

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX030002.D
 Acq On : 11 Jul 2022 17:07
 Operator : JC/MD
 Sample : PB146125ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB146125ZHE#07

Quant Time: Jul 12 02:04:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

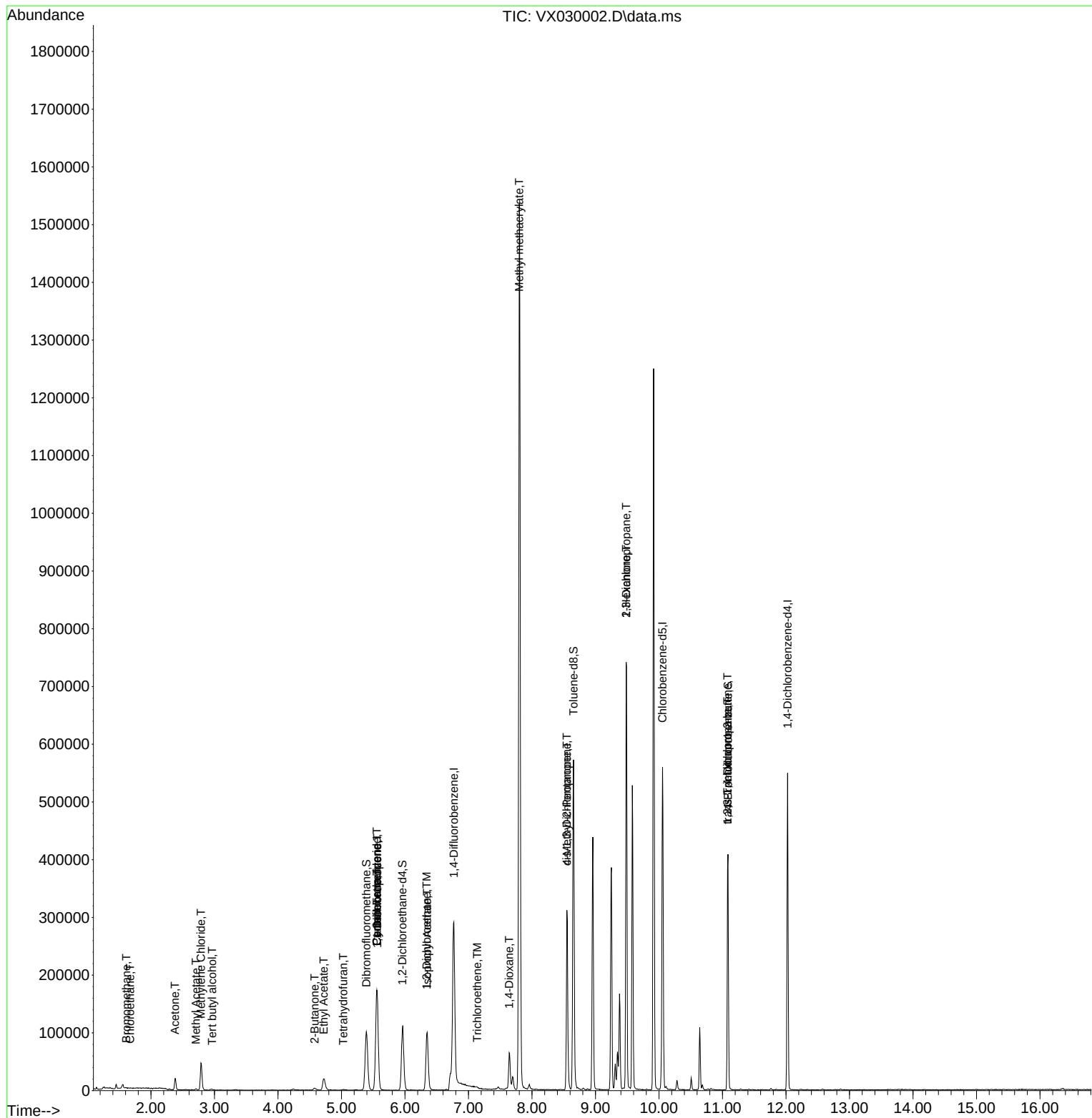
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	178216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	303164	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95630	42.391	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.780%
35) Dibromofluoromethane	5.391	113	90770	47.909	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.820%
50) Toluene-d8	8.653	98	343275	48.297	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.600%
62) 4-Bromofluorobenzene	11.085	95	114489	45.569	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.140%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	289	0.263	ug/l #	39
6) Chloroethane	1.673	64	338	1.262	ug/l #	41
11) Tert butyl alcohol	2.965	59	1568	2.658	ug/l #	82
13) Acrolein	2.233	56	75	Below Cal	#	1
16) Acetone	2.380	43	20229	18.329	ug/l	98
18) Methyl Acetate	2.709	43	2749	0.808	ug/l	98
20) Methylene Chloride	2.788	84	22157	9.506	ug/l	97
25) 2-Butanone	4.574	43	5579	2.912	ug/l	96
29) Tetrahydrofuran	5.026	42	677	0.537	ug/l #	80
31) Cyclohexane	5.556	56	3287	1.045	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	12767	5.067	ug/l #	49
37) Ethyl Acetate	4.721	43	35953	10.432	ug/l	99
38) Carbon Tetrachloride	5.556	117	16784	7.687	ug/l #	16
42) 1,2-Dichloroethane	6.342	62	738	0.295	ug/l	81
43) Isopropyl Acetate	6.348	43	138762	26.738	ug/l	99
44) Trichloroethene	7.135	130	857	0.391	ug/l	87
48) Methyl methacrylate	7.799	41	122654	49.847	ug/l #	41
49) 1,4-Dioxane	7.641	88	56	0.961	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	102333	29.903	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	51490	16.941	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	6489	1.883	ug/l #	42
59) 2-Hexanone	9.482	43	83574	31.469	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	52531	19.667	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	52531	62.459	ug/l #	12

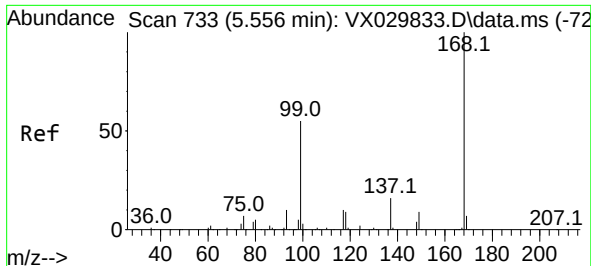
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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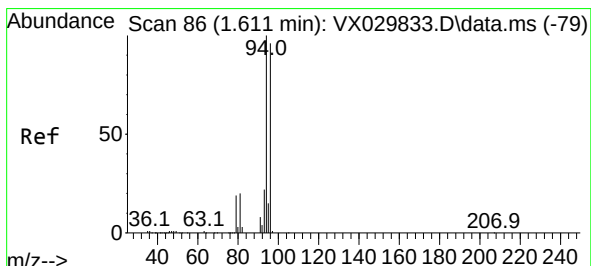
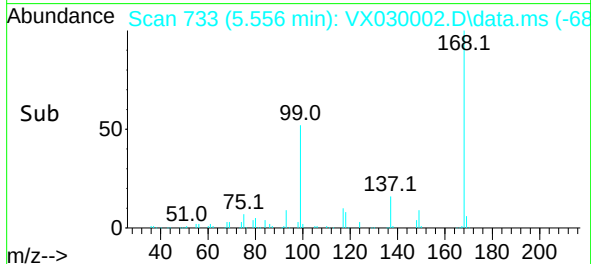
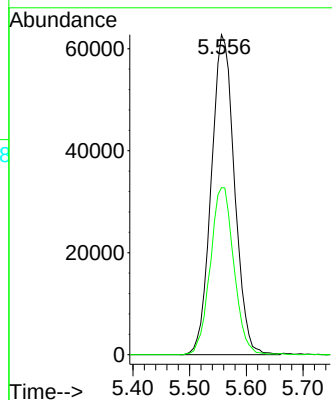
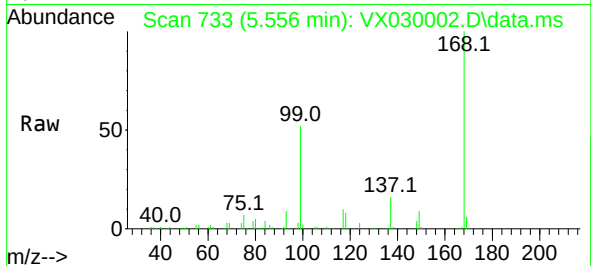




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

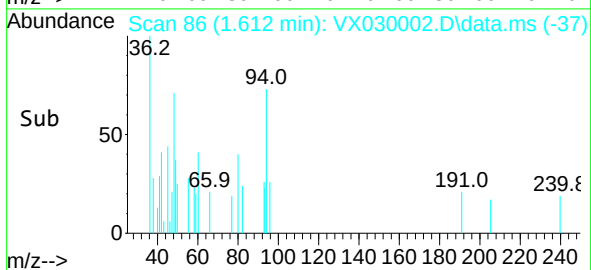
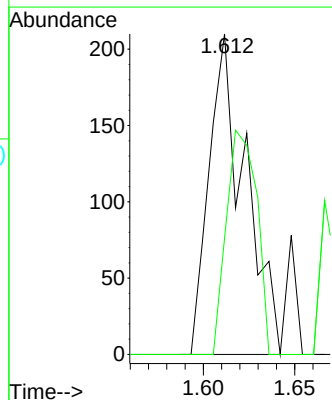
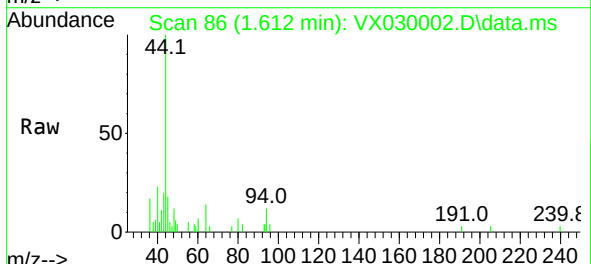
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#07

