

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
 Data File : VX027567.D
 Acq On : 19 Mar 2022 17:56
 Operator : JC/MD
 Sample : N2000-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-126D2-20220316

Quant Time: Mar 21 01:24:47 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)

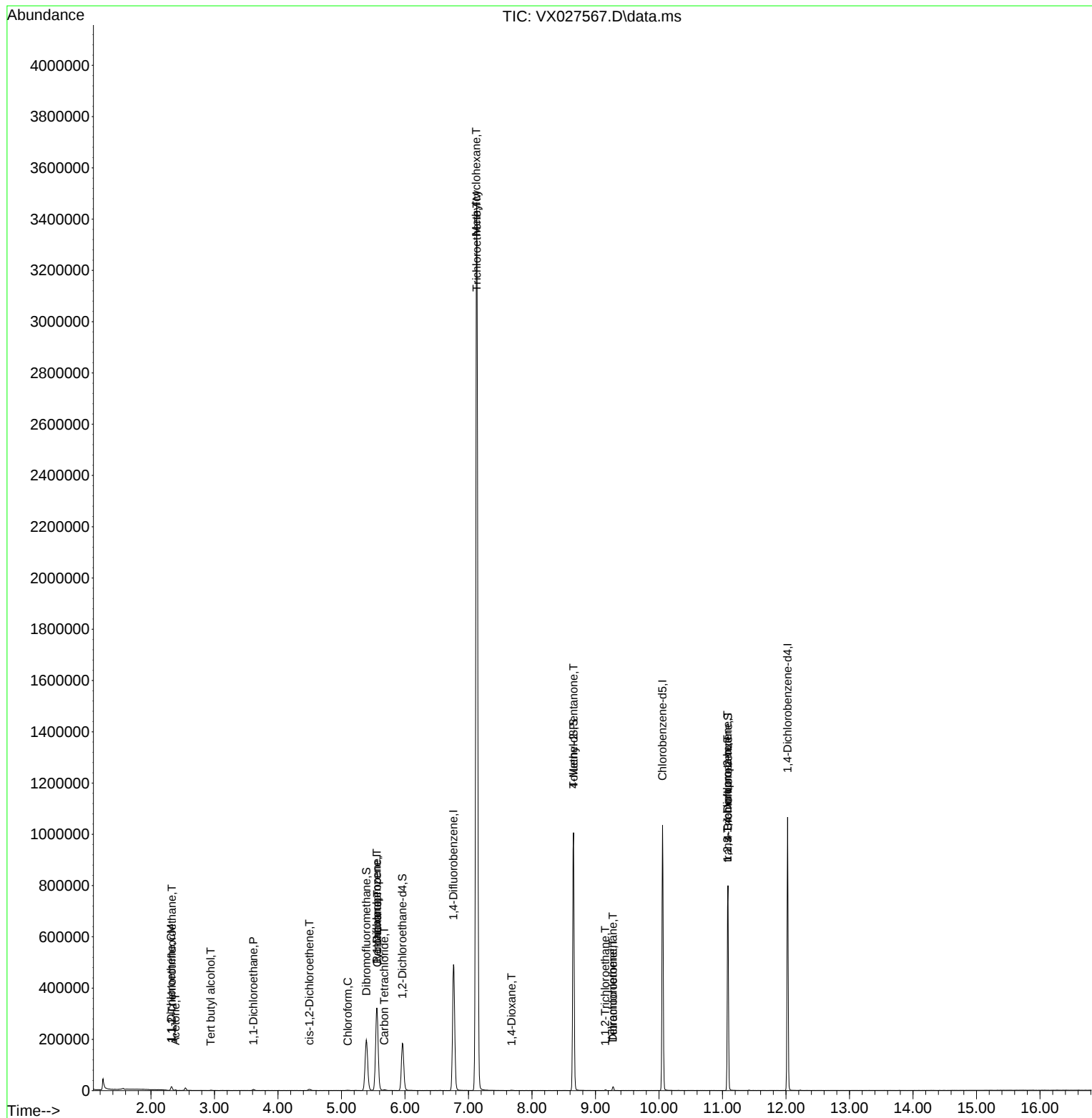
Internal Standards						
1) Pentafluorobenzene	5.556	168	332869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	551547	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	497802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	226698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	176525	43.048	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.100%		
35) Dibromofluoromethane	5.391	113	175383	49.424	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.840%		
50) Toluene-d8	8.653	98	634011	47.215	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.440%		
62) 4-Bromofluorobenzene	11.086	95	220092	44.593	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.180%		
Target Compounds						Qvalue
5) Bromomethane	1.618	94	435	Below Cal	#	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	3314	1.029	ug/l	94
11) Tert butyl alcohol	2.941	59	717	0.917	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	3276	1.060	ug/l	93
16) Acetone	2.386	43	1961	1.173	ug/l	90
24) 1,1-Dichloroethane	3.611	63	4867	0.847	ug/l #	94
27) cis-1,2-Dichloroethene	4.495	96	3490	0.913	ug/l	82
30) Chloroform	5.099	83	1776	0.280	ug/l #	57
31) Cyclohexane	5.562	56	4996	0.981	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	21821	4.500	ug/l #	50
38) Carbon Tetrachloride	5.672	117	2337	0.421	ug/l #	75
39) Methylcyclohexane	7.123	83	14949	2.451	ug/l #	1
44) Trichloroethene	7.129	130	1474454	349.123	ug/l	99
49) 1,4-Dioxane	7.678	88	1057	10.693	ug/l	96
51) 4-Methyl-2-Pentanone	8.653	43	2051	0.413	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	893	0.235	ug/l #	88
60) Dibromochloromethane	9.275	129	2871	0.687	ug/l #	9
64) Tetrachloroethene	9.275	164	2978	0.769	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	98971	20.872	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	98971	63.390	ug/l #	15

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

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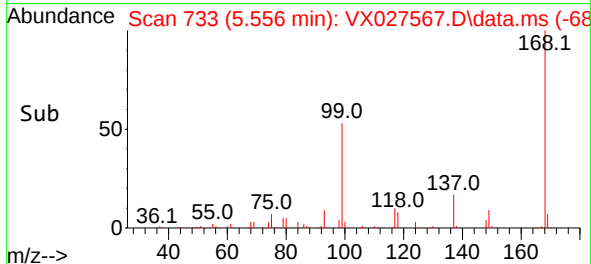
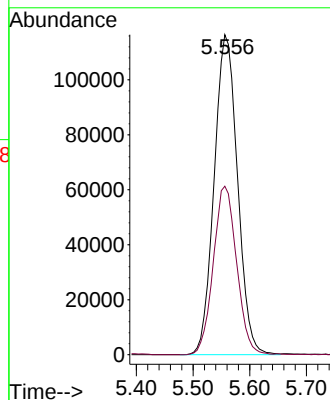
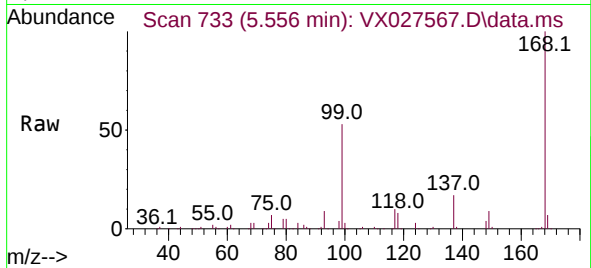




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

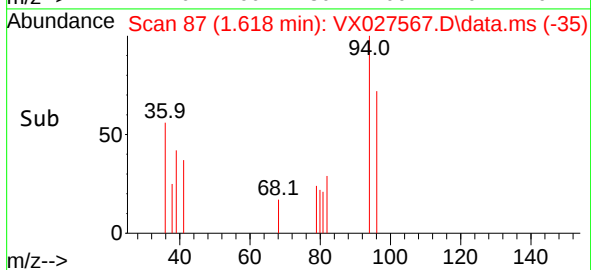
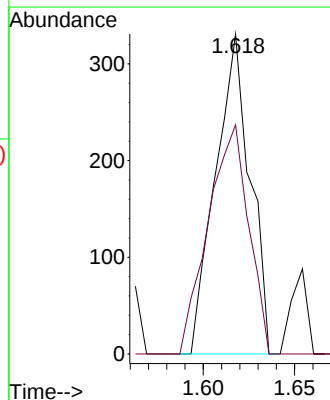
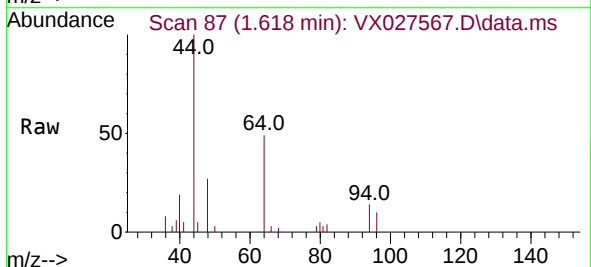
Instrument :
MSVOA_X
ClientSampleId :
RE-126D2-20220316

