

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033632.D
 Acq On : 06 Jan 2023 15:48
 Operator : JC/MD
 Sample : PB050057ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#09

Quant Time: Jan 07 04:25:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:43:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

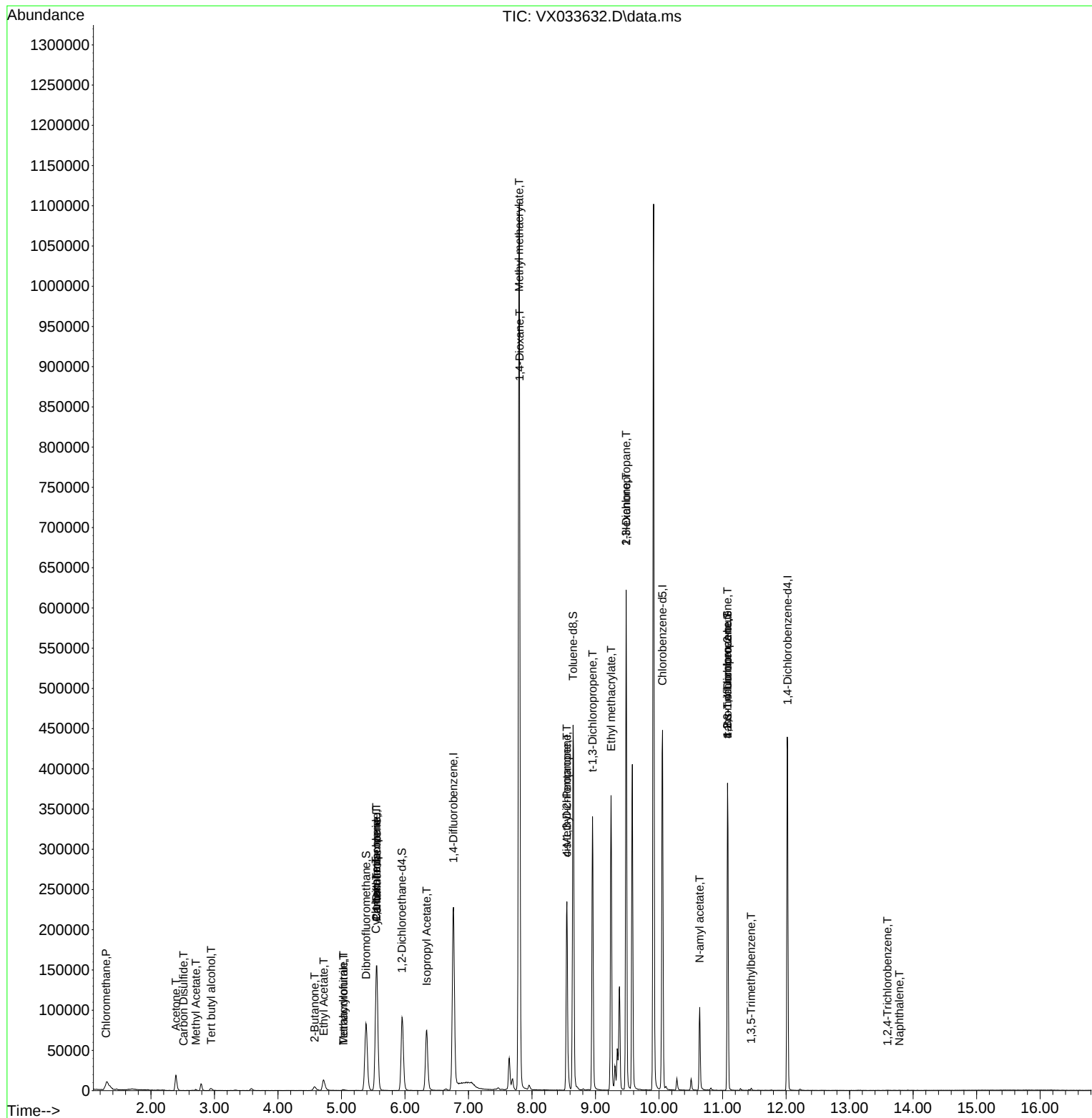
Internal Standards						
1) Pentafluorobenzene	5.556	168	159881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	231267	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88298	48.923	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.840%		
35) Dibromofluoromethane	5.385	113	71421	46.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.960%		
50) Toluene-d8	8.647	98	270146	49.721	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.440%		
62) 4-Bromofluorobenzene	11.079	95	95428	49.551	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.100%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	655	0.404	ug/l #	42
11) Tert butyl alcohol	2.946	59	1763	5.946	ug/l #	80
16) Acetone	2.392	43	24974	28.972	ug/l	100
17) Carbon Disulfide	2.514	76	119	1.656	ug/l #	74
18) Methyl Acetate	2.709	43	1609	0.643	ug/l	95
25) 2-Butanone	4.574	43	7238	6.142	ug/l	97
29) Tetrahydrofuran	5.031	42	1135	1.519	ug/l #	48
31) Cyclohexane	5.543	56	3047	1.213	ug/l #	16
36) 1,1-Dichloropropene	5.550	75	11037	5.360	ug/l #	50
37) Ethyl Acetate	4.720	43	25836	9.608	ug/l	99
38) Carbon Tetrachloride	5.550	117	14819	6.801	ug/l #	15
41) Methacrylonitrile	5.031	41	453	0.362	ug/l #	45
43) Isopropyl Acetate	6.342	43	105320	29.916	ug/l	99
48) Methyl methacrylate	7.799	41	94329	52.934	ug/l #	45
49) 1,4-Dioxane	7.805	88	137	3.614	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	86765	38.940	ug/l #	52
53) t-1,3-Dichloropropene	8.951	75	627	0.390	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37824	16.251	ug/l #	61
56) Ethyl methacrylate	9.244	69	671	0.290	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5197	1.960	ug/l #	42
59) 2-Hexanone	9.482	43	72209	43.869	ug/l #	51
74) N-amyl acetate	10.640	43	28104	9.921	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	46859	25.837	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.451	105	1175	0.204	ug/l	85
81) trans-1,4-Dichloro-2-b...	11.079	75	46859	78.419	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.597	180	42	1.612	ug/l #	23
95) Naphthalene	13.786	128	174	3.141	ug/l #	69

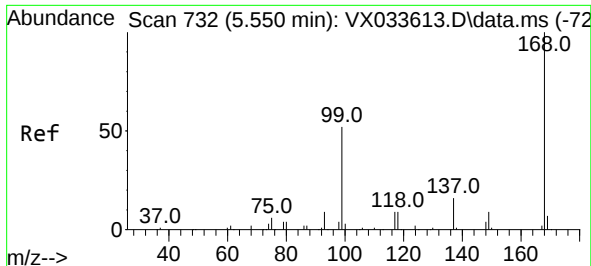
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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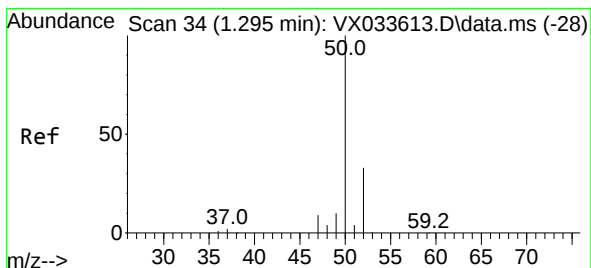
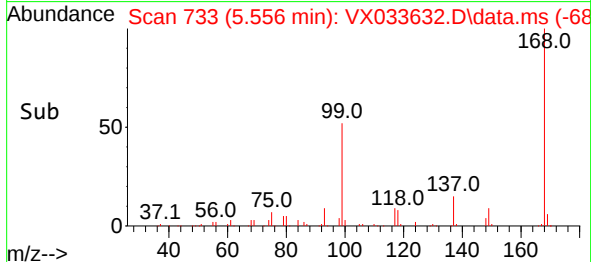
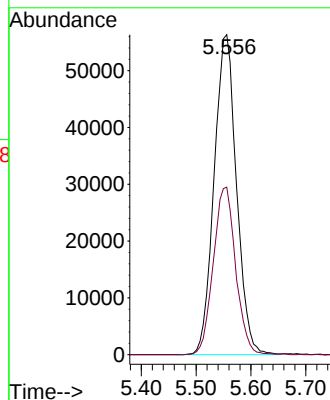
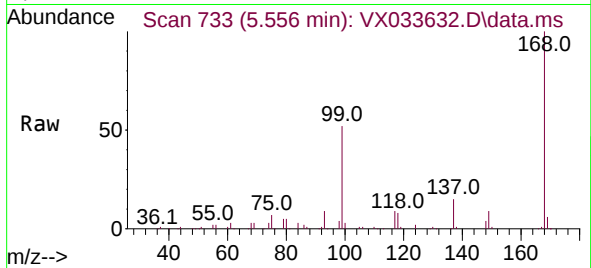




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

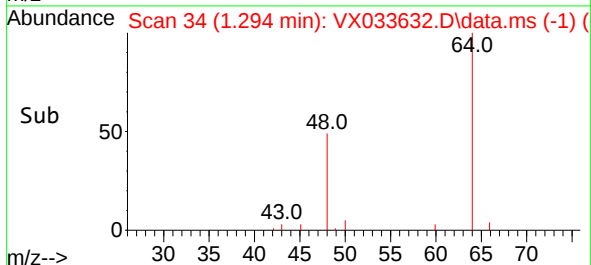
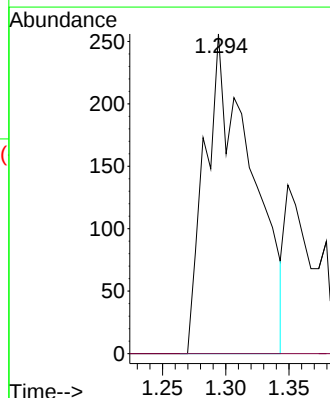
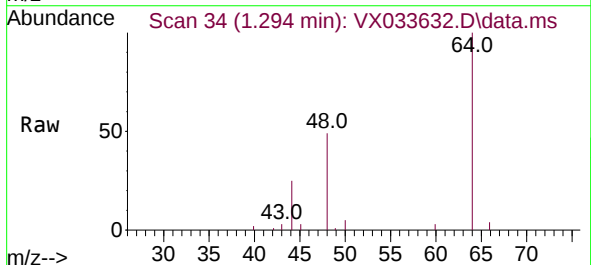
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#09

