

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102022\
 Data File : VX032272.D
 Acq On : 20 Oct 2022 18:47
 Operator : JC/MD
 Sample : PB148419TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148419TB

Quant Time: Oct 21 02:16:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

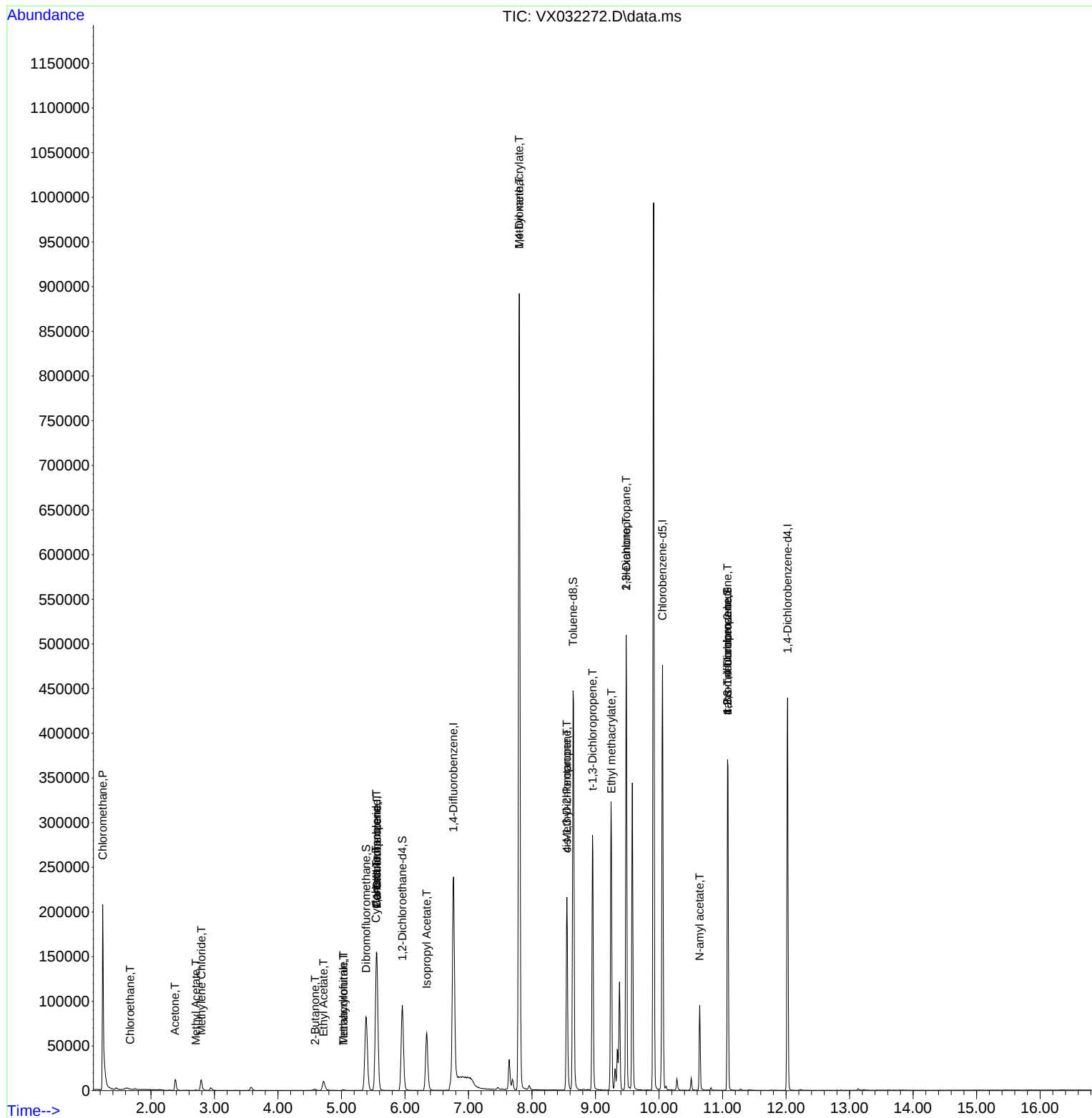
Internal Standards						
1) Pentafluorobenzene	5.556	168	143649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225779	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93291	49.922	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.840%		
35) Dibromofluoromethane	5.385	113	71017	45.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.400%		
50) Toluene-d8	8.647	98	269947	47.731	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.460%		
62) 4-Bromofluorobenzene	11.079	95	94284	45.526	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.060%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	4502	1.711	ug/l #	44
6) Chloroethane	1.673	64	131	2.042	ug/l #	41
11) Tert butyl alcohol	2.941	59	1937	Below Cal	#	74
16) Acetone	2.380	43	14585	24.050	ug/l	99
18) Methyl Acetate	2.709	43	790	0.384	ug/l #	69
20) Methylene Chloride	2.794	84	6015	3.863	ug/l	94
25) 2-Butanone	4.587	43	1627	1.718	ug/l #	86
29) Tetrahydrofuran	5.032	42	517	0.845	ug/l #	68
31) Cyclohexane	5.544	56	3367	1.576	ug/l #	21
36) 1,1-Dichloropropene	5.556	75	11657	5.768	ug/l #	49
37) Ethyl Acetate	4.715	43	18593	9.396	ug/l	100
38) Carbon Tetrachloride	5.550	117	15205	7.127	ug/l #	17
41) Methacrylonitrile	5.032	41	287	0.275	ug/l #	36
43) Isopropyl Acetate	6.342	43	86169	27.745	ug/l	98
48) Methyl methacrylate	7.799	41	81078	52.346	ug/l #	42
49) 1,4-Dioxane	7.799	88	91	2.927	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	74011	38.016	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	604	2.072	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32806	14.461	ug/l #	65
56) Ethyl methacrylate	9.250	69	708	0.319	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4415	1.768	ug/l #	42
59) 2-Hexanone	9.482	43	60839	41.881	ug/l #	50
74) N-amyl acetate	10.640	43	23254	9.977	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	52609	30.030	ug/l #	44
81) trans-1,4-Dichloro-2-b...	11.079	75	52609	91.896	ug/l #	6

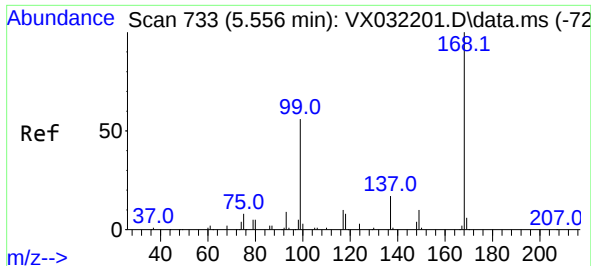
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 21 02:16:17 2022
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Quant Title : SW846 8260
QLast Update : Wed Oct 19 16:51:09 2022
Response via : Initial Calibration

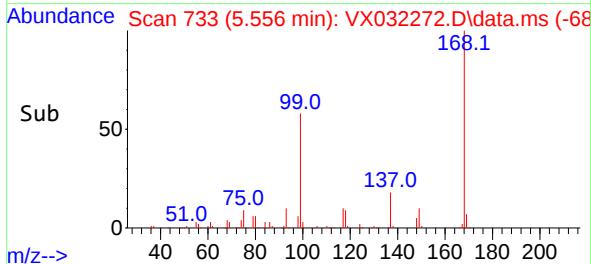
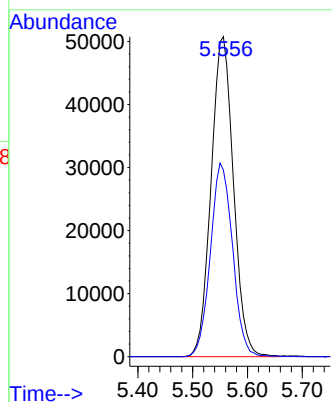
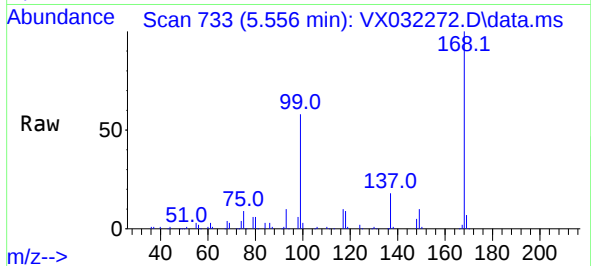




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

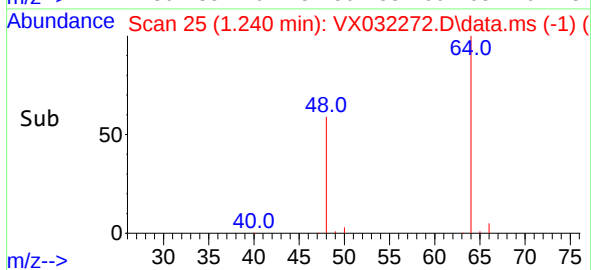
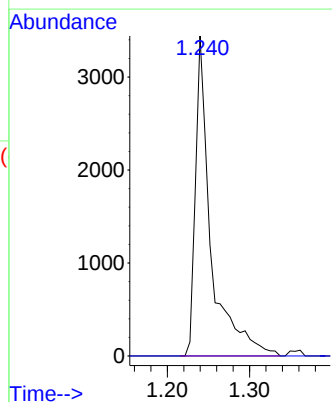
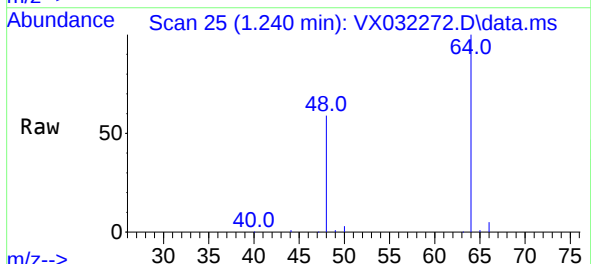
Instrument :
MSVOA_X
ClientSampleId :
PB148419TB

