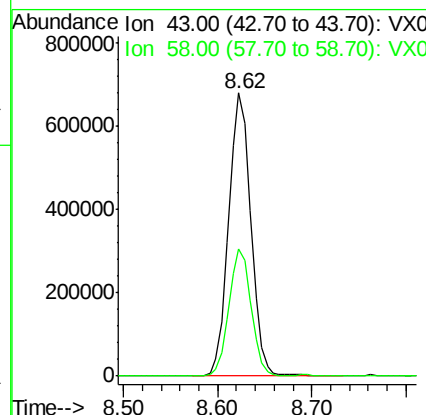
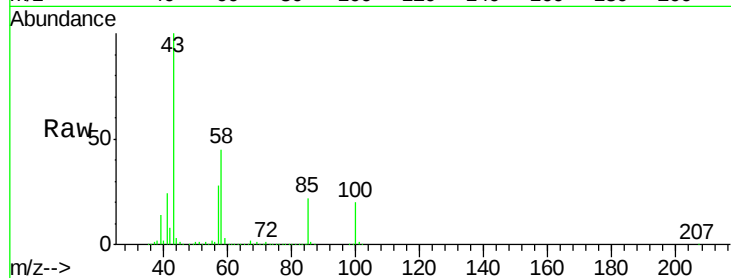
#51
4-Methyl-2-Pentanone
Concen: 270.348 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1111252
Ion Ratio Lower Upper
43 100
58 44.7 35.1 52.7

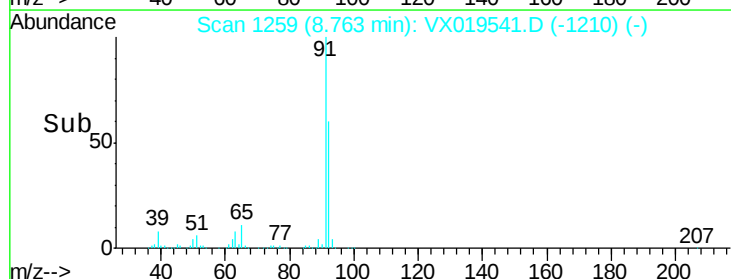
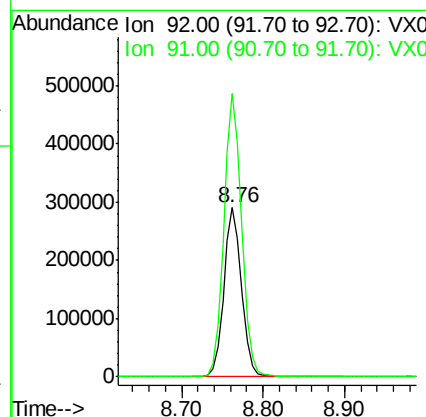
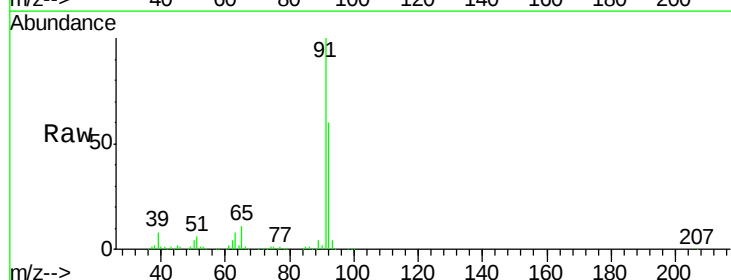
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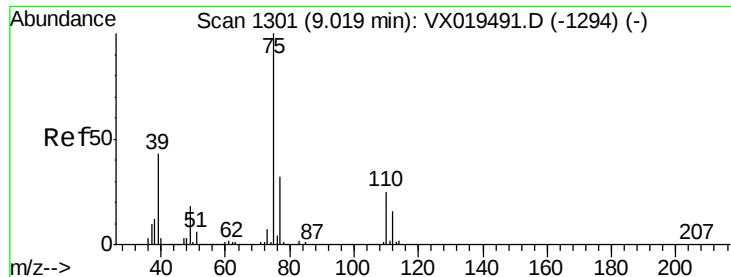
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#52
Toluene
Concen: 52.021 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion: 92 Resp: 436746
Ion Ratio Lower Upper
92 100
91 169.3 138.1 207.1





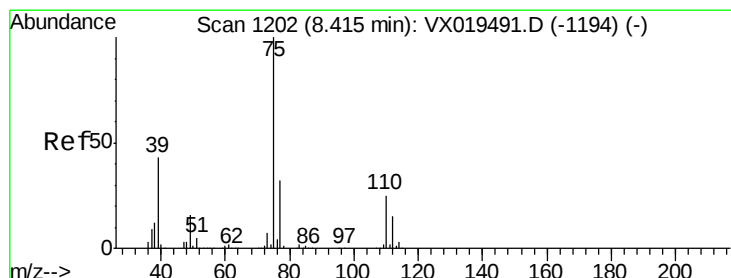
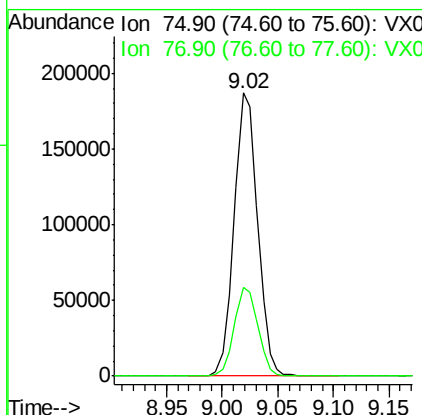
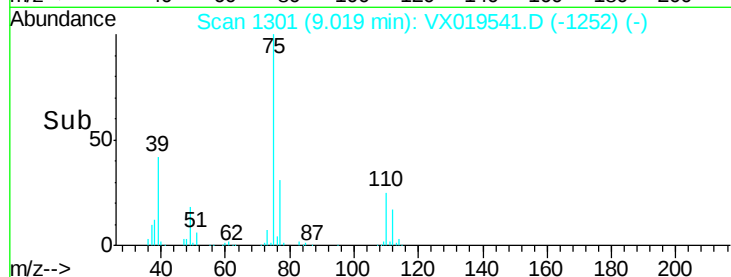
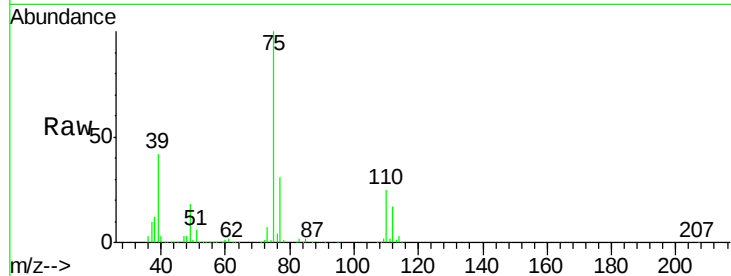
#53
t-1,3-Dichloropropene
Concen: 56.416 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 273390
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9

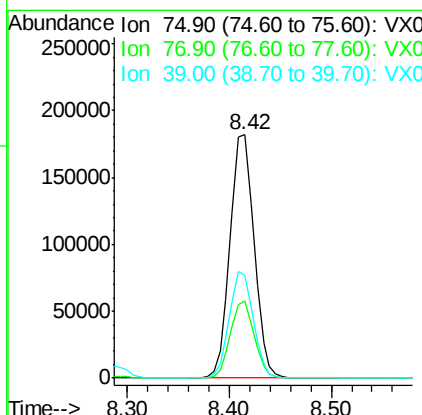
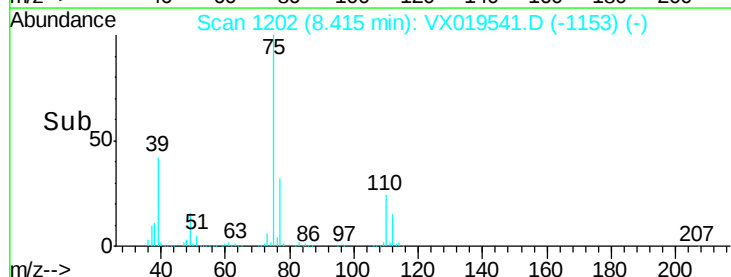
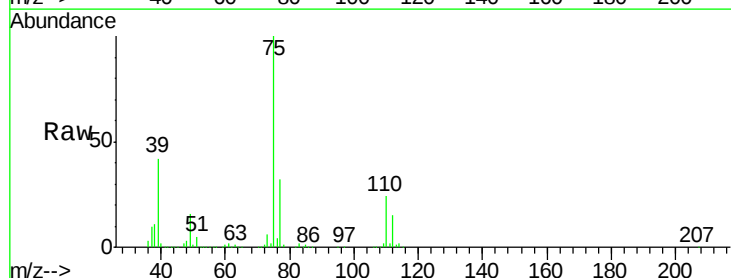
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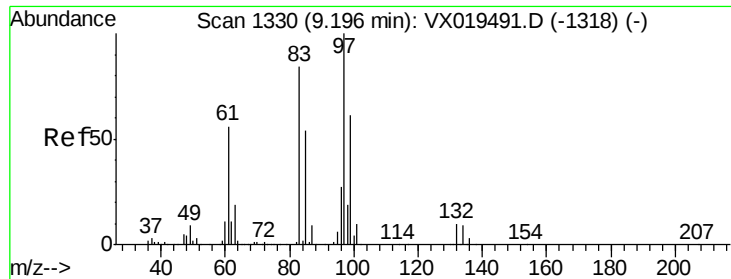
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#54
cis-1,3-Dichloropropene
Concen: 55.307 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion: 75 Resp: 297433
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6
39 42.2 34.6 51.8





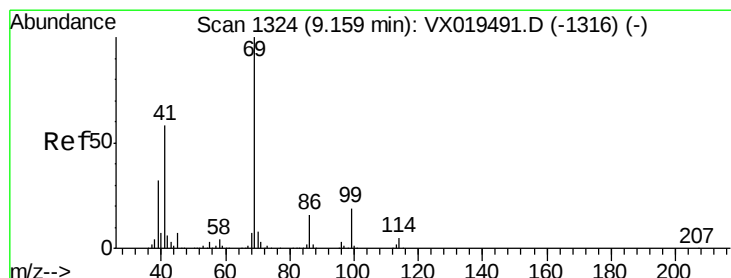
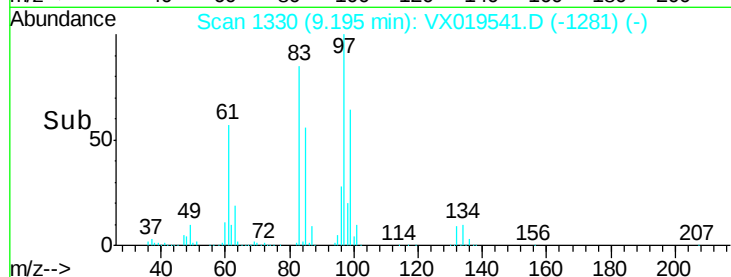
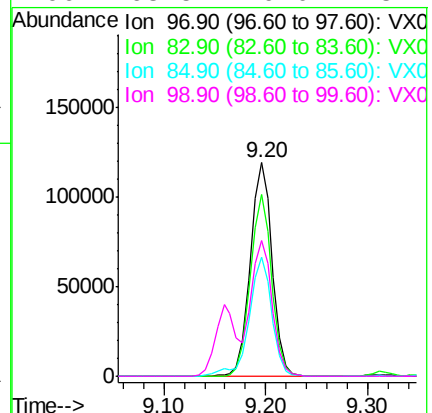
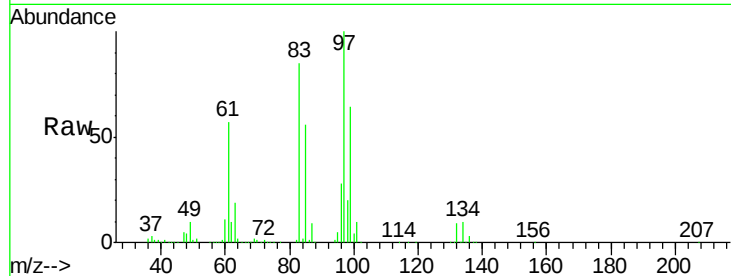
#55
 1,1,2-Trichloroethane
 Concen: 51.990 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019541.D
 Acq: 23 Nov 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		177764		
83	85.4	67.0	100.6		
85	55.5	43.4	65.0		
99	63.5	49.0	73.4		

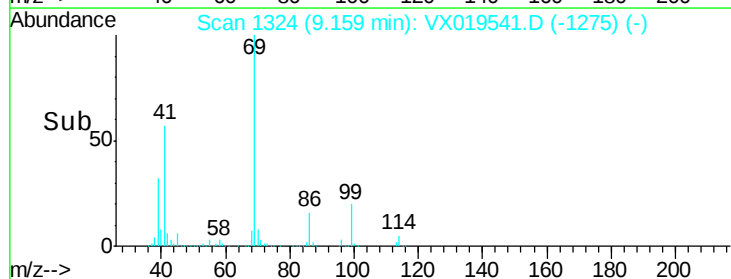
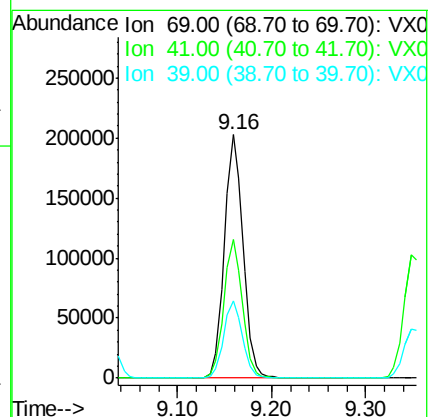
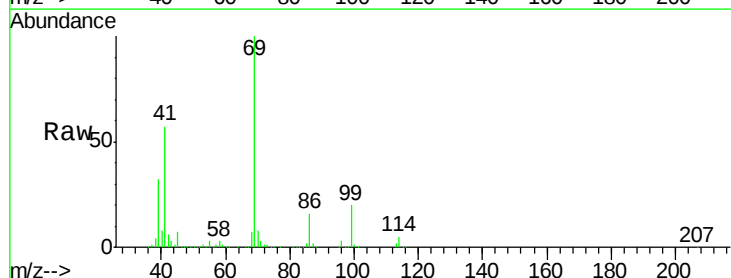
Manual Integrations
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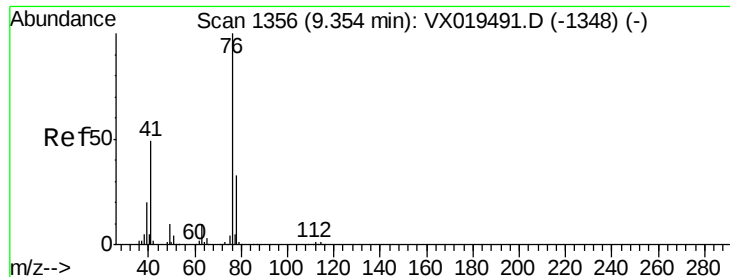
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#56
 Ethyl methacrylate
 Concen: 57.827 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX019541.D
 Acq: 23 Nov 2020 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		279778		
41	56.5	46.2	69.2		
39	31.9	25.5	38.3		





