

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051822\
 Data File : VX028801.D
 Acq On : 18 May 2022 13:22
 Operator : JC/MD
 Sample : N2884-03DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31517DL

Quant Time: May 19 01:33:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

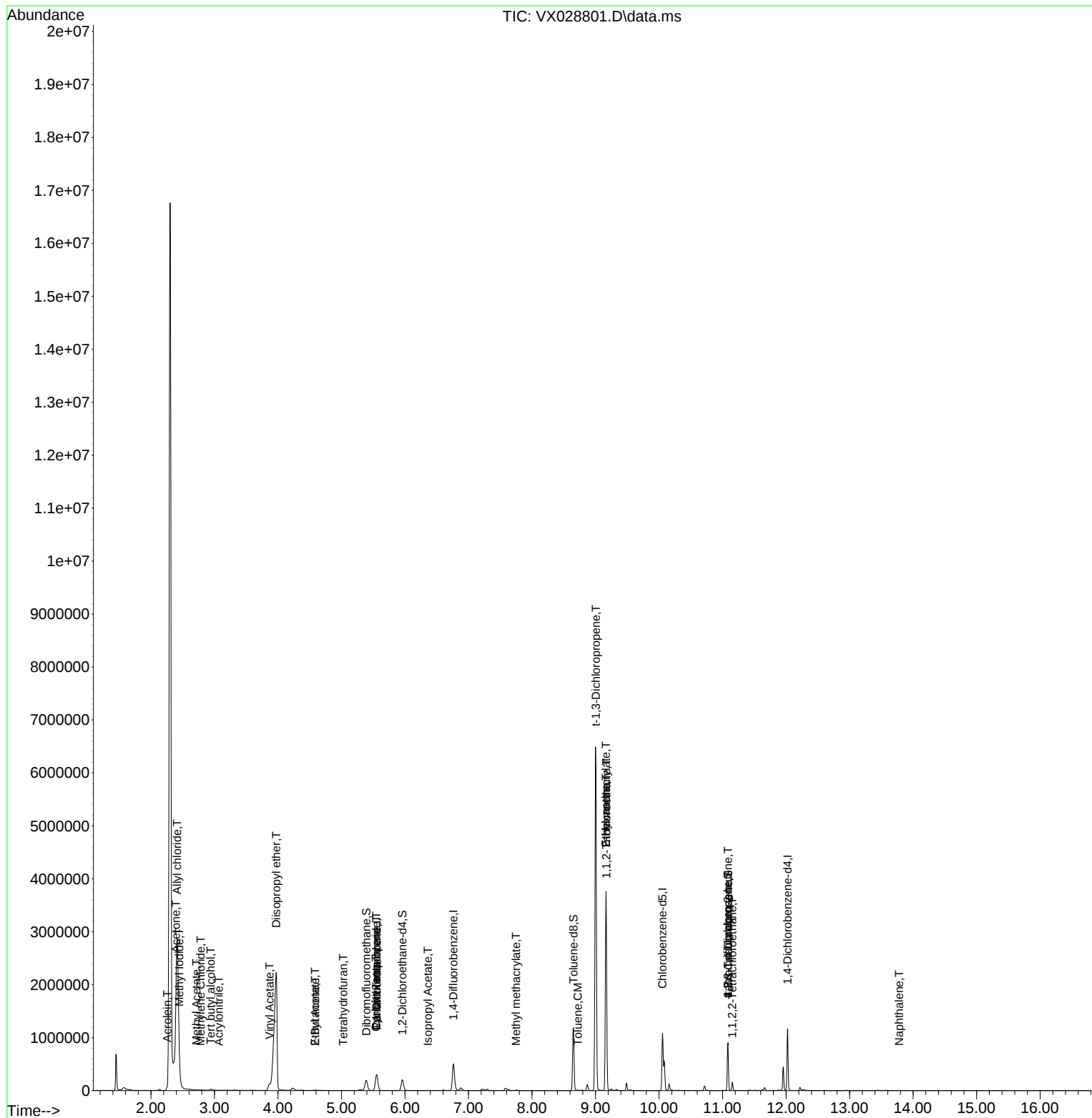
Internal Standards						
1) Pentafluorobenzene	5.556	168	283879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	506180	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	480419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	229570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	196402	50.472	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.940%			
35) Dibromofluoromethane	5.391	113	166110	50.087	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.180%			
50) Toluene-d8	8.653	98	714937	57.179	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 114.360%			
62) 4-Bromofluorobenzene	11.085	95	230595	49.376	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.760%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	1713	Below Cal	#	59
6) Chloroethane	1.691	64	599	Below Cal	#	43
10) Methyl Iodide	2.447	142	1571	0.415	ug/l #	96
11) Tert butyl alcohol	2.940	59	14527	9.929	ug/l #	72
13) Acrolein	2.258	56	55647	87.123	ug/l #	15
14) Allyl chloride	2.410	41	126006	26.740	ug/l #	1
15) Acrylonitrile	3.068	53	569	0.303	ug/l #	31
16) Acetone	2.392	43	283813	169.942	ug/l #	1
18) Methyl Acetate	2.715	43	3510	0.839	ug/l #	88
20) Methylene Chloride	2.782	84	1302	0.372	ug/l #	82
22) Diisopropyl ether	3.971	45	200414	19.902	ug/l #	1
23) Vinyl Acetate	3.867	43	16900	1.947	ug/l #	66
25) 2-Butanone	4.586	43	9513	3.629	ug/l	95
29) Tetrahydrofuran	5.025	42	1494	0.877	ug/l #	33
31) Cyclohexane	5.544	56	6972	1.291	ug/l #	41
36) 1,1-Dichloropropene	5.550	75	23303	4.678	ug/l #	50
37) Ethyl Acetate	4.586	43	9417	1.810	ug/l #	73
38) Carbon Tetrachloride	5.550	117	29528	5.890	ug/l #	16
43) Isopropyl Acetate	6.361	43	2073	0.255	ug/l #	56
48) Methyl methacrylate	7.751	41	1044	0.266	ug/l #	20
52) Toluene	8.720	92	2782	0.302	ug/l	95
53) t-1,3-Dichloropropene	9.006	75	11583	3.606	ug/l #	47
55) 1,1,2-Trichloroethane	9.171	97	1487	0.396	ug/l #	1
56) Ethyl methacrylate	9.165	69	3714	0.653	ug/l #	1
59) 2-Hexanone	9.165	43	230549	55.348	ug/l	89
75) 1,1,2,2-Tetrachloroethane	11.152	83	52313	8.759	ug/l #	32
76) 1,2,3-Trichloropropane	11.085	75	122739	22.830	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	122739	66.705	ug/l #	15
95) Naphthalene	13.780	128	4678	0.287	ug/l	95

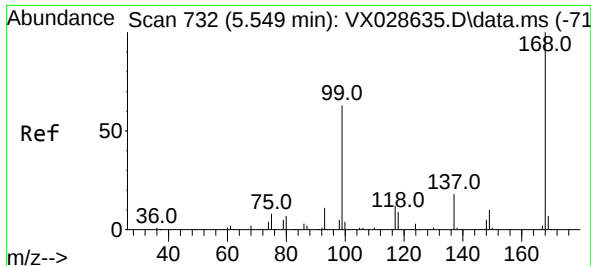
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

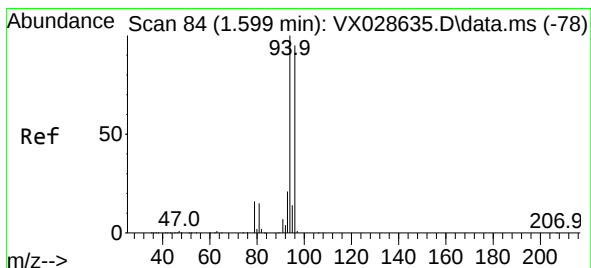
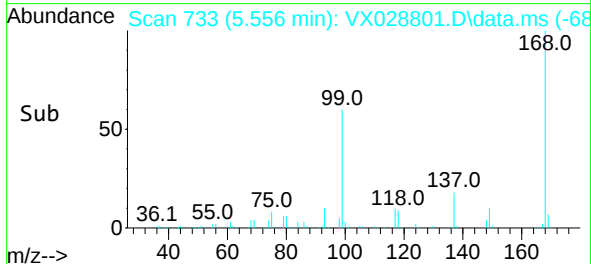
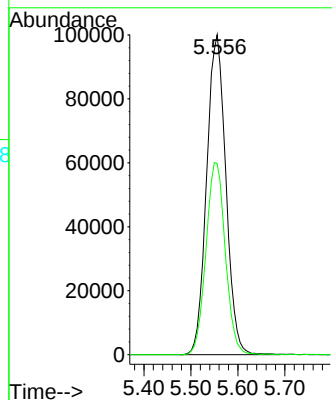
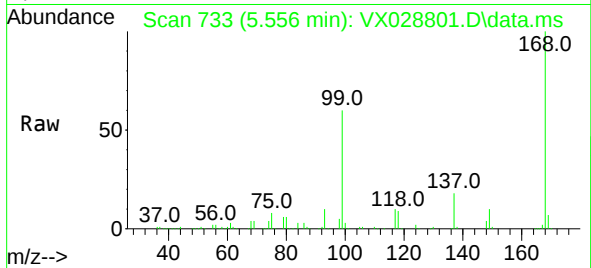




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

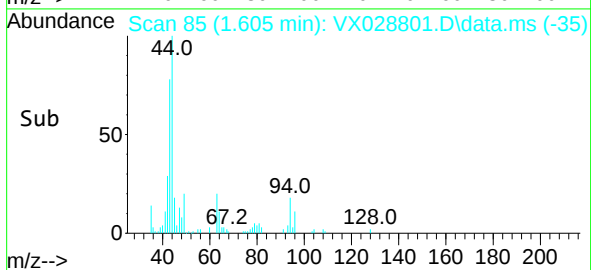
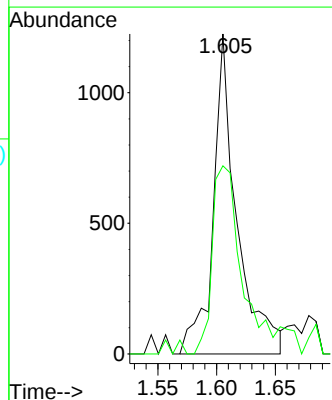
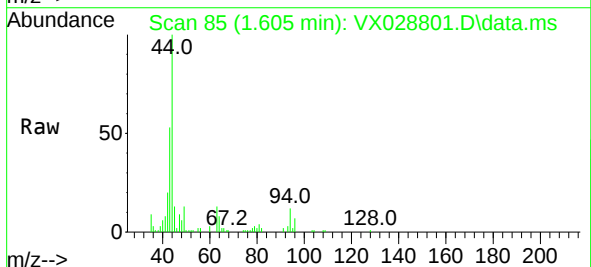
Instrument :
MSVOA_X
ClientSampleId :
31517DL

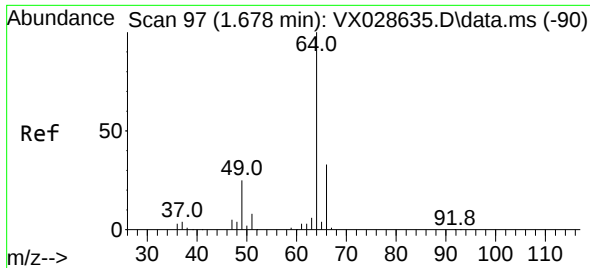
Tgt Ion:168 Resp: 283879
Ion Ratio Lower Upper
168 100
99 59.8 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