Tgt Ion:168 Resp: 143649
Ion Ratio Lower Upper
168 100
99 58.3 44.8 67.2

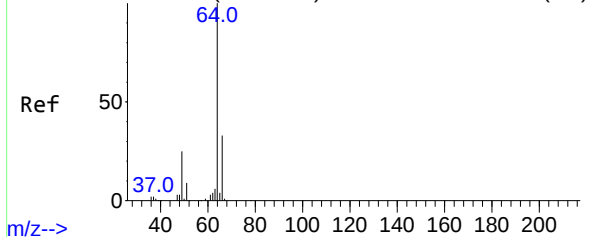


#3
Chloromethane
Concen: 1.711 ug/l
RT: 1.240 min Scan# 25
Delta R.T. -0.055 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Tgt Ion: 50 Resp: 4502
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



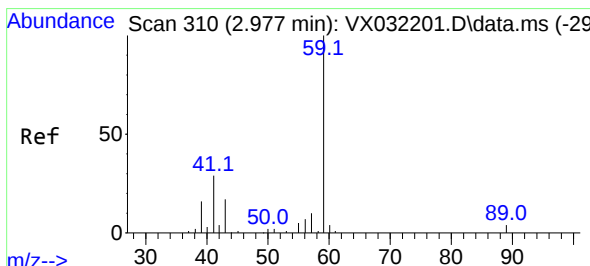
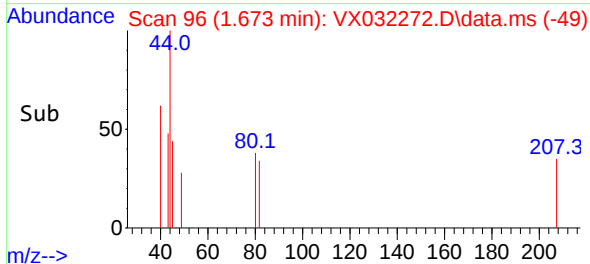
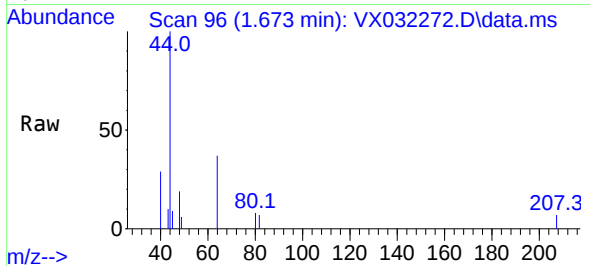
Abundance Scan 98 (1.685 min): VX032201.D\data.ms (-89)



#6
Chloroethane
Concen: 2.042 ug/l
RT: 1.673 min Scan# 90
Delta R.T. -0.012 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

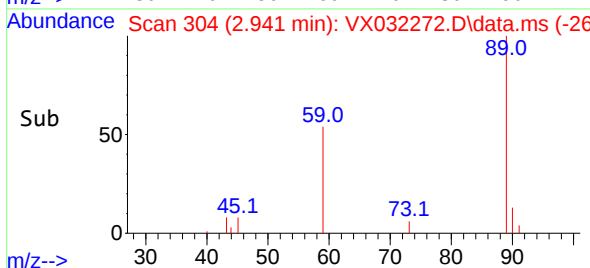
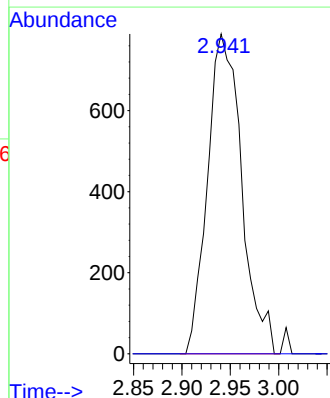
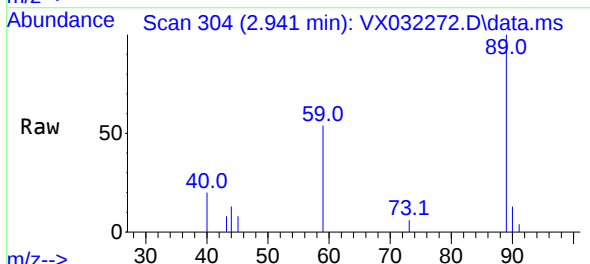
Instrument :
MSVOA_X
ClientSampleId :
PB148419TB

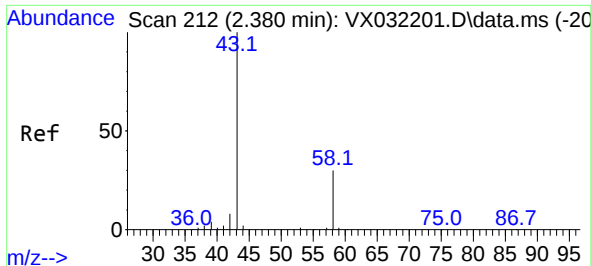
Tgt Ion: 64 Resp: 131
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Tgt Ion: 59 Resp: 1937
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

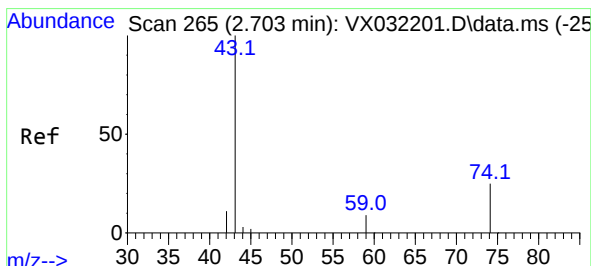
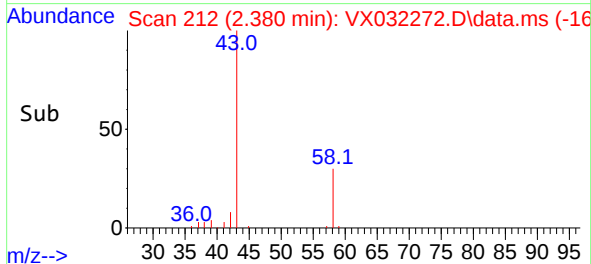
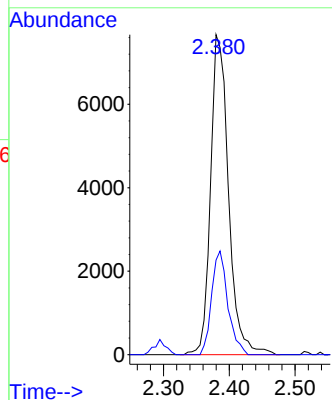
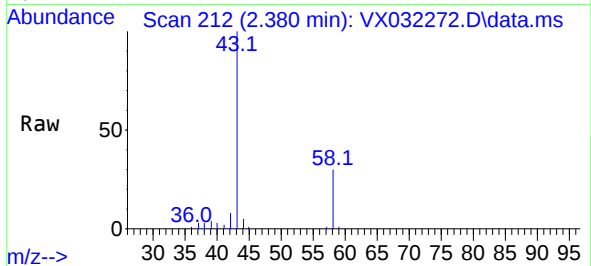




#16
Acetone
Concen: 24.050 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

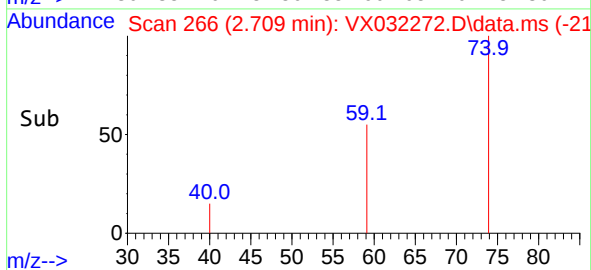
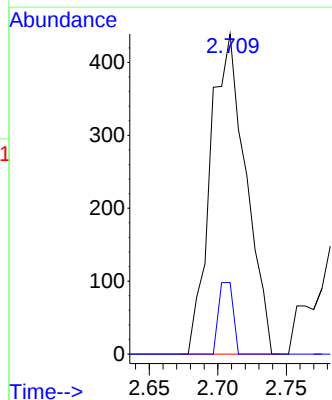
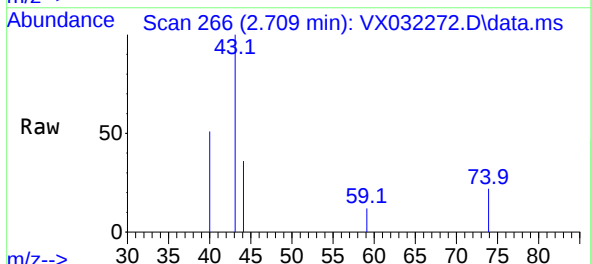
Instrument :
MSVOA_X
ClientSampleId :
PB148419TB

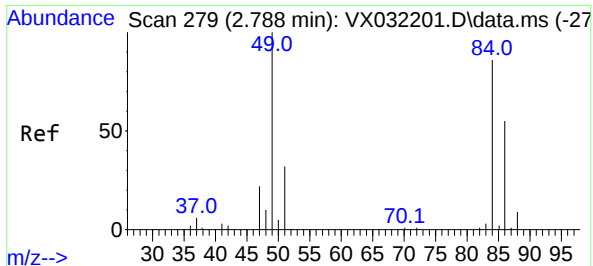
Tgt Ion: 43 Resp: 14585
Ion Ratio Lower Upper
43 100
58 29.5 24.2 36.2



#18
Methyl Acetate
Concen: 0.384 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
74 9.1 19.8 29.8#



