

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082722\
 Data File : VX030874.D
 Acq On : 27 Aug 2022 16:40
 Operator : JC/MD
 Sample : N4391-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 256317-4

Quant Time: Aug 29 01:10:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	209186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	362519	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127596	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	141080	57.336	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.680%
35) Dibromofluoromethane	5.397	113	115061	51.644	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.280%
50) Toluene-d8	8.653	98	426091	54.882	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.760%
62) 4-Bromofluorobenzene	11.085	95	139689	48.328	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.660%

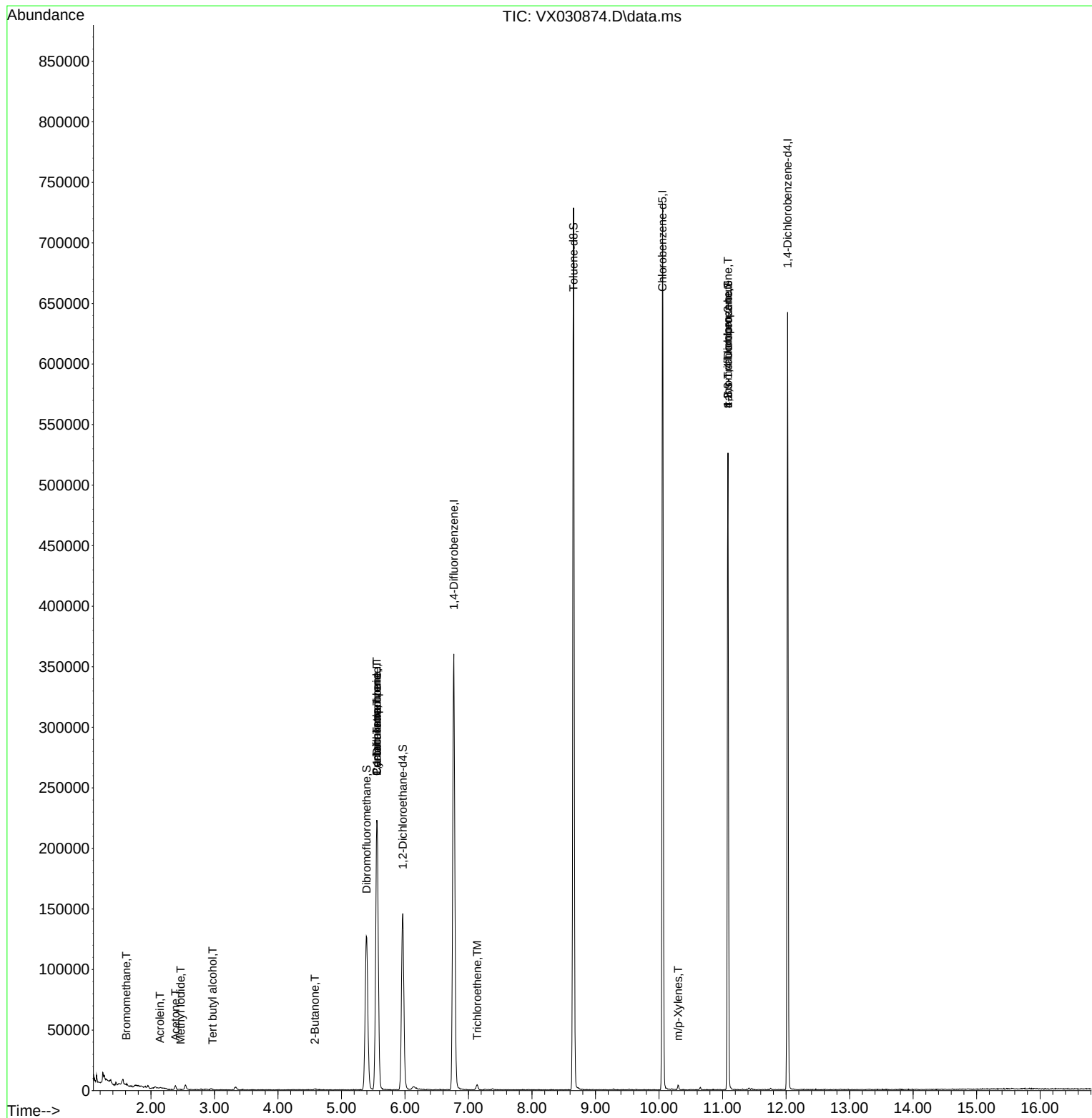
Target Compounds					Qvalue
3) Chloromethane	1.294	50	443	Below Cal	100
5) Bromomethane	1.611	94	688	0.706 ug/l	86
6) Chloroethane	1.703	64	195	Below Cal #	41
10) Methyl Iodide	2.465	142	241	4.160 ug/l #	79
11) Tert butyl alcohol	2.971	59	270	0.505 ug/l #	74
13) Acrolein	2.142	56	41	10.136 ug/l #	50
16) Acetone	2.386	43	3416	3.004 ug/l #	84
17) Carbon Disulfide	2.520	76	542	Below Cal #	74
20) Methylene Chloride	2.788	84	166	Below Cal #	40
25) 2-Butanone	4.580	43	572	0.312 ug/l #	48
31) Cyclohexane	5.556	56	4767	1.515 ug/l #	38
36) 1,1-Dichloropropene	5.556	75	18002	5.934 ug/l #	48
38) Carbon Tetrachloride	5.556	117	21544	6.732 ug/l #	17
44) Trichloroethene	7.135	130	1695	0.646 ug/l	87
68) m/p-Xylenes	10.299	106	824	0.200 ug/l	99
76) 1,2,3-Trichloropropane	11.085	75	71261	25.492 ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	71261	82.247 ug/l #	13

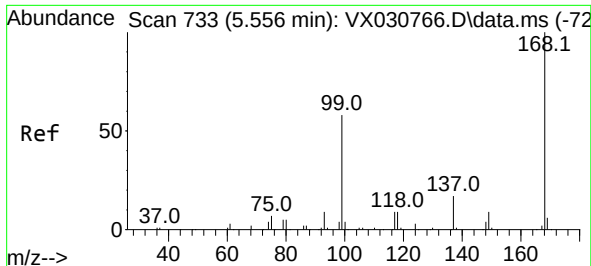
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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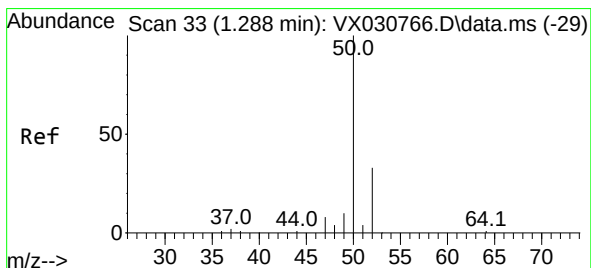
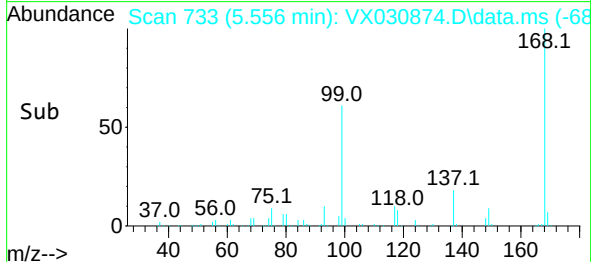
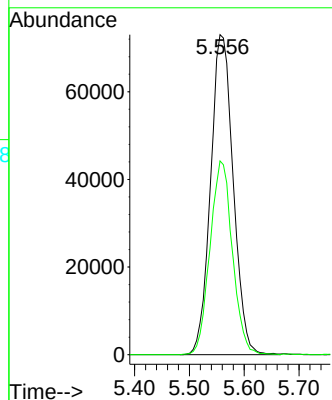
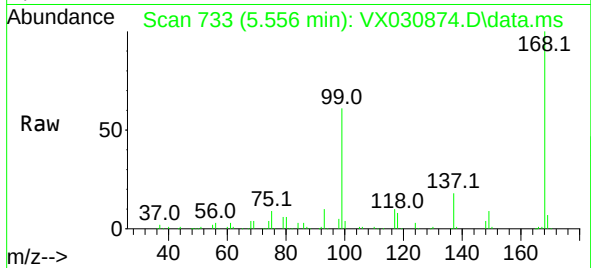




