

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\
 Data File : VX019329.D
 Acq On : 06 Nov 2020 10:02
 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
 11/9/2020 9:37:09 AM

Quant Time: Nov 07 01:32:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	271215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	447052	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	406269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	214297	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	166724	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	5.46	113	132588	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
50) Toluene-d8	8.70	98	497170	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	11.12	95	200388	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.18	85	115256	50.975	ug/l	98
3) Chloromethane	1.31	50	124314	49.214	ug/l	100
4) Vinyl Chloride	1.39	62	153348	52.347	ug/l	97
5) Bromomethane	1.62	94	97611	48.791	ug/l	100
6) Chloroethane	1.71	64	101306	54.163	ug/l	97
7) Trichlorofluoromethane	1.92	101	241500	52.474	ug/l	97
8) Diethyl Ether	2.17	74	96049	54.379	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	136847	53.646	ug/l	98
10) Methyl Iodide	2.49	142	141911	47.497	ug/l	100
11) Tert butyl alcohol	3.01	59	177476	256.900	ug/l	99
12) 1,1-Dichloroethene	2.36	96	136773	52.031	ug/l	98
13) Acrolein	2.27	56	79210	256.302	ug/l	99
14) Allyl chloride	2.70	41	221178	55.551	ug/l	99
15) Acrylonitrile	3.11	53	396925	273.422	ug/l	100
16) Acetone	2.42	43	349081	289.302	ug/l	99
17) Carbon Disulfide	2.55	76	363030	48.473	ug/l	100
18) Methyl Acetate	2.75	43	162648	55.432	ug/l	99
19) Methyl tert-butyl Ether	3.16	73	499464	54.838	ug/l	99
20) Methylene Chloride	2.83	84	156515	51.667	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	154124	50.945	ug/l	96
22) Diisopropyl ether	3.82	45	455848	57.429	ug/l	97
23) Vinyl Acetate	3.78	43	2003166	282.997	ug/l	98
24) 1,1-Dichloroethane	3.67	63	271780	54.839	ug/l	99
25) 2-Butanone	4.62	43	535626	281.663	ug/l	99
26) 2,2-Dichloropropane	4.54	77	256115	54.972	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	176373	52.171	ug/l	95
28) Bromochloromethane	4.98	49	112676	50.011	ug/l	93
29) Tetrahydrofuran	5.08	42	333759	278.501	ug/l	97
30) Chloroform	5.17	83	286978	54.402	ug/l	99
31) Cyclohexane	5.54	56	236351	53.457	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	257720	53.887	ug/l	100
36) 1,1-Dichloropropene	5.76	75	219574	53.189	ug/l	99
37) Ethyl Acetate	4.78	43	206625	53.908	ug/l	99
38) Carbon Tetrachloride	5.75	117	222146	52.793	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	258639	52.397	ug/l	98
40) Benzene	6.11	78	624587	53.362	ug/l	99
41) Methacrylonitrile	5.00	41	110372	53.471	ug/l	99
42) 1,2-Dichloroethane	6.15	62	231961	53.773	ug/l	100
43) Isopropyl Acetate	6.40	43	346815	54.038	ug/l	99
44) Trichloroethene	7.18	130	172173	51.362	ug/l	95
45) 1,2-Dichloropropane	7.48	63	159169	55.520	ug/l	97
46) Dibromomethane	7.63	93	111427	52.561	ug/l	97
47) Bromodichloromethane	7.87	83	229823	55.000	ug/l	98
48) Methyl methacrylate	7.74	41	170054	55.051	ug/l	98
49) 1,4-Dioxane	7.71	88	69525	1012.064	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1030128	279.265	ug/l	99
52) Toluene	8.76	92	405763	53.825	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	260181	54.514	ug/l	99
54) cis-1,3-Dichloropropene	8.41	75	276591	55.111	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	160094	53.748	ug/l	99
56) Ethyl methacrylate	9.16	69	251984	56.009	ug/l	98
57) 1,3-Dichloropropane	9.35	76	273305	54.423	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	654615	260.168	ug/l	97
59) 2-Hexanone	9.47	43	808877	288.074	ug/l	99
60) Dibromochloromethane	9.56	129	172959	53.506	ug/l	98
61) 1,2-Dibromoethane	9.65	107	170416	53.503	ug/l	98
64) Tetrachloroethene	9.32	164	161741	52.253	ug/l	98
65) Chlorobenzene	10.12	112	428260	51.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	155043	51.865	ug/l	98
67) Ethyl Benzene	10.23	91	787419	53.216	ug/l	100
68) m/p-Xylenes	10.34	106	591113	106.441	ug/l	97
69) o-Xylene	10.68	106	280723	53.295	ug/l	99
70) Styrene	10.70	104	489182	54.430	ug/l	99
71) Bromoform	10.84	173	124341	52.461	ug/l #	99
73) Isopropylbenzene	11.00	105	774931	51.086	ug/l	99
74) N-amyl acetate	10.88	43	298803	53.875	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	248300	52.376	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	242058m	54.705	ug/l	
77) Bromobenzene	11.24	156	187179	49.719	ug/l	94
78) n-propylbenzene	11.34	91	903281	52.165	ug/l	99
79) 2-Chlorotoluene	11.40	91	533372	52.319	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	665844	51.959	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	84959	50.555	ug/l	98
82) 4-Chlorotoluene	11.49	91	638163	51.262	ug/l	99
83) tert-Butylbenzene	11.76	119	624544	50.900	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	668908	51.704	ug/l	99
85) sec-Butylbenzene	11.93	105	757759	51.491	ug/l	99
86) p-Isopropyltoluene	12.05	119	704090	51.835	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	357264	50.958	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	364485	49.943	ug/l	100
89) n-Butylbenzene	12.37	91	665022	52.086	ug/l	99
90) Hexachloroethane	12.58	117	121043	52.427	ug/l	95
91) 1,2-Dichlorobenzene	12.37	146	340730	50.612	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	56977	49.095	ug/l	95

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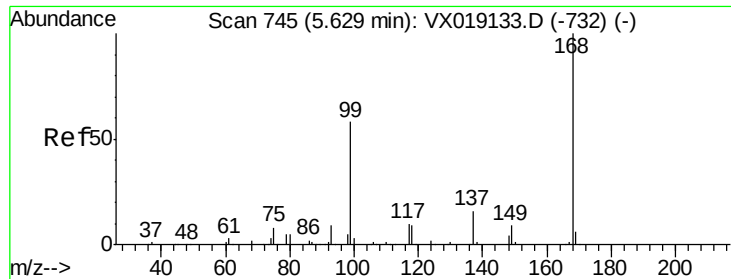
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	231985	45.876	ug/l	95
94) Hexachlorobutadiene	13.76	225	96434	43.322	ug/l	98
95) Naphthalene	13.82	128	766883	48.152	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	224094	45.681	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 271215

Ion Ratio Lower Upper

168 100

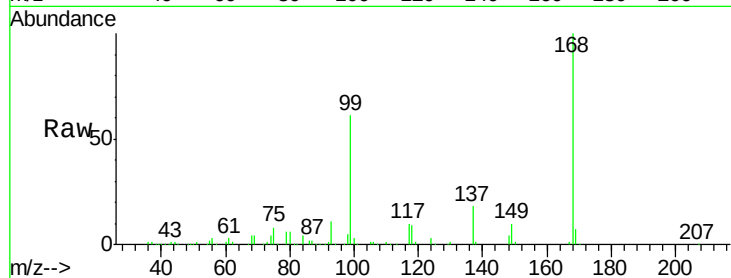
99 61.2 46.6 69.8

Manual Integrations

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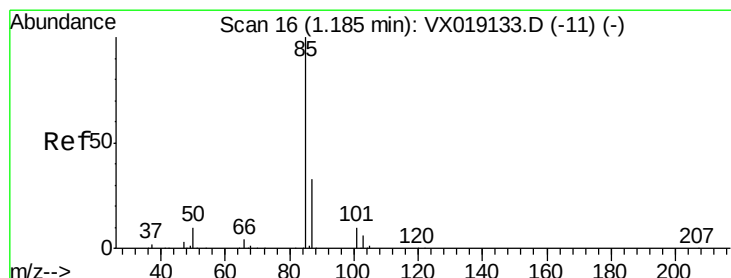
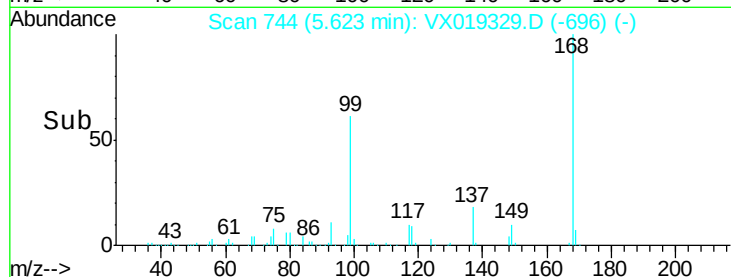
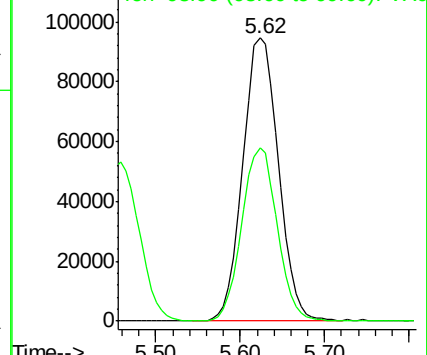
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 50.975 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019329.D

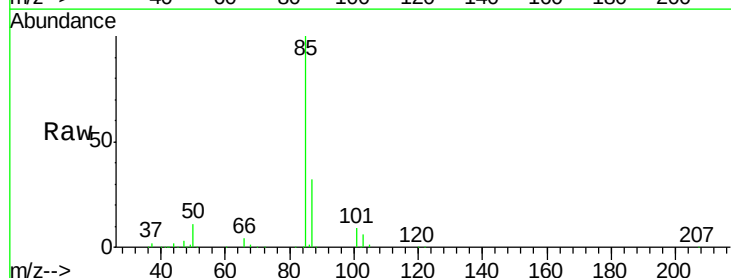
Acq: 06 Nov 2020 10:02

Tgt Ion: 85 Resp: 115256

Ion Ratio Lower Upper

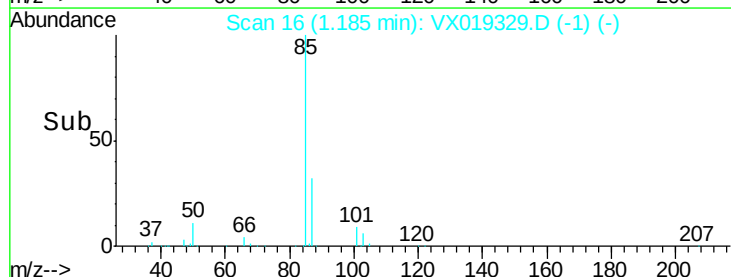
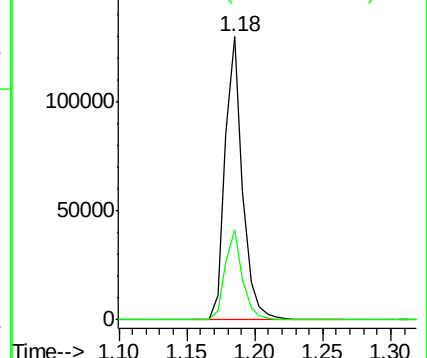
85 100

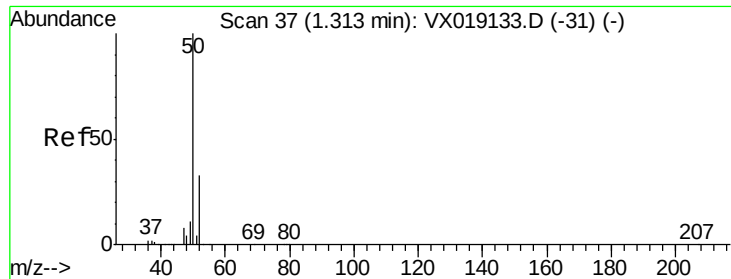
87 32.0 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.214 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 124314

Ion Ratio Lower Upper

50 100

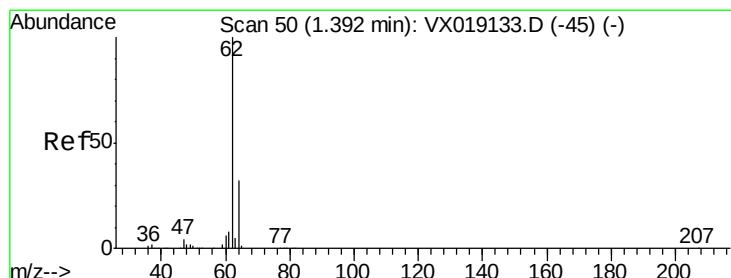
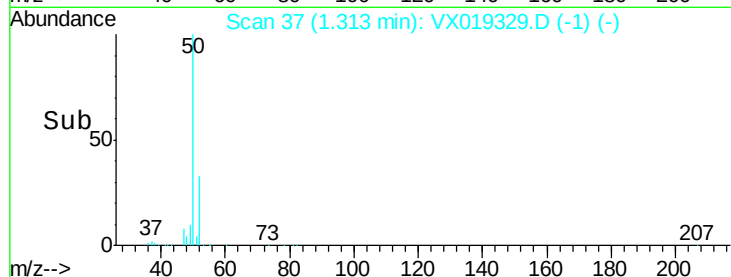
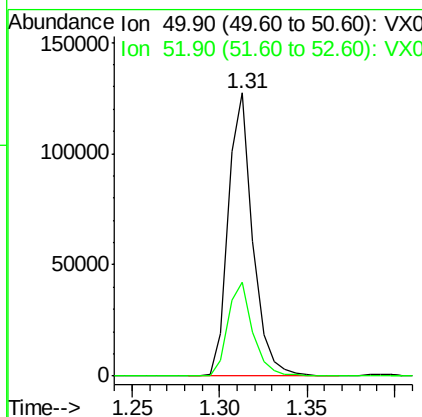
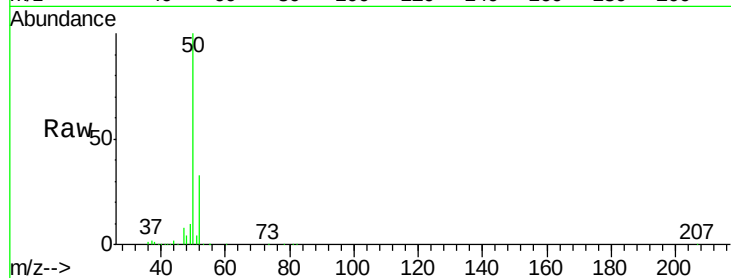
52 33.4 26.8 40.2

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#4

Vinyl Chloride

Concen: 52.347 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019329.D

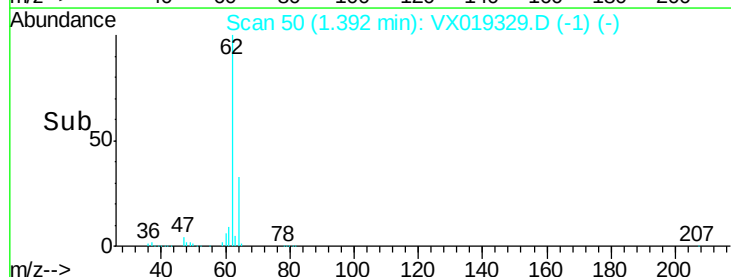
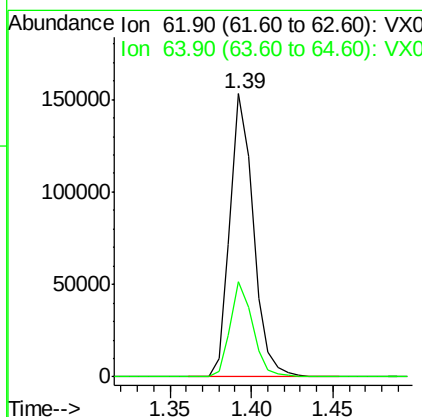
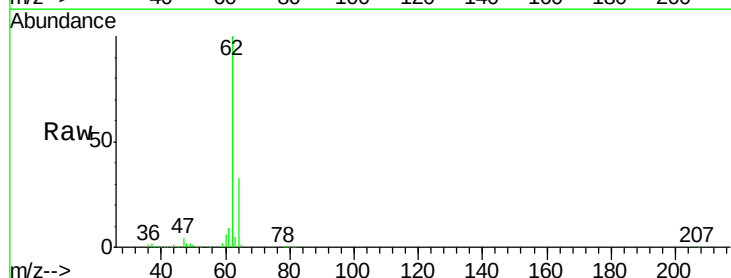
Acq: 06 Nov 2020 10:02

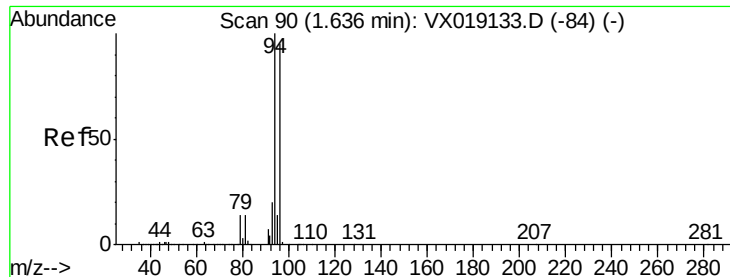
Tgt Ion: 62 Resp: 153348

Ion Ratio Lower Upper

62 100

64 33.5 25.4 38.0





#5

Bromomethane

Concen: 48.791 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 97611

Ion Ratio Lower Upper

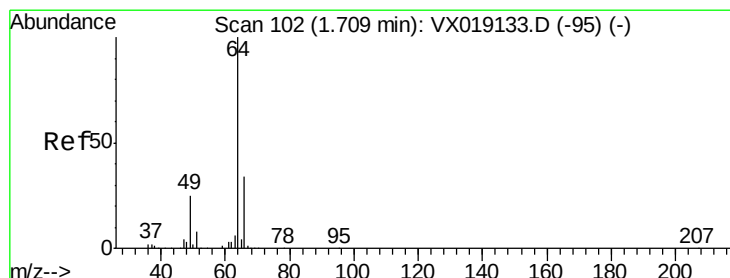
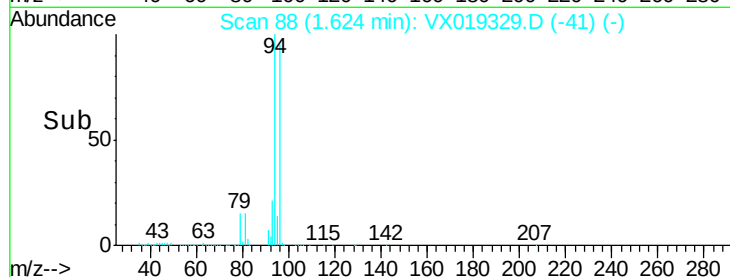
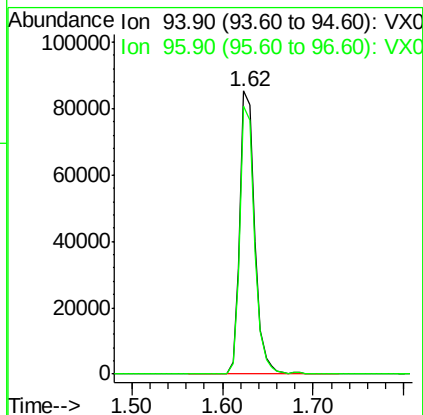
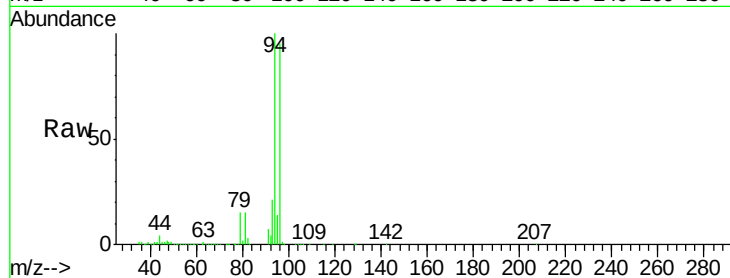
94 100

96 94.8 76.0 114.0

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#6

Chloroethane

Concen: 54.163 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX019329.D

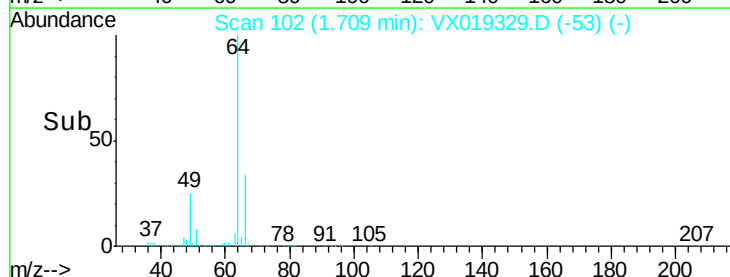
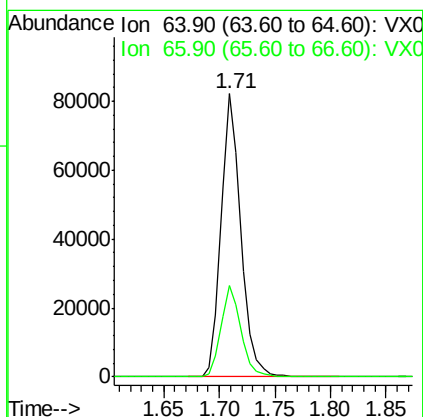
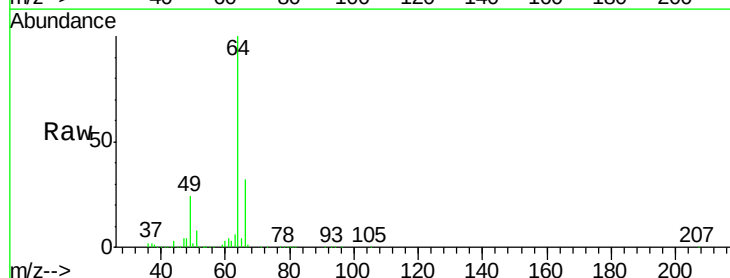
Acq: 06 Nov 2020 10:02

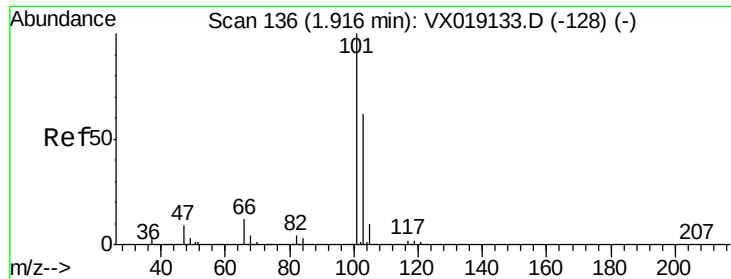
Tgt Ion: 64 Resp: 101306

Ion Ratio Lower Upper

64 100

66 32.2 27.1 40.7





#7

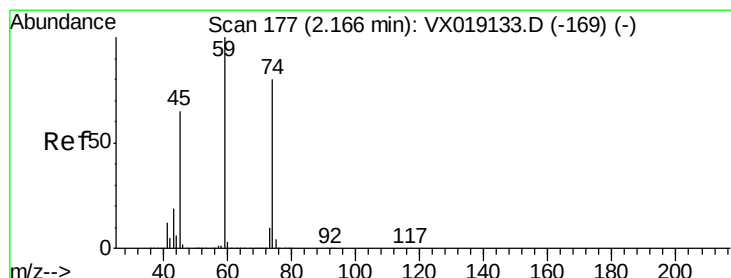
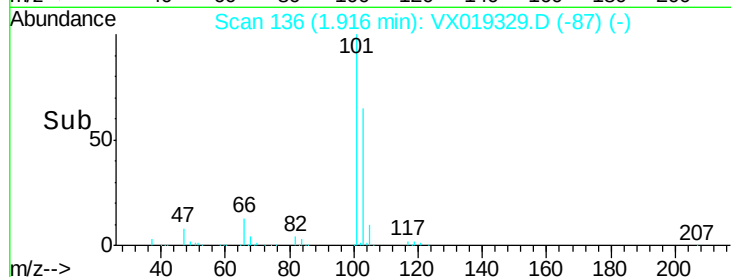
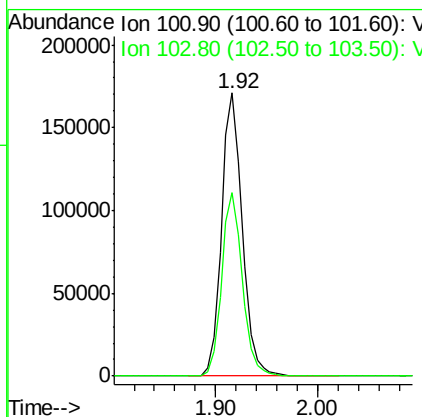
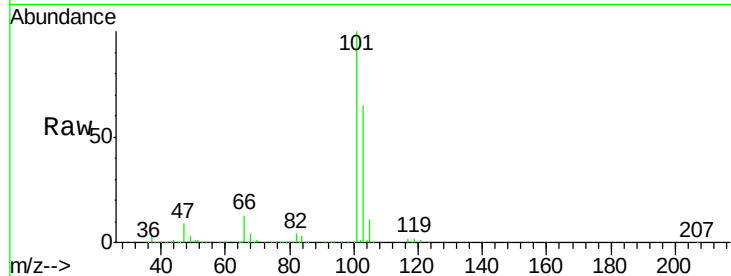
Trichlorofluoromethane
Concen: 52.474 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX019329.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.0	75.0

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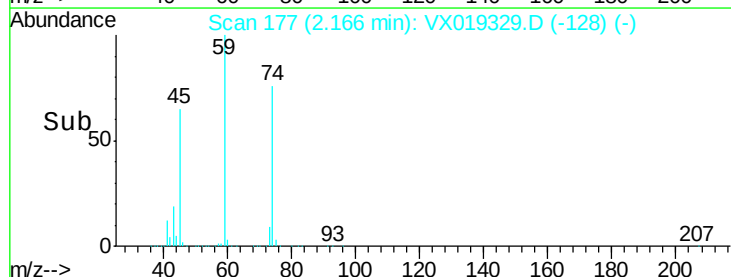
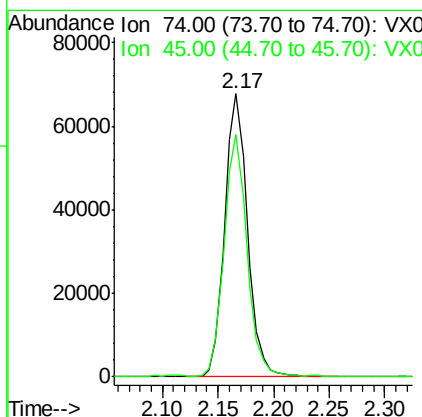
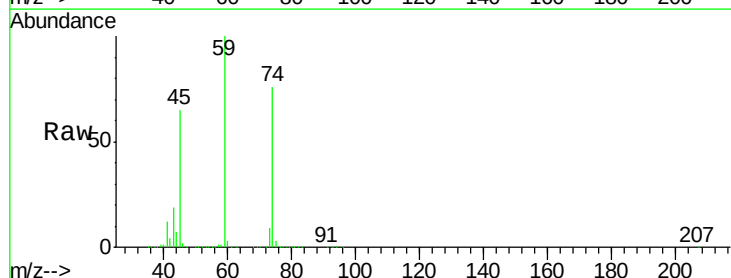
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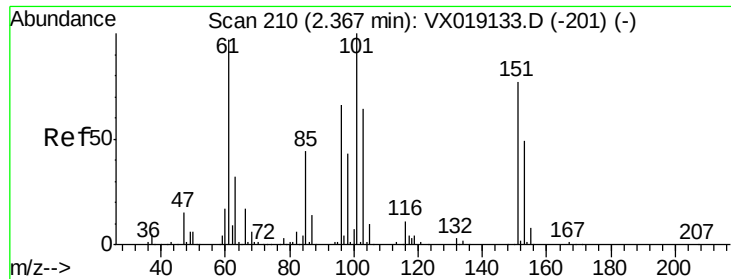


#8

Diethyl Ether
Concen: 54.379 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.4	41.0	123.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.646 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

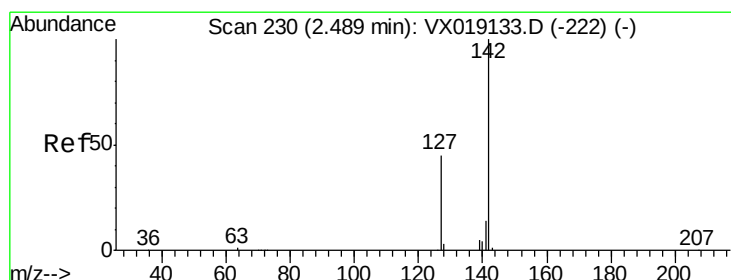
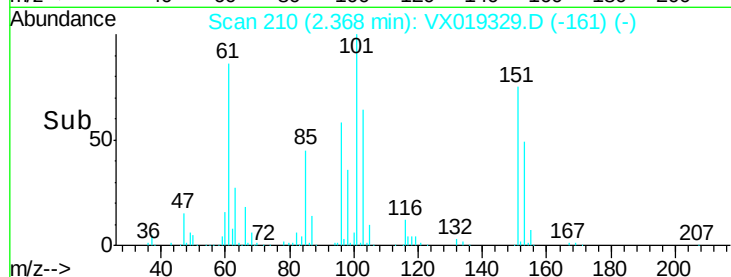
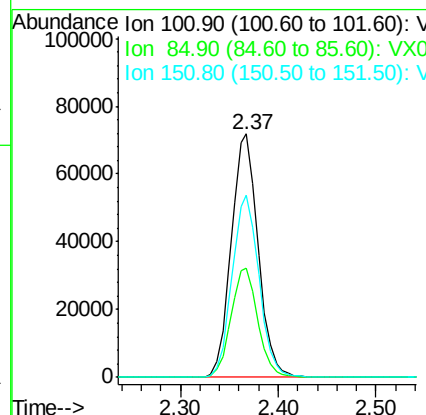
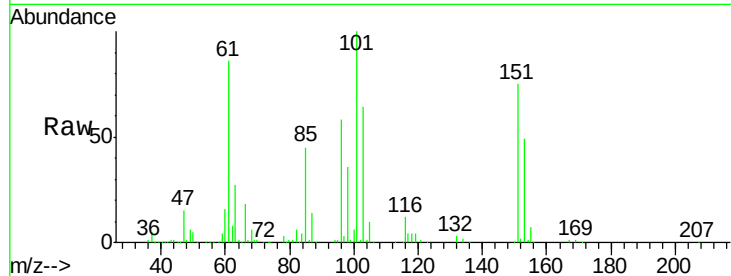
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	136847
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.0	52.4
151	74.9	61.4	92.2

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#10

Methyl Iodide

Concen: 47.497 ug/l

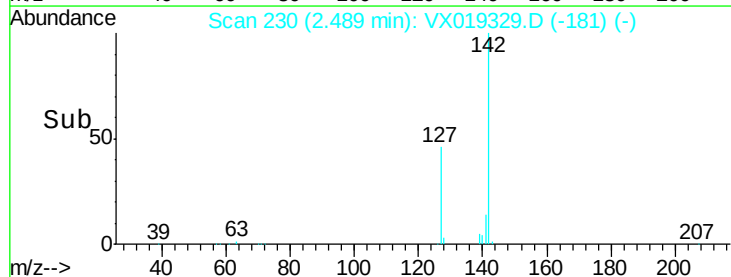
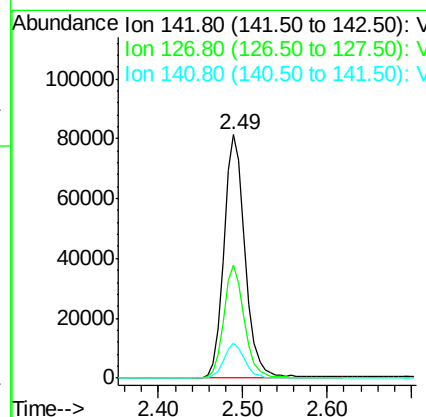
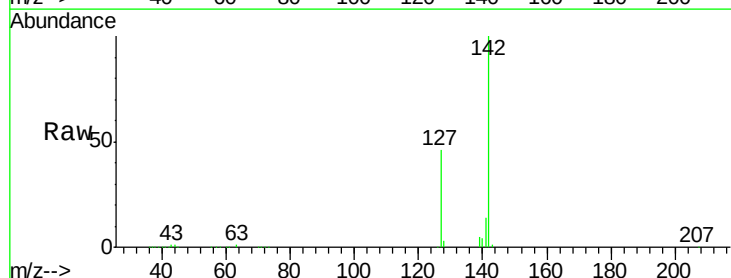
RT: 2.49 min Scan# 230

