

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
 Data File : VX027554.D
 Acq On : 19 Mar 2022 12:48
 Operator : JC/MD
 Sample : N2000-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D4-20220315

Quant Time: Mar 21 01:20:40 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)

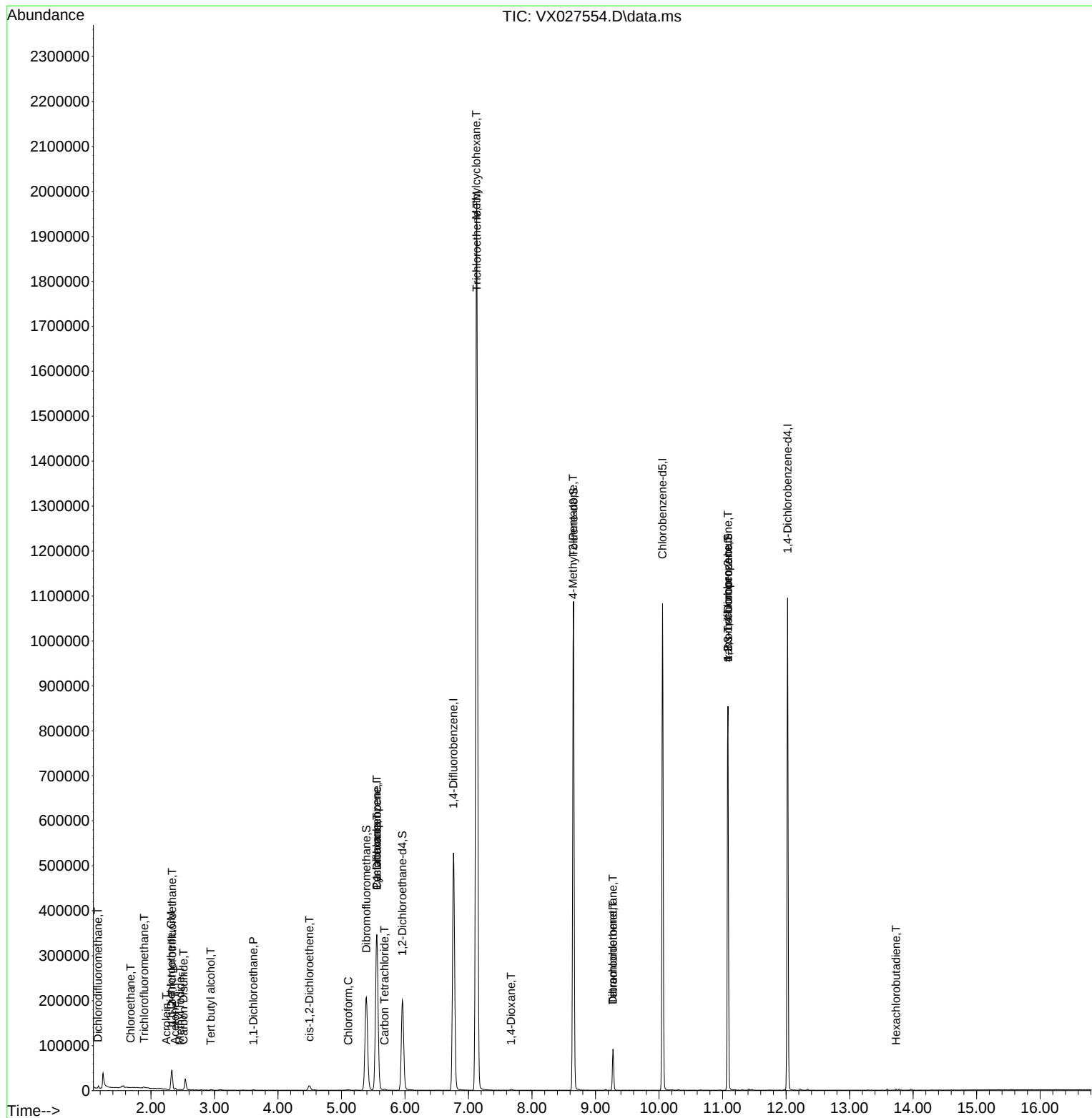
Internal Standards						
1) Pentafluorobenzene	5.556	168	355590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	565543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	506762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	231613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	194617	44.428	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.860%		
35) Dibromofluoromethane	5.391	113	186111	51.149	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.300%		
50) Toluene-d8	8.653	98	657961	47.786	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.580%		
62) 4-Bromofluorobenzene	11.085	95	232509	45.943	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1203	0.352	ug/l	74
5) Bromomethane	1.605	94	935	Below Cal		84
6) Chloroethane	1.678	64	594	0.276	ug/l #	43
7) Trichlorofluoromethane	1.892	101	1375	0.238	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	15731	4.571	ug/l	96
10) Methyl Iodide	2.459	142	1929	0.423	ug/l #	97
11) Tert butyl alcohol	2.940	59	976	1.169	ug/l #	72
12) 1,1-Dichloroethene	2.318	96	3054	0.925	ug/l	91
13) Acrolein	2.239	56	161	0.249	ug/l #	75
16) Acetone	2.379	43	3281	1.838	ug/l	91
17) Carbon Disulfide	2.514	76	1965	0.234	ug/l #	78
24) 1,1-Dichloroethane	3.611	63	1360	0.222	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	7548	1.848	ug/l	81
30) Chloroform	5.105	83	1704	0.252	ug/l	84
31) Cyclohexane	5.556	56	5419	0.996	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23465	4.719	ug/l #	50
38) Carbon Tetrachloride	5.678	117	1757	0.309	ug/l #	81
39) Methylcyclohexane	7.123	83	8641	1.382	ug/l #	1
44) Trichloroethene	7.129	130	804493	185.775	ug/l	100
49) 1,4-Dioxane	7.671	88	1848	18.232	ug/l	91
51) 4-Methyl-2-Pentanone	8.647	43	2518	0.495	ug/l #	1
60) Dibromochloromethane	9.275	129	17224	4.020	ug/l #	9
64) Tetrachloroethene	9.275	164	17101	4.340	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	112708	23.265	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	112708	70.656	ug/l #	15
94) Hexachlorobutadiene	13.731	225	446	0.205	ug/l	85

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

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315

Quant Time: Mar 21 01:20:40 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

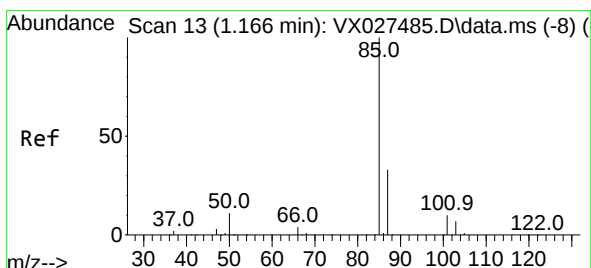
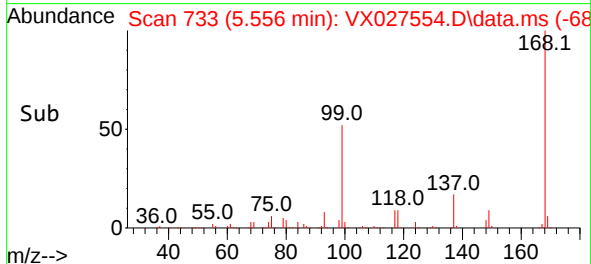
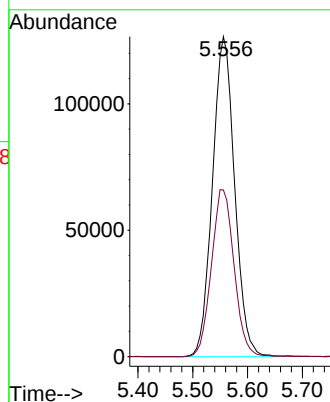
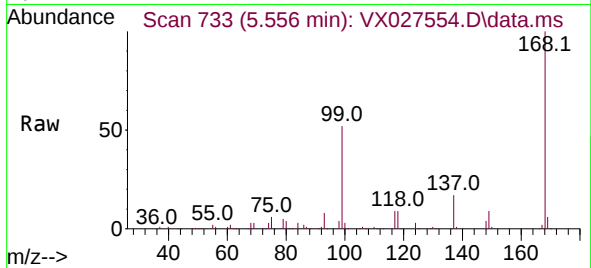




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

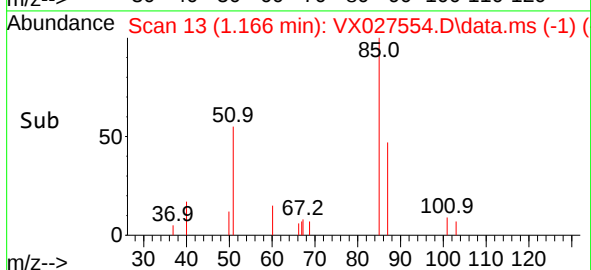
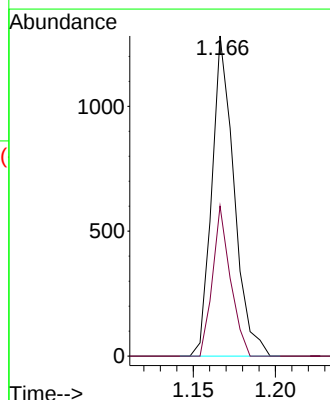
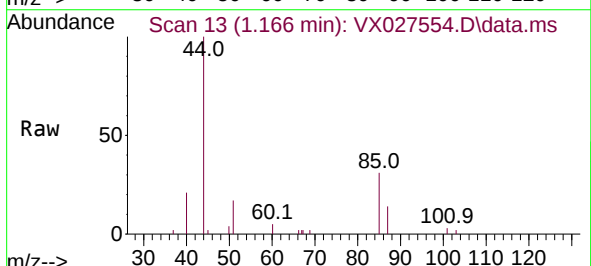
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315