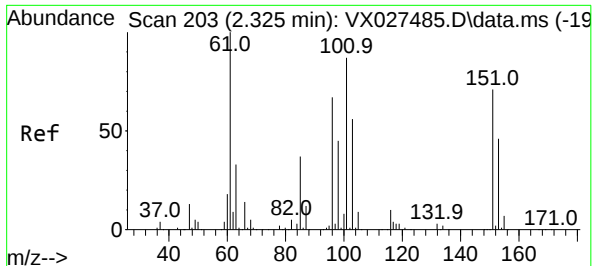
Tgt Ion:168 Resp: 332869
Ion Ratio Lower Upper
168 100
99 52.6 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

Tgt Ion: 94 Resp: 435
Ion Ratio Lower Upper
94 100
96 71.6 75.3 112.9#

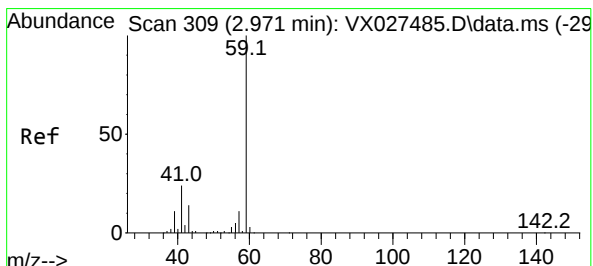
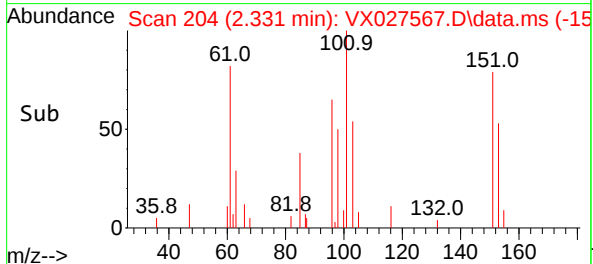
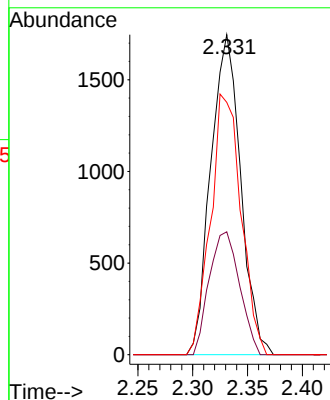
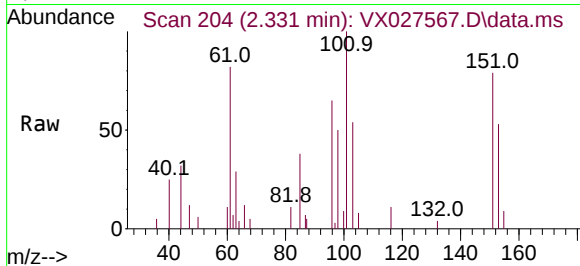




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.029 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

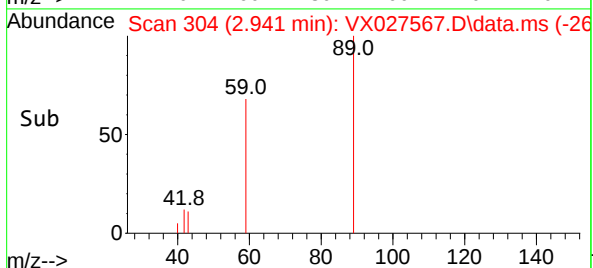
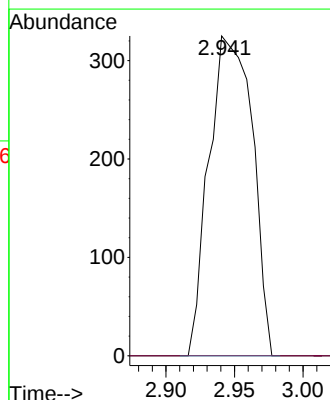
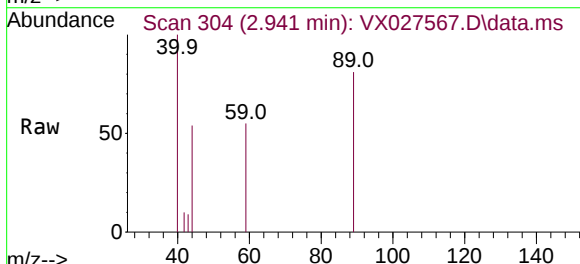
Instrument :
MSVOA_X
ClientSampleId :
RE-126D2-20220316

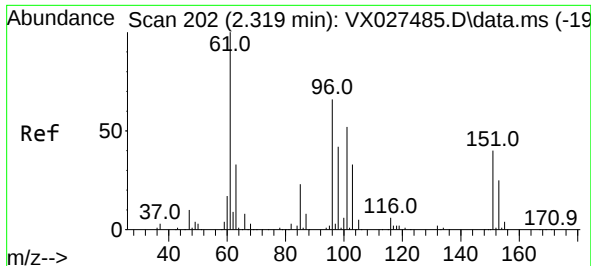
Tgt Ion:101 Resp: 3314
Ion Ratio Lower Upper
101 100
85 38.9 33.5 50.3
151 82.9 61.8 92.6



#11
Tert butyl alcohol
Concen: 0.917 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.030 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

Tgt Ion: 59 Resp: 717
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 1.060 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX027567.D

Acq: 19 Mar 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

RE-126D2-20220316

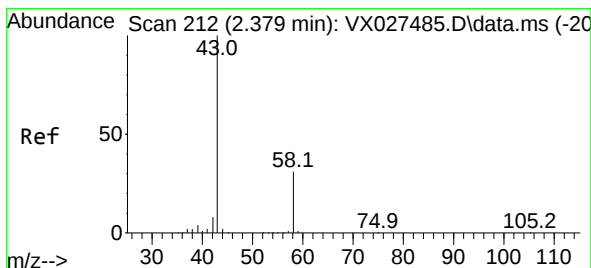
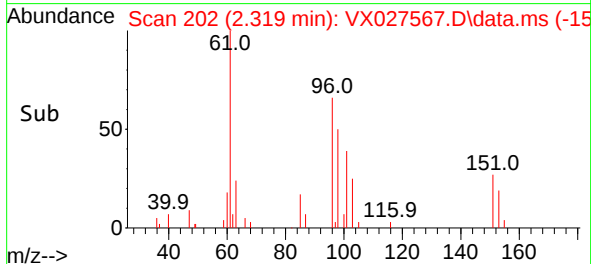
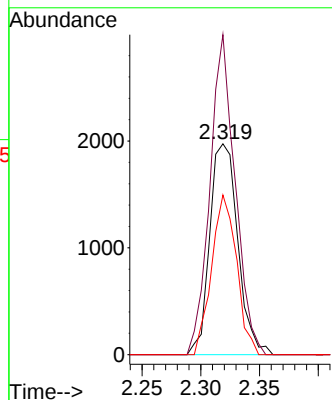
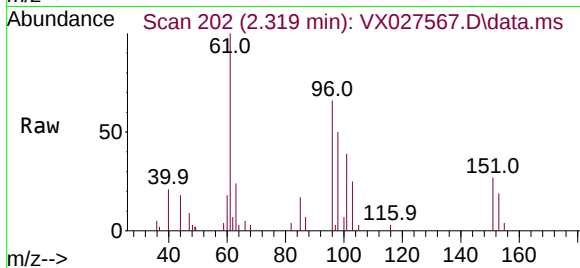
Tgt Ion: 96 Resp: 3276

