

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110822\
 Data File : VX032665.D
 Acq On : 08 Nov 2022 19:32
 Operator : JC/MD
 Sample : N5514-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 09 04:42:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

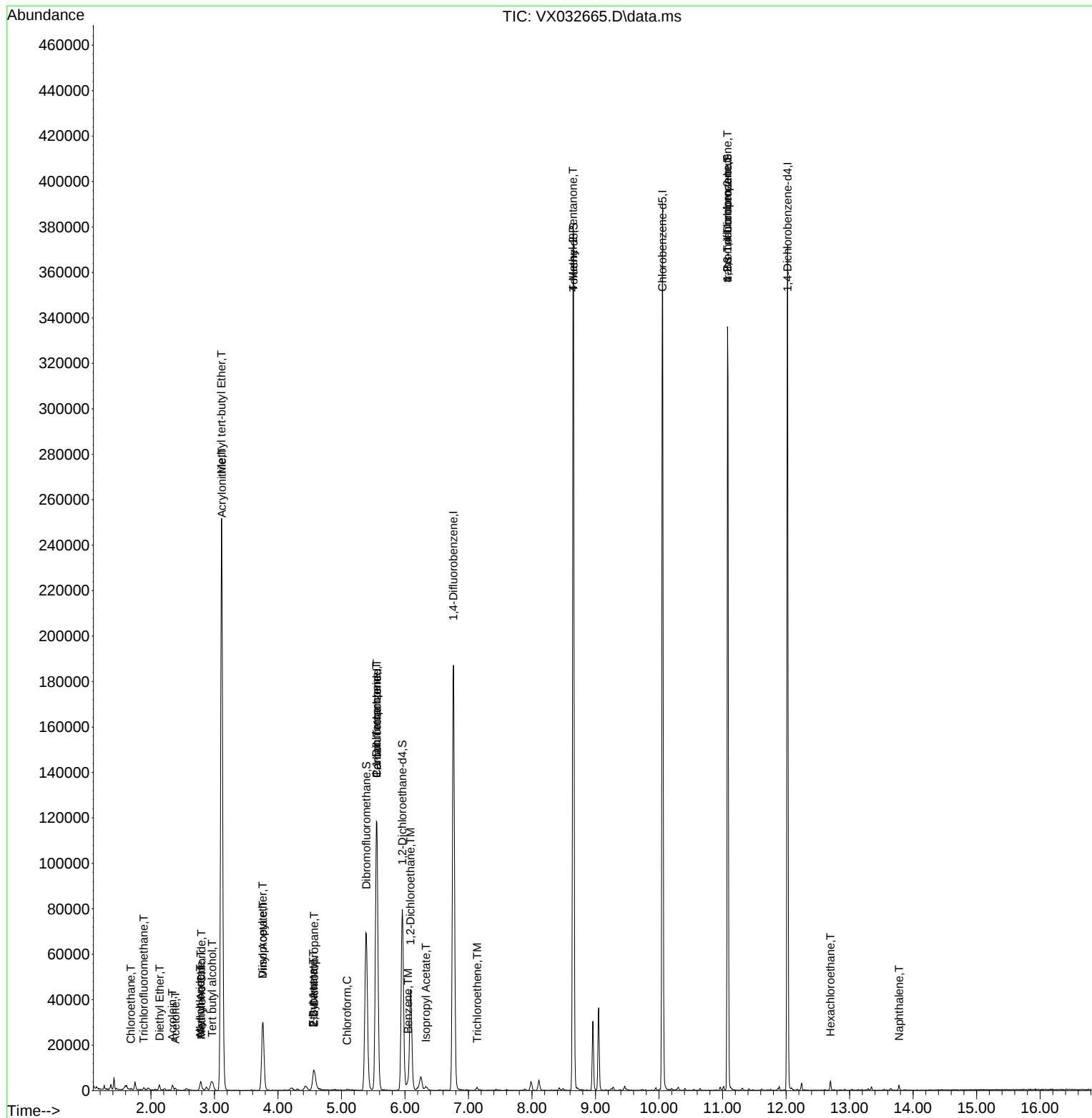
Internal Standards						
1) Pentafluorobenzene	5.556	168	112421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	188876	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	167133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79767	51.065	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.140%
35) Dibromofluoromethane	5.391	113	59993	44.529	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.060%
50) Toluene-d8	8.653	98	225494	48.133	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.260%
62) 4-Bromofluorobenzene	11.079	95	84298	46.065	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.140%
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	282	0.348	ug/l	96
7) Trichlorofluoromethane	1.886	101	606	0.265	ug/l #	73
8) Diethyl Ether	2.136	74	355	0.479	ug/l	66
11) Tert butyl alcohol	2.965	59	5407	23.782	ug/l #	72
13) Acrolein	2.337	56	313	1.379	ug/l #	35
14) Allyl chloride	2.776	41	1013	0.564	ug/l #	54
15) Acrylonitrile	3.117	53	3192	5.173	ug/l #	28
16) Acetone	2.386	43	1283	2.260	ug/l	98
18) Methyl Acetate	2.782	43	1960	1.062	ug/l #	51
19) Methyl tert-butyl Ether	3.111	73	266378	67.223	ug/l	99
20) Methylene Chloride	2.794	84	585	0.449	ug/l #	80
22) Diisopropyl ether	3.757	45	31615	8.133	ug/l #	85
23) Vinyl Acetate	3.764	43	17197	5.476	ug/l #	72
25) 2-Butanone	4.556	43	534	0.607	ug/l #	47
26) 2,2-Dichloropropane	4.568	77	703	0.396	ug/l #	53
30) Chloroform	5.086	83	549	0.224	ug/l	96
36) 1,1-Dichloropropene	5.550	75	9166	4.886	ug/l #	50
37) Ethyl Acetate	4.556	43	534	0.273	ug/l #	1
38) Carbon Tetrachloride	5.556	117	11753	5.648	ug/l #	15
40) Benzene	6.050	78	3466	0.653	ug/l #	85
42) 1,2-Dichloroethane	6.086	62	51042	23.519	ug/l	98
43) Isopropyl Acetate	6.330	43	671	0.224	ug/l #	34
44) Trichloroethene	7.135	130	542	0.363	ug/l	82
51) 4-Methyl-2-Pentanone	8.647	43	1135	0.601	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	45830	27.564	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	45830	87.710	ug/l #	6
90) Hexachloroethane	12.701	117	2002	2.376	ug/l #	12
95) Naphthalene	13.780	128	1875	0.320	ug/l	96

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

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

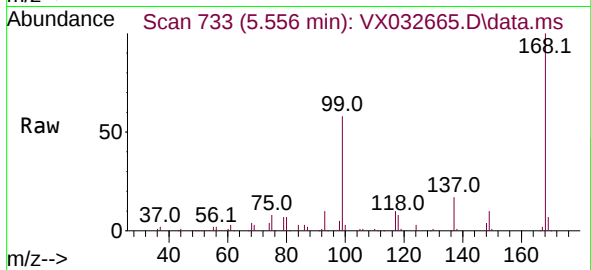
Quant Time: Nov 09 04:42:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 08:28:06 2022
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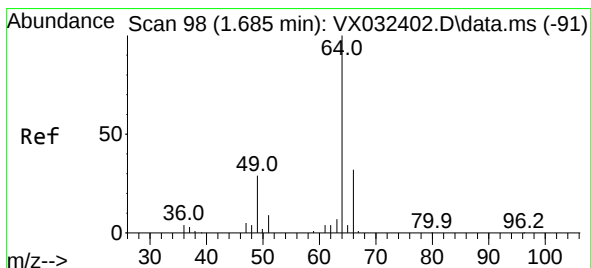
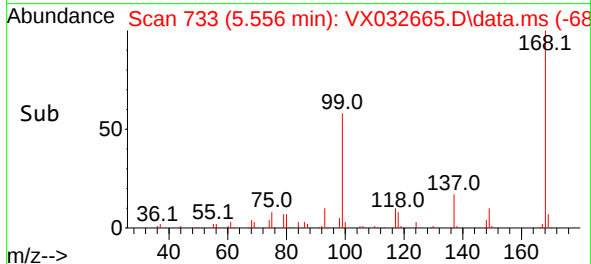
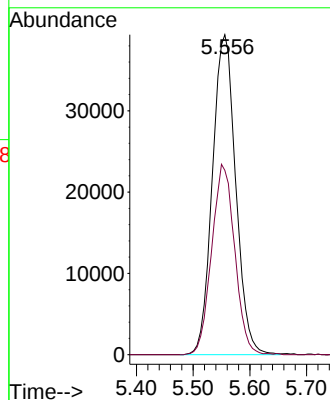


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

Instrument :
MSVOA_X
ClientSampleId :

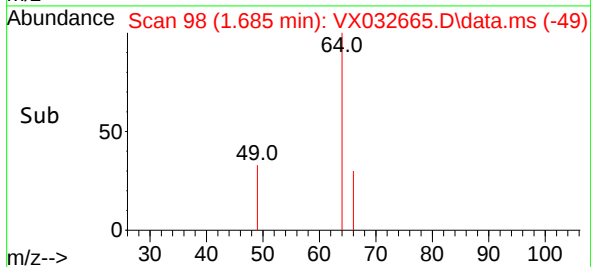
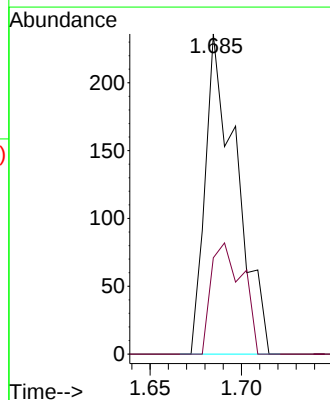
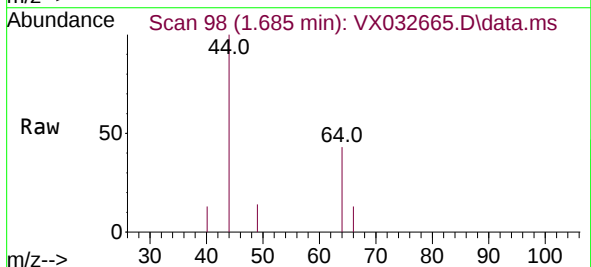


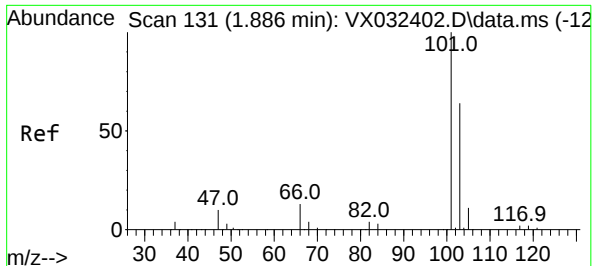
Tgt Ion:168 Resp: 112421
Ion Ratio Lower Upper
168 100
99 57.6 46.1 69.1



#6
Chloroethane
Concen: 0.348 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.000 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