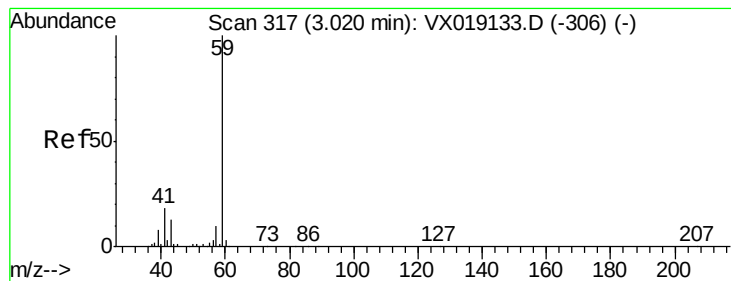
Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Tgt Ion:	142	Resp:	141911
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.1	54.1
141	14.0	11.3	16.9





#11

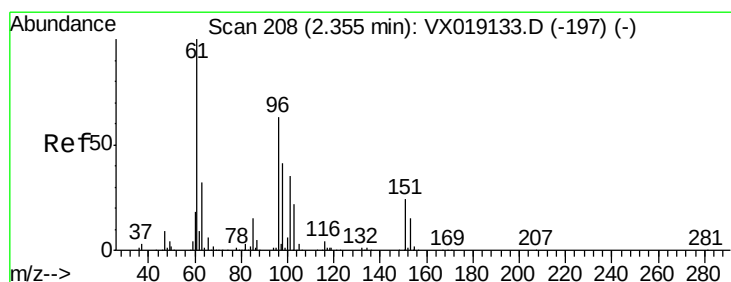
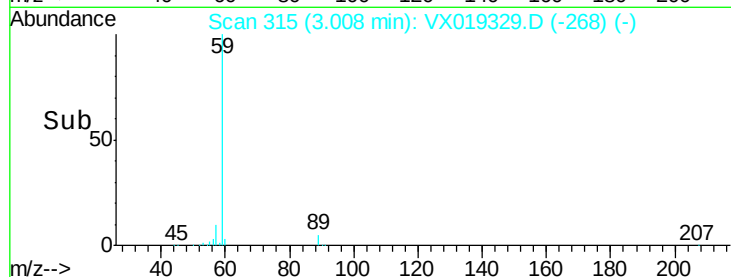
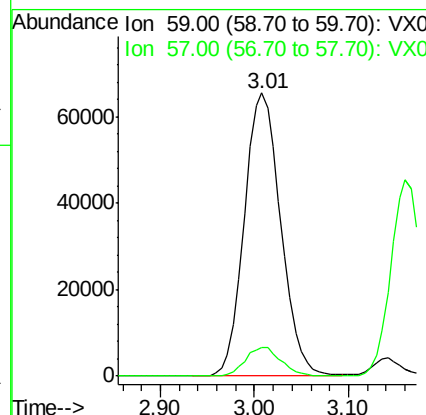
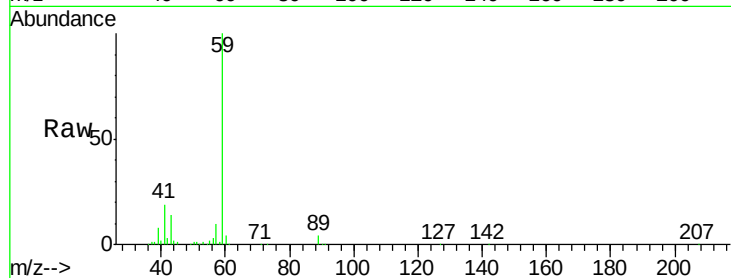
Tert butyl alcohol
Concen: 256.900 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

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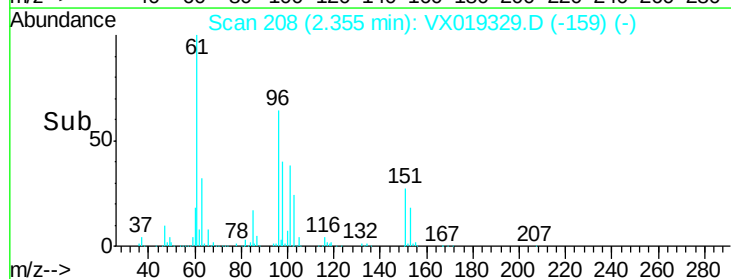
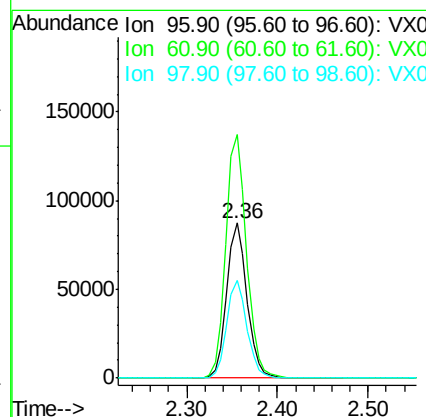
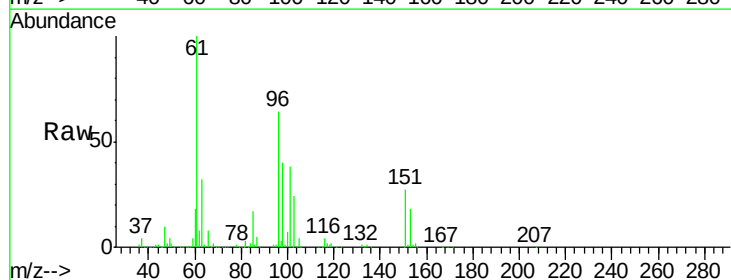
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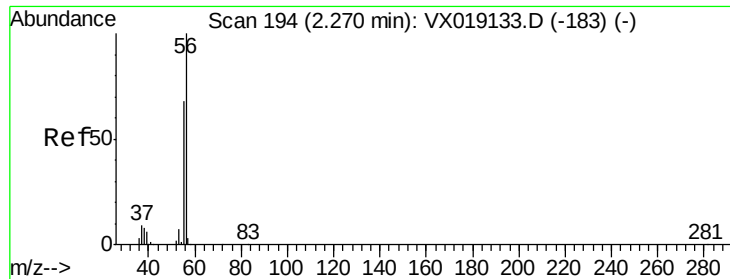


#12

1,1-Dichloroethene
Concen: 52.031 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	127.7	191.5
98	63.2	52.1	78.1





#13

Acrolein

Concen: 256.302 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 79210

Ion Ratio Lower Upper

56 100

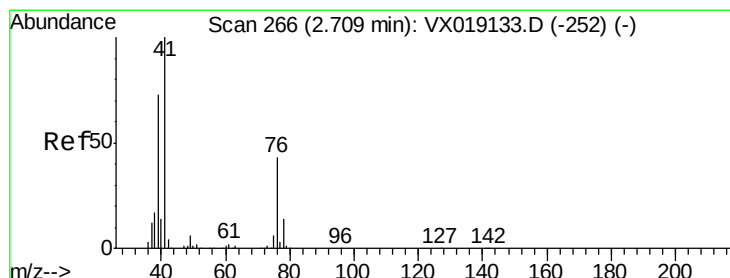
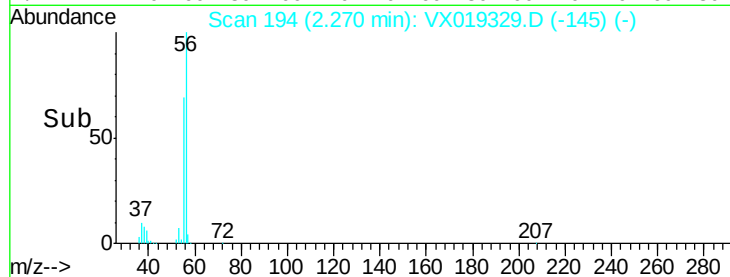
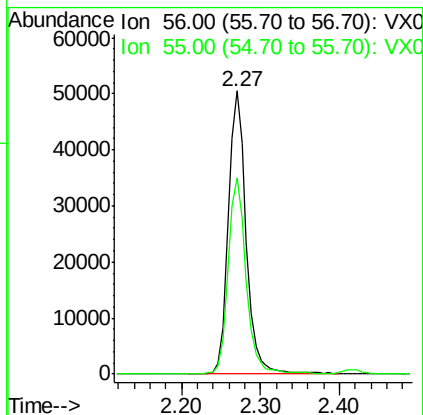
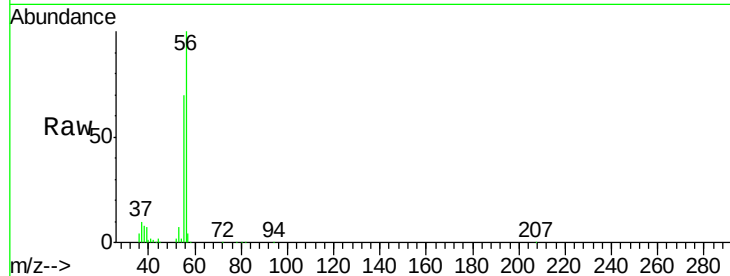
55 69.3 54.7 82.1

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#14

Allyl chloride

Concen: 55.551 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

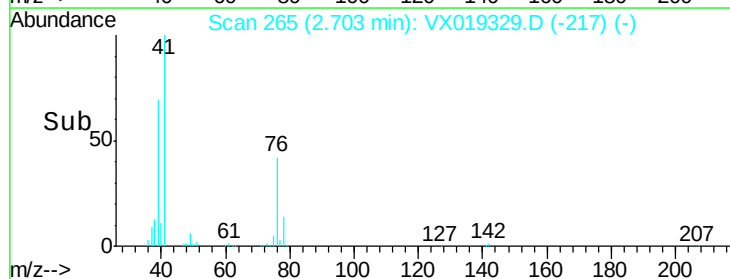
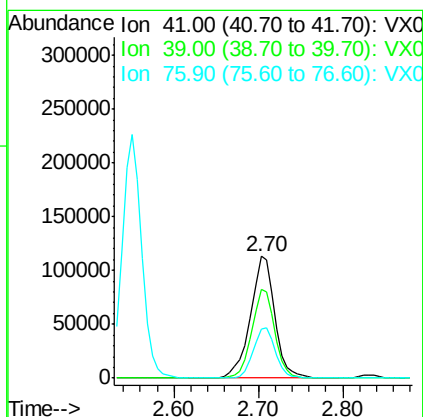
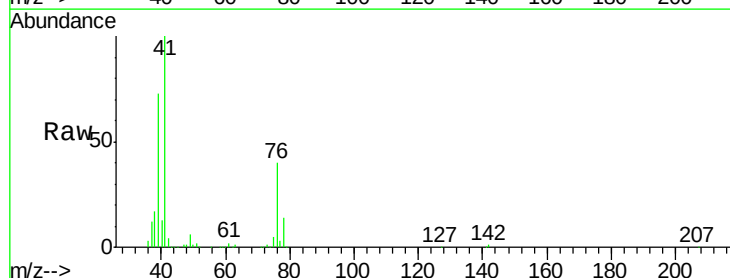
Tgt Ion: 41 Resp: 221178

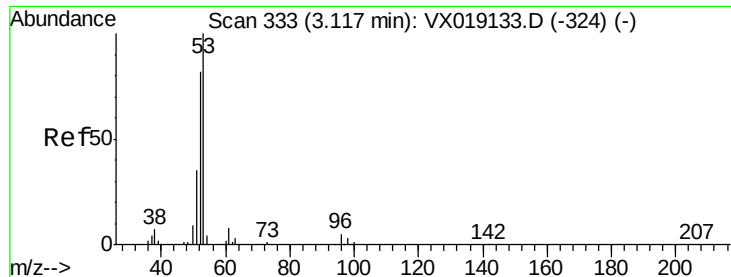
Ion Ratio Lower Upper

41 100

39 68.6 55.2 82.8

76 37.6 31.5 47.3





#15

Acrylonitrile

Concen: 273.422 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

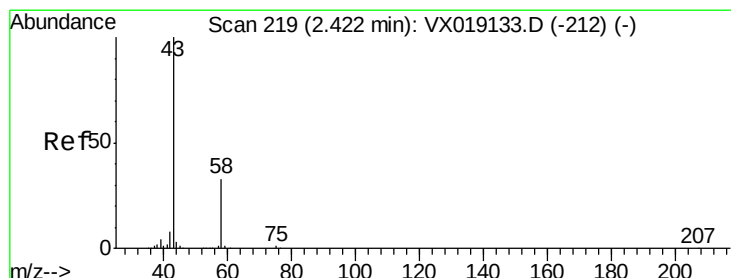
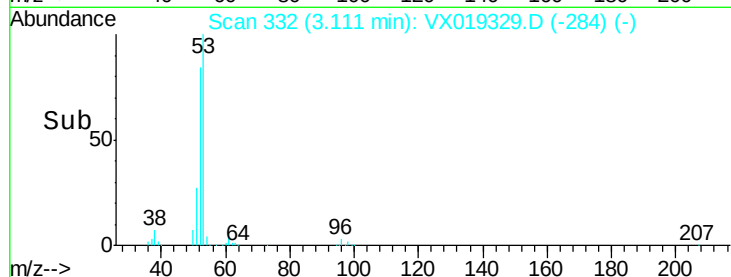
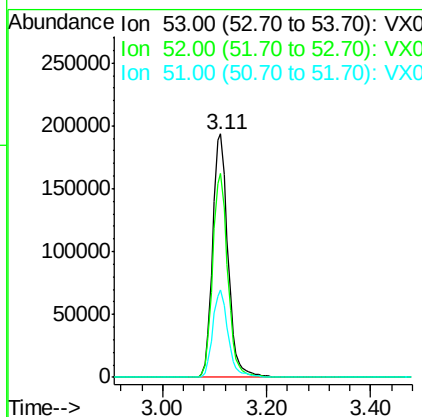
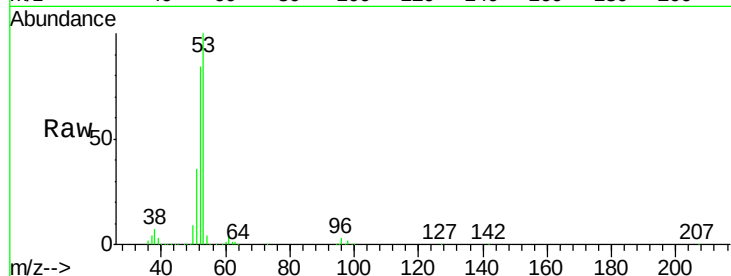
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	396925
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.7	98.5
51	36.1	28.4	42.6

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#16

Acetone

Concen: 289.302 ug/l

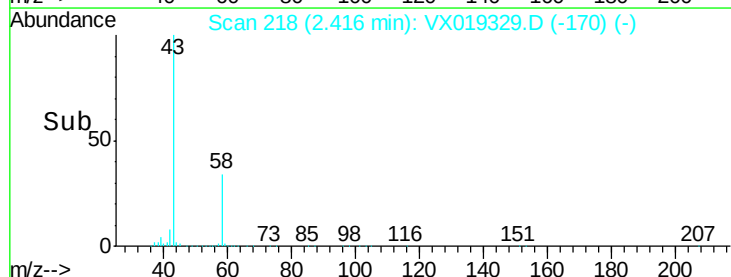
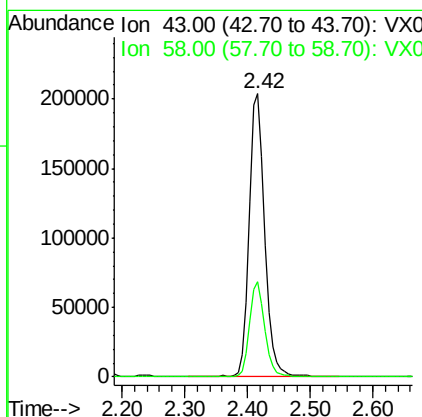
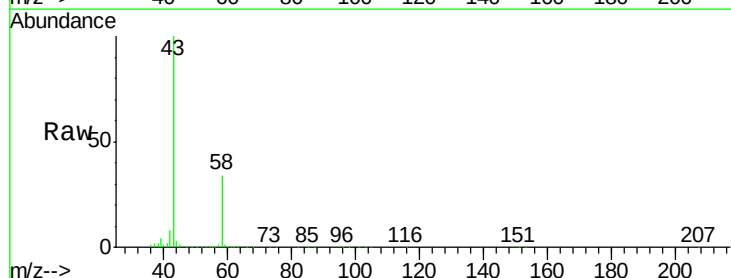
RT: 2.42 min Scan# 218

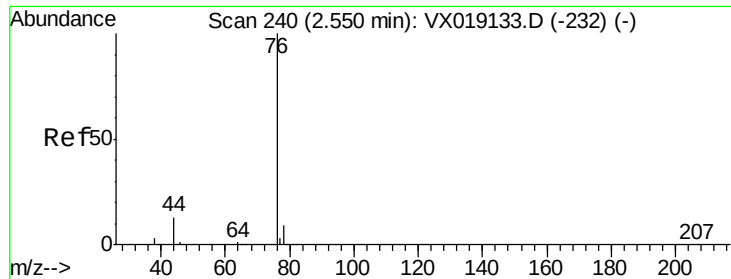
Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Tgt Ion:	43	Resp:	349081
Ion Ratio	Lower	Upper	
43	100		
58	33.7	26.3	39.5





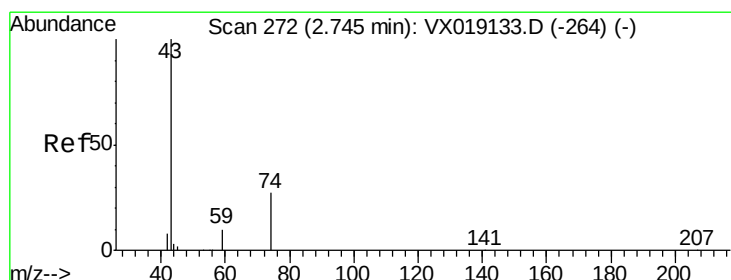
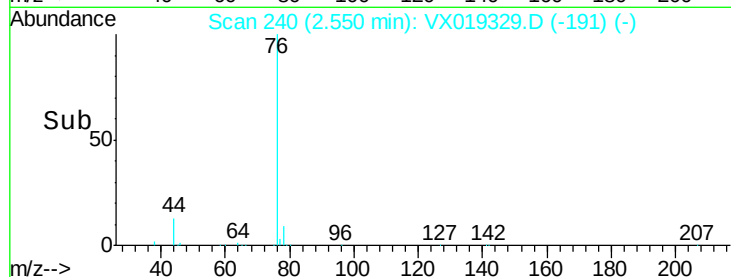
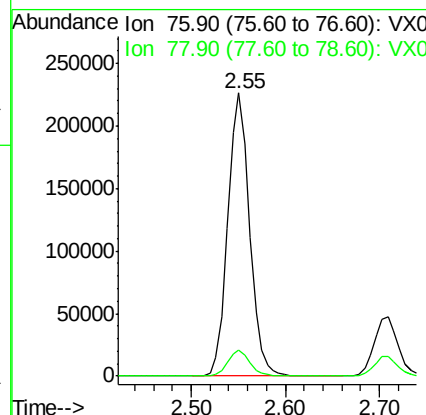
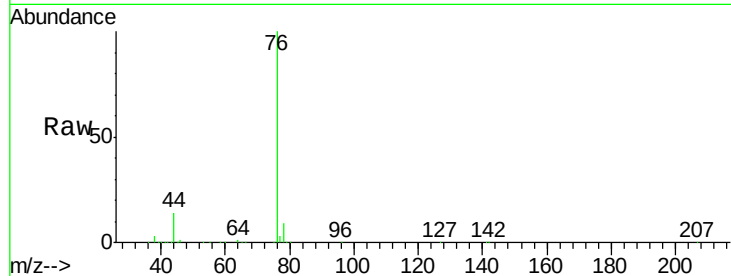
#17
Carbon Disulfide
Concen: 48.473 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

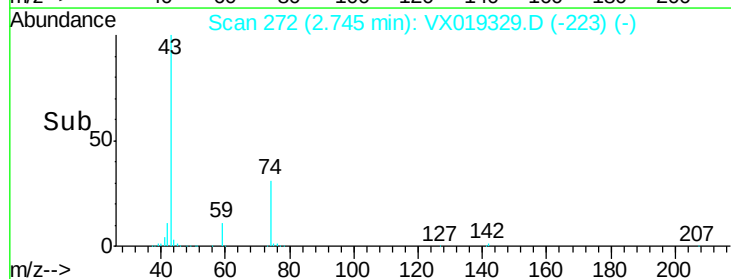
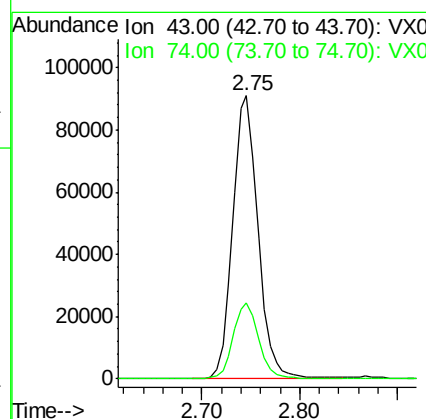
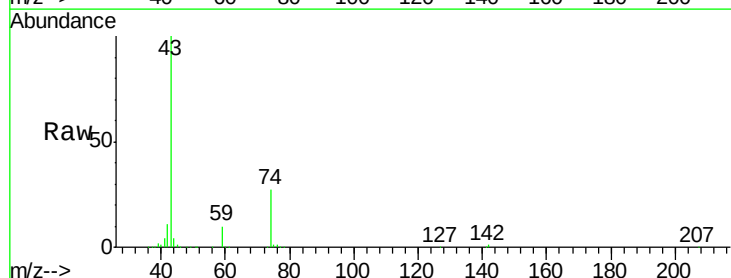
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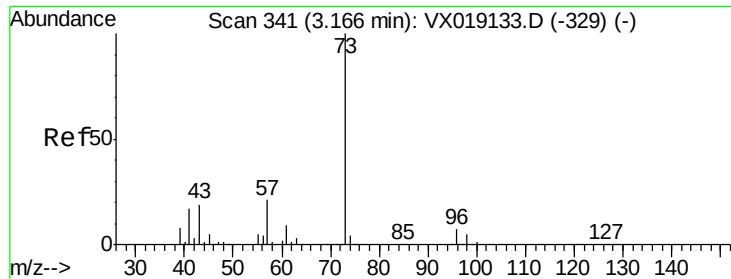
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#18
Methyl Acetate
Concen: 55.432 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	22.6	33.8





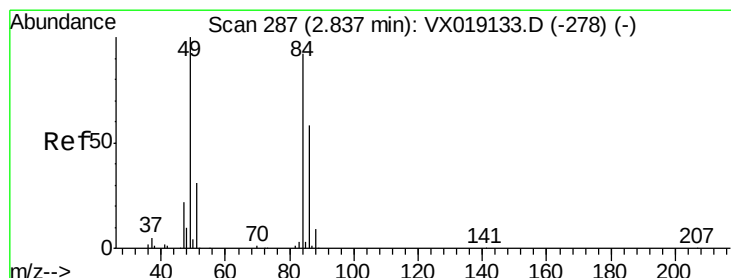
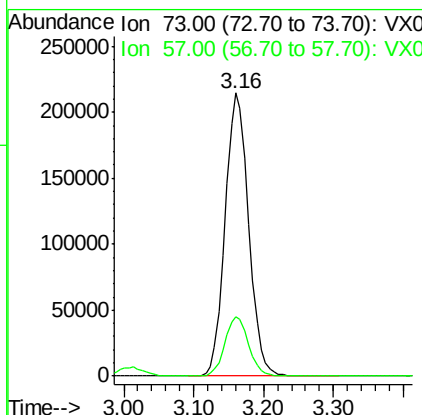
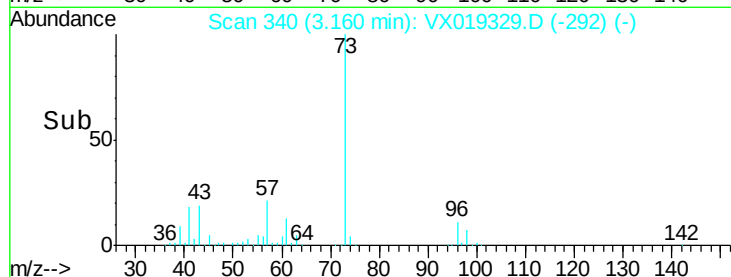
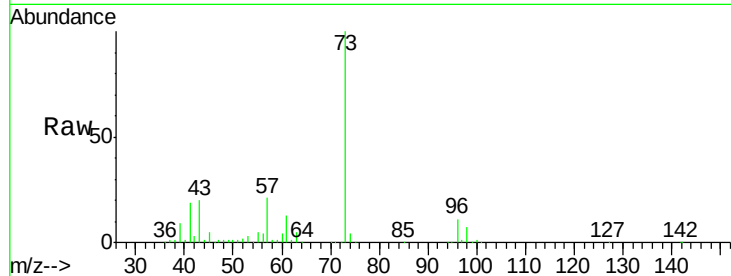
#19
Methyl tert-butyl Ether
Concen: 54.838 ug/l
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.6	25.0

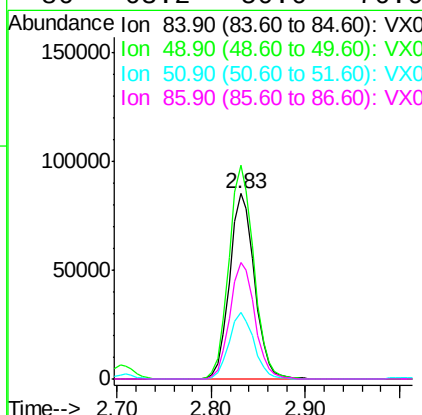
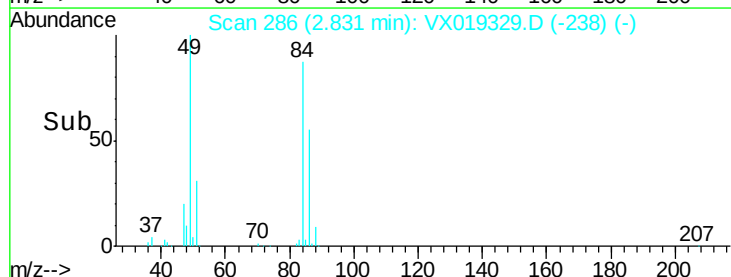
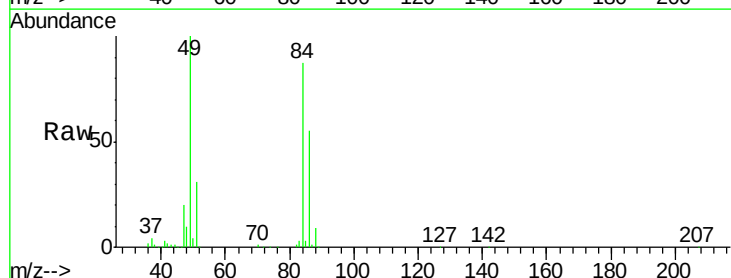
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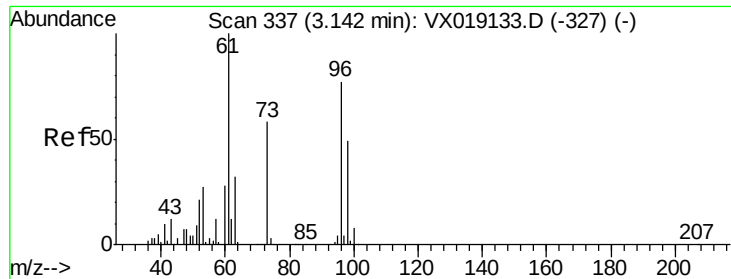
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#20
Methylene Chloride
Concen: 51.667 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.3	86.8	130.2
51	35.7	27.3	40.9
86	63.2	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 50.945 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

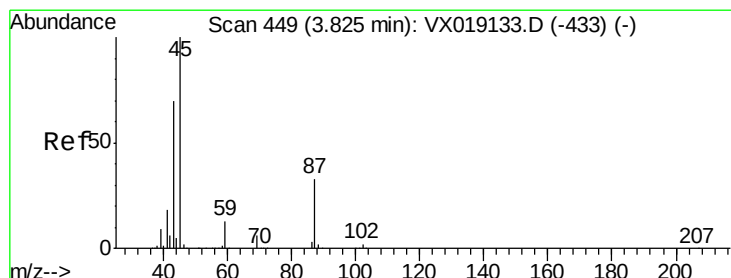
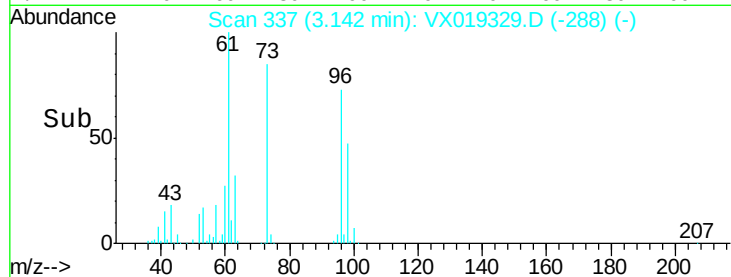
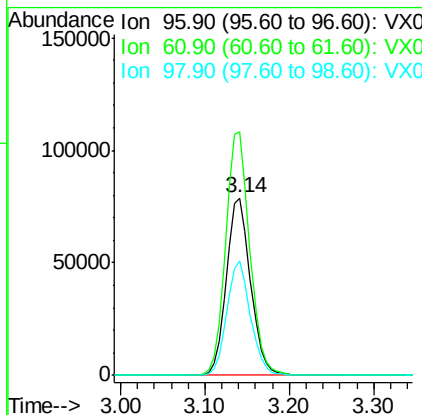
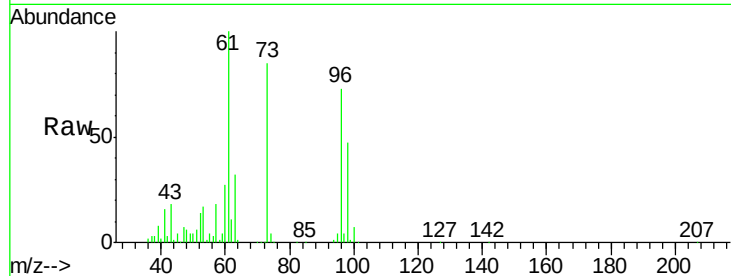
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	154124
Ion	Ratio	Lower	Upper
96	100		
61	137.5	104.2	156.4
98	64.5	51.3	76.9

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#22

Diisopropyl ether

Concen: 57.429 ug/l

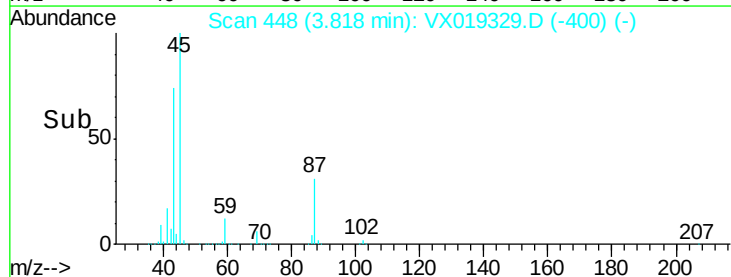
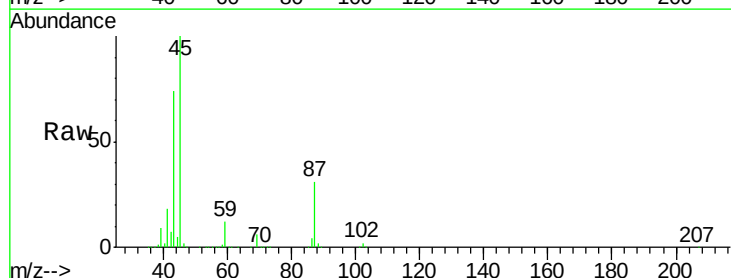
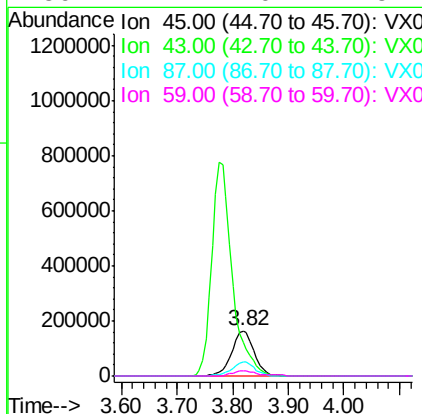
RT: 3.82 min Scan# 448

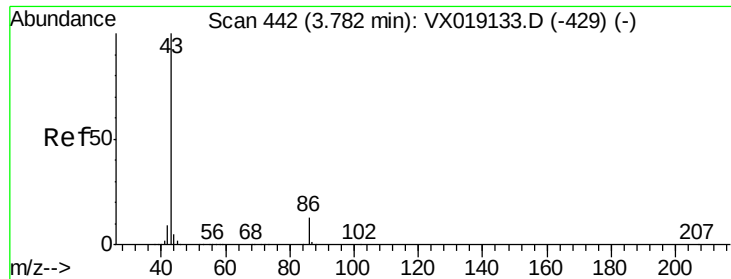
Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Tgt Ion:	45	Resp:	455848
Ion	Ratio	Lower	Upper
45	100		
43	73.5	56.2	84.4
87	30.8	26.2	39.2
59	12.4	10.1	15.1