Ion Ratio Lower Upper

96 100

61 151.7 124.6 187.0

98 75.7 51.0 76.4



#16

Acetone

Concen: 1.173 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX027567.D

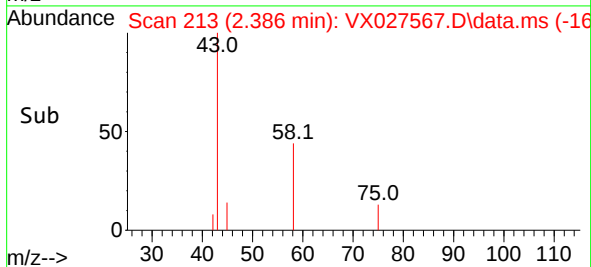
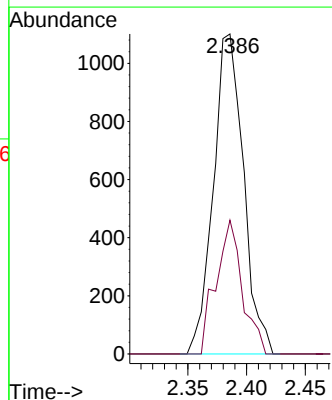
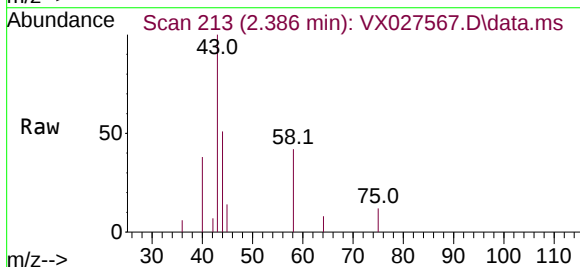
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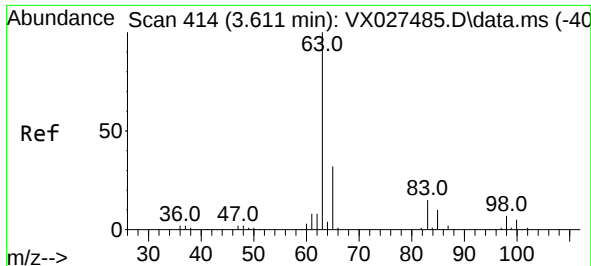
Tgt Ion: 43 Resp: 1961

Ion Ratio Lower Upper

43 100

58 41.8 28.8 43.2

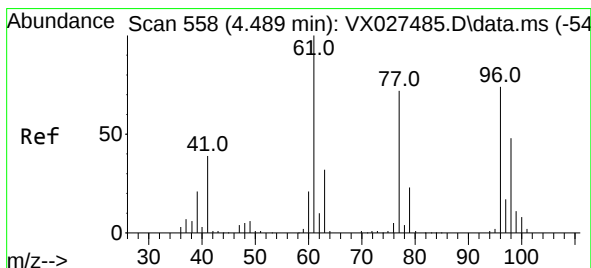
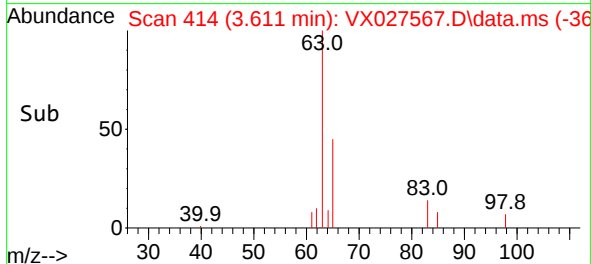
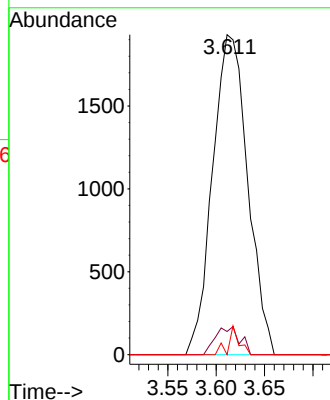
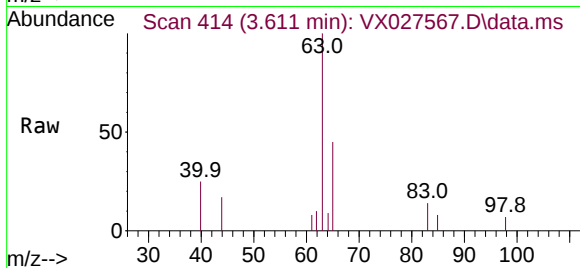




#24
1,1-Dichloroethane
Concen: 0.847 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

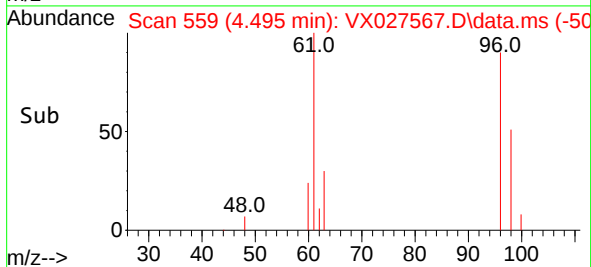
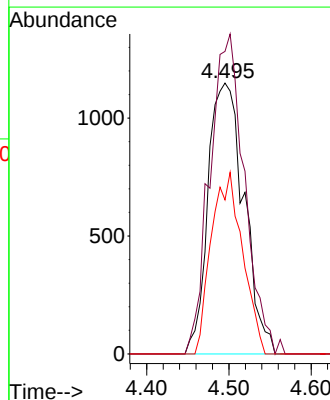
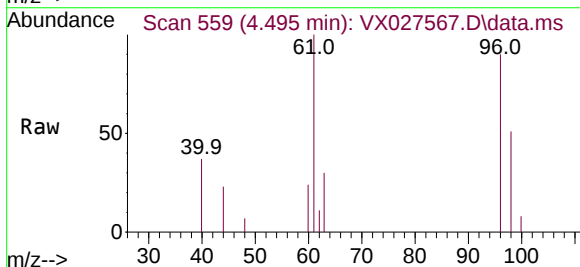
Instrument :
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ClientSampleId :
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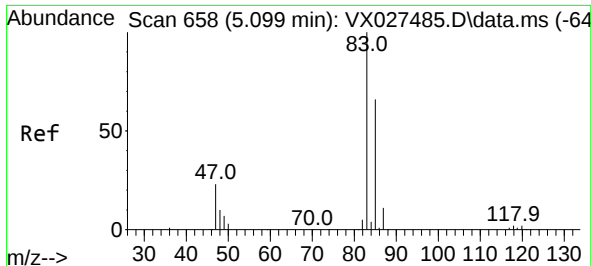
Tgt Ion: 63 Resp: 4867
Ion Ratio Lower Upper
63 100
98 7.3 3.9 11.7
100 0.0 2.4 7.2#



#27
cis-1,2-Dichloroethene
Concen: 0.913 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

Tgt Ion: 96 Resp: 3490
Ion Ratio Lower Upper
96 100
61 114.0 0.0 283.8
98 58.2 0.0 129.8





#30

Chloroform

Concen: 0.280 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX027567.D

Acq: 19 Mar 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

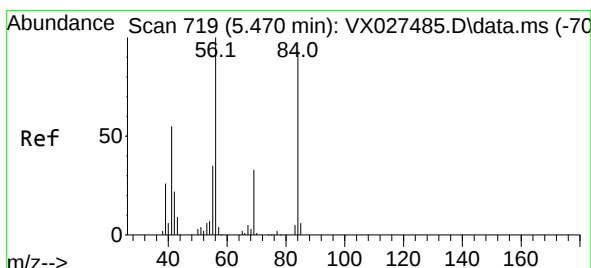
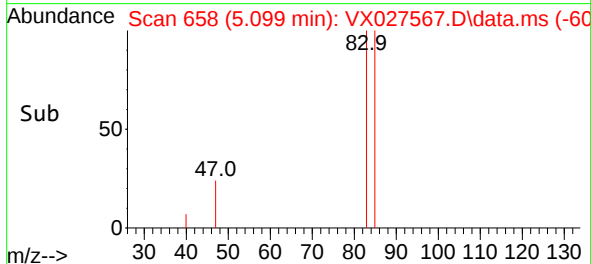
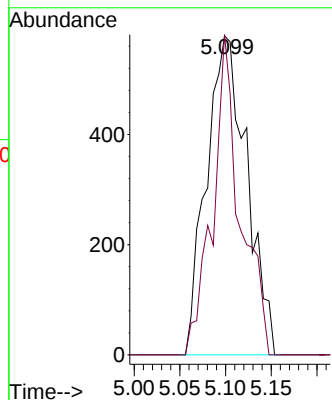
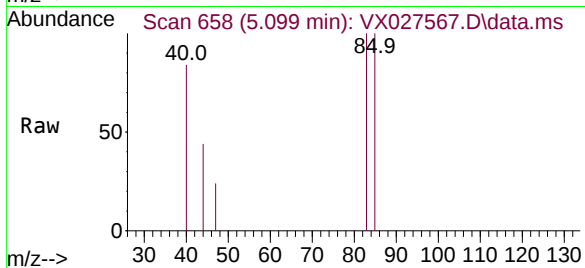
RE-126D2-20220316

