

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013122\
 Data File : VX026681.D
 Acq On : 31 Jan 2022 15:31
 Operator : JC/MD
 Sample : PB142369ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142369ZHE#04

Quant Time: Jan 31 16:33:34 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	135026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226114	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90108	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85408	45.280	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.560%
35) Dibromofluoromethane	5.391	113	69688	47.726	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.460%
50) Toluene-d8	8.653	98	269738	51.263	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.520%
62) 4-Bromofluorobenzene	11.079	95	98139	52.503	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.000%

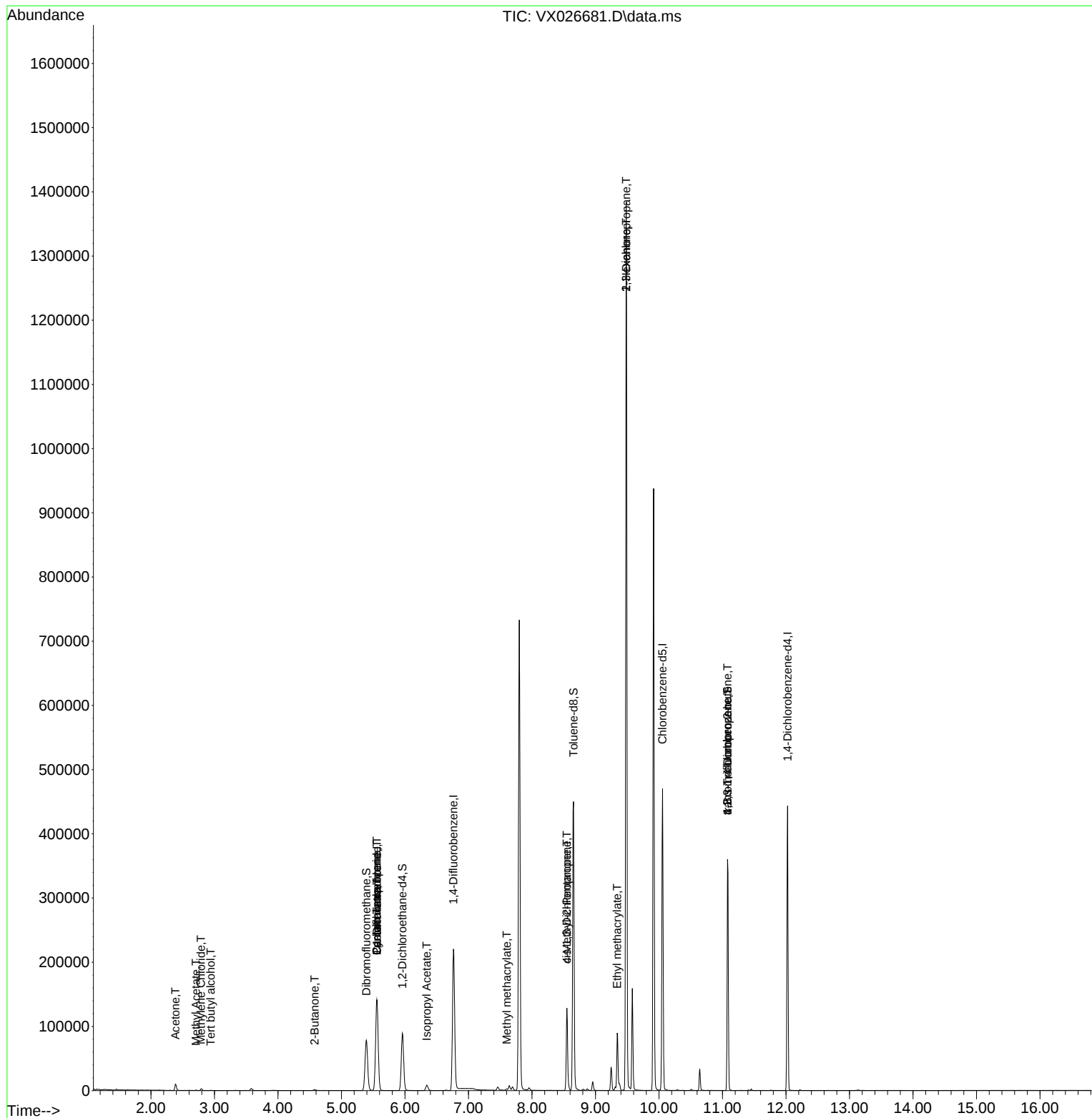
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.941	59	134	0.511	ug/l #	75
16) Acetone	2.386	43	11846	12.315	ug/l	98
18) Methyl Acetate	2.709	43	880	0.460	ug/l #	90
20) Methylene Chloride	2.788	84	1321	0.831	ug/l	96
25) 2-Butanone	4.574	43	2537	2.028	ug/l	100
31) Cyclohexane	5.556	56	2622	0.942	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10520	4.564	ug/l #	51
38) Carbon Tetrachloride	5.556	117	13738	5.794	ug/l #	17
43) Isopropyl Acetate	6.342	43	11750	3.120	ug/l	100
48) Methyl methacrylate	7.604	41	3506	1.878	ug/l #	16
51) 4-Methyl-2-Pentanone	8.549	43	43747	19.581	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	20228	8.314	ug/l #	57
56) Ethyl methacrylate	9.342	69	491	0.210	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	12163	4.601	ug/l #	43
59) 2-Hexanone	9.482	43	167401	97.899	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	49329	24.864	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	49329	75.603	ug/l #	3

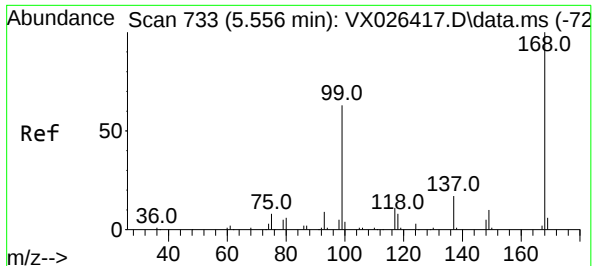
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 11 14:45:13 2022
Response via : Initial Calibration

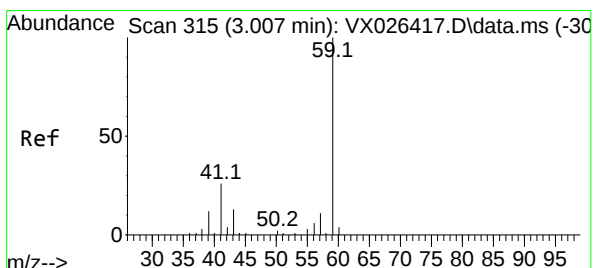
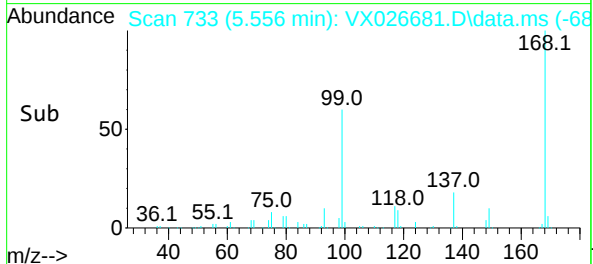
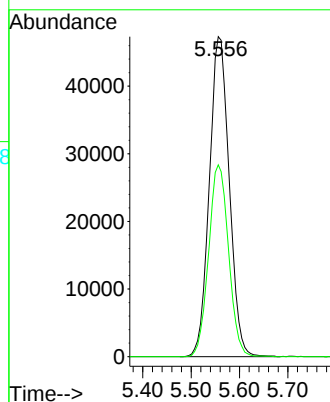
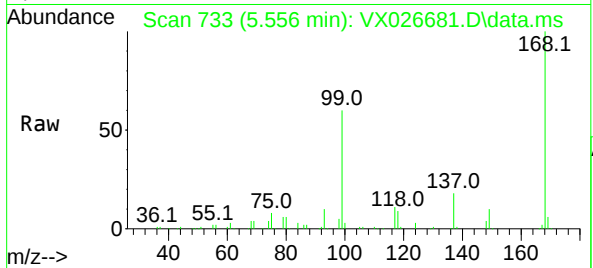




