

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011522\
 Data File : VX026467.D
 Acq On : 14 Jan 2022 20:59
 Operator : JC/MD
 Sample : PB142010ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 17 00:42:08 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)

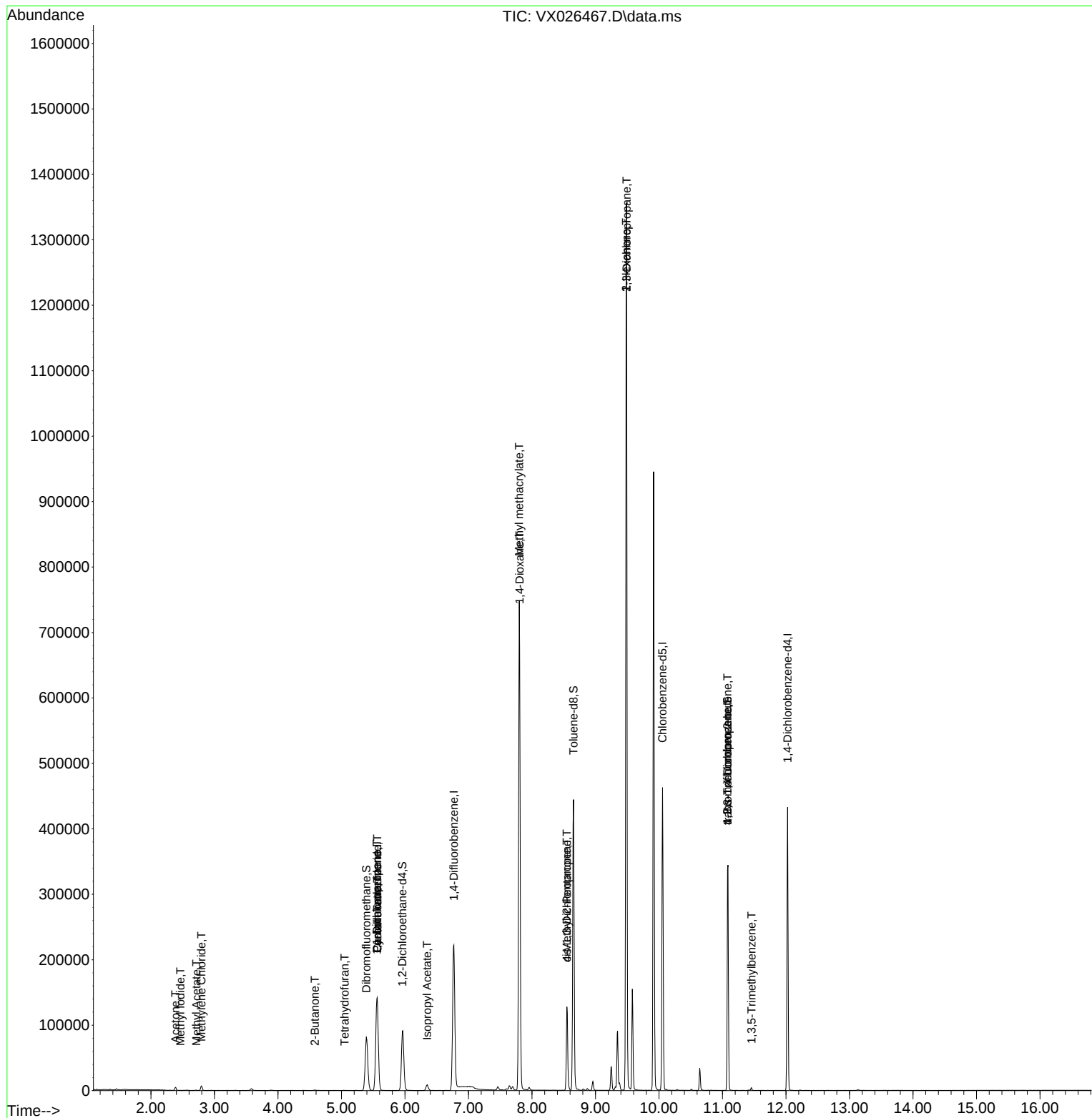
Internal Standards						
1) Pentafluorobenzene	5.562	168	131792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	221071	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92538	50.264	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.520%
35) Dibromofluoromethane	5.391	113	70381	49.300	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.600%
50) Toluene-d8	8.653	98	258375	50.224	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.440%
62) 4-Bromofluorobenzene	11.079	95	95586	52.304	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.600%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	19	4.456	ug/l #	37
16) Acetone	2.386	43	5735	6.108	ug/l	90
18) Methyl Acetate	2.715	43	954	0.511	ug/l #	73
20) Methylene Chloride	2.794	84	3108	2.004	ug/l #	94
25) 2-Butanone	4.581	43	1185	0.971	ug/l	90
29) Tetrahydrofuran	5.050	42	253	0.349	ug/l #	41
31) Cyclohexane	5.562	56	2887	1.063	ug/l #	3
36) 1,1-Dichloropropene	5.556	75	10711	4.753	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14218	6.133	ug/l #	16
43) Isopropyl Acetate	6.349	43	12317	3.345	ug/l	99
48) Methyl methacrylate	7.799	41	64116	35.132	ug/l #	45
49) 1,4-Dioxane	7.806	88	109	3.639	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	44872	20.543	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	19886	8.360	ug/l #	56
57) 1,3-Dichloropropane	9.488	76	11632	4.501	ug/l #	43
59) 2-Hexanone	9.482	43	172058	102.918	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	48923	25.843	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.457	105	1944	0.335	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	48923	78.385	ug/l #	3

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

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Quant Time: Jan 17 00:42:08 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

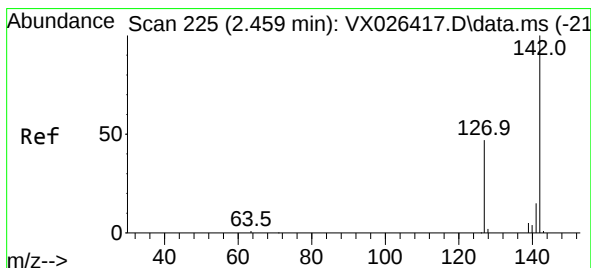
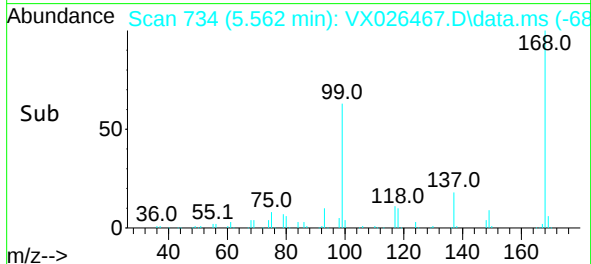
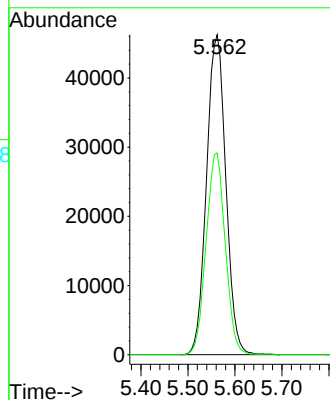
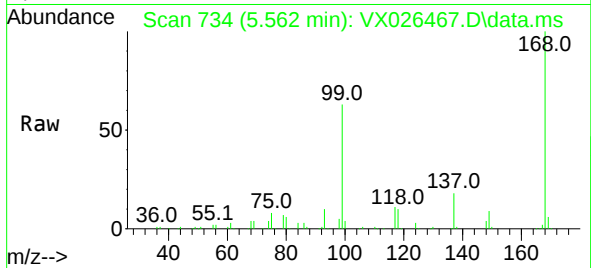




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026467.D
Acq: 14 Jan 2022 20:59