Tgt Ion: 83 Resp: 1776

Ion Ratio Lower Upper

83 100

85 100.3 52.7 79.1#



#31

Cyclohexane

Concen: 0.981 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX027567.D

Acq: 19 Mar 2022 17:56

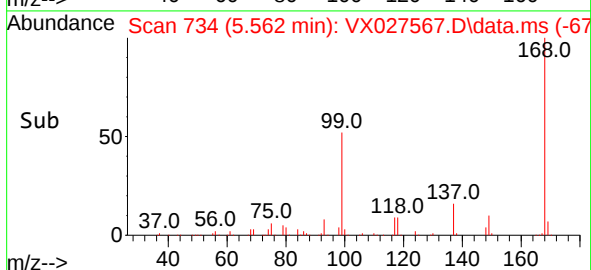
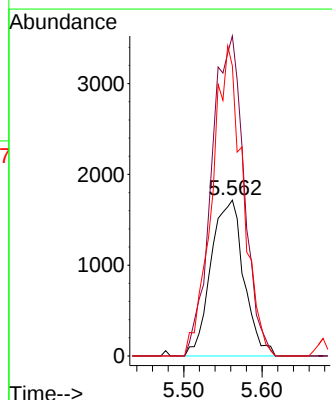
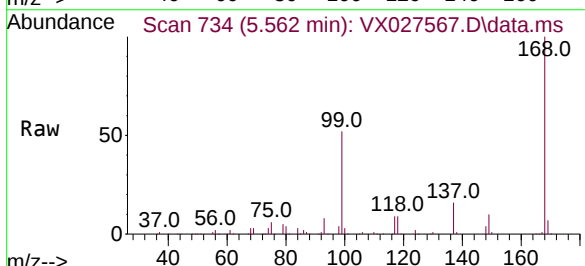
Tgt Ion: 56 Resp: 4996

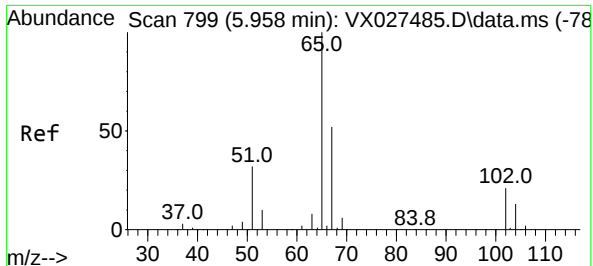
Ion Ratio Lower Upper

56 100

69 205.4 26.7 40.1#

84 186.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.048 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027567.D

Acq: 19 Mar 2022 17:56

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ClientSampleId :

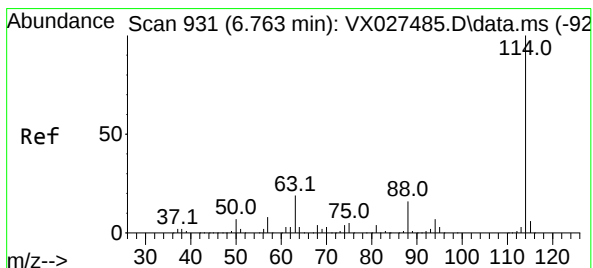
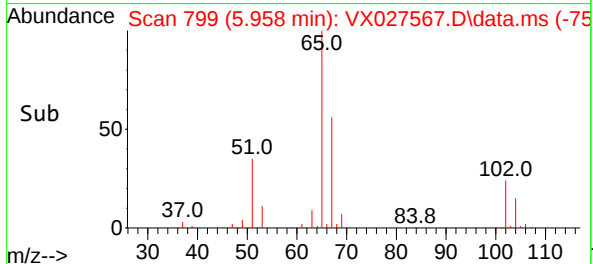
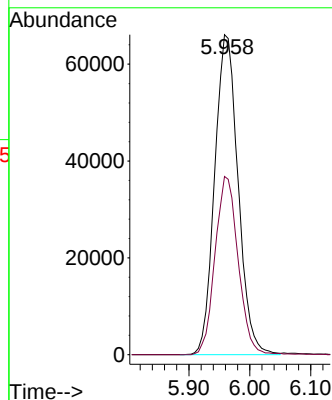
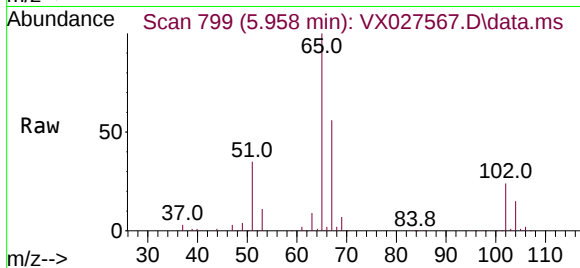
RE-126D2-20220316

Tgt Ion: 65 Resp: 176525

Ion Ratio Lower Upper

65 100

67 54.9 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: VX027567.D

Acq: 19 Mar 2022 17:56

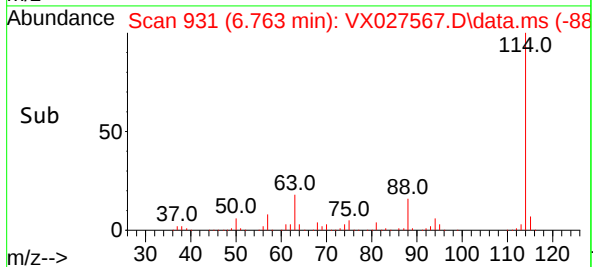
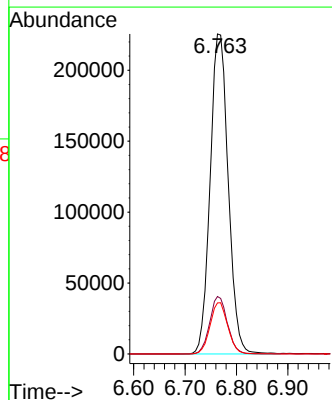
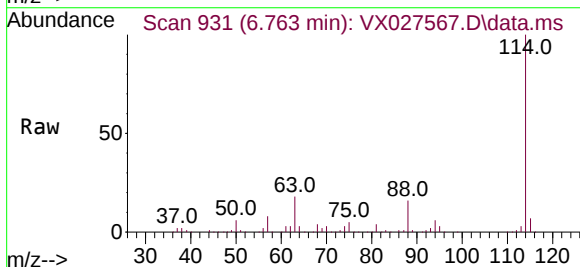
Tgt Ion: 114 Resp: 551547

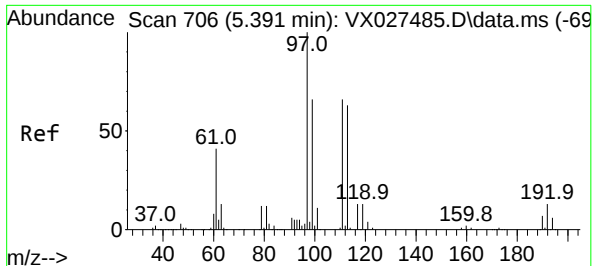
Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.424 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027567.D

Acq: 19 Mar 2022 17:56

Instrument :

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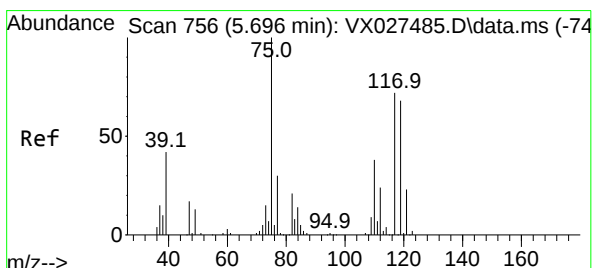
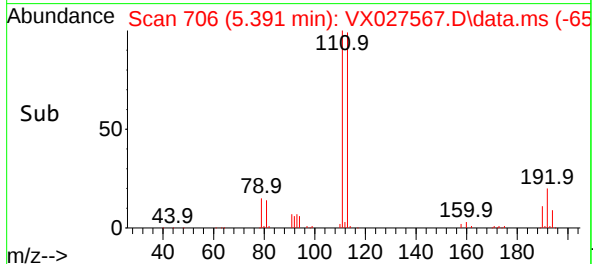
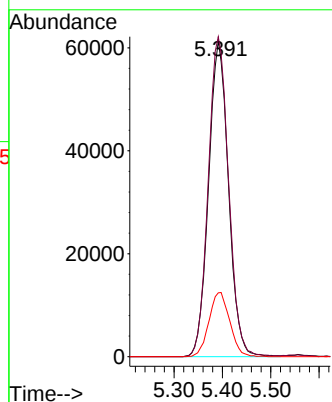
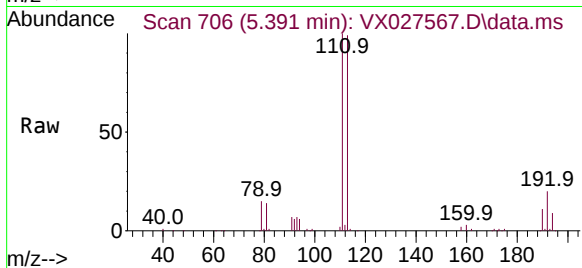
Tgt Ion:113 Resp: 175383

