

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024488.D
 Acq On : 24 Sep 2021 07:23
 Operator : JC/MD
 Sample : M3829-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D1-20210917

Quant Time: Sep 24 09:06:58 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)

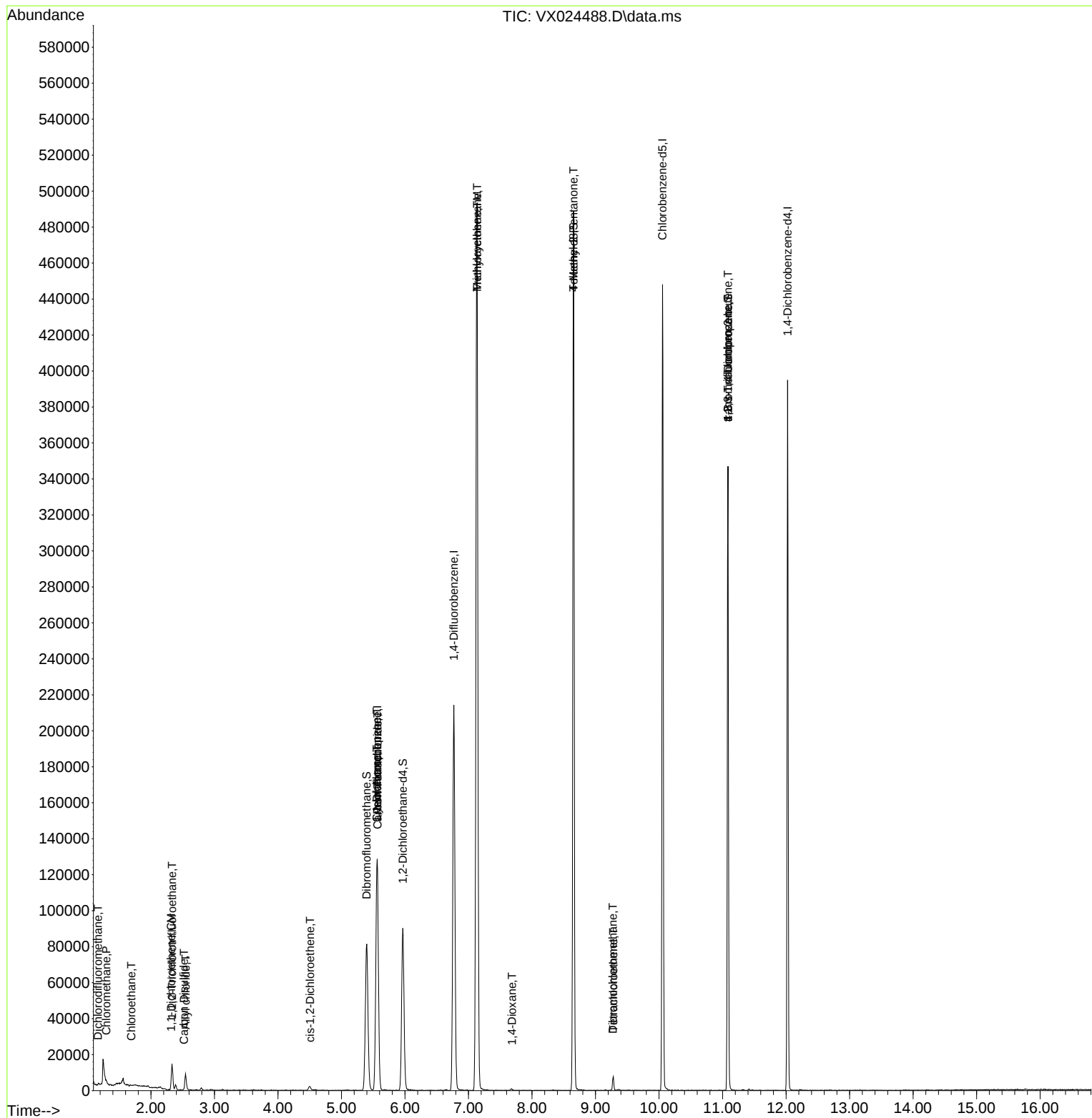
Internal Standards						
1) Pentafluorobenzene	5.562	168	119285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	207851	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	90902	54.070	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.140%	
35) Dibromofluoromethane	5.397	113	68753	49.792	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.580%	
50) Toluene-d8	8.653	98	277038	54.513	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.020%	
62) 4-Bromofluorobenzene	11.085	95	85555	42.816	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	559	0.466	ug/l	76
3) Chloromethane	1.294	50	445	0.393	ug/l	97
6) Chloroethane	1.691	64	282	0.614	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	4839	4.109	ug/l	98
11) Tert butyl alcohol	2.953	59	262	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	501	0.458	ug/l #	54
14) Allyl chloride	2.544	41	905	0.453	ug/l #	64
16) Acetone	2.386	43	3021	Below Cal		92
17) Carbon Disulfide	2.520	76	243	0.314	ug/l #	75
20) Methylene Chloride	2.788	84	512	Below Cal		91
27) cis-1,2-Dichloroethene	4.507	96	1383	0.953	ug/l	98
31) Cyclohexane	5.556	56	2436	1.210	ug/l #	16
36) 1,1-Dichloropropene	5.556	75	9219	4.627	ug/l #	50
38) Carbon Tetrachloride	5.568	117	12528	5.776	ug/l #	17
39) Methylcyclohexane	7.135	83	2244	0.962	ug/l #	1
44) Trichloroethene	7.135	130	185207	118.142	ug/l	99
49) 1,4-Dioxane	7.684	88	661	15.410	ug/l #	95
51) 4-Methyl-2-Pentanone	8.653	43	1298	0.520	ug/l #	1
60) Dibromochloromethane	9.275	129	1215	1.874	ug/l #	11
64) Tetrachloroethene	9.281	164	1306	0.917	ug/l #	87
76) 1,2,3-Trichloropropane	11.085	75	46192	26.393	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	46192	71.865	ug/l #	12

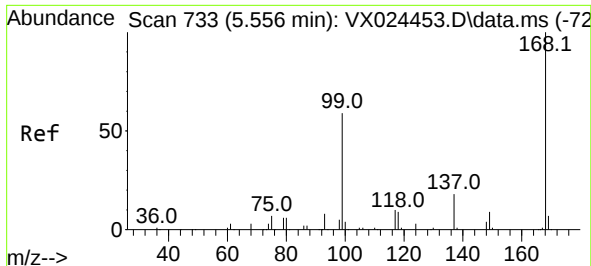
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE105D1-20210917

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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

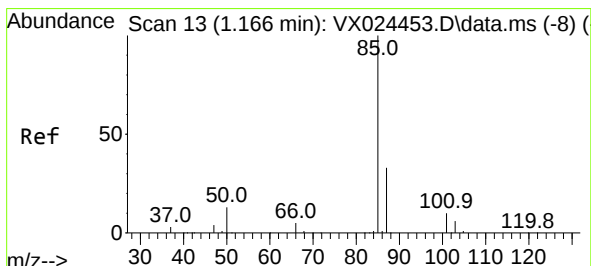
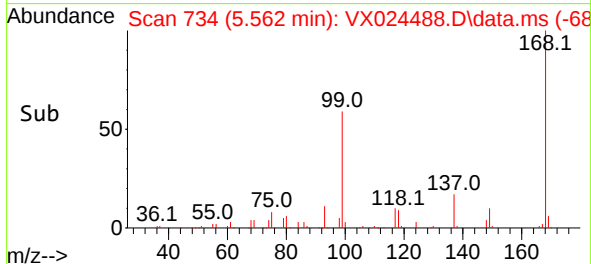
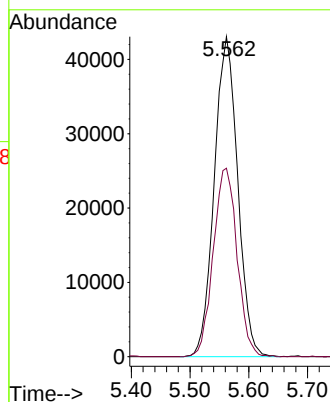
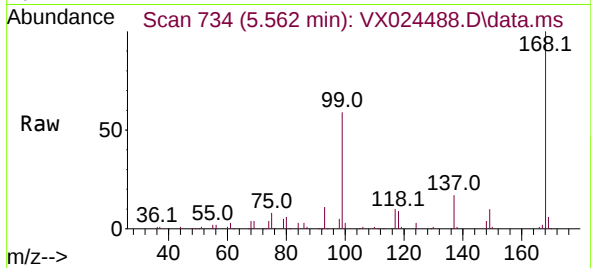