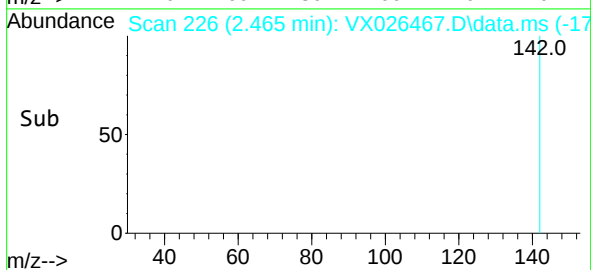
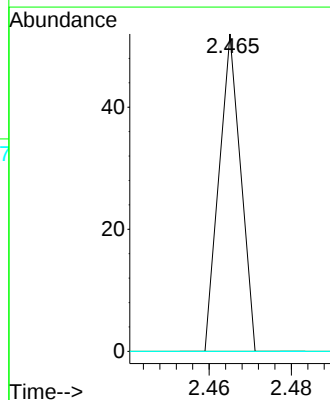
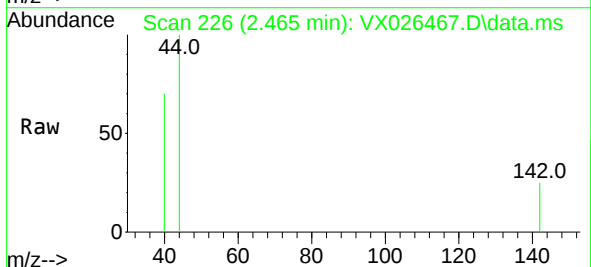
Instrument :
MSVOA_X
ClientSampleId :

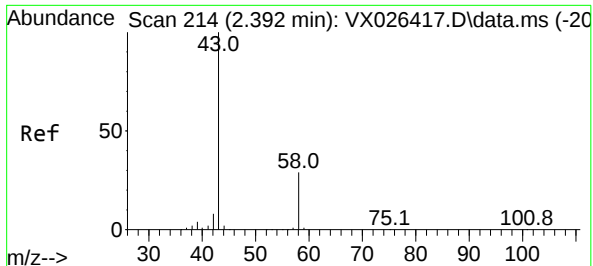
Tgt Ion:168 Resp: 131792
Ion Ratio Lower Upper
168 100
99 63.0 50.3 75.5



#10
Methyl Iodide
Concen: 4.456 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX026467.D
Acq: 14 Jan 2022 20:59

Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#

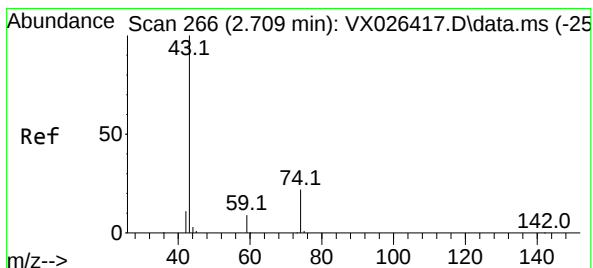
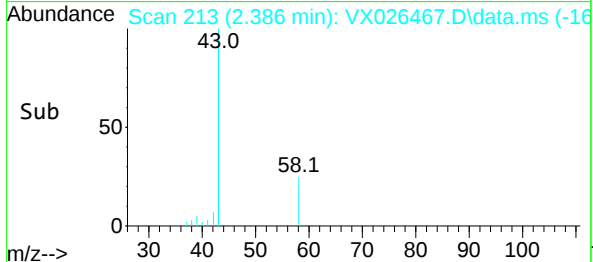
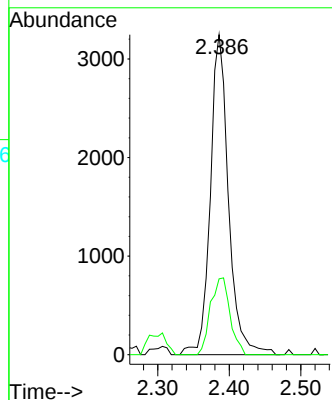
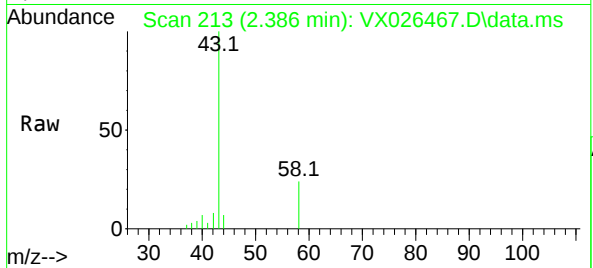




#16
Acetone
Concen: 6.108 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX026467.D
Acq: 14 Jan 2022 20:59

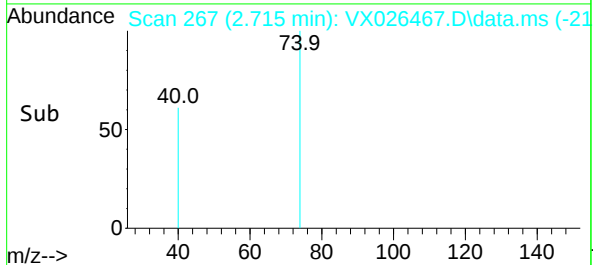
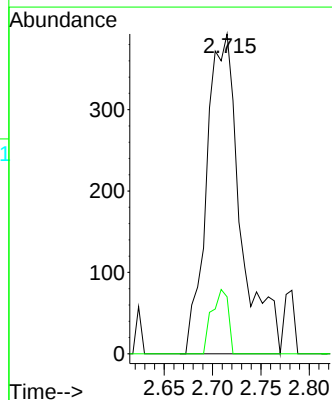
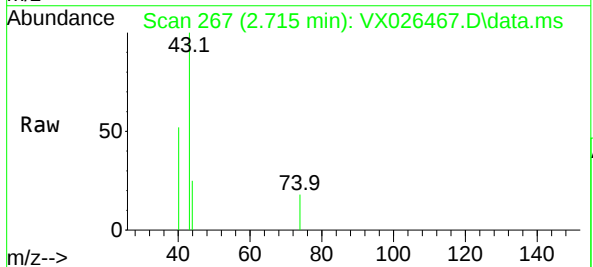
Instrument :
MSVOA_X
ClientSampleId :

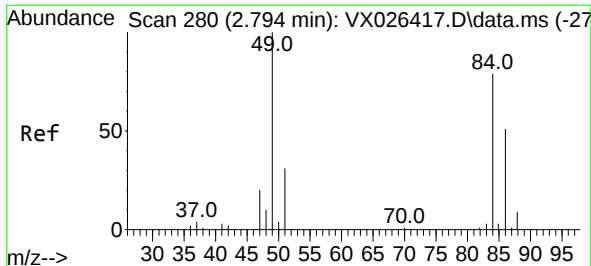
Tgt Ion: 43 Resp: 5735
Ion Ratio Lower Upper
43 100
58 23.7 23.0 34.6



#18
Methyl Acetate
Concen: 0.511 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX026467.D
Acq: 14 Jan 2022 20:59

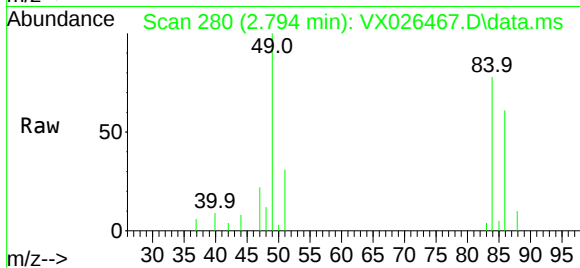
Tgt Ion: 43 Resp: 954
Ion Ratio Lower Upper
43 100
74 9.7 18.3 27.5#



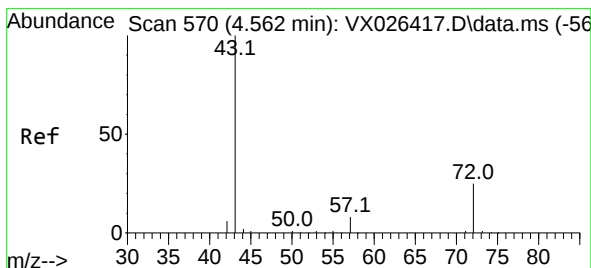
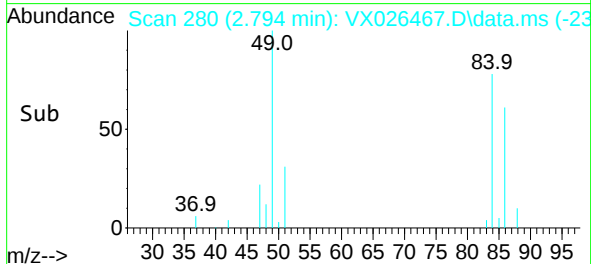
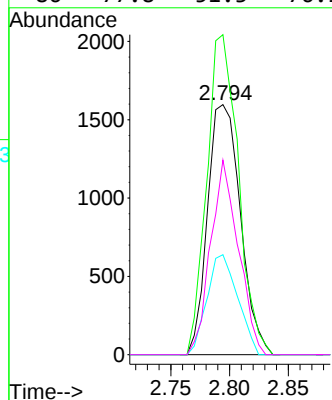


