

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032122\
 Data File : VX027596.D
 Acq On : 21 Mar 2022 19:11
 Operator : JC/MD
 Sample : N2000-02DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D4-20220315DL

Quant Time: Mar 22 05:49:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

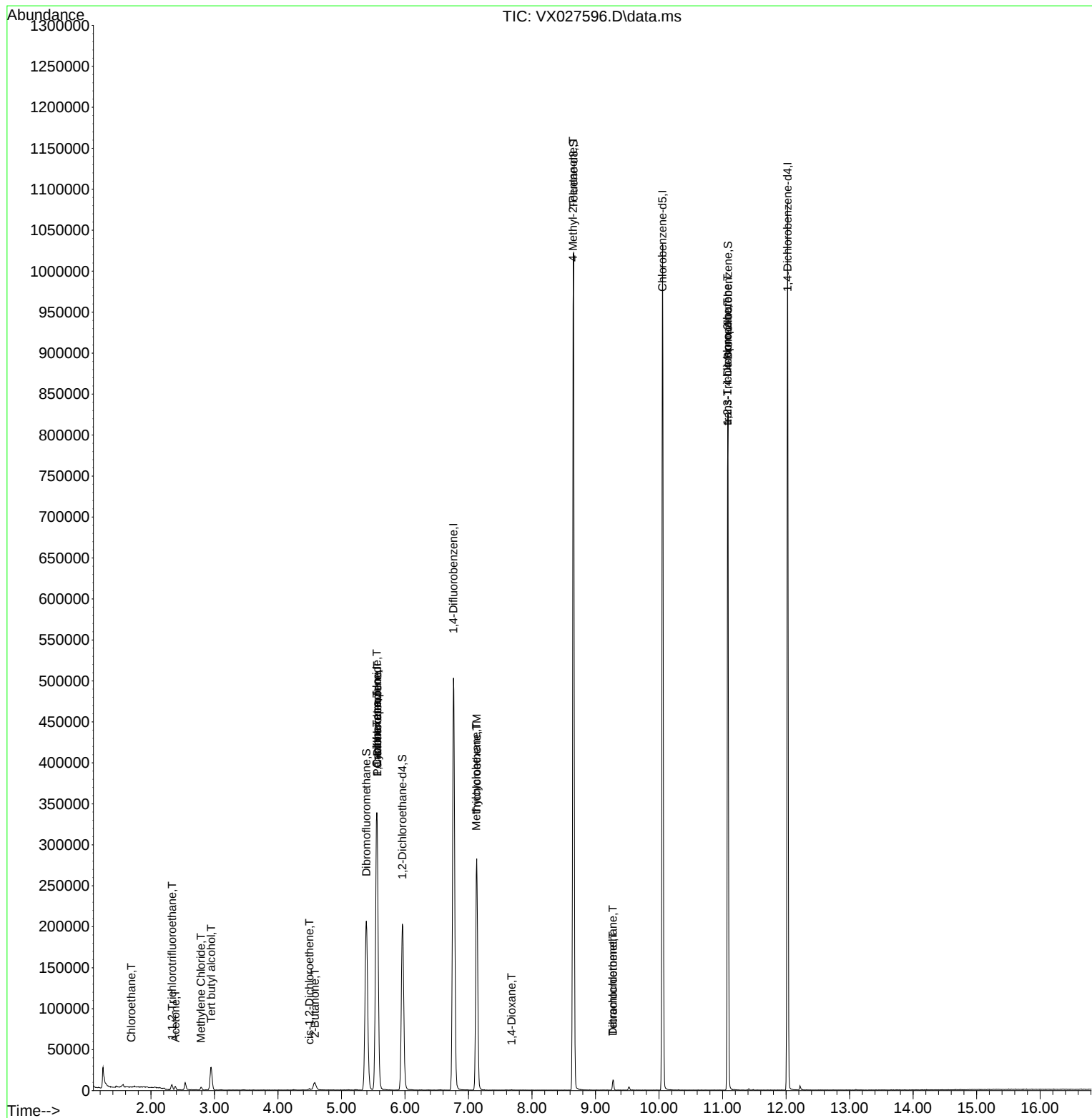
Internal Standards						
1) Pentafluorobenzene	5.562	168	345918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	562338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	513163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	235972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	200052	46.946	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.900%
35) Dibromofluoromethane	5.391	113	187180	51.736	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.480%
50) Toluene-d8	8.653	98	648450	47.364	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.720%
62) 4-Bromofluorobenzene	11.085	95	225228	44.758	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.520%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	508	Below Cal		91
6) Chloroethane	1.691	64	910	0.435 ug/l	#	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	2471	0.738 ug/l		97
11) Tert butyl alcohol	2.946	59	16281	20.047 ug/l	#	75
16) Acetone	2.386	43	4248	2.446 ug/l		96
20) Methylene Chloride	2.788	84	1831	0.490 ug/l		91
25) 2-Butanone	4.580	43	635	0.243 ug/l	#	44
27) cis-1,2-Dichloroethene	4.495	96	1178	0.296 ug/l		84
31) Cyclohexane	5.556	56	5582	1.055 ug/l	#	4
36) 1,1-Dichloropropene	5.562	75	24041	4.862 ug/l	#	50
38) Carbon Tetrachloride	5.556	117	33456	5.915 ug/l	#	15
39) Methylcyclohexane	7.123	83	1276	0.205 ug/l	#	1
44) Trichloroethene	7.129	130	121761	28.277 ug/l		99
49) 1,4-Dioxane	7.677	88	457	4.534 ug/l	#	74
51) 4-Methyl-2-Pentanone	8.647	43	1923	0.380 ug/l	#	1
60) Dibromochloromethane	9.275	129	2564	0.602 ug/l	#	9
64) Tetrachloroethene	9.275	164	2789	0.699 ug/l		91
76) 1,2,3-Trichloropropane	11.079	75	100894	20.442 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	100894	62.082 ug/l	#	15

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

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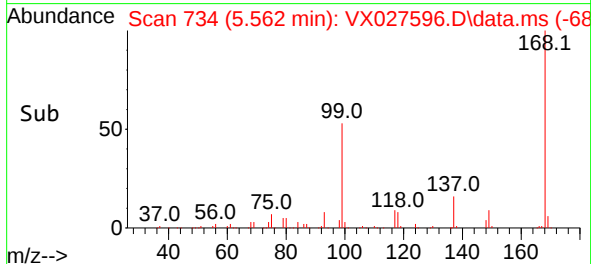
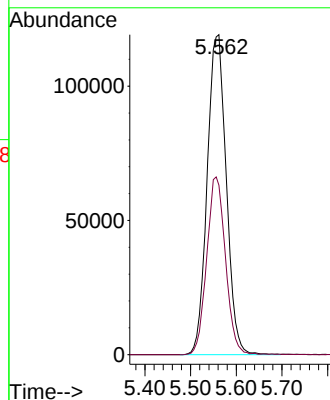
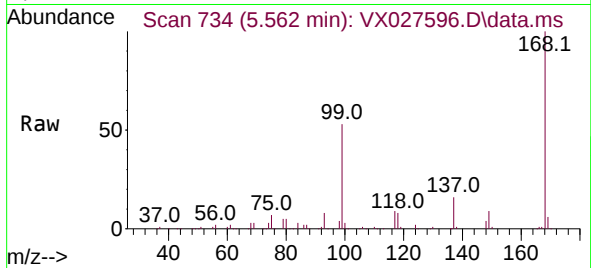




