

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050322\
 Data File : VX028504.D
 Acq On : 03 May 2022 16:16
 Operator : JC/MD
 Sample : PB144525ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144525ZHE#01

Quant Time: May 04 06:06:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

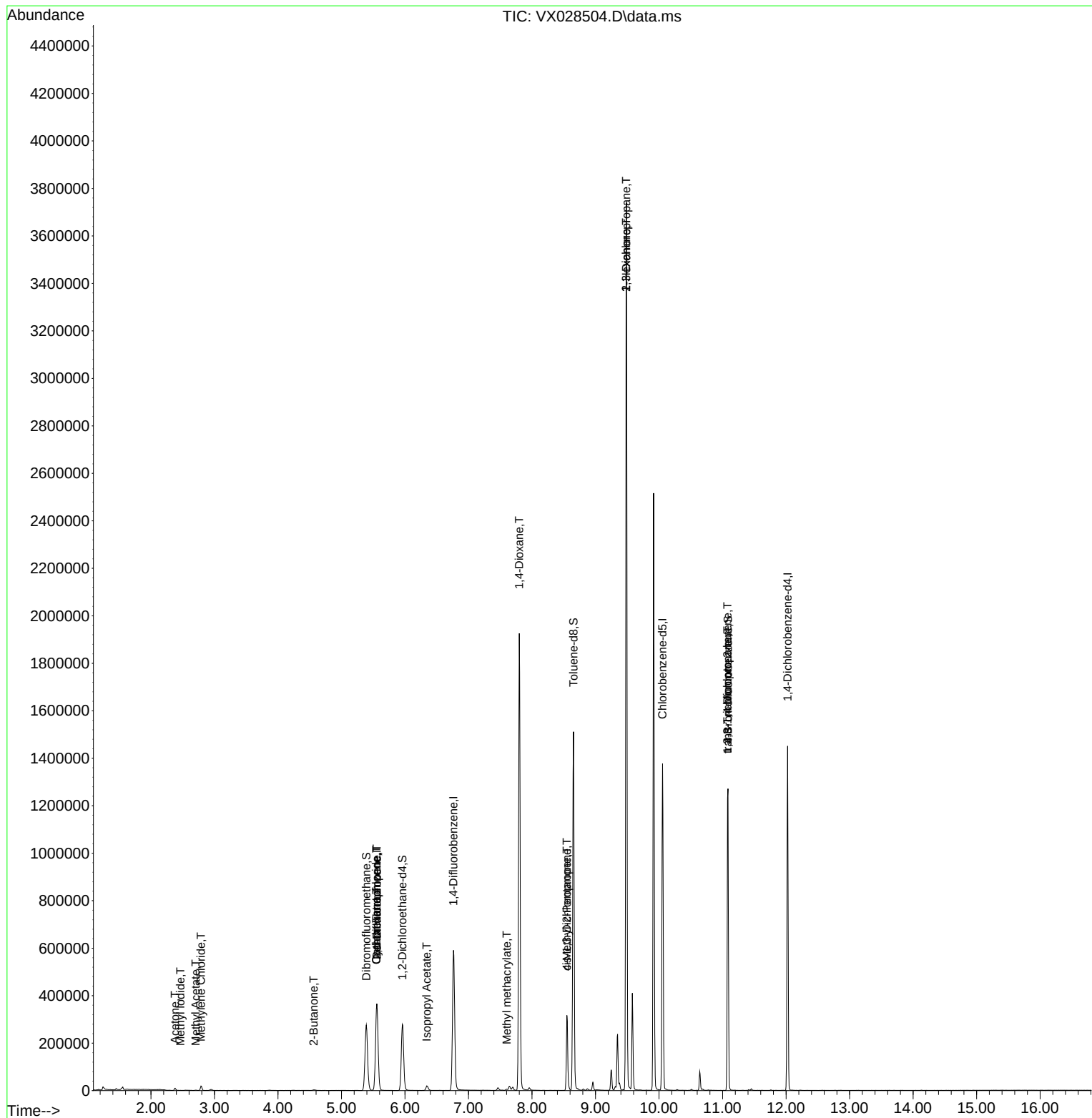
Internal Standards						
1) Pentafluorobenzene	5.556	168	356289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	629463	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	650232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	302476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	263594	56.741	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.480%			
35) Dibromofluoromethane	5.391	113	237665	53.839	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.680%			
50) Toluene-d8	8.653	98	912349	53.811	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.620%			
62) 4-Bromofluorobenzene	11.085	95	331851	51.190	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.380%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	426	Below Cal	#	73
5) Bromomethane	1.611	94	808	Below Cal		85
6) Chloroethane	1.685	64	411	Below Cal	#	43
8) Diethyl Ether	2.136	74	171	Below Cal	#	1
10) Methyl Iodide	2.465	142	296	5.302	ug/l #	58
11) Tert butyl alcohol	2.946	59	2972	Below Cal	#	72
16) Acetone	2.379	43	9752	5.508	ug/l	99
18) Methyl Acetate	2.703	43	1834	0.444	ug/l #	79
20) Methylene Chloride	2.788	84	8695	2.523	ug/l	95
25) 2-Butanone	4.562	43	3447	1.253	ug/l #	84
31) Cyclohexane	5.550	56	6973	1.232	ug/l #	7
36) 1,1-Dichloropropene	5.556	75	26437	4.591	ug/l #	50
38) Carbon Tetrachloride	5.550	117	35121	5.403	ug/l #	15
43) Isopropyl Acetate	6.342	43	25519	2.684	ug/l	99
48) Methyl methacrylate	7.604	41	7738	1.772	ug/l #	7
49) 1,4-Dioxane	7.799	88	356	3.048	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	98183	16.090	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	54180	7.632	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	36598	4.766	ug/l #	43
59) 2-Hexanone	9.482	43	407665	86.246	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	163650	27.491	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	163650	81.695	ug/l #	15

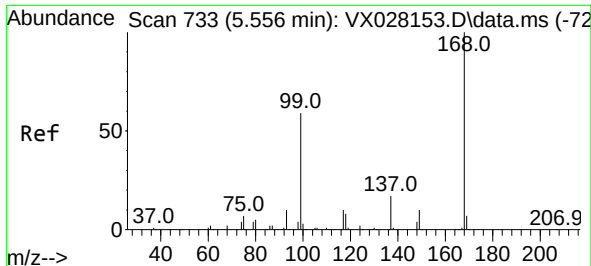
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

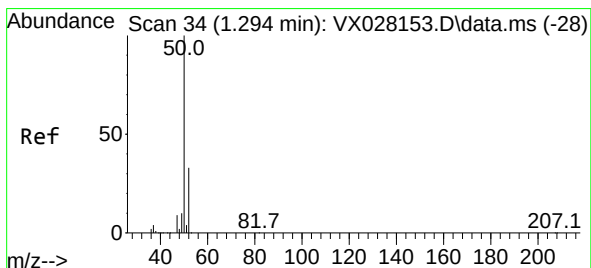
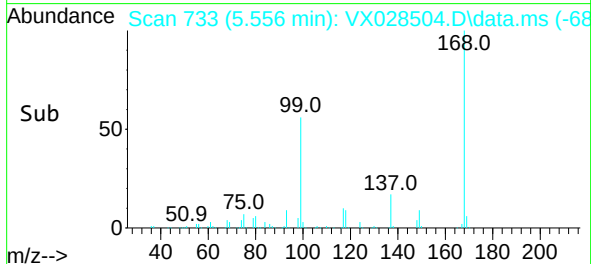
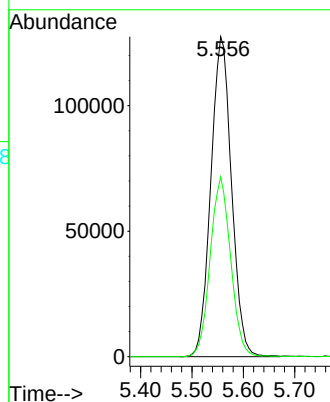
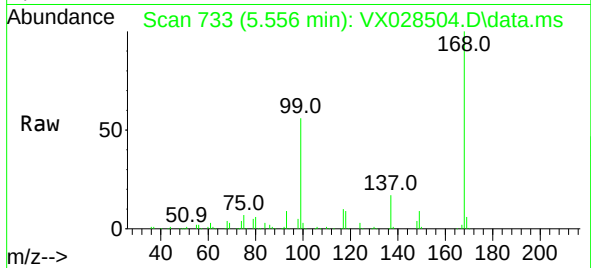