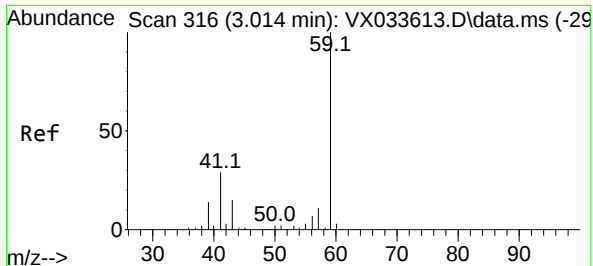
Tgt Ion:168 Resp: 159881
Ion Ratio Lower Upper
168 100
99 52.4 41.4 62.2



#3
Chloromethane
Concen: 0.404 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 50 Resp: 655
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#





#11

Tert butyl alcohol

Concen: 5.946 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.067 min

Lab File: VX033632.D

Acq: 06 Jan 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

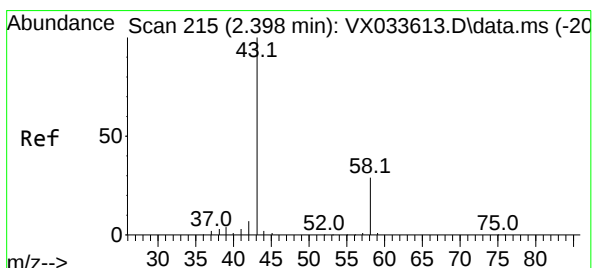
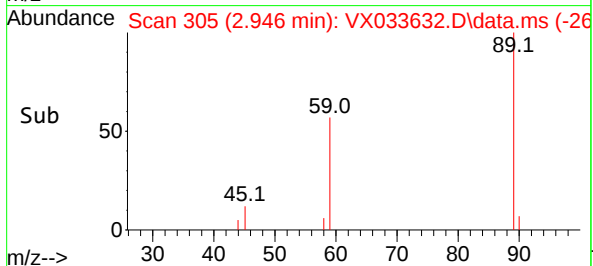
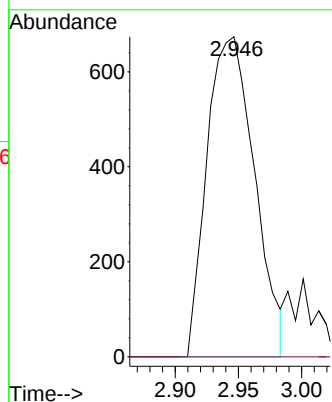
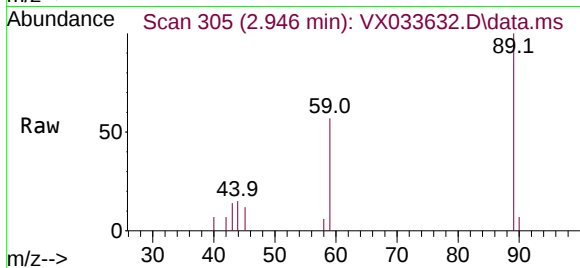
PB050057ZHE#09

Tgt Ion: 59 Resp: 1763

Ion Ratio Lower Upper

59 100

57 0.0 5.5 8.3#



#16

Acetone

Concen: 28.972 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX033632.D

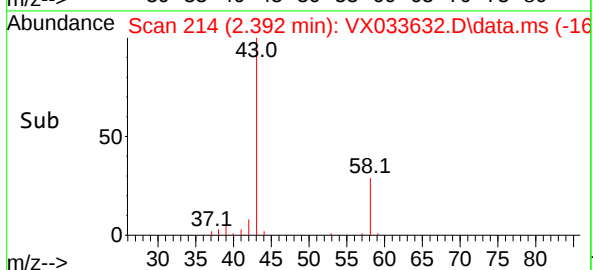
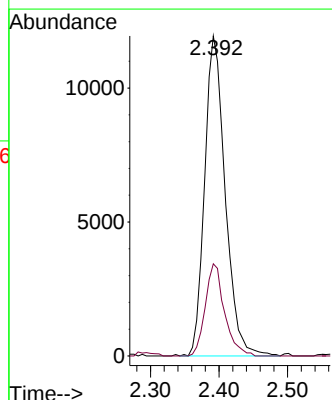
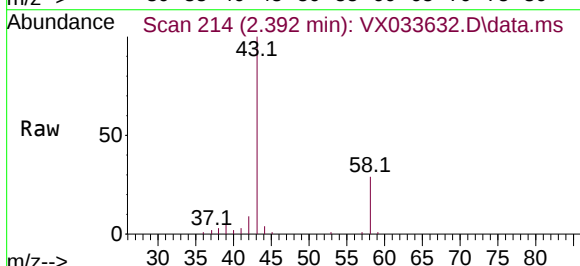
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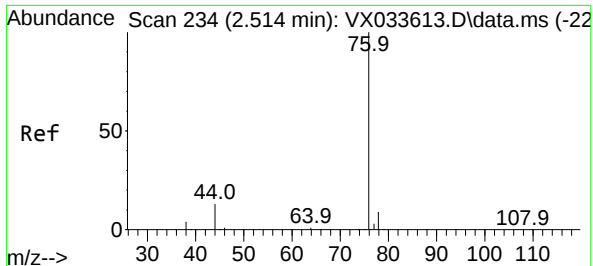
Tgt Ion: 43 Resp: 24974

Ion Ratio Lower Upper

43 100

58 28.8 22.9 34.3

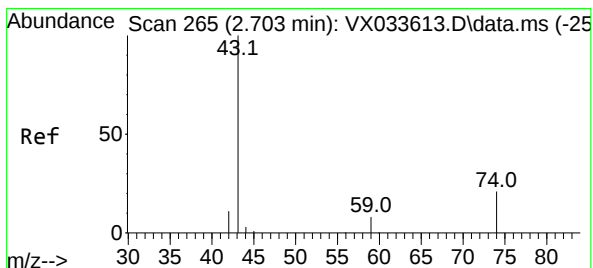
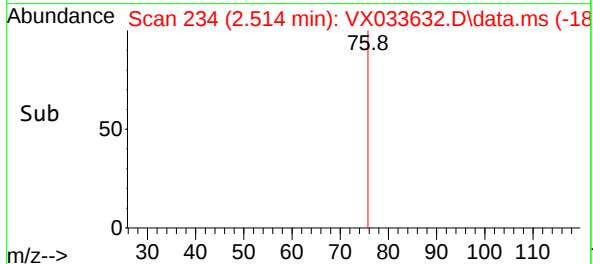
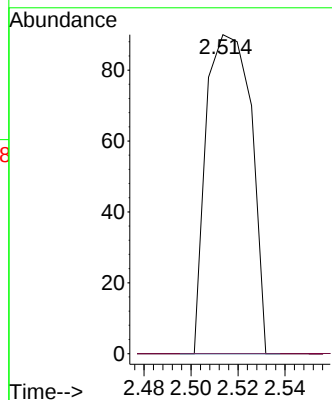
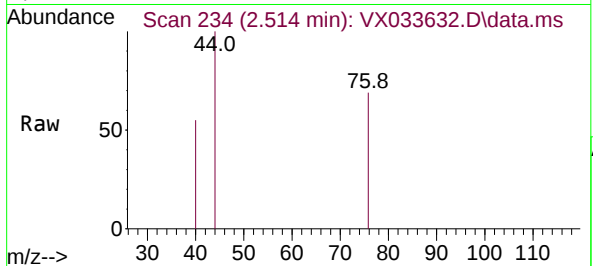




#17
Carbon Disulfide
Concen: 1.656 ug/l
RT: 2.514 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

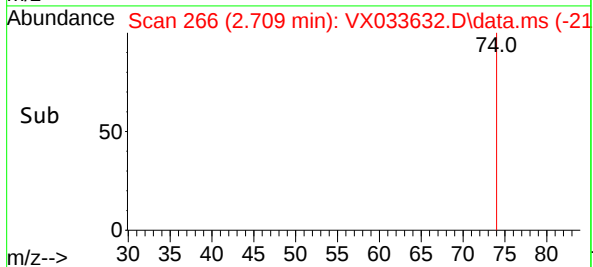
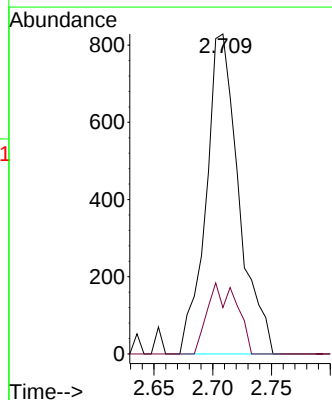
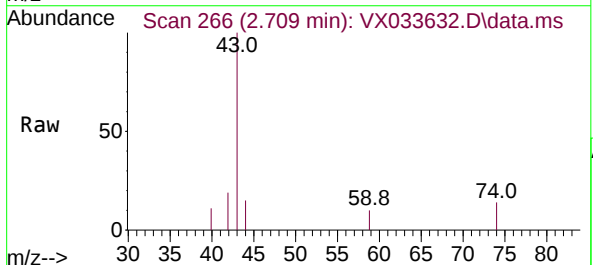
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#09

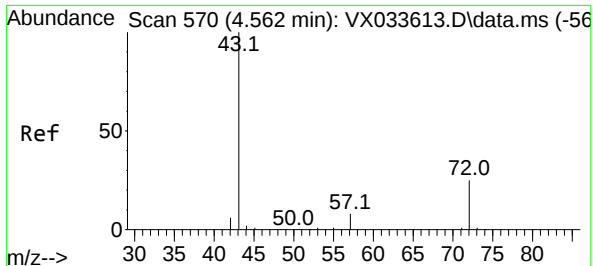
Tgt Ion: 76 Resp: 119
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 0.643 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
74 19.8 17.9 26.9

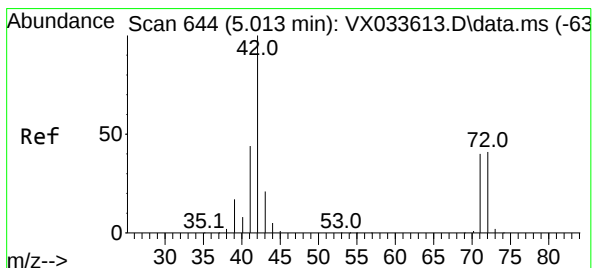
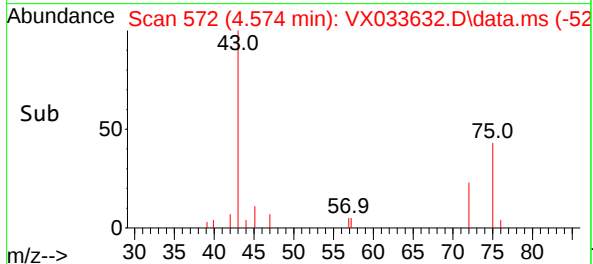
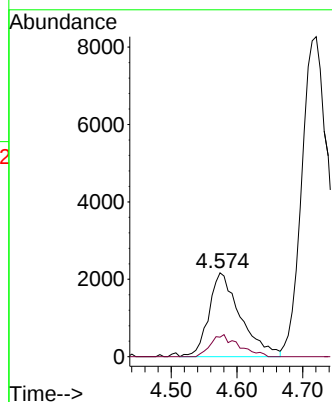
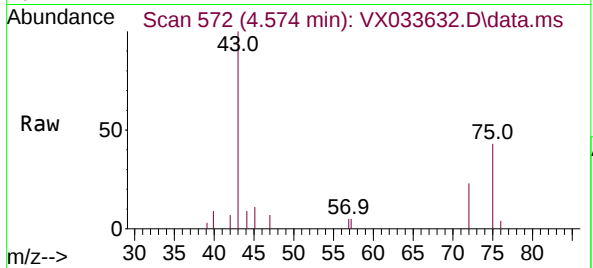