Tgt Ion: 94 Resp: 1713
Ion Ratio Lower Upper
94 100
96 54.4 75.3 112.9#

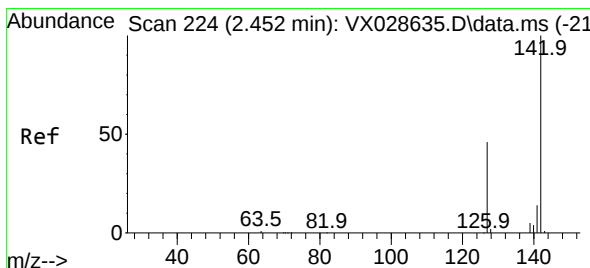
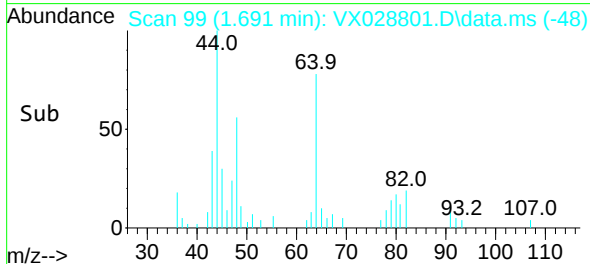
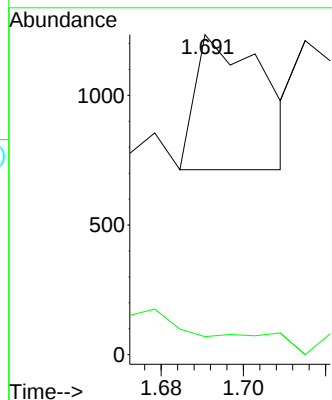
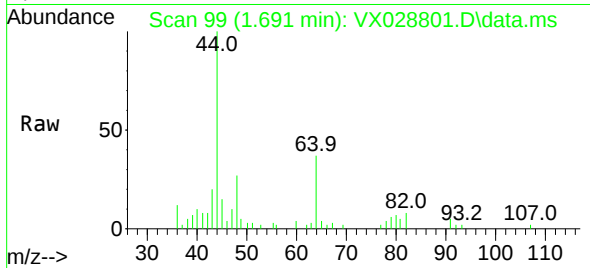




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.013 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

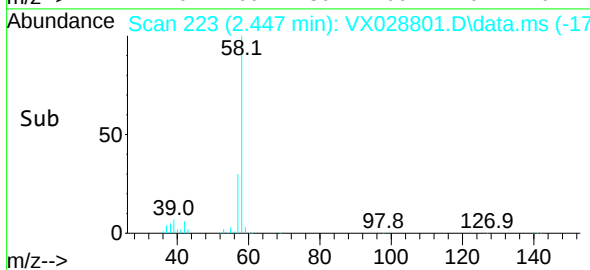
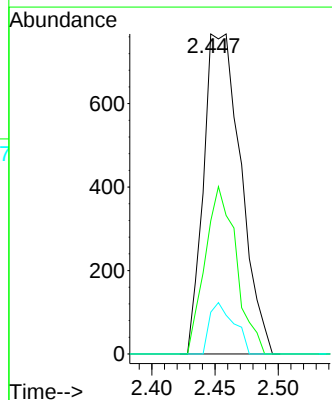
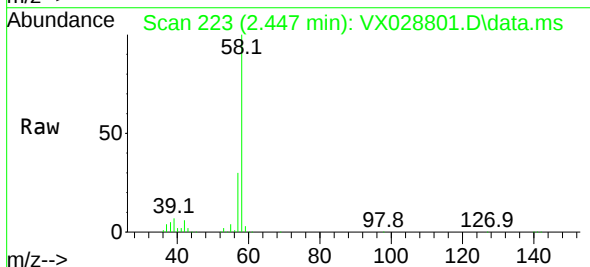
Instrument :
MSVOA_X
ClientSampleId :
31517DL

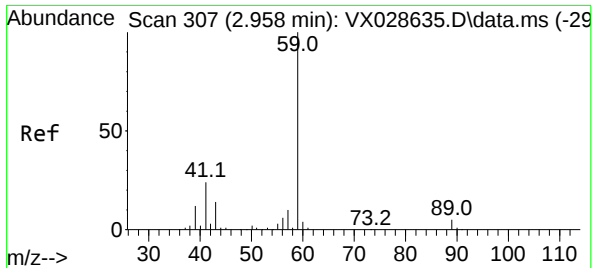
Tgt Ion: 64 Resp: 599
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 0.415 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.005 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

Tgt Ion: 142 Resp: 1571
Ion Ratio Lower Upper
142 100
127 43.9 33.9 50.9
141 10.5 11.4 17.2#





#11

Tert butyl alcohol

Concen: 9.929 ug/l

RT: 2.940 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX028801.D

Acq: 18 May 2022 13:22

Instrument :

MSVOA_X

ClientSampleId :

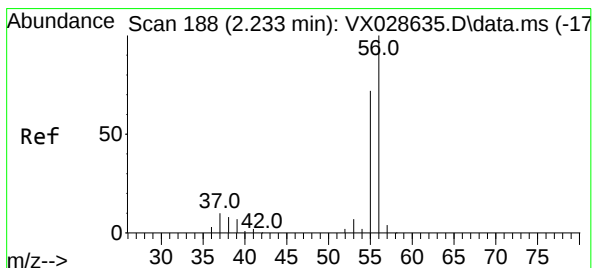
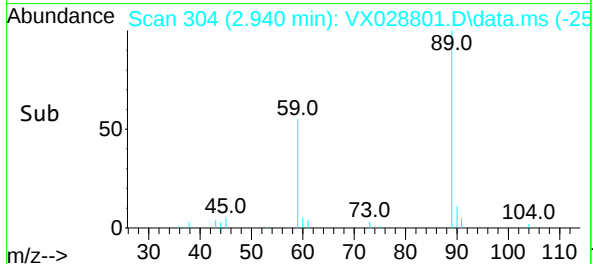
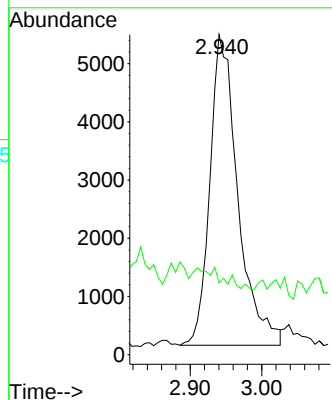
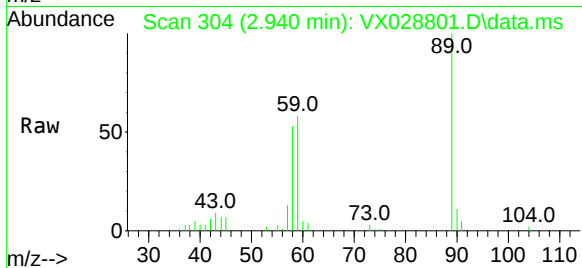
31517DL

Tgt Ion: 59 Resp: 14527

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 87.123 ug/l

RT: 2.258 min Scan# 192

Delta R.T. 0.025 min

Lab File: VX028801.D

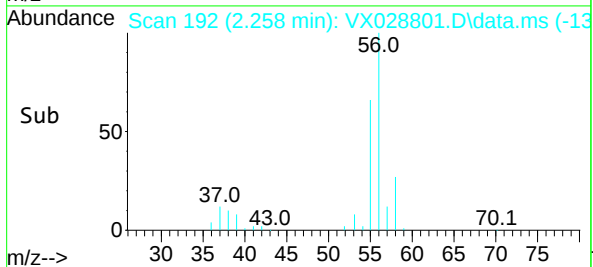
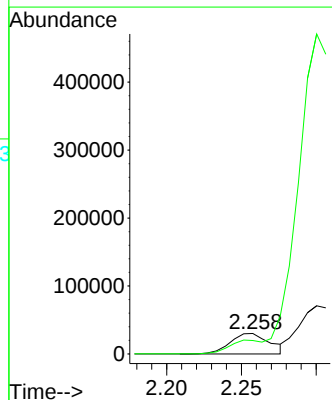
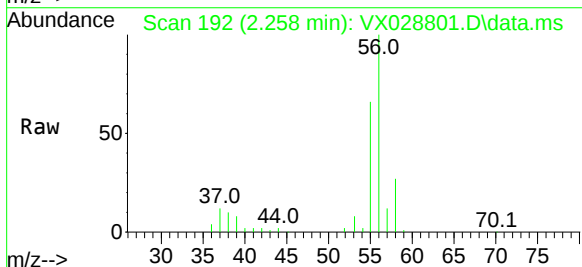
Acq: 18 May 2022 13:22

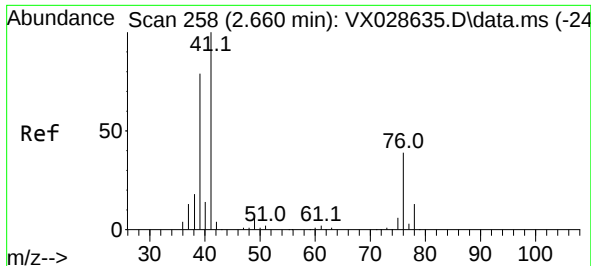
Tgt Ion: 56 Resp: 55647

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#





#14

Allyl chloride

Concen: 26.740 ug/l

RT: 2.410 min Scan# 217

Delta R.T. -0.250 min

Lab File: VX028801.D

Acq: 18 May 2022 13:22

Instrument :

MSVOA_X

ClientSampleId :

31517DL

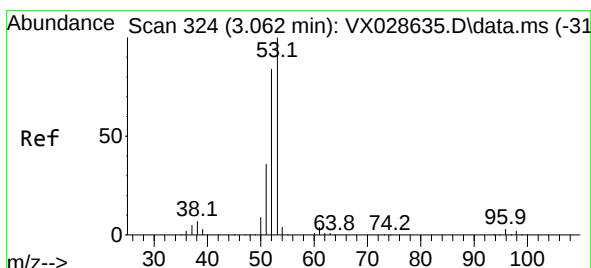
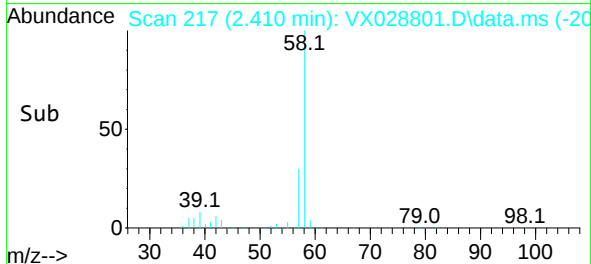
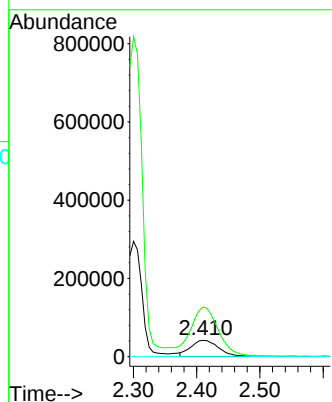
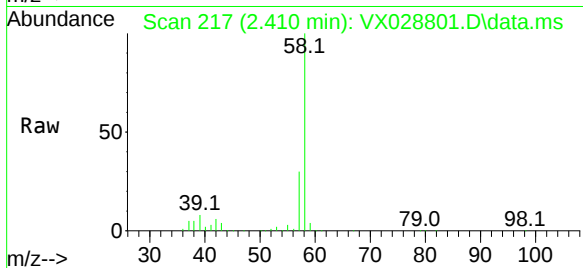
Tgt Ion: 41 Resp: 126006

