

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011222\
 Data File : VX026439.D
 Acq On : 12 Jan 2022 17:20
 Operator : JC/MD
 Sample : N1122-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

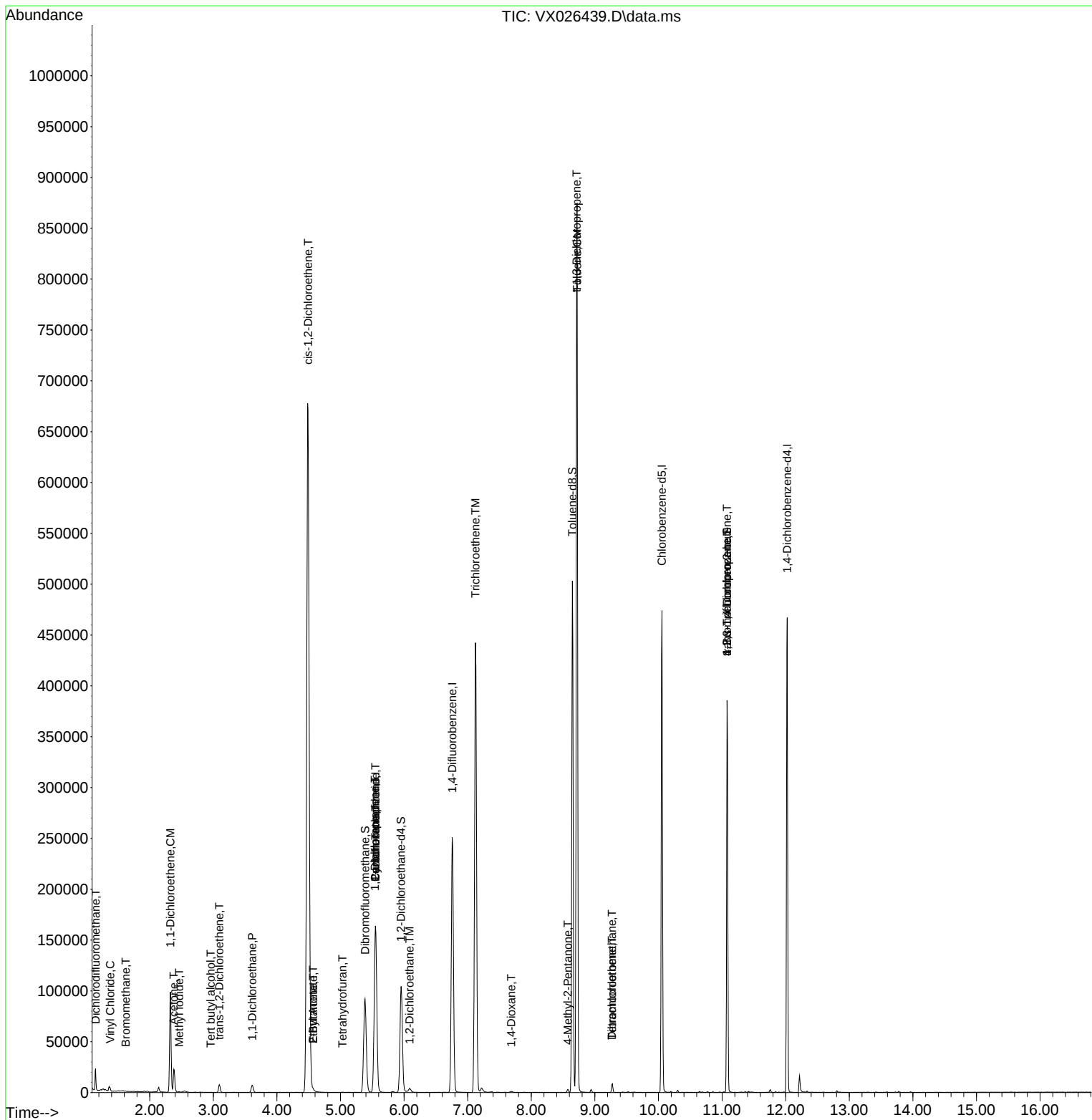
Instrument :
 MSVOA_X
 ClientSampleId :

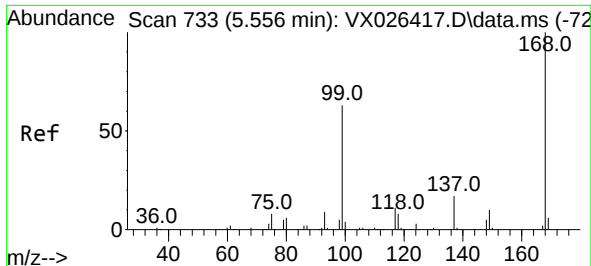
Quant Time: Jan 13 05:54:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	151630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	252812	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104596	49.381	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.760%
35) Dibromofluoromethane	5.385	113	80631	49.389	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.780%
50) Toluene-d8	8.647	98	288728	49.077	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.160%
62) 4-Bromofluorobenzene	11.079	95	105639	50.547	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.148	85	1446	0.808	ug/l	86
4) Vinyl Chloride	1.380	62	1172	0.680	ug/l	91
5) Bromomethane	1.624	94	172	0.216	ug/l #	61
10) Methyl Iodide	2.465	142	686	4.795	ug/l #	89
11) Tert butyl alcohol	2.959	59	98	0.333	ug/l #	75
12) 1,1-Dichloroethene	2.325	96	31398	19.827	ug/l	95
16) Acetone	2.380	43	25188	23.318	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	3041	1.774	ug/l	91
24) 1,1-Dichloroethane	3.611	63	8301	2.598	ug/l	97
25) 2-Butanone	4.568	43	3154	2.245	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	425462	217.454	ug/l	91
29) Tetrahydrofuran	5.032	42	180	0.216	ug/l #	34
31) Cyclohexane	5.550	56	3698	1.184	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	12325	4.782	ug/l #	51
37) Ethyl Acetate	4.568	43	3154	1.210	ug/l #	69
38) Carbon Tetrachloride	5.550	117	15939	6.012	ug/l #	17
42) 1,2-Dichloroethane	6.086	62	4475	1.606	ug/l	98
44) Trichloroethene	7.123	130	170853	84.524	ug/l	98
49) 1,4-Dioxane	7.684	88	546	15.942	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	1931	0.773	ug/l	92
52) Toluene	8.720	92	326364	74.710	ug/l	100
53) t-1,3-Dichloropropene	8.714	75	4008	3.304	ug/l #	1
60) Dibromochloromethane	9.269	129	1566	0.882	ug/l #	11
64) Tetrachloroethene	9.269	164	1642	0.812	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	53336	25.834	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	53336	78.359	ug/l #	3

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

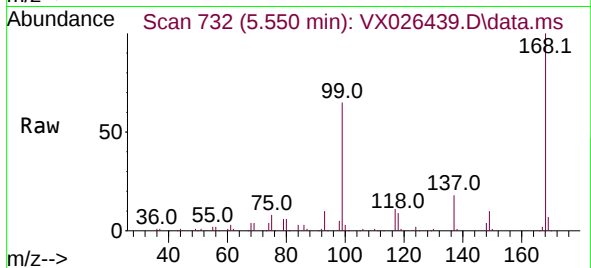
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 11 14:45:13 2022
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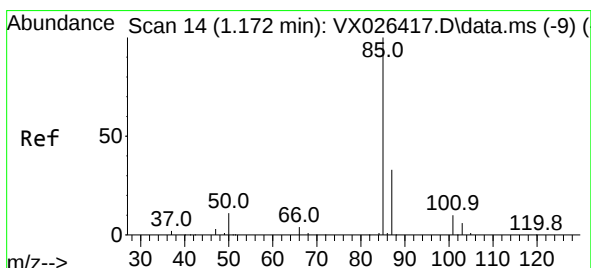
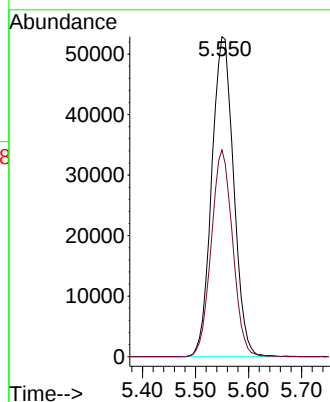
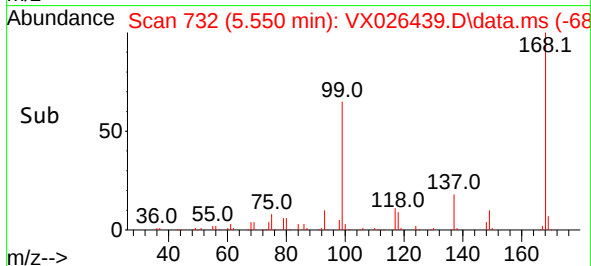


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

Instrument :
MSVOA_X
ClientSampleId :

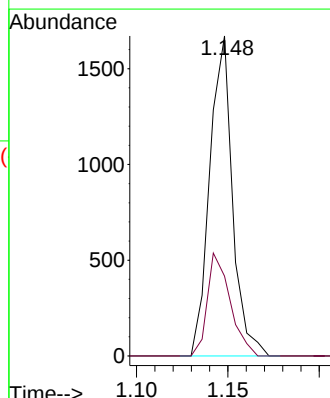
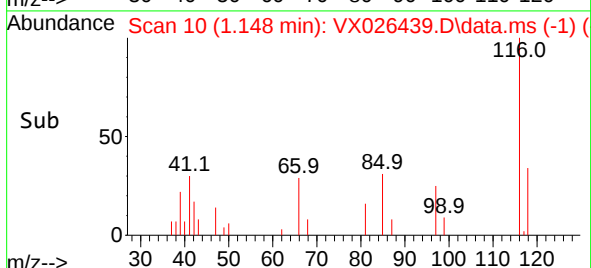
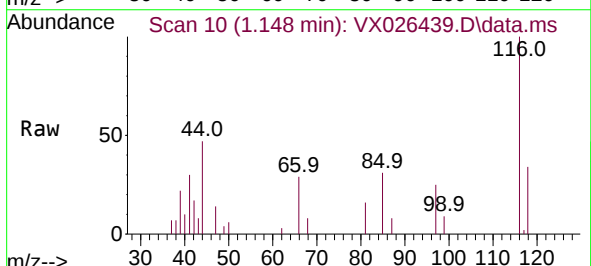