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

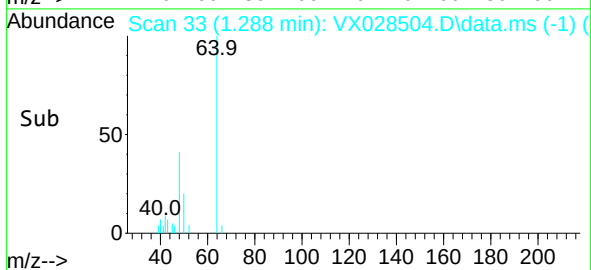
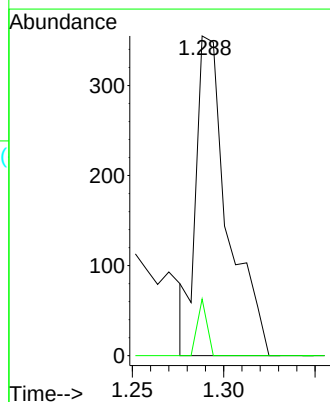
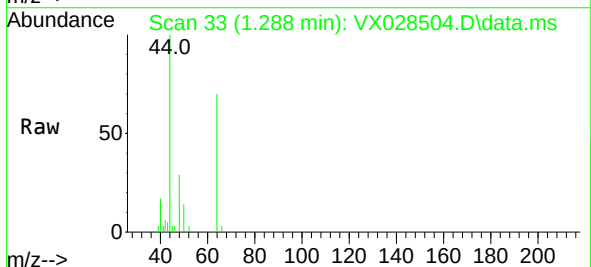
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#01

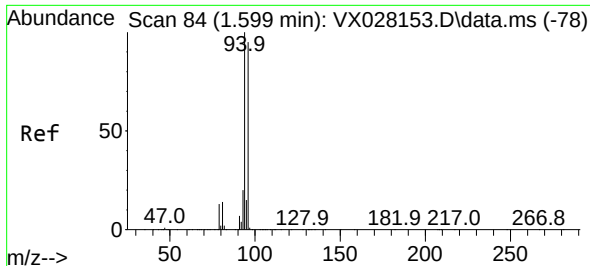
Tgt Ion:168 Resp: 356289
Ion Ratio Lower Upper
168 100
99 56.2 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Tgt Ion: 50 Resp: 426
Ion Ratio Lower Upper
50 100
52 17.7 26.4 39.6#

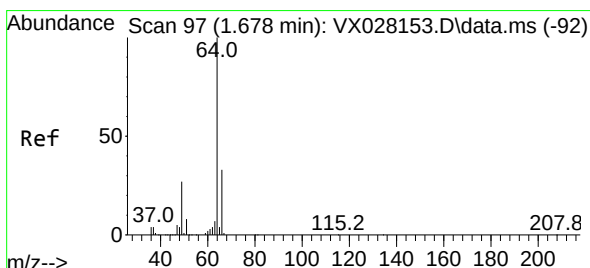
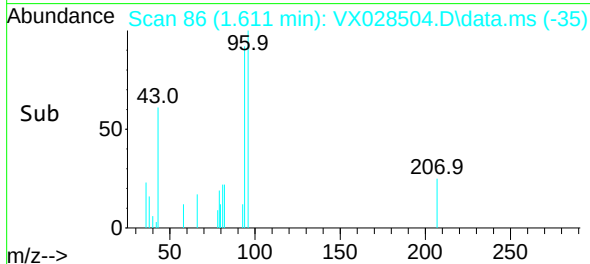
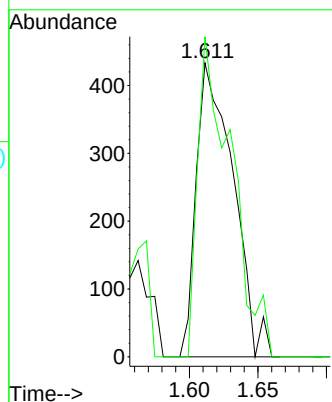
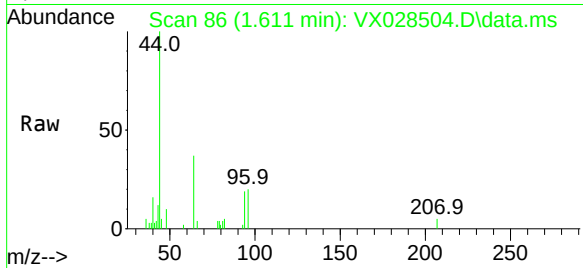




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

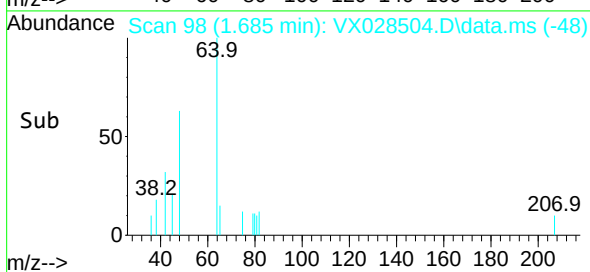
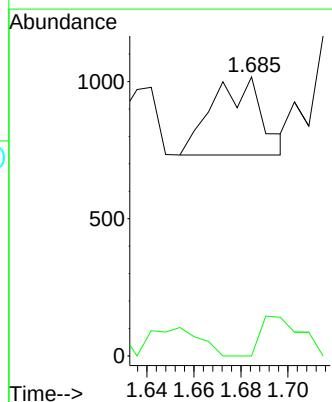
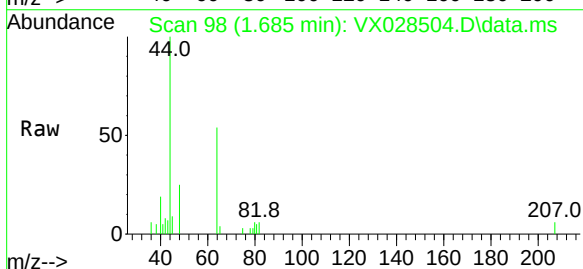
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#01

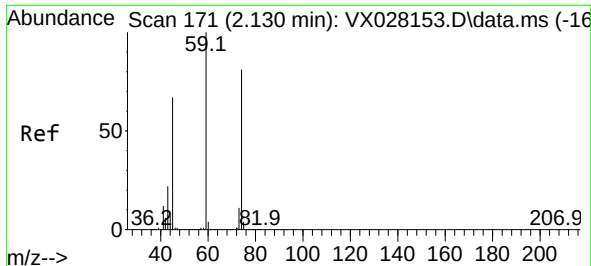
Tgt Ion: 94 Resp: 808
Ion Ratio Lower Upper
94 100
96 109.0 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Tgt Ion: 64 Resp: 411
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

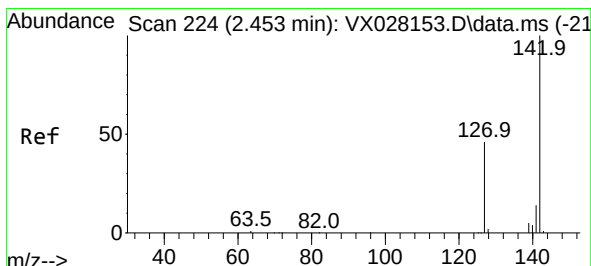
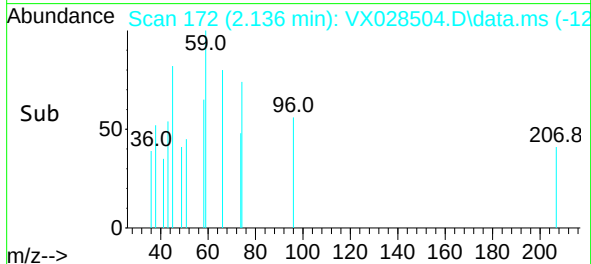
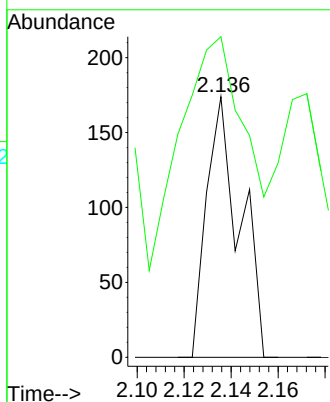
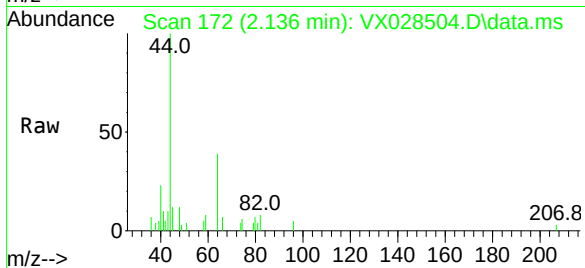