#57

1,3-Dichloropropane

Concen: 51.931 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 297281

Ion Ratio Lower Upper

76 100

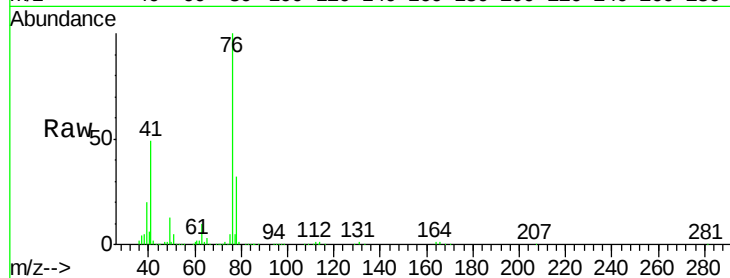
78 32.6 25.7 38.5

Manual Integrations

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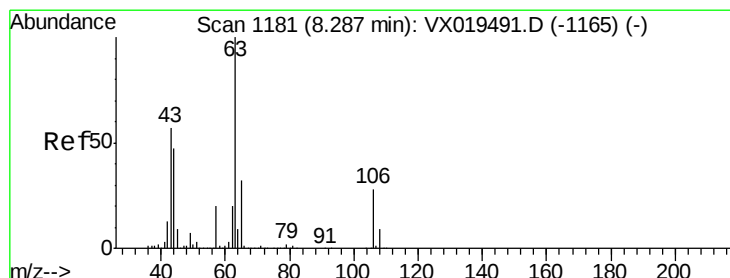
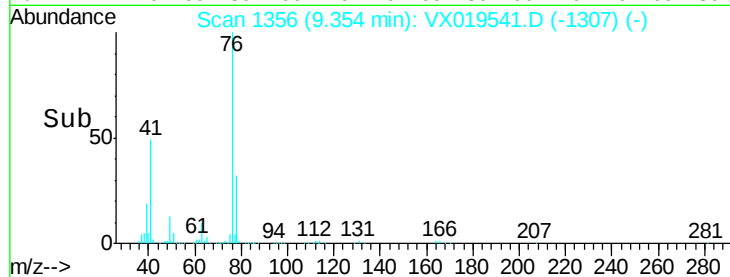
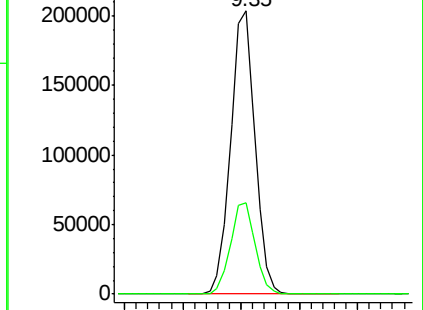
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 262.903 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX019541.D

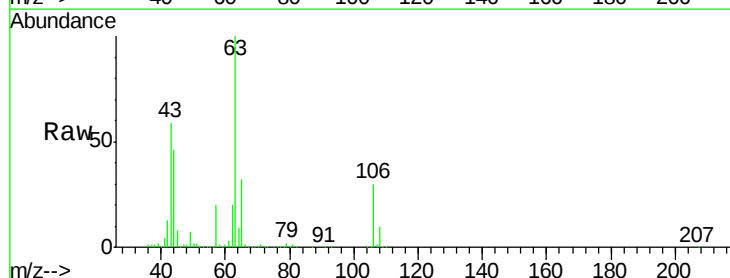
Acq: 23 Nov 2020 10:35

Tgt Ion: 63 Resp: 745323

Ion Ratio Lower Upper

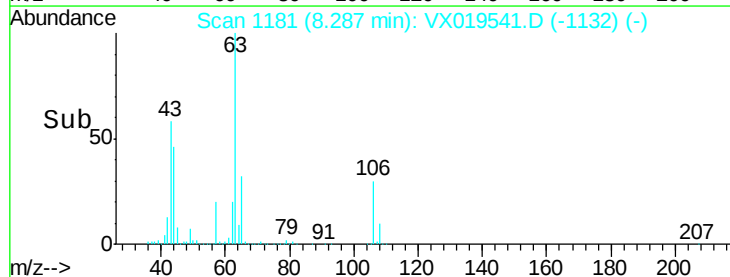
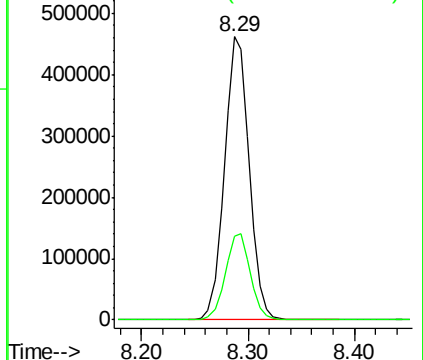
63 100

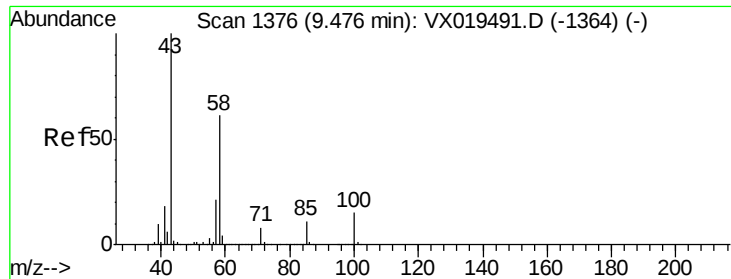
106 30.9 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





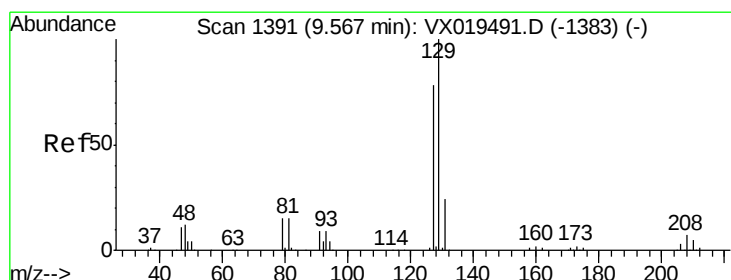
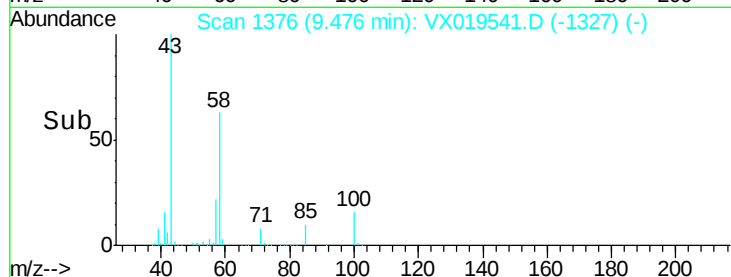
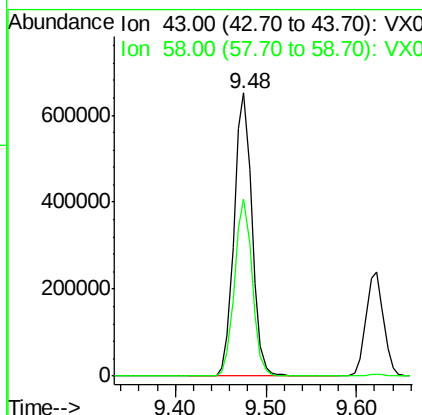
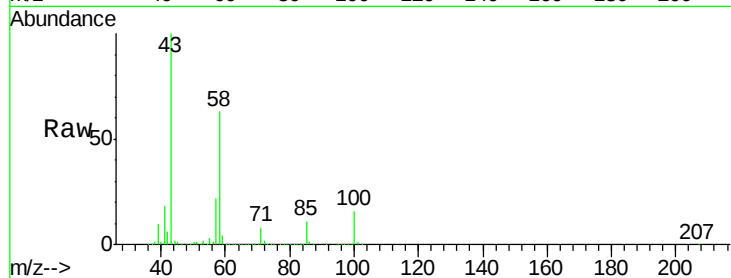
#59
2-Hexanone
Concen: 284.362 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	62.2	30.6	91.6

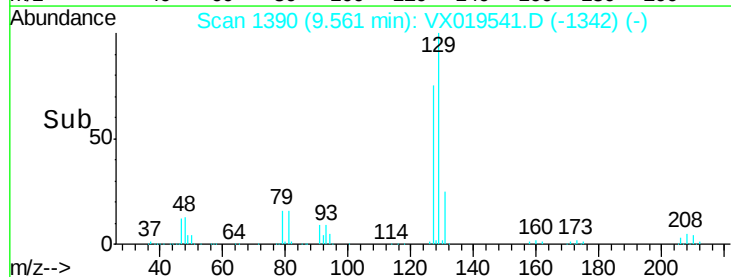
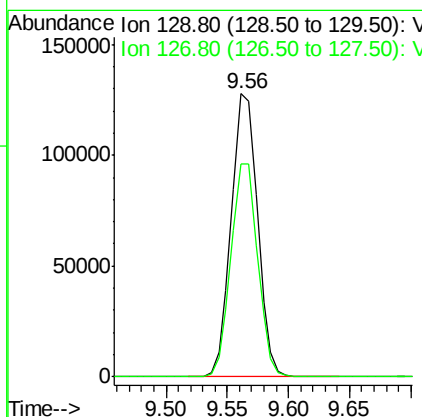
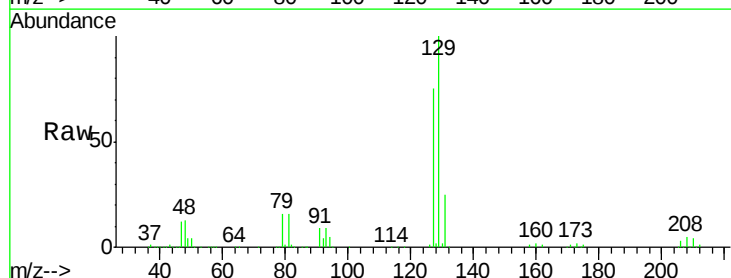
Manual Integrations
APPROVED

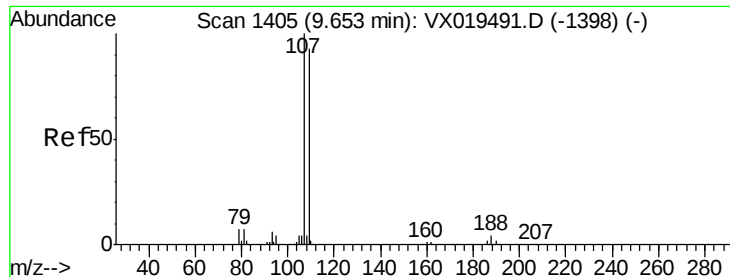
MMDadoda
11/24/2020 1:09:54 PM



#60
Dibromochloromethane
Concen: 56.915 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.0	116.9





#61

1,2-Dibromoethane

Concen: 53.338 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 187989

Ion Ratio Lower Upper

107 100

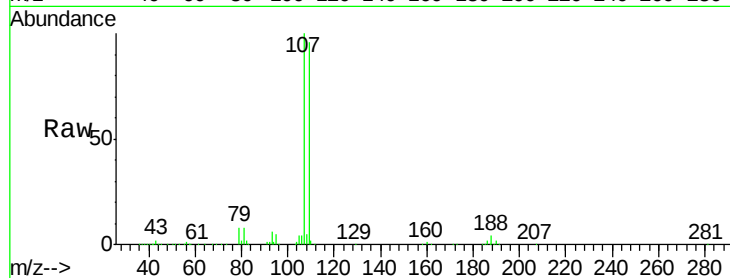
109 94.4 74.8 112.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

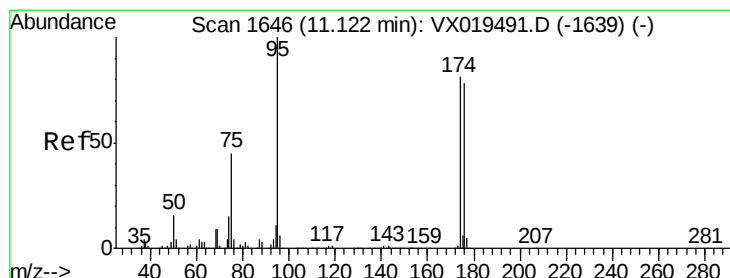
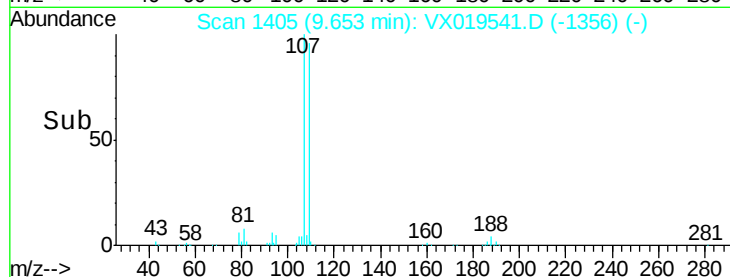
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.613 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