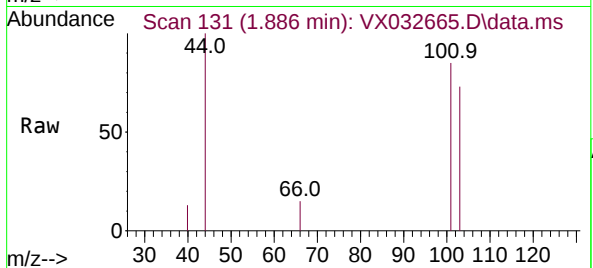
Tgt Ion: 64 Resp: 282
Ion Ratio Lower Upper
64 100
66 30.1 26.0 39.0



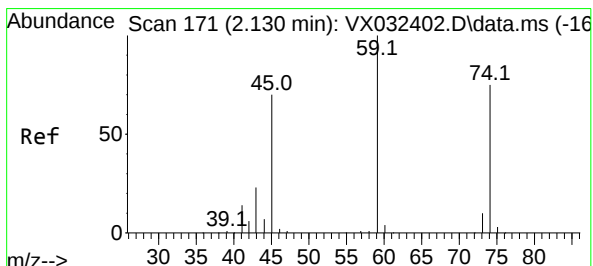
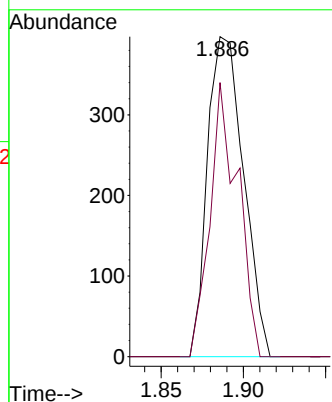
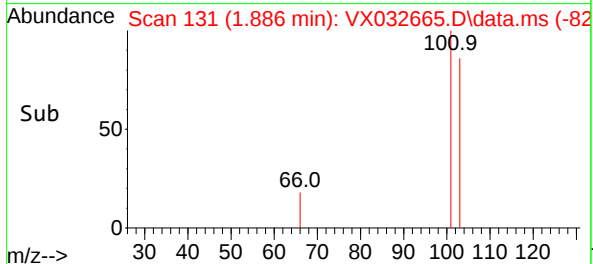


#7
 Trichlorofluoromethane
 Concen: 0.265 ug/l
 RT: 1.886 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032665.D
 Acq: 08 Nov 2022 19:32

Instrument :
 MSVOA_X
 ClientSampleId :

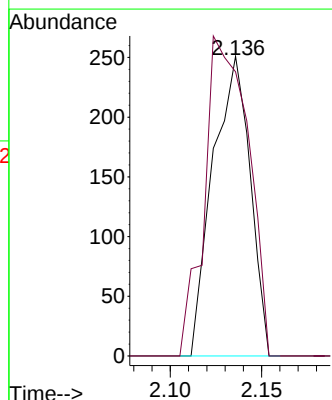
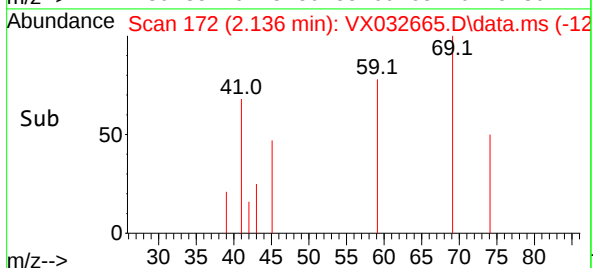
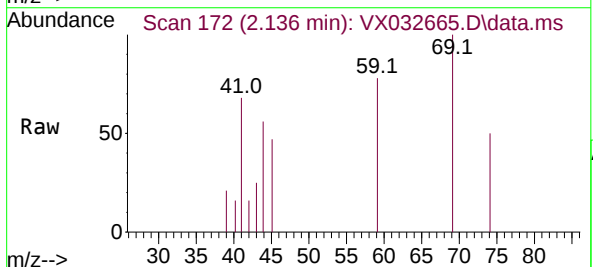


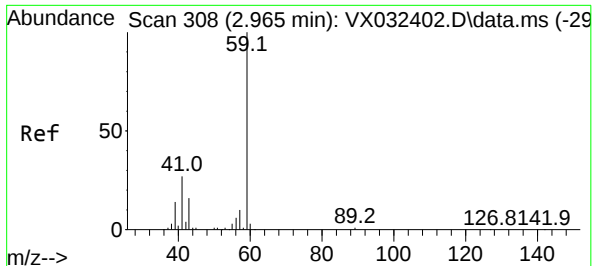
Tgt Ion:101 Resp: 606
 Ion Ratio Lower Upper
 101 100
 103 85.6 51.4 77.2#



#8
 Diethyl Ether
 Concen: 0.479 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.006 min
 Lab File: VX032665.D
 Acq: 08 Nov 2022 19:32

Tgt Ion: 74 Resp: 355
 Ion Ratio Lower Upper
 74 100
 45 125.6 46.6 139.7

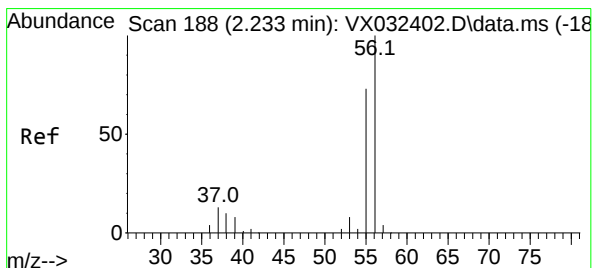
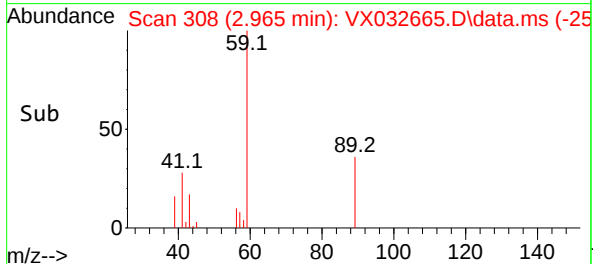
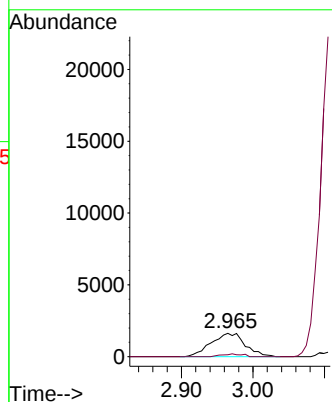
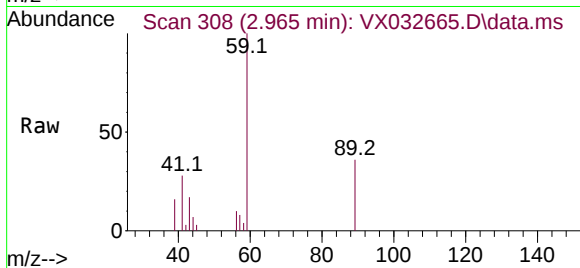




#11
Tert butyl alcohol
Concen: 23.782 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.000 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

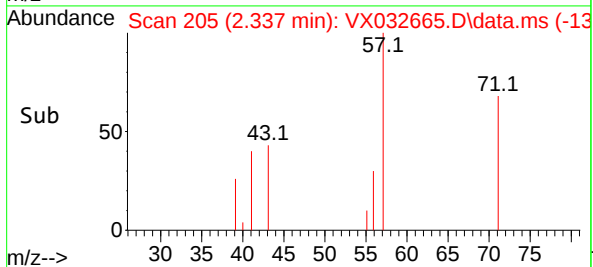
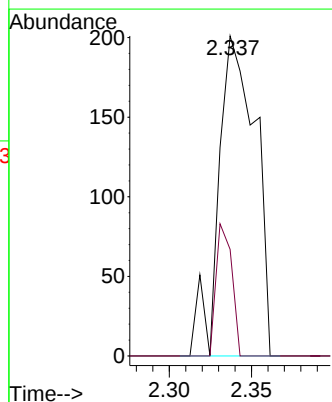
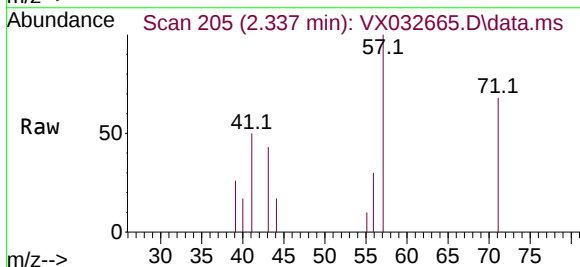
Instrument :
MSVOA_X
ClientSampleId :

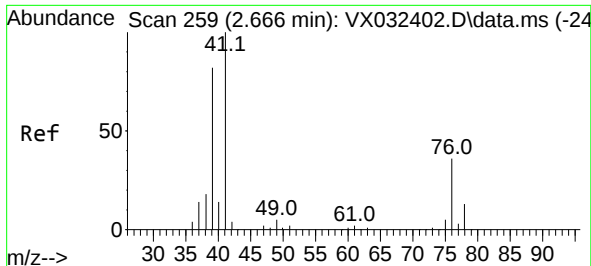
Tgt Ion: 59 Resp: 5407
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 1.379 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.104 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

Tgt Ion: 56 Resp: 313
Ion Ratio Lower Upper
56 100
55 17.6 56.9 85.3#

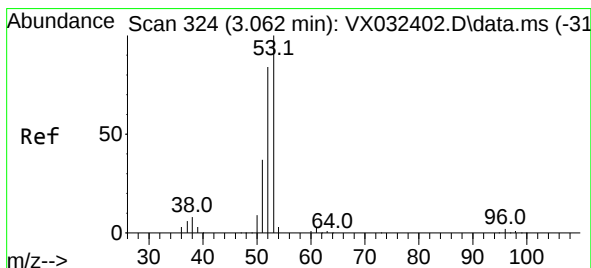
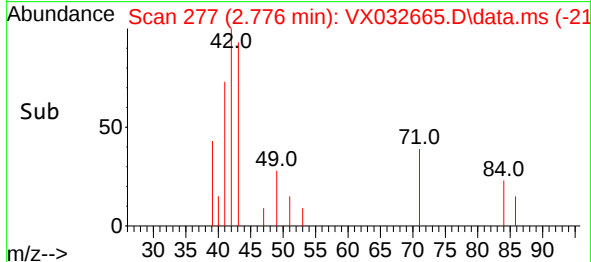
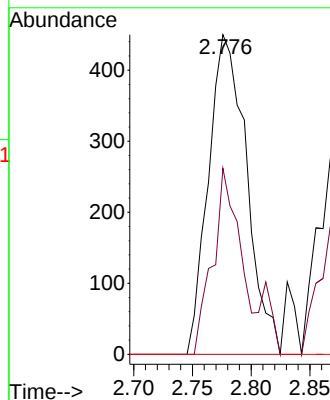
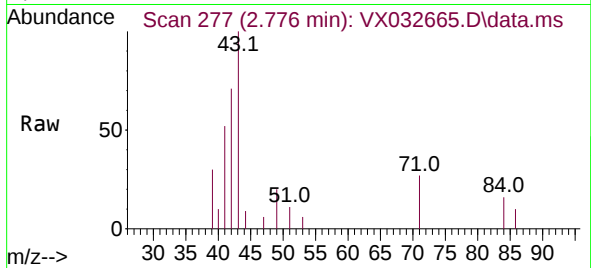