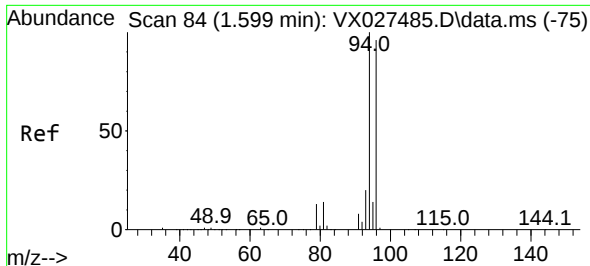
Tgt Ion:168 Resp: 355590
Ion Ratio Lower Upper
168 100
99 52.1 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.352 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Tgt Ion: 85 Resp: 1203
Ion Ratio Lower Upper
85 100
87 46.9 16.2 48.6

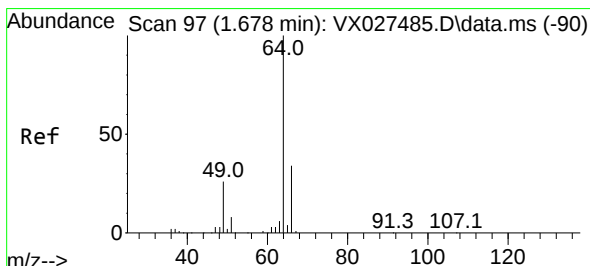
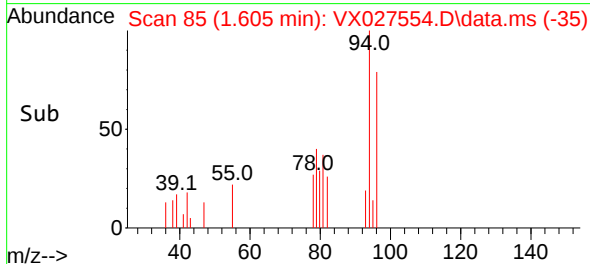
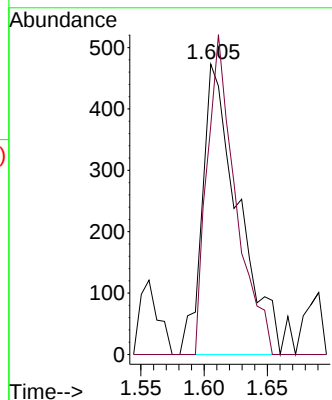
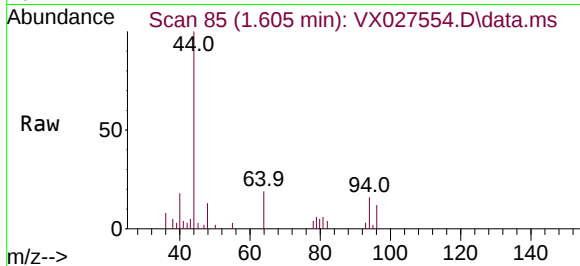




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

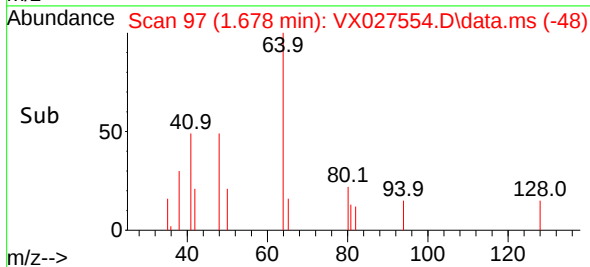
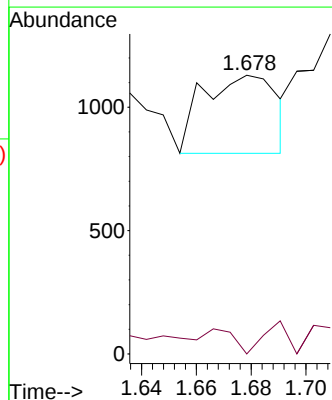
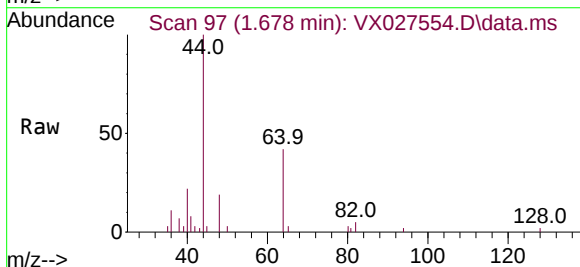
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315

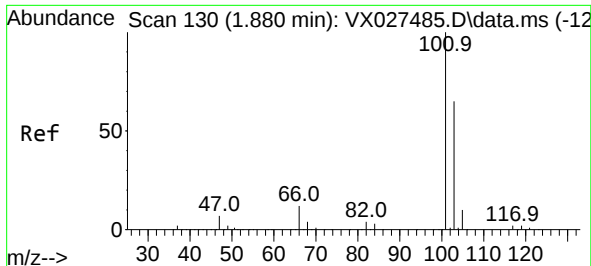
Tgt Ion: 94 Resp: 935
Ion Ratio Lower Upper
94 100
96 78.9 75.3 112.9



#6
Chloroethane
Concen: 0.276 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Tgt Ion: 64 Resp: 594
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9

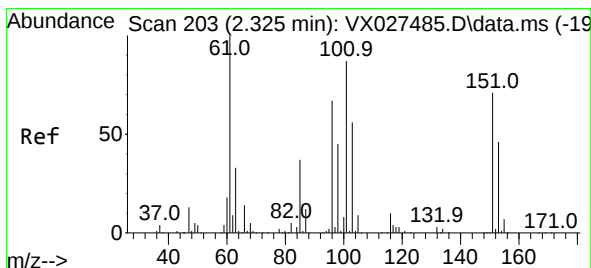
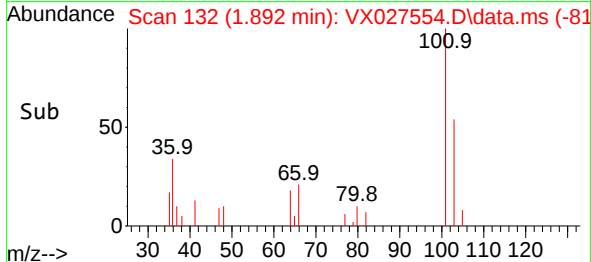
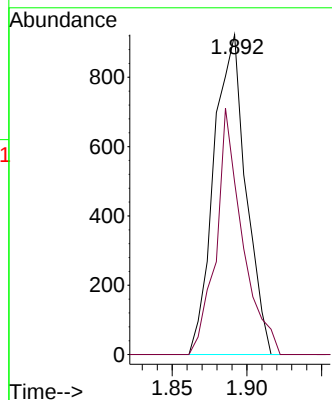
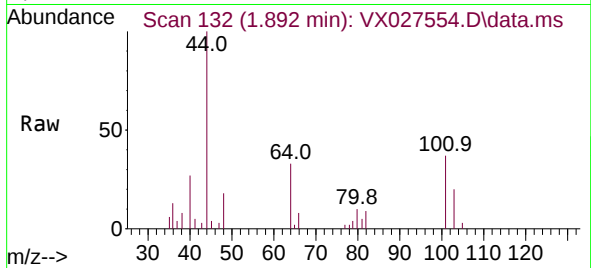




#7
 Trichlorofluoromethane
 Concen: 0.238 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX027554.D
 Acq: 19 Mar 2022 12:48

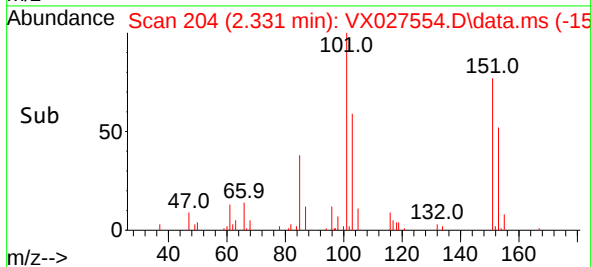
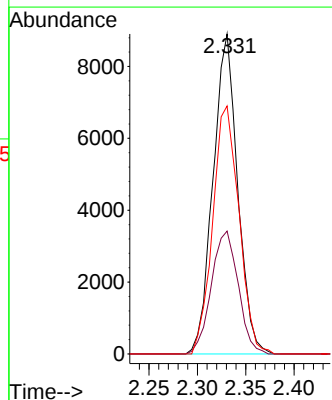
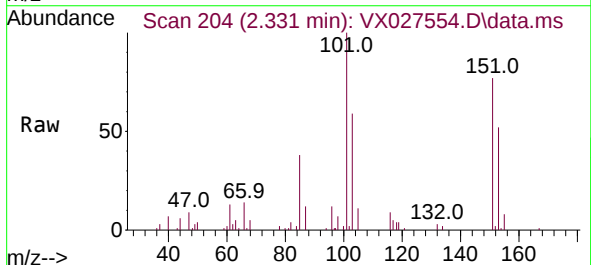
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D4-20220315

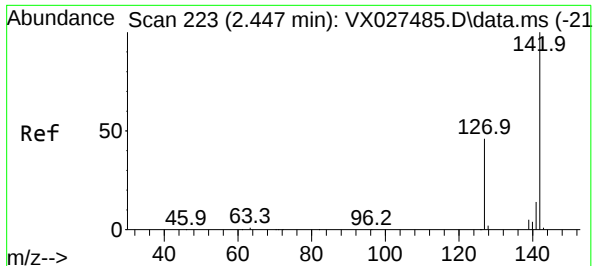
Tgt Ion:101 Resp: 1375
 Ion Ratio Lower Upper
 101 100
 103 54.0 50.5 75.7



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.571 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX027554.D
 Acq: 19 Mar 2022 12:48

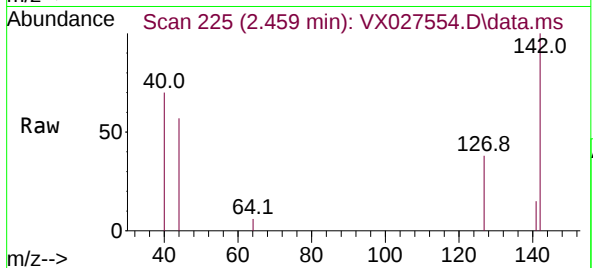
Tgt Ion:101 Resp: 15731
 Ion Ratio Lower Upper
 101 100
 85 41.9 33.5 50.3
 151 82.8 61.8 92.6