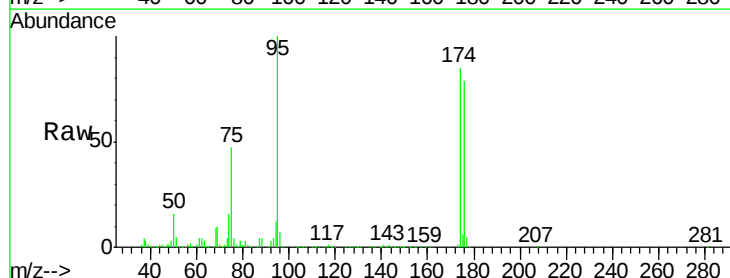
Tgt Ion: 95 Resp: 207442

Ion Ratio Lower Upper

95 100

174 80.8 0.0 156.2

176 76.6 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

200000

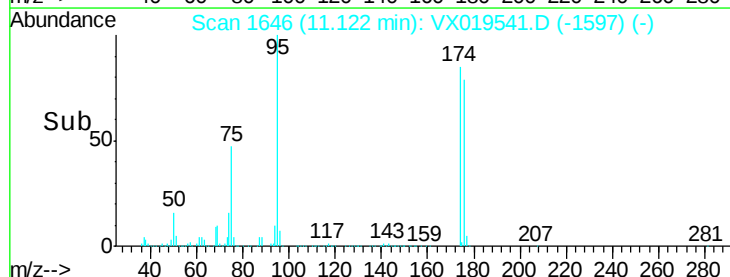
150000

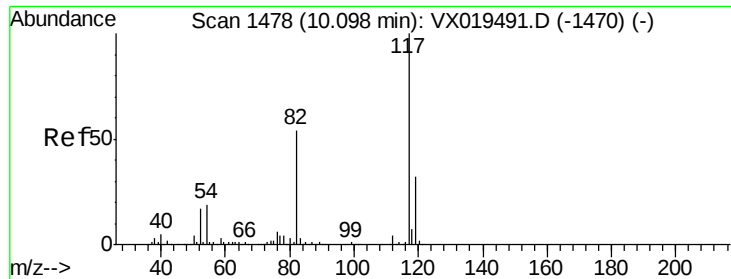
100000

50000

0

Time-->





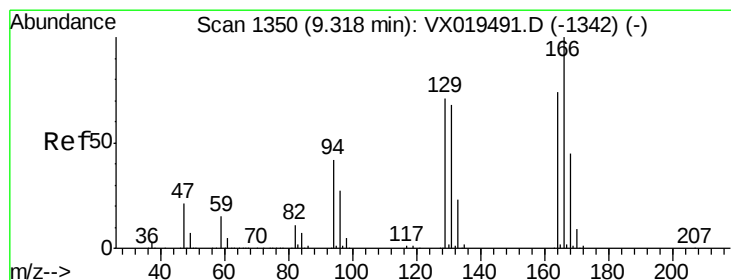
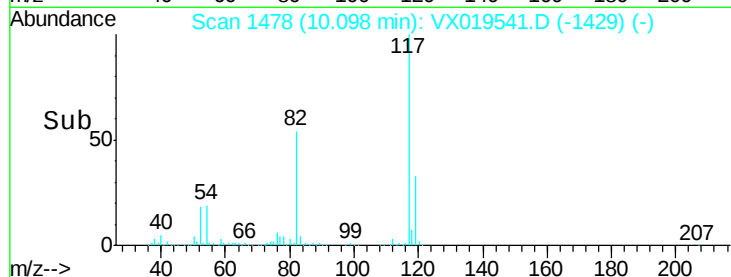
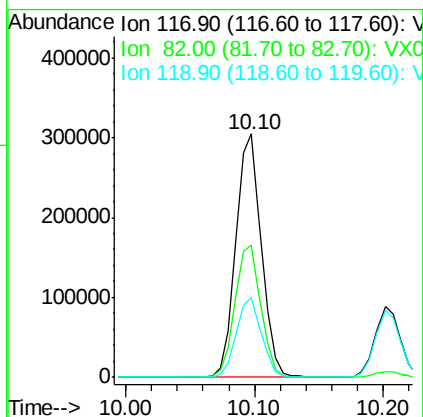
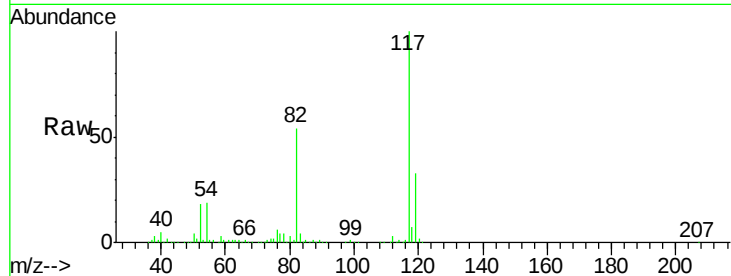
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	419927		
82	54.3		43.0	64.4
119	33.0		25.6	38.4

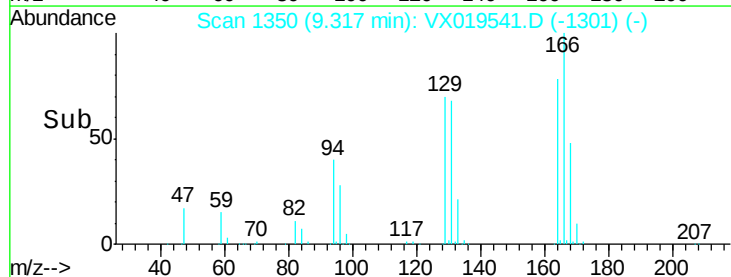
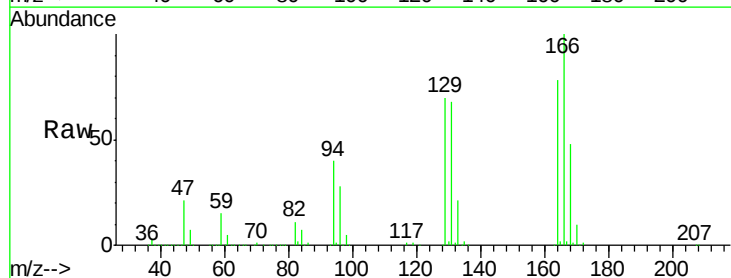
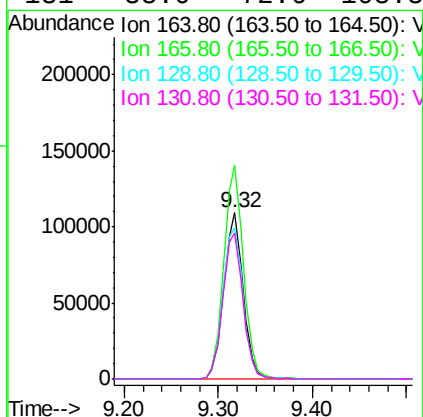
Manual Integrations
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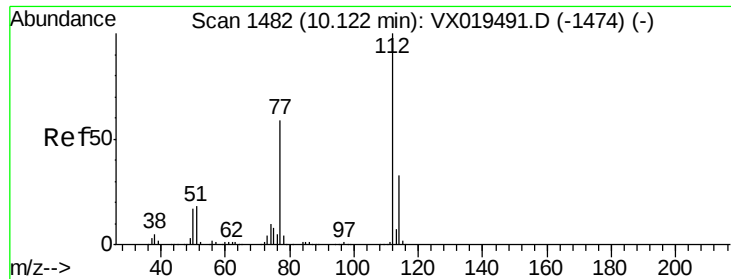
MMDadoda
11/24/2020 1:09:54 PM



#64
Tetrachloroethene
Concen: 47.325 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	156212		
166	128.5		107.4	161.0
129	90.5		76.6	114.8
131	88.0		72.6	108.8





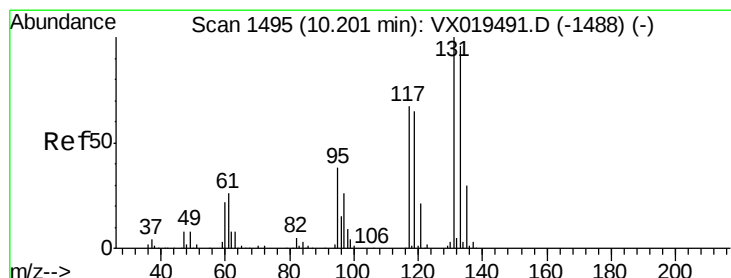
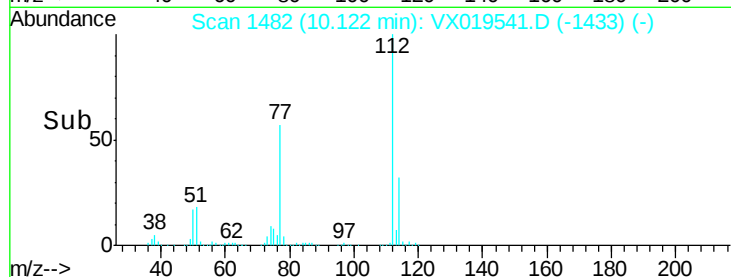
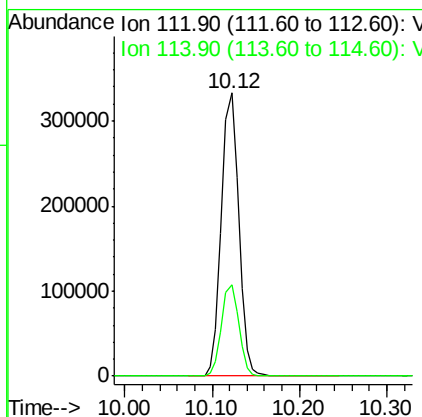
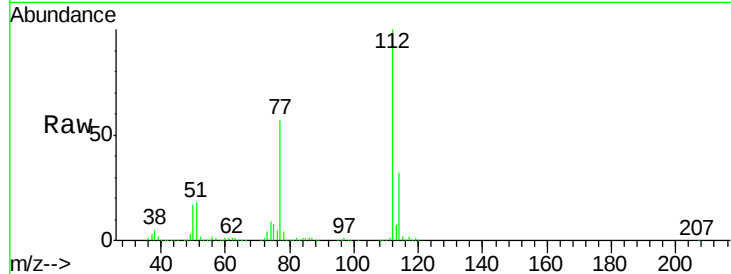
#65
Chlorobenzene
Concen: 53.180 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

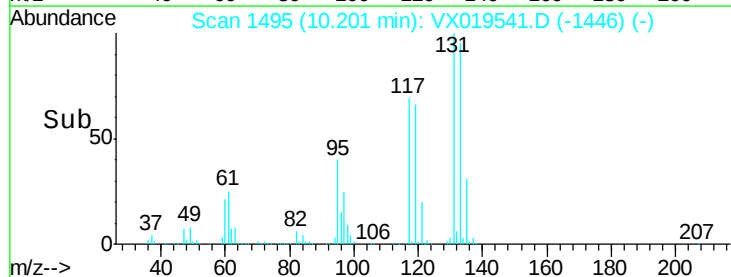
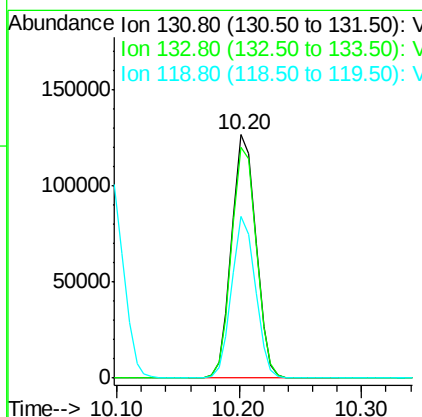
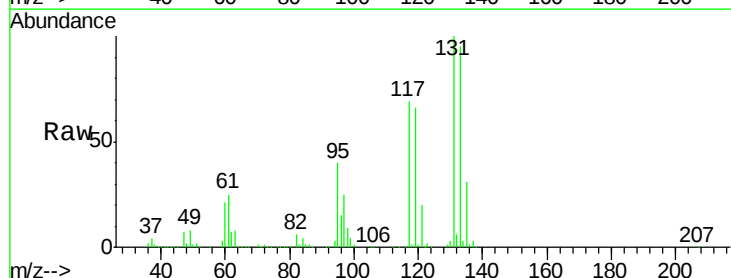
Manual Integrations
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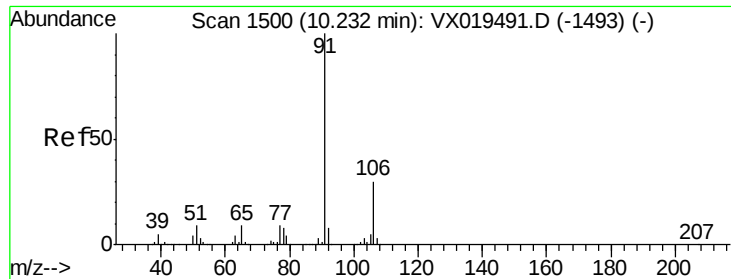
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.639 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.5	145.5
119	64.5	33.0	99.0





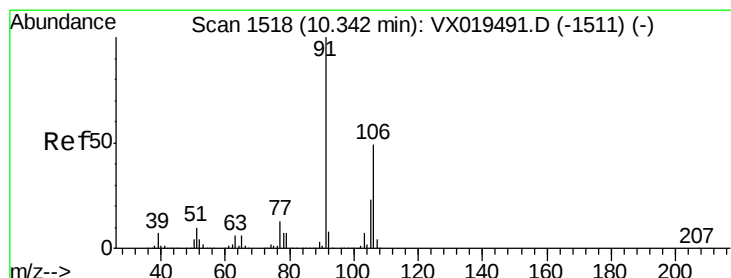
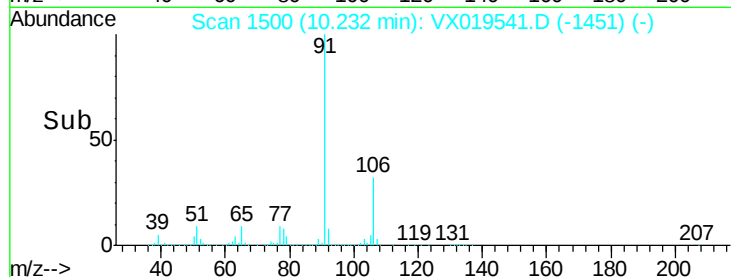
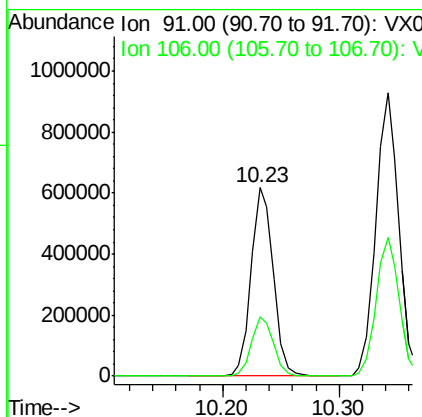
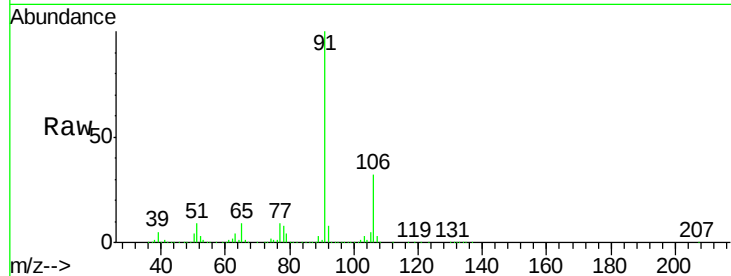
#67
Ethyl Benzene
Concen: 54.138 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 818837
Ion Ratio Lower Upper
91 100
106 31.7 24.0 36.0