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

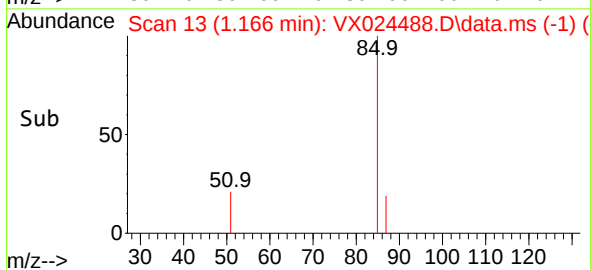
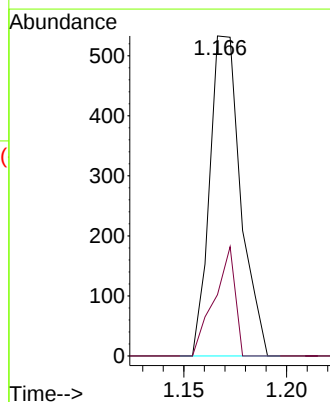
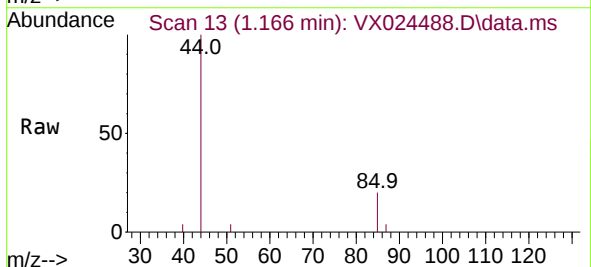
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20210917

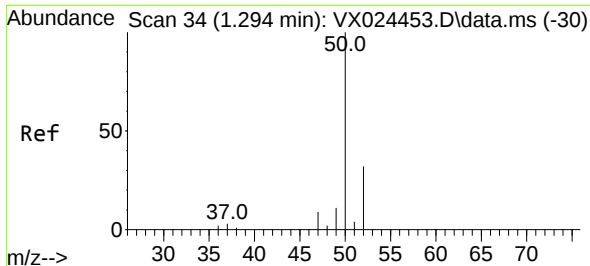
Tgt Ion:168 Resp: 119285
Ion Ratio Lower Upper
168 100
99 58.9 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.466 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

Tgt Ion: 85 Resp: 559
Ion Ratio Lower Upper
85 100
87 19.1 16.4 49.2

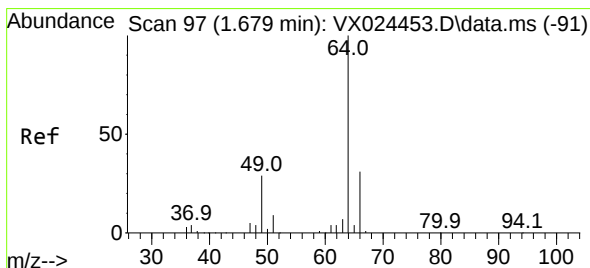
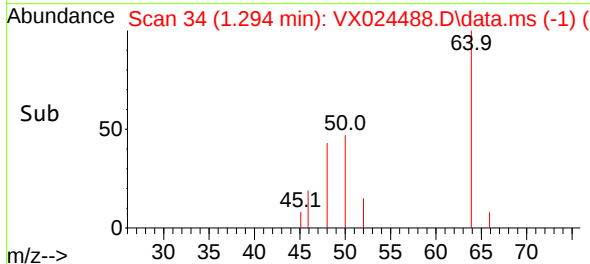
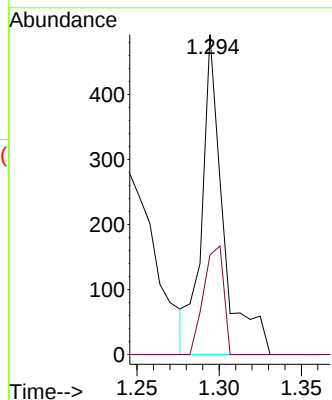
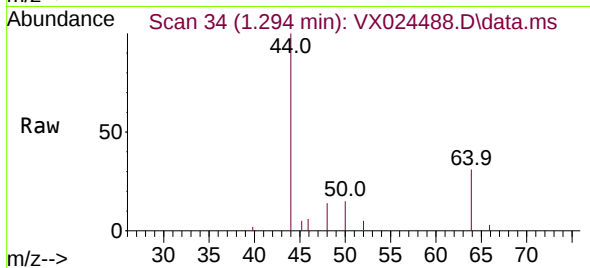




#3
Chloromethane
Concen: 0.393 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

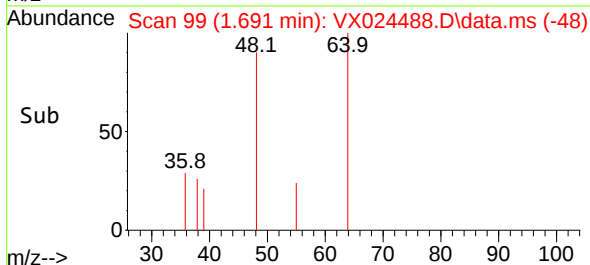
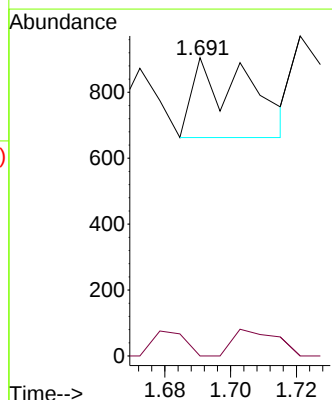
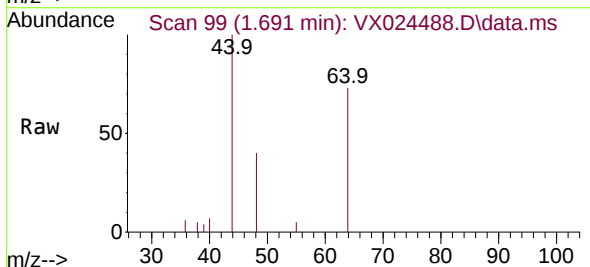
Instrument :
MSVOA_X
ClientSampleId :
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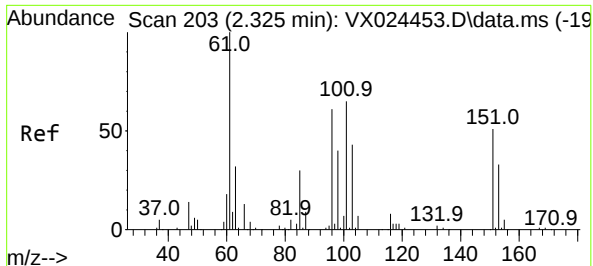
Tgt Ion: 50 Resp: 445
Ion Ratio Lower Upper
50 100
52 31.1 26.4 39.6



#6
Chloroethane
Concen: 0.614 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

Tgt Ion: 64 Resp: 282
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

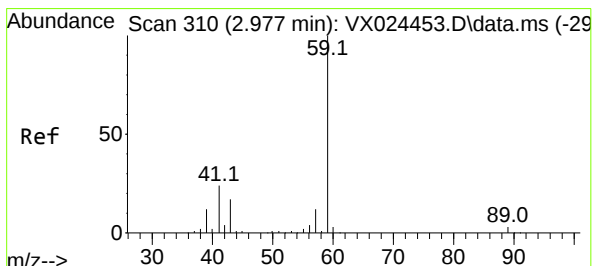
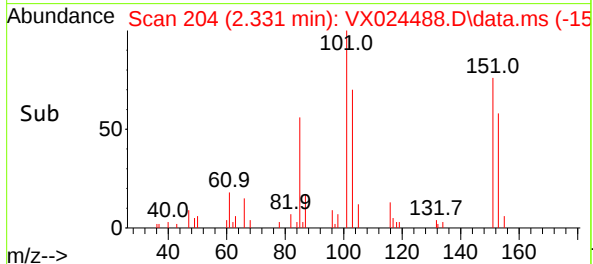
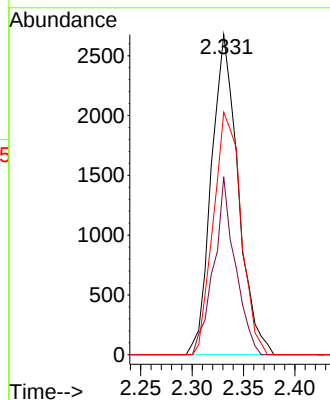
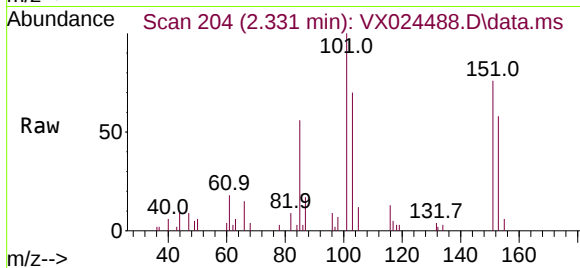




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.109 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