#14
 Allyl chloride
 Concen: 0.564 ug/l
 RT: 2.776 min Scan# 21
 Delta R.T. 0.110 min
 Lab File: VX032665.D
 Acq: 08 Nov 2022 19:32

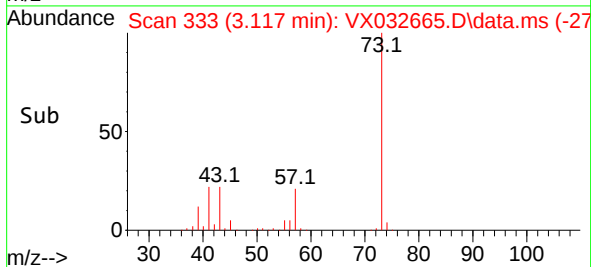
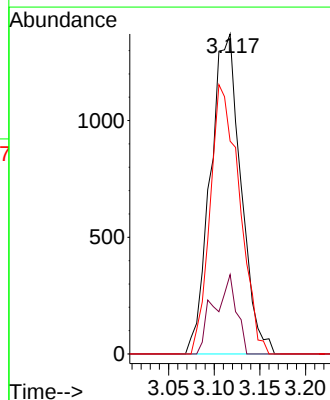
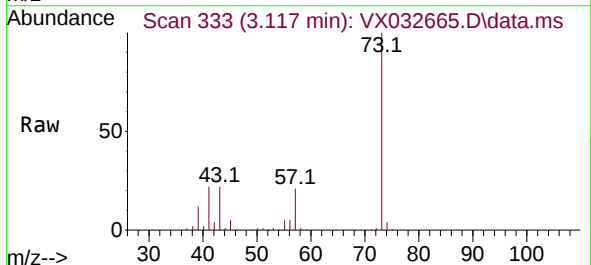
Instrument :
 MSVOA_X
 ClientSampleId :

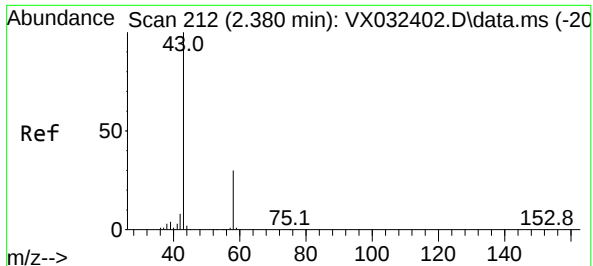
Tgt Ion: 41 Resp: 1013
 Ion Ratio Lower Upper
 41 100
 39 43.4 61.4 92.2#
 76 0.0 29.2 43.8#



#15
 Acrylonitrile
 Concen: 5.173 ug/l
 RT: 3.117 min Scan# 333
 Delta R.T. 0.055 min
 Lab File: VX032665.D
 Acq: 08 Nov 2022 19:32

Tgt Ion: 53 Resp: 3192
 Ion Ratio Lower Upper
 53 100
 52 18.2 67.4 101.0#
 51 80.9 30.3 45.5#

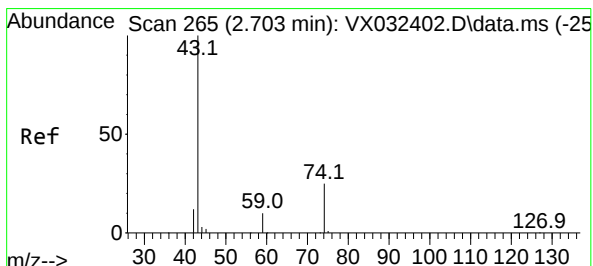
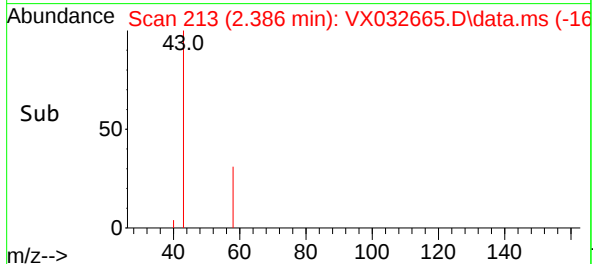
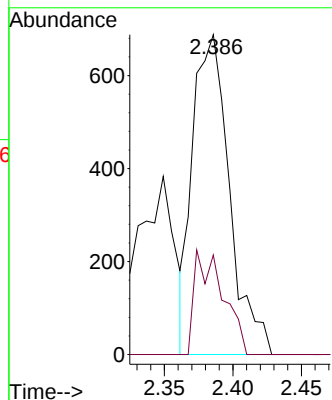
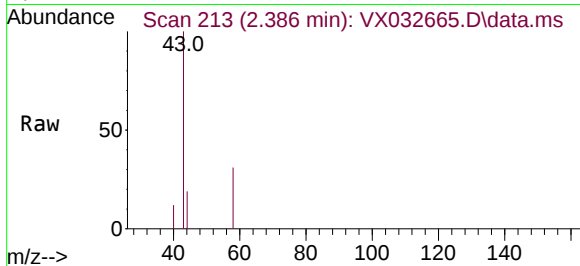




#16
Acetone
Concen: 2.260 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

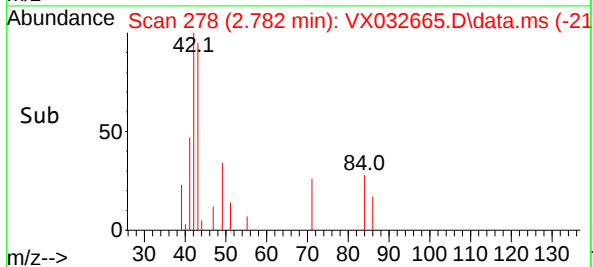
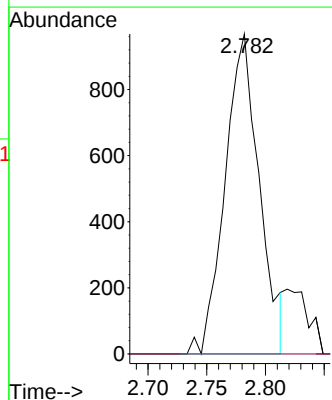
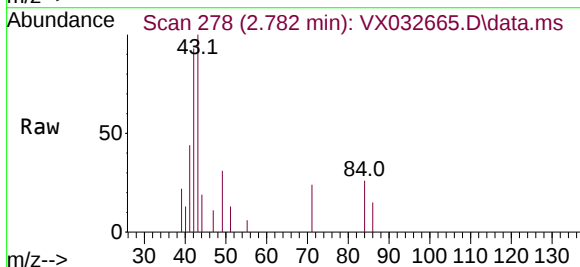
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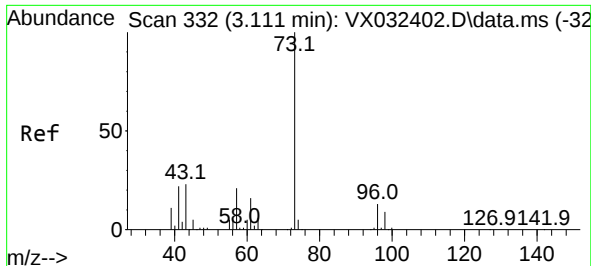
Tgt Ion: 43 Resp: 1283
Ion Ratio Lower Upper
43 100
58 31.1 23.8 35.8



#18
Methyl Acetate
Concen: 1.062 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.079 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

Tgt Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#

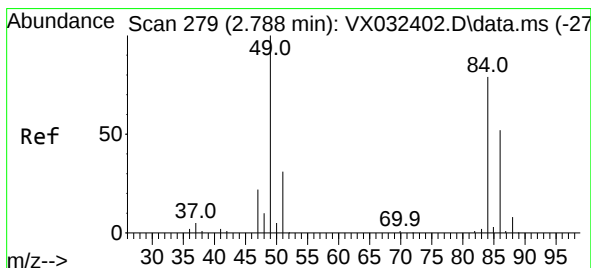
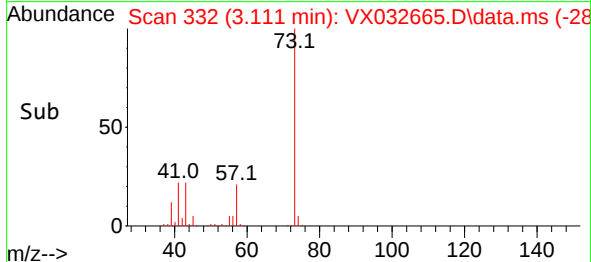
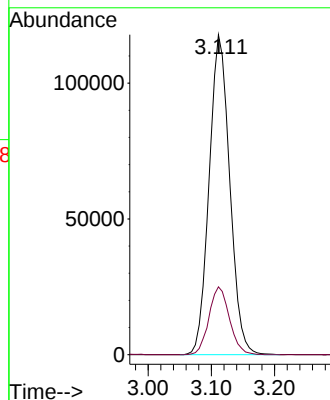
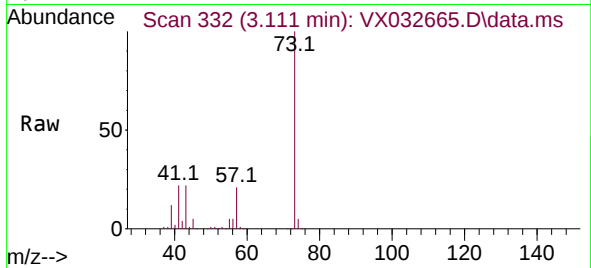




#19
Methyl tert-butyl Ether
Concen: 67.223 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