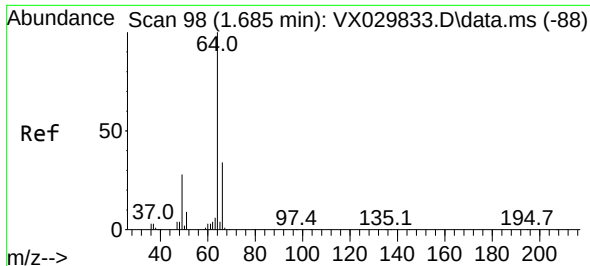
Tgt Ion:168 Resp: 178216
Ion Ratio Lower Upper
168 100
99 52.2 44.0 66.0



#5
Bromomethane
Concen: 0.263 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion: 94 Resp: 289
Ion Ratio Lower Upper
94 100
96 36.2 76.9 115.3#

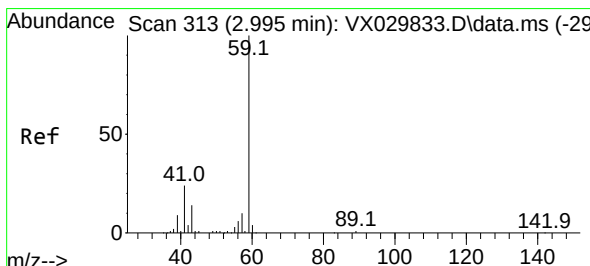
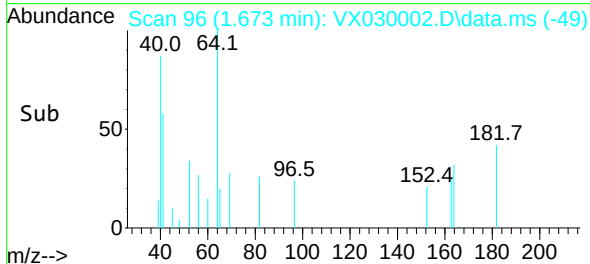
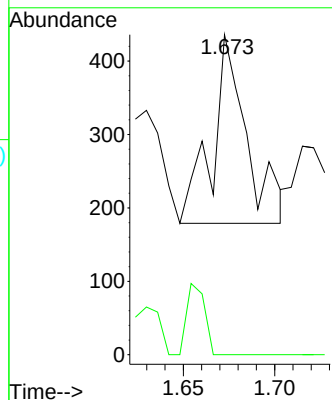
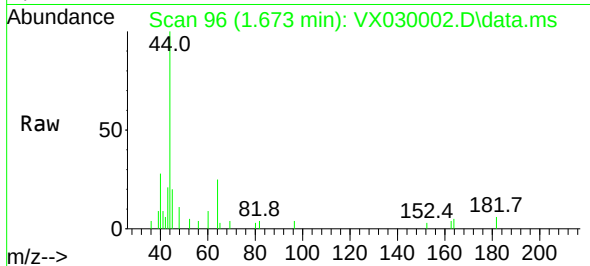




#6
Chloroethane
Concen: 1.262 ug/l
RT: 1.673 min Scan# 90
Delta R.T. -0.012 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

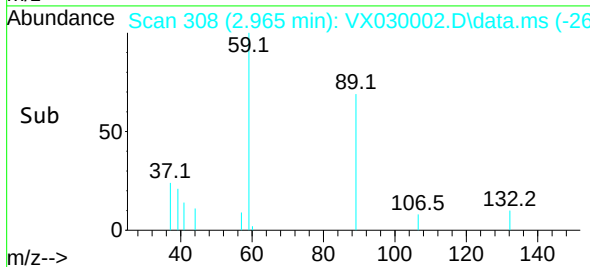
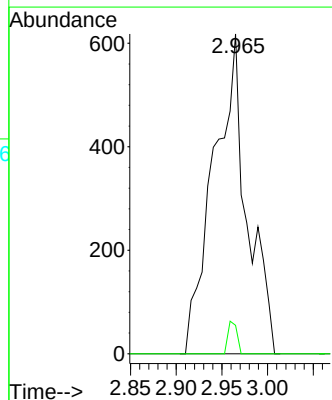
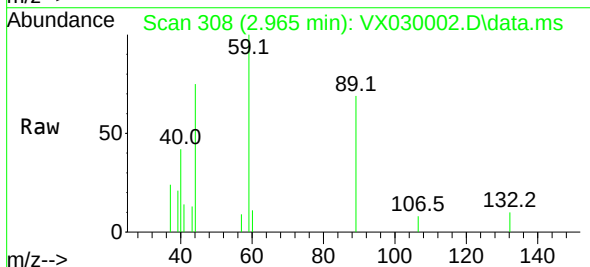
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#07

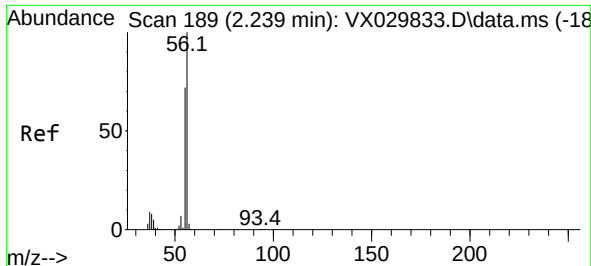
Tgt Ion: 64 Resp: 338
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#11
Tert butyl alcohol
Concen: 2.658 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.030 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion: 59 Resp: 1568
Ion Ratio Lower Upper
59 100
57 2.7 7.4 11.2#

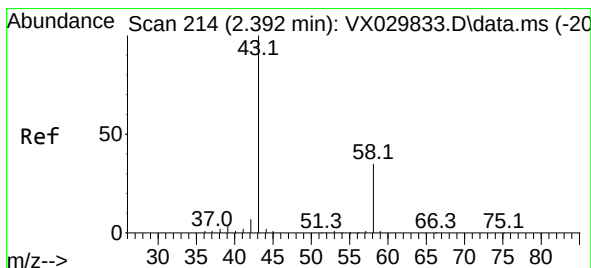
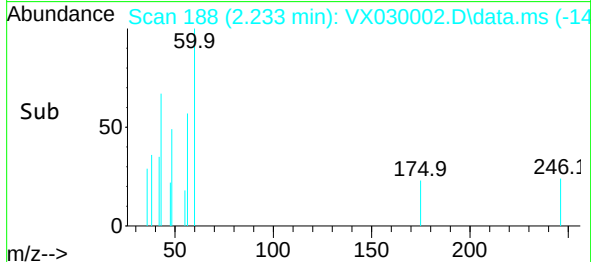
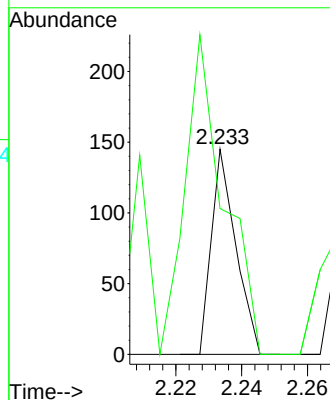
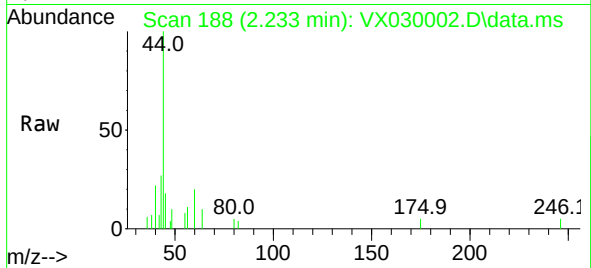




#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

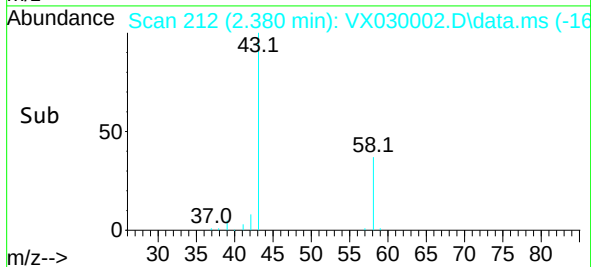
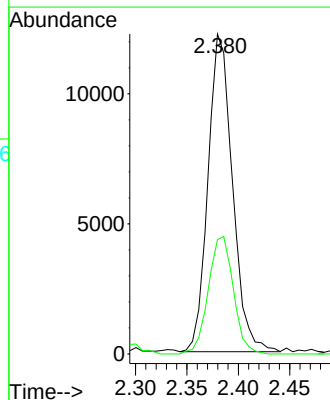
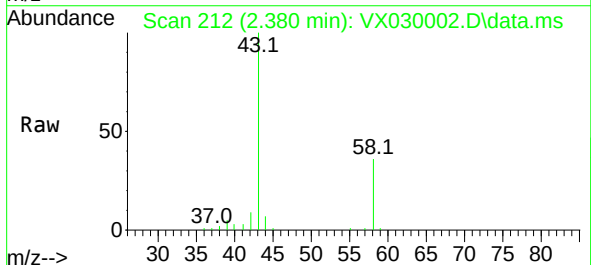
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#07