#23

Vinyl Acetate

Concen: 282.997 ug/l

RT: 3.78 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2003166

Ion Ratio Lower Upper

43 100

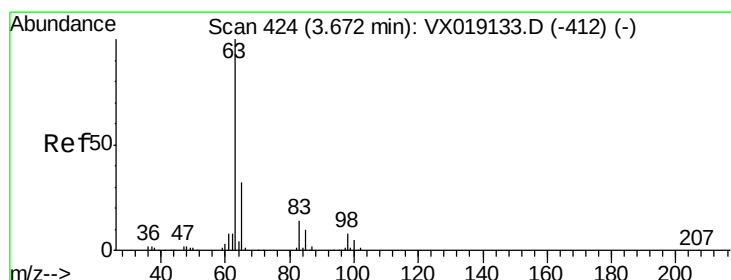
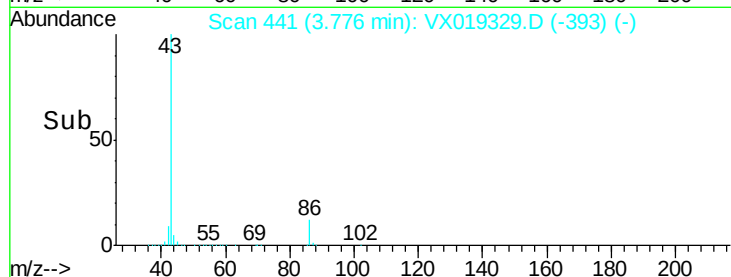
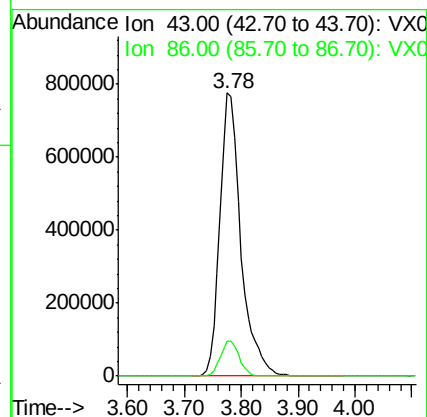
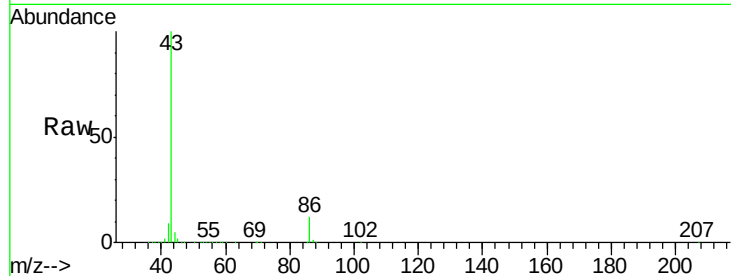
86 12.2 10.4 15.6

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#24

1,1-Dichloroethane

Concen: 54.839 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

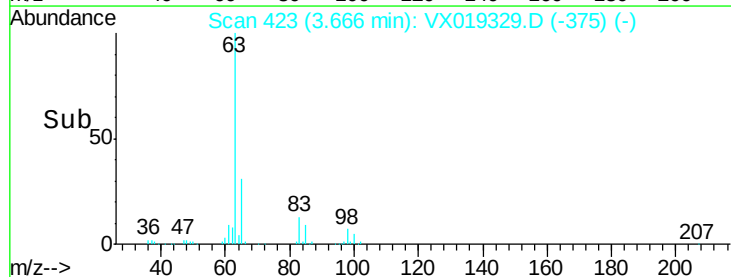
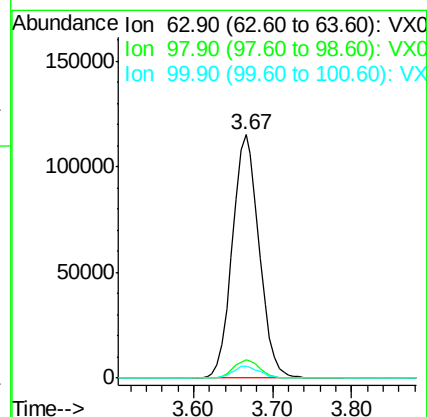
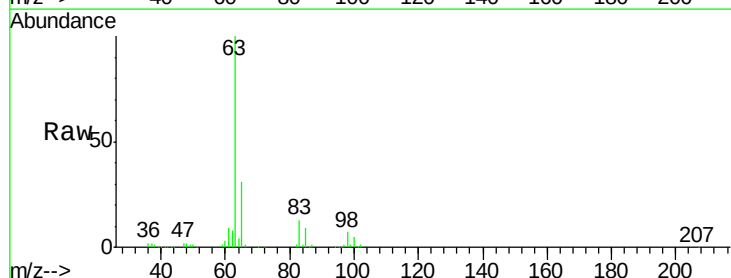
Tgt Ion: 63 Resp: 271780

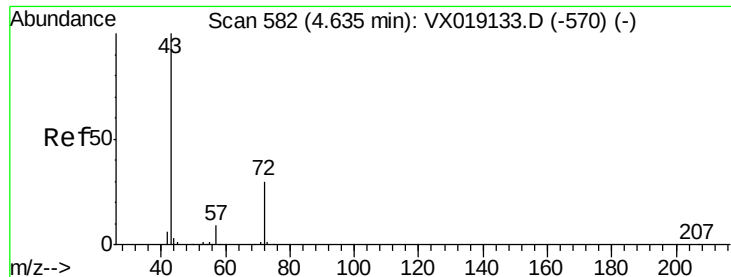
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 281.663 ug/l

RT: 4.62 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 535626

Ion Ratio Lower Upper

43 100

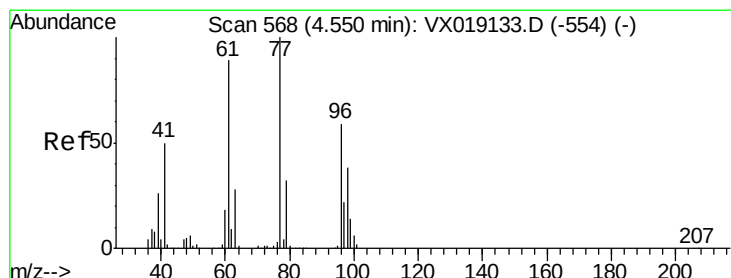
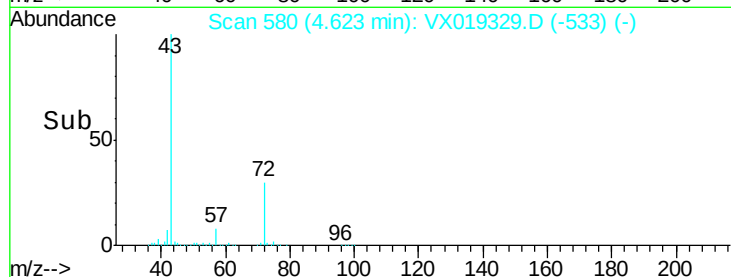
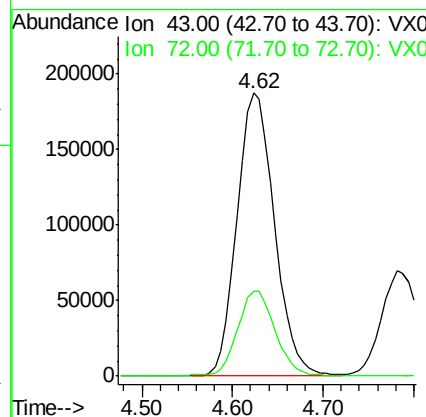
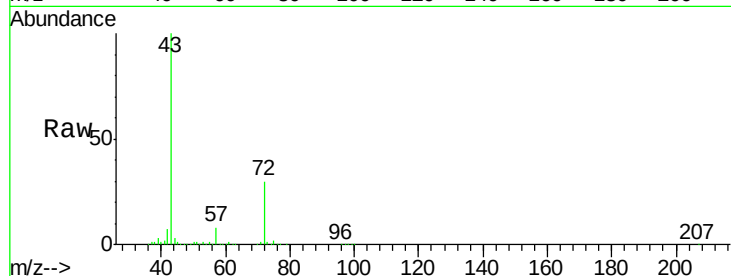
72 30.1 24.6 36.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.972 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX019329.D

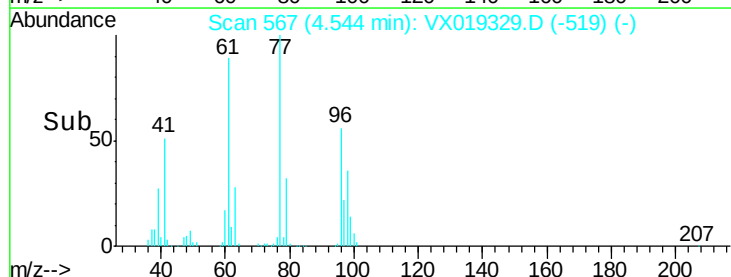
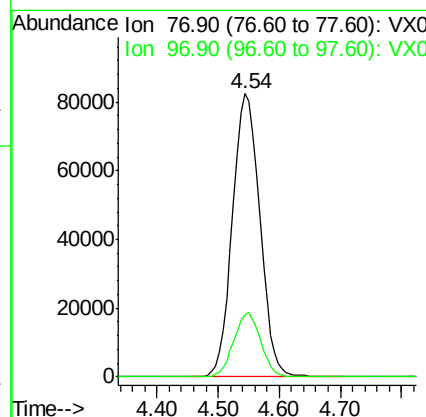
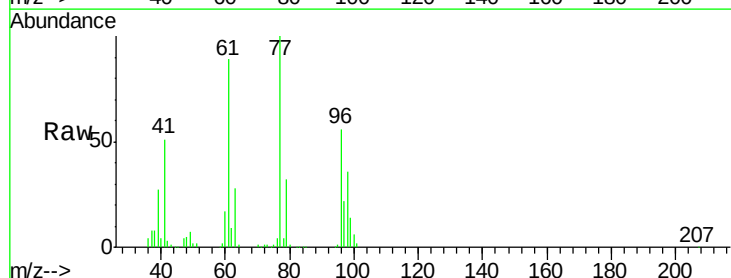
Acq: 06 Nov 2020 10:02

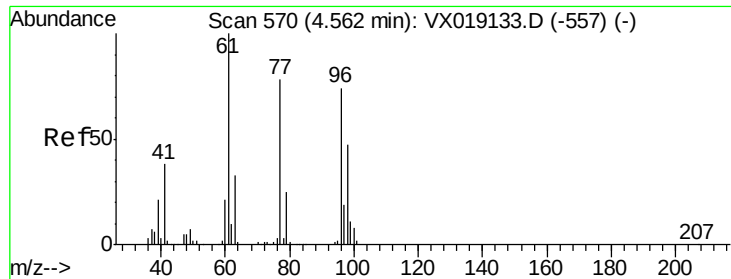
Tgt Ion: 77 Resp: 256115

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.1





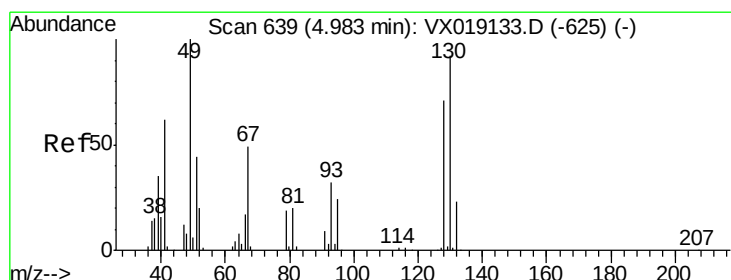
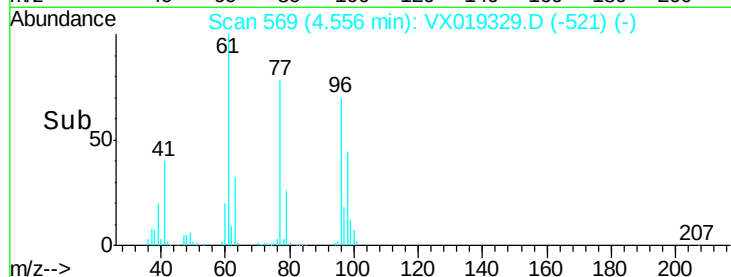
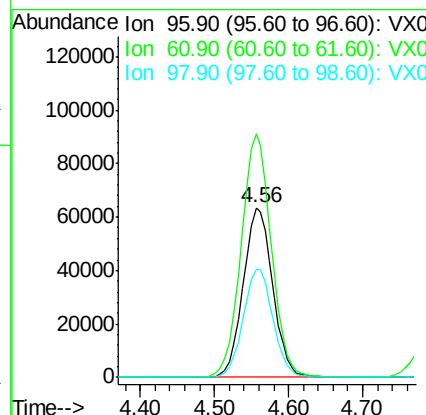
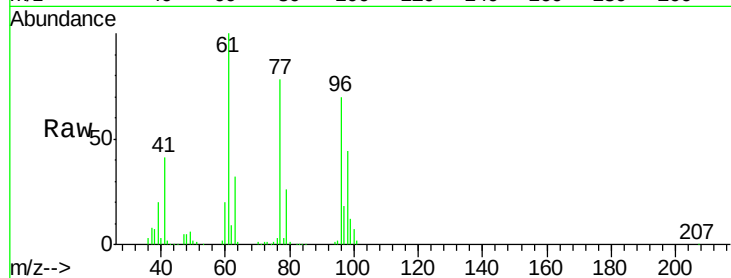
#27
 cis-1,2-Dichloroethene
 Concen: 52.171 ug/l
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.2	0.0	278.8	
98	64.8	0.0	130.2	

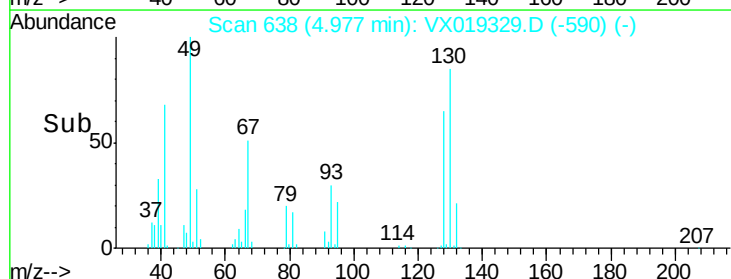
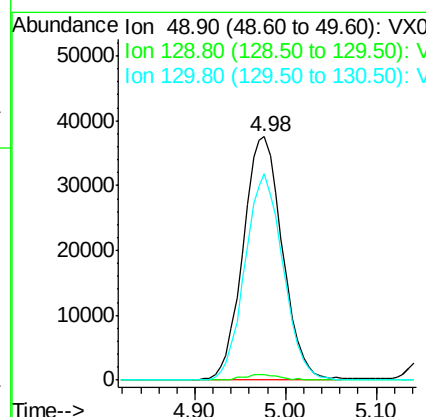
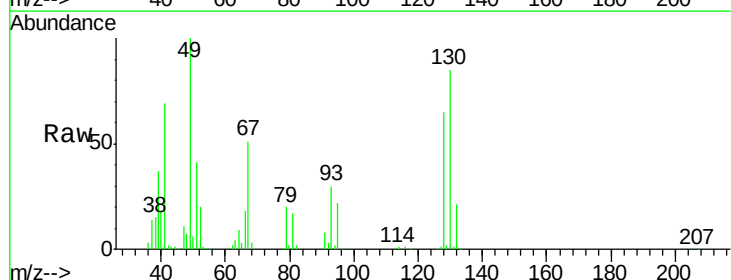
Manual Integrations
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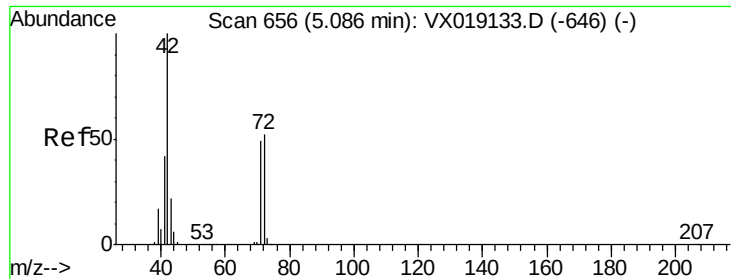
MMDadoda
 11/9/2020 9:37:09 AM



#28
 Bromochloromethane
 Concen: 50.011 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.4	
130	82.4	71.3	106.9	





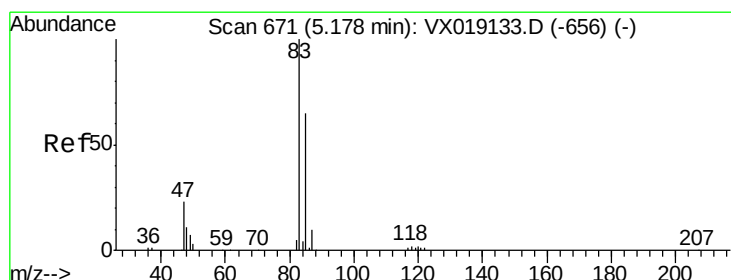
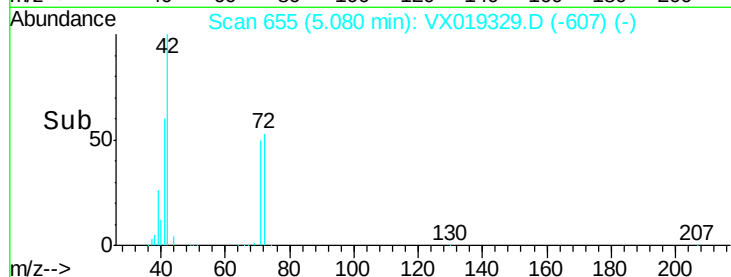
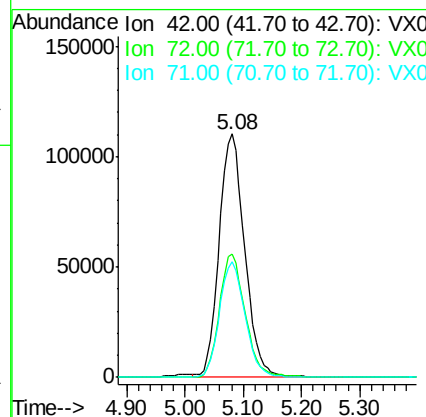
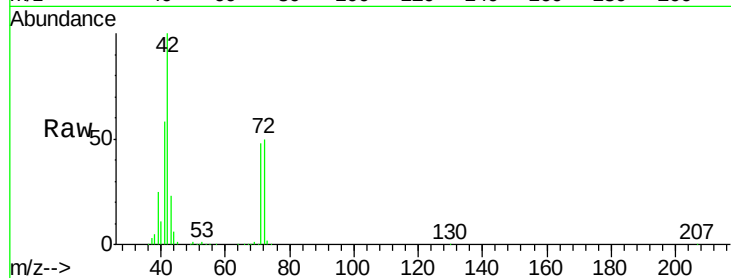
#29
Tetrahydrofuran
Concen: 278.501 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.2	42.6	63.8
71	47.7	39.7	59.5

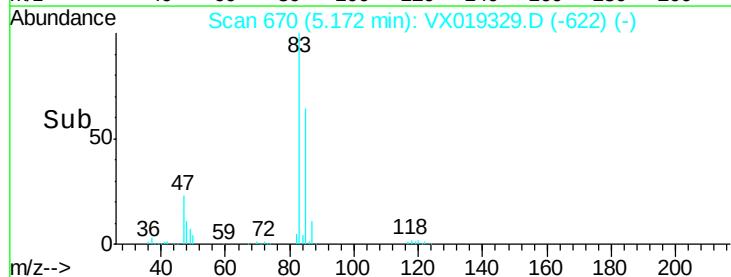
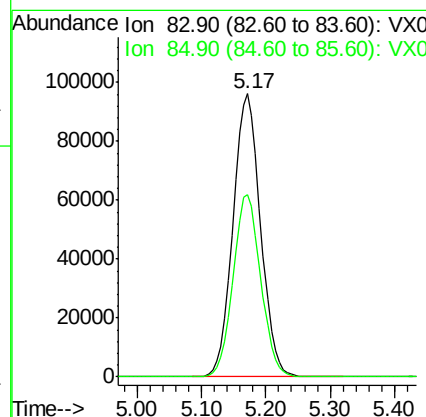
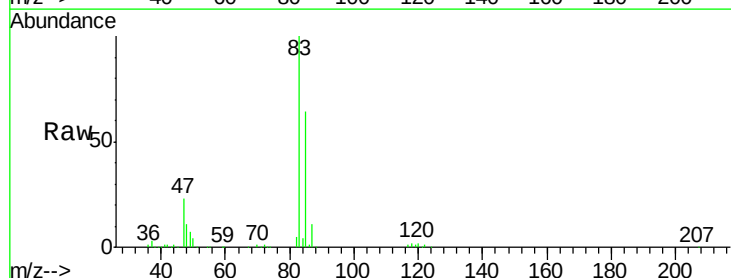
Manual Integrations
APPROVED

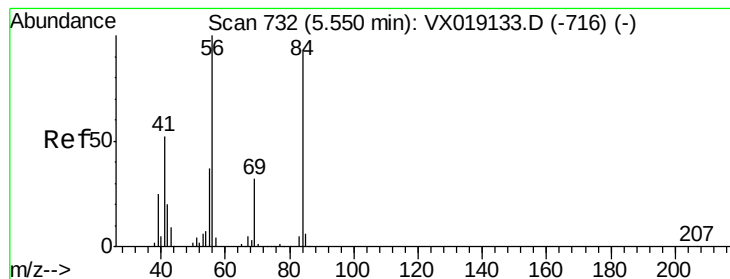
MMDadoda
11/9/2020 9:37:09 AM



#30
Chloroform
Concen: 54.402 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.9	77.9





#31

Cyclohexane

Concen: 53.457 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

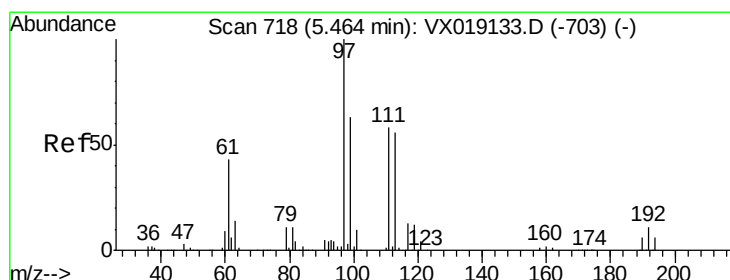
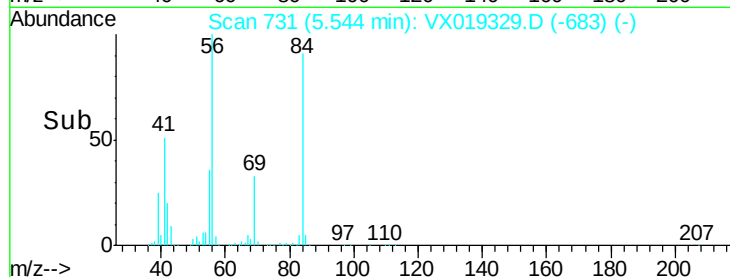
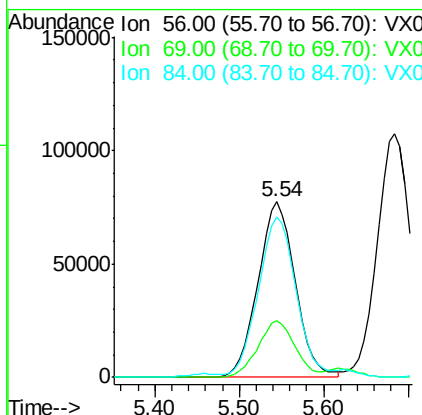
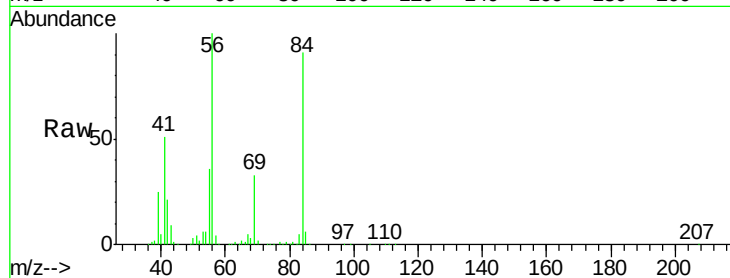
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.9	38.9
84	90.2	73.4	110.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.887 ug/l

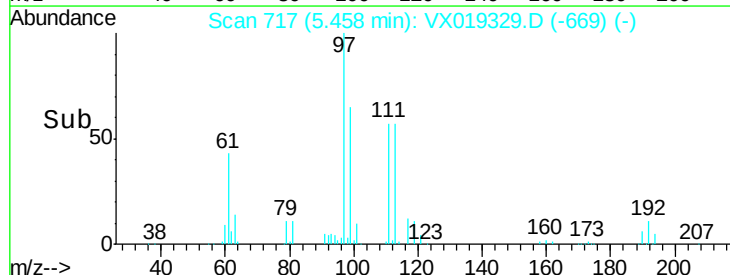
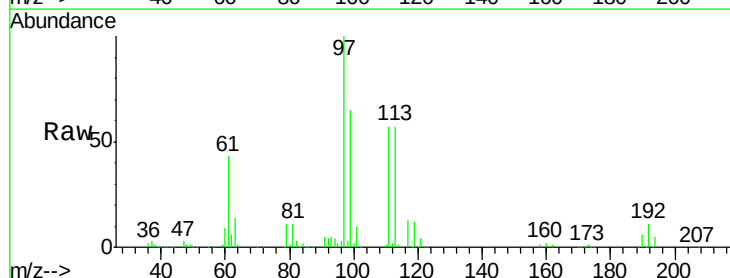
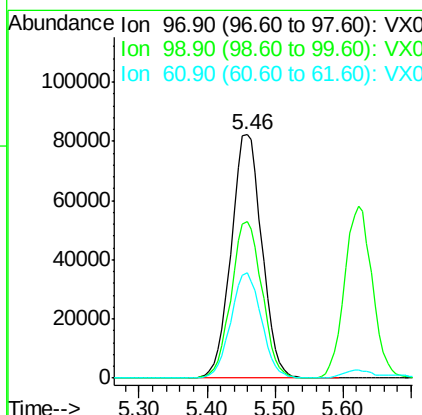
RT: 5.46 min Scan# 717

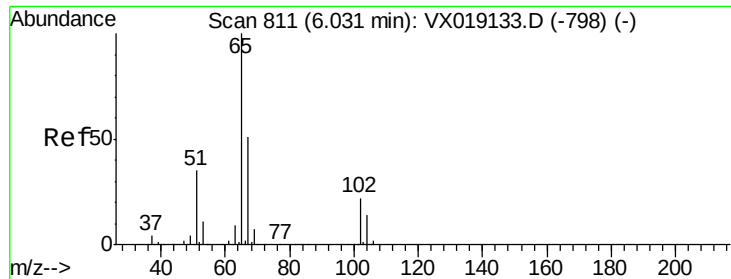
Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	42.9	34.2	51.2





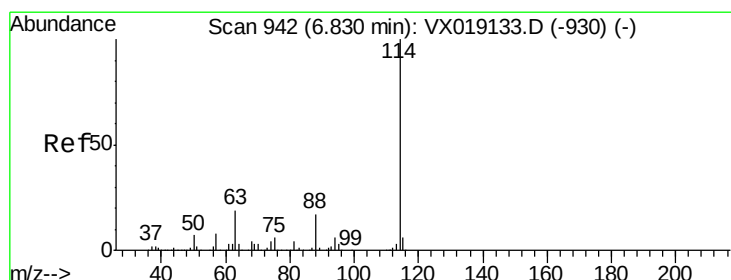
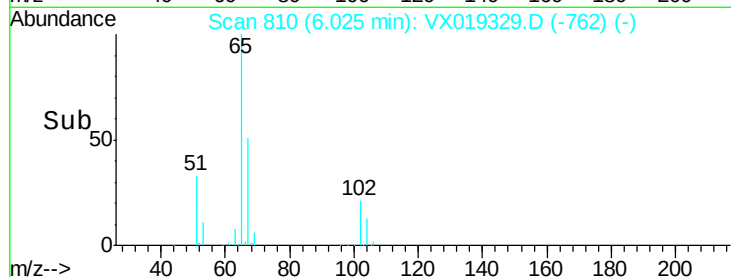
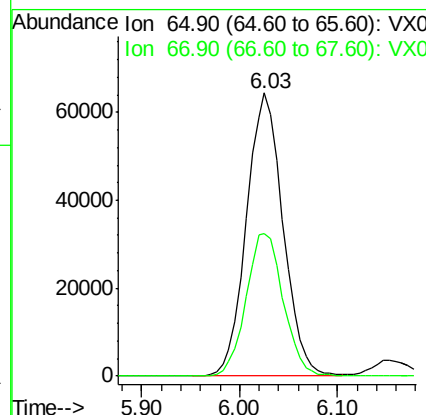
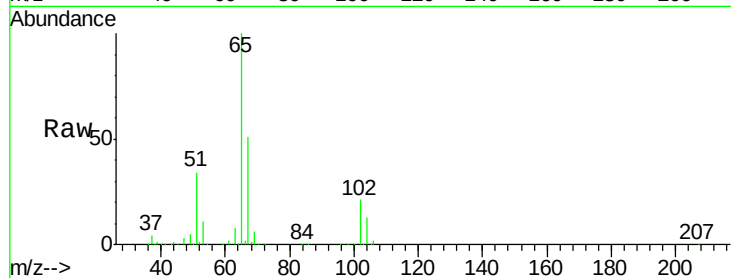
#33
 1,2-Dichloroethane-d4
 Concen: 47.667 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0

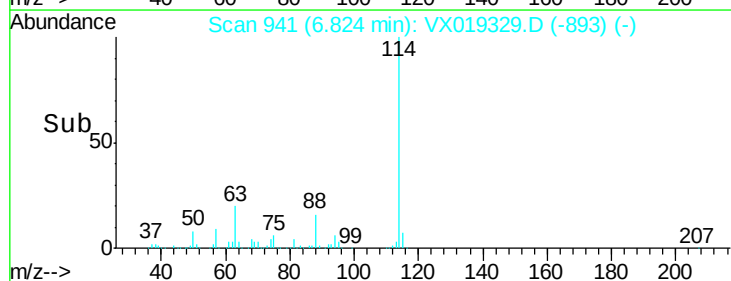
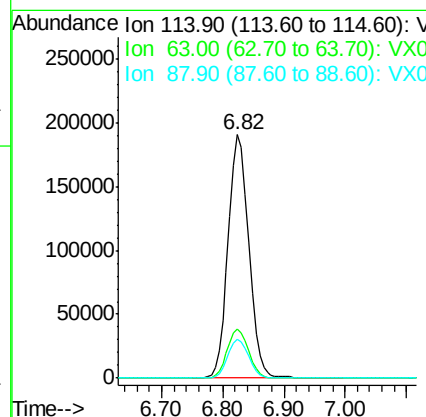
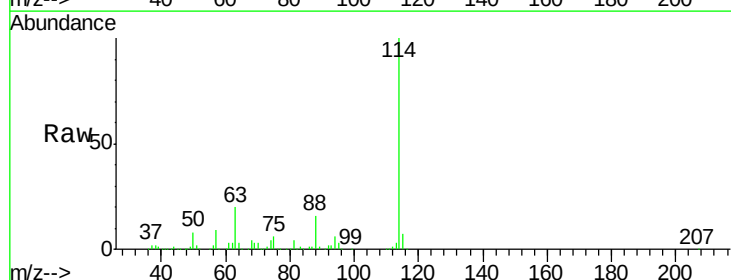
Manual Integrations
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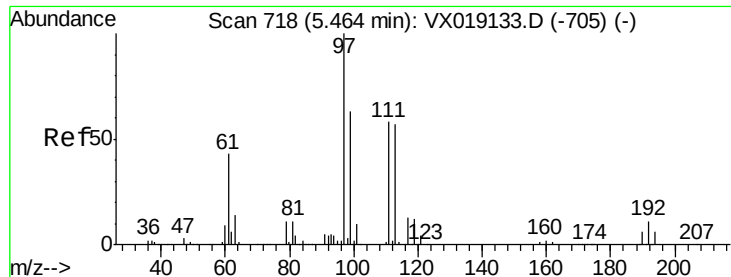
MMDadoda
 11/9/2020 9:37:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	38.8
88	16.2	0.0	34.2