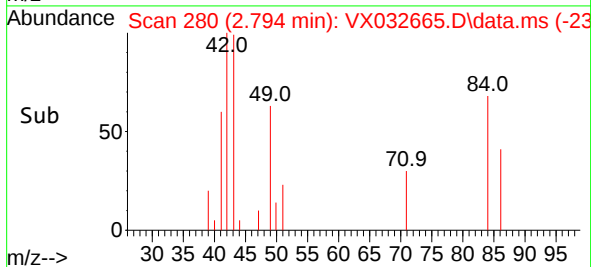
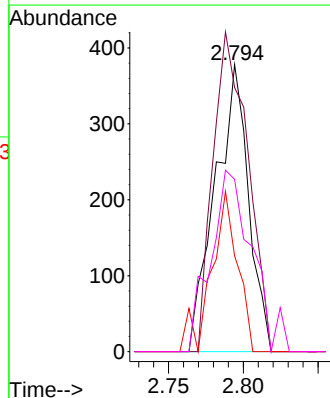
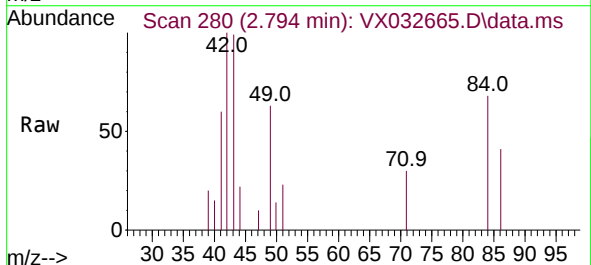
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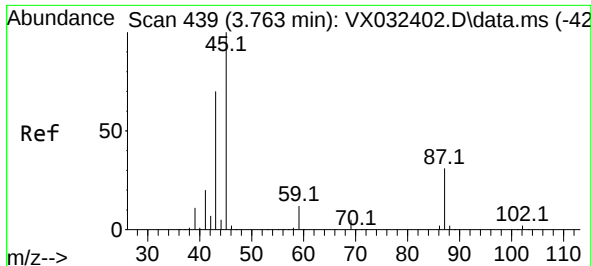
Tgt Ion: 73 Resp: 266378
Ion Ratio Lower Upper
73 100
57 21.2 16.6 25.0



#20
Methylene Chloride
Concen: 0.449 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

Tgt Ion: 84 Resp: 585
Ion Ratio Lower Upper
84 100
49 92.1 101.0 151.6#
51 33.3 31.1 46.7
86 60.1 52.3 78.5

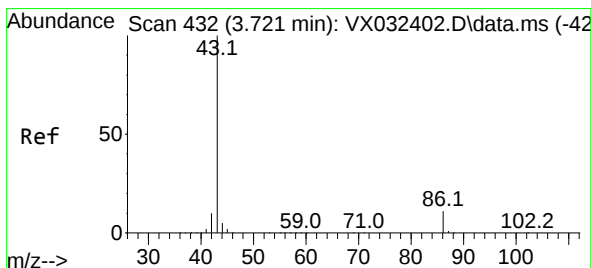
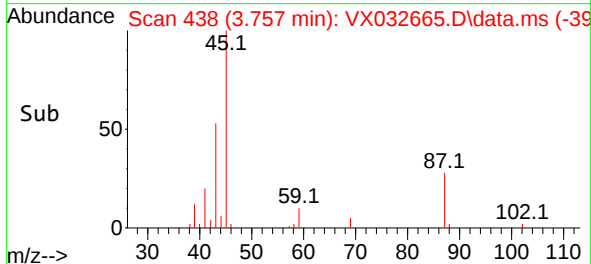
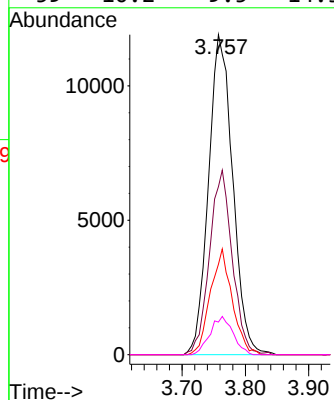
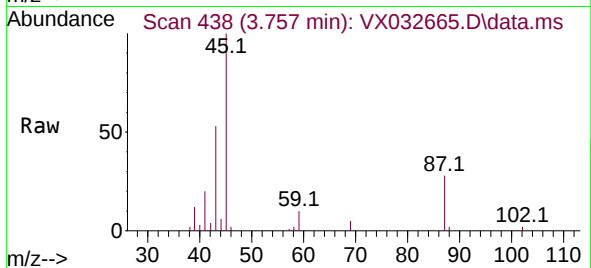




#22
Diisopropyl ether
Concen: 8.133 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

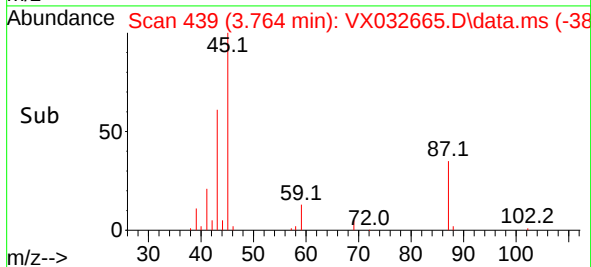
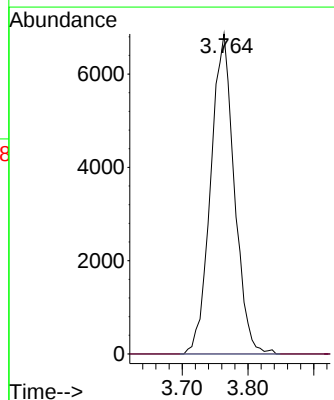
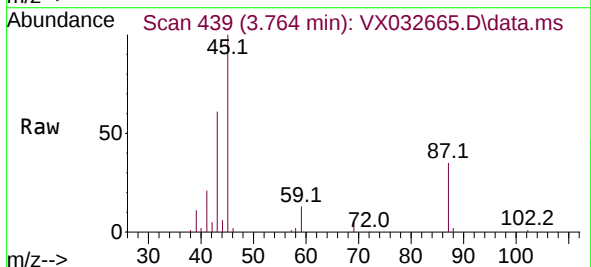
Instrument :
MSVOA_X
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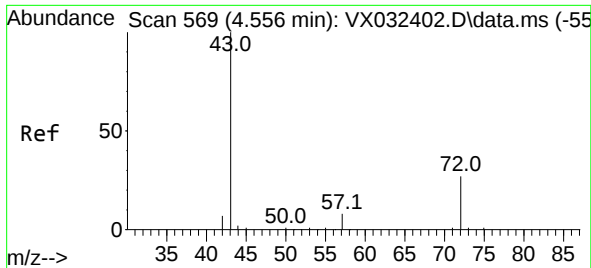
Tgt Ion:	45	Resp:	31615
Ion	Ratio	Lower	Upper
45	100		
43	52.5	56.4	84.6#
87	28.3	24.4	36.6
59	10.2	9.5	14.3



#23
Vinyl Acetate
Concen: 5.476 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.043 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

Tgt Ion:	43	Resp:	17197
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

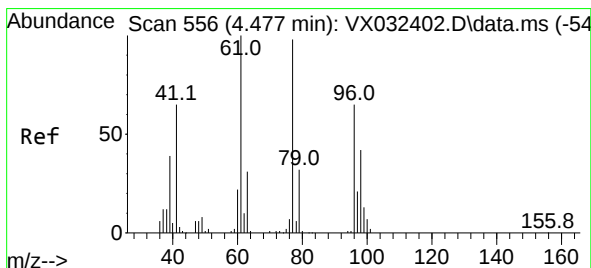
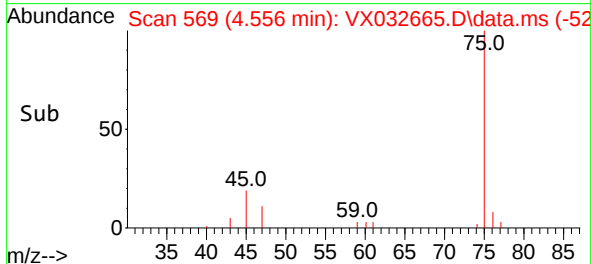
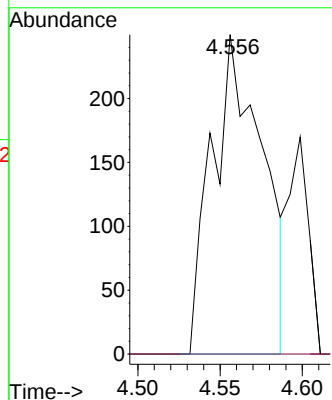
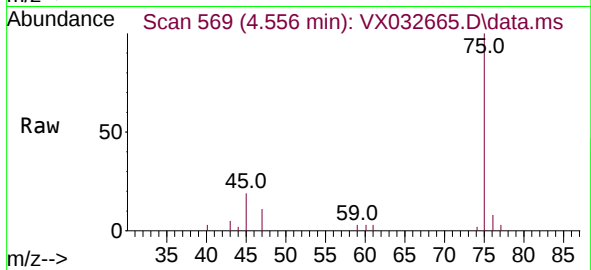




#25
2-Butanone
Concen: 0.607 ug/l
RT: 4.556 min Scan# 509
Delta R.T. 0.000 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

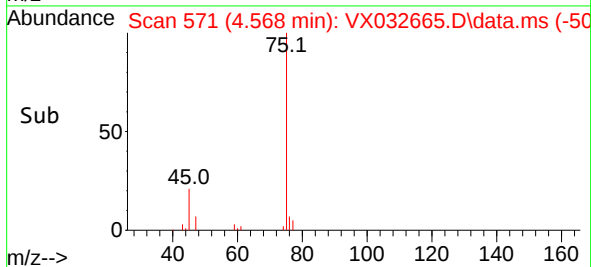
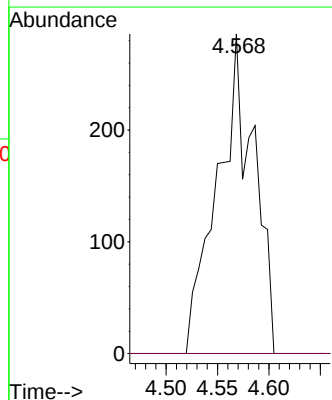
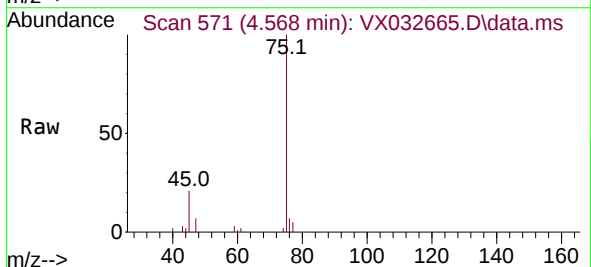
Instrument :
MSVOA_X
ClientSampleId :

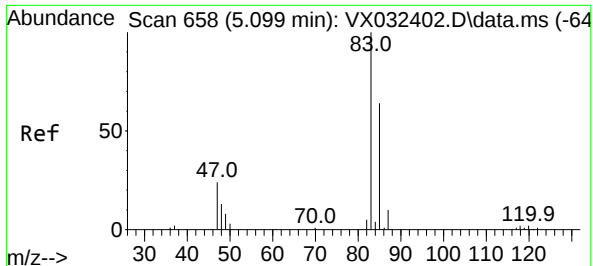
Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#



#26
2,2-Dichloropropane
Concen: 0.396 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.091 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

Tgt Ion: 77 Resp: 703
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.1#





#30

Chloroform

Concen: 0.224 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.012 min

Lab File: VX032665.D

Acq: 08 Nov 2022 19:32

Instrument :

