

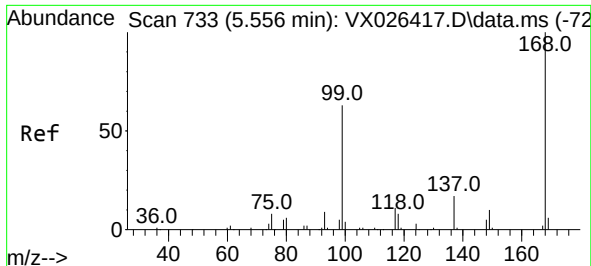
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020122\
 Data File : VX026714.D
 Acq On : 01 Feb 2022 18:02
 Operator : JC/MD
 Sample : PB142403ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142403ZHE#07

Quant Time: Feb 02 04:37:15 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	5.556	168	129012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220944	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83345	46.246	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.500%		
35) Dibromofluoromethane	5.385	113	68822	48.236	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.480%		
50) Toluene-d8	8.653	98	258164	50.211	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.420%		
62) 4-Bromofluorobenzene	11.079	95	97681	53.481	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.960%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	188	0.254	ug/l #	43
11) Tert butyl alcohol	2.940	59	670	2.672	ug/l #	75
16) Acetone	2.386	43	8833	9.611	ug/l	91
18) Methyl Acetate	2.709	43	2394	1.310	ug/l #	80
20) Methylene Chloride	2.794	84	3138	2.067	ug/l	98
25) 2-Butanone	4.574	43	1740	1.456	ug/l	95
31) Cyclohexane	5.556	56	2616	0.984	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9973	4.428	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13272	5.728	ug/l #	16
43) Isopropyl Acetate	6.342	43	21916	5.955	ug/l	99
48) Methyl methacrylate	7.598	41	6403	3.510	ug/l #	16
49) 1,4-Dioxane	7.805	88	202	6.748	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	79102	36.235	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	37769	15.887	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	21845	8.457	ug/l #	43
59) 2-Hexanone	9.488	43	303219	181.477	ug/l #	51
74) N-amyl acetate	10.774	43	578	0.203	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	47296	23.923	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	3949	0.651	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	47296	72.932	ug/l #	3

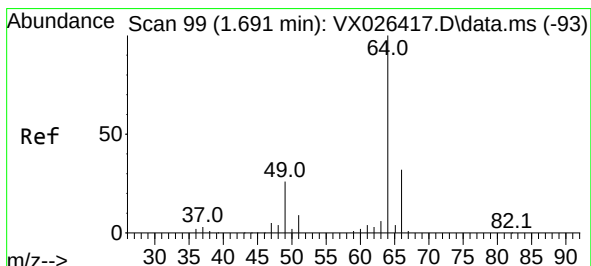
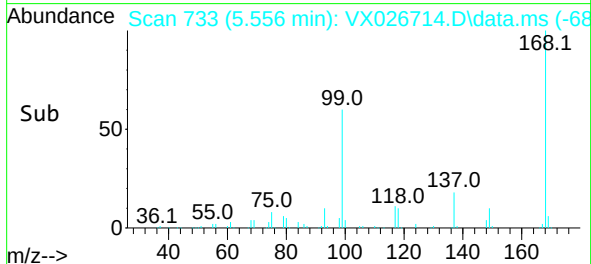
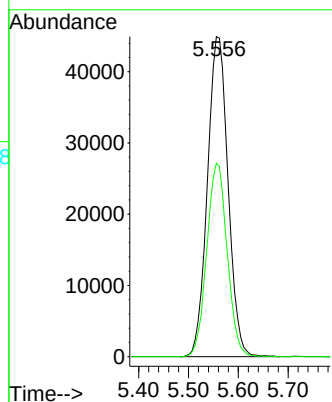
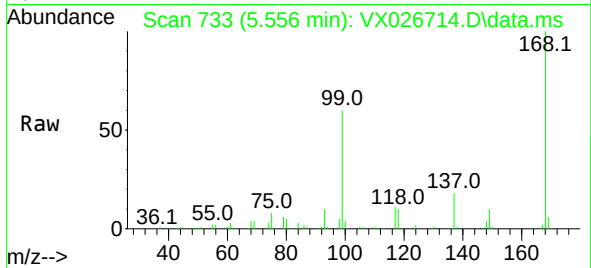
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

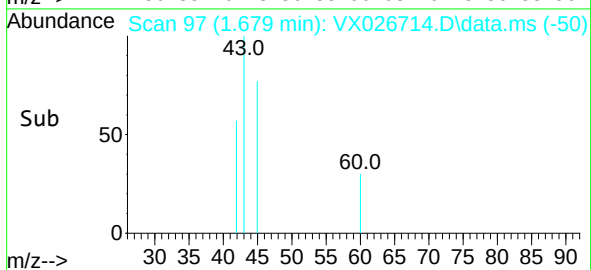
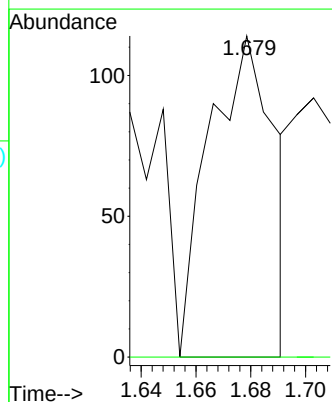
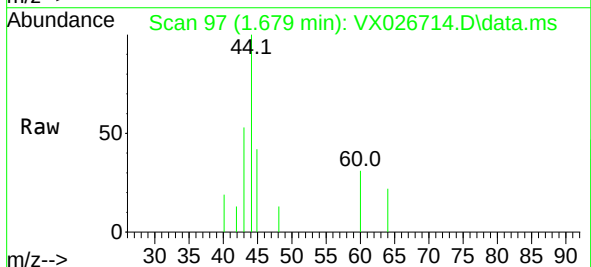
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#07

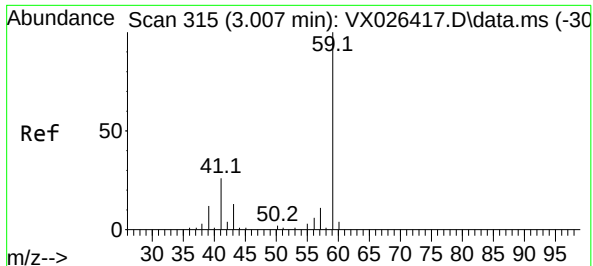
Tgt Ion:168 Resp: 129012
Ion Ratio Lower Upper
168 100
99 60.5 50.3 75.5



#6
Chloroethane
Concen: 0.254 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.012 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

Tgt Ion: 64 Resp: 188
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 2.672 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.067 min

Lab File: VX026714.D

Acq: 01 Feb 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

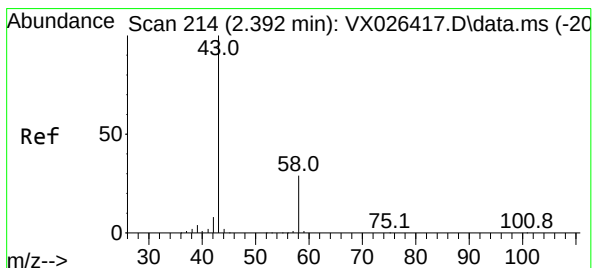
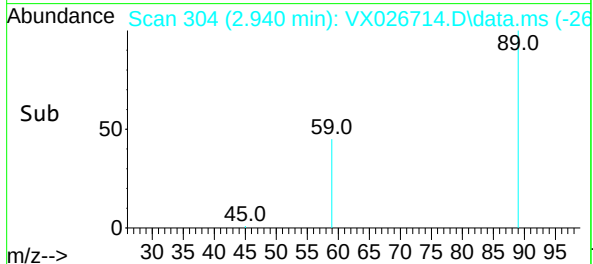
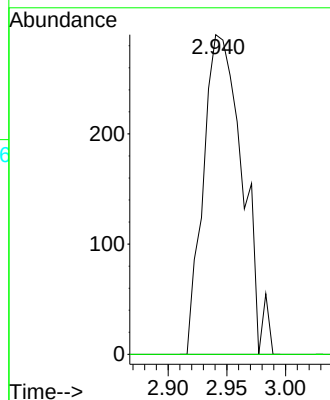
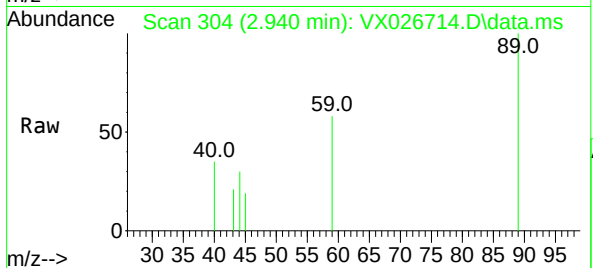
PB142403ZHE#07