Ion Ratio Lower Upper

41 100

39 299.0 50.4 75.6#

76 0.0 32.7 49.1#



#15

Acrylonitrile

Concen: 0.303 ug/l

RT: 3.068 min Scan# 325

Delta R.T. 0.006 min

Lab File: VX028801.D

Acq: 18 May 2022 13:22

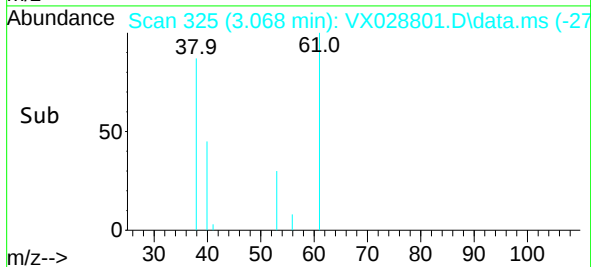
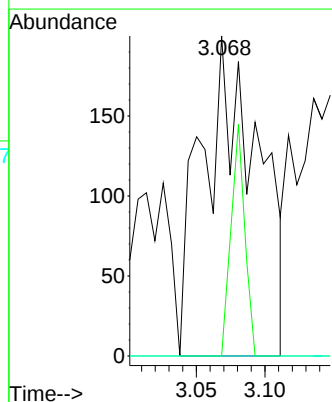
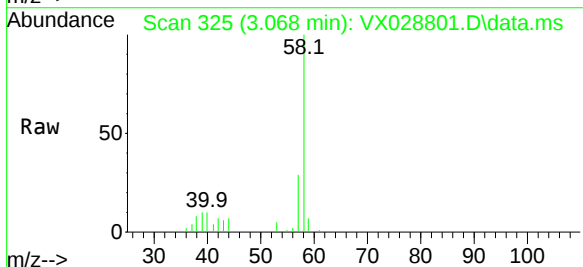
Tgt Ion: 53 Resp: 569

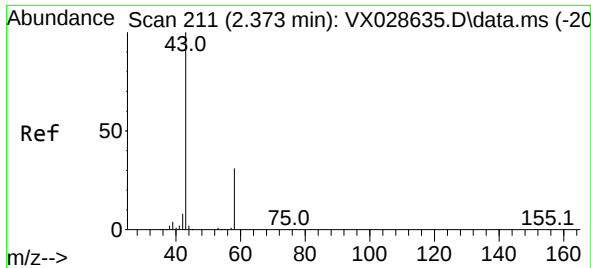
Ion Ratio Lower Upper

53 100

52 17.8 65.7 98.5#

51 0.0 28.4 42.6#

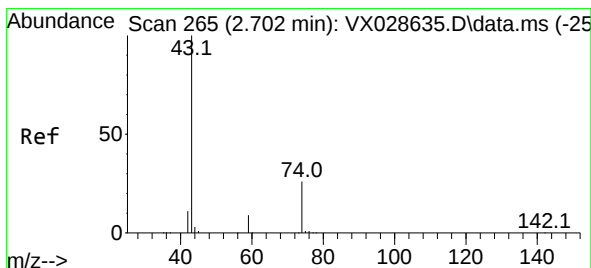
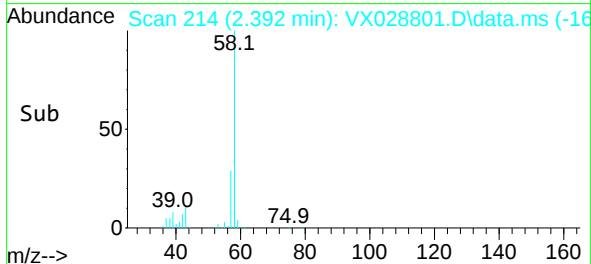
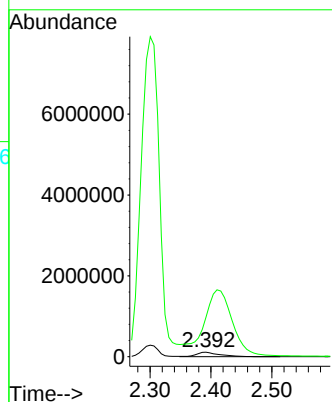
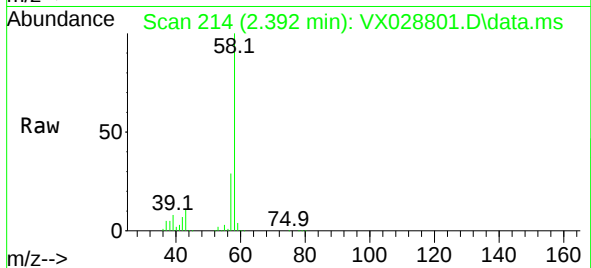




#16
Acetone
Concen: 169.942 ug/l
RT: 2.392 min Scan# 211
Delta R.T. 0.019 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

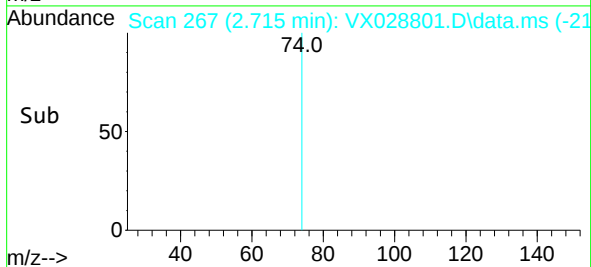
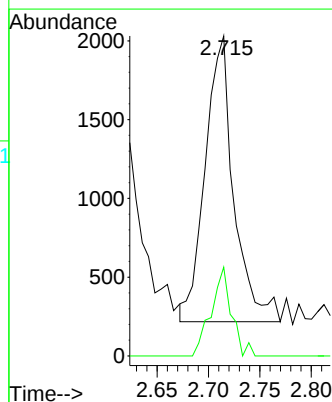
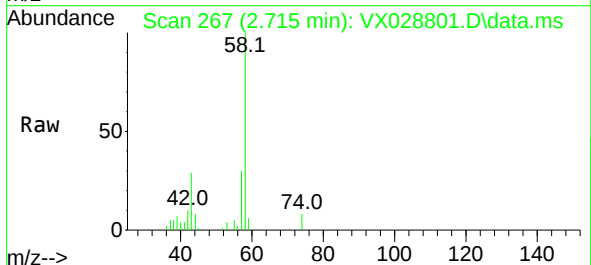
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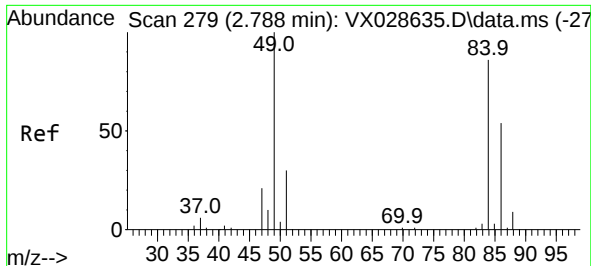
Tgt Ion: 43 Resp: 283813
Ion Ratio Lower Upper
43 100
58 853.3 28.8 43.2#



#18
Methyl Acetate
Concen: 0.839 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.013 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

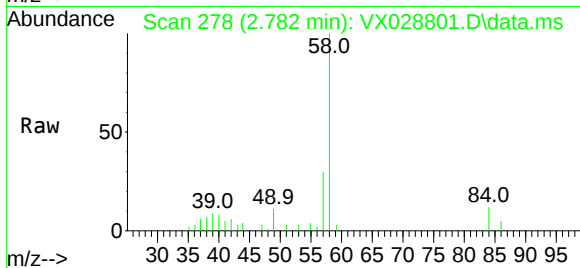
Tgt Ion: 43 Resp: 3510
Ion Ratio Lower Upper
43 100
74 22.0 22.8 34.2#



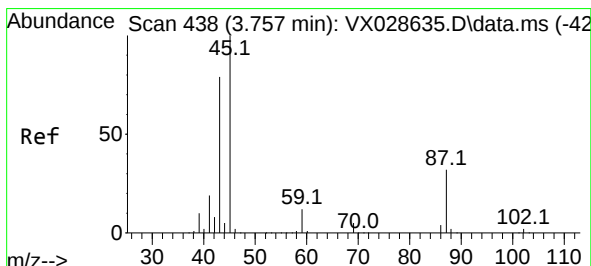
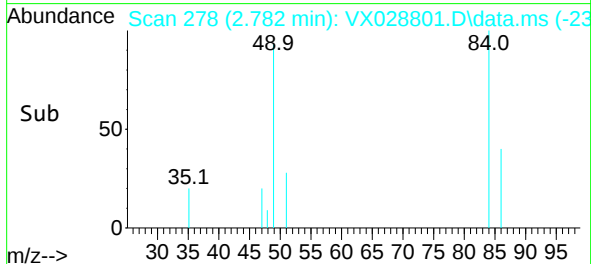
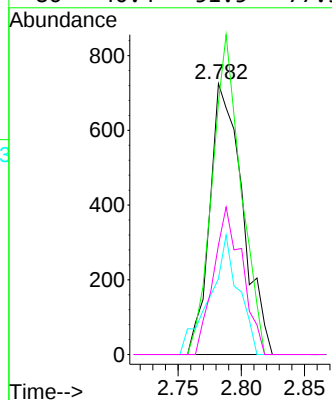


#20
Methylene Chloride
Concen: 0.372 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

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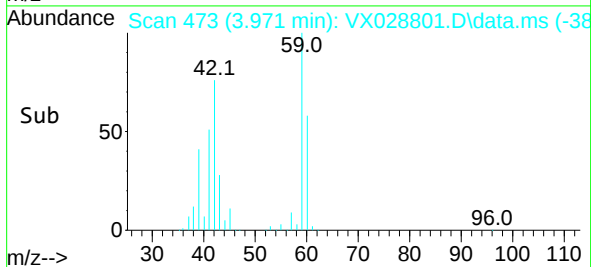
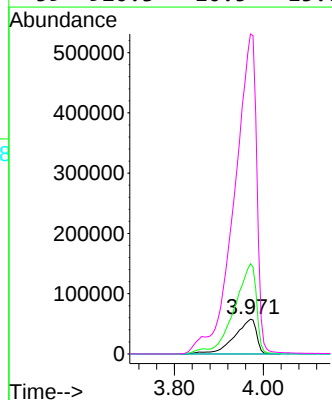
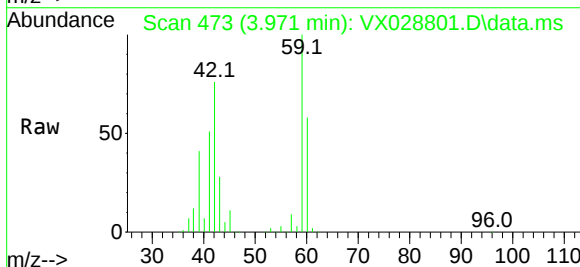


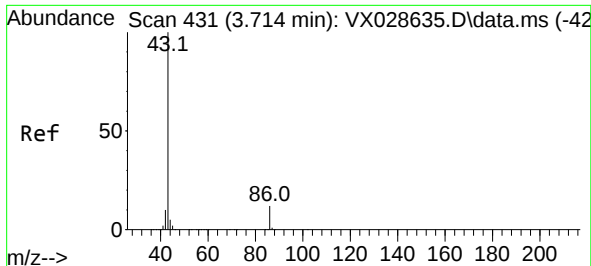
Tgt Ion:	84	Resp:	1302
Ion	Ratio	Lower	Upper
84	100		
49	93.0	85.5	128.3
51	28.0	26.6	39.8
86	40.4	51.5	77.3#