MSVOA_X

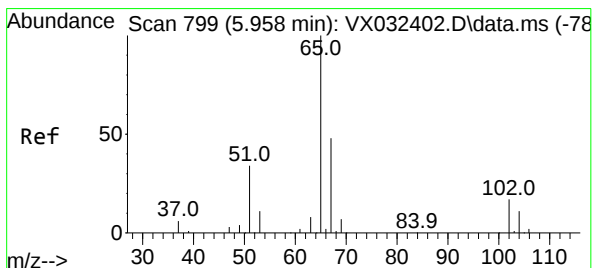
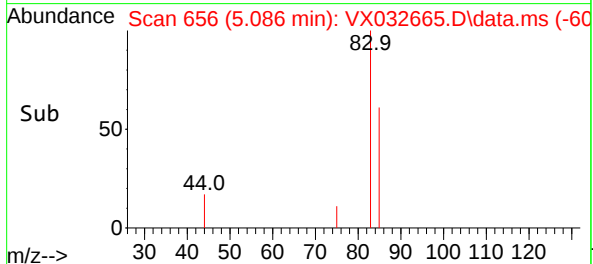
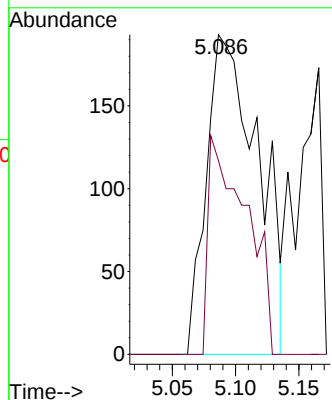
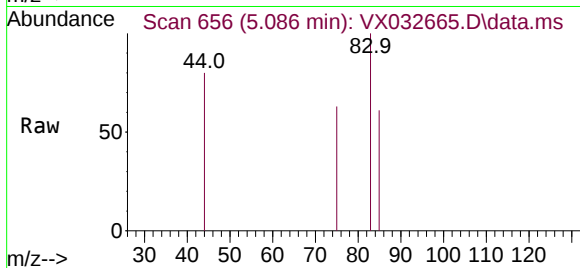
ClientSampleId :

Tgt Ion: 83 Resp: 549

Ion Ratio Lower Upper

83 100

85 60.6 51.1 76.7



#33

1,2-Dichloroethane-d4

Concen: 51.065 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032665.D

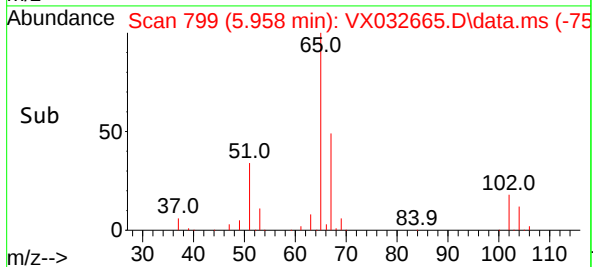
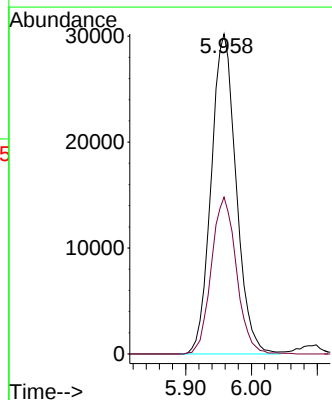
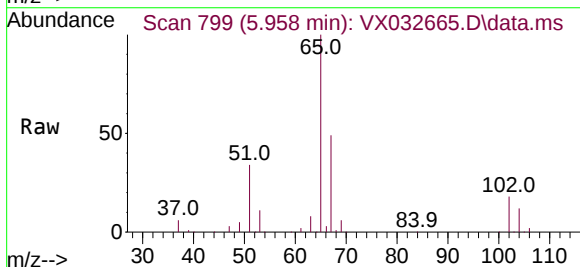
Acq: 08 Nov 2022 19:32

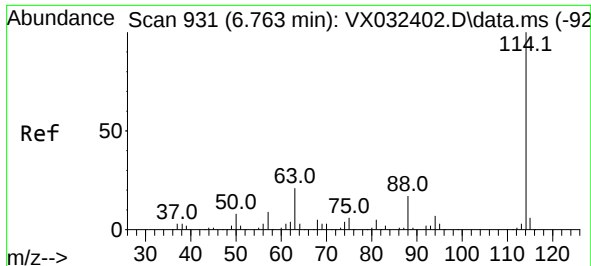
Tgt Ion: 65 Resp: 79767

Ion Ratio Lower Upper

65 100

67 49.2 0.0 101.8

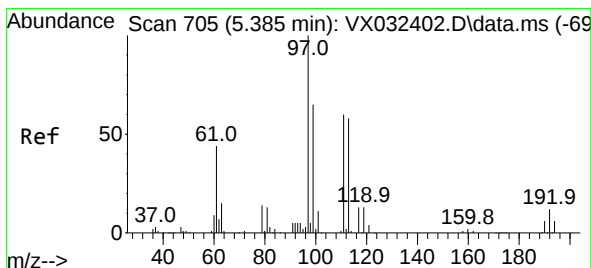
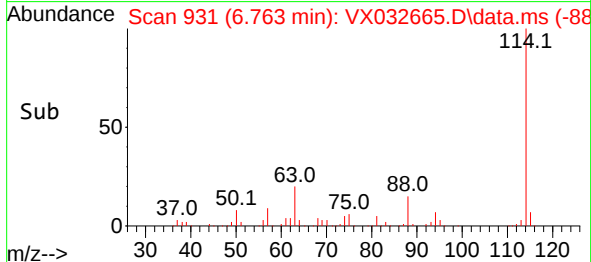
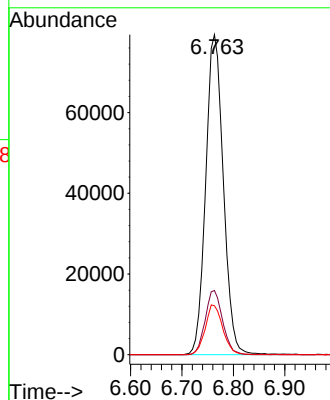
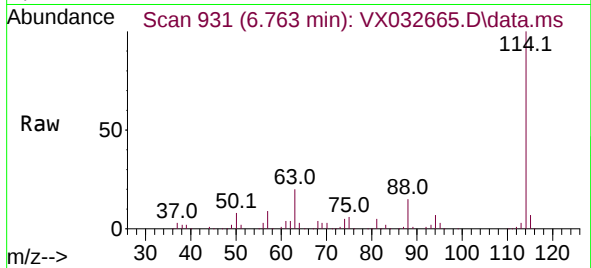




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

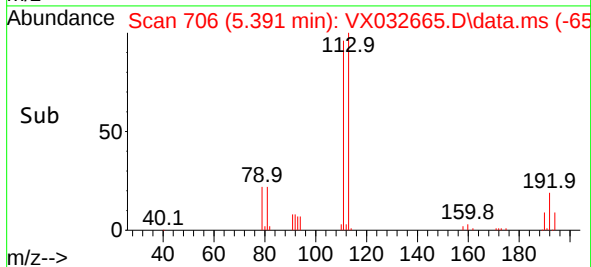
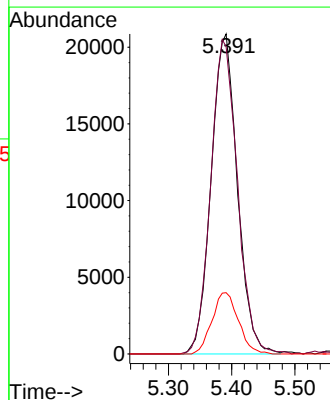
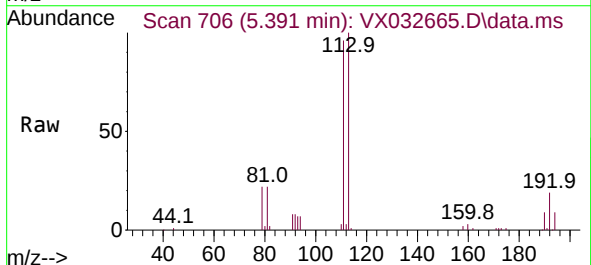
Instrument :
MSVOA_X
ClientSampleId :

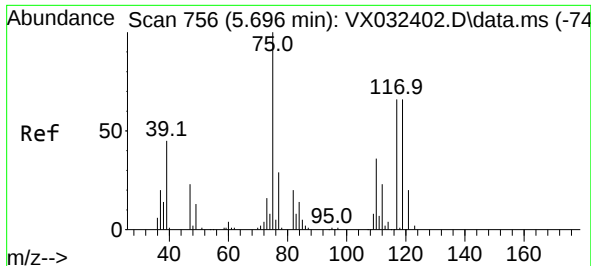
Tgt Ion:114 Resp: 188876
Ion Ratio Lower Upper
114 100
63 20.0 0.0 41.6
88 15.3 0.0 33.4



#35
Dibromofluoromethane
Concen: 44.529 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

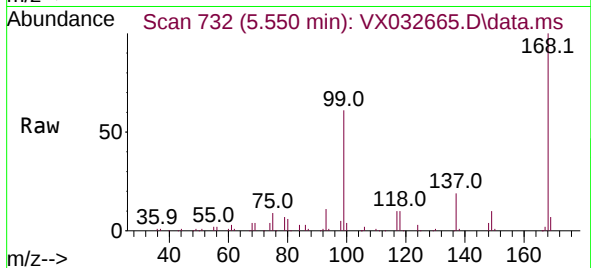
Tgt Ion:113 Resp: 59993
Ion Ratio Lower Upper
113 100
111 100.2 82.4 123.6
192 19.3 15.4 23.2



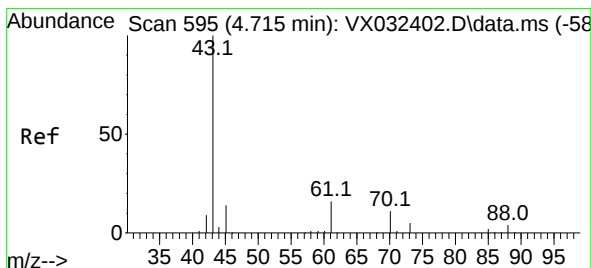
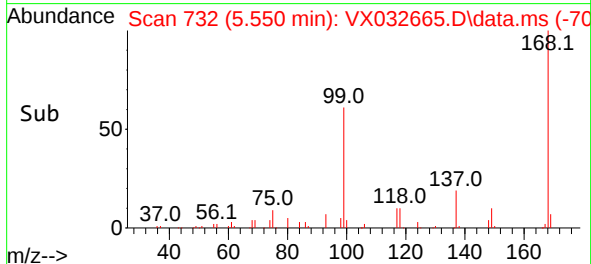
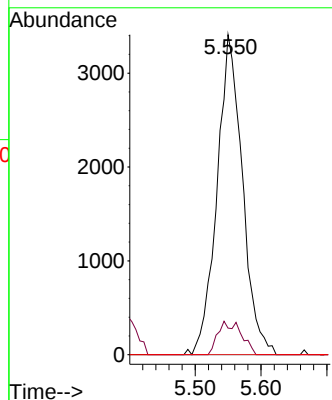