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

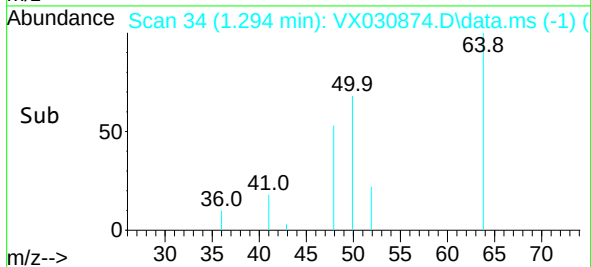
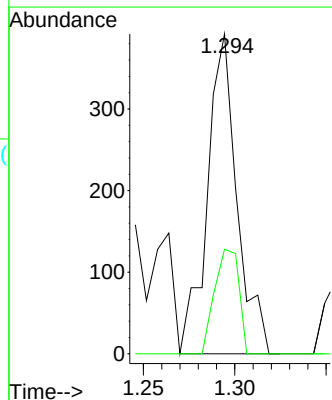
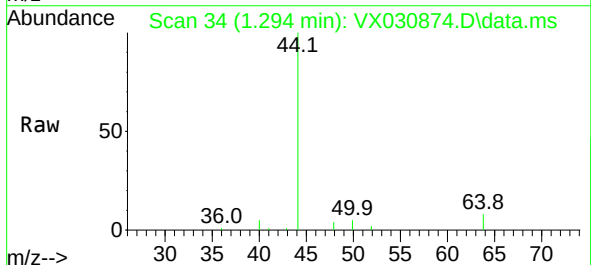
Instrument :
MSVOA_X
ClientSampleId :
256317-4

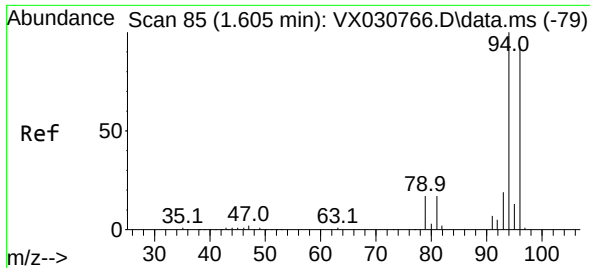
Tgt Ion:168 Resp: 209186
Ion Ratio Lower Upper
168 100
99 60.5 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

Tgt Ion: 50 Resp: 443
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5

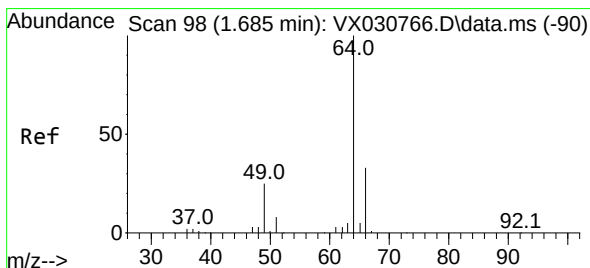
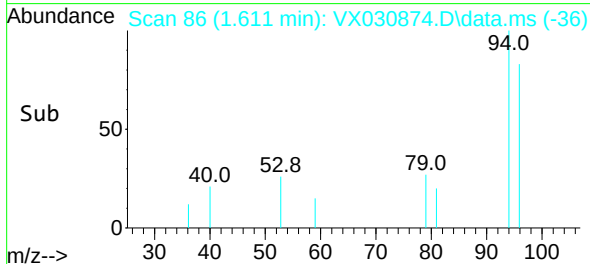
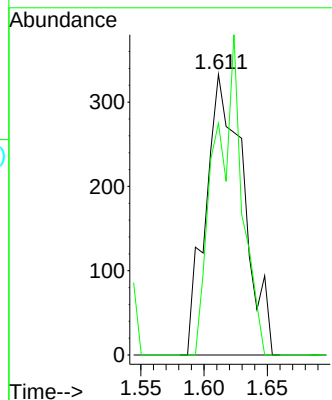
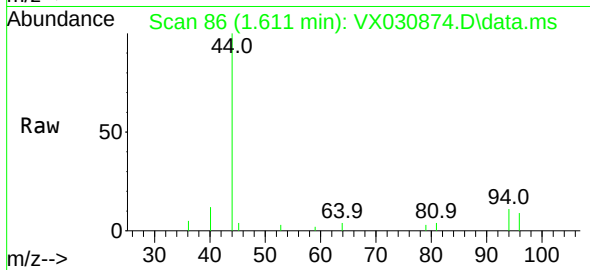




#5
Bromomethane
Concen: 0.706 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

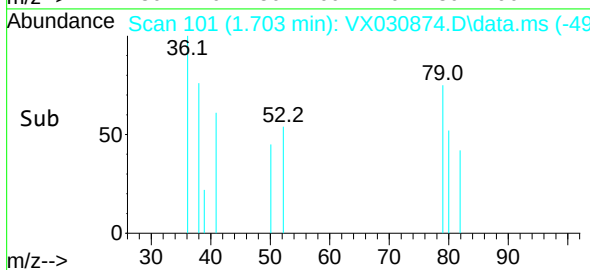
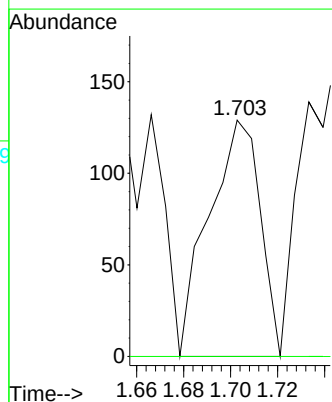
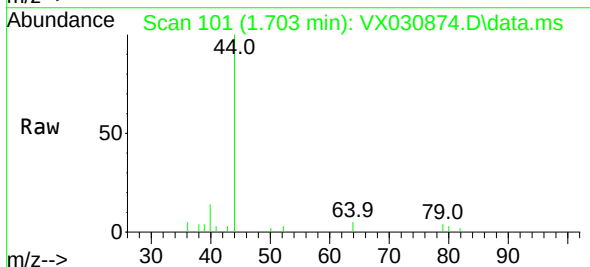
Instrument :
MSVOA_X
ClientSampleId :
256317-4

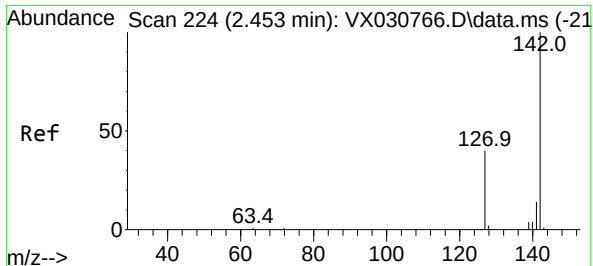
Tgt Ion: 94 Resp: 688
Ion Ratio Lower Upper
94 100
96 82.6 76.9 115.3



