

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
 Data File : VX030946.D
 Acq On : 30 Aug 2022 18:09
 Operator : JC/MD
 Sample : N4371-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A4127

Quant Time: Sep 06 01:14:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

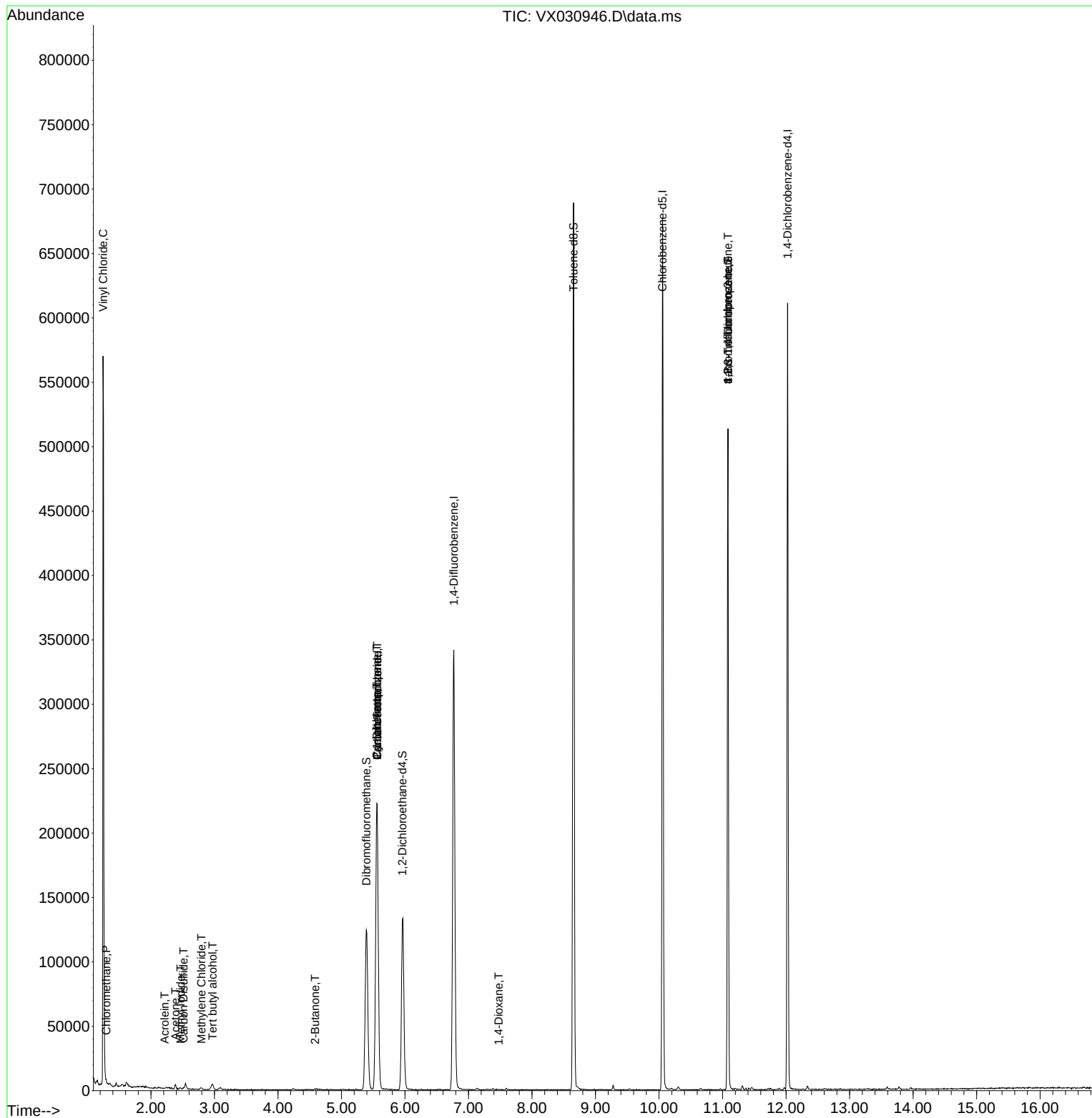
Internal Standards						
1) Pentafluorobenzene	5.562	168	217897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	367321	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	319765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	127673	40.852	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	81.700%
35) Dibromofluoromethane	5.391	113	113541	41.933	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	83.860%
50) Toluene-d8	8.653	98	423521	42.236	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	84.480%#
62) 4-Bromofluorobenzene	11.085	95	135374	37.911	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	75.820%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1045	0.450	ug/l #	82
4) Vinyl Chloride	1.246	62	5155	1.878	ug/l #	61
5) Bromomethane	1.611	94	2582	Below Cal		84
10) Methyl Iodide	2.465	142	1713	5.004	ug/l #	93
11) Tert butyl alcohol	2.971	59	5072	6.850	ug/l	97
13) Acrolein	2.215	56	19	7.323	ug/l #	1
16) Acetone	2.386	43	3440	2.439	ug/l #	79
17) Carbon Disulfide	2.514	76	1658	0.237	ug/l #	77
20) Methylene Chloride	2.794	84	814	0.254	ug/l #	75
25) 2-Butanone	4.587	43	897	0.393	ug/l #	48
31) Cyclohexane	5.556	56	4213	0.911	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	16543	4.111	ug/l #	47
38) Carbon Tetrachloride	5.562	117	22100	5.768	ug/l #	20
49) 1,4-Dioxane	7.476	88	21	0.243	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	64288	19.966	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	64288	59.360	ug/l #	13

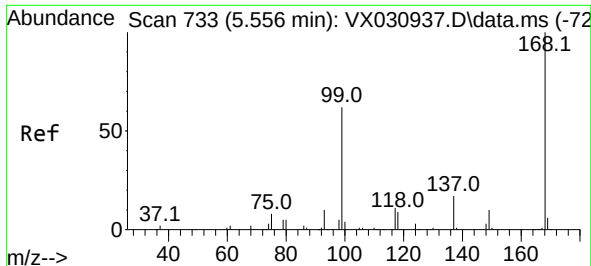
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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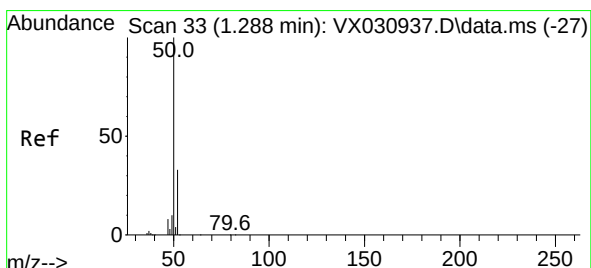
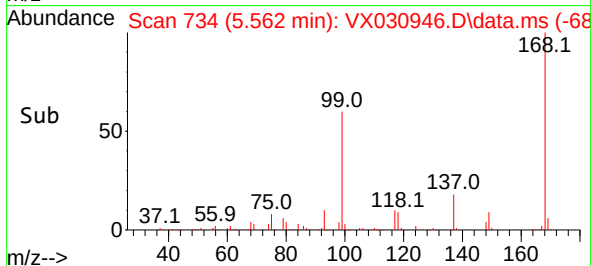
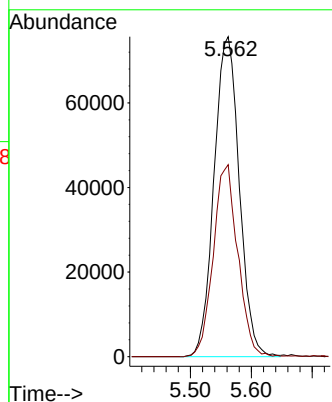
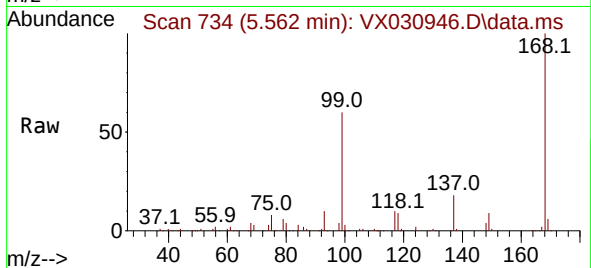




