

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024485.D
 Acq On : 24 Sep 2021 06:12
 Operator : JC/MD
 Sample : M3829-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D2-20210918

Quant Time: Sep 24 07:45:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

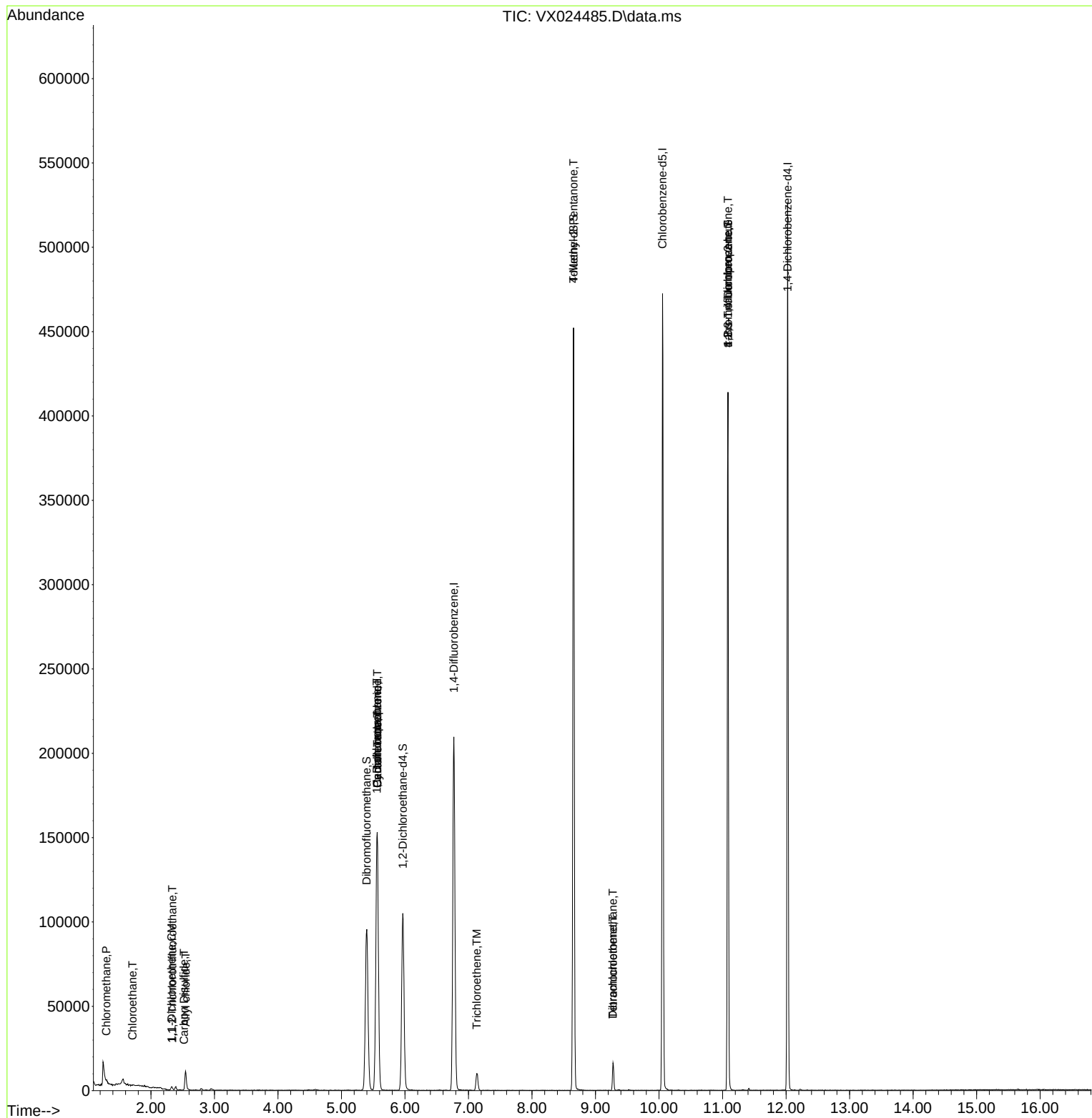
Internal Standards						
1) Pentafluorobenzene	5.562	168	144016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	207785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104396	51.433	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.860%	
35) Dibromofluoromethane	5.397	113	84066	60.901	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 121.800%	
50) Toluene-d8	8.653	98	254304	50.055	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.120%	
62) 4-Bromofluorobenzene	11.085	95	107267	53.699	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	422	0.309	ug/l #	87
6) Chloroethane	1.709	64	236	0.505	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	519	0.365	ug/l	91
11) Tert butyl alcohol	2.953	59	590	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	375	0.284	ug/l #	60
14) Allyl chloride	2.544	41	1080	0.447	ug/l #	44
16) Acetone	2.392	43	2154	Below Cal		99
17) Carbon Disulfide	2.520	76	214	0.290	ug/l #	75
20) Methylene Chloride	2.788	84	444	Below Cal	#	80
31) Cyclohexane	5.562	56	3062	1.260	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10911	5.478	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15239	7.028	ug/l #	15
44) Trichloroethene	7.129	130	4277	2.729	ug/l	88
51) 4-Methyl-2-Pentanone	8.653	43	1284	0.514	ug/l #	1
60) Dibromochloromethane	9.275	129	3025	2.898	ug/l #	11
64) Tetrachloroethene	9.275	164	2861	2.003	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	55900	23.465	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55900	64.108	ug/l #	12

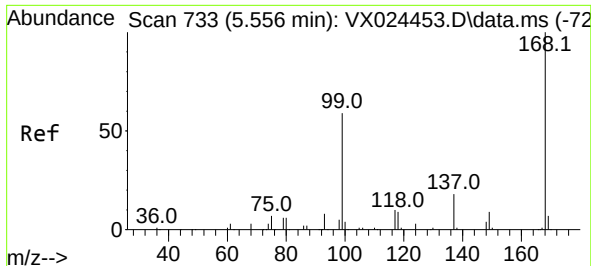
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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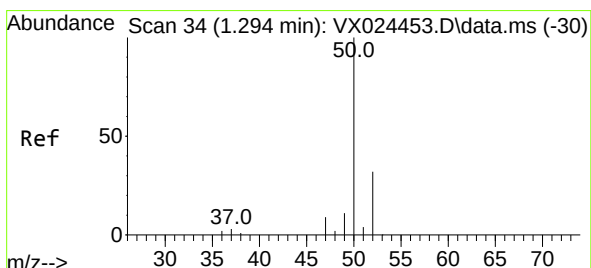
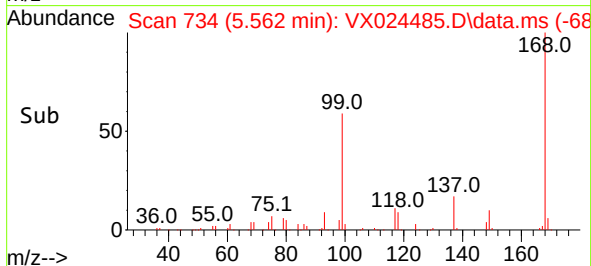
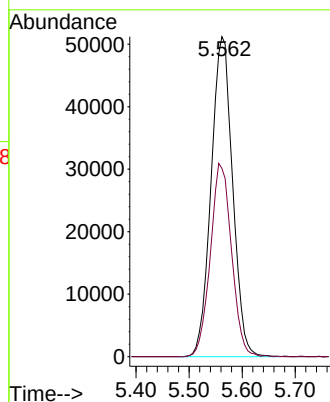
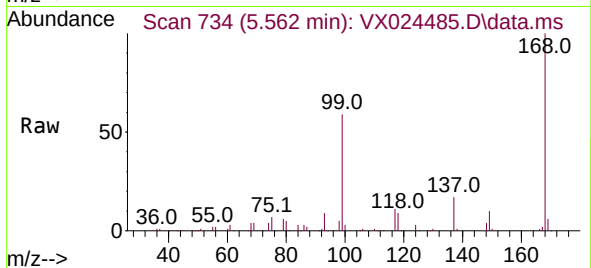