#22
Diisopropyl ether
Concen: 19.902 ug/l
RT: 3.971 min Scan# 473
Delta R.T. 0.214 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

Tgt Ion:	45	Resp:	200414
Ion	Ratio	Lower	Upper
45	100		
43	259.4	50.8	76.2#
87	0.0	26.6	39.8#
59	920.3	10.5	15.7#

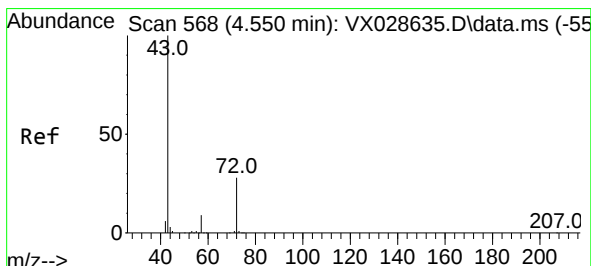
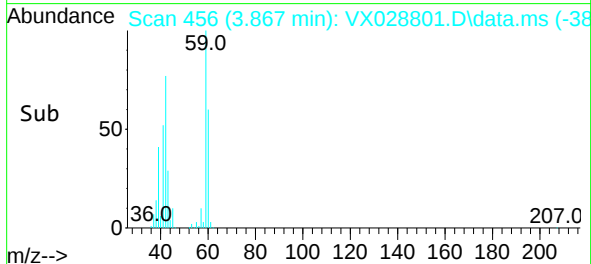
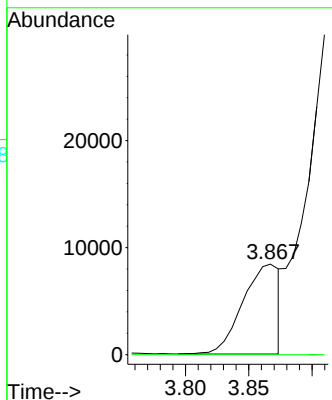
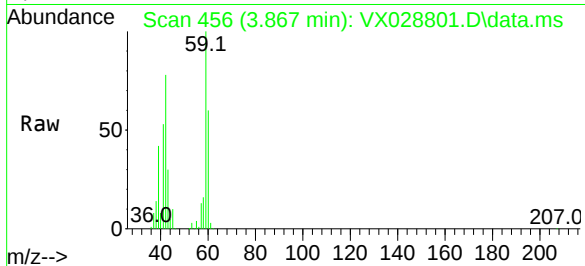




#23
 Vinyl Acetate
 Concen: 1.947 ug/l
 RT: 3.867 min Scan# 41
 Delta R.T. 0.153 min
 Lab File: VX028801.D
 Acq: 18 May 2022 13:22

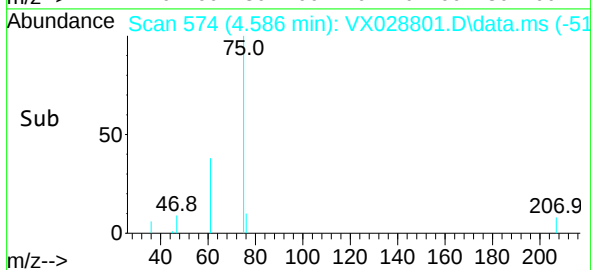
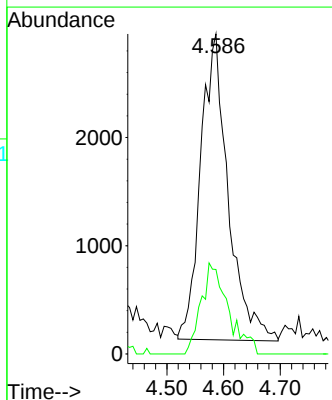
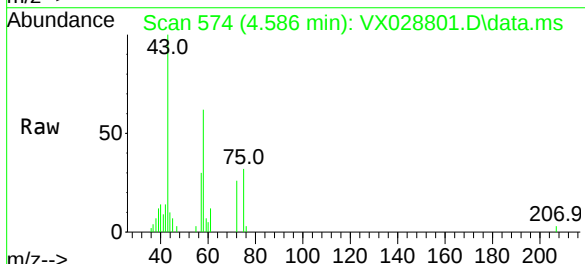
Instrument :
 MSVOA_X
 ClientSampleId :
 31517DL

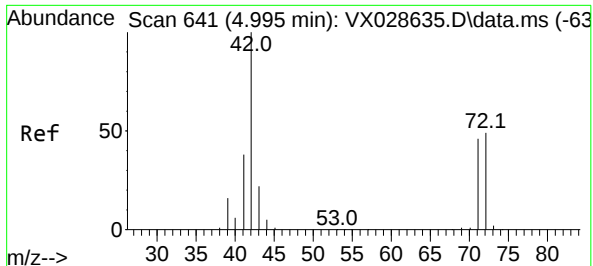
Tgt Ion: 43 Resp: 16900
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#25
 2-Butanone
 Concen: 3.629 ug/l
 RT: 4.586 min Scan# 574
 Delta R.T. 0.036 min
 Lab File: VX028801.D
 Acq: 18 May 2022 13:22

Tgt Ion: 43 Resp: 9513
 Ion Ratio Lower Upper
 43 100
 72 27.7 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.877 ug/l

RT: 5.025 min Scan# 641

Delta R.T. 0.030 min

Lab File: VX028801.D

Acq: 18 May 2022 13:22

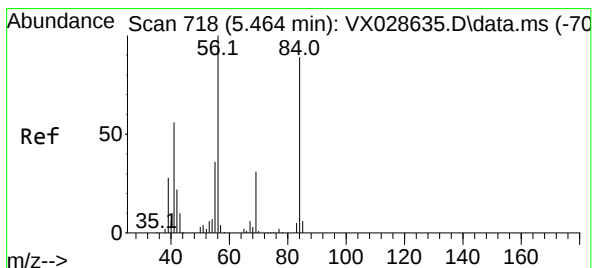
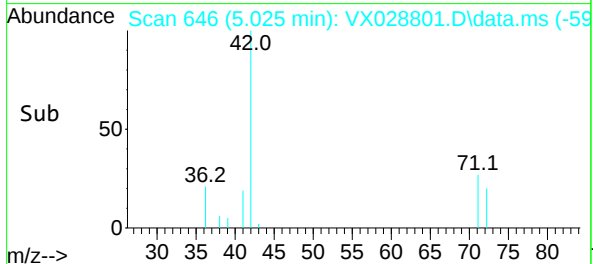
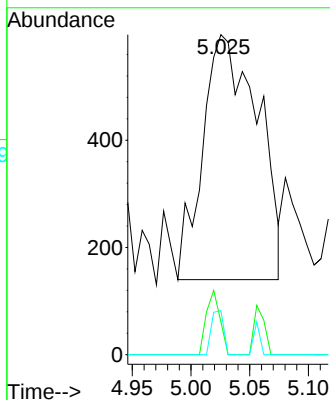
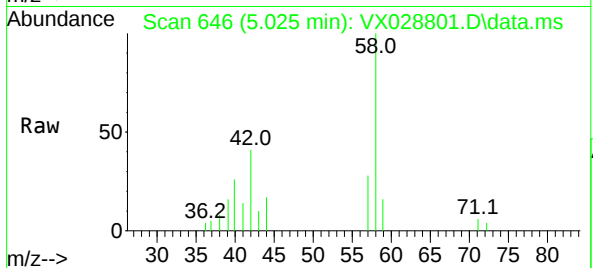
Instrument :

MSVOA_X

ClientSampleId :

31517DL

Tgt Ion:	42	Resp:	1494
Ion	Ratio	Lower	Upper
42	100		
72	6.4	44.1	66.1#
71	3.9	40.5	60.7#



#31

Cyclohexane

Concen: 1.291 ug/l

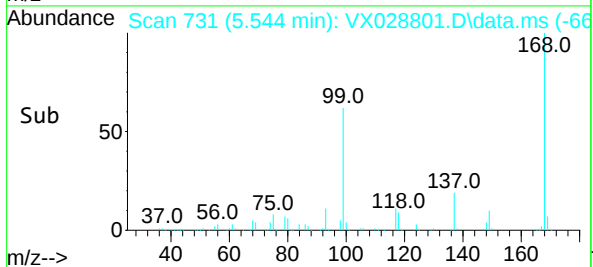
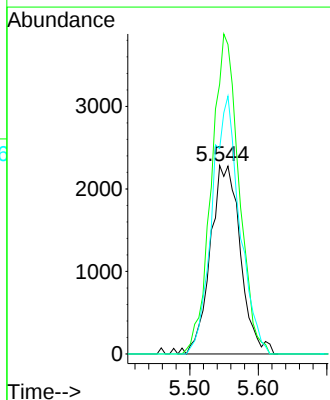
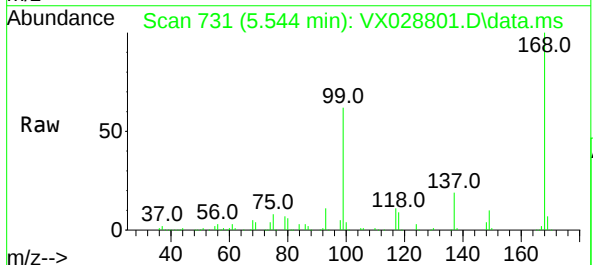
RT: 5.544 min Scan# 731

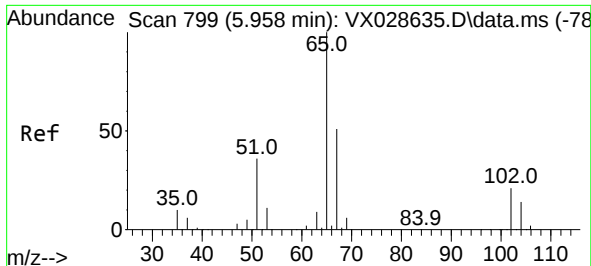
Delta R.T. 0.080 min

Lab File: VX028801.D

Acq: 18 May 2022 13:22

Tgt Ion:	56	Resp:	6972
Ion	Ratio	Lower	Upper
56	100		
69	143.1	26.7	40.1#
84	108.9	77.2	115.8





#33

1,2-Dichloroethane-d4

Concen: 50.472 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028801.D

Acq: 18 May 2022 13:22

Instrument :

MSVOA_X

ClientSampleId :