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

192 21.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.500 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027567.D

Acq: 19 Mar 2022 17:56

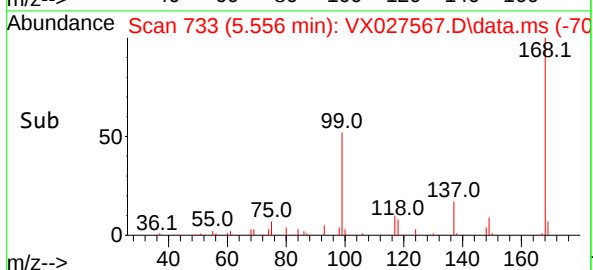
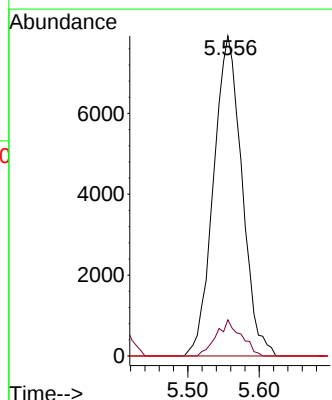
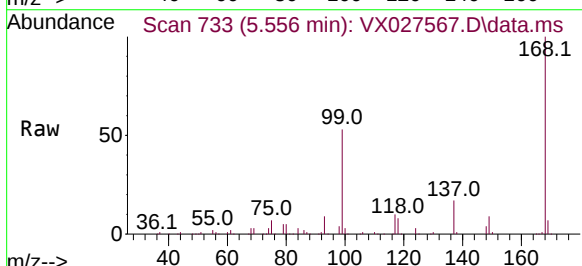
Tgt Ion: 75 Resp: 21821

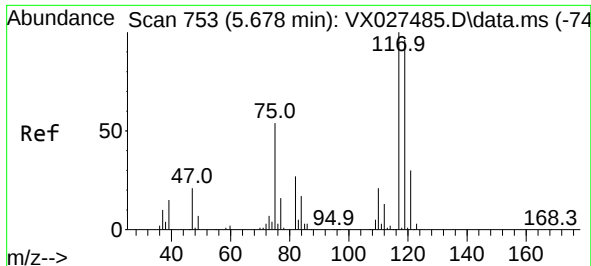
Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

77 0.0 24.8 37.2#

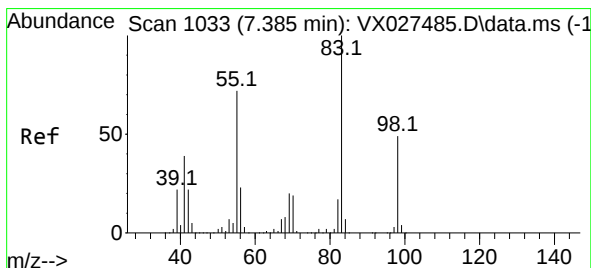
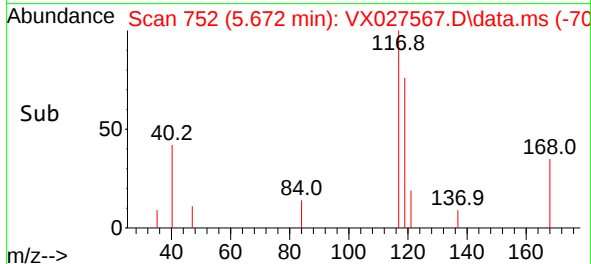
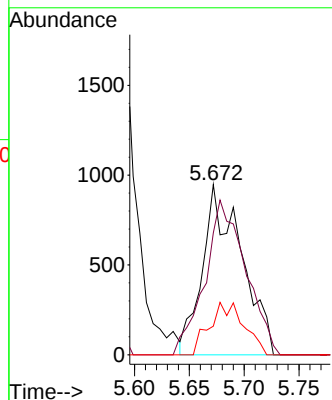
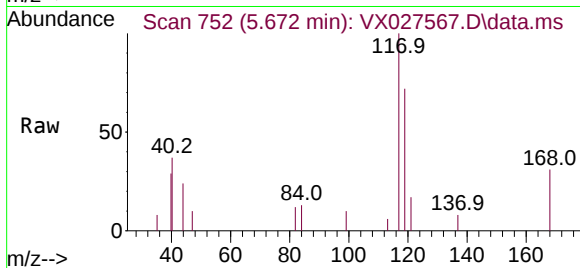




#38
Carbon Tetrachloride
Concen: 0.421 ug/l
RT: 5.672 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

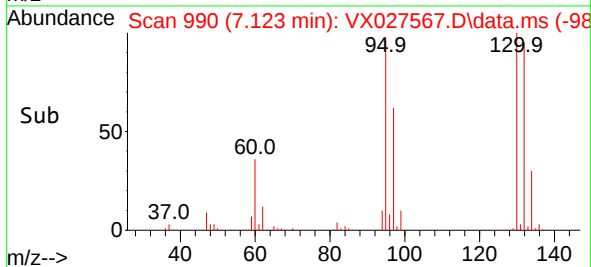
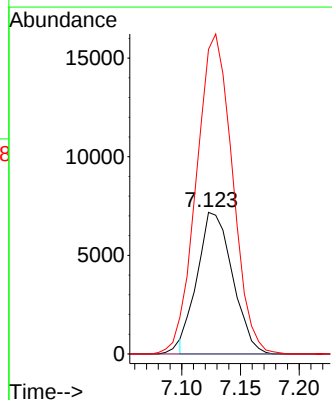
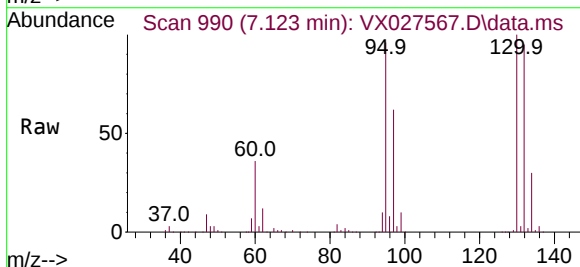
Instrument :
MSVOA_X
ClientSampleId :
RE-126D2-20220316

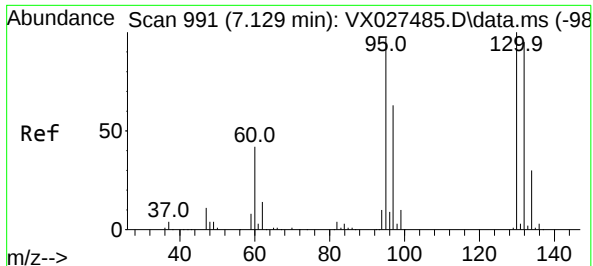
Tgt Ion:117 Resp: 2337
Ion Ratio Lower Upper
117 100
119 71.6 77.3 115.9#
121 16.8 24.2 36.2#



#39
Methylcyclohexane
Concen: 2.451 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

Tgt Ion: 83 Resp: 14949
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 214.3 37.4 56.2#