#36
1,1-Dichloropropene
Concen: 4.886 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

Instrument :
MSVOA_X
ClientSampleId :

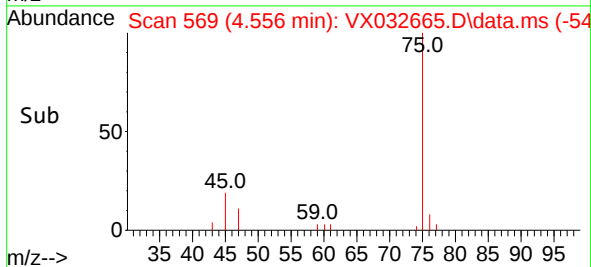
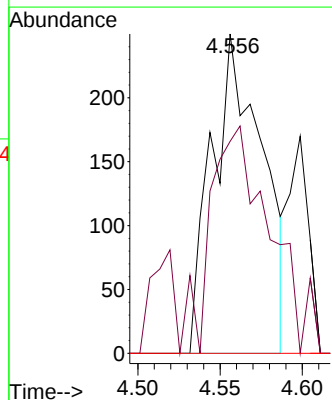
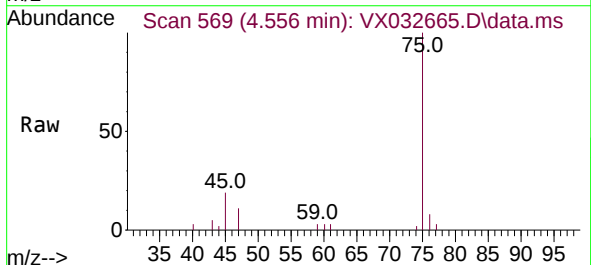


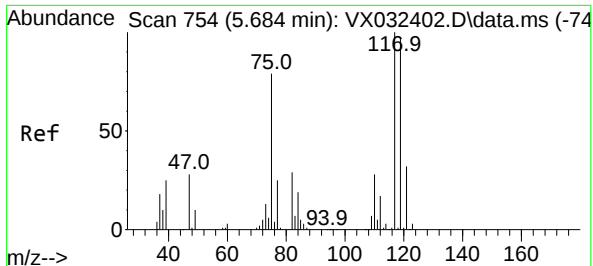
Tgt Ion: 75 Resp: 9166
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 0.273 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.158 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

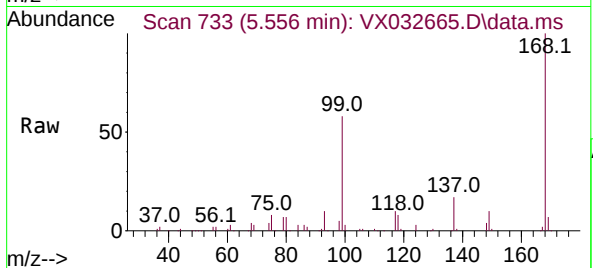
Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
61 85.4 11.5 17.3#
70 0.0 9.1 13.7#



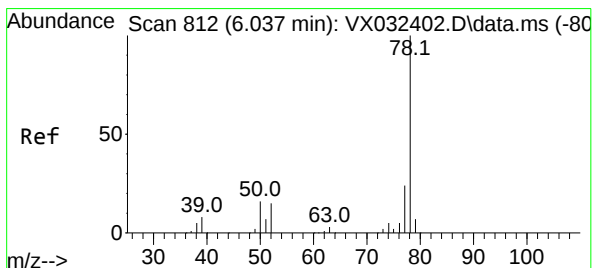
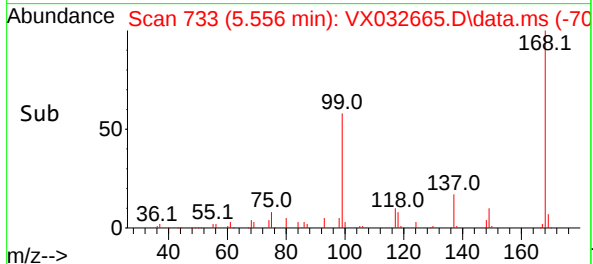
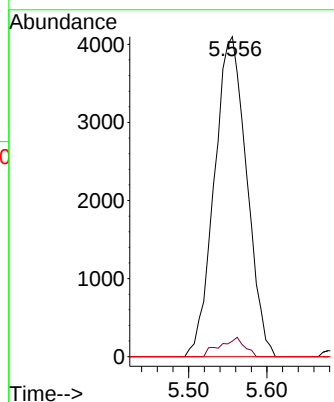


#38
Carbon Tetrachloride
Concen: 5.648 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

Instrument :
MSVOA_X
ClientSampleId :

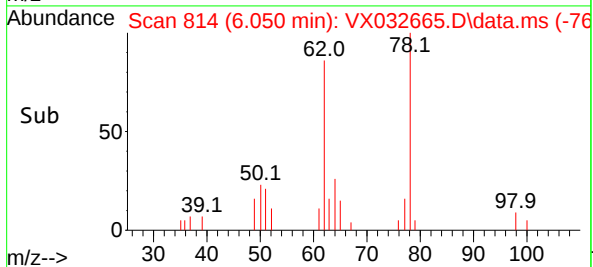
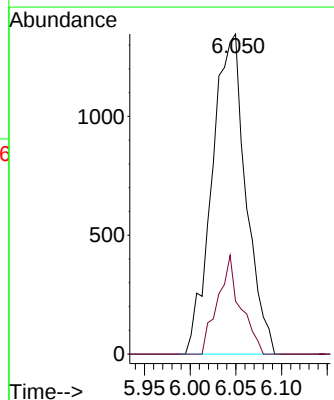
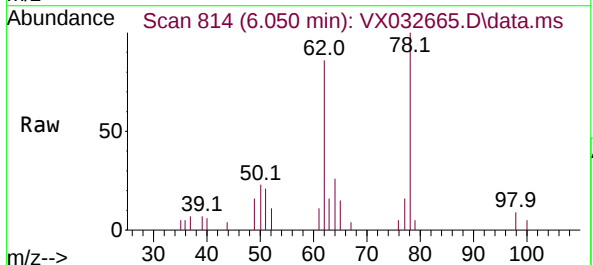


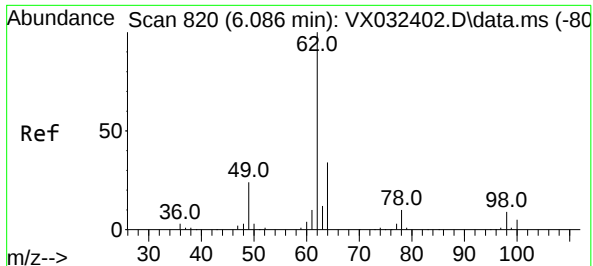
Tgt Ion:117 Resp: 11753
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 0.653 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

Tgt Ion: 78 Resp: 3466
Ion Ratio Lower Upper
78 100
77 16.5 19.0 28.4#





#42

1,2-Dichloroethane

Concen: 23.519 ug/l

RT: 6.086 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX032665.D

Acq: 08 Nov 2022 19:32

Instrument :

MSVOA_X

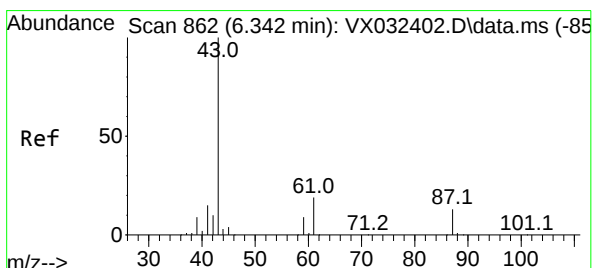
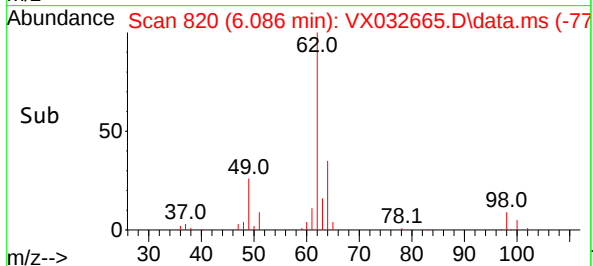
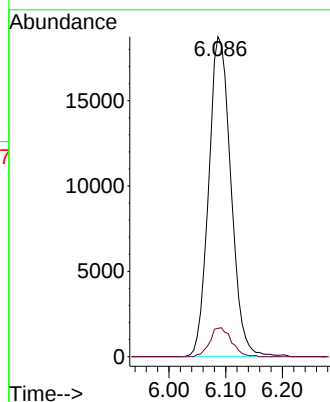
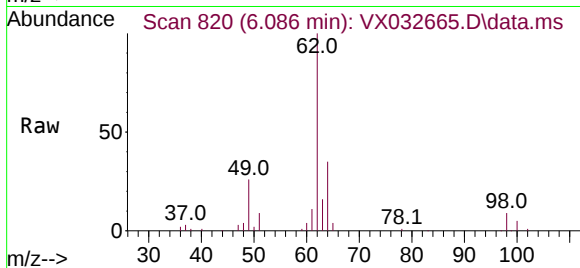
ClientSampleId :

Tgt Ion: 62 Resp: 51042

Ion Ratio Lower Upper

62 100

98 8.9 0.0 16.0



#43

Isopropyl Acetate

Concen: 0.224 ug/l

RT: 6.330 min Scan# 860

Delta R.T. -0.012 min

Lab File: VX032665.D

Acq: 08 Nov 2022 19:32

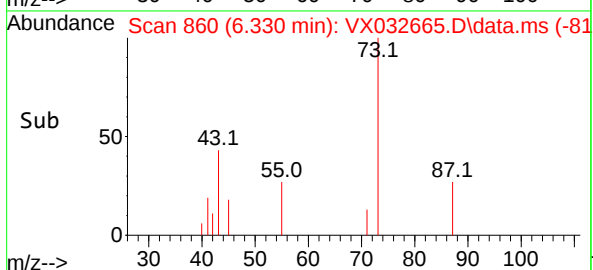
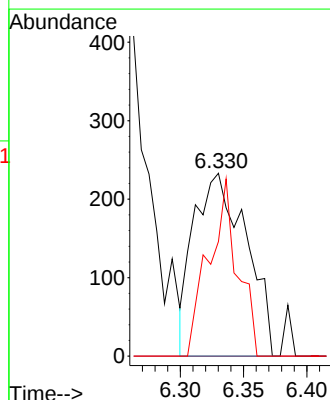
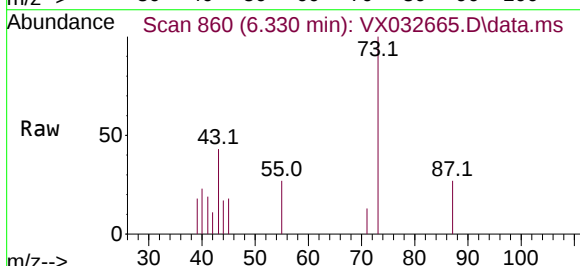
Tgt Ion: 43 Resp: 671