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

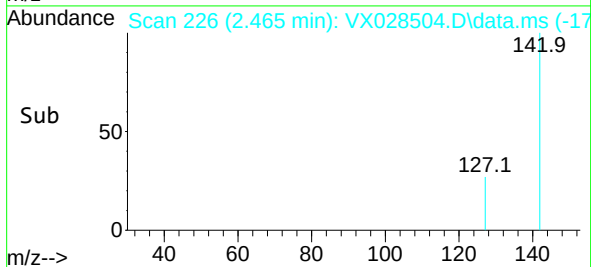
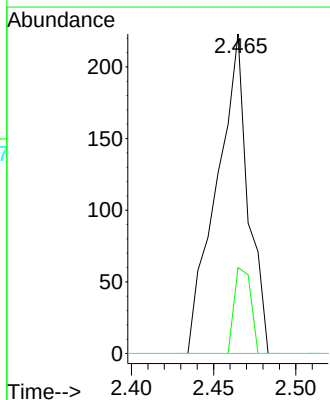
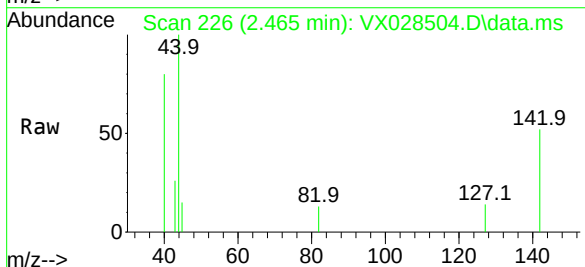
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#01

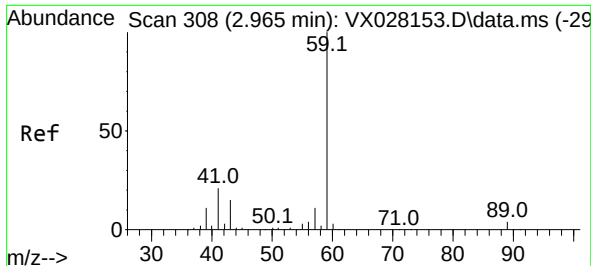
Tgt Ion: 74 Resp: 171
Ion Ratio Lower Upper
74 100
45 186.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.302 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Tgt Ion: 142 Resp: 296
Ion Ratio Lower Upper
142 100
127 14.2 33.9 50.9#
141 0.0 11.4 17.2#

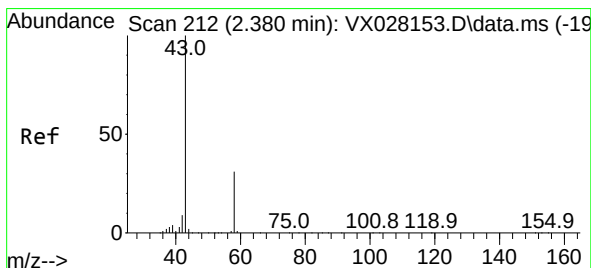
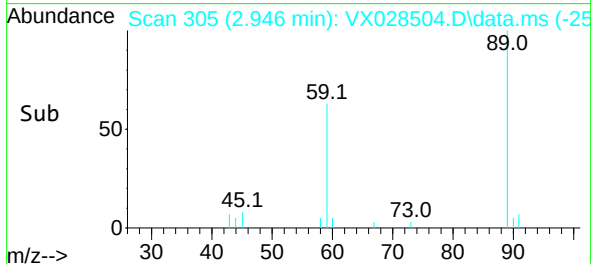
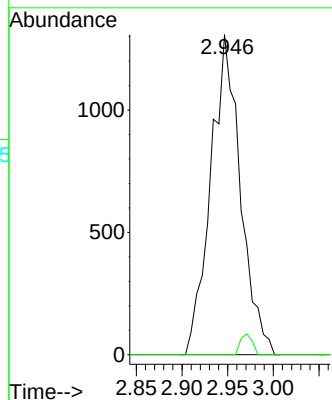
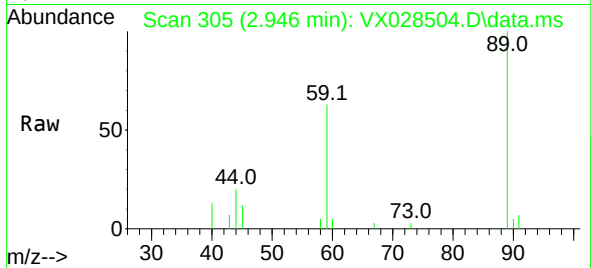




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 308
Delta R.T. -0.019 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

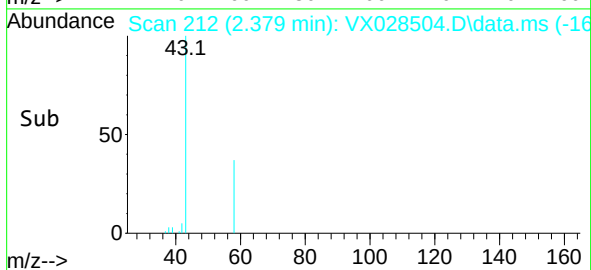
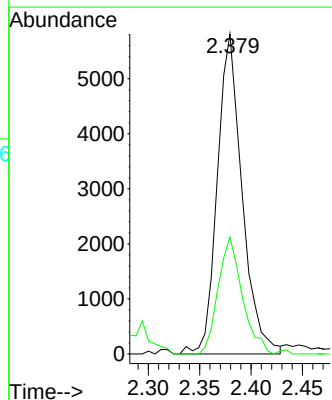
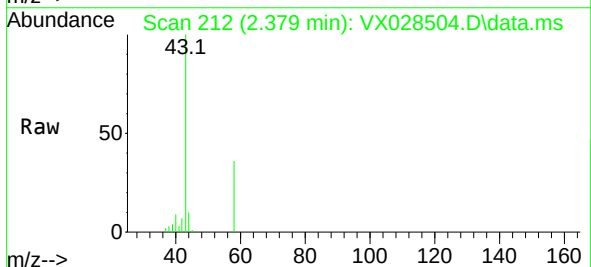
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#01

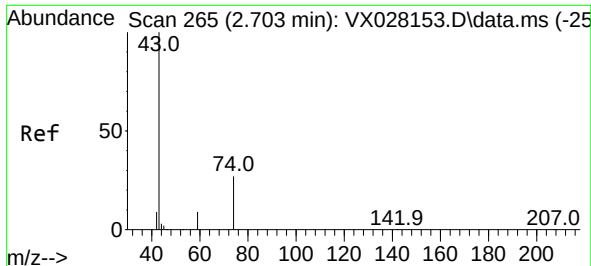
Tgt Ion: 59 Resp: 2972
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 5.508 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Tgt Ion: 43 Resp: 9752
Ion Ratio Lower Upper
43 100
58 36.4 28.8 43.2

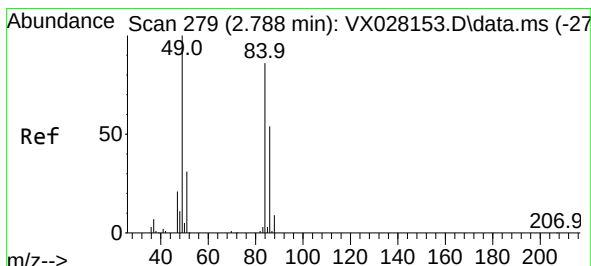
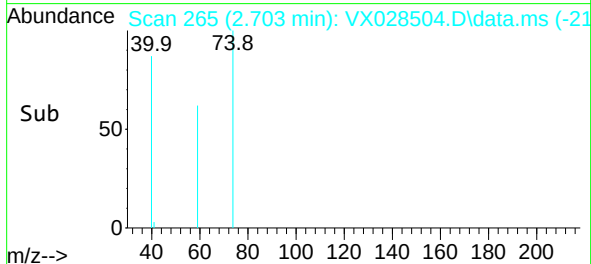
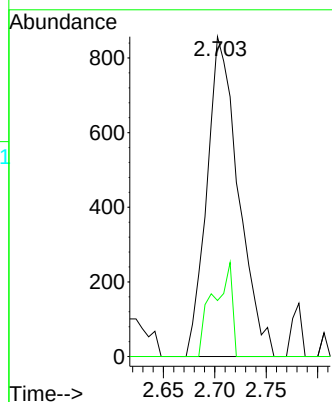
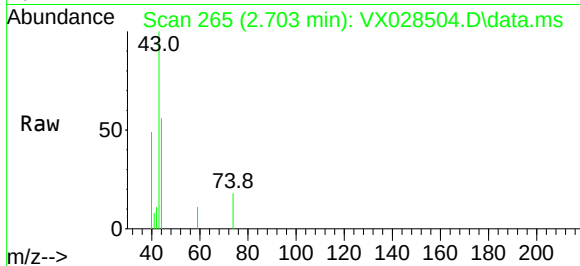




#18
Methyl Acetate
Concen: 0.444 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