Tgt Ion: 59 Resp: 670

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 9.611 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX026714.D

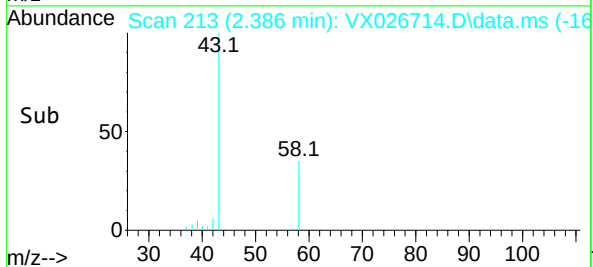
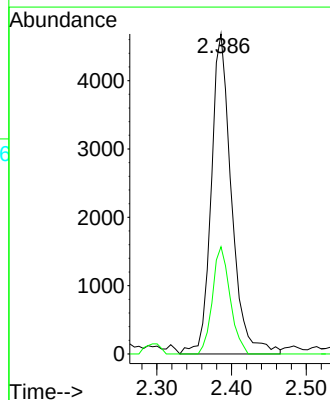
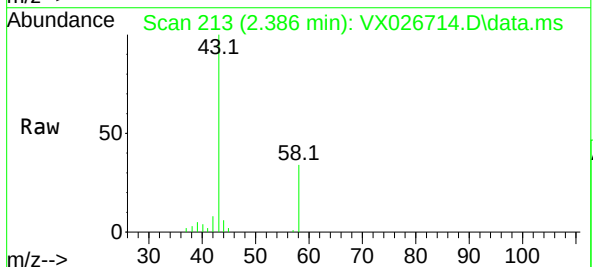
Acq: 01 Feb 2022 18:02

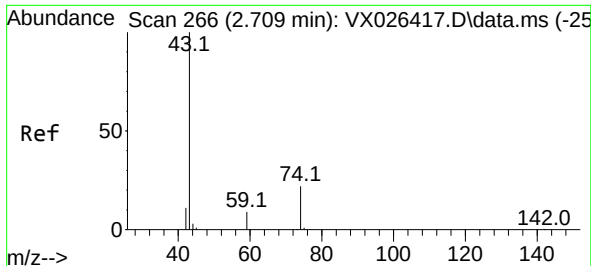
Tgt Ion: 43 Resp: 8833

Ion Ratio Lower Upper

43 100

58 33.5 23.0 34.6

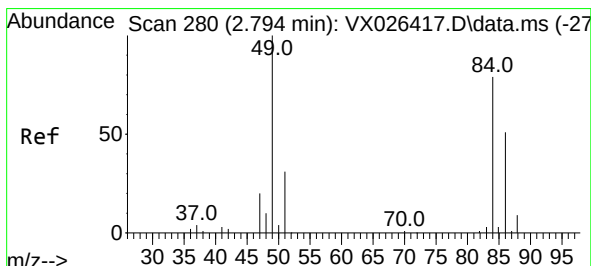
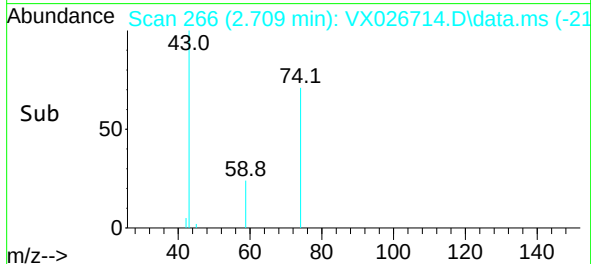
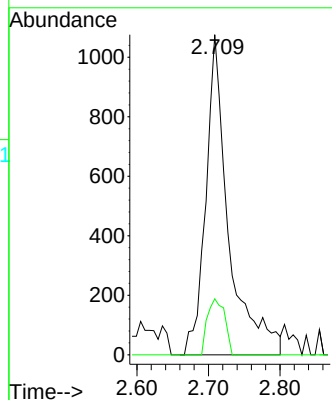
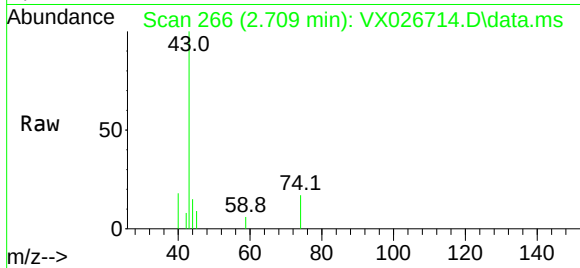




#18
Methyl Acetate
Concen: 1.310 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

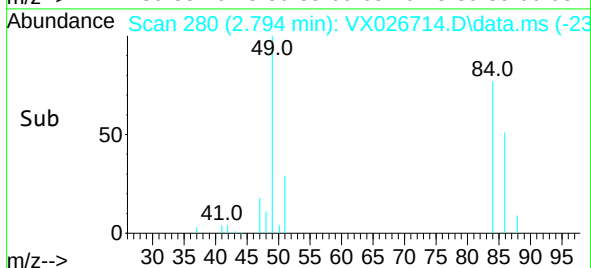
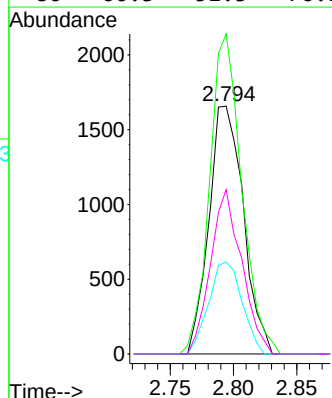
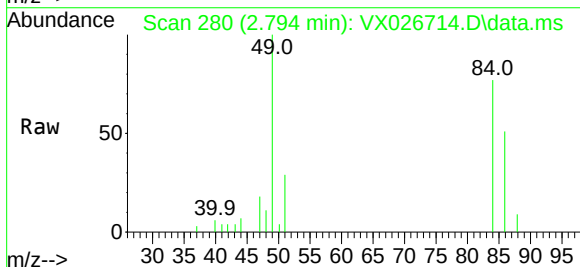
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#07

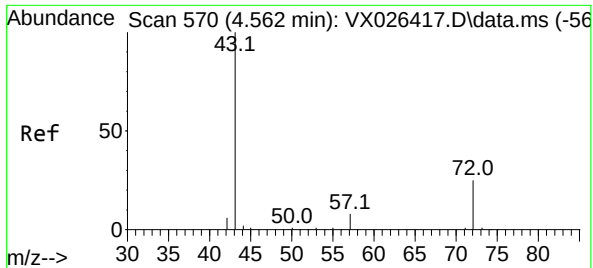
Tgt Ion: 43 Resp: 2394
Ion Ratio Lower Upper
43 100
74 13.2 18.3 27.5#



#20
Methylene Chloride
Concen: 2.067 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

Tgt Ion: 84 Resp: 3138
Ion Ratio Lower Upper
84 100
49 129.1 101.5 152.3
51 37.1 31.2 46.8
86 66.3 51.3 76.9