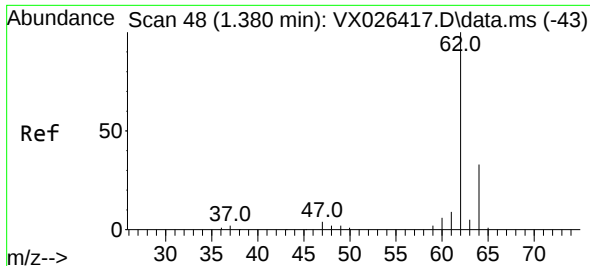
Tgt Ion:168 Resp: 151630
Ion Ratio Lower Upper
168 100
99 64.6 50.3 75.5



#2
Dichlorodifluoromethane
Concen: 0.808 ug/l
RT: 1.148 min Scan# 10
Delta R.T. -0.024 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

Tgt Ion: 85 Resp: 1446
Ion Ratio Lower Upper
85 100
87 25.0 16.4 49.1





#4

Vinyl Chloride

Concen: 0.680 ug/l

RT: 1.380 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

Instrument :

MSVOA_X

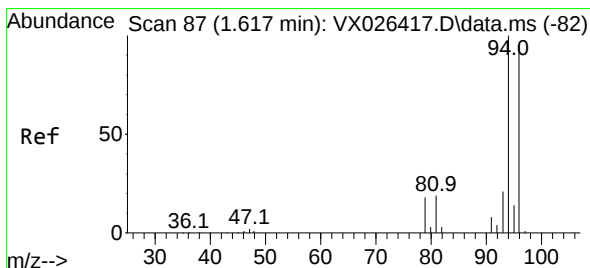
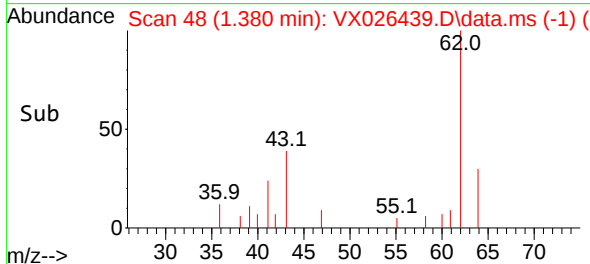
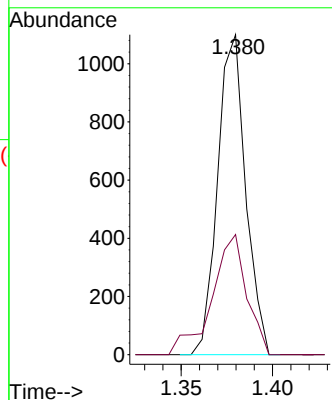
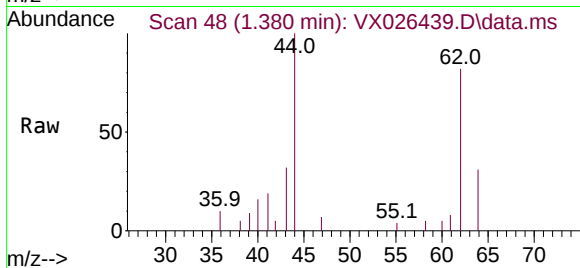
ClientSampleId :

Tgt Ion: 62 Resp: 1172

Ion Ratio Lower Upper

62 100

64 37.5 26.2 39.2



#5

Bromomethane

Concen: 0.216 ug/l

RT: 1.624 min Scan# 88

Delta R.T. 0.006 min

Lab File: VX026439.D

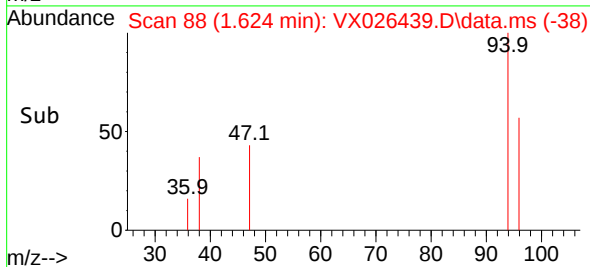
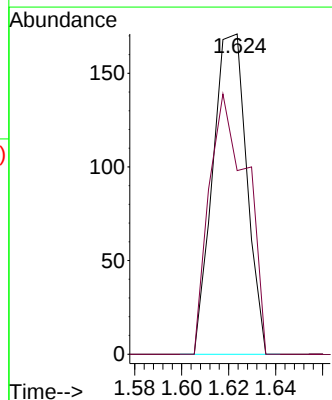
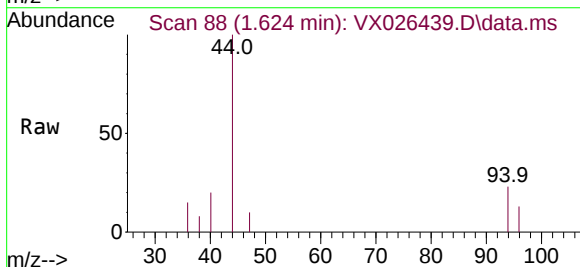
Acq: 12 Jan 2022 17:20

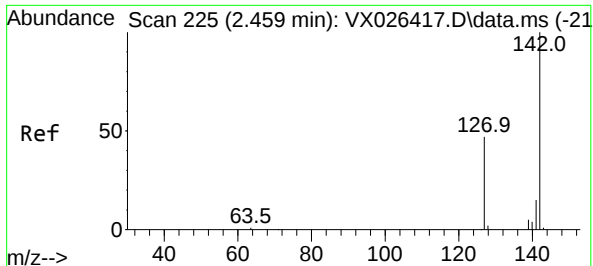
Tgt Ion: 94 Resp: 172

Ion Ratio Lower Upper

94 100

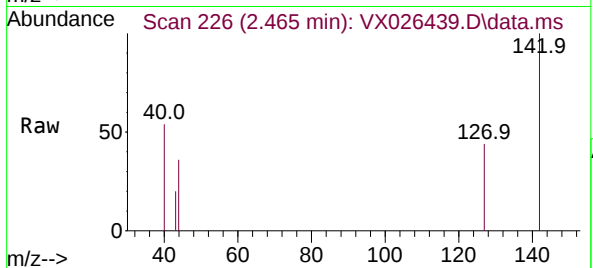
96 57.3 75.9 113.9#



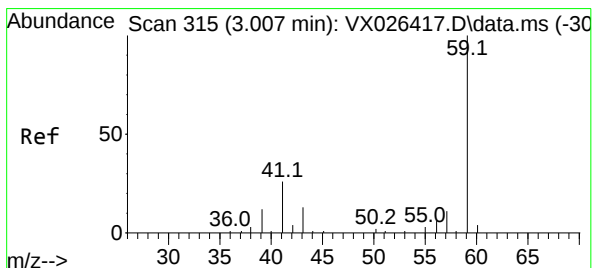
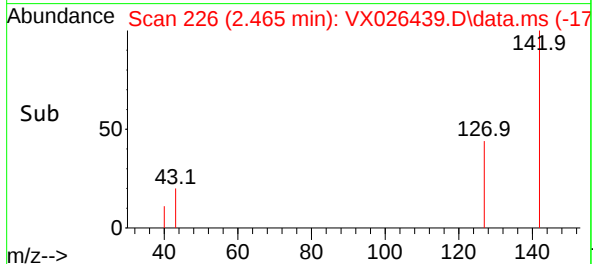
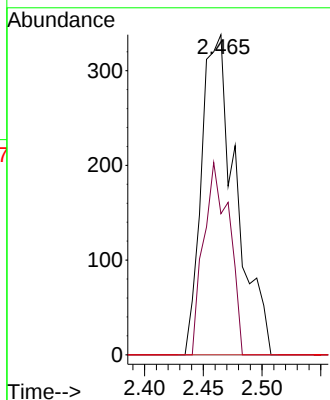


#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

Instrument :
MSVOA_X
ClientSampleId :

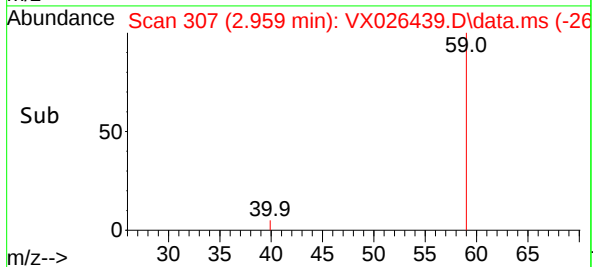
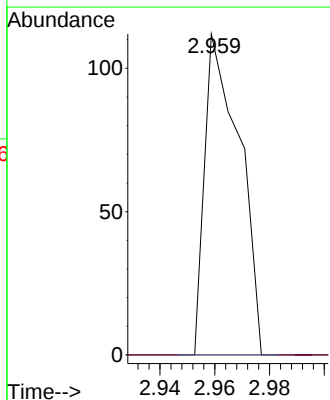
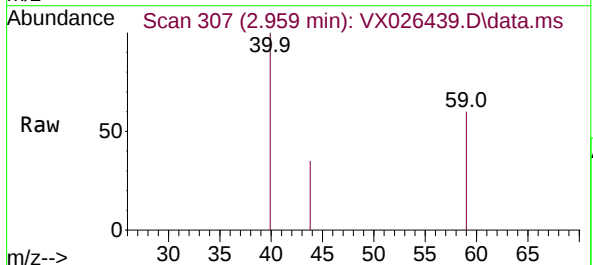


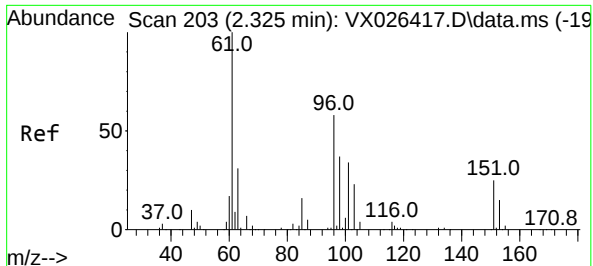
Tgt Ion:142 Resp: 686
Ion Ratio Lower Upper
142 100
127 44.9 38.1 57.1
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.333 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.048 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