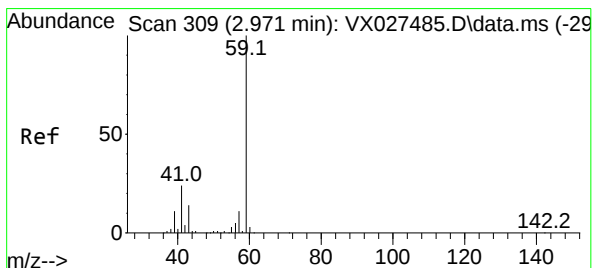
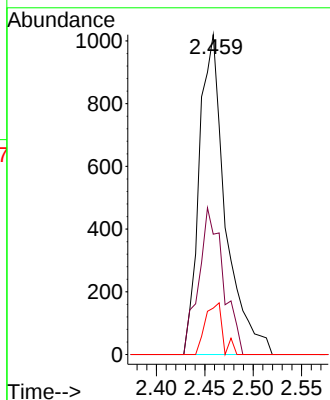
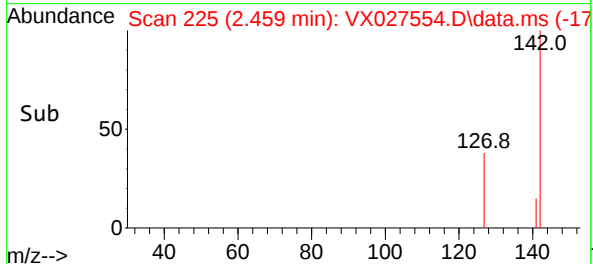


#10
Methyl Iodide
Concen: 0.423 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315

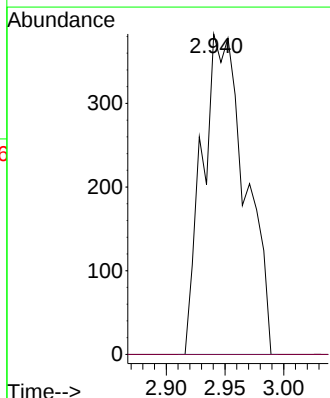
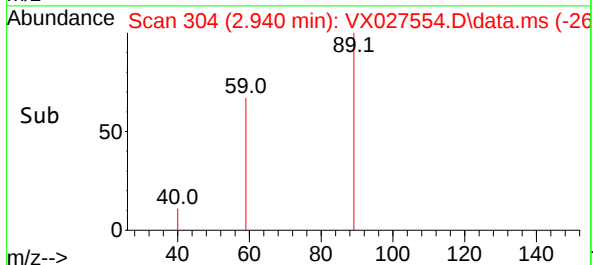
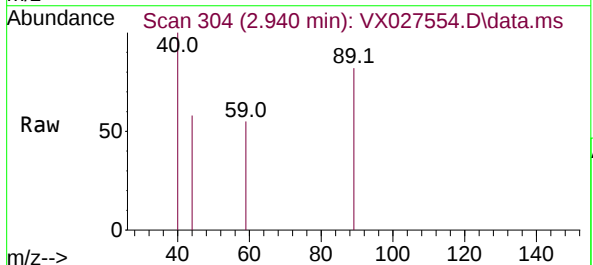


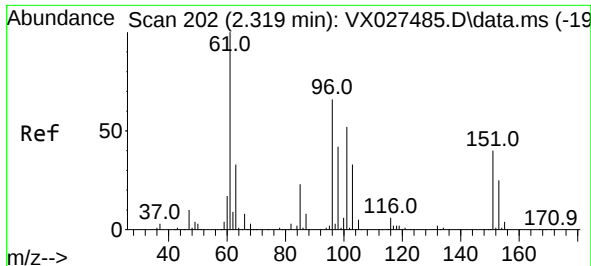
Tgt Ion:142 Resp: 1929
Ion Ratio Lower Upper
142 100
127 42.8 33.9 50.9
141 10.6 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.169 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.030 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Tgt Ion: 59 Resp: 976
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.925 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX027554.D

Acq: 19 Mar 2022 12:48

Instrument :

MSVOA_X

ClientSampleId :

RE-132D4-20220315

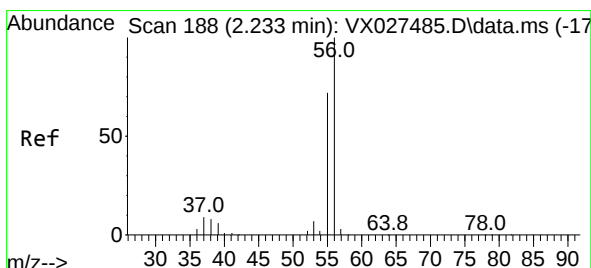
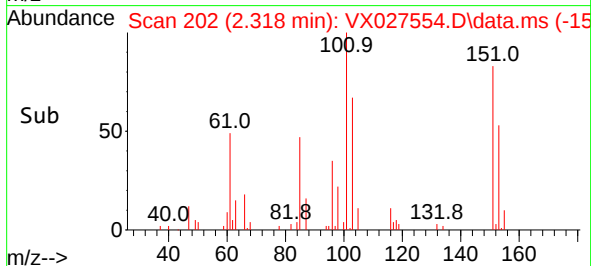
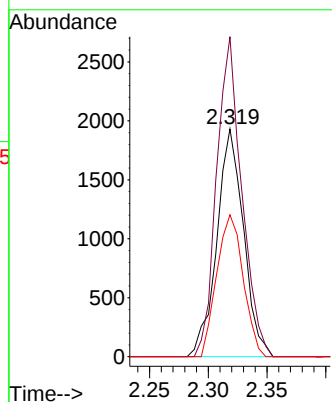
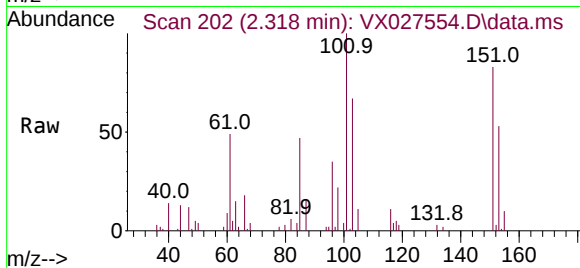
Tgt Ion: 96 Resp: 3054

Ion Ratio Lower Upper

96 100

61 140.5 124.6 187.0

98 62.4 51.0 76.4



#13

Acrolein

Concen: 0.249 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX027554.D

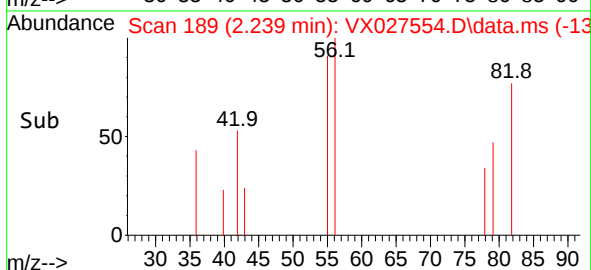
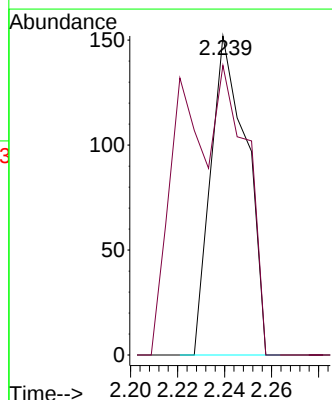
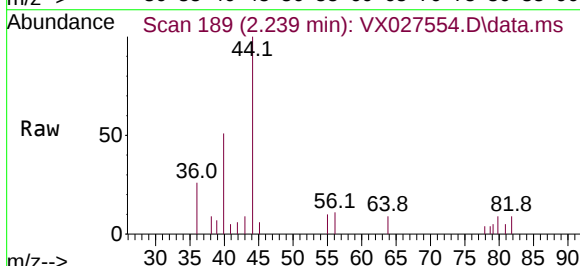
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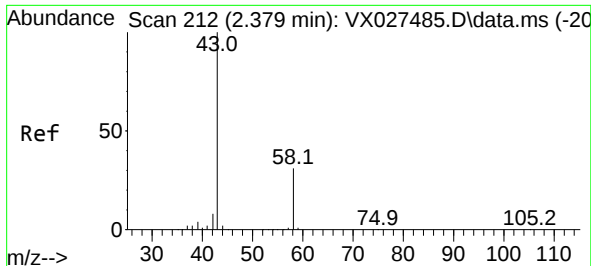
Tgt Ion: 56 Resp: 161

Ion Ratio Lower Upper

56 100

55 88.8 55.0 82.6#

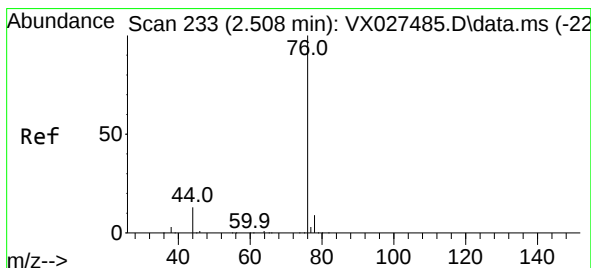
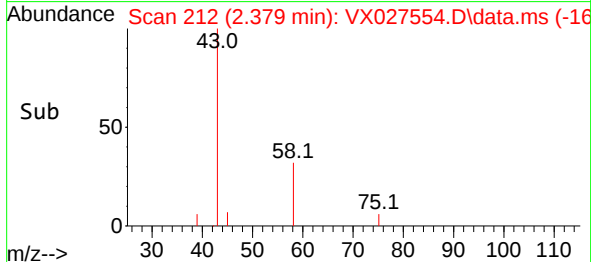
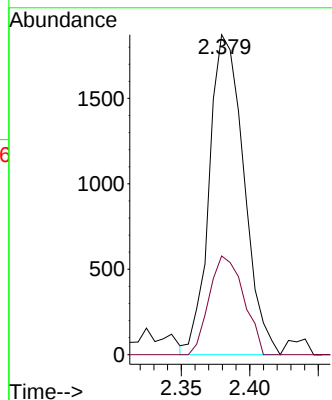
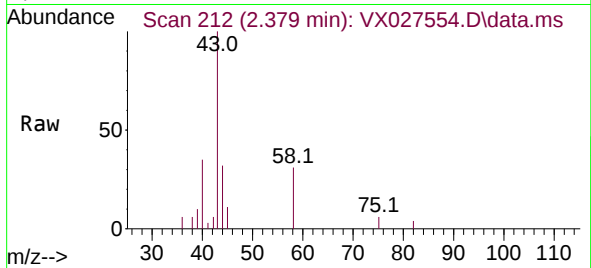




