

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020222\
 Data File : VX026745.D
 Acq On : 02 Feb 2022 18:29
 Operator : JC/MD
 Sample : PB142421ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142421ZHE#04

Quant Time: Feb 03 03:08:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

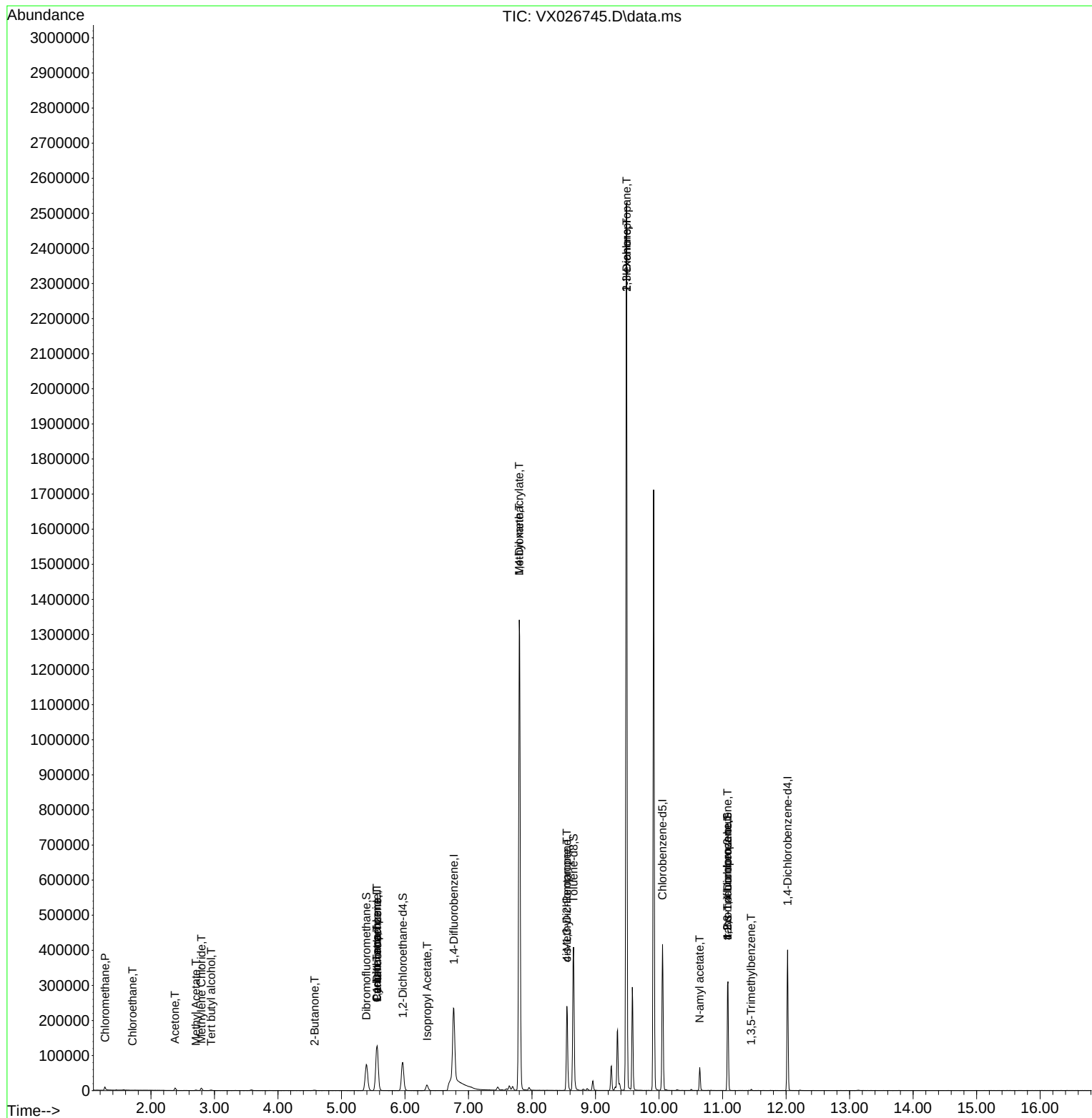
Internal Standards						
1) Pentafluorobenzene	5.562	168	122593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	210086	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	79578	46.468	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.940%		
35) Dibromofluoromethane	5.391	113	65730	48.450	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.900%		
50) Toluene-d8	8.653	98	242323	49.566	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.140%		
62) 4-Bromofluorobenzene	11.079	95	87509	50.388	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.780%		
Target Compounds					Qvalue	
3) Chloromethane	1.276	50	294	0.222	ug/l #	42
6) Chloroethane	1.709	64	147	0.209	ug/l #	43
11) Tert butyl alcohol	2.947	59	1023	4.294	ug/l #	75
16) Acetone	2.380	43	7708	8.826	ug/l	94
18) Methyl Acetate	2.709	43	2206	1.271	ug/l #	85
20) Methylene Chloride	2.794	84	3091	2.142	ug/l	93
25) 2-Butanone	4.574	43	1904	1.676	ug/l #	88
31) Cyclohexane	5.556	56	2280	0.903	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9474	4.424	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12470	5.660	ug/l #	17
43) Isopropyl Acetate	6.348	43	22332	6.381	ug/l	100
48) Methyl methacrylate	7.799	41	113666	65.538	ug/l #	44
49) 1,4-Dioxane	7.799	88	174	6.113	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	80468	38.766	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	38050	16.833	ug/l #	56
57) 1,3-Dichloropropane	9.488	76	22213	9.044	ug/l #	43
59) 2-Hexanone	9.488	43	304960	191.953	ug/l #	51
74) N-amyl acetate	10.640	43	15253	5.972	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	42532	23.932	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	1719	0.315	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	42532	72.957	ug/l #	3

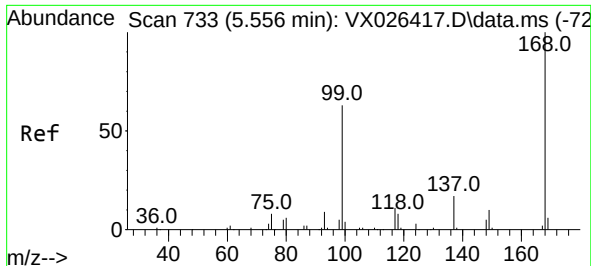
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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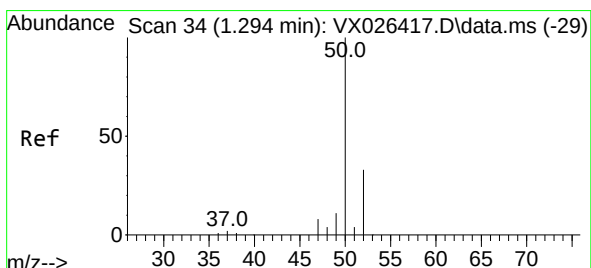
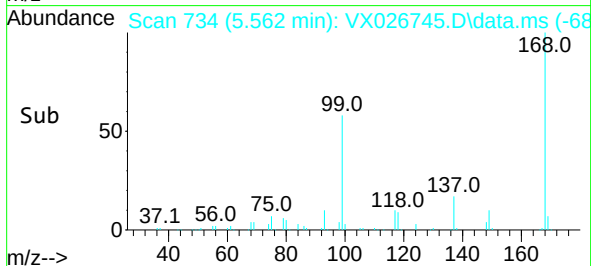
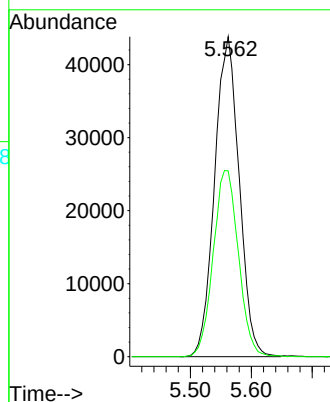
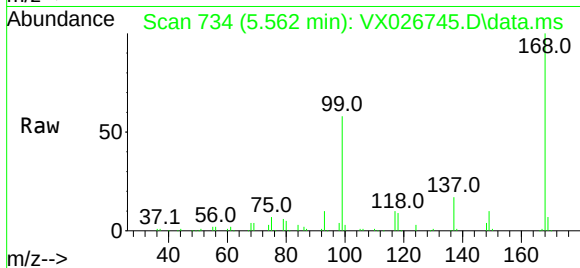