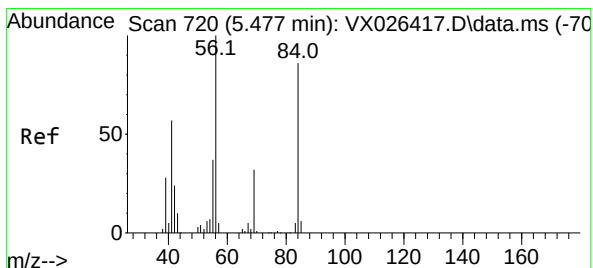
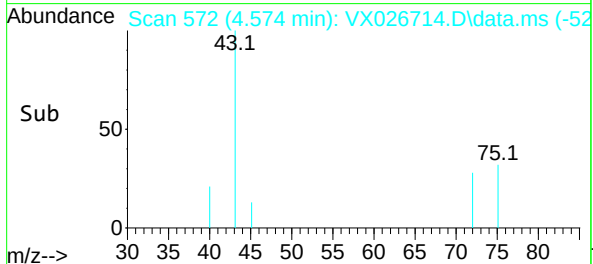
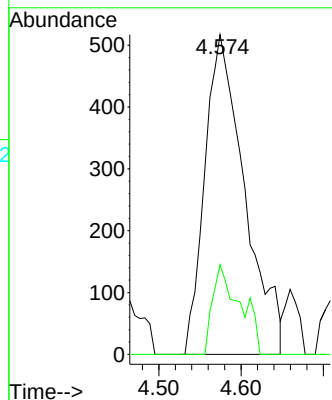
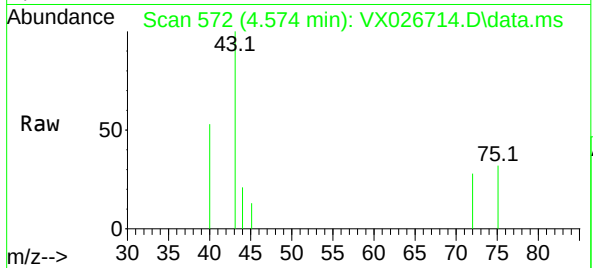




#25
2-Butanone
Concen: 1.456 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

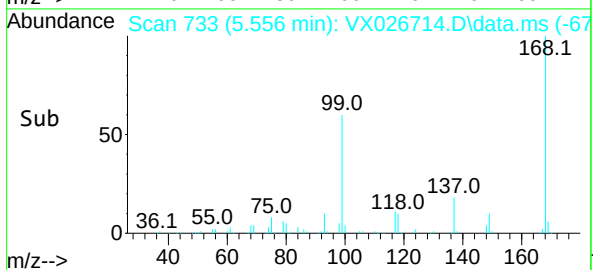
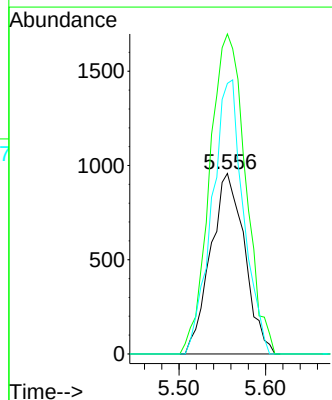
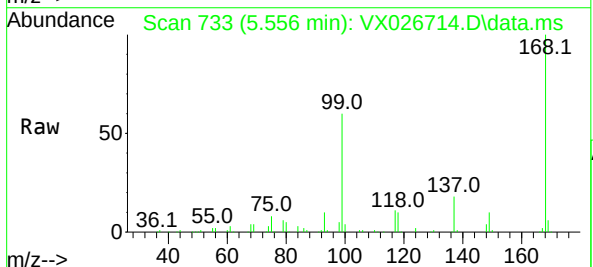
Instrument :
MSVOA_X
ClientSampleId :
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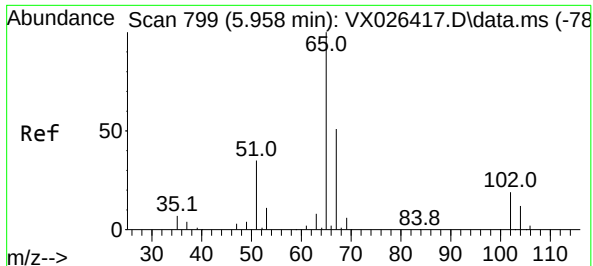
Tgt Ion: 43 Resp: 1740
Ion Ratio Lower Upper
43 100
72 28.0 20.4 30.6



#31
Cyclohexane
Concen: 0.984 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

Tgt Ion: 56 Resp: 2616
Ion Ratio Lower Upper
56 100
69 177.2 25.8 38.6#
84 149.9 68.9 103.3#

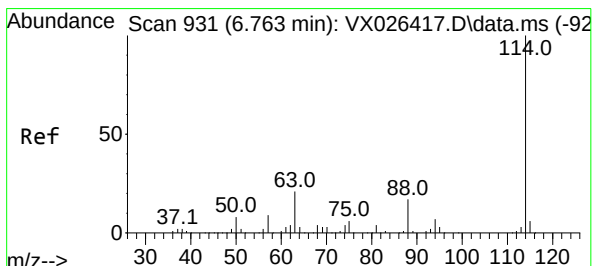
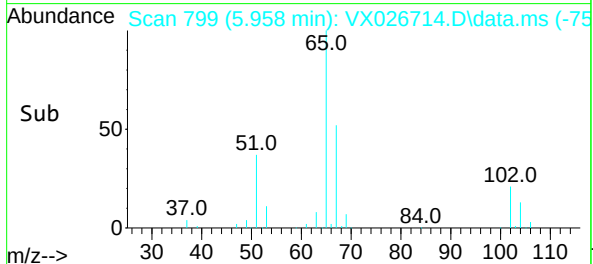
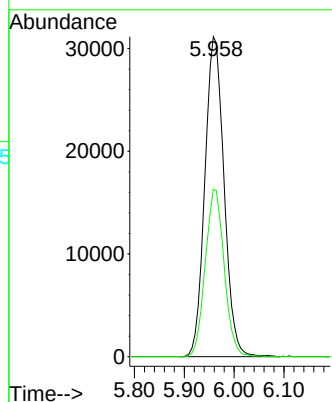
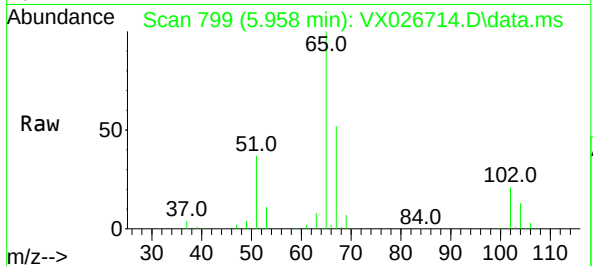




#33
 1,2-Dichloroethane-d4
 Concen: 46.246 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX026714.D
 Acq: 01 Feb 2022 18:02

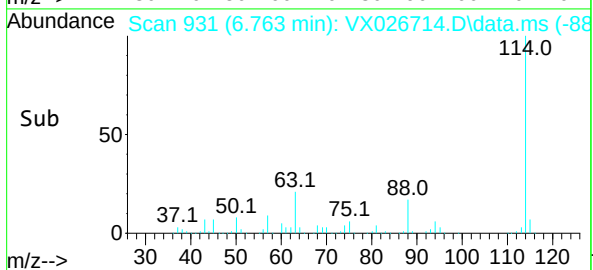
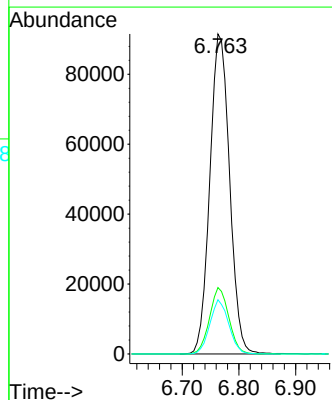
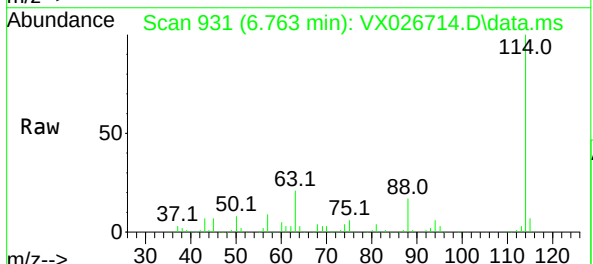
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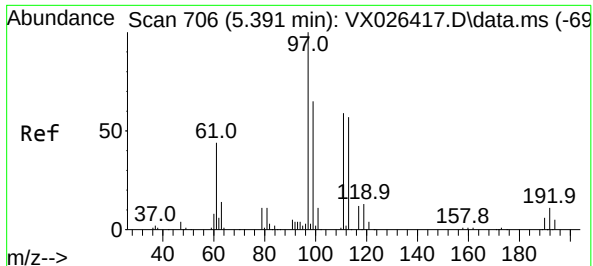
Tgt Ion: 65 Resp: 83345
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX026714.D
 Acq: 01 Feb 2022 18:02