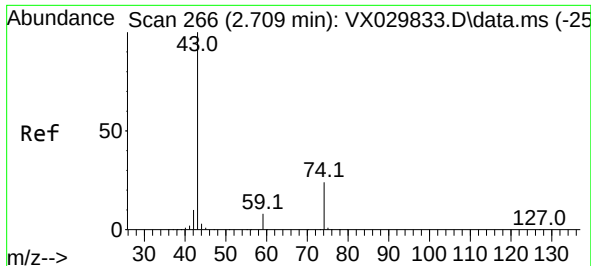
Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 316.0 56.6 84.8#



#16
Acetone
Concen: 18.329 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion: 43 Resp: 20229
Ion Ratio Lower Upper
43 100
58 36.0 27.7 41.5

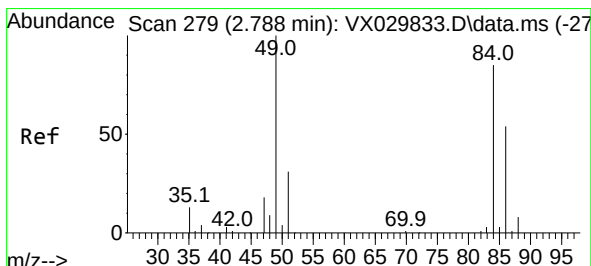
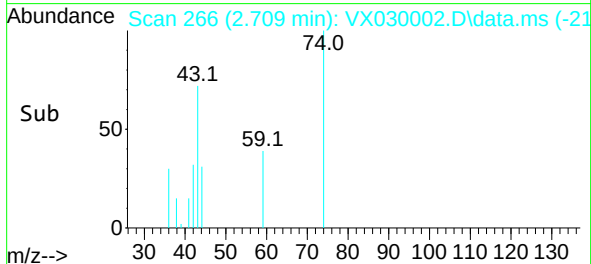
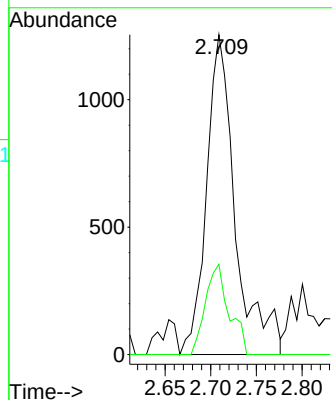
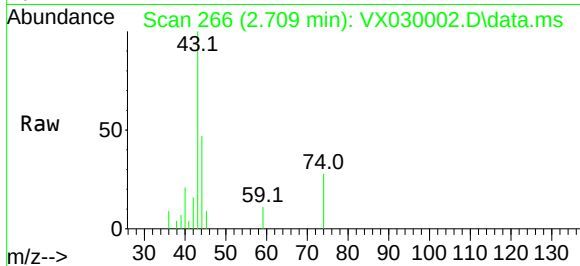




#18
Methyl Acetate
Concen: 0.808 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

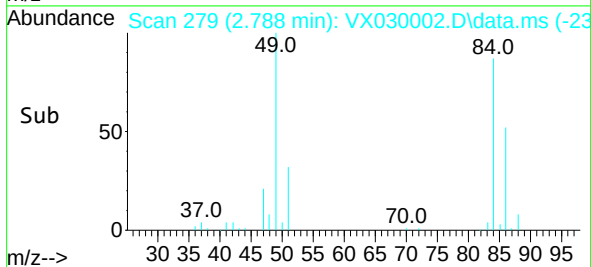
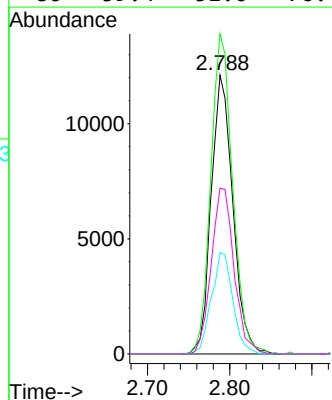
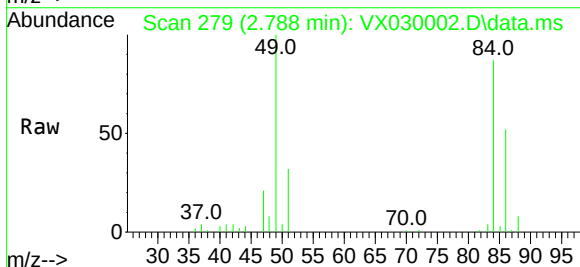
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#07

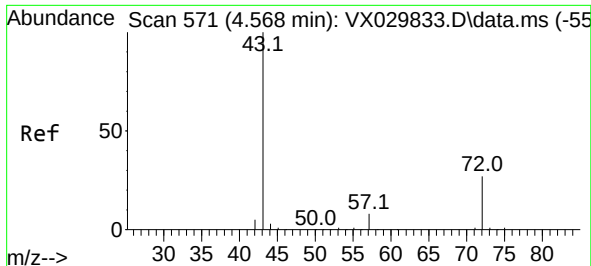
Tgt Ion: 43 Resp: 2749
Ion Ratio Lower Upper
43 100
74 23.2 19.4 29.2



#20
Methylene Chloride
Concen: 9.506 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion: 84 Resp: 22157
Ion Ratio Lower Upper
84 100
49 114.8 93.8 140.6
51 36.3 29.4 44.0
86 59.4 51.0 76.4

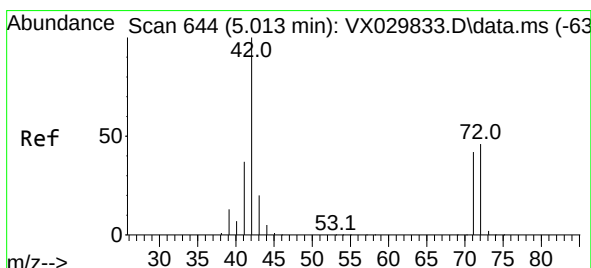
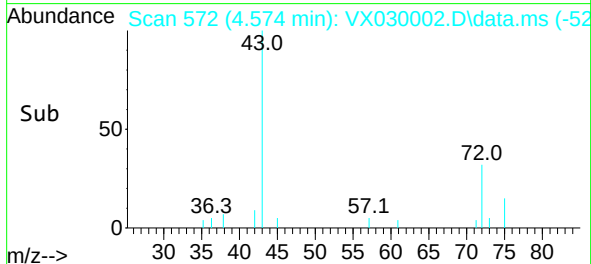
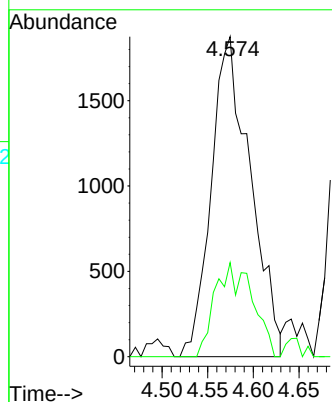
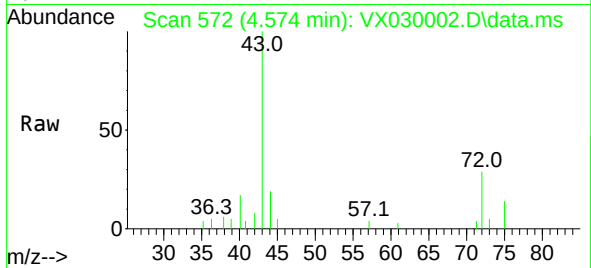




#25
2-Butanone
Concen: 2.912 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

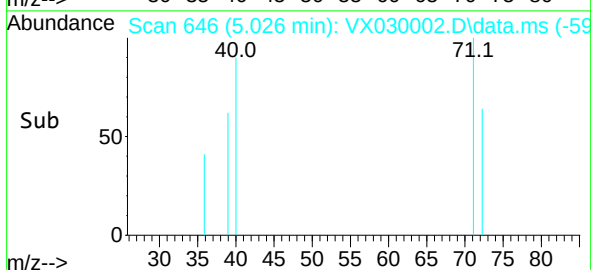
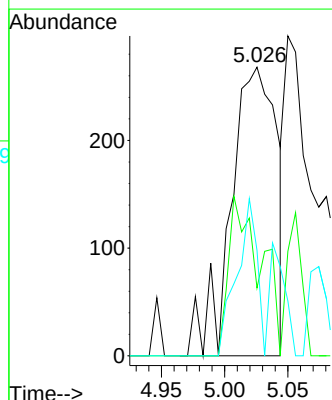
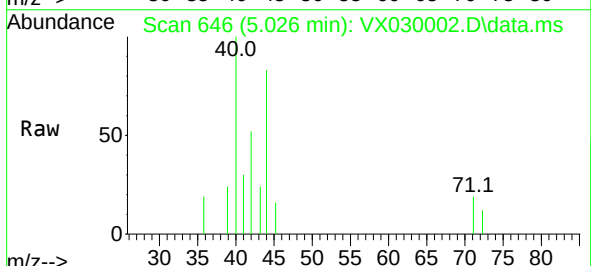
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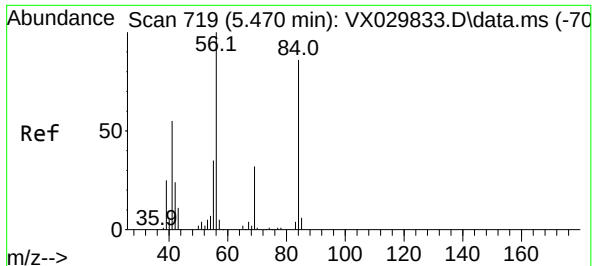
Tgt Ion: 43 Resp: 5579
Ion Ratio Lower Upper
43 100
72 29.4 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.537 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion: 42 Resp: 677
Ion Ratio Lower Upper
42 100
72 38.4 36.5 54.7
71 24.1 33.9 50.9#