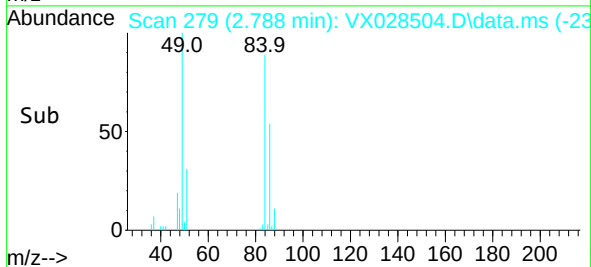
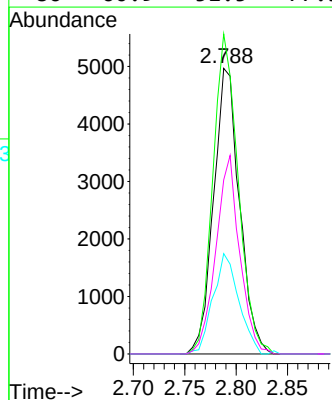
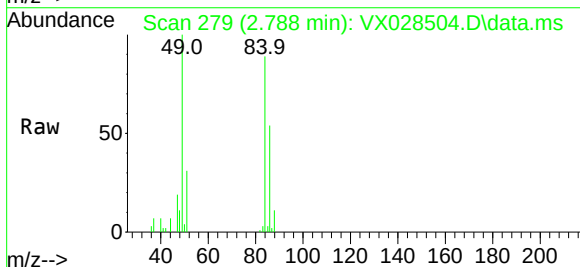
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MSVOA_X
ClientSampleId :
PB144525ZHE#01

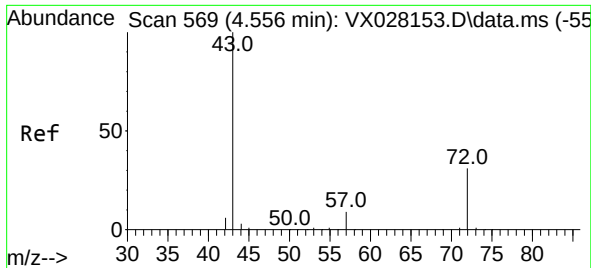
Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
74 17.5 22.8 34.2#



#20
Methylene Chloride
Concen: 2.523 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Tgt Ion: 84 Resp: 8695
Ion Ratio Lower Upper
84 100
49 112.0 85.5 128.3
51 35.1 26.6 39.8
86 60.9 51.5 77.3

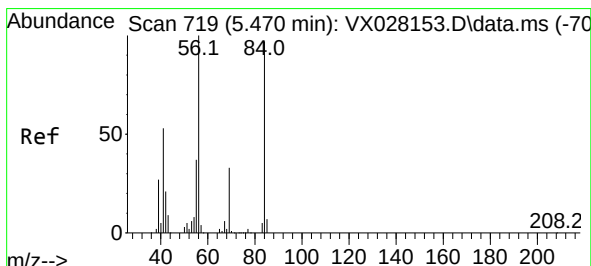
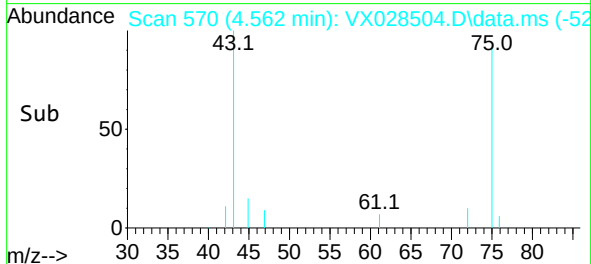
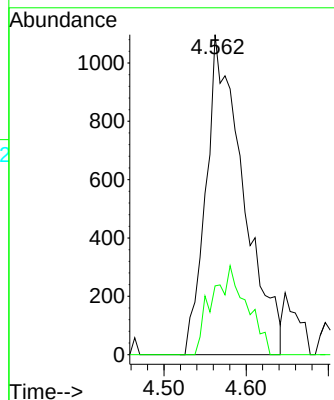
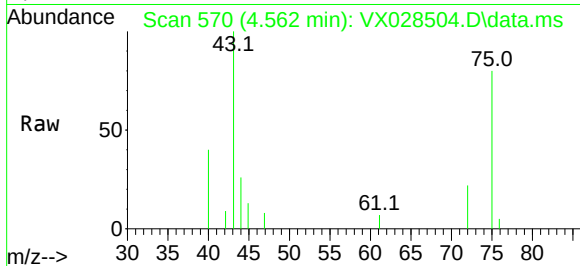




#25
2-Butanone
Concen: 1.253 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

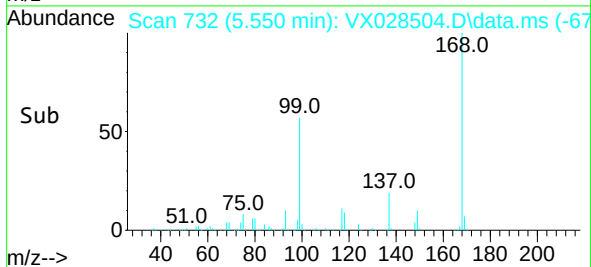
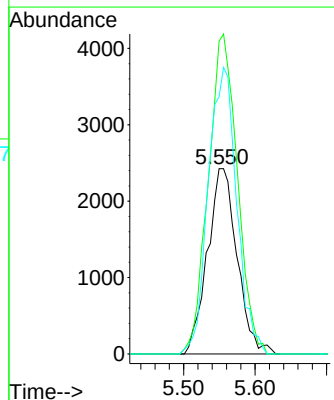
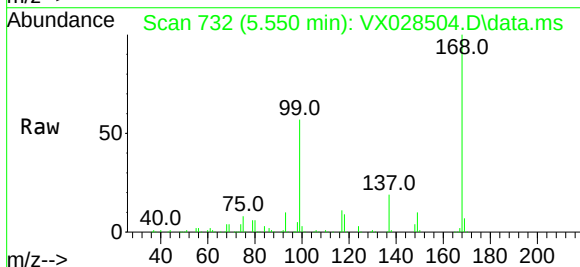
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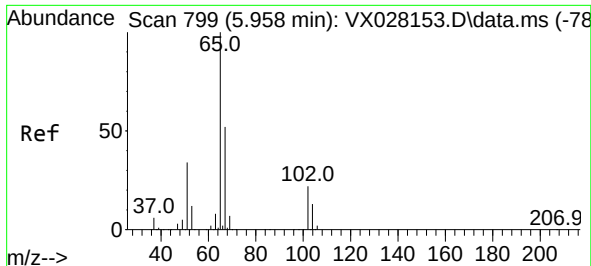
Tgt Ion: 43 Resp: 3447
Ion Ratio Lower Upper
43 100
72 21.5 24.4 36.6#



#31
Cyclohexane
Concen: 1.232 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Tgt Ion: 56 Resp: 6973
Ion Ratio Lower Upper
56 100
69 168.7 26.7 40.1#
84 138.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 56.741 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028504.D

Acq: 03 May 2022 16:16

Instrument :

MSVOA_X

ClientSampleId :

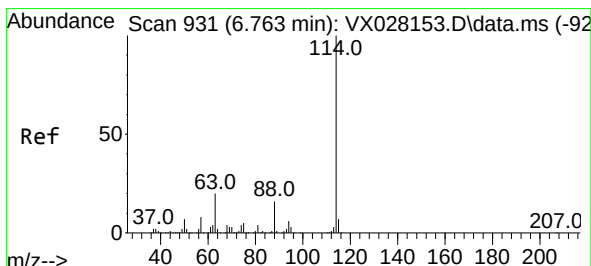
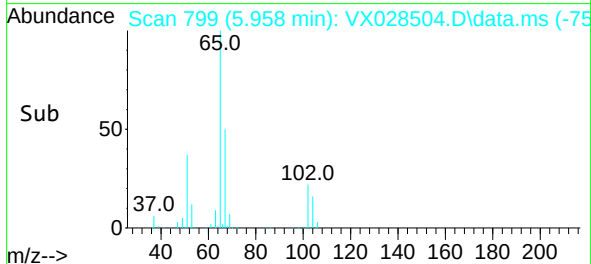
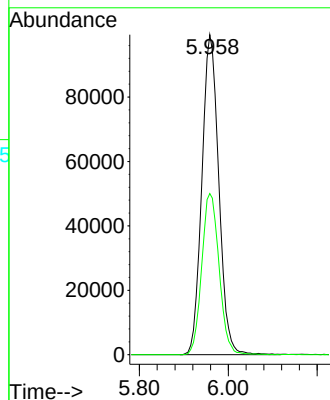
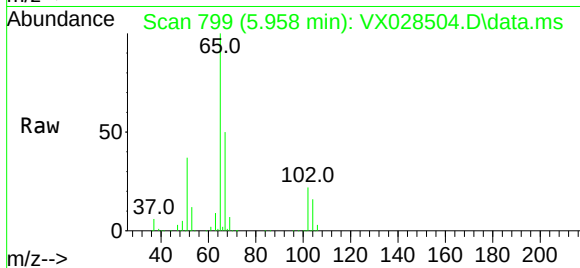
PB144525ZHE#01