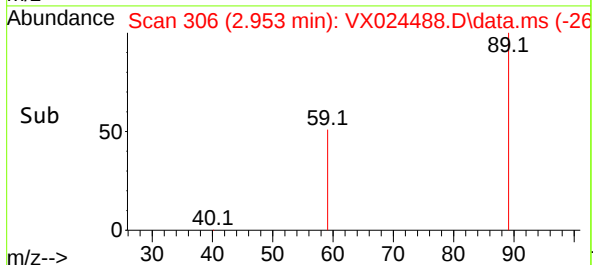
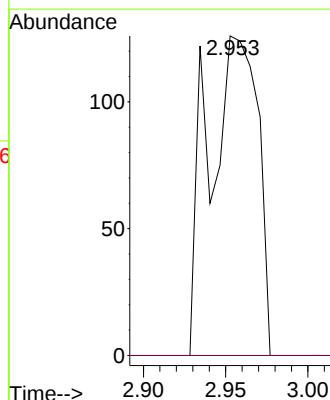
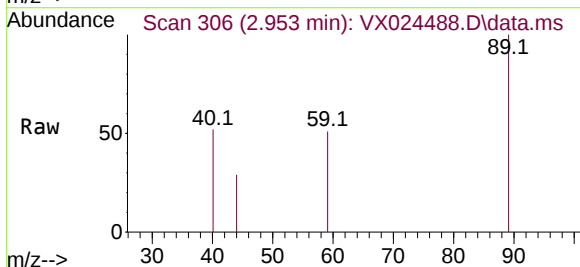
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20210917

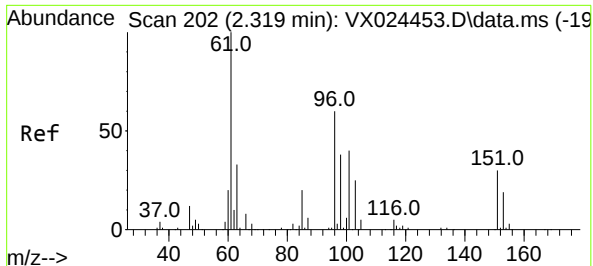
Tgt Ion:101 Resp: 4839
Ion Ratio Lower Upper
101 100
85 44.5 34.9 52.3
151 78.3 61.4 92.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

Tgt Ion: 59 Resp: 262
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

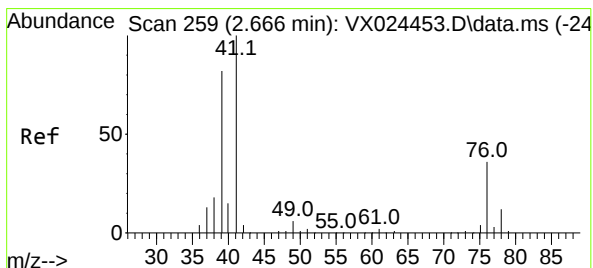
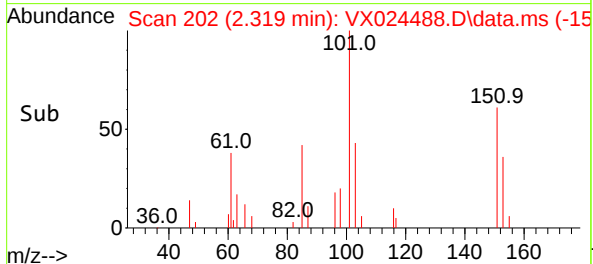
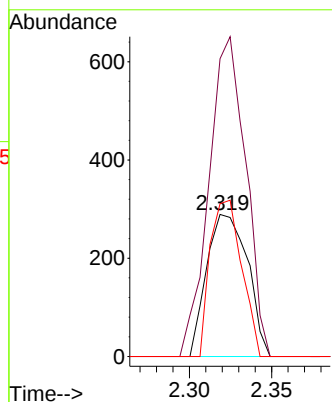
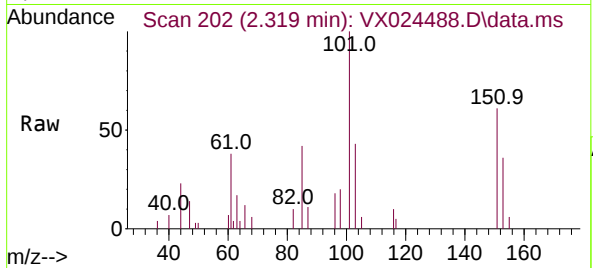




#12
1,1-Dichloroethene
Concen: 0.458 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

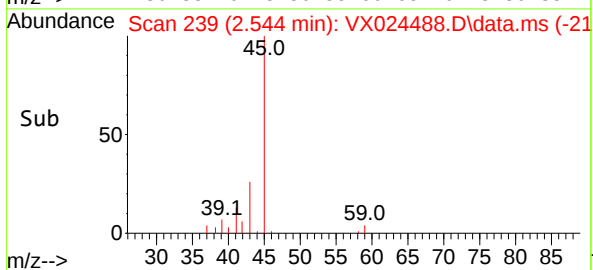
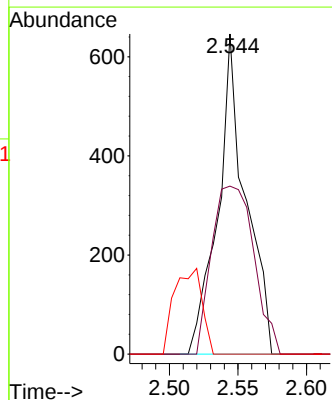
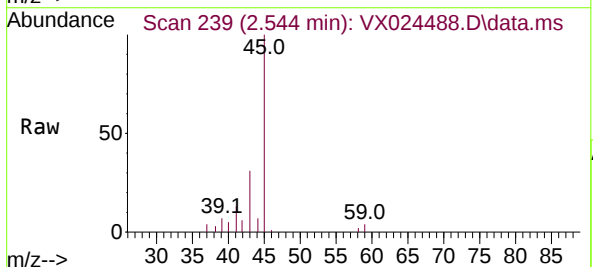
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20210917

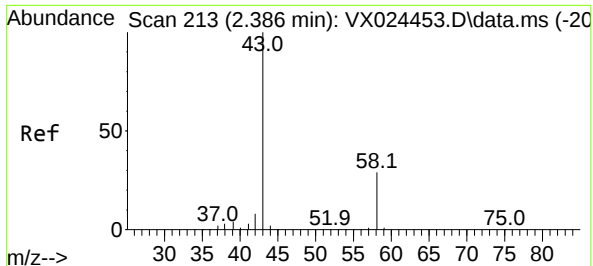
Tgt Ion: 96 Resp: 501
Ion Ratio Lower Upper
96 100
61 209.7 124.6 187.0#
98 107.6 50.6 76.0#



#14
Allyl chloride
Concen: 0.453 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.122 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

Tgt Ion: 41 Resp: 905
Ion Ratio Lower Upper
41 100
39 80.4 51.6 77.4#
76 0.0 30.5 45.7#

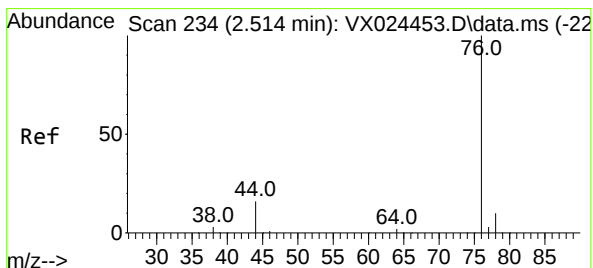
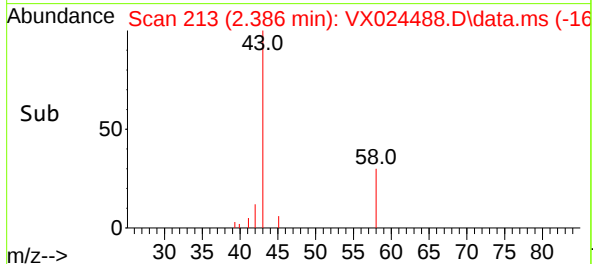
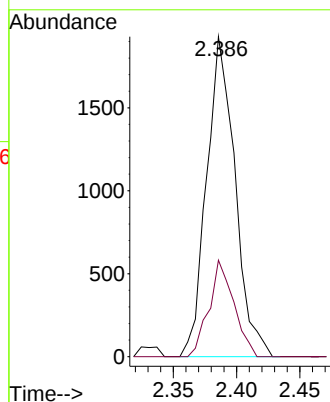
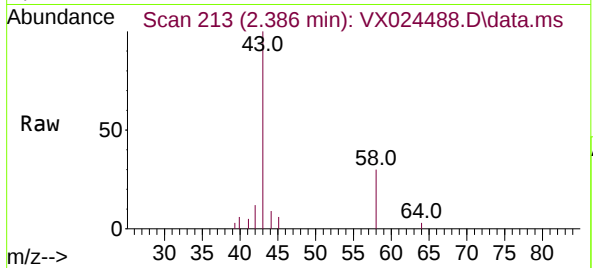