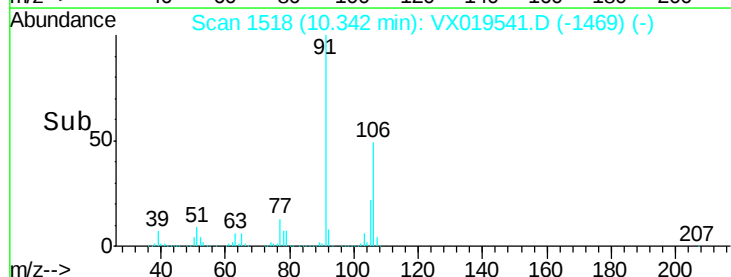
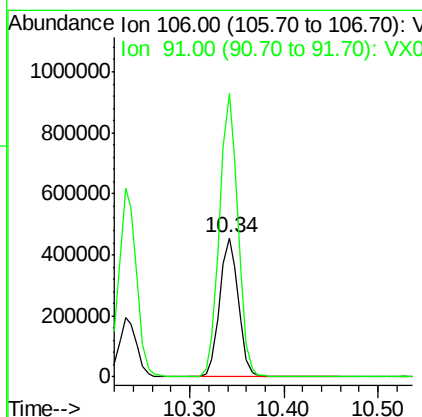
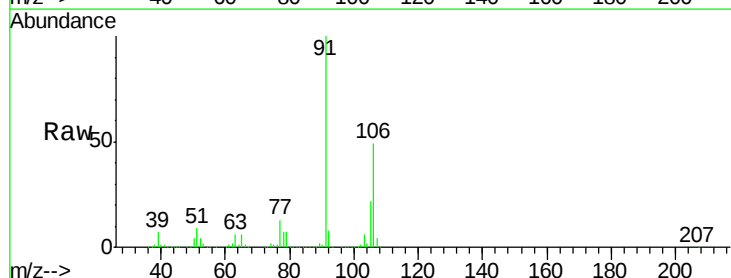
Manual Integrations
APPROVED

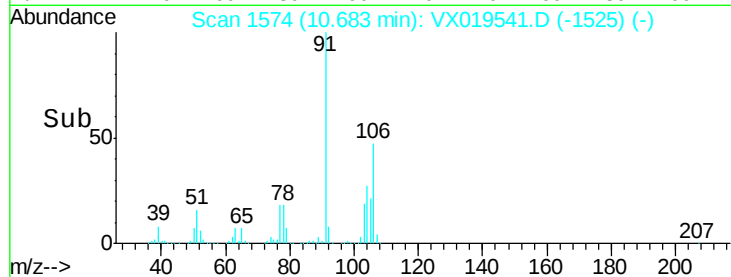
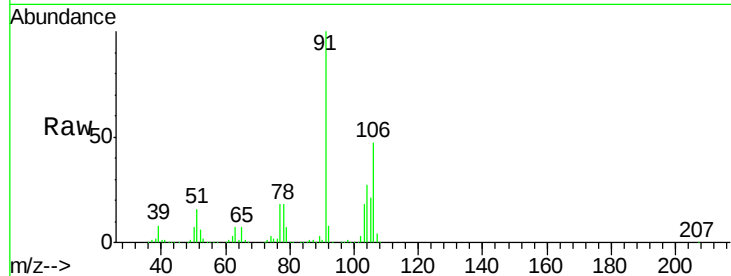
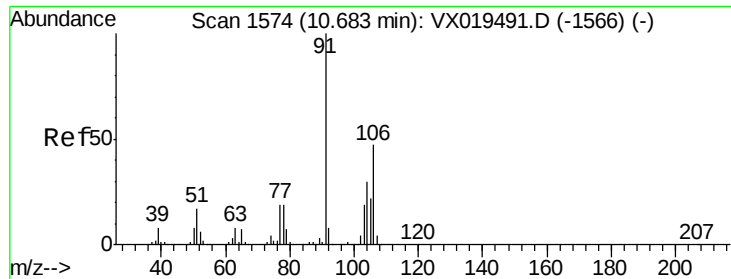
MMDadoda
11/24/2020 1:09:54 PM



#68
m/p-Xylenes
Concen: 110.971 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion: 106 Resp: 625324
Ion Ratio Lower Upper
106 100
91 202.4 163.3 244.9





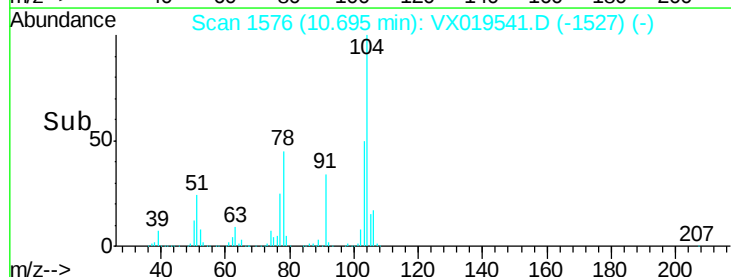
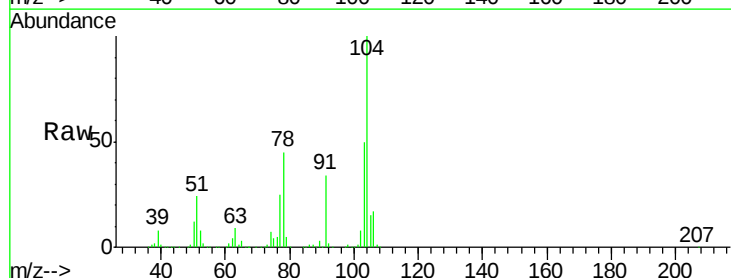
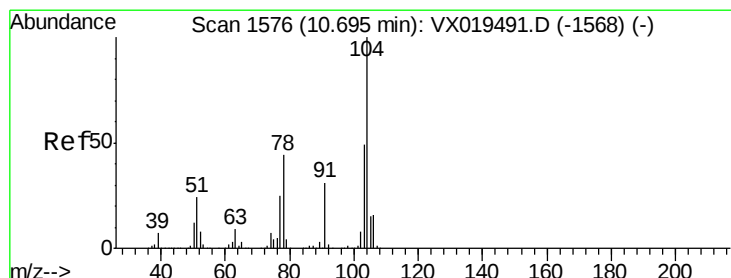
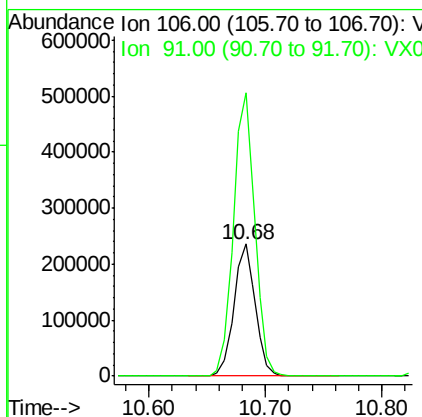
#69
o-Xylene
Concen: 55.815 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tot Ion	Ratio	Resp	Lower	Upper
106	100	300657		
91	215.7	108.0	324.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

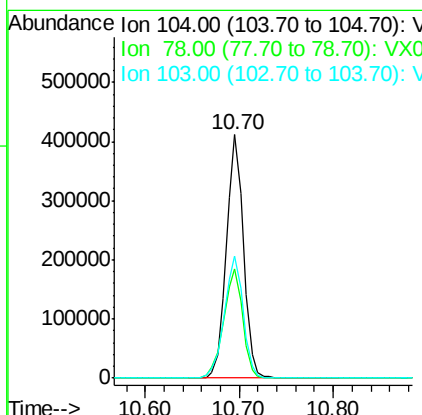
Manual Integrations
APPROVED

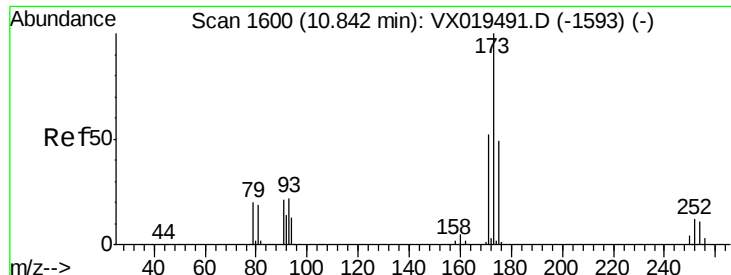
MMDadoda
11/24/2020 1:09:54 PM



#70
Styrene
Concen: 51.867 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	517805		
78	49.9	39.5	59.3	
103	54.8	43.6	65.4	





#71

Bromoform

Concen: 53.405 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 142779

Ion Ratio Lower Upper

173 100

175 48.9 24.9 74.8

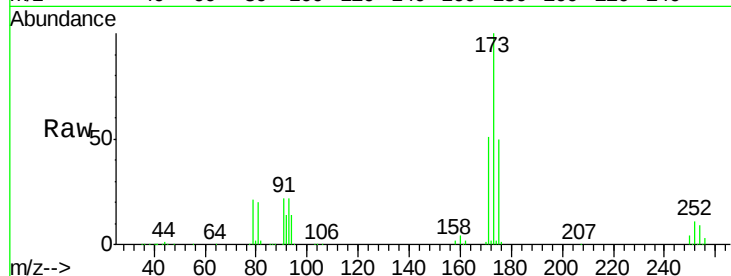
254 0.1 0.1 0.1

Manual Integrations

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MMDadoda

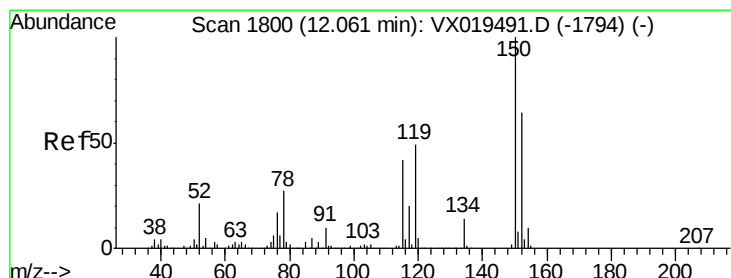
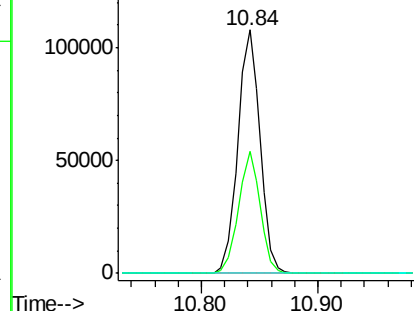
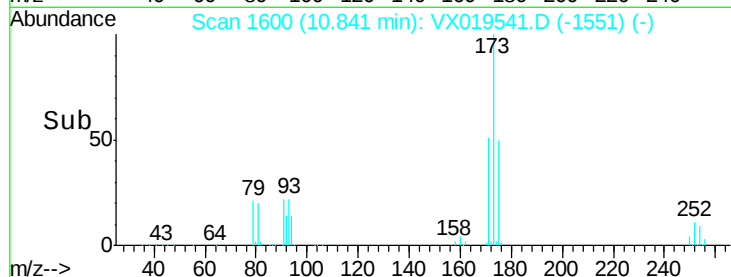
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX019541.D

Acq: 23 Nov 2020 10:35

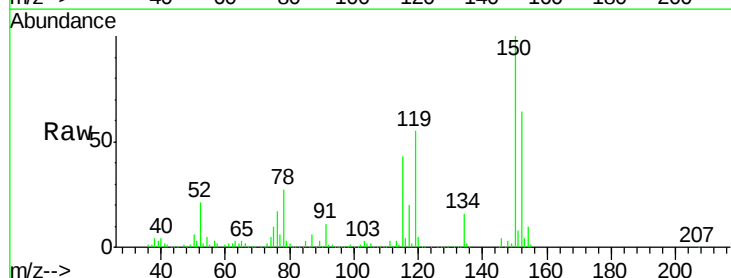
Tgt Ion:152 Resp: 215146

Ion Ratio Lower Upper

152 100

115 84.3 41.8 125.4

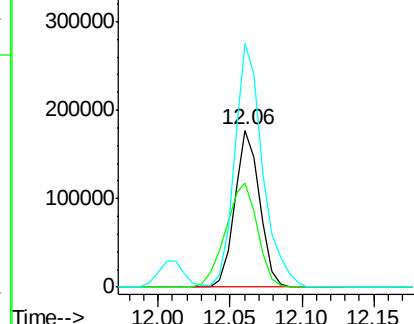
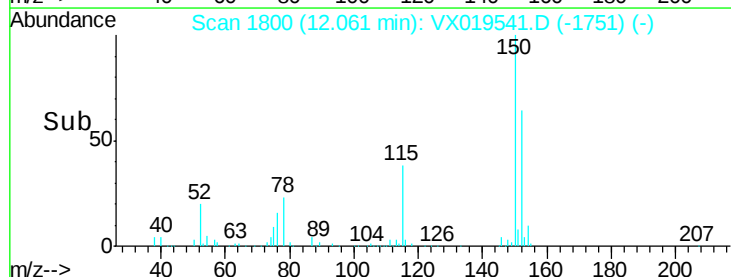
150 173.9 0.0 348.2



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: 53.277 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 792943

Ion Ratio Lower Upper

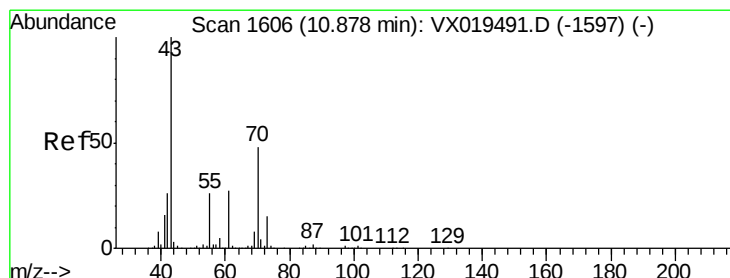
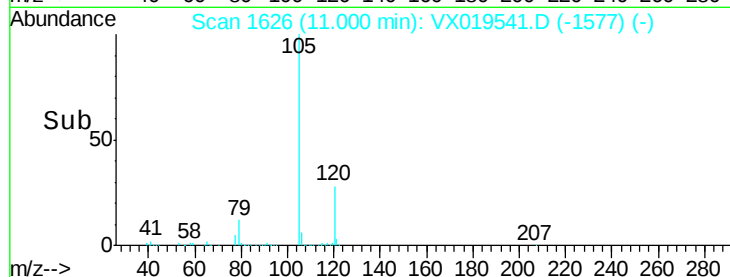
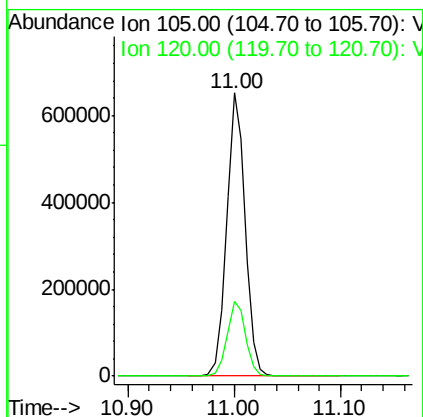
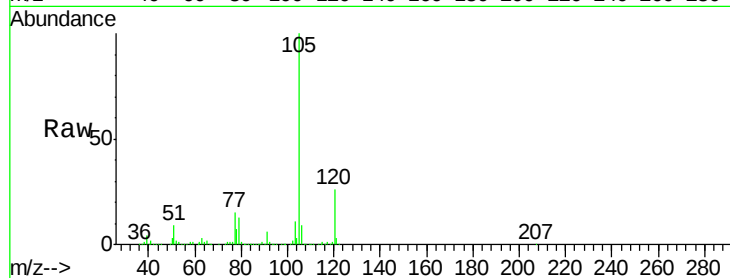
105 100