#20
Methylene Chloride
Concen: 2.004 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026467.D
Acq: 14 Jan 2022 20:59

Instrument :
MSVOA_X
ClientSampleId :

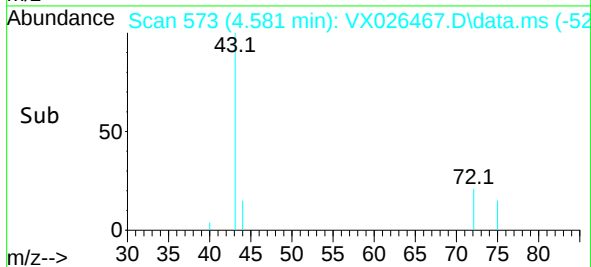
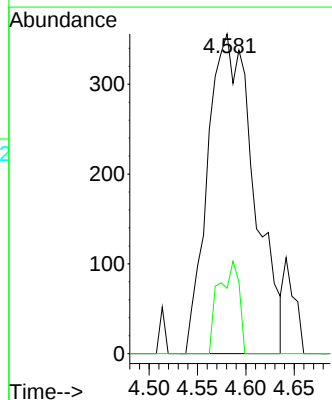
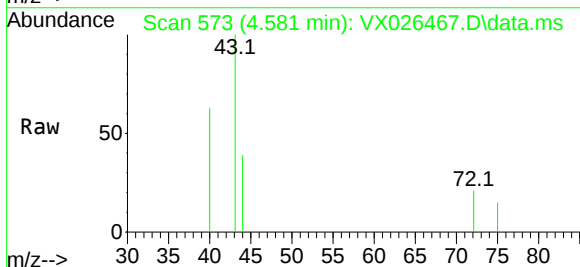


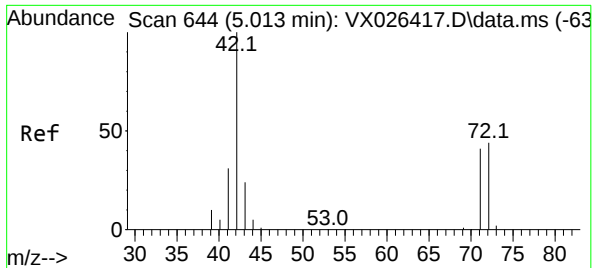
Tgt Ion:	84	Resp:	3108
Ion	Ratio	Lower	Upper
84	100		
49	127.9	101.5	152.3
51	40.0	31.2	46.8
86	77.8	51.3	76.9



#25
2-Butanone
Concen: 0.971 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX026467.D
Acq: 14 Jan 2022 20:59

Tgt Ion:	43	Resp:	1185
Ion	Ratio	Lower	Upper
43	100		
72	20.5	20.4	30.6





#29

Tetrahydrofuran

Concen: 0.349 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.037 min

Lab File: VX026467.D

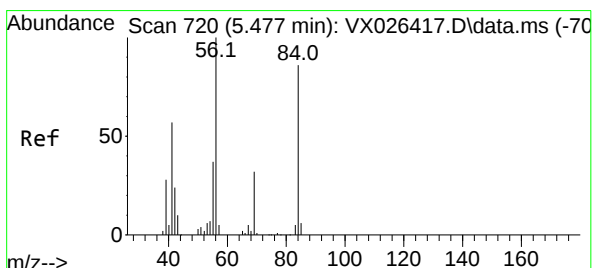
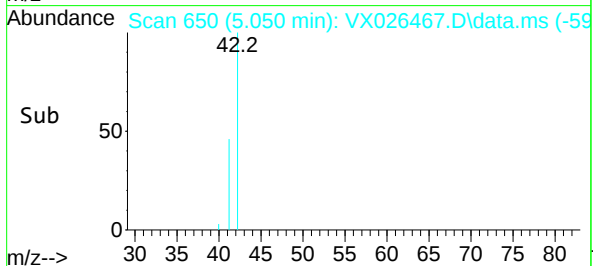
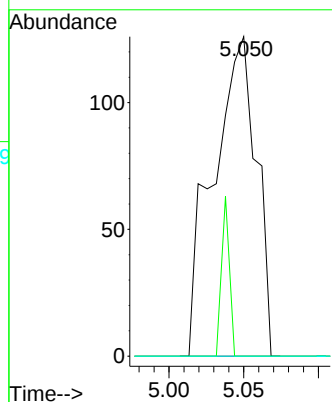
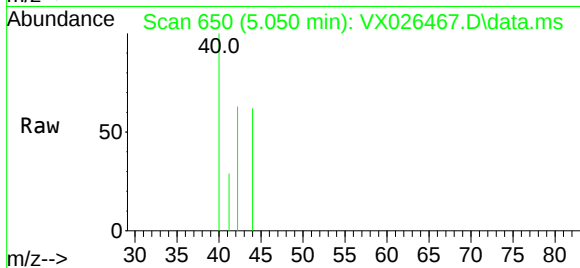
Acq: 14 Jan 2022 20:59

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 42	Resp: 253
Ion Ratio	Lower Upper
42	100
72	9.1 34.6 52.0#
71	0.0 31.8 47.8#



#31

Cyclohexane

Concen: 1.063 ug/l

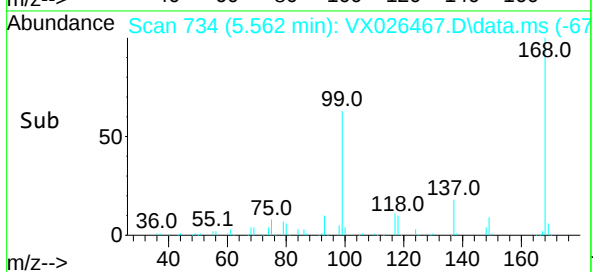
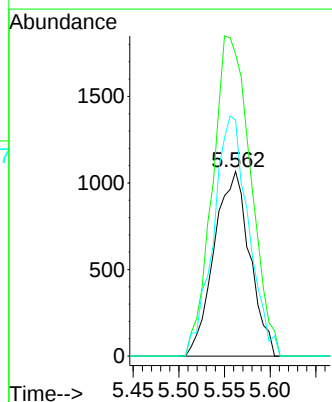
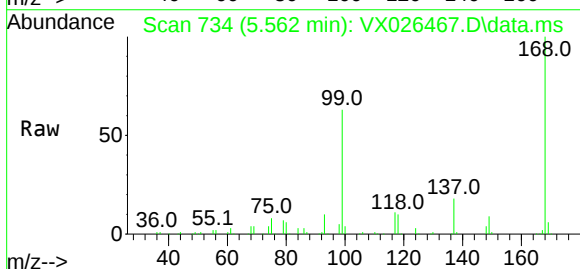
RT: 5.562 min Scan# 734

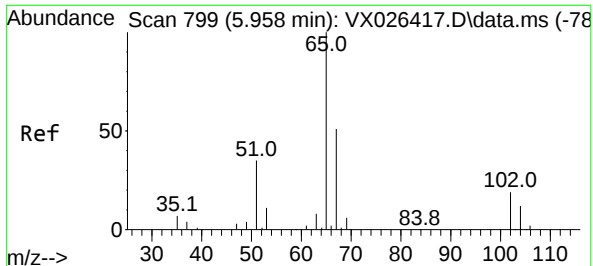
Delta R.T. 0.086 min

Lab File: VX026467.D

Acq: 14 Jan 2022 20:59

Tgt Ion: 56	Resp: 2887
Ion Ratio	Lower Upper
56	100
69	163.6 25.8 38.6#
84	128.0 68.9 103.3#