Tgt Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#12

1,1-Dichloroethene

Concen: 19.827 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

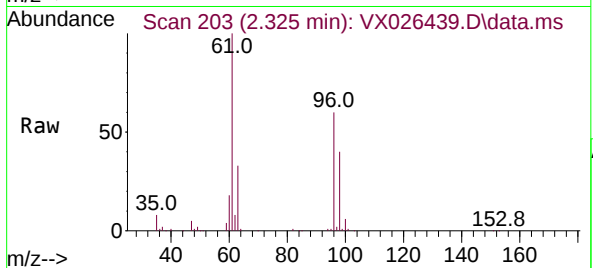
Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

Instrument :

MSVOA_X

ClientSampleId :



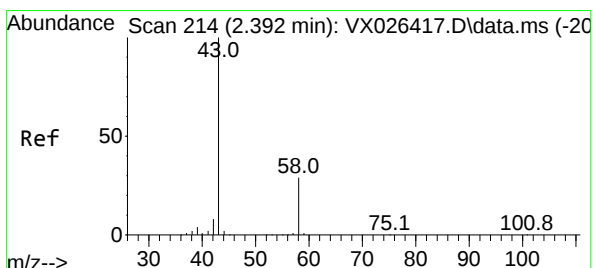
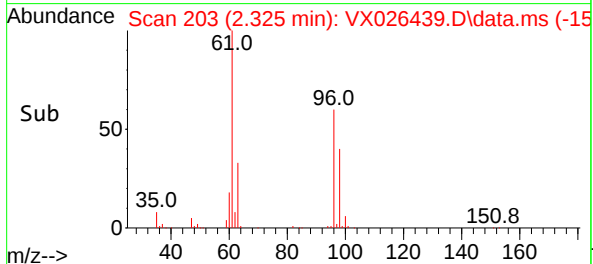
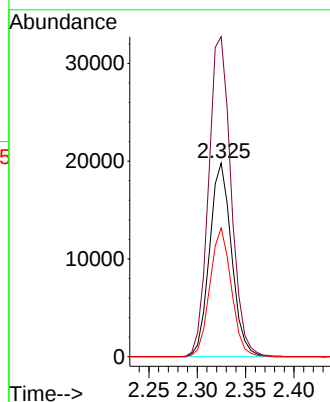
Tgt Ion: 96 Resp: 31398

Ion Ratio Lower Upper

96 100

61 165.3 138.5 207.7

98 66.5 51.8 77.6



#16

Acetone

Concen: 23.318 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX026439.D

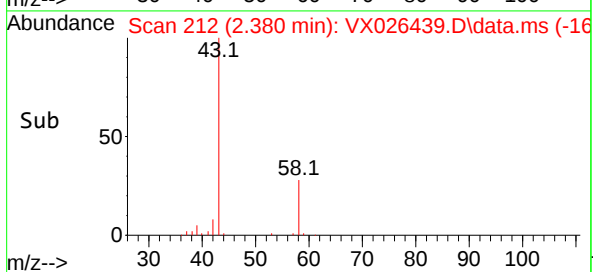
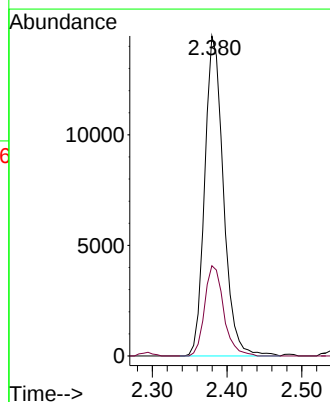
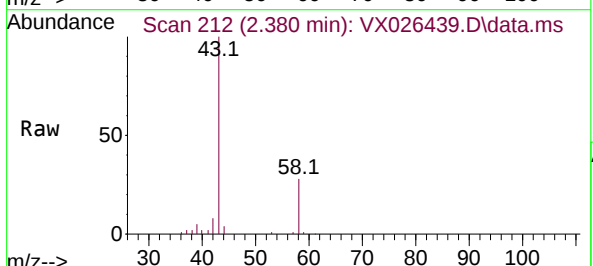
Acq: 12 Jan 2022 17:20

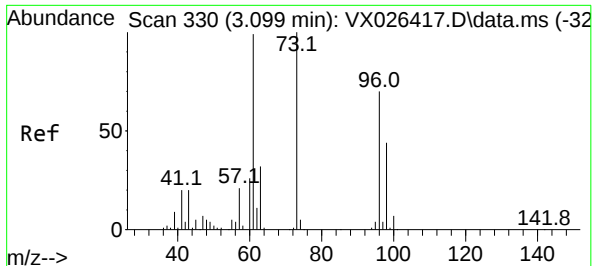
Tgt Ion: 43 Resp: 25188

Ion Ratio Lower Upper

43 100

58 28.2 23.0 34.6

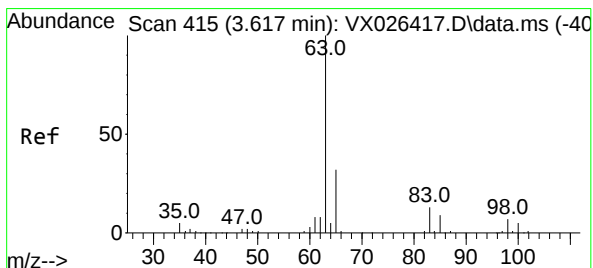
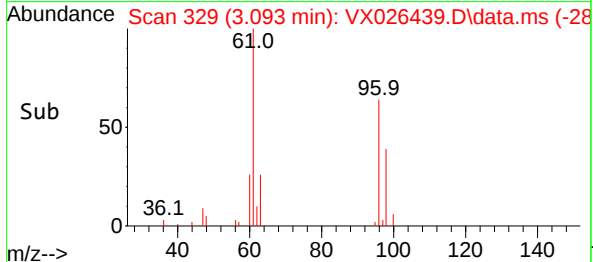
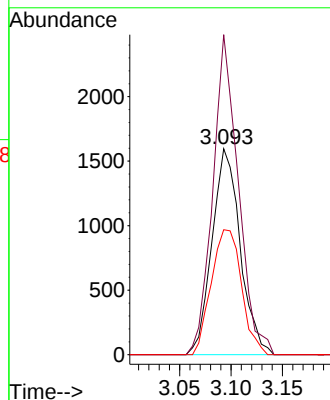
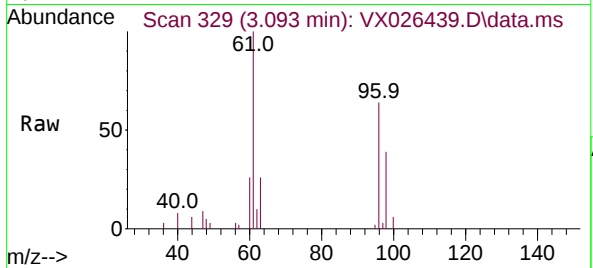




#21
trans-1,2-Dichloroethene
Concen: 1.774 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

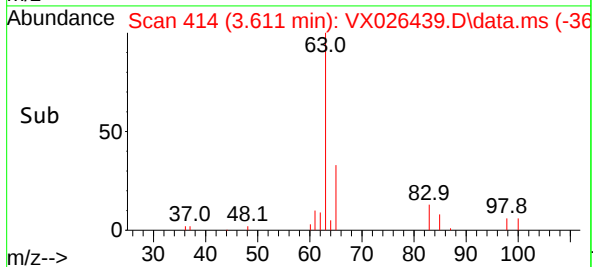
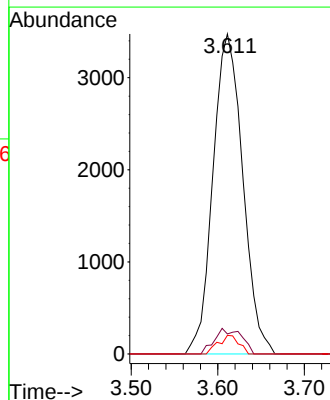
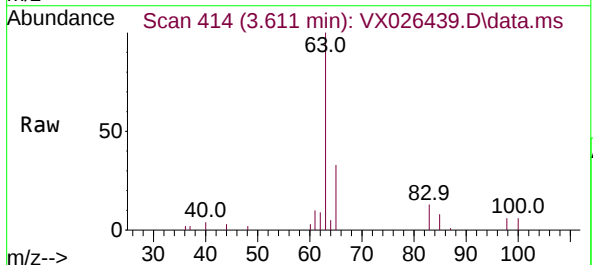
Instrument :
MSVOA_X
ClientSampleId :

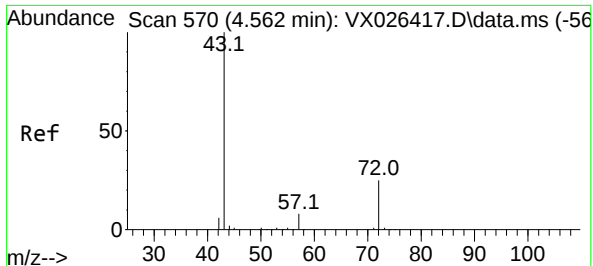
Tgt Ion: 96 Resp: 3041
Ion Ratio Lower Upper
96 100
61 155.4 112.9 169.3
98 60.7 49.5 74.3



#24
1,1-Dichloroethane
Concen: 2.598 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.006 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

Tgt Ion: 63 Resp: 8301
Ion Ratio Lower Upper
63 100
98 6.3 3.7 11.1
100 5.8 2.4 7.2





#25

2-Butanone

Concen: 2.245 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

Instrument :

MSVOA_X

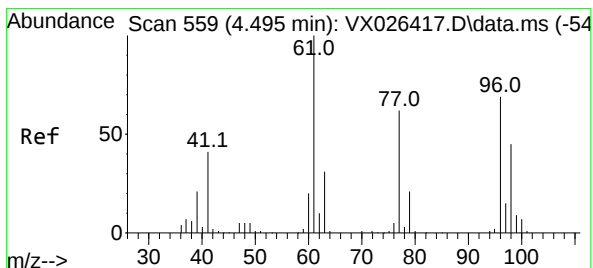
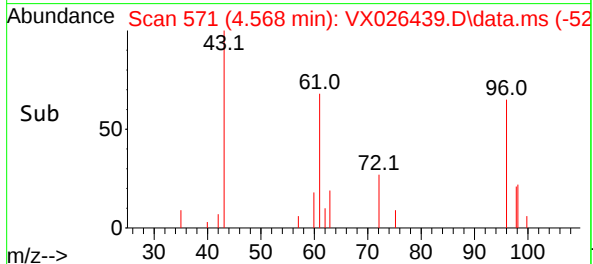
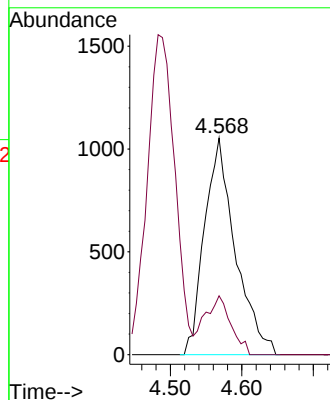
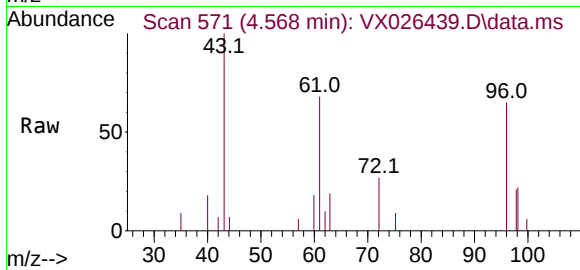
ClientSampleId :