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

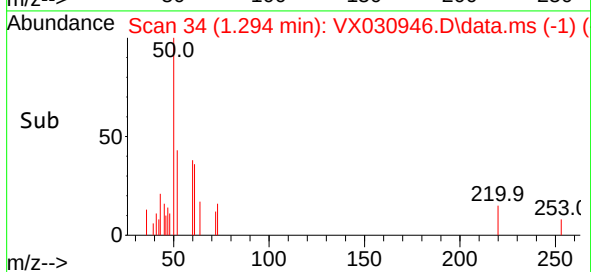
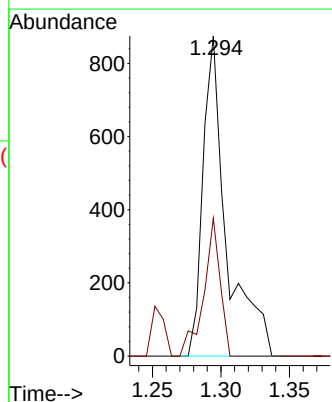
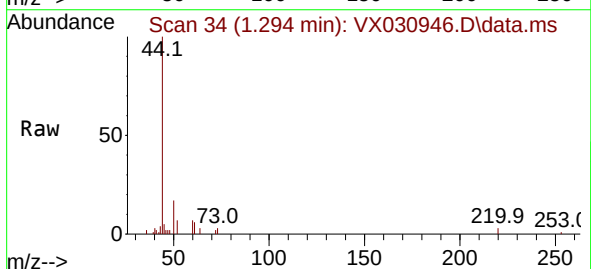
Instrument :
MSVOA_X
ClientSampleId :
A4127

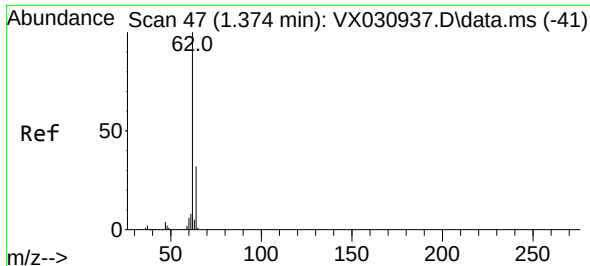
Tgt Ion:168 Resp: 217897
Ion Ratio Lower Upper
168 100
99 60.0 44.0 66.0



#3
Chloromethane
Concen: 0.450 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

Tgt Ion: 50 Resp: 1045
Ion Ratio Lower Upper
50 100
52 43.1 26.3 39.5

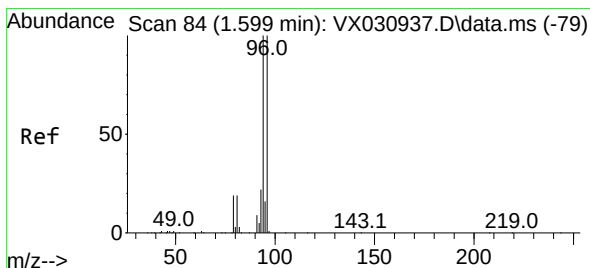
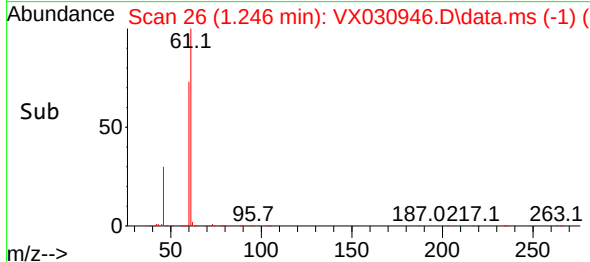
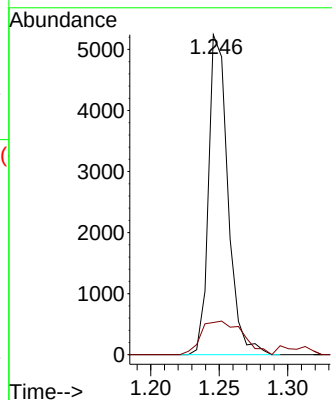
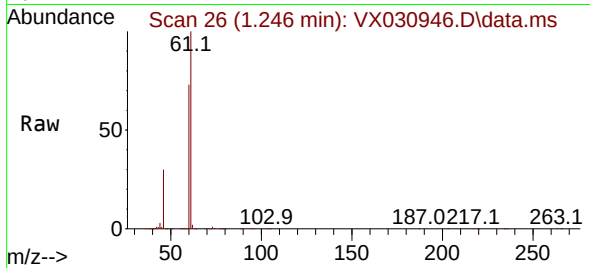




#4
 Vinyl Chloride
 Concen: 1.878 ug/l
 RT: 1.246 min Scan# 20
 Delta R.T. -0.128 min
 Lab File: VX030946.D
 Acq: 30 Aug 2022 18:09

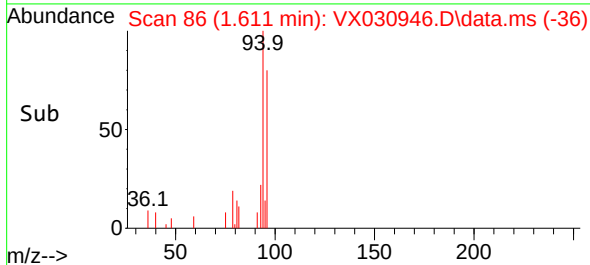
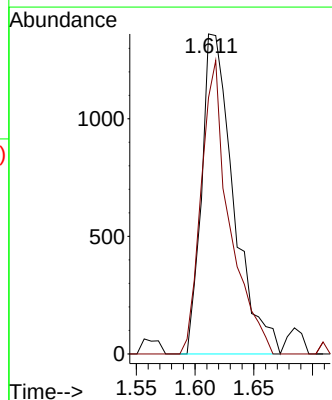
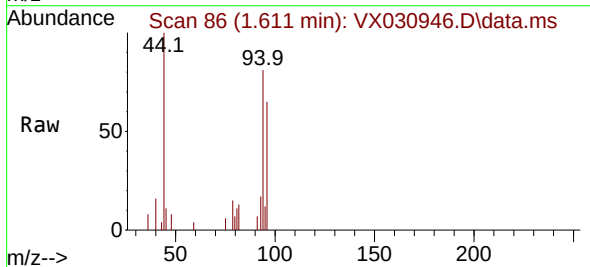
Instrument :
 MSVOA_X
 ClientSampleId :
 A4127