#25
2-Butanone
Concen: 6.142 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

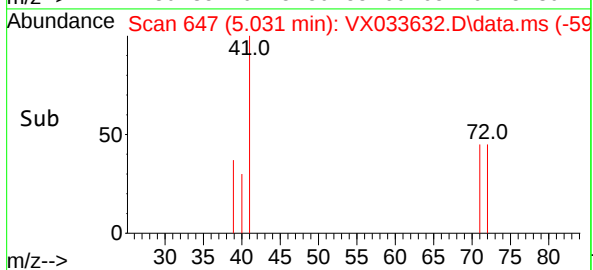
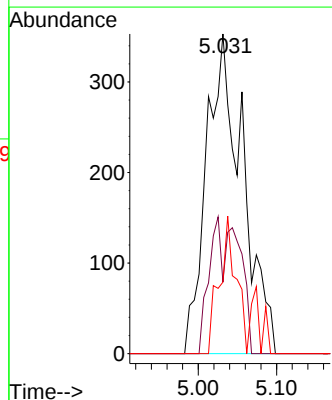
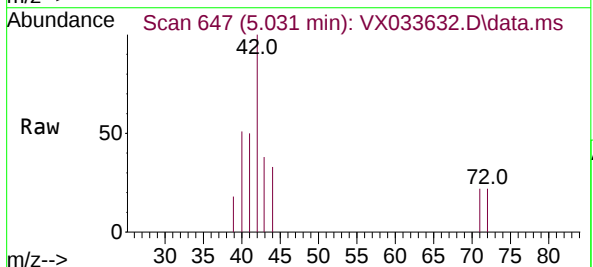
Instrument :
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ClientSampleId :
PB050057ZHE#09

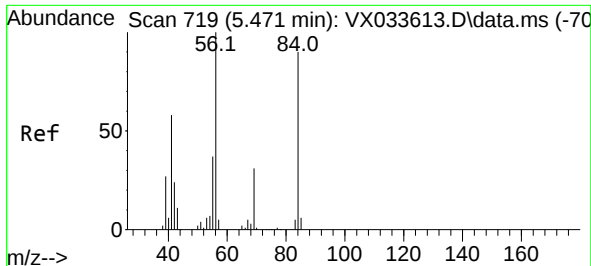
Tgt Ion: 43 Resp: 7238
Ion Ratio Lower Upper
43 100
72 23.4 19.8 29.6



#29
Tetrahydrofuran
Concen: 1.519 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

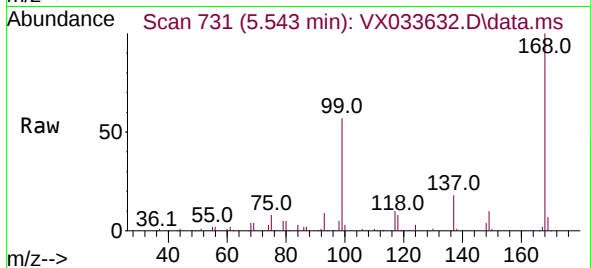
Tgt Ion: 42 Resp: 1135
Ion Ratio Lower Upper
42 100
72 16.1 34.2 51.4#
71 0.0 31.4 47.0#



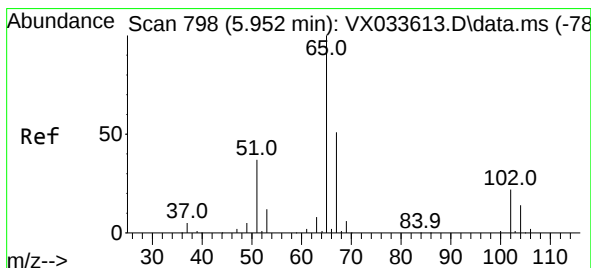
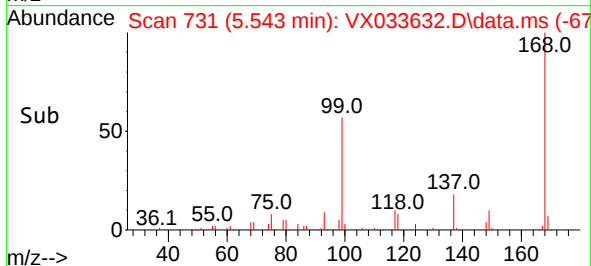
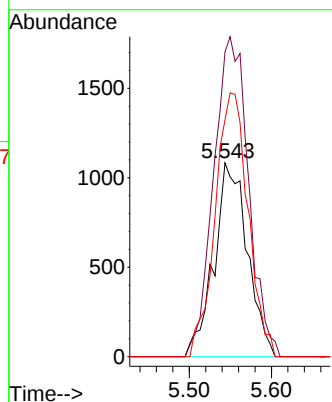


#31
Cyclohexane
Concen: 1.213 ug/l
RT: 5.543 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#09

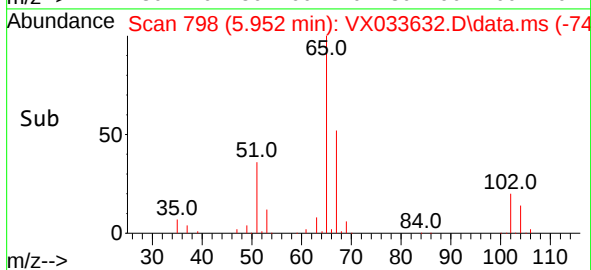
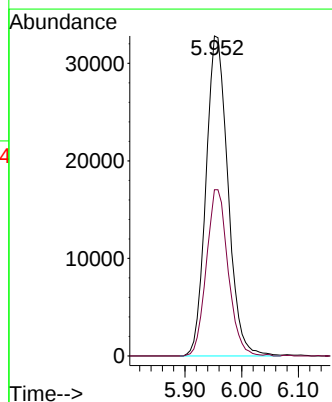
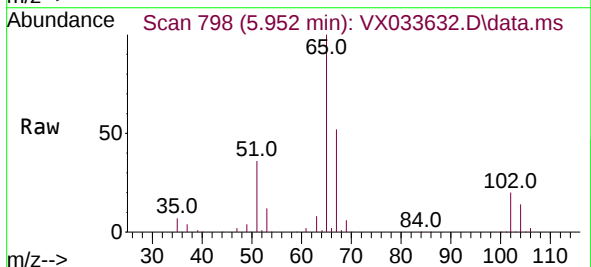


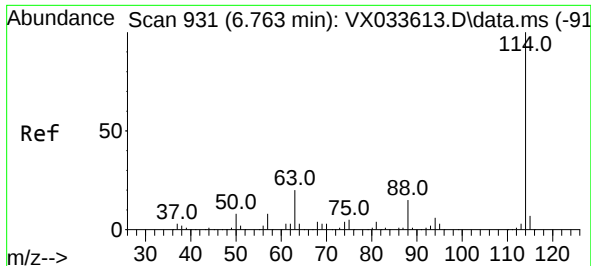
Tgt Ion: 56 Resp: 3047
Ion Ratio Lower Upper
56 100
69 157.3 24.6 36.8#
84 122.3 72.2 108.2#



#33
1,2-Dichloroethane-d4
Concen: 48.923 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 65 Resp: 88298
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.8

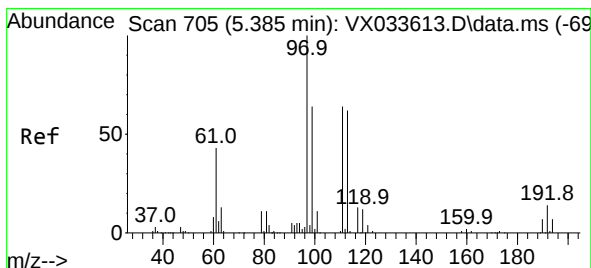
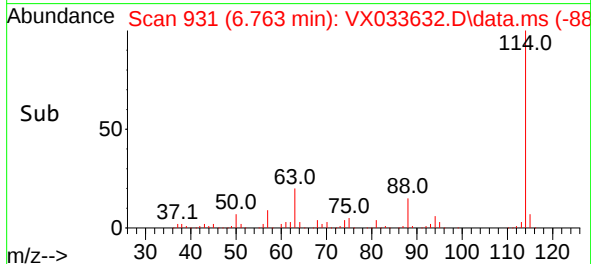
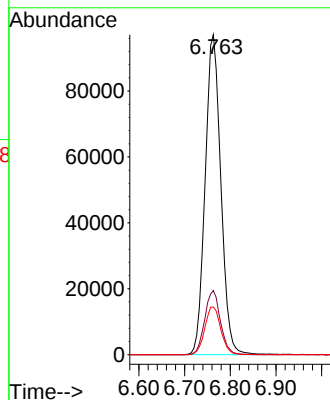
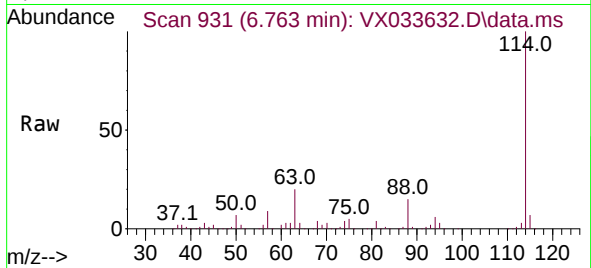




