

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029142.D
 Acq On : 02 Jun 2022 17:52
 Operator : JC/MD
 Sample : N3022-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 03 04:33:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

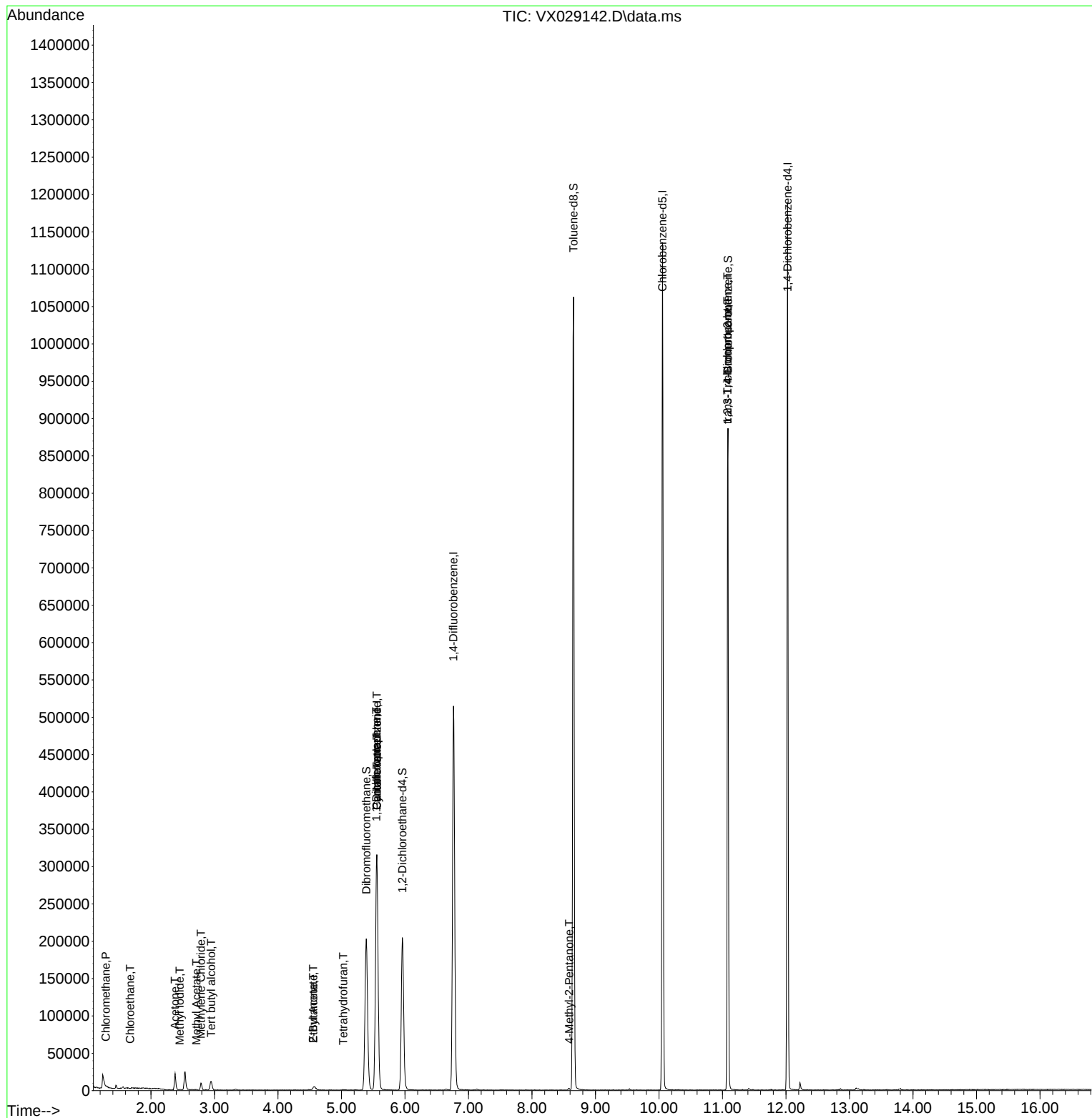
Internal Standards						
1) Pentafluorobenzene	5.556	168	294237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	546541	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	526095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	236478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	198294	59.764	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	119.520%
35) Dibromofluoromethane	5.391	113	180216	49.643	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.280%
50) Toluene-d8	8.653	98	645858	48.644	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.280%
62) 4-Bromofluorobenzene	11.085	95	253048	49.304	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	552	0.206	ug/l #	87
5) Bromomethane	1.612	94	782	Below Cal		90
6) Chloroethane	1.673	64	277	1.509	ug/l #	43
10) Methyl Iodide	2.453	142	565	4.383	ug/l #	68
11) Tert butyl alcohol	2.947	59	7105	9.244	ug/l #	74
16) Acetone	2.380	43	22159	16.960	ug/l	98
18) Methyl Acetate	2.715	43	932	0.276	ug/l #	89
20) Methylene Chloride	2.788	84	4153	1.363	ug/l	95
25) 2-Butanone	4.556	43	4011	1.903	ug/l #	80
29) Tetrahydrofuran	5.026	42	642	0.475	ug/l #	59
31) Cyclohexane	5.556	56	5472	1.269	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	23518	5.035	ug/l #	49
37) Ethyl Acetate	4.556	43	4011	0.886	ug/l #	71
38) Carbon Tetrachloride	5.556	117	30507	5.715	ug/l #	17
44) Trichloroethene	7.129	130	571	Below Cal		67
51) 4-Methyl-2-Pentanone	8.586	43	1519	0.322	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	122036	25.457	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	122036	74.686	ug/l #	15

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

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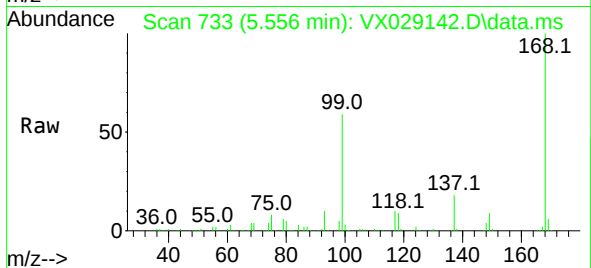
Quant Time: Jun 03 04:33:14 2022
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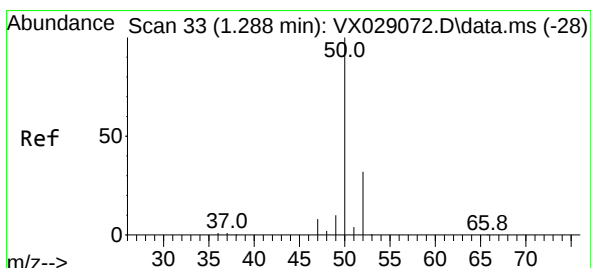
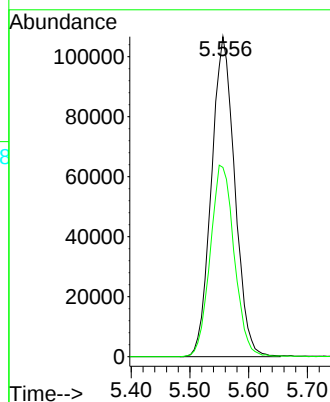
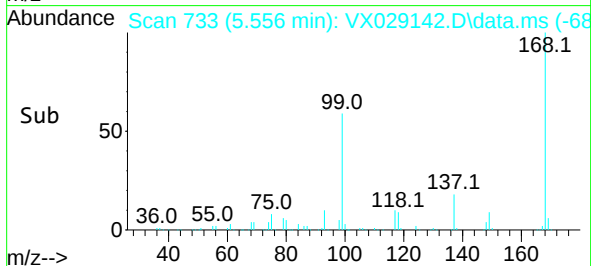


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029142.D
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MSVOA_X
ClientSampleId :