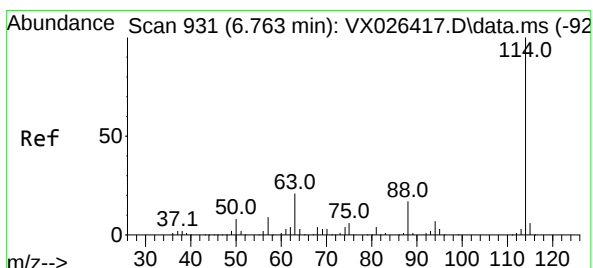
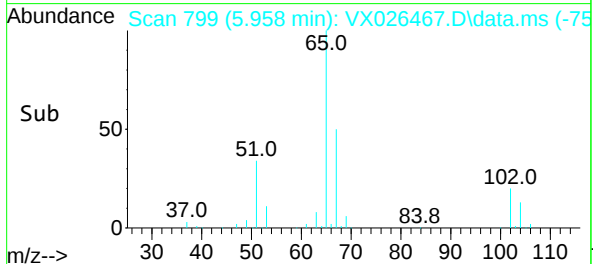
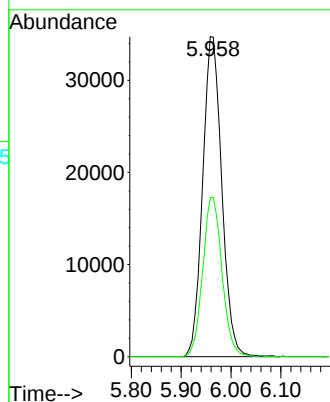
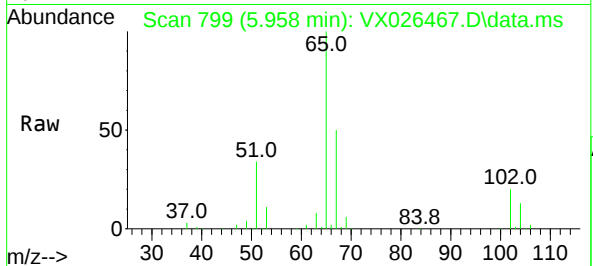




#33
 1,2-Dichloroethane-d4
 Concen: 50.264 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX026467.D
 Acq: 14 Jan 2022 20:59

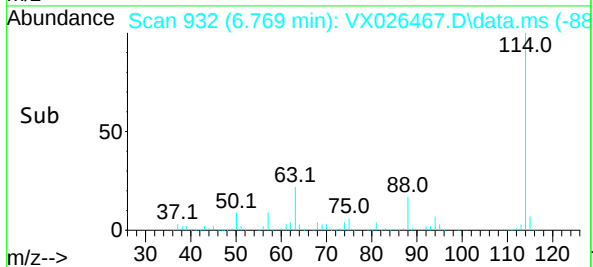
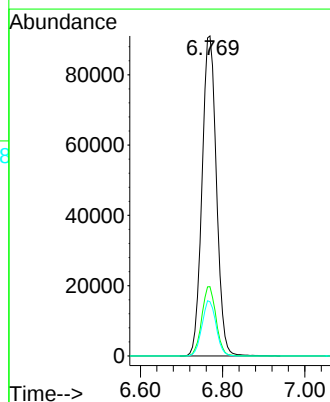
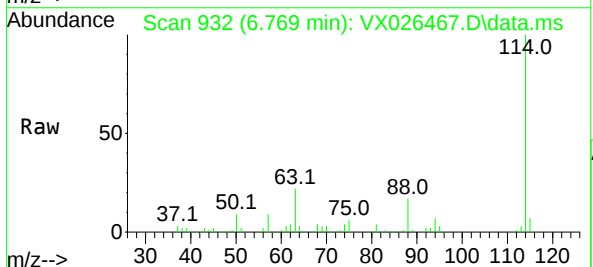
Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 65 Resp: 92538
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.006 min
 Lab File: VX026467.D
 Acq: 14 Jan 2022 20:59

Tgt Ion: 114 Resp: 221071
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.8
 88 16.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.300 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

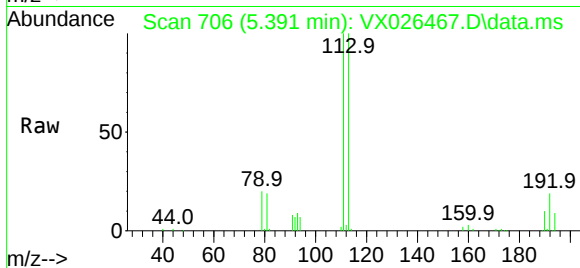
Lab File: VX026467.D

Acq: 14 Jan 2022 20:59

Instrument :

MSVOA_X

ClientSampleId :



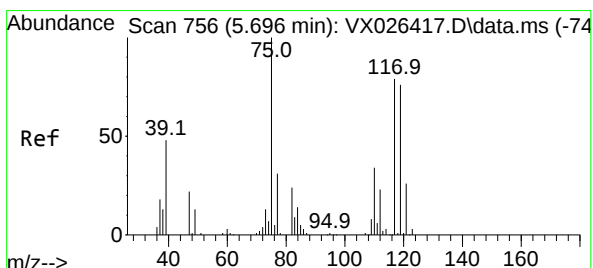
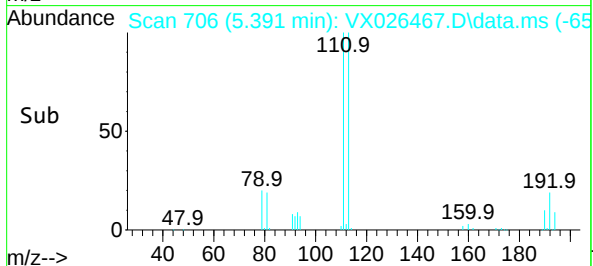
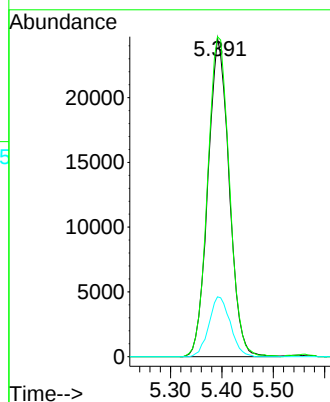
Tgt Ion:113 Resp: 70381

Ion Ratio Lower Upper

113 100

111 103.0 81.2 121.8

192 18.9 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.753 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026467.D

Acq: 14 Jan 2022 20:59

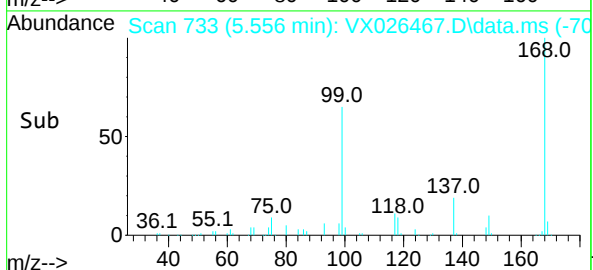
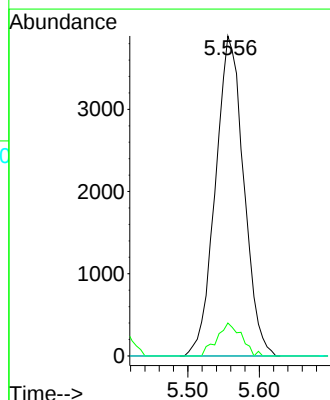
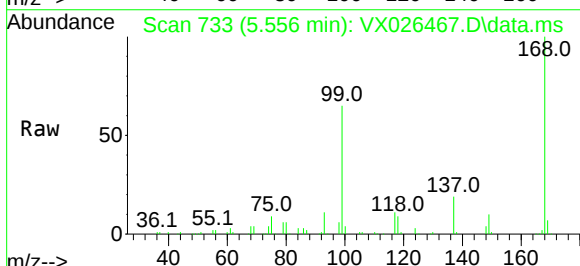
Tgt Ion: 75 Resp: 10711

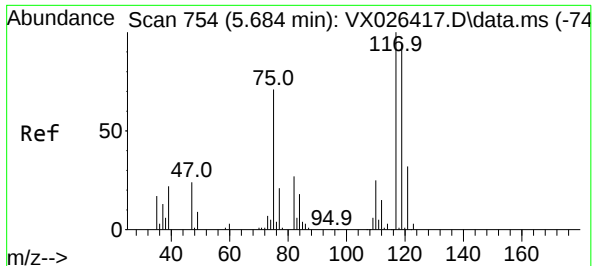
Ion Ratio Lower Upper

75 100

110 8.9 17.2 51.6#

77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.133 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.122 min