#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

Tgt Ion: 64 Resp: 195
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

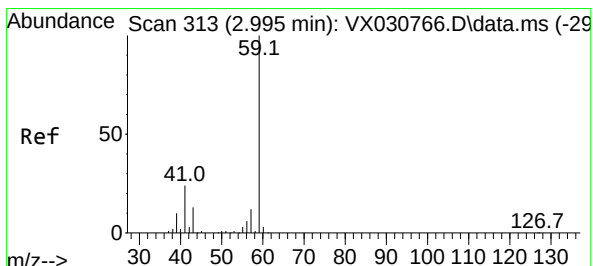
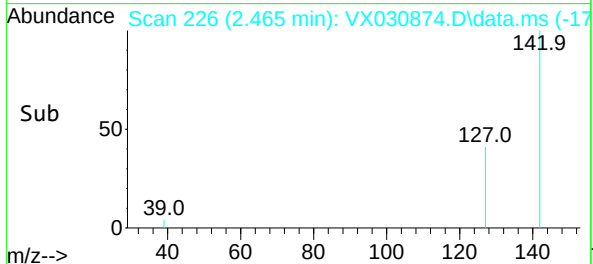
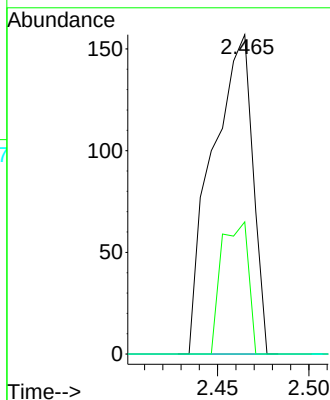
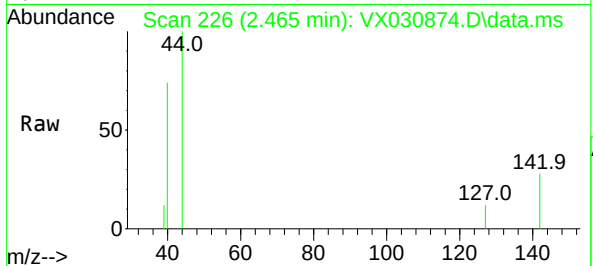




#10
Methyl Iodide
Concen: 4.160 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

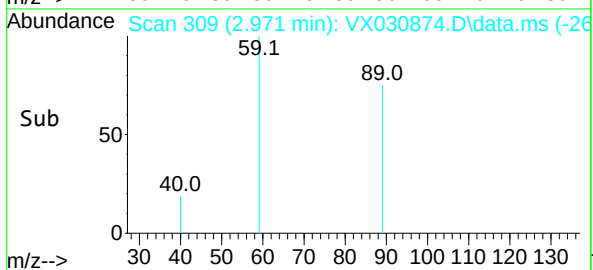
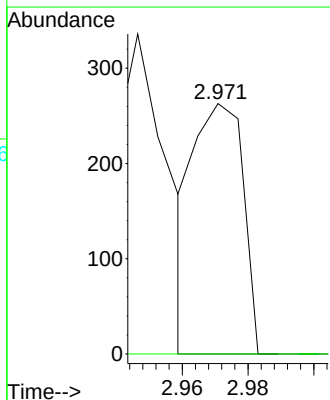
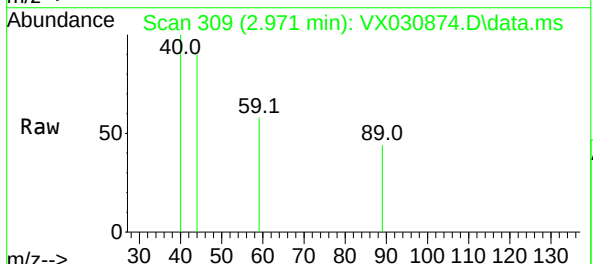
Instrument :
MSVOA_X
ClientSampleId :
256317-4

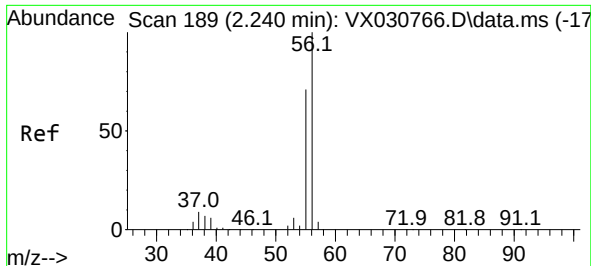
Tgt Ion:142 Resp: 241
Ion Ratio Lower Upper
142 100
127 27.8 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.505 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.025 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

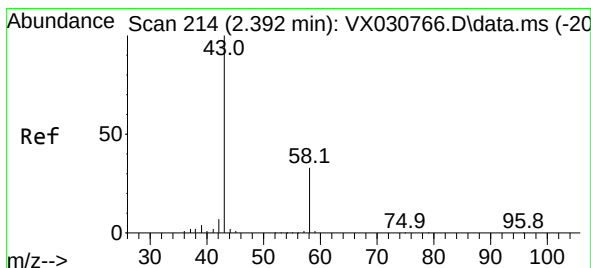
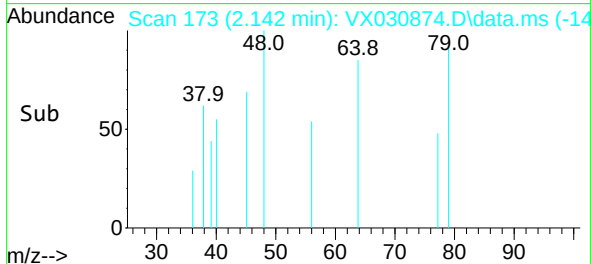
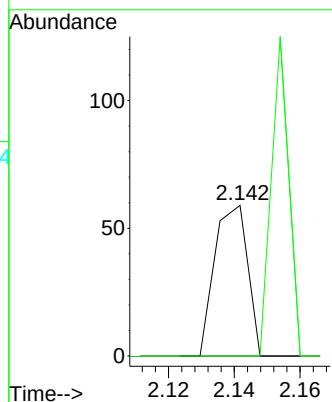
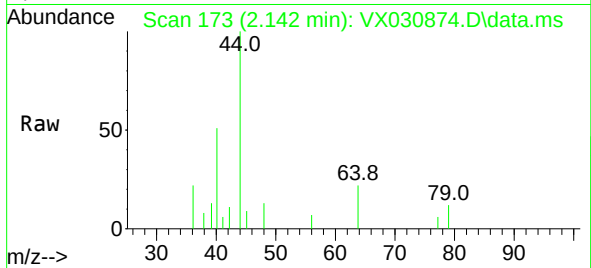




#13
Acrolein
Concen: 10.136 ug/l
RT: 2.142 min Scan# 11
Delta R.T. -0.098 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

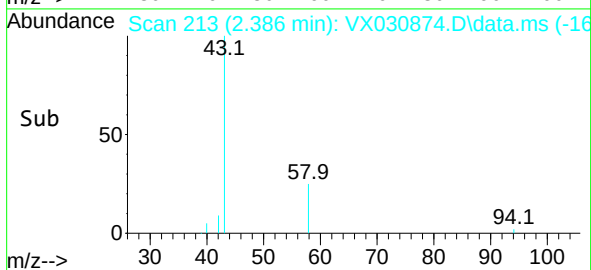
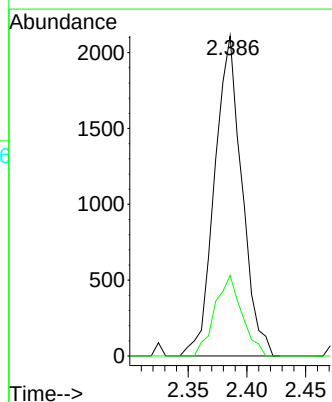
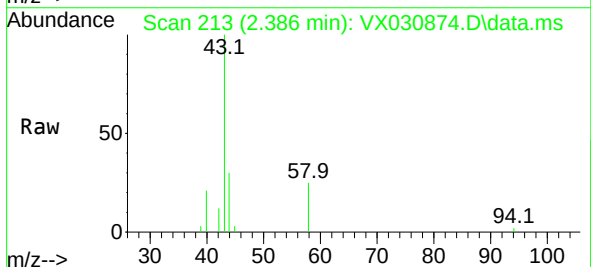
Instrument :
MSVOA_X
ClientSampleId :
256317-4