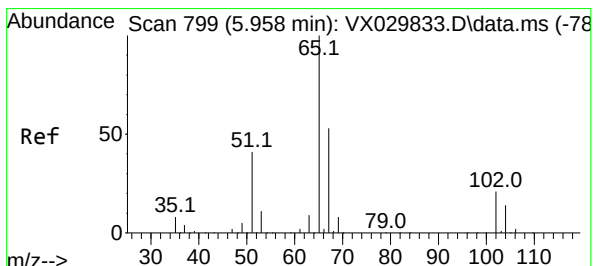
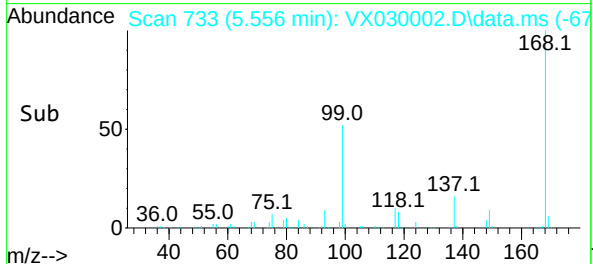
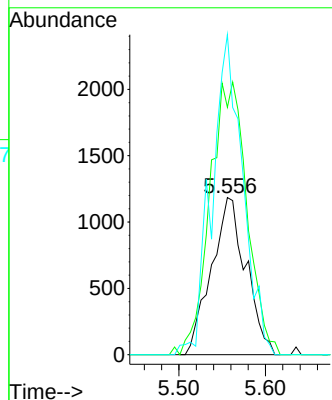
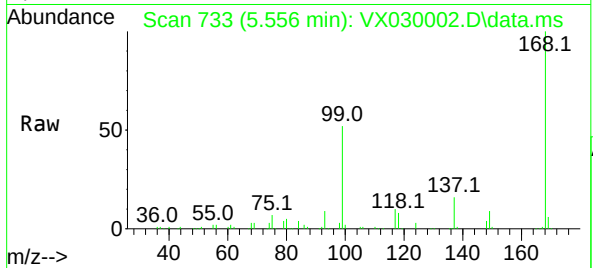




#31
Cyclohexane
Concen: 1.045 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

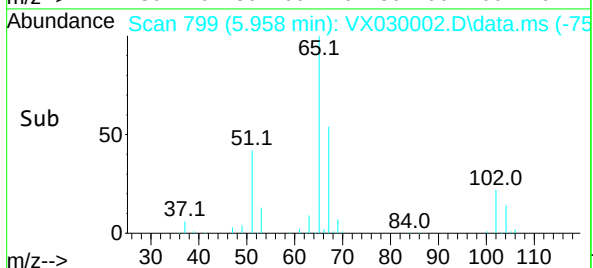
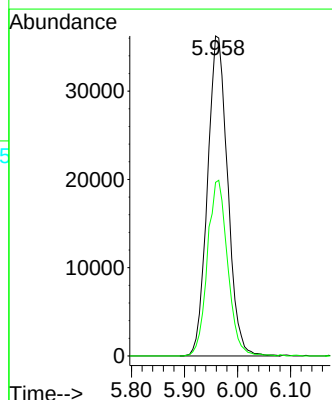
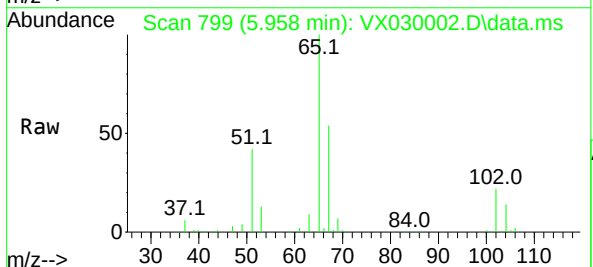
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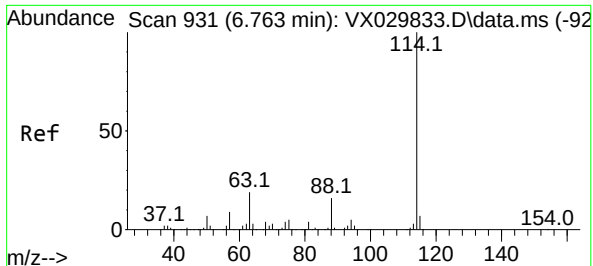
Tgt Ion: 56 Resp: 3287
Ion Ratio Lower Upper
56 100
69 157.5 25.4 38.0#
84 203.7 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 42.391 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion: 65 Resp: 95630
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.6

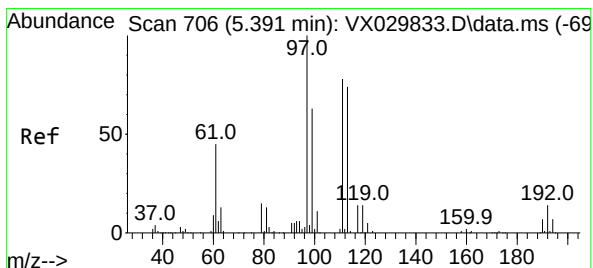
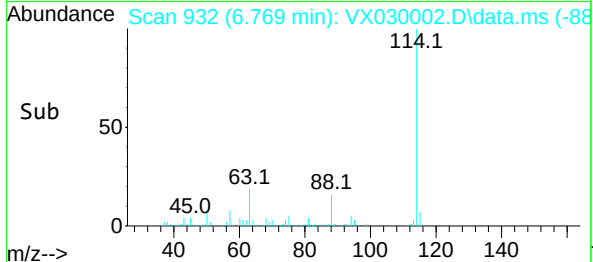
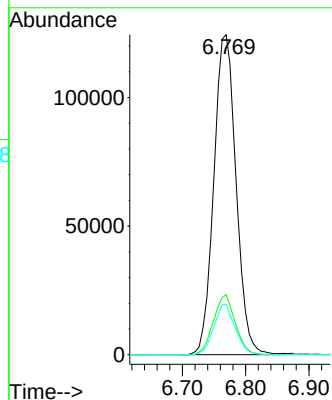
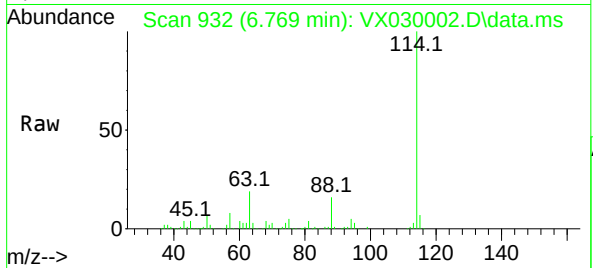




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

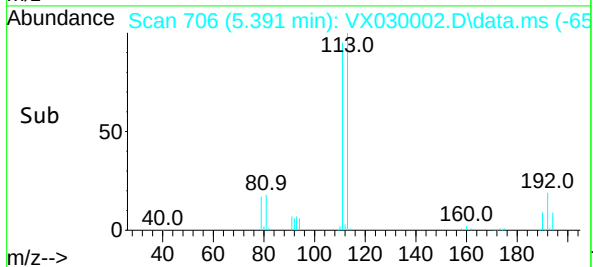
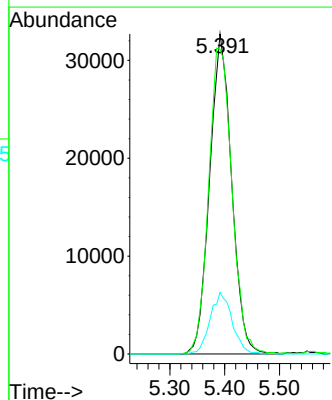
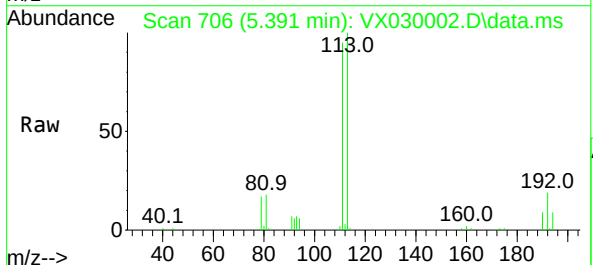
Instrument :
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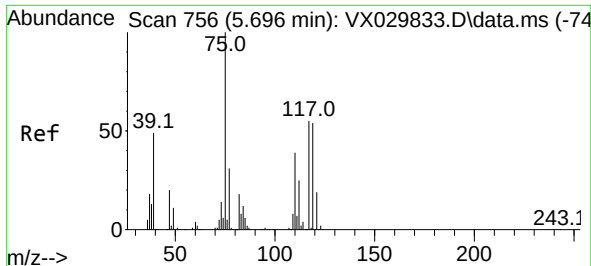
Tgt Ion:114 Resp: 303164
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.4
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.909 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion:113 Resp: 90770
Ion Ratio Lower Upper
113 100
111 101.7 83.2 124.8
192 19.3 14.8 22.2