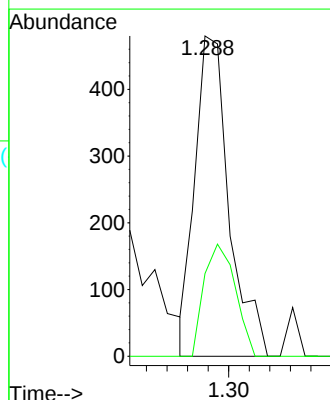
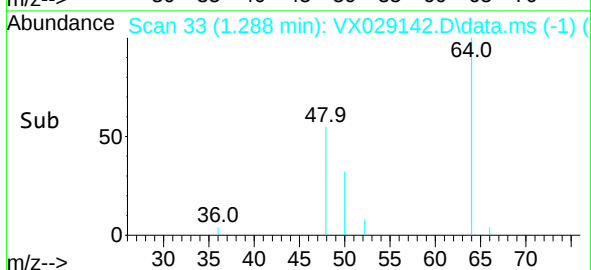
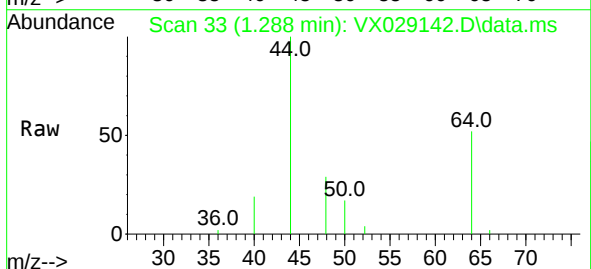


Tgt Ion:168 Resp: 294237
Ion Ratio Lower Upper
168 100
99 59.2 41.7 62.5



#3
Chloromethane
Concen: 0.206 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

Tgt Ion: 50 Resp: 552
Ion Ratio Lower Upper
50 100
52 25.8 26.4 39.6#

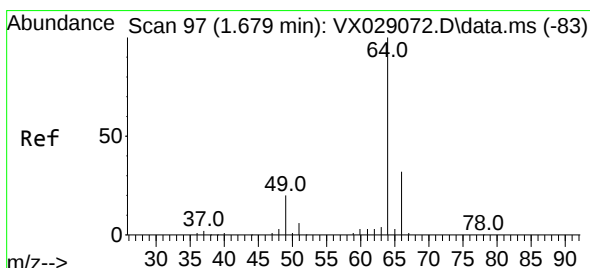
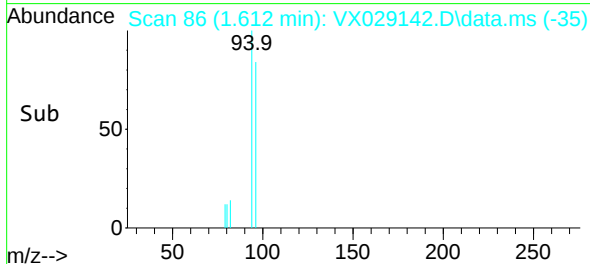
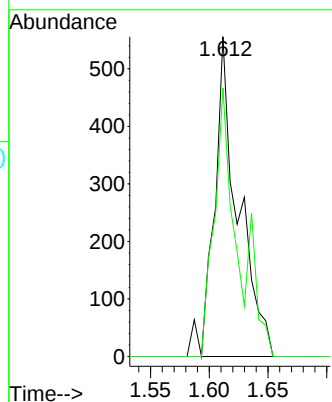
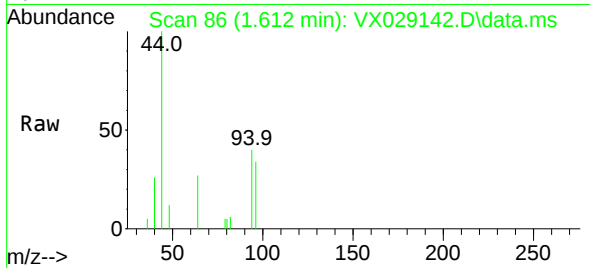




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

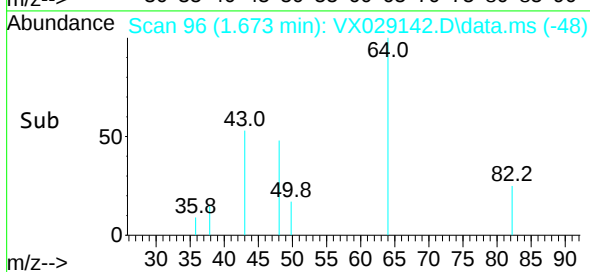
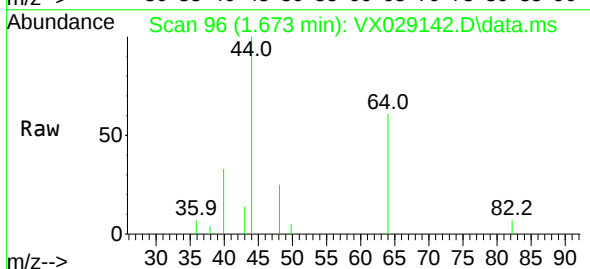
Instrument :
MSVOA_X
ClientSampleId :

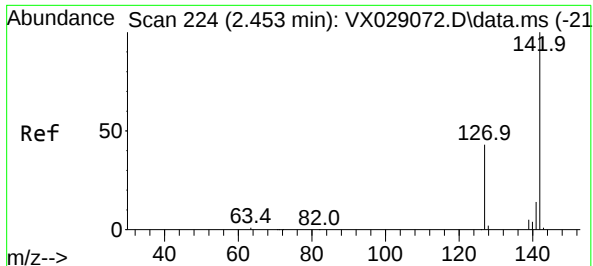
Tgt Ion: 94 Resp: 782
Ion Ratio Lower Upper
94 100
96 84.0 75.3 112.9



#6
Chloroethane
Concen: 1.509 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

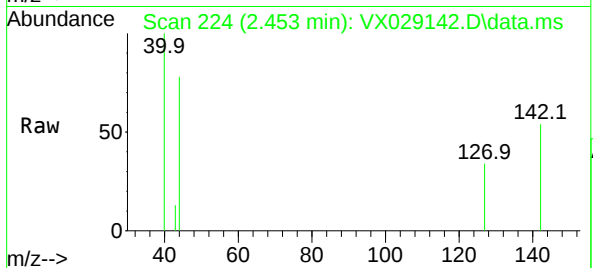
Tgt Ion: 64 Resp: 277
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



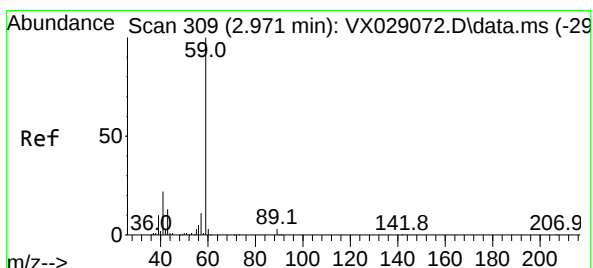
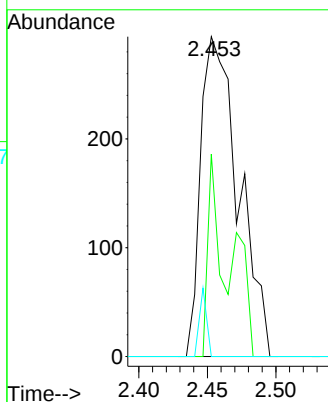
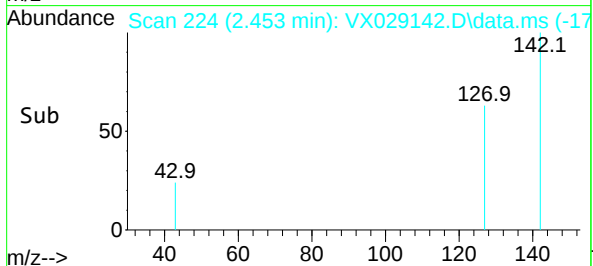