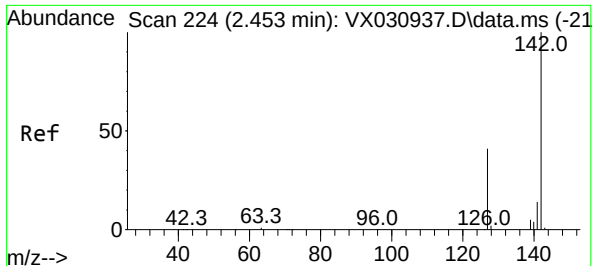
Tgt Ion: 62 Resp: 5155
 Ion Ratio Lower Upper
 62 100
 64 10.0 25.2 37.8#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.611 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX030946.D
 Acq: 30 Aug 2022 18:09

Tgt Ion: 94 Resp: 2582
 Ion Ratio Lower Upper
 94 100
 96 80.1 76.9 115.3

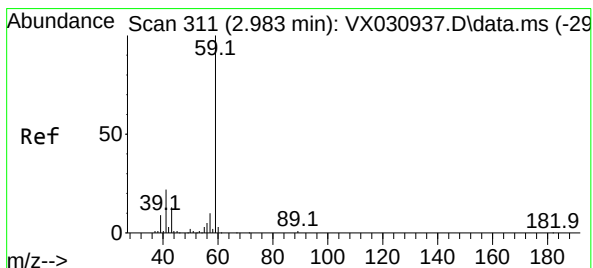
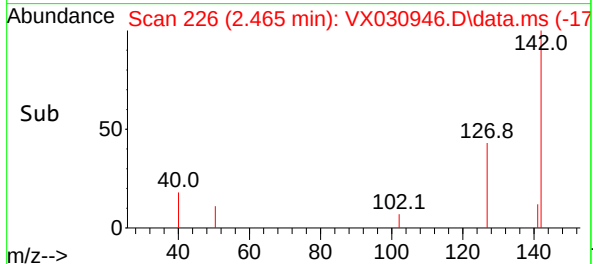
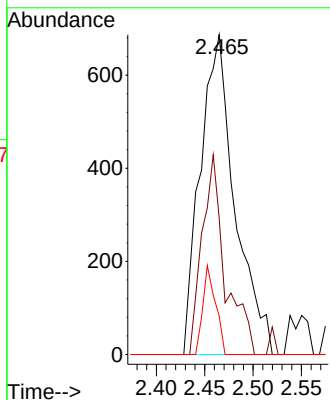
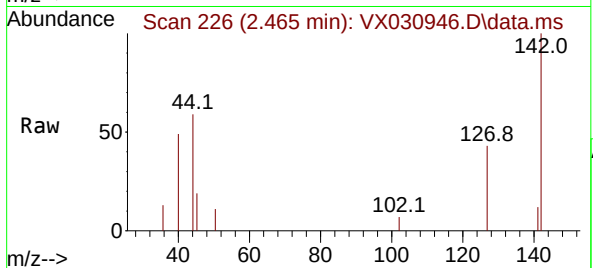




#10
Methyl Iodide
Concen: 5.004 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

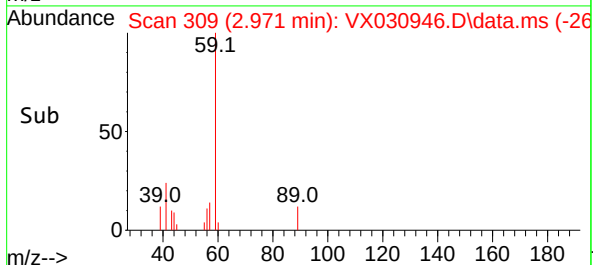
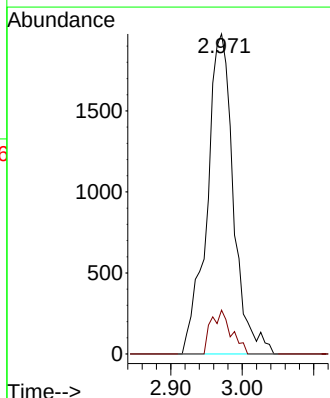
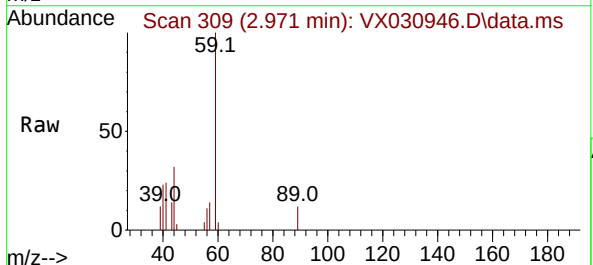
Instrument :
MSVOA_X
ClientSampleId :
A4127

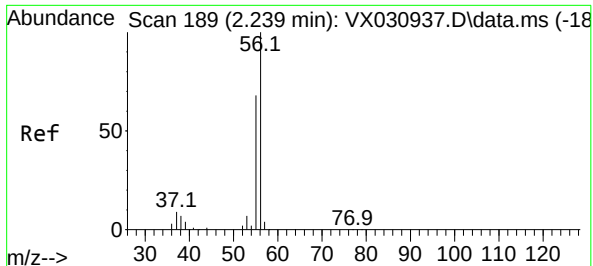
Tgt Ion:142 Resp: 1713
Ion Ratio Lower Upper
142 100
127 41.6 30.2 45.2
141 10.3 11.3 16.9#



#11
Tert butyl alcohol
Concen: 6.850 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

Tgt Ion: 59 Resp: 5072
Ion Ratio Lower Upper
59 100
57 10.5 7.4 11.2

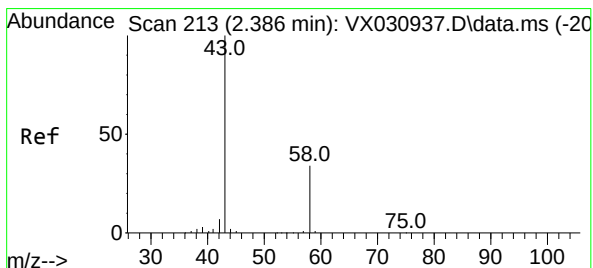
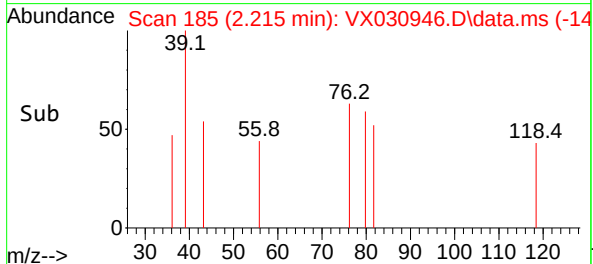
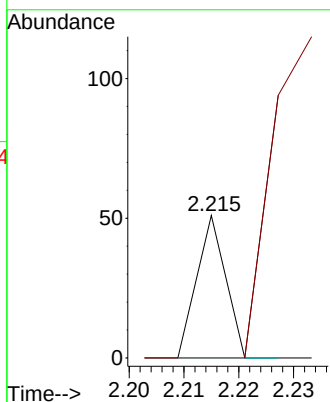
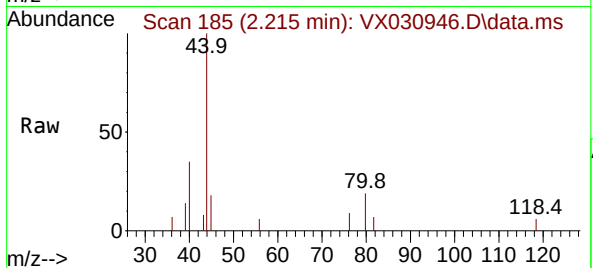




#13
Acrolein
Concen: 7.323 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.024 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