Tgt Ion: 43 Resp: 3154

Ion Ratio Lower Upper

43 100

72 27.2 20.4 30.6



#27

cis-1,2-Dichloroethene

Concen: 217.454 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.006 min

Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

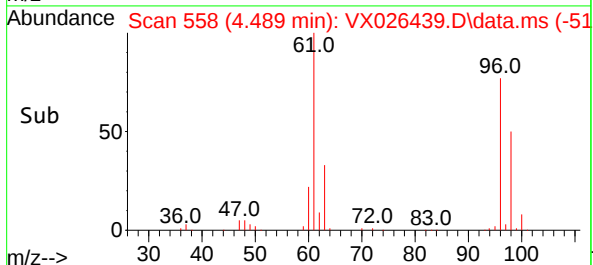
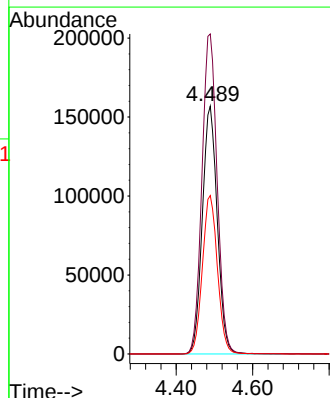
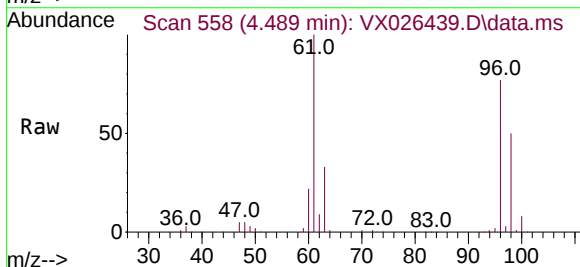
Tgt Ion: 96 Resp: 425462

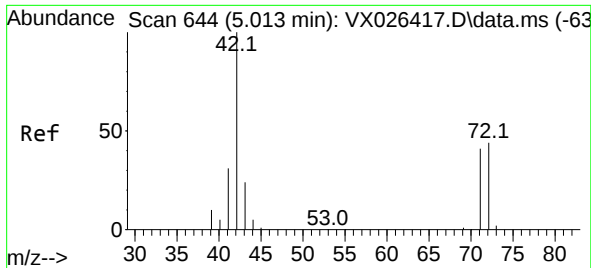
Ion Ratio Lower Upper

96 100

61 131.8 0.0 296.6

98 64.3 0.0 128.8

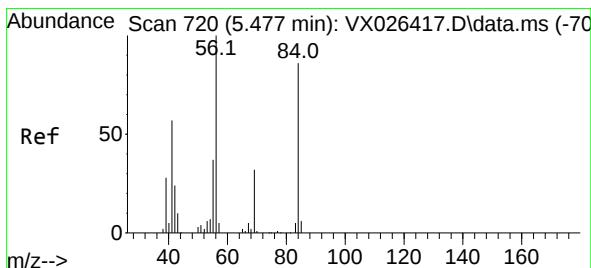
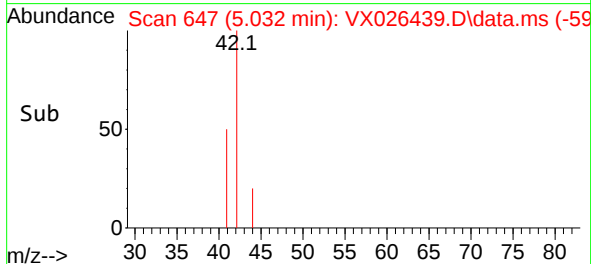
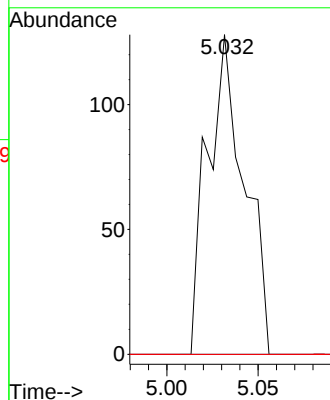
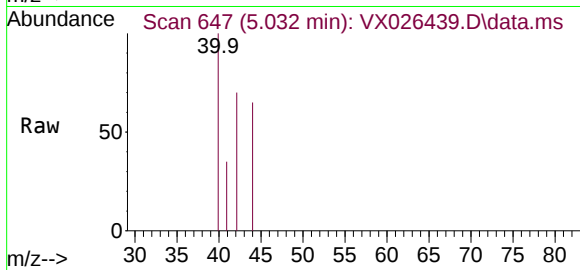




#29
Tetrahydrofuran
Concen: 0.216 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

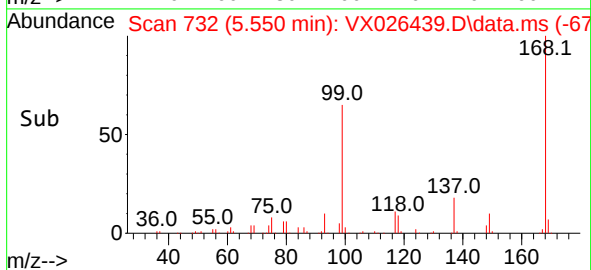
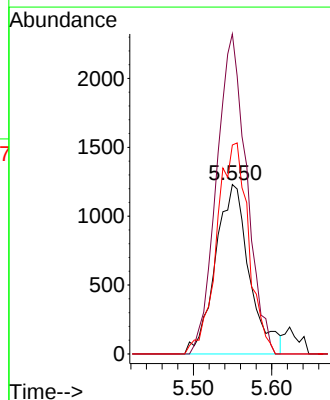
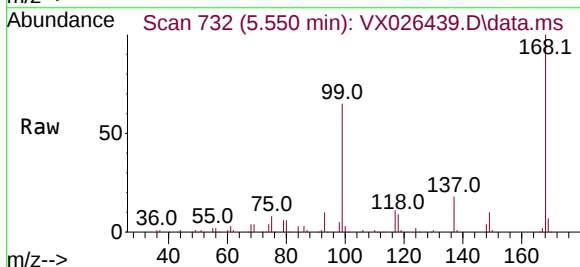
Instrument :
MSVOA_X
ClientSampleId :

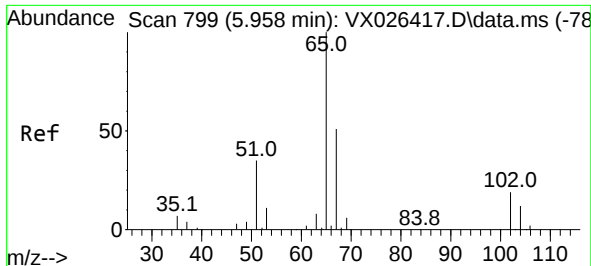
Tgt Ion: 42 Resp: 180
Ion Ratio Lower Upper
42 100
72 0.0 34.6 52.0#
71 0.0 31.8 47.8#



#31
Cyclohexane
Concen: 1.184 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

Tgt Ion: 56 Resp: 3698
Ion Ratio Lower Upper
56 100
69 188.9 25.8 38.6#
84 123.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 49.381 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

Instrument :

MSVOA_X

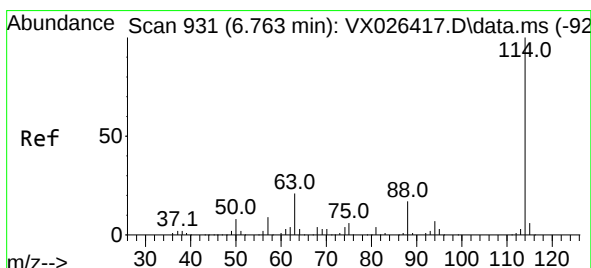
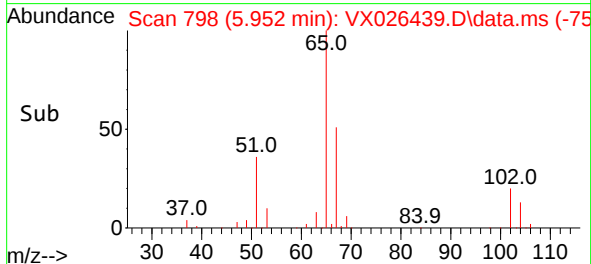
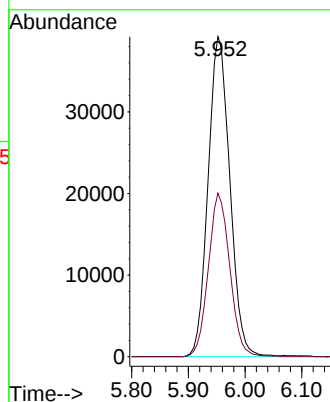
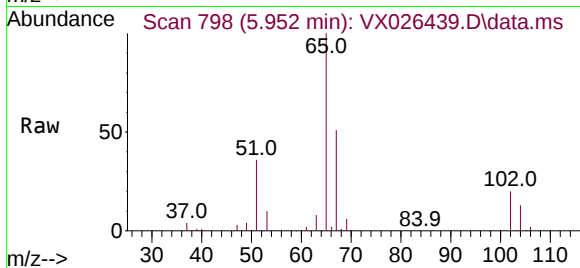
ClientSampleId :