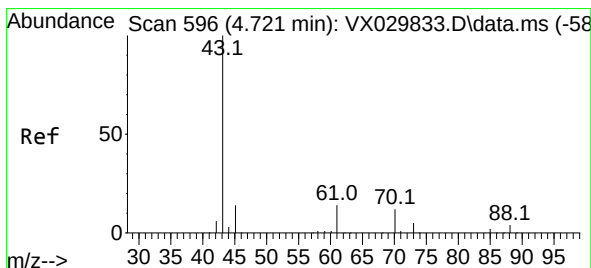
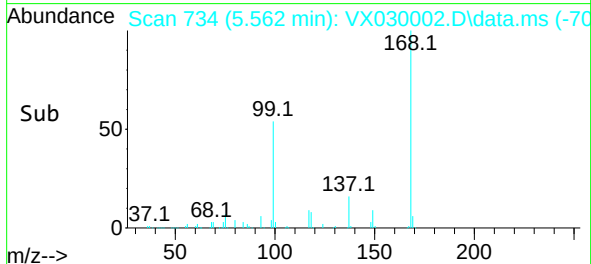
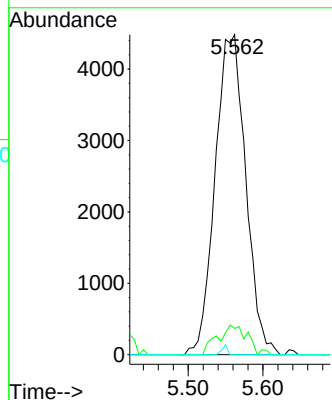
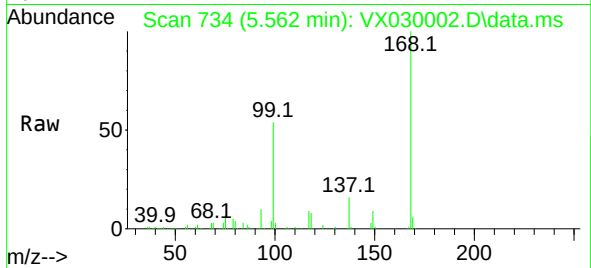




#36
1,1-Dichloropropene
Concen: 5.067 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

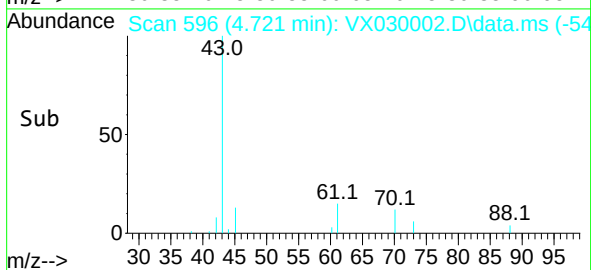
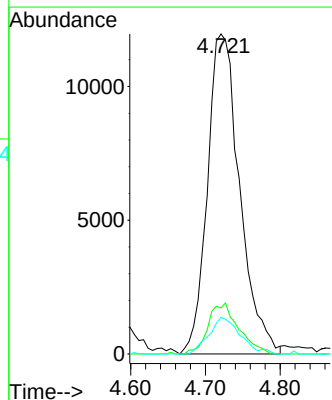
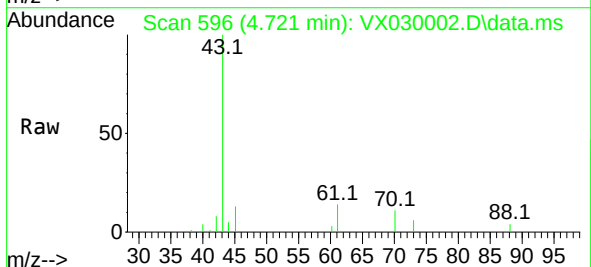
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#07

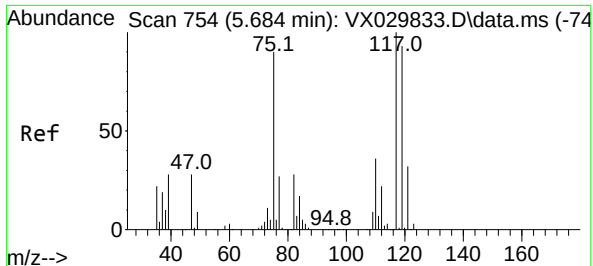
Tgt Ion: 75 Resp: 12767
Ion Ratio Lower Upper
75 100
110 9.1 19.3 57.9#
77 0.5 24.4 36.6#



#37
Ethyl Acetate
Concen: 10.432 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.000 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

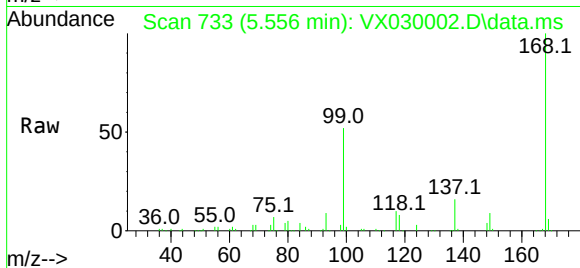
Tgt Ion: 43 Resp: 35953
Ion Ratio Lower Upper
43 100
61 15.0 11.7 17.5
70 11.1 9.3 13.9



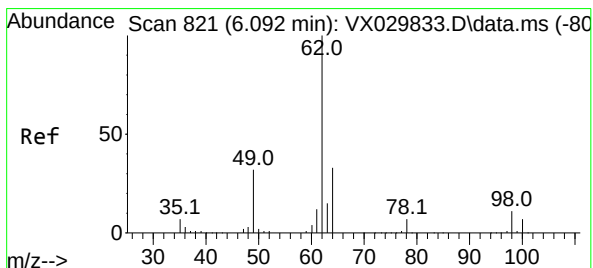
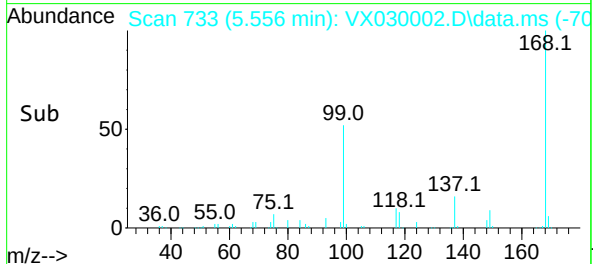
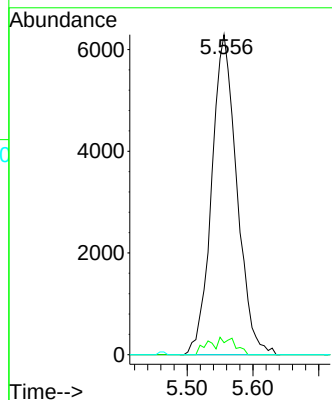


#38
Carbon Tetrachloride
Concen: 7.687 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#07

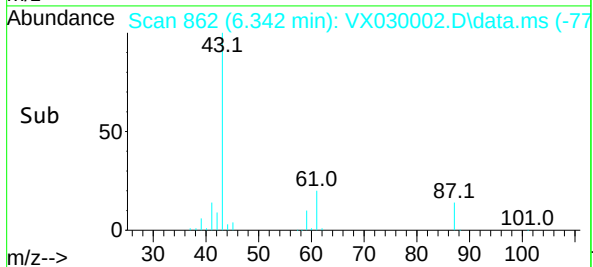
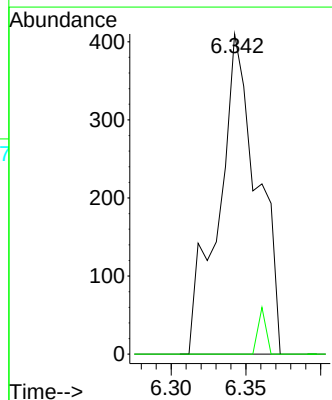
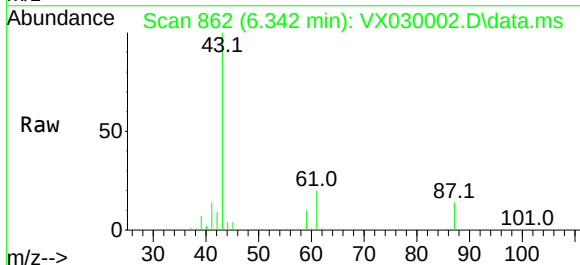


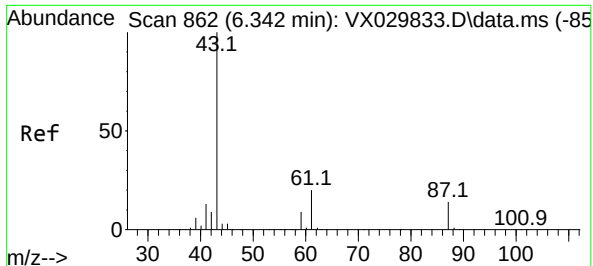
Tgt Ion:117 Resp: 16784
Ion Ratio Lower Upper
117 100
119 3.7 74.1 111.1#
121 0.0 25.8 38.8#



#42
1,2-Dichloroethane
Concen: 0.295 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.250 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion: 62 Resp: 738
Ion Ratio Lower Upper
62 100
98 3.0 0.0 20.2

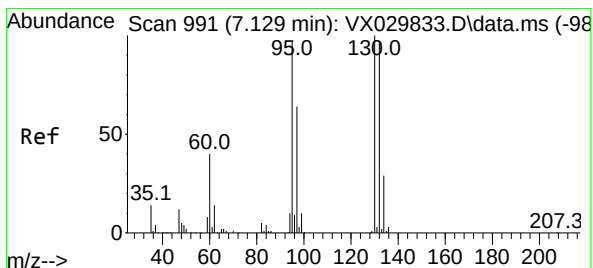
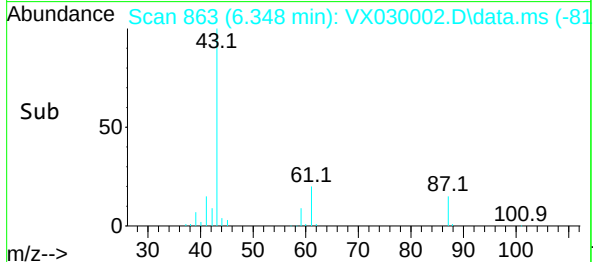
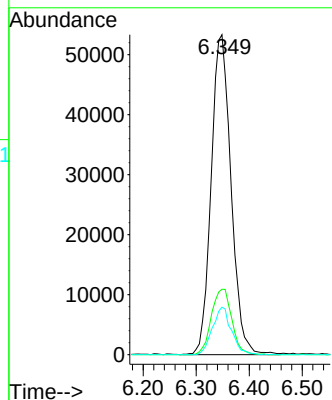
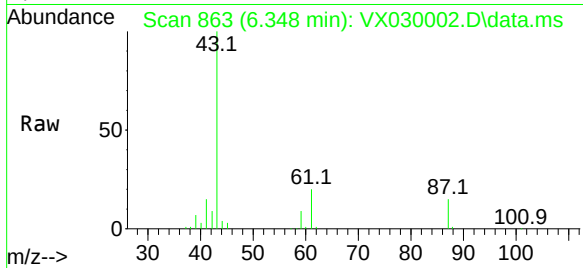