Tgt Ion: 114 Resp: 220944
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.8
 88 17.0 0.0 33.0

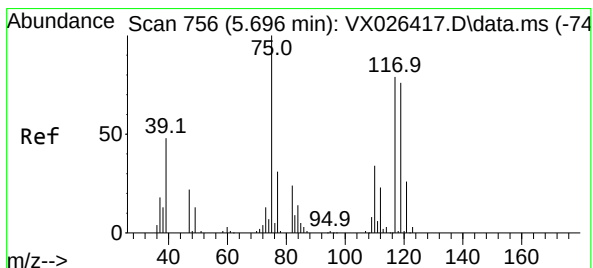
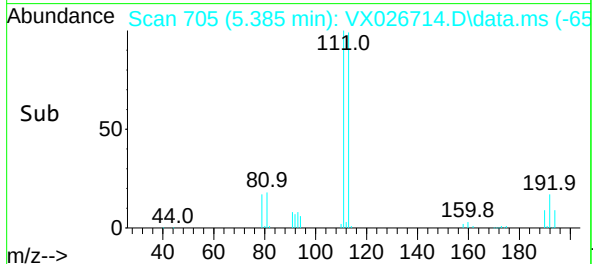
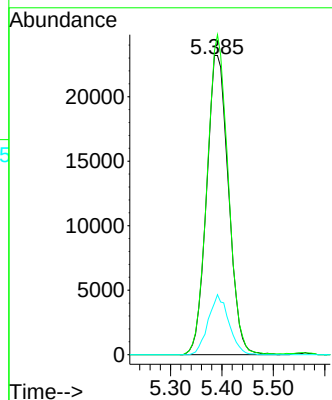
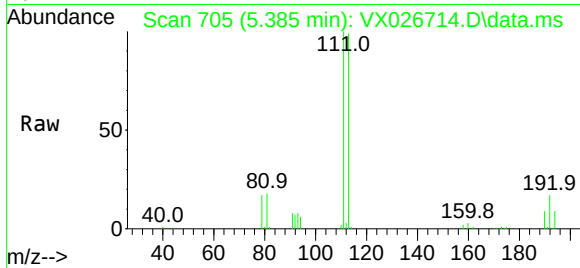




#35
Dibromofluoromethane
Concen: 48.236 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

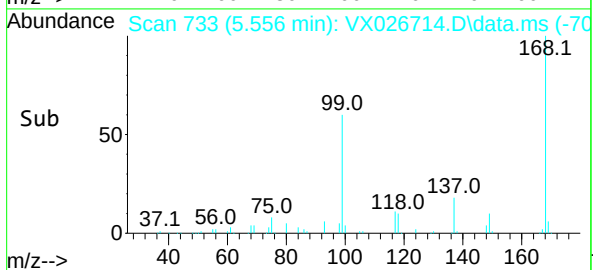
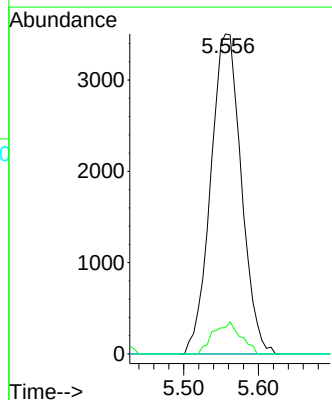
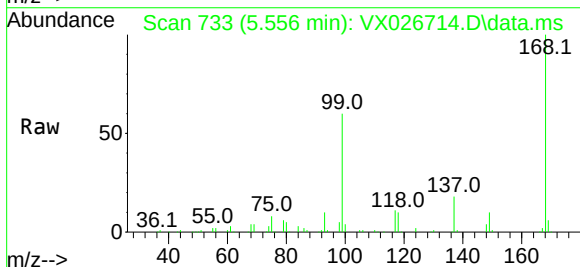
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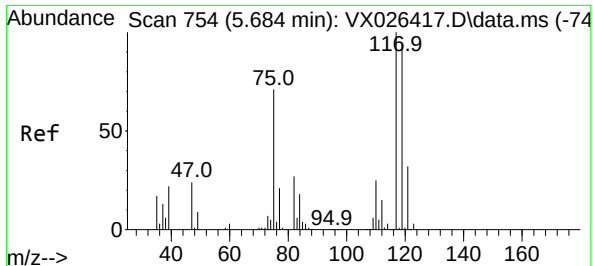
Tgt Ion:113 Resp: 68822
Ion Ratio Lower Upper
113 100
111 103.0 81.2 121.8
192 18.8 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.428 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

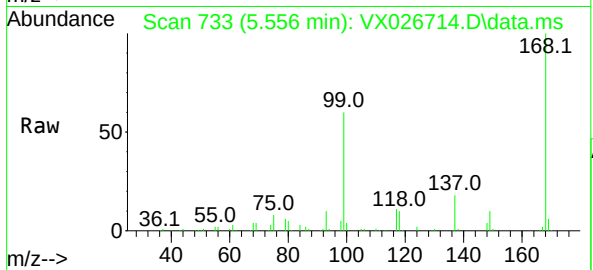
Tgt Ion: 75 Resp: 9973
Ion Ratio Lower Upper
75 100
110 9.0 17.2 51.6#
77 0.0 24.6 36.8#



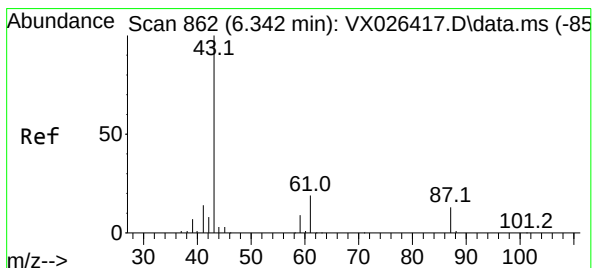
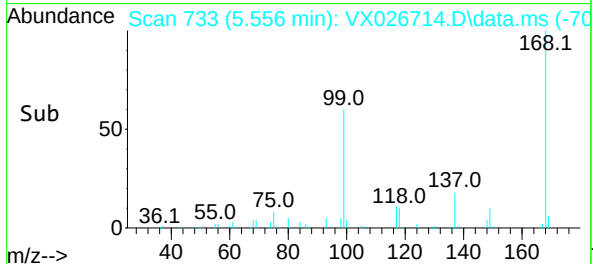
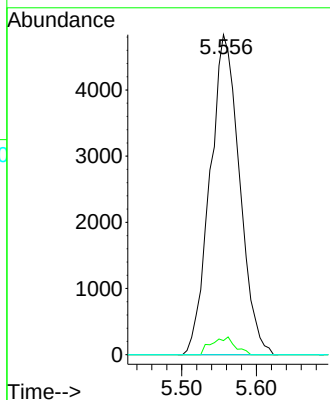


#38
Carbon Tetrachloride
Concen: 5.728 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#07