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

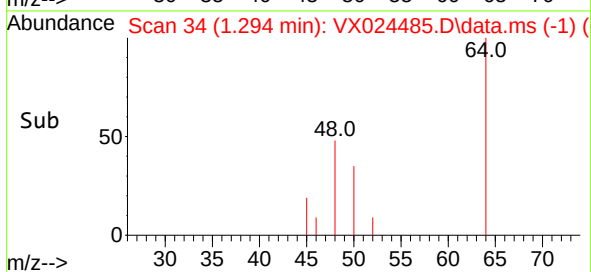
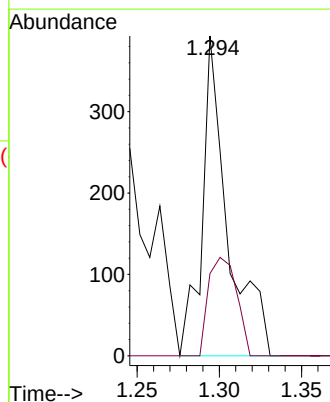
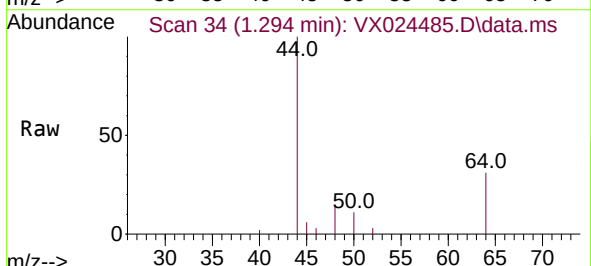
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210918

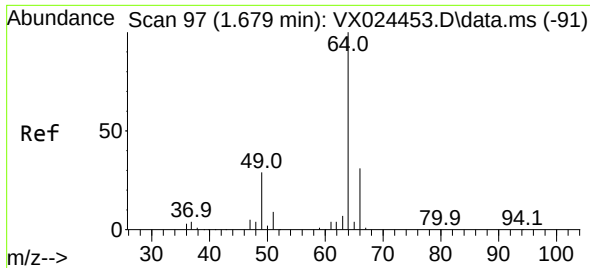
Tgt Ion:168 Resp: 144016
Ion Ratio Lower Upper
168 100
99 58.8 45.8 68.6



#3
Chloromethane
Concen: 0.309 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Tgt Ion: 50 Resp: 422
Ion Ratio Lower Upper
50 100
52 25.7 26.4 39.6#

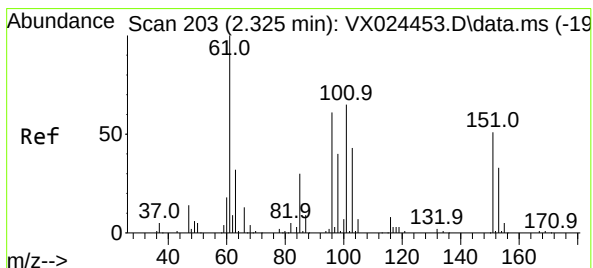
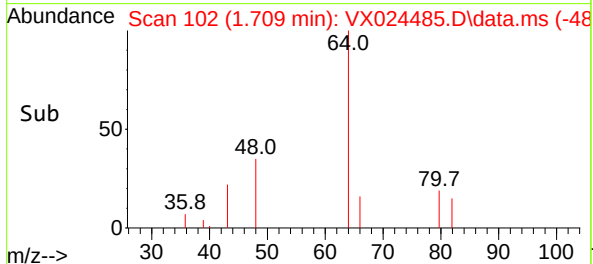
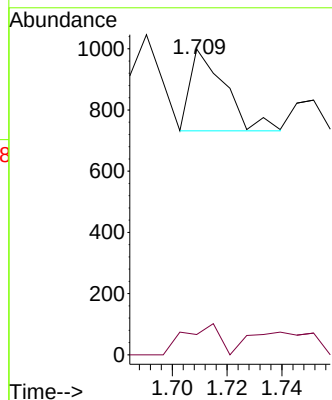
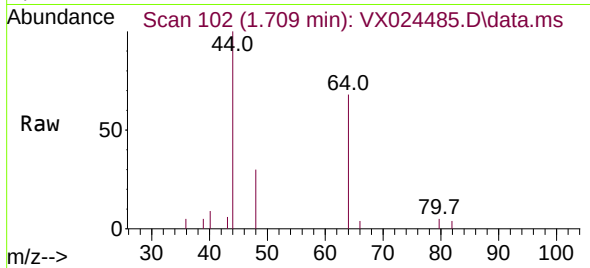




#6
Chloroethane
Concen: 0.505 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.030 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

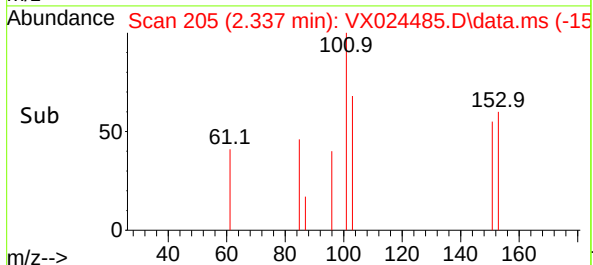
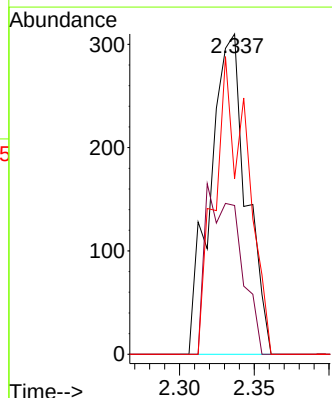
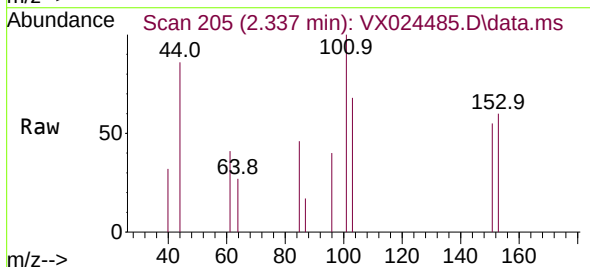
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210918

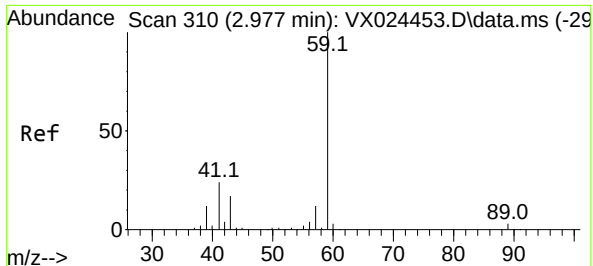
Tgt Ion: 64 Resp: 236
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.365 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.012 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Tgt Ion: 101 Resp: 519
Ion Ratio Lower Upper
101 100
85 49.7 34.9 52.3
151 84.2 61.4 92.2