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

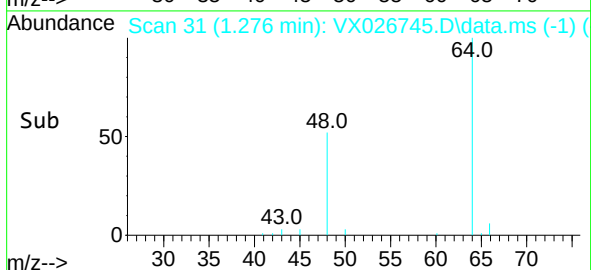
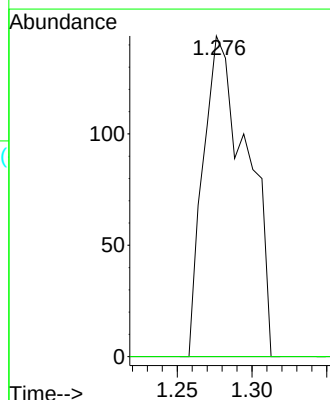
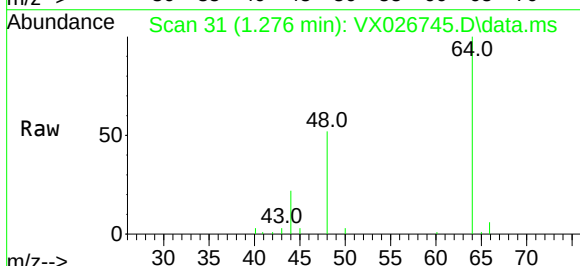
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#04

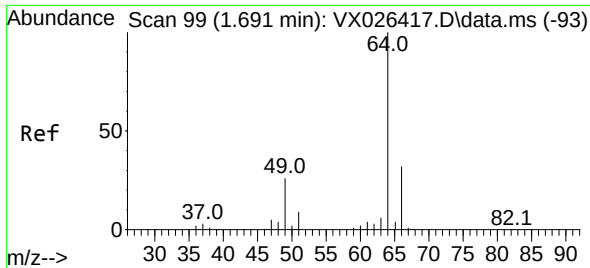
Tgt Ion:168 Resp: 122593
Ion Ratio Lower Upper
168 100
99 58.1 50.3 75.5



#3
Chloromethane
Concen: 0.222 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.018 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

Tgt Ion: 50 Resp: 294
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

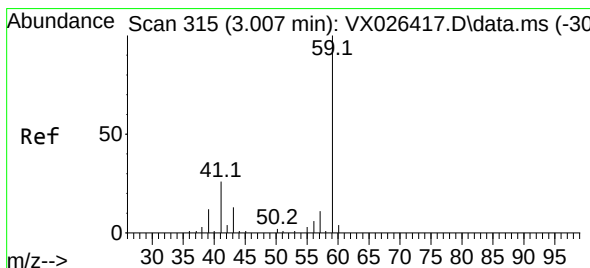
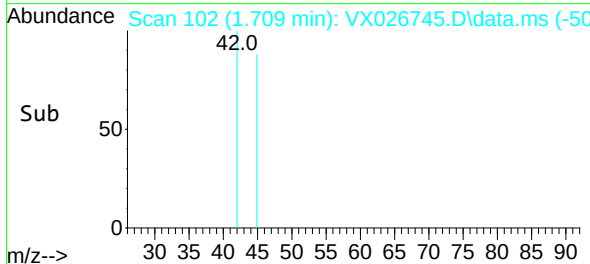
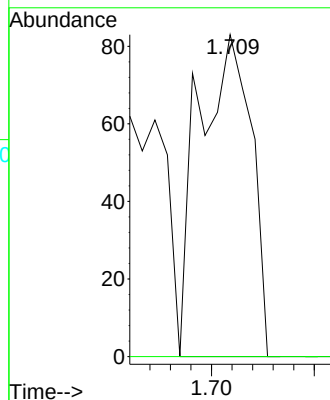
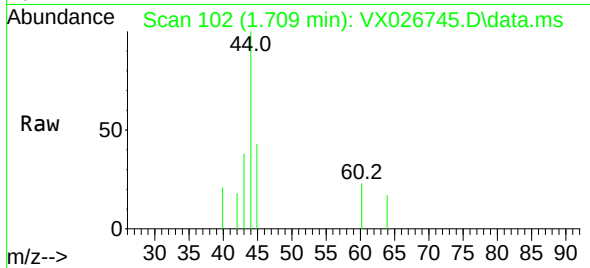




#6
Chloroethane
Concen: 0.209 ug/l
RT: 1.709 min Scan# 10
Delta R.T. 0.018 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

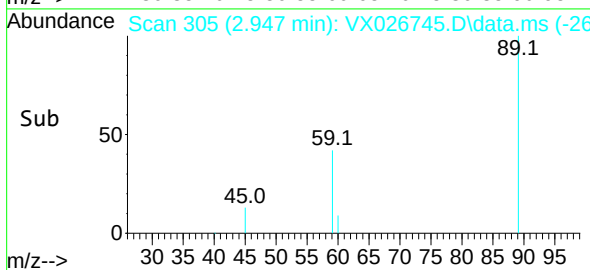
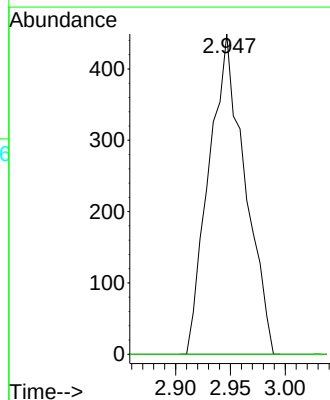
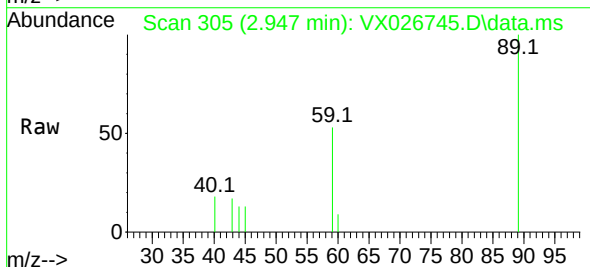
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#04

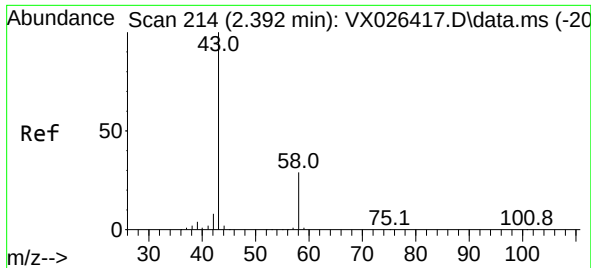
Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 4.294 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.060 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

Tgt Ion: 59 Resp: 1023
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

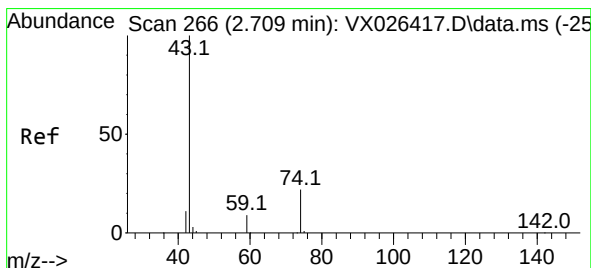
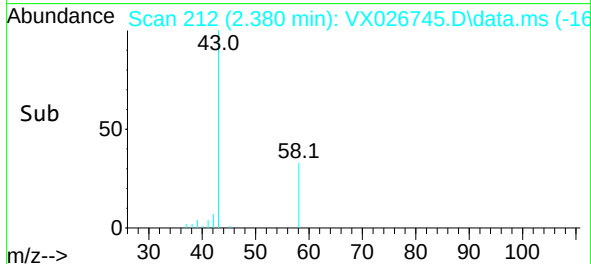
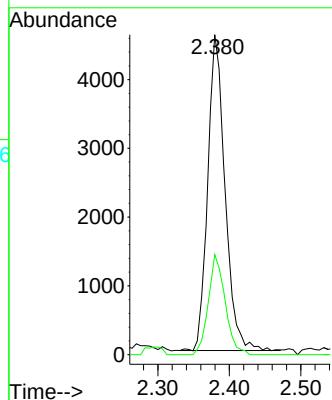
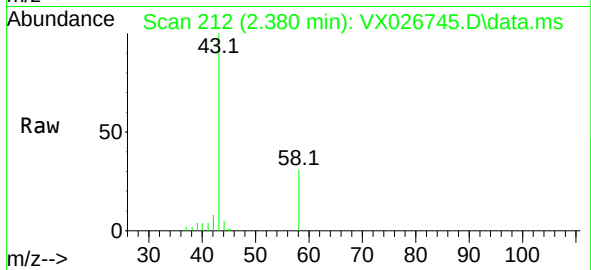