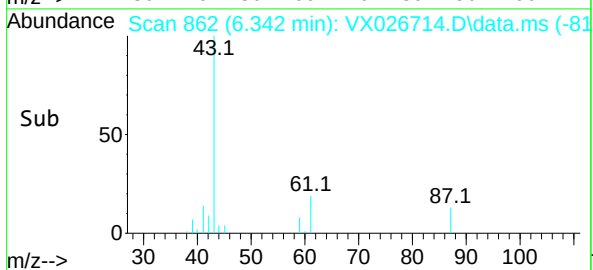
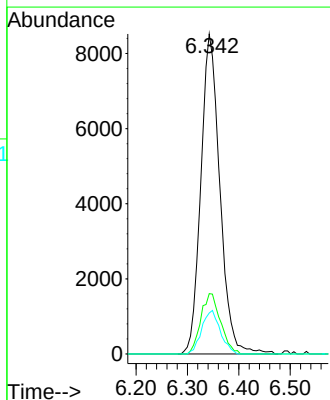
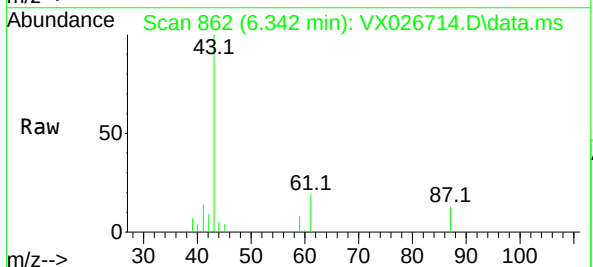


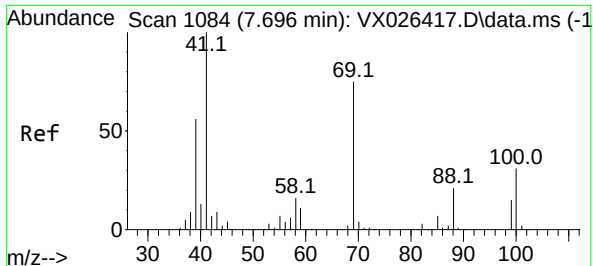
Tgt Ion:117 Resp: 13272
Ion Ratio Lower Upper
117 100
119 4.4 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 5.955 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

Tgt Ion: 43 Resp: 21916
Ion Ratio Lower Upper
43 100
61 19.4 15.4 23.0
87 13.3 10.2 15.2





#48

Methyl methacrylate

Concen: 3.510 ug/l

RT: 7.598 min Scan# 1102

Delta R.T. -0.098 min

Lab File: VX026714.D

Acq: 01 Feb 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

PB142403ZHE#07

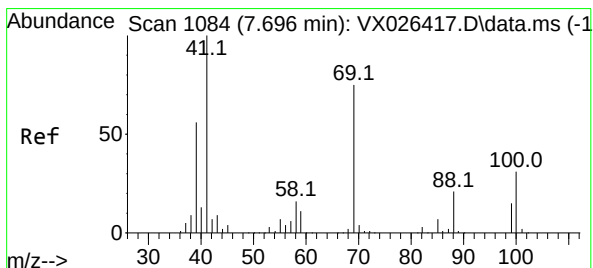
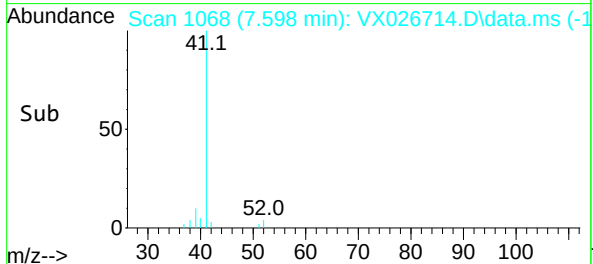
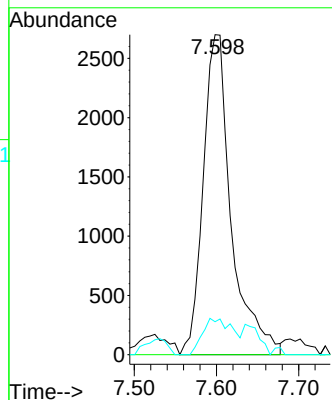
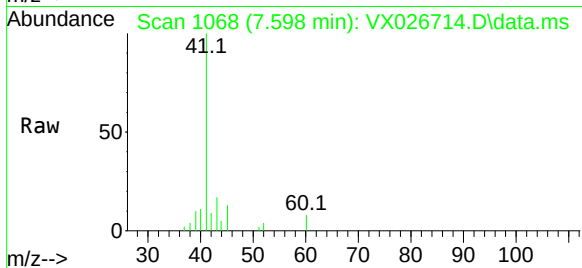
Tgt Ion: 41 Resp: 6403

Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.4#

39 0.0 45.4 68.0#



#49

1,4-Dioxane

Concen: 6.748 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.110 min

Lab File: VX026714.D

Acq: 01 Feb 2022 18:02

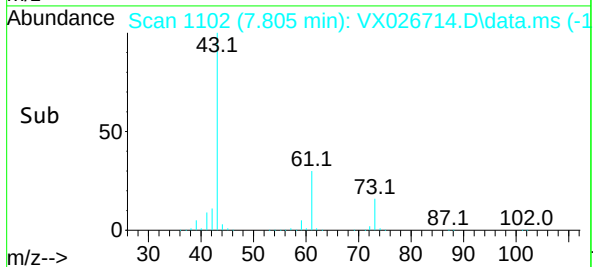
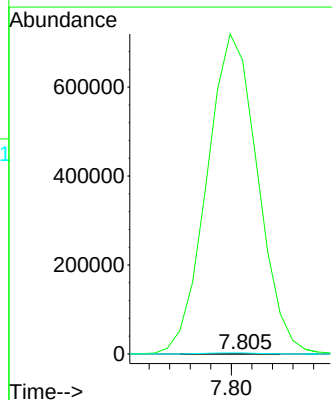
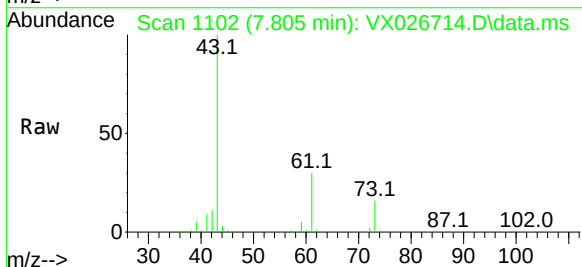
Tgt Ion: 88 Resp: 202

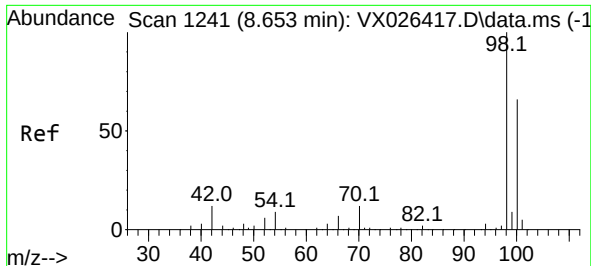
Ion Ratio Lower Upper

88 100

43 613670.8 29.9 44.9#

58 2240.6 57.8 86.6#

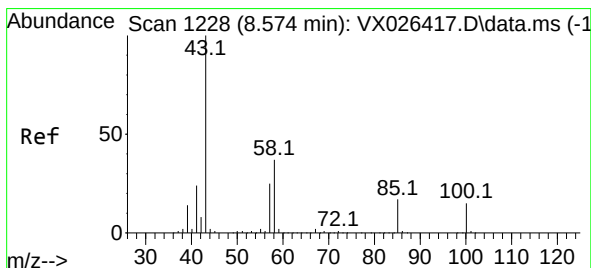
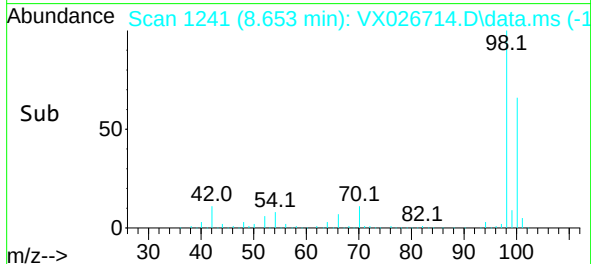
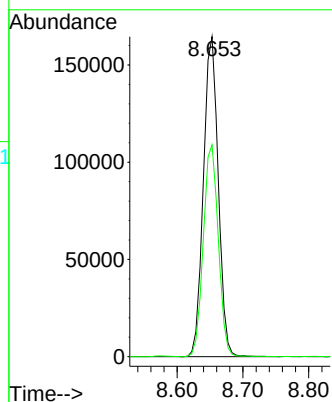
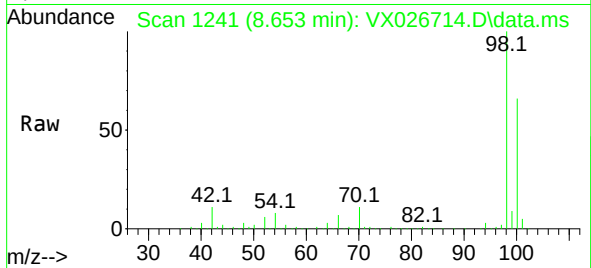