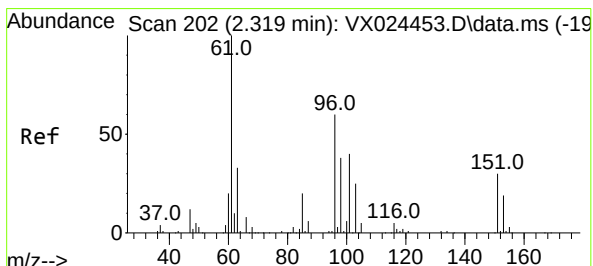
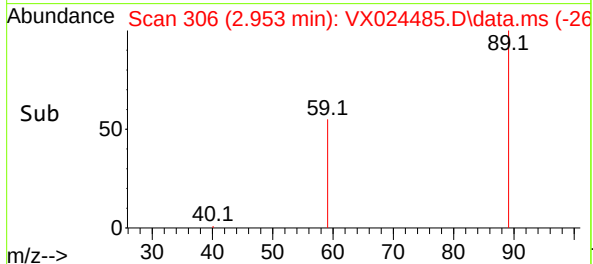
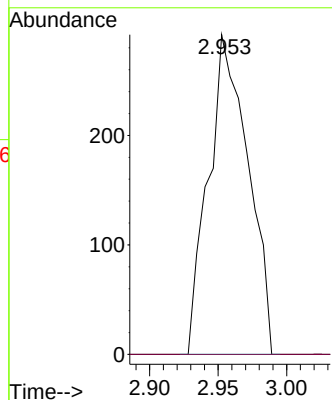
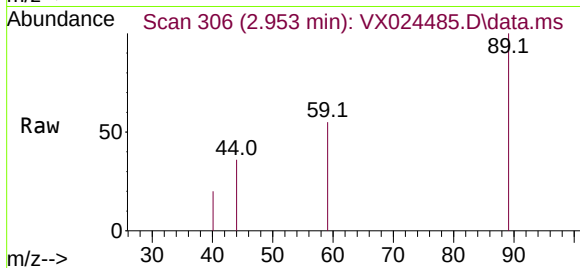


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210918

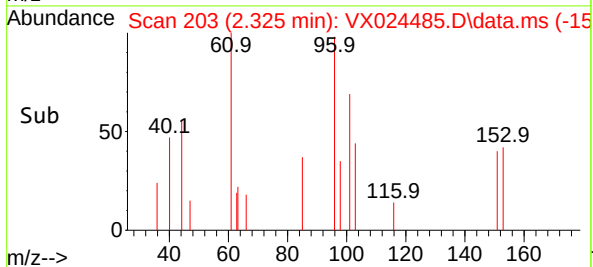
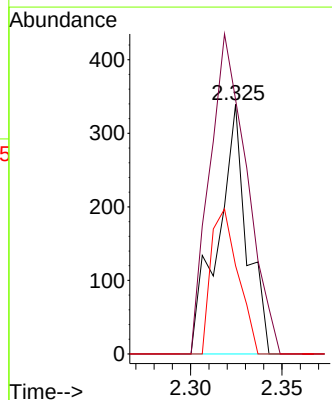
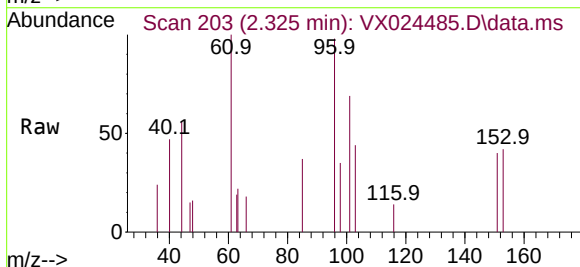
Tgt Ion: 59 Resp: 590
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

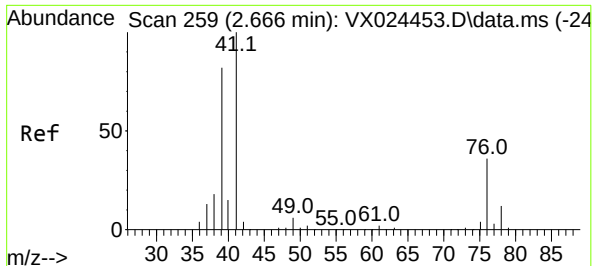


#12

1,1-Dichloroethene
Concen: 0.284 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Tgt Ion: 96 Resp: 375
Ion Ratio Lower Upper
96 100
61 102.1 124.6 187.0#
98 35.4 50.6 76.0#





#14

Allyl chloride

Concen: 0.447 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.122 min

Lab File: VX024485.D

Acq: 24 Sep 2021 06:12

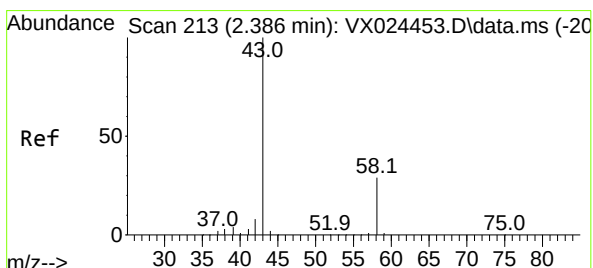
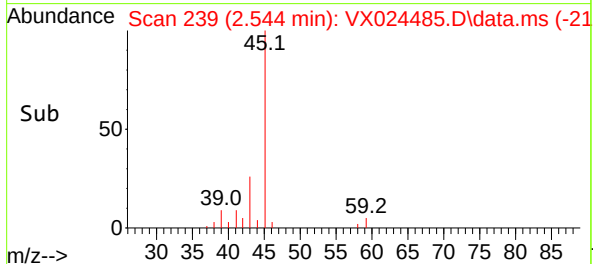
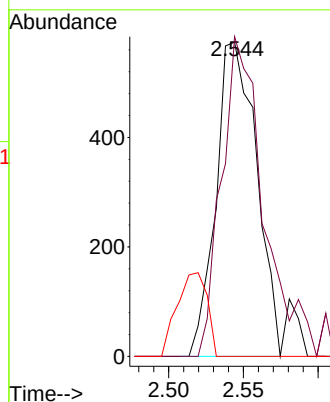
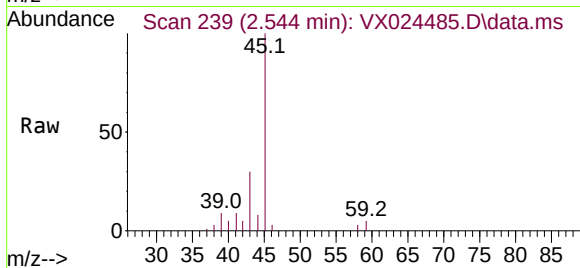
Instrument :

MSVOA_X

ClientSampleId :

RE123D2-20210918

Tgt Ion: 41	Resp: 1080
Ion Ratio	Lower Upper
41	100
39	105.7 51.6 77.4#
76	0.0 30.5 45.7#



#16

Acetone

Concen: Below Cal

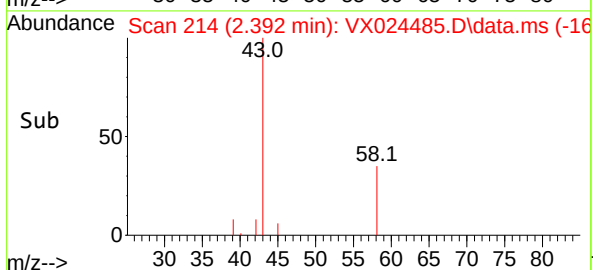
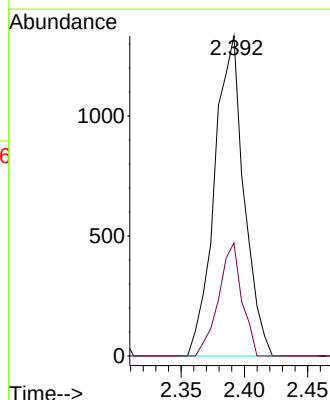
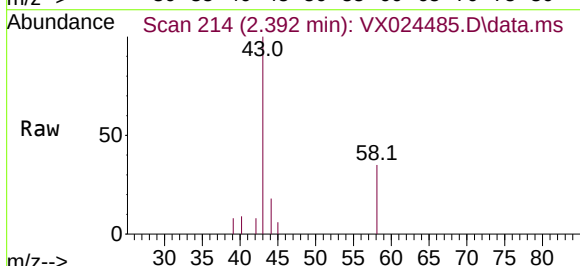
RT: 2.392 min Scan# 214