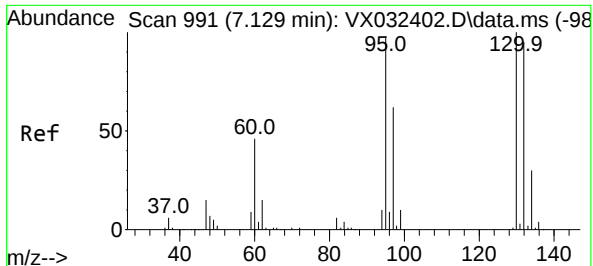
Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

87 53.2 10.8 16.2#

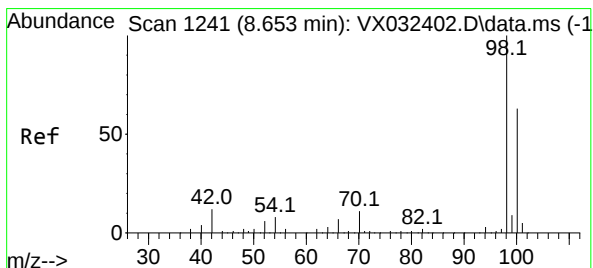
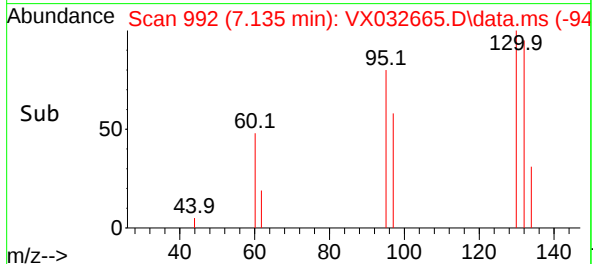
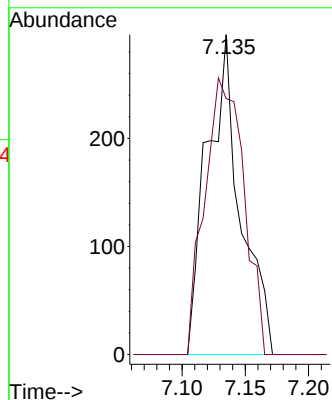
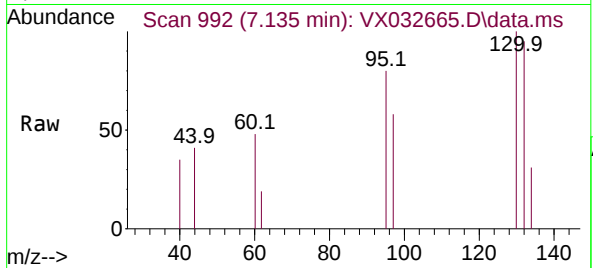




#44
Trichloroethene
Concen: 0.363 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

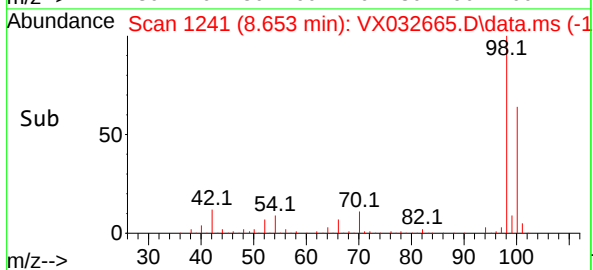
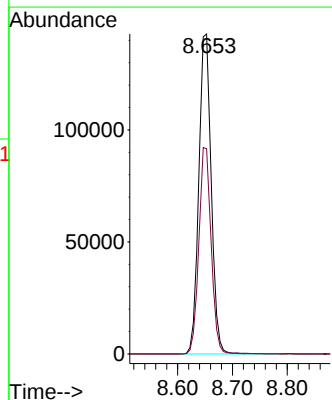
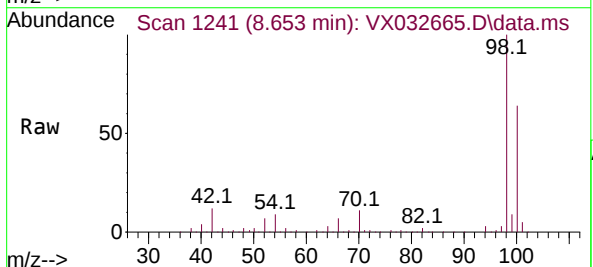
Instrument :
MSVOA_X
ClientSampleId :

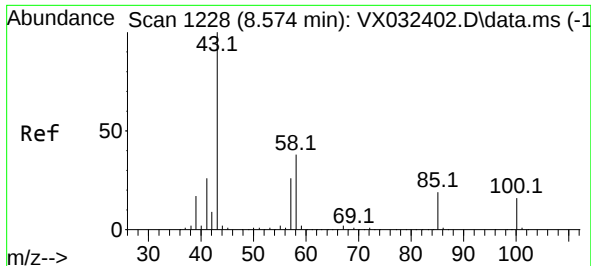
Tgt Ion:130 Resp: 542
Ion Ratio Lower Upper
130 100
95 80.1 0.0 195.2



#50
Toluene-d8
Concen: 48.133 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

Tgt Ion: 98 Resp: 225494
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.601 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX032665.D

Acq: 08 Nov 2022 19:32

Instrument :

MSVOA_X

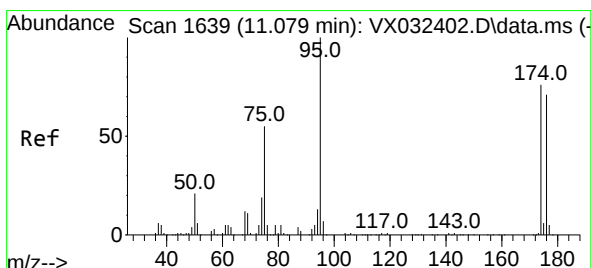
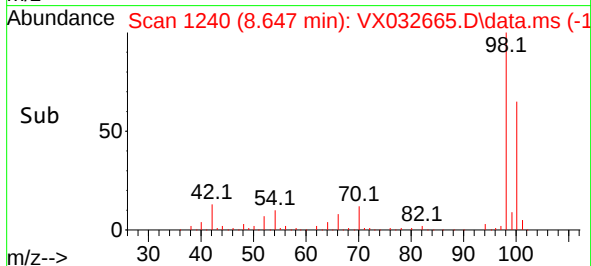
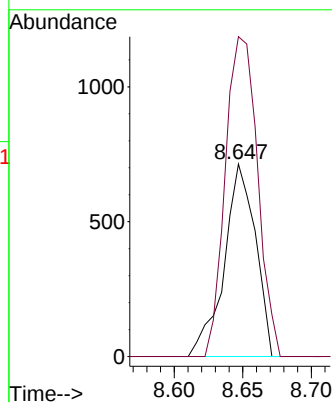
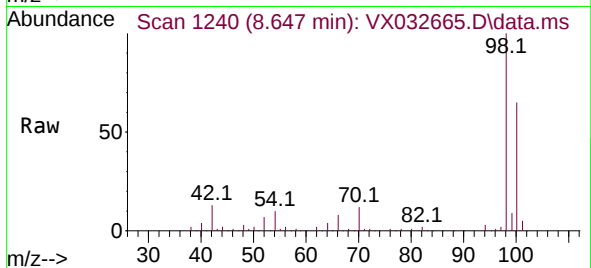
ClientSampleId :

Tgt Ion: 43 Resp: 1135

Ion Ratio Lower Upper

43 100

58 170.9 30.9 46.3#



#62

4-Bromofluorobenzene

Concen: 46.065 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032665.D

Acq: 08 Nov 2022 19:32

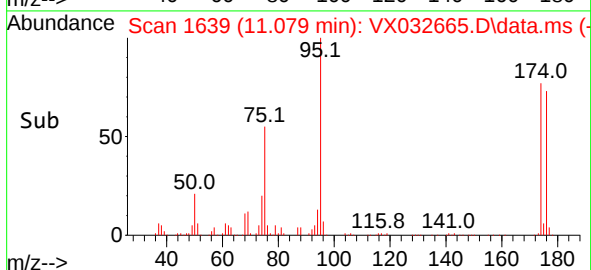
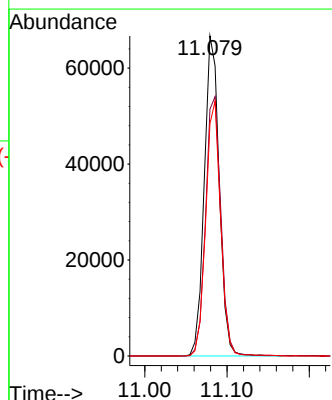
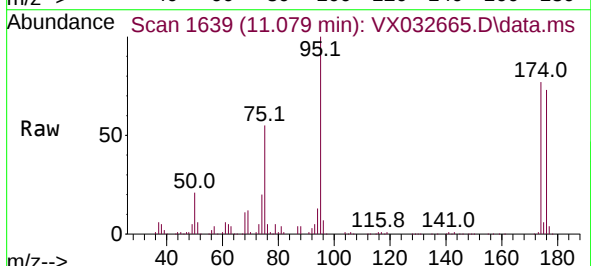
Tgt Ion: 95 Resp: 84298