Tgt Ion: 65 Resp: 263594

Ion Ratio Lower Upper

65 100

67 51.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028504.D

Acq: 03 May 2022 16:16

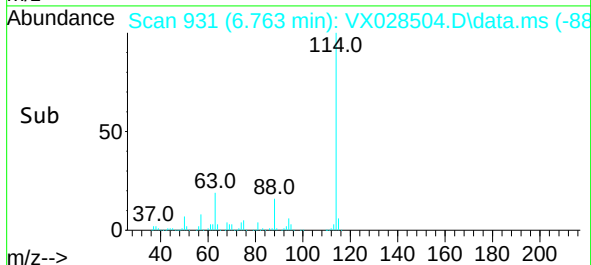
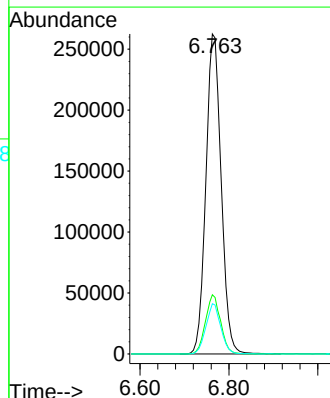
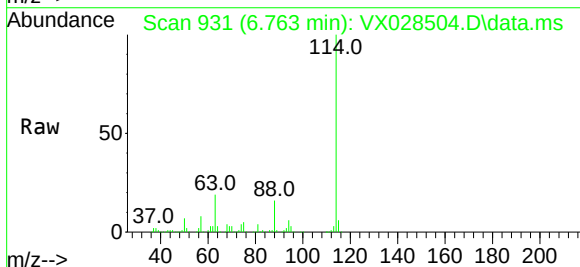
Tgt Ion: 114 Resp: 629463

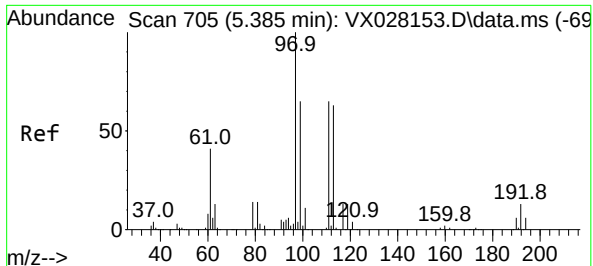
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.839 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028504.D

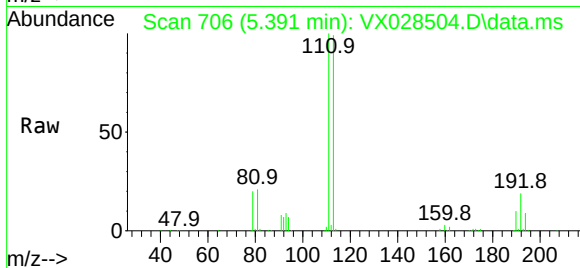
Acq: 03 May 2022 16:16

Instrument :

MSVOA_X

ClientSampleId :

PB144525ZHE#01



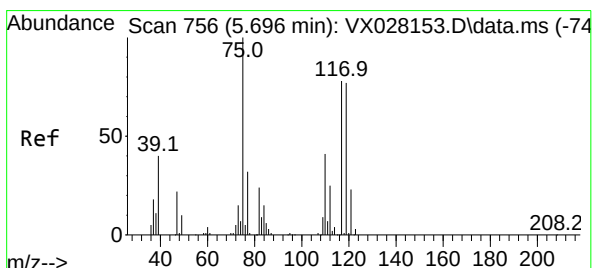
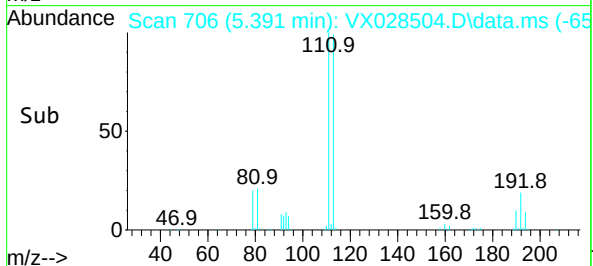
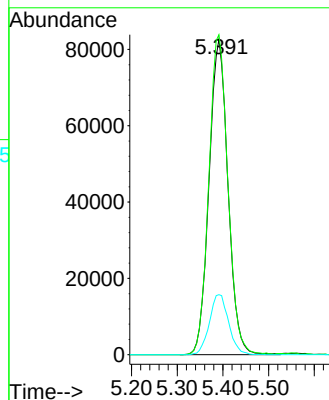
Tgt Ion:113 Resp: 237665

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 19.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.591 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028504.D

Acq: 03 May 2022 16:16

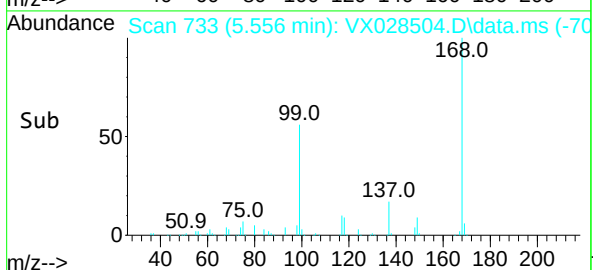
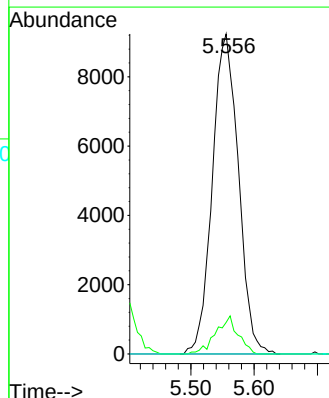
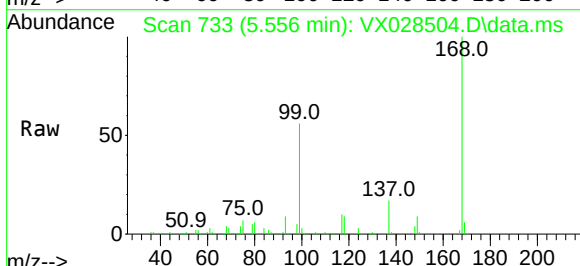
Tgt Ion: 75 Resp: 26437

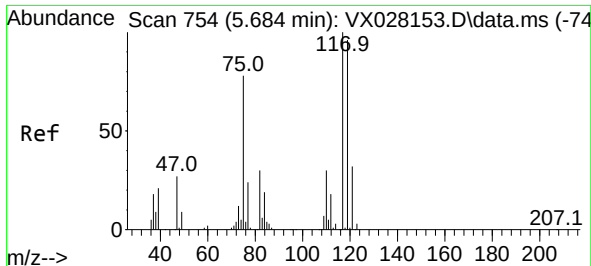
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

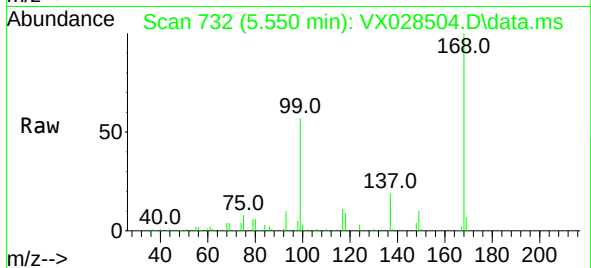
77 0.0 24.8 37.2#



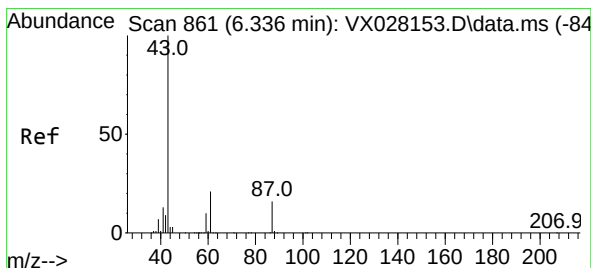
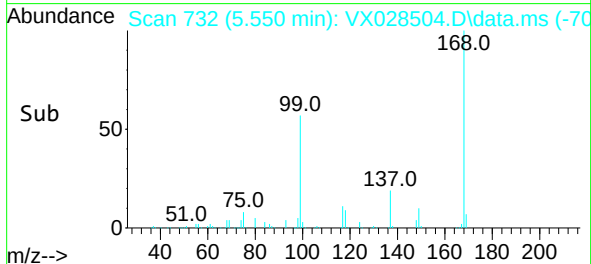
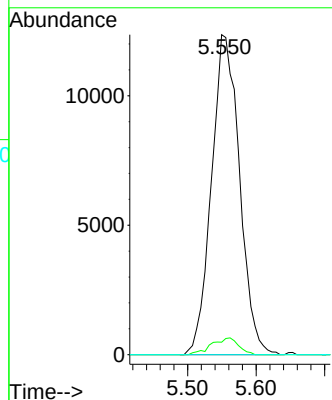