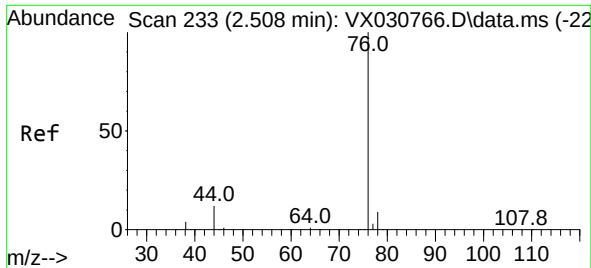
Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 112.2 56.6 84.8#



#16
Acetone
Concen: 3.004 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

Tgt Ion: 43 Resp: 3416
Ion Ratio Lower Upper
43 100
58 25.2 27.7 41.5#

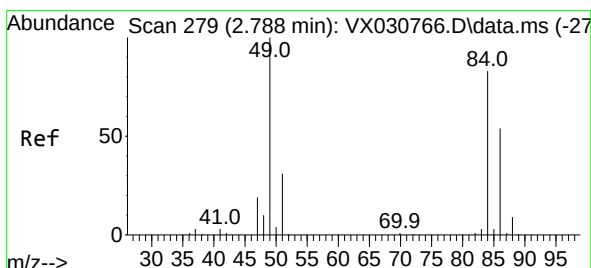
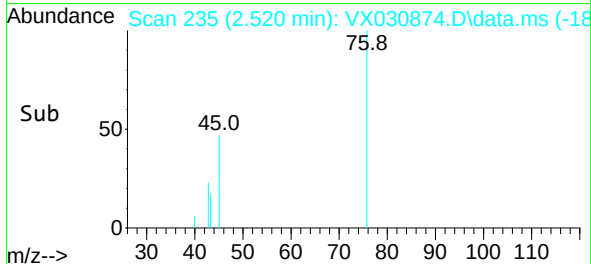
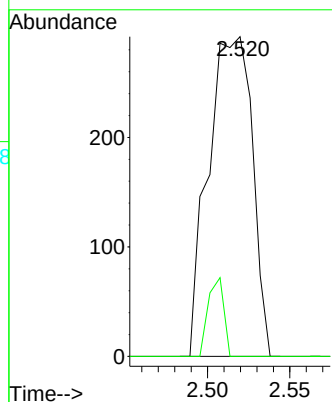
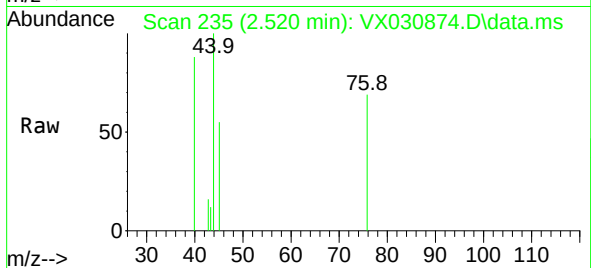




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.520 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

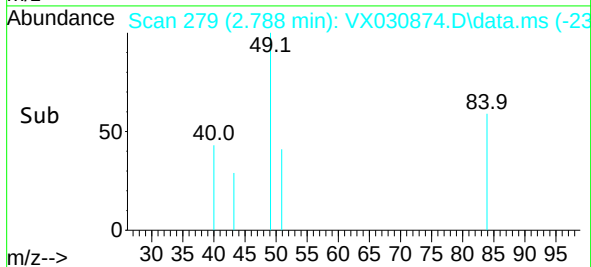
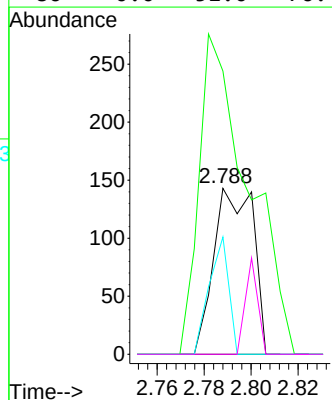
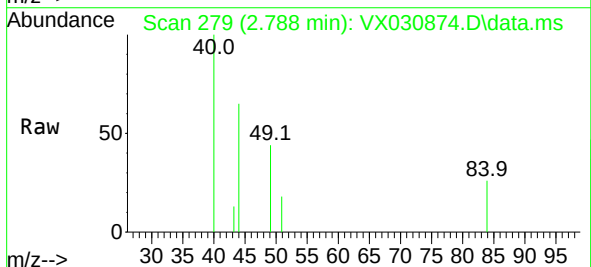
Instrument :
MSVOA_X
ClientSampleId :
256317-4

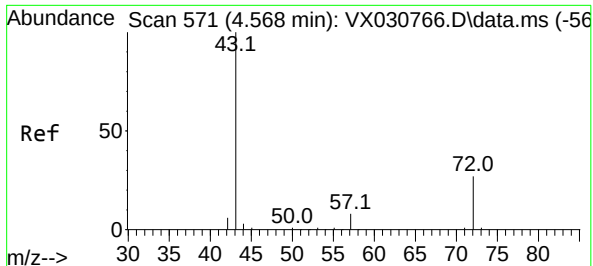
Tgt Ion: 76 Resp: 542
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

Tgt Ion: 84 Resp: 166
Ion Ratio Lower Upper
84 100
49 170.6 93.8 140.6#
51 70.6 29.4 44.0#
86 0.0 51.0 76.4#





#25

2-Butanone

Concen: 0.312 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX030874.D

Acq: 27 Aug 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

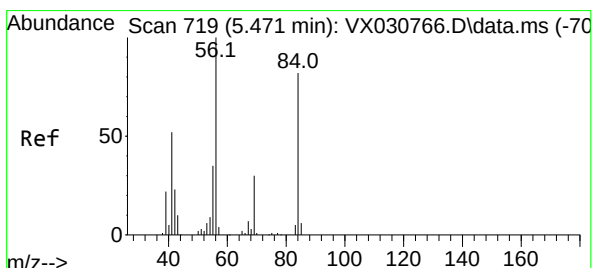
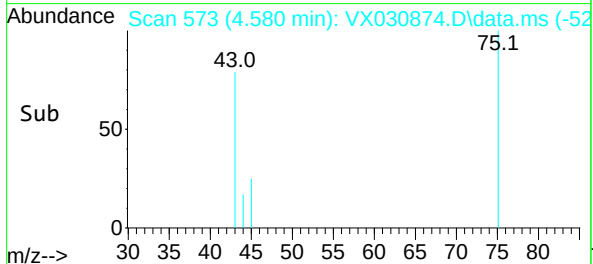
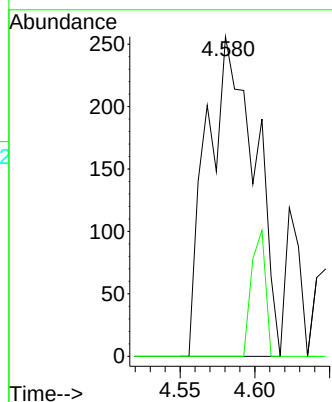
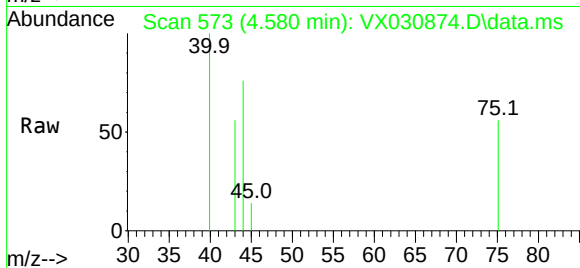
256317-4