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

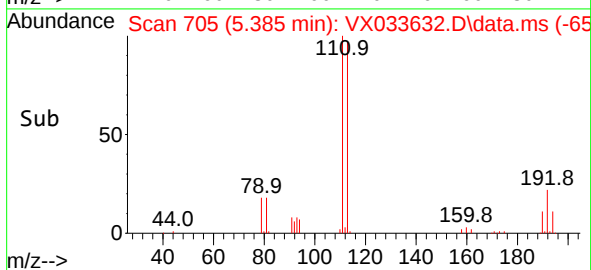
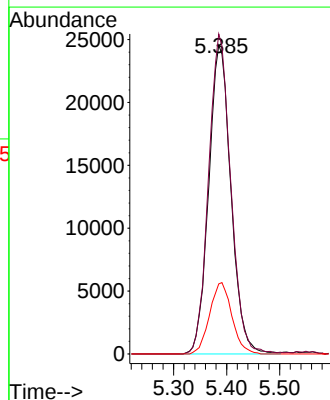
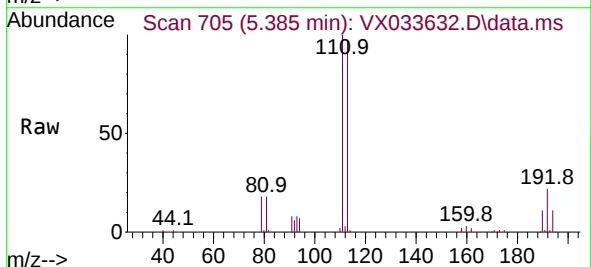
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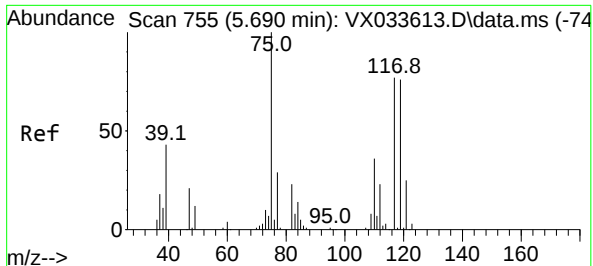
Tgt Ion:114 Resp: 231267
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.0
88 14.9 0.0 29.6



#35
Dibromofluoromethane
Concen: 46.985 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Tgt Ion:113 Resp: 71421
Ion Ratio Lower Upper
113 100
111 103.3 81.2 121.8
192 23.1 18.2 27.2





#36

1,1-Dichloropropene

Concen: 5.360 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.141 min

Lab File: VX033632.D

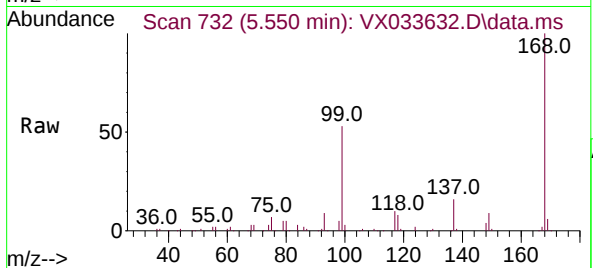
Acq: 06 Jan 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#09



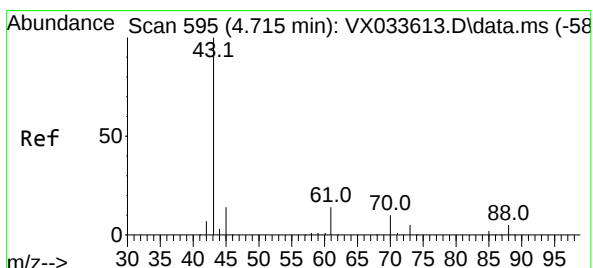
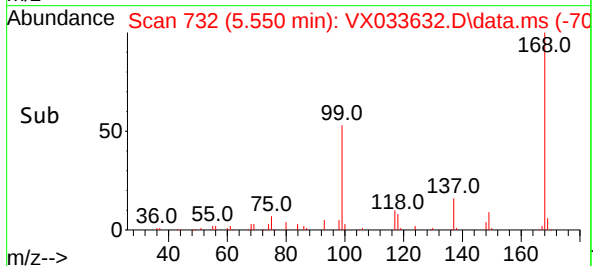
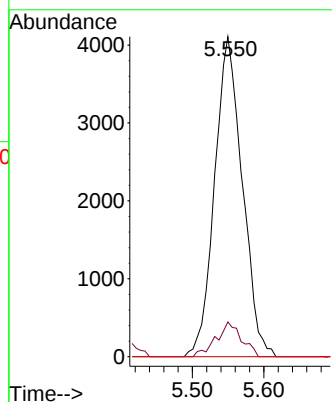
Tgt Ion: 75 Resp: 11037

Ion Ratio Lower Upper

75 100

110 9.9 18.0 54.0#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 9.608 ug/l

RT: 4.720 min Scan# 596

Delta R.T. 0.005 min

Lab File: VX033632.D

Acq: 06 Jan 2023 15:48

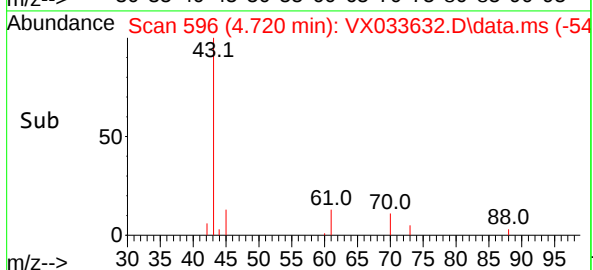
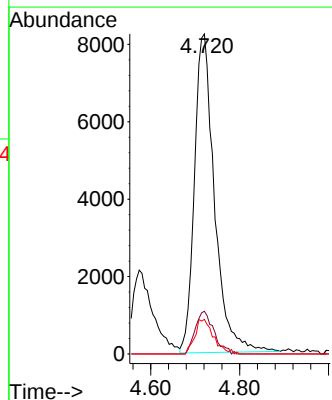
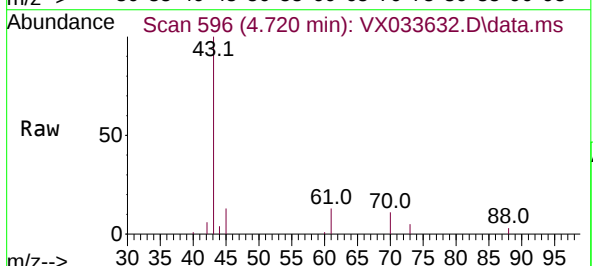
Tgt Ion: 43 Resp: 25836

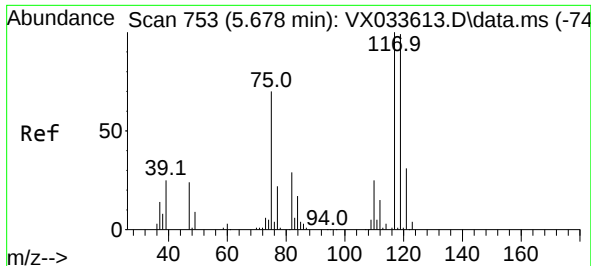
Ion Ratio Lower Upper

43 100

61 12.5 10.6 16.0

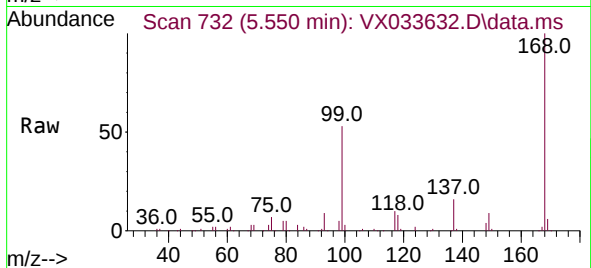
70 10.1 8.1 12.1



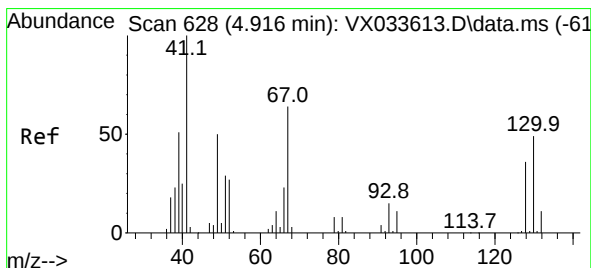
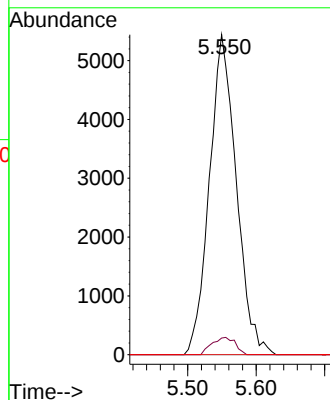
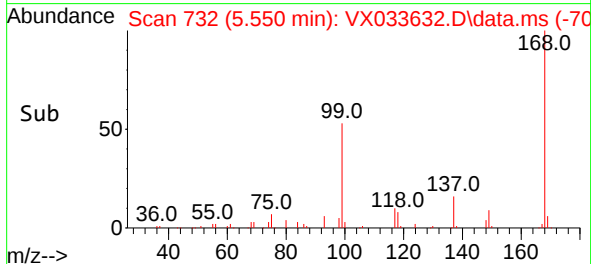


#38
Carbon Tetrachloride
Concen: 6.801 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#09

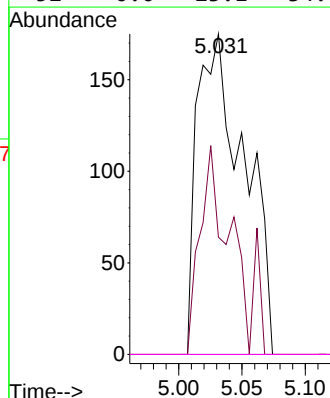
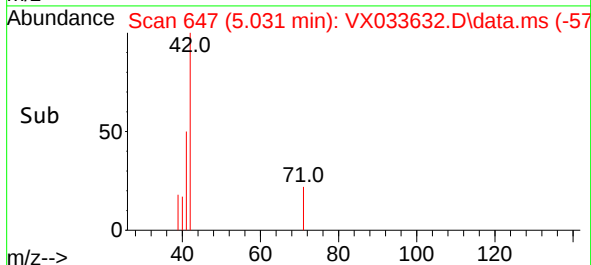
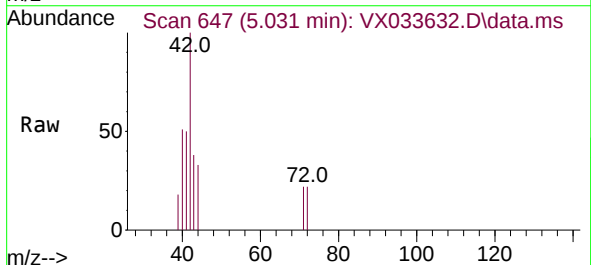