#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#01

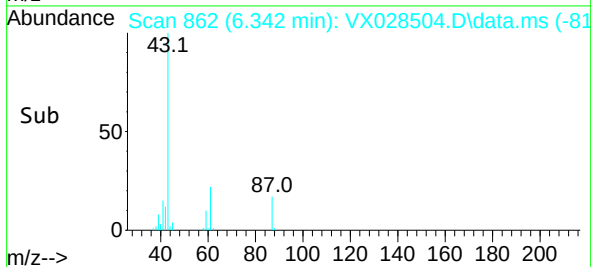
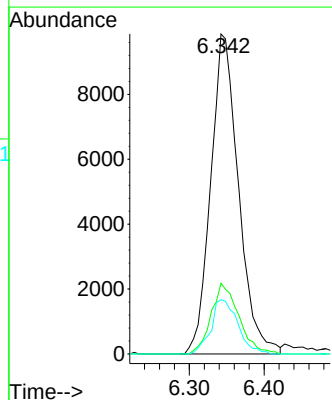
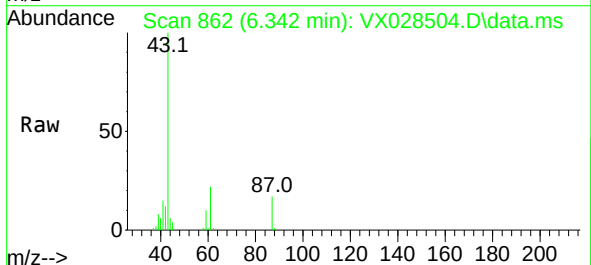


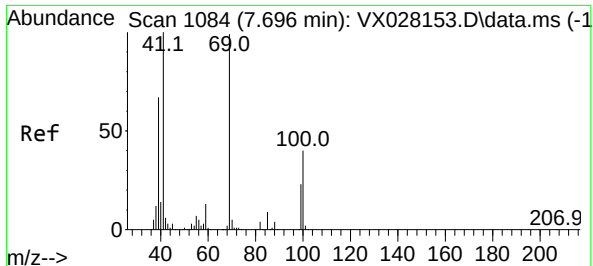
Tgt Ion:117 Resp: 35121
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.684 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

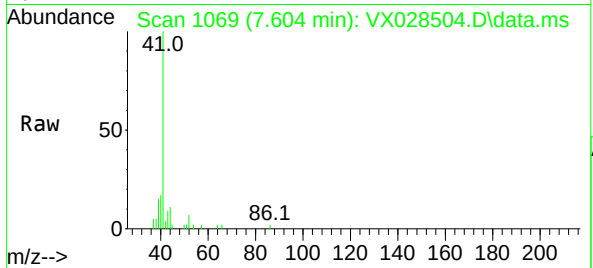
Tgt Ion: 43 Resp: 25519
Ion Ratio Lower Upper
43 100
61 22.0 18.5 27.7
87 16.4 13.0 19.6



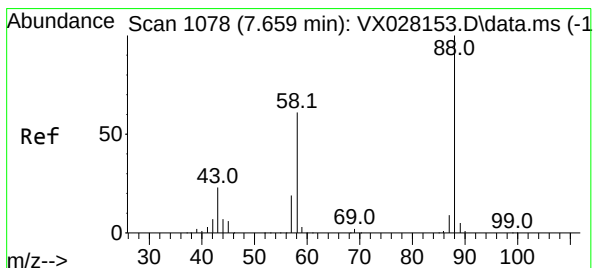
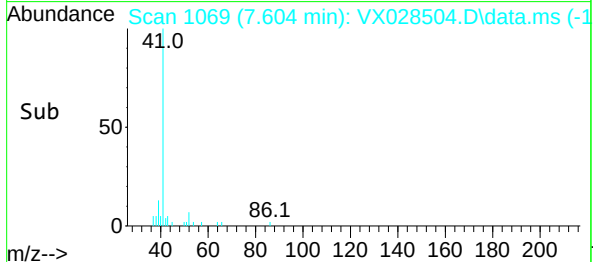
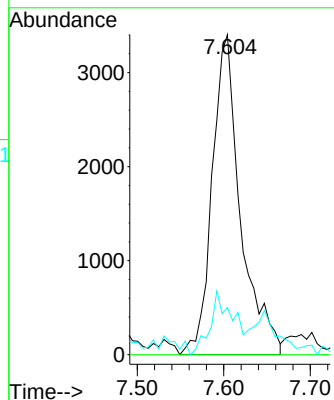


#48
Methyl methacrylate
Concen: 1.772 ug/l
RT: 7.604 min Scan# 1101
Delta R.T. -0.092 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#01

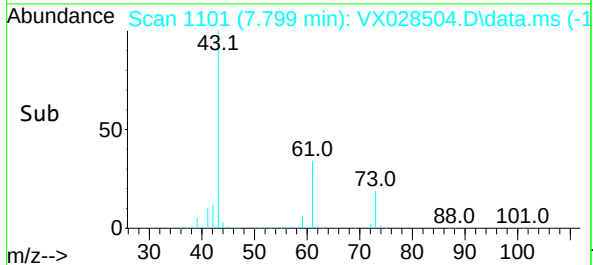
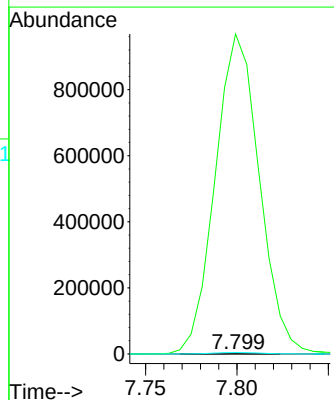
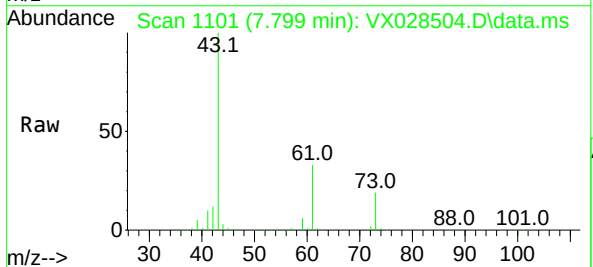


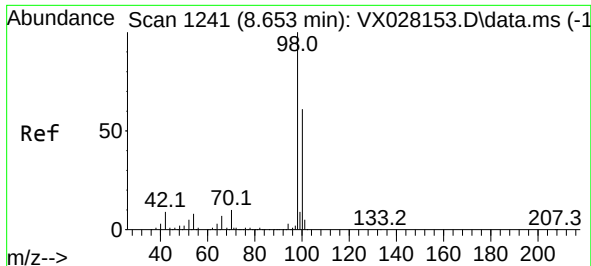
Tgt Ion: 41 Resp: 7738
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 3.048 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Tgt Ion: 88 Resp: 356
Ion Ratio Lower Upper
88 100
43 461042.1 21.9 32.9#
58 2240.7 53.7 80.5#

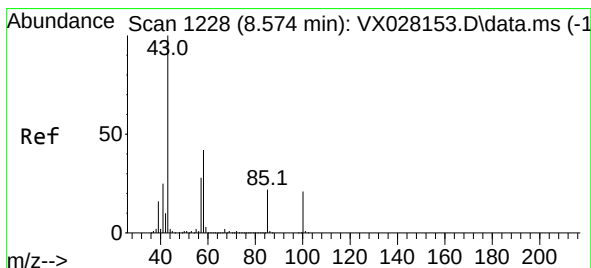
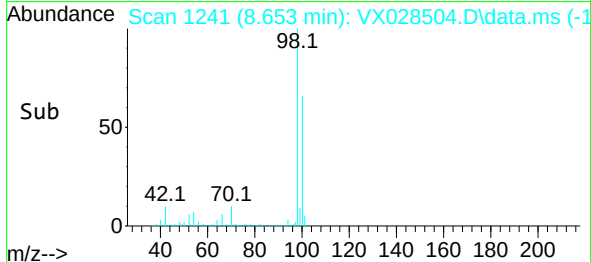
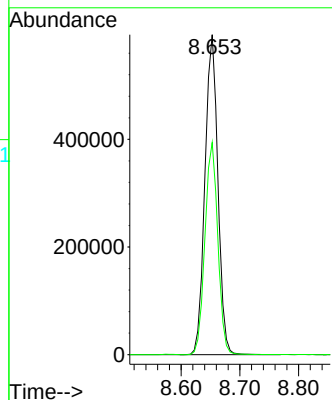
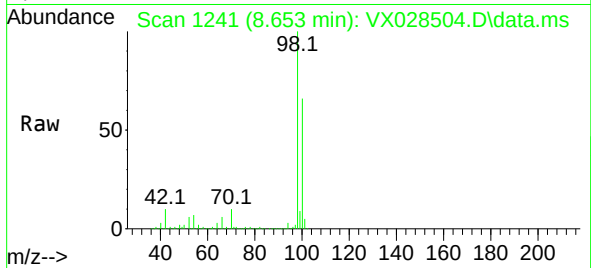




#50
Toluene-d8
Concen: 53.811 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