Tgt Ion: 65 Resp: 104596

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

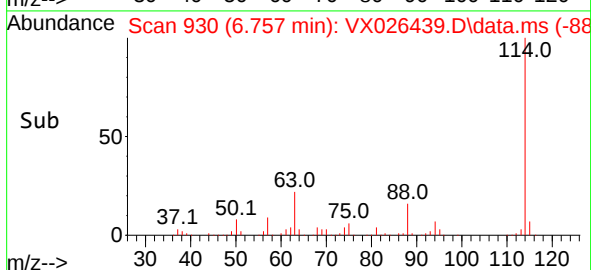
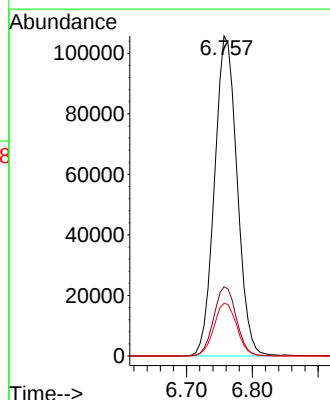
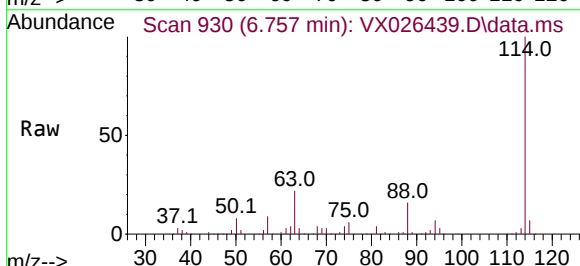
Tgt Ion: 114 Resp: 252812

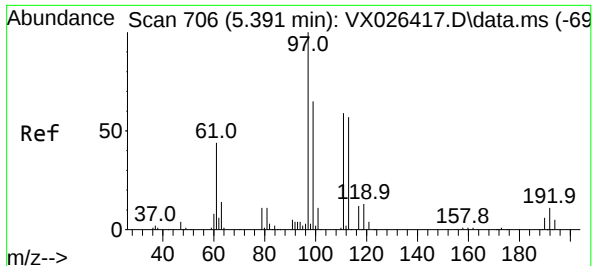
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.8

88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.389 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

Instrument :

MSVOA_X

ClientSampleId :

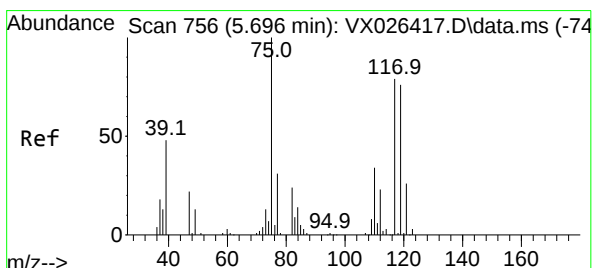
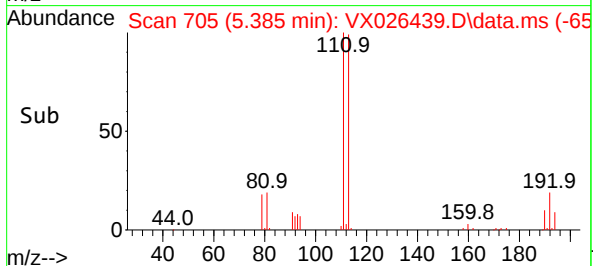
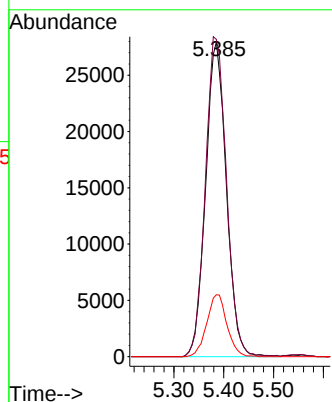
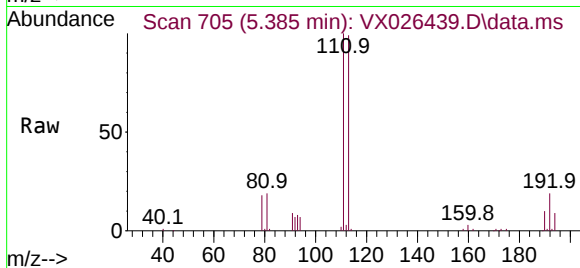
Tgt Ion:113 Resp: 80631

Ion Ratio Lower Upper

113 100

111 103.7 81.2 121.8

192 19.2 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.782 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.152 min

Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

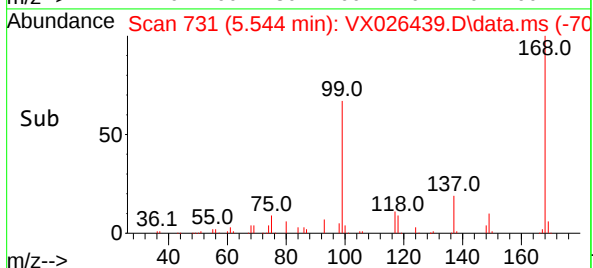
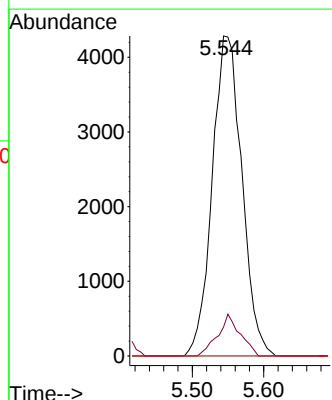
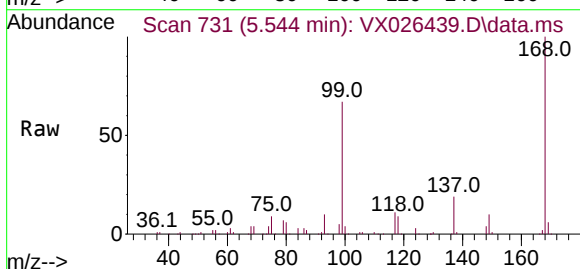
Tgt Ion: 75 Resp: 12325

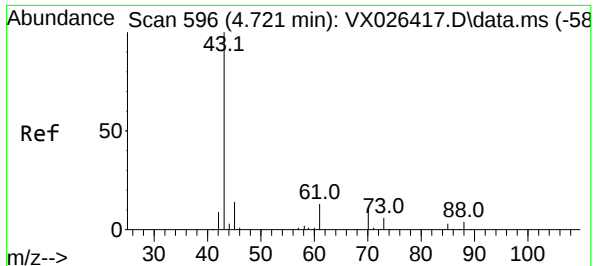
Ion Ratio Lower Upper

75 100

110 9.9 17.2 51.6#

77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.210 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.152 min

Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

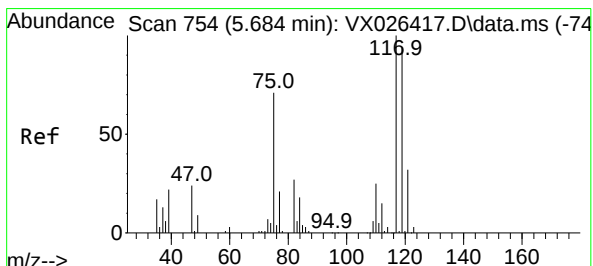
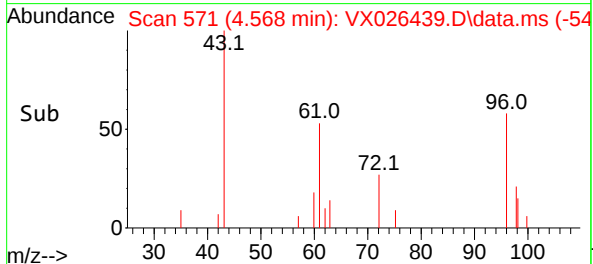
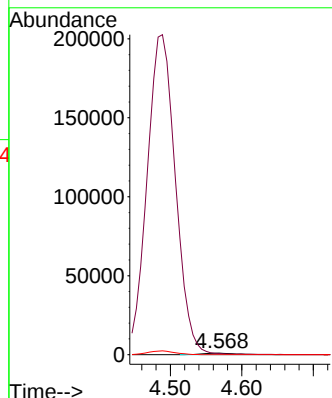
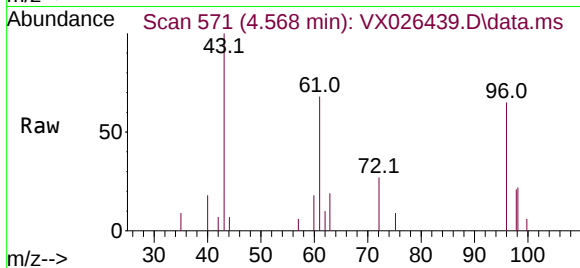
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 3154

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.5	12.7#



#38

Carbon Tetrachloride

Concen: 6.012 ug/l

RT: 5.550 min Scan# 732

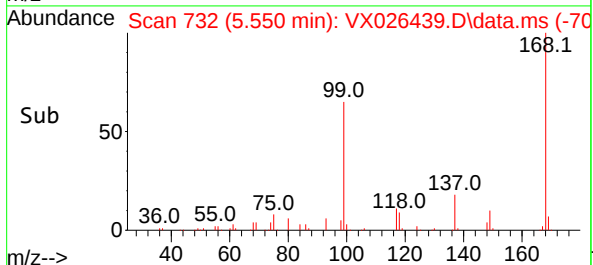
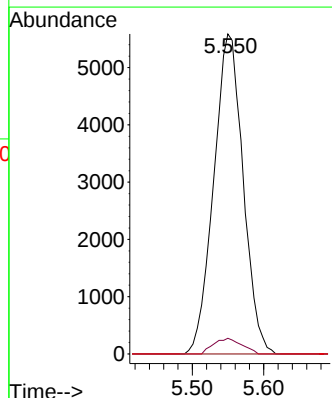
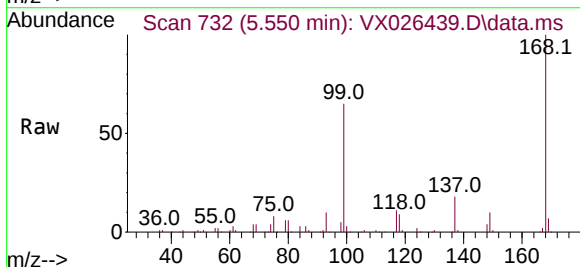
Delta R.T. -0.134 min