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

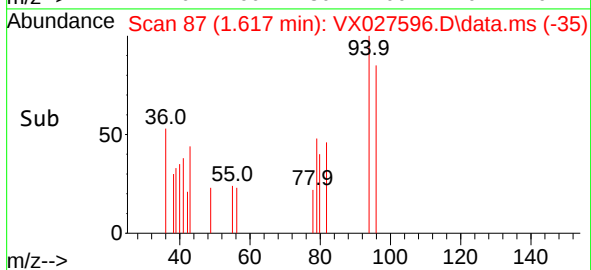
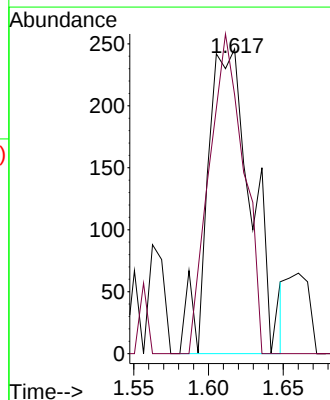
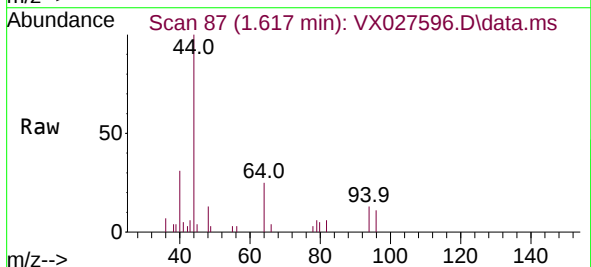
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315DL

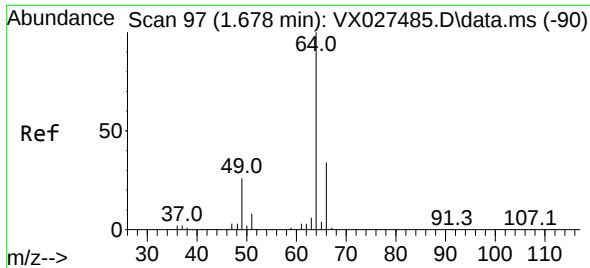
Tgt Ion:168 Resp: 345918
Ion Ratio Lower Upper
168 100
99 53.0 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

Tgt Ion: 94 Resp: 508
Ion Ratio Lower Upper
94 100
96 85.0 75.3 112.9

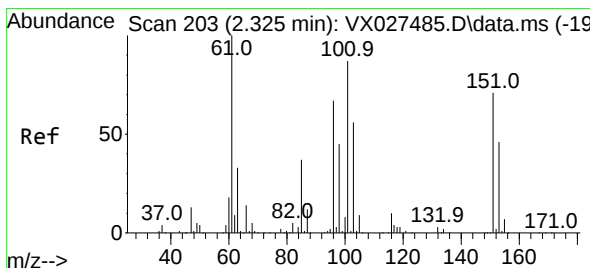
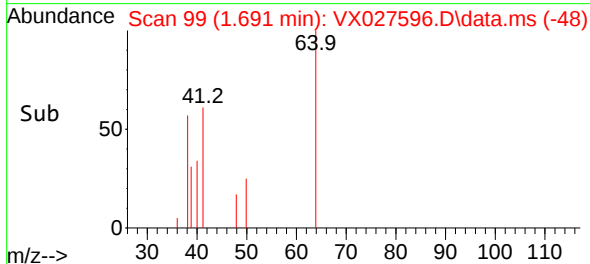
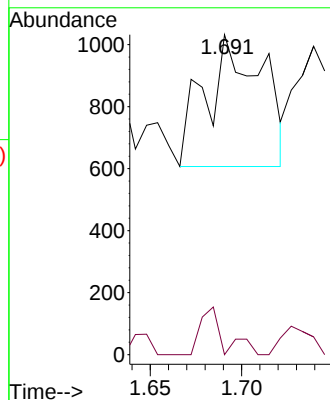
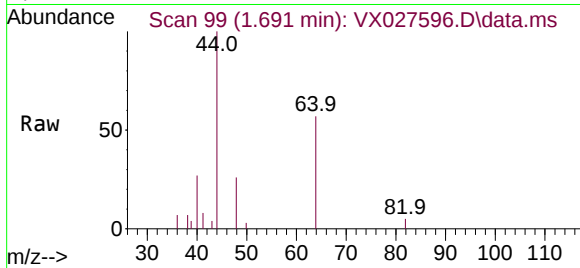




#6
Chloroethane
Concen: 0.435 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

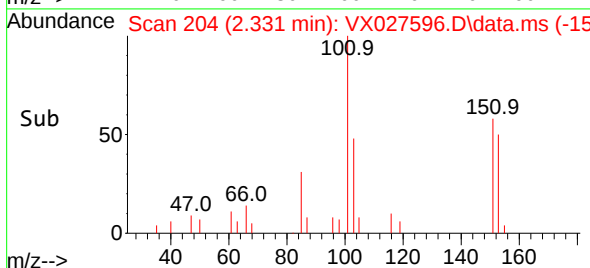
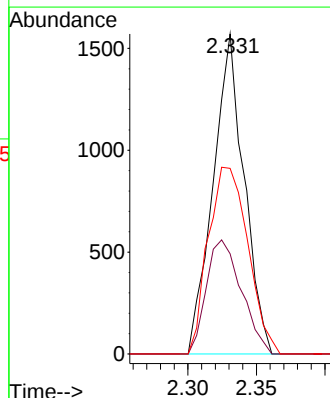
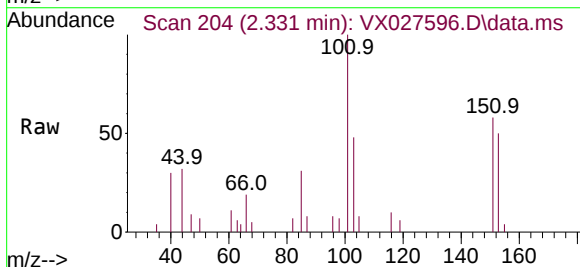
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315DL

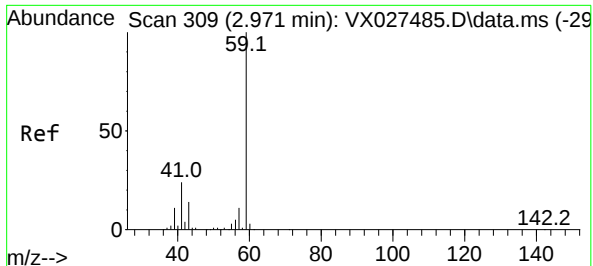
Tgt Ion: 64 Resp: 910
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.738 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

Tgt Ion: 101 Resp: 2471
Ion Ratio Lower Upper
101 100
85 40.3 33.5 50.3
151 74.8 61.8 92.6





#11

Tert butyl alcohol

Concen: 20.047 ug/l

RT: 2.946 min Scan# 30

Delta R.T. -0.024 min

Lab File: VX027596.D

Acq: 21 Mar 2022 19:11

Instrument :

MSVOA_X

ClientSampleId :

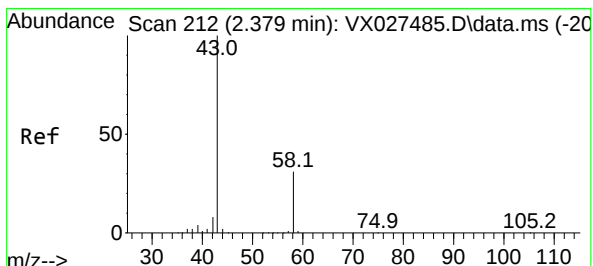
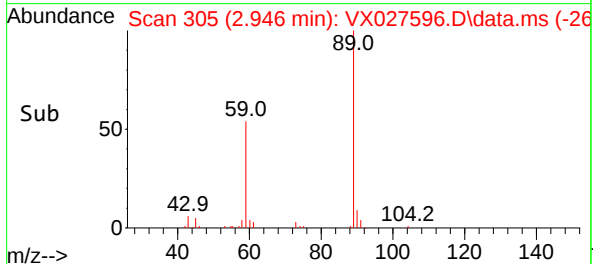
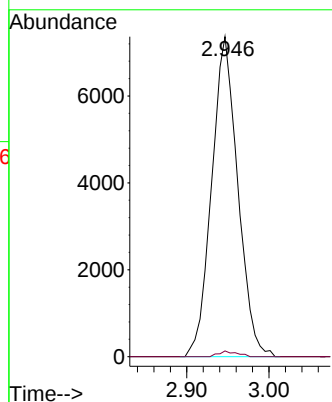
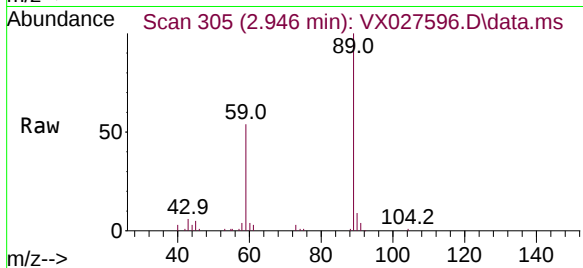
RE-132D4-20220315DL