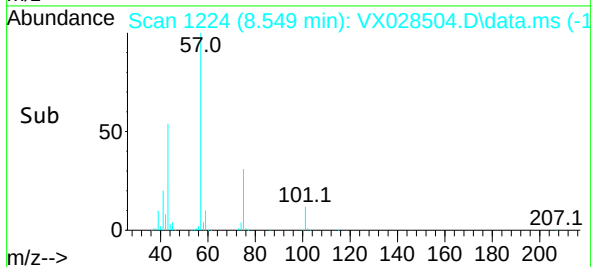
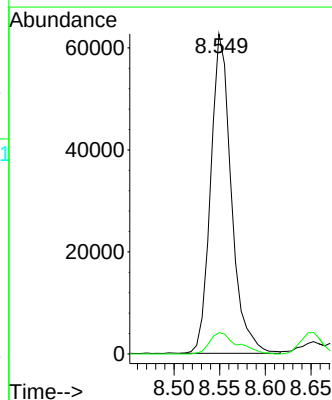
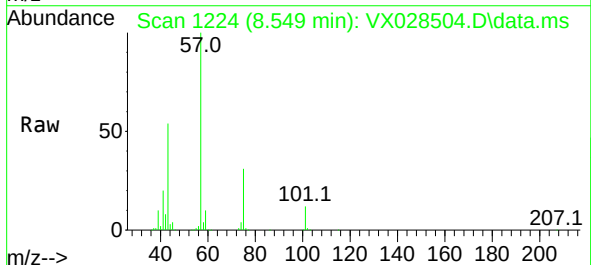
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#01

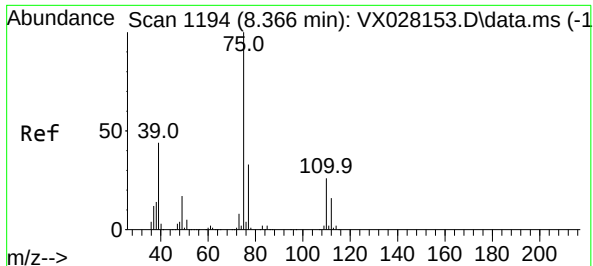
Tgt Ion: 98 Resp: 912349
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.090 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Tgt Ion: 43 Resp: 98183
Ion Ratio Lower Upper
43 100
58 8.9 36.1 54.1#

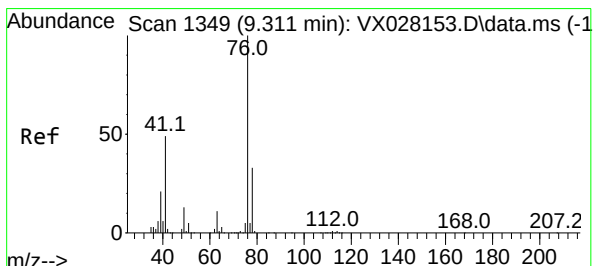
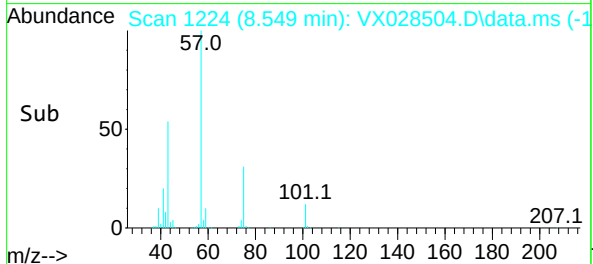
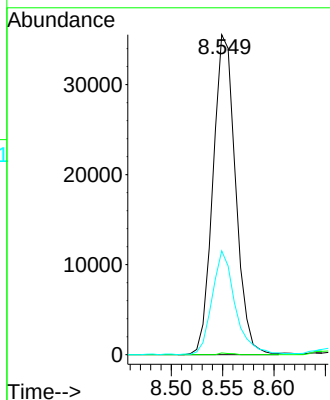
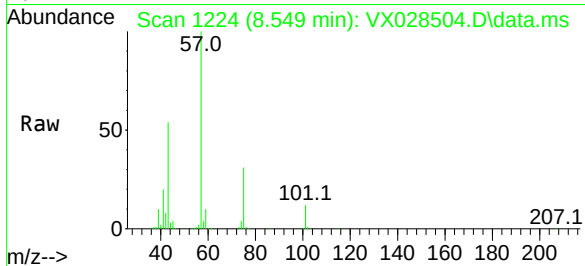




#54
cis-1,3-Dichloropropene
Concen: 7.632 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

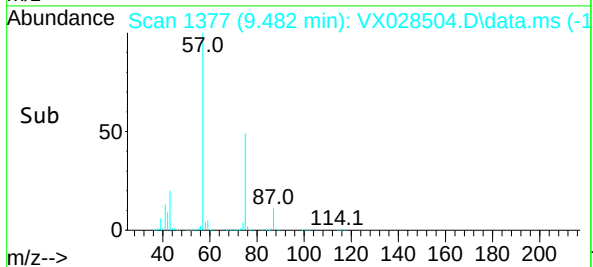
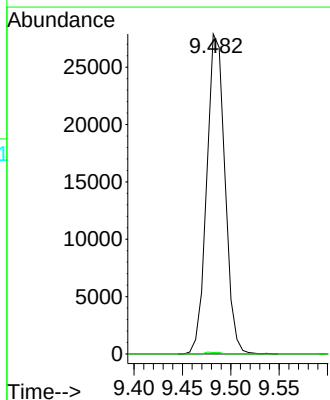
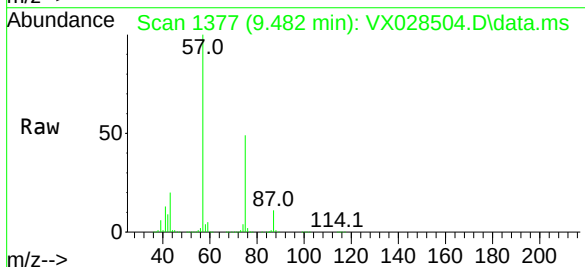
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#01

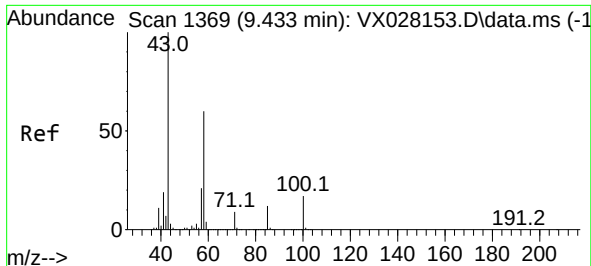
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.5	24.8	37.2#
39	32.4	29.6	44.4



#57
1,3-Dichloropropane
Concen: 4.766 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.4	25.8	38.8#

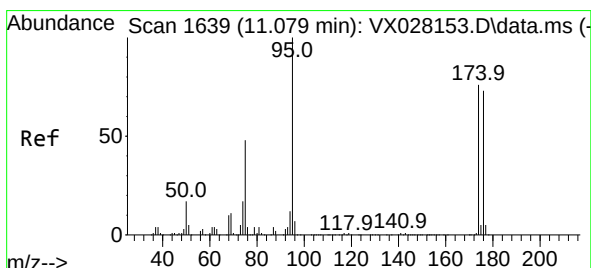
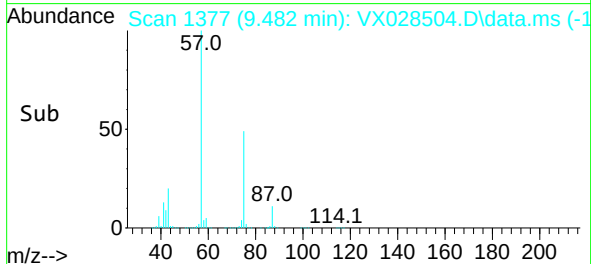
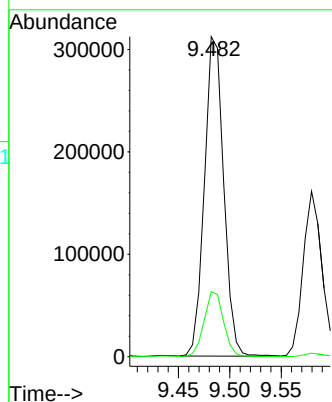
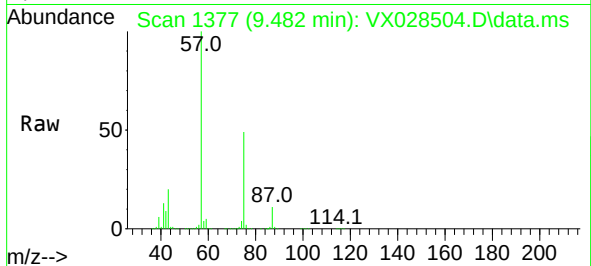




#59
2-Hexanone
Concen: 86.246 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