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

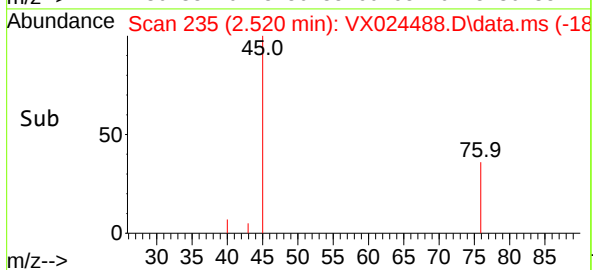
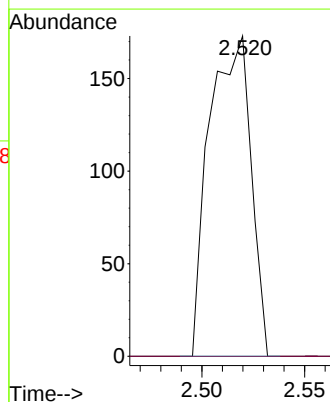
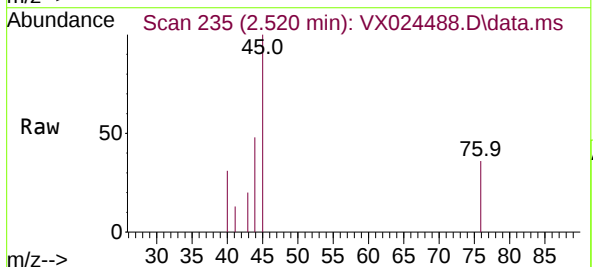
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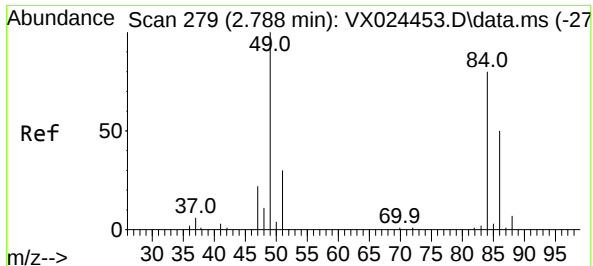
Tgt Ion: 43 Resp: 3021
Ion Ratio Lower Upper
43 100
58 30.2 27.8 41.8



#17
Carbon Disulfide
Concen: 0.314 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

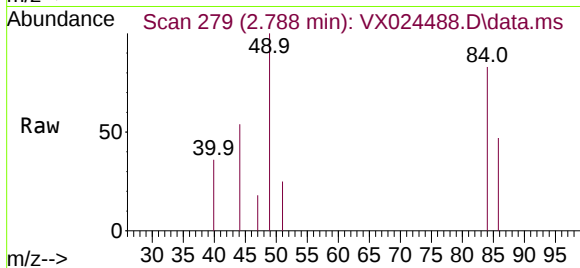
Tgt Ion: 76 Resp: 243
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



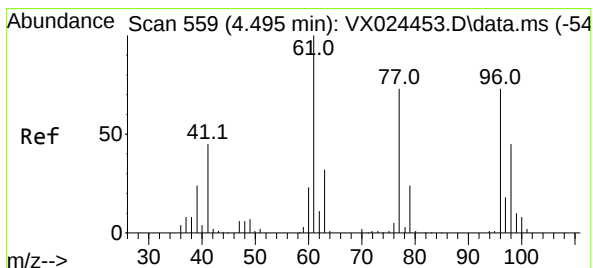
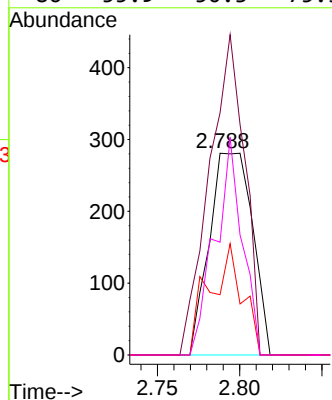
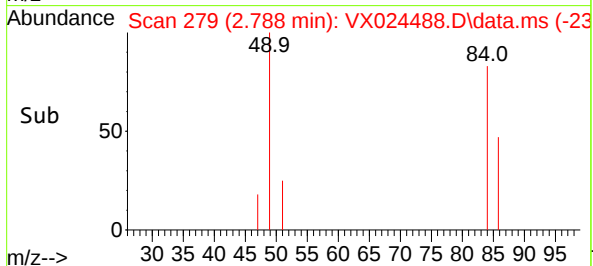


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

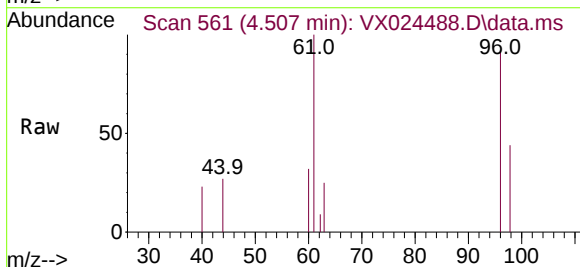
Instrument :
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ClientSampleId :
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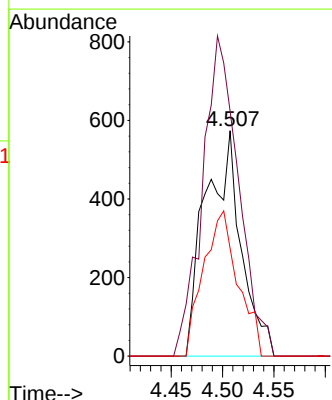
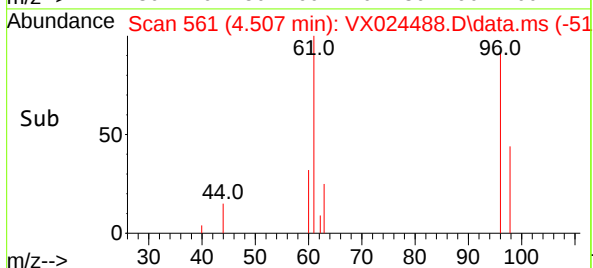
Tgt Ion: 84	Resp: 512
Ion Ratio	Lower Upper
84 100	
49 119.9	88.6 132.8
51 29.9	27.0 40.6
86 55.9	50.3 75.5

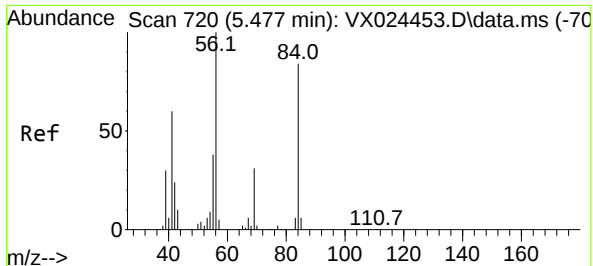


#27
cis-1,2-Dichloroethene
Concen: 0.953 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.012 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23



Tgt Ion: 96	Resp: 1383		
Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	285.6
98	62.7	0.0	129.6

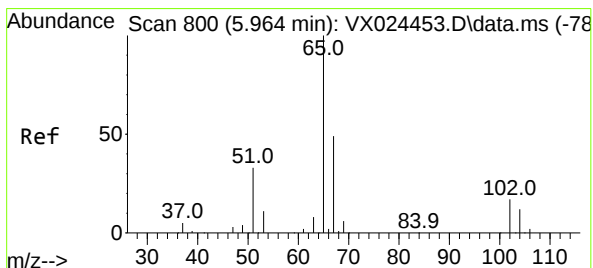
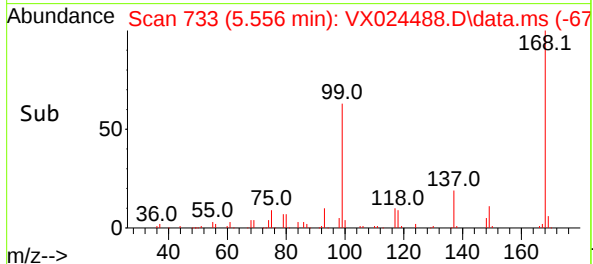
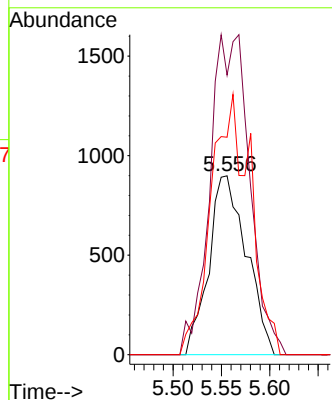
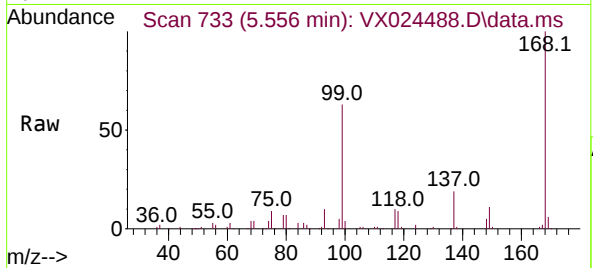




#31
Cyclohexane
Concen: 1.210 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