#10
Methyl Iodide
Concen: 4.383 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

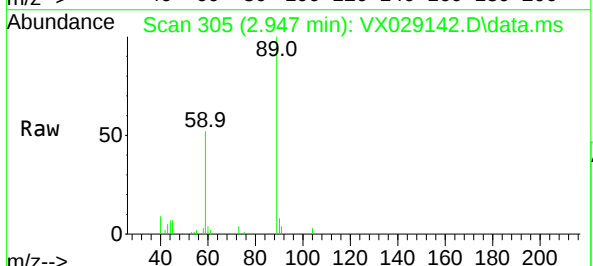
Instrument :
MSVOA_X
ClientSampleId :



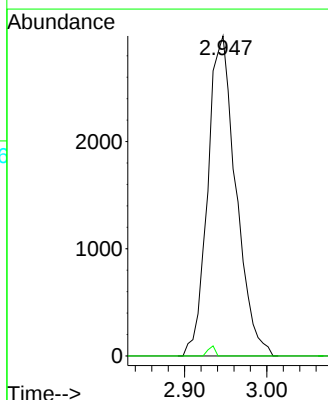
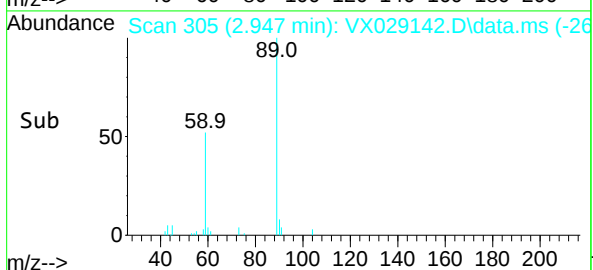
Tgt Ion:142 Resp: 565
Ion Ratio Lower Upper
142 100
127 20.5 33.9 50.9#
141 4.1 11.4 17.2#

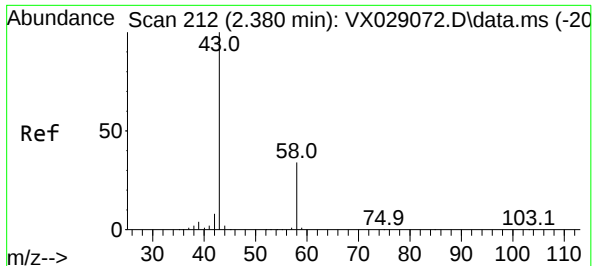


#11
Tert butyl alcohol
Concen: 9.244 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52



Tgt Ion: 59 Resp: 7105
Ion Ratio Lower Upper
59 100
57 0.8 8.3 12.5#

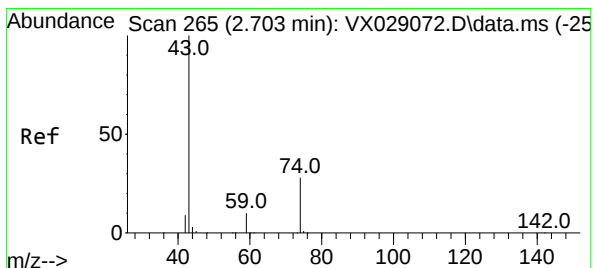
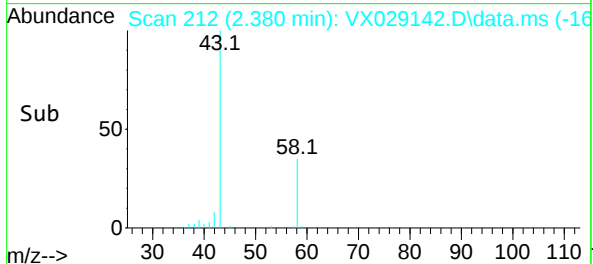
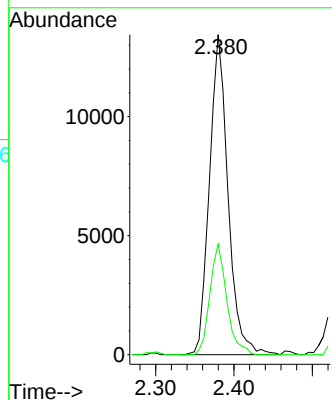
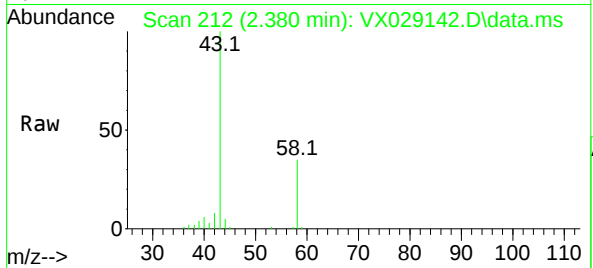




#16
Acetone
Concen: 16.960 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

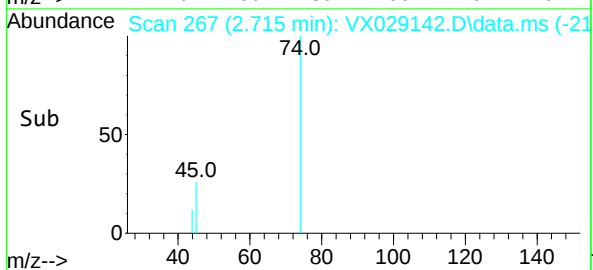
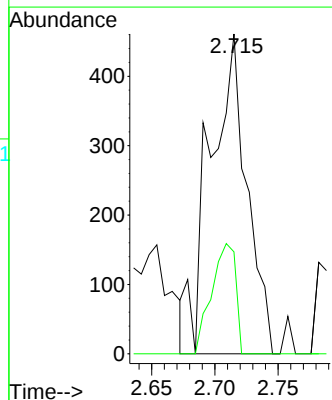
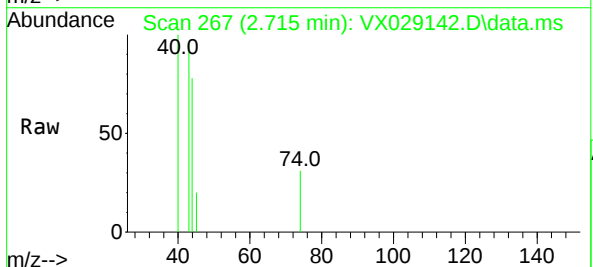
Instrument :
MSVOA_X
ClientSampleId :

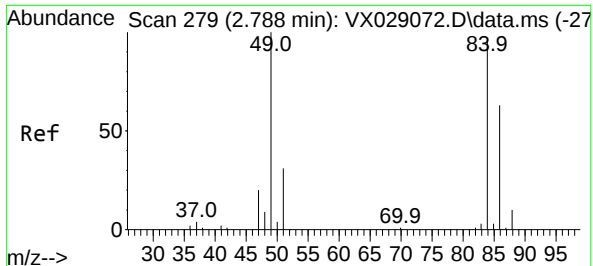
Tgt Ion: 43 Resp: 22159
Ion Ratio Lower Upper
43 100
58 34.6 28.8 43.2



#18
Methyl Acetate
Concen: 0.276 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

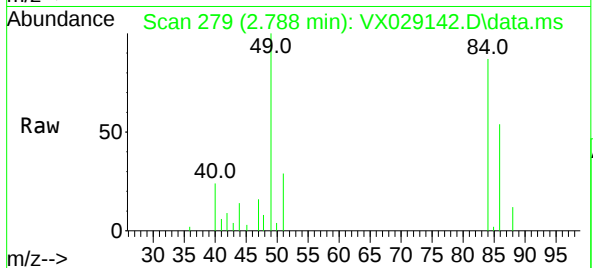
Tgt Ion: 43 Resp: 932
Ion Ratio Lower Upper
43 100
74 22.5 22.8 34.2#