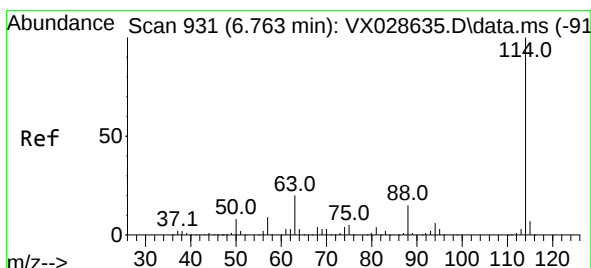
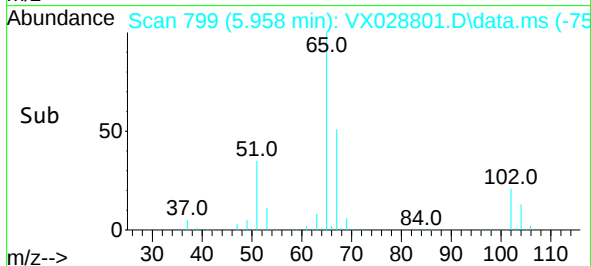
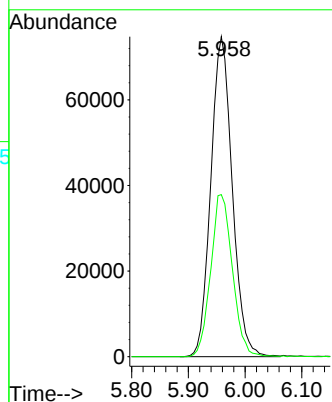
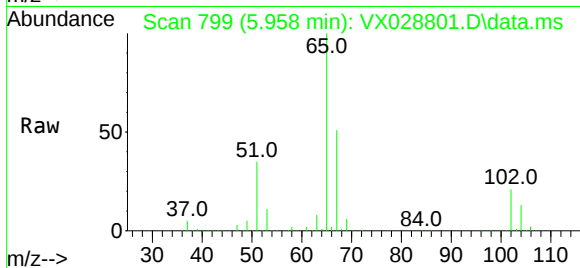
31517DL

Tgt Ion: 65 Resp: 196402

Ion Ratio Lower Upper

65 100

67 51.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028801.D

Acq: 18 May 2022 13:22

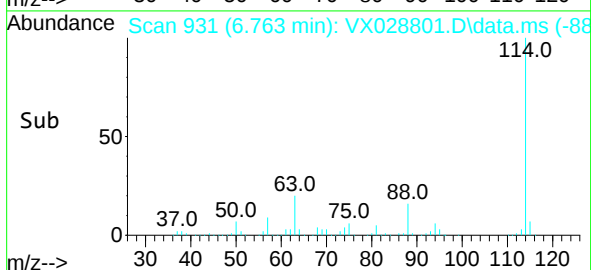
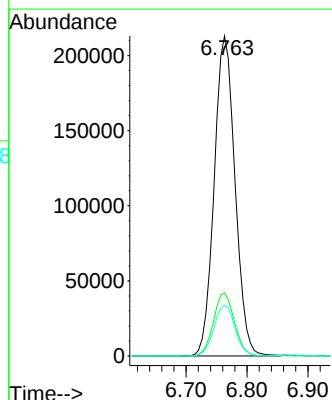
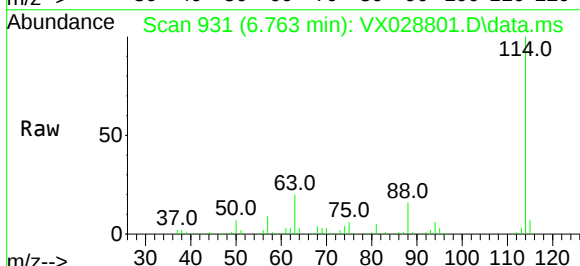
Tgt Ion: 114 Resp: 506180

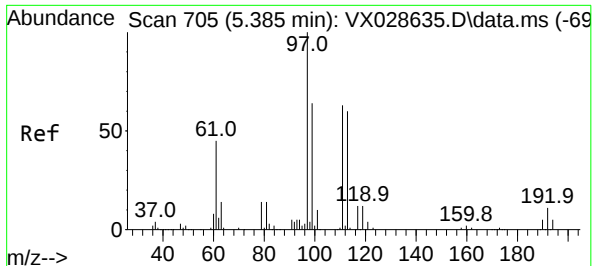
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.8

88 15.8 0.0 32.4

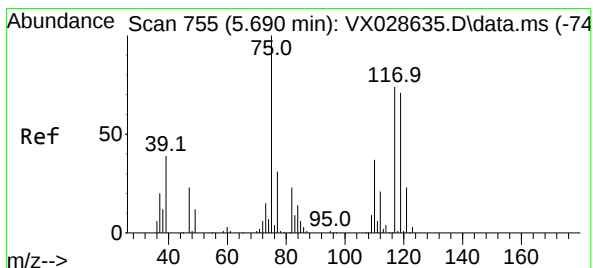
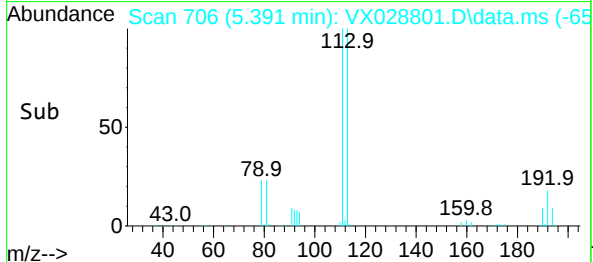
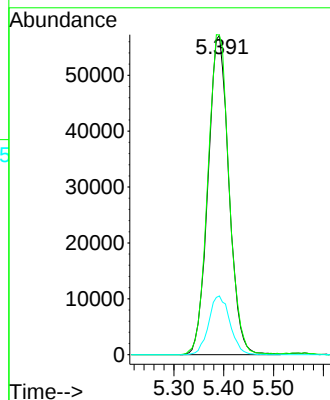
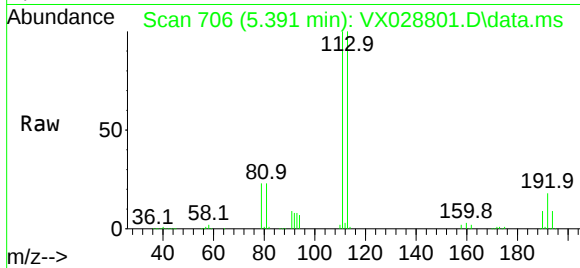




#35
Dibromofluoromethane
Concen: 50.087 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

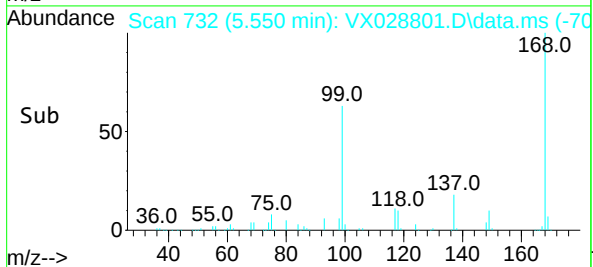
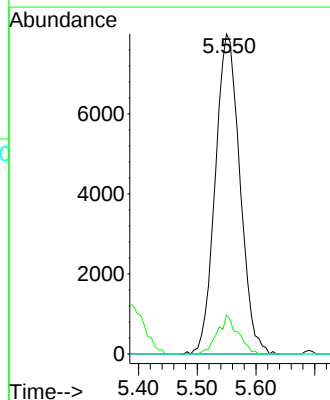
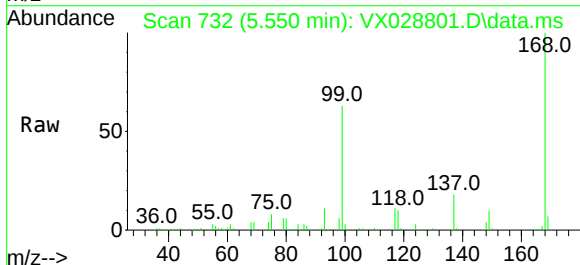
Instrument :
MSVOA_X
ClientSampleId :
31517DL

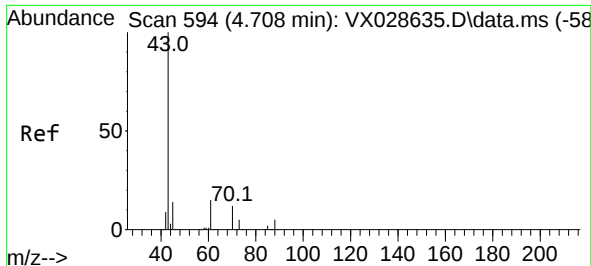
Tgt Ion:113 Resp: 166110
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 18.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.678 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

Tgt Ion: 75 Resp: 23303
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.810 ug/l

RT: 4.586 min Scan# 51

Delta R.T. -0.122 min

Lab File: VX028801.D

Acq: 18 May 2022 13:22

Instrument :

MSVOA_X

ClientSampleId :

31517DL

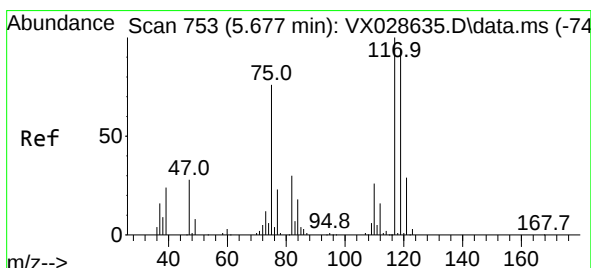
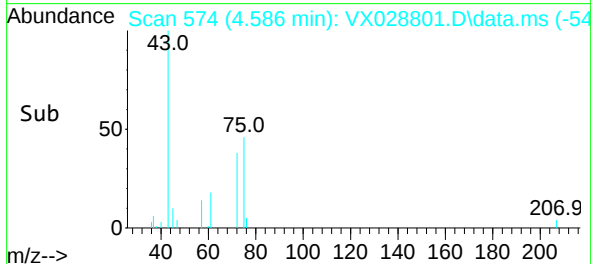
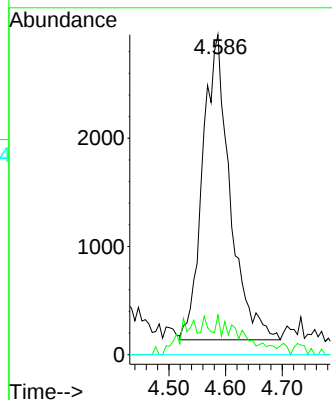
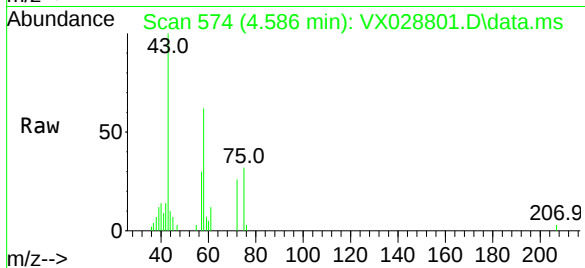
Tgt Ion: 43 Resp: 9417

Ion Ratio Lower Upper

43 100

61 6.1 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.890 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.127 min

Lab File: VX028801.D

Acq: 18 May 2022 13:22

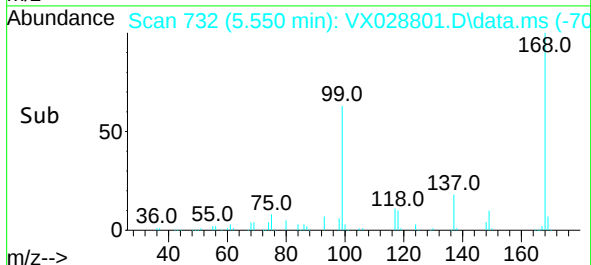
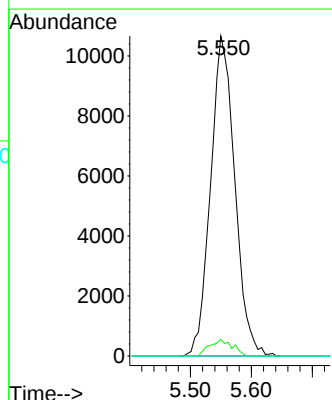
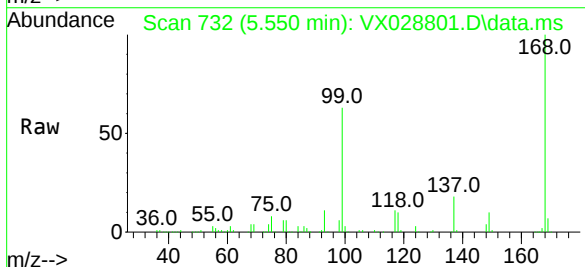
Tgt Ion: 117 Resp: 29528