#16
Acetone
Concen: 1.838 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

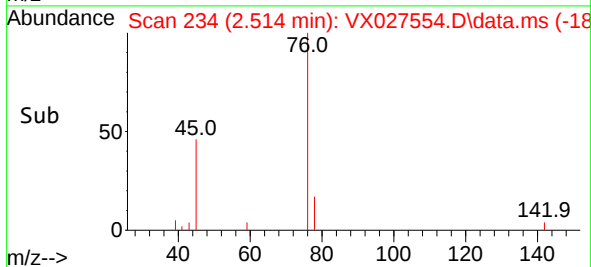
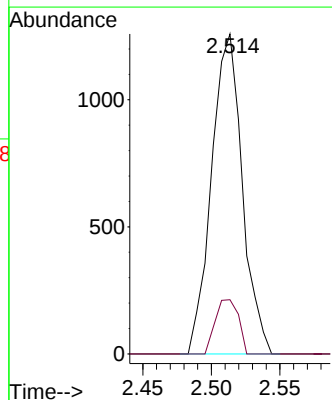
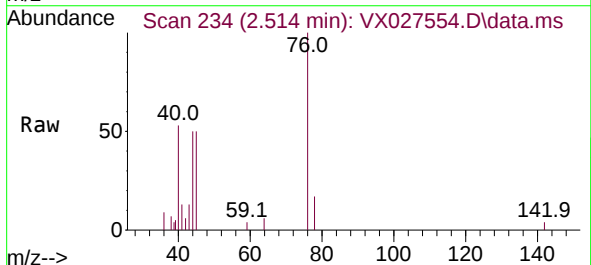
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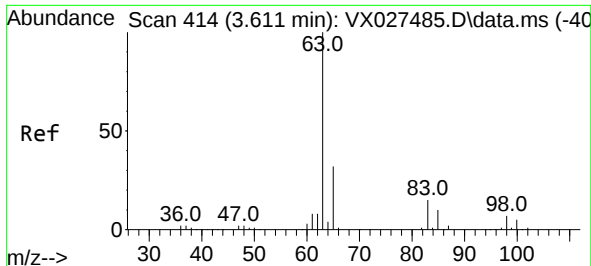
Tgt Ion: 43 Resp: 3281
Ion Ratio Lower Upper
43 100
58 30.9 28.8 43.2



#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Tgt Ion: 76 Resp: 1965
Ion Ratio Lower Upper
76 100
78 16.9 7.2 10.8

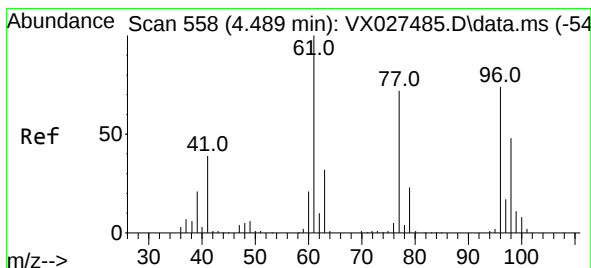
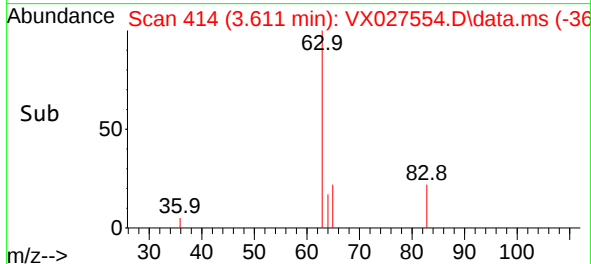
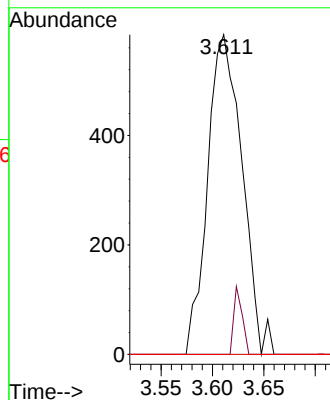
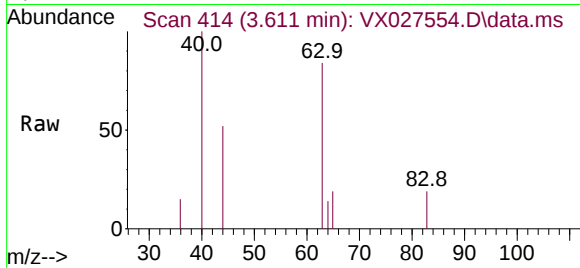




#24
1,1-Dichloroethane
Concen: 0.222 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

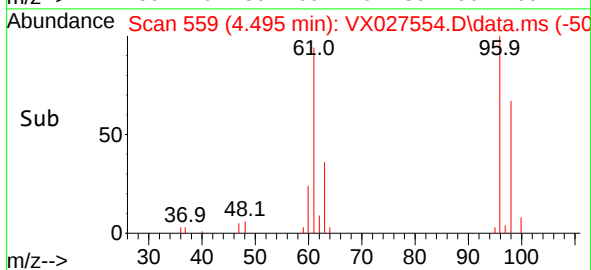
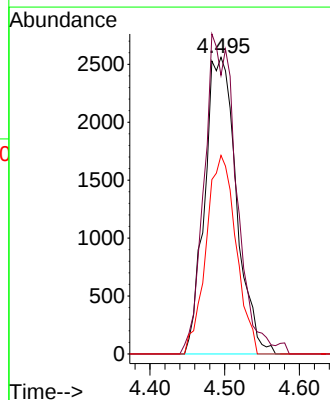
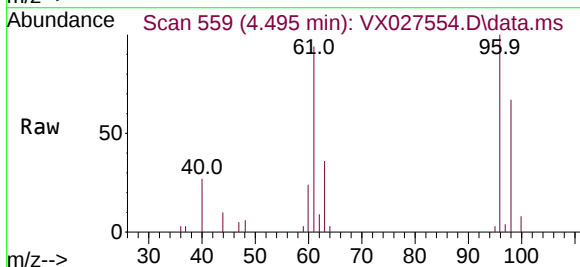
Instrument :
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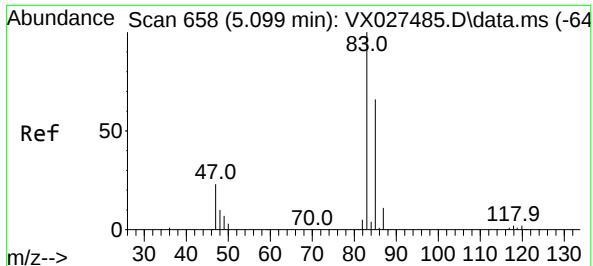
Tgt Ion: 63 Resp: 1360
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.4 7.2#



#27
cis-1,2-Dichloroethene
Concen: 1.848 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Tgt Ion: 96 Resp: 7548
Ion Ratio Lower Upper
96 100
61 109.3 0.0 283.8
98 63.0 0.0 129.8





#30

Chloroform

Concen: 0.252 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX027554.D

Acq: 19 Mar 2022 12:48

Instrument :

MSVOA_X

ClientSampleId :

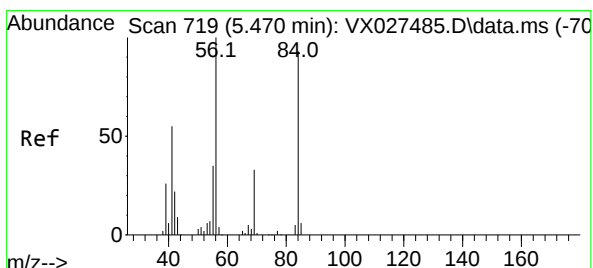
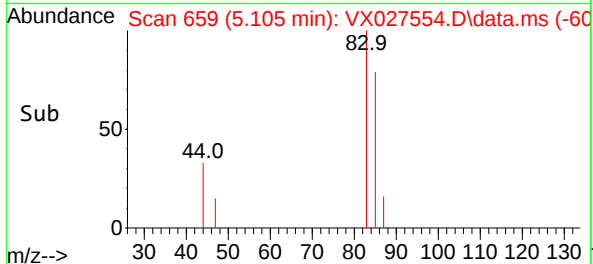
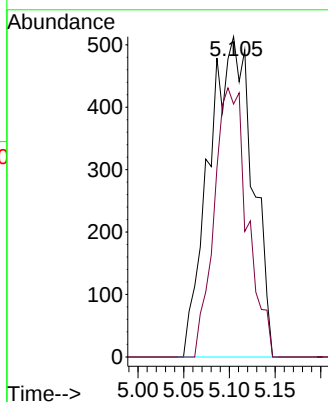
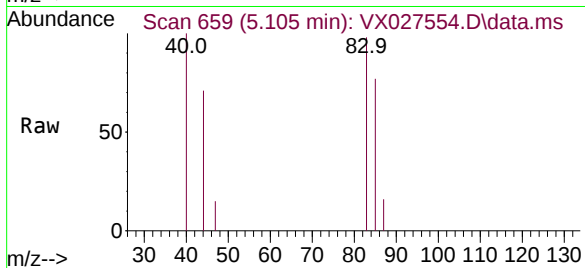
RE-132D4-20220315