Tgt Ion: 43 Resp: 572

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 1.515 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX030874.D

Acq: 27 Aug 2022 16:40

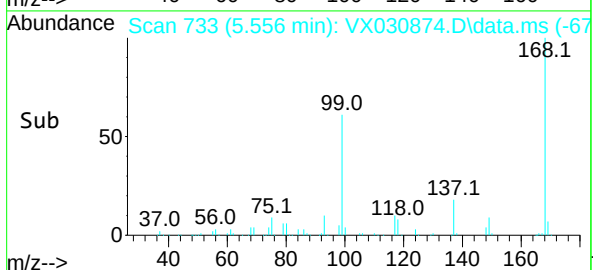
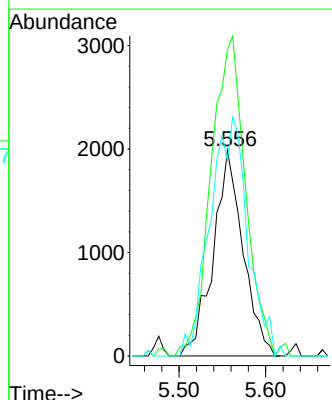
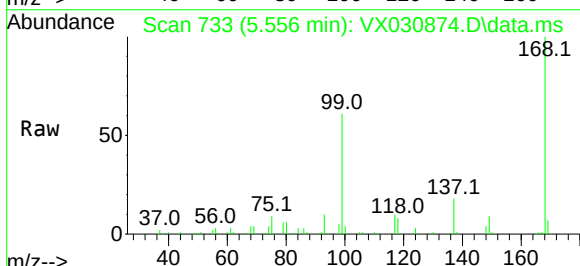
Tgt Ion: 56 Resp: 4767

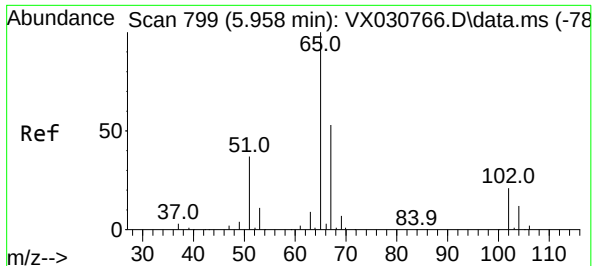
Ion Ratio Lower Upper

56 100

69 144.9 25.4 38.0#

84 95.1 68.9 103.3





#33

1,2-Dichloroethane-d4

Concen: 57.336 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030874.D

Acq: 27 Aug 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

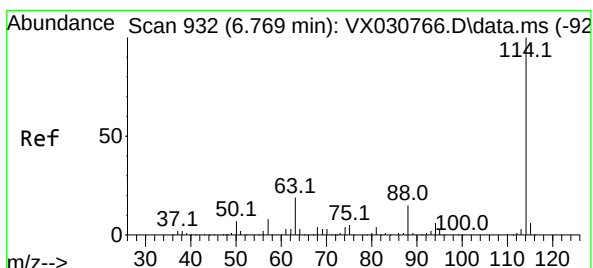
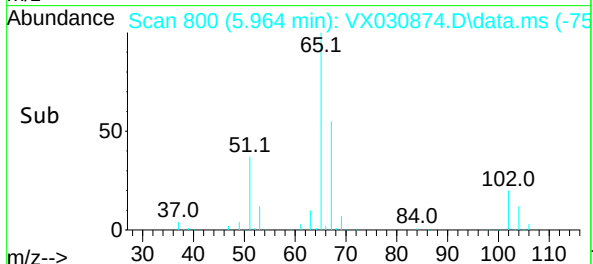
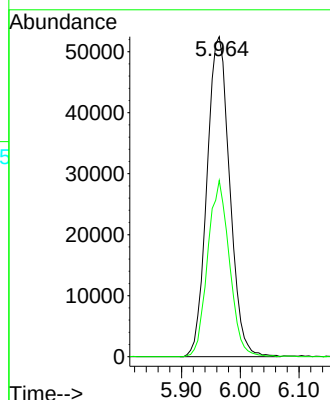
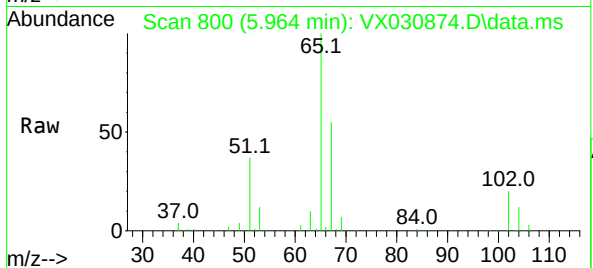
256317-4

Tgt Ion: 65 Resp: 141080

Ion Ratio Lower Upper

65 100

67 52.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX030874.D

Acq: 27 Aug 2022 16:40

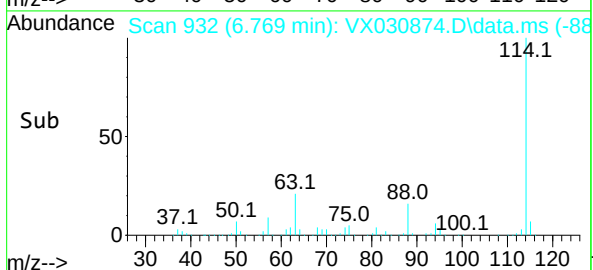
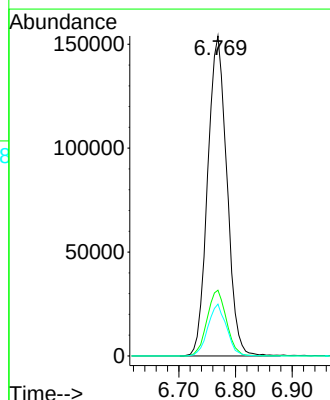
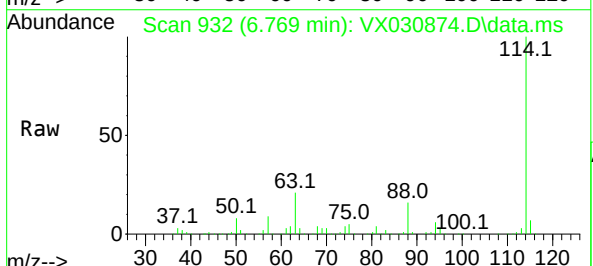
Tgt Ion: 114 Resp: 362519

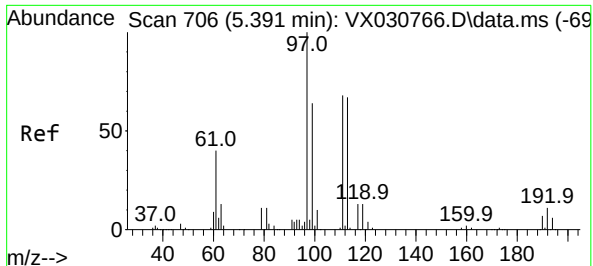
Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.4

88 16.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.644 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030874.D