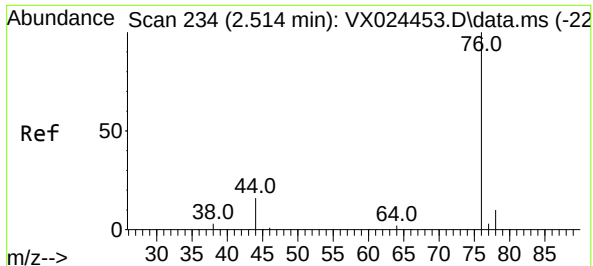
Delta R.T. 0.006 min

Lab File: VX024485.D

Acq: 24 Sep 2021 06:12

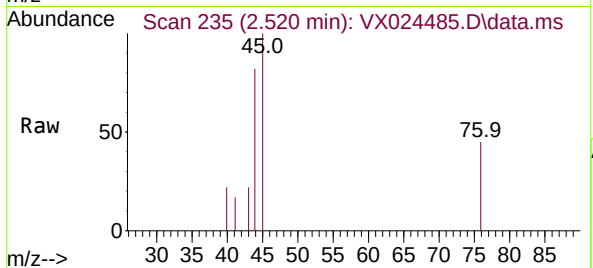
Tgt Ion: 43	Resp: 2154
Ion Ratio	Lower Upper
43	100
58	35.3 27.8 41.8



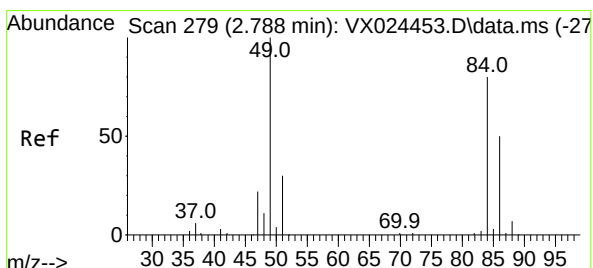
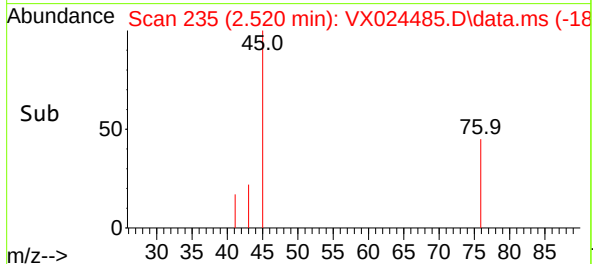
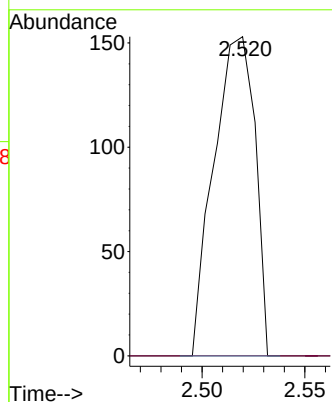


#17
Carbon Disulfide
Concen: 0.290 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210918

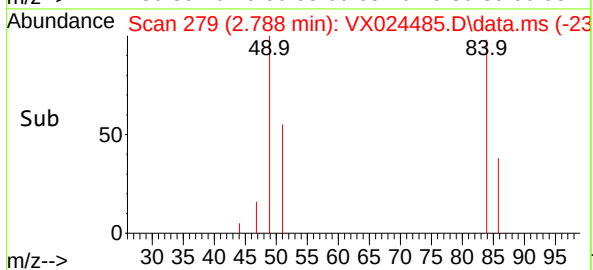
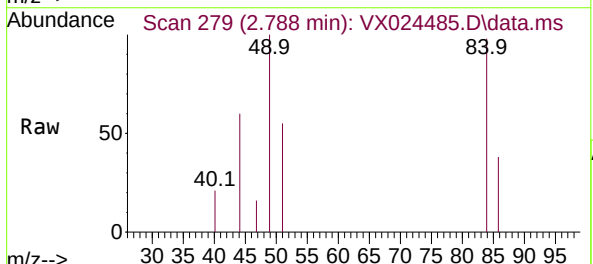
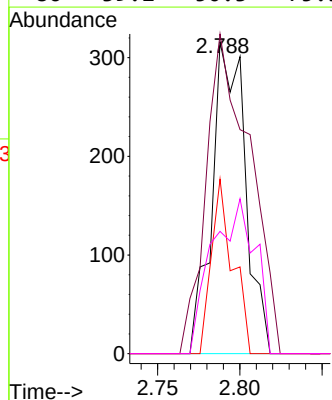


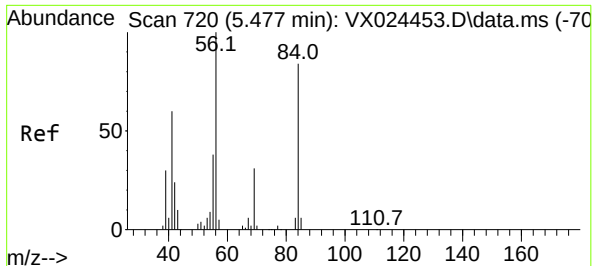
Tgt Ion: 76 Resp: 214
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Tgt Ion: 84 Resp: 444
Ion Ratio Lower Upper
84 100
49 102.5 88.6 132.8
51 56.0 27.0 40.6#
86 39.2 50.3 75.5#





#31

Cyclohexane

Concen: 1.260 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX024485.D

Acq: 24 Sep 2021 06:12

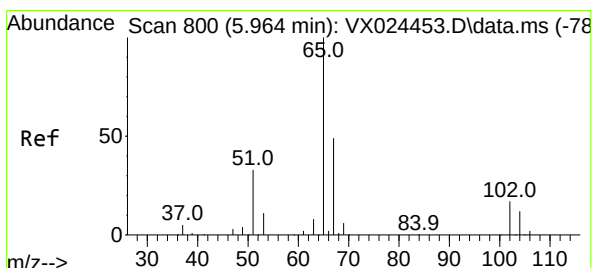
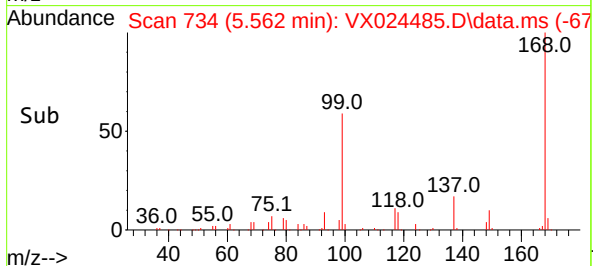
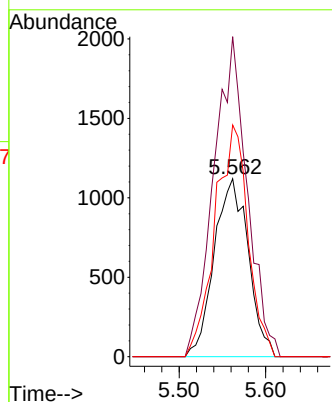
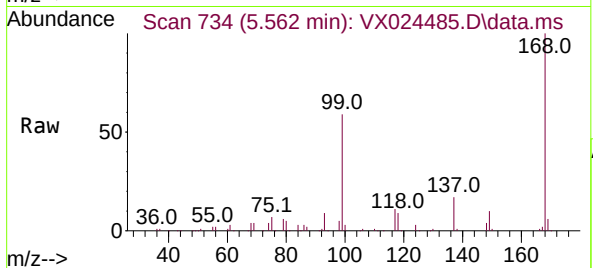
Tgt Ion: 56 Resp: 3062