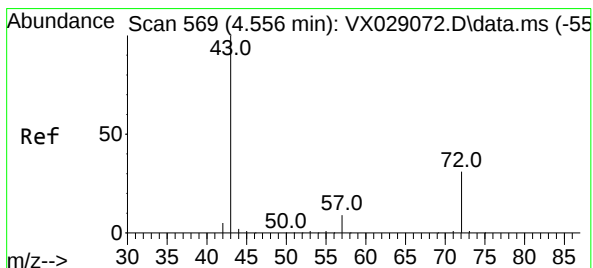
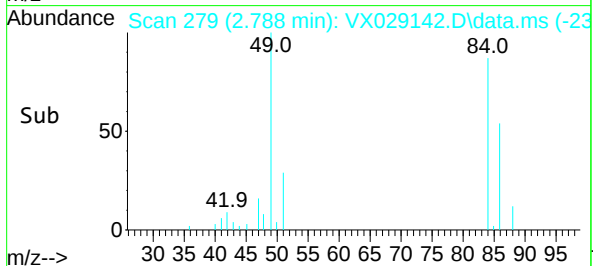
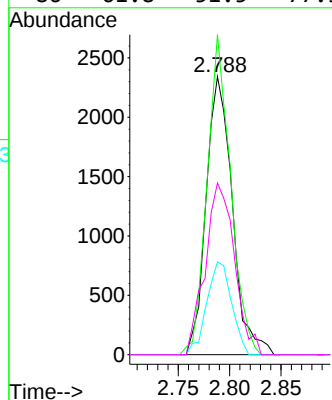


#20
Methylene Chloride
Concen: 1.363 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

Instrument :
MSVOA_X
ClientSampleId :

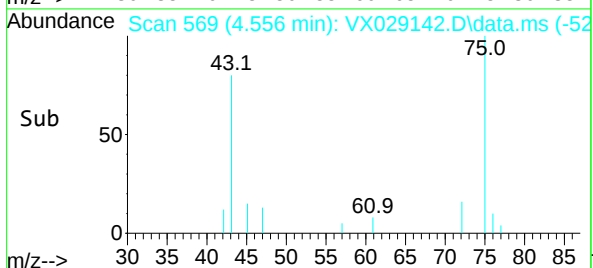
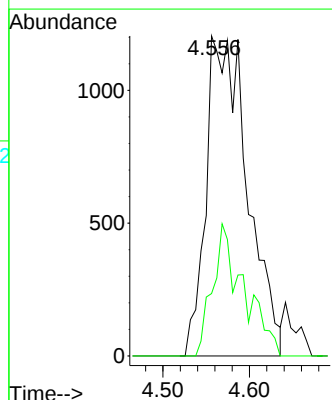
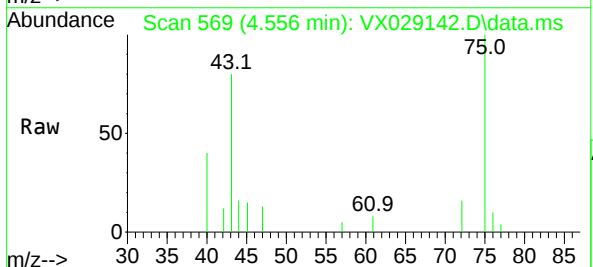


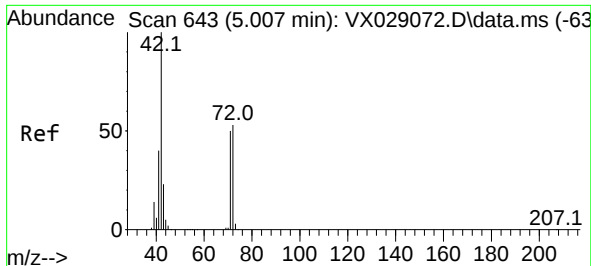
Tgt Ion:	84	Resp:	4153
Ion	Ratio	Lower	Upper
84	100		
49	115.1	85.5	128.3
51	33.4	26.6	39.8
86	61.8	51.5	77.3



#25
2-Butanone
Concen: 1.903 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

Tgt Ion:	43	Resp:	4011
Ion	Ratio	Lower	Upper
43	100		
72	19.5	24.4	36.6#





#29

Tetrahydrofuran

Concen: 0.475 ug/l

RT: 5.026 min Scan# 643

Delta R.T. 0.019 min

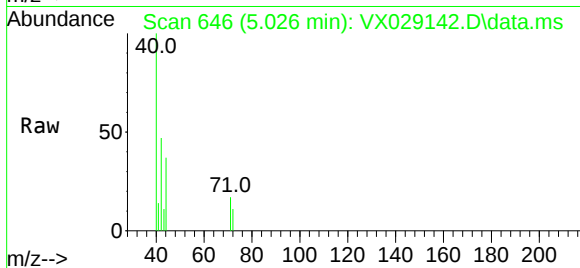
Lab File: VX029142.D

Acq: 02 Jun 2022 17:52

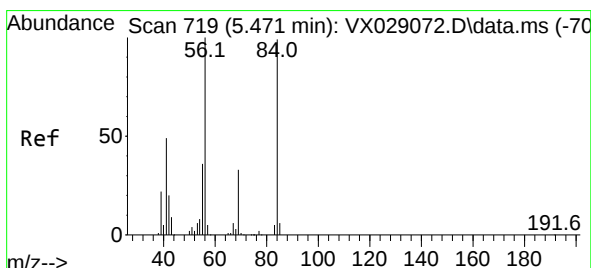
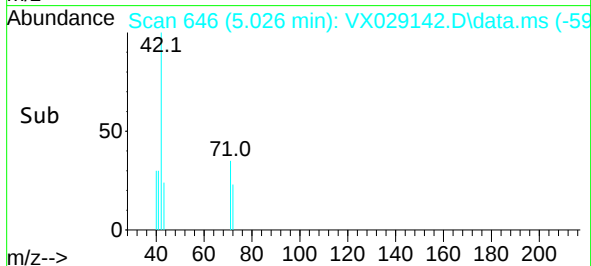
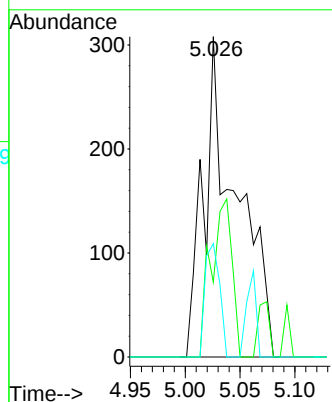
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	642
Ion Ratio	100	Lower	Upper
42	100		
72	31.5	44.1	66.1#
71	15.7	40.5	60.7#



#31

Cyclohexane

Concen: 1.269 ug/l

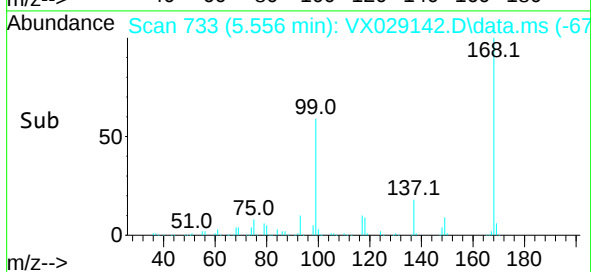
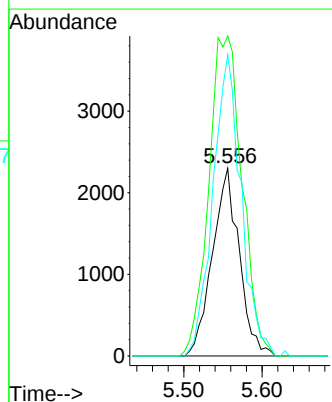
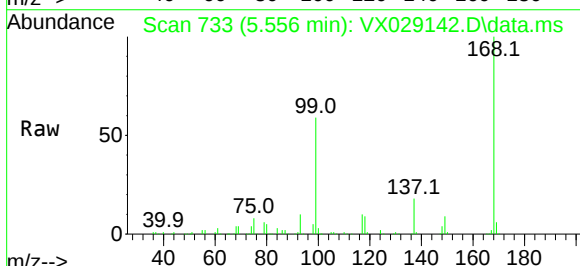
RT: 5.556 min Scan# 733