Tgt Ion: 59 Resp: 16281

Ion Ratio Lower Upper

59 100

57 1.2 8.3 12.5#



#16

Acetone

Concen: 2.446 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX027596.D

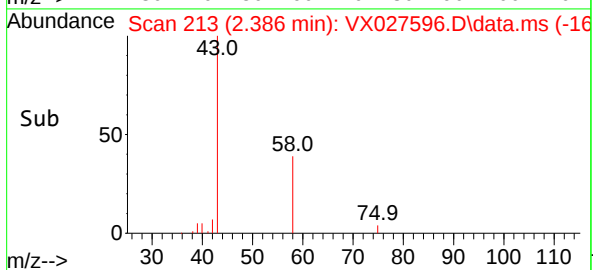
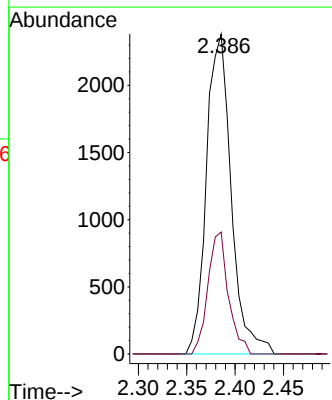
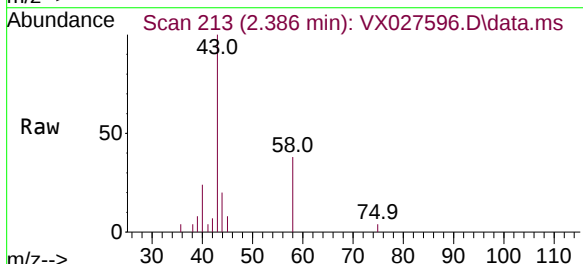
Acq: 21 Mar 2022 19:11

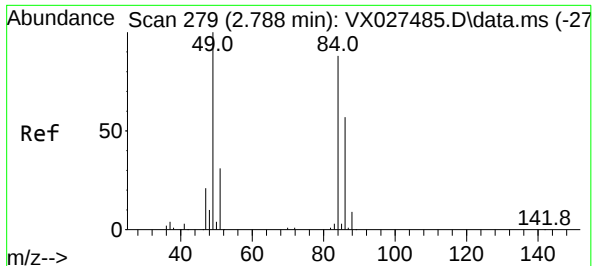
Tgt Ion: 43 Resp: 4248

Ion Ratio Lower Upper

43 100

58 38.1 28.8 43.2

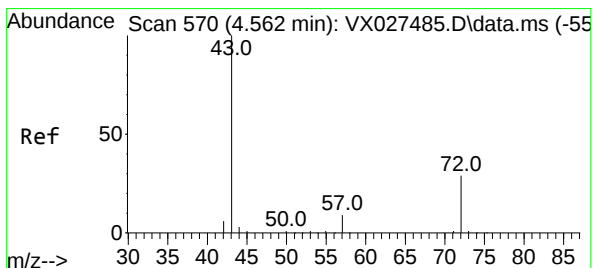
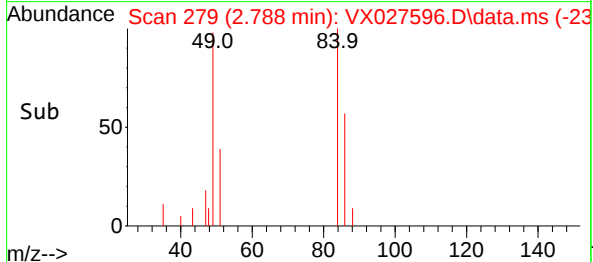
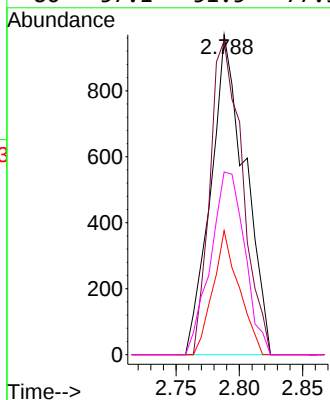
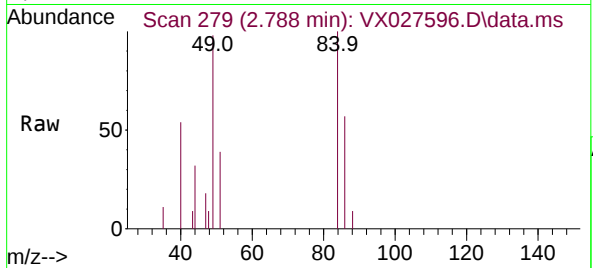




#20
Methylene Chloride
Concen: 0.490 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

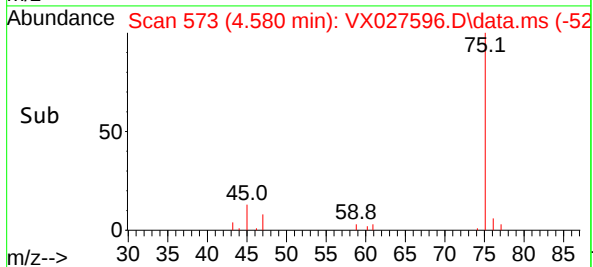
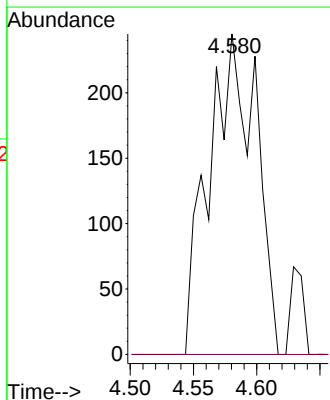
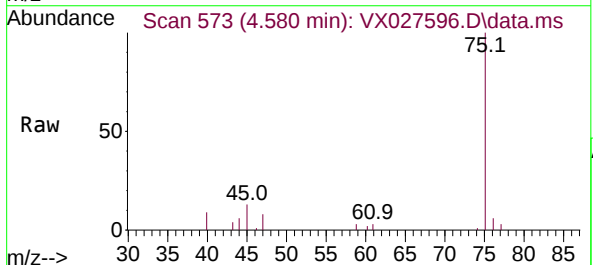
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315DL

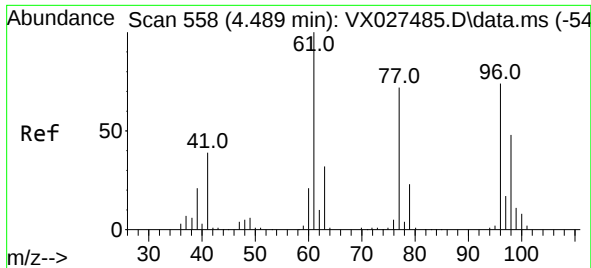
Tgt Ion:	84	Resp:	1831
Ion	Ratio	Lower	Upper
84	100		
49	98.1	85.5	128.3
51	38.8	26.6	39.8
86	57.1	51.5	77.3



#25
2-Butanone
Concen: 0.243 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

Tgt Ion:	43	Resp:	635
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.4	36.6#