Ion Ratio Lower Upper

56 100

69 179.8 25.3 37.9#

84 130.2 71.4 107.0#



#33

1,2-Dichloroethane-d4

Concen: 51.433 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024485.D

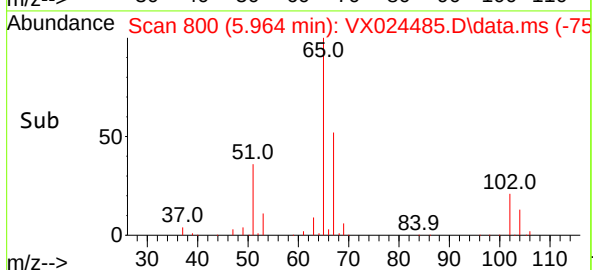
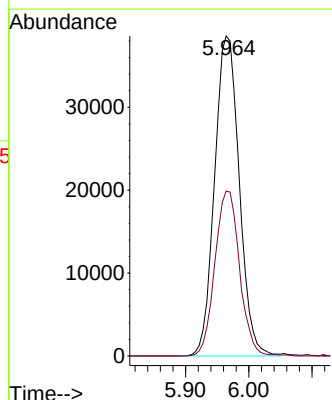
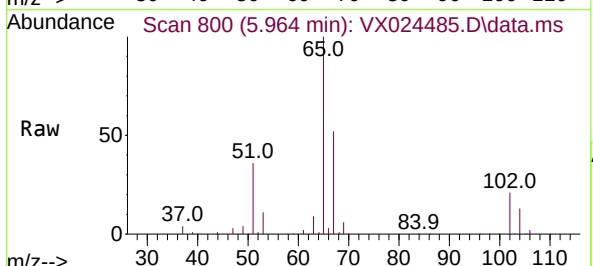
Acq: 24 Sep 2021 06:12

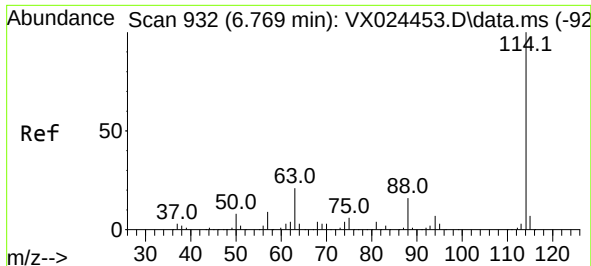
Tgt Ion: 65 Resp: 104396

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.4

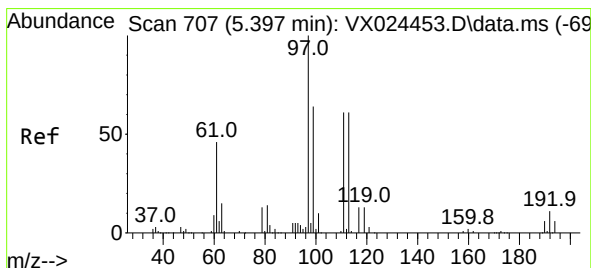
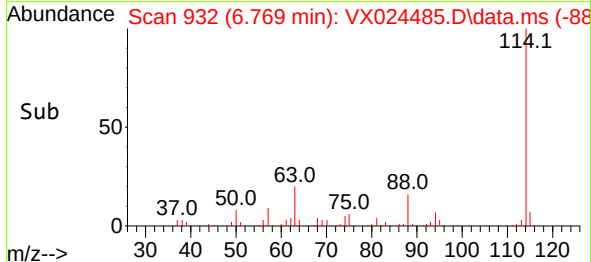
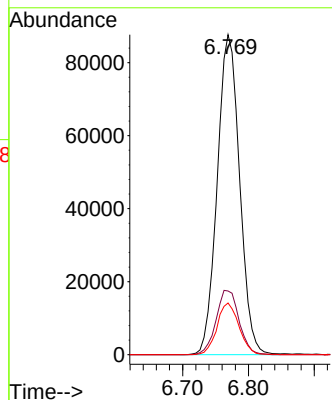
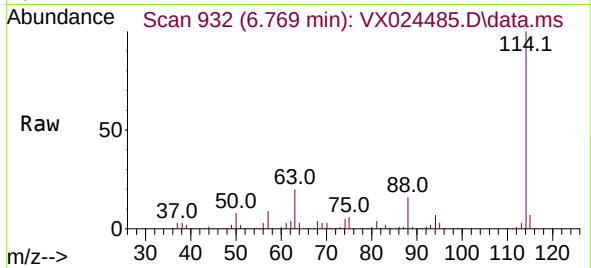




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

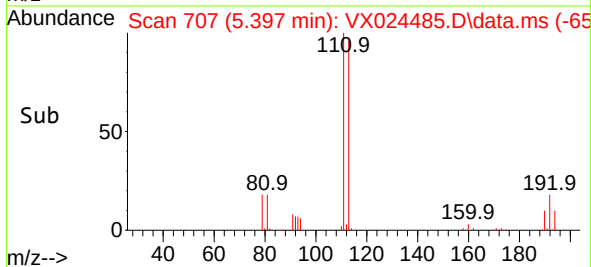
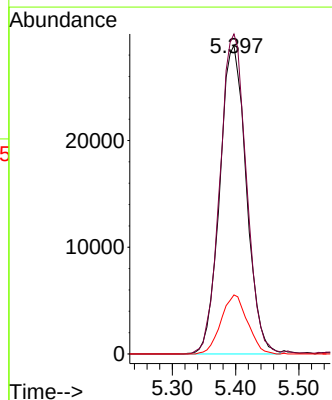
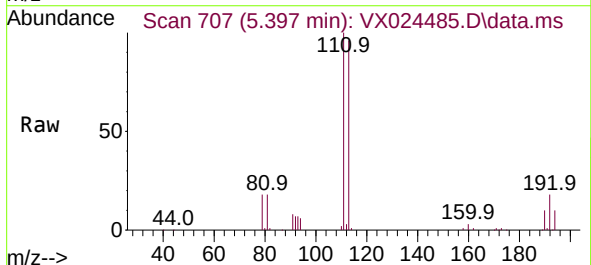
Instrument :
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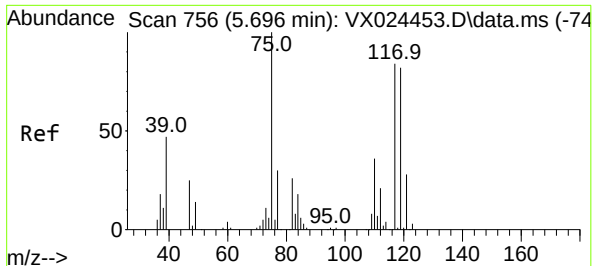
Tgt Ion:114 Resp: 207785
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 60.901 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Tgt Ion:113 Resp: 84066
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 19.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.478 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX024485.D

Acq: 24 Sep 2021 06:12

Tgt Ion: 75 Resp: 10911

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

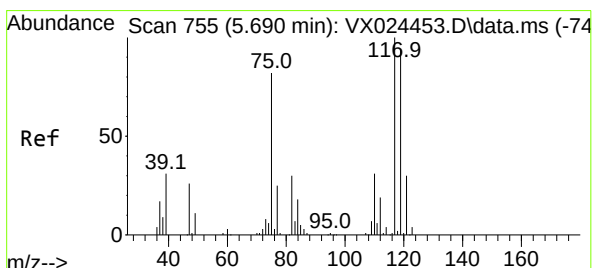
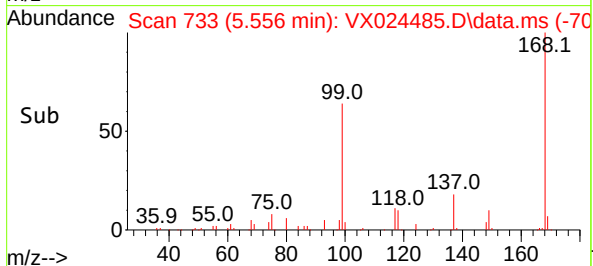
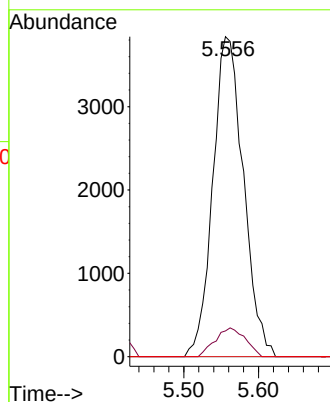
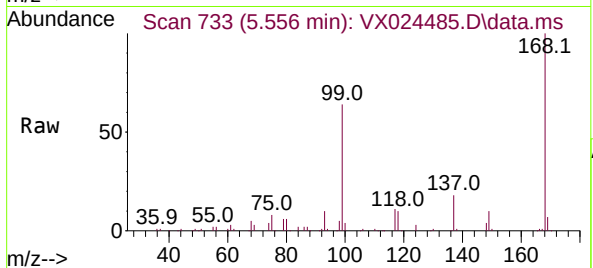
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