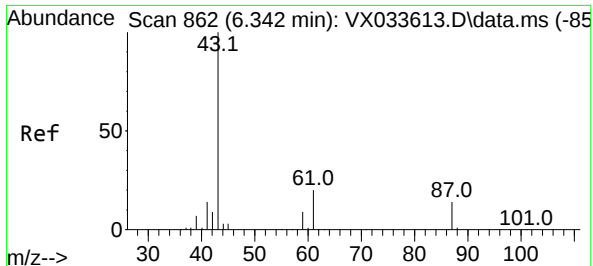
Tgt Ion:117 Resp: 14819
Ion Ratio Lower Upper
117 100
119 5.2 78.8 118.2#
121 0.0 24.9 37.3#



#41
Methacrylonitrile
Concen: 0.362 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 41 Resp: 453
Ion Ratio Lower Upper
41 100
39 40.0 44.1 66.1#
67 0.0 53.8 80.6#
52 0.0 23.1 34.7#

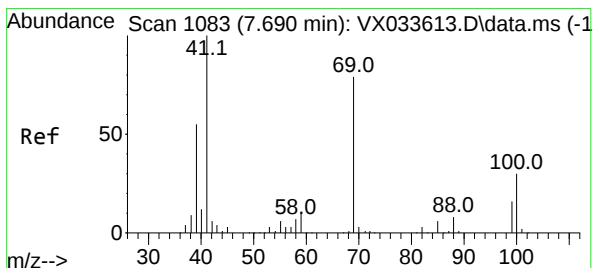
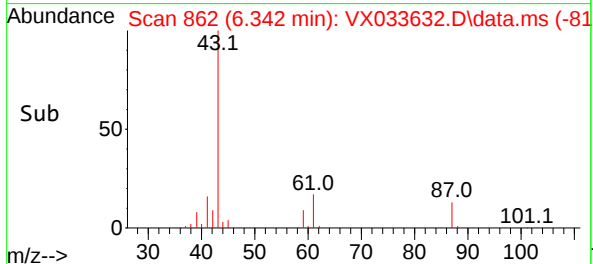
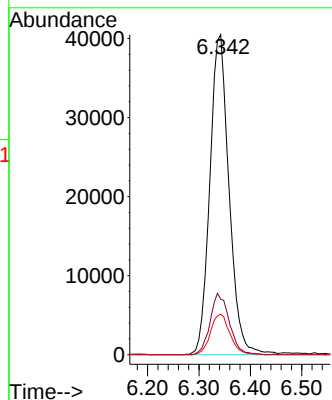
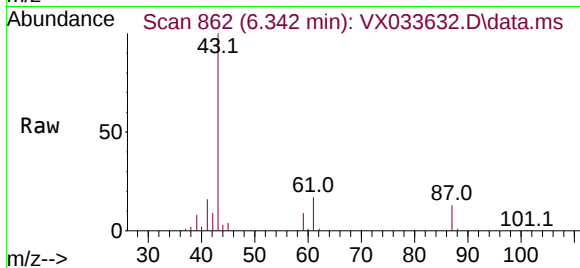




#43
Isopropyl Acetate
Concen: 29.916 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

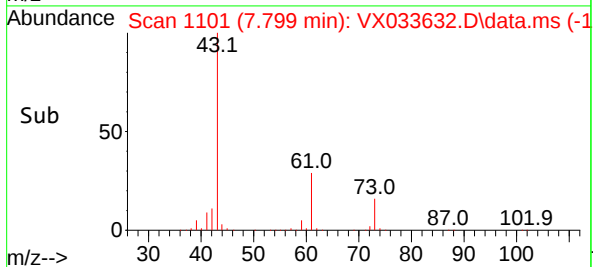
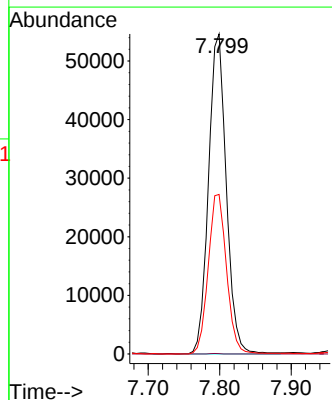
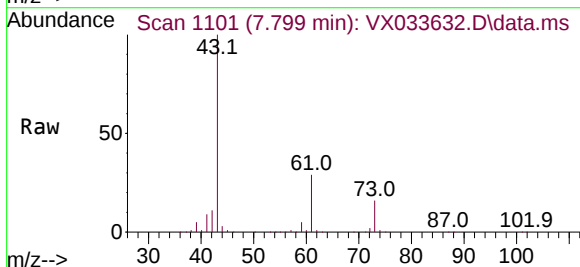
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#09

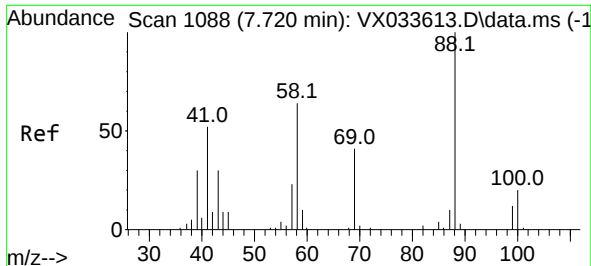
Tgt Ion: 43 Resp: 105320
Ion Ratio Lower Upper
43 100
61 19.1 15.2 22.8
87 12.8 10.6 16.0



#48
Methyl methacrylate
Concen: 52.934 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 41 Resp: 94329
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 51.4 44.8 67.2

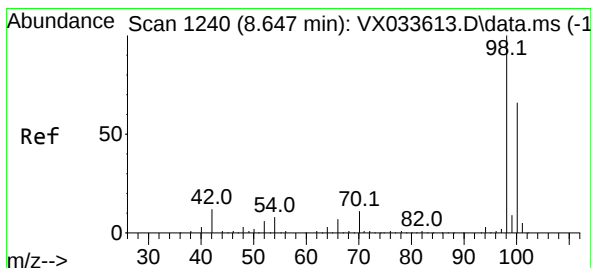
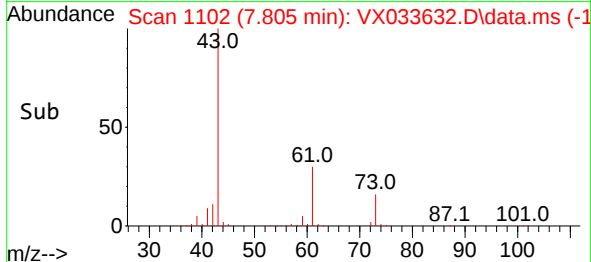
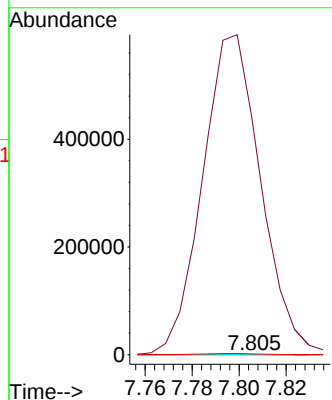
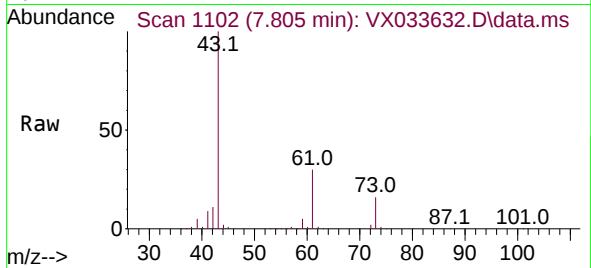




#49
1,4-Dioxane
Concen: 3.614 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.085 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

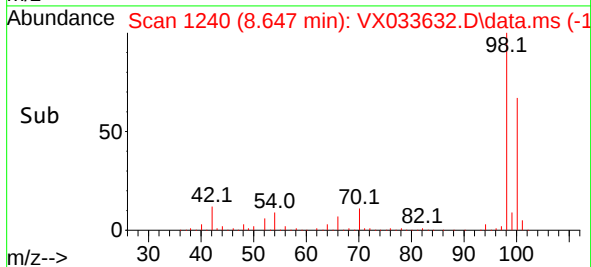
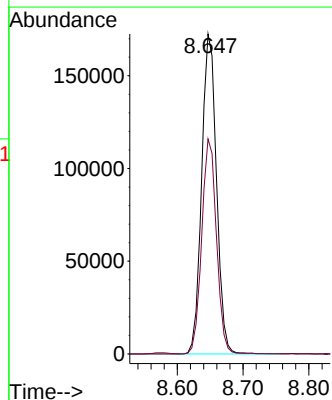
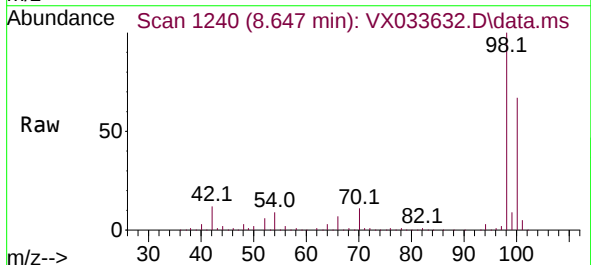
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#09

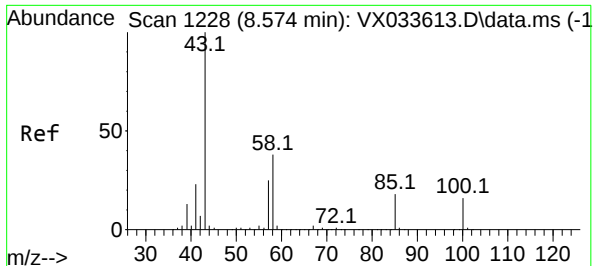
Tgt Ion: 88 Resp: 137
Ion Ratio Lower Upper
88 100
43 754065.0 24.1 36.1#
58 2818.2 57.1 85.7#



#50
Toluene-d8
Concen: 49.721 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 98 Resp: 270146
Ion Ratio Lower Upper
98 100
100 67.0 53.6 80.4