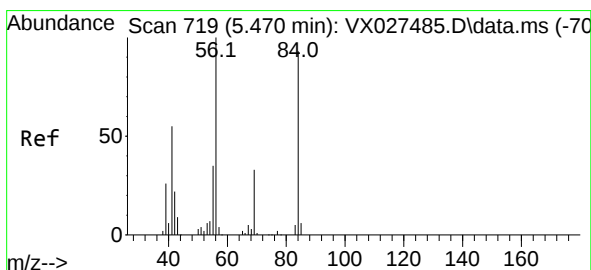
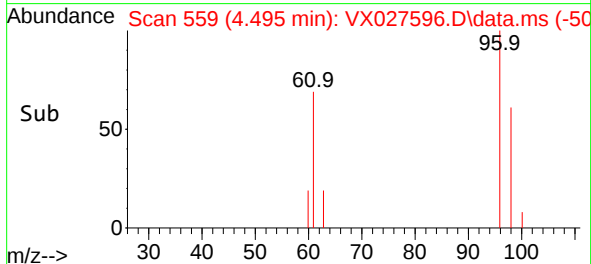
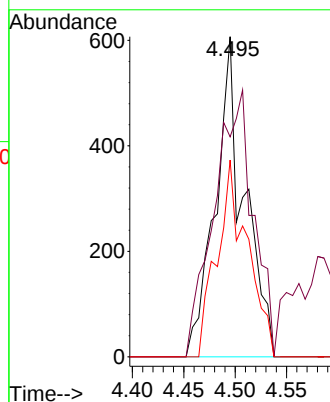
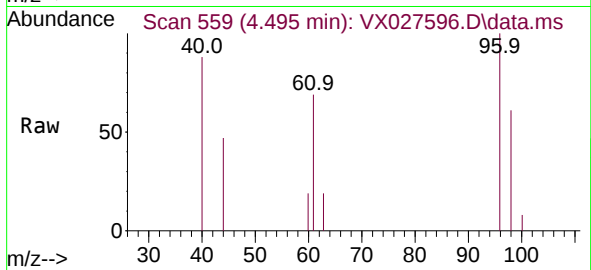




#27
cis-1,2-Dichloroethene
Concen: 0.296 ug/l
RT: 4.495 min Scan# 511
Delta R.T. 0.006 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

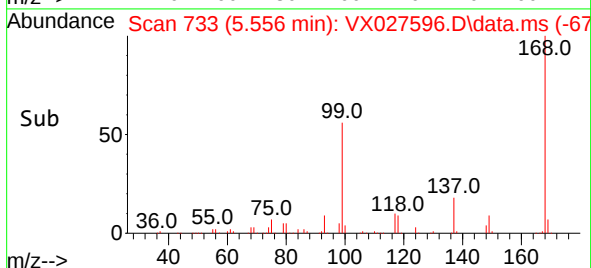
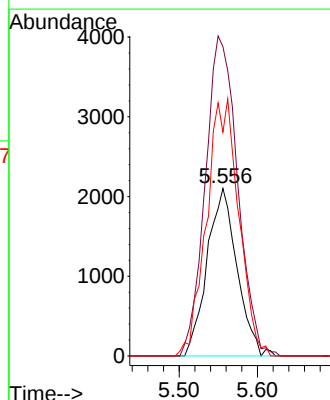
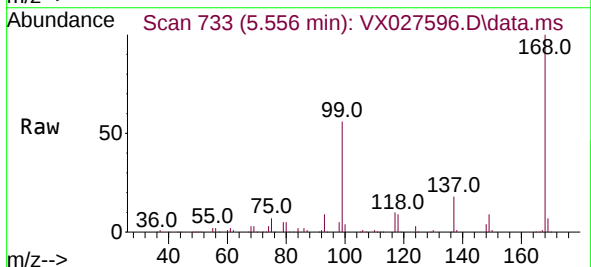
Instrument :
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ClientSampleId :
RE-132D4-20220315DL

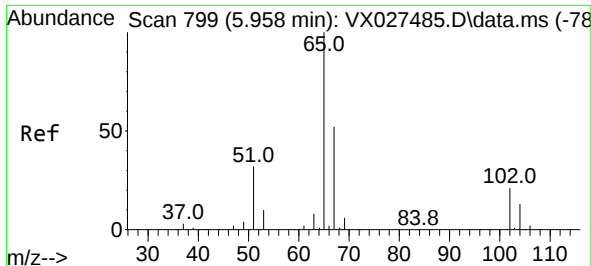
Tgt Ion: 96 Resp: 1178
Ion Ratio Lower Upper
96 100
61 113.8 0.0 283.8
98 64.9 0.0 129.8



#31
Cyclohexane
Concen: 1.055 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

Tgt Ion: 56 Resp: 5582
Ion Ratio Lower Upper
56 100
69 184.5 26.7 40.1#
84 133.6 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 46.946 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027596.D

Acq: 21 Mar 2022 19:11

Instrument :

MSVOA_X

ClientSampleId :

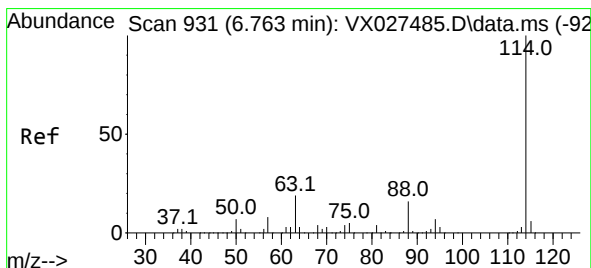
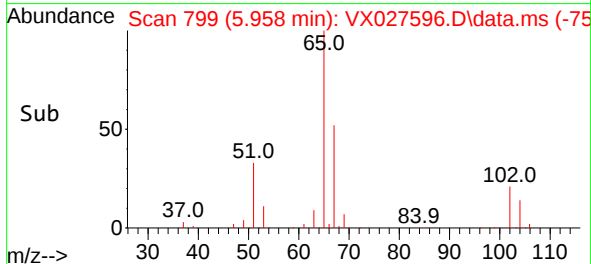
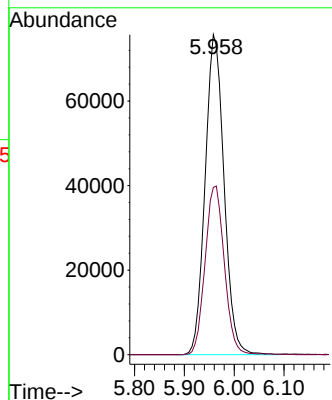
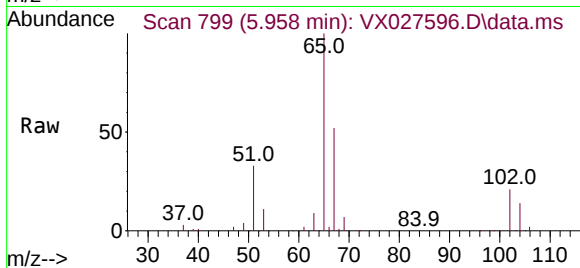
RE-132D4-20220315DL

Tgt Ion: 65 Resp: 200052

Ion Ratio Lower Upper

65 100

67 53.5 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: VX027596.D

Acq: 21 Mar 2022 19:11

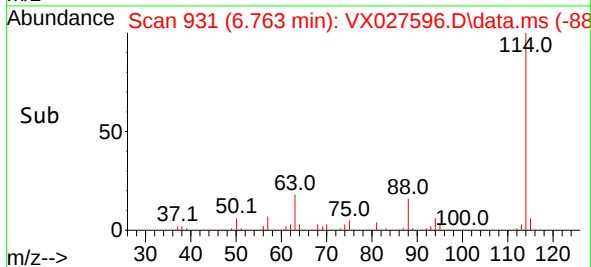
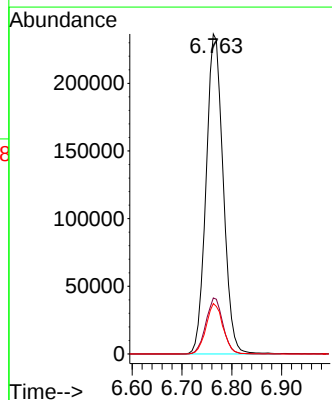
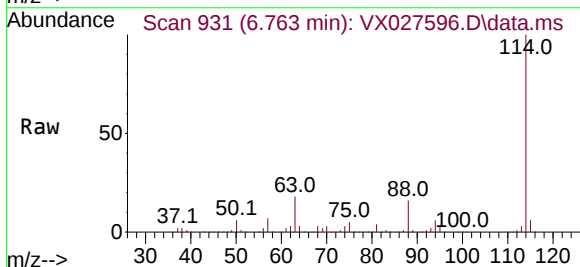
Tgt Ion: 114 Resp: 562338