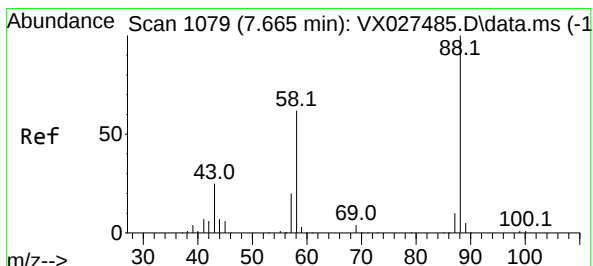
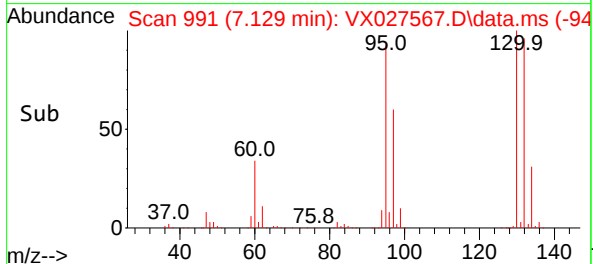
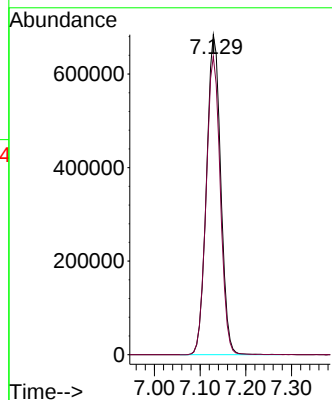
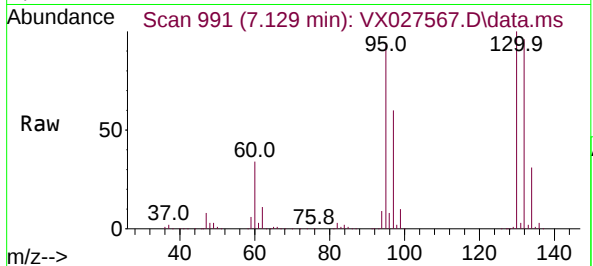




#44
Trichloroethene
Concen: 349.123 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

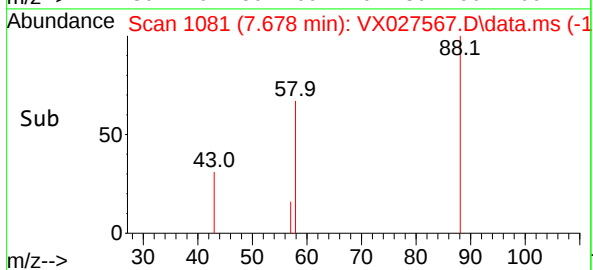
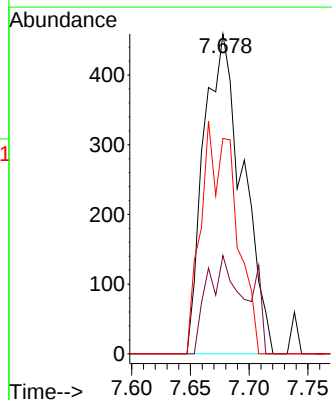
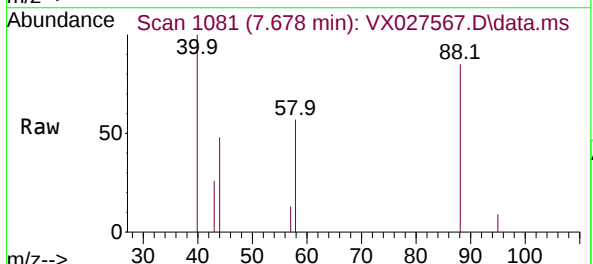
Instrument :
MSVOA_X
ClientSampleId :
RE-126D2-20220316

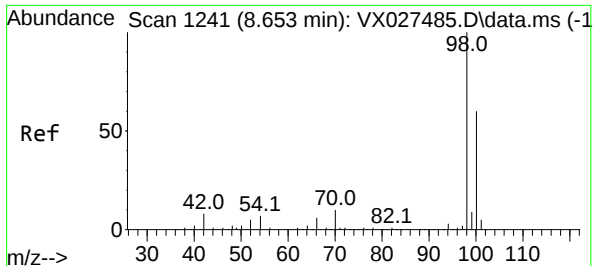
Tgt Ion:130 Resp: 1474454
Ion Ratio Lower Upper
130 100
95 93.2 0.0 188.8



#49
1,4-Dioxane
Concen: 10.693 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

Tgt Ion: 88 Resp: 1057
Ion Ratio Lower Upper
88 100
43 30.9 21.9 32.9
58 64.5 53.7 80.5





#50

Toluene-d8

Concen: 47.215 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX027567.D

Acq: 19 Mar 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

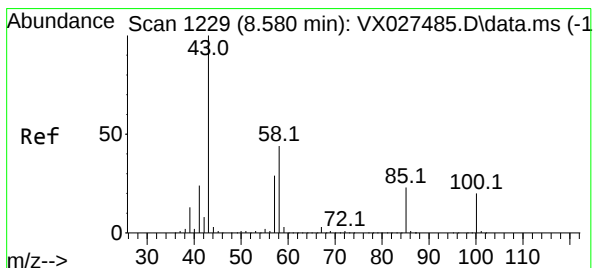
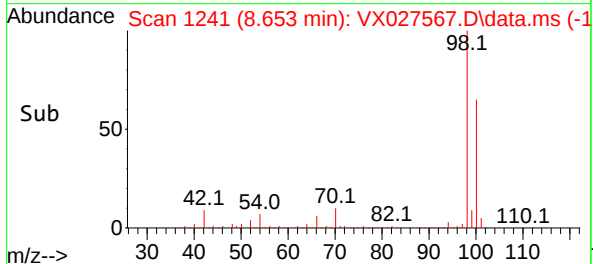
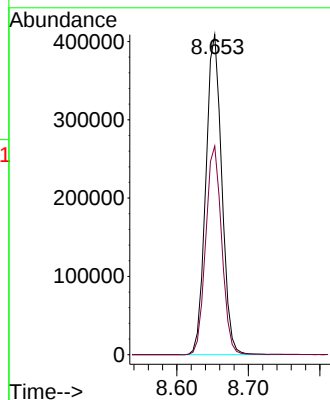
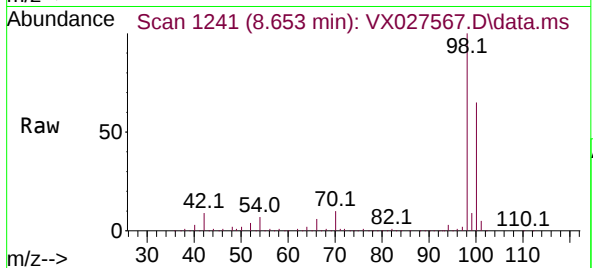
RE-126D2-20220316

Tgt Ion: 98 Resp: 634011

Ion Ratio Lower Upper

98 100

100 65.2 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.413 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX027567.D

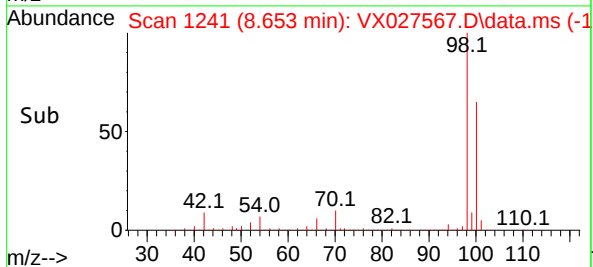
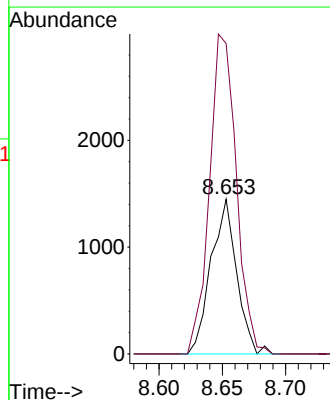
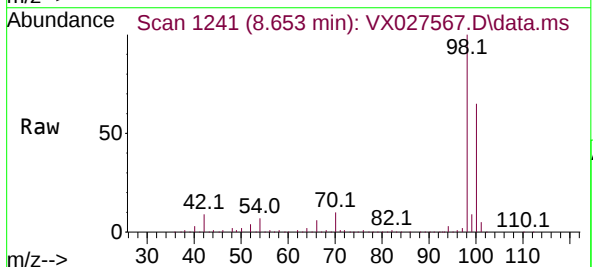
Acq: 19 Mar 2022 17:56