#16
Acetone
Concen: 8.826 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

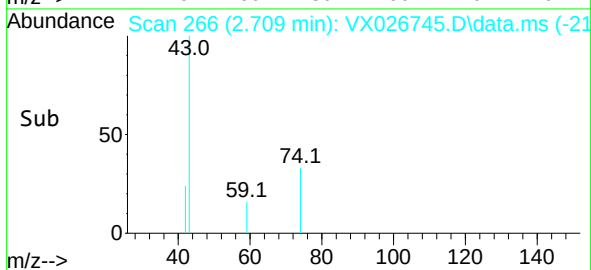
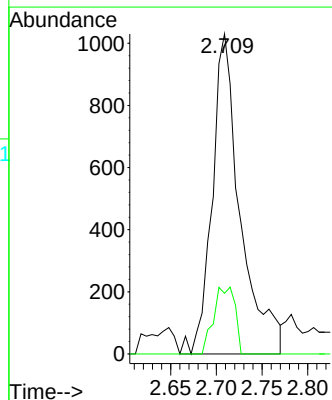
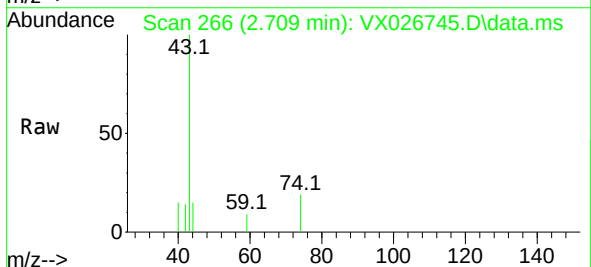
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#04

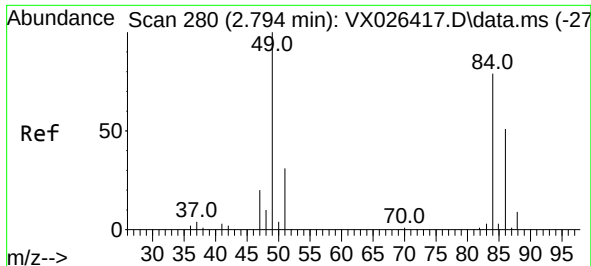
Tgt Ion: 43 Resp: 7708
Ion Ratio Lower Upper
43 100
58 31.7 23.0 34.6



#18
Methyl Acetate
Concen: 1.271 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

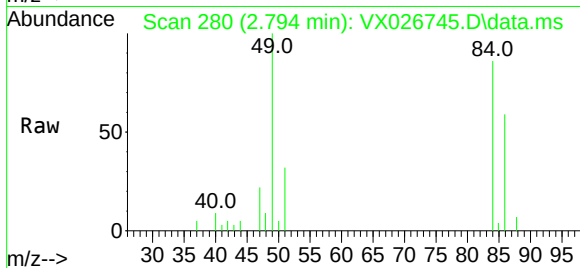
Tgt Ion: 43 Resp: 2206
Ion Ratio Lower Upper
43 100
74 15.8 18.3 27.5#



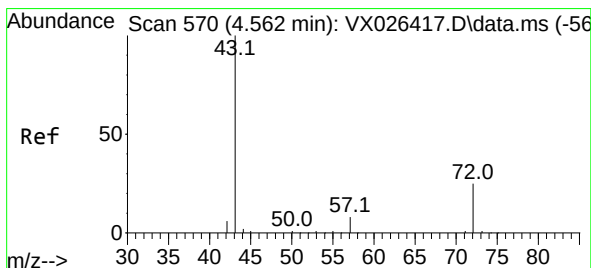
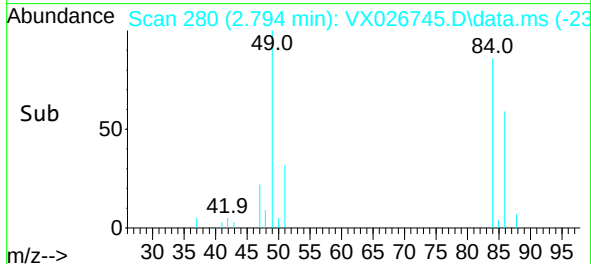
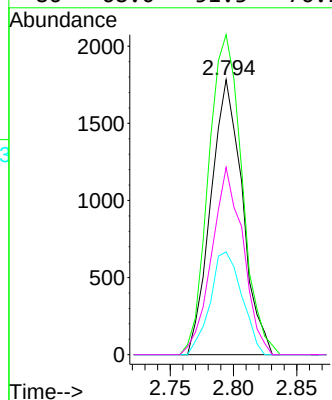


#20
Methylene Chloride
Concen: 2.142 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#04

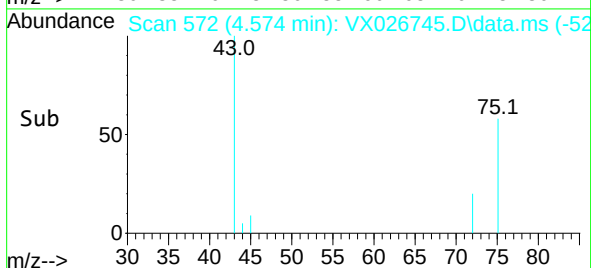
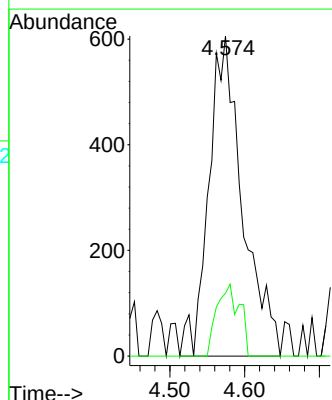
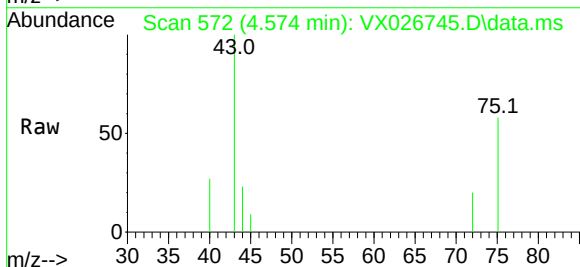


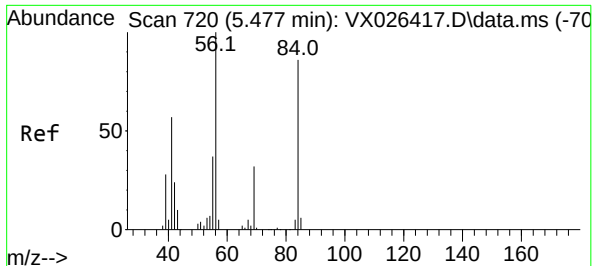
Tgt Ion: 84	Resp: 3091		
Ion	Ratio	Lower	Upper
84	100		
49	116.3	101.5	152.3
51	37.3	31.2	46.8
86	68.0	51.3	76.9



#25
2-Butanone
Concen: 1.676 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

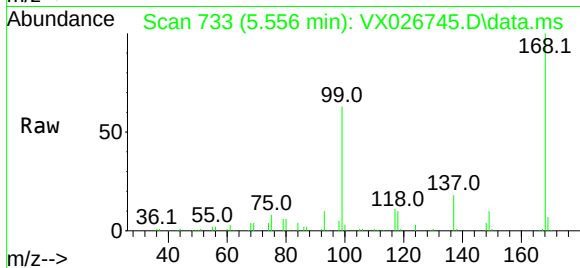
Tgt Ion: 43	Resp: 1904
Ion Ratio	Lower Upper
43 100	
72 19.6	20.4 30.6#



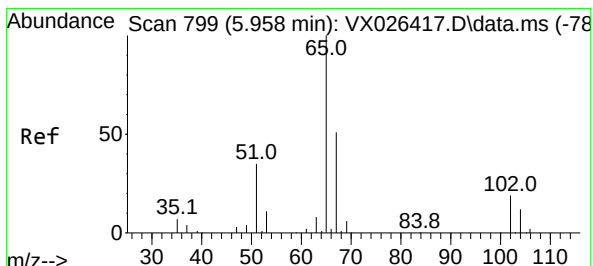
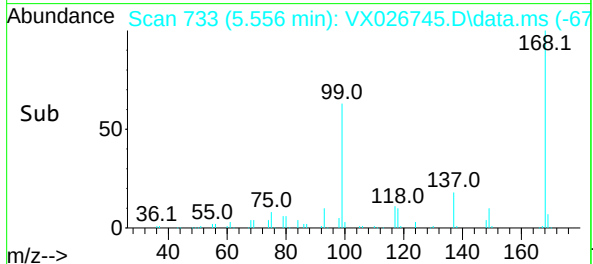
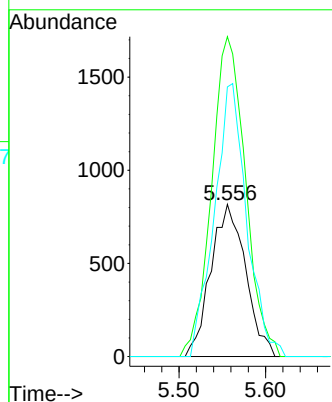


#31
Cyclohexane
Concen: 0.903 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

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ClientSampleId :
PB142421ZHE#04