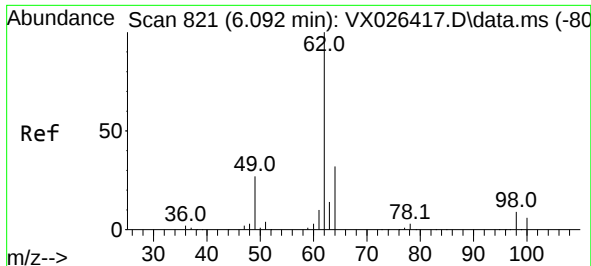
Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

Tgt Ion: 117 Resp: 15939

Ion	Ratio	Lower	Upper
117	100		
119	4.9	74.7	112.1#
121	0.0	25.4	38.0#





#42

1,2-Dichloroethane

Concen: 1.606 ug/l

RT: 6.086 min Scan# 81

Delta R.T. -0.006 min

Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

Instrument :

MSVOA_X

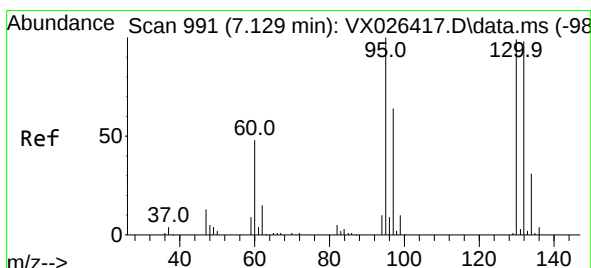
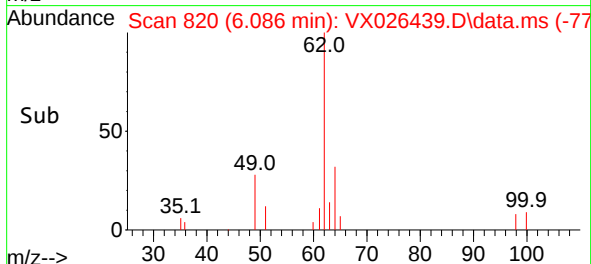
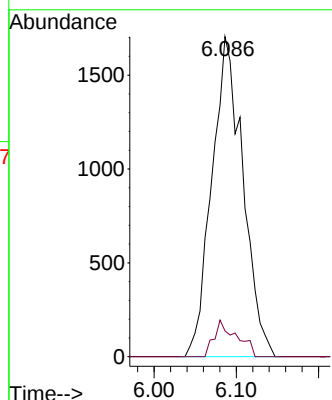
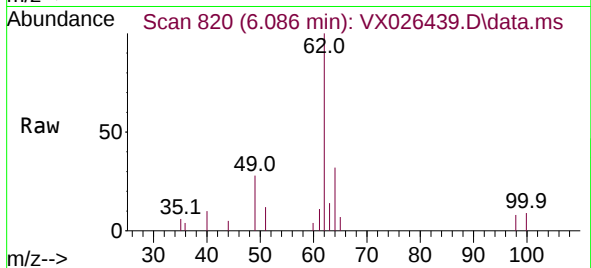
ClientSampleId :

Tgt Ion: 62 Resp: 4475

Ion Ratio Lower Upper

62 100

98 8.2 0.0 17.8



#44

Trichloroethene

Concen: 84.524 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX026439.D

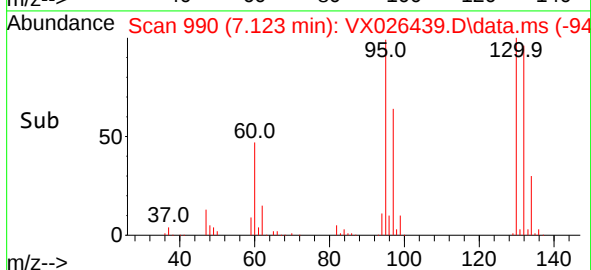
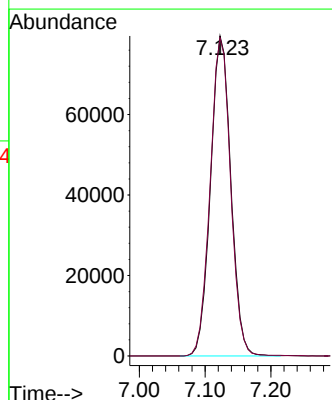
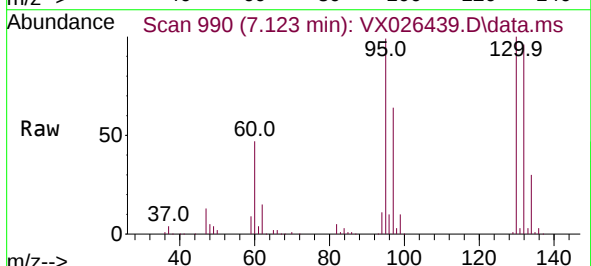
Acq: 12 Jan 2022 17:20

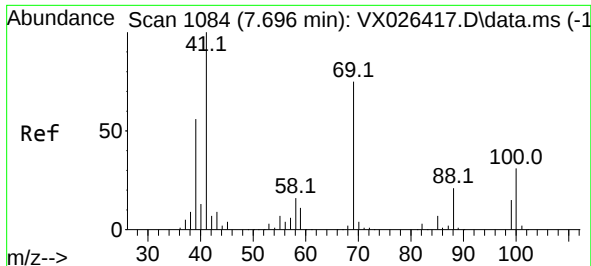
Tgt Ion:130 Resp: 170853

Ion Ratio Lower Upper

130 100

95 99.4 0.0 202.6





#49

1,4-Dioxane

Concen: 15.942 ug/l

RT: 7.684 min Scan# 1084

Delta R.T. -0.012 min

Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

Instrument :

MSVOA_X

ClientSampleId :

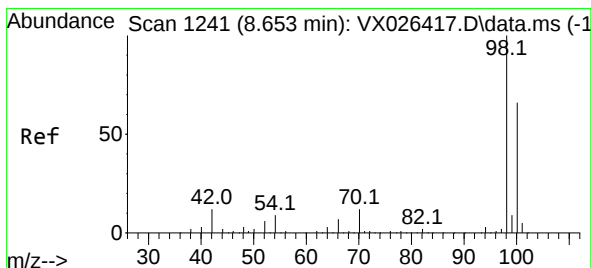
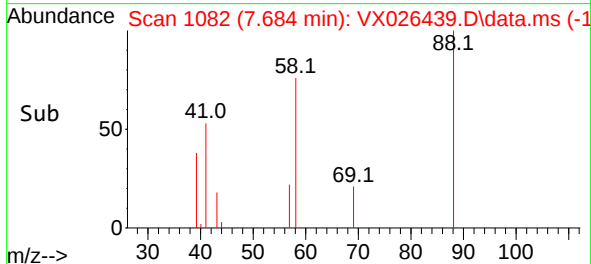
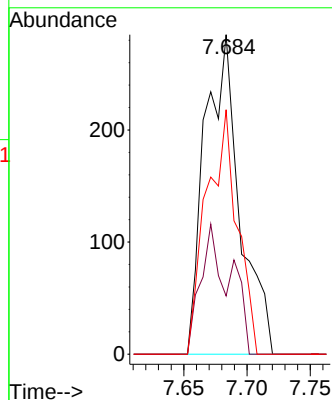
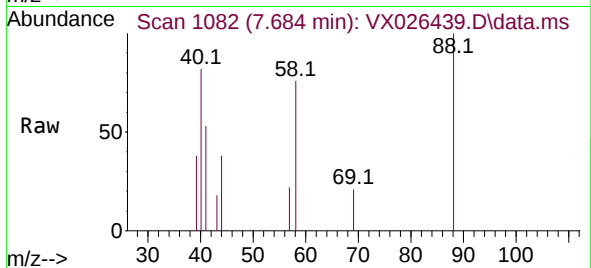
Tgt Ion: 88 Resp: 546

Ion Ratio Lower Upper

88 100

43 34.1 29.9 44.9

58 67.2 57.8 86.6



#50

Toluene-d8

Concen: 49.077 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX026439.D

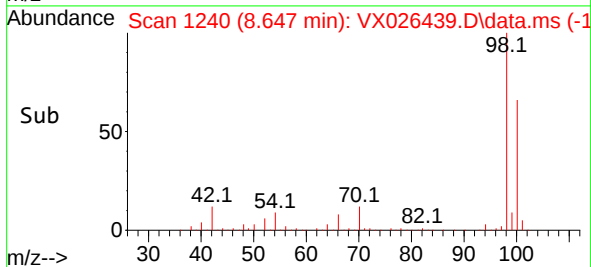
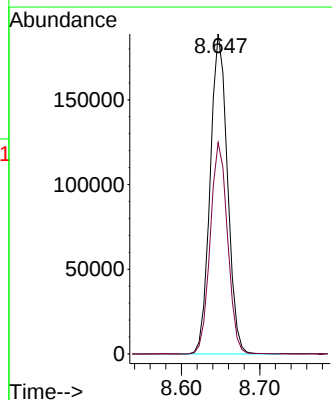
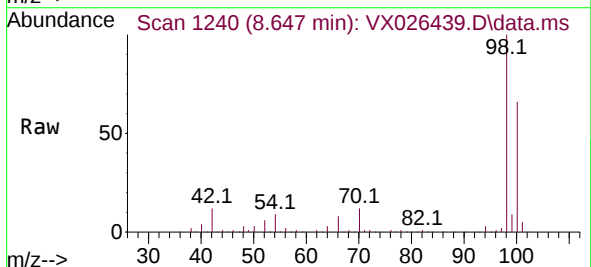
Acq: 12 Jan 2022 17:20