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

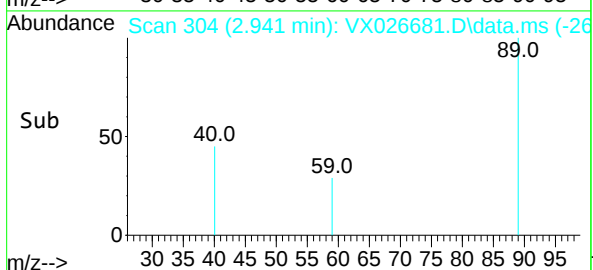
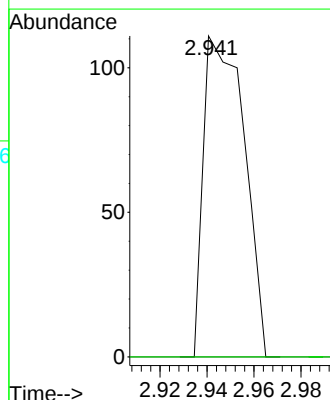
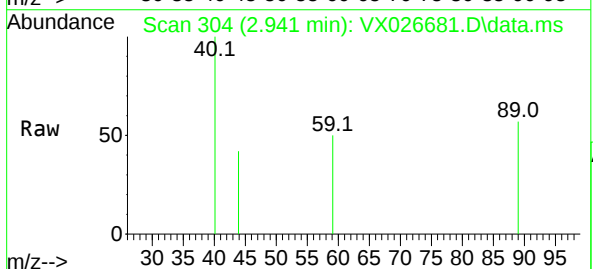
Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#04

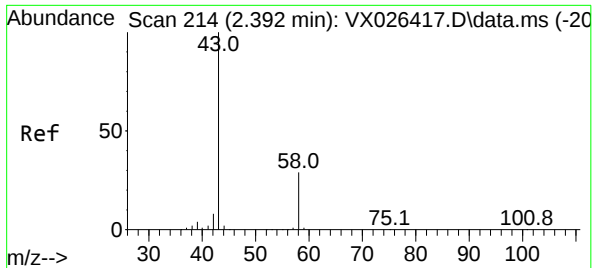
Tgt Ion:168 Resp: 135026
Ion Ratio Lower Upper
168 100
99 59.9 50.3 75.5



#11
Tert butyl alcohol
Concen: 0.511 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.066 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

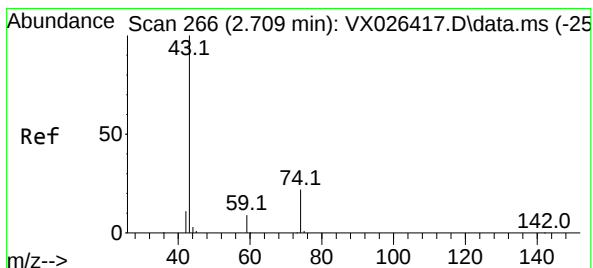
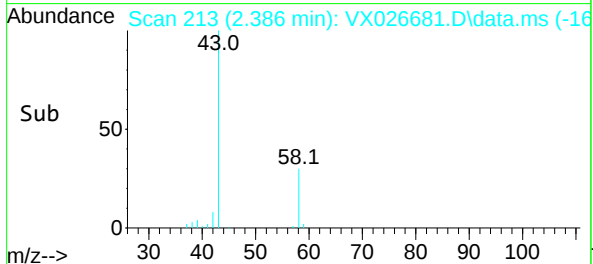
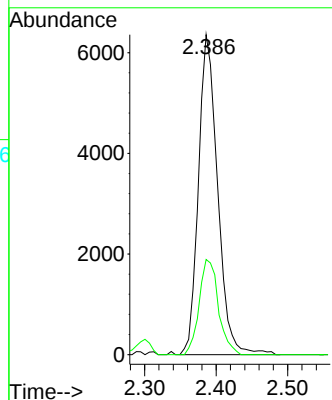
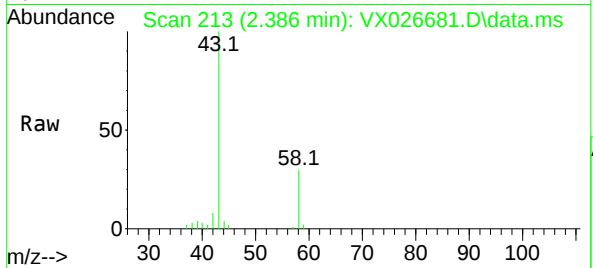




#16
Acetone
Concen: 12.315 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

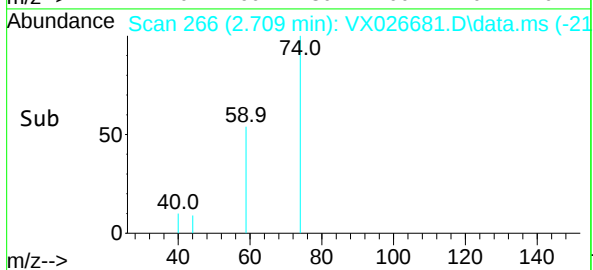
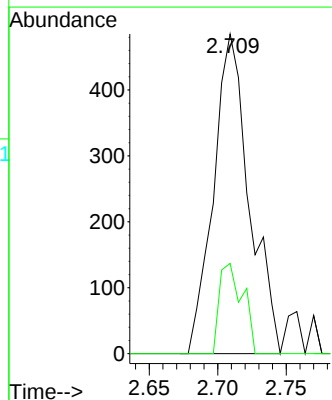
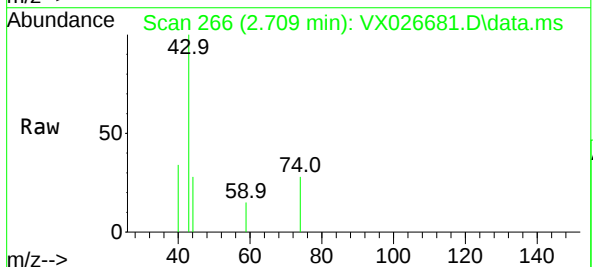
Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#04

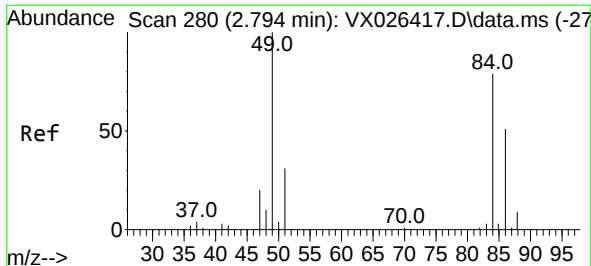
Tgt Ion: 43 Resp: 11846
Ion Ratio Lower Upper
43 100
58 29.7 23.0 34.6



#18
Methyl Acetate
Concen: 0.460 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

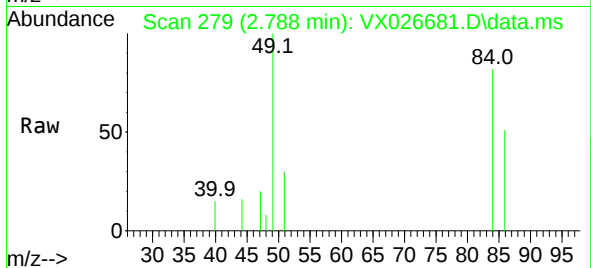
Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
74 18.3 18.3 27.5#