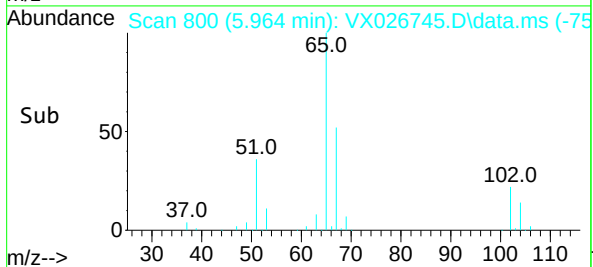
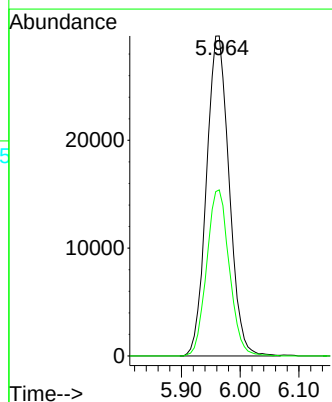
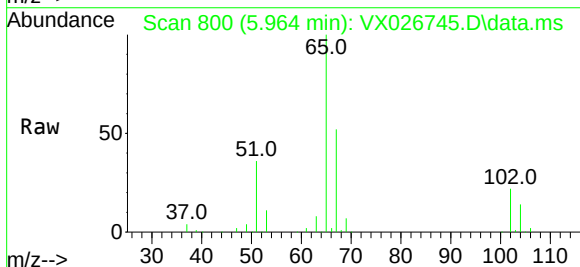


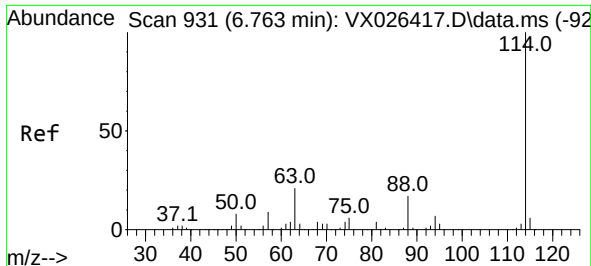
Tgt Ion: 56 Resp: 2280
Ion Ratio Lower Upper
56 100
69 210.2 25.8 38.6#
84 177.1 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 46.468 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

Tgt Ion: 65 Resp: 79578
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.8

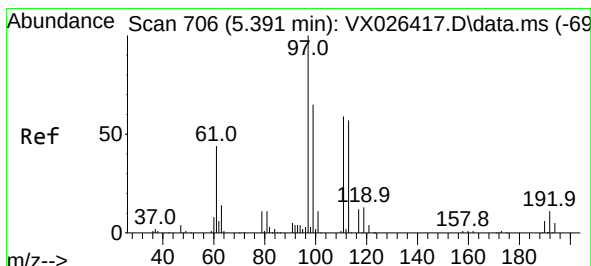
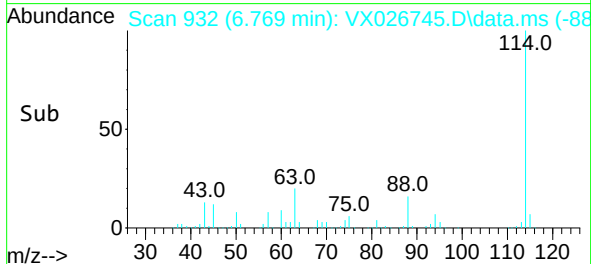
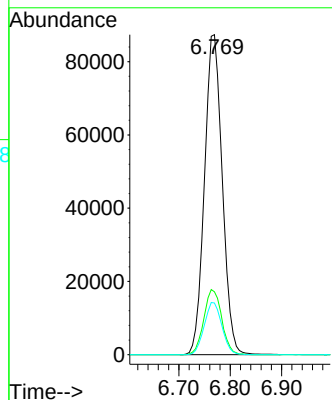
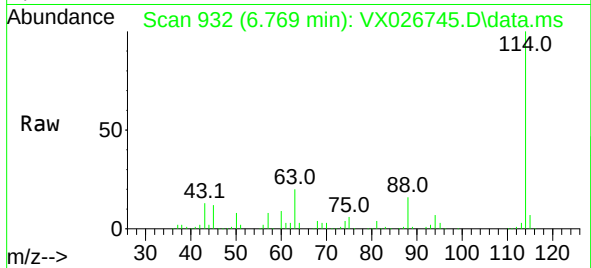




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

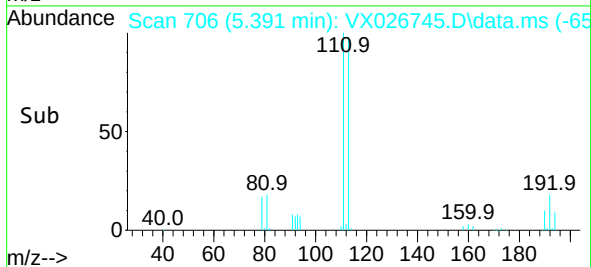
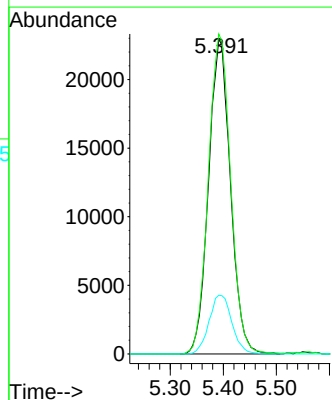
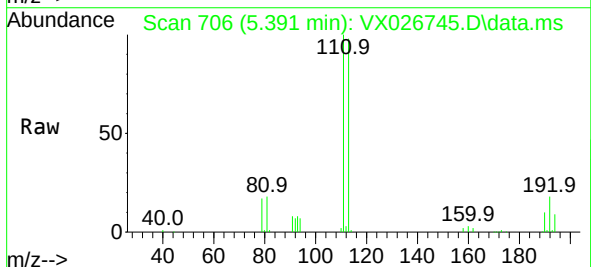
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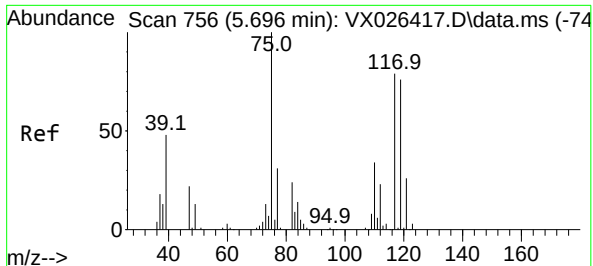
Tgt Ion:114 Resp: 210086
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.8
88 16.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.450 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

Tgt Ion:113 Resp: 65730
Ion Ratio Lower Upper
113 100
111 103.7 81.2 121.8
192 19.4 15.0 22.4

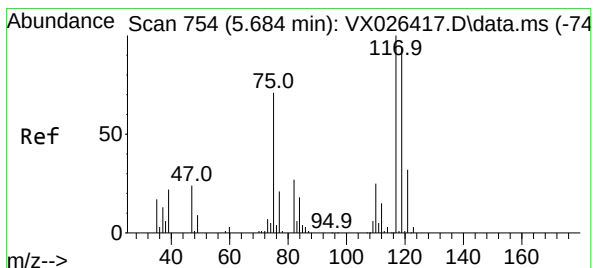
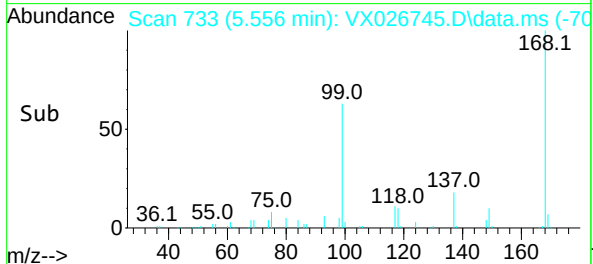
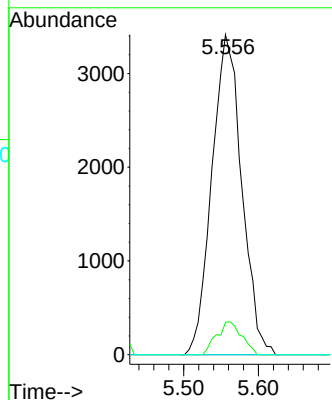
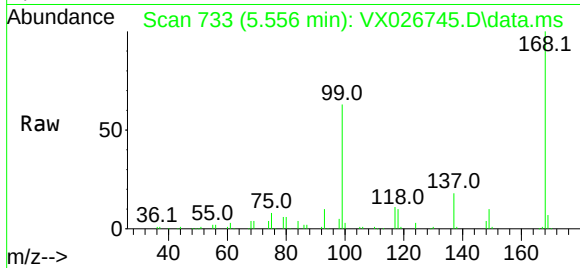