RE123D2-20210918



#38

Carbon Tetrachloride

Concen: 7.028 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX024485.D

Acq: 24 Sep 2021 06:12

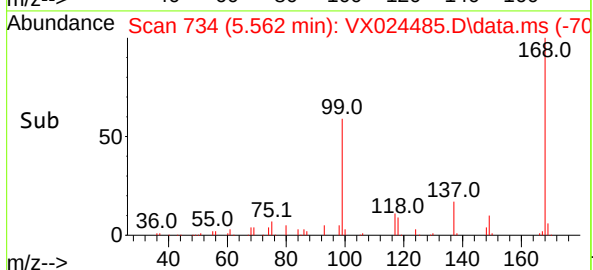
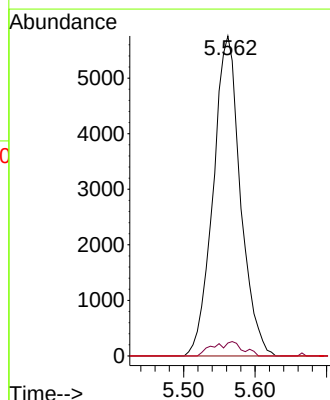
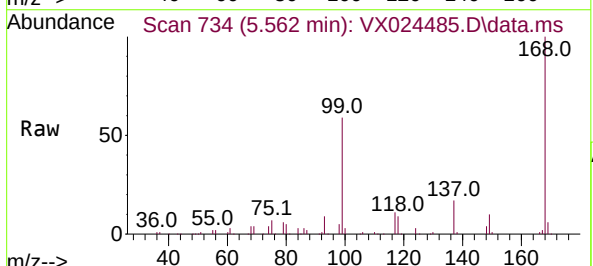
Tgt Ion:117 Resp: 15239

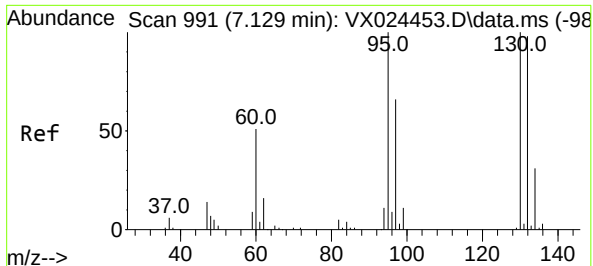
Ion Ratio Lower Upper

117 100

119 4.0 76.2 114.2#

121 0.0 24.8 37.2#

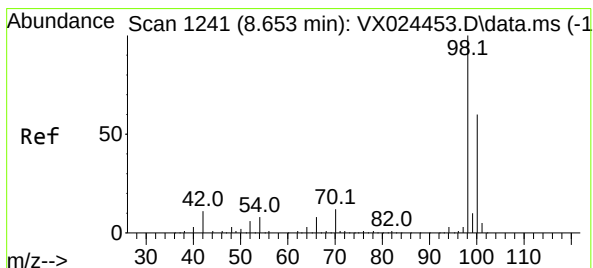
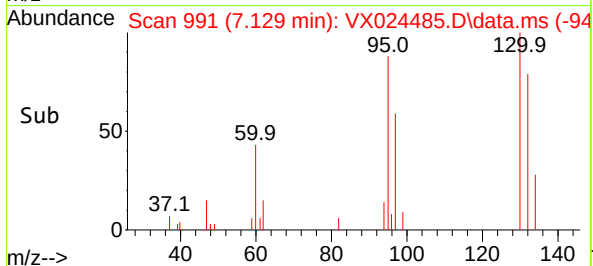
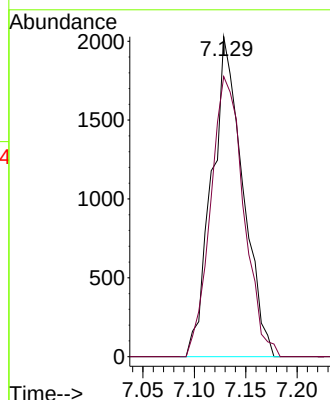
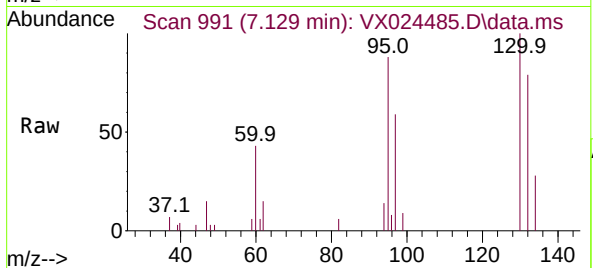




#44
Trichloroethene
Concen: 2.729 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

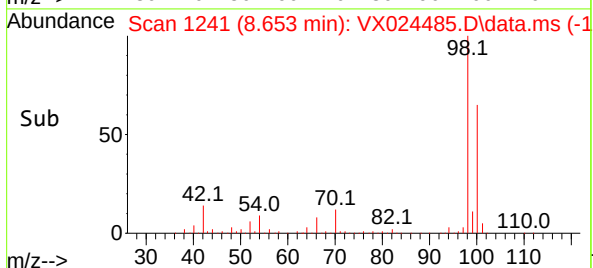
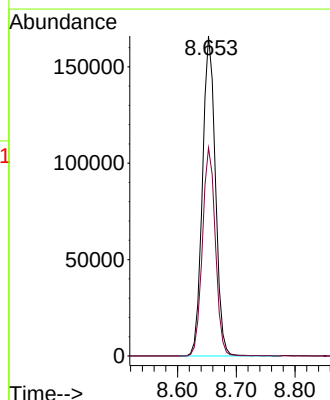
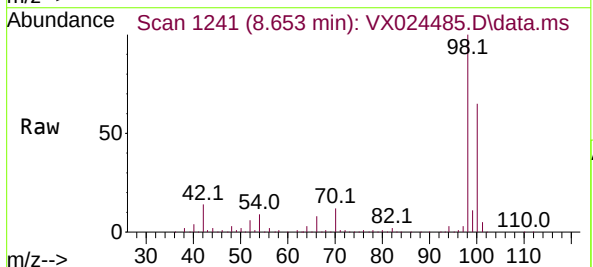
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210918

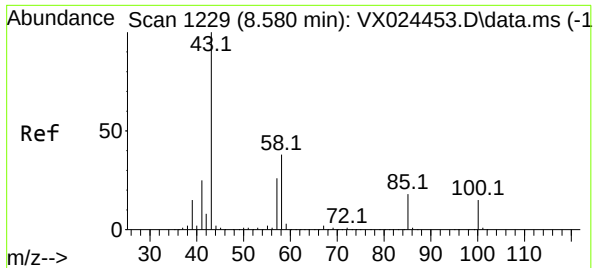
Tgt Ion:130 Resp: 4277
Ion Ratio Lower Upper
130 100
95 87.5 0.0 198.0



#50
Toluene-d8
Concen: 50.055 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Tgt Ion: 98 Resp: 254304
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