120 26.4 13.0 39.0

Manual Integrations
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#74

N-ethyl acetate

Concen: 59.229 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Tgt Ion: 43 Resp: 330320

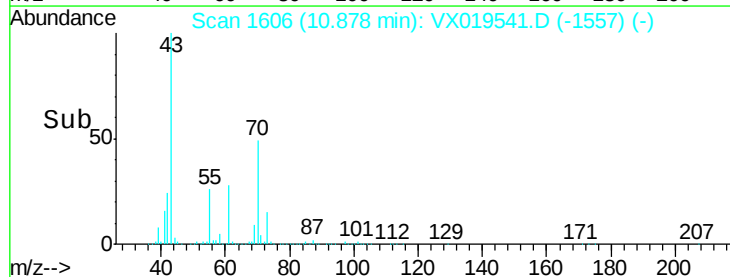
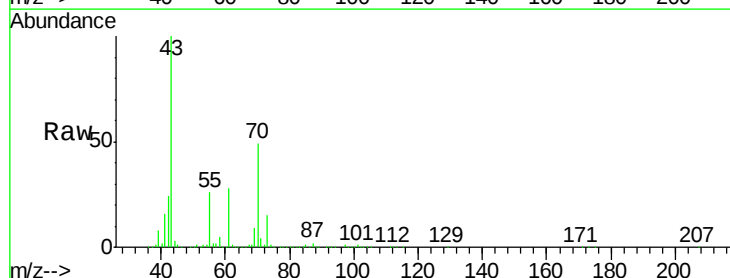
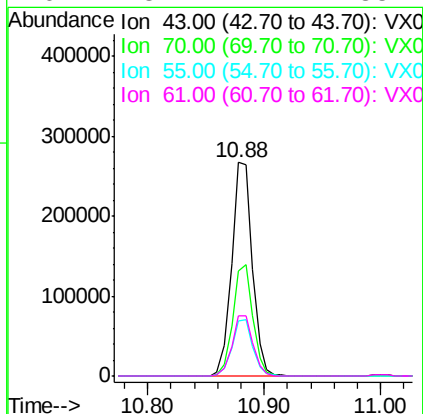
Ion Ratio Lower Upper

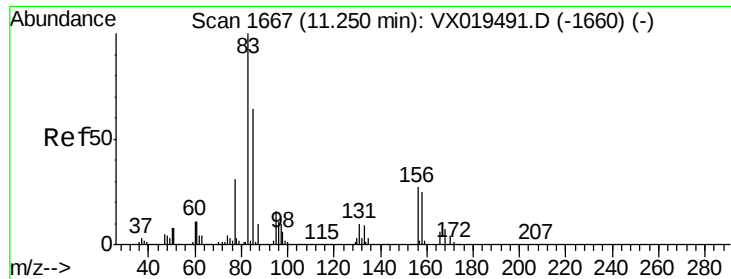
43 100

70 50.6 39.7 59.5

55 26.6 21.8 32.6

61 28.4 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.037 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 287608

Ion Ratio Lower Upper

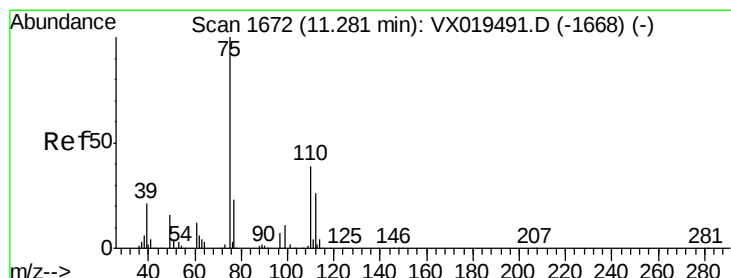
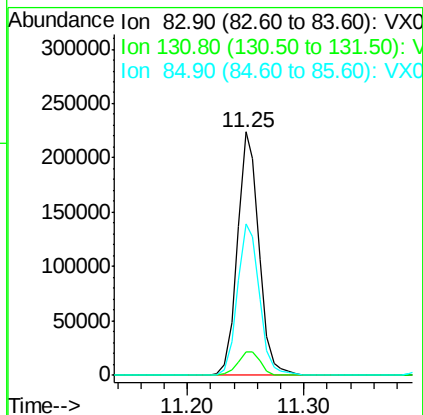
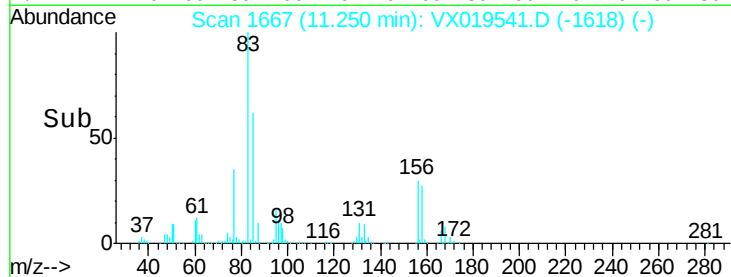
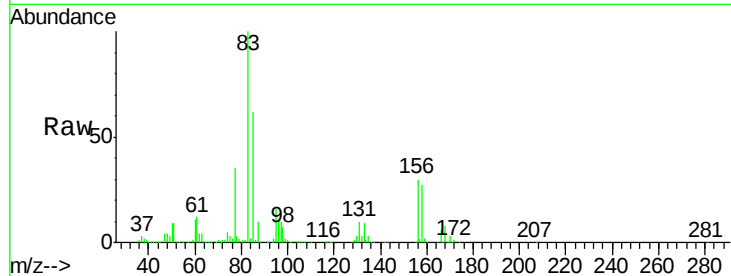
83 100

131 10.2 5.0 15.0

85 63.8 32.4 97.2

Manual Integrations
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11/24/2020 1:09:54 PM



#76

1,2,3-Trichloropropane

Concen: 54.158 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019541.D

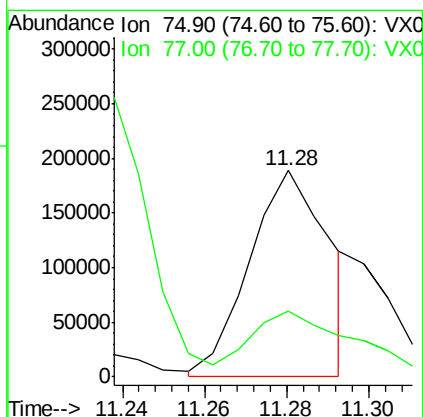
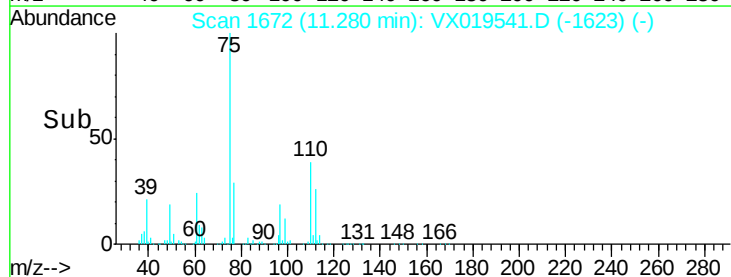
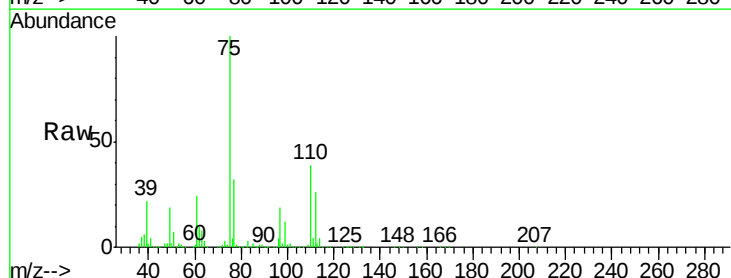
Acq: 23 Nov 2020 10:35

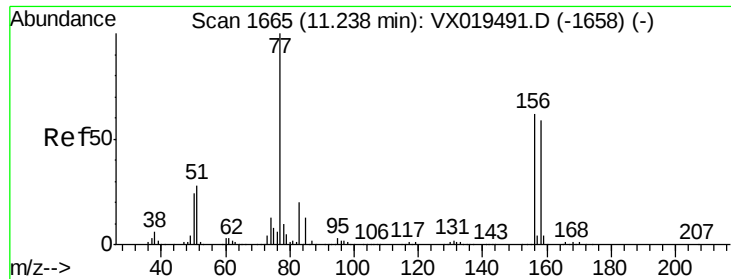
Tgt Ion: 75 Resp: 254283

Ion Ratio Lower Upper

75 100

77 41.6 20.0 60.0





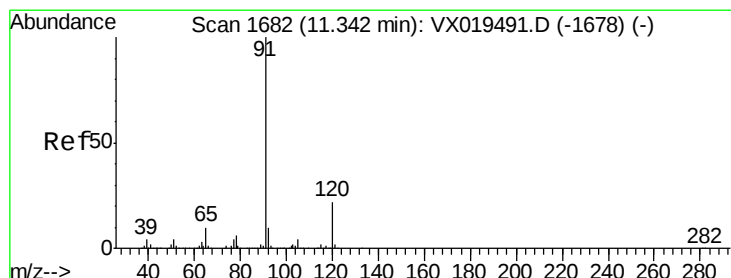
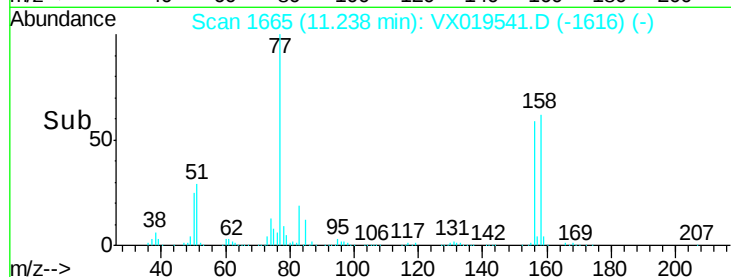
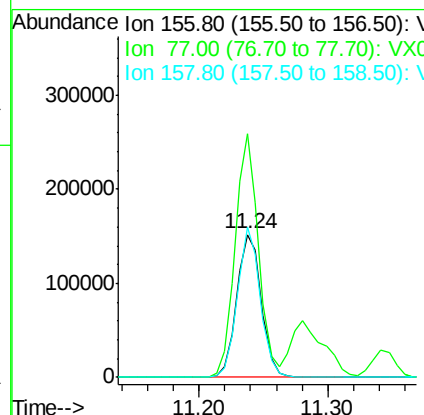
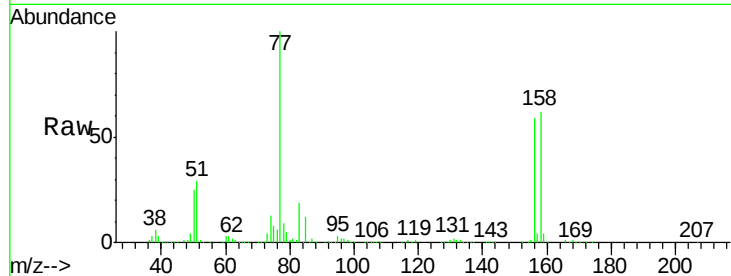
#77
Bromobenzene
Concen: 53.258 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.3	82.5	247.3
158	97.7	48.9	146.7

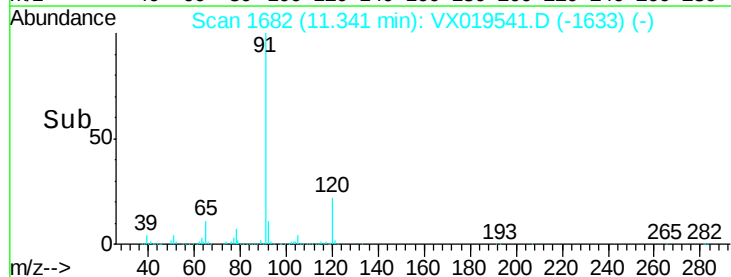
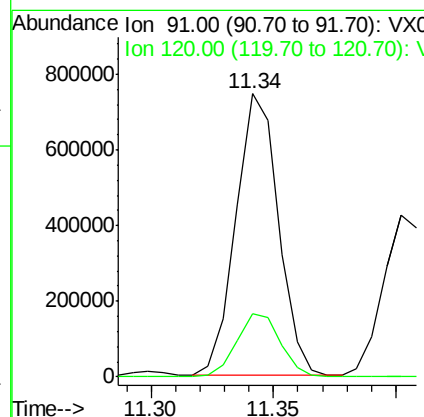
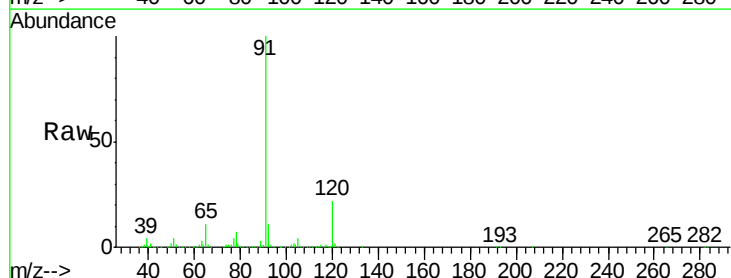
Manual Integrations
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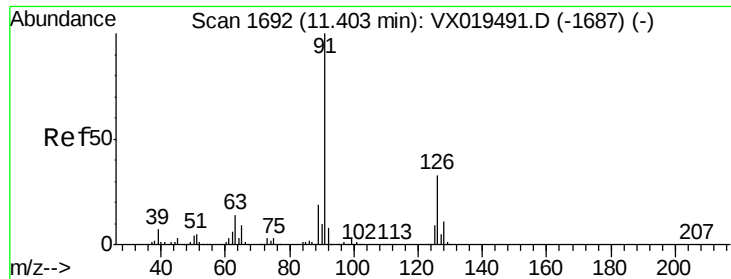
MMDadoda
11/24/2020 1:09:54 PM



#78
n-propylbenzene
Concen: 52.853 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.4





#79

2-Chlorotoluene

Concen: 53.514 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 554125

Ion Ratio Lower Upper

91 100

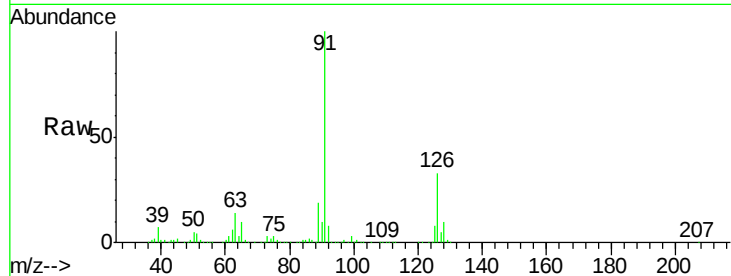
126 33.7 16.7 50.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