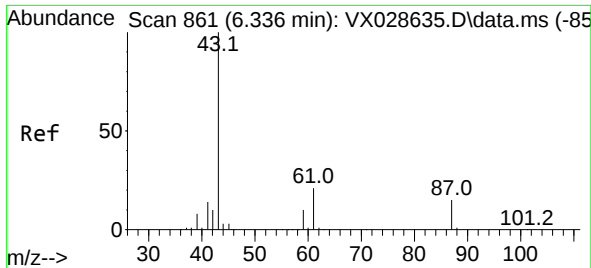
Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 0.255 ug/l

RT: 6.361 min Scan# 865

Delta R.T. 0.025 min

Lab File: VX028801.D

Acq: 18 May 2022 13:22

Instrument :

MSVOA_X

ClientSampleId :

31517DL

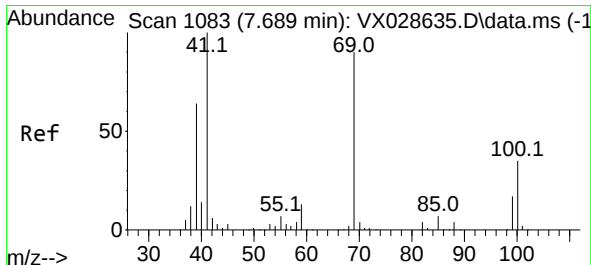
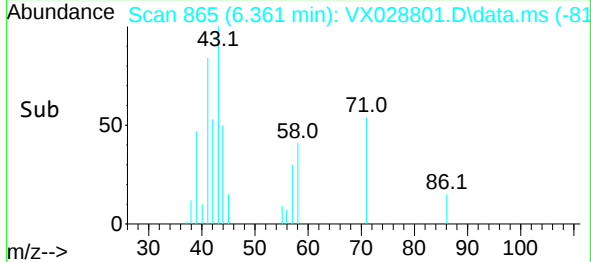
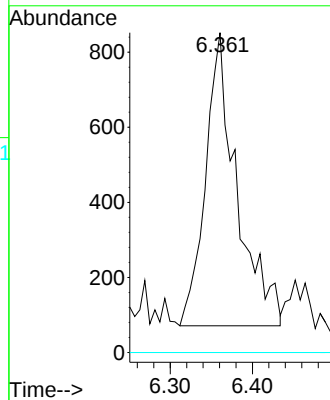
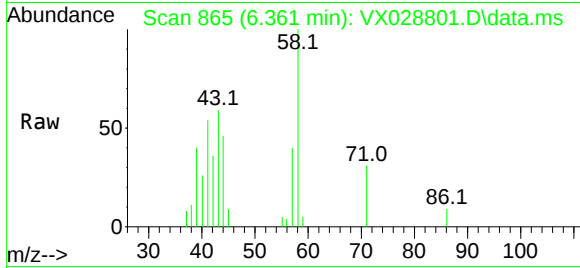
Tgt Ion: 43 Resp: 2073

Ion Ratio Lower Upper

43 100

61 0.0 18.5 27.7#

87 0.0 13.0 19.6#



#48

Methyl methacrylate

Concen: 0.266 ug/l

RT: 7.751 min Scan# 1093

Delta R.T. 0.062 min

Lab File: VX028801.D

Acq: 18 May 2022 13:22

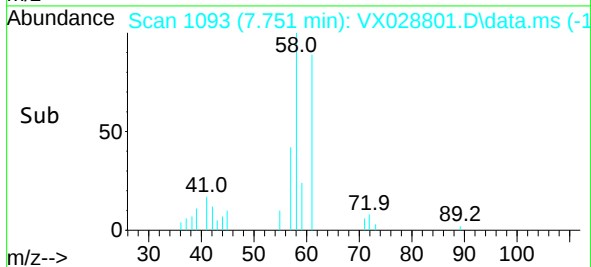
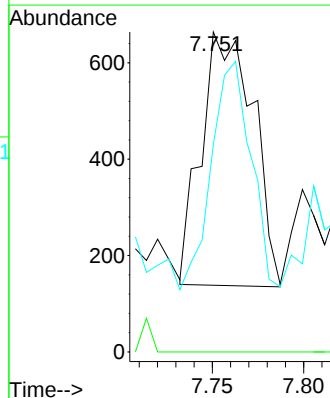
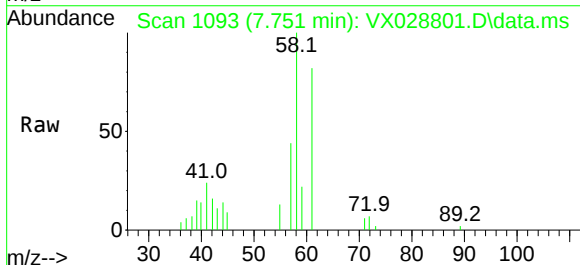
Tgt Ion: 41 Resp: 1044

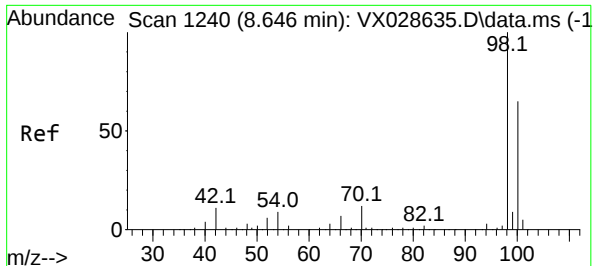
Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 83.8 43.8 65.8#

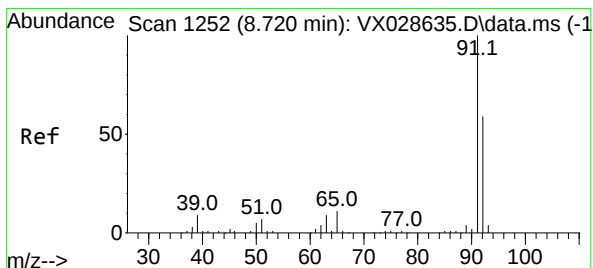
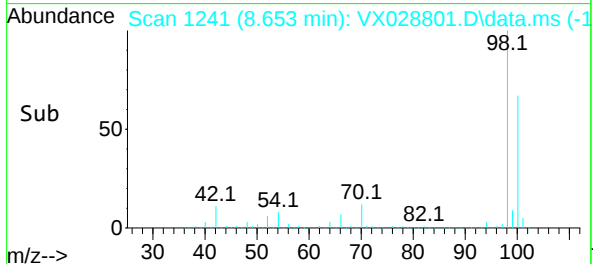
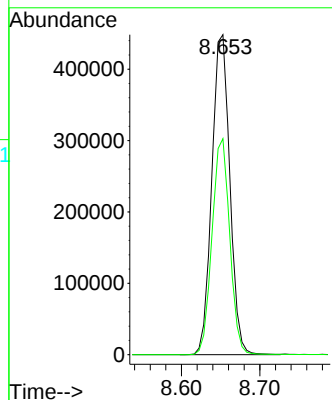
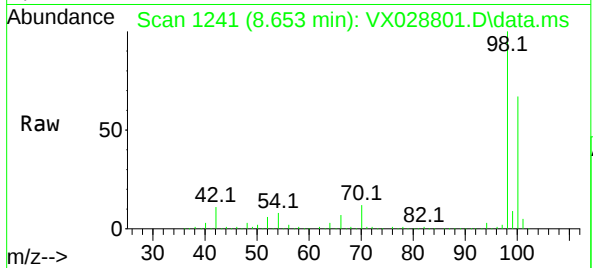




#50
Toluene-d8
Concen: 57.179 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

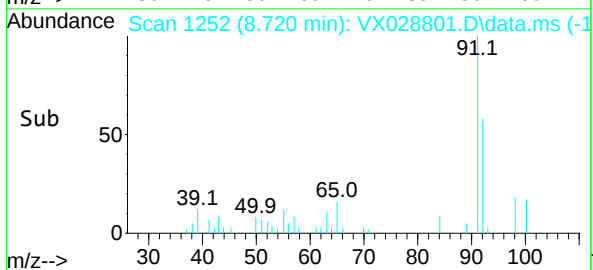
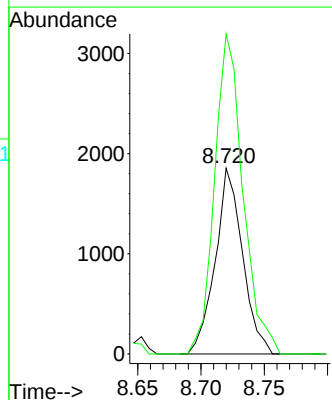
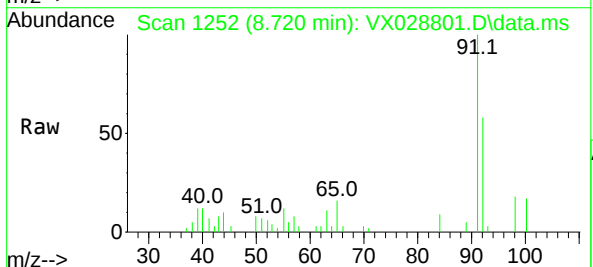
Instrument :
MSVOA_X
ClientSampleId :
31517DL

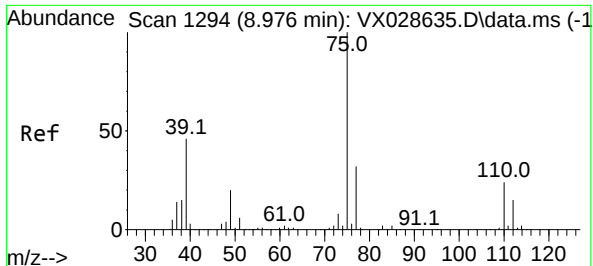
Tgt Ion: 98 Resp: 714937
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8



#52
Toluene
Concen: 0.302 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

Tgt Ion: 92 Resp: 2782
Ion Ratio Lower Upper
92 100
91 179.2 137.5 206.3

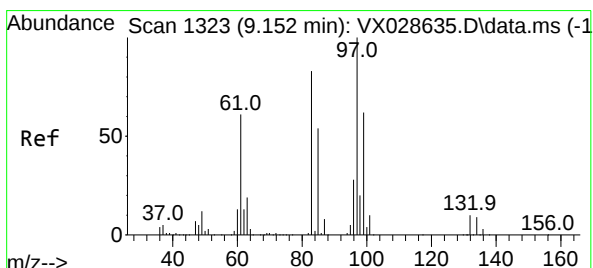
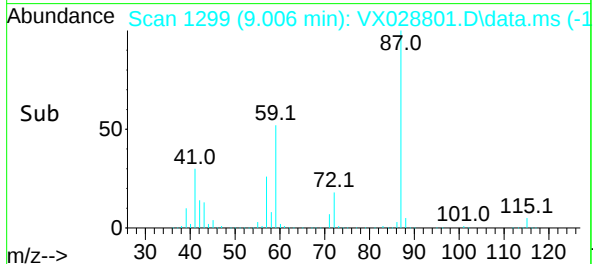
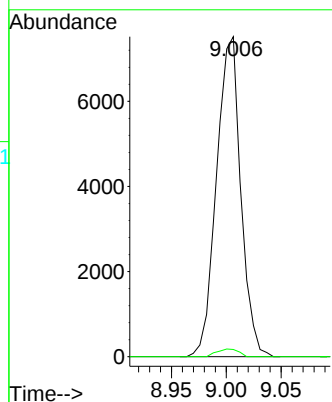
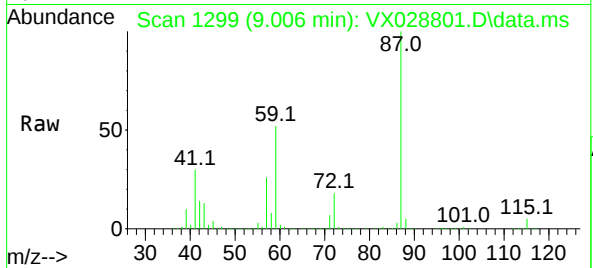