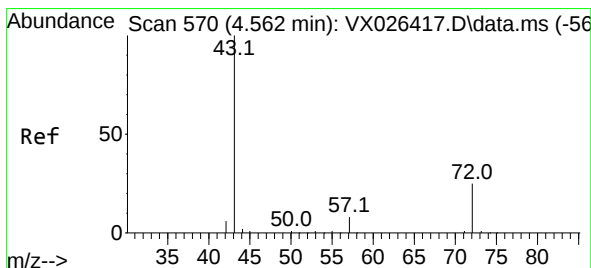
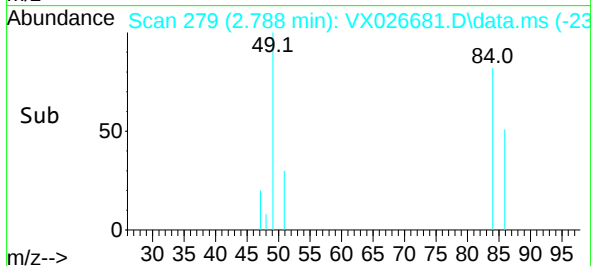
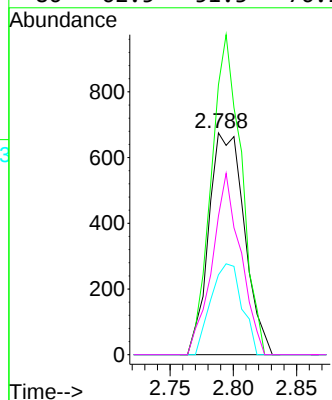


#20
Methylene Chloride
Concen: 0.831 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#04

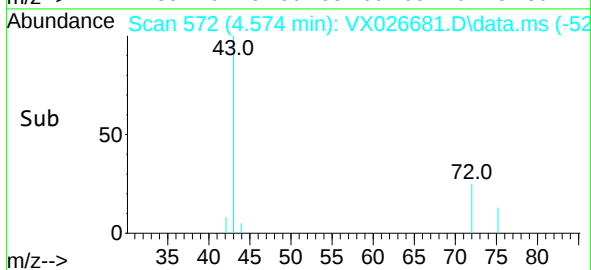
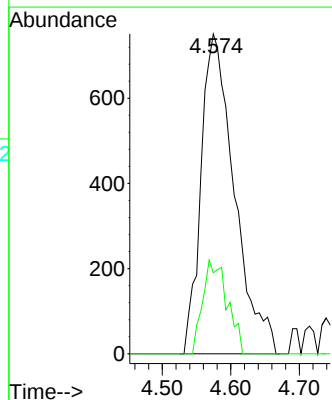
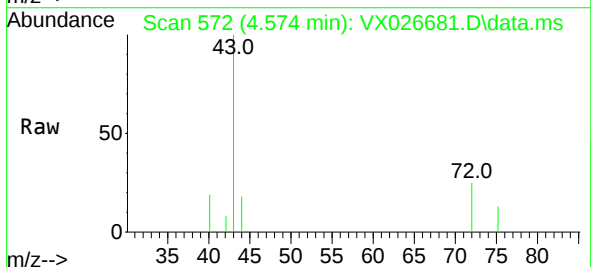


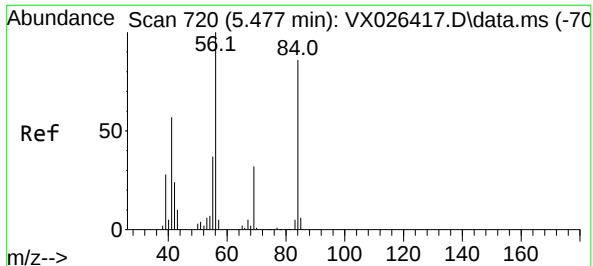
Tgt Ion: 84	Resp: 1321
Ion Ratio	Lower Upper
84 100	
49 121.6	101.5 152.3
51 36.0	31.2 46.8
86 62.5	51.3 76.9



#25
2-Butanone
Concen: 2.028 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

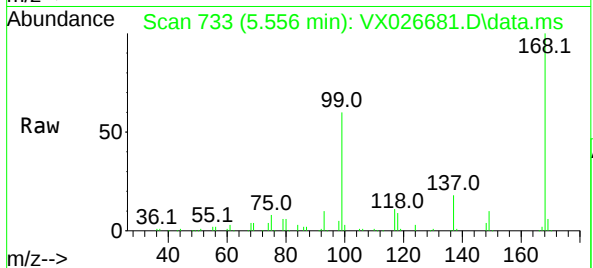
Tgt Ion: 43	Resp: 2537		
Ion Ratio	Lower	Upper	
43 100			
72 25.3	20.4	30.6	



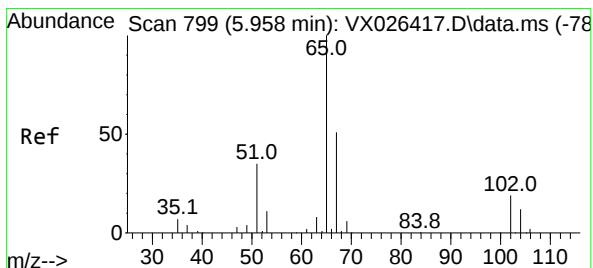
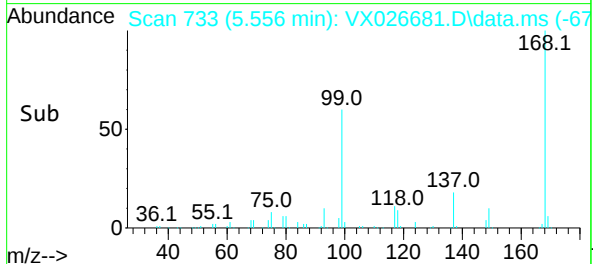
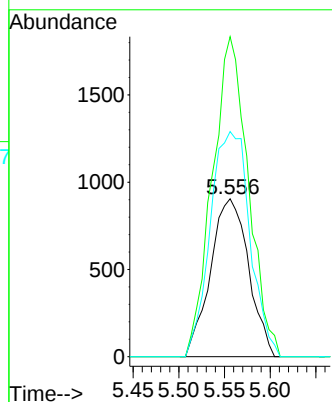


#31
Cyclohexane
Concen: 0.942 ug/l
RT: 5.556 min Scan# 711
Delta R.T. 0.079 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#04

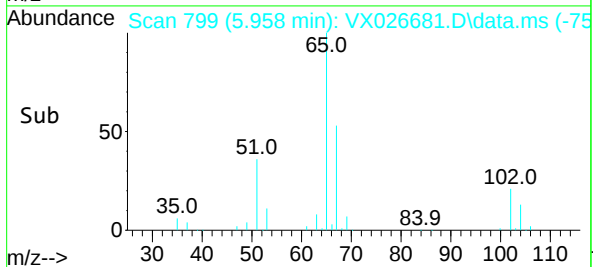
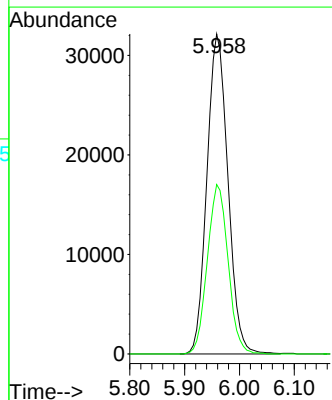
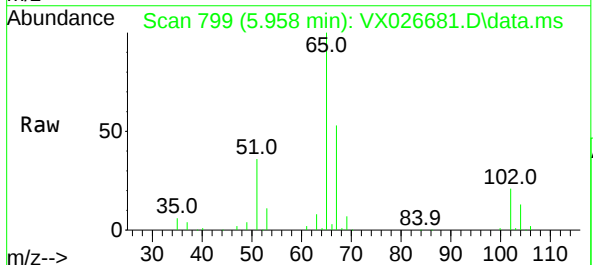