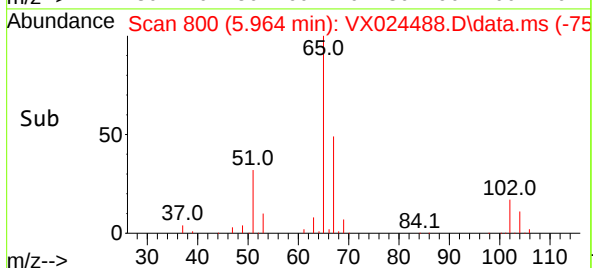
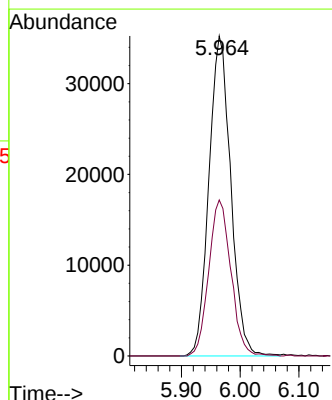
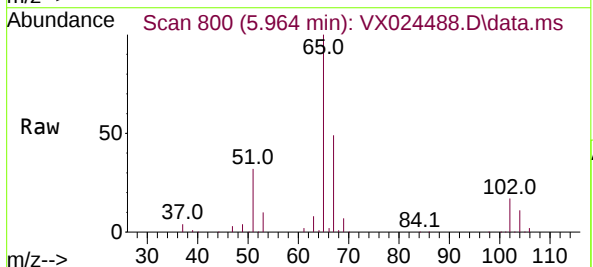
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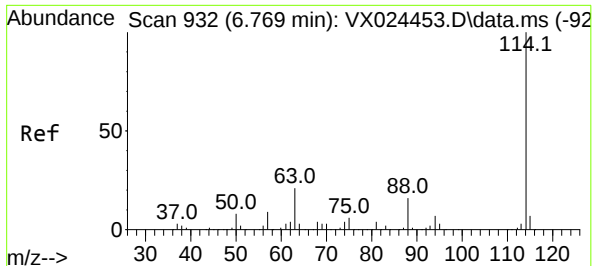
Tgt Ion: 56 Resp: 2436
Ion Ratio Lower Upper
56 100
69 156.3 25.3 37.9#
84 121.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 54.070 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

Tgt Ion: 65 Resp: 90902
Ion Ratio Lower Upper
65 100
67 49.5 0.0 105.4

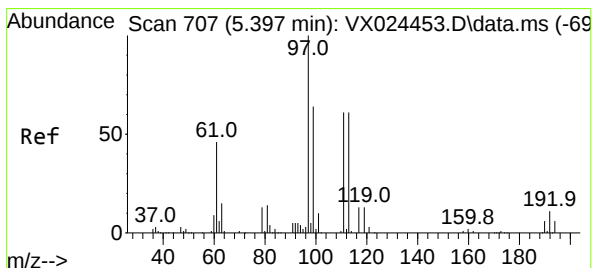
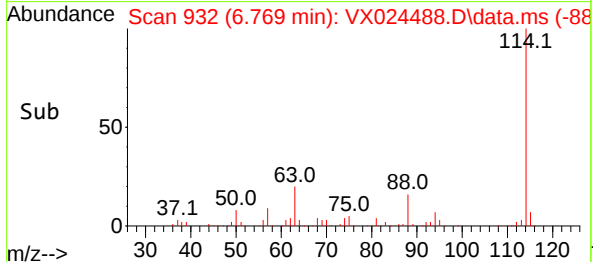
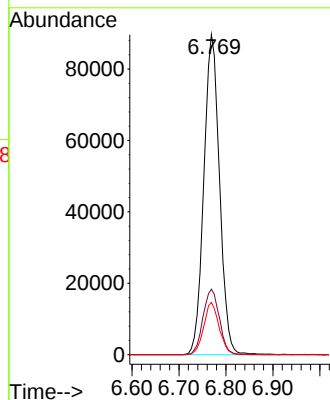
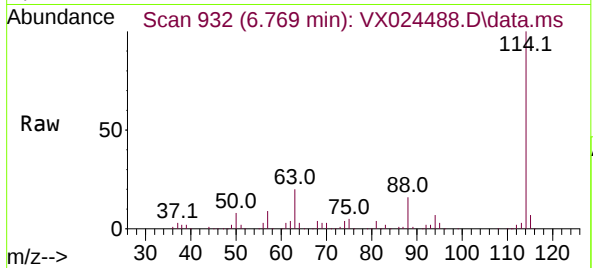




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

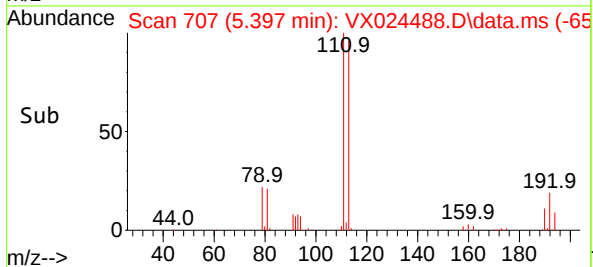
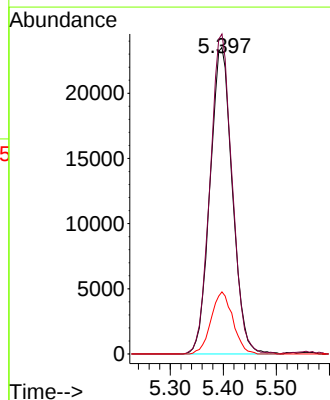
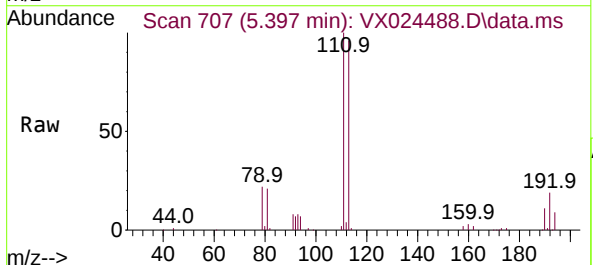
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20210917

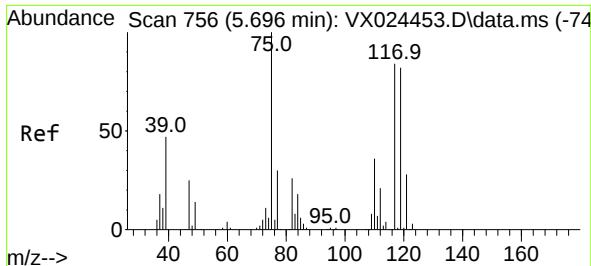
Tgt Ion:114 Resp: 207851
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.792 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

Tgt Ion:113 Resp: 68753
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 19.7 16.7 25.1

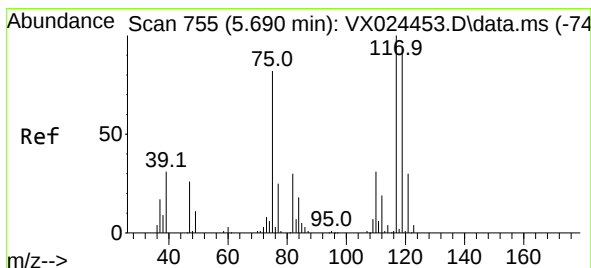
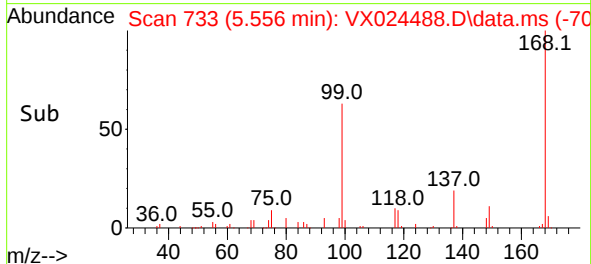
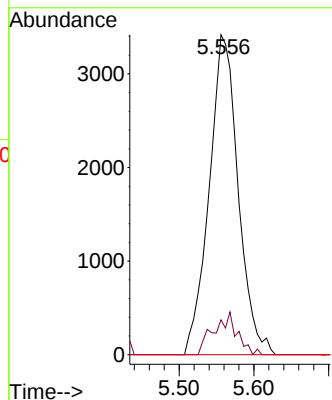
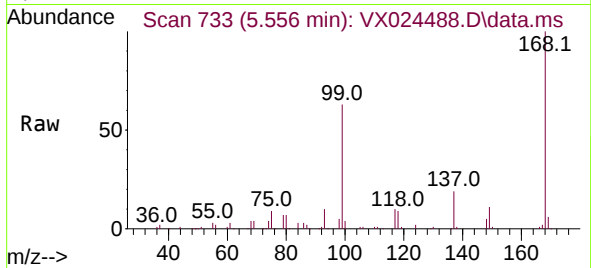




#36
1,1-Dichloropropene
Concen: 4.627 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