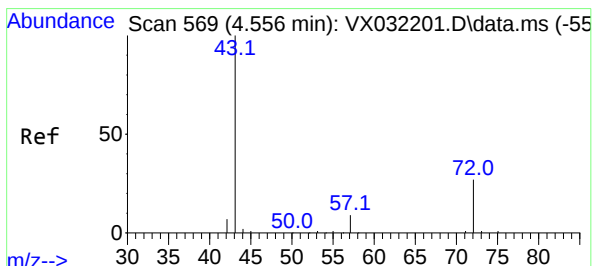
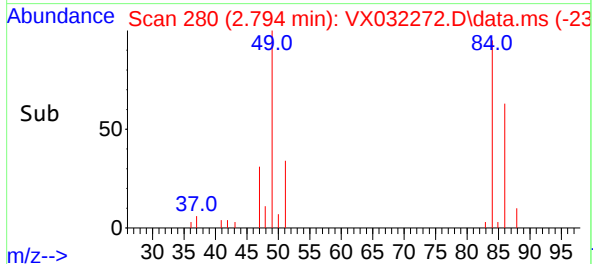
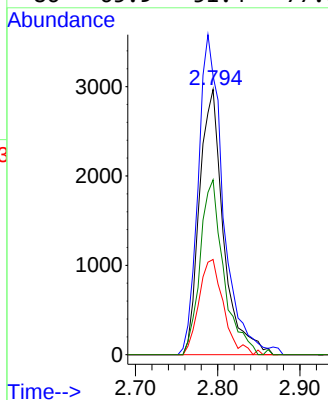
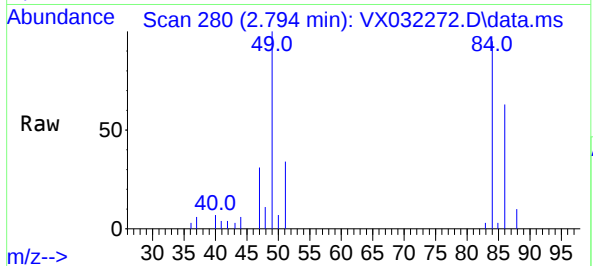


#20
Methylene Chloride
Concen: 3.863 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Instrument :
MSVOA_X
ClientSampleId :
PB148419TB

Tgt Ion: 84 Resp: 6015

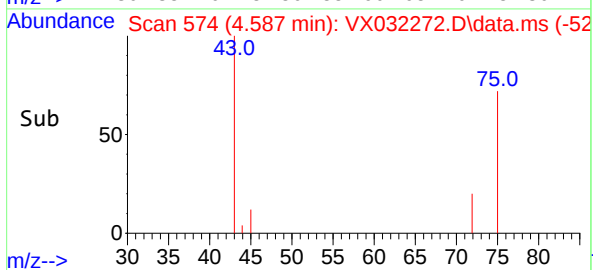
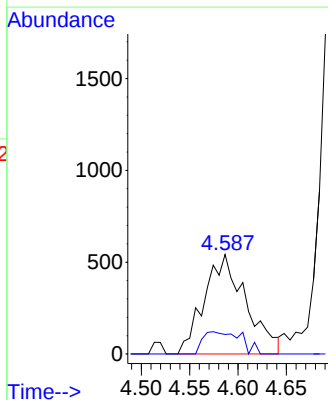
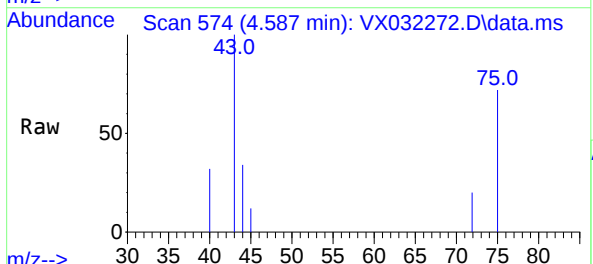
Ion	Ratio	Lower	Upper
84	100		
49	105.1	92.6	139.0
51	35.9	29.2	43.8
86	65.9	51.4	77.0

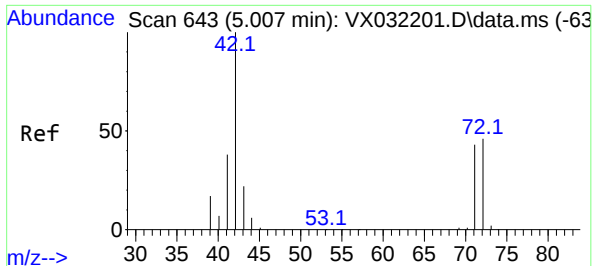


#25
2-Butanone
Concen: 1.718 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Tgt Ion: 43 Resp: 1627

Ion	Ratio	Lower	Upper
43	100		
72	19.7	21.7	32.5#

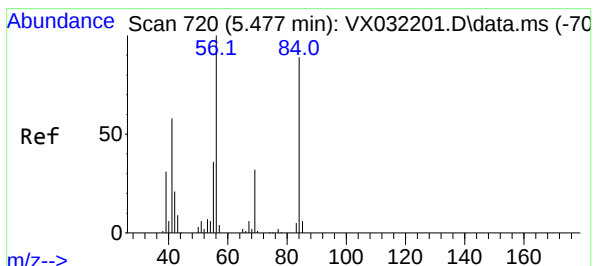
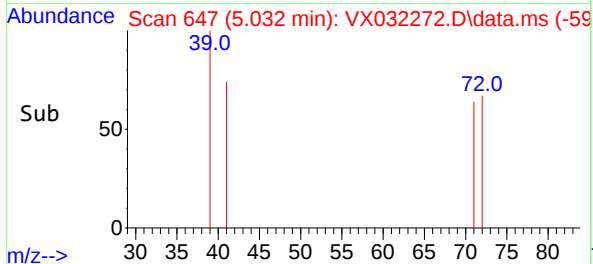
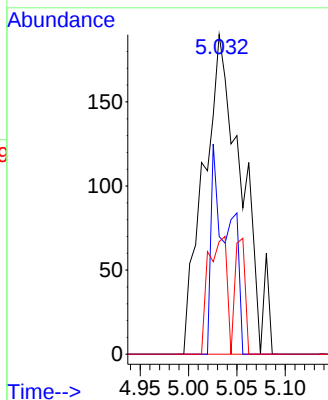
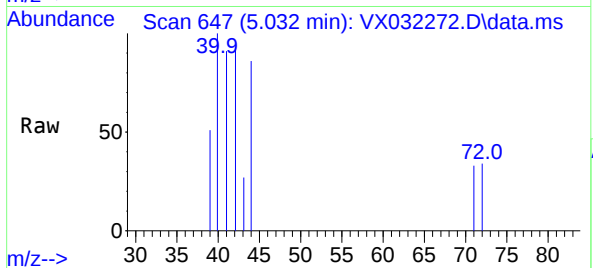




#29
Tetrahydrofuran
Concen: 0.845 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.025 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

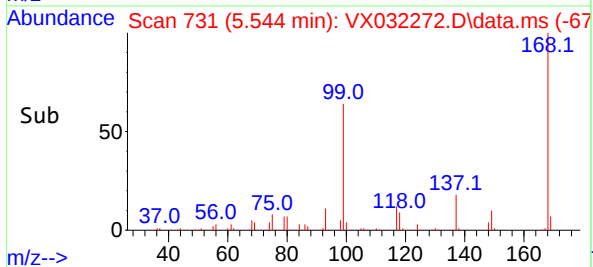
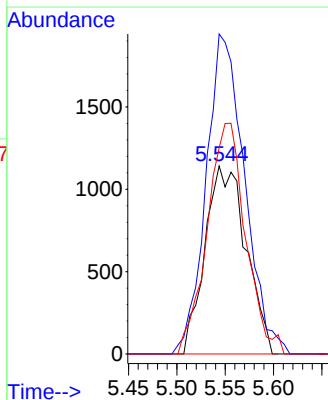
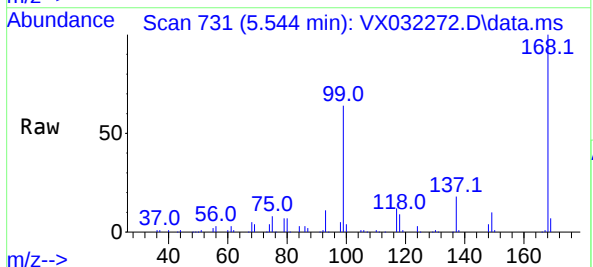
Instrument :
MSVOA_X
ClientSampleId :
PB148419TB

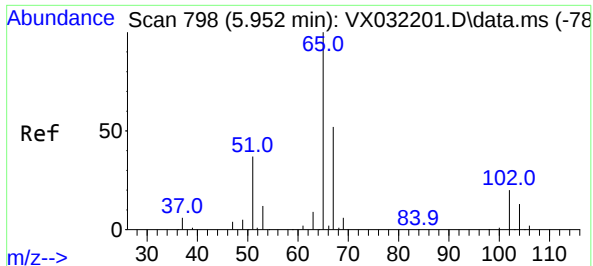
Tgt Ion: 42 Resp: 517
Ion Ratio Lower Upper
42 100
72 30.0 37.5 56.3#
71 18.0 34.7 52.1#



#31
Cyclohexane
Concen: 1.576 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.067 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Tgt Ion: 56 Resp: 3367
Ion Ratio Lower Upper
56 100
69 165.4 25.4 38.0#
84 109.5 71.2 106.8#





#33

1,2-Dichloroethane-d4

Concen: 49.922 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032272.D

Acq: 20 Oct 2022 18:47

Instrument :

MSVOA_X

ClientSampleId :

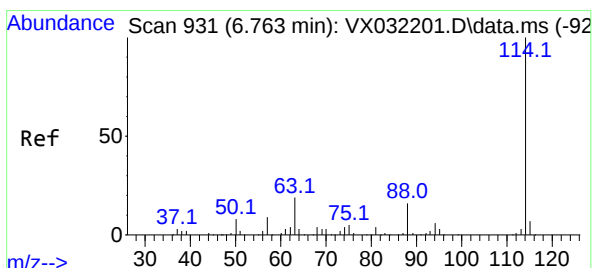
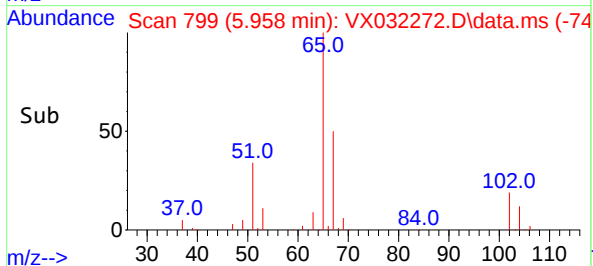
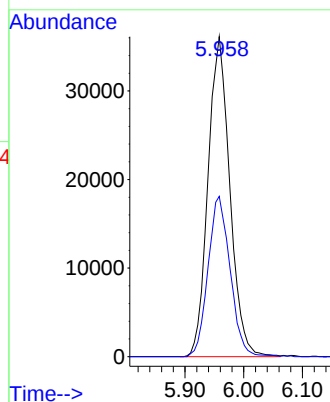
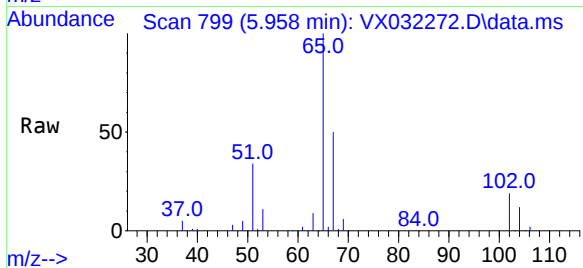
PB148419TB