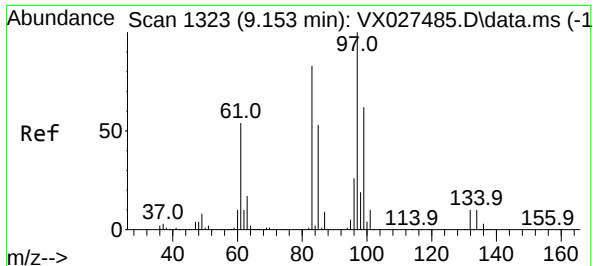
Tgt Ion: 43 Resp: 2051

Ion Ratio Lower Upper

43 100

58 215.6 36.1 54.1#





#55

1,1,2-Trichloroethane

Concen: 0.235 ug/l

RT: 9.153 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027567.D

Acq: 19 Mar 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

RE-126D2-20220316

Tgt Ion: 97 Resp: 893

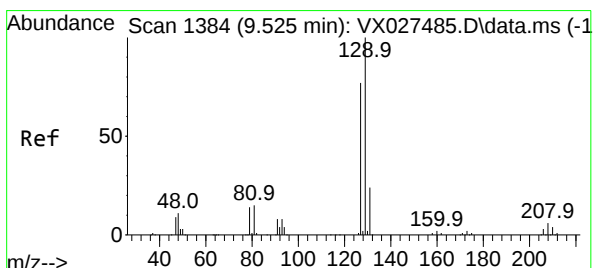
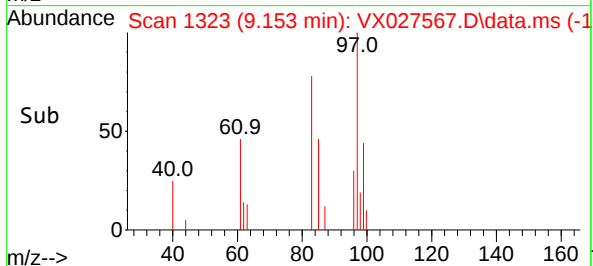
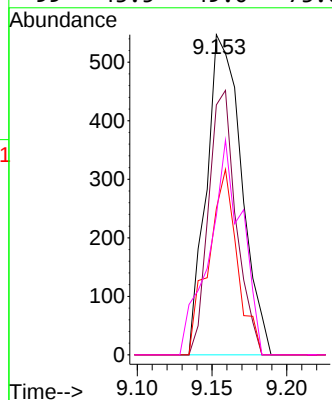
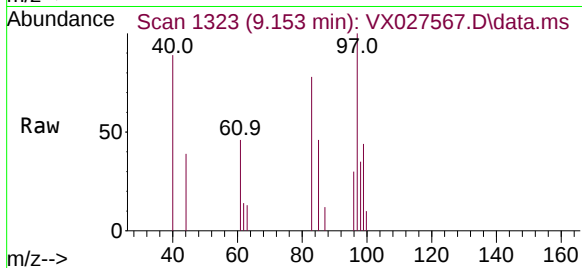
Ion Ratio Lower Upper

97 100

83 78.1 66.2 99.4

85 45.7 42.9 64.3

99 43.5 49.0 73.6#



#60

Dibromochloromethane

Concen: 0.687 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX027567.D

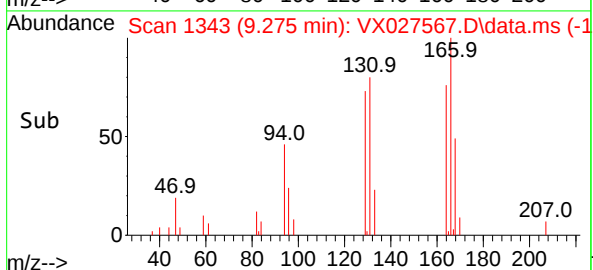
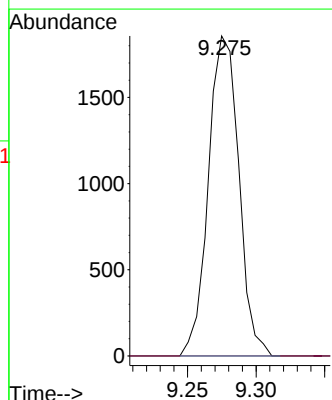
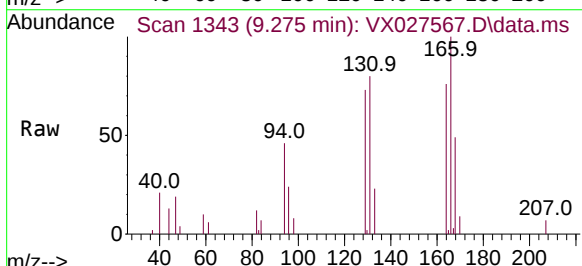
Acq: 19 Mar 2022 17:56

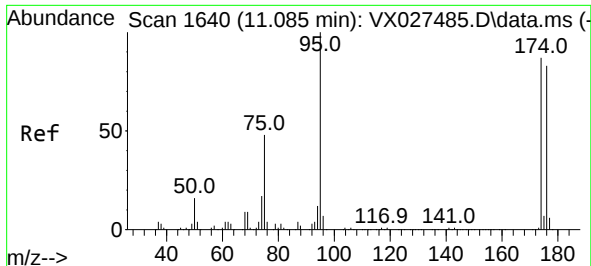
Tgt Ion: 129 Resp: 2871

Ion Ratio Lower Upper

129 100

127 0.0 40.3 120.8#

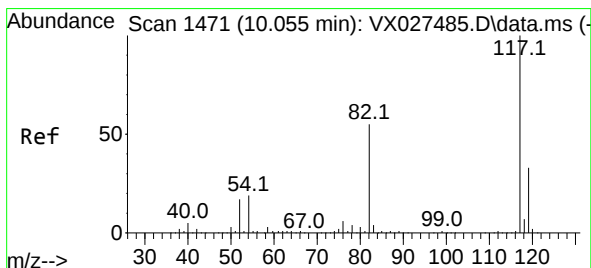
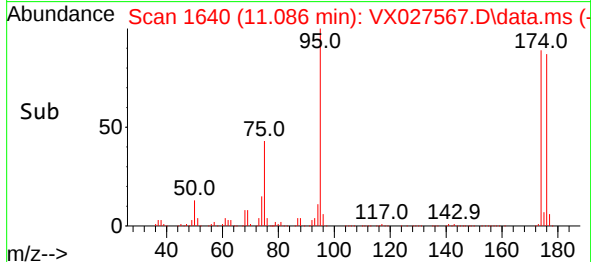
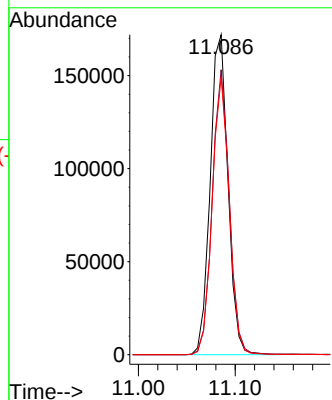
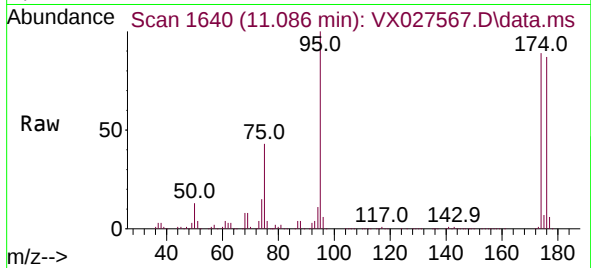




#62
4-Bromofluorobenzene
Concen: 44.593 ug/l
RT: 11.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

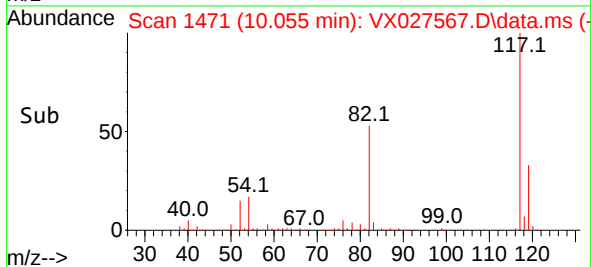
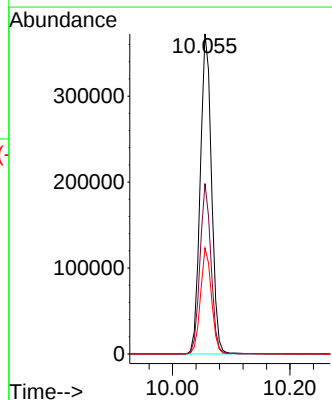
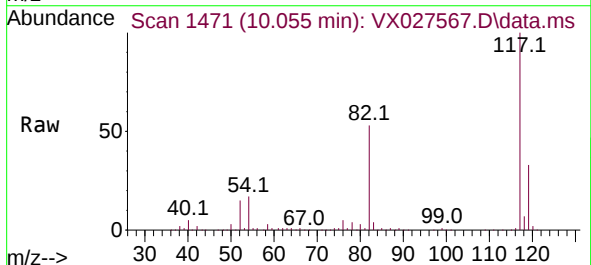
Instrument :
MSVOA_X
ClientSampleId :
RE-126D2-20220316