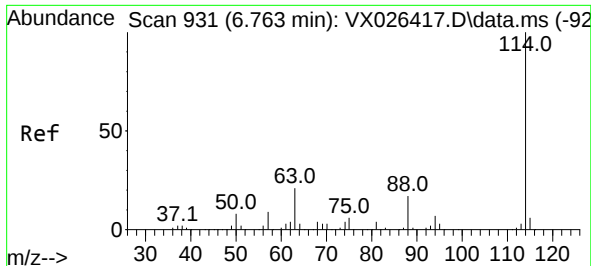
Tgt Ion: 56 Resp: 2622
Ion Ratio Lower Upper
56 100
69 202.7 25.8 38.6#
84 142.5 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 45.280 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

Tgt Ion: 65 Resp: 85408
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.8

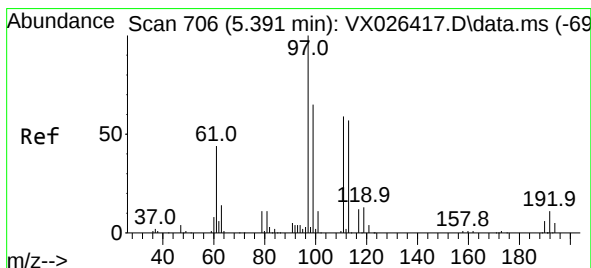
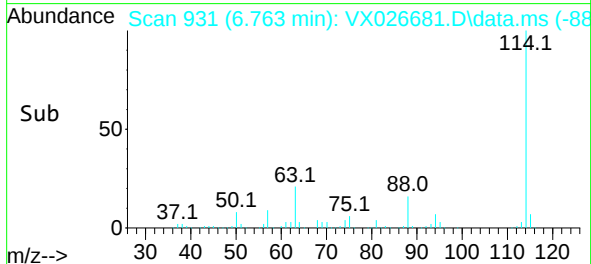
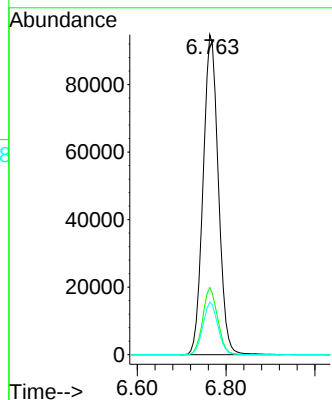
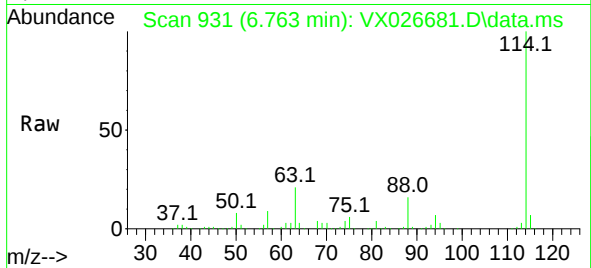




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

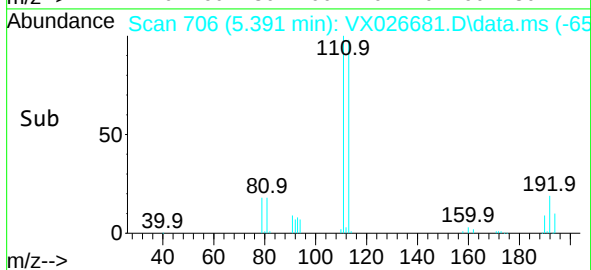
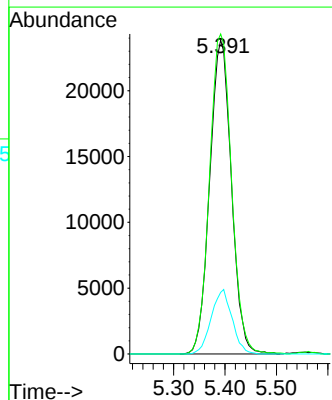
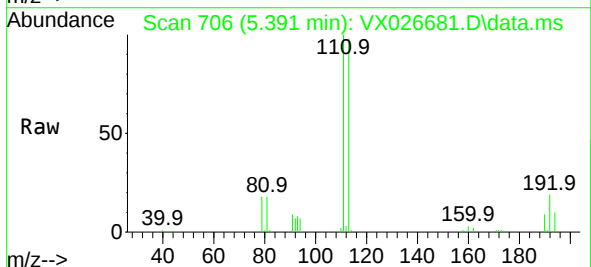
Instrument :
MSVOA_X
ClientSampleId :
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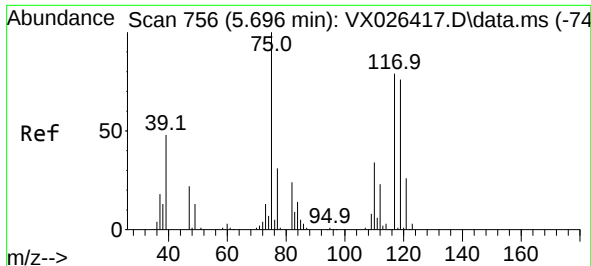
Tgt Ion:114 Resp: 226114
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.8
88 16.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.726 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

Tgt Ion:113 Resp: 69688
Ion Ratio Lower Upper
113 100
111 103.7 81.2 121.8
192 19.8 15.0 22.4

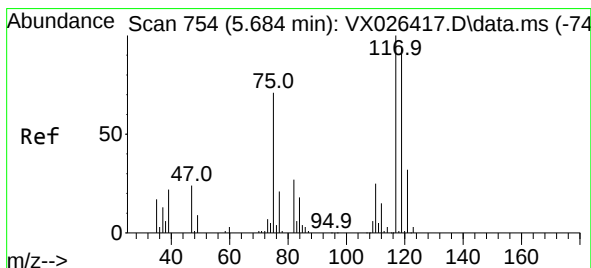
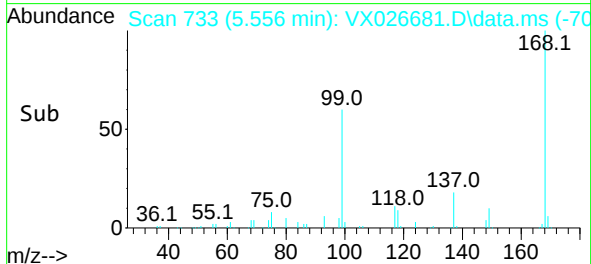
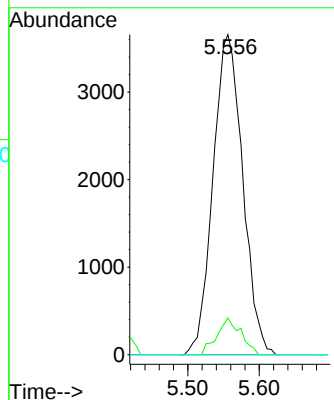
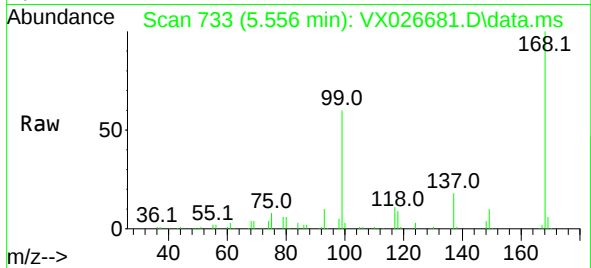