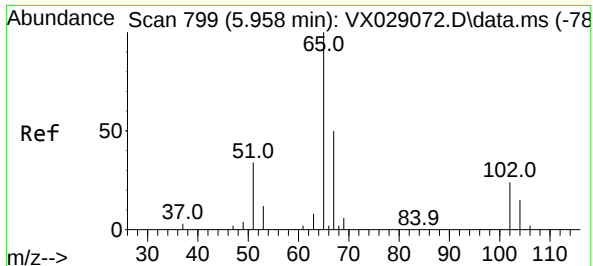
Delta R.T. 0.085 min

Lab File: VX029142.D

Acq: 02 Jun 2022 17:52

Tgt Ion:	56	Resp:	5472
Ion Ratio	100	Lower	Upper
56	100		
69	170.6	26.7	40.1#
84	160.5	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 59.764 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029142.D

Acq: 02 Jun 2022 17:52

Instrument :

MSVOA_X

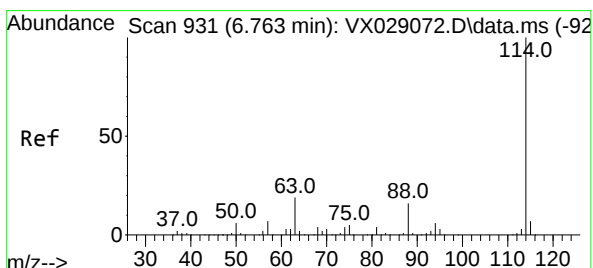
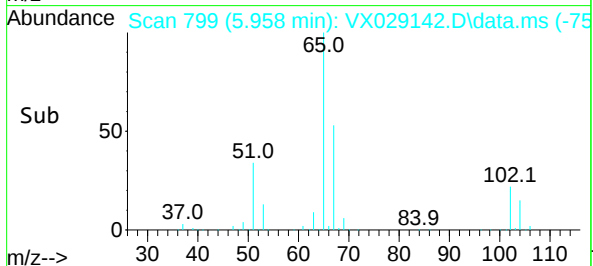
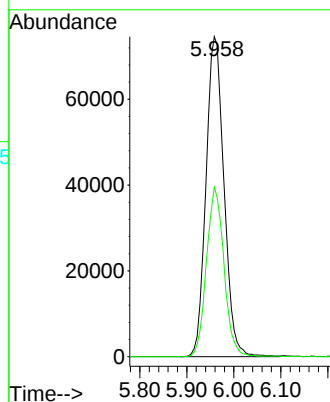
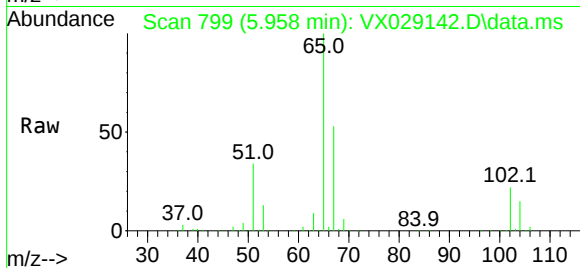
ClientSampleId :

Tgt Ion: 65 Resp: 198294

Ion Ratio Lower Upper

65 100

67 51.5 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: VX029142.D

Acq: 02 Jun 2022 17:52

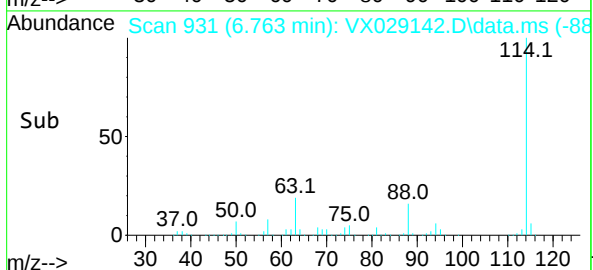
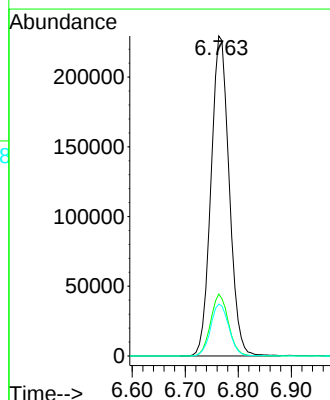
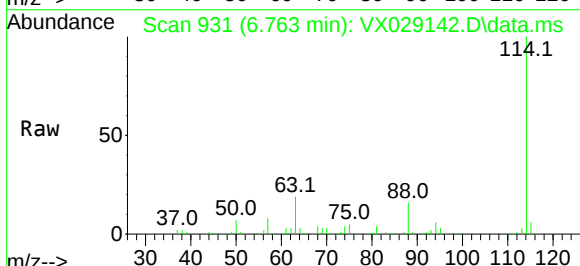
Tgt Ion: 114 Resp: 546541

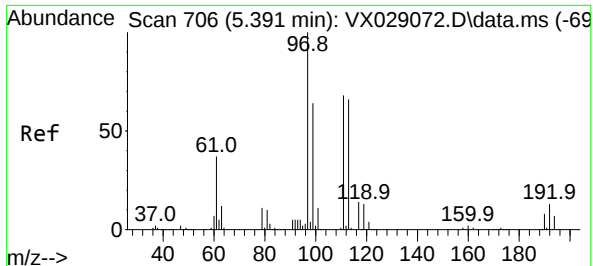
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.8

88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.643 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

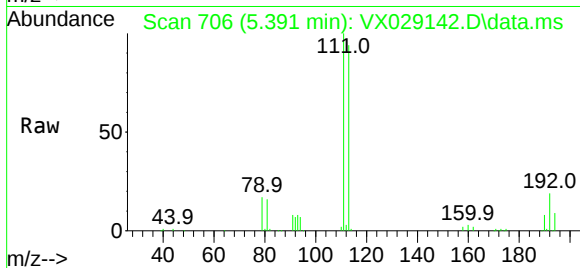
Lab File: VX029142.D

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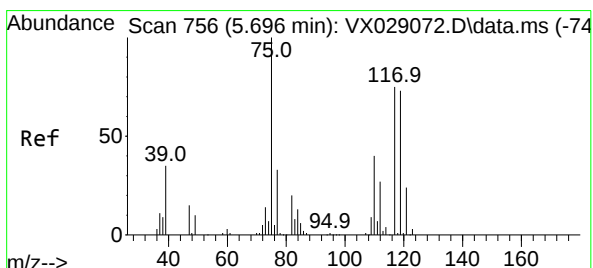
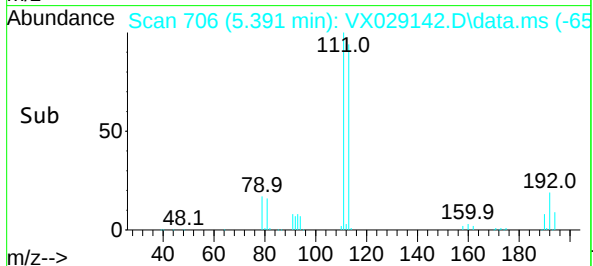
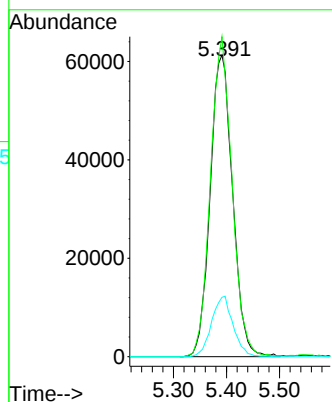
Tgt Ion:113 Resp: 180216

Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

192 19.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.035 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX029142.D

Acq: 02 Jun 2022 17:52

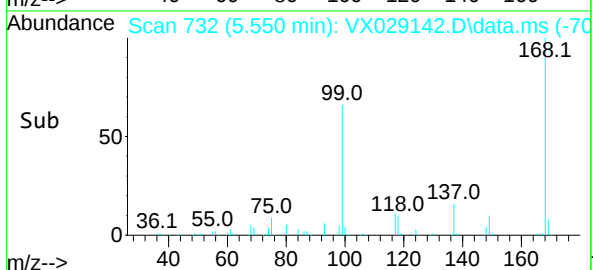
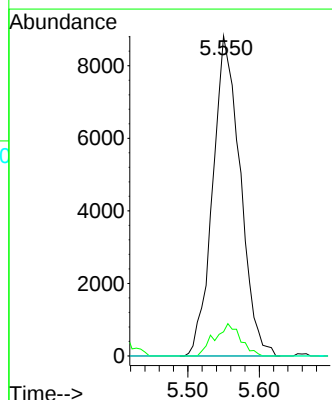
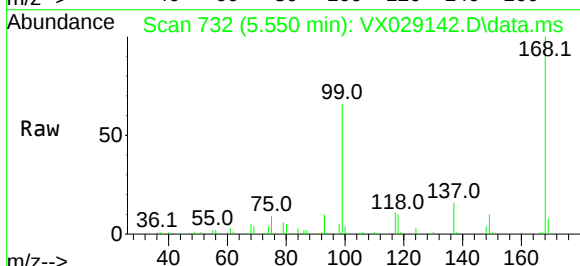
Tgt Ion: 75 Resp: 23518

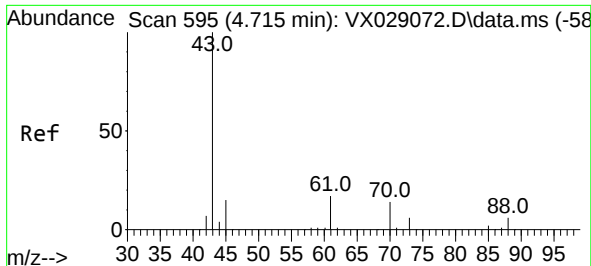
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.886 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.159 min

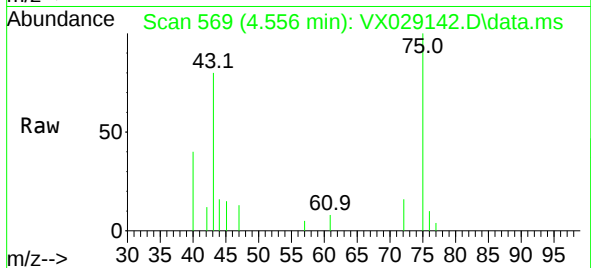
Lab File: VX029142.D

Acq: 02 Jun 2022 17:52

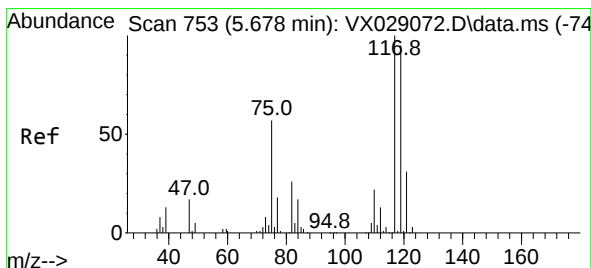
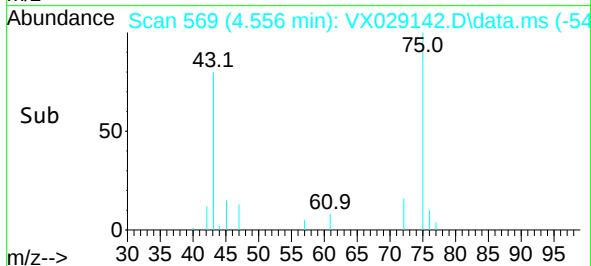
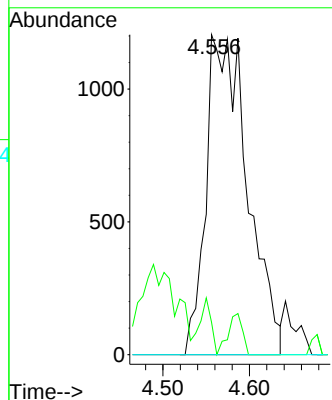
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 4011
Ion Ratio	Lower Upper
43	100
61	5.0 12.6 19.0#
70	0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.715 ug/l

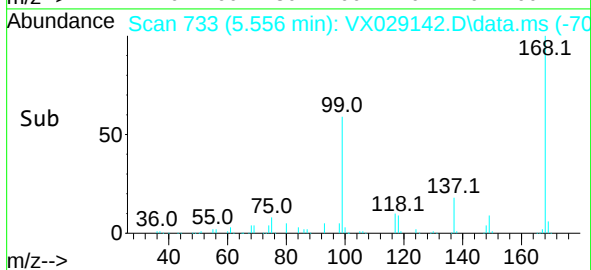
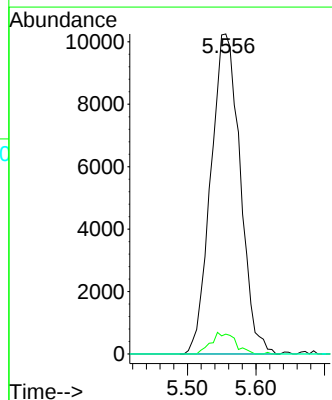
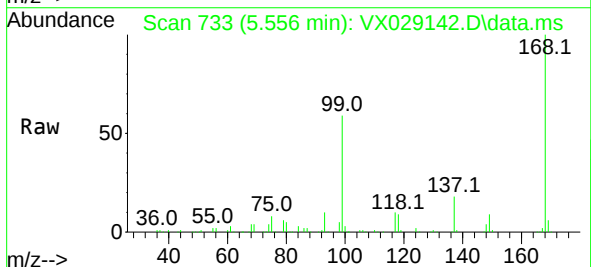
RT: 5.556 min Scan# 733

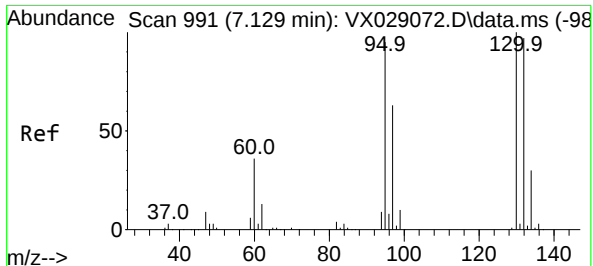
Delta R.T. -0.122 min

Lab File: VX029142.D

Acq: 02 Jun 2022 17:52

Tgt Ion: 117	Resp: 30507
Ion Ratio	Lower Upper
117	100
119	6.2 77.3 115.9#
121	0.0 24.2 36.2#