Tgt Ion: 83 Resp: 1704

Ion Ratio Lower Upper

83 100

85 78.9 52.7 79.1



#31

Cyclohexane

Concen: 0.996 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX027554.D

Acq: 19 Mar 2022 12:48

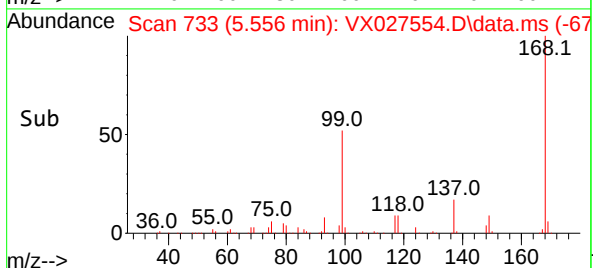
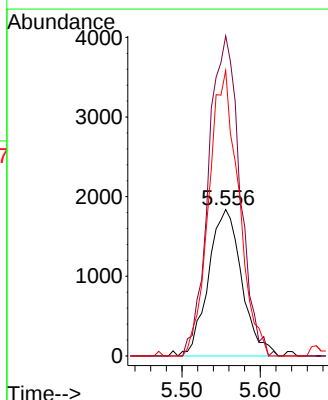
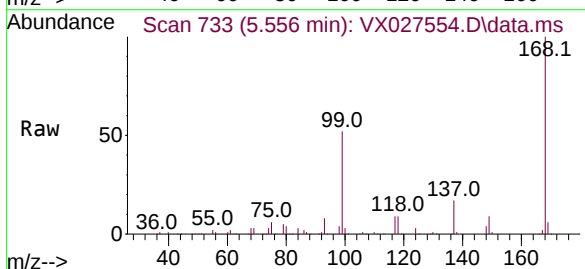
Tgt Ion: 56 Resp: 5419

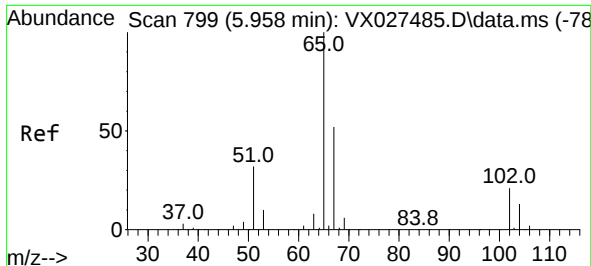
Ion Ratio Lower Upper

56 100

69 218.5 26.7 40.1#

84 194.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 44.428 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX027554.D

Acq: 19 Mar 2022 12:48

Instrument :

MSVOA_X

ClientSampleId :

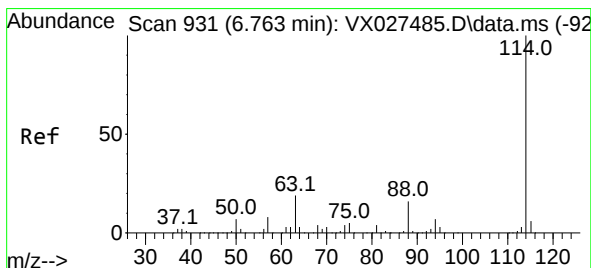
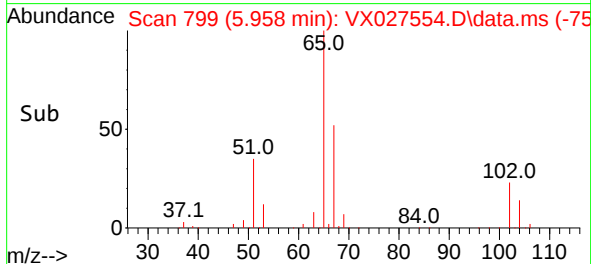
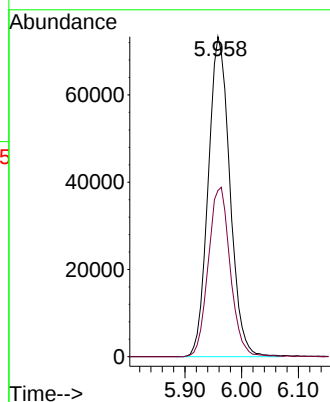
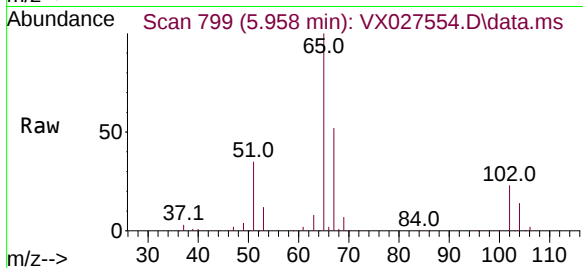
RE-132D4-20220315

Tgt Ion: 65 Resp: 194617

Ion Ratio Lower Upper

65 100

67 53.6 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: VX027554.D

Acq: 19 Mar 2022 12:48

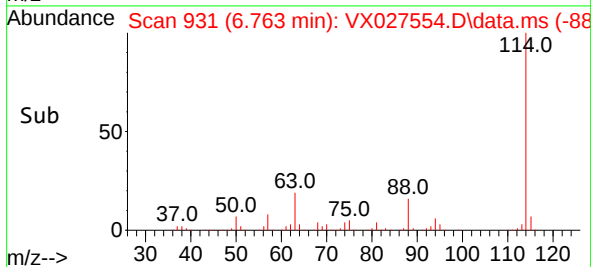
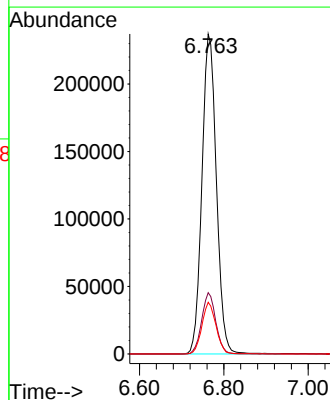
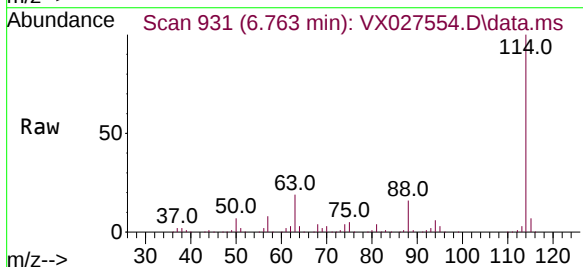
Tgt Ion: 114 Resp: 565543

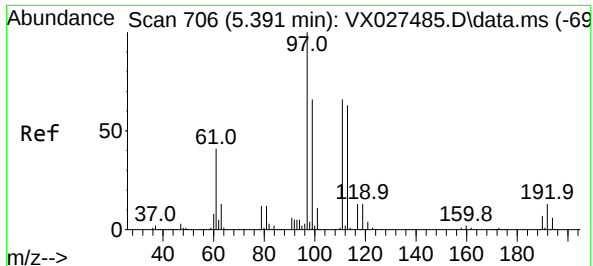
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.8

88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.149 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX027554.D

Acq: 19 Mar 2022 12:48

Instrument :

MSVOA_X

ClientSampleId :

RE-132D4-20220315

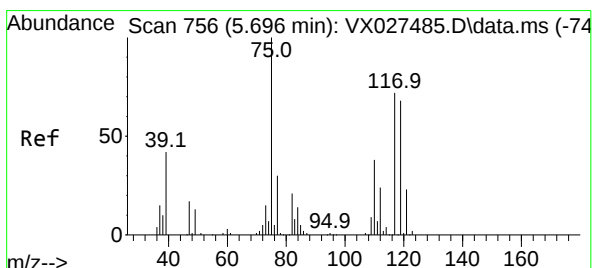
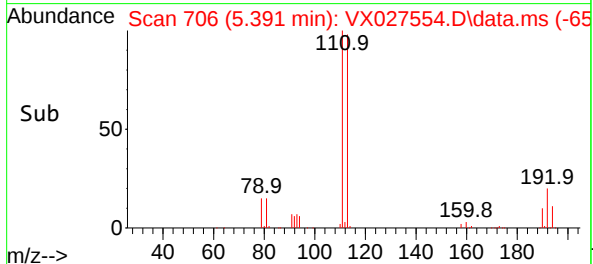
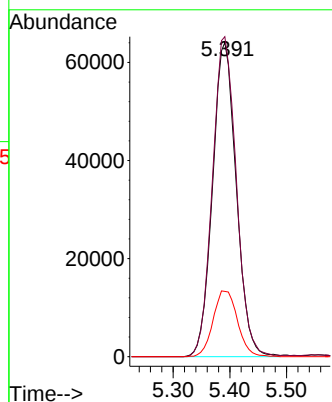
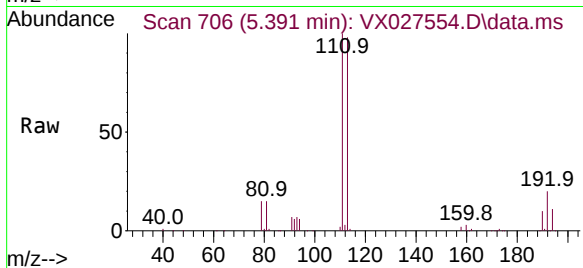
Tgt Ion:113 Resp: 186111

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 21.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.719 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027554.D

Acq: 19 Mar 2022 12:48

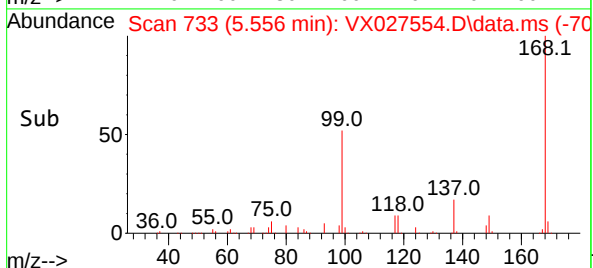
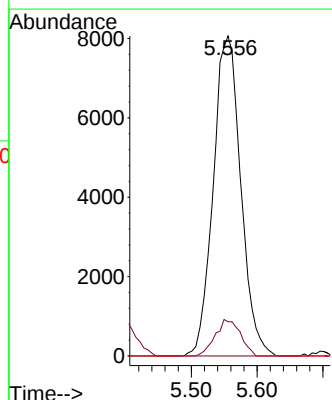
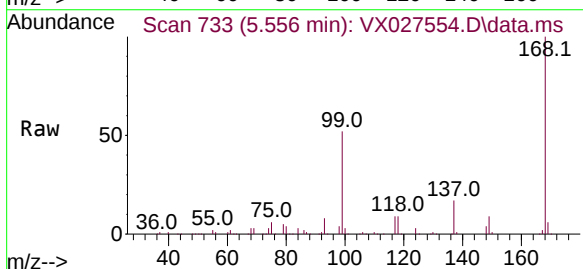
Tgt Ion: 75 Resp: 23465