#36
1,1-Dichloropropene
Concen: 4.564 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

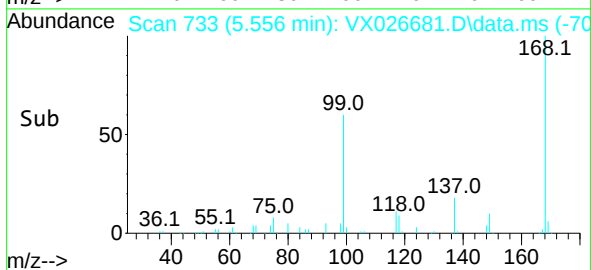
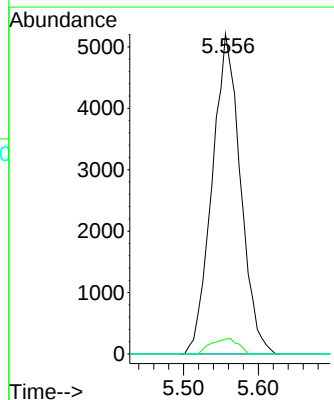
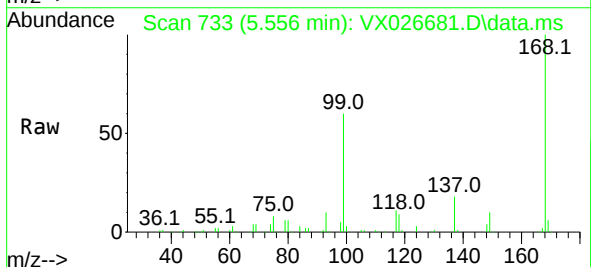
Instrument :
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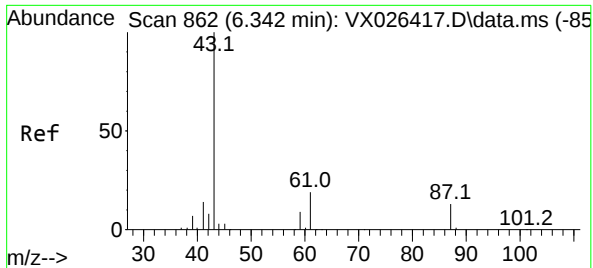
Tgt Ion: 75 Resp: 10520
Ion Ratio Lower Upper
75 100
110 9.3 17.2 51.6#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.794 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

Tgt Ion: 117 Resp: 13738
Ion Ratio Lower Upper
117 100
119 4.5 74.7 112.1#
121 0.0 25.4 38.0#

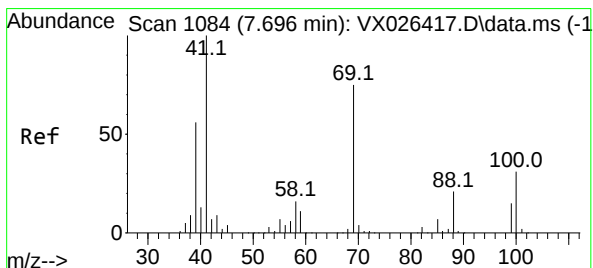
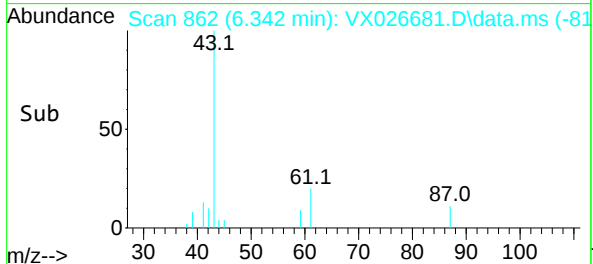
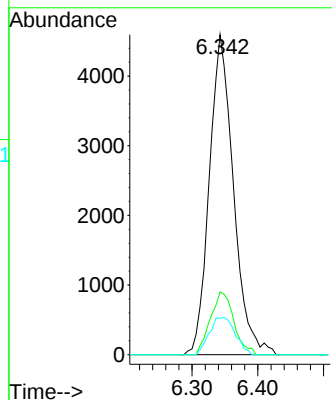
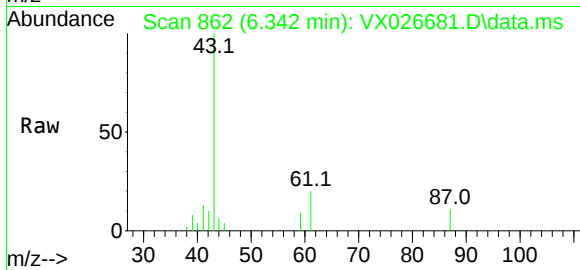




#43
Isopropyl Acetate
Concen: 3.120 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

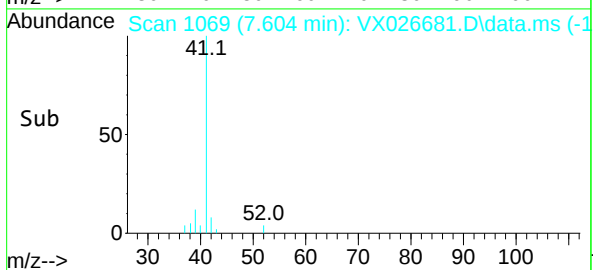
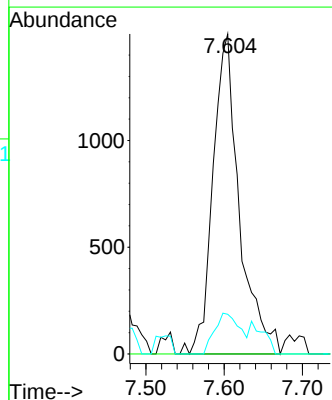
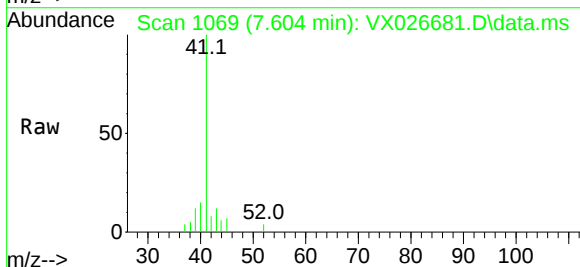
Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#04

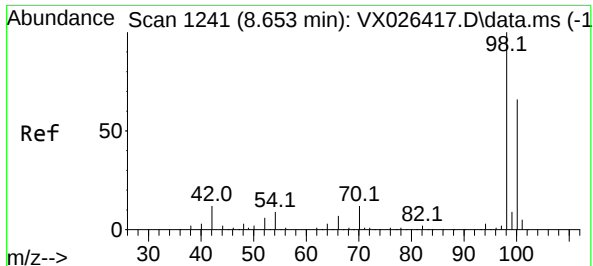
Tgt Ion: 43 Resp: 11750
Ion Ratio Lower Upper
43 100
61 19.0 15.4 23.0
87 12.4 10.2 15.2



#48
Methyl methacrylate
Concen: 1.878 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.091 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

Tgt Ion: 41 Resp: 3506
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 0.0 45.4 68.0#