Acq: 27 Aug 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

256317-4

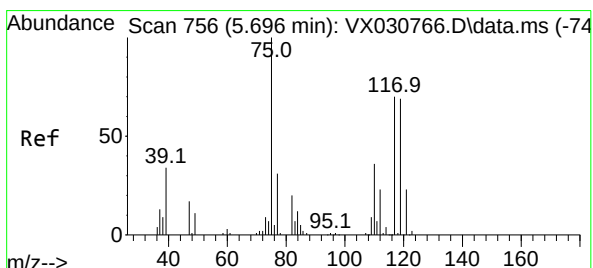
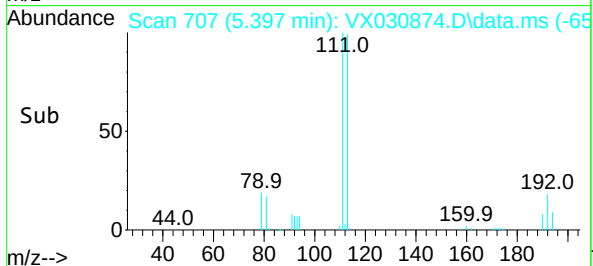
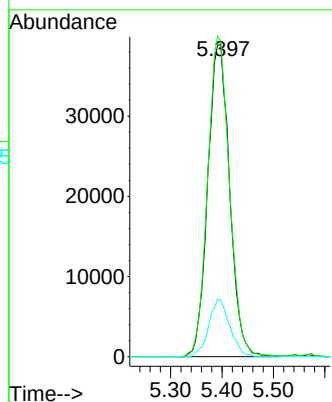
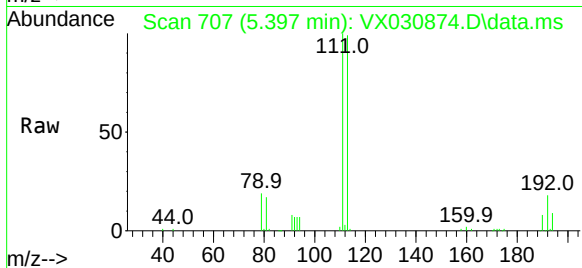
Tgt Ion:113 Resp: 115061

Ion Ratio Lower Upper

113 100

111 102.4 83.2 124.8

192 17.7 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.934 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030874.D

Acq: 27 Aug 2022 16:40

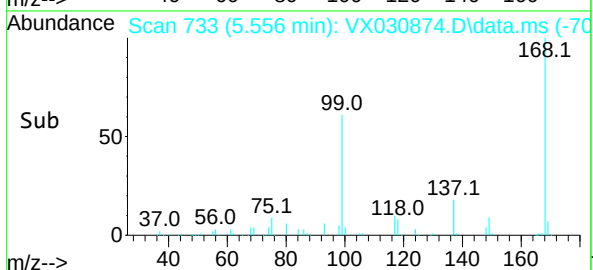
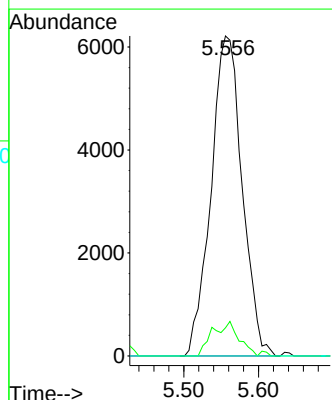
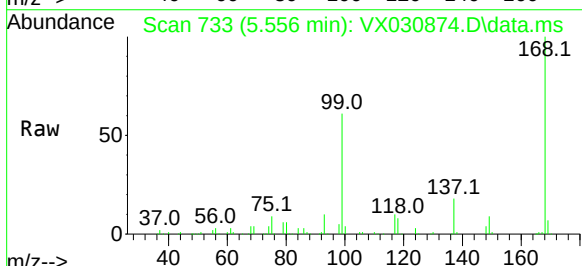
Tgt Ion: 75 Resp: 18002

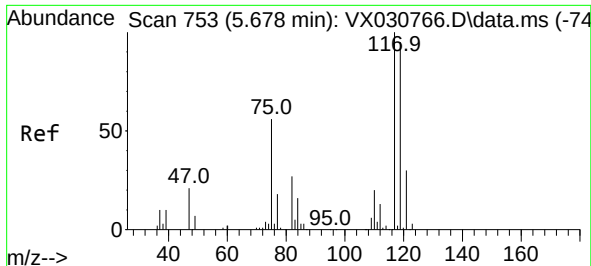
Ion Ratio Lower Upper

75 100

110 9.2 19.3 57.9#

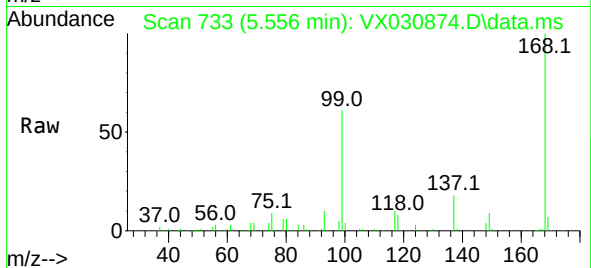
77 0.0 24.4 36.6#



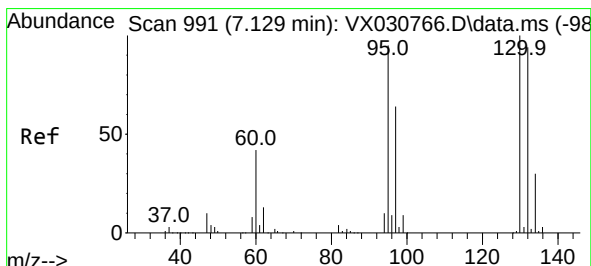
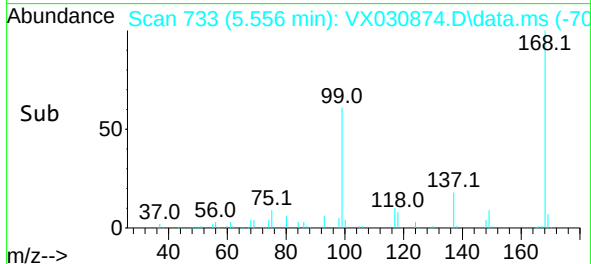
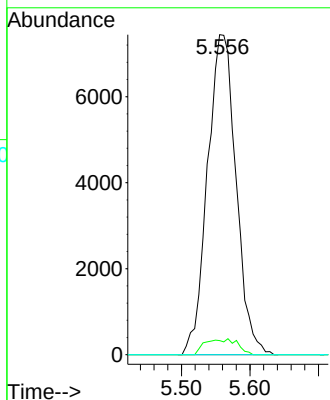


#38
Carbon Tetrachloride
Concen: 6.732 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

Instrument :
MSVOA_X
ClientSampleId :
256317-4

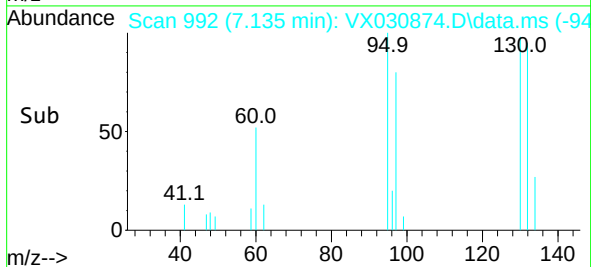
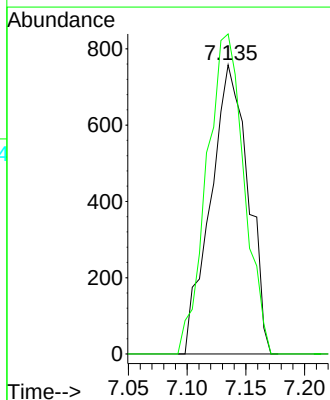
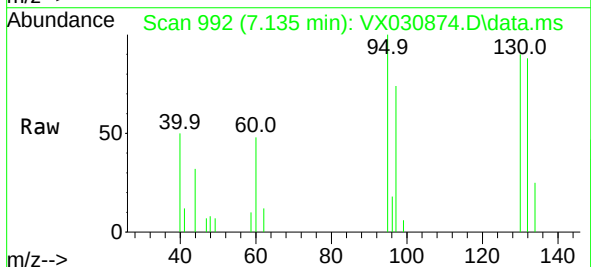