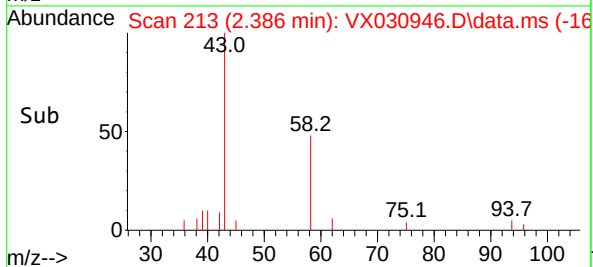
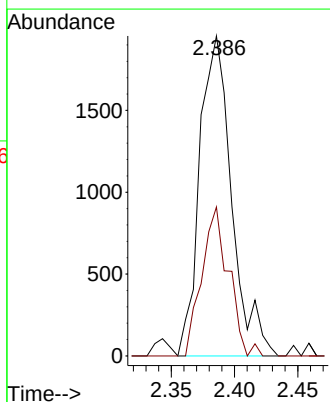
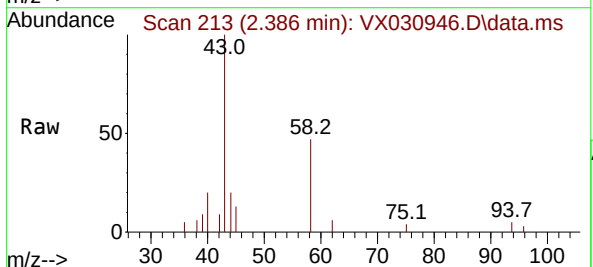
Instrument :
MSVOA_X
ClientSampleId :
A4127

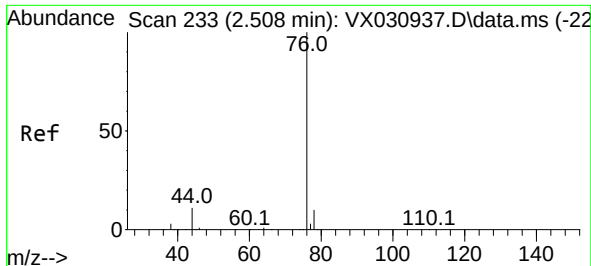
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 636.8 56.6 84.8#



#16
Acetone
Concen: 2.439 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

Tgt Ion: 43 Resp: 3440
Ion Ratio Lower Upper
43 100
58 46.5 27.7 41.5#





#17

Carbon Disulfide

Concen: 0.237 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX030946.D

Acq: 30 Aug 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

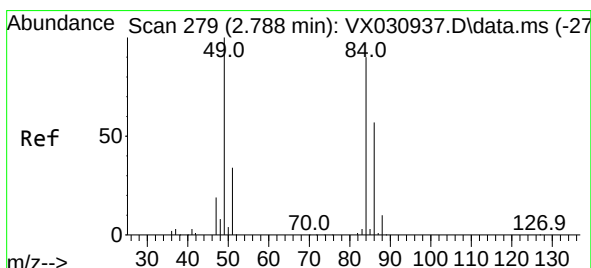
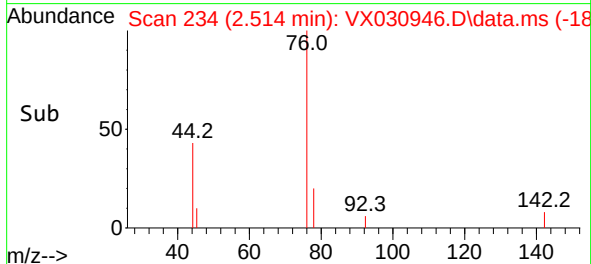
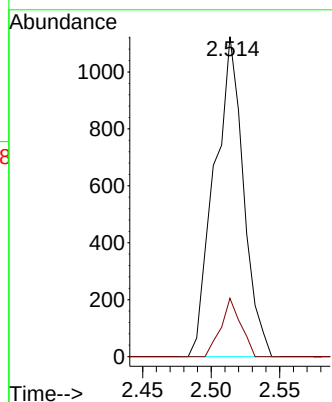
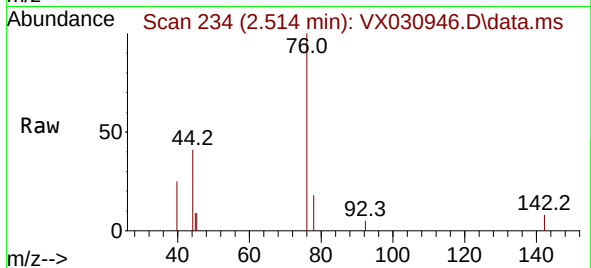
A4127

Tgt Ion: 76 Resp: 1658

Ion Ratio Lower Upper

76 100

78 18.2 7.8 11.6#



#20

Methylene Chloride

Concen: 0.254 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX030946.D

Acq: 30 Aug 2022 18:09

Tgt Ion: 84 Resp: 814

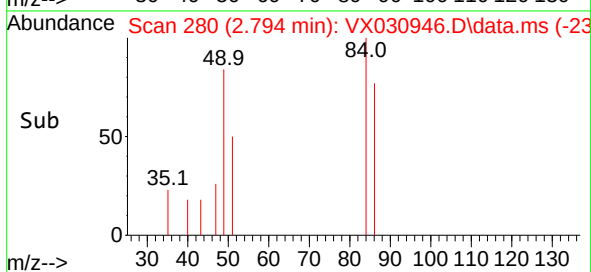
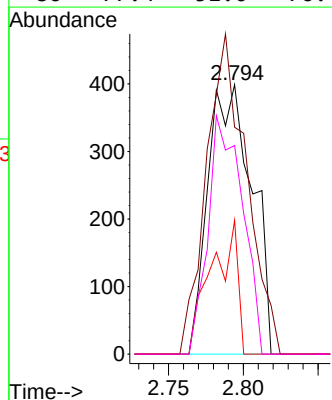
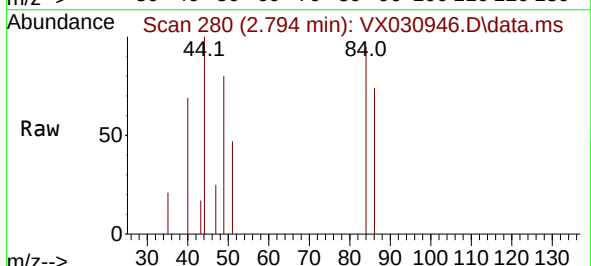
Ion Ratio Lower Upper