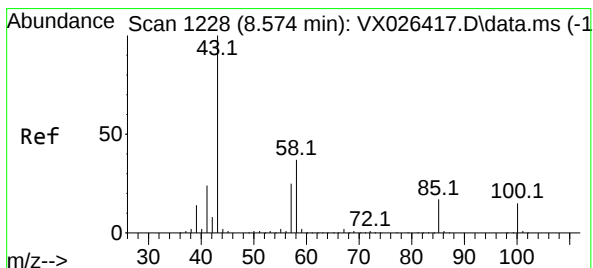
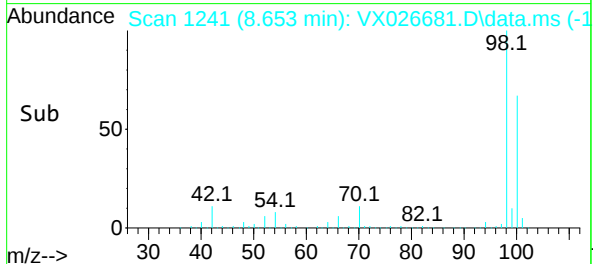
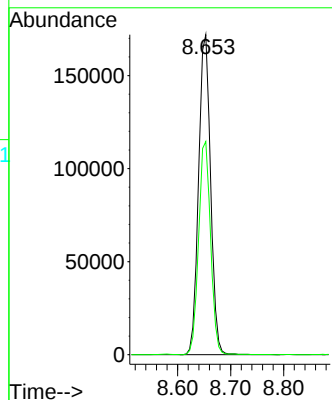
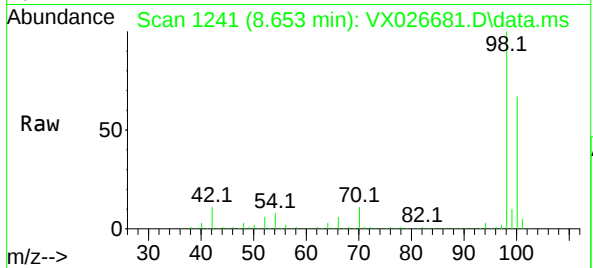




#50
Toluene-d8
Concen: 51.263 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

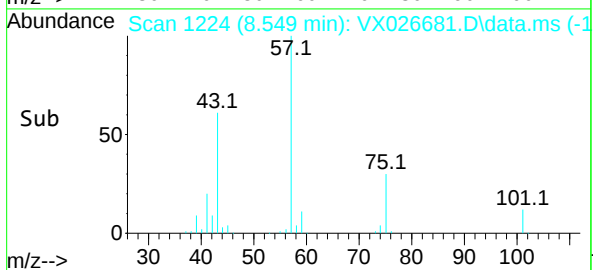
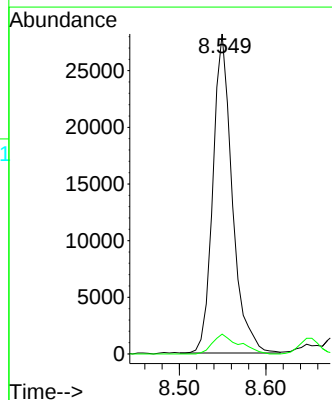
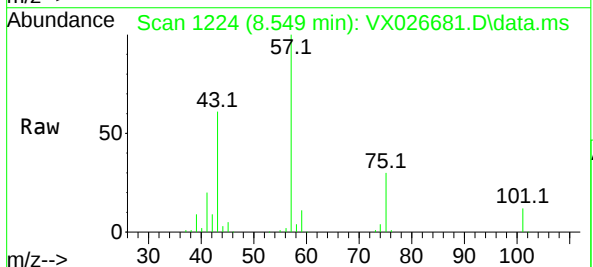
Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#04

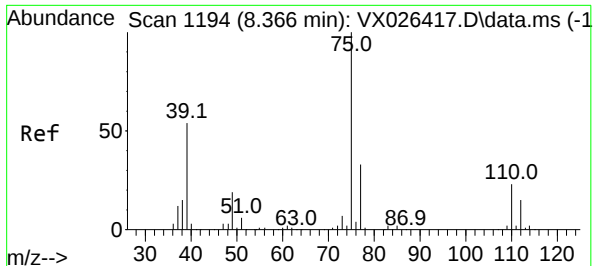
Tgt Ion: 98 Resp: 269738
Ion Ratio Lower Upper
98 100
100 66.4 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 19.581 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

Tgt Ion: 43 Resp: 43747
Ion Ratio Lower Upper
43 100
58 8.5 30.5 45.7#

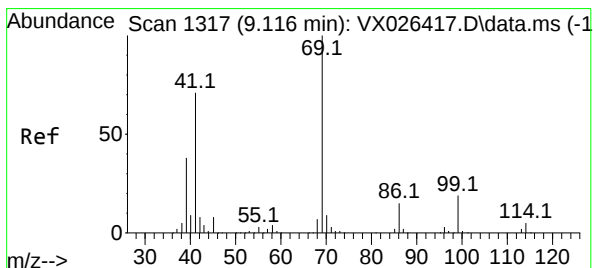
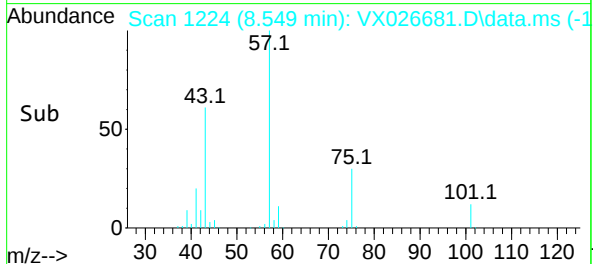
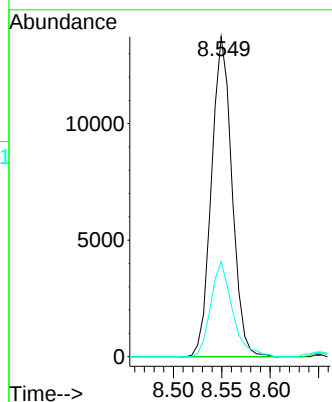
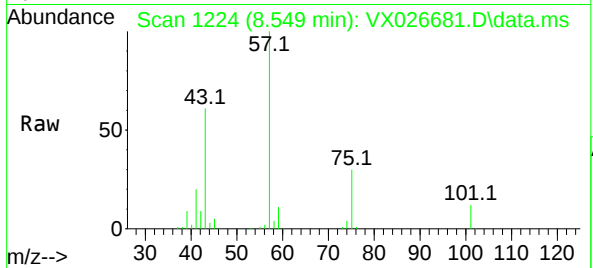




#54
 cis-1,3-Dichloropropene
 Concen: 8.314 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026681.D
 Acq: 31 Jan 2022 15:31

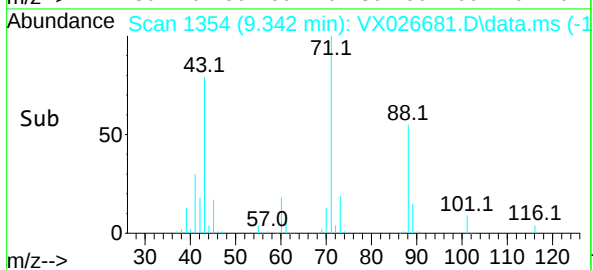
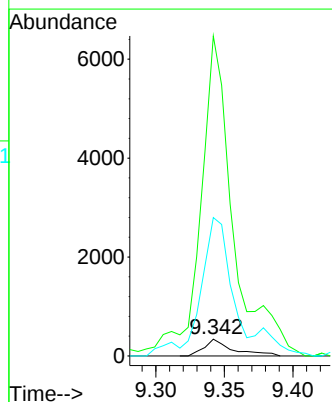
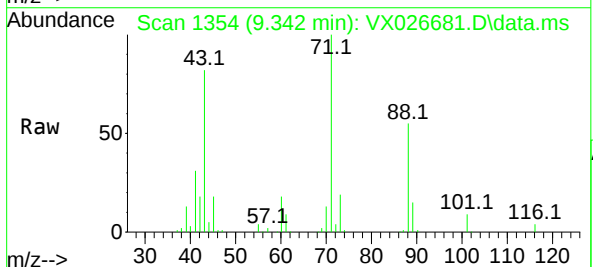
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142369ZHE#04