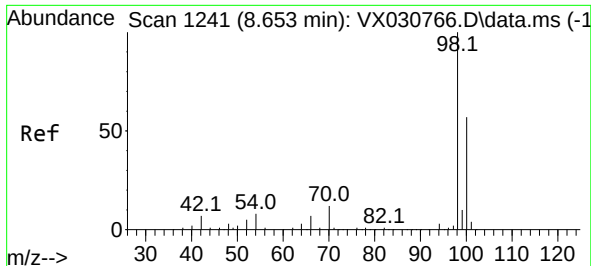
Tgt Ion:117 Resp: 21544
Ion Ratio Lower Upper
117 100
119 4.4 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.646 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

Tgt Ion:130 Resp: 1695
Ion Ratio Lower Upper
130 100
95 110.7 0.0 194.8

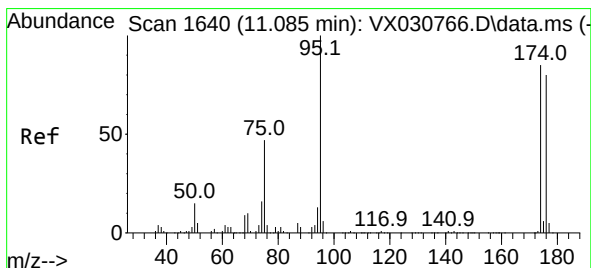
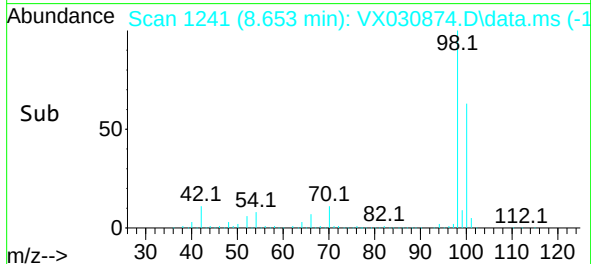
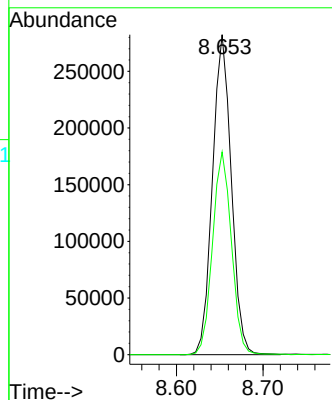
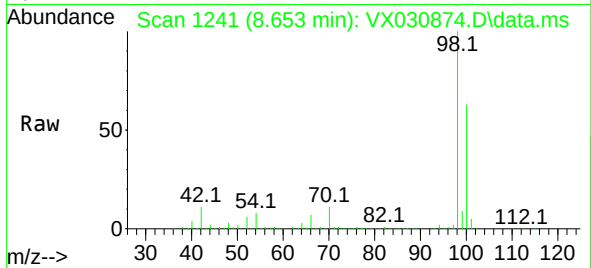




#50
Toluene-d8
Concen: 54.882 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

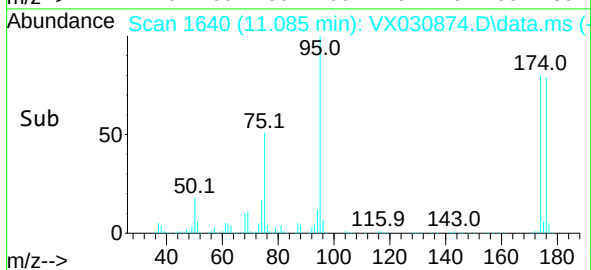
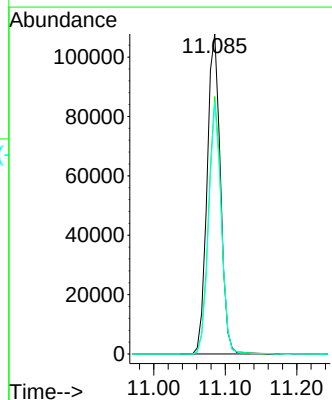
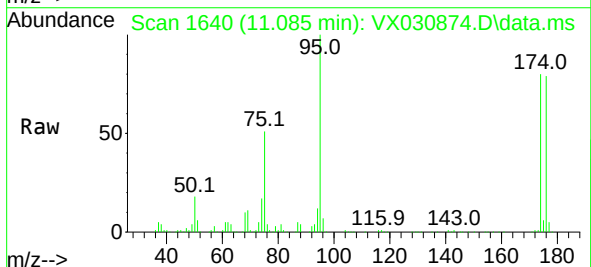
Instrument :
MSVOA_X
ClientSampleId :
256317-4

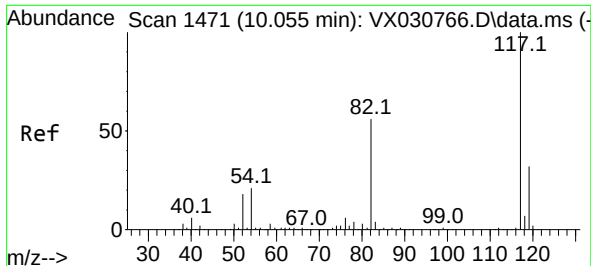
Tgt Ion: 98 Resp: 426091
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.328 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

Tgt Ion: 95 Resp: 139689
Ion Ratio Lower Upper
95 100
174 76.6 0.0 149.0
176 73.8 0.0 146.0

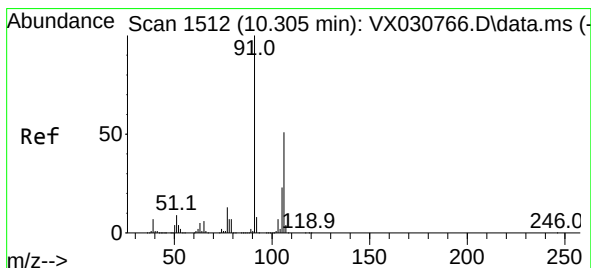
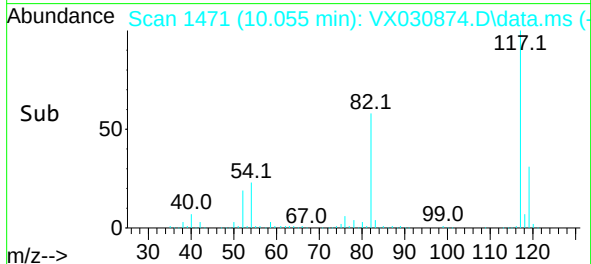
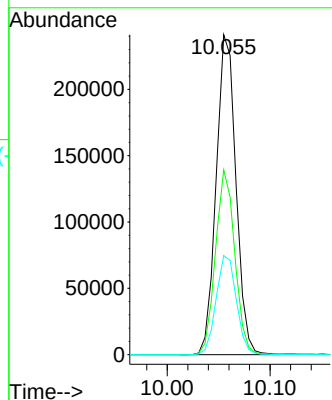
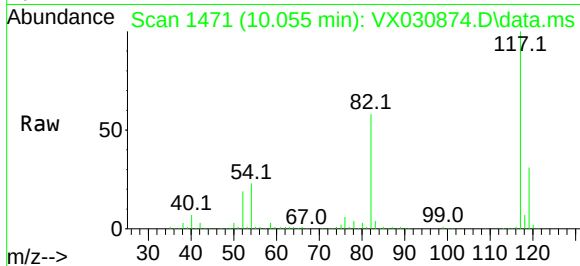