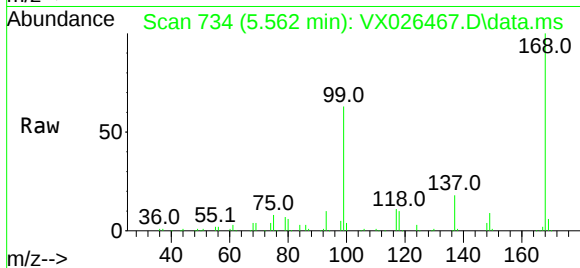
Lab File: VX026467.D

Acq: 14 Jan 2022 20:59

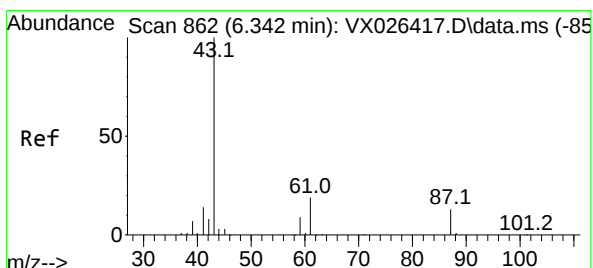
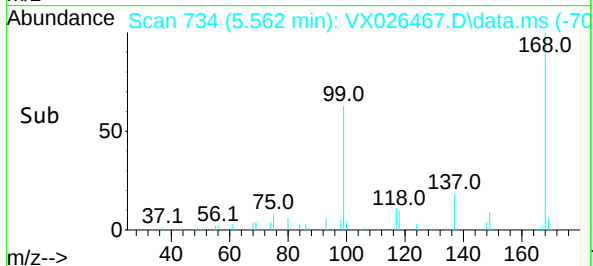
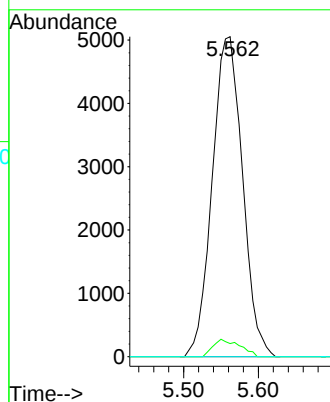
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	117	Resp:	14218
Ion	Ratio	Lower	Upper
117	100		
119	4.1	74.7	112.1#
121	0.0	25.4	38.0#



#43

Isopropyl Acetate

Concen: 3.345 ug/l

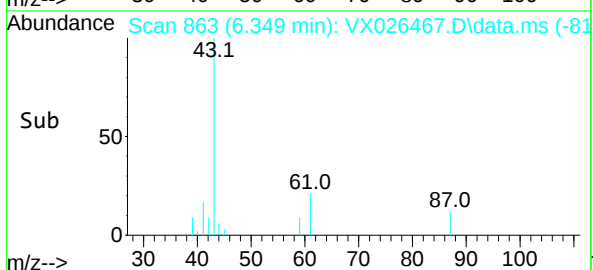
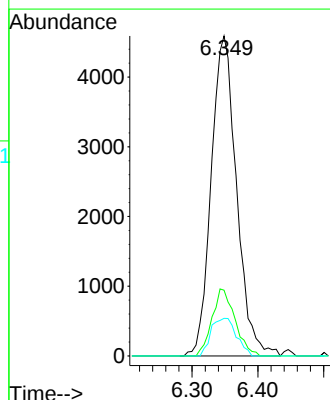
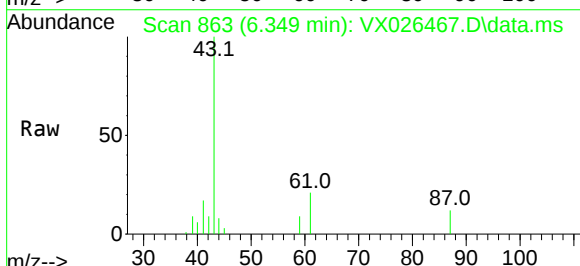
RT: 6.349 min Scan# 863

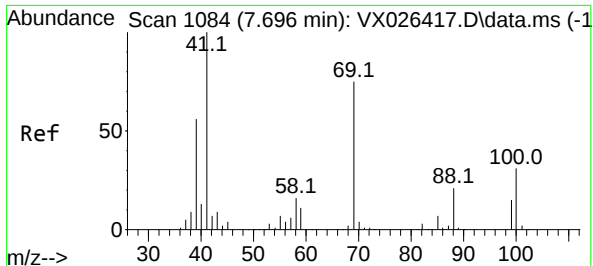
Delta R.T. 0.006 min

Lab File: VX026467.D

Acq: 14 Jan 2022 20:59

Tgt Ion:	43	Resp:	12317
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	11.7	10.2	15.2





#48

Methyl methacrylate

Concen: 35.132 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

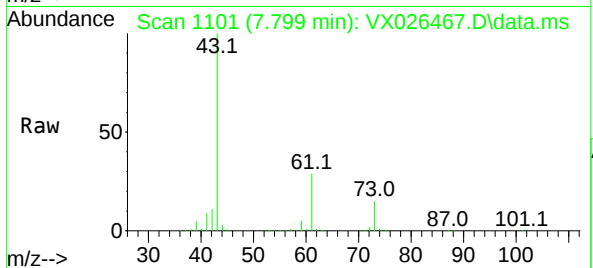
Lab File: VX026467.D

Acq: 14 Jan 2022 20:59

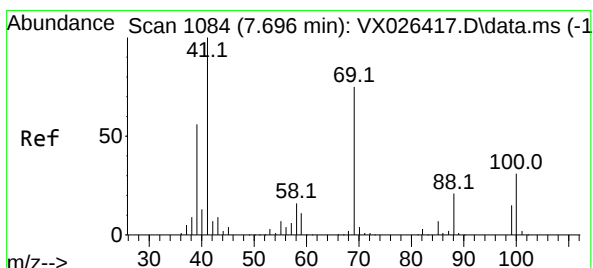
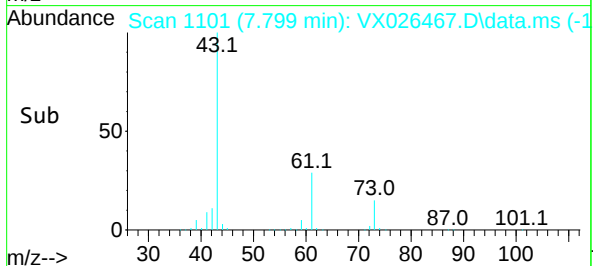
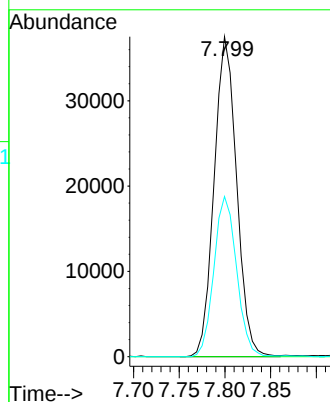
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	41	Resp:	64116
Ion Ratio	Lower	Upper	
41	100		
69	0.0	62.2	93.4#
39	50.6	45.4	68.0



#49

1,4-Dioxane

Concen: 3.639 ug/l

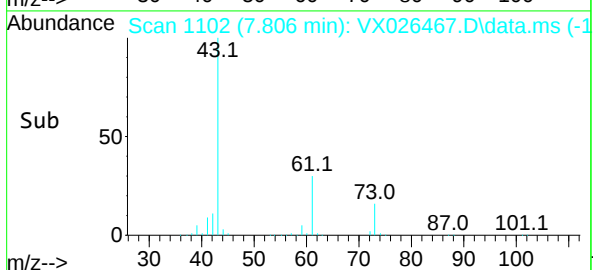
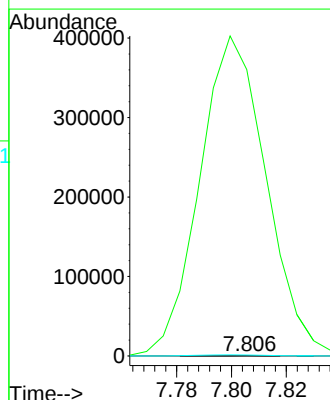
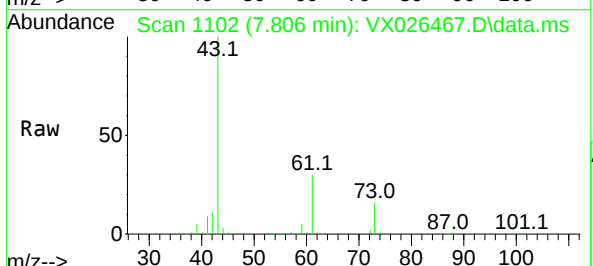
RT: 7.806 min Scan# 1102