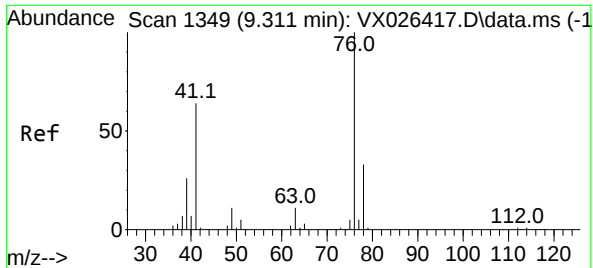
Tgt Ion: 75 Resp: 20228
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.2#
 39 29.7 43.5 65.3#



#56
 Ethyl methacrylate
 Concen: 0.210 ug/l
 RT: 9.342 min Scan# 1354
 Delta R.T. 0.226 min
 Lab File: VX026681.D
 Acq: 31 Jan 2022 15:31

Tgt Ion: 69 Resp: 491
 Ion Ratio Lower Upper
 69 100
 41 2049.5 57.2 85.8#
 39 910.6 30.9 46.3#





#57

1,3-Dichloropropane

Concen: 4.601 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX026681.D

Acq: 31 Jan 2022 15:31

Instrument :

MSVOA_X

ClientSampleId :

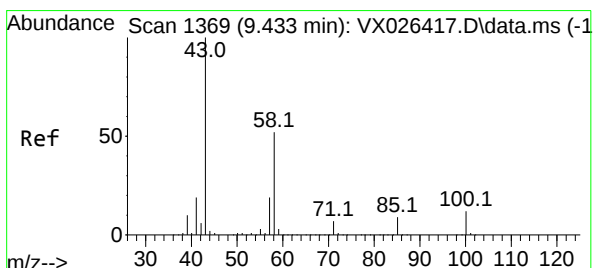
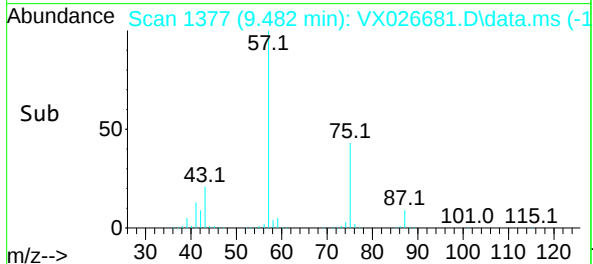
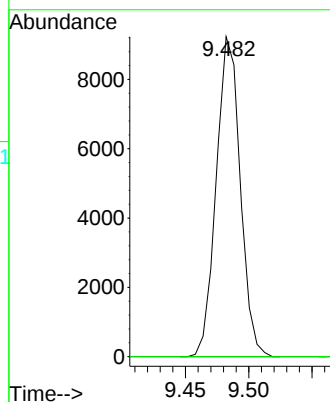
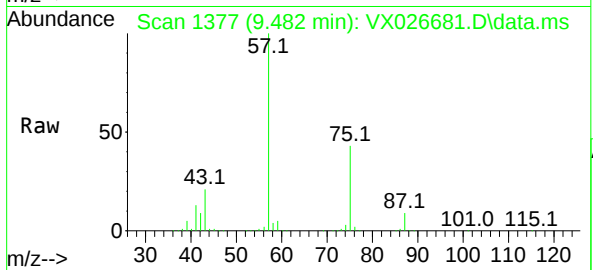
PB142369ZHE#04

Tgt Ion: 76 Resp: 12163

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 97.899 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX026681.D

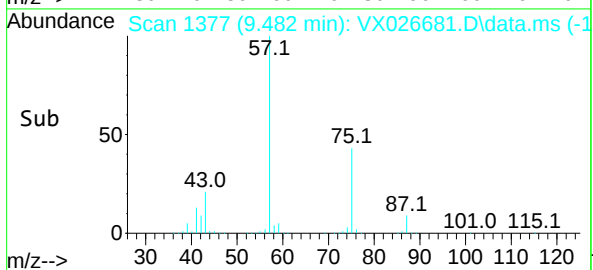
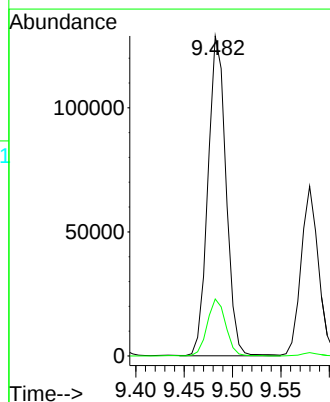
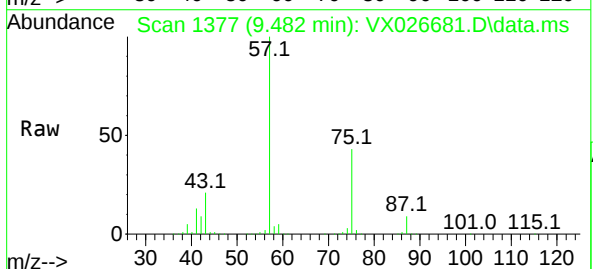
Acq: 31 Jan 2022 15:31

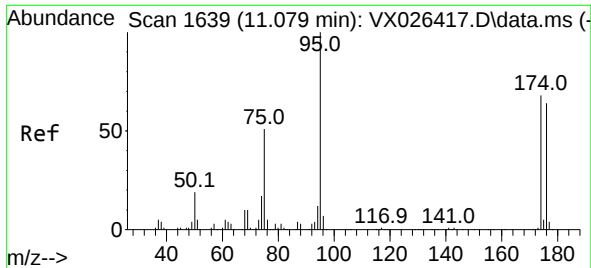
Tgt Ion: 43 Resp: 167401

Ion Ratio Lower Upper

43 100

58 18.2 26.4 79.2#

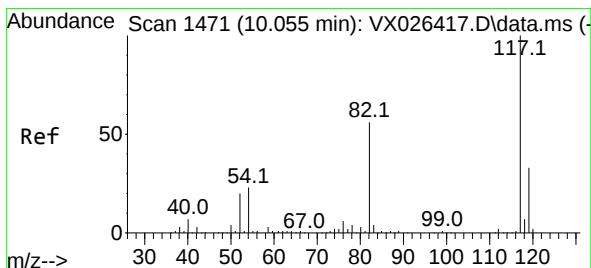
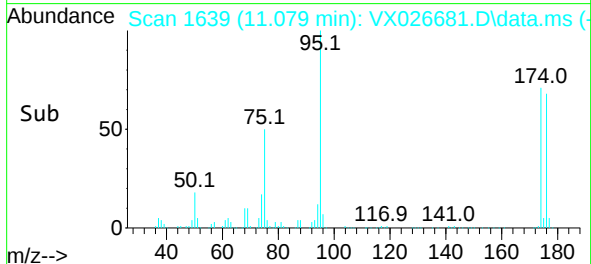
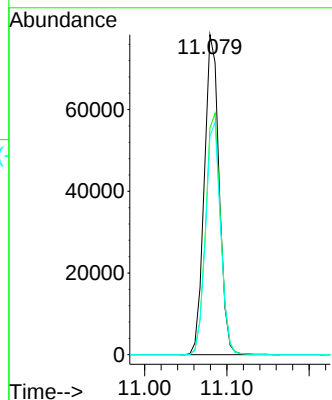
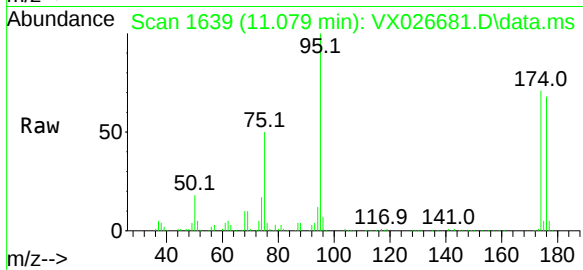