#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

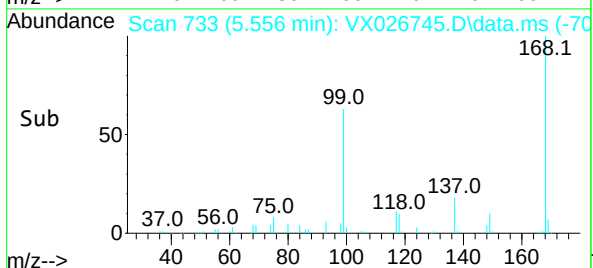
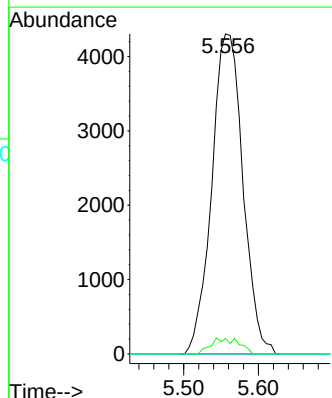
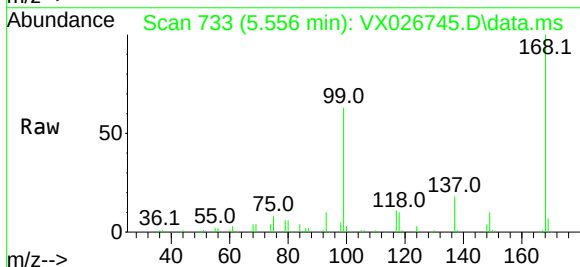
Instrument :
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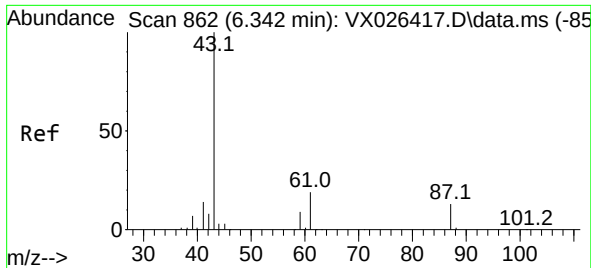
Tgt Ion: 75 Resp: 9474
Ion Ratio Lower Upper
75 100
110 8.6 17.2 51.6#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.660 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

Tgt Ion: 117 Resp: 12470
Ion Ratio Lower Upper
117 100
119 4.9 74.7 112.1#
121 0.0 25.4 38.0#





#43

Isopropyl Acetate

Concen: 6.381 ug/l

RT: 6.348 min Scan# 8

Delta R.T. 0.006 min

Lab File: VX026745.D

Acq: 02 Feb 2022 18:29

Instrument :

MSVOA_X

ClientSampleId :

PB142421ZHE#04

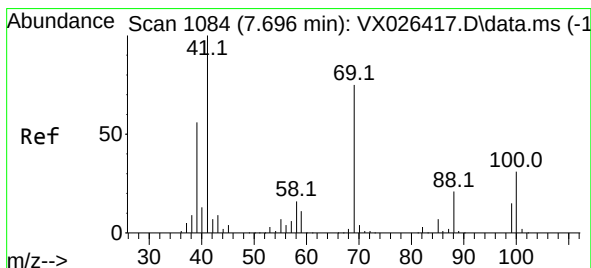
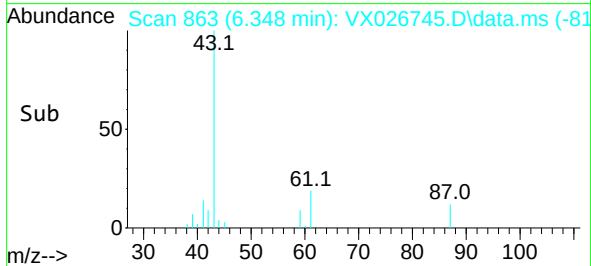
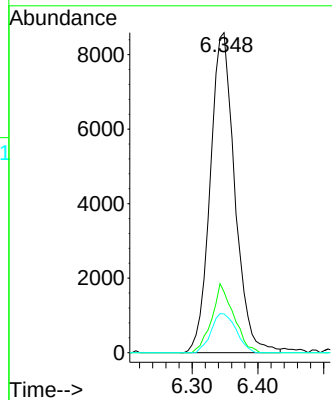
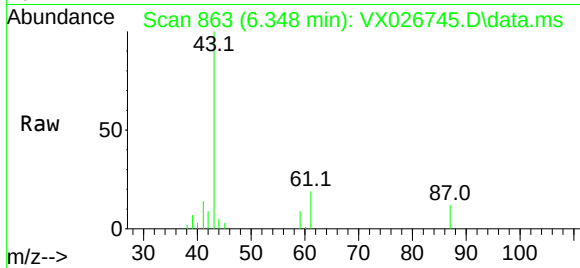
Tgt Ion: 43 Resp: 22332

Ion Ratio Lower Upper

43 100

61 19.2 15.4 23.0

87 12.4 10.2 15.2



#48

Methyl methacrylate

Concen: 65.538 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX026745.D

Acq: 02 Feb 2022 18:29

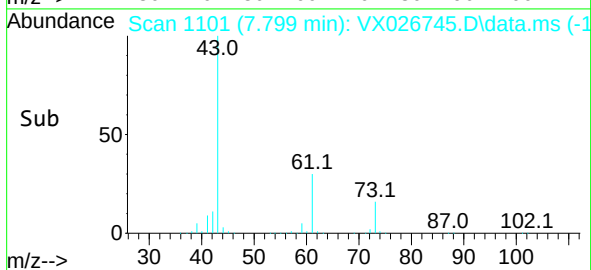
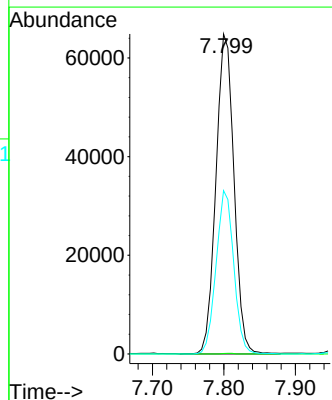
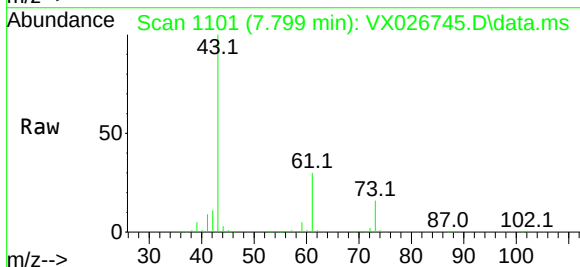
Tgt Ion: 41 Resp: 113666

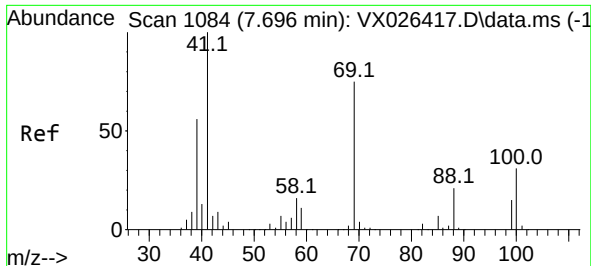
Ion Ratio Lower Upper

41 100

69 0.1 62.2 93.4#

39 50.0 45.4 68.0





#49

1,4-Dioxane

Concen: 6.113 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX026745.D

Acq: 02 Feb 2022 18:29

Instrument :

MSVOA_X

ClientSampleId :

PB142421ZHE#04

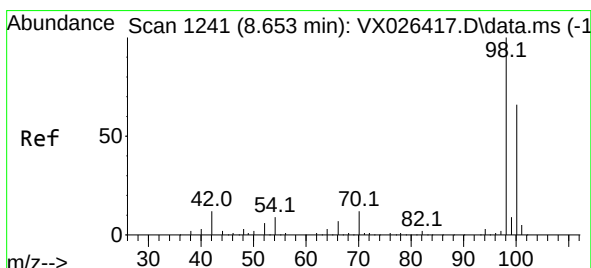
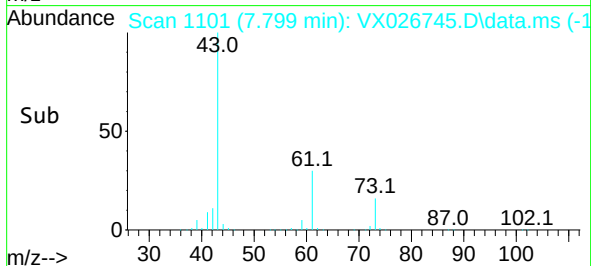
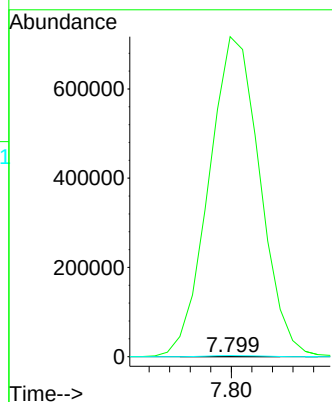
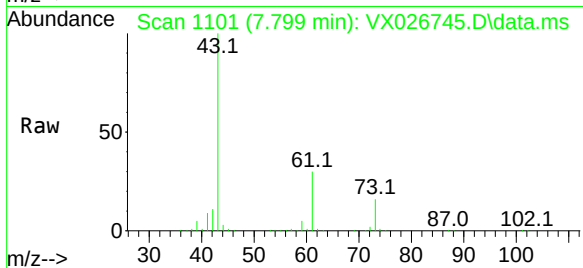
Tgt Ion: 88 Resp: 174