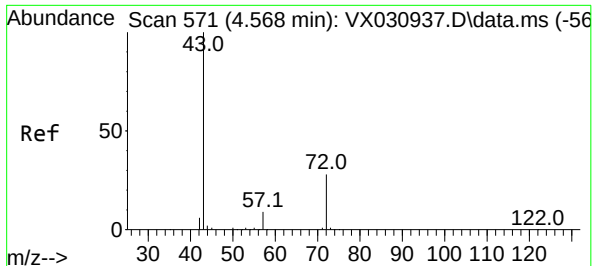
84 100

49 84.2 93.8 140.6#

51 49.6 29.4 44.0#

86 77.4 51.0 76.4#





#25

2-Butanone

Concen: 0.393 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.019 min

Lab File: VX030946.D

Acq: 30 Aug 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

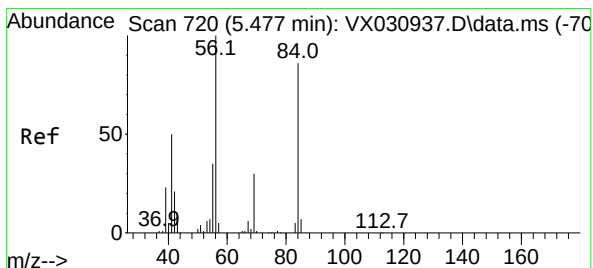
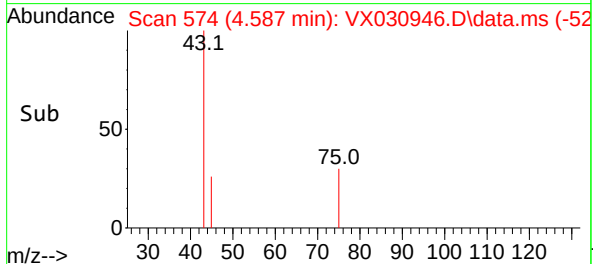
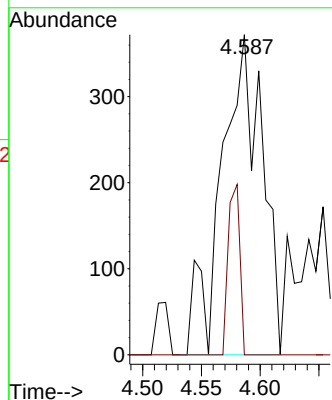
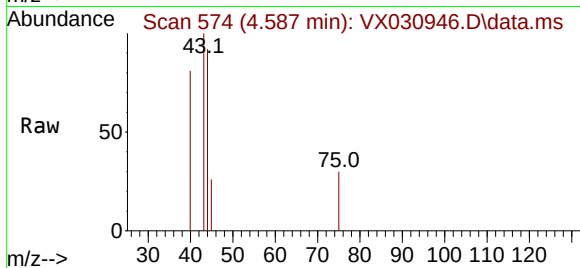
A4127

Tgt Ion: 43 Resp: 897

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 0.911 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX030946.D

Acq: 30 Aug 2022 18:09

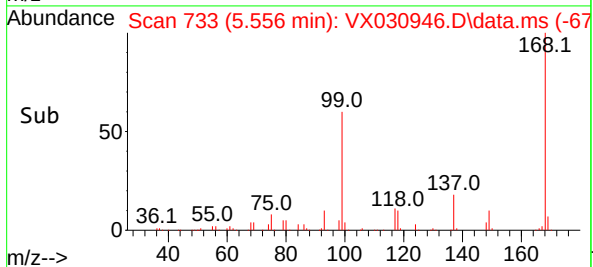
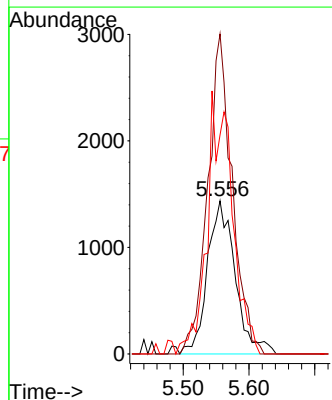
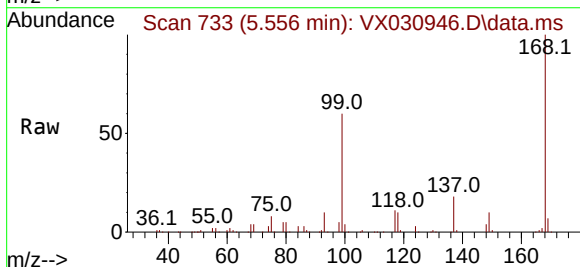
Tgt Ion: 56 Resp: 4213

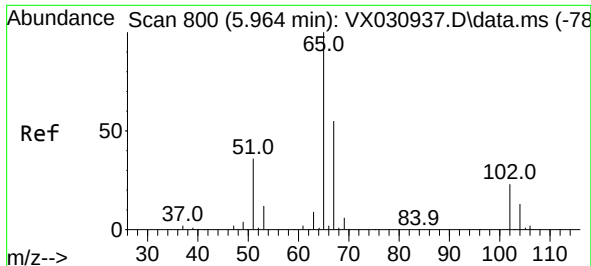
Ion Ratio Lower Upper

56 100

69 208.9 25.4 38.0#

84 143.0 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 40.852 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

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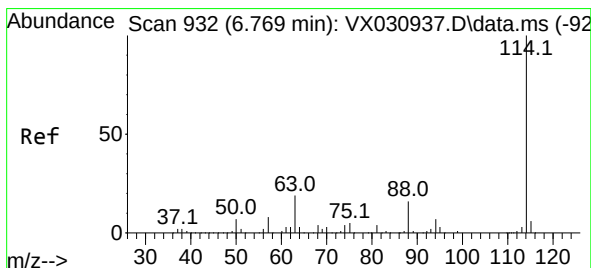
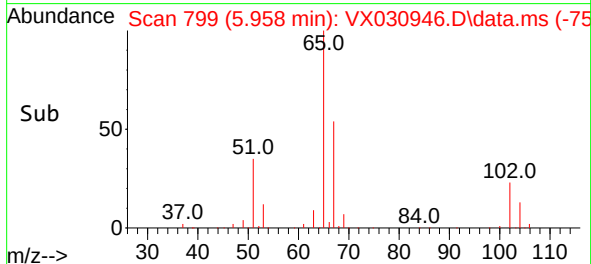
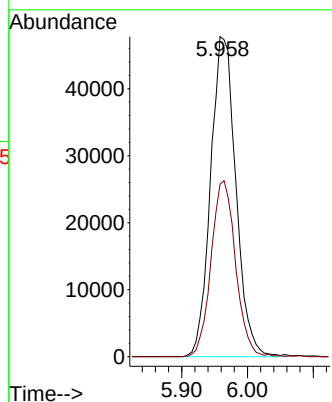
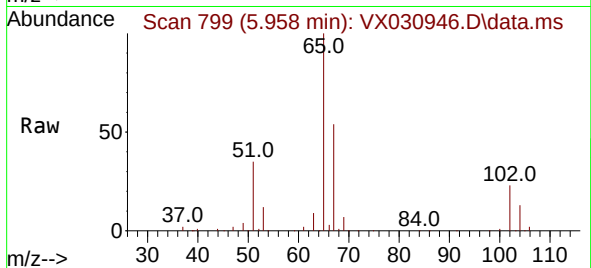
A4127

Tgt Ion: 65 Resp: 127673

Ion Ratio Lower Upper

65 100

67 53.3 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: VX030946.D

Acq: 30 Aug 2022 18:09

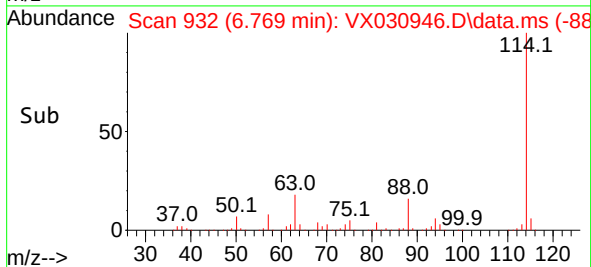
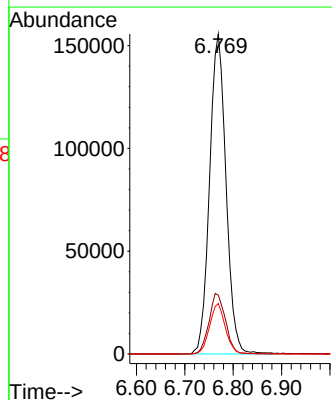
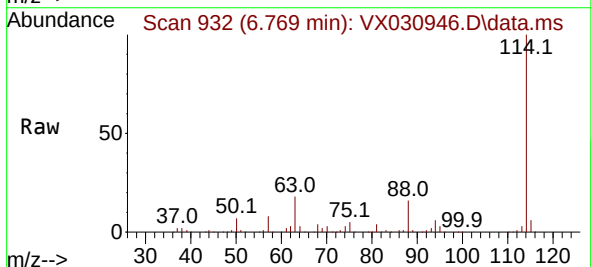
Tgt Ion: 114 Resp: 367321