800000

600000

400000

200000

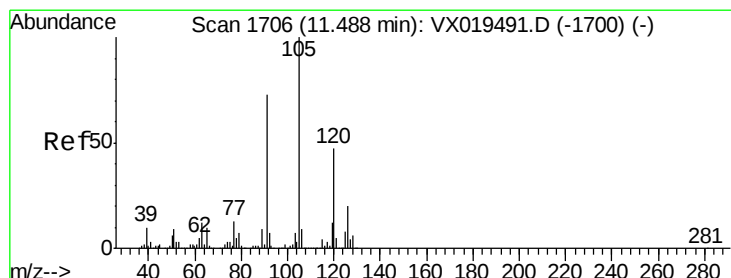
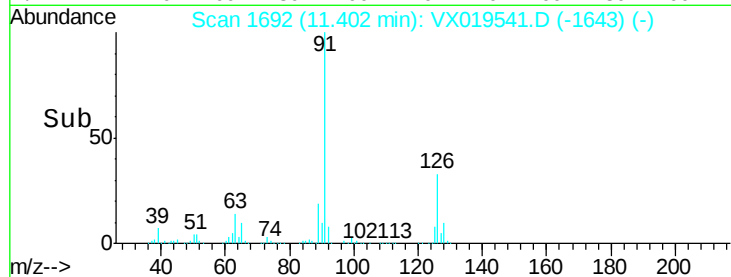
0

11.35

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.164 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019541.D

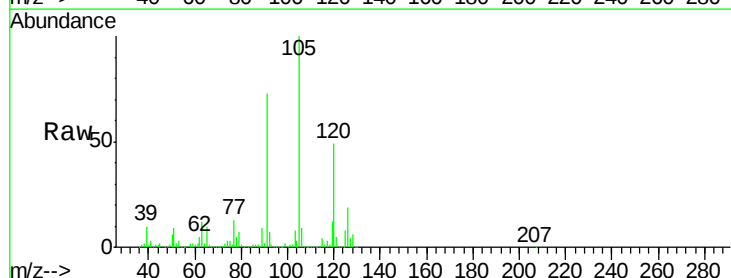
Acq: 23 Nov 2020 10:35

Tgt Ion: 105 Resp: 676253

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

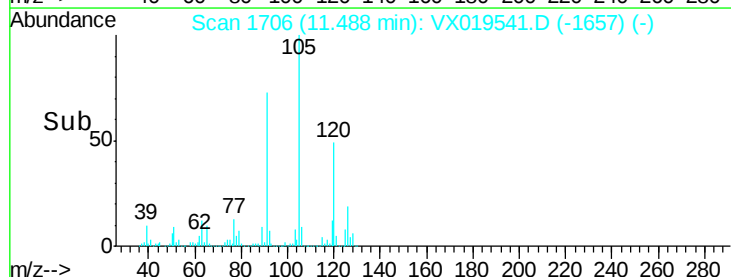
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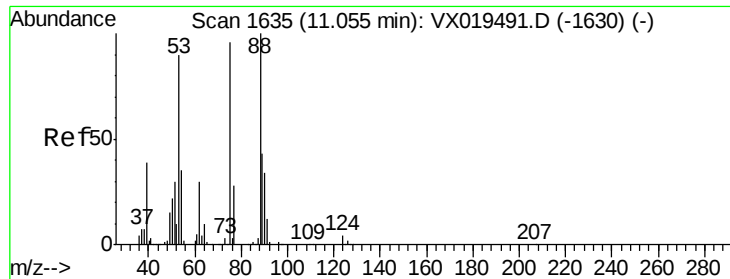
0

11.40

11.50

Time-->





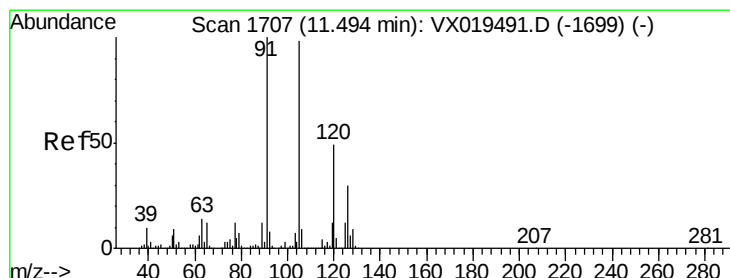
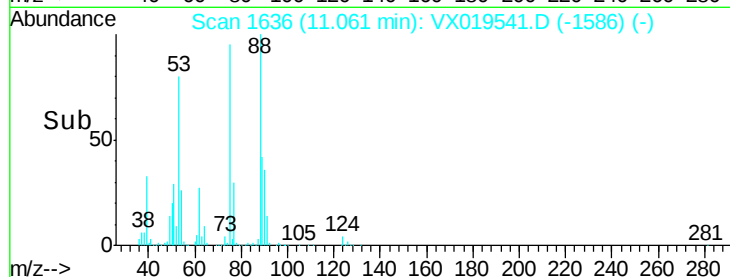
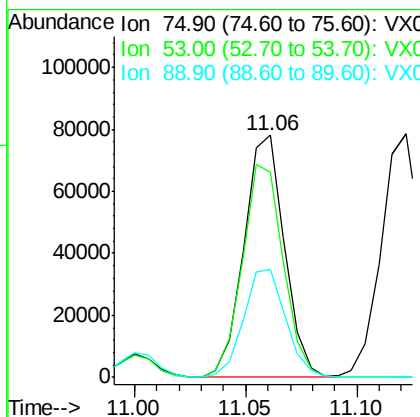
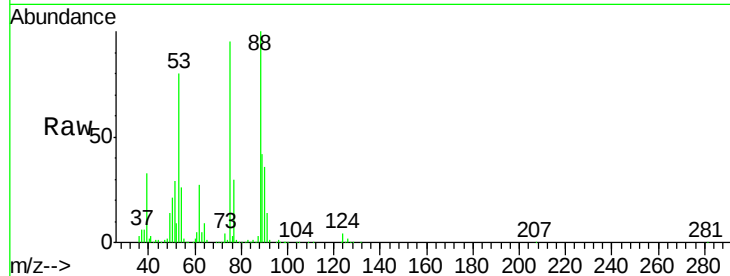
#81
trans-1,4-Dichloro-2-butene
Concen: 56.068 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.4	73.9	110.9
89	46.7	37.3	55.9

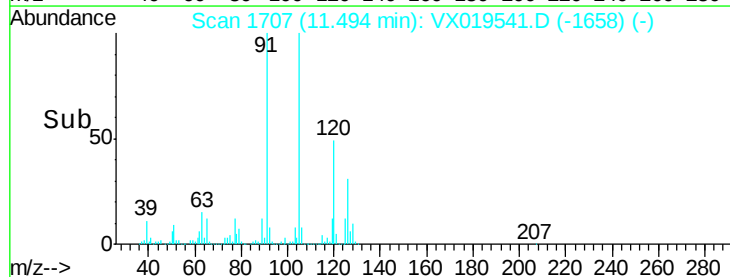
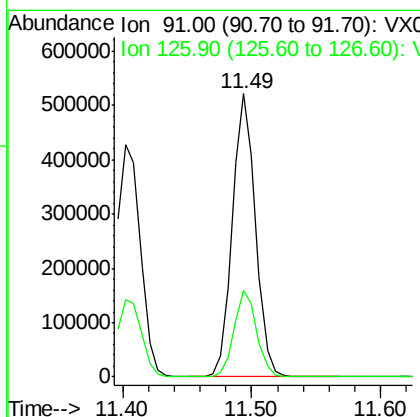
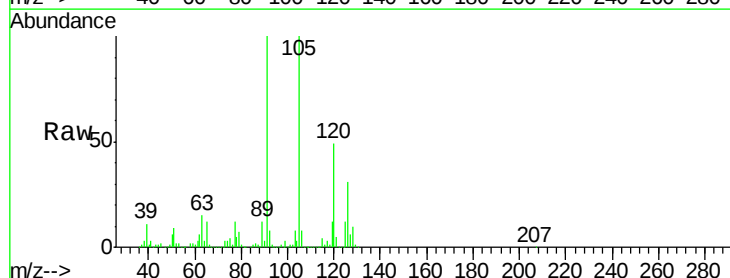
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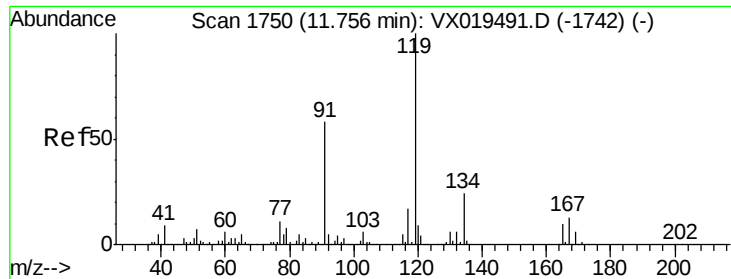
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.401 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.9	44.7





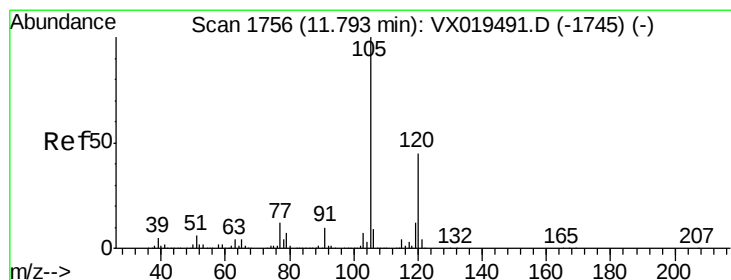
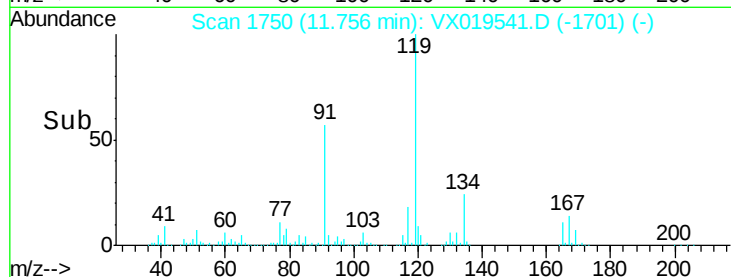
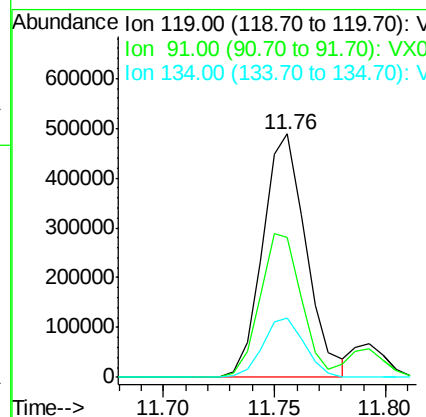
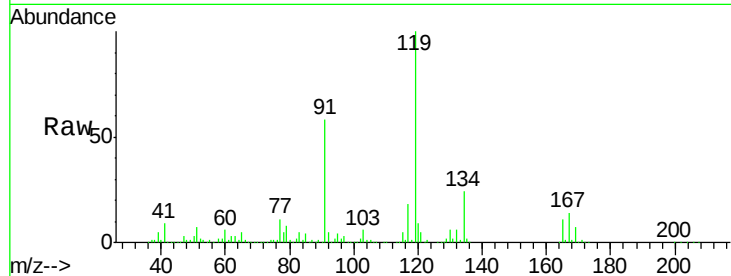
#83
tert-Butylbenzene
Concen: 54.726 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.5	28.9	86.8
134	23.3	11.7	35.0

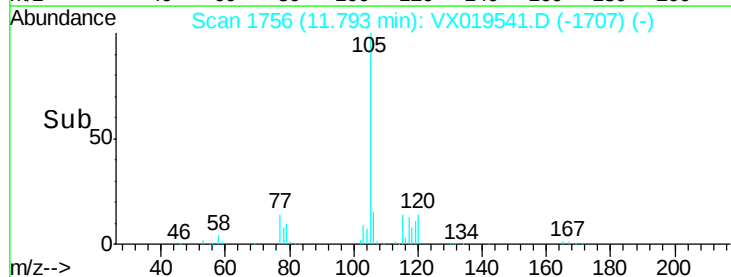
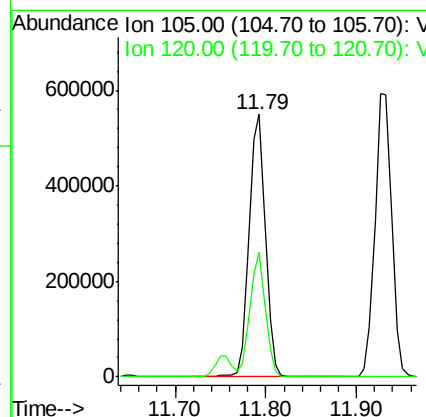
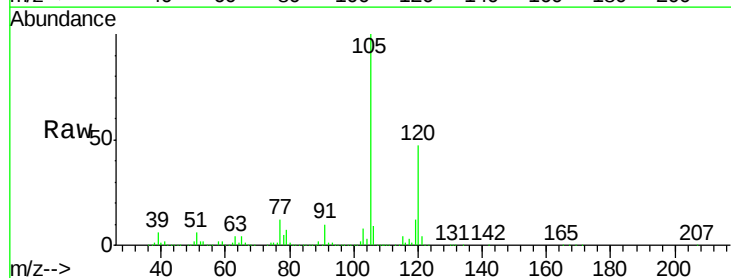
Manual Integrations
APPROVED

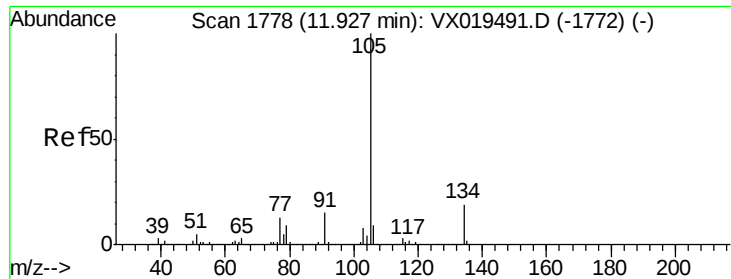
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.334 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.2	66.6