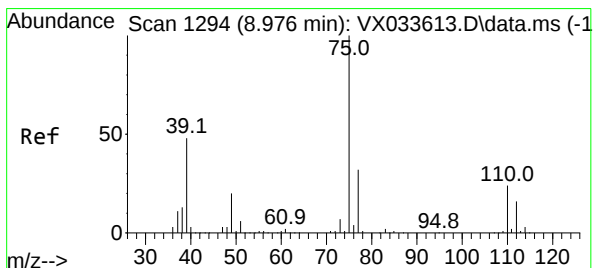
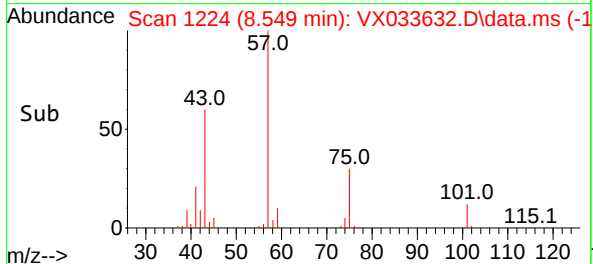
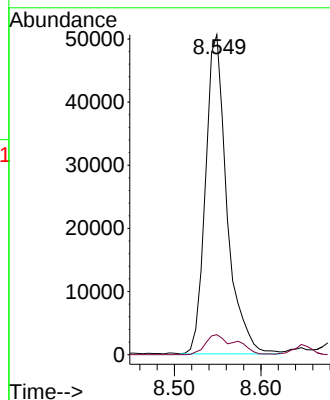
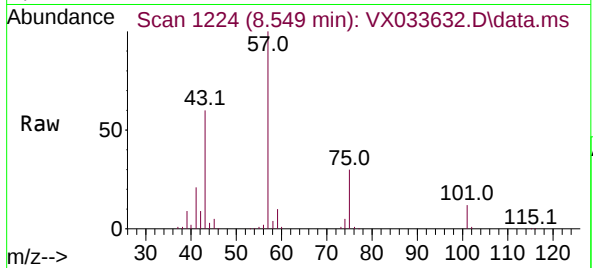




#51
4-Methyl-2-Pentanone
Concen: 38.940 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

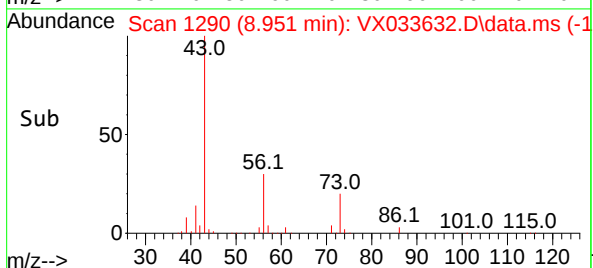
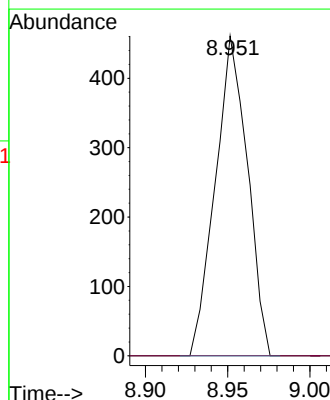
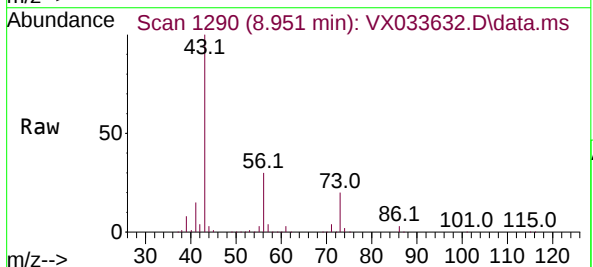
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#09

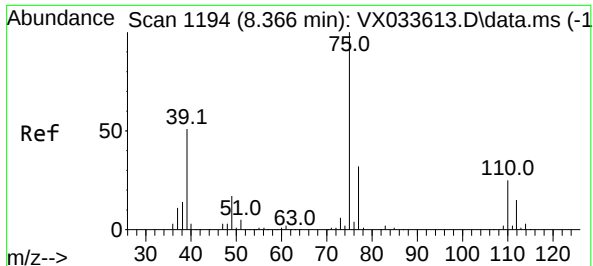
Tgt Ion: 43 Resp: 86765
Ion Ratio Lower Upper
43 100
58 8.9 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 0.390 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 75 Resp: 627
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#

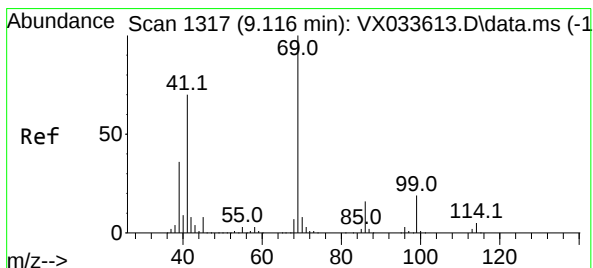
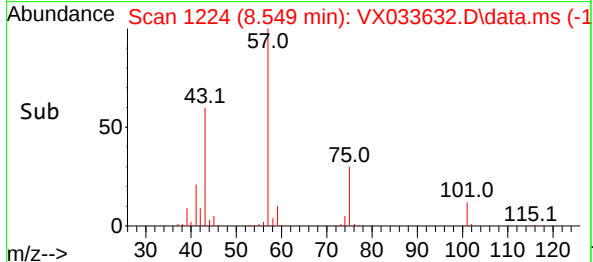
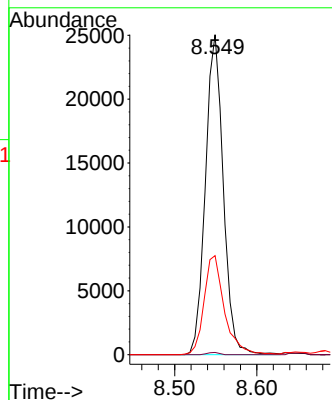
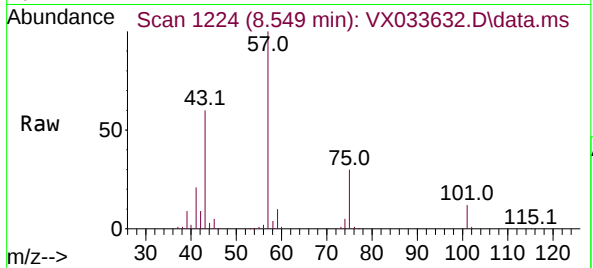




#54
 cis-1,3-Dichloropropene
 Concen: 16.251 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033632.D
 Acq: 06 Jan 2023 15:48

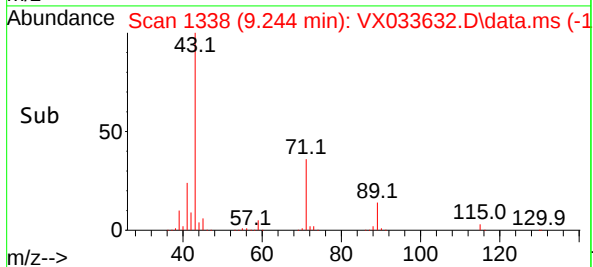
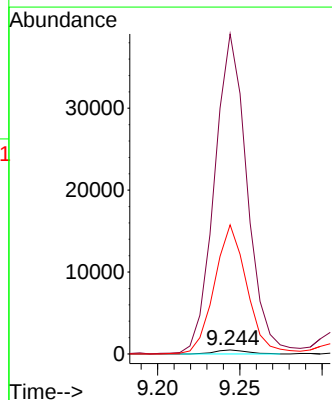
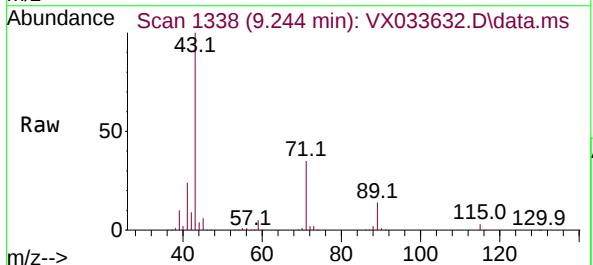
Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#09

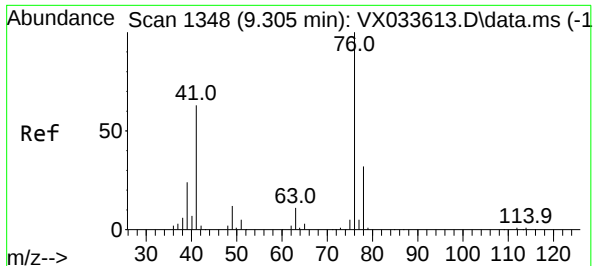
Tgt Ion: 75 Resp: 37824
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.5 38.3#
 39 30.9 40.6 61.0#



#56
 Ethyl methacrylate
 Concen: 0.290 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033632.D
 Acq: 06 Jan 2023 15:48

Tgt Ion: 69 Resp: 671
 Ion Ratio Lower Upper
 69 100
 41 8118.0 56.6 84.8#
 39 3246.8 29.4 44.0#





#57

1,3-Dichloropropane

Concen: 1.960 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.176 min

Lab File: VX033632.D

Acq: 06 Jan 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

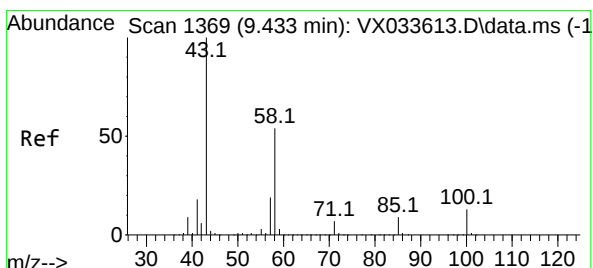
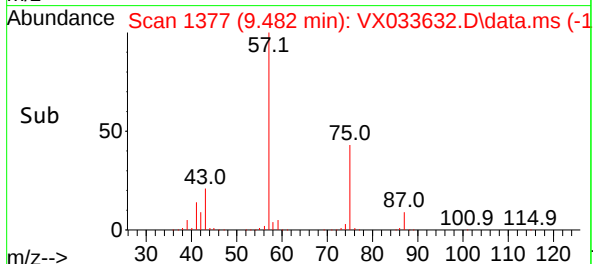
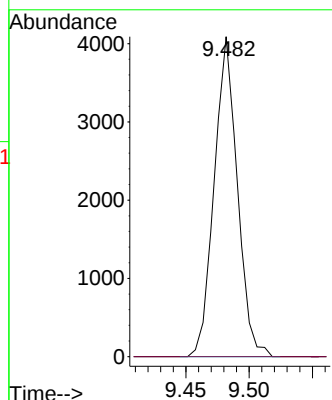
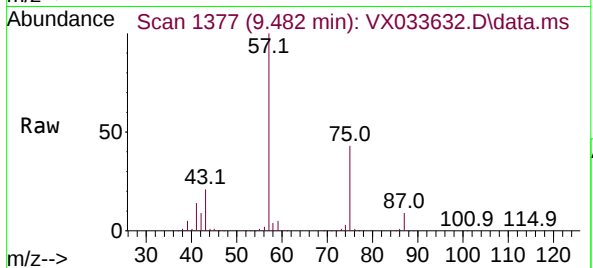
PB050057ZHE#09

Tgt Ion: 76 Resp: 5197

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 43.869 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.048 min