Tgt Ion: 65 Resp: 93291

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032272.D

Acq: 20 Oct 2022 18:47

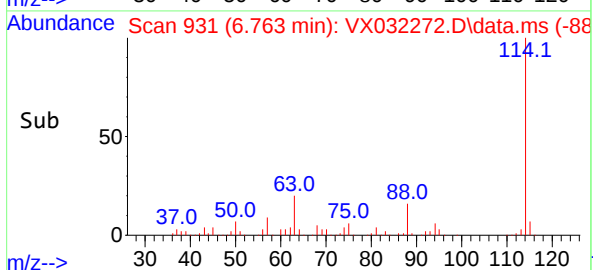
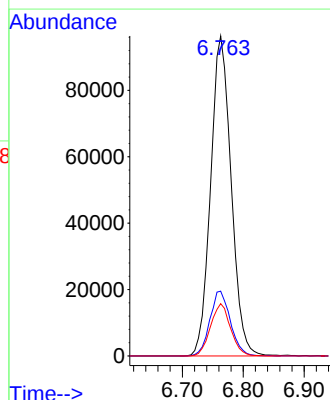
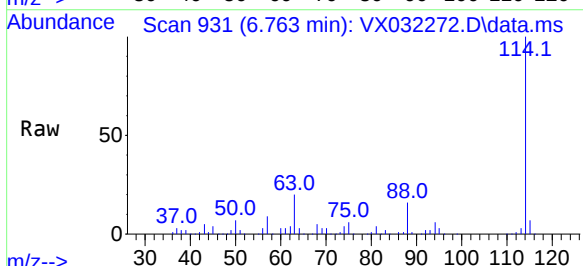
Tgt Ion: 114 Resp: 225779

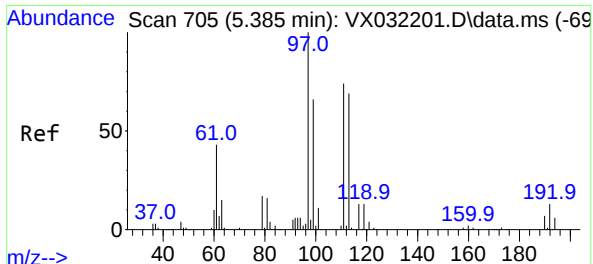
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.6

88 16.3 0.0 32.6



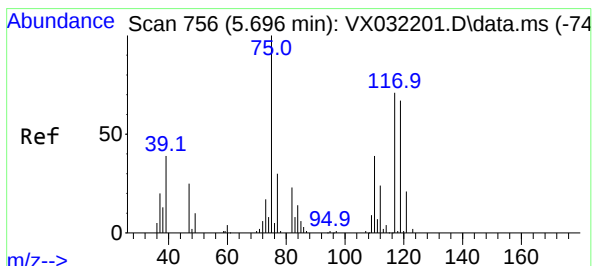
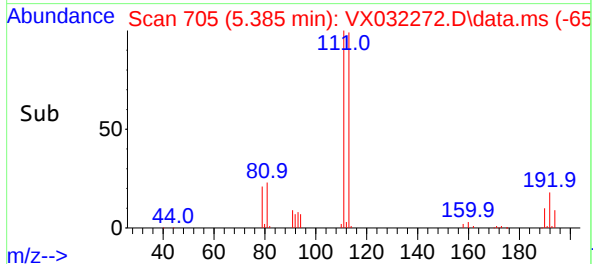
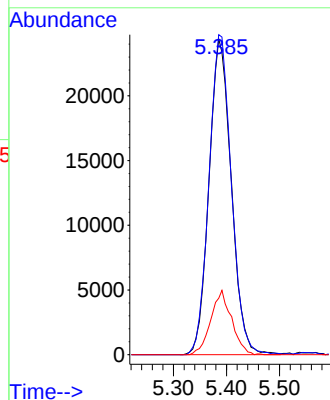
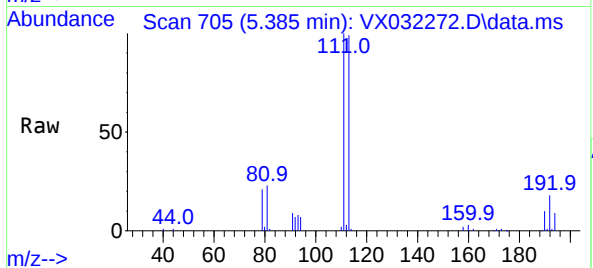


#35
Dibromofluoromethane
Concen: 45.201 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Instrument :
MSVOA_X
ClientSampleId :
PB148419TB

Tgt Ion: 113 Resp: 71017

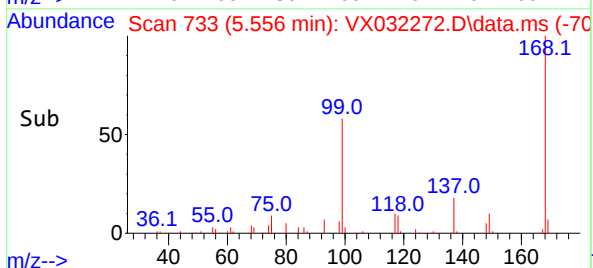
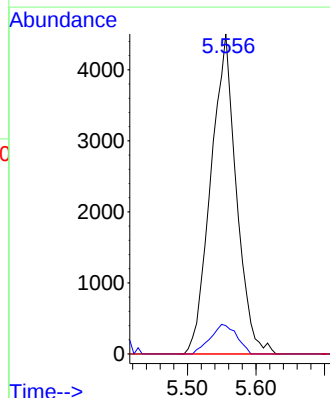
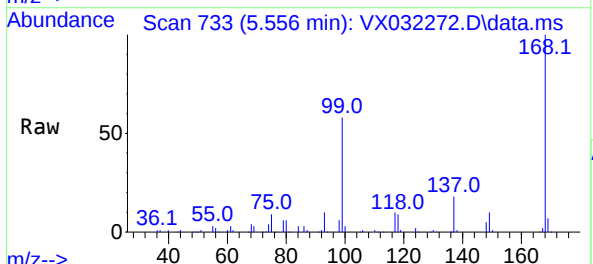
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.8	124.2
192	19.1	15.5	23.3

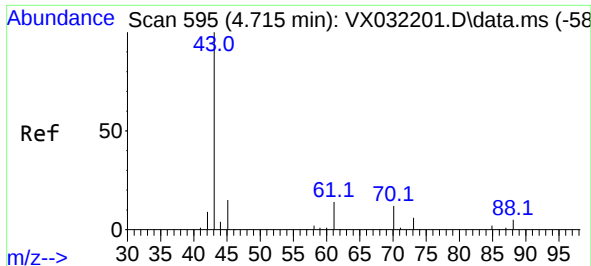


#36
1,1-Dichloropropene
Concen: 5.768 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Tgt Ion: 75 Resp: 11657

Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.4	55.0#
77	0.0	24.7	37.1#

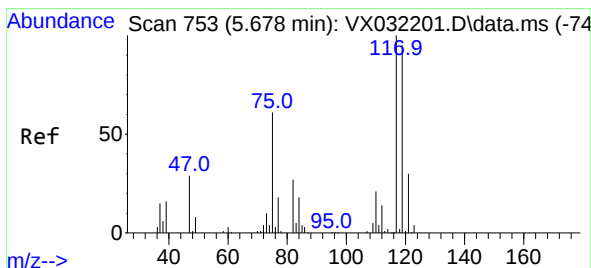
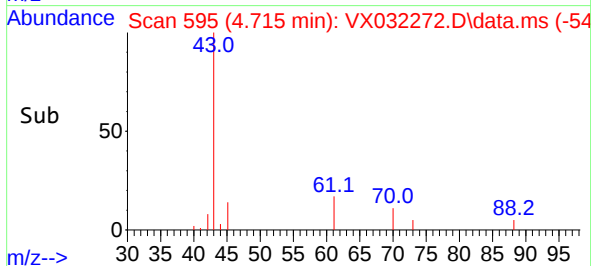
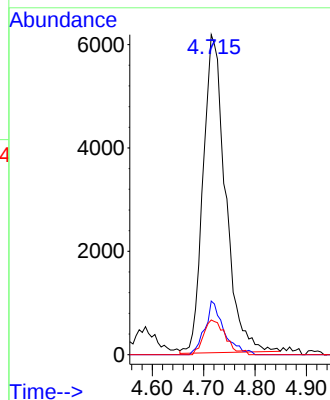
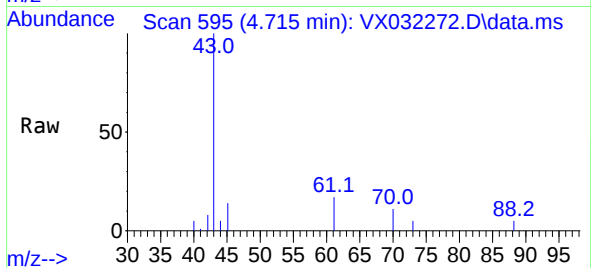




#37
Ethyl Acetate
Concen: 9.396 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