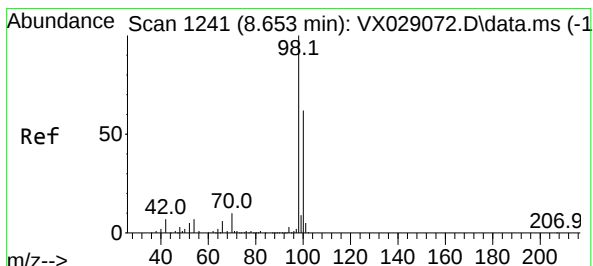
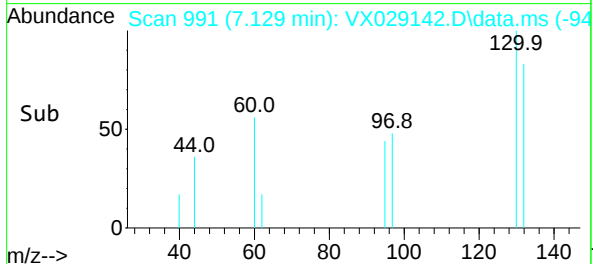
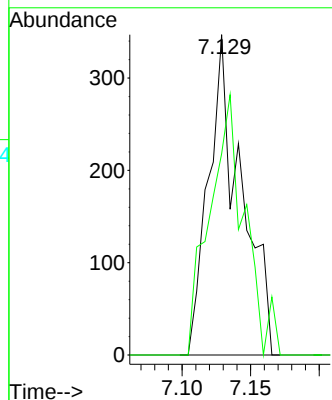
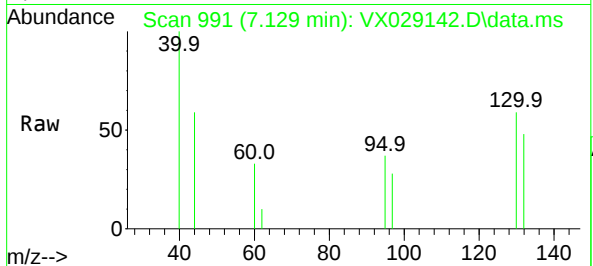




#44
Trichloroethene
Concen: Below Cal
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

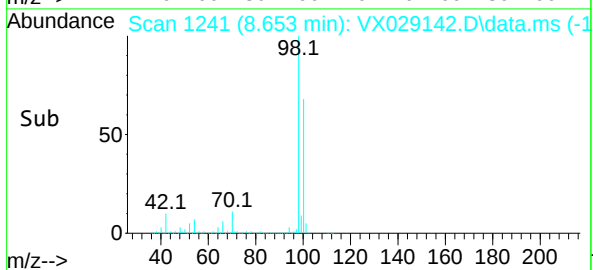
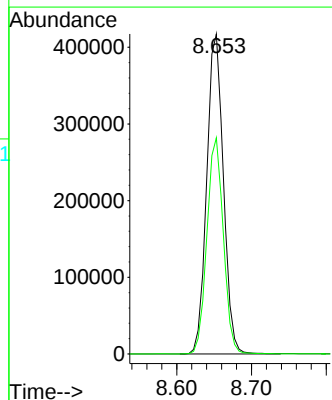
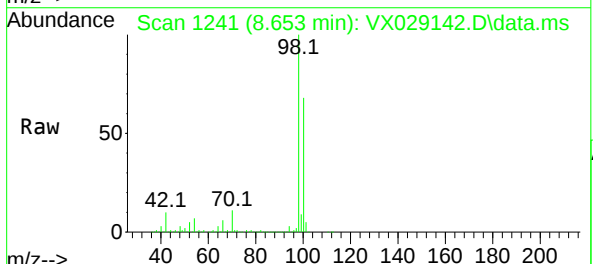
Instrument :
MSVOA_X
ClientSampleId :

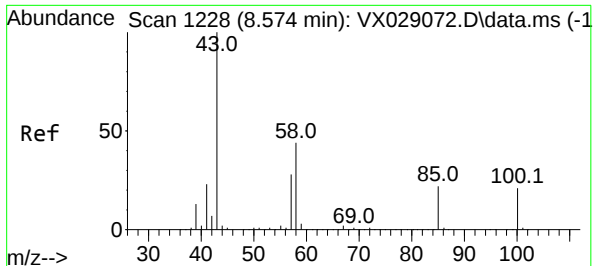
Tgt Ion:130 Resp: 571
Ion Ratio Lower Upper
130 100
95 62.8 0.0 188.8



#50
Toluene-d8
Concen: 48.644 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

Tgt Ion: 98 Resp: 645858
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8

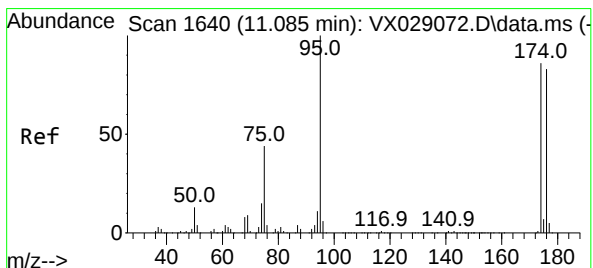
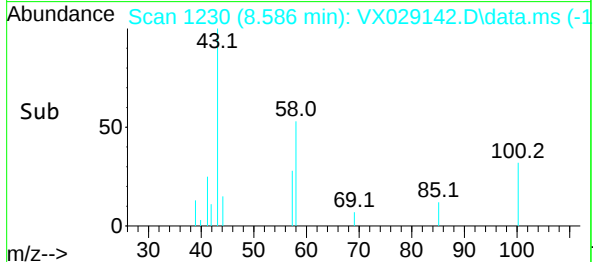
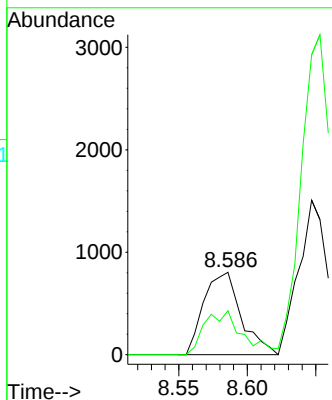
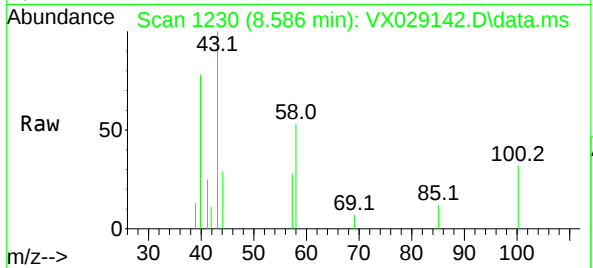




#51
4-Methyl-2-Pentanone
Concen: 0.322 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

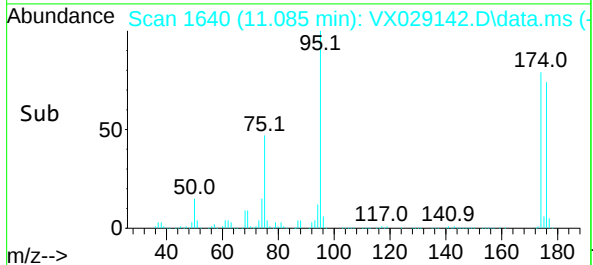
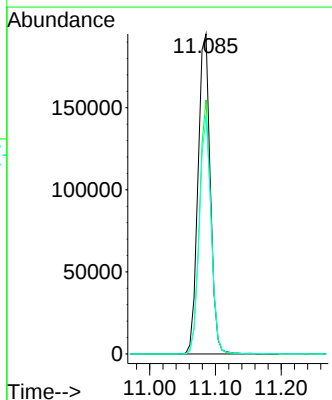
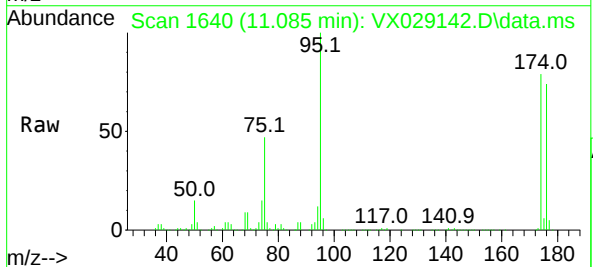
Instrument :
MSVOA_X
ClientSampleId :