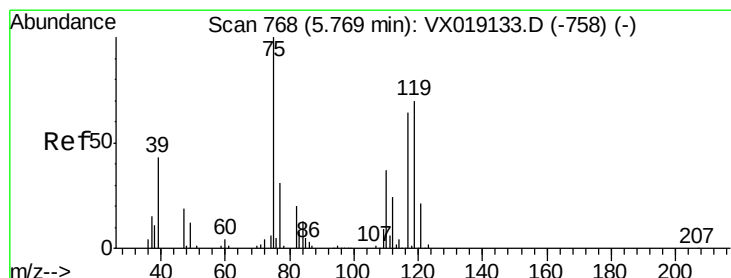
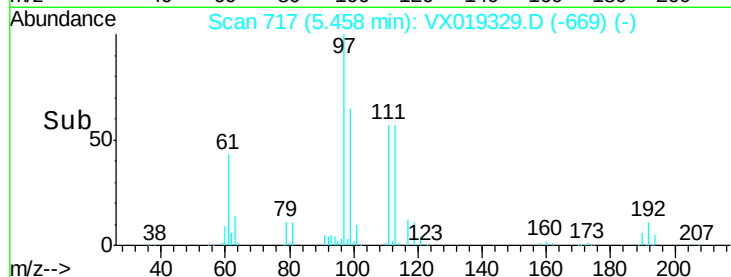
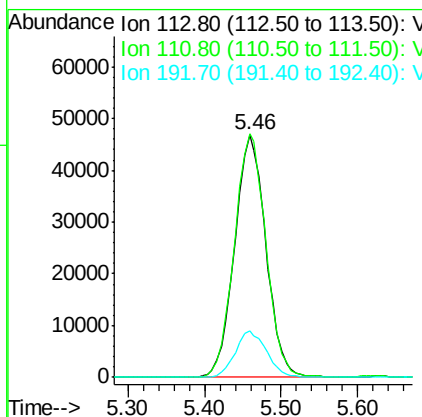
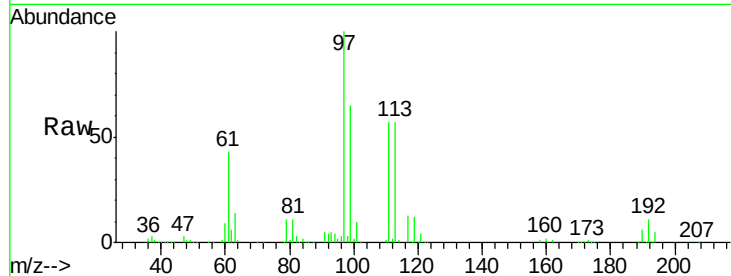
#35
Dibromofluoromethane
Concen: 47.216 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132588		
111	101.3	82.3	123.5	
192	19.1	16.2	24.2	

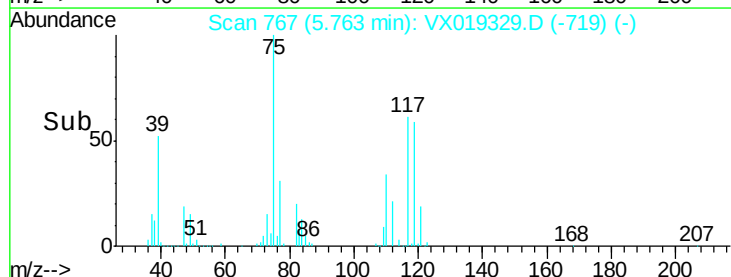
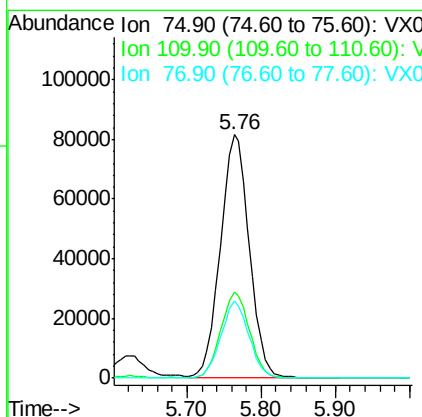
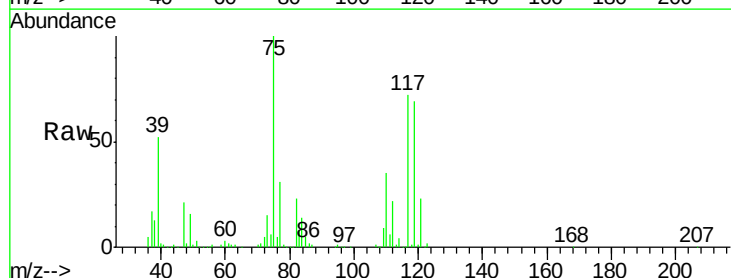
Manual Integrations
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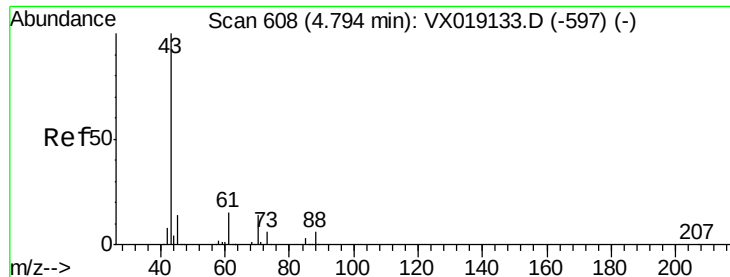
MMDadoda
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#36
1,1-Dichloropropene
Concen: 53.189 ug/l
RT: 5.76 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	219574		
110	35.4	18.3	54.9	
77	31.0	24.9	37.3	





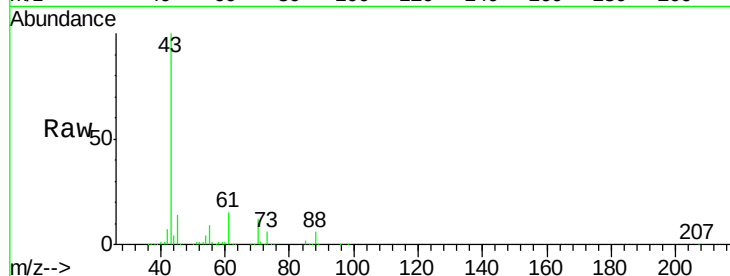
#37
Ethyl Acetate
Concen: 53.908 ug/l
RT: 4.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.5	18.7
70	12.6	10.5	15.7

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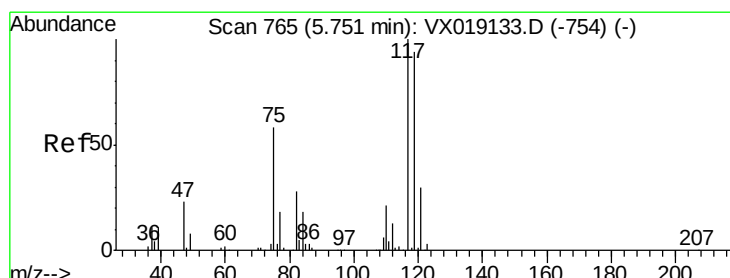
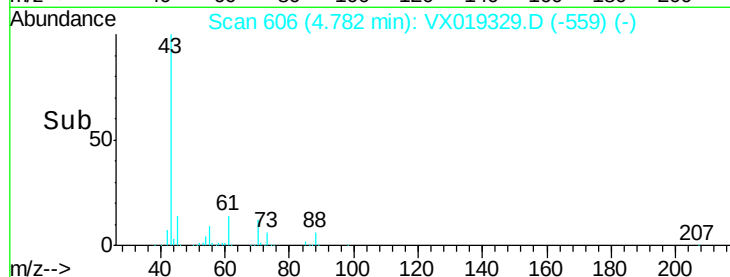
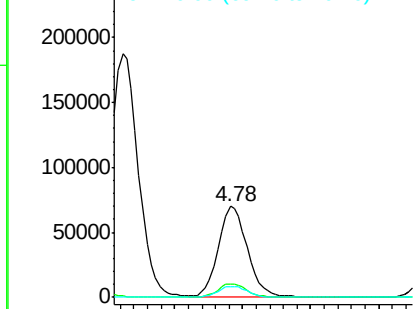


Abundance

Ion 43.00 (42.70 to 43.70): VX019329.D (-559) (-)

Ion 60.90 (60.60 to 61.60): VX019329.D (-559) (-)

Ion 70.00 (69.70 to 70.70): VX019329.D (-559) (-)



#38
Carbon Tetrachloride
Concen: 52.793 ug/l
RT: 5.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

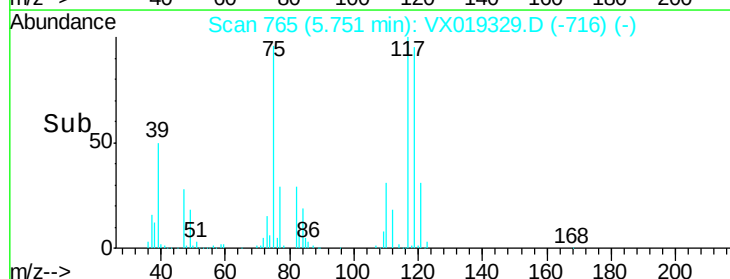
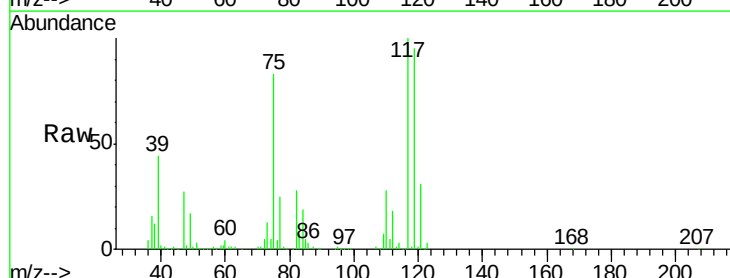
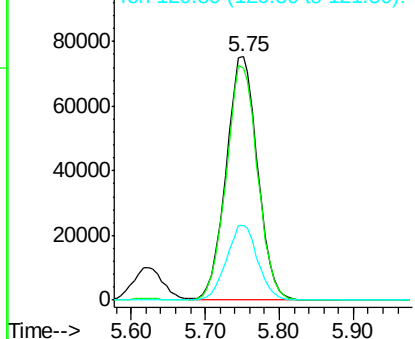
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.0	112.6
121	30.7	23.9	35.9

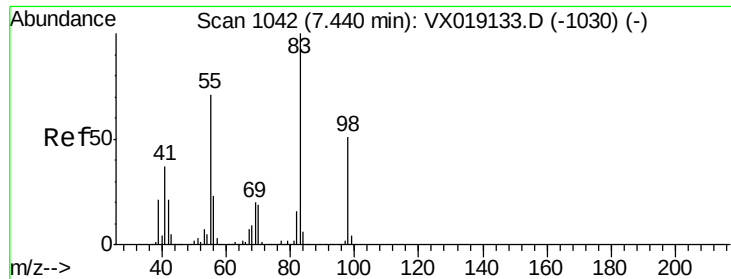
Abundance

Ion 116.80 (116.50 to 117.50): VX019329.D (-716) (-)

Ion 118.80 (118.50 to 119.50): VX019329.D (-716) (-)

Ion 120.80 (120.50 to 121.50): VX019329.D (-716) (-)





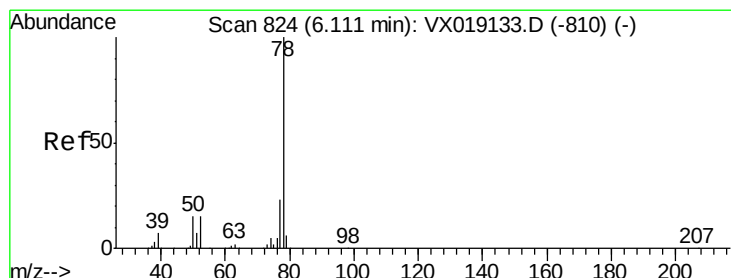
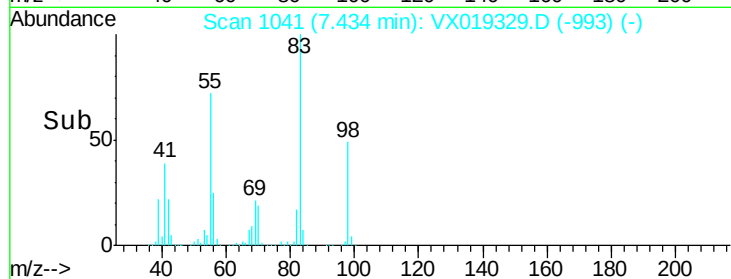
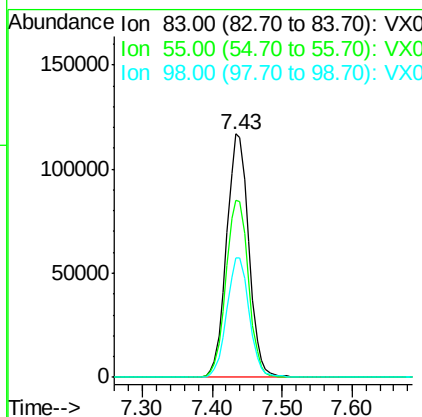
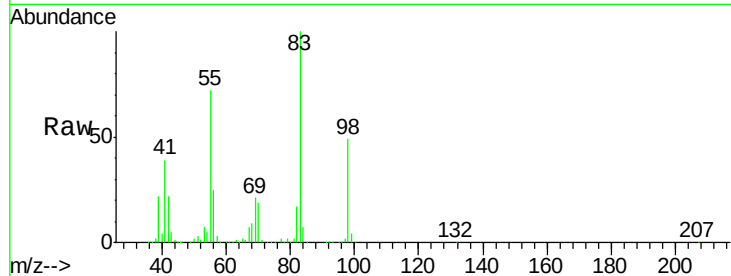
#39
Methylvlcyclohexane
Concen: 52.397 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	57.0	85.6
98	49.3	40.5	60.7

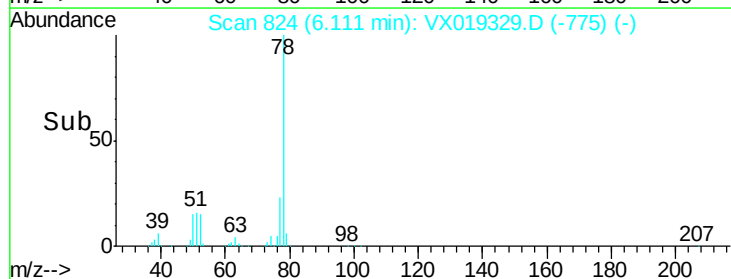
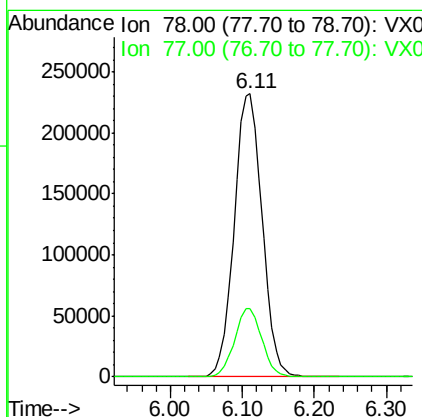
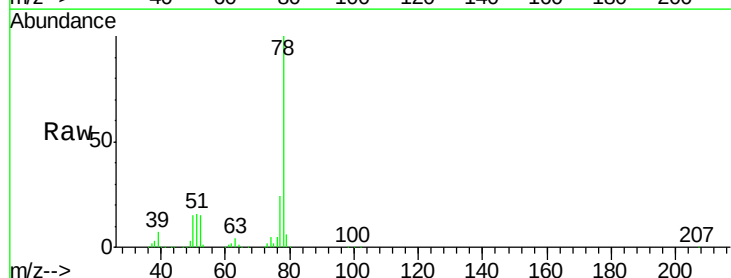
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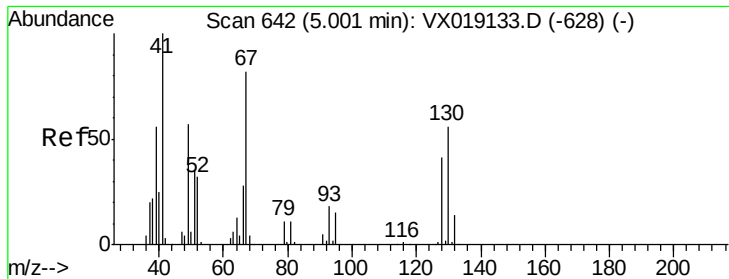
MMDadoda
11/9/2020 9:37:09 AM



#40
Benzene
Concen: 53.362 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





#41

Methacrylonitrile

Concen: 53.471 ug/l

RT: 5.00 min Scan# 641

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 110372

Ion Ratio Lower Upper

41 100

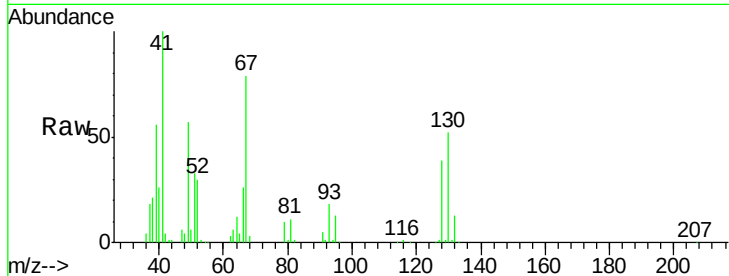
39 57.3 44.4 66.6

67 82.9 66.4 99.6

52 33.0 26.2 39.4

Manual Integrations
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MMDadoda
11/9/2020 9:37:09 AM

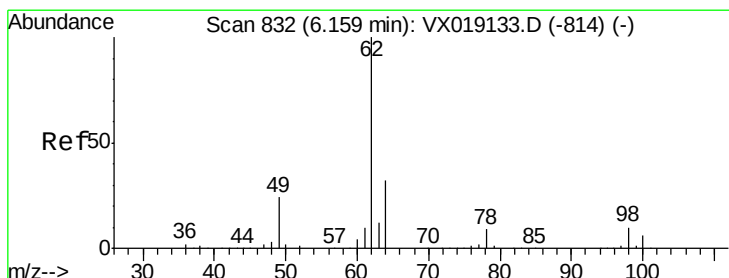
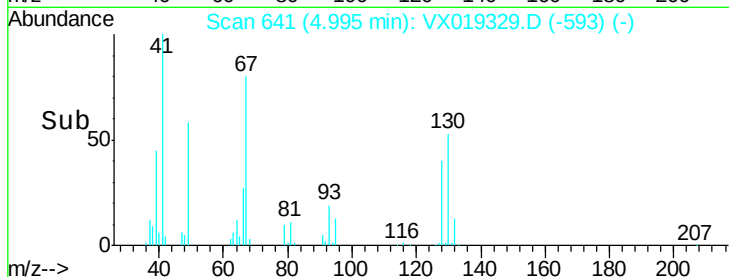
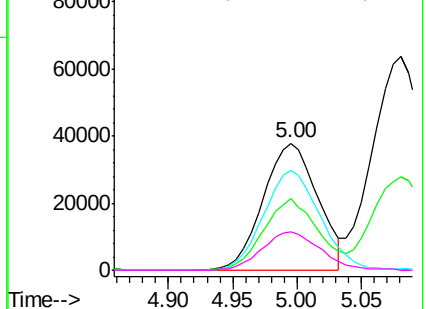


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 53.773 ug/l

RT: 6.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX019329.D

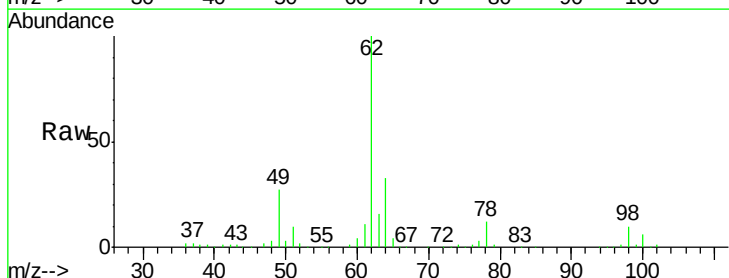
Acq: 06 Nov 2020 10:02

Tgt Ion: 62 Resp: 231961

Ion Ratio Lower Upper

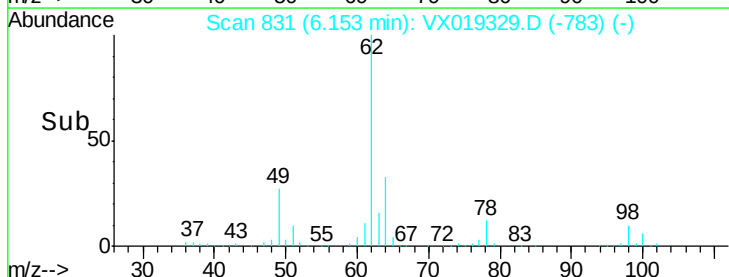
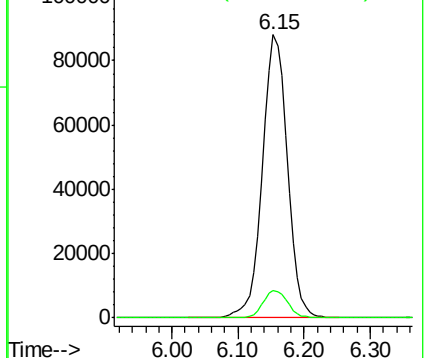
62 100

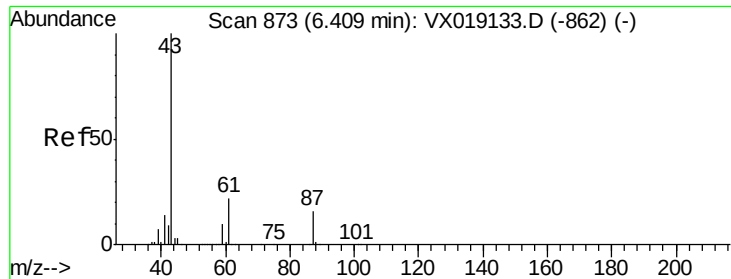
98 9.5 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

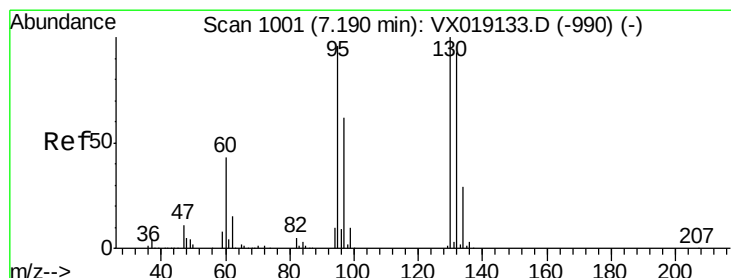
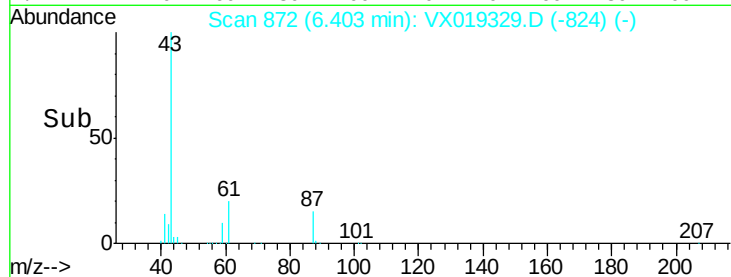
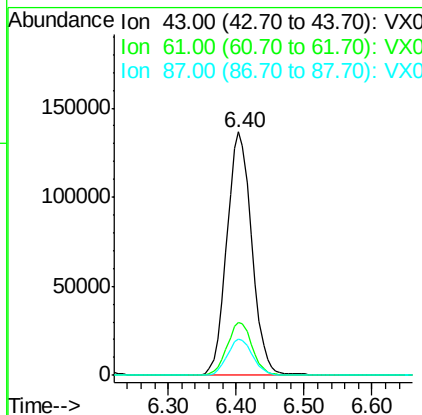
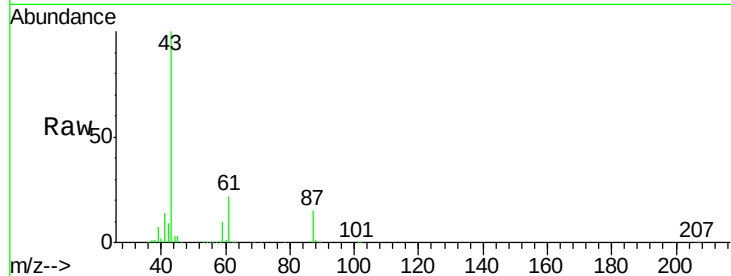
Isopropyl Acetate
 Concen: 54.038 ug/l
 RT: 6.40 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.8	26.6
87	15.1	12.6	19.0

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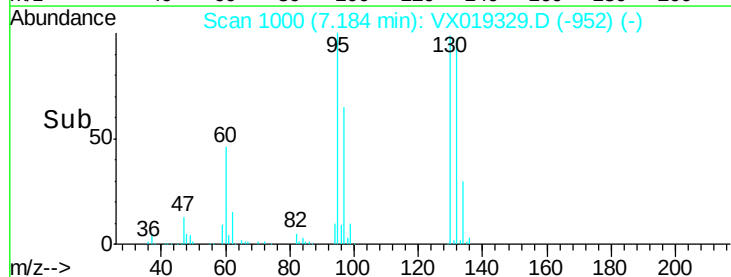
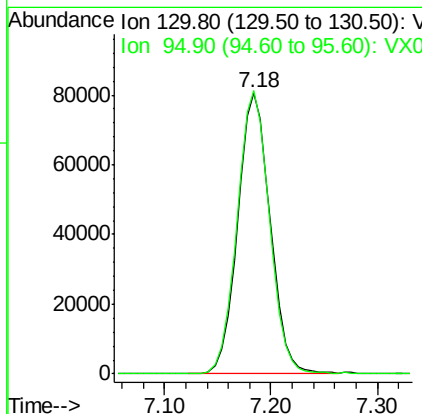
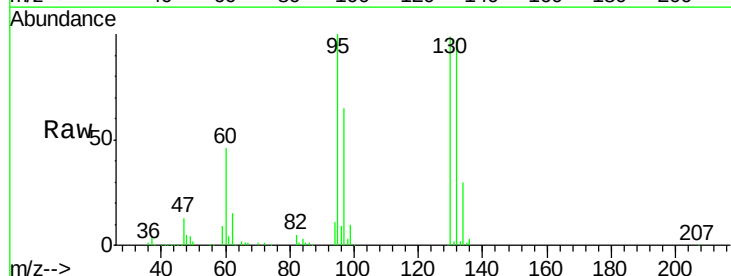
MMDadoda
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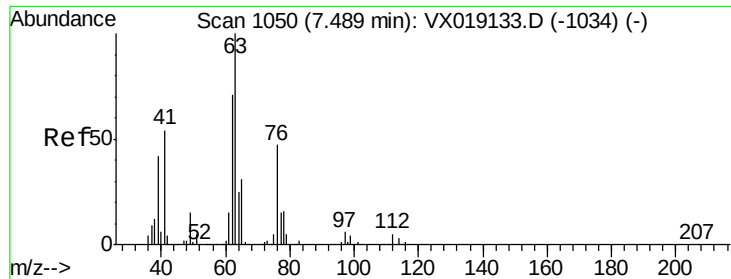


#44

Trichloroethene
 Concen: 51.362 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	192.0





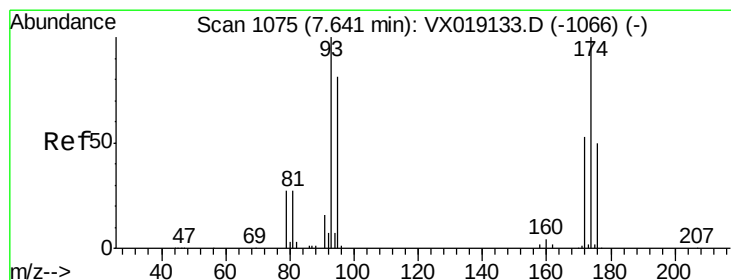
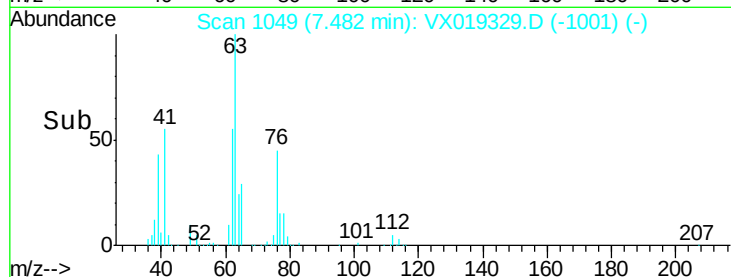
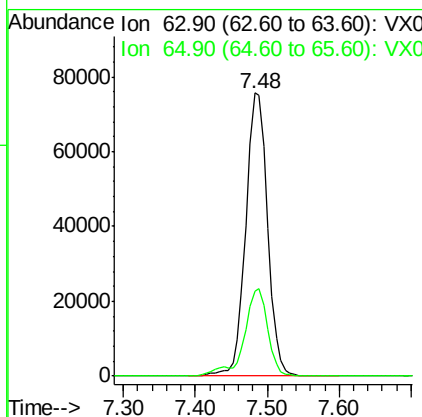
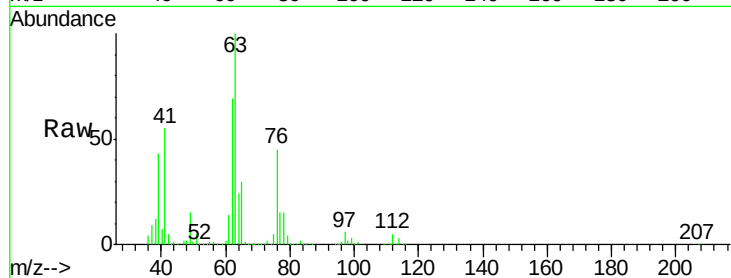
#45
 1,2-Dichloropropane
 Concen: 55.520 ug/l
 RT: 7.48 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 159169
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.2 37.8

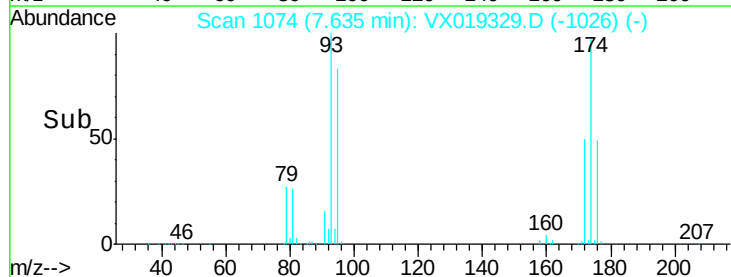
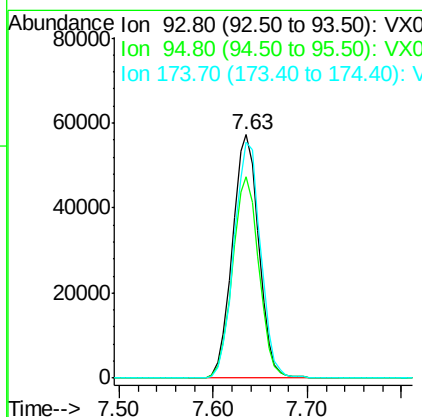
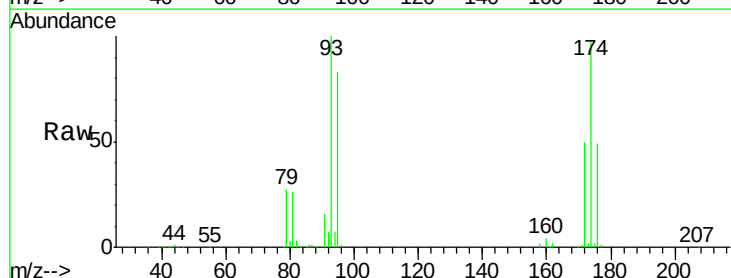
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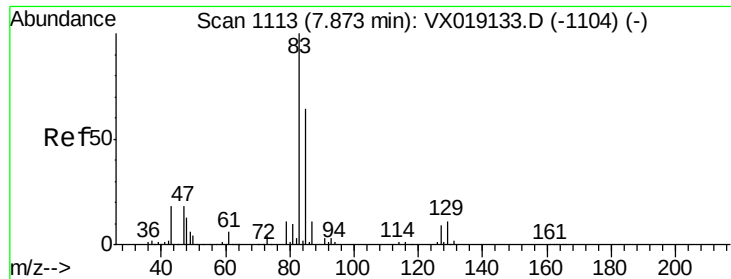
MMDadoda
 11/9/2020 9:37:09 AM



#46
 Dibromomethane
 Concen: 52.561 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Tgt Ion: 93 Resp: 111427
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.0 100.6
 174 98.0 81.7 122.5