Ion Ratio Lower Upper

88 100

43 715978.7 29.9 44.9#

58 2621.3 57.8 86.6#



#50

Toluene-d8

Concen: 49.566 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX026745.D

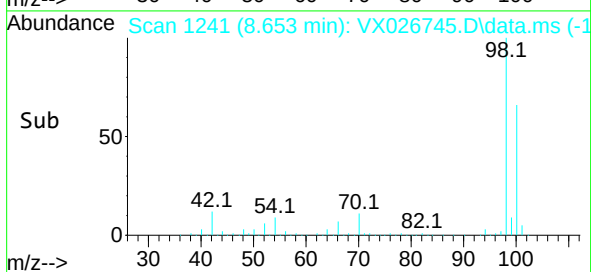
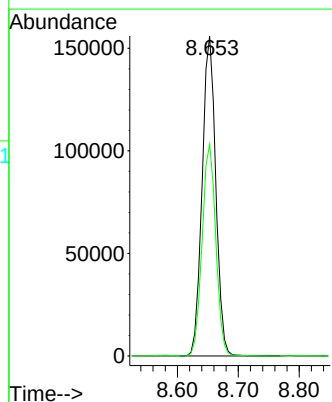
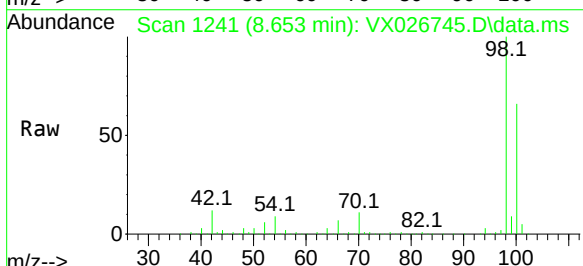
Acq: 02 Feb 2022 18:29

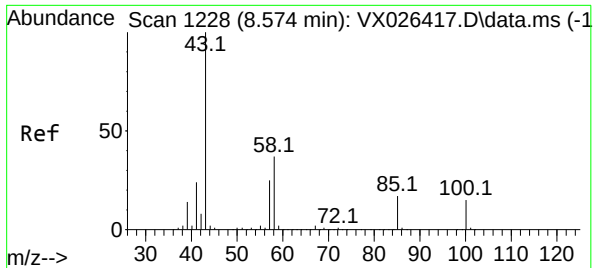
Tgt Ion: 98 Resp: 242323

Ion Ratio Lower Upper

98 100

100 66.7 53.2 79.8

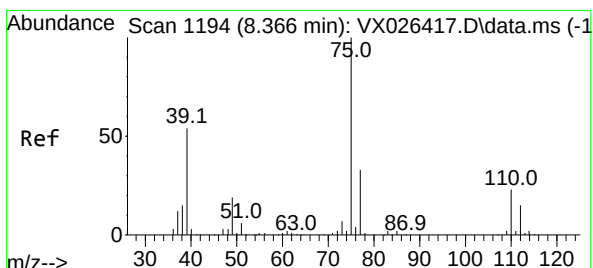
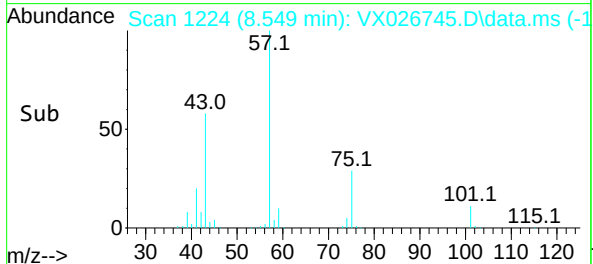
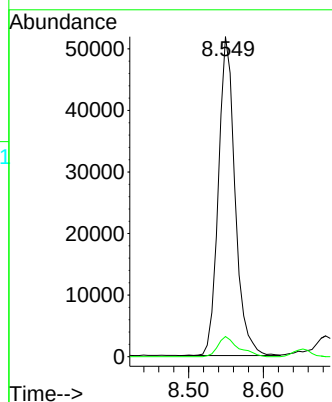
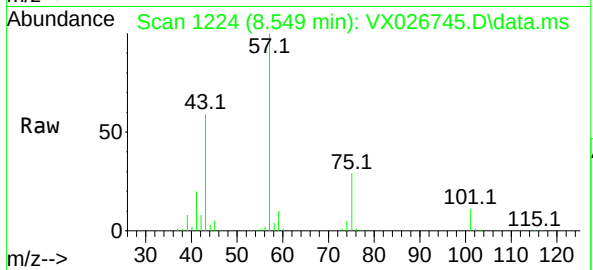




#51
4-Methyl-2-Pentanone
Concen: 38.766 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

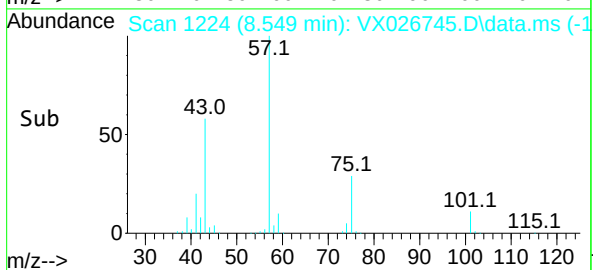
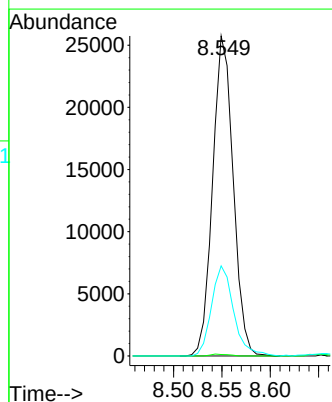
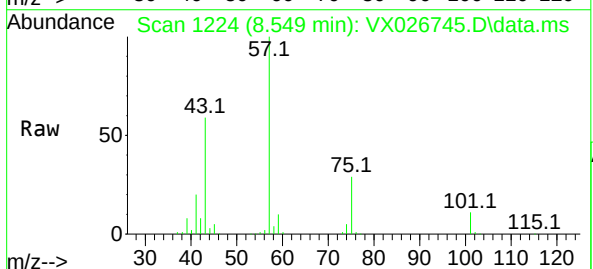
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#04

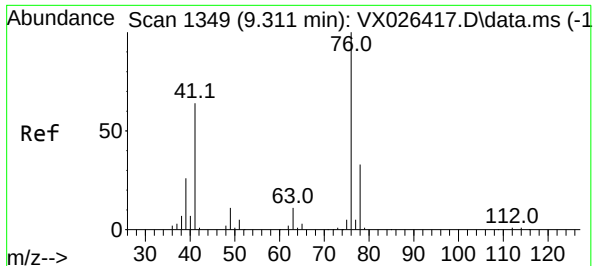
Tgt Ion: 43 Resp: 80468
Ion Ratio Lower Upper
43 100
58 7.7 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 16.833 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

Tgt Ion: 75 Resp: 38050
Ion Ratio Lower Upper
75 100
77 0.5 26.2 39.2#
39 28.2 43.5 65.3#





#57

1,3-Dichloropropane

Concen: 9.044 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX026745.D

Acq: 02 Feb 2022 18:29

Instrument :

MSVOA_X

ClientSampleId :