#43
Isopropyl Acetate
Concen: 26.738 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

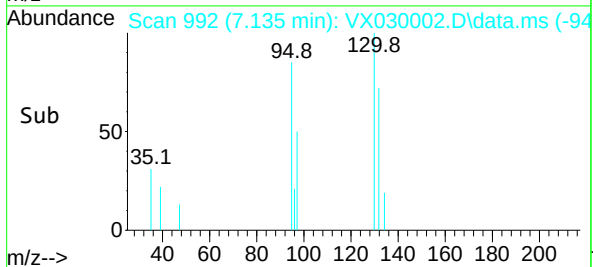
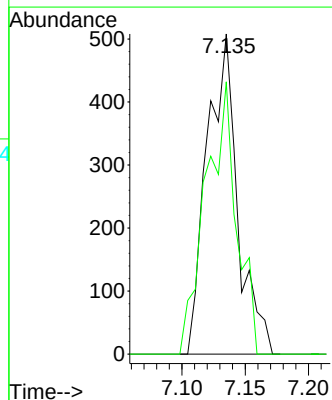
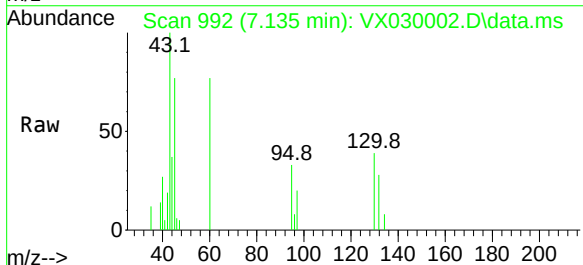
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#07

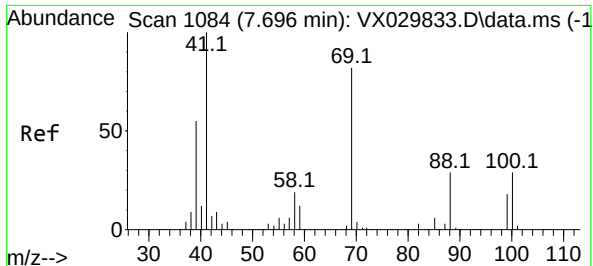
Tgt Ion: 43 Resp: 138762
Ion Ratio Lower Upper
43 100
61 21.0 16.5 24.7
87 14.2 11.1 16.7



#44
Trichloroethene
Concen: 0.391 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion: 130 Resp: 857
Ion Ratio Lower Upper
130 100
95 85.0 0.0 194.8





#48

Methyl methacrylate

Concen: 49.847 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX030002.D

Acq: 11 Jul 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

PB146125ZHE#07

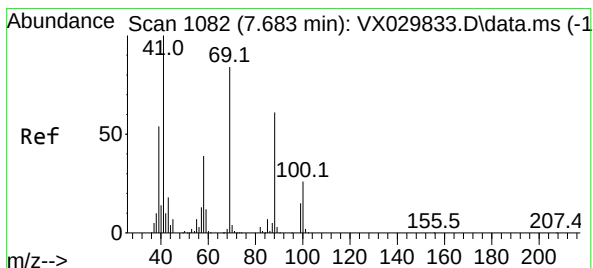
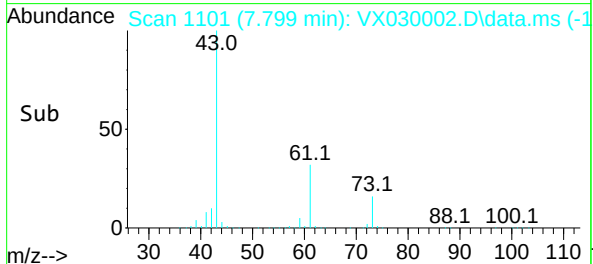
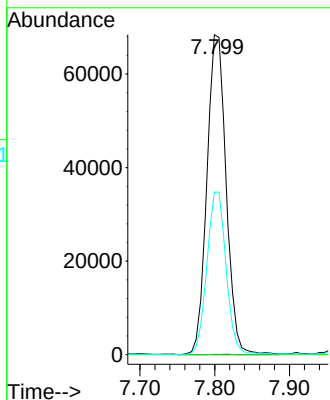
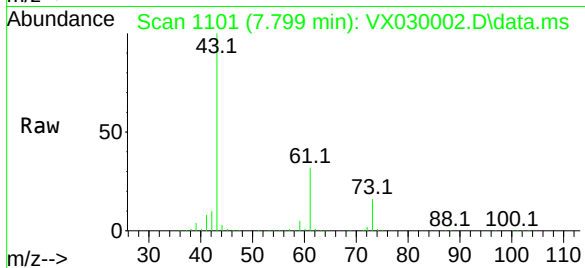
Tgt Ion: 41 Resp: 122654

Ion Ratio Lower Upper

41 100

69 0.1 68.8 103.2#

39 51.0 44.6 66.8



#49

1,4-Dioxane

Concen: 0.961 ug/l

RT: 7.641 min Scan# 1075

Delta R.T. -0.043 min

Lab File: VX030002.D

Acq: 11 Jul 2022 17:07

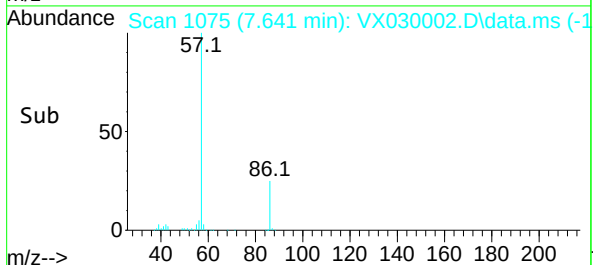
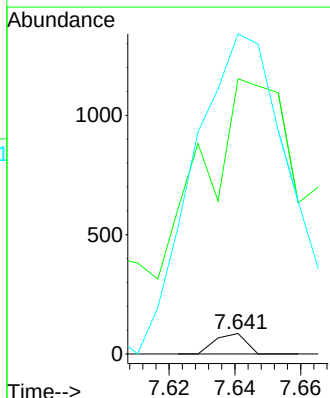
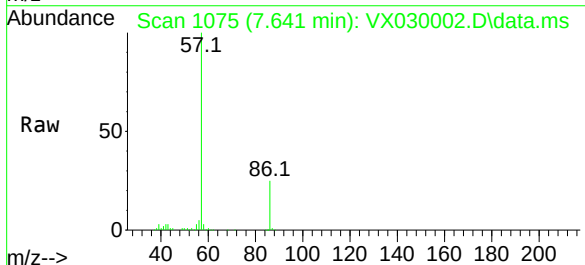
Tgt Ion: 88 Resp: 56

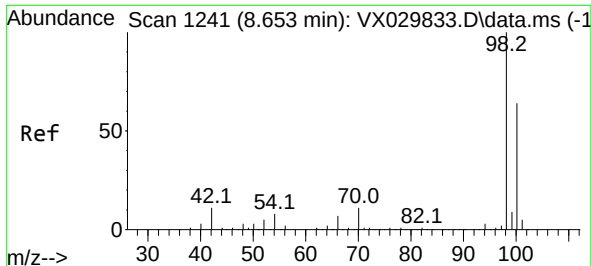
Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 4982.1 53.8 80.6#

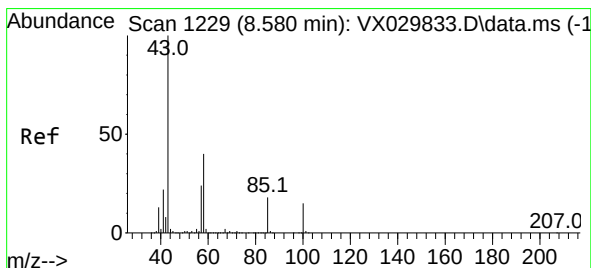
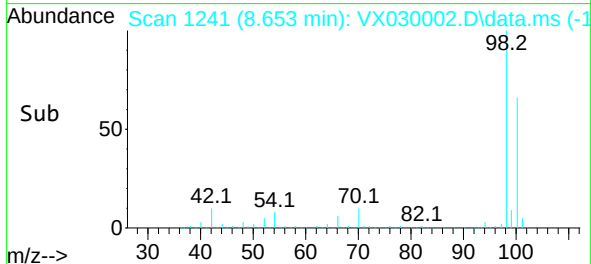
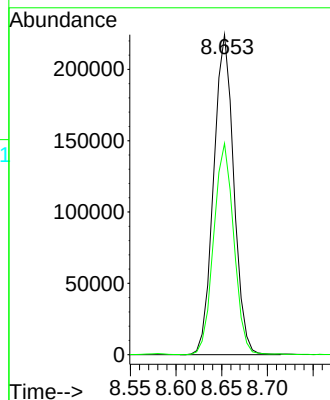
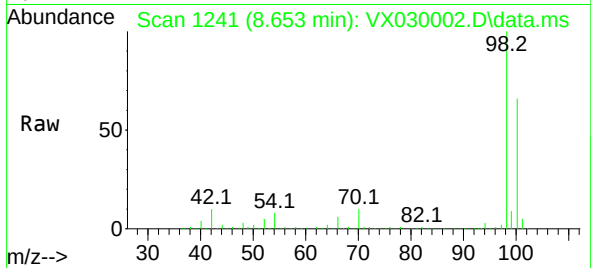