#50
Toluene-d8
Concen: 50.211 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

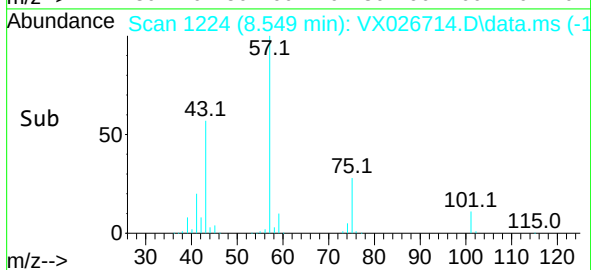
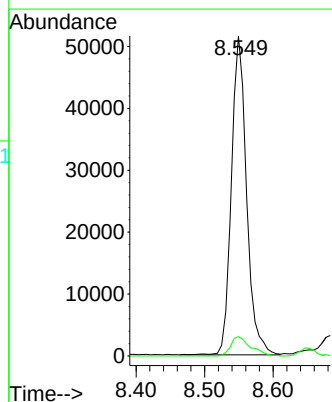
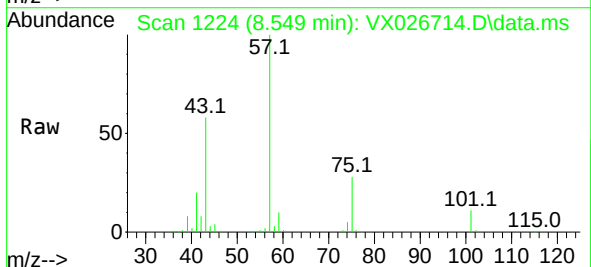
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#07

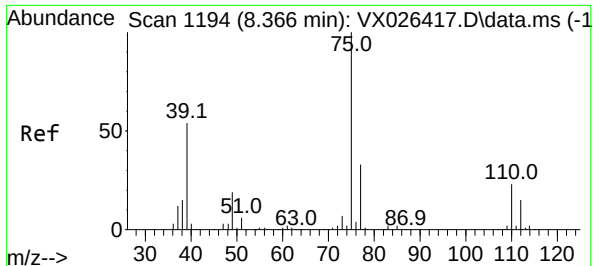
Tgt Ion: 98 Resp: 258164
Ion Ratio Lower Upper
98 100
100 66.9 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 36.235 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

Tgt Ion: 43 Resp: 79102
Ion Ratio Lower Upper
43 100
58 8.0 30.5 45.7#

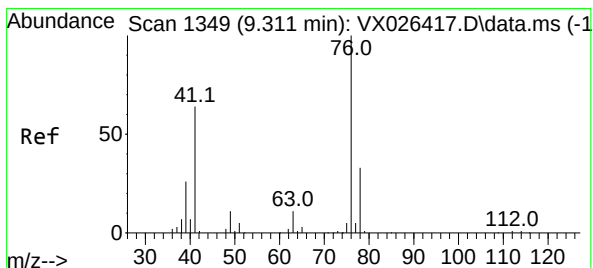
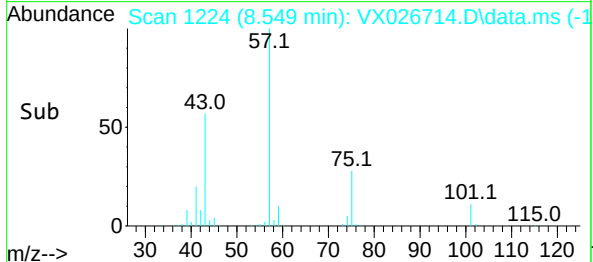
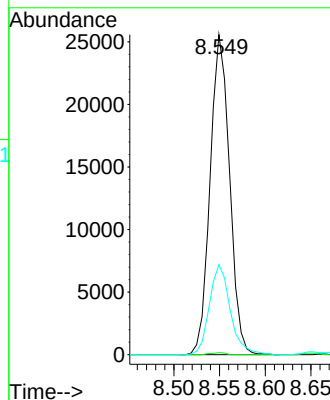
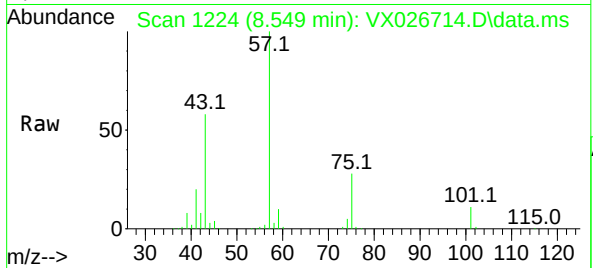




#54
 cis-1,3-Dichloropropene
 Concen: 15.887 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026714.D
 Acq: 01 Feb 2022 18:02

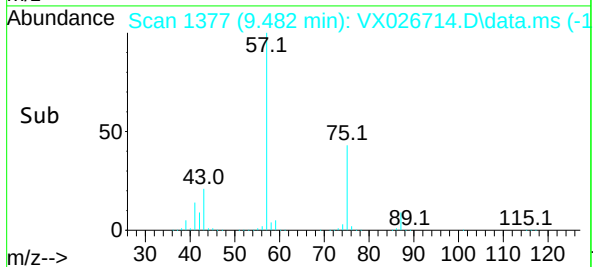
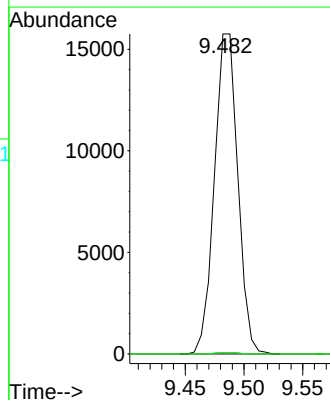
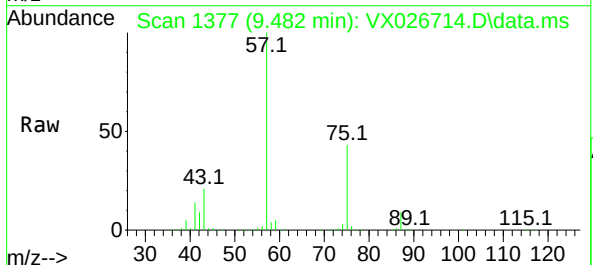
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142403ZHE#07

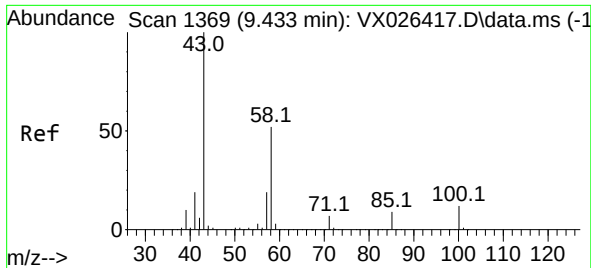
Tgt Ion: 75 Resp: 37769
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.2 39.2#
 39 28.1 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 8.457 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX026714.D
 Acq: 01 Feb 2022 18:02

Tgt Ion: 76 Resp: 21845
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.7 38.5#