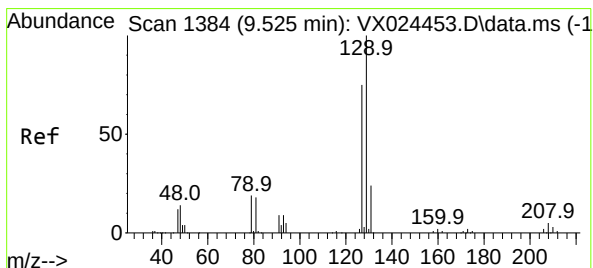
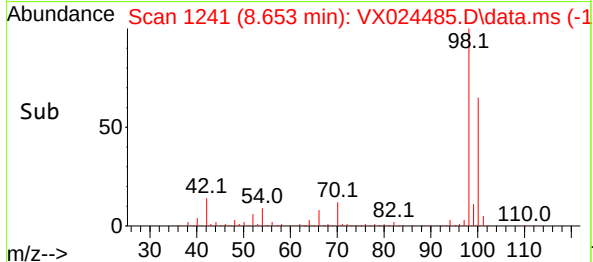
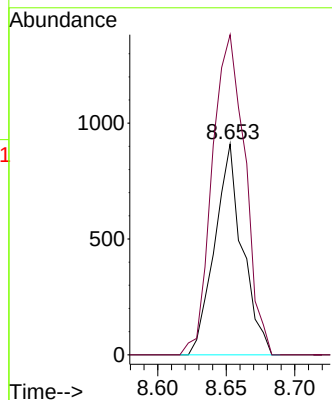
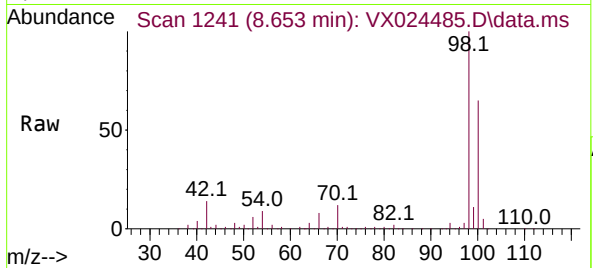




#51
4-Methyl-2-Pentanone
Concen: 0.514 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

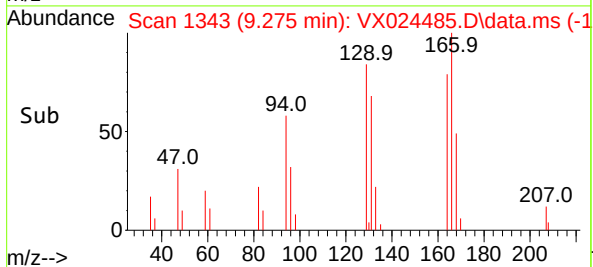
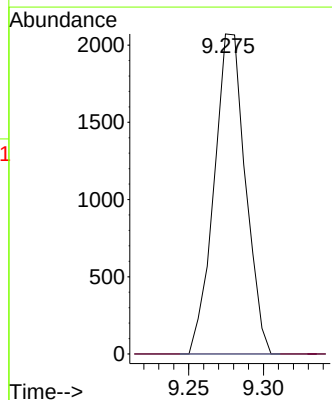
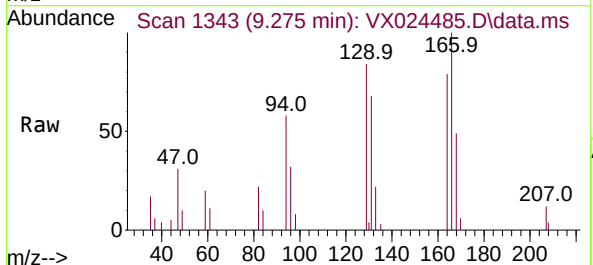
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210918

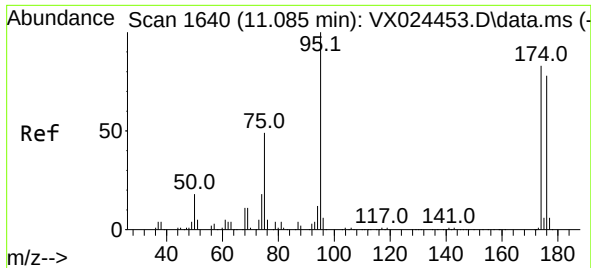
Tgt Ion: 43 Resp: 1284
Ion Ratio Lower Upper
43 100
58 179.1 35.4 53.0#



#60
Dibromochloromethane
Concen: 2.898 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Tgt Ion: 129 Resp: 3025
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

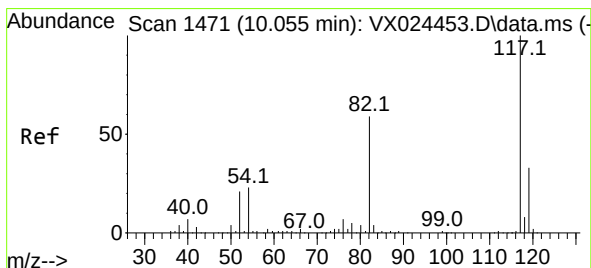
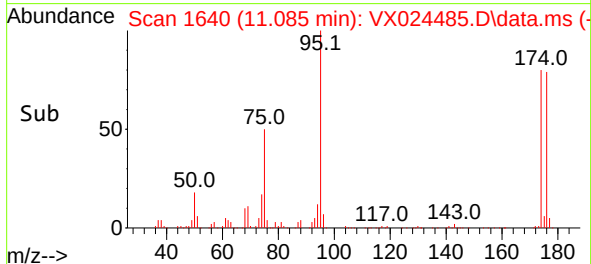
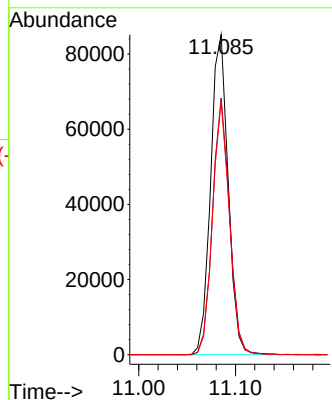
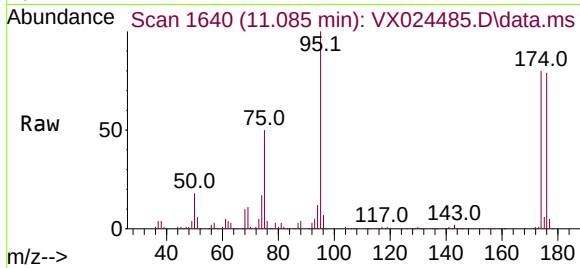




#62
4-Bromofluorobenzene
Concen: 53.699 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

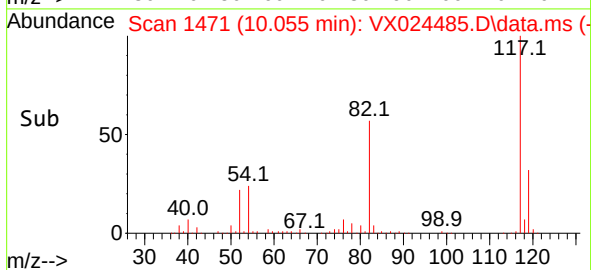
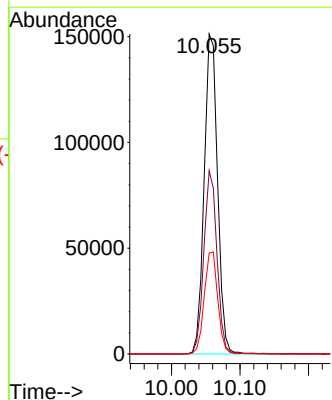
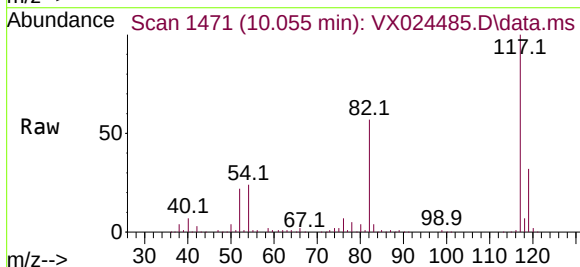
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210918