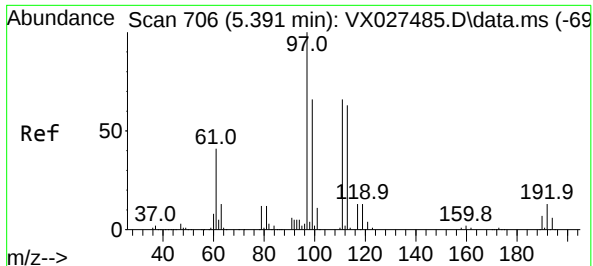
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.8

88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.736 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027596.D

Acq: 21 Mar 2022 19:11

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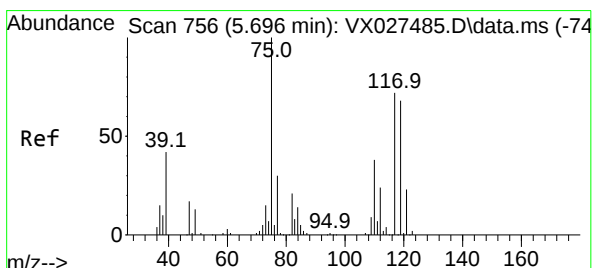
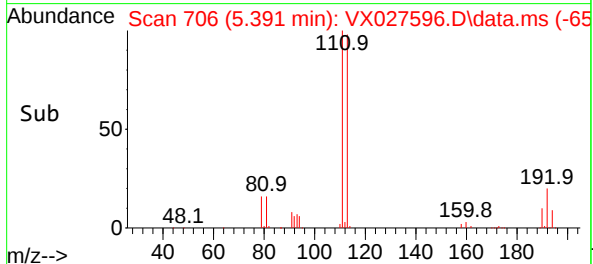
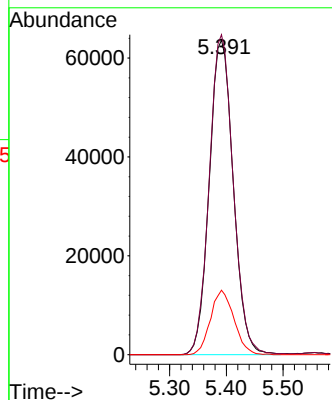
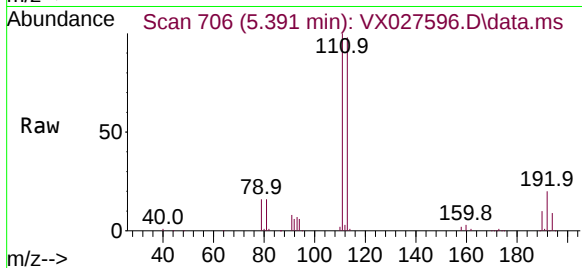
Tgt Ion:113 Resp: 187180

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

192 20.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.862 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX027596.D

Acq: 21 Mar 2022 19:11

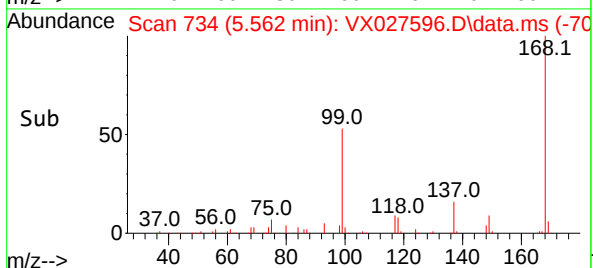
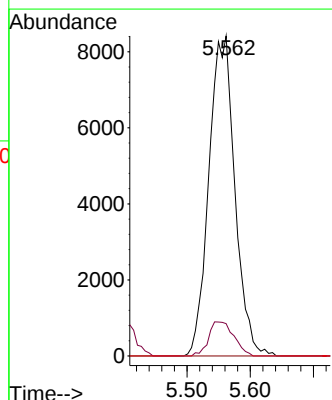
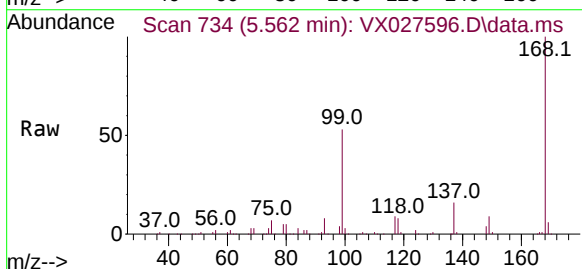
Tgt Ion: 75 Resp: 24041

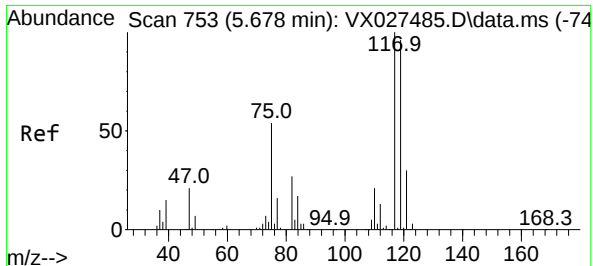
Ion Ratio Lower Upper

75 100

110 10.4 18.3 54.8#

77 0.0 24.8 37.2#

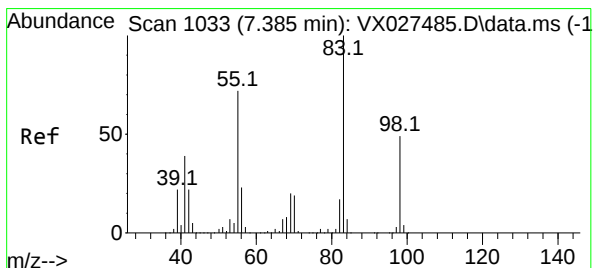
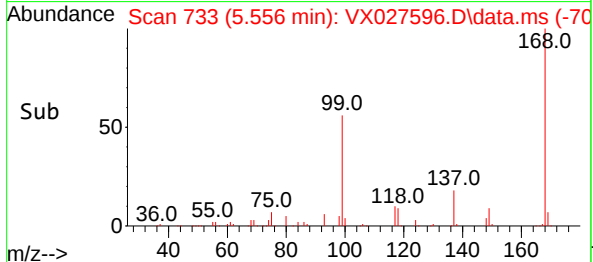
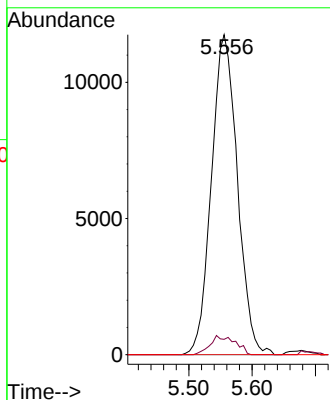
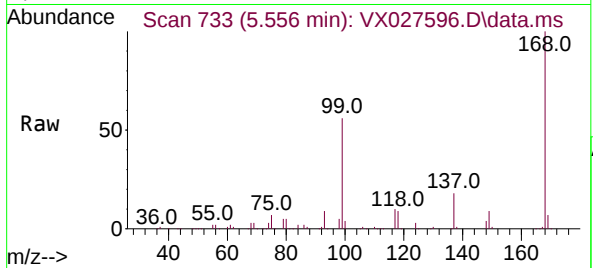




#38
Carbon Tetrachloride
Concen: 5.915 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

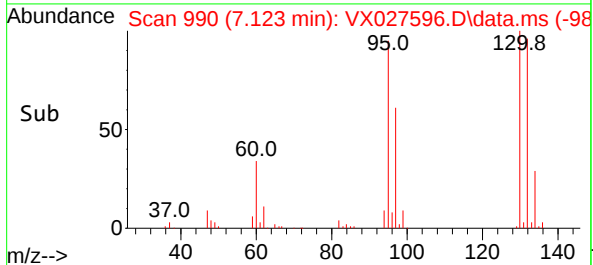
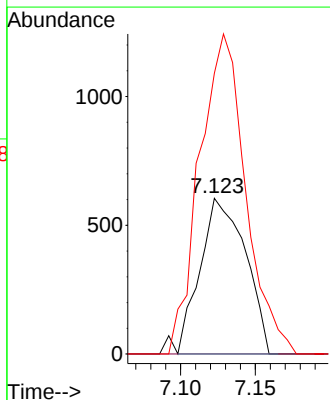
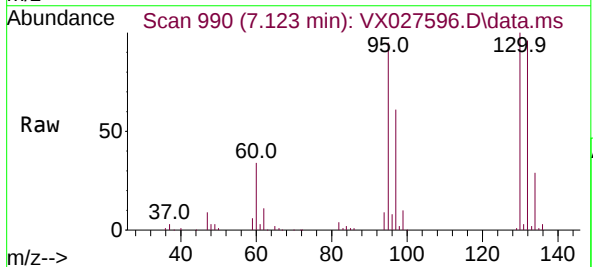
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315DL