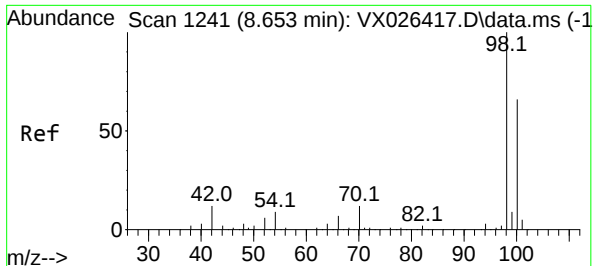
Delta R.T. 0.110 min

Lab File: VX026467.D

Acq: 14 Jan 2022 20:59

Tgt Ion:	88	Resp:	109
Ion Ratio	Lower	Upper	
88	100		
43	628278.0	29.9	44.9#
58	2383.5	57.8	86.6#

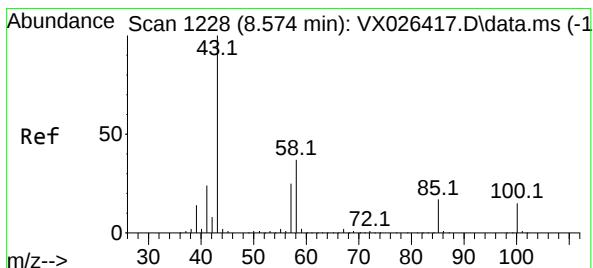
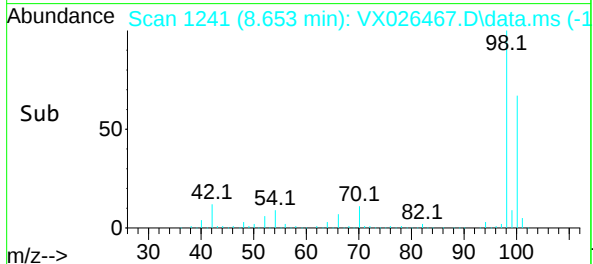
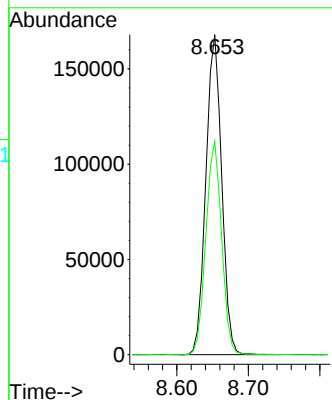
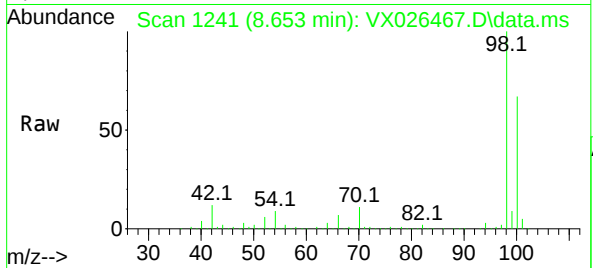




#50
Toluene-d8
Concen: 50.224 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026467.D
Acq: 14 Jan 2022 20:59

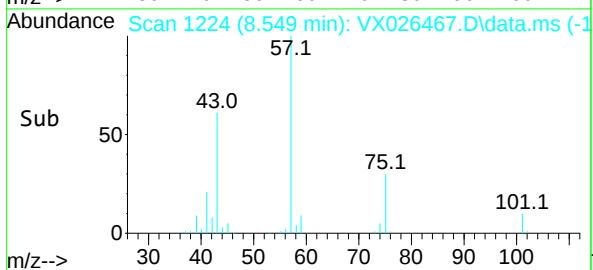
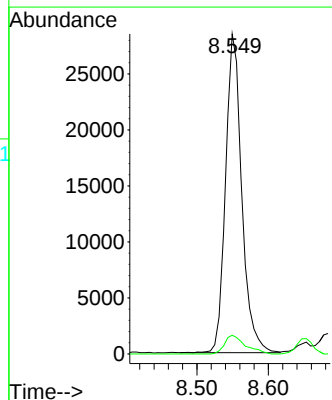
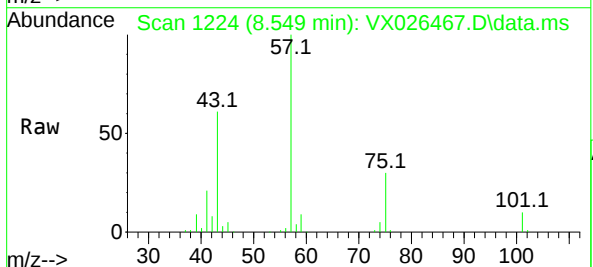
Instrument :
MSVOA_X
ClientSampleId :

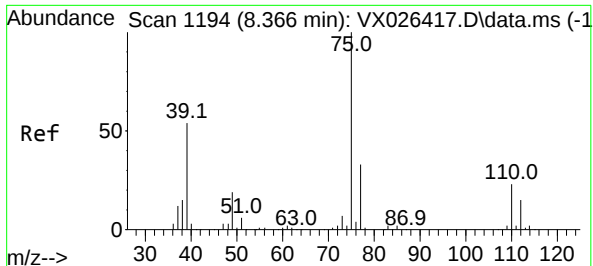
Tgt Ion: 98 Resp: 258375
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 20.543 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026467.D
Acq: 14 Jan 2022 20:59

Tgt Ion: 43 Resp: 44872
Ion Ratio Lower Upper
43 100
58 7.5 30.5 45.7#

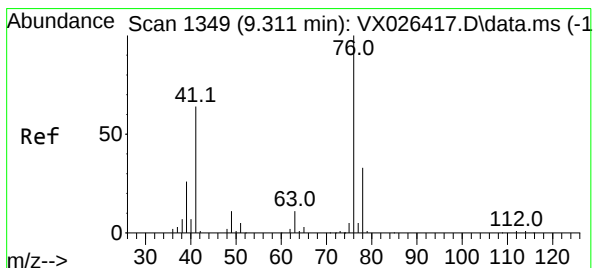
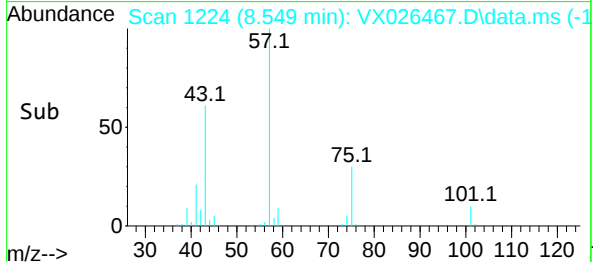
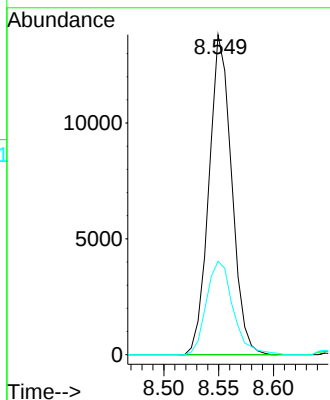
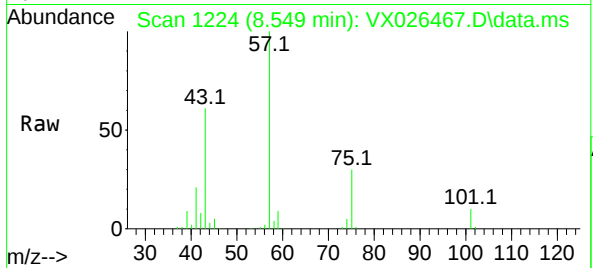