Lab File: VX033632.D

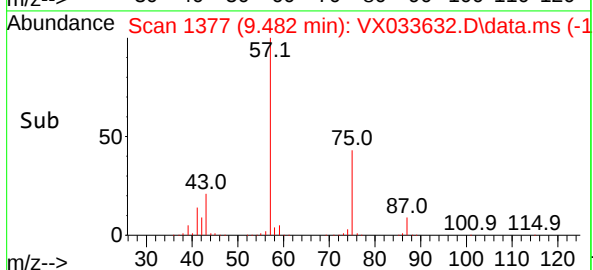
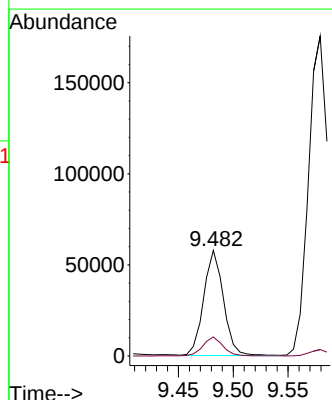
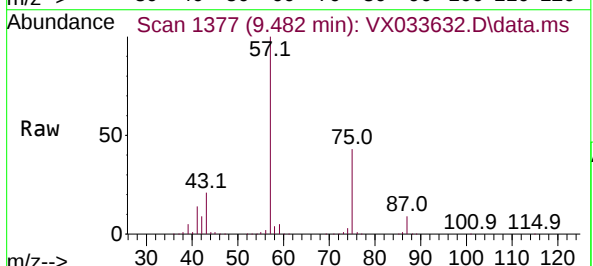
Acq: 06 Jan 2023 15:48

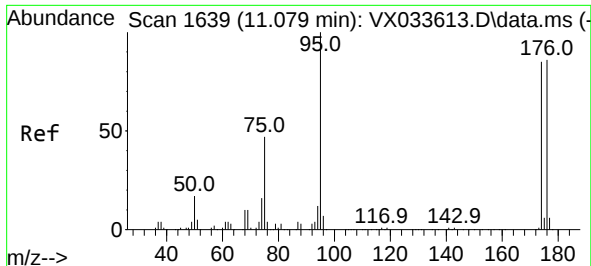
Tgt Ion: 43 Resp: 72209

Ion Ratio Lower Upper

43 100

58 18.5 26.6 79.8#

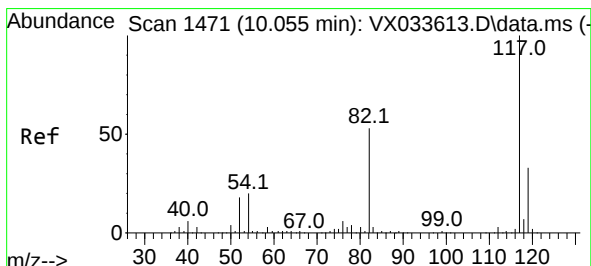
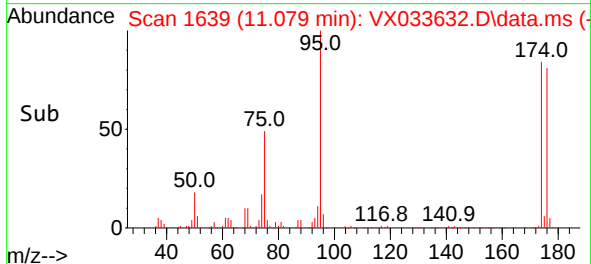
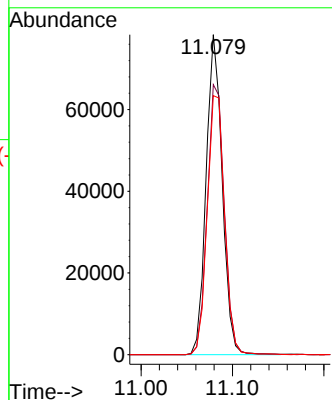
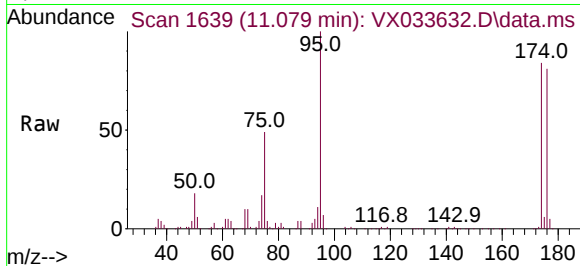




#62
4-Bromofluorobenzene
Concen: 49.551 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

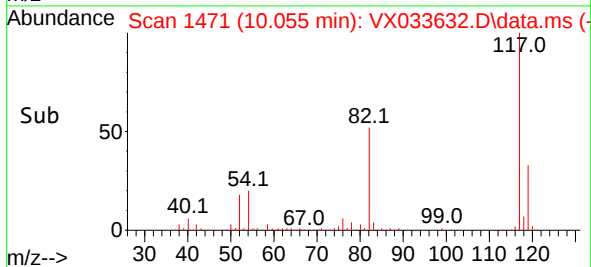
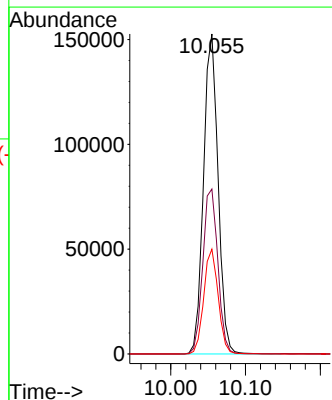
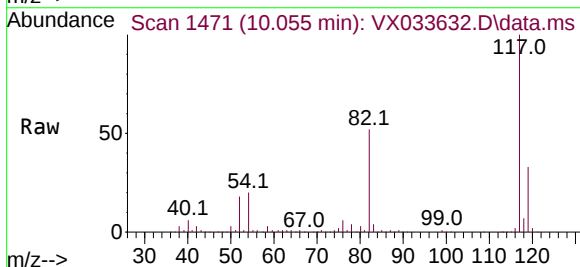
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#09

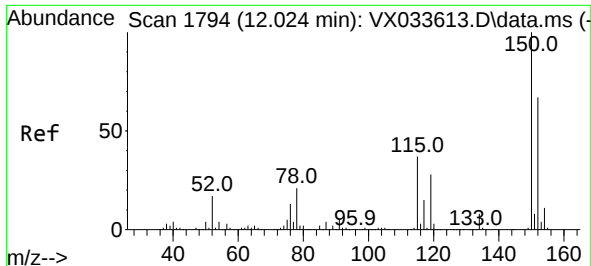
Tgt Ion: 95 Resp: 95428
Ion Ratio Lower Upper
95 100
174 90.0 0.0 180.4
176 87.4 0.0 176.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 117 Resp: 206666
Ion Ratio Lower Upper
117 100
82 51.6 42.2 63.2
119 32.8 26.2 39.4

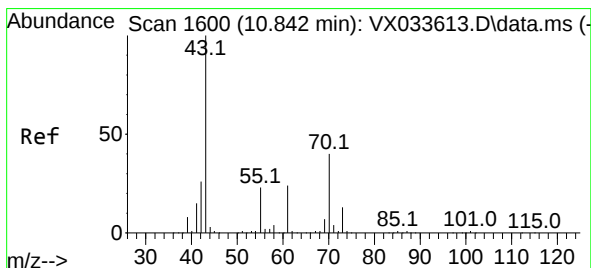
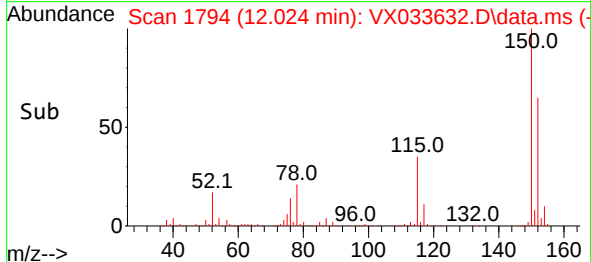
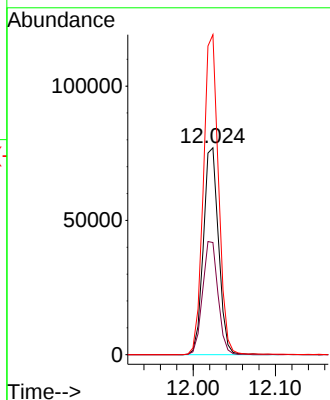
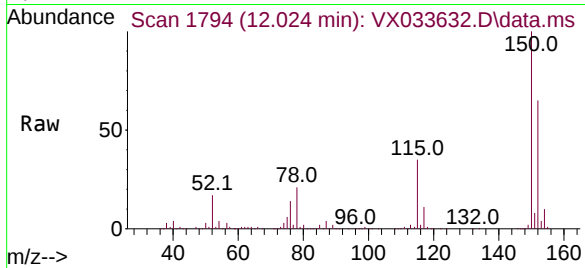




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033632.D
 Acq: 06 Jan 2023 15:48

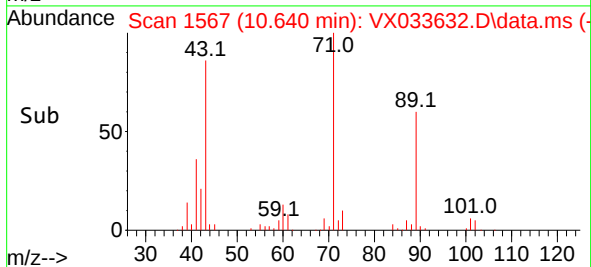
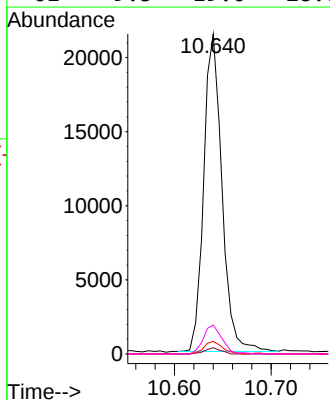
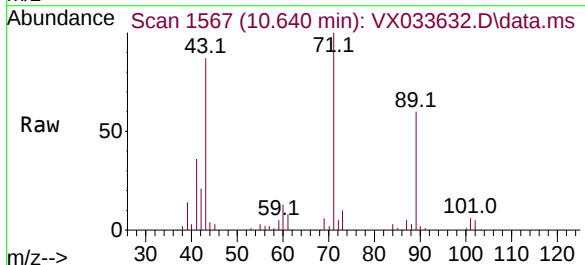
Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#09