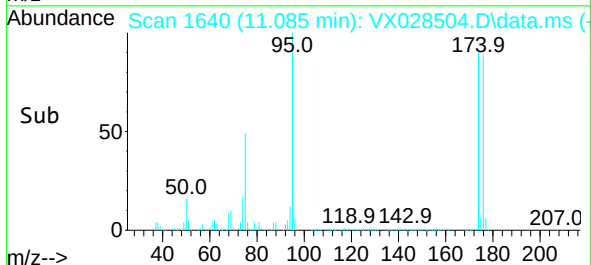
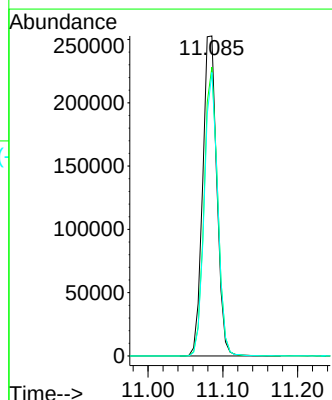
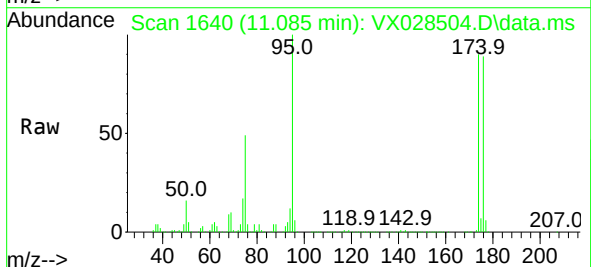
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#01

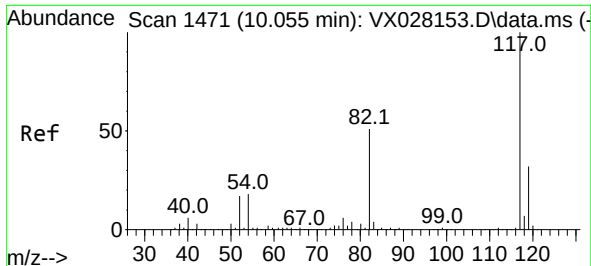
Tgt Ion: 43 Resp: 407665
Ion Ratio Lower Upper
43 100
58 20.5 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 51.190 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Tgt Ion: 95 Resp: 331851
Ion Ratio Lower Upper
95 100
174 86.3 0.0 163.0
176 84.0 0.0 155.0

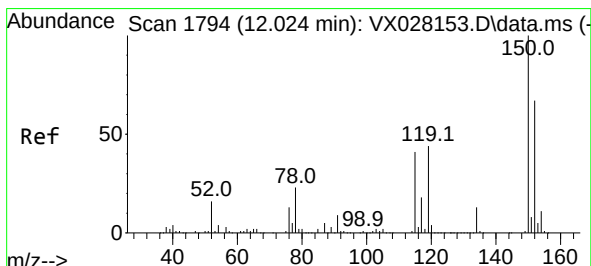
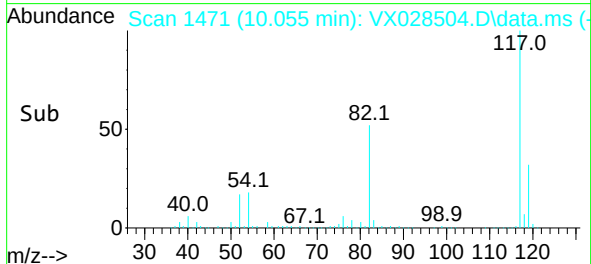
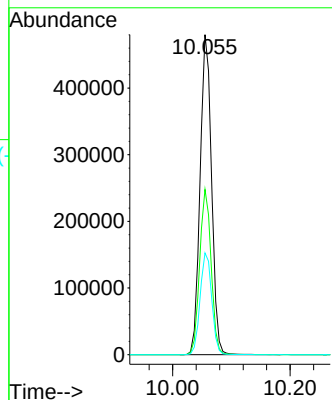
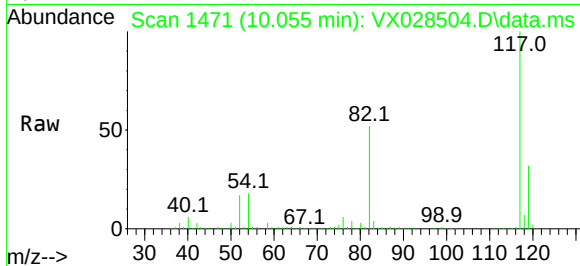




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

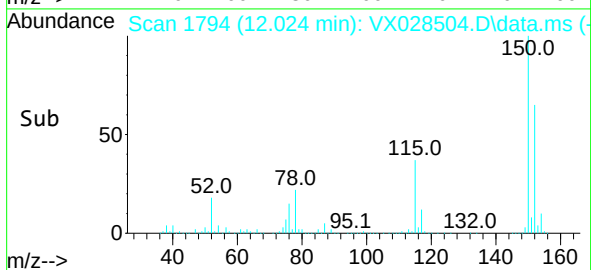
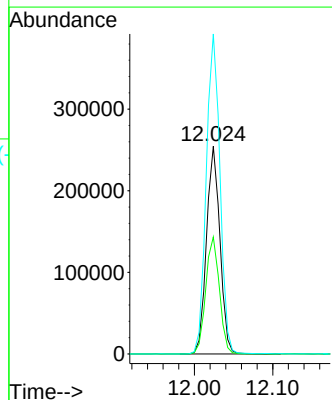
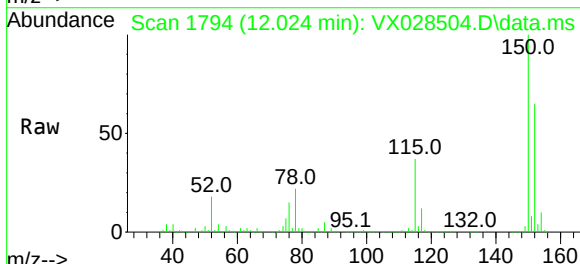
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#01

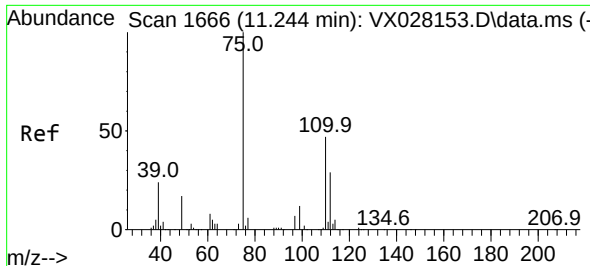
Tgt Ion:117 Resp: 650232
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.8
119 31.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Tgt Ion:152 Resp: 302476
Ion Ratio Lower Upper
152 100
115 57.2 37.5 112.7
150 157.1 0.0 338.2

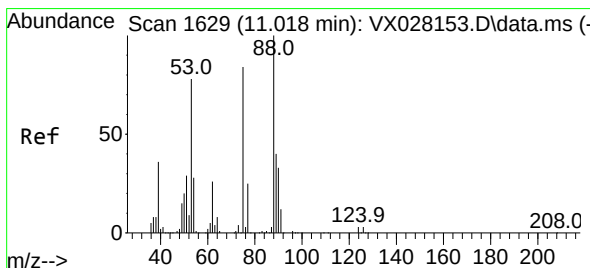
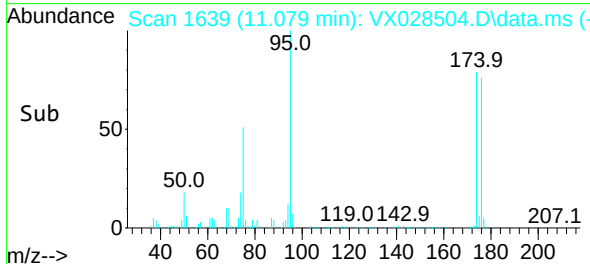
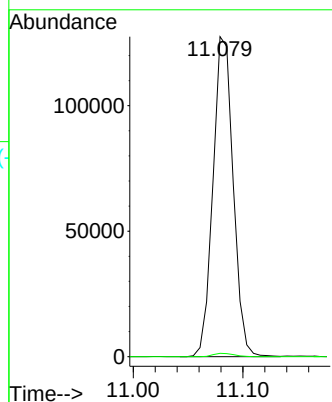
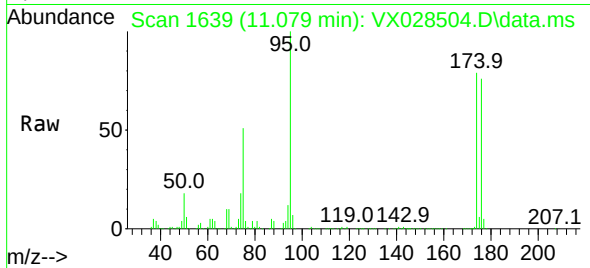




#76
1,2,3-Trichloropropane
Concen: 27.491 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#01

Tgt Ion: 75 Resp: 163650
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.695 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028504.D
Acq: 03 May 2022 16:16

Tgt Ion: 75 Resp: 163650
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