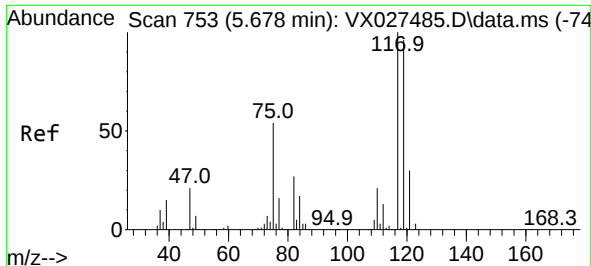
Ion Ratio Lower Upper

75 100

110 10.4 18.3 54.8#

77 0.0 24.8 37.2#

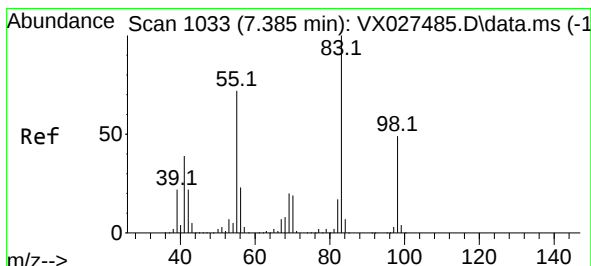
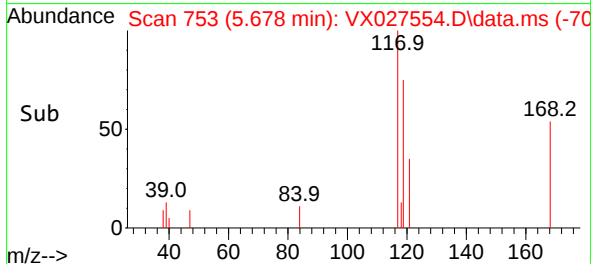
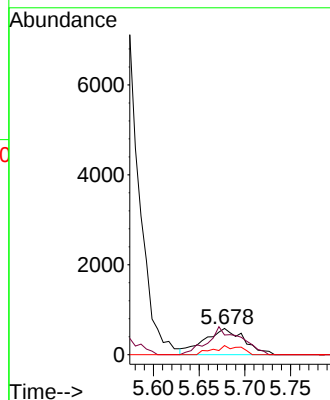
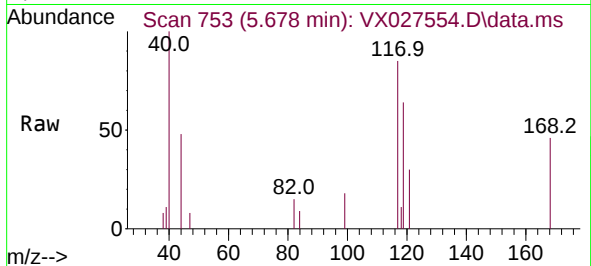




#38
Carbon Tetrachloride
Concen: 0.309 ug/l
RT: 5.678 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

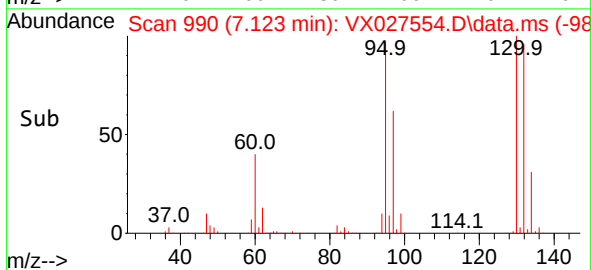
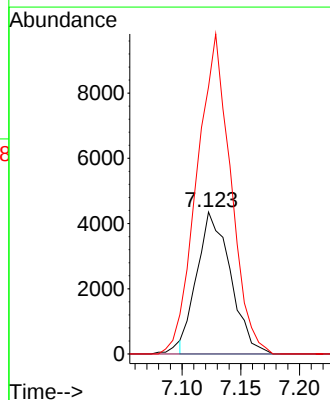
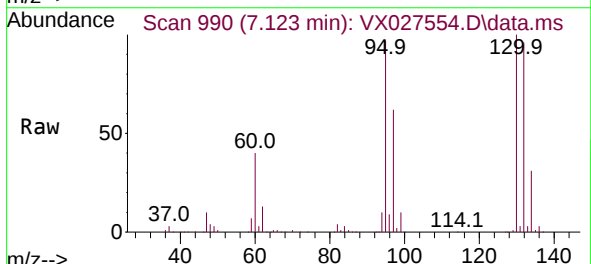
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315

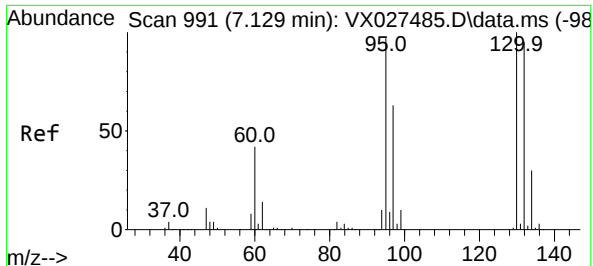
Tgt Ion:117 Resp: 1757
Ion Ratio Lower Upper
117 100
119 75.3 77.3 115.9#
121 35.0 24.2 36.2



#39
Methylcyclohexane
Concen: 1.382 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Tgt Ion: 83 Resp: 8641
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 188.2 37.4 56.2#

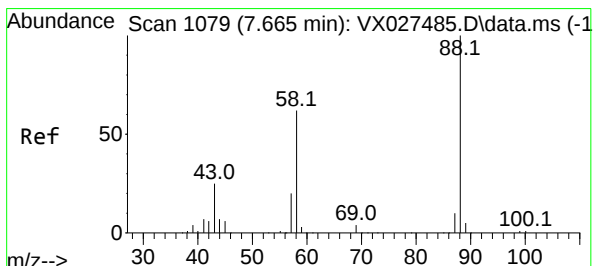
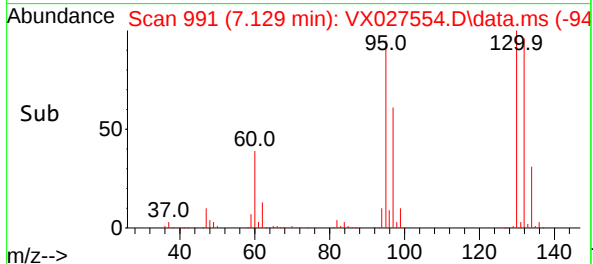
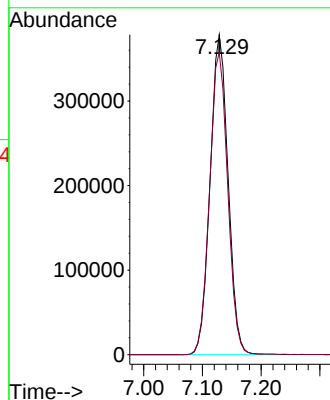
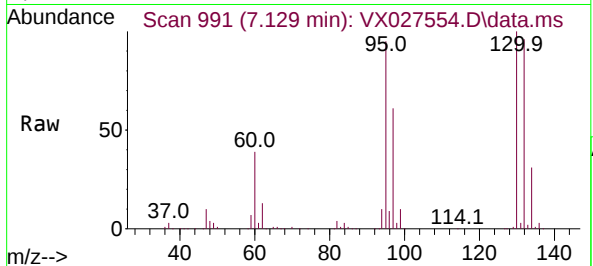




#44
Trichloroethene
Concen: 185.775 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

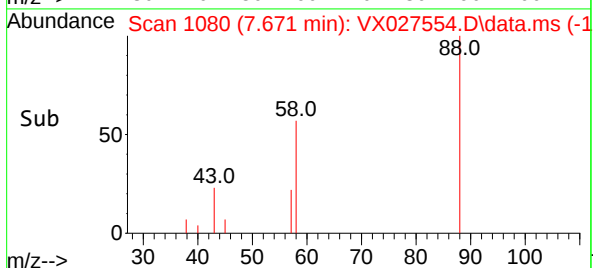
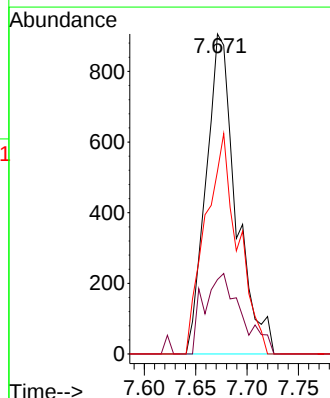
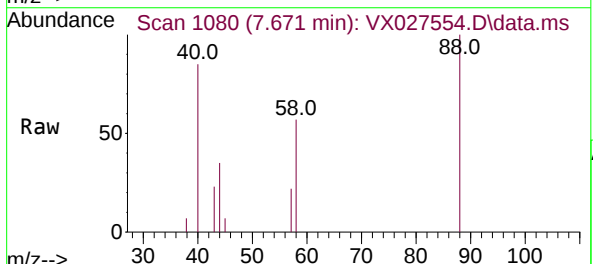
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315

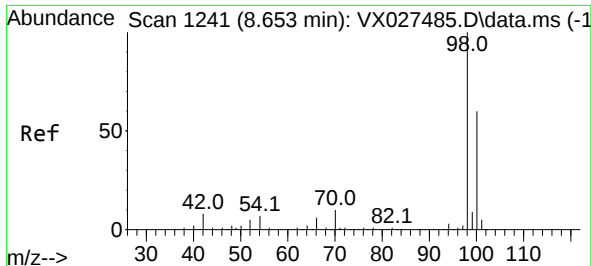
Tgt Ion:130 Resp: 804493
Ion Ratio Lower Upper
130 100
95 94.5 0.0 188.8



#49
1,4-Dioxane
Concen: 18.232 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Tgt Ion: 88 Resp: 1848
Ion Ratio Lower Upper
88 100
43 31.4 21.9 32.9
58 74.6 53.7 80.5