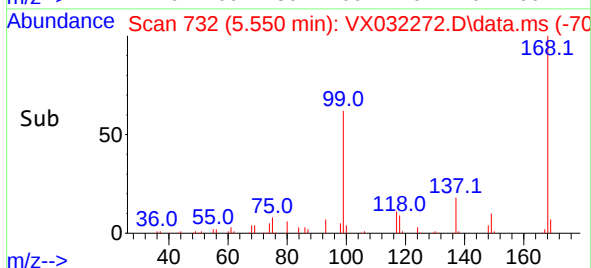
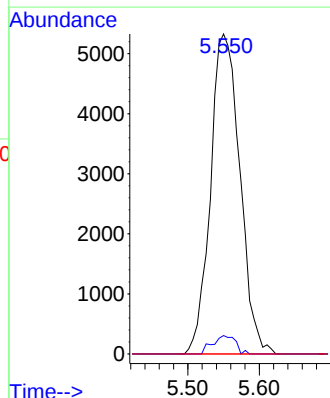
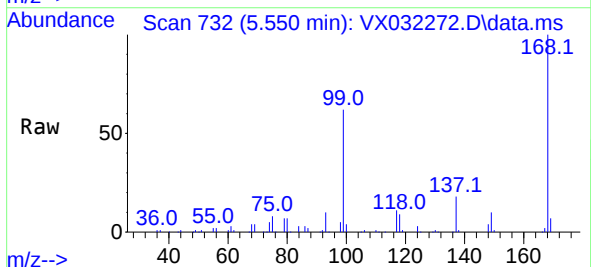
Instrument :
MSVOA_X
ClientSampleId :
PB148419TB

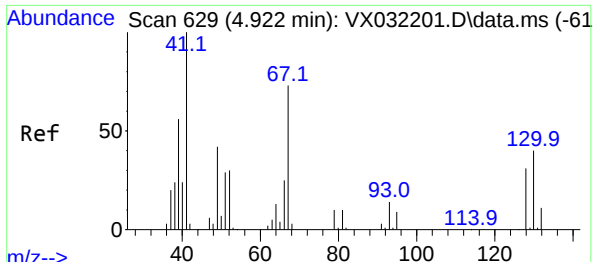
Tgt Ion:	43	Resp:	18593
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.4	17.2
70	10.6	8.8	13.2



#38
Carbon Tetrachloride
Concen: 7.127 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Tgt Ion:	117	Resp:	15205
Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.4	113.0#
121	0.0	23.9	35.9#



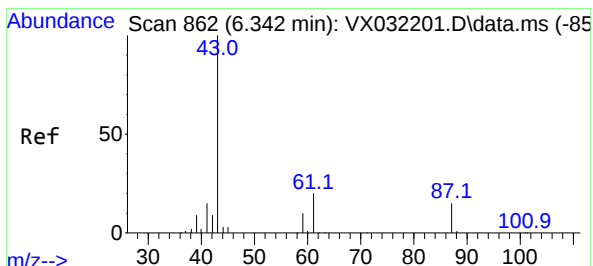
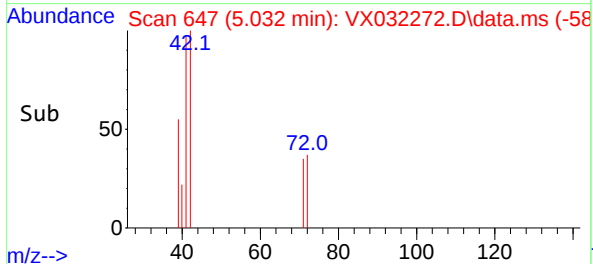
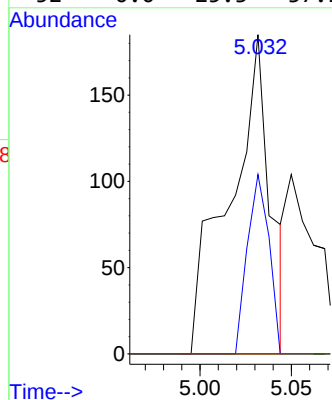
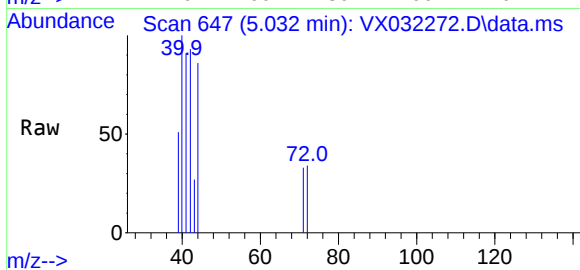


#41
Methacrylonitrile
Concen: 0.275 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Instrument :
MSVOA_X
ClientSampleId :
PB148419TB

Tgt Ion: 41 Resp: 287

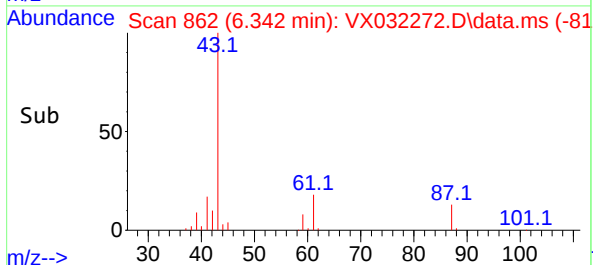
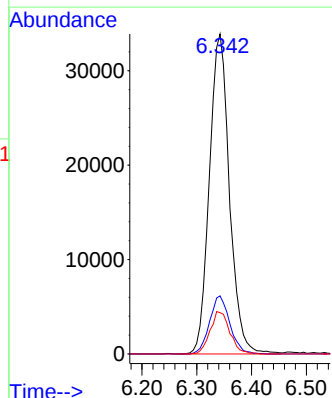
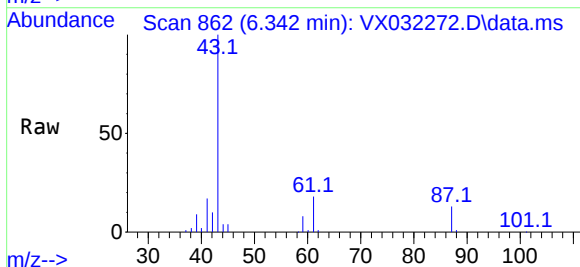
Ion	Ratio	Lower	Upper
41	100		
39	29.6	45.5	68.3#
67	0.0	59.4	89.2#
52	0.0	25.3	37.9#

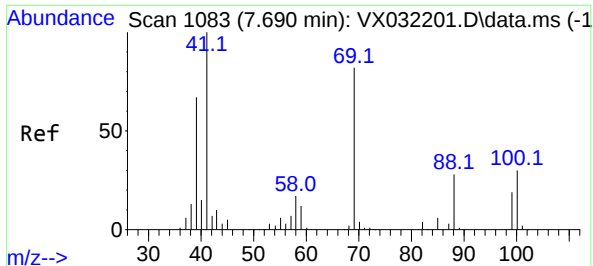


#43
Isopropyl Acetate
Concen: 27.745 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Tgt Ion: 43 Resp: 86169

Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.5	23.3
87	13.0	11.0	16.6

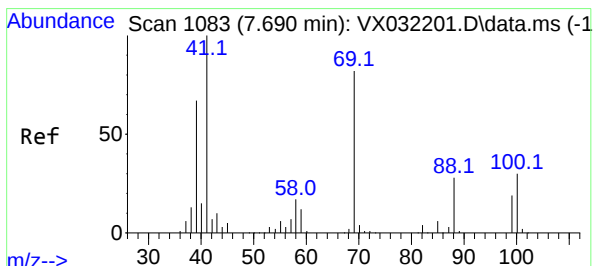
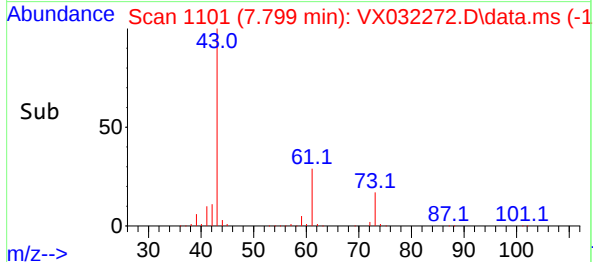
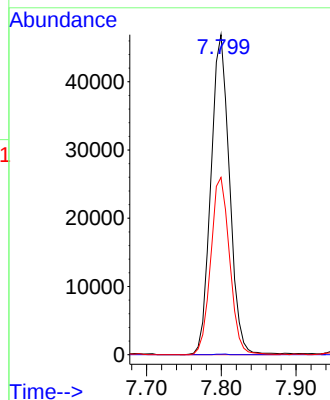
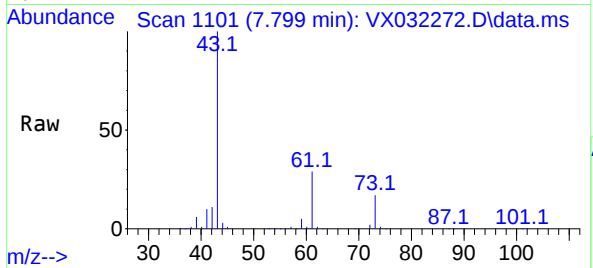




#48
Methyl methacrylate
Concen: 52.346 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

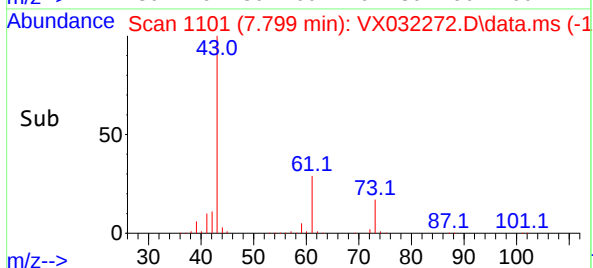
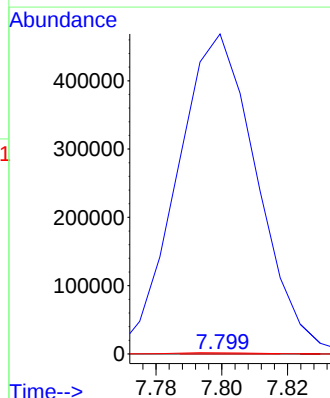
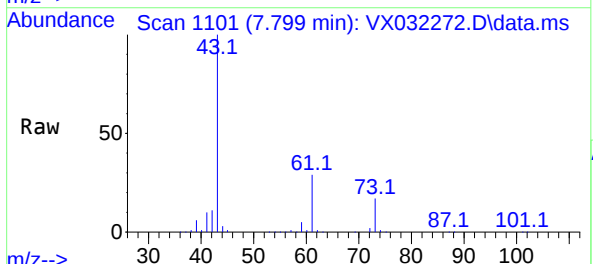
Instrument :
MSVOA_X
ClientSampleId :
PB148419TB