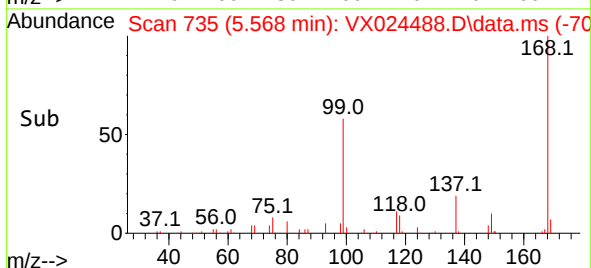
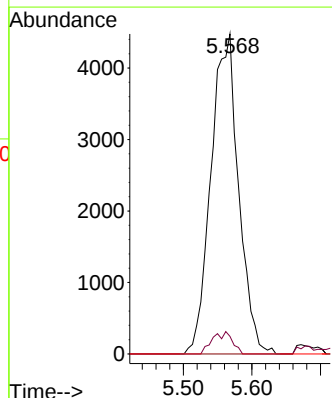
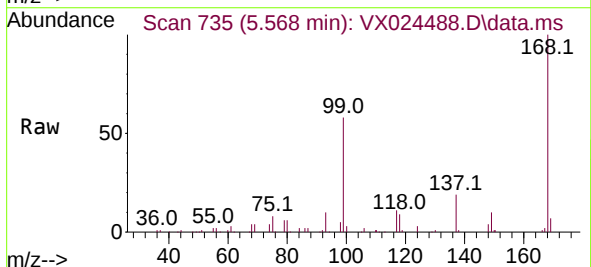
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20210917

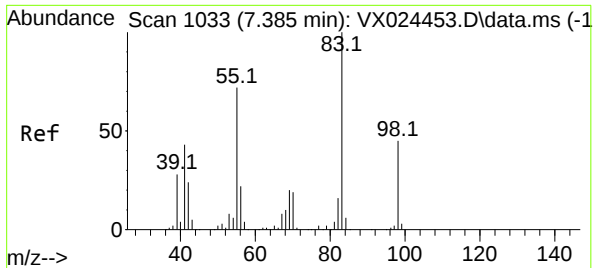
Tgt Ion: 75 Resp: 9219
Ion Ratio Lower Upper
75 100
110 10.7 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.776 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

Tgt Ion: 117 Resp: 12528
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.962 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX024488.D

Acq: 24 Sep 2021 07:23

Tgt Ion: 83 Resp: 2244

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

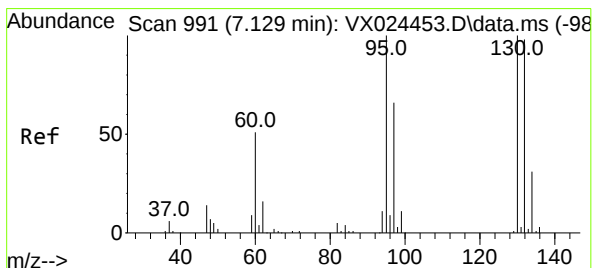
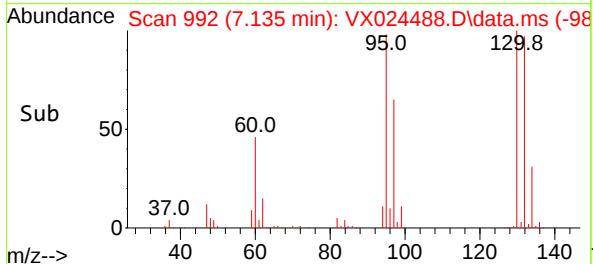
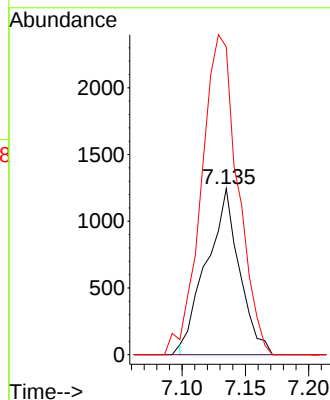
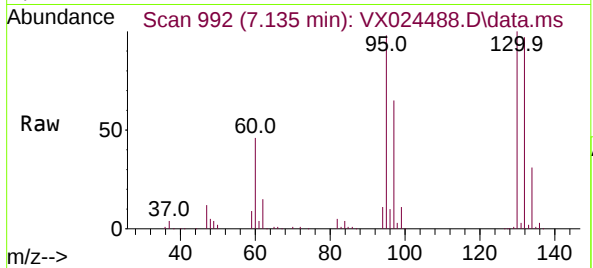
98 176.4 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20210917



#44

Trichloroethene

Concen: 118.142 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX024488.D

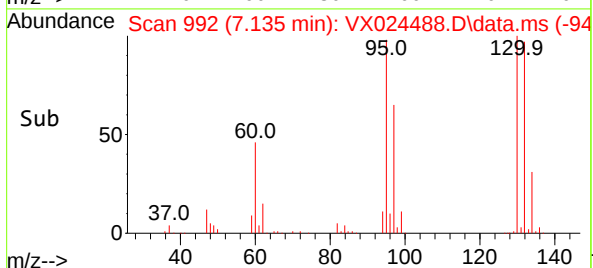
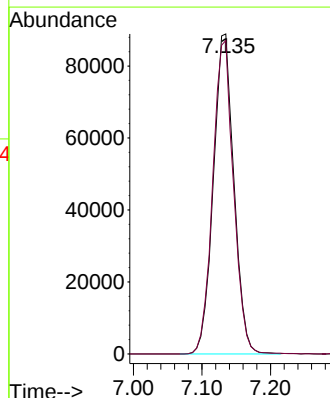
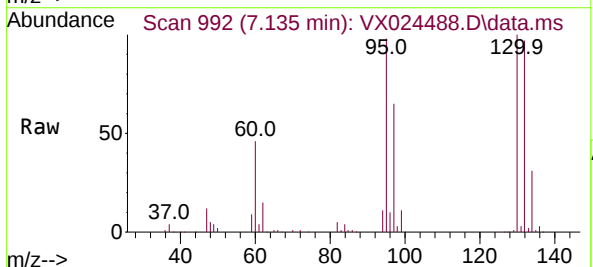
Acq: 24 Sep 2021 07:23

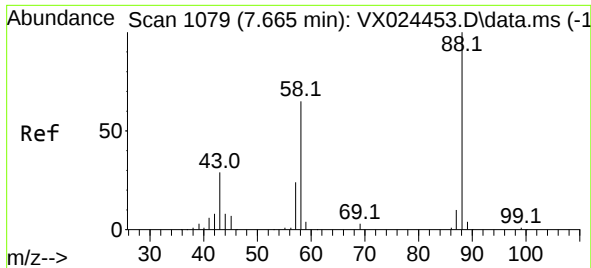
Tgt Ion:130 Resp: 185207

Ion Ratio Lower Upper

130 100

95 98.0 0.0 198.0

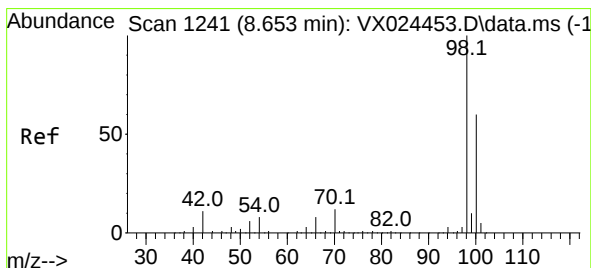
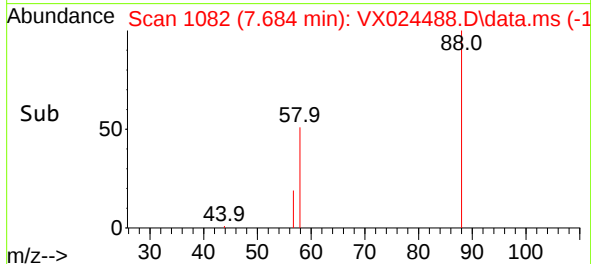
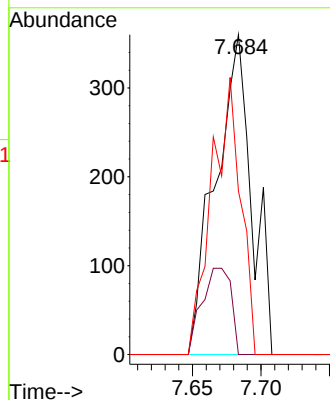
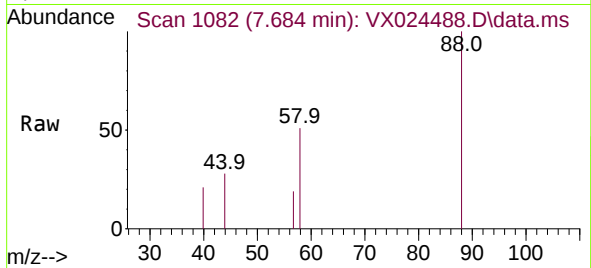




#49
1,4-Dioxane
Concen: 15.410 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.019 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