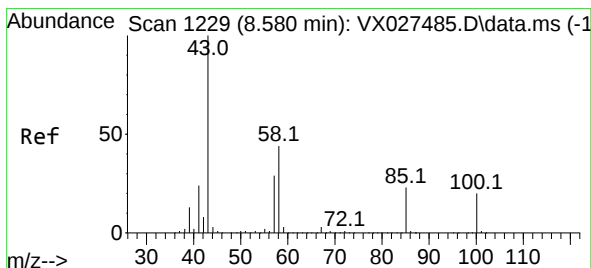
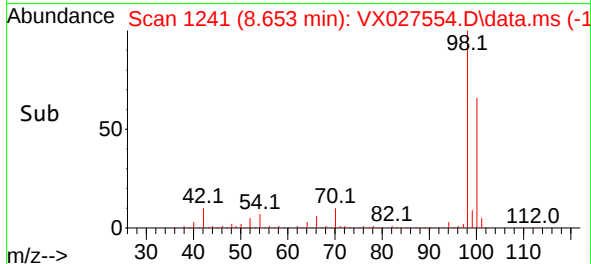
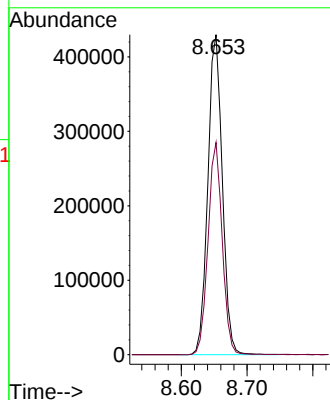
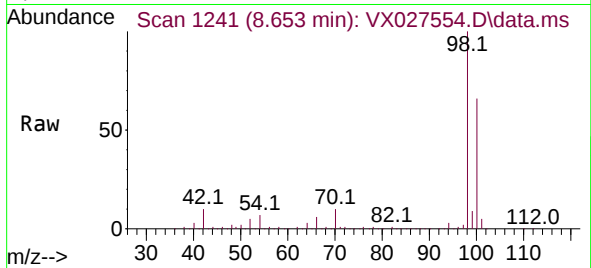




#50
Toluene-d8
Concen: 47.786 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

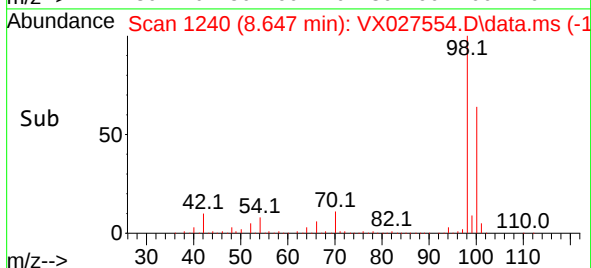
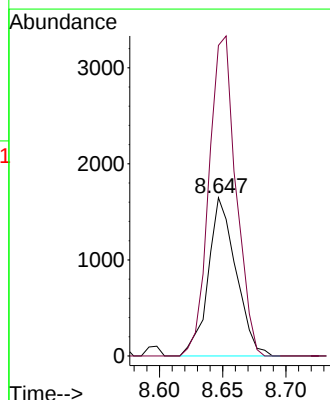
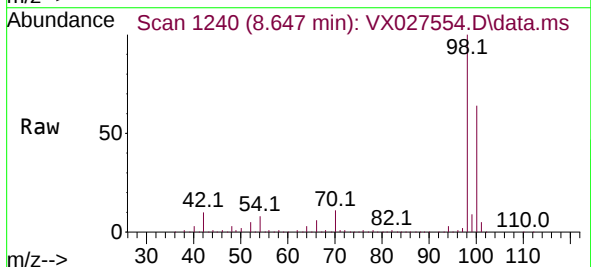
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315

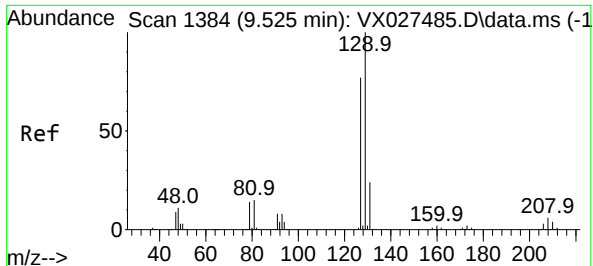
Tgt Ion: 98 Resp: 657961
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.495 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Tgt Ion: 43 Resp: 2518
Ion Ratio Lower Upper
43 100
58 196.9 36.1 54.1#

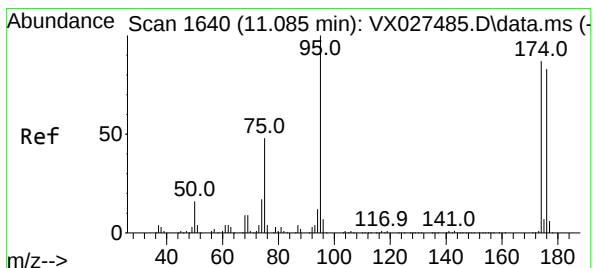
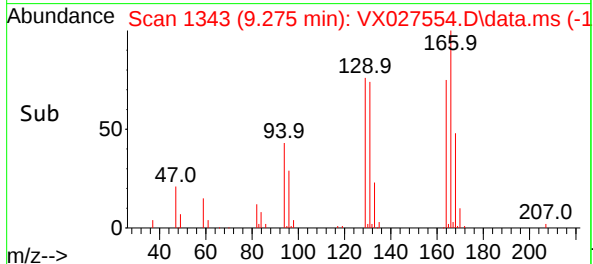
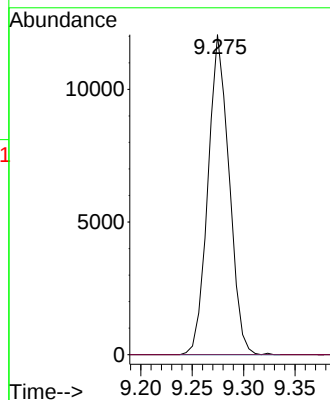
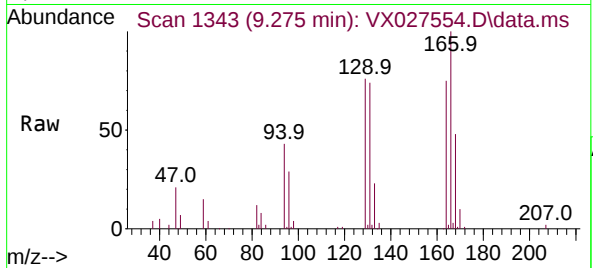




#60
Dibromochloromethane
Concen: 4.020 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

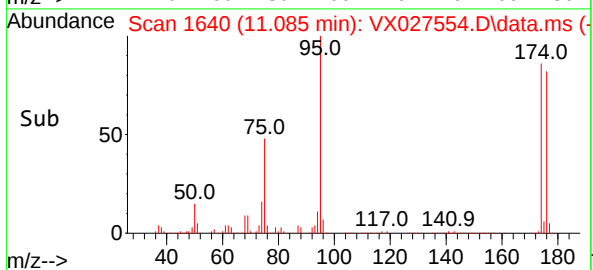
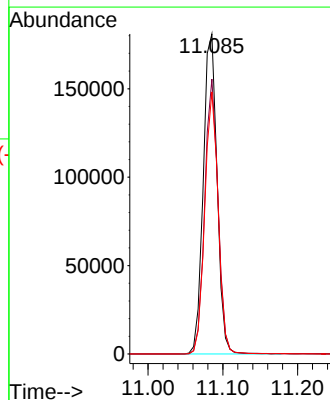
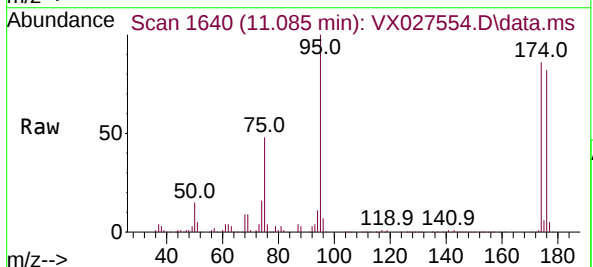
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315

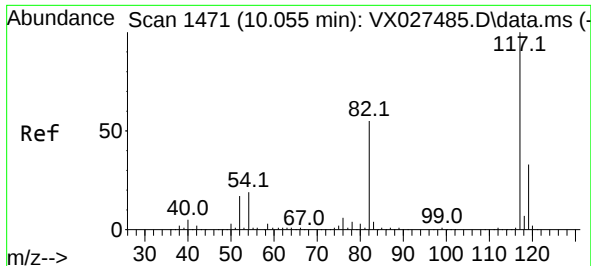
Tgt Ion:129 Resp: 17224
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 45.943 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Tgt Ion: 95 Resp: 232509
Ion Ratio Lower Upper
95 100
174 82.9 0.0 163.0
176 79.6 0.0 155.0

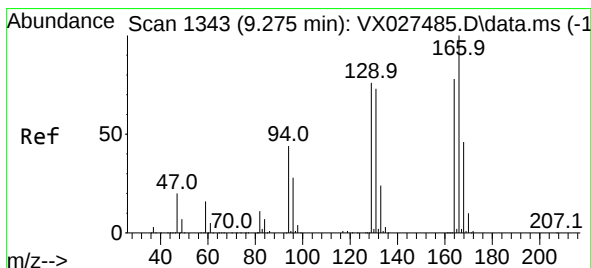
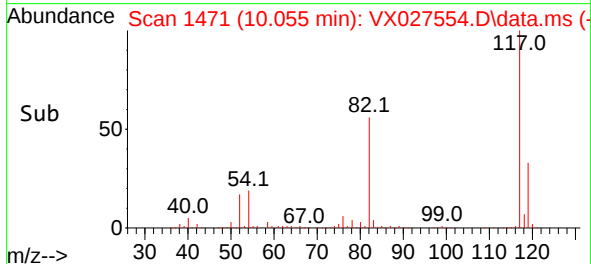
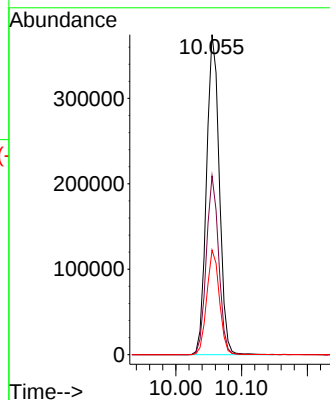
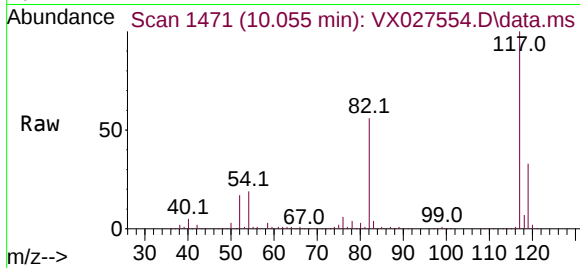