#62
4-Bromofluorobenzene
Concen: 52.503 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

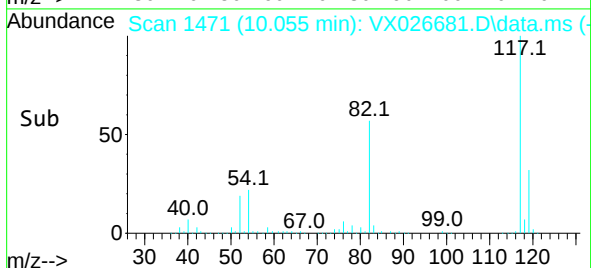
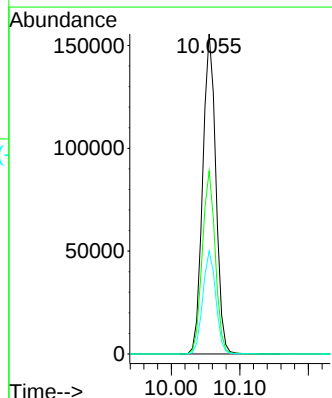
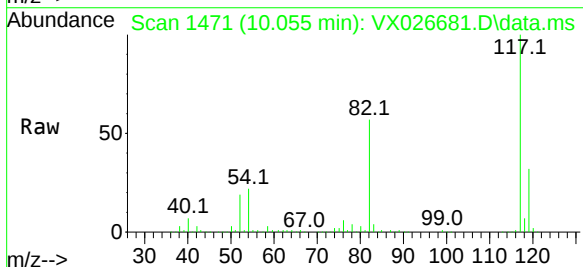
Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#04

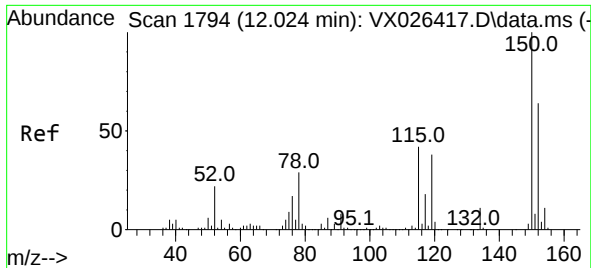
Tgt Ion: 95 Resp: 98139
Ion Ratio Lower Upper
95 100
174 76.4 0.0 148.6
176 73.5 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026681.D
Acq: 31 Jan 2022 15:31

Tgt Ion: 117 Resp: 208186
Ion Ratio Lower Upper
117 100
82 57.2 45.2 67.8
119 32.2 26.2 39.2

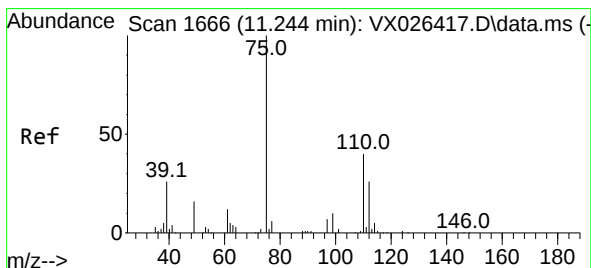
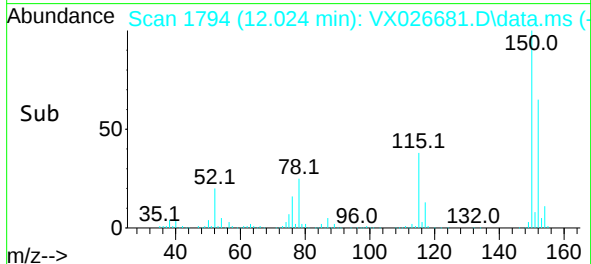
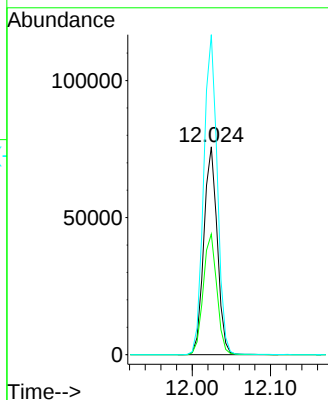
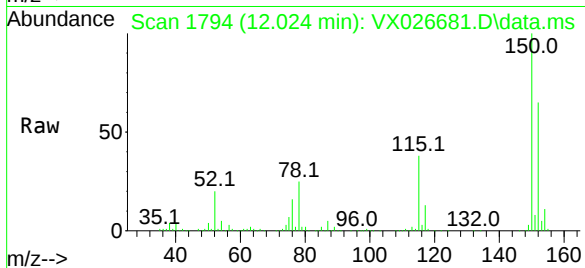




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX026681.D
 Acq: 31 Jan 2022 15:31

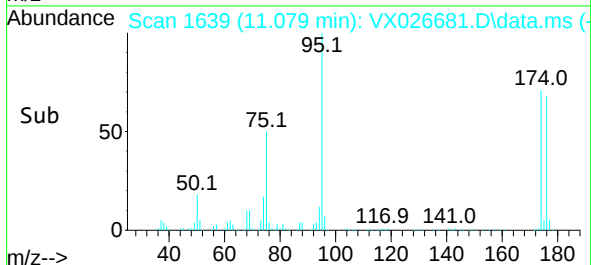
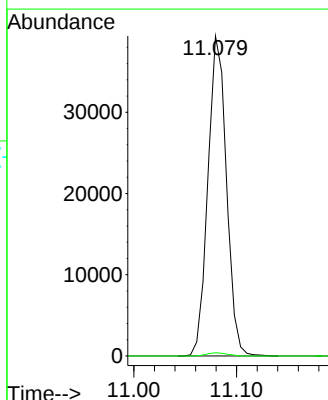
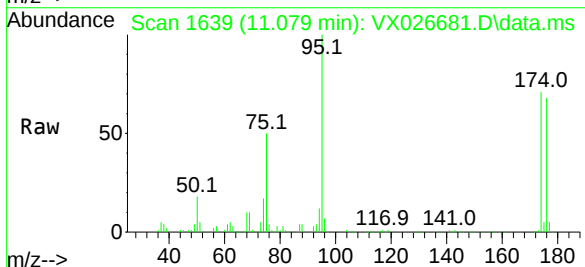
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142369ZHE#04

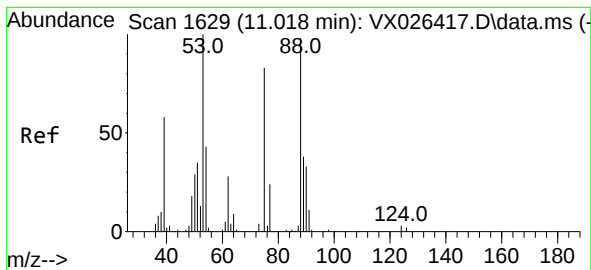
Tgt Ion:152 Resp: 90108
 Ion Ratio Lower Upper
 152 100
 115 58.7 44.2 132.6
 150 155.6 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 24.864 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX026681.D
 Acq: 31 Jan 2022 15:31

Tgt Ion: 75 Resp: 49329
 Ion Ratio Lower Upper
 75 100
 77 1.1 18.3 54.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.603 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026681.D
 Acq: 31 Jan 2022 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142369ZHE#04

Tgt Ion: 75 Resp: 49329
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