#54
 cis-1,3-Dichloropropene
 Concen: 8.360 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026467.D
 Acq: 14 Jan 2022 20:59

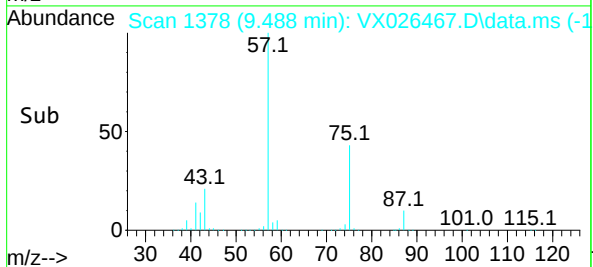
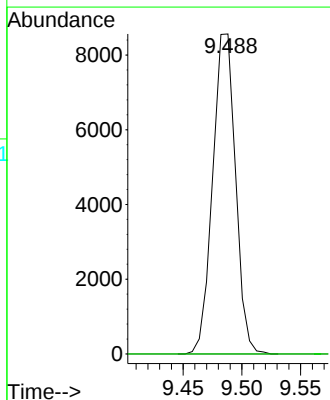
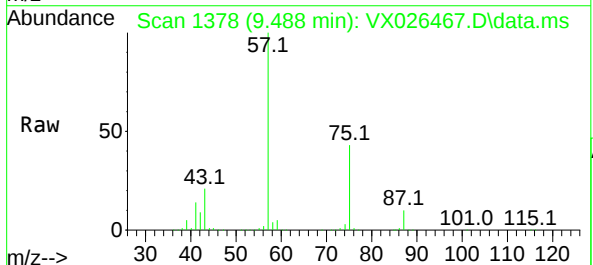
Instrument :
 MSVOA_X
 ClientSampleId :

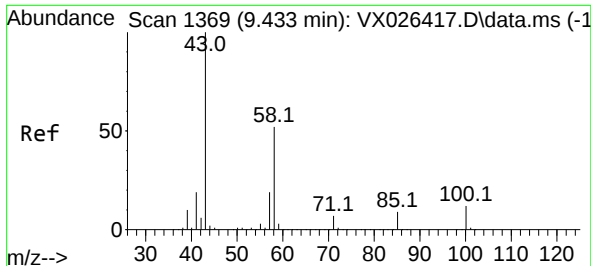
Tgt Ion: 75 Resp: 19886
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.2#
 39 29.2 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 4.501 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX026467.D
 Acq: 14 Jan 2022 20:59

Tgt Ion: 76 Resp: 11632
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 102.918 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX026467.D

Acq: 14 Jan 2022 20:59

Instrument :

MSVOA_X

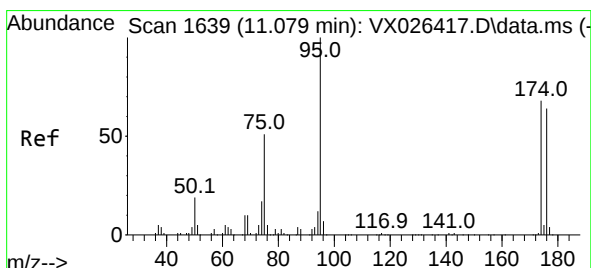
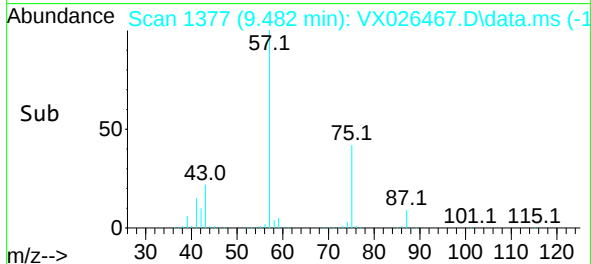
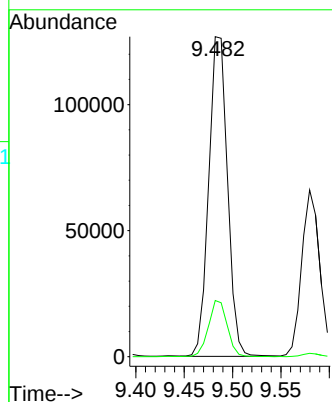
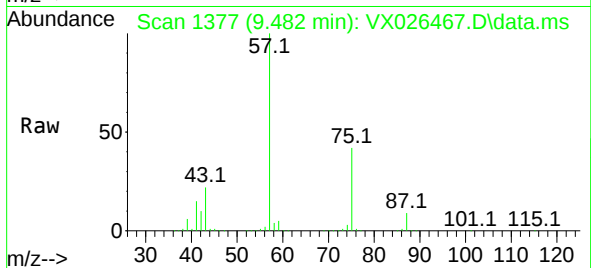
ClientSampleId :

Tgt Ion: 43 Resp: 172058

Ion Ratio Lower Upper

43 100

58 17.6 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 52.304 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026467.D

Acq: 14 Jan 2022 20:59

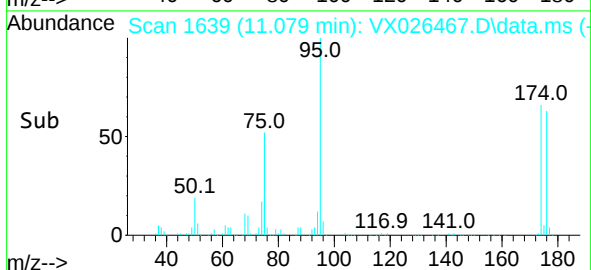
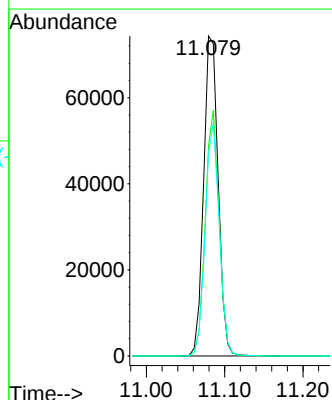
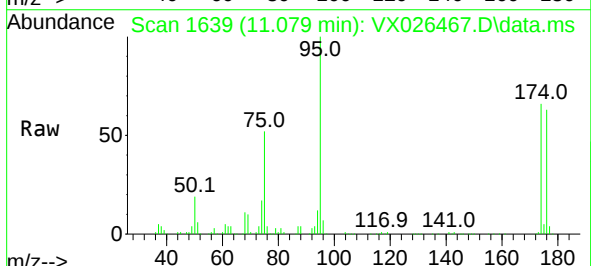
Tgt Ion: 95 Resp: 95586

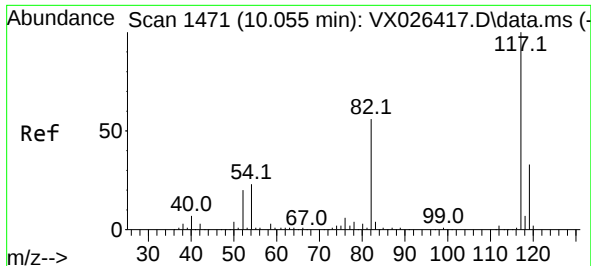
Ion Ratio Lower Upper

95 100

174 73.6 0.0 148.6

176 70.6 0.0 141.4

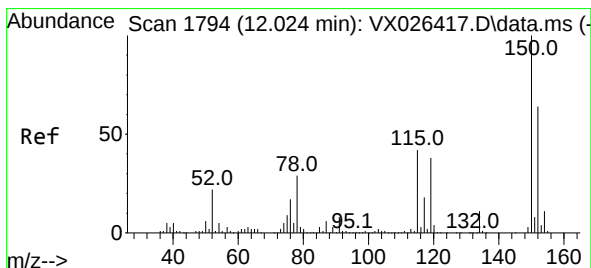
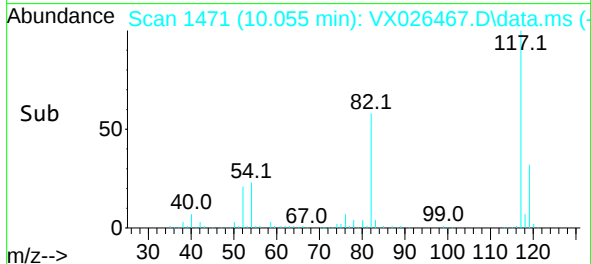
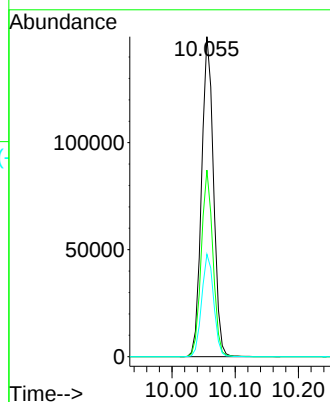
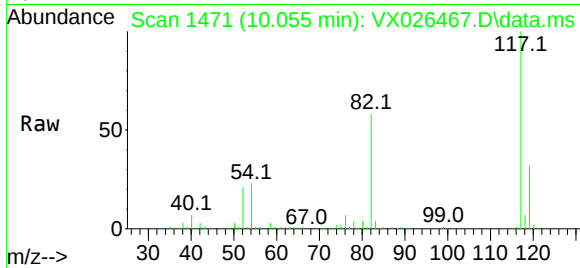