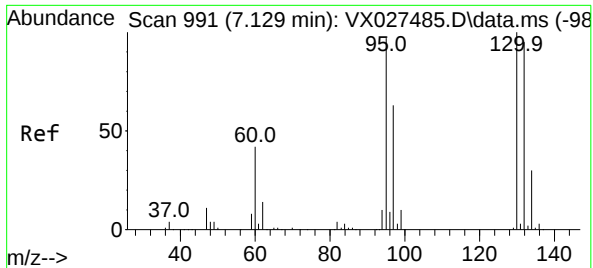
Tgt Ion:117 Resp: 33456
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.205 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

Tgt Ion: 83 Resp: 1276
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 164.5 37.4 56.2#

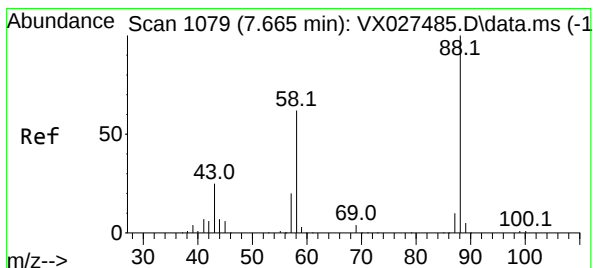
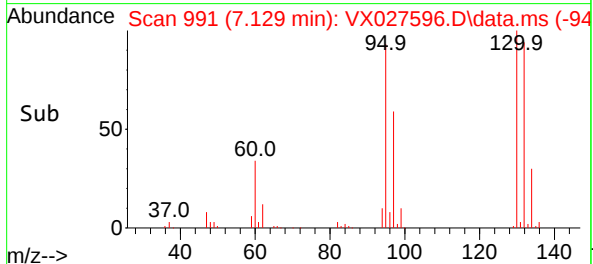
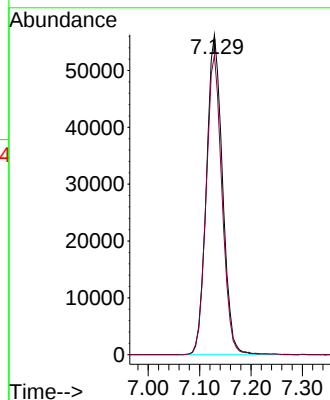
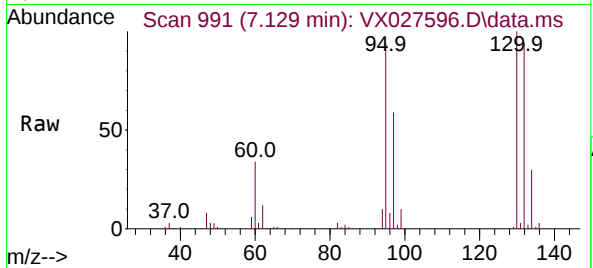




#44
Trichloroethene
Concen: 28.277 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

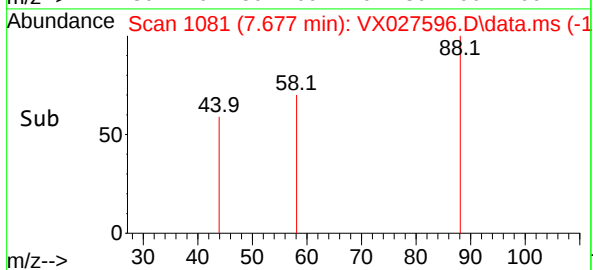
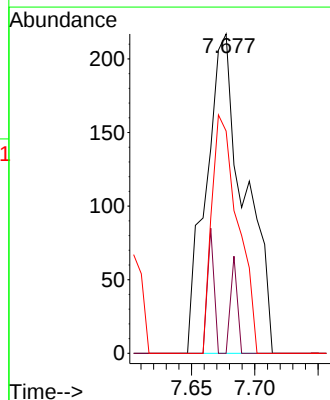
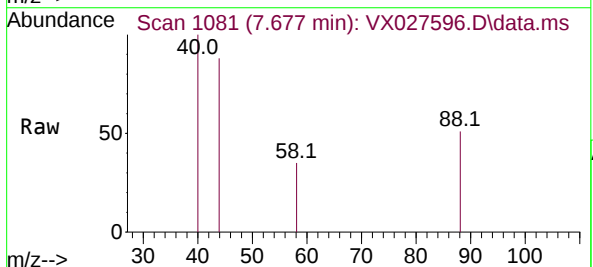
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315DL

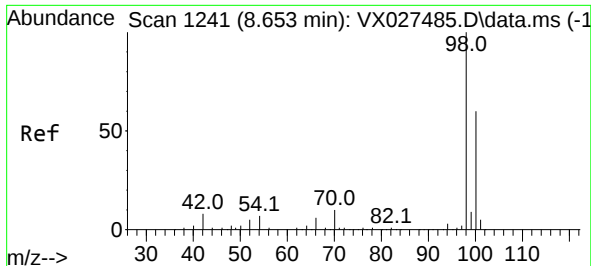
Tgt Ion:130 Resp: 121761
Ion Ratio Lower Upper
130 100
95 93.6 0.0 188.8



#49
1,4-Dioxane
Concen: 4.534 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

Tgt Ion: 88 Resp: 457
Ion Ratio Lower Upper
88 100
43 5.3 21.9 32.9#
58 51.2 53.7 80.5#

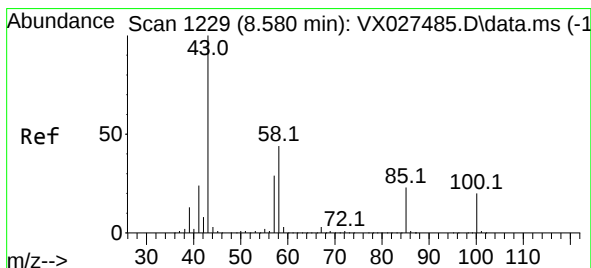
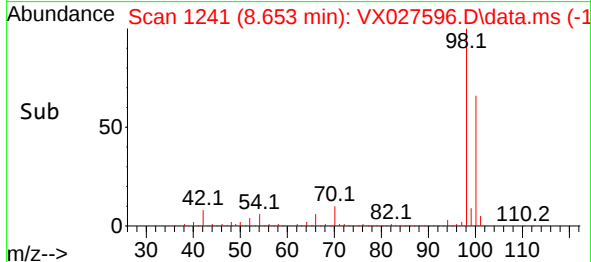
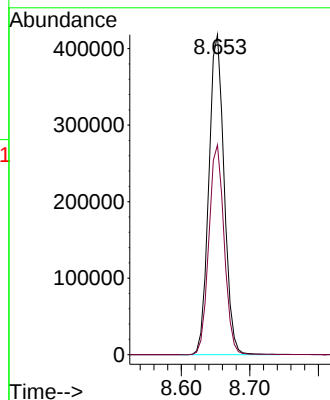
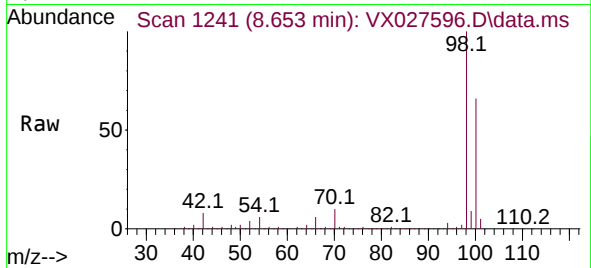