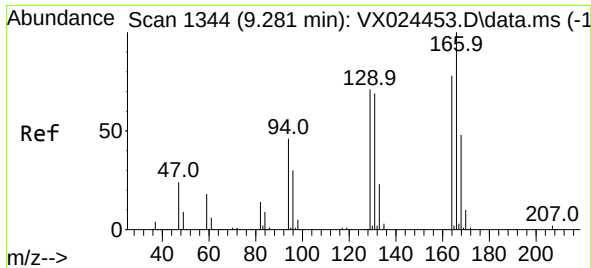
Tgt Ion: 95 Resp: 107267
Ion Ratio Lower Upper
95 100
174 78.3 0.0 154.6
176 76.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Tgt Ion: 117 Resp: 206396
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 31.5 26.6 39.8



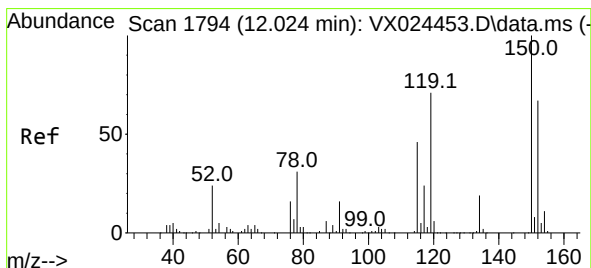
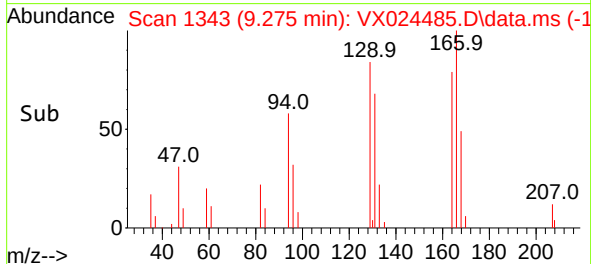
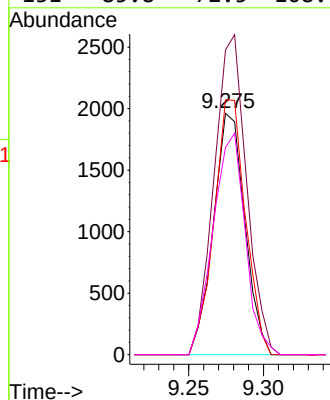
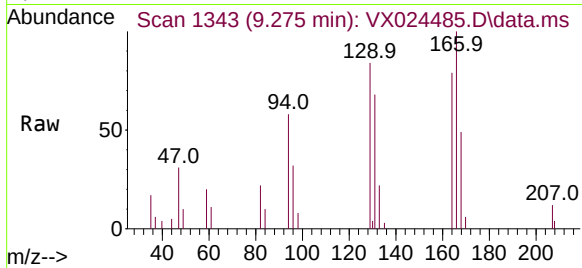


#64
Tetrachloroethene
Concen: 2.003 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210918

Tgt Ion:164 Resp: 2861

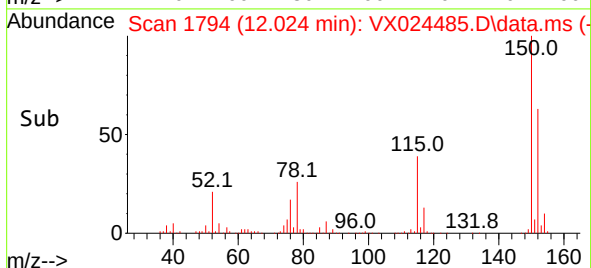
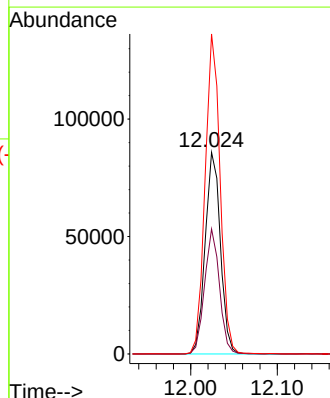
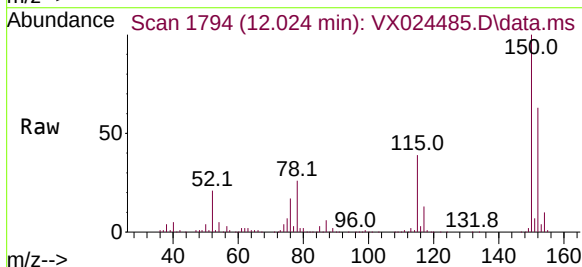
Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.4	155.2
129	105.6	70.8	106.2
131	85.8	72.5	108.7

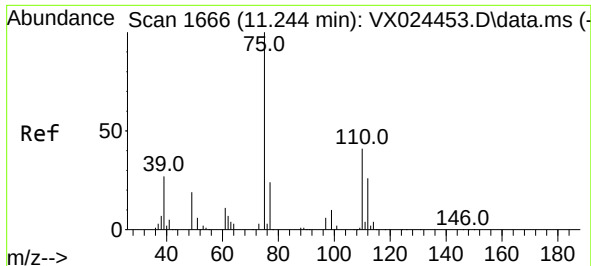


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Tgt Ion:152 Resp: 104901

Ion	Ratio	Lower	Upper
152	100		
115	60.5	41.1	123.3
150	156.1	0.0	349.0

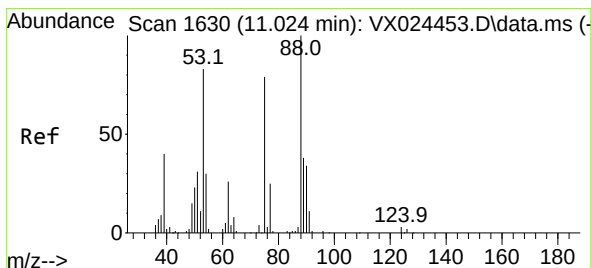
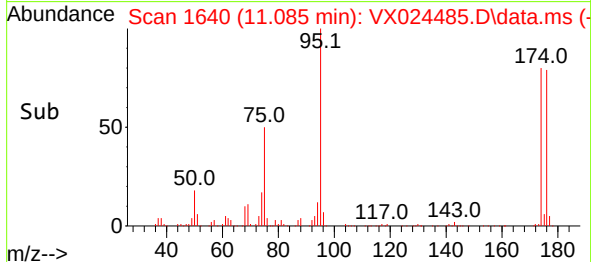
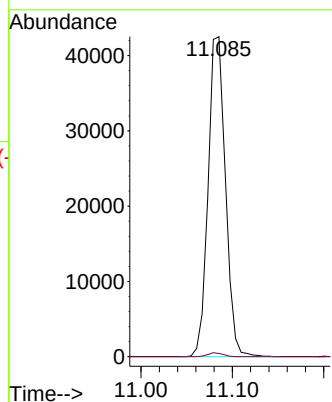
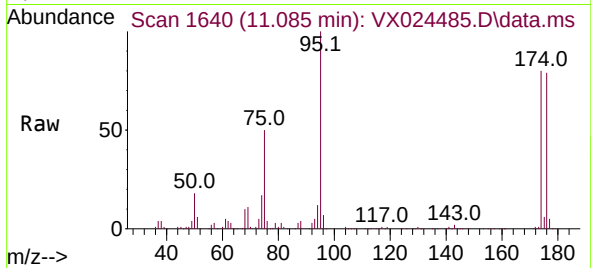




#76
1,2,3-Trichloropropane
Concen: 23.465 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20210918

Tgt Ion: 75 Resp: 55900
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.108 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024485.D
Acq: 24 Sep 2021 06:12

Tgt Ion: 75 Resp: 55900
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