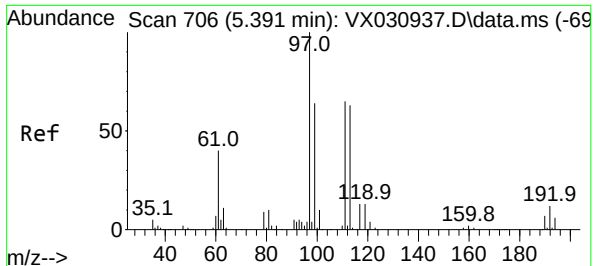
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

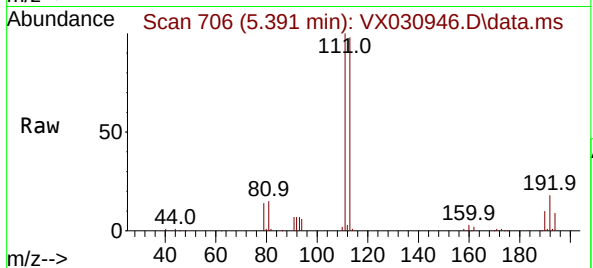
88 15.7 0.0 31.8



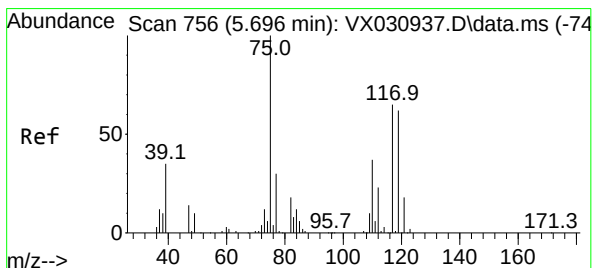
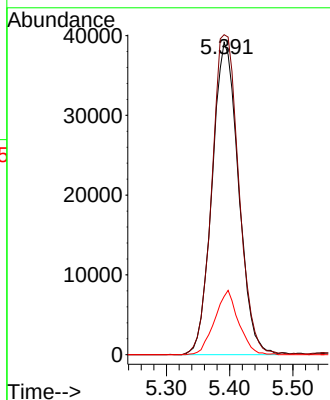
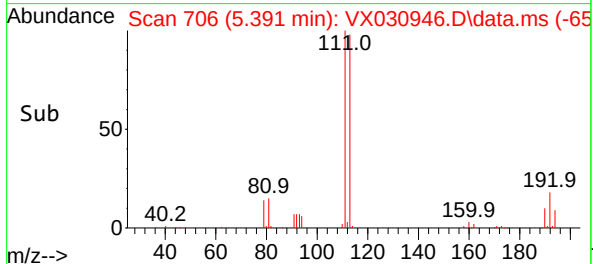


#35
Dibromofluoromethane
Concen: 41.933 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

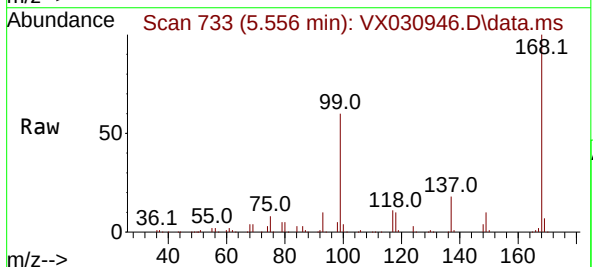
Instrument :
MSVOA_X
ClientSampleId :
A4127



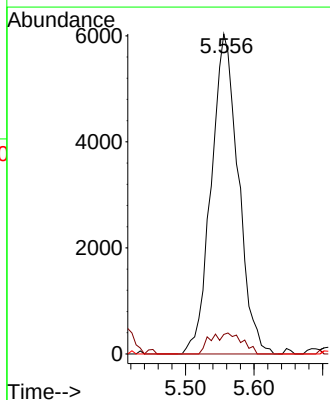
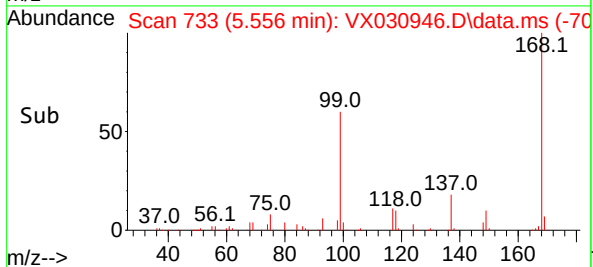
Tgt Ion:113 Resp: 113541
Ion Ratio Lower Upper
113 100
111 104.2 83.2 124.8
192 18.6 14.8 22.2

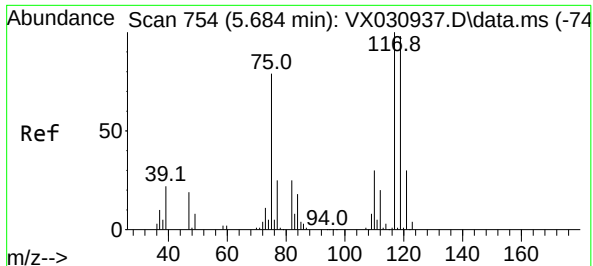


#36
1,1-Dichloropropene
Concen: 4.111 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09



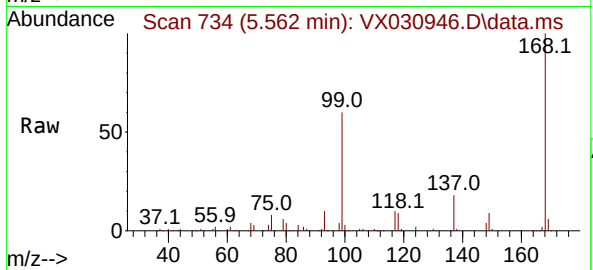
Tgt Ion: 75 Resp: 16543
Ion Ratio Lower Upper
75 100
110 7.7 19.3 57.9#
77 0.0 24.4 36.6#



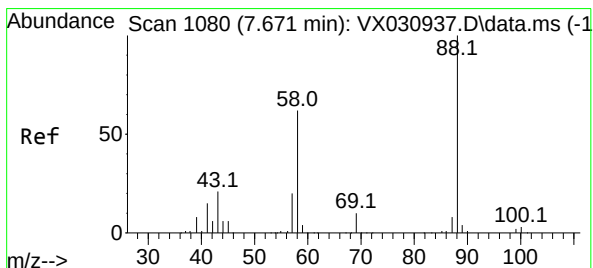
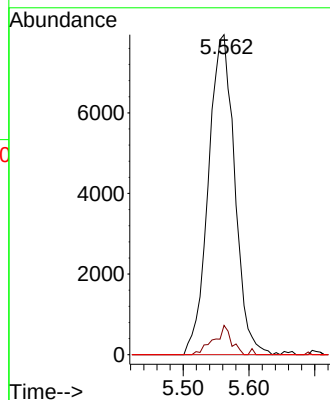
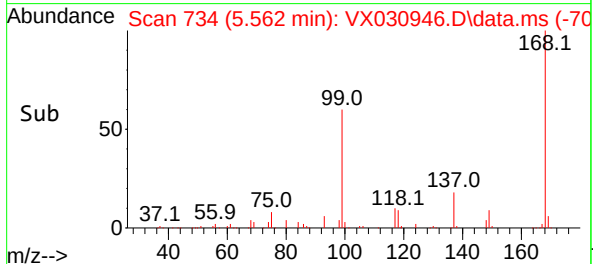