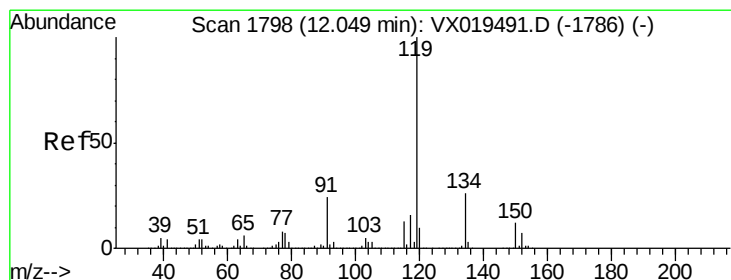
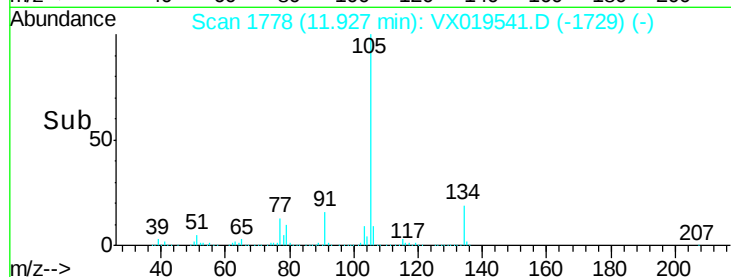
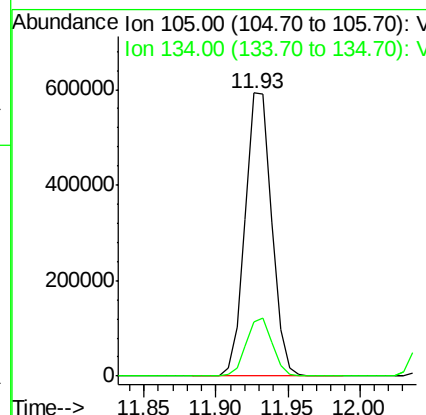
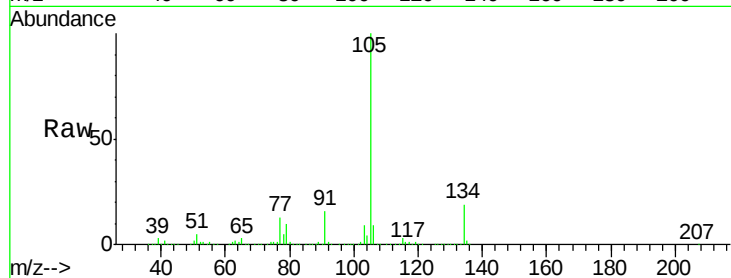
#85
 sec-Butylbenzene
 Concen: 52.735 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019541.D
 Acq: 23 Nov 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.3

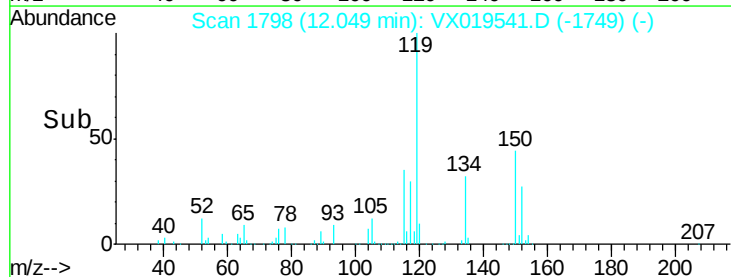
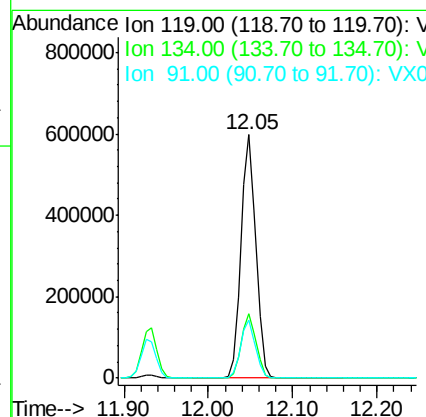
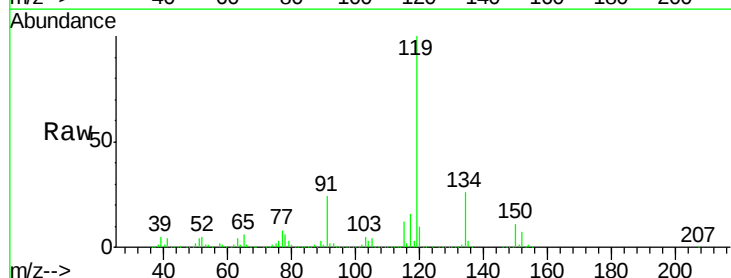
Manual Integrations
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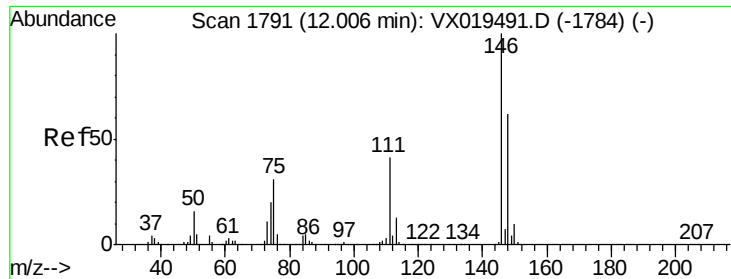
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 11/24/2020 1:09:54 PM



#86
 p-Isopropyltoluene
 Concen: 54.167 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019541.D
 Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.3
91	23.5	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 52.846 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Instrument :

MSVOA_X

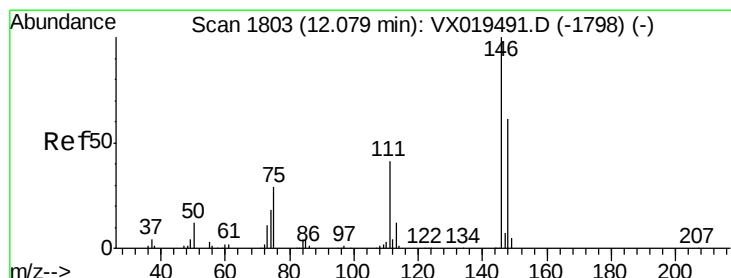
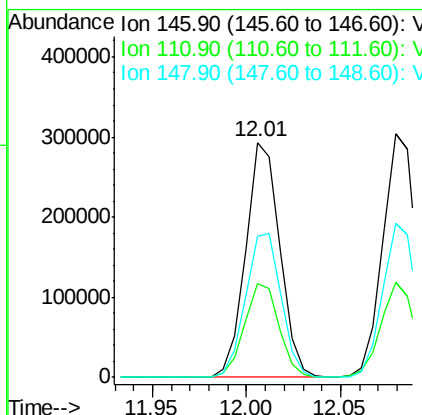
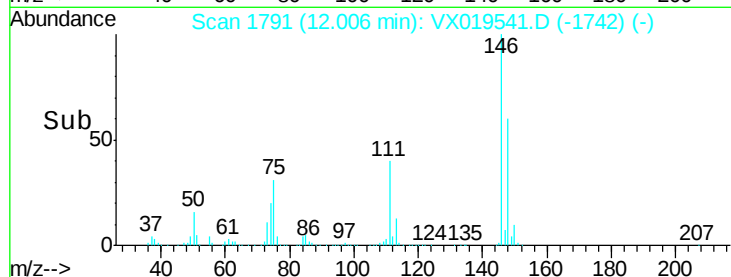
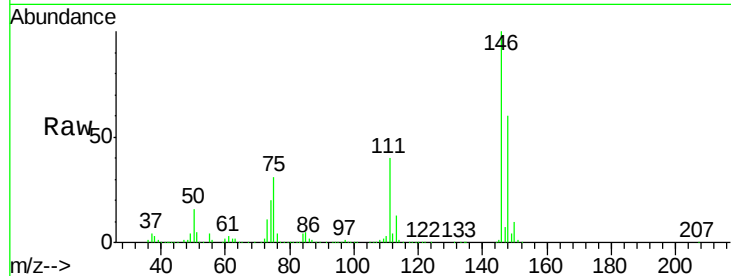
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	368744
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.2	60.6
148	63.8	31.4	94.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.797 ug/l

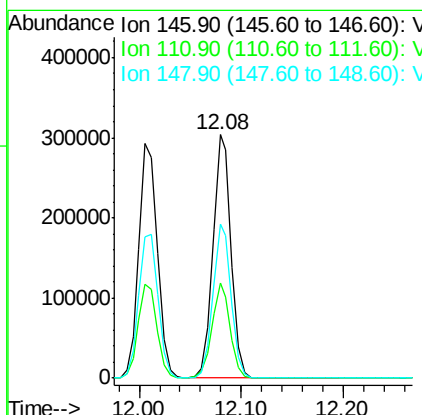
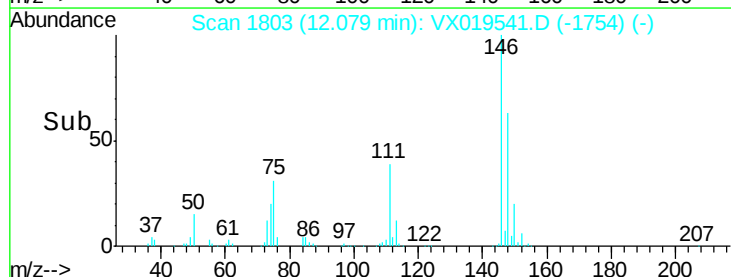
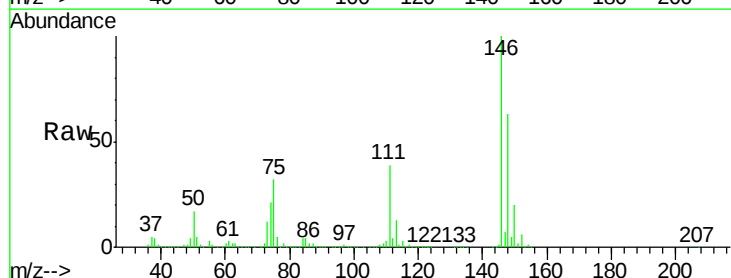
RT: 12.08 min Scan# 1803

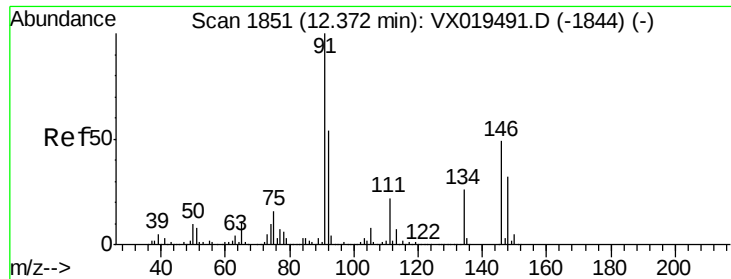
Delta R.T. -0.00 min

Lab File: VX019541.D

Acq: 23 Nov 2020 10:35

Tgt Ion:	146	Resp:	379478
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.9	59.6
148	63.5	31.7	95.1





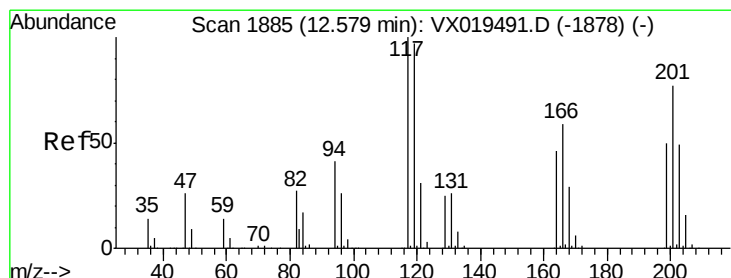
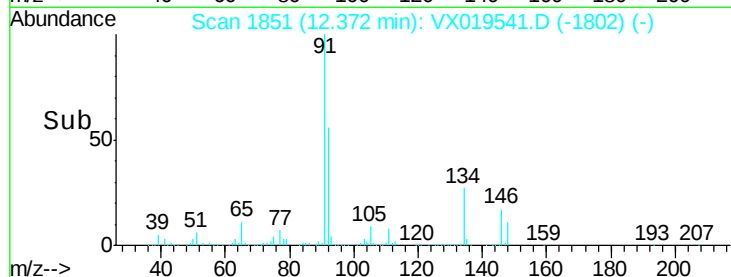
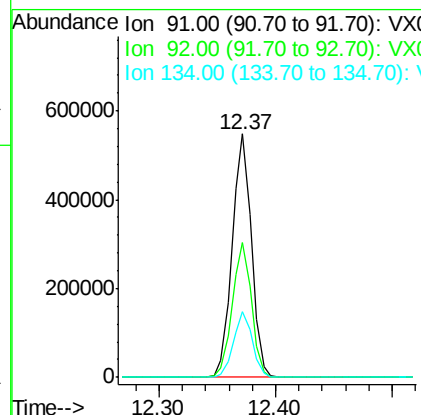
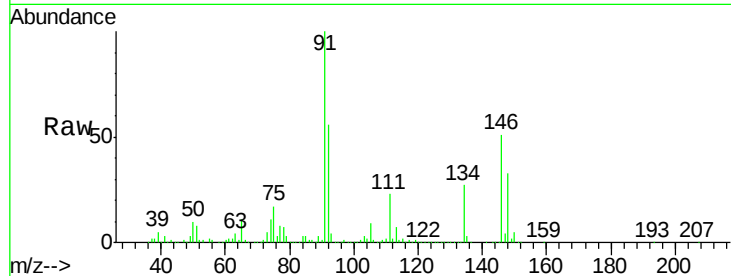
#89
n-Butylbenzene
Concen: 53.041 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	625611		
92	55.4	26.9	80.6	
134	26.5	12.9	38.6	

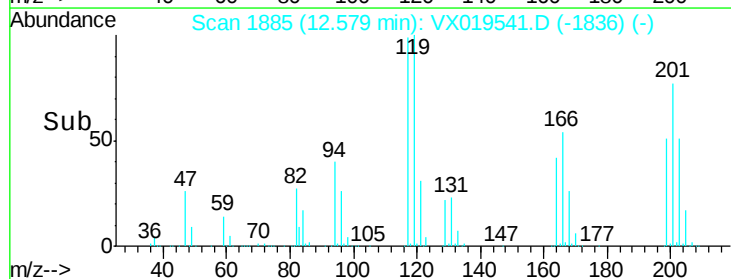
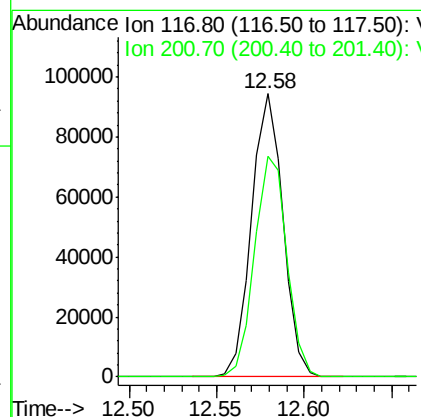
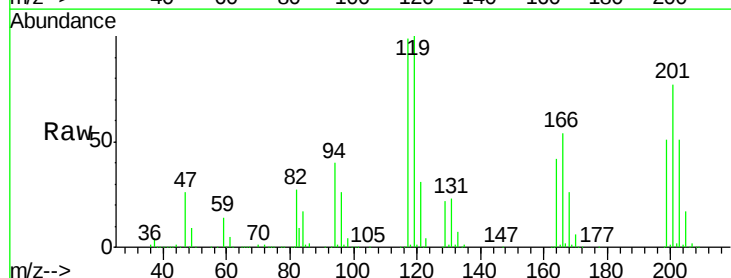
Manual Integrations
APPROVED