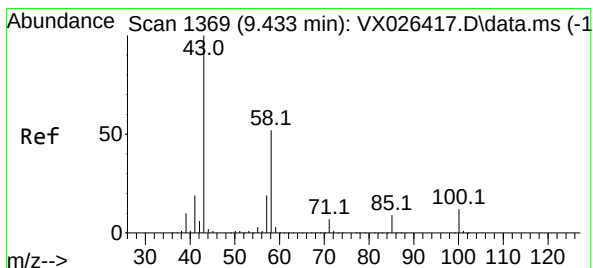
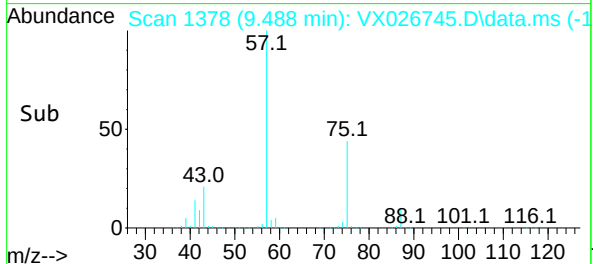
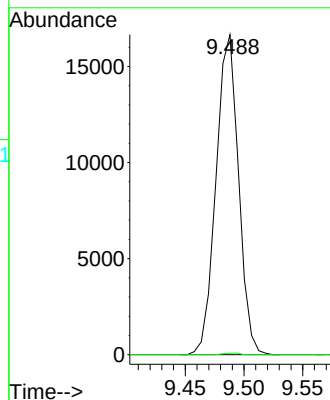
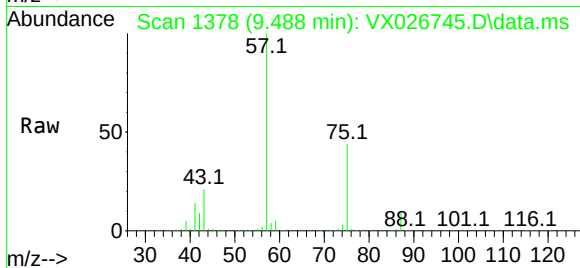
PB142421ZHE#04

Tgt Ion: 76 Resp: 22213

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#59

2-Hexanone

Concen: 191.953 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX026745.D

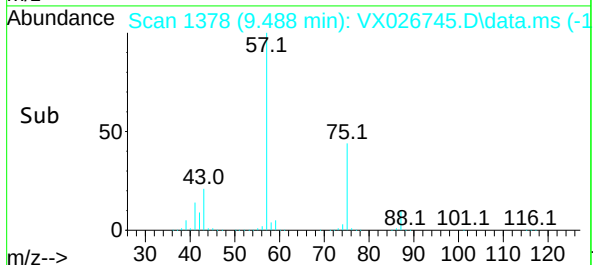
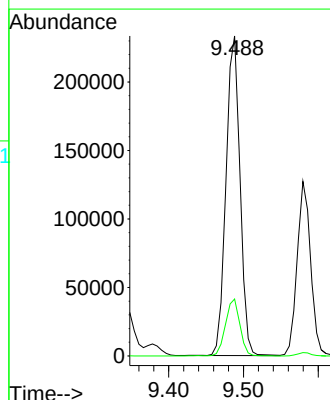
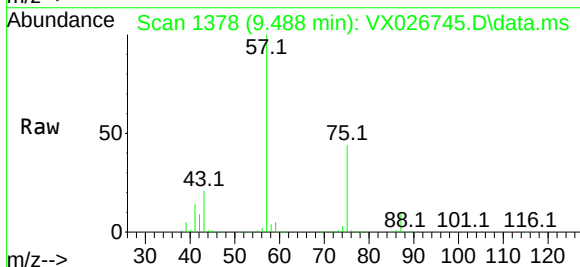
Acq: 02 Feb 2022 18:29

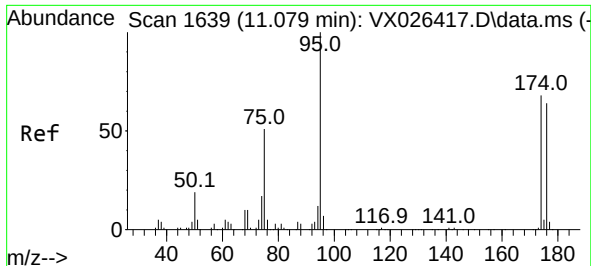
Tgt Ion: 43 Resp: 304960

Ion Ratio Lower Upper

43 100

58 18.2 26.4 79.2#

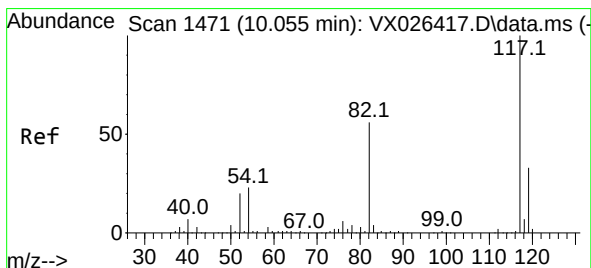
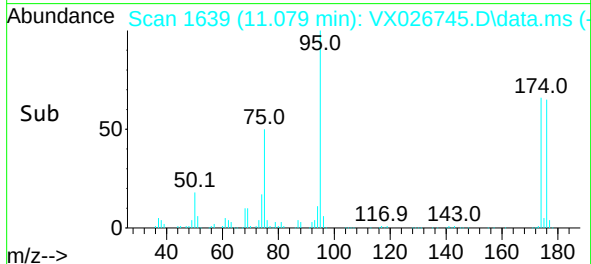
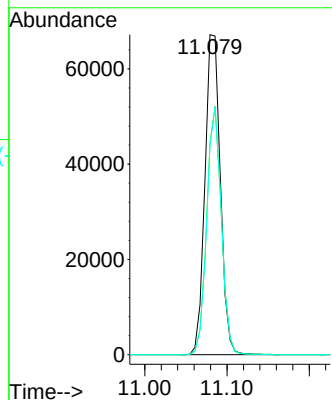
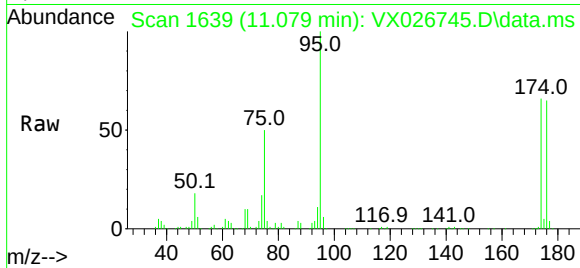




#62
4-Bromofluorobenzene
Concen: 50.388 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

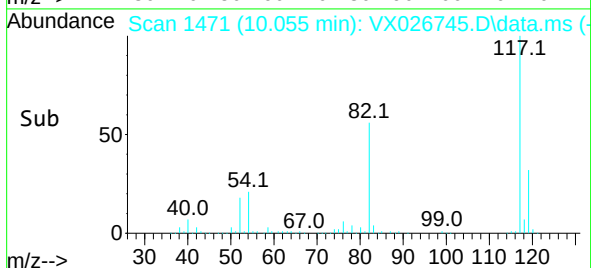
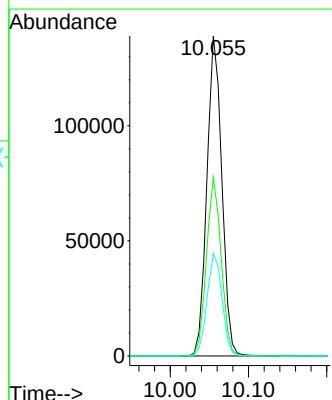
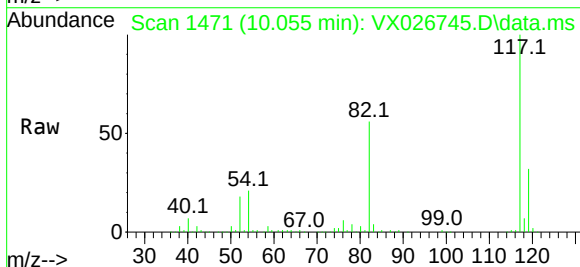
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#04

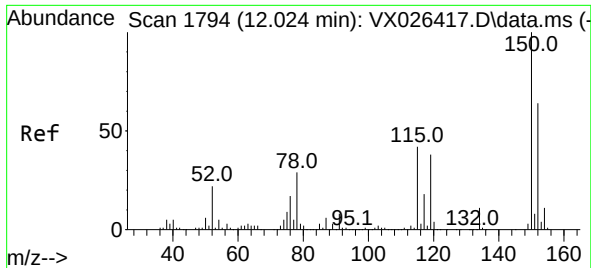
Tgt Ion: 95 Resp: 87509
Ion Ratio Lower Upper
95 100
174 73.9 0.0 148.6
176 73.1 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

Tgt Ion: 117 Resp: 183493
Ion Ratio Lower Upper
117 100
82 55.9 45.2 67.8
119 32.0 26.2 39.2