#38
Carbon Tetrachloride
Concen: 5.768 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

Instrument :
MSVOA_X
ClientSampleId :
A4127

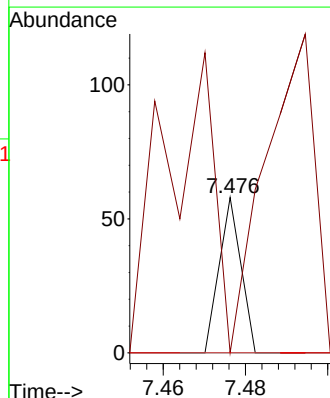
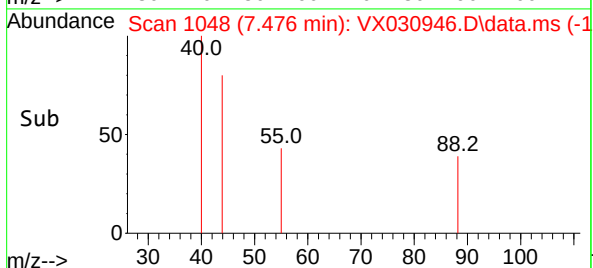
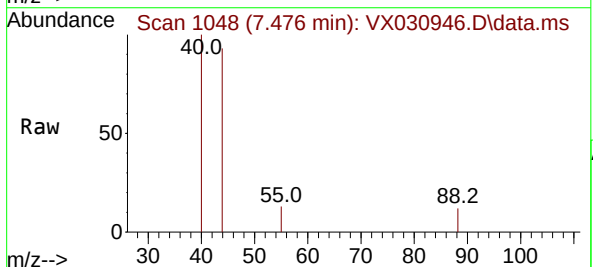


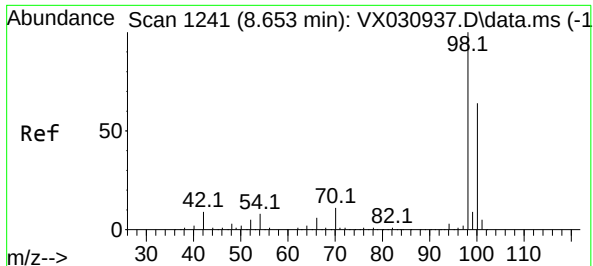
Tgt Ion:117 Resp: 22100
Ion Ratio Lower Upper
117 100
119 9.2 74.1 111.1#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 0.243 ug/l
RT: 7.476 min Scan# 1048
Delta R.T. -0.201 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 447.6 23.8 35.8#
58 0.0 53.8 80.6#

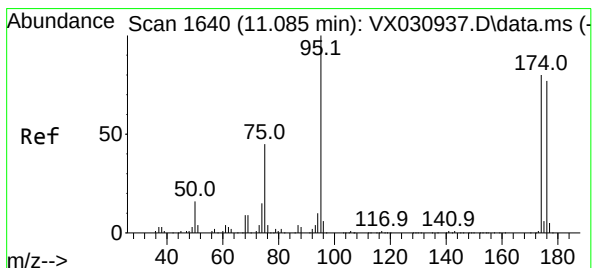
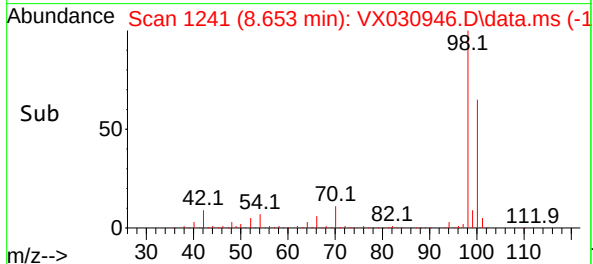
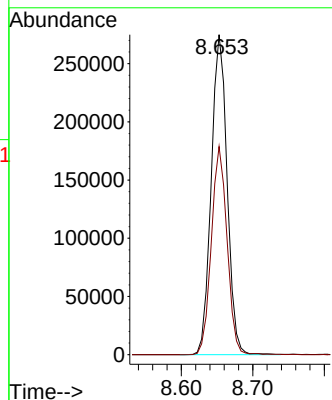
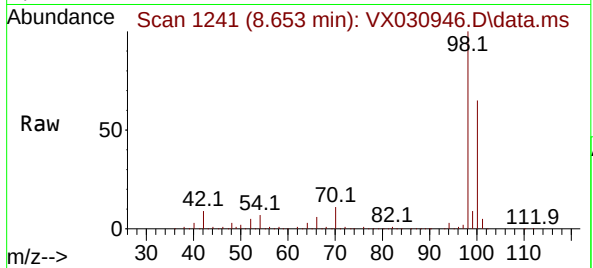




#50
Toluene-d8
Concen: 42.236 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

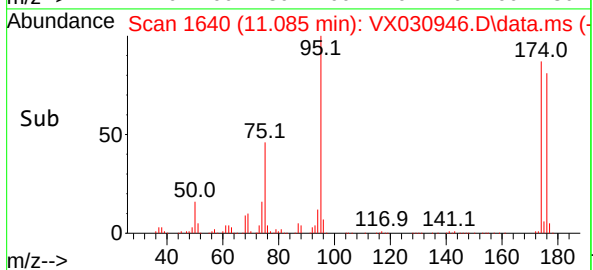
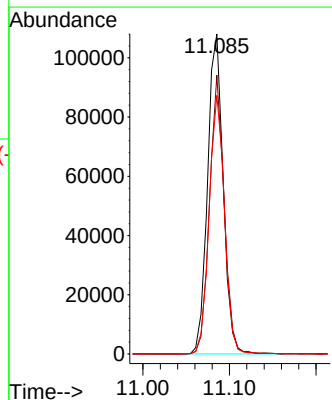
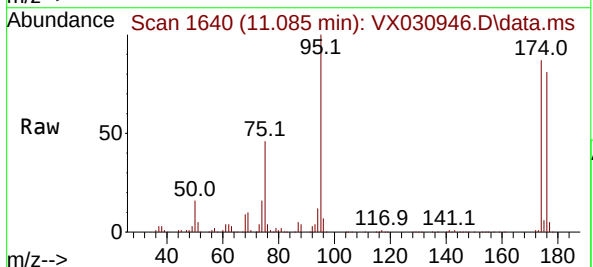
Instrument :
MSVOA_X
ClientSampleId :
A4127

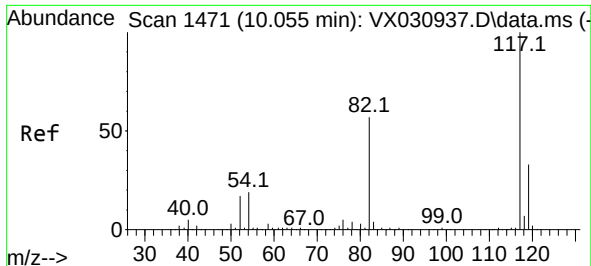
Tgt Ion: 98 Resp: 423521
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 37.911 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