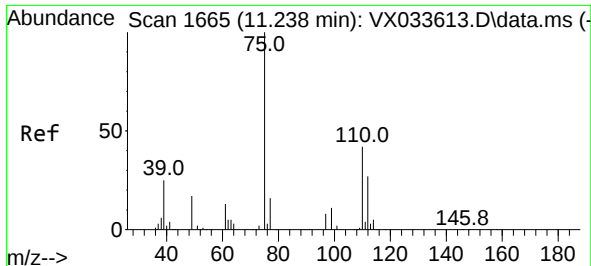
Tgt Ion:152 Resp: 98996
 Ion Ratio Lower Upper
 152 100
 115 55.5 38.5 115.5
 150 154.4 0.0 340.4



#74
 N-ethyl acetate
 Concen: 9.921 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.202 min
 Lab File: VX033632.D
 Acq: 06 Jan 2023 15:48

Tgt Ion: 43 Resp: 28104
 Ion Ratio Lower Upper
 43 100
 70 1.7 33.4 50.0#
 55 4.0 18.6 27.8#
 61 9.3 19.0 28.6#

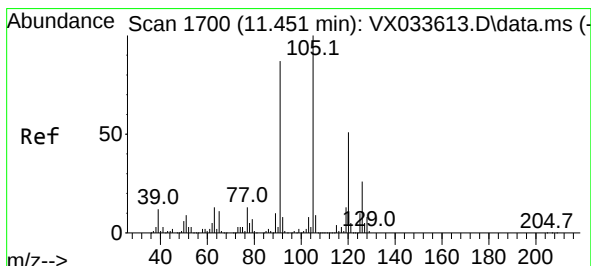
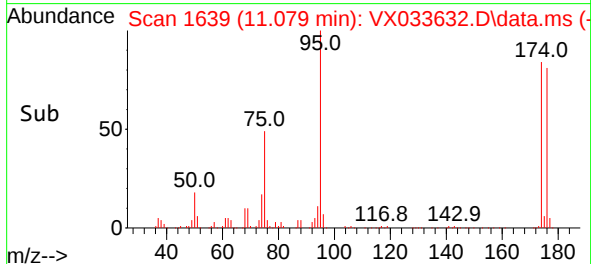
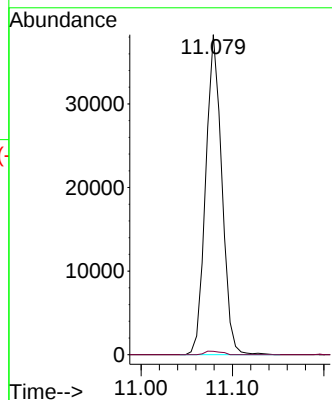
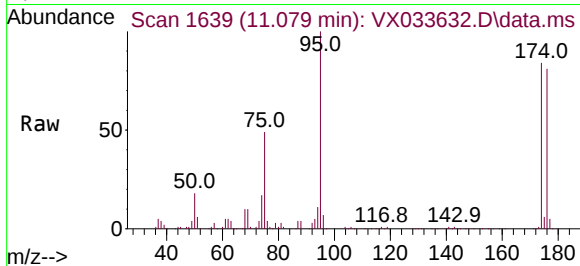




#76
1,2,3-Trichloropropane
Concen: 25.837 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

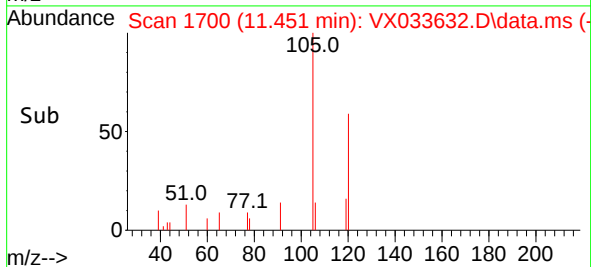
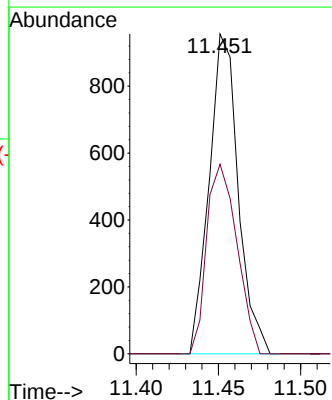
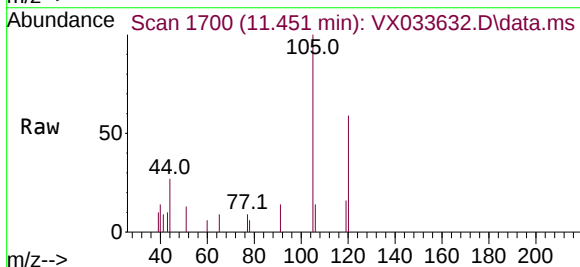
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#09

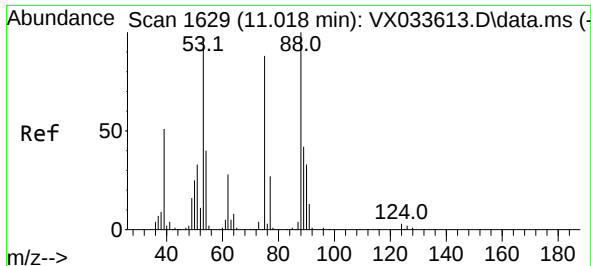
Tgt Ion: 75 Resp: 46859
Ion Ratio Lower Upper
75 100
77 1.2 21.3 63.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.204 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 105 Resp: 1175
Ion Ratio Lower Upper
105 100
120 61.5 25.5 76.5

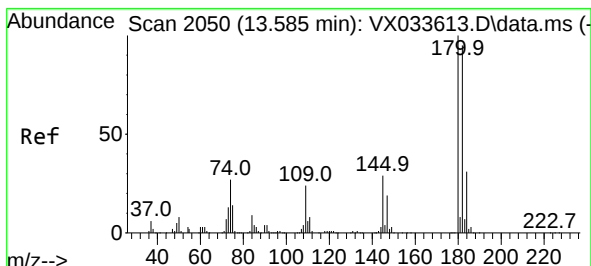
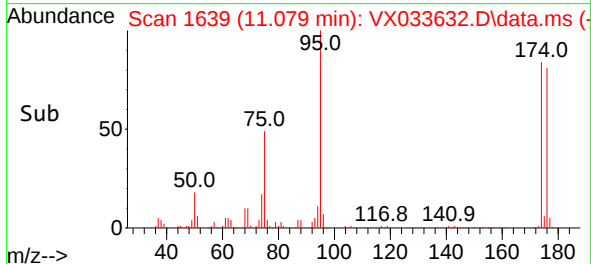
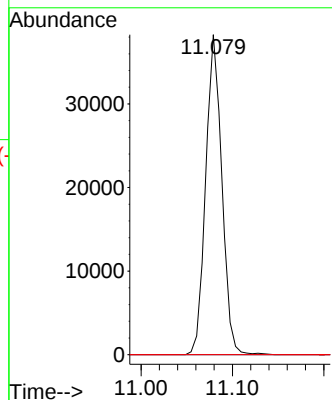
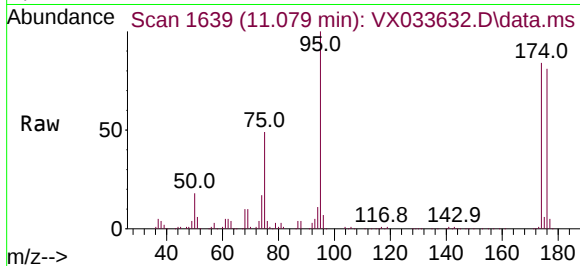




#81
trans-1,4-Dichloro-2-butene
Concen: 78.419 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

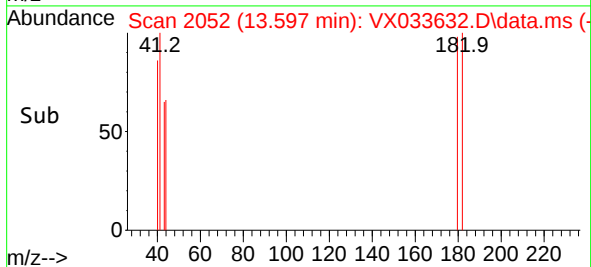
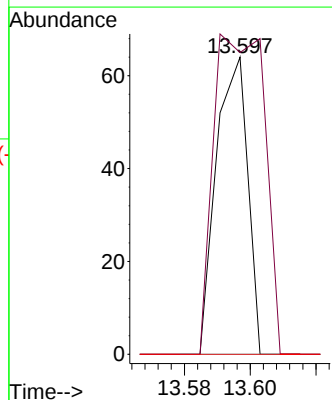
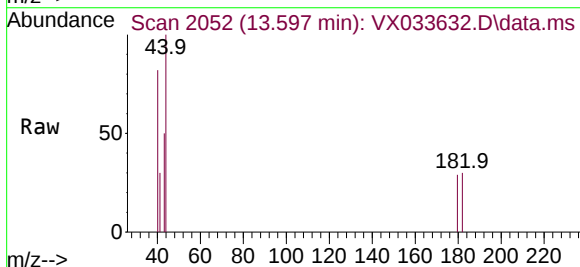
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#09

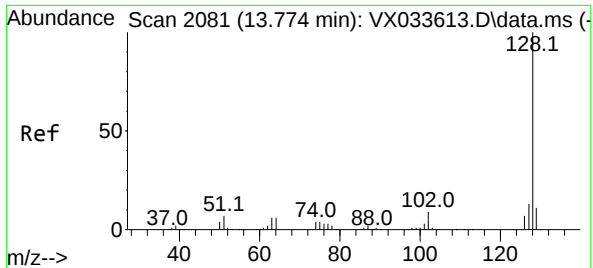
Tgt Ion: 75 Resp: 46859
Ion Ratio Lower Upper
75 100
53 0.0 86.4 129.6#
89 0.0 37.4 56.2#



#93
1,2,4-Trichlorobenzene
Concen: 1.612 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

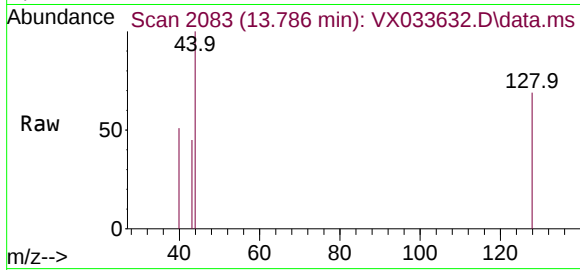
Tgt Ion:180 Resp: 42
Ion Ratio Lower Upper
180 100
182 176.2 47.4 142.2#
145 0.0 14.1 42.2#





#95
Naphthalene
Concen: 3.141 ug/l
RT: 13.786 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX033632.D
Acq: 06 Jan 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#09



Tgt Ion:128 Resp: 174
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 9.0 13.4#