#50
Toluene-d8
Concen: 48.297 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

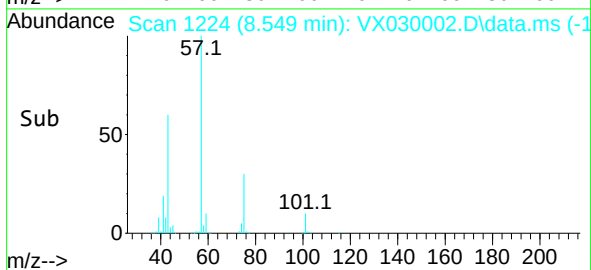
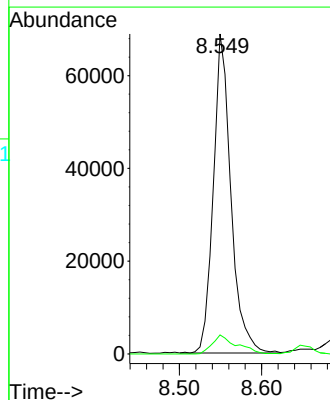
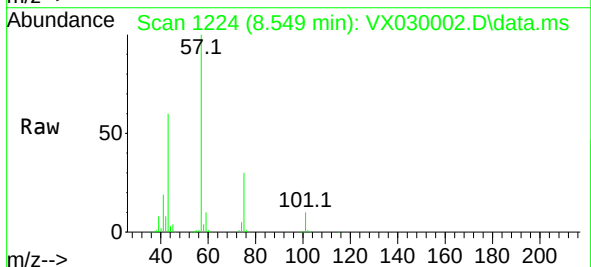
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#07

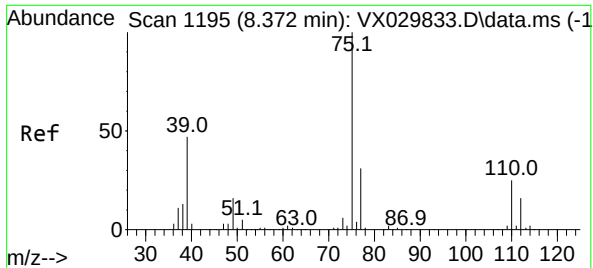
Tgt Ion: 98 Resp: 343275
Ion Ratio Lower Upper
98 100
100 66.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 29.903 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion: 43 Resp: 102333
Ion Ratio Lower Upper
43 100
58 8.2 31.4 47.2#

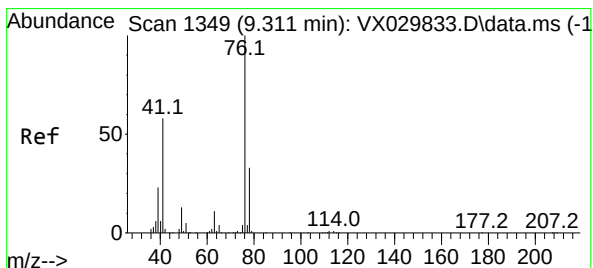
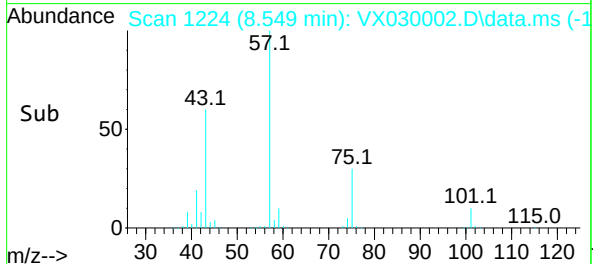
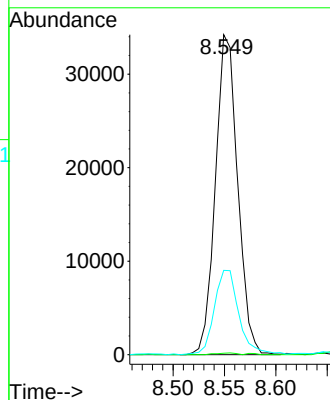
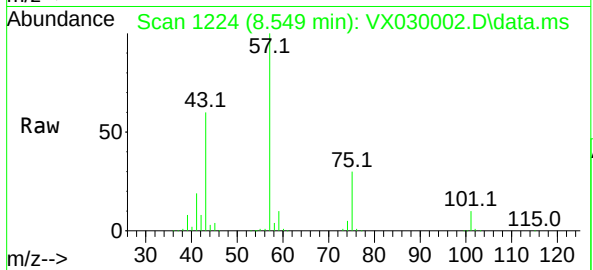




#54
 cis-1,3-Dichloropropene
 Concen: 16.941 ug/l
 RT: 8.549 min Scan# 1195
 Delta R.T. 0.177 min
 Lab File: VX030002.D
 Acq: 11 Jul 2022 17:07

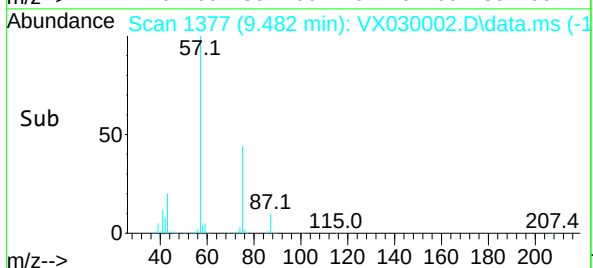
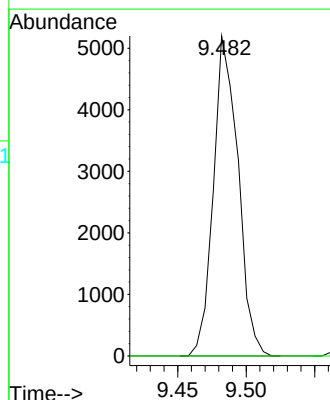
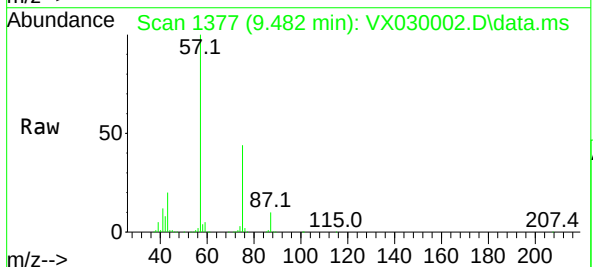
Instrument :
 MSVOA_X
 ClientSampleId :
 PB146125ZHE#07

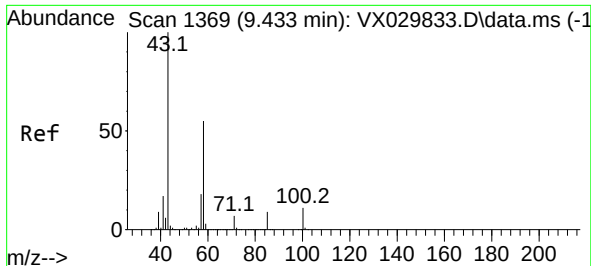
Tgt Ion: 75 Resp: 51490
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 26.4 37.5 56.3#



#57
 1,3-Dichloropropane
 Concen: 1.883 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX030002.D
 Acq: 11 Jul 2022 17:07

Tgt Ion: 76 Resp: 6489
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

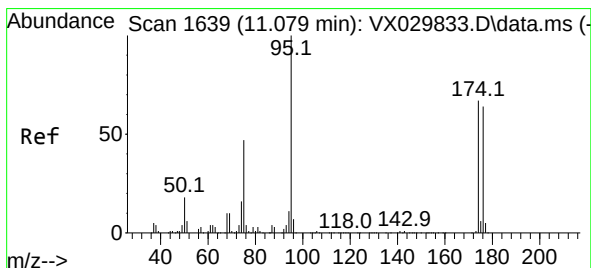
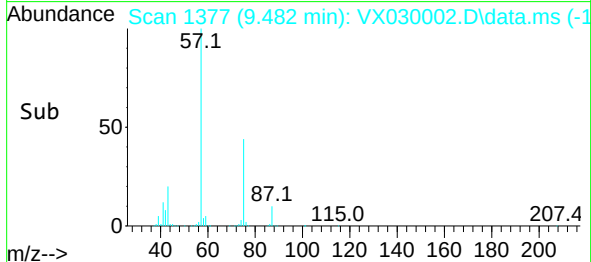
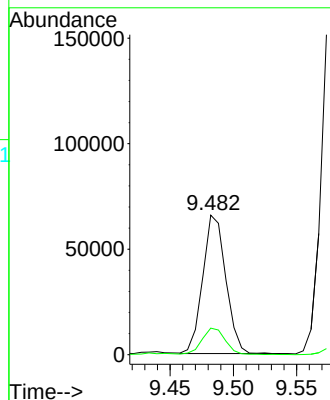
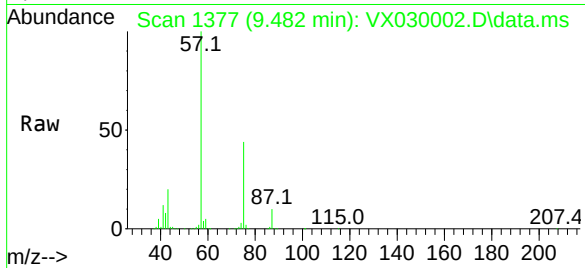