Tgt Ion: 95 Resp: 135374
Ion Ratio Lower Upper
95 100
174 81.6 0.0 149.0
176 79.4 0.0 146.0

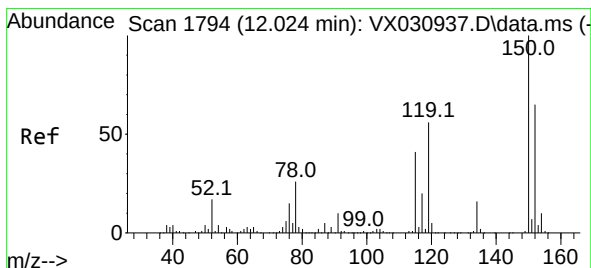
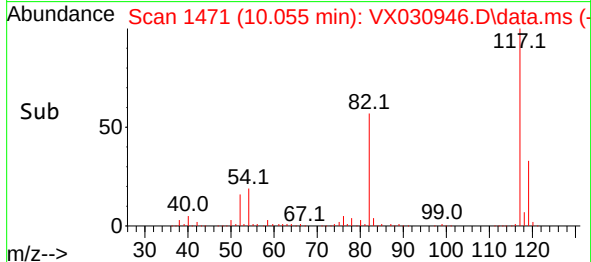
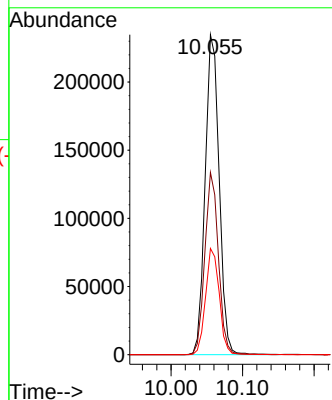
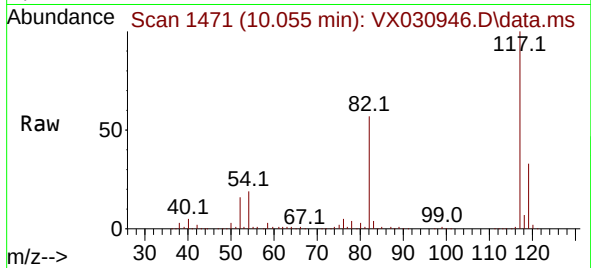




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

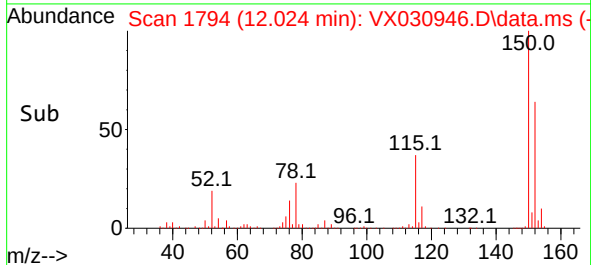
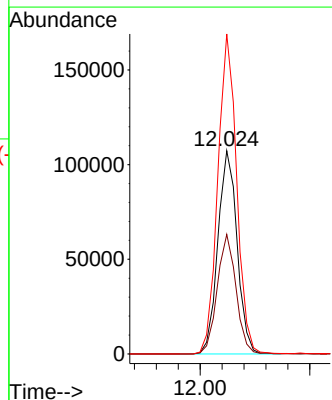
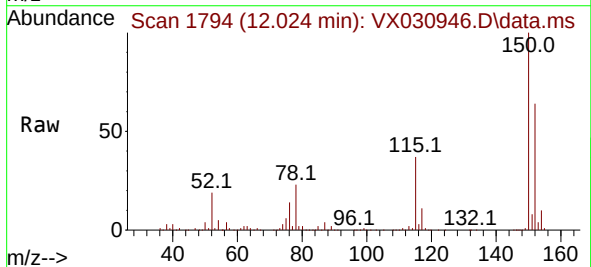
Instrument :
MSVOA_X
ClientSampleId :
A4127

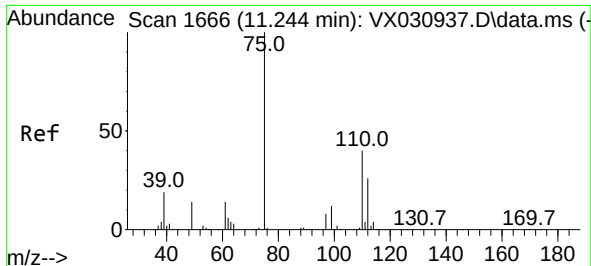
Tgt Ion:117 Resp: 319765
Ion Ratio Lower Upper
117 100
82 57.0 42.7 64.1
119 33.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

Tgt Ion:152 Resp: 130792
Ion Ratio Lower Upper
152 100
115 57.6 40.5 121.5
150 154.6 0.0 347.0

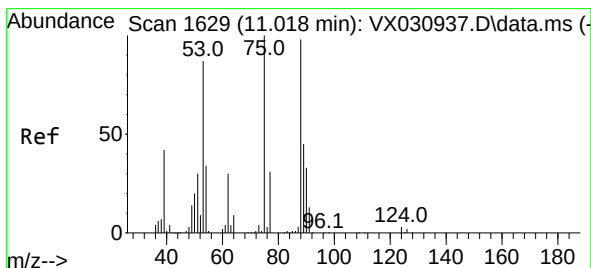
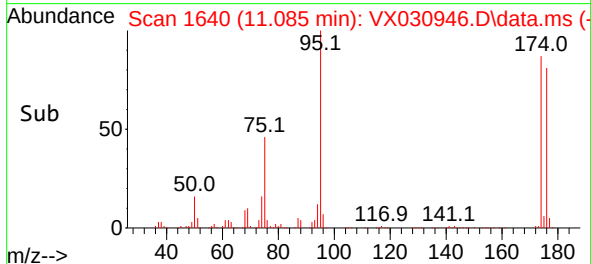
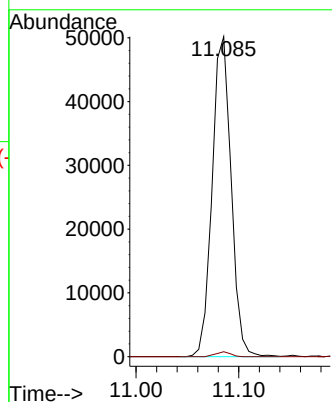
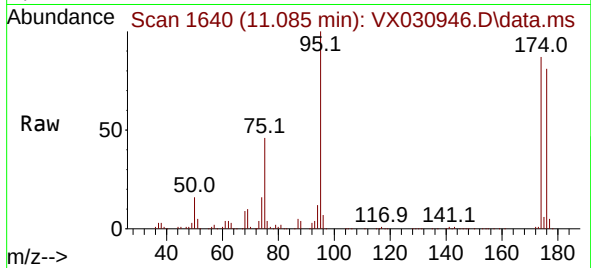




#76
1,2,3-Trichloropropane
Concen: 19.966 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

Instrument :
MSVOA_X
ClientSampleId :
A4127

Tgt Ion: 75 Resp: 64288
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.360 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030946.D
Acq: 30 Aug 2022 18:09

Tgt Ion: 75 Resp: 64288
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.8 52.2#