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

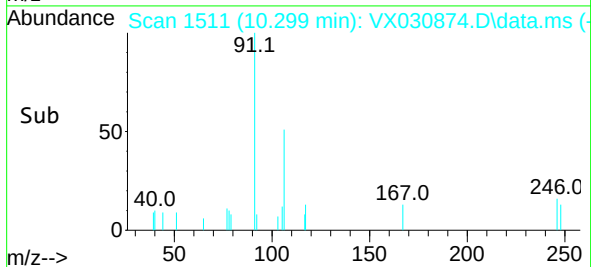
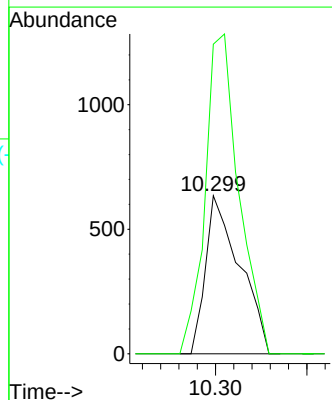
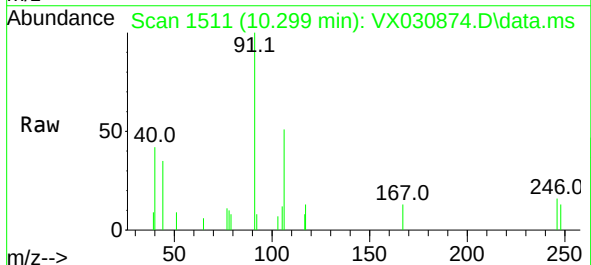
Instrument :
MSVOA_X
ClientSampleId :
256317-4

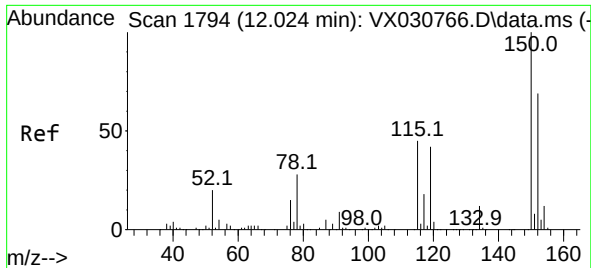
Tgt Ion:117 Resp: 321502
Ion Ratio Lower Upper
117 100
82 57.8 42.7 64.1
119 31.0 25.4 38.2



#68
m/p-Xylenes
Concen: 0.200 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX030874.D
Acq: 27 Aug 2022 16:40

Tgt Ion:106 Resp: 824
Ion Ratio Lower Upper
106 100
91 200.0 158.2 237.4

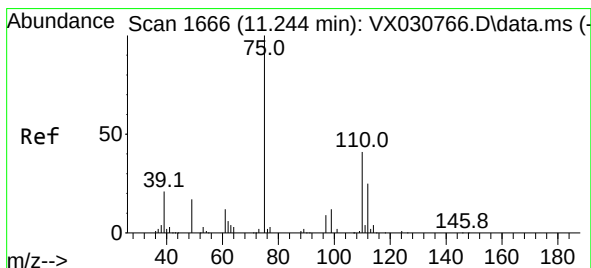
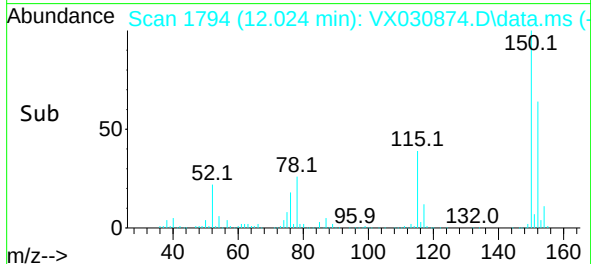
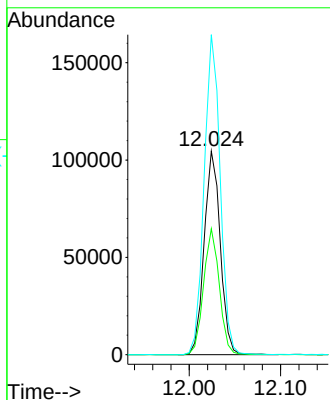
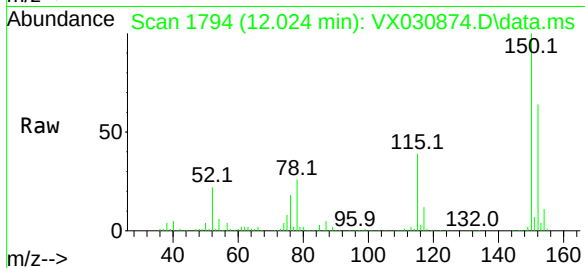




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030874.D
 Acq: 27 Aug 2022 16:40

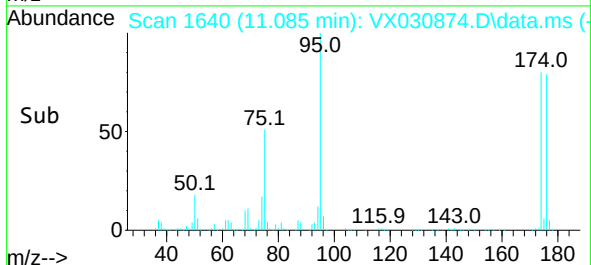
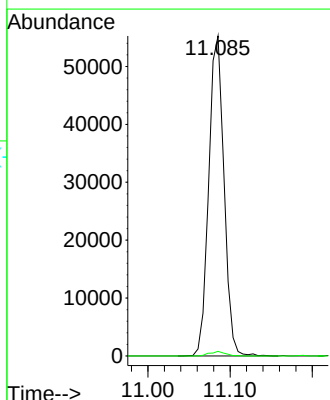
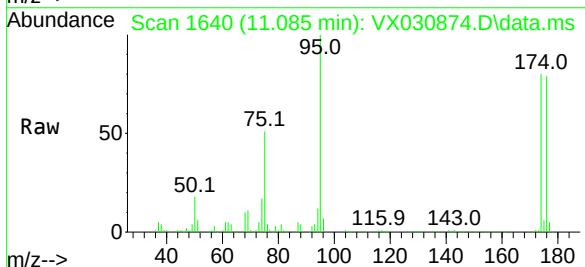
Instrument :
 MSVOA_X
 ClientSampleId :
 256317-4

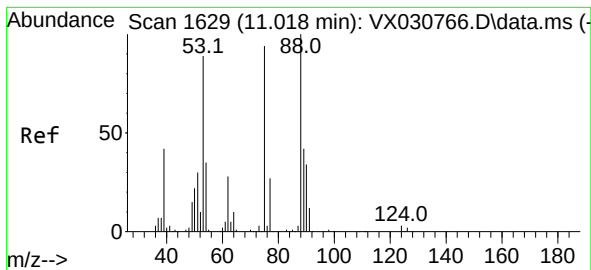
Tgt Ion:152 Resp: 127596
 Ion Ratio Lower Upper
 152 100
 115 60.5 40.5 121.5
 150 156.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 25.492 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030874.D
 Acq: 27 Aug 2022 16:40

Tgt Ion: 75 Resp: 71261
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.247 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030874.D
 Acq: 27 Aug 2022 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 256317-4

Tgt Ion: 75 Resp: 71261
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