#59
2-Hexanone
Concen: 31.469 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

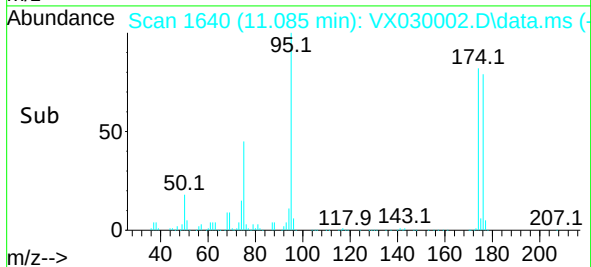
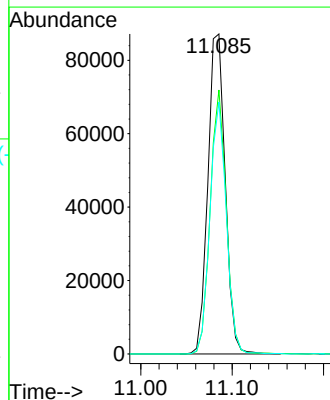
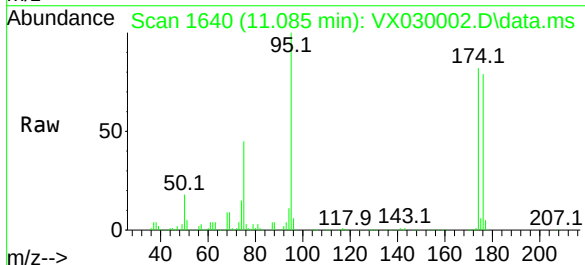
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#07

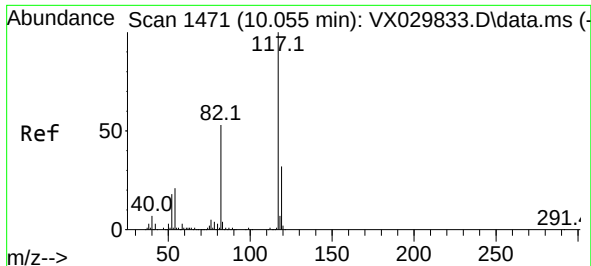
Tgt Ion: 43 Resp: 83574
Ion Ratio Lower Upper
43 100
58 19.7 27.6 82.8#



#62
4-Bromofluorobenzene
Concen: 45.569 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion: 95 Resp: 114489
Ion Ratio Lower Upper
95 100
174 76.6 0.0 149.0
176 74.4 0.0 146.0

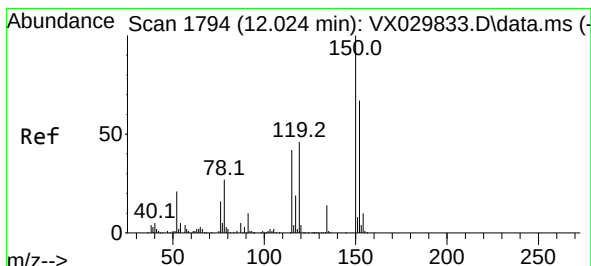
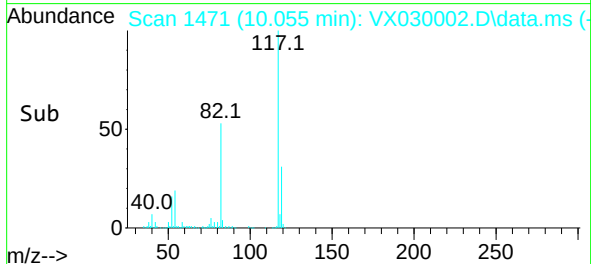
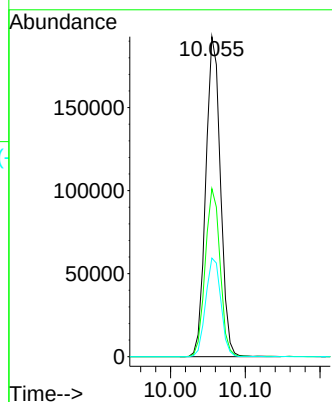
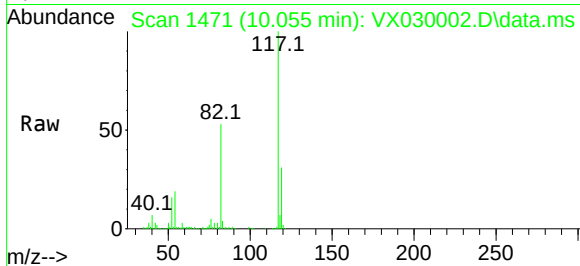




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

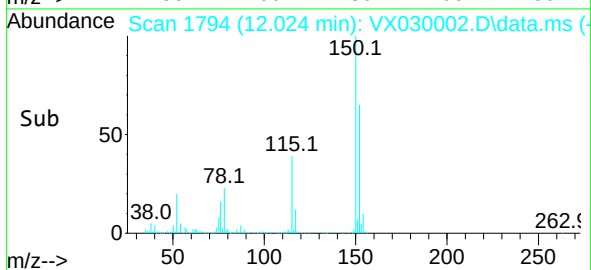
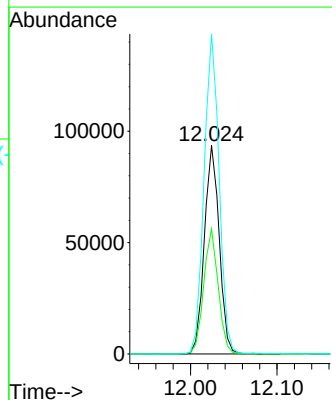
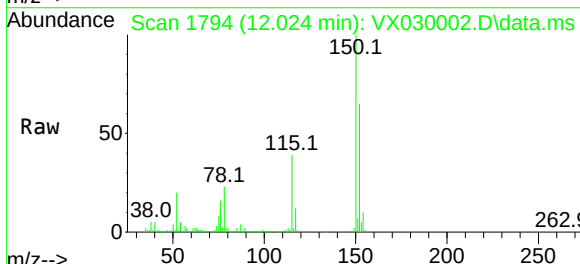
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#07

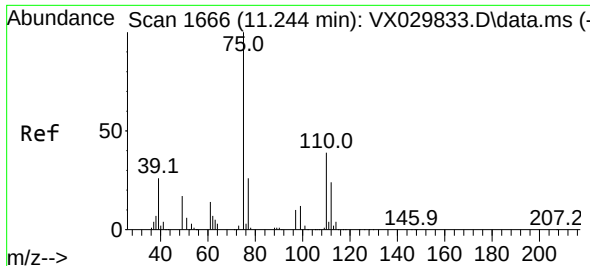
Tgt Ion:117 Resp: 262788
Ion Ratio Lower Upper
117 100
82 52.5 42.7 64.1
119 30.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion:152 Resp: 111575
Ion Ratio Lower Upper
152 100
115 58.6 40.5 121.5
150 155.4 0.0 347.0

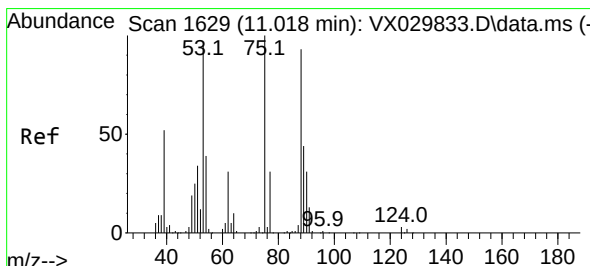
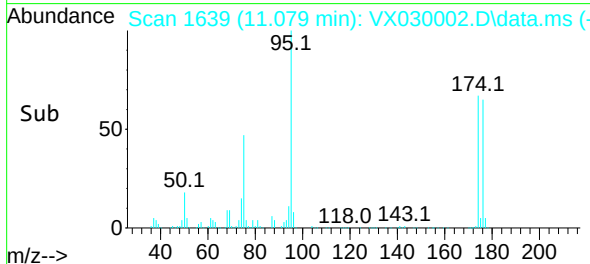
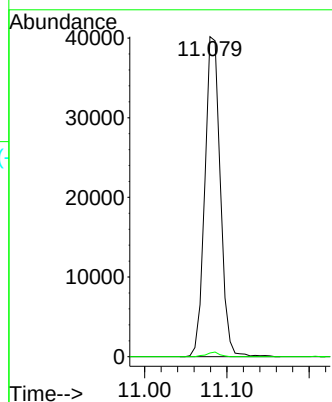
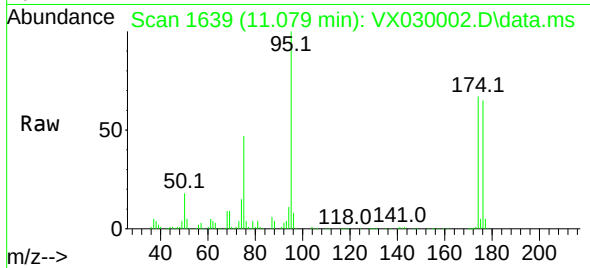




#76
1,2,3-Trichloropropane
Concen: 19.667 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#07

Tgt Ion: 75 Resp: 52531
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.459 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX030002.D
Acq: 11 Jul 2022 17:07

Tgt Ion: 75 Resp: 52531
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