#50
Toluene-d8
Concen: 47.364 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

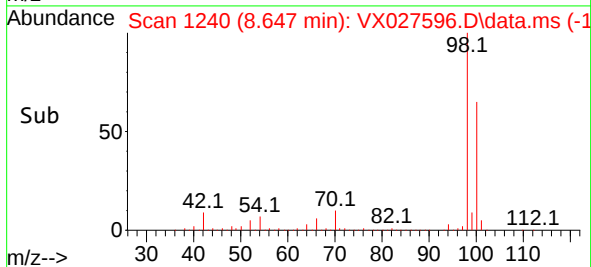
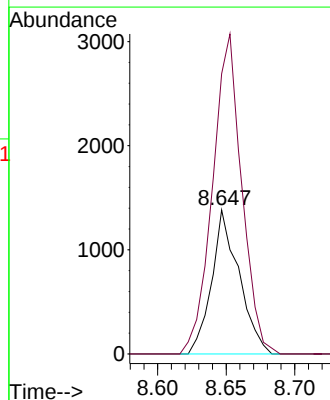
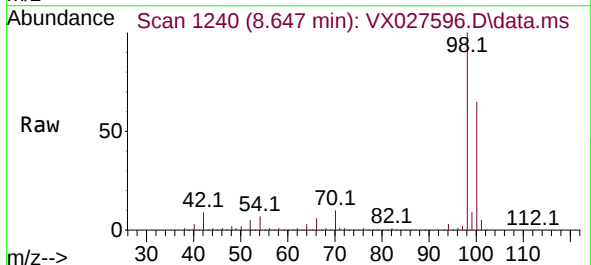
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315DL

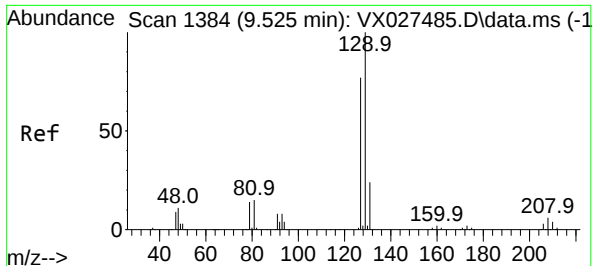
Tgt Ion: 98 Resp: 648450
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.380 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

Tgt Ion: 43 Resp: 1923
Ion Ratio Lower Upper
43 100
58 236.7 36.1 54.1#





#60

Dibromochloromethane

Concen: 0.602 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX027596.D

Acq: 21 Mar 2022 19:11

Instrument :

MSVOA_X

ClientSampleId :

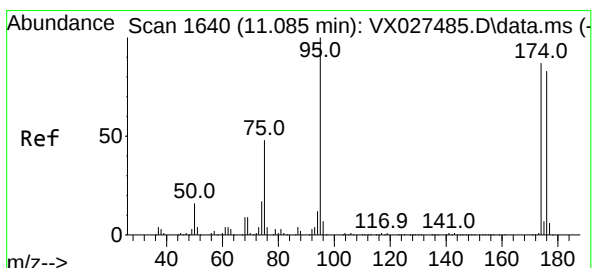
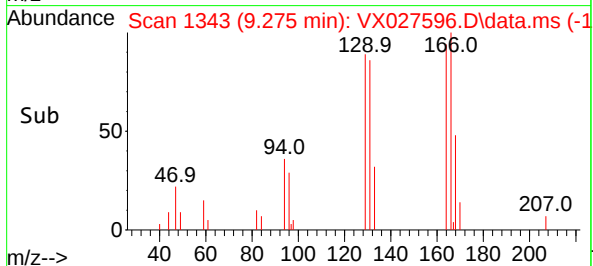
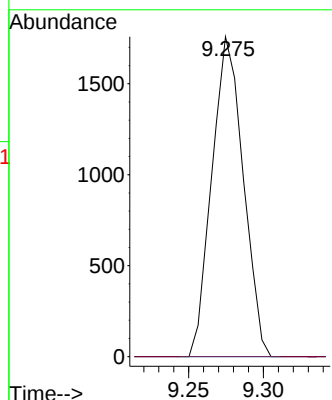
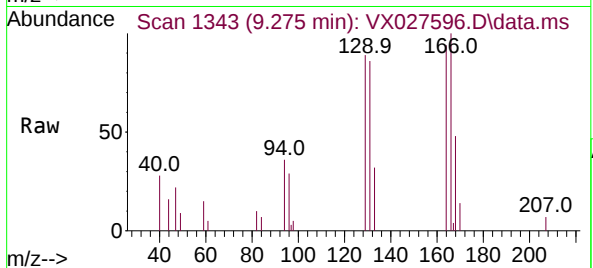
RE-132D4-20220315DL

Tgt Ion:129 Resp: 2564

Ion Ratio Lower Upper

129 100

127 0.0 40.3 120.8#



#62

4-Bromofluorobenzene

Concen: 44.758 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX027596.D

Acq: 21 Mar 2022 19:11

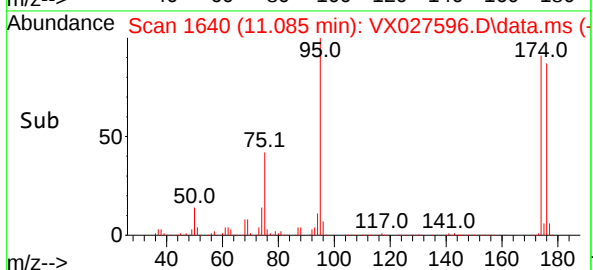
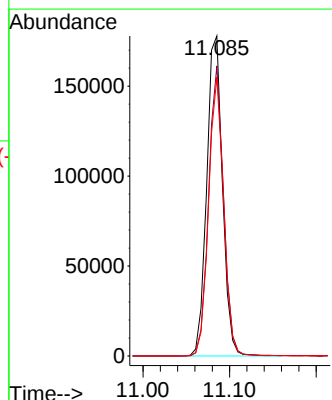
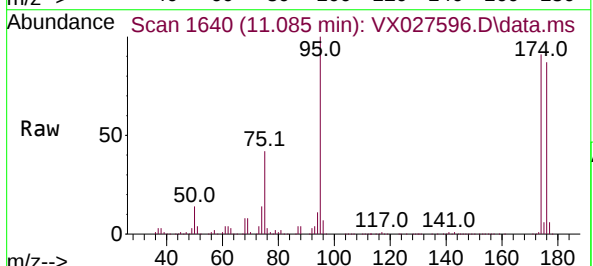
Tgt Ion: 95 Resp: 225228

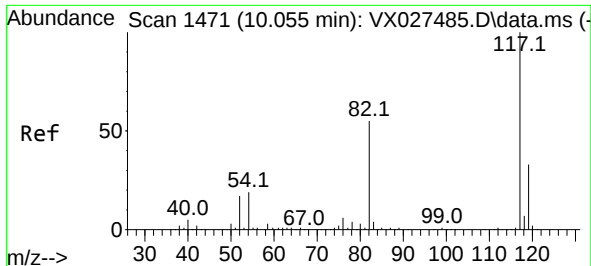
Ion Ratio Lower Upper

95 100

174 86.0 0.0 163.0

176 83.4 0.0 155.0

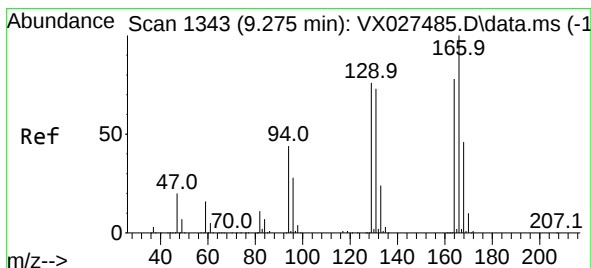
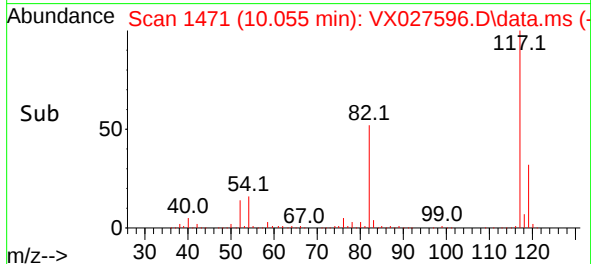
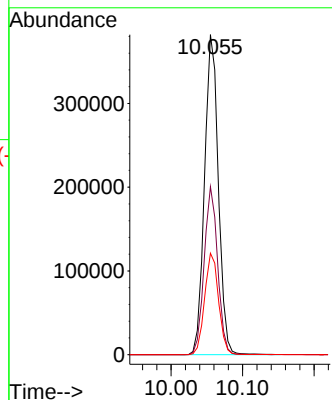
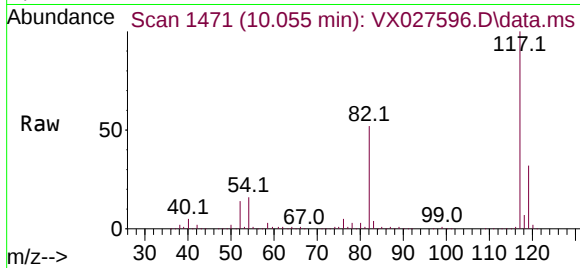