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

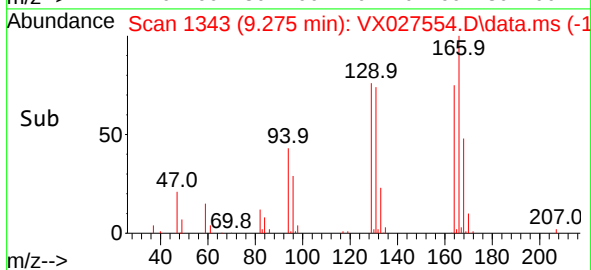
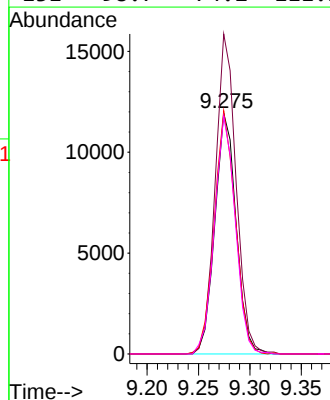
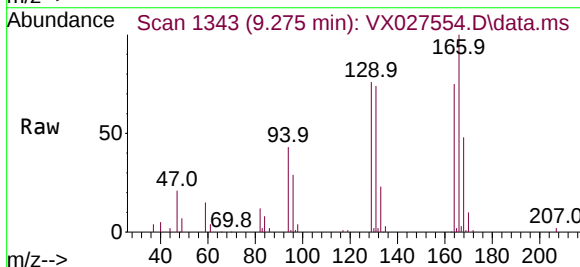
Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315

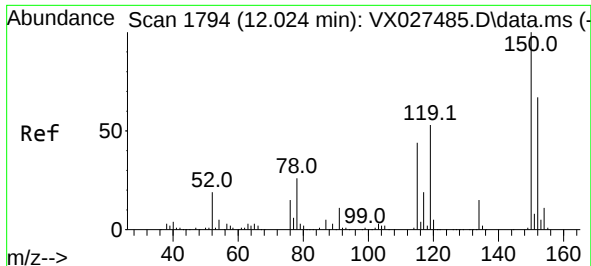
Tgt Ion:117 Resp: 506762
Ion Ratio Lower Upper
117 100
82 55.9 41.8 62.8
119 32.7 24.8 37.2



#64
Tetrachloroethene
Concen: 4.340 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Tgt Ion:164 Resp: 17101
Ion Ratio Lower Upper
164 100
166 132.9 101.2 151.8
129 101.0 73.0 109.4
131 98.7 74.2 111.2

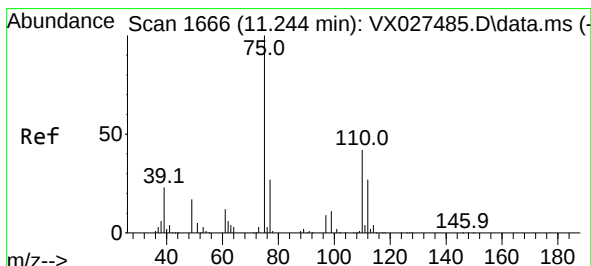
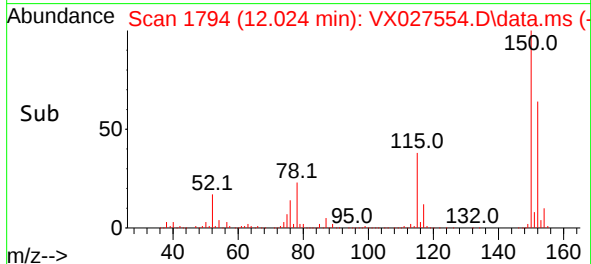
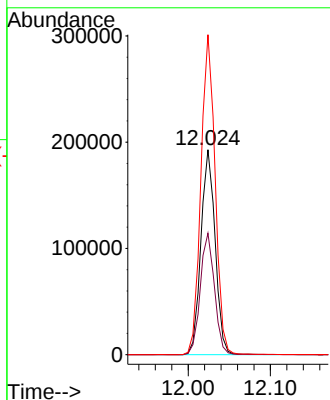
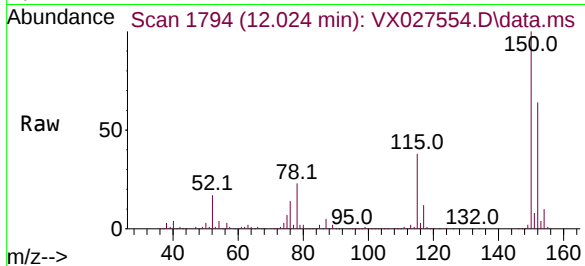




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX027554.D
 Acq: 19 Mar 2022 12:48

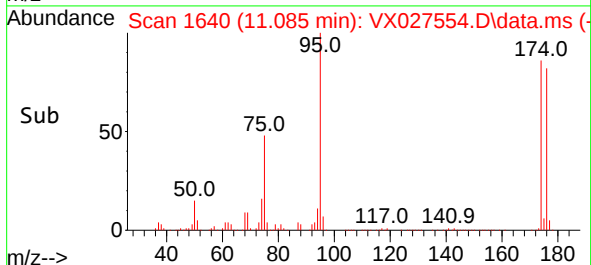
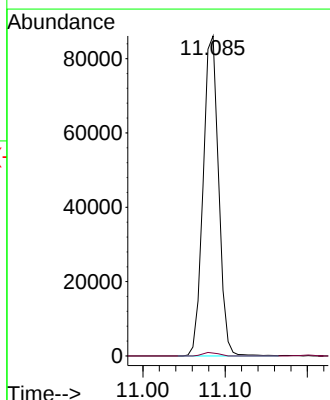
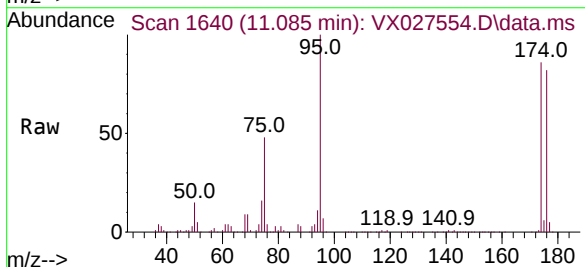
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D4-20220315

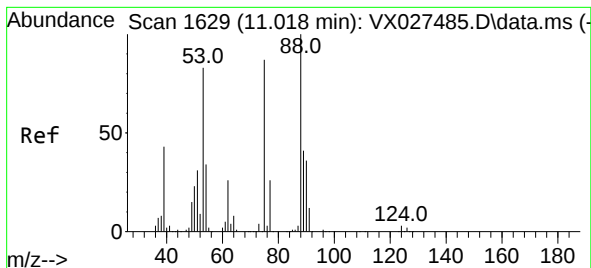
Tgt Ion:152 Resp: 231613
 Ion Ratio Lower Upper
 152 100
 115 59.2 37.5 112.7
 150 156.4 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.265 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX027554.D
 Acq: 19 Mar 2022 12:48

Tgt Ion: 75 Resp: 112708
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

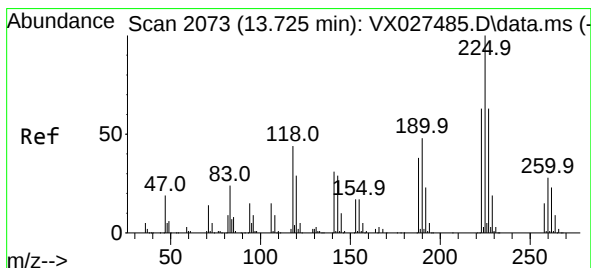
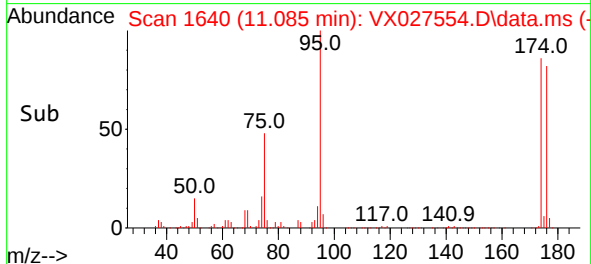
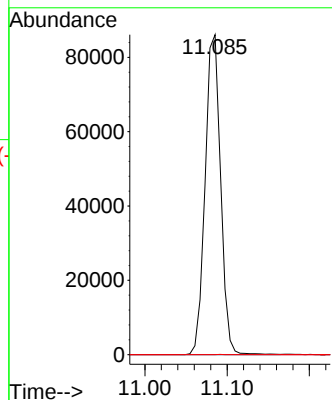
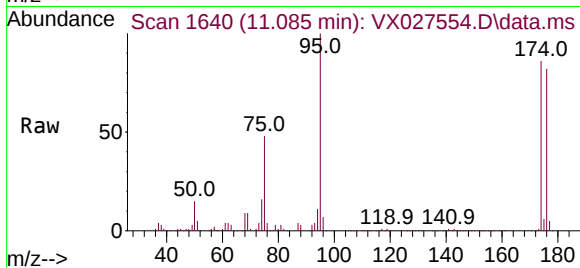




#81
trans-1,4-Dichloro-2-butene
Concen: 70.656 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Instrument :
MSVOA_X
ClientSampleId :
RE-132D4-20220315

Tgt Ion: 75 Resp: 112708
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#94
Hexachlorobutadiene
Concen: 0.205 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX027554.D
Acq: 19 Mar 2022 12:48

Tgt Ion: 225 Resp: 446
Ion Ratio Lower Upper
225 100
223 74.0 34.2 102.5
227 86.3 33.9 101.7