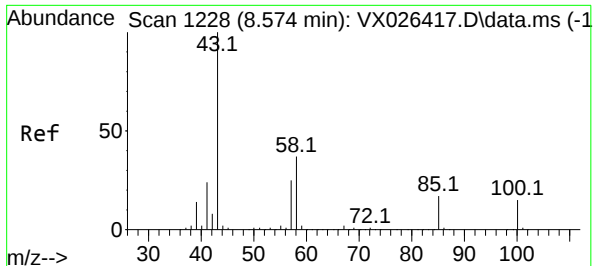
Tgt Ion: 98 Resp: 288728

Ion Ratio Lower Upper

98 100

100 66.3 53.2 79.8

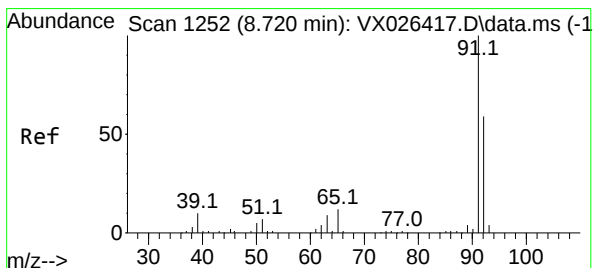
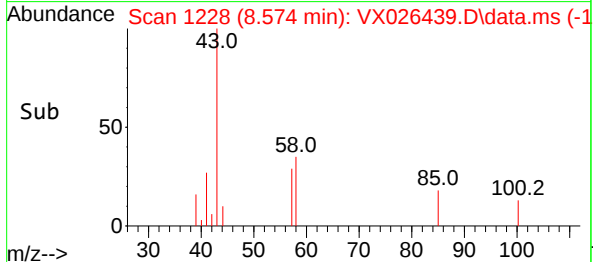
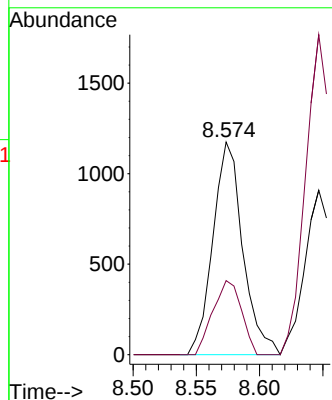
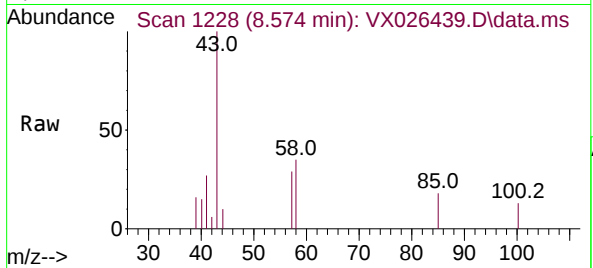




#51
4-Methyl-2-Pentanone
Concen: 0.773 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

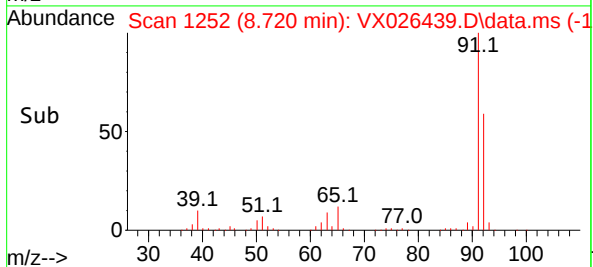
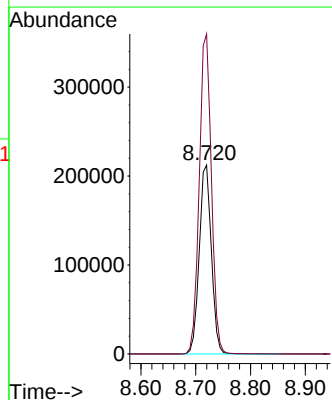
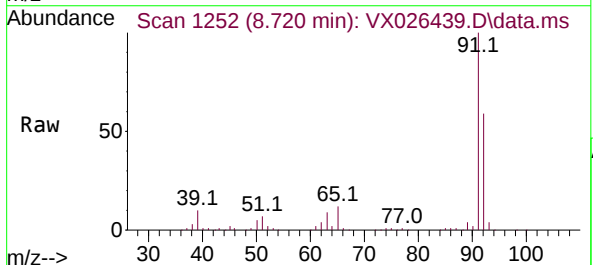
Instrument :
MSVOA_X
ClientSampleId :

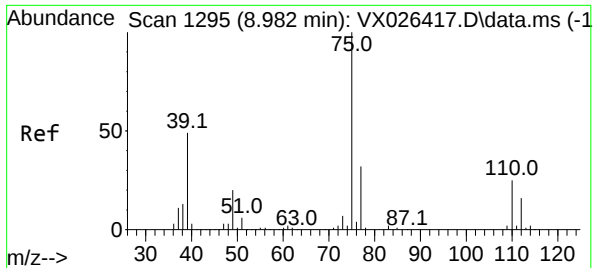
Tgt Ion: 43 Resp: 1931
Ion Ratio Lower Upper
43 100
58 33.1 30.5 45.7



#52
Toluene
Concen: 74.710 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

Tgt Ion: 92 Resp: 326364
Ion Ratio Lower Upper
92 100
91 170.0 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 3.304 ug/l

RT: 8.714 min Scan# 1

Delta R.T. -0.268 min

Lab File: VX026439.D

Acq: 12 Jan 2022 17:20

Instrument :

MSVOA_X

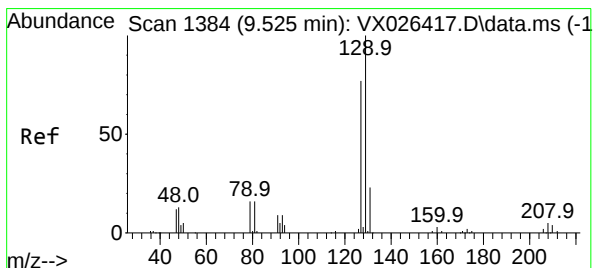
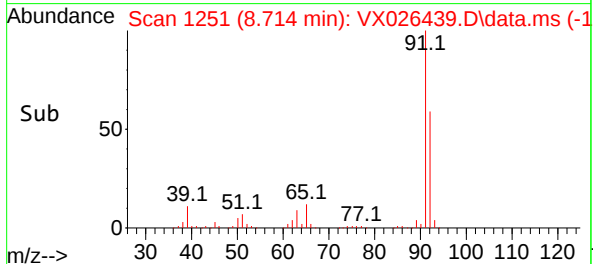
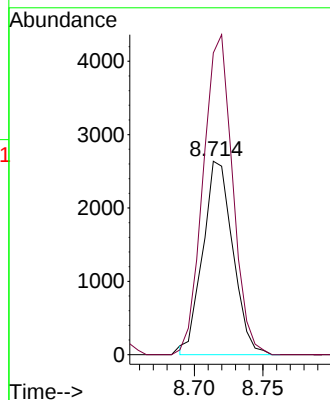
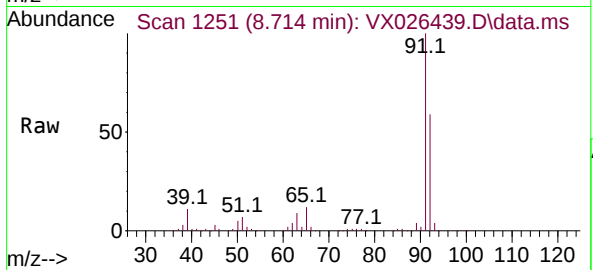
ClientSampleId :

Tgt Ion: 75 Resp: 4008

Ion Ratio Lower Upper

75 100

77 156.0 25.7 38.5#



#60

Dibromochloromethane

Concen: 0.882 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.256 min

Lab File: VX026439.D

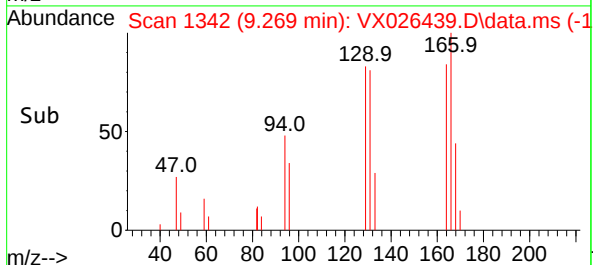
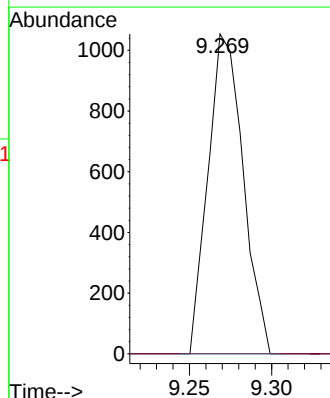
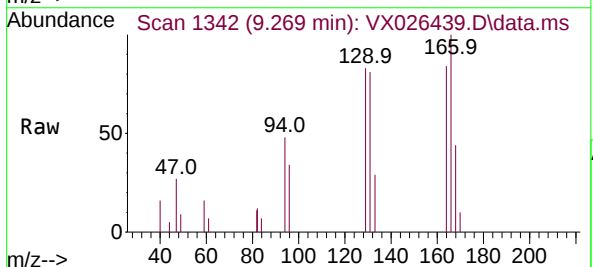
Acq: 12 Jan 2022 17:20

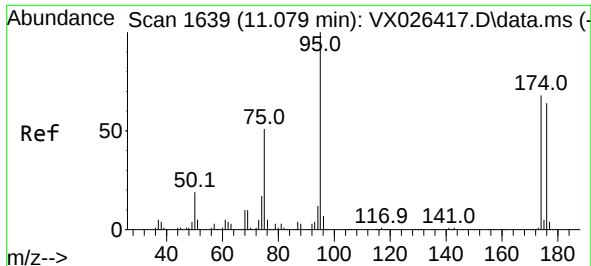
Tgt Ion: 129 Resp: 1566

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

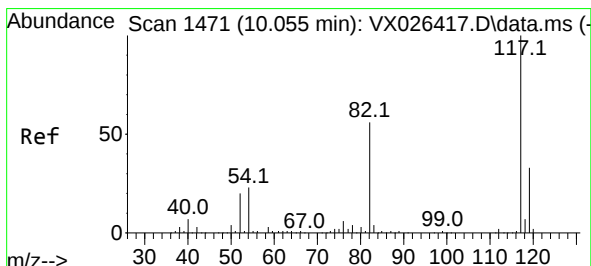
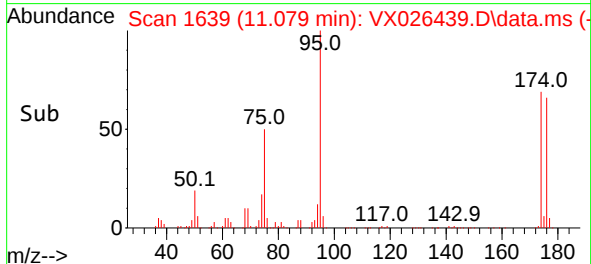
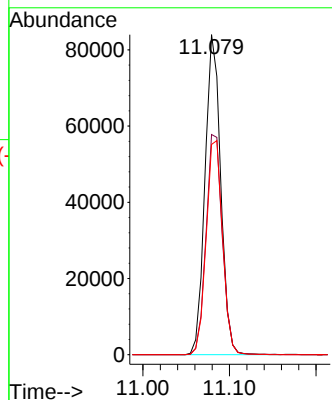
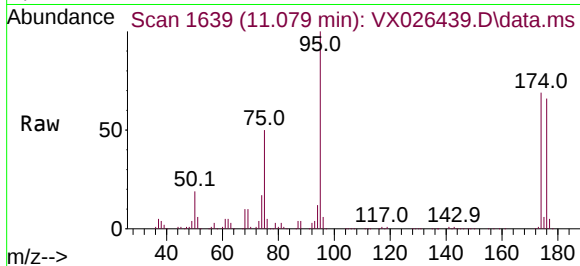