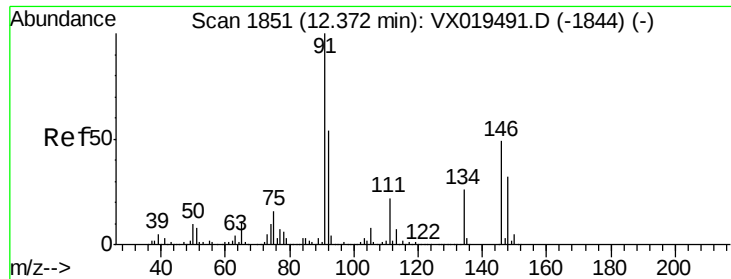
MMDadoda
11/24/2020 1:09:54 PM



#90
Hexachloroethane
Concen: 54.411 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	118787		
201	80.2	39.4	118.2	





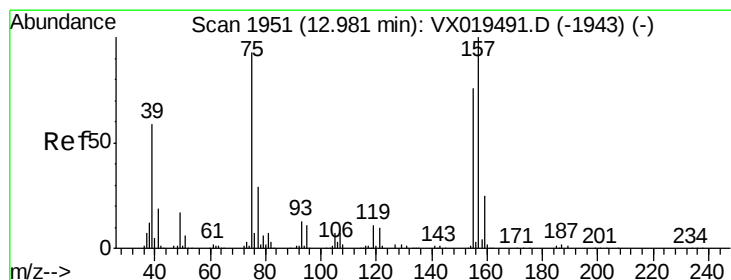
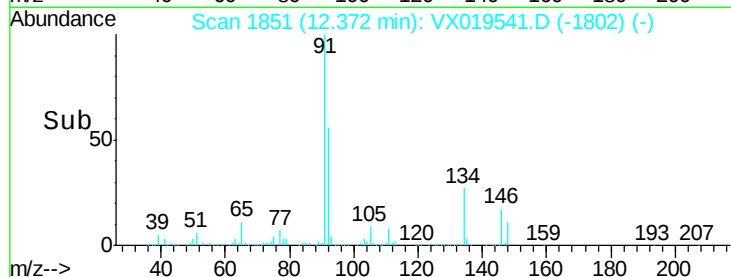
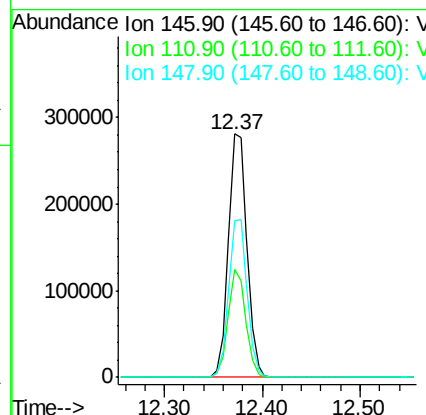
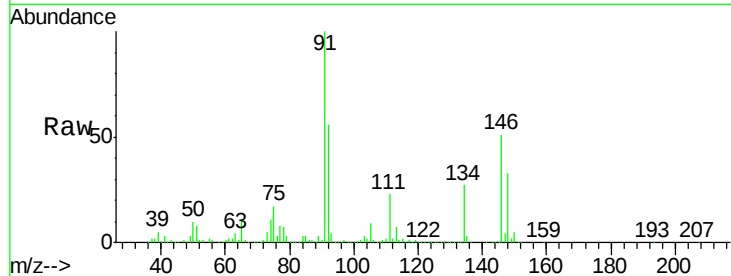
#91
1,2-Dichlorobenzene
Concen: 52.665 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.3
148	64.4	32.4	97.0

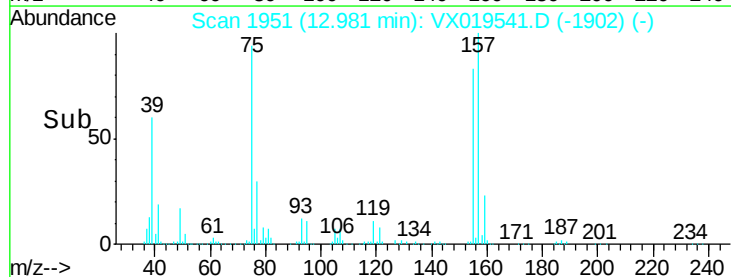
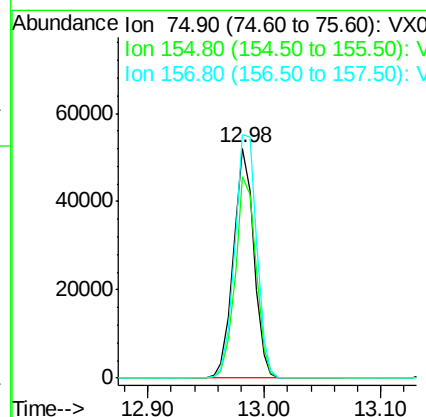
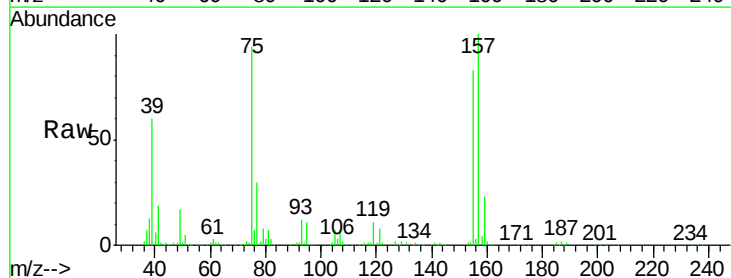
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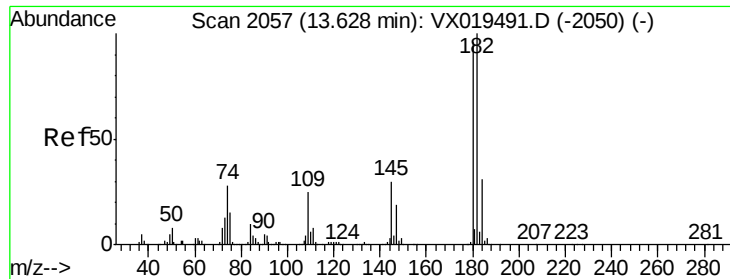
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#92
1,2-Dibromo-3-Chloropropane
Concen: 58.798 ug/l
RT: 12.98 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	43.6	130.9
157	114.0	57.0	170.8





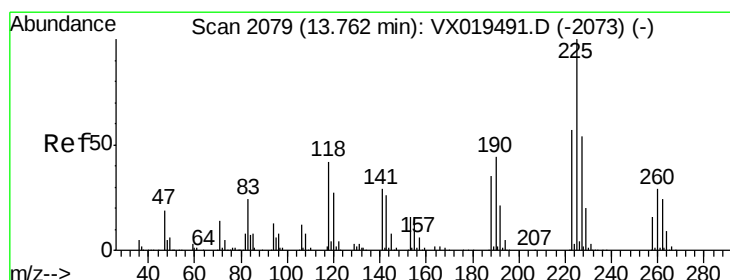
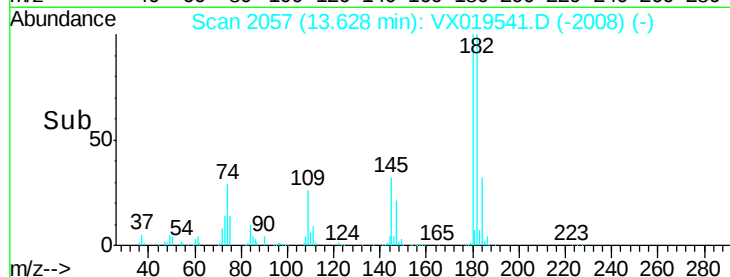
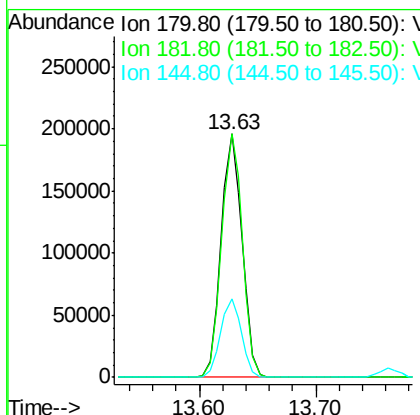
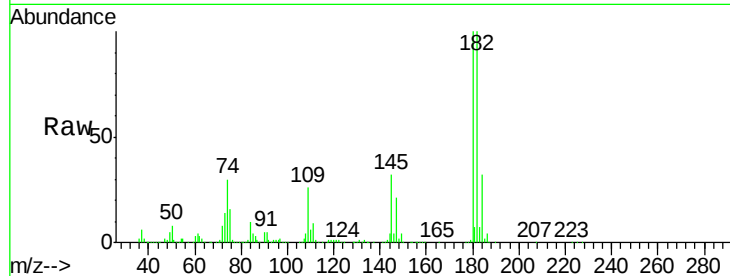
#93
 1,2,4-Trichlorobenzene
 Concen: 53.933 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019541.D
 Acq: 23 Nov 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	242666		
182	98.9	48.6	145.9	
145	32.2	15.9	47.7	

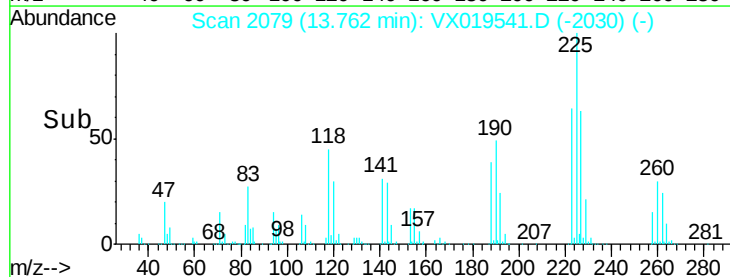
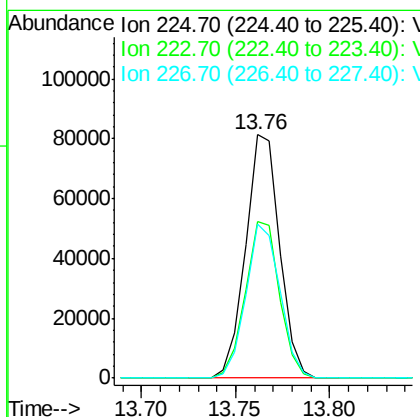
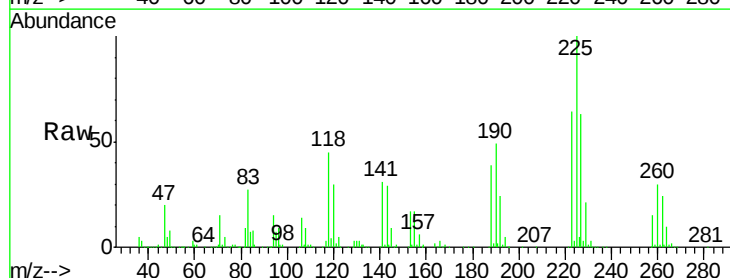
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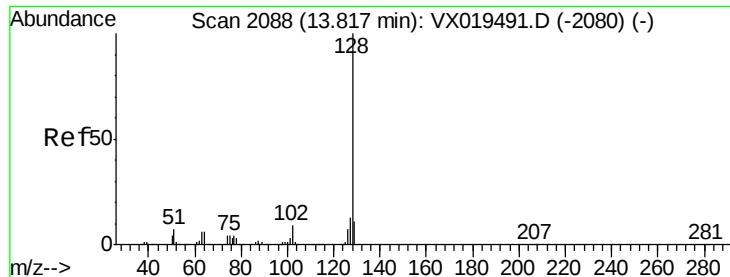
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#94
 Hexachlorobutadiene
 Concen: 49.607 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VX019541.D
 Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101678		
223	64.5	32.5	97.5	
227	63.5	32.8	98.3	





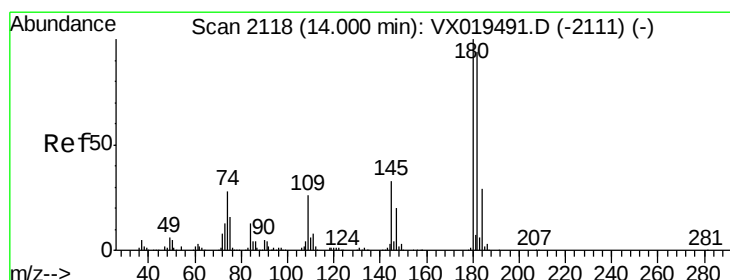
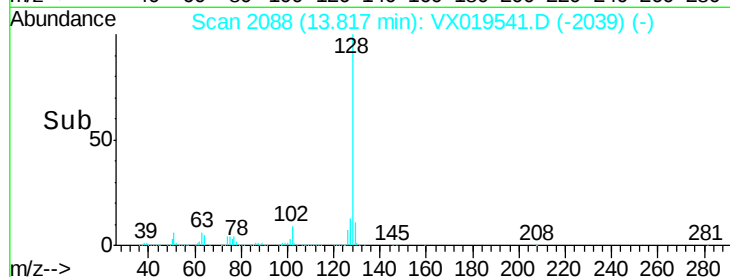
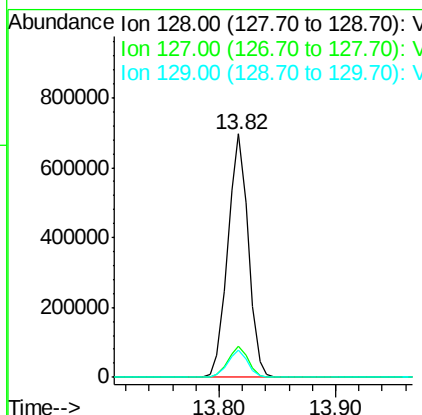
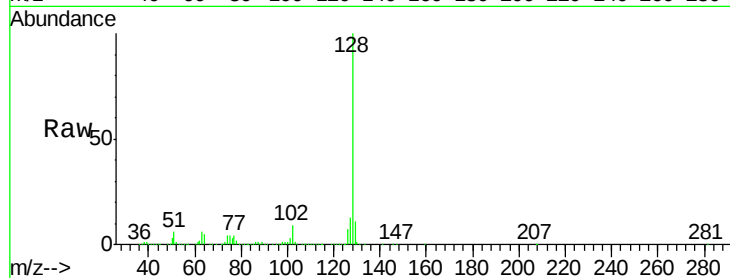
#95
Naphthalene
Concen: 53.026 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 55.678 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019541.D
Acq: 23 Nov 2020 10:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.1	144.3
145	32.5	16.6	49.8