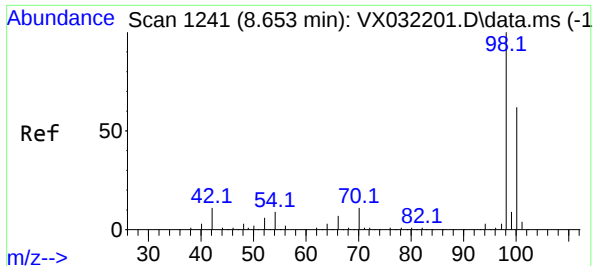
Tgt Ion: 41 Resp: 81078
Ion Ratio Lower Upper
41 100
69 0.1 67.3 100.9#
39 56.2 53.8 80.8



#49
1,4-Dioxane
Concen: 2.927 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 881705.5 26.9 40.3#
58 3579.1 50.7 76.1#





#50

Toluene-d8

Concen: 47.731 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032272.D

Acq: 20 Oct 2022 18:47

Instrument :

MSVOA_X

ClientSampleId :

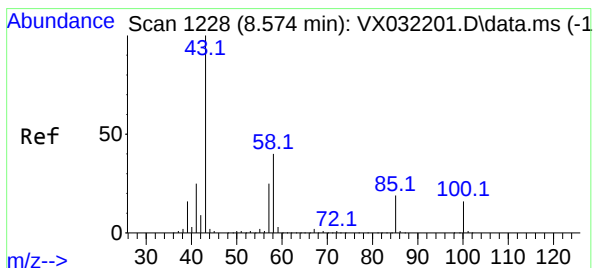
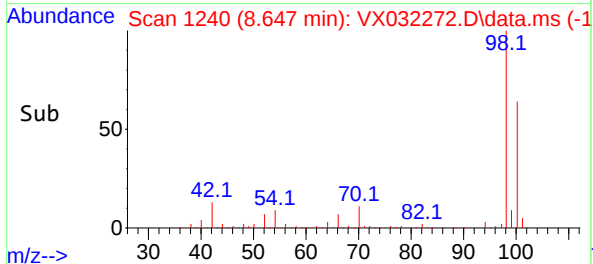
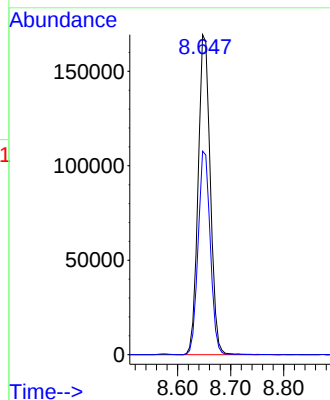
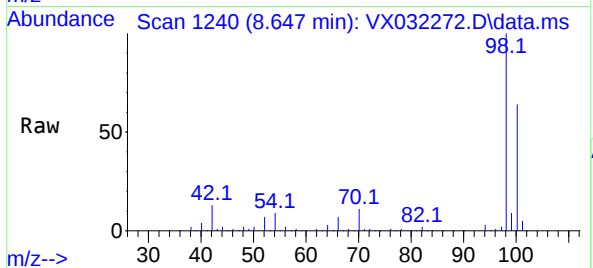
PB148419TB

Tgt Ion: 98 Resp: 269947

Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 38.016 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX032272.D

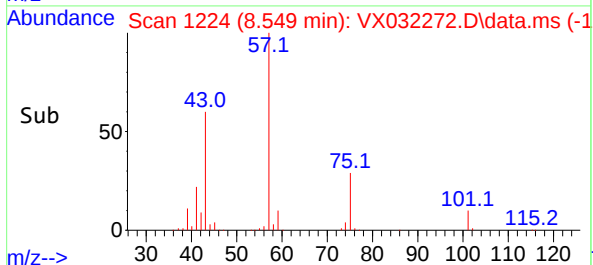
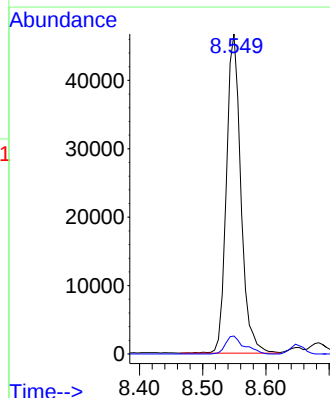
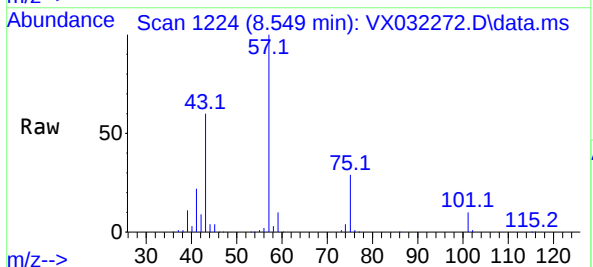
Acq: 20 Oct 2022 18:47

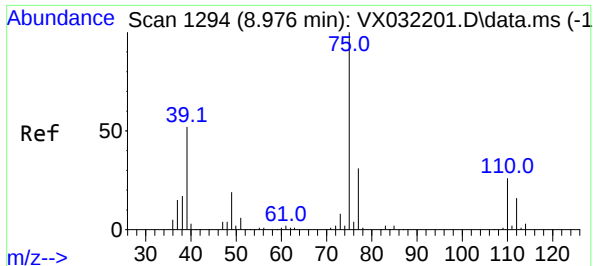
Tgt Ion: 43 Resp: 74011

Ion Ratio Lower Upper

43 100

58 7.2 31.0 46.4#

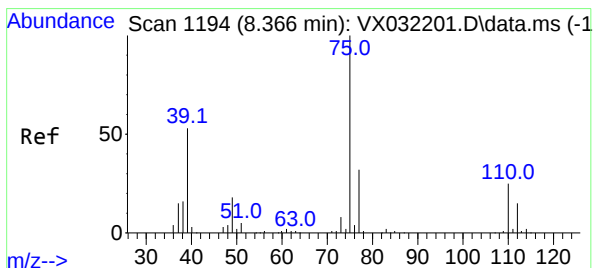
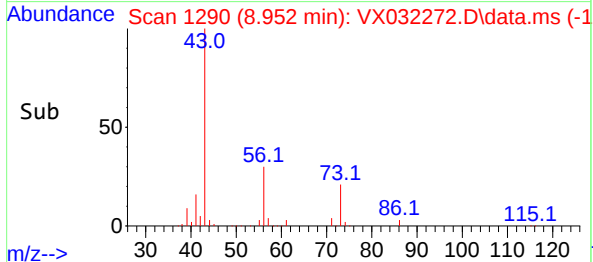
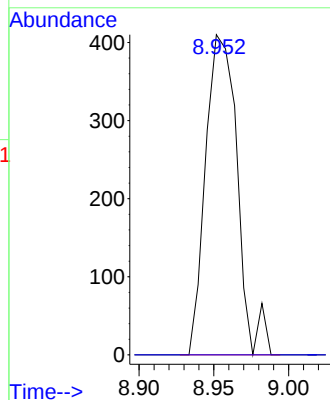
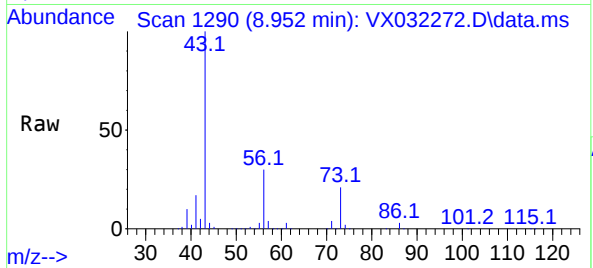




#53
 t-1,3-Dichloropropene
 Concen: 2.072 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX032272.D
 Acq: 20 Oct 2022 18:47

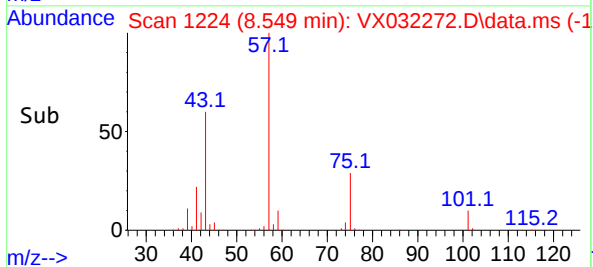
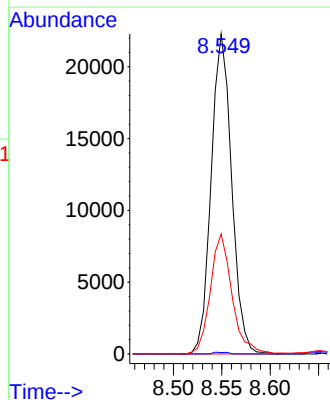
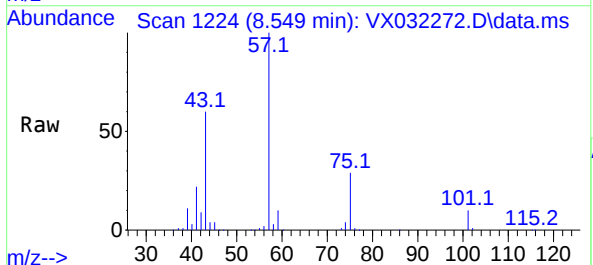
Instrument :
 MSVOA_X
 ClientSampleId :
 PB148419TB