#47

Bromodichloromethane

Concen: 55.000 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

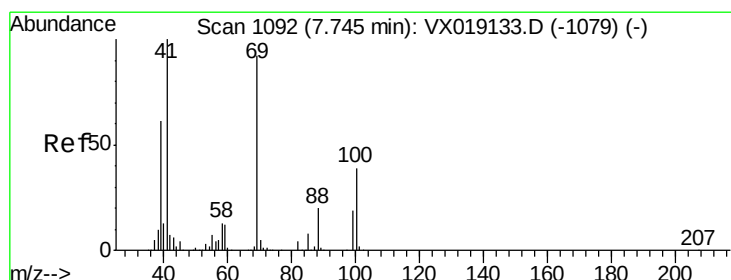
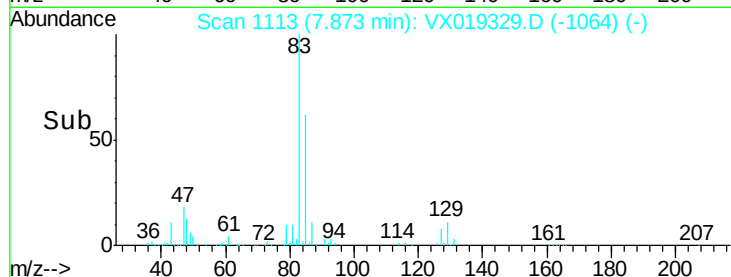
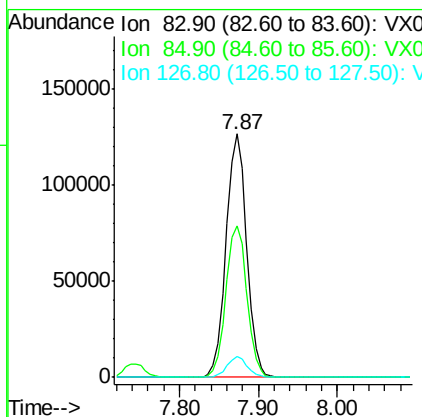
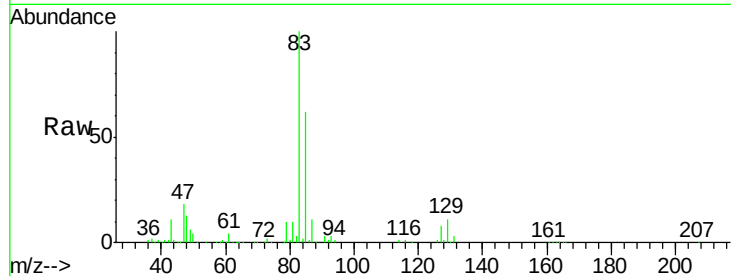
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	229823
Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.2	76.8
127	8.4	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.051 ug/l

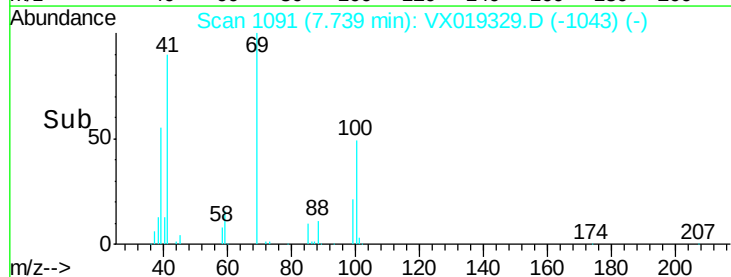
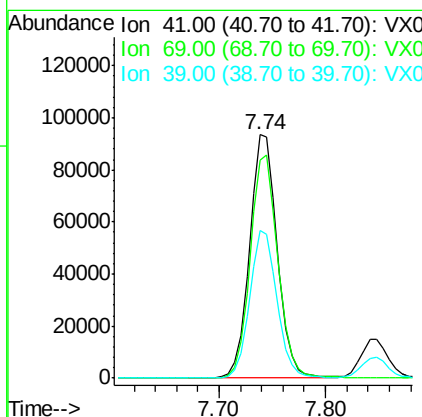
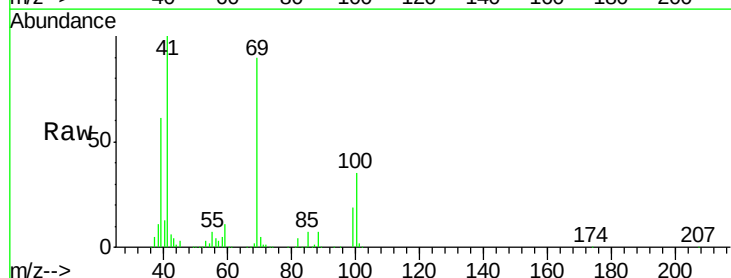
RT: 7.74 min Scan# 1091

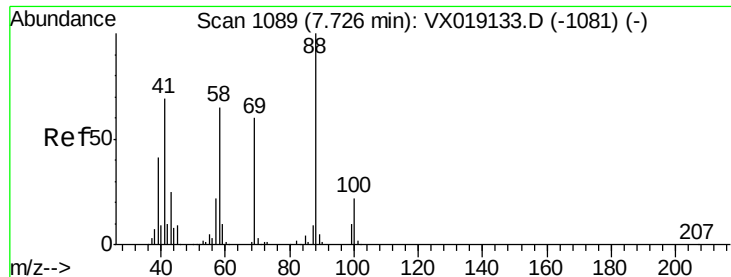
Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Tgt Ion:	41	Resp:	170054
Ion	Ratio	Lower	Upper
41	100		
69	92.2	75.5	113.3
39	59.7	48.9	73.3





#49

1,4-Dioxane

Concen: 1012.064 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

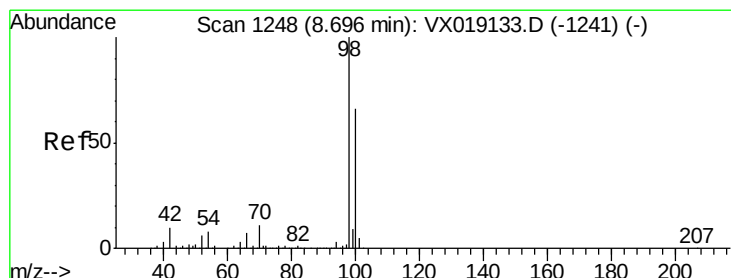
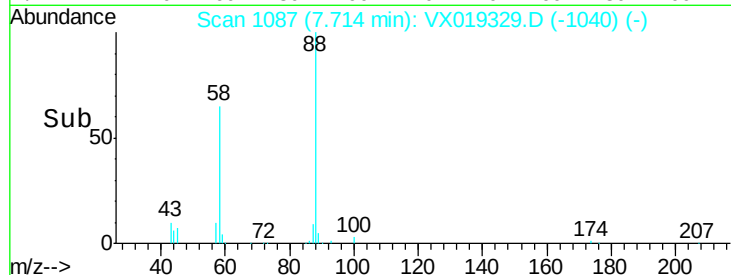
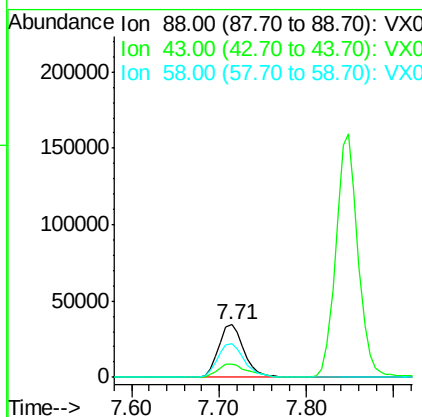
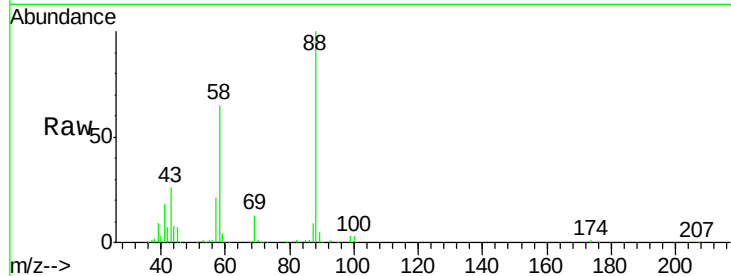
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	69525
Ion	Ratio	Lower	Upper
88	100		
43	30.9	23.0	34.6
58	67.5	52.2	78.2

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#50

Toluene-d8

Concen: 46.967 ug/l

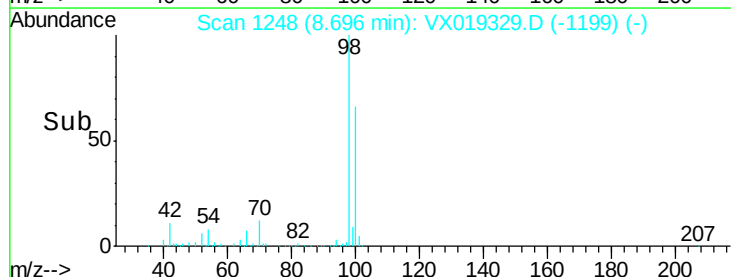
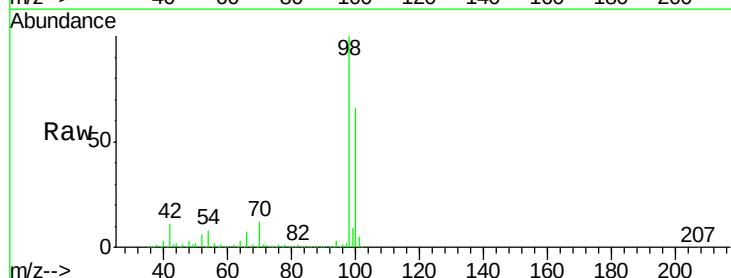
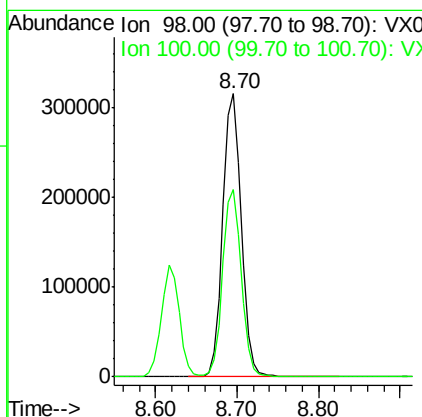
RT: 8.70 min Scan# 1248

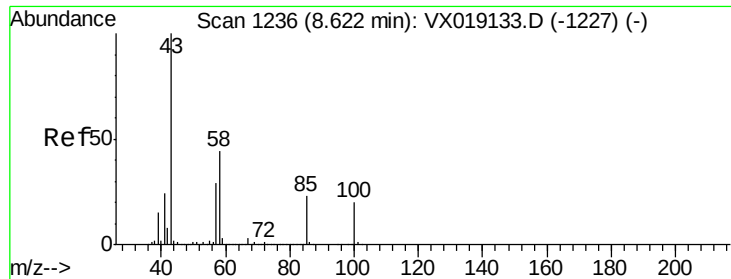
Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Tgt Ion:	98	Resp:	497170
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 279.265 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1030128

Ion Ratio Lower Upper

43 100

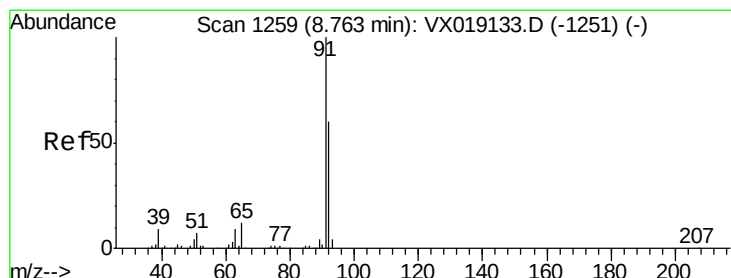
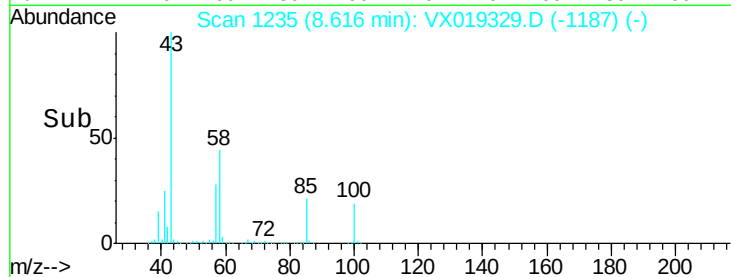
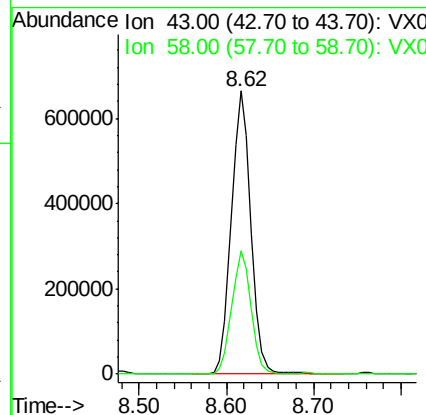
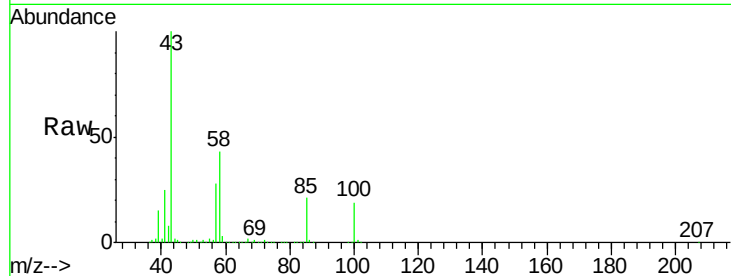
58 43.1 35.0 52.4

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#52

Toluene

Concen: 53.825 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019329.D

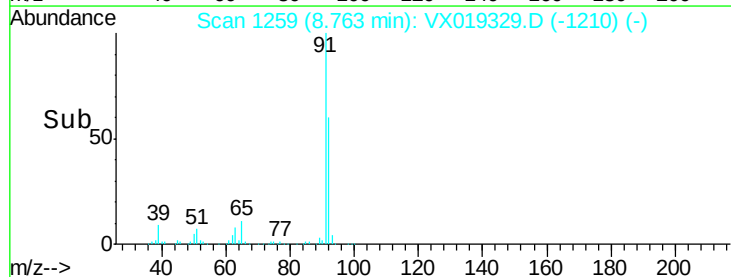
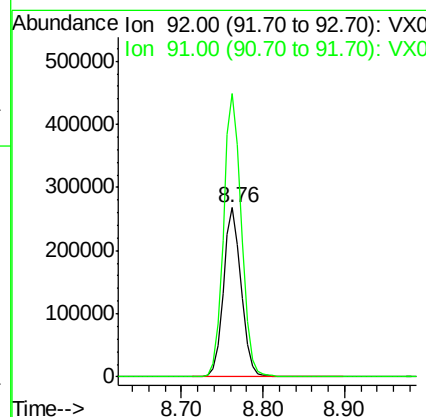
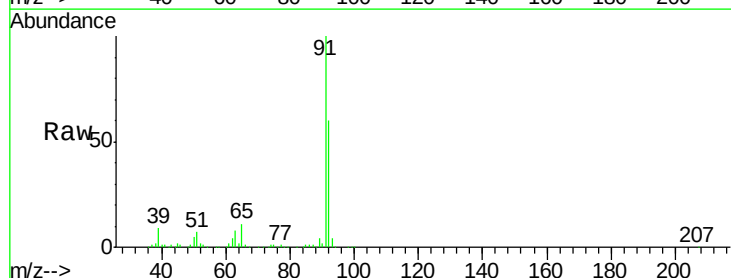
Acq: 06 Nov 2020 10:02

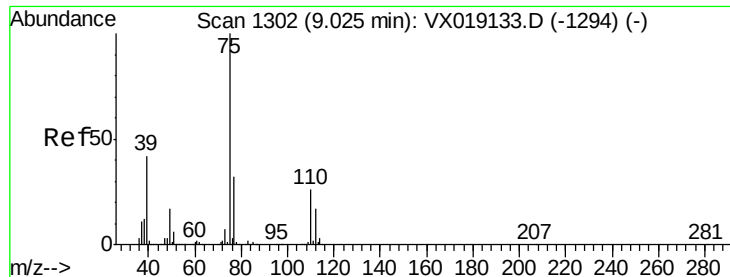
Tgt Ion: 92 Resp: 405763

Ion Ratio Lower Upper

92 100

91 169.8 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 54.514 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 260181

Ion Ratio Lower Upper

75 100

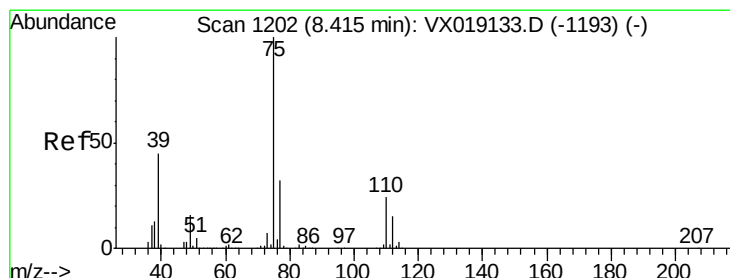
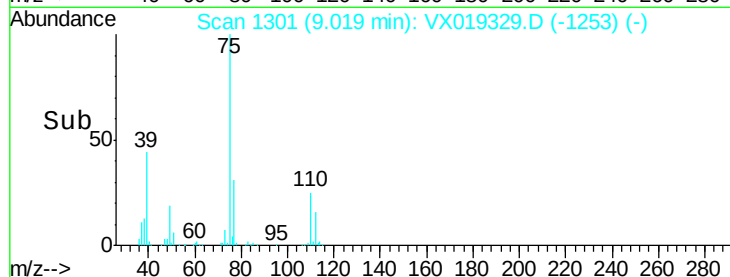
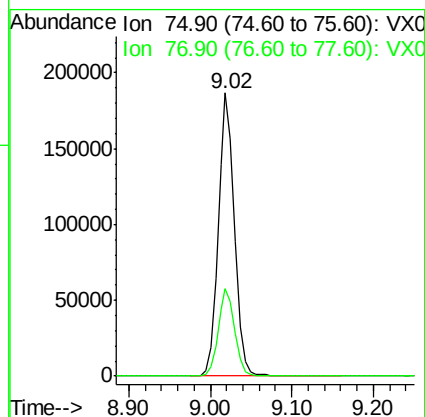
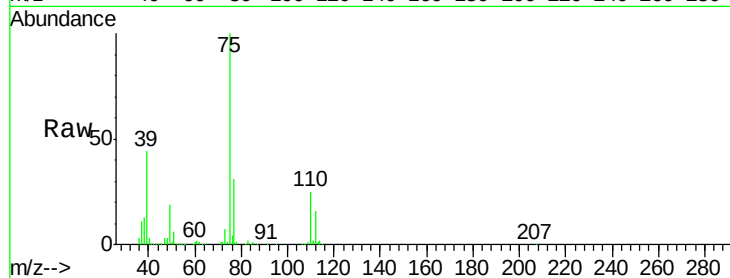
77 31.0 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 55.111 ug/l

RT: 8.41 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

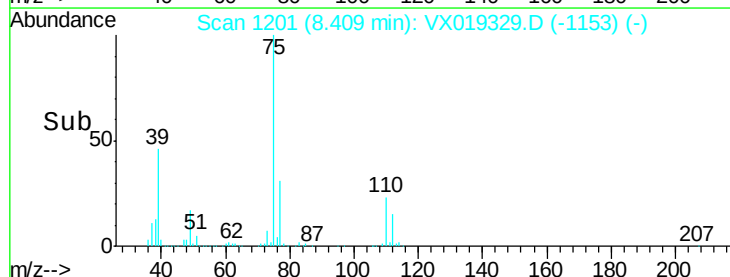
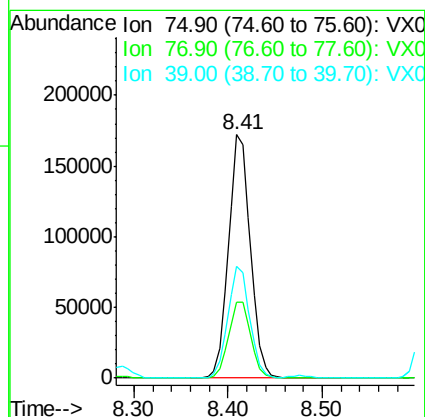
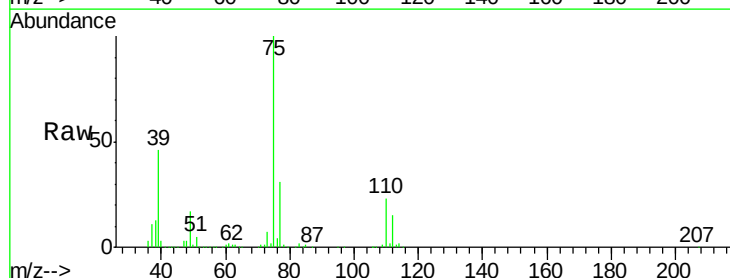
Tgt Ion: 75 Resp: 276591

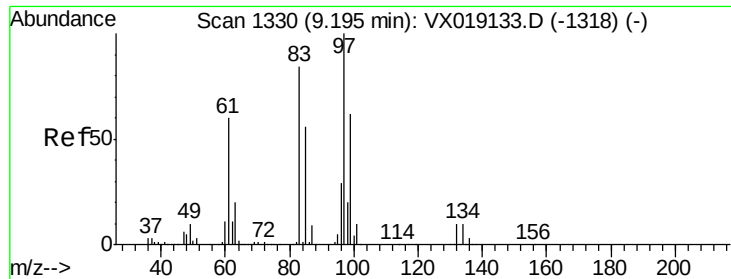
Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 46.0 36.2 54.2





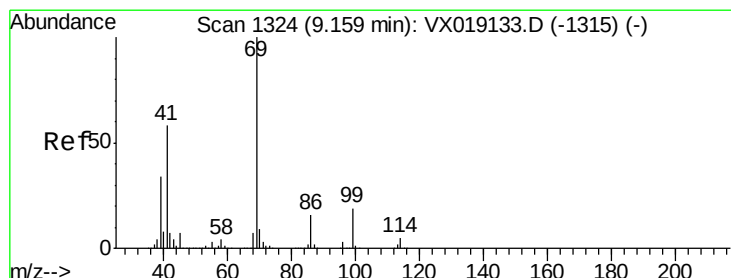
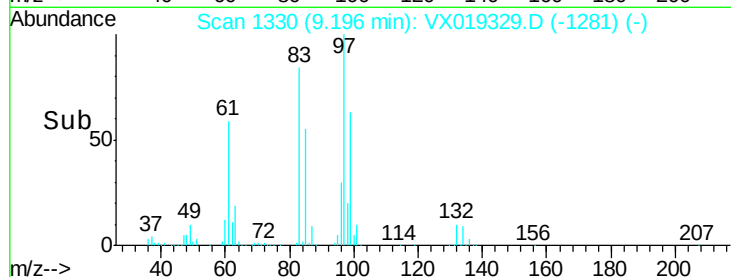
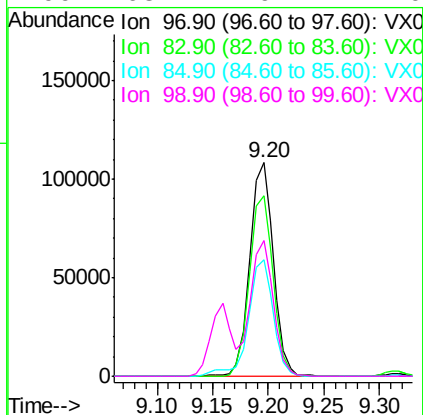
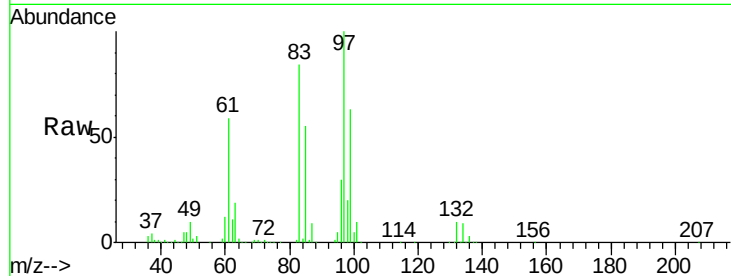
#55
 1,1,2-Trichloroethane
 Concen: 53.748 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	160094
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.2	100.8
85	54.6	44.6	67.0
99	63.2	49.4	74.0

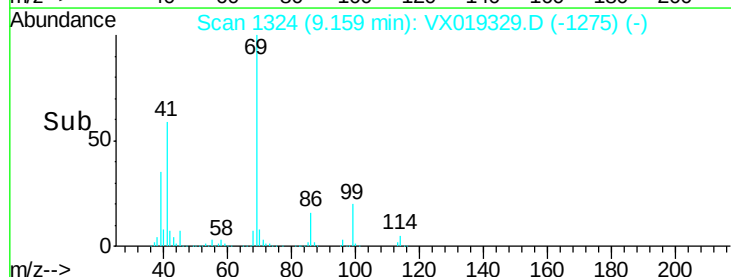
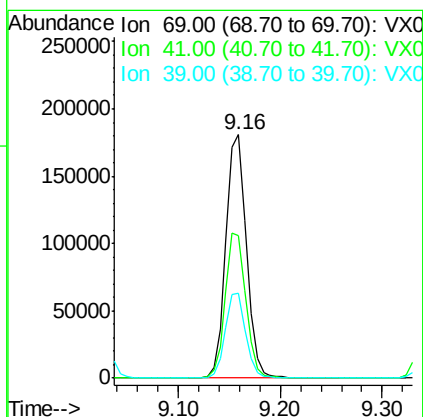
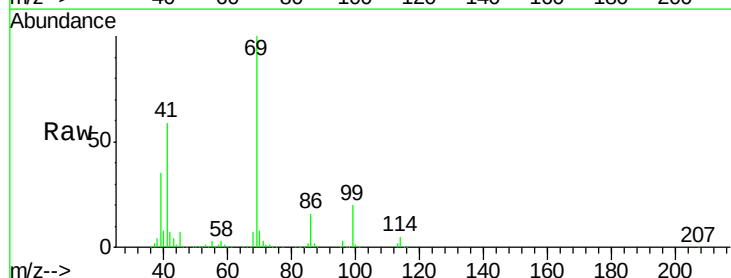
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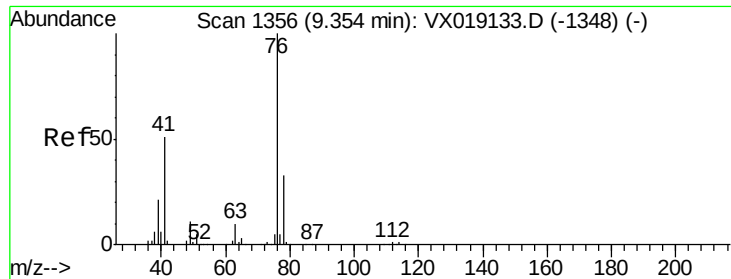
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#56
 Ethyl methacrylate
 Concen: 56.009 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Tgt Ion:	69	Resp:	251984
Ion	Ratio	Lower	Upper
69	100		
41	59.8	46.5	69.7
39	34.9	27.6	41.4





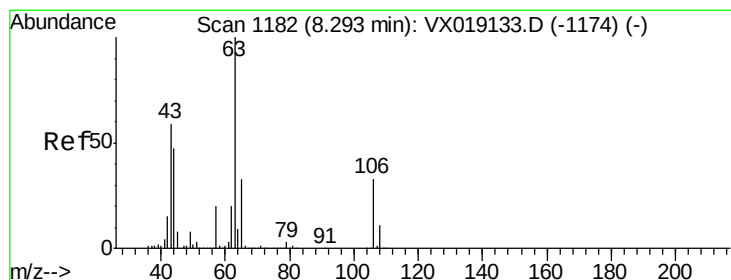
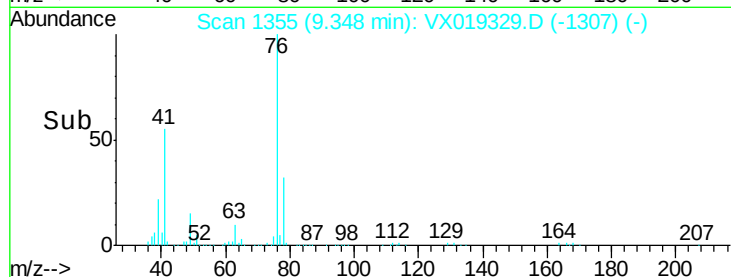
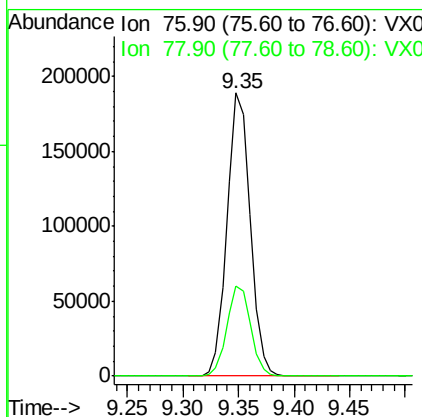
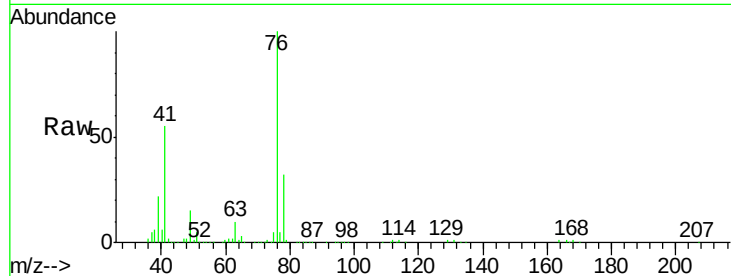
#57
 1,3-Dichloropropane
 Concen: 54.423 ug/l
 RT: 9.35 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

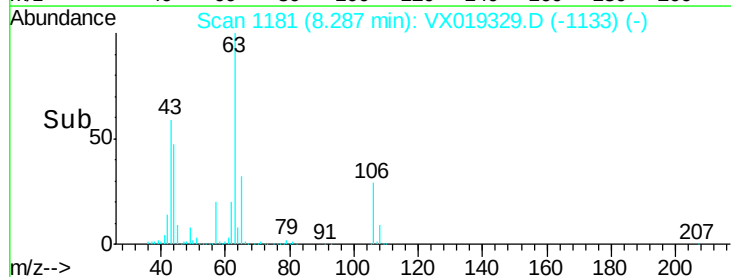
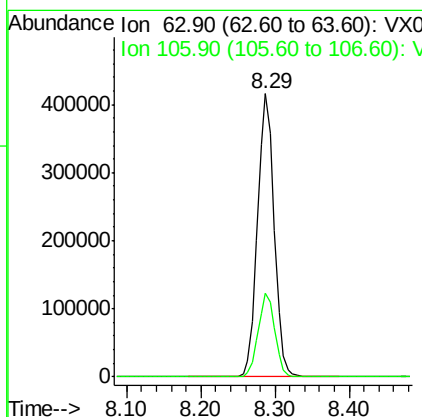
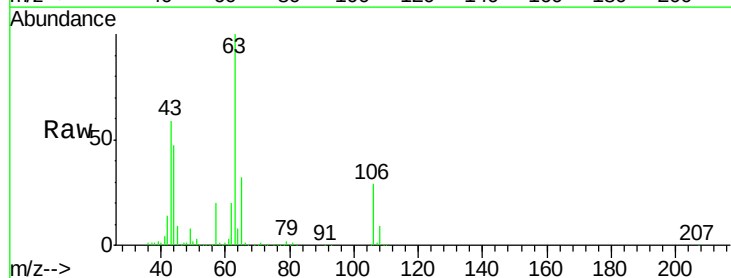
Manual Integrations
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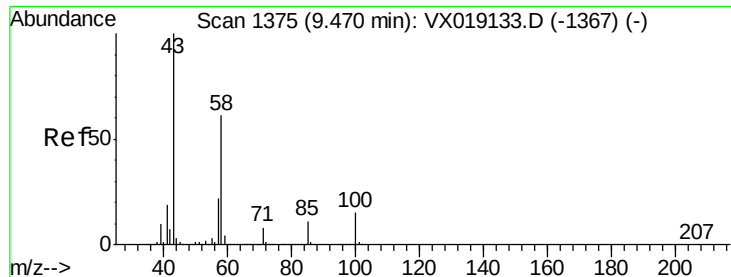
MMDadoda
 11/9/2020 9:37:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.168 ug/l
 RT: 8.29 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	25.1	37.7