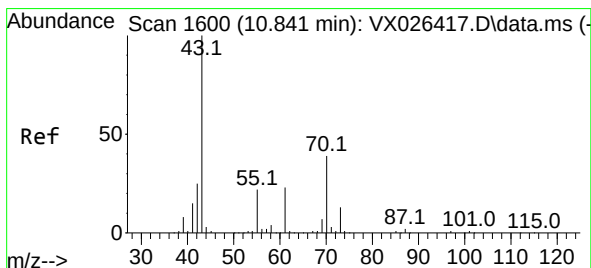
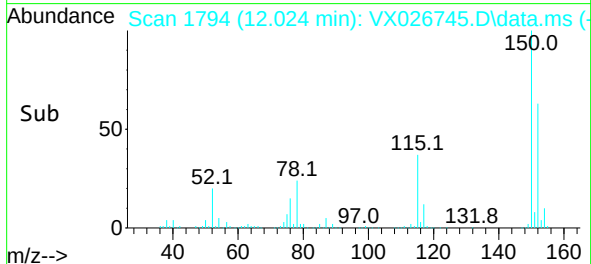
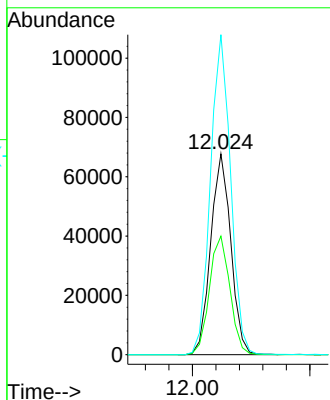
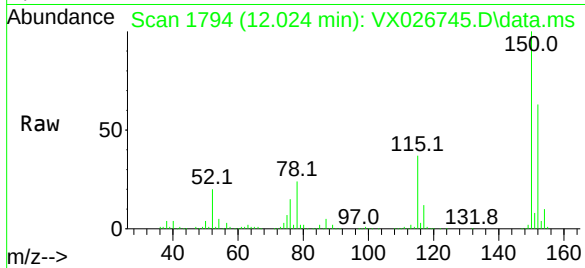




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

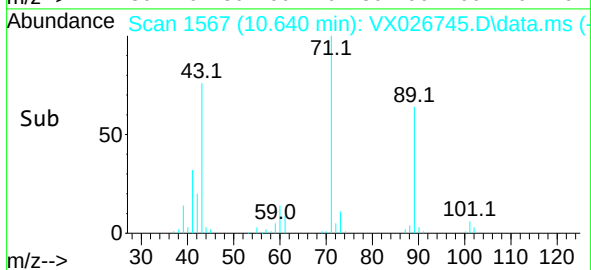
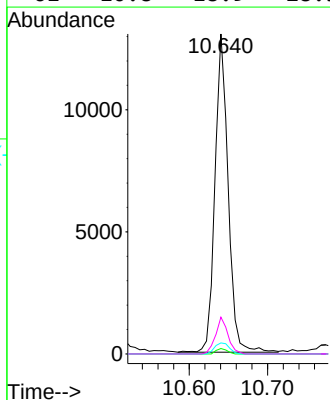
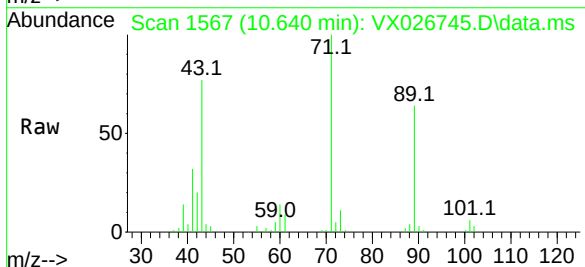
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#04

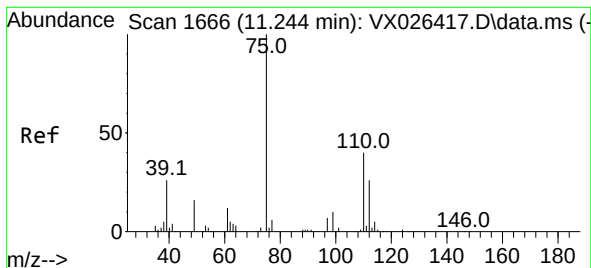
Tgt Ion:152 Resp: 80716
Ion Ratio Lower Upper
152 100
115 60.1 44.2 132.6
150 159.1 0.0 348.2



#74
N-ethyl acetate
Concen: 5.972 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX026745.D
Acq: 02 Feb 2022 18:29

Tgt Ion: 43 Resp: 15253
Ion Ratio Lower Upper
43 100
70 1.4 32.9 49.3#
55 3.8 18.3 27.5#
61 10.8 18.9 28.3#





#76

1,2,3-Trichloropropane

Concen: 23.932 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX026745.D

Acq: 02 Feb 2022 18:29

Instrument :

MSVOA_X

ClientSampleId :

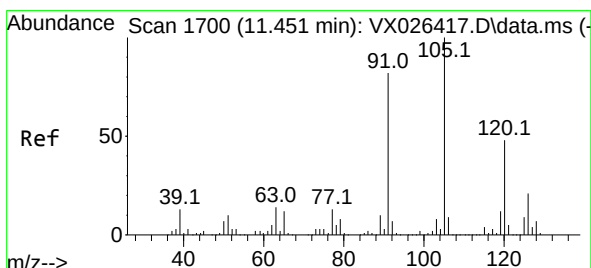
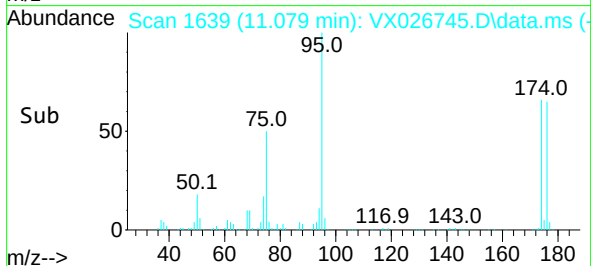
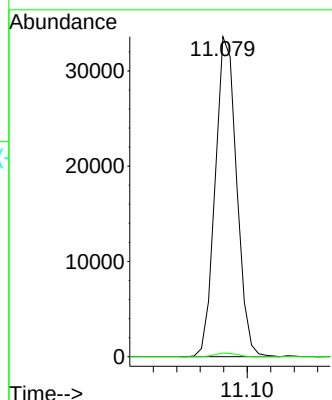
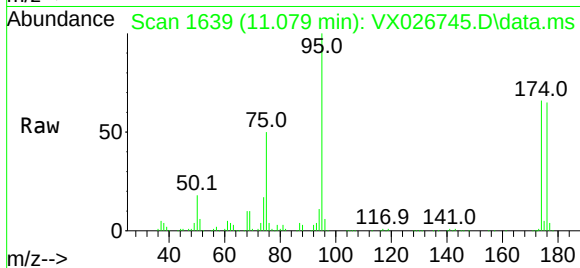
PB142421ZHE#04

Tgt Ion: 75 Resp: 42532

Ion Ratio Lower Upper

75 100

77 1.1 18.3 54.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.315 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX026745.D

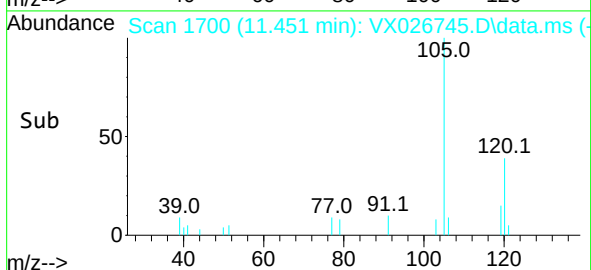
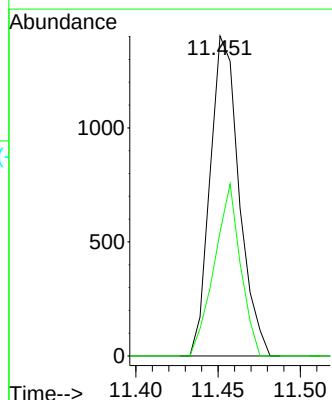
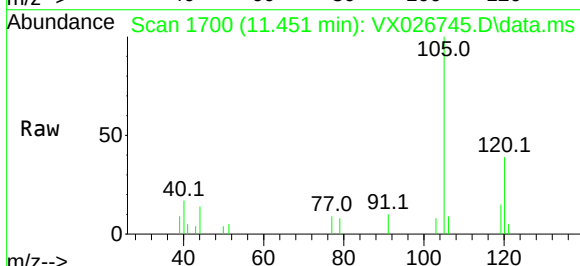
Acq: 02 Feb 2022 18:29

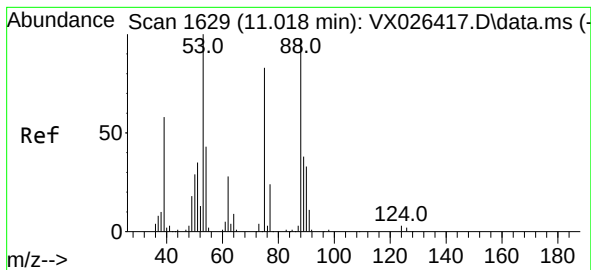
Tgt Ion: 105 Resp: 1719

Ion Ratio Lower Upper

105 100

120 48.4 24.0 72.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.957 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026745.D
 Acq: 02 Feb 2022 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142421ZHE#04

Tgt Ion: 75 Resp: 42532
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