#53
t-1,3-Dichloropropene
Concen: 3.606 ug/l
RT: 9.006 min Scan# 11
Delta R.T. 0.030 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

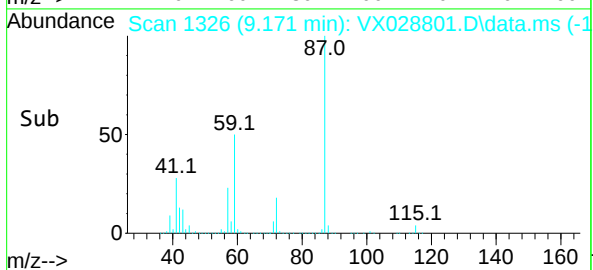
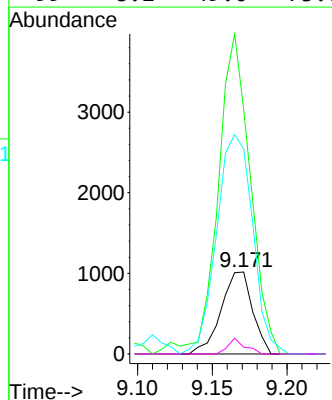
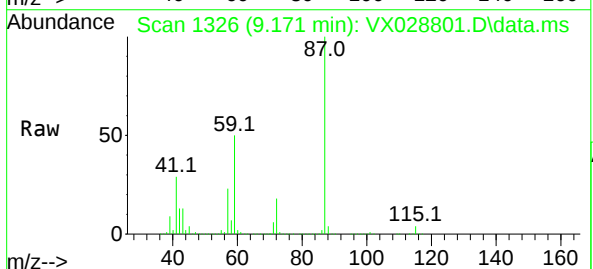
Instrument :
MSVOA_X
ClientSampleId :
31517DL

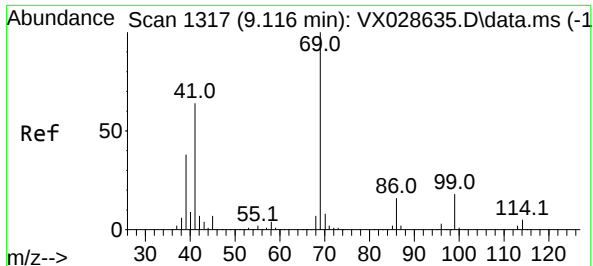
Tgt Ion: 75 Resp: 11583
Ion Ratio Lower Upper
75 100
77 2.2 25.4 38.0#



#55
1,1,2-Trichloroethane
Concen: 0.396 ug/l
RT: 9.171 min Scan# 1326
Delta R.T. 0.019 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

Tgt Ion: 97 Resp: 1487
Ion Ratio Lower Upper
97 100
83 298.5 66.2 99.4#
85 250.2 42.9 64.3#
99 8.2 49.0 73.6#

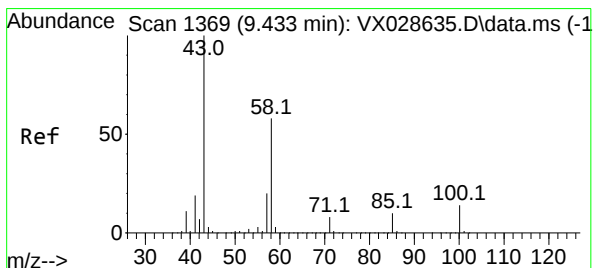
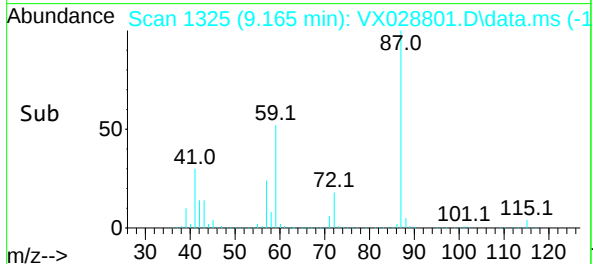
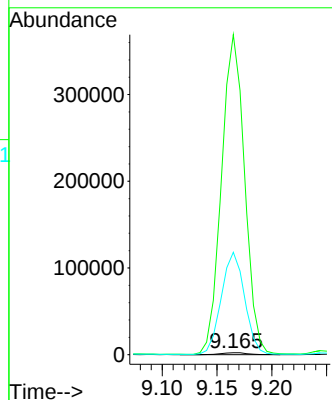
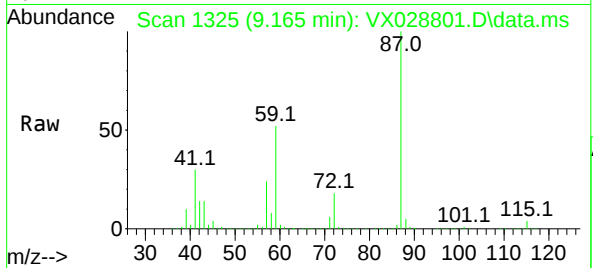




#56
Ethyl methacrylate
Concen: 0.653 ug/l
RT: 9.165 min Scan# 1317
Delta R.T. 0.049 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

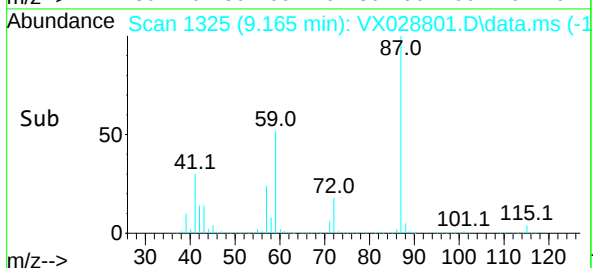
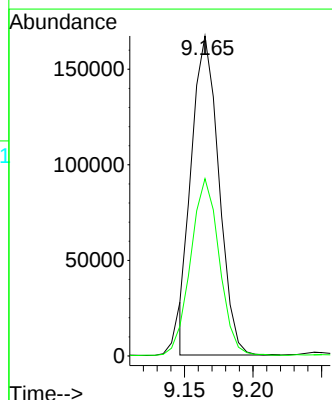
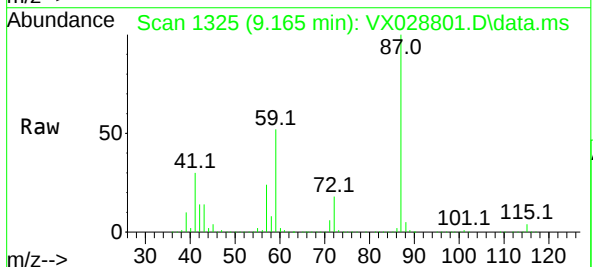
Instrument :
MSVOA_X
ClientSampleId :
31517DL

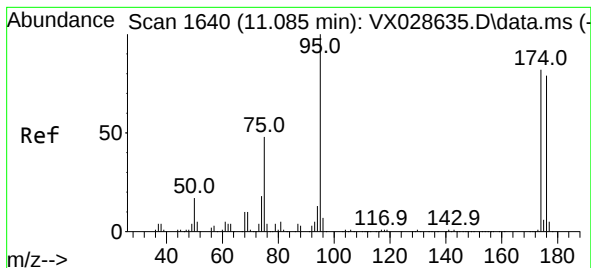
Tgt Ion: 69 Resp: 3714
Ion Ratio Lower Upper
69 100
41 14559.4 43.8 65.6#
39 4678.4 22.2 33.2#



#59
2-Hexanone
Concen: 55.348 ug/l
RT: 9.165 min Scan# 1325
Delta R.T. -0.268 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

Tgt Ion: 43 Resp: 230549
Ion Ratio Lower Upper
43 100
58 55.3 31.9 95.7

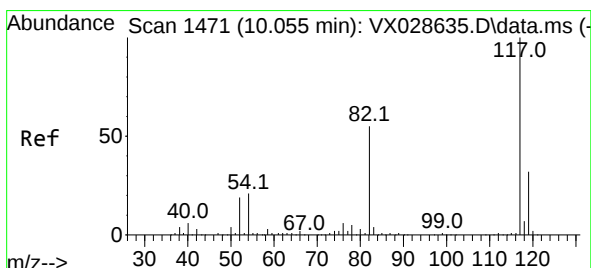
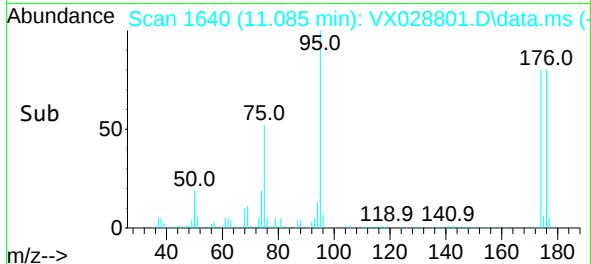
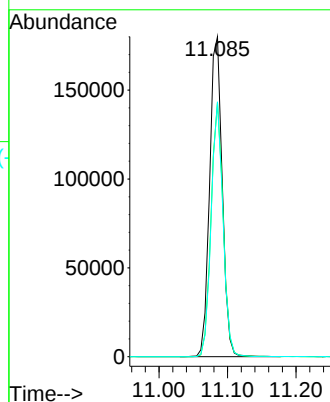
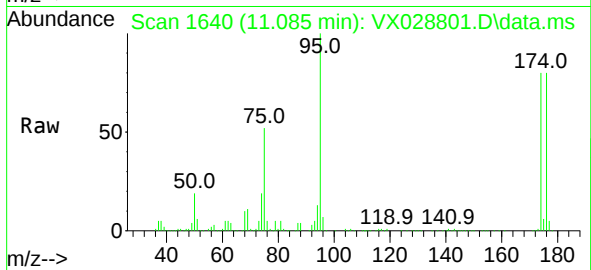




#62
4-Bromofluorobenzene
Concen: 49.376 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

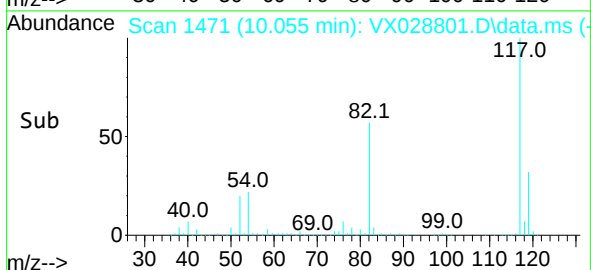
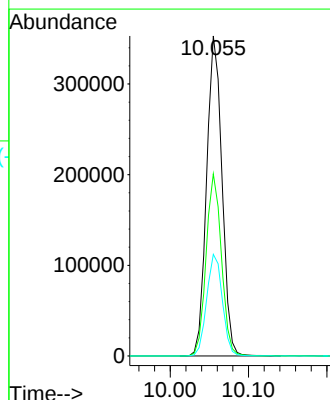
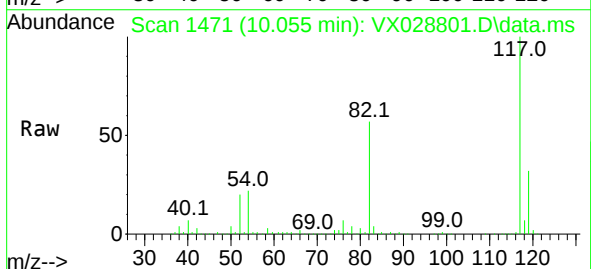
Instrument :
MSVOA_X
ClientSampleId :
31517DL