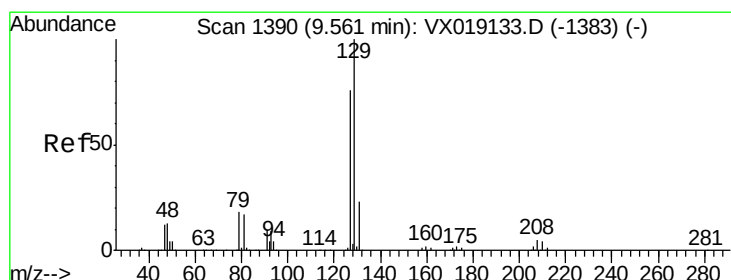
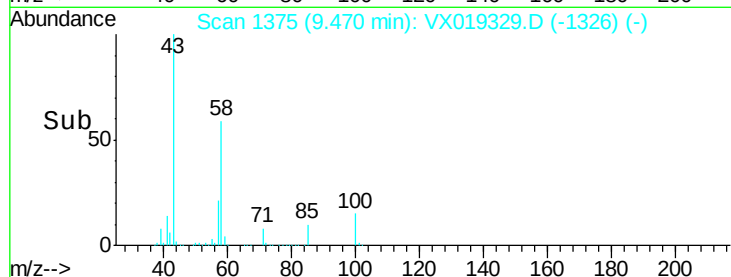
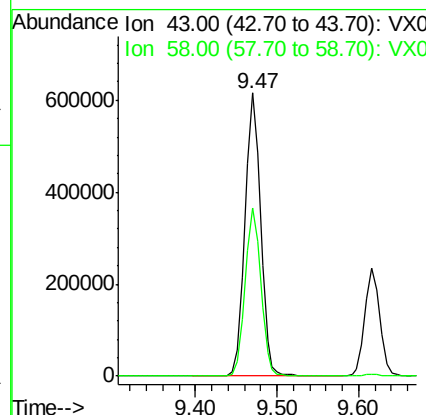
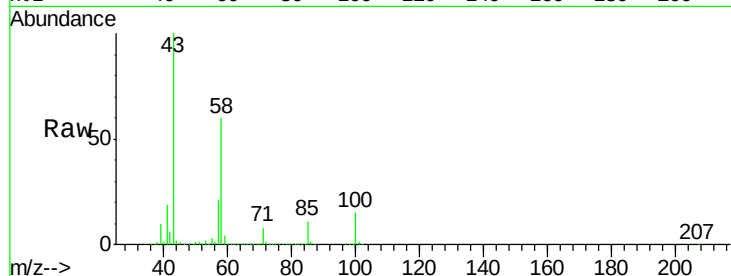
#59
2-Hexanone
Concen: 288.074 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.9	30.5	91.5

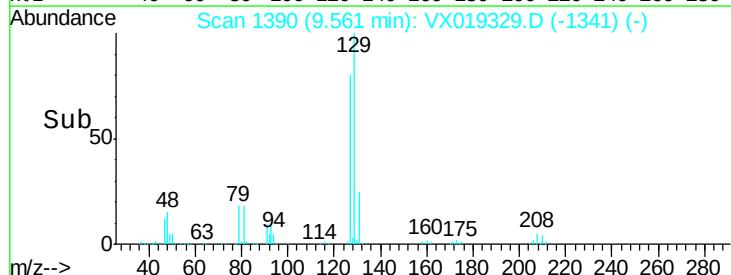
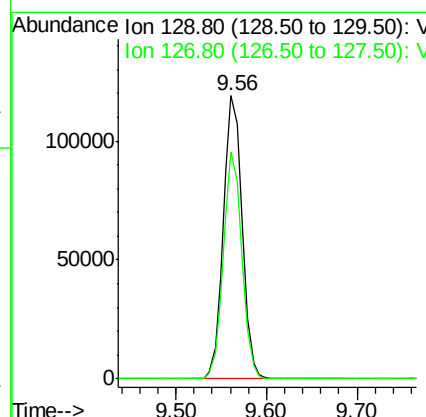
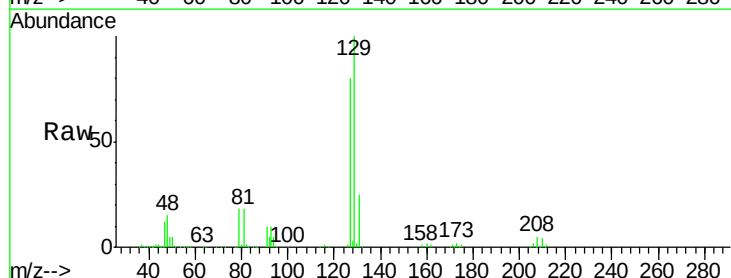
Manual Integrations
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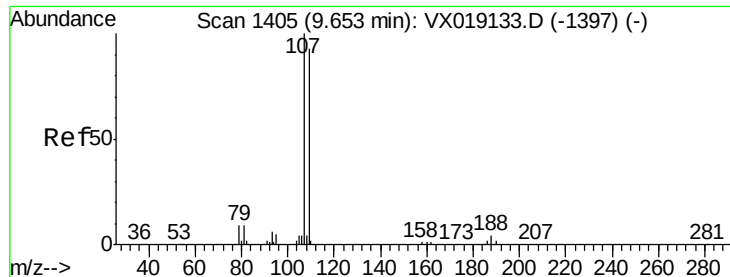
MMDadoda
11/9/2020 9:37:09 AM



#60
Dibromochloromethane
Concen: 53.506 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.6	115.8





#61

1,2-Dibromoethane

Concen: 53.503 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 170416

Ion Ratio Lower Upper

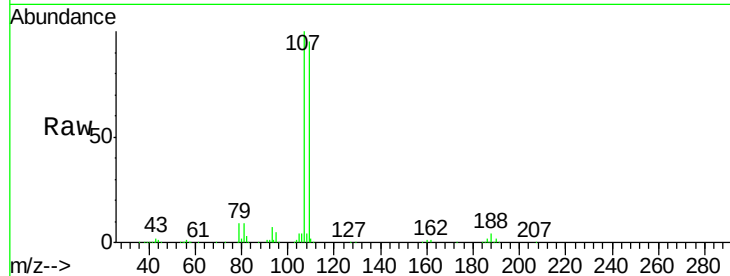
107 100

109 92.9 75.9 113.9

Manual Integrations
APPROVED

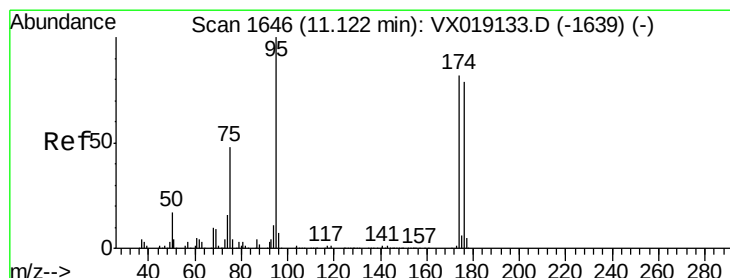
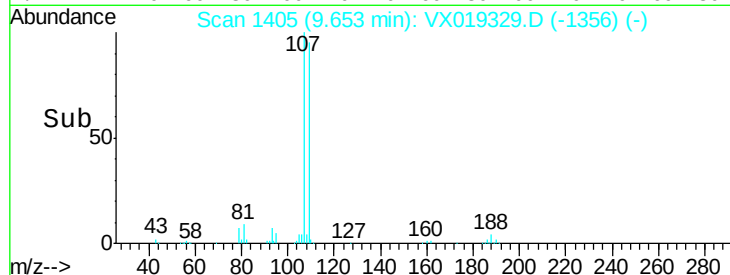
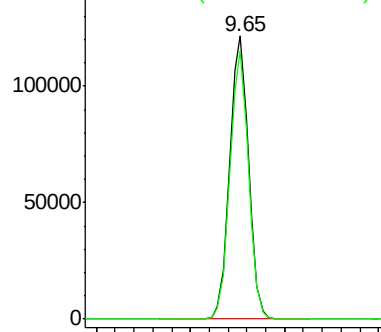
MMDadoda

11/9/2020 9:37:09 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.987 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

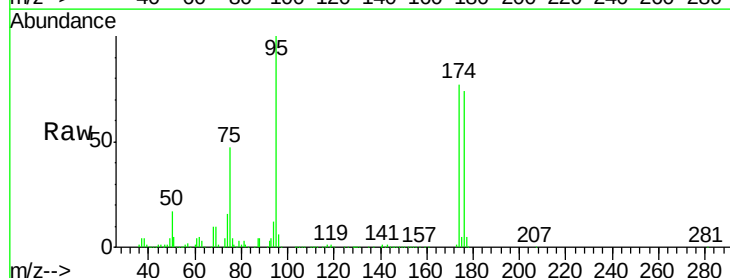
Tgt Ion: 95 Resp: 200388

Ion Ratio Lower Upper

95 100

174 75.0 0.0 156.0

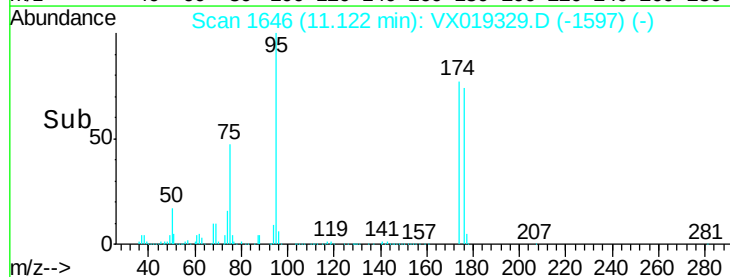
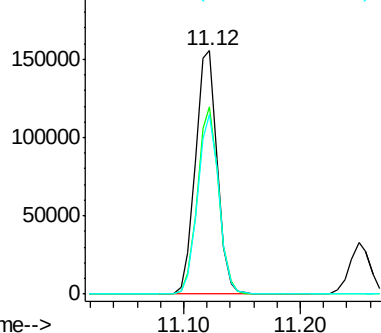
176 72.9 0.0 149.8

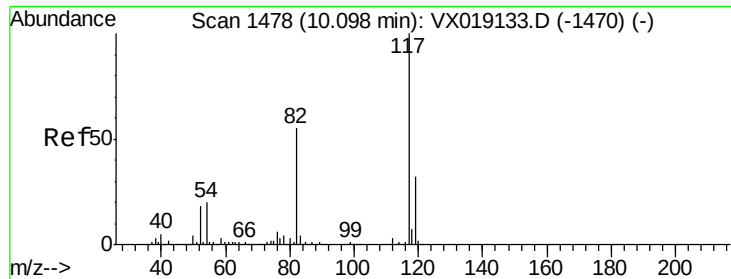


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





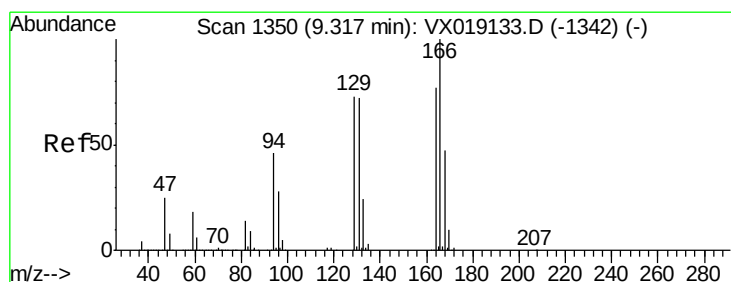
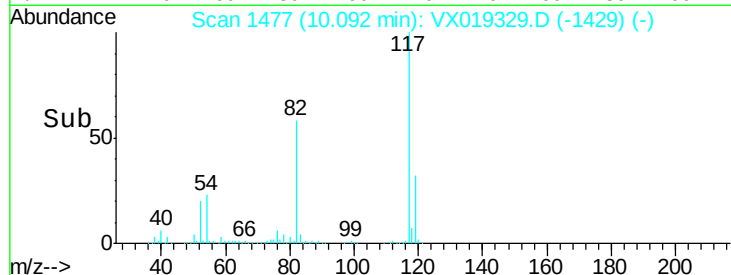
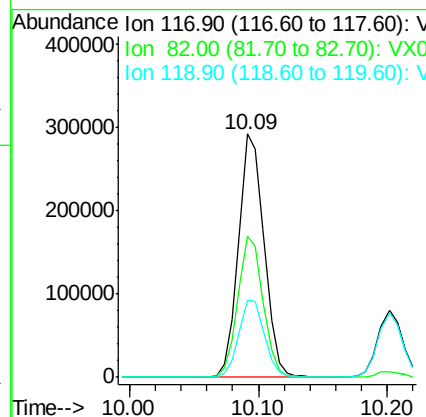
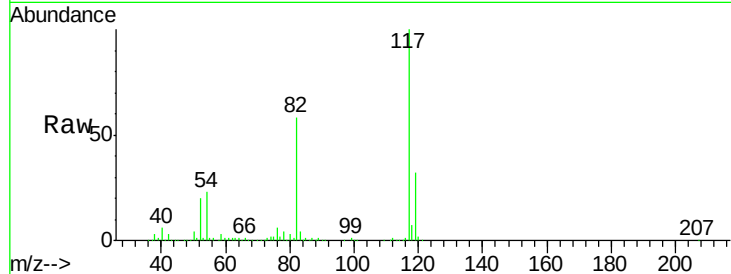
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	406269		
82	58.0		43.6	65.4
119	31.7		25.5	38.3

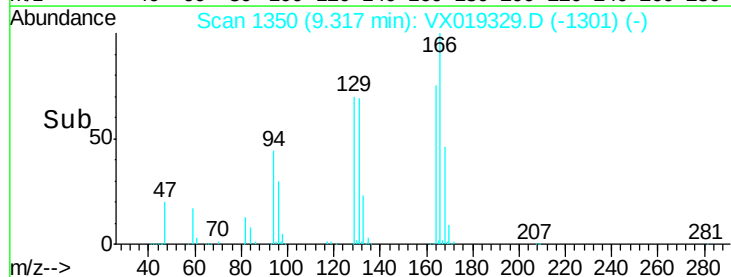
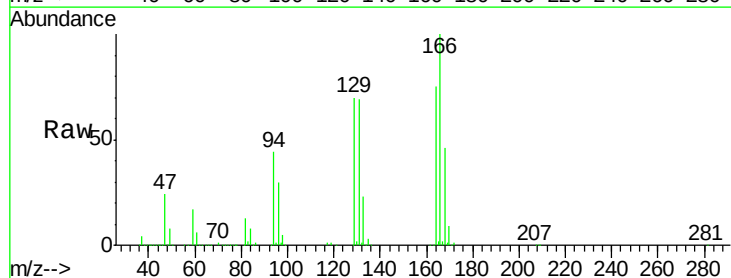
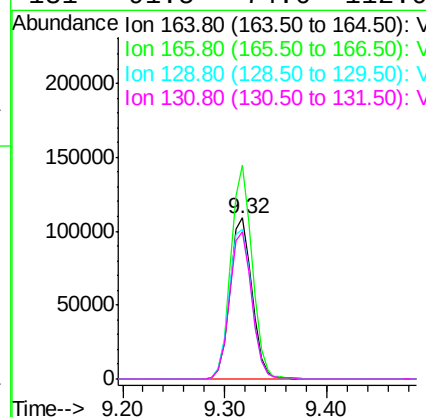
Manual Integrations
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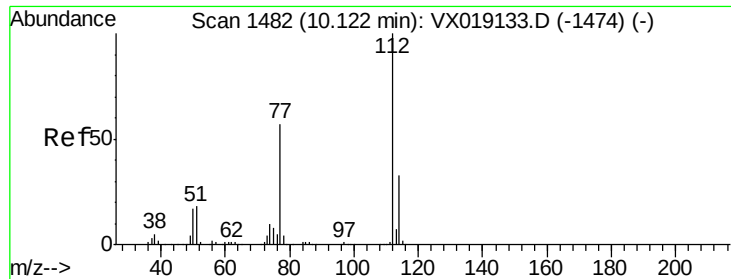
MMDadoda
11/9/2020 9:37:09 AM



#64
Tetrachloroethene
Concen: 52.253 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	161741		
166	132.5		104.1	156.1
129	92.7		76.2	114.4
131	91.5		74.6	112.0





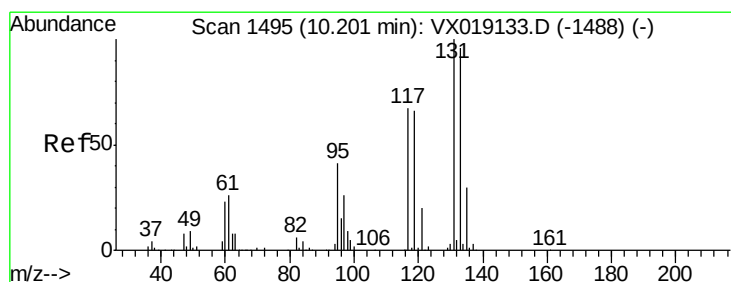
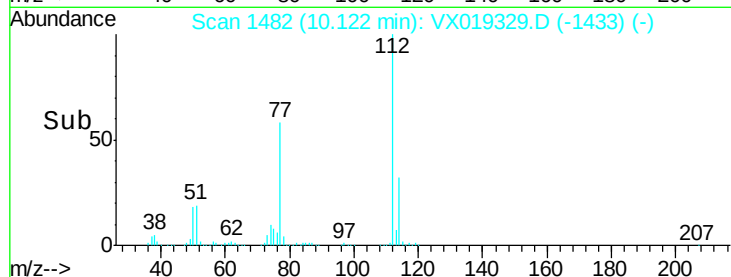
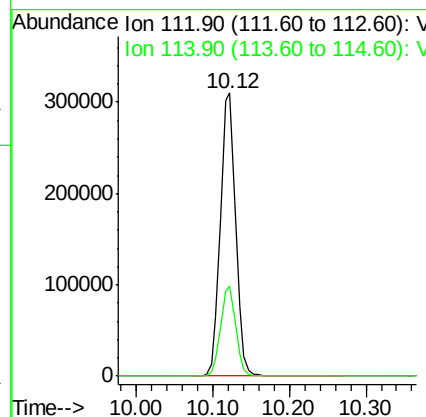
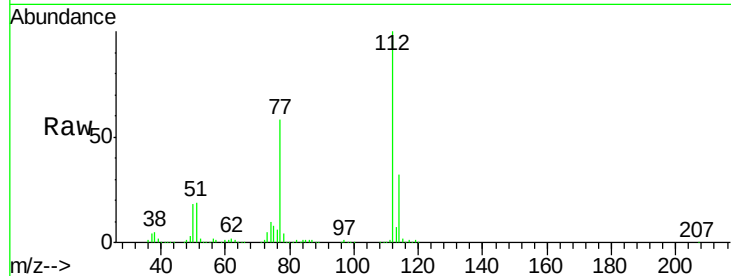
#65
Chlorobenzene
Concen: 51.574 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.1	39.1

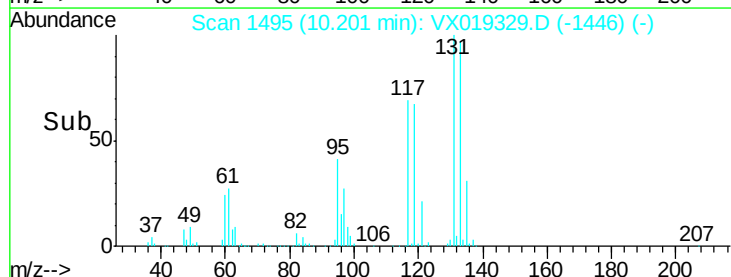
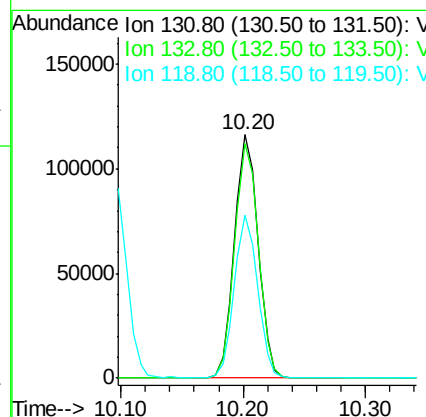
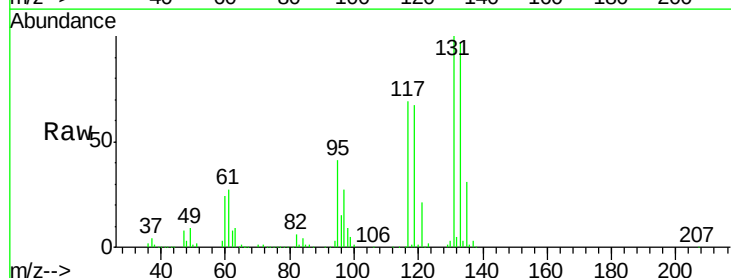
Manual Integrations
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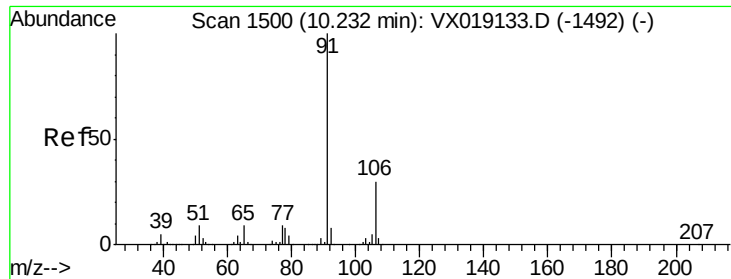
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.865 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.3	141.8
119	65.8	32.3	96.9





#67

Ethyl Benzene

Concen: 53.216 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 787419

Ion Ratio Lower Upper

91 100

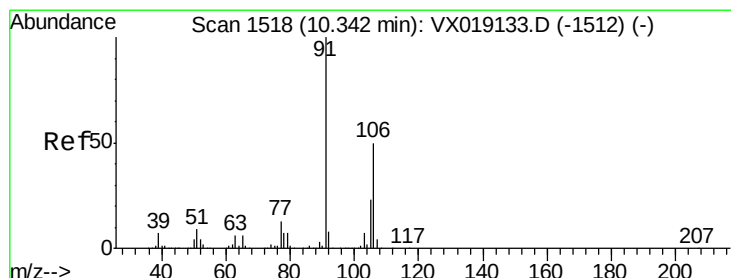
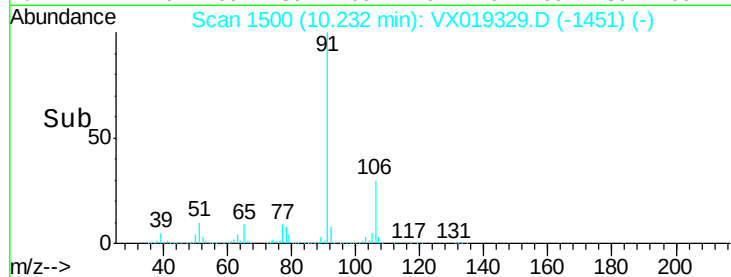
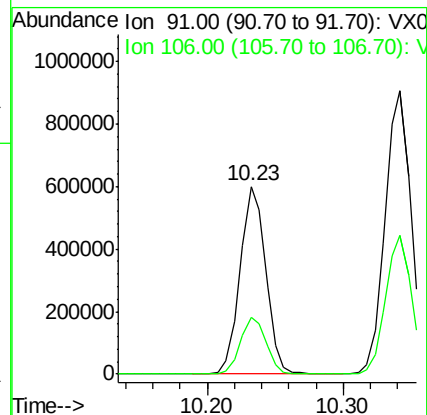
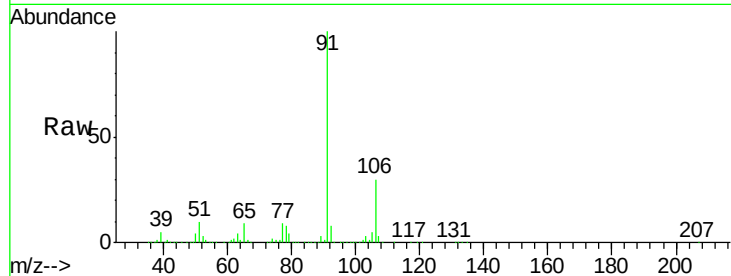
106 30.4 24.3 36.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 106.441 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019329.D

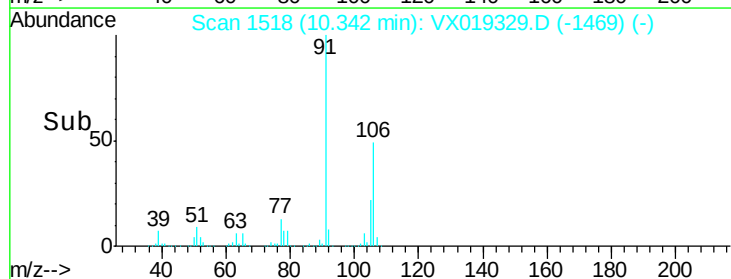
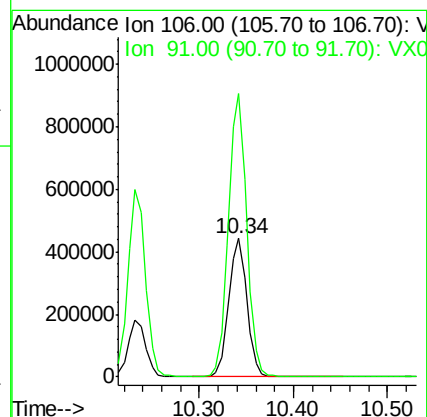
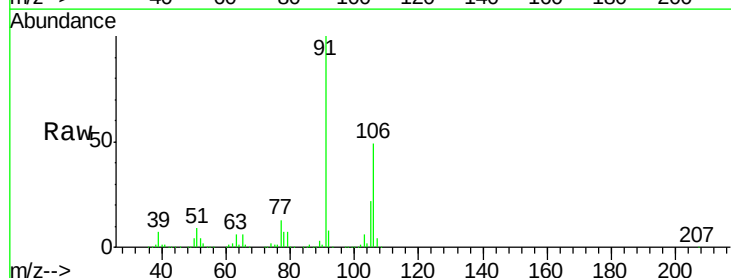
Acq: 06 Nov 2020 10:02

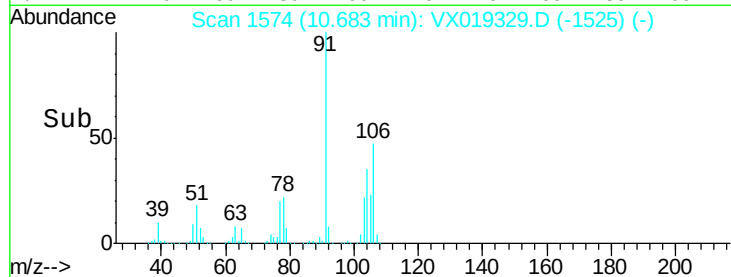
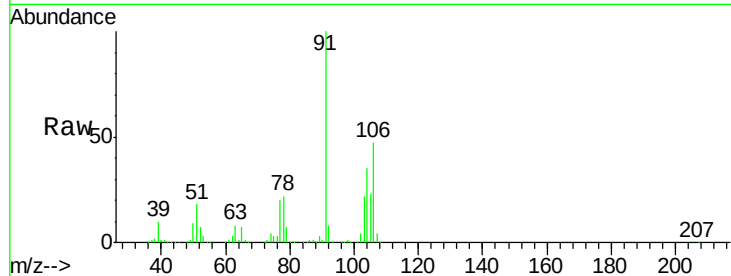
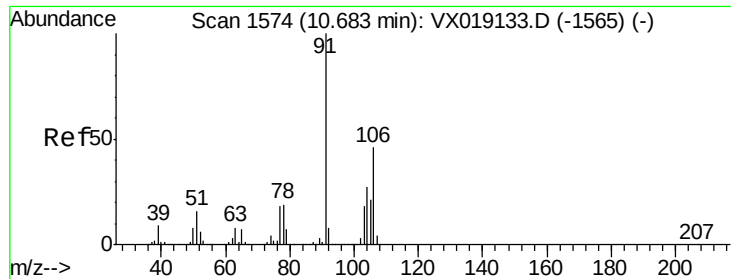
Tgt Ion: 106 Resp: 591113

Ion Ratio Lower Upper

106 100

91 205.9 161.0 241.4





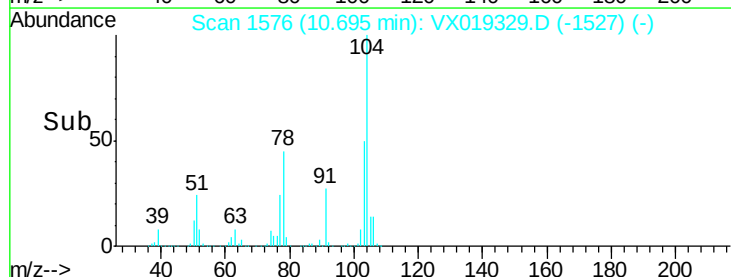
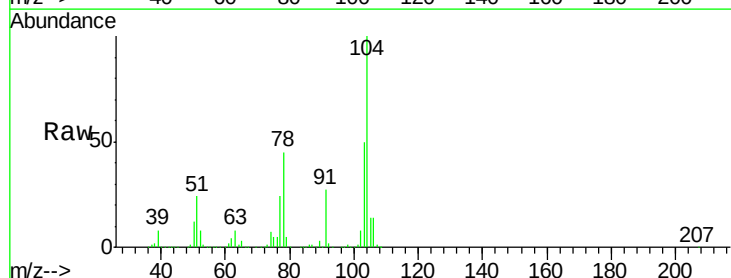
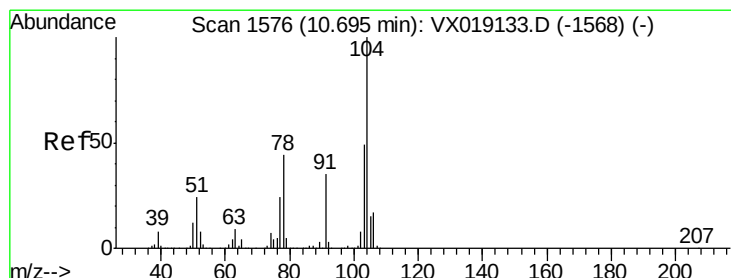
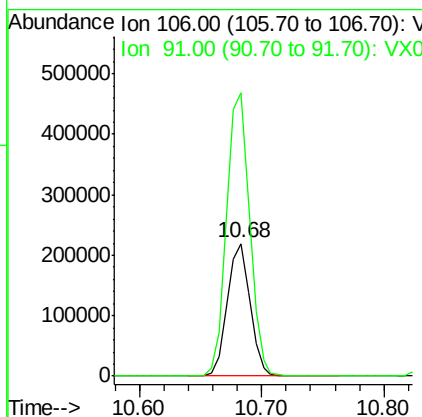
#69
o-Xylene
Concen: 53.295 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tot Ion:106 Resp: 280723
Ion Ratio Lower Upper
106 100
91 217.7 108.3 324.8

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

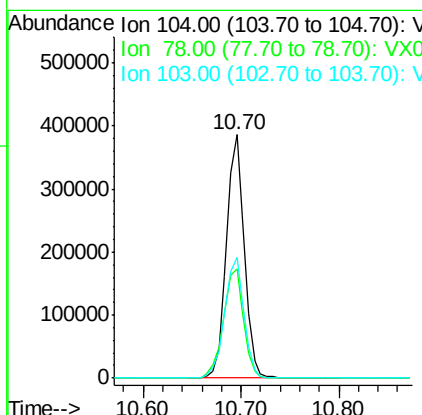
Manual Integrations
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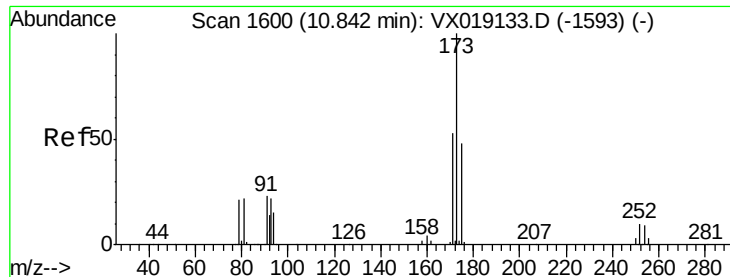
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#70
Styrene
Concen: 54.430 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion:104 Resp: 489182
Ion Ratio Lower Upper
104 100
78 50.9 40.0 60.0
103 53.9 43.5 65.3





#71

Bromoform

Concen: 52.461 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

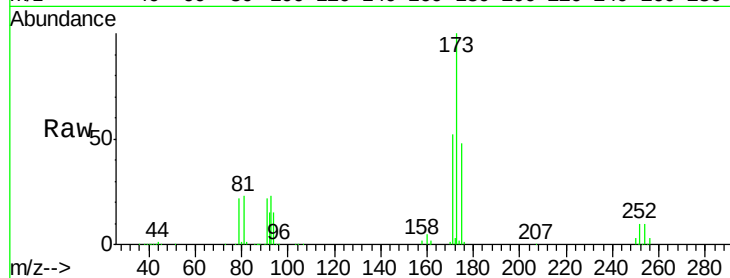
ClientSampleId :