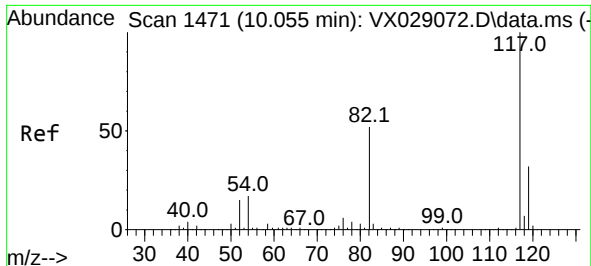
Tgt Ion: 43 Resp: 1519
Ion Ratio Lower Upper
43 100
58 53.3 36.1 54.1



#62
4-Bromofluorobenzene
Concen: 49.304 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

Tgt Ion: 95 Resp: 253048
Ion Ratio Lower Upper
95 100
174 74.1 0.0 163.0
176 71.4 0.0 155.0

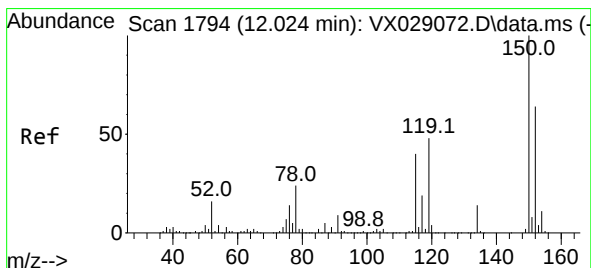
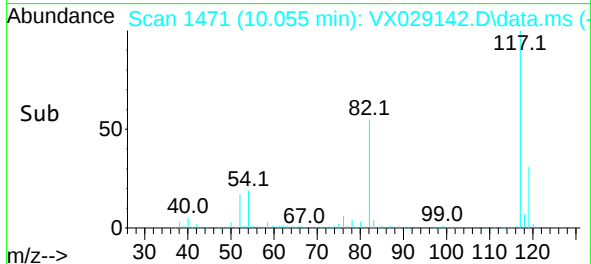
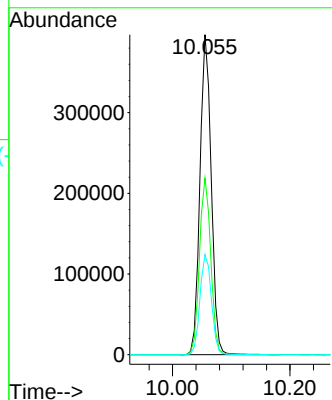
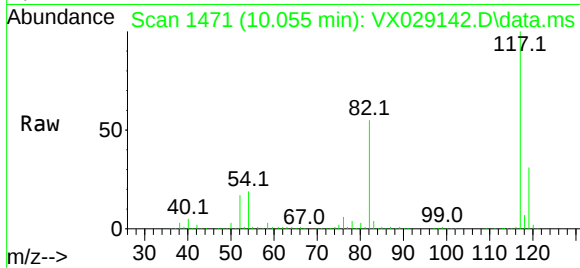




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

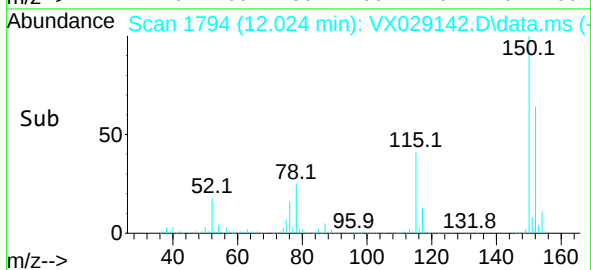
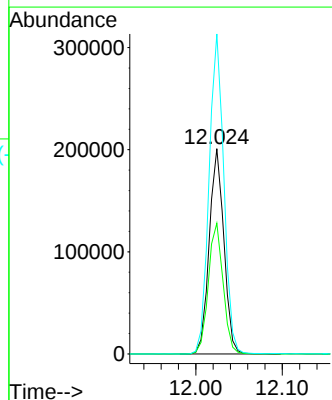
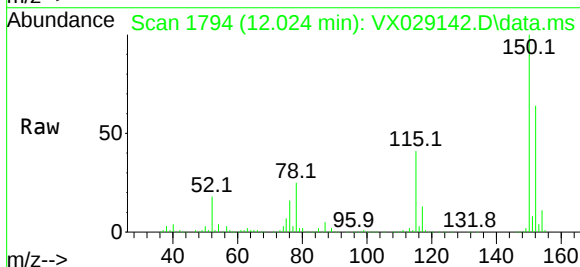
Instrument :
MSVOA_X
ClientSampleId :

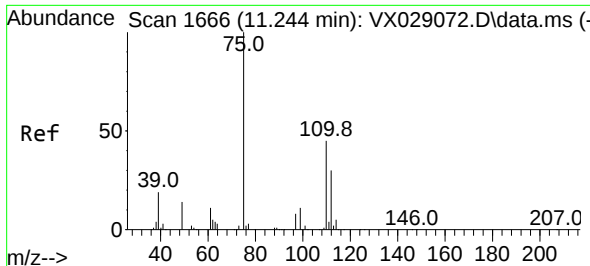
Tgt Ion:117 Resp: 526095
Ion Ratio Lower Upper
117 100
82 55.2 41.8 62.8
119 31.3 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

Tgt Ion:152 Resp: 236478
Ion Ratio Lower Upper
152 100
115 64.0 37.5 112.7
150 156.6 0.0 338.2

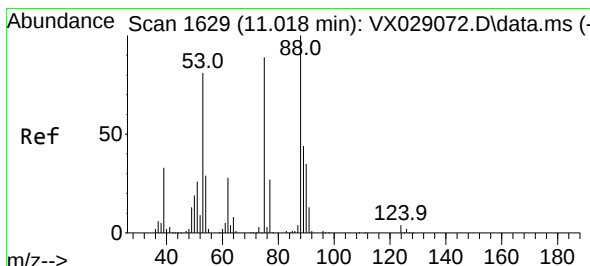
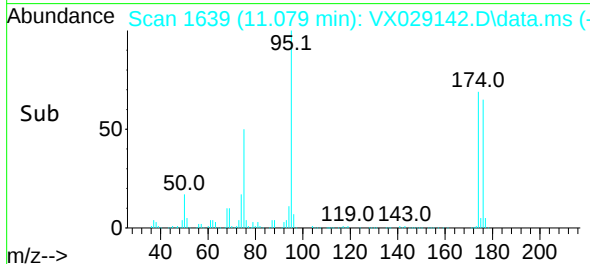
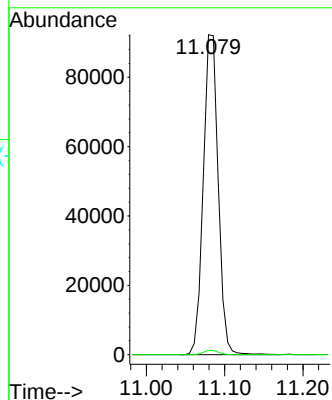
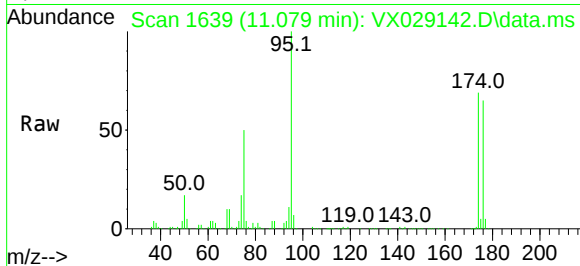




#76
1,2,3-Trichloropropane
Concen: 25.457 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 122036
Ion Ratio Lower Upper
75 100
77 1.4 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.686 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029142.D
Acq: 02 Jun 2022 17:52

Tgt Ion: 75 Resp: 122036
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