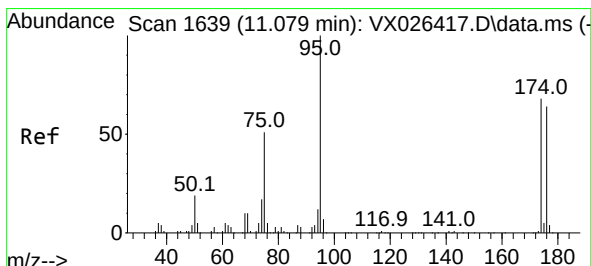
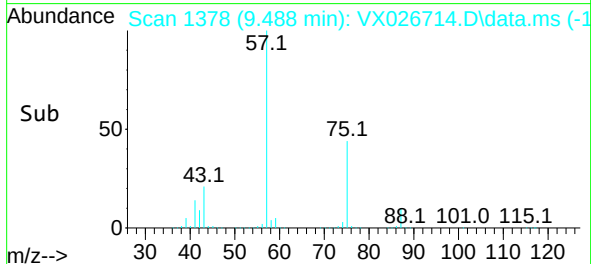
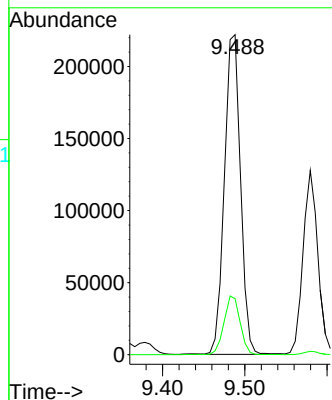
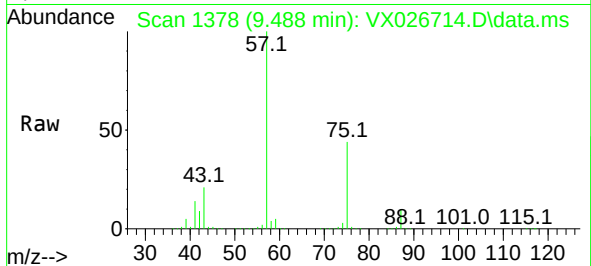




#59
2-Hexanone
Concen: 181.477 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

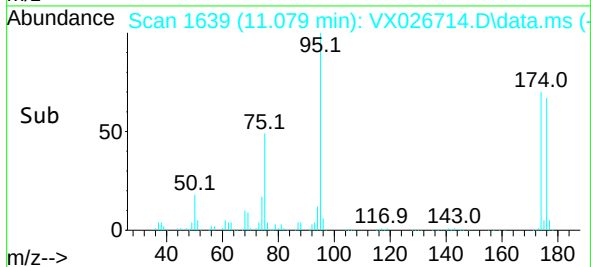
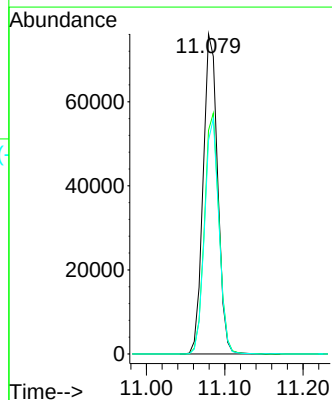
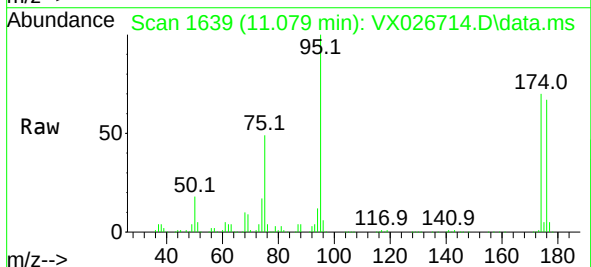
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#07

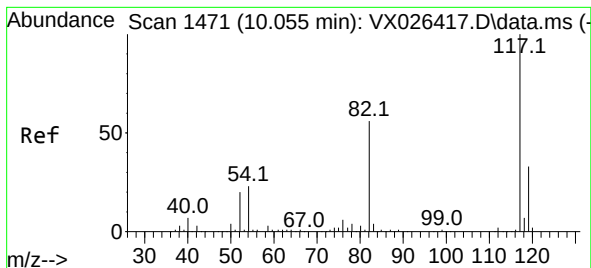
Tgt Ion: 43 Resp: 303219
Ion Ratio Lower Upper
43 100
58 18.3 26.4 79.2#



#62
4-Bromofluorobenzene
Concen: 53.481 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

Tgt Ion: 95 Resp: 97681
Ion Ratio Lower Upper
95 100
174 75.4 0.0 148.6
176 72.8 0.0 141.4

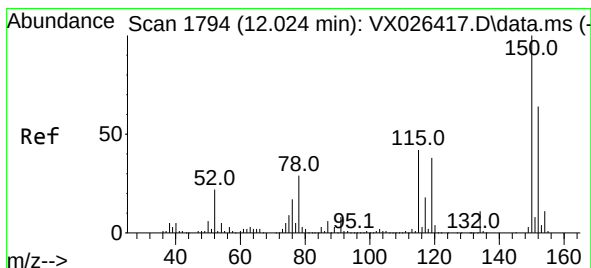
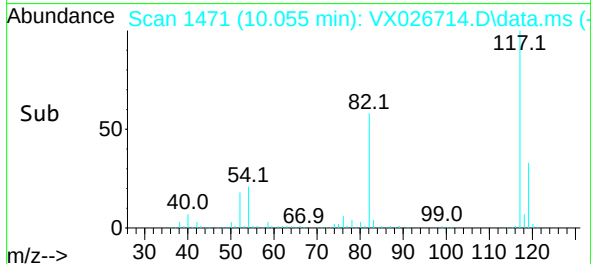
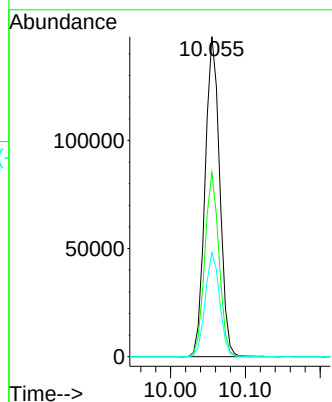
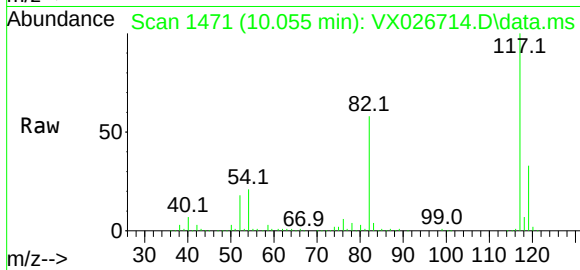




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

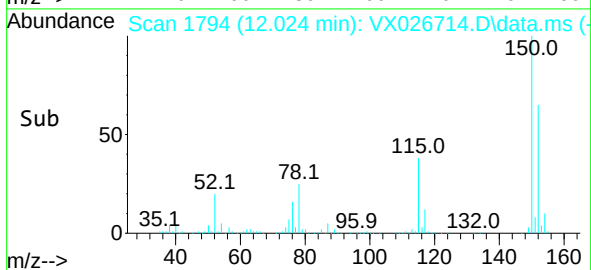
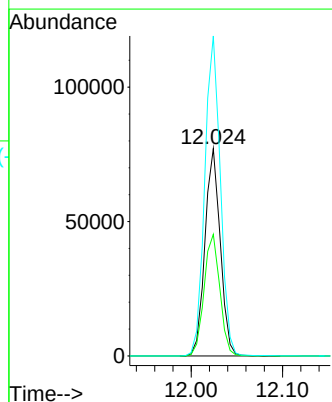
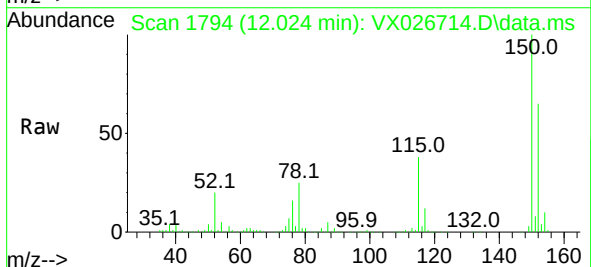
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#07