#62
4-Bromofluorobenzene
Concen: 50.547 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

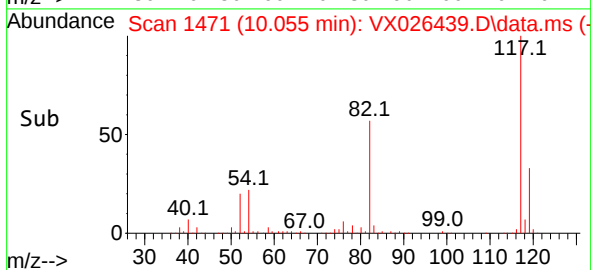
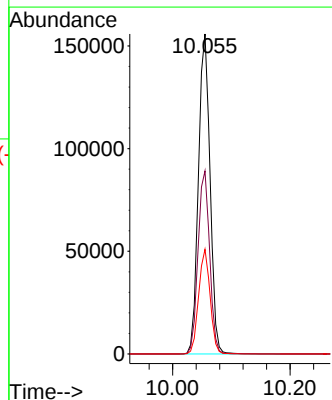
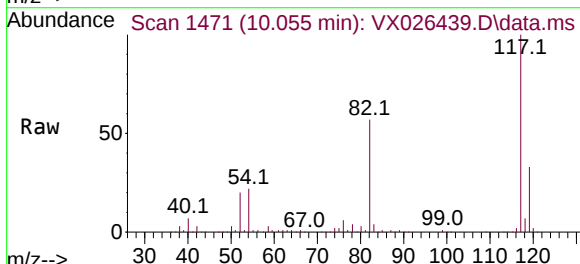
Instrument :
MSVOA_X
ClientSampleId :

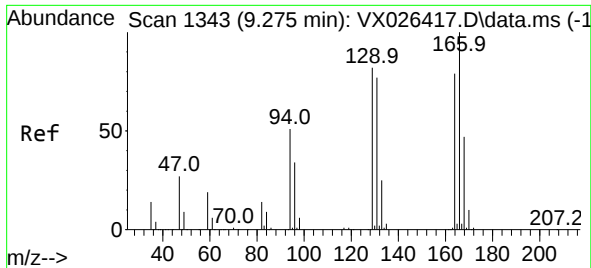
Tgt Ion: 95 Resp: 105639
Ion Ratio Lower Upper
95 100
174 71.5 0.0 148.6
176 69.9 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

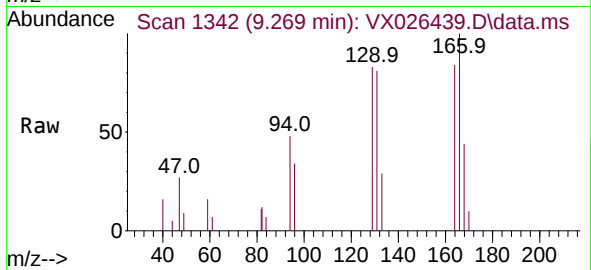
Tgt Ion: 117 Resp: 213945
Ion Ratio Lower Upper
117 100
82 57.2 45.2 67.8
119 32.7 26.2 39.2



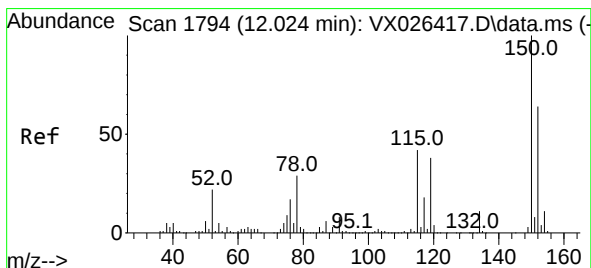
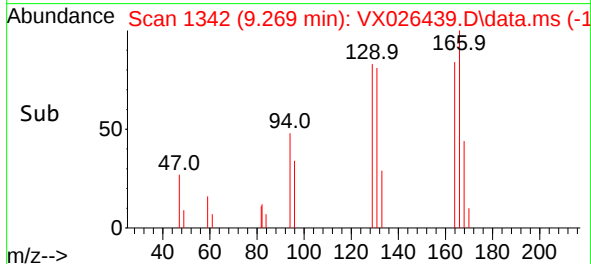
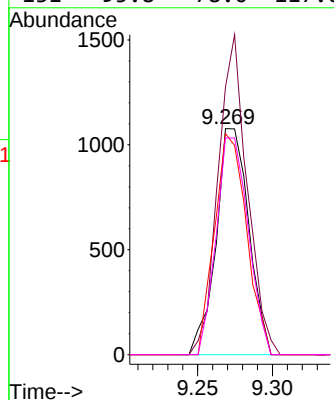


#64
Tetrachloroethene
Concen: 0.812 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

Instrument :
MSVOA_X
ClientSampleId :

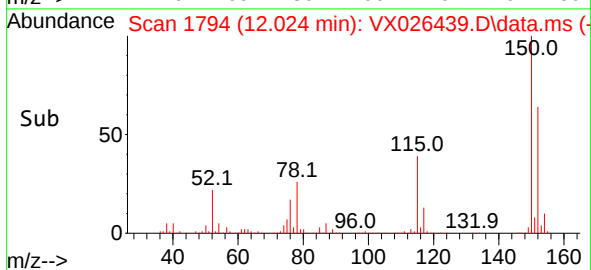
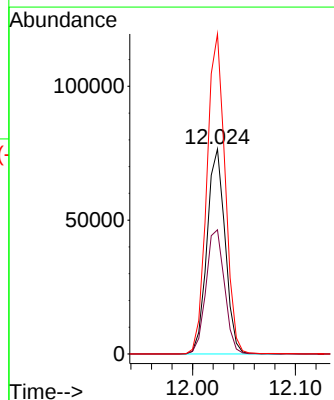
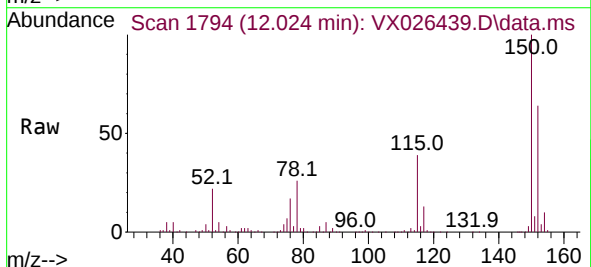


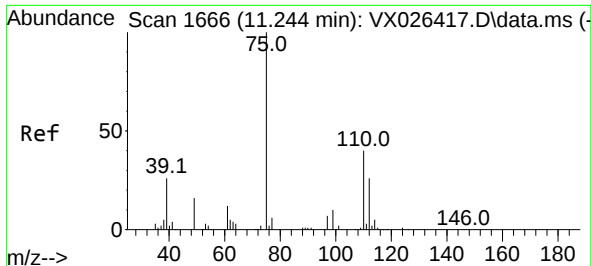
Tgt Ion:164	Resp:	1642
Ion	Ratio	Lower Upper
164	100	
166	118.5	101.8 152.6
129	97.9	83.3 124.9
131	95.8	78.0 117.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

Tgt Ion:152	Resp:	93768
Ion	Ratio	Lower Upper
152	100	
115	62.2	44.2 132.6
150	157.1	0.0 348.2

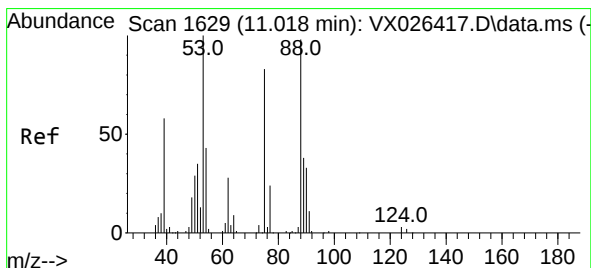
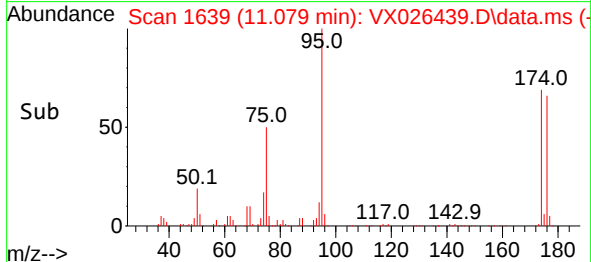
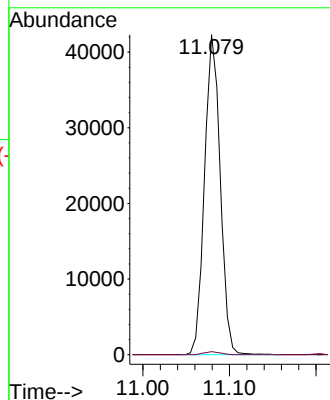
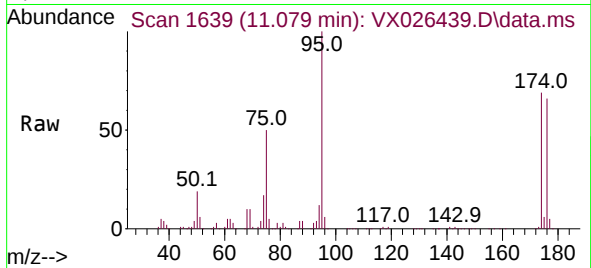




#76
1,2,3-Trichloropropane
Concen: 25.834 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 53336
Ion Ratio Lower Upper
75 100
77 1.0 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.359 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026439.D
Acq: 12 Jan 2022 17:20

Tgt Ion: 75 Resp: 53336
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