VSTDCCC050

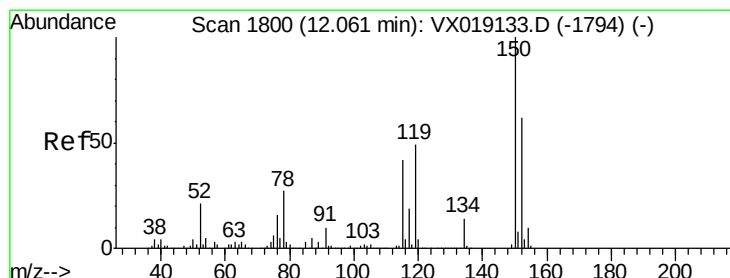
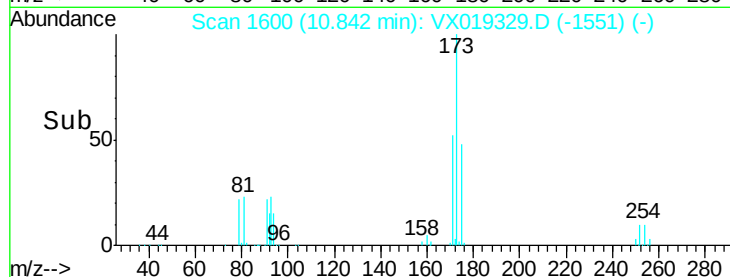
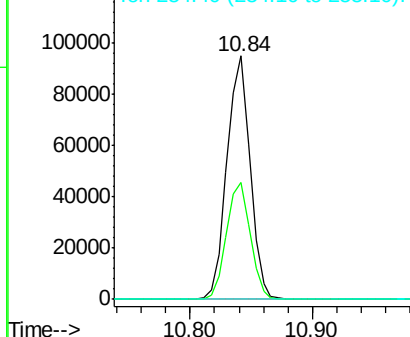
Tot Ion:	173	Resp:	124341
Ion Ratio	Lower	Upper	
173	100		
175	49.4	24.4	73.4
254	0.0	0.1	0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

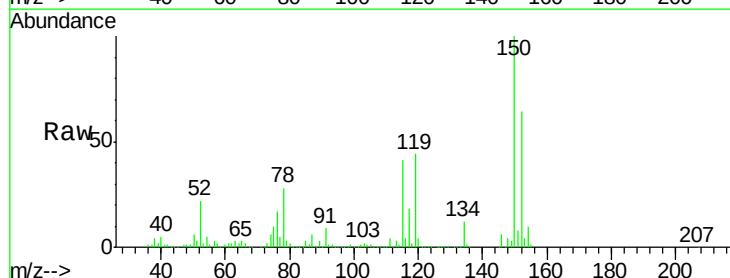
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

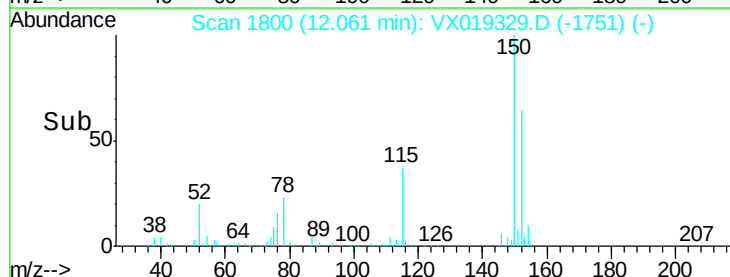
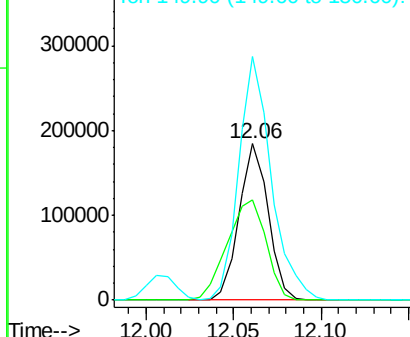
Lab File: VX019329.D

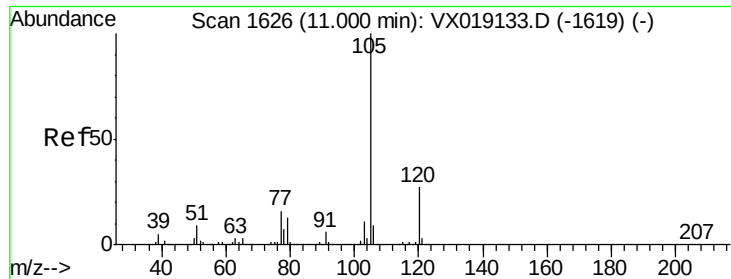
Acq: 06 Nov 2020 10:02

Tgt Ion:	152	Resp:	214297
Ion Ratio	Lower	Upper	
152	100		
115	85.7	41.9	125.7
150	174.1	0.0	347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





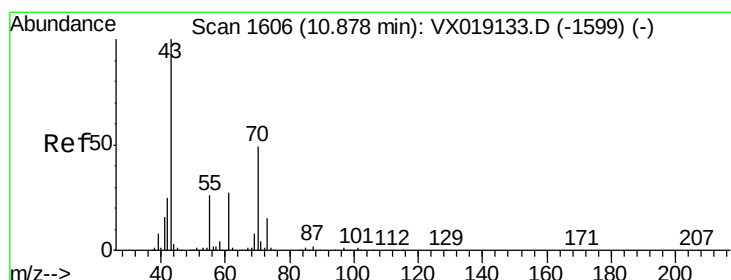
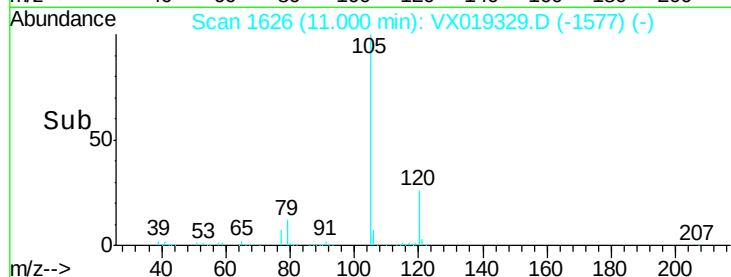
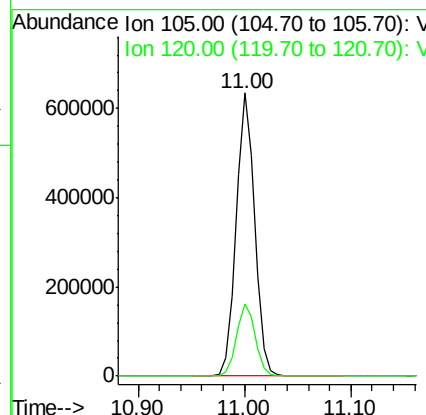
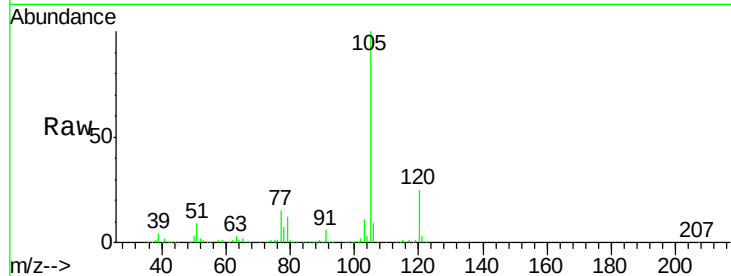
#73
Isopropylbenzene
Concen: 51.086 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.8

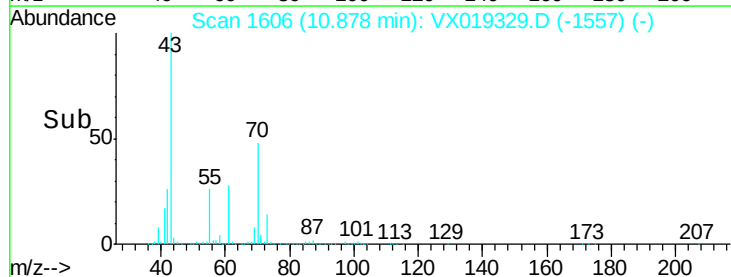
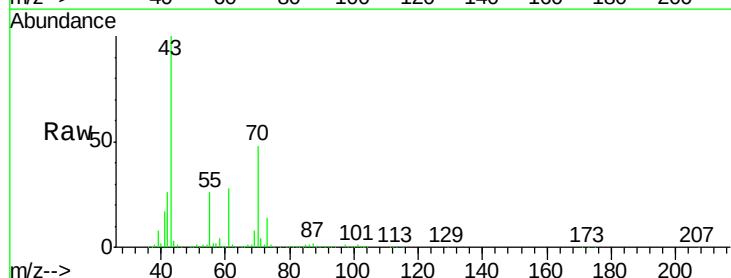
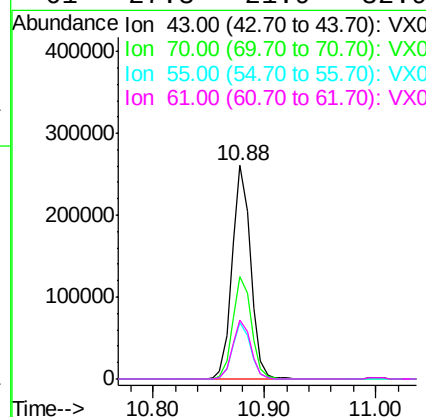
Manual Integrations
APPROVED

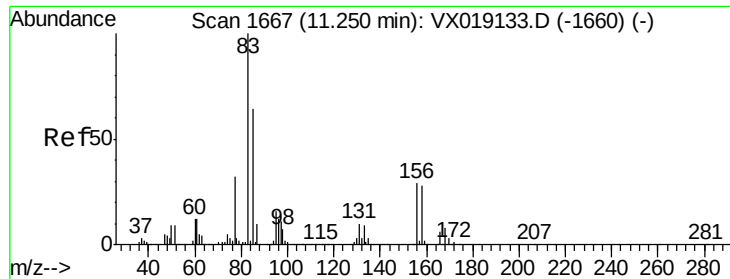
MMDadoda
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#74
N-ethyl acetate
Concen: 53.875 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.5	39.6	59.4
55	25.9	20.7	31.1
61	27.3	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.376 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

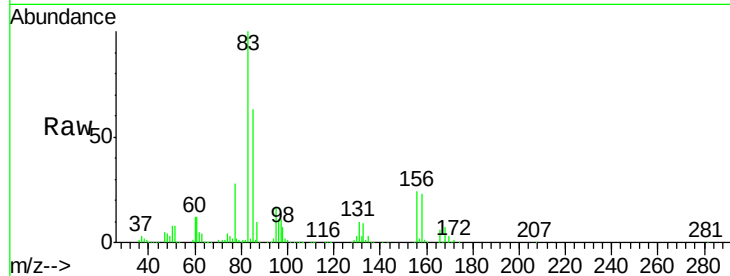
ClientSampleId :

VSTDCCC050

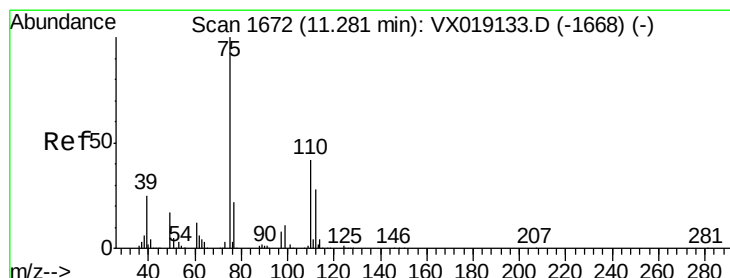
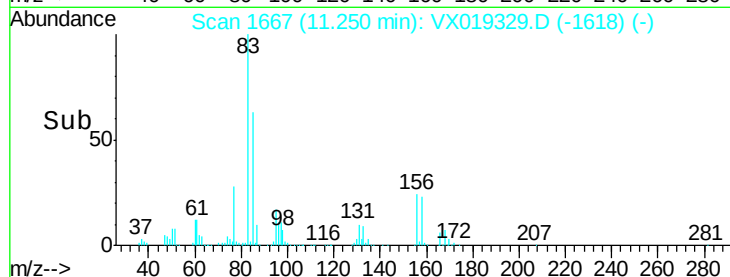
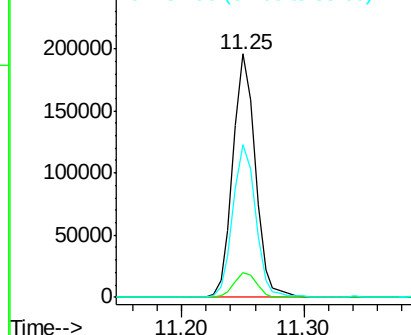
Tot Ion:	83	Resp:	248300
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	63.9	32.1	96.3

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



#76

1,2,3-Trichloropropane

Concen: 54.705 ug/l m

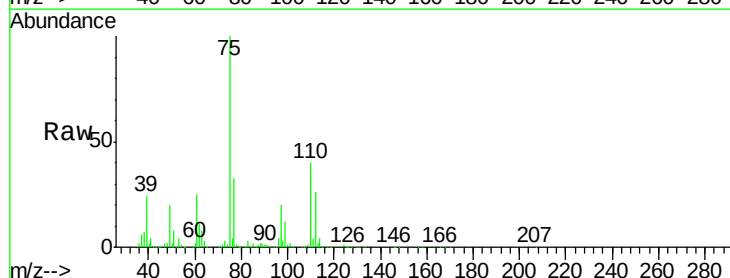
RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

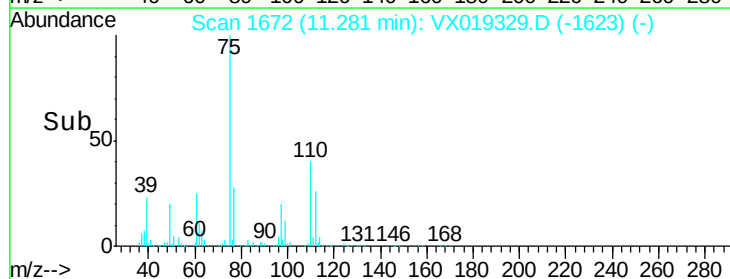
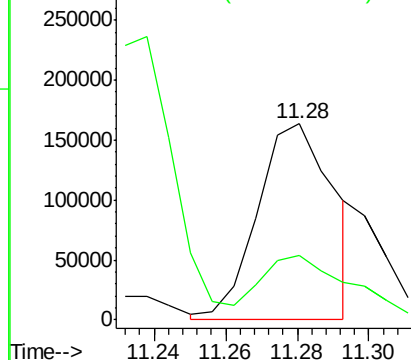
Lab File: VX019329.D

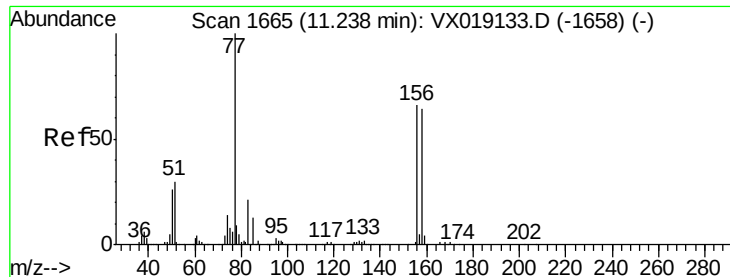
Acq: 06 Nov 2020 10:02

Tgt Ion:	75	Resp:	242058
Ion Ratio	Lower	Upper	
75	100		
77	38.8	20.3	60.9



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





#77

Bromobenzene

Concen: 49.719 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 187179

Ion Ratio Lower Upper

156 100

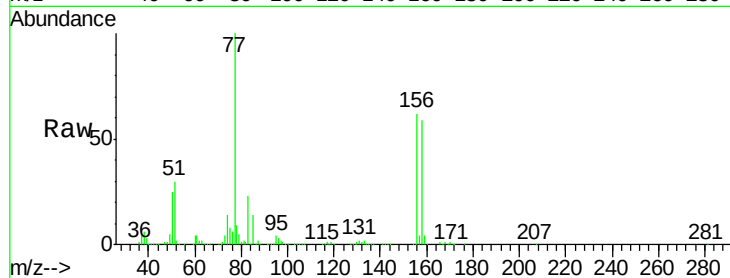
77 168.5 77.7 233.1

158 95.9 48.3 144.8

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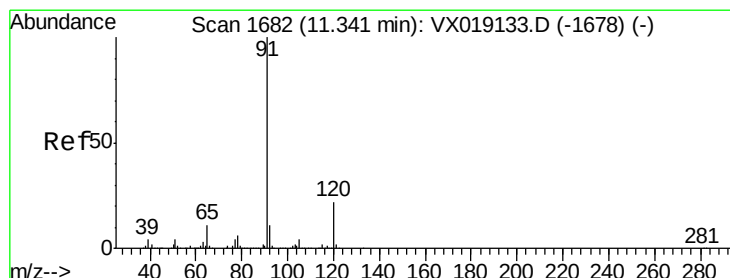
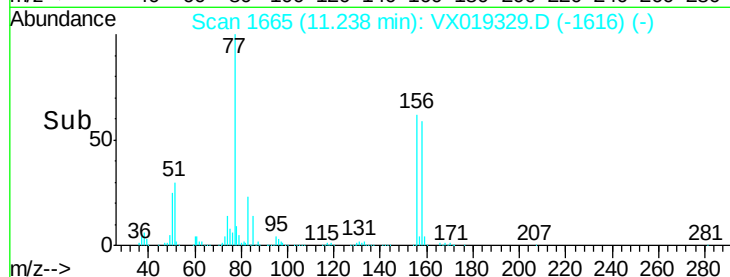
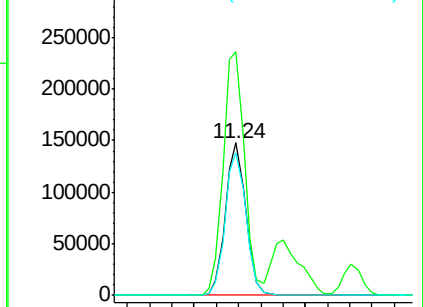
11/9/2020 9:37:09 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.165 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019329.D

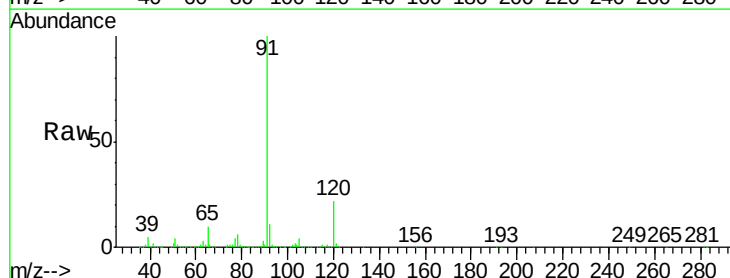
Acq: 06 Nov 2020 10:02

Tgt Ion: 91 Resp: 903281

Ion Ratio Lower Upper

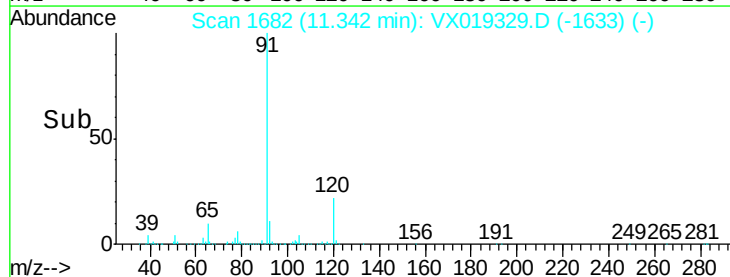
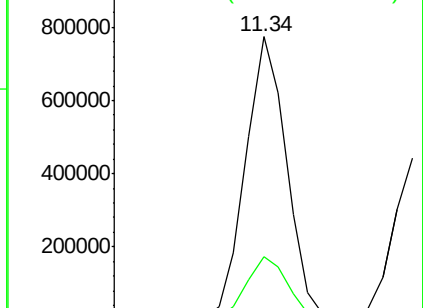
91 100

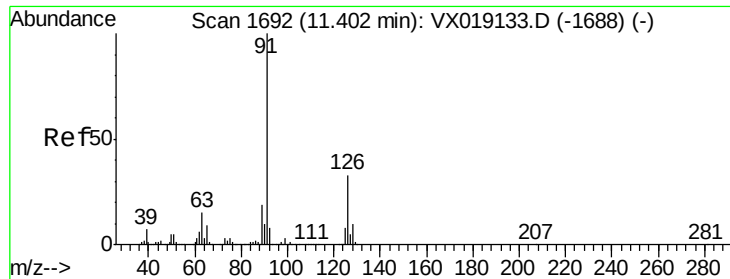
120 23.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





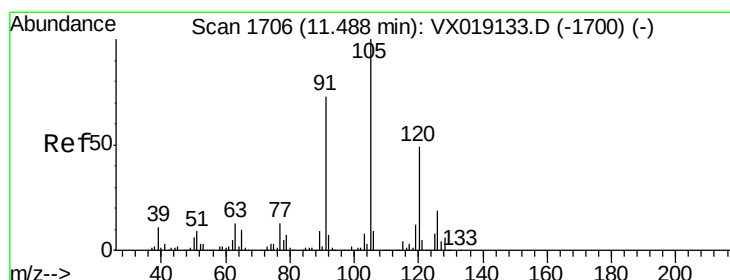
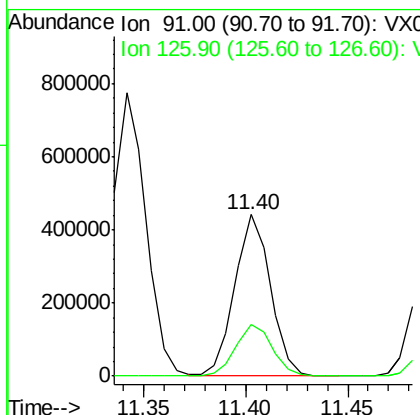
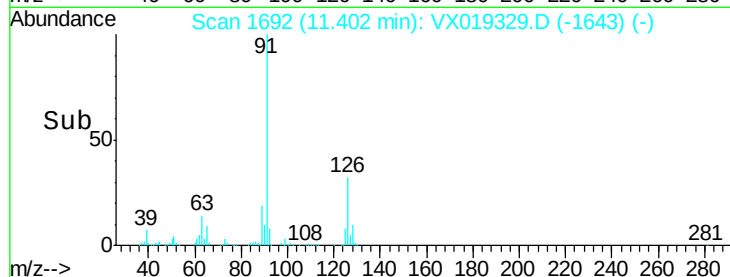
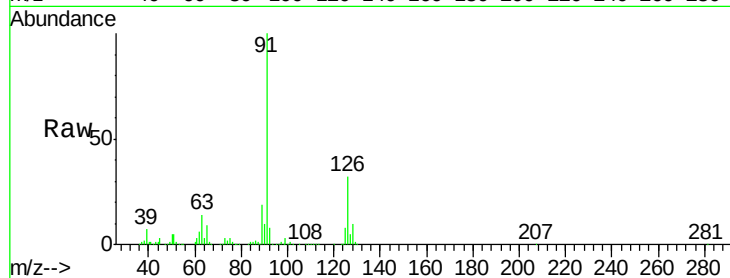
#79
 2-Chlorotoluene
 Concen: 52.319 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 533372
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.9 50.7

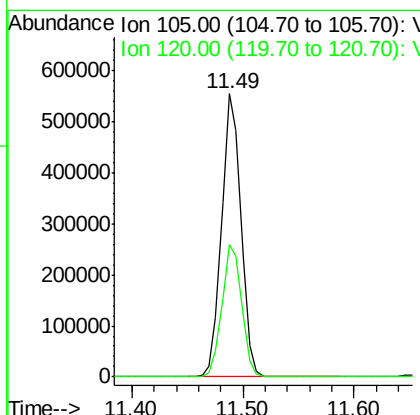
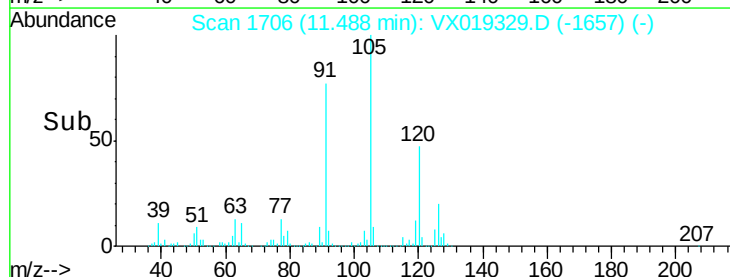
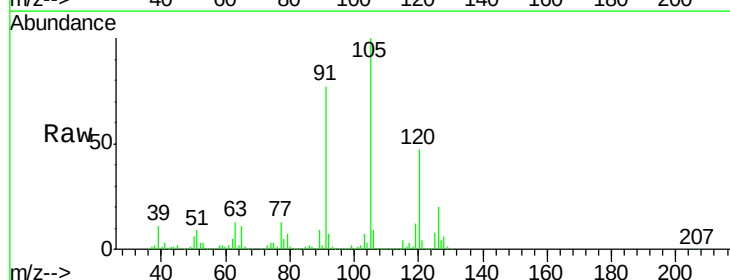
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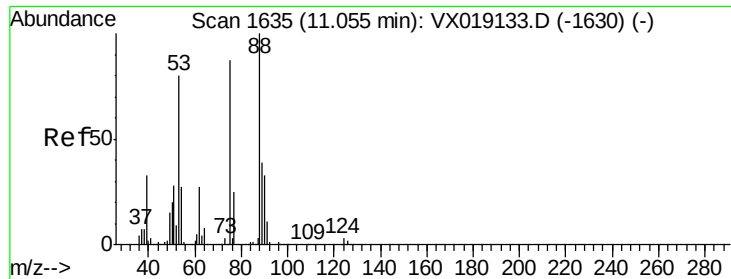
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.959 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Tgt Ion: 105 Resp: 665844
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.555 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 84959

Ion Ratio Lower Upper

75 100

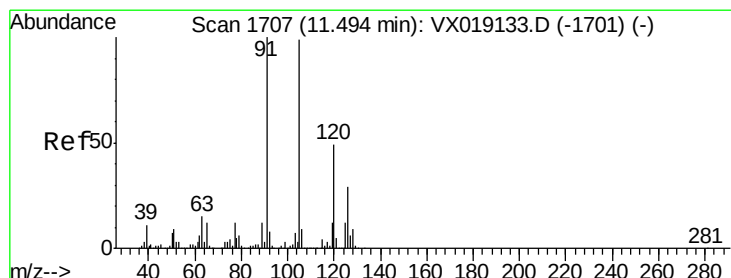
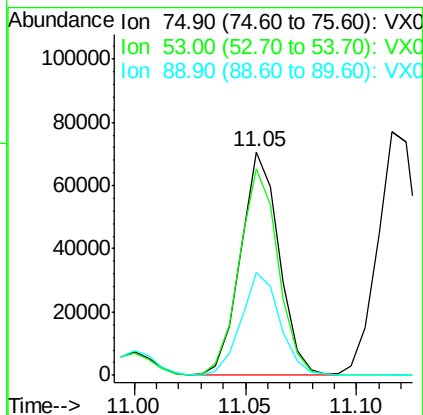
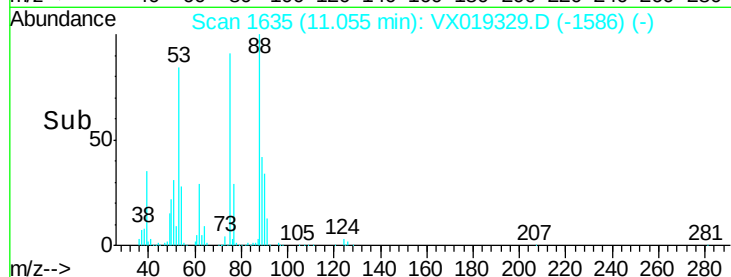
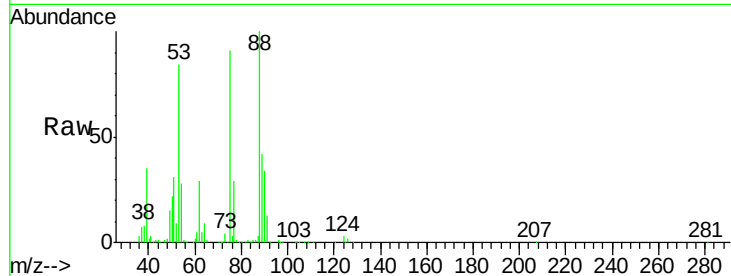
53 93.2 73.3 109.9

89 46.7 38.2 57.2

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#82

4-Chlorotoluene

Concen: 51.262 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX019329.D

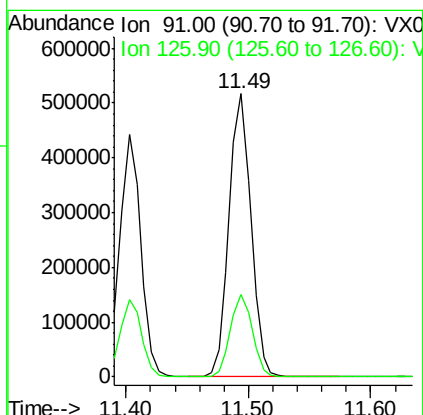
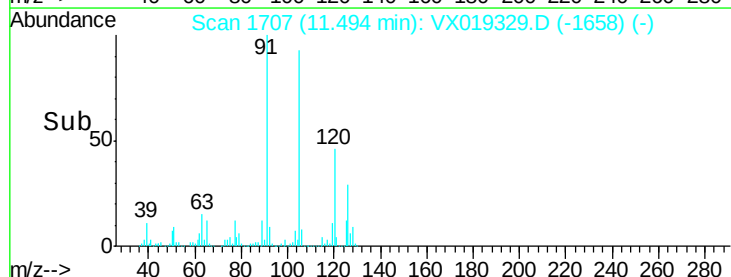
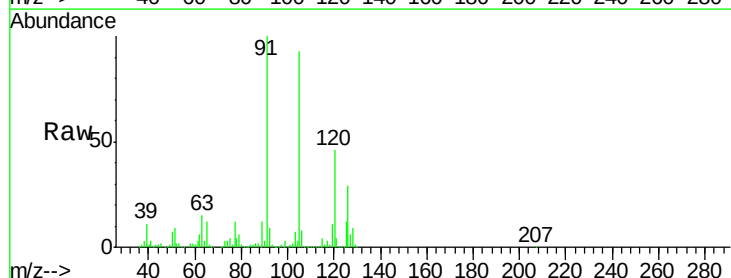
Acq: 06 Nov 2020 10:02

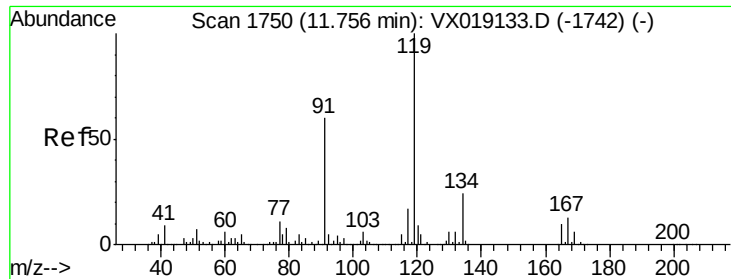
Tgt Ion: 91 Resp: 638163

Ion Ratio Lower Upper

91 100

126 29.1 14.8 44.4





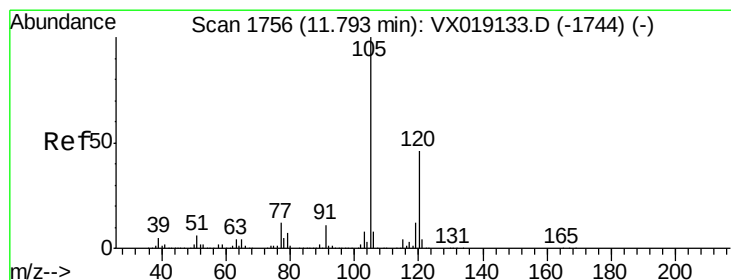
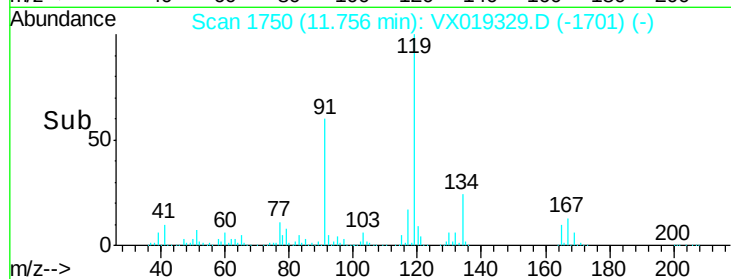
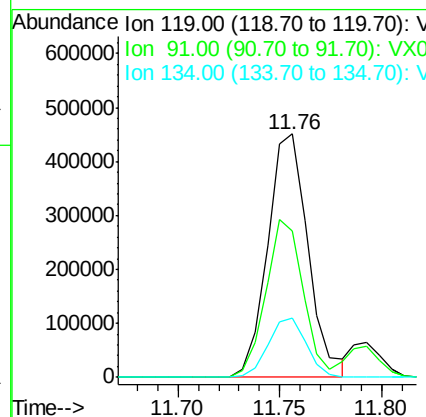
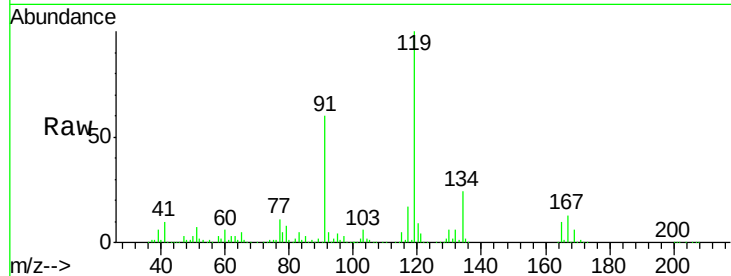
#83
 tert-Butylbenzene
 Concen: 50.900 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.9	29.0	87.1
134	23.1	11.7	35.0