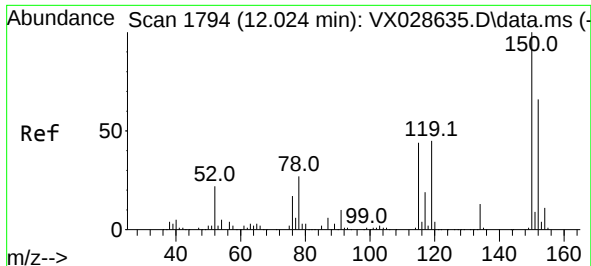
Tgt Ion: 95 Resp: 230595
Ion Ratio Lower Upper
95 100
174 76.1 0.0 163.0
176 74.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

Tgt Ion: 117 Resp: 480419
Ion Ratio Lower Upper
117 100
82 56.9 41.8 62.8
119 31.8 24.8 37.2

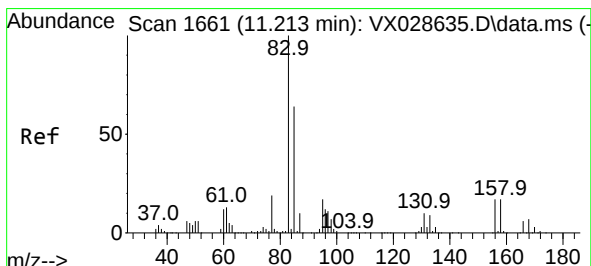
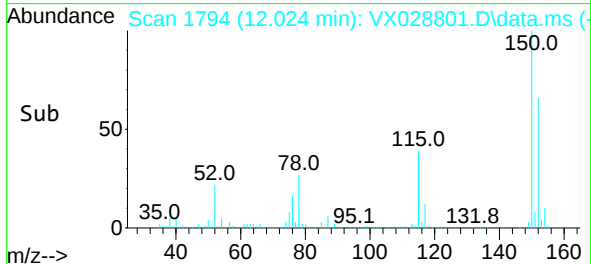
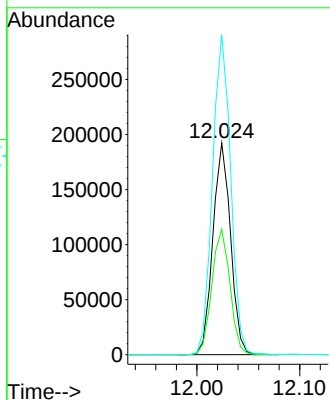
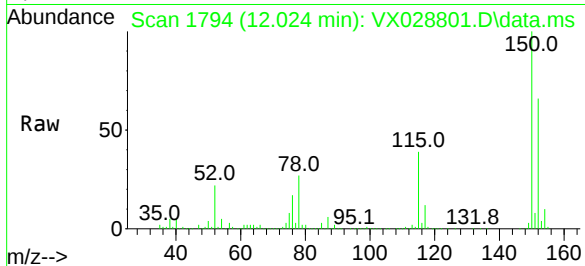




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028801.D
 Acq: 18 May 2022 13:22

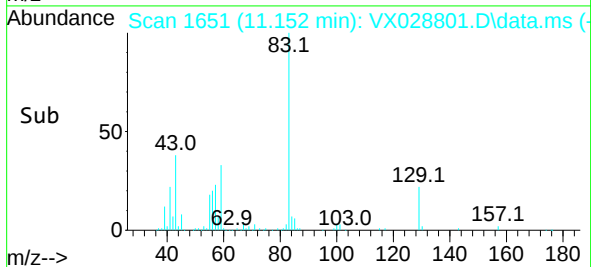
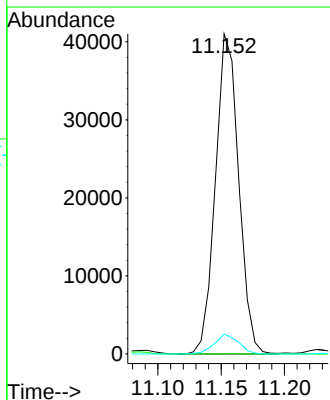
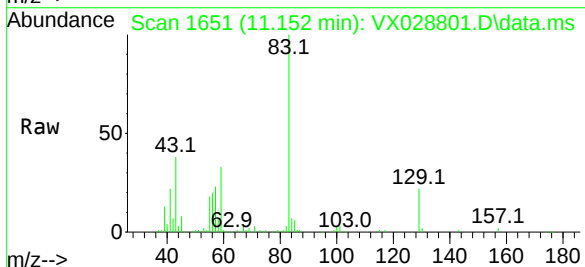
Instrument :
 MSVOA_X
 ClientSampleId :
 31517DL

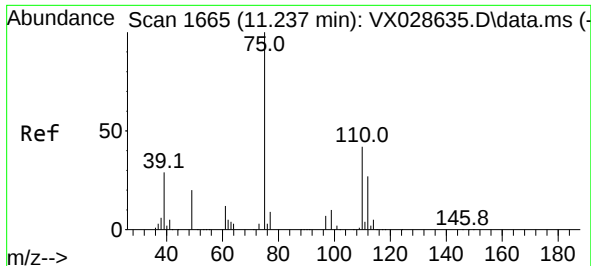
Tgt Ion:152 Resp: 229570
 Ion Ratio Lower Upper
 152 100
 115 60.6 37.5 112.7
 150 155.2 0.0 338.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: 8.759 ug/l
 RT: 11.152 min Scan# 1651
 Delta R.T. -0.061 min
 Lab File: VX028801.D
 Acq: 18 May 2022 13:22

Tgt Ion: 83 Resp: 52313
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.3#
 85 6.4 32.6 97.7#

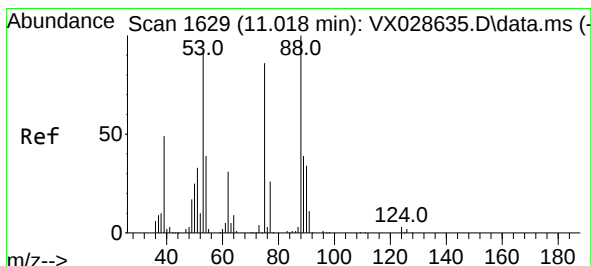
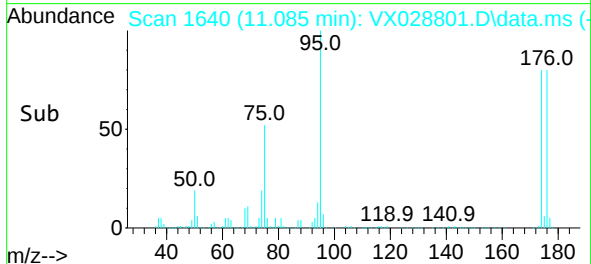
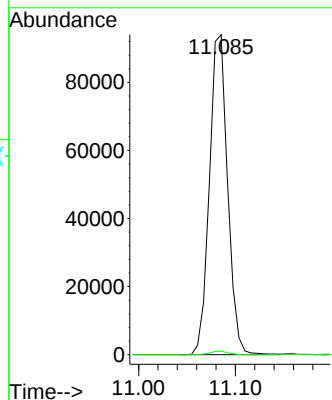
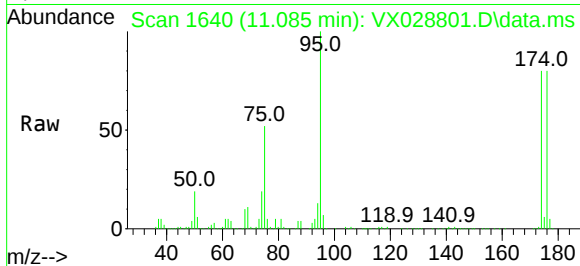




#76
1,2,3-Trichloropropane
Concen: 22.830 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.152 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

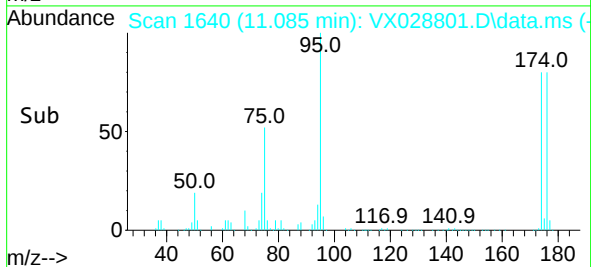
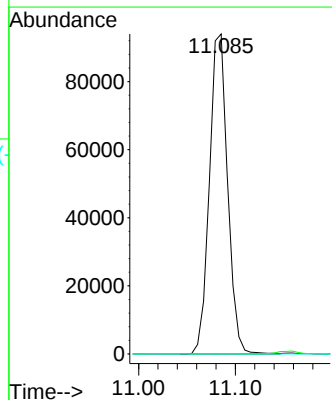
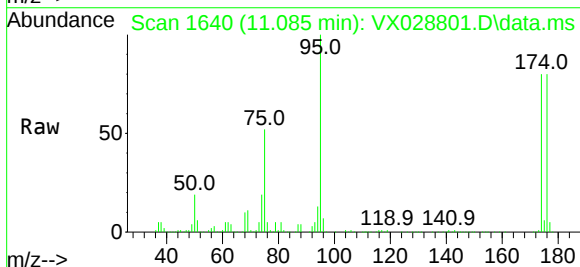
Instrument :
MSVOA_X
ClientSampleId :
31517DL

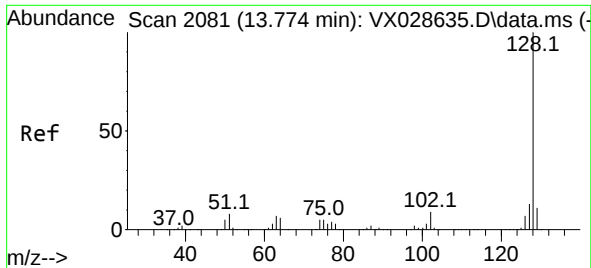
Tgt Ion: 75 Resp: 122739
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.705 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

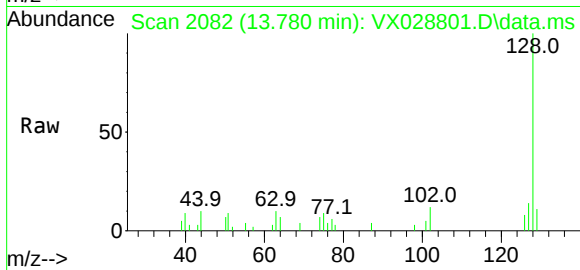
Tgt Ion: 75 Resp: 122739
Ion Ratio Lower Upper
75 100
53 0.1 69.0 103.4#
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 0.287 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028801.D
Acq: 18 May 2022 13:22

Instrument :
MSVOA_X
ClientSampleId :
31517DL



Tgt Ion:	128	Resp:	4678
Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.2	15.4
129	12.8	8.7	13.1