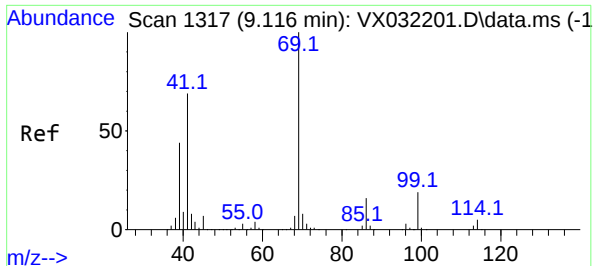
Tgt Ion: 75 Resp: 604
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#



#54
 cis-1,3-Dichloropropene
 Concen: 14.461 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX032272.D
 Acq: 20 Oct 2022 18:47

Tgt Ion: 75 Resp: 32806
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 37.4 42.4 63.6#

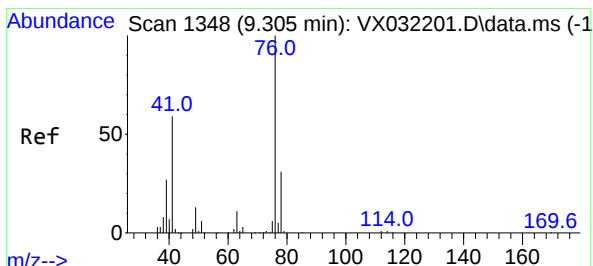
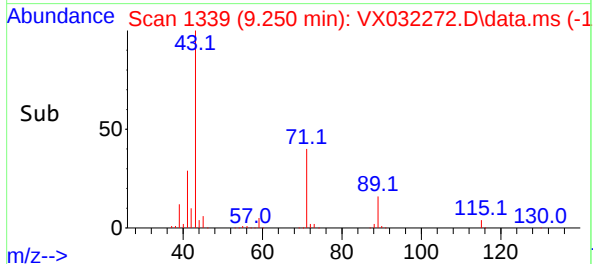
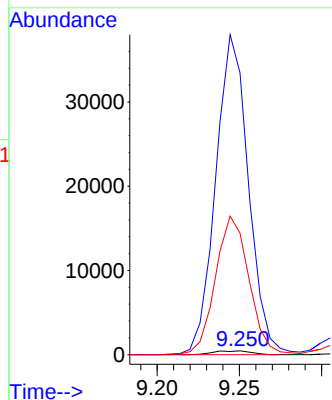
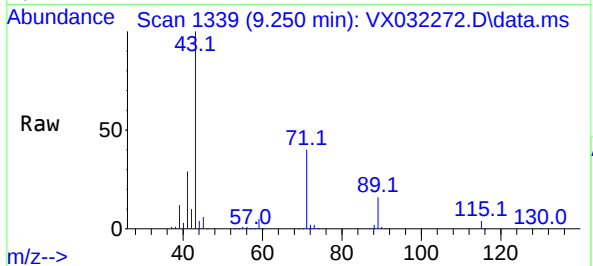




#56
Ethyl methacrylate
Concen: 0.319 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

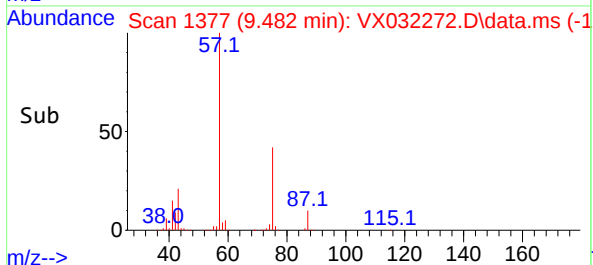
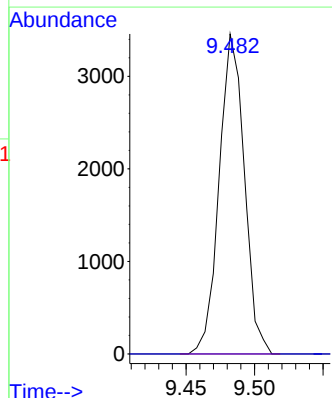
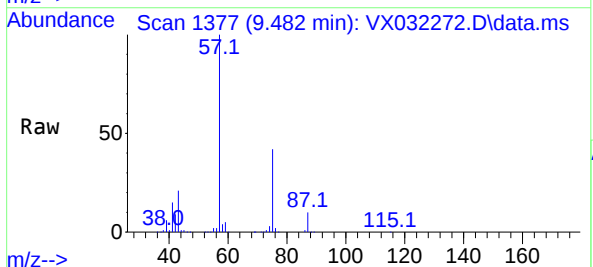
Instrument :
MSVOA_X
ClientSampleId :
PB148419TB

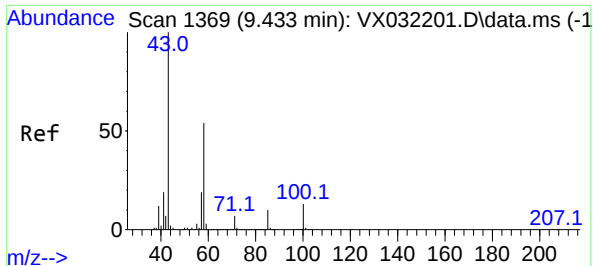
Tgt Ion: 69 Resp: 708
Ion Ratio Lower Upper
69 100
41 7457.9 54.5 81.7#
39 3293.9 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 1.768 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Tgt Ion: 76 Resp: 4415
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 41.881 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX032272.D

Acq: 20 Oct 2022 18:47

Instrument :

MSVOA_X

ClientSampleId :

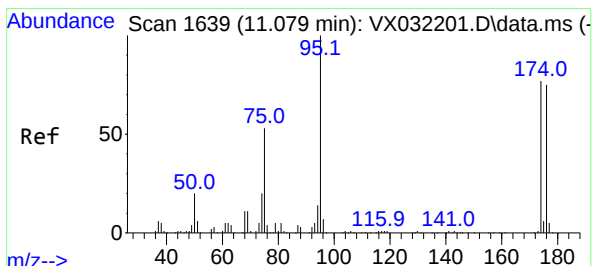
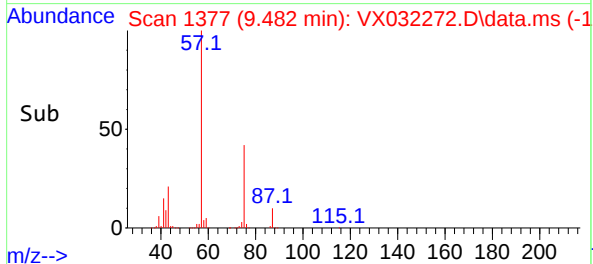
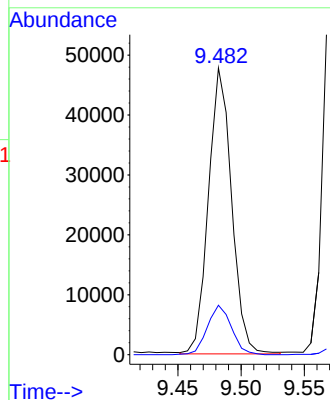
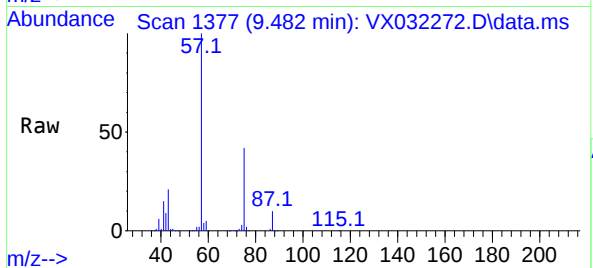
PB148419TB

Tgt Ion: 43 Resp: 60839

Ion Ratio Lower Upper

43 100

58 18.0 26.7 80.1#



#62

4-Bromofluorobenzene

Concen: 45.526 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032272.D

Acq: 20 Oct 2022 18:47

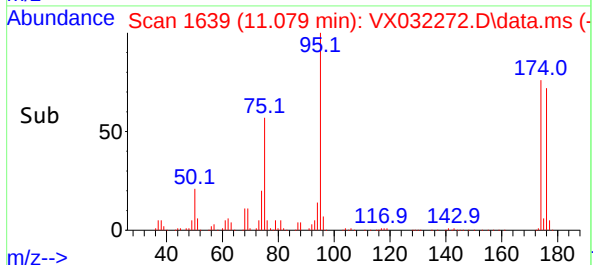
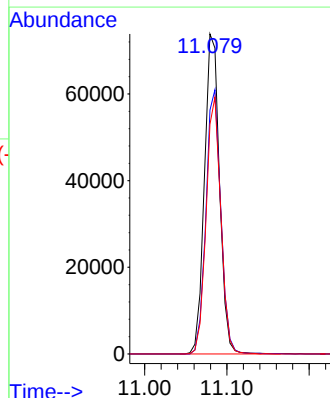
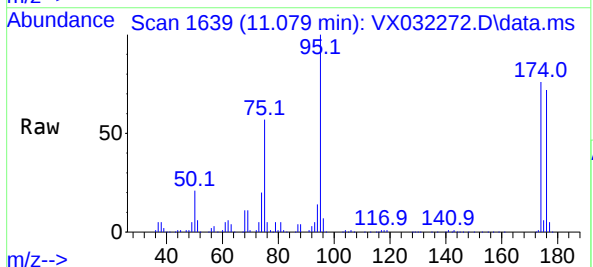
Tgt Ion: 95 Resp: 94284