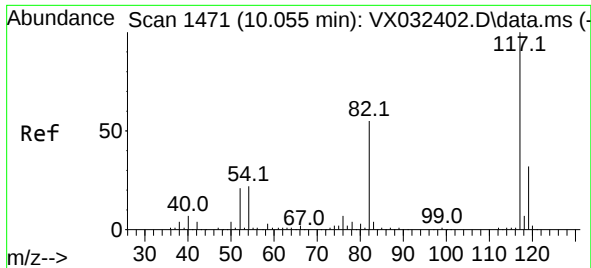
Ion Ratio Lower Upper

95 100

174 82.9 0.0 164.0

176 79.1 0.0 154.4

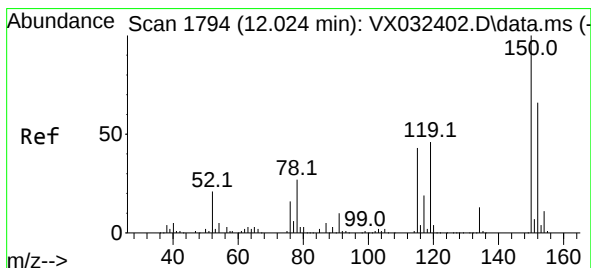
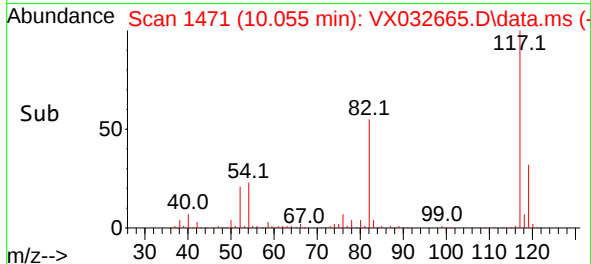
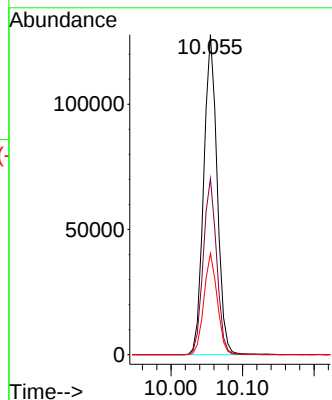
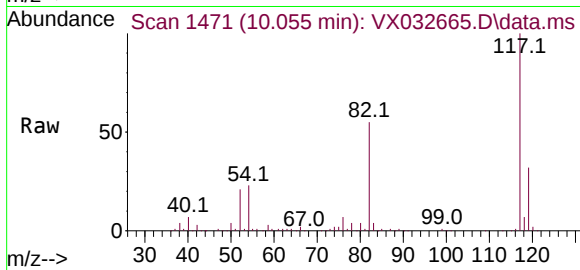




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

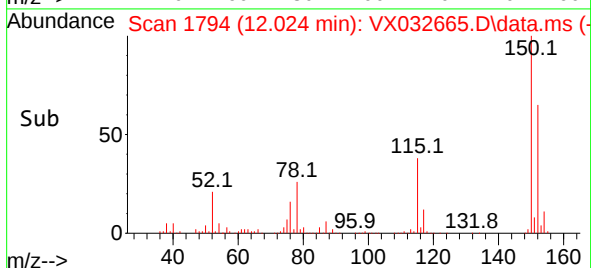
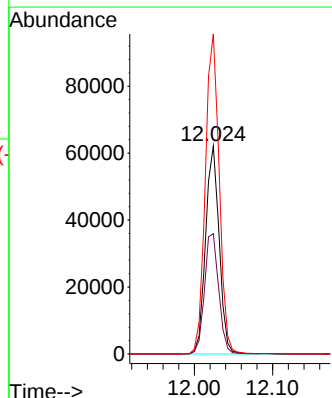
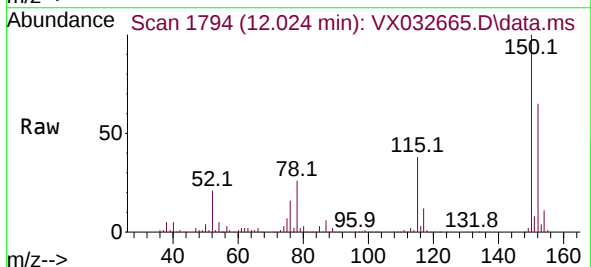
Instrument :
MSVOA_X
ClientSampleId :

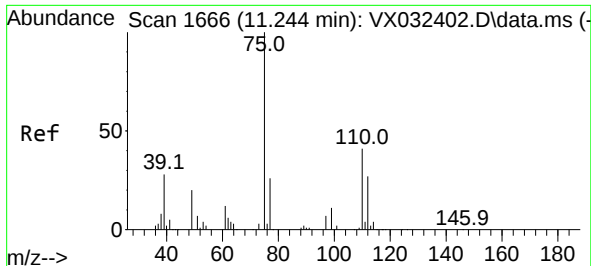
Tgt Ion:117 Resp: 167133
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

Tgt Ion:152 Resp: 74735
Ion Ratio Lower Upper
152 100
115 60.5 44.0 132.0
150 157.4 0.0 351.8

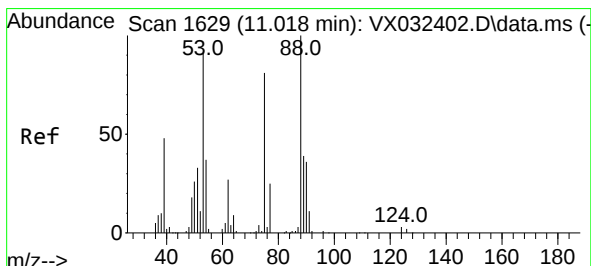
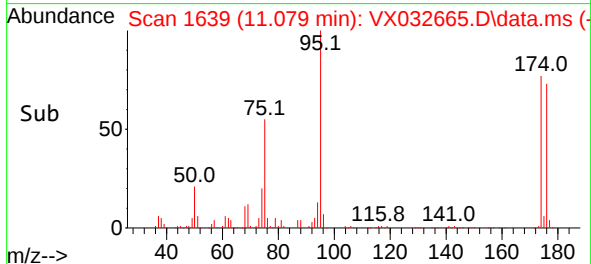
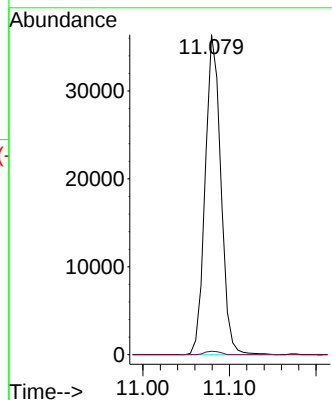
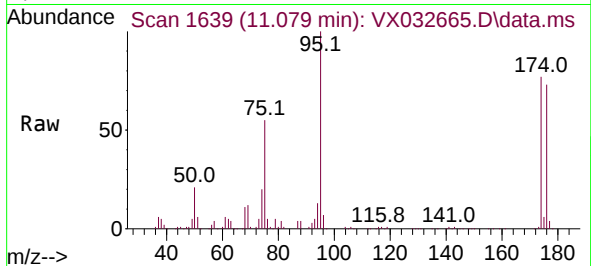




#76
1,2,3-Trichloropropane
Concen: 27.564 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

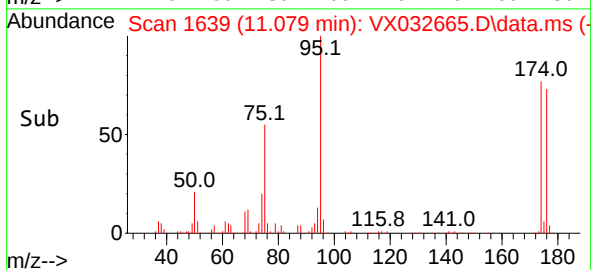
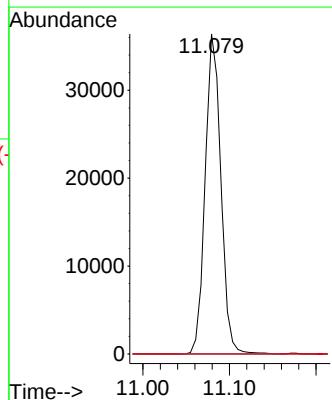
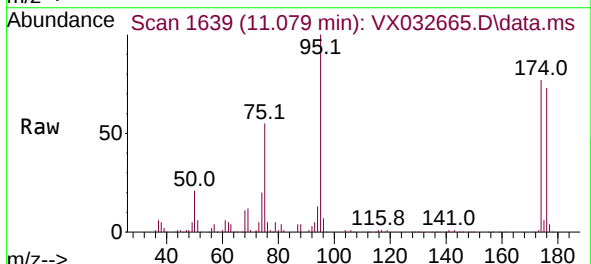
Instrument :
MSVOA_X
ClientSampleId :

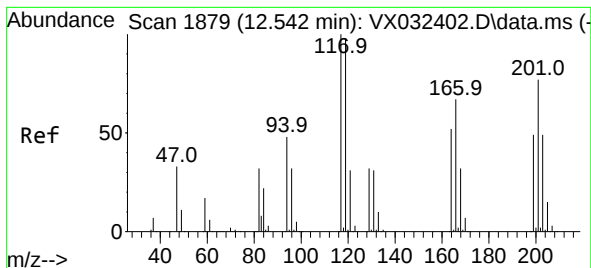
Tgt Ion: 75 Resp: 45830
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.710 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032665.D
Acq: 08 Nov 2022 19:32

Tgt Ion: 75 Resp: 45830
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#





#90

Hexachloroethane

Concen: 2.376 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.159 min

Lab File: VX032665.D

Acq: 08 Nov 2022 19:32

Instrument :

MSVOA_X

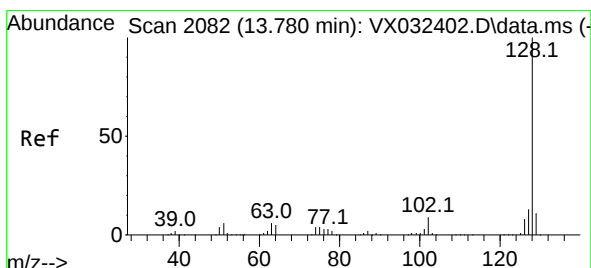
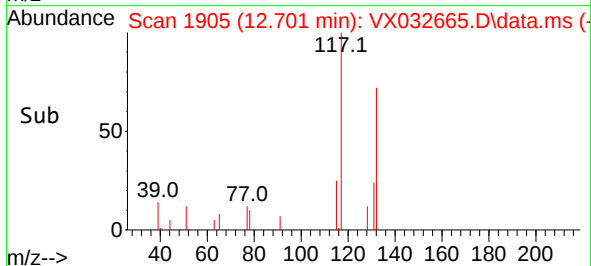
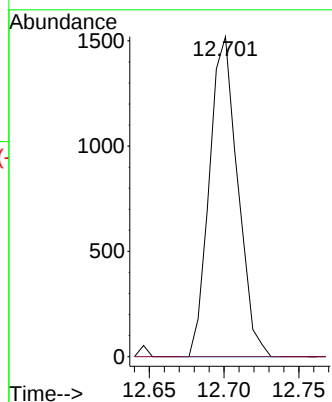
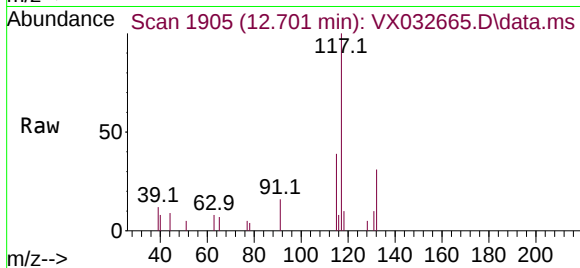
ClientSampleId :

Tgt Ion:117 Resp: 2002

Ion Ratio Lower Upper

117 100

201 0.0 37.6 112.9#



#95

Naphthalene

Concen: 0.320 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX032665.D

Acq: 08 Nov 2022 19:32

Tgt Ion:128 Resp: 1875

Ion Ratio Lower Upper

128 100

127 10.5 10.2 15.4

129 10.3 8.9 13.3