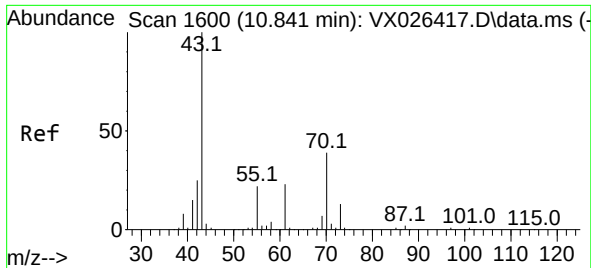
Tgt Ion:117 Resp: 200762
Ion Ratio Lower Upper
117 100
82 57.6 45.2 67.8
119 32.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

Tgt Ion:152 Resp: 89790
Ion Ratio Lower Upper
152 100
115 60.4 44.2 132.6
150 157.2 0.0 348.2

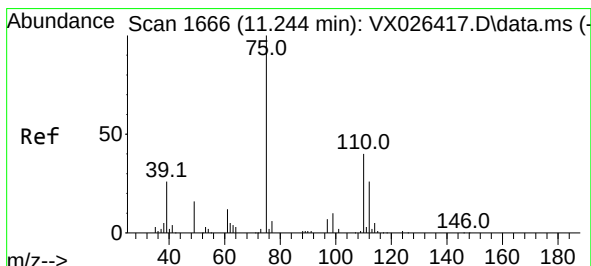
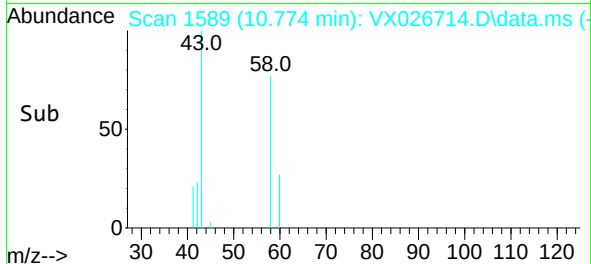
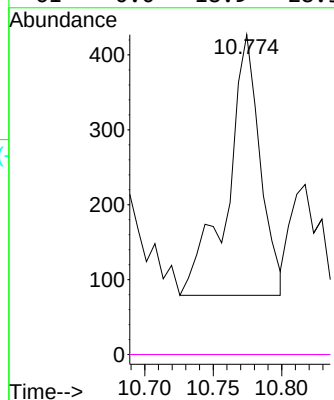
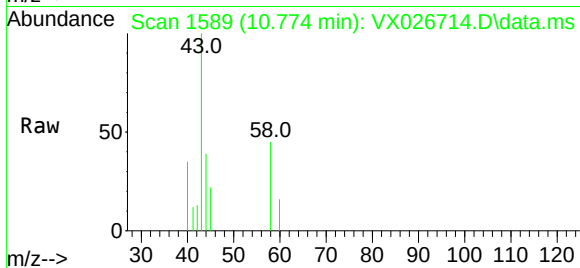




#74
N-amy1 acetate
Concen: 0.203 ug/l
RT: 10.774 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

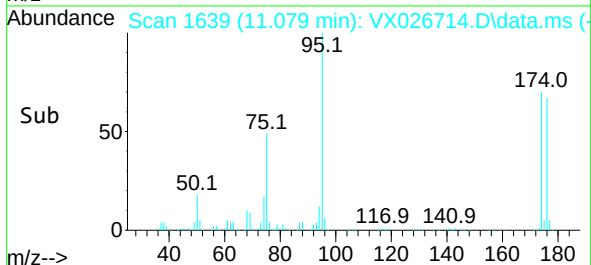
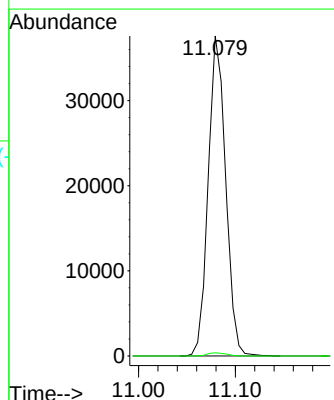
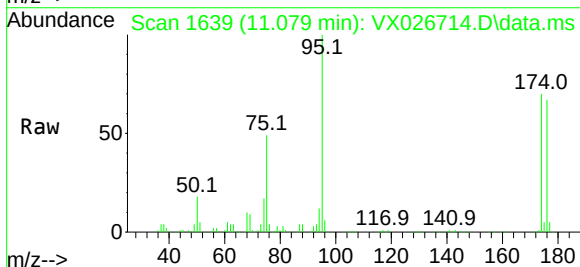
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#07

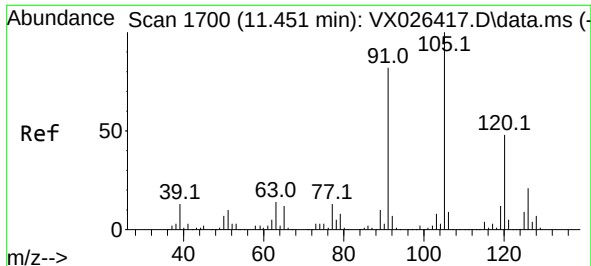
Tgt Ion: 43	Resp:	578
Ion	Ratio	Lower Upper
43	100	
70	0.0	32.9 49.3#
55	0.0	18.3 27.5#
61	0.0	18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 23.923 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

Tgt Ion: 75	Resp:	47296
Ion	Ratio	Lower Upper
75	100	
77	1.0	18.3 54.8#

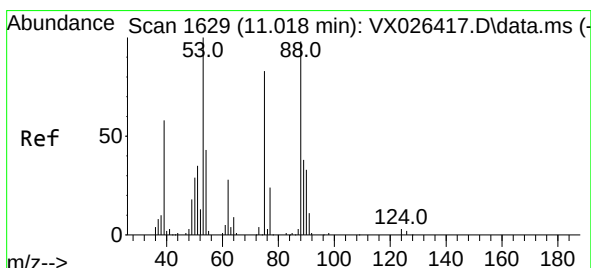
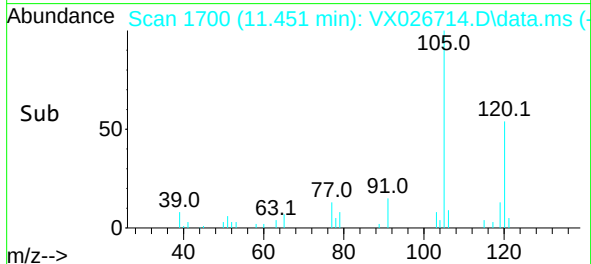
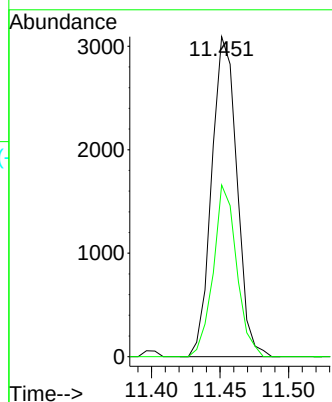
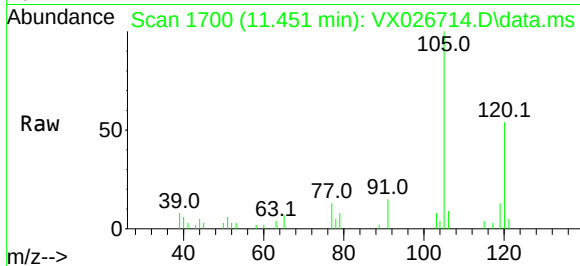




#80
1,3,5-Trimethylbenzene
Concen: 0.651 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#07

Tgt Ion:105 Resp: 3949
Ion Ratio Lower Upper
105 100
120 49.7 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 72.932 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026714.D
Acq: 01 Feb 2022 18:02

Tgt Ion: 75 Resp: 47296
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