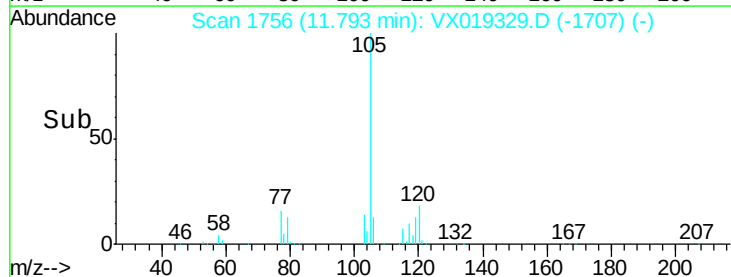
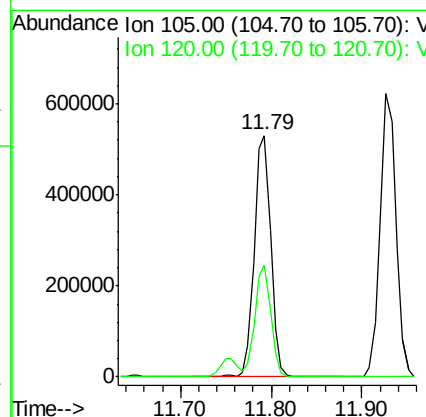
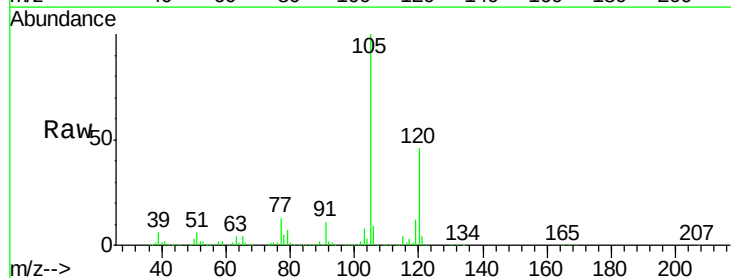
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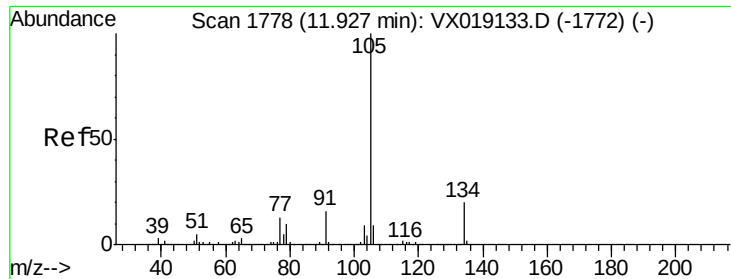
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.704 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3





#85

sec-Butylbenzene

Concen: 51.491 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 757759

Ion Ratio Lower Upper

105 100

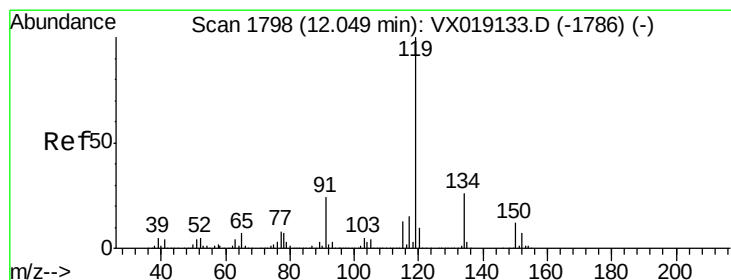
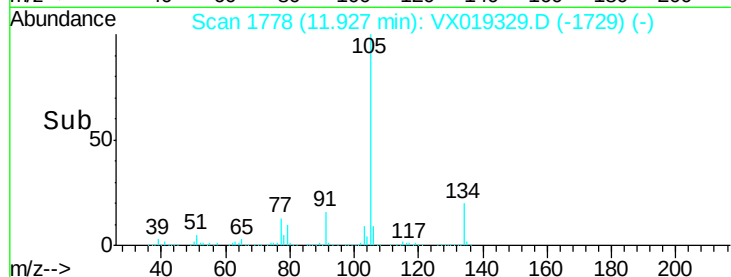
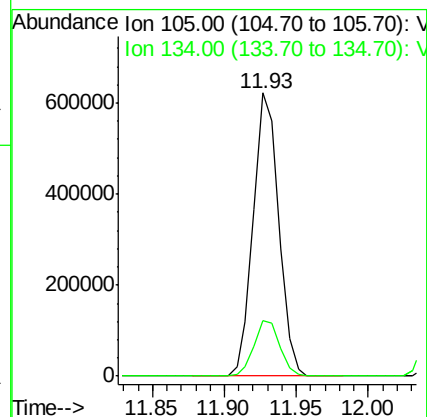
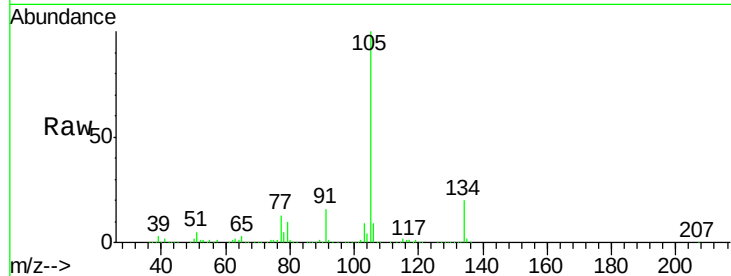
134 19.9 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 51.835 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019329.D

Acq: 06 Nov 2020 10:02

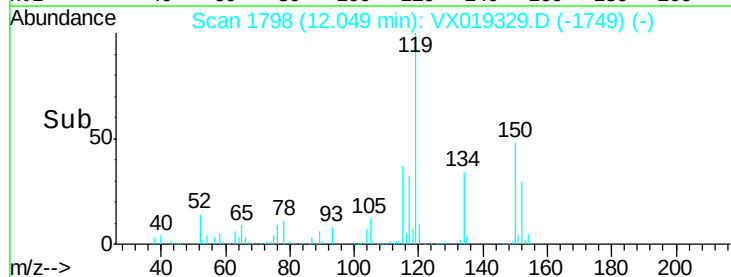
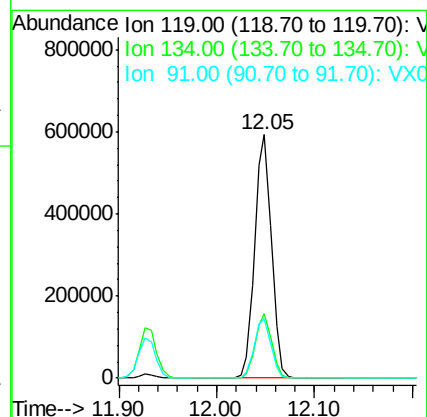
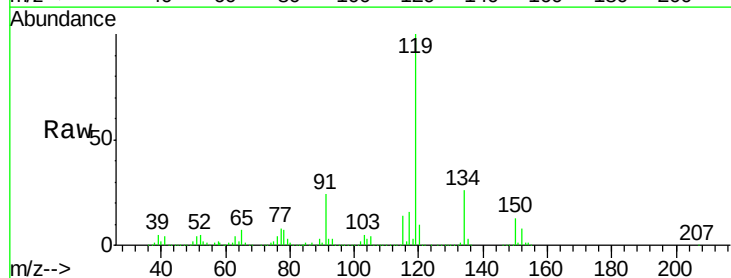
Tgt Ion:119 Resp: 704090

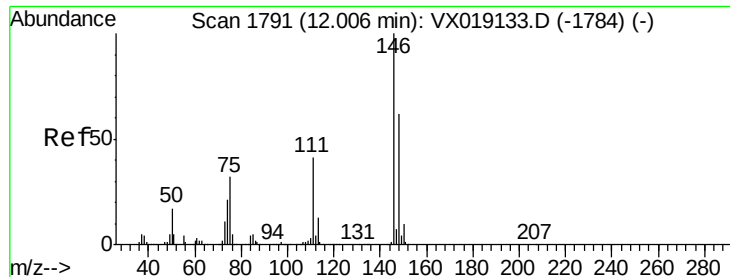
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 24.5 12.0 36.0





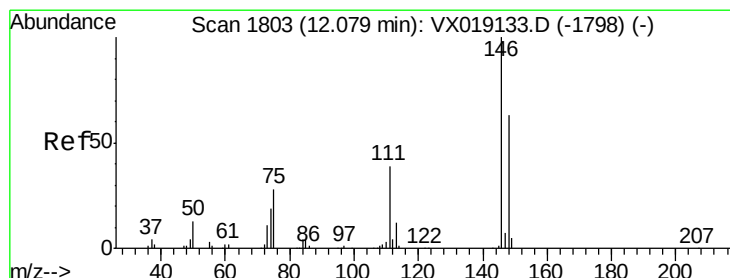
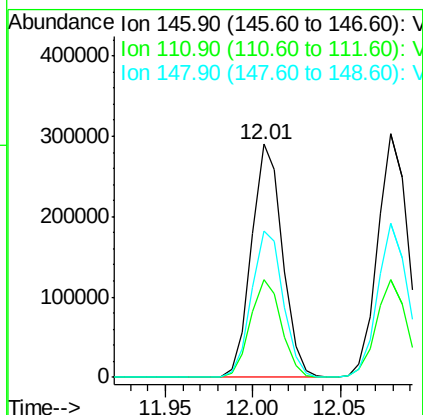
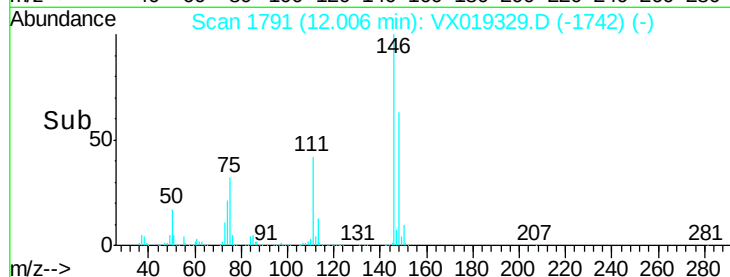
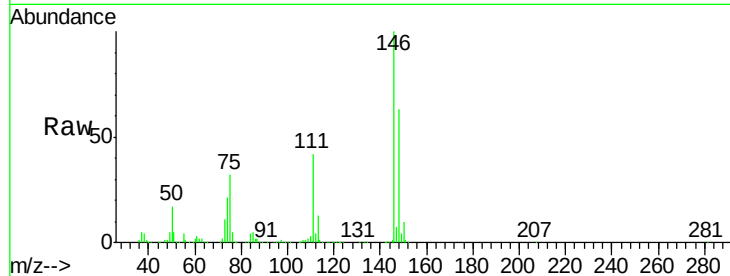
#87
 1,3-Dichlorobenzene
 Concen: 50.958 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.2
148	64.0	31.6	94.8

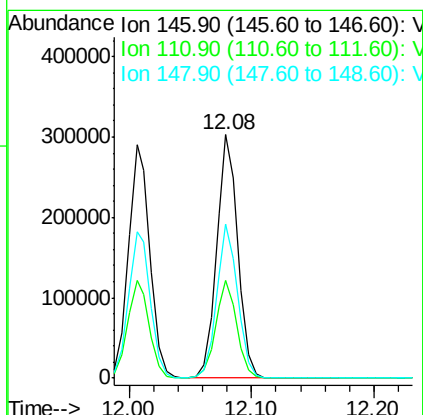
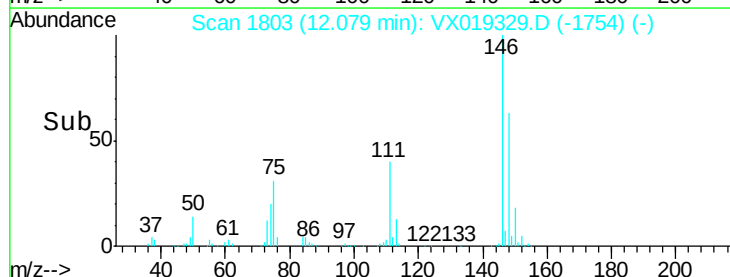
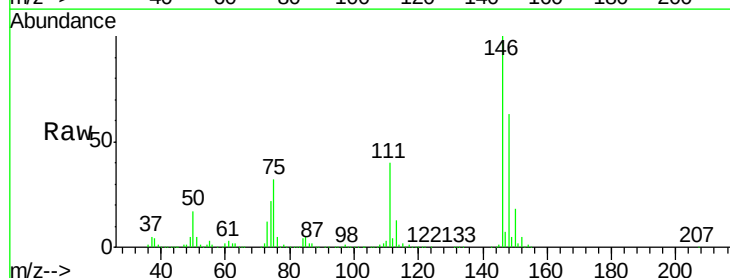
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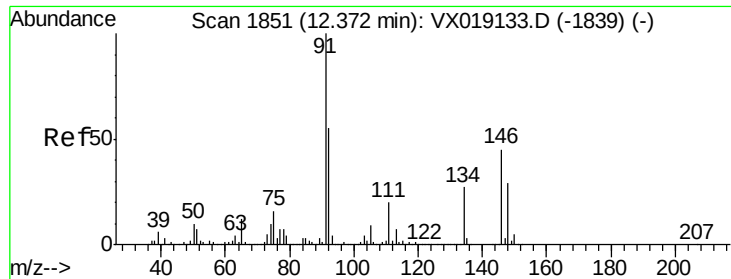
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#88
 1,4-Dichlorobenzene
 Concen: 49.943 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.2	60.5
148	62.9	31.3	93.8





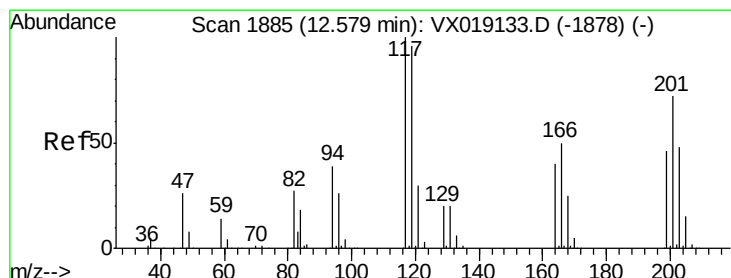
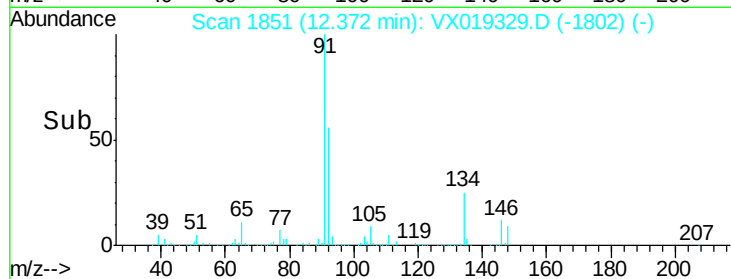
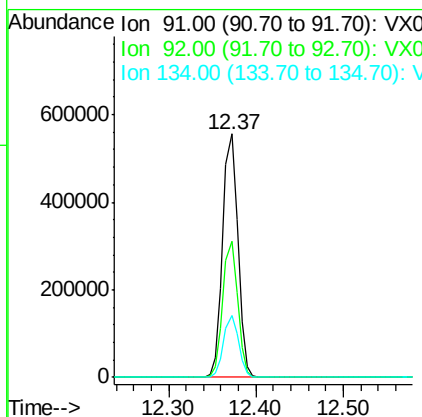
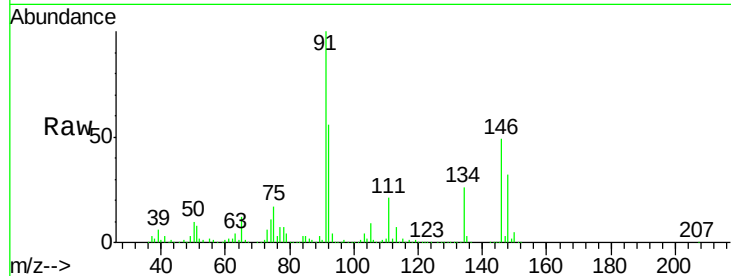
#89
n-Butylbenzene
Concen: 52.086 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	665022		
92	54.9		27.5	82.4
134	25.2		13.2	39.6

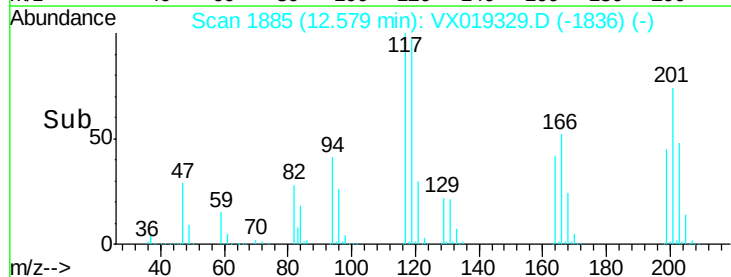
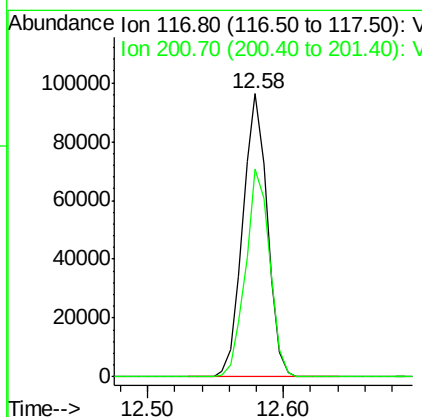
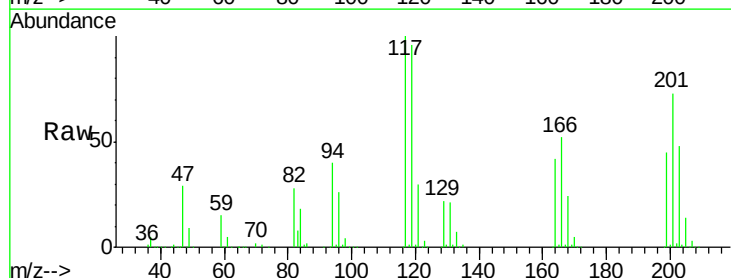
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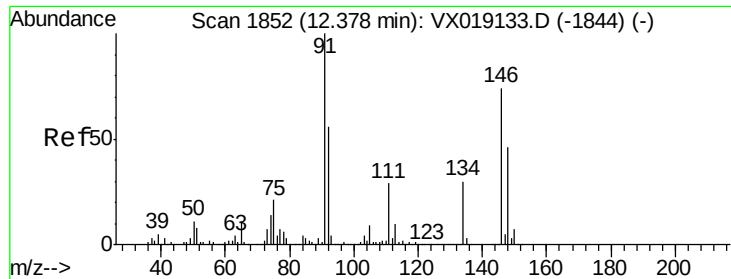
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#90
Hexachloroethane
Concen: 52.427 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	121043		
201	72.3		38.5	115.3





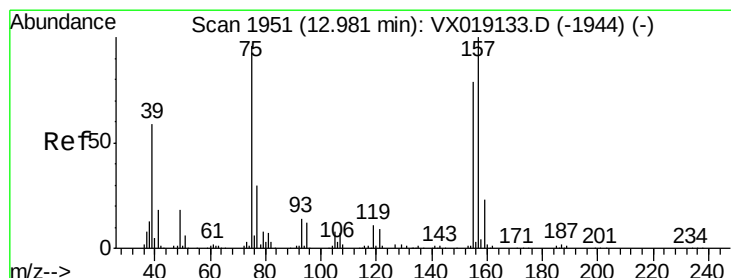
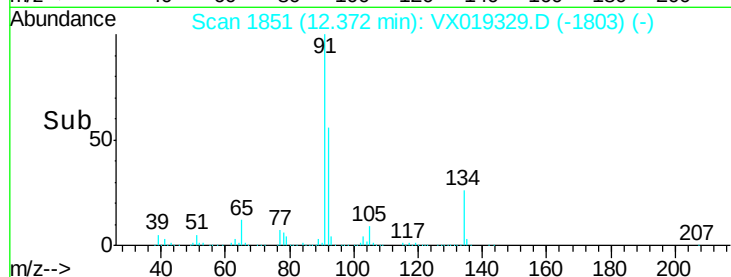
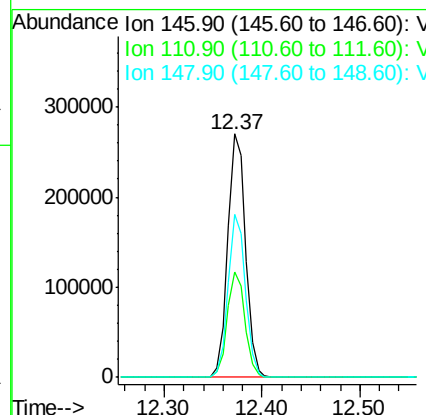
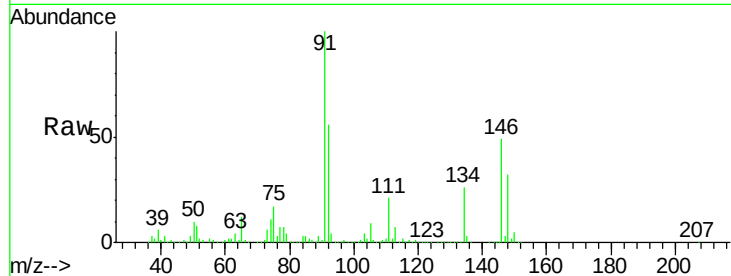
#91
 1,2-Dichlorobenzene
 Concen: 50.612 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.2	63.6
148	65.1	31.6	94.7

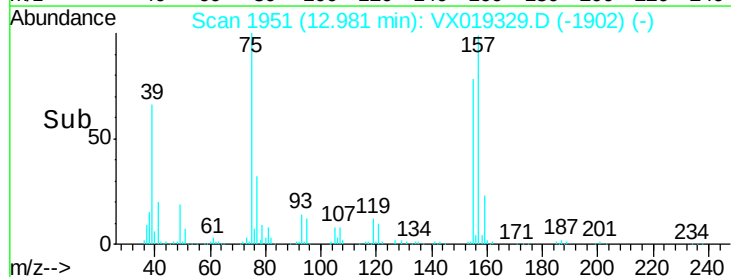
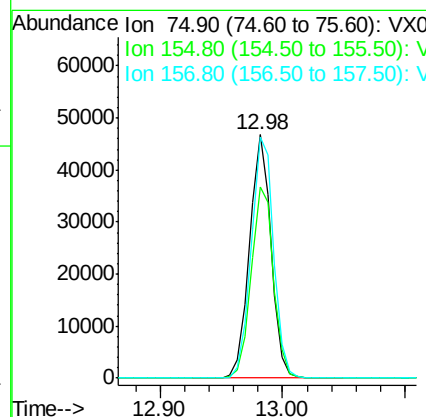
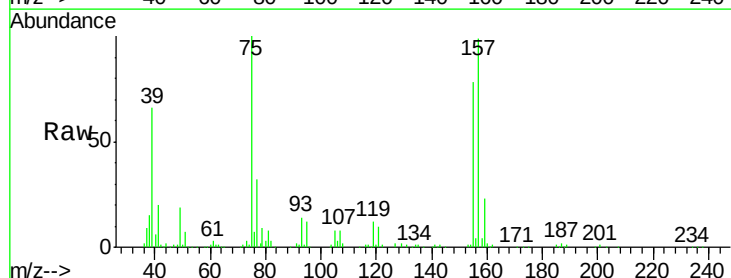
Manual Integrations
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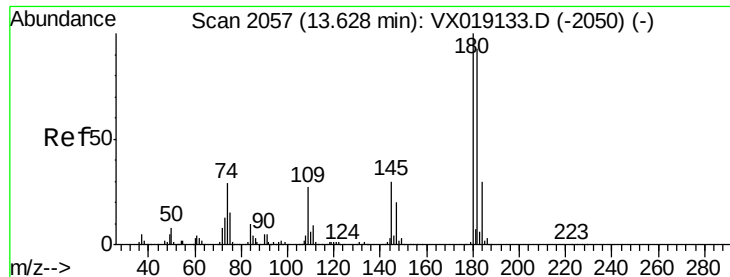
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.095 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	42.8	128.4
157	103.4	54.8	164.4





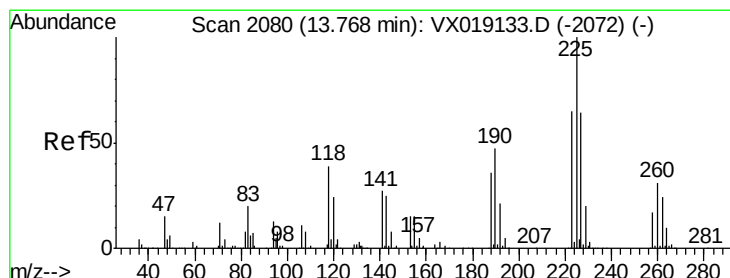
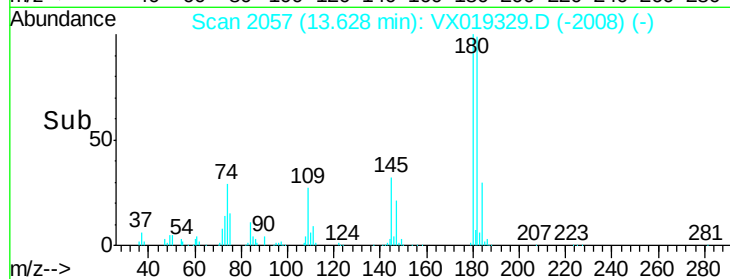
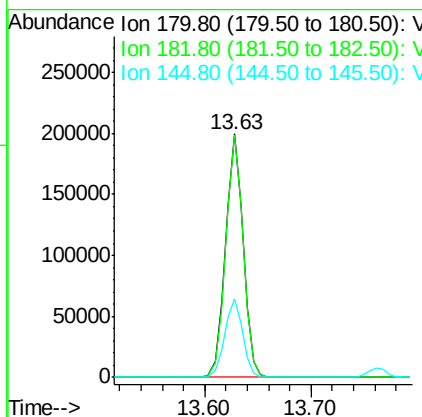
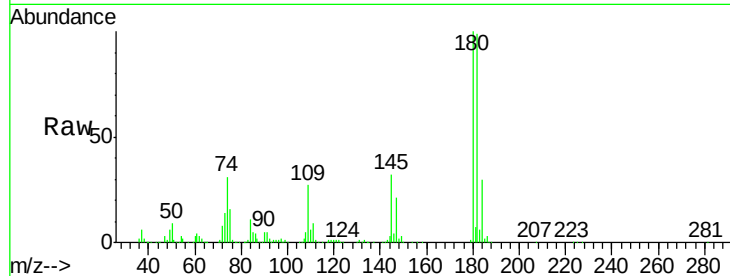
#93
 1,2,4-Trichlorobenzene
 Concen: 45.876 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	231985		
182	98.6	46.8	140.3	
145	32.7	15.5	46.5	

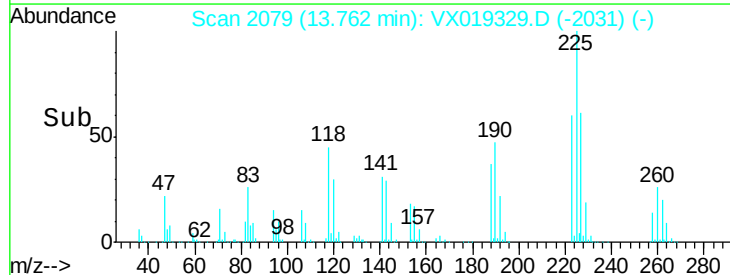
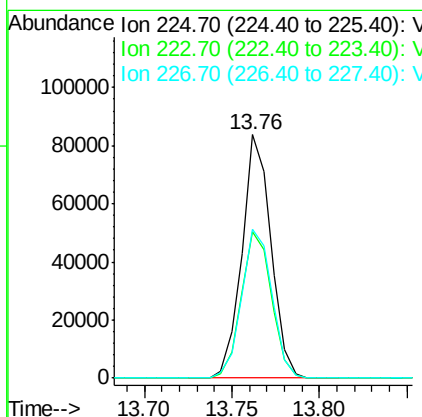
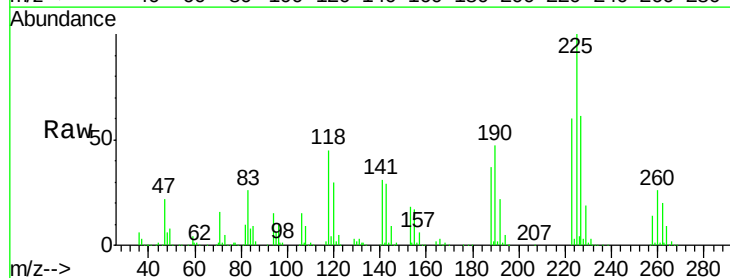
Manual Integrations
 APPROVED

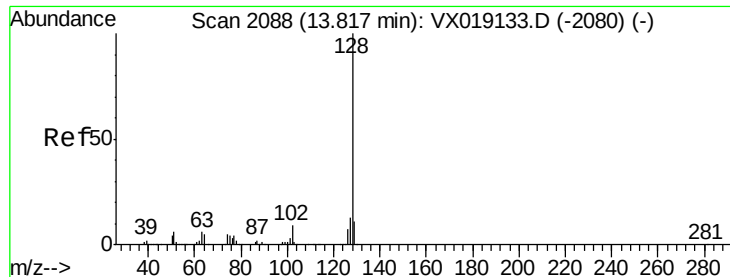
MMDadoda
 11/9/2020 9:37:09 AM



#94
 Hexachlorobutadiene
 Concen: 43.322 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX019329.D
 Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96434		
223	62.8	32.4	97.2	
227	63.9	31.6	94.7	





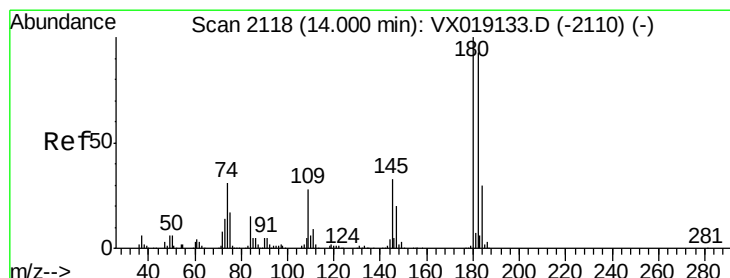
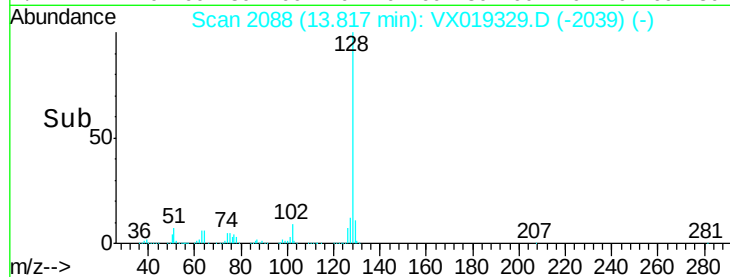
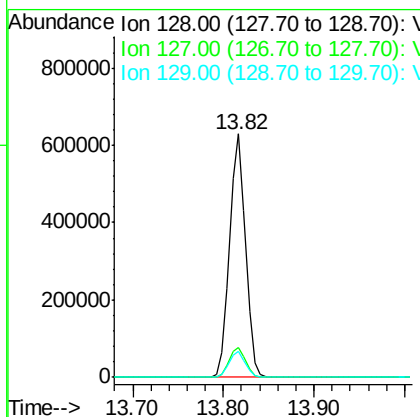
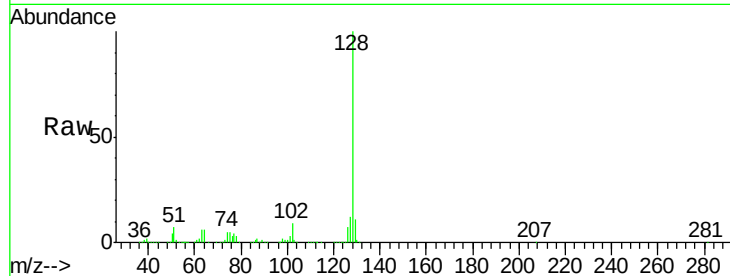
#95
Naphthalene
Concen: 48.152 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/9/2020 9:37:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.681 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019329.D
Acq: 06 Nov 2020 10:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.8	143.3
145	33.8	16.5	49.5