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

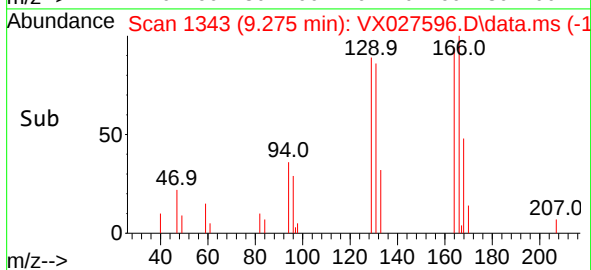
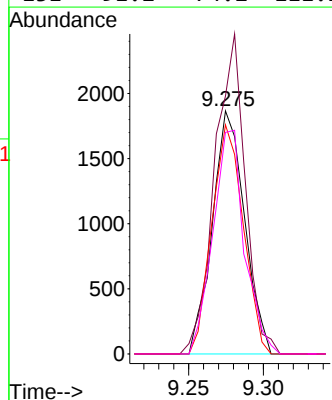
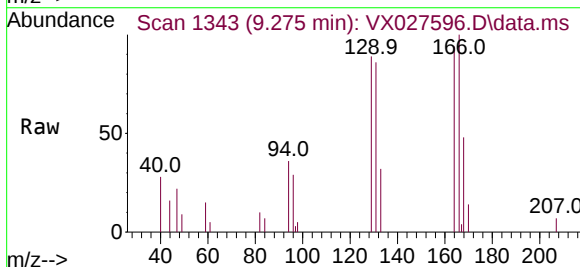
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315DL

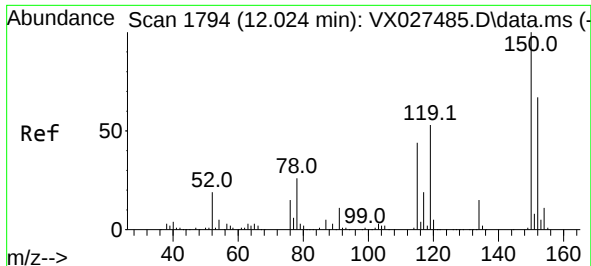
Tgt Ion:117 Resp: 513163
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.8
119 31.7 24.8 37.2



#64
Tetrachloroethene
Concen: 0.699 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

Tgt Ion:164 Resp: 2789
Ion Ratio Lower Upper
164 100
166 106.1 101.2 151.8
129 94.3 73.0 109.4
131 91.2 74.2 111.2

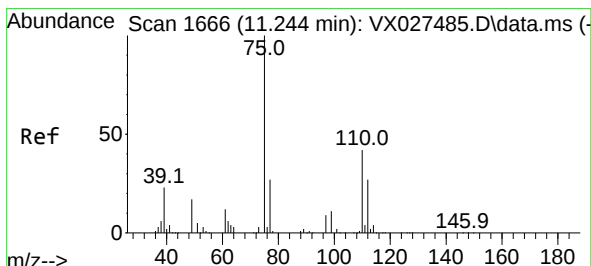
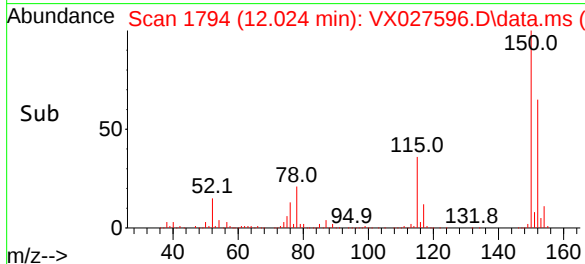
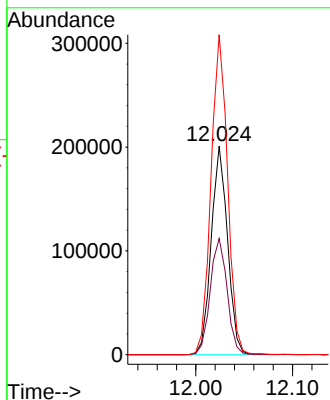
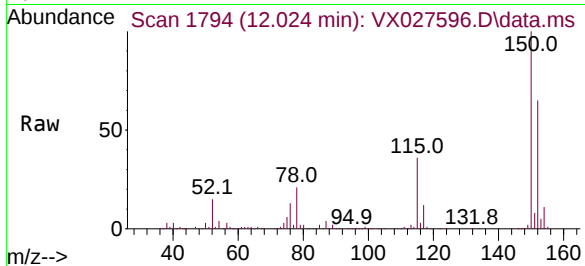




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

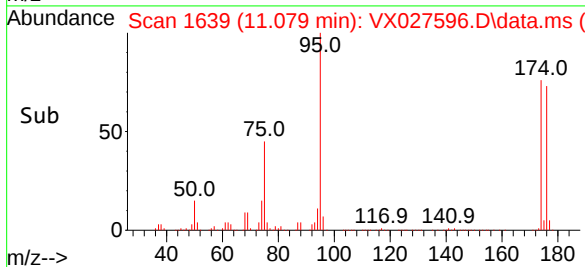
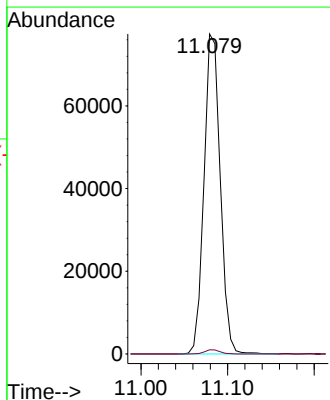
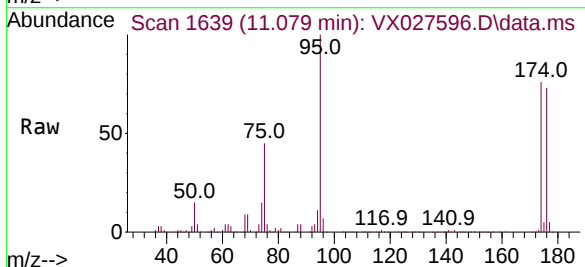
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315DL

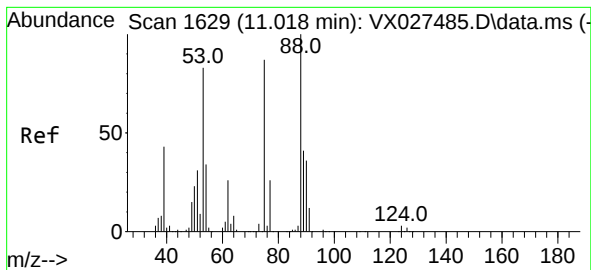
Tgt Ion:152 Resp: 235972
Ion Ratio Lower Upper
152 100
115 57.7 37.5 112.7
150 155.5 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 20.442 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027596.D
Acq: 21 Mar 2022 19:11

Tgt Ion: 75 Resp: 100894
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.082 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027596.D
 Acq: 21 Mar 2022 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D4-20220315DL

Tgt Ion: 75 Resp: 100894
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