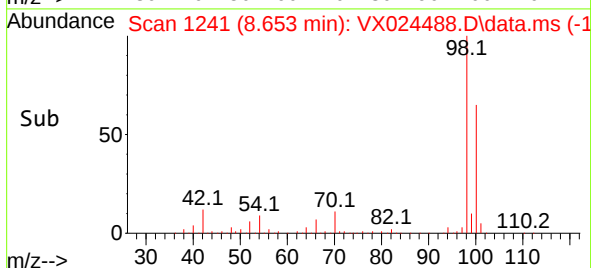
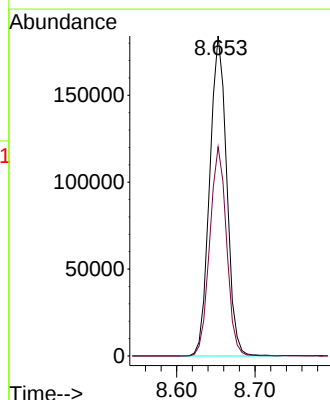
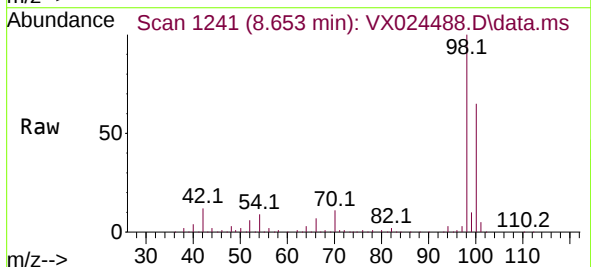
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20210917

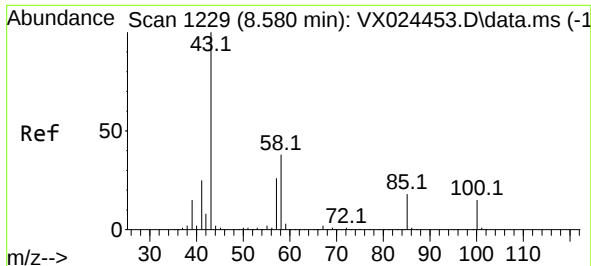
Tgt Ion: 88 Resp: 661
Ion Ratio Lower Upper
88 100
43 21.5 23.2 34.8#
58 69.3 55.0 82.4



#50
Toluene-d8
Concen: 54.513 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

Tgt Ion: 98 Resp: 277038
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

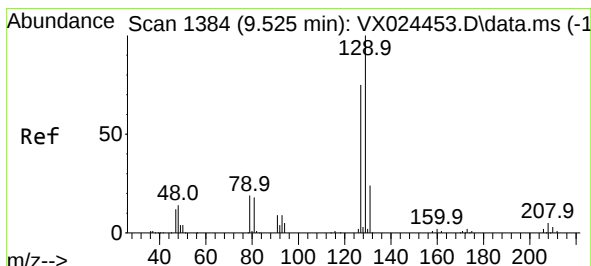
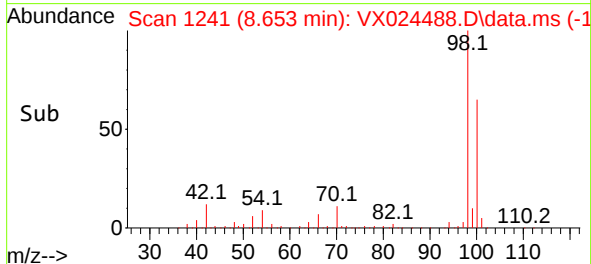
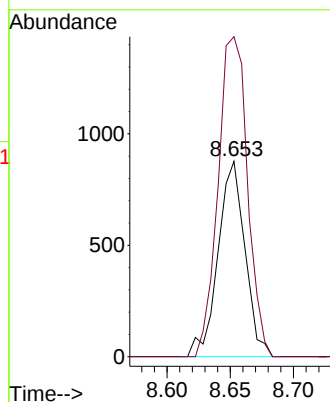
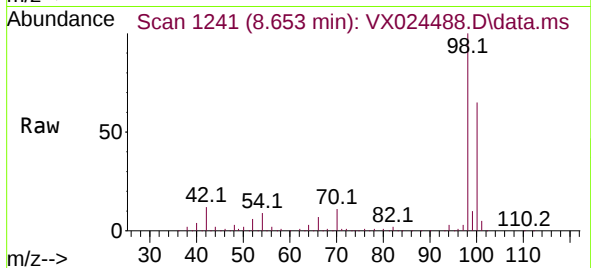




#51
4-Methyl-2-Pentanone
Concen: 0.520 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

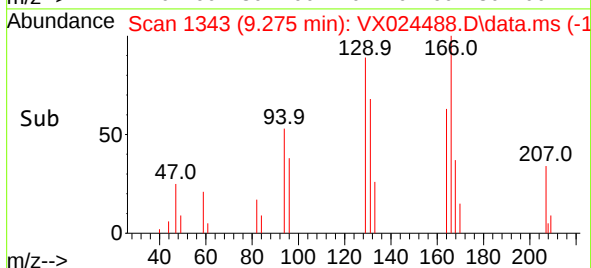
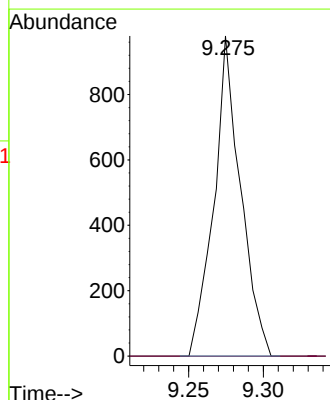
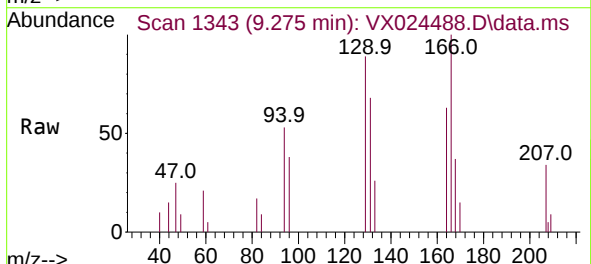
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20210917

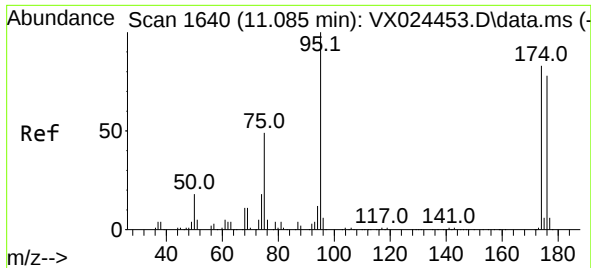
Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
58 179.1 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.874 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

Tgt Ion: 129 Resp: 1215
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

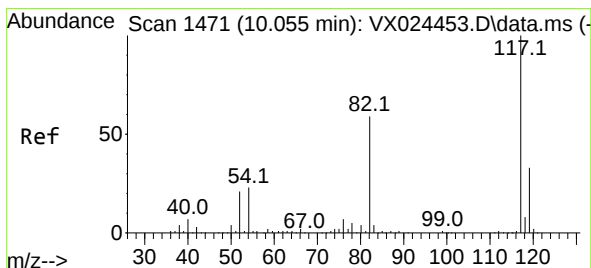
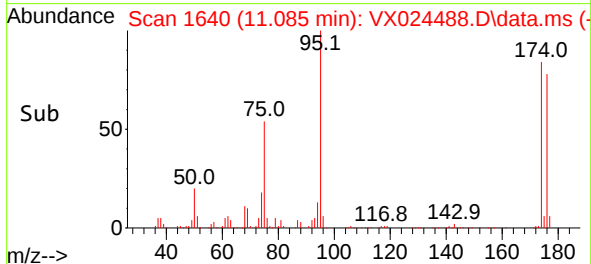
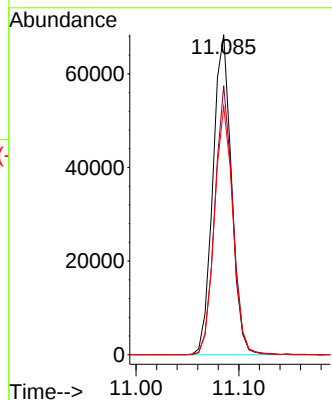
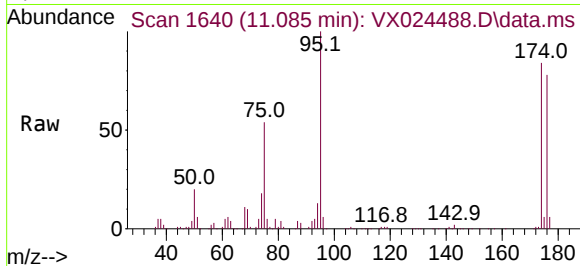




#62
4-Bromofluorobenzene
Concen: 42.816 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