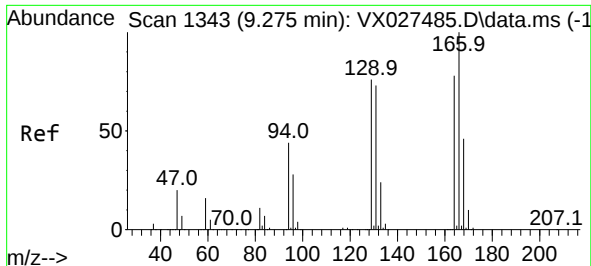
Tgt Ion: 95 Resp: 220092
Ion Ratio Lower Upper
95 100
174 85.2 0.0 163.0
176 83.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

Tgt Ion: 117 Resp: 497802
Ion Ratio Lower Upper
117 100
82 53.2 41.8 62.8
119 33.1 24.8 37.2



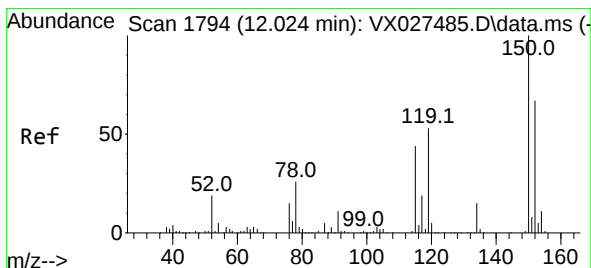
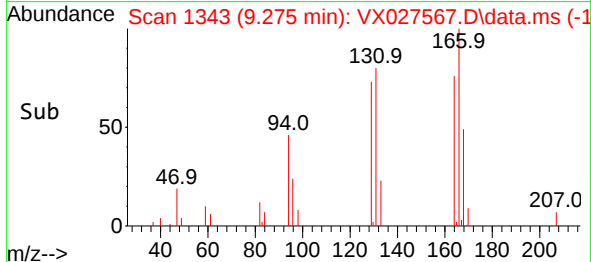
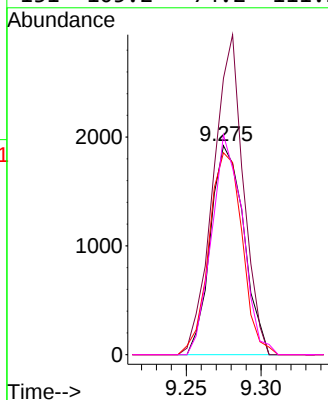
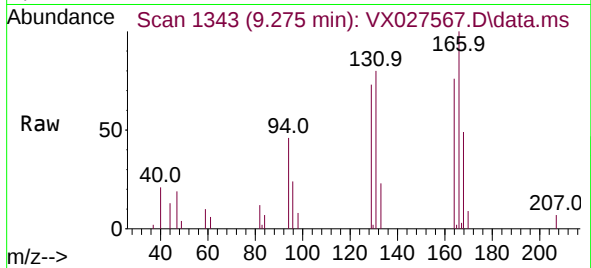


#64
Tetrachloroethene
Concen: 0.769 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

Instrument :
MSVOA_X
ClientSampleId :
RE-126D2-20220316

Tgt Ion:164 Resp: 2978

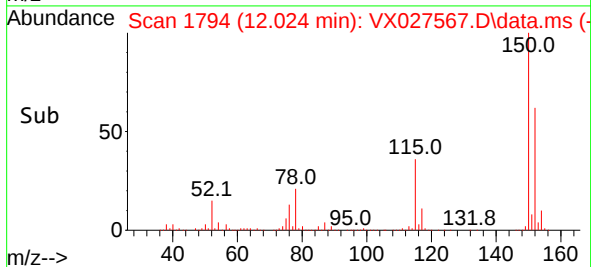
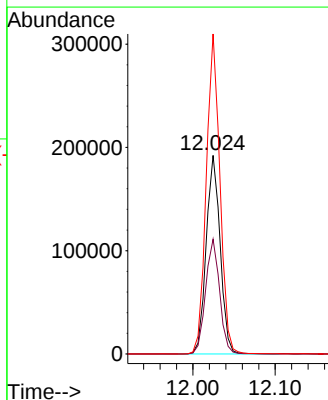
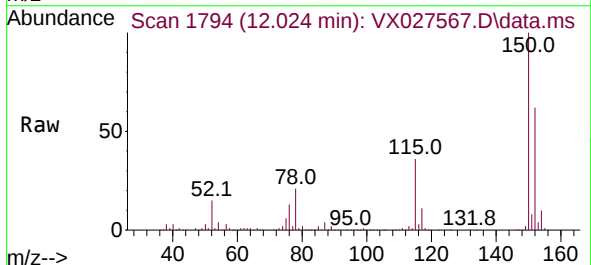
Ion	Ratio	Lower	Upper
164	100		
166	132.3	101.2	151.8
129	96.7	73.0	109.4
131	105.2	74.2	111.2

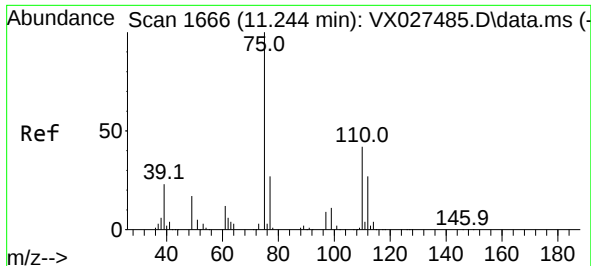


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

Tgt Ion:152 Resp: 226698

Ion	Ratio	Lower	Upper
152	100		
115	57.9	37.5	112.7
150	157.7	0.0	338.2

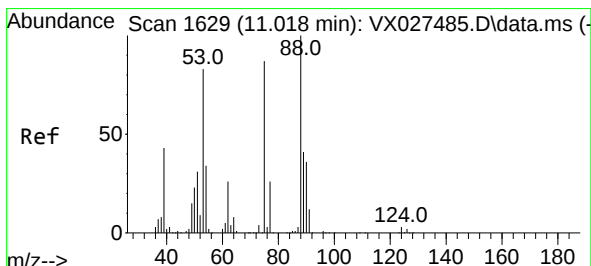
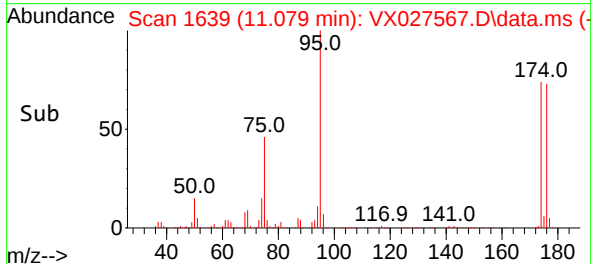
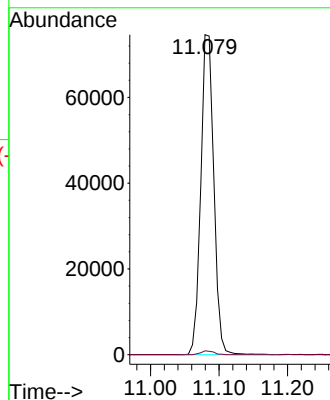
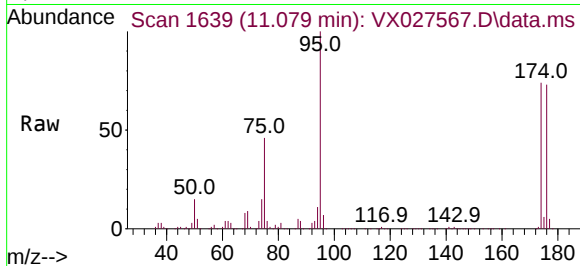




#76
1,2,3-Trichloropropane
Concen: 20.872 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

Instrument :
MSVOA_X
ClientSampleId :
RE-126D2-20220316

Tgt Ion: 75 Resp: 98971
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.390 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027567.D
Acq: 19 Mar 2022 17:56

Tgt Ion: 75 Resp: 98971
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#