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026467.D
Acq: 14 Jan 2022 20:59

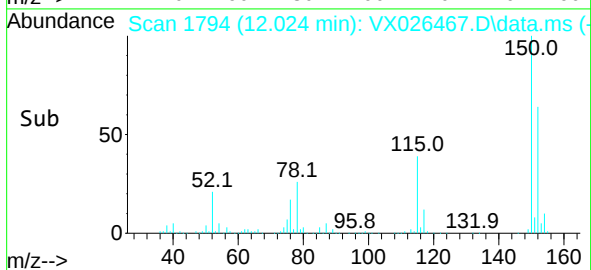
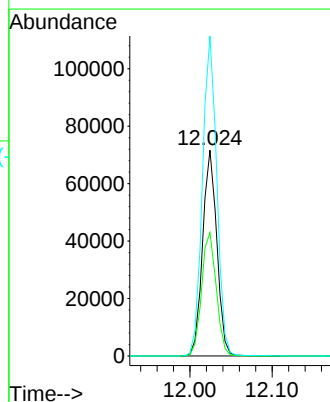
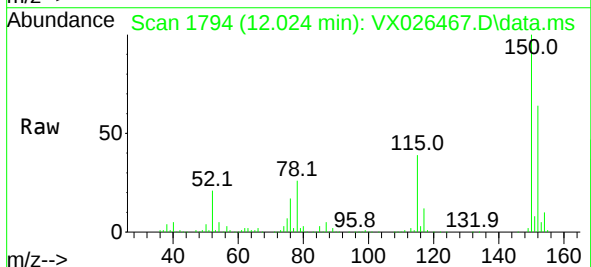
Instrument :
MSVOA_X
ClientSampleId :

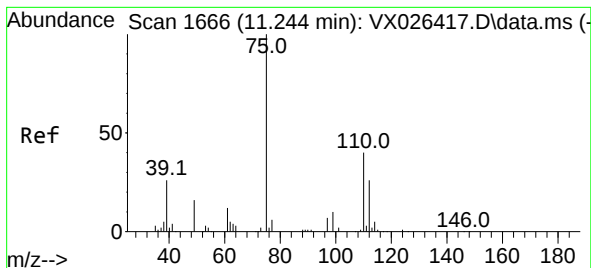
Tgt Ion:117 Resp: 196727
Ion Ratio Lower Upper
117 100
82 58.3 45.2 67.8
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026467.D
Acq: 14 Jan 2022 20:59

Tgt Ion:152 Resp: 85979
Ion Ratio Lower Upper
152 100
115 61.5 44.2 132.6
150 156.6 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 25.843 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.164 min

Lab File: VX026467.D

Acq: 14 Jan 2022 20:59

Instrument :

MSVOA_X

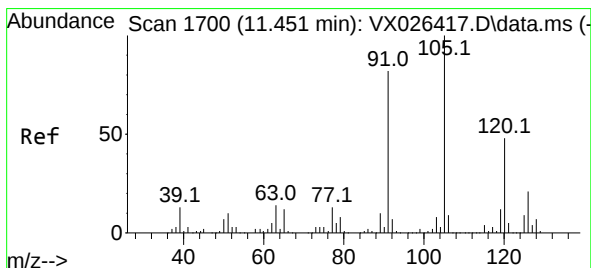
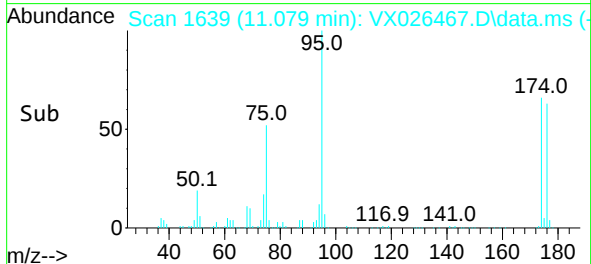
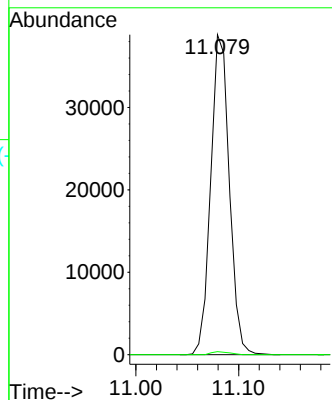
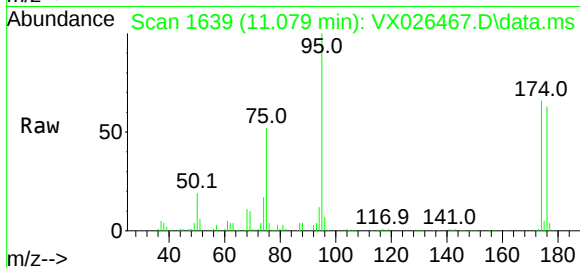
ClientSampleId :

Tgt Ion: 75 Resp: 48923

Ion Ratio Lower Upper

75 100

77 0.9 18.3 54.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.335 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX026467.D

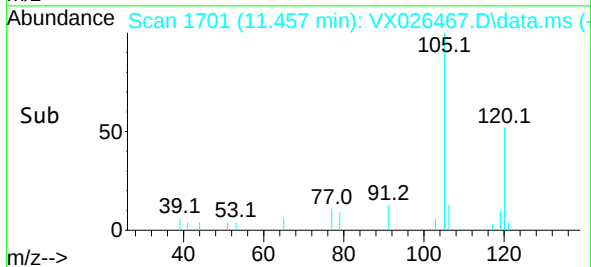
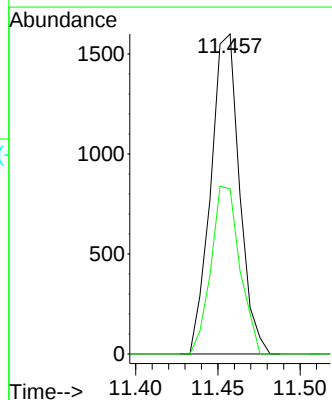
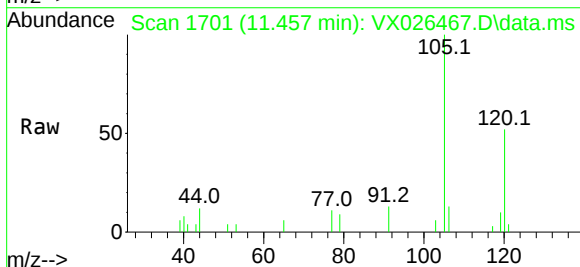
Acq: 14 Jan 2022 20:59

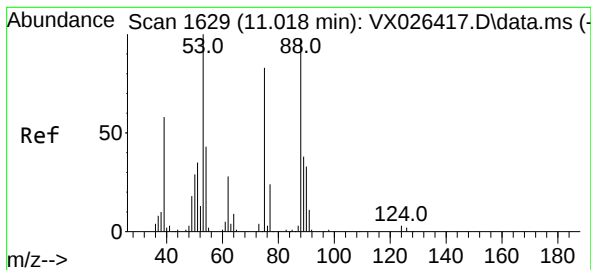
Tgt Ion: 105 Resp: 1944

Ion Ratio Lower Upper

105 100

120 52.5 24.0 72.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.385 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026467.D
 Acq: 14 Jan 2022 20:59

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 48923
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