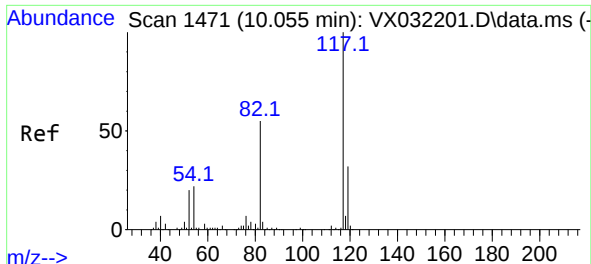
Ion Ratio Lower Upper

95 100

174 81.3 0.0 166.8

176 78.1 0.0 161.4

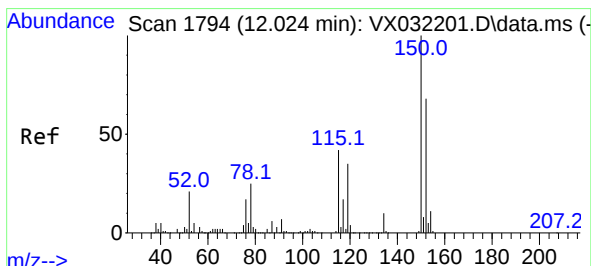
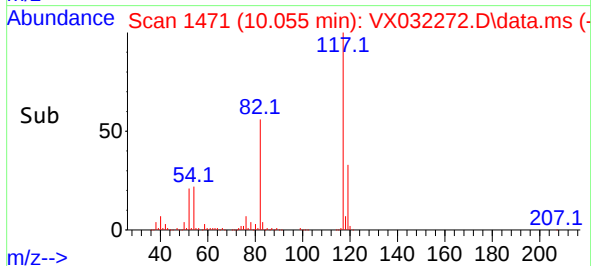
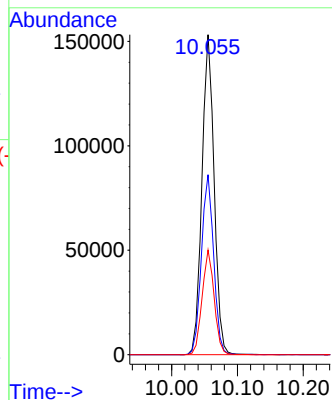
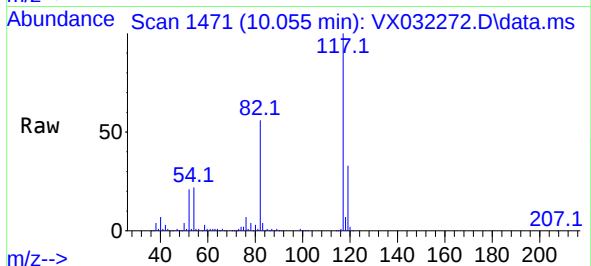




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

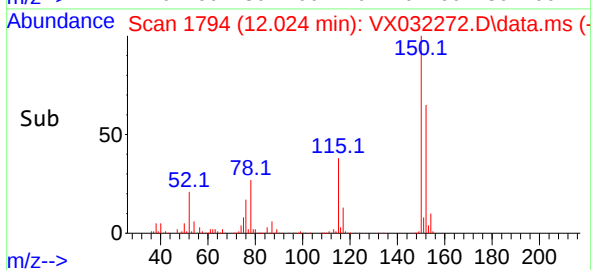
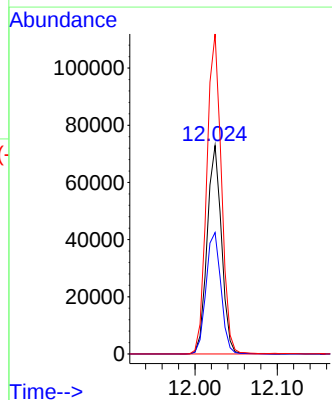
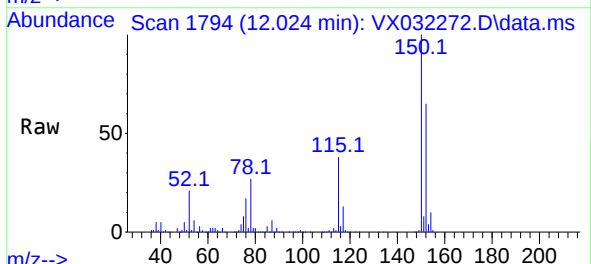
Instrument :
MSVOA_X
ClientSampleId :
PB148419TB

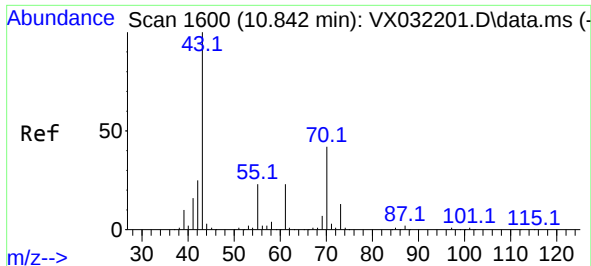
Tgt Ion:117 Resp: 197302
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.4
119 32.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

Tgt Ion:152 Resp: 88414
Ion Ratio Lower Upper
152 100
115 60.6 43.1 129.4
150 156.4 0.0 348.6

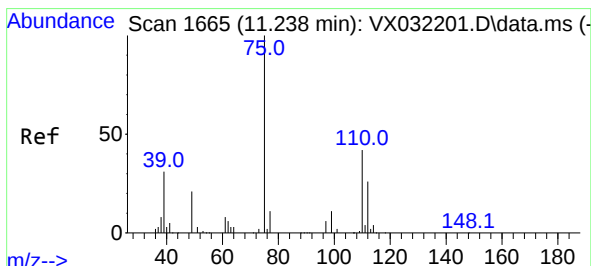
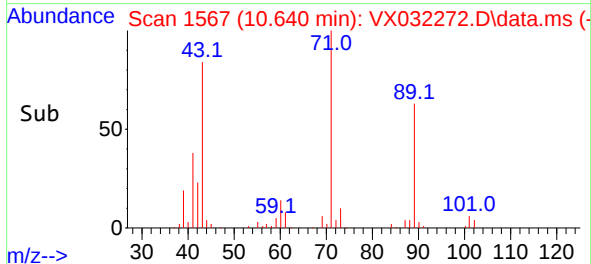
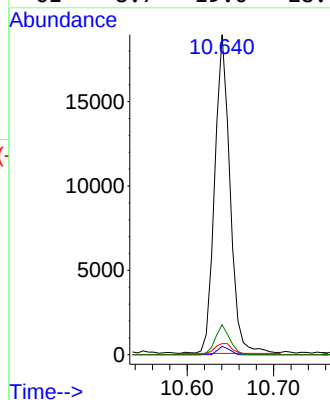
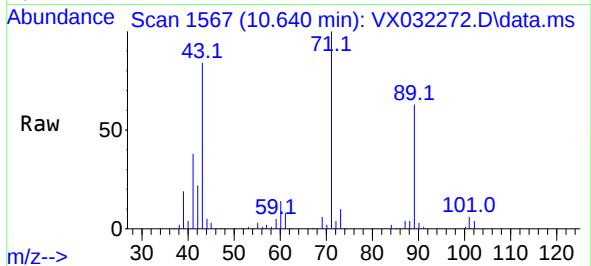




#74
N-amy1 acetate
Concen: 9.977 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.202 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

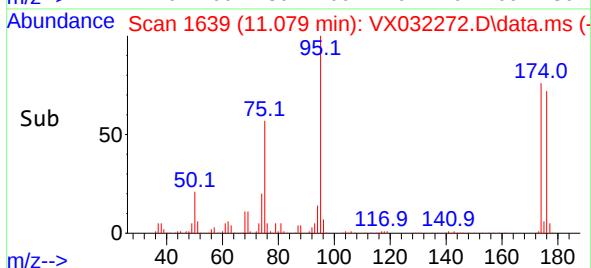
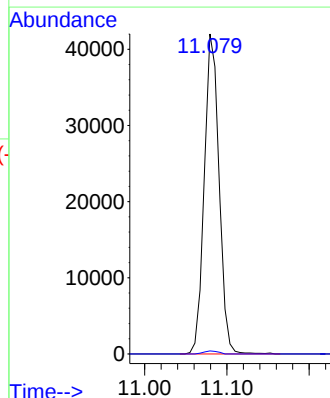
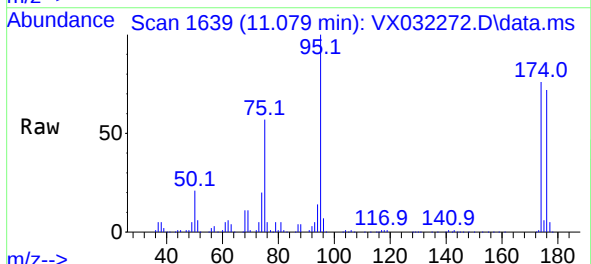
Instrument :
MSVOA_X
ClientSampleId :
PB148419TB

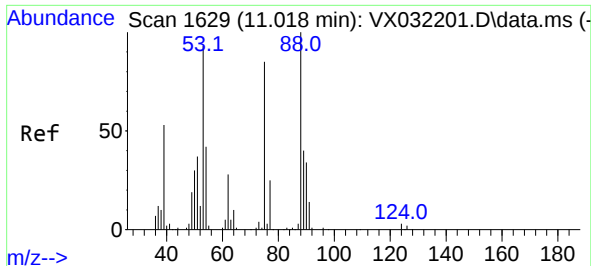
Tgt Ion: 43	Resp: 23254
Ion Ratio	Lower Upper
43 100	
70 2.0	33.9 50.9#
55 4.2	19.1 28.7#
61 8.7	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 30.030 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032272.D
Acq: 20 Oct 2022 18:47

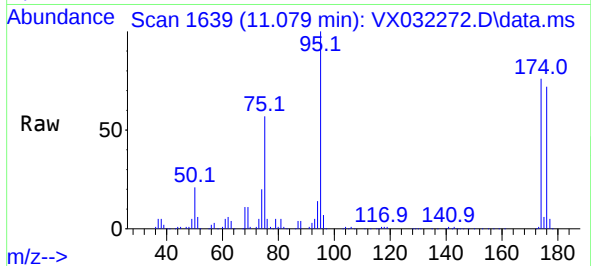
Tgt Ion: 75	Resp: 52609
Ion Ratio	Lower Upper
75 100	
77 0.9	16.0 47.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.896 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032272.D
 Acq: 20 Oct 2022 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148419TB



Tgt Ion: 75 Resp: 52609
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.8 131.8#
 89 0.0 37.8 56.8#