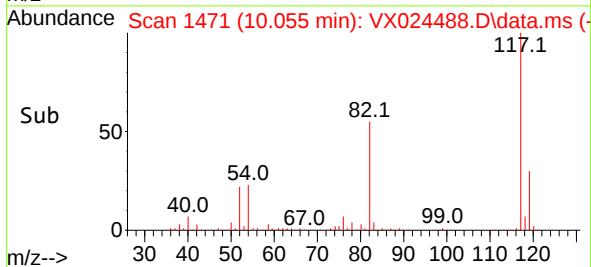
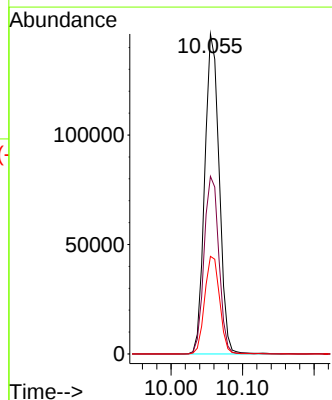
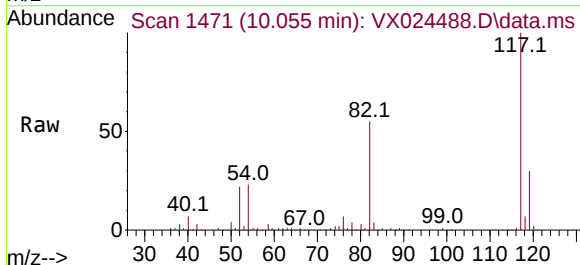
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20210917

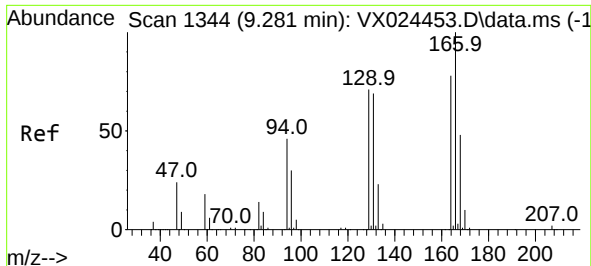
Tgt Ion:	95	Resp:	85555
Ion	Ratio	Lower	Upper
95	100		
174	81.2	0.0	154.6
176	77.5	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

Tgt Ion:	117	Resp:	205750
Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.4	71.2
119	30.5	26.6	39.8

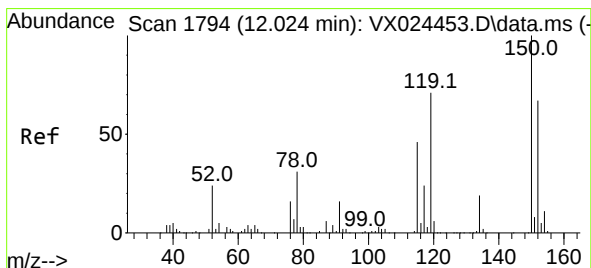
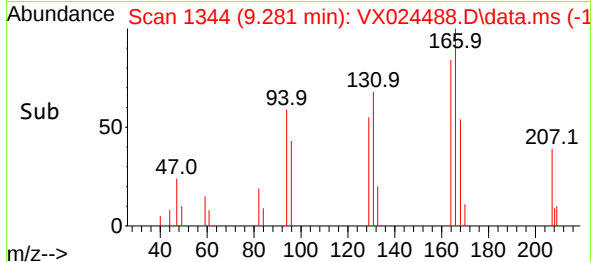
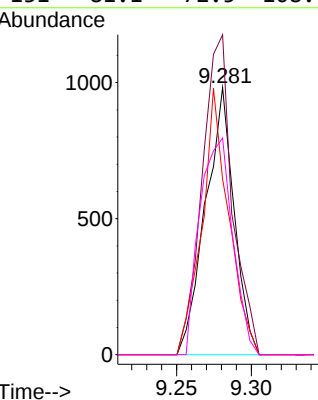
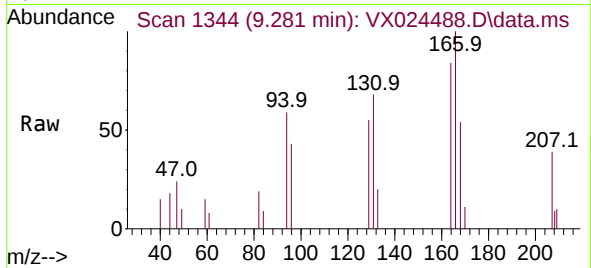




#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

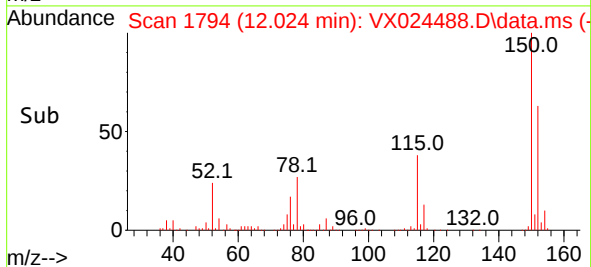
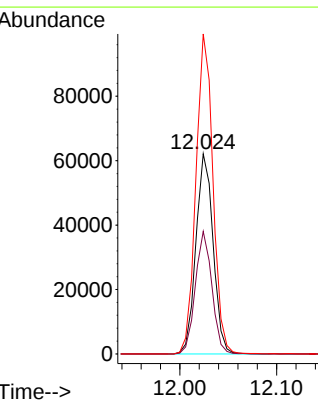
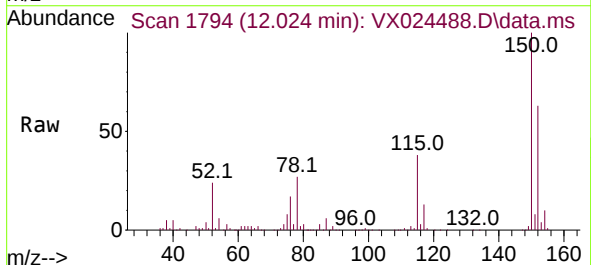
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20210917

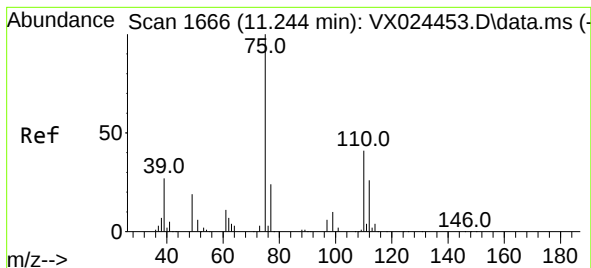
Tgt Ion:164	Resp:	1306
Ion	Ratio	Lower Upper
164	100	
166	119.8	103.4 155.2
129	65.7	70.8 106.2#
131	81.1	72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024488.D
Acq: 24 Sep 2021 07:23

Tgt Ion:152	Resp:	77067
Ion	Ratio	Lower Upper
152	100	
115	58.8	41.1 123.3
150	157.7	0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 26.393 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX024488.D

Acq: 24 Sep 2021 07:23

Tgt Ion: 75 Resp: 46192

Ion Ratio Lower Upper

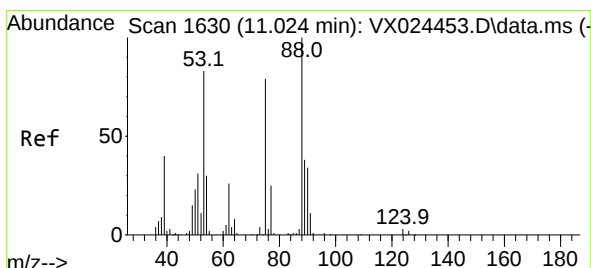
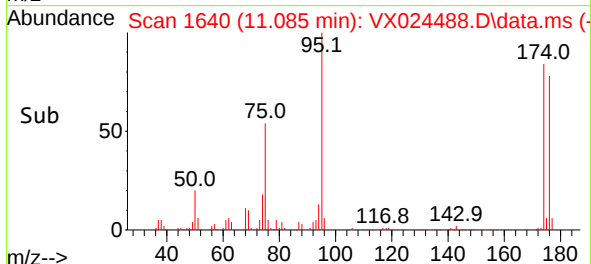
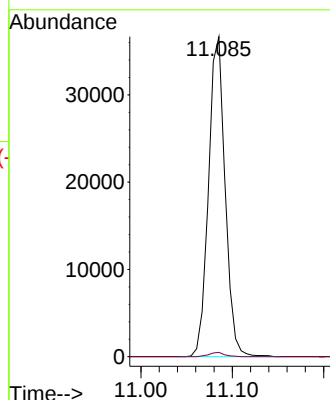
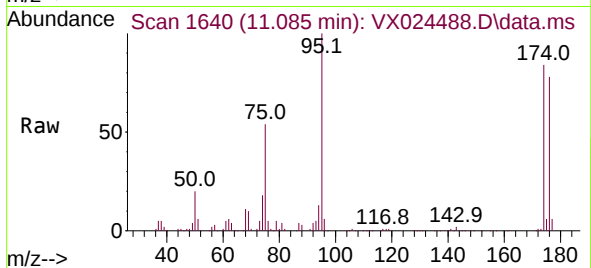
75 100
77 1.3 19.1 57.5#

Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20210917



#81

trans-1,4-Dichloro-2-butene

Concen: 71.865 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX024488.D

Acq: 24 Sep 2021 07:23

Tgt Ion: 75 Resp: 46192

Ion Ratio Lower Upper

75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

