

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024417.D
 Acq On : 22 Sep 2021 04:35
 Operator : JC/MD
 Sample : M3833-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20210920

Quant Time: Oct 01 04:13:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 21 10:52:48 2021
 Response via : Initial Calibration

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

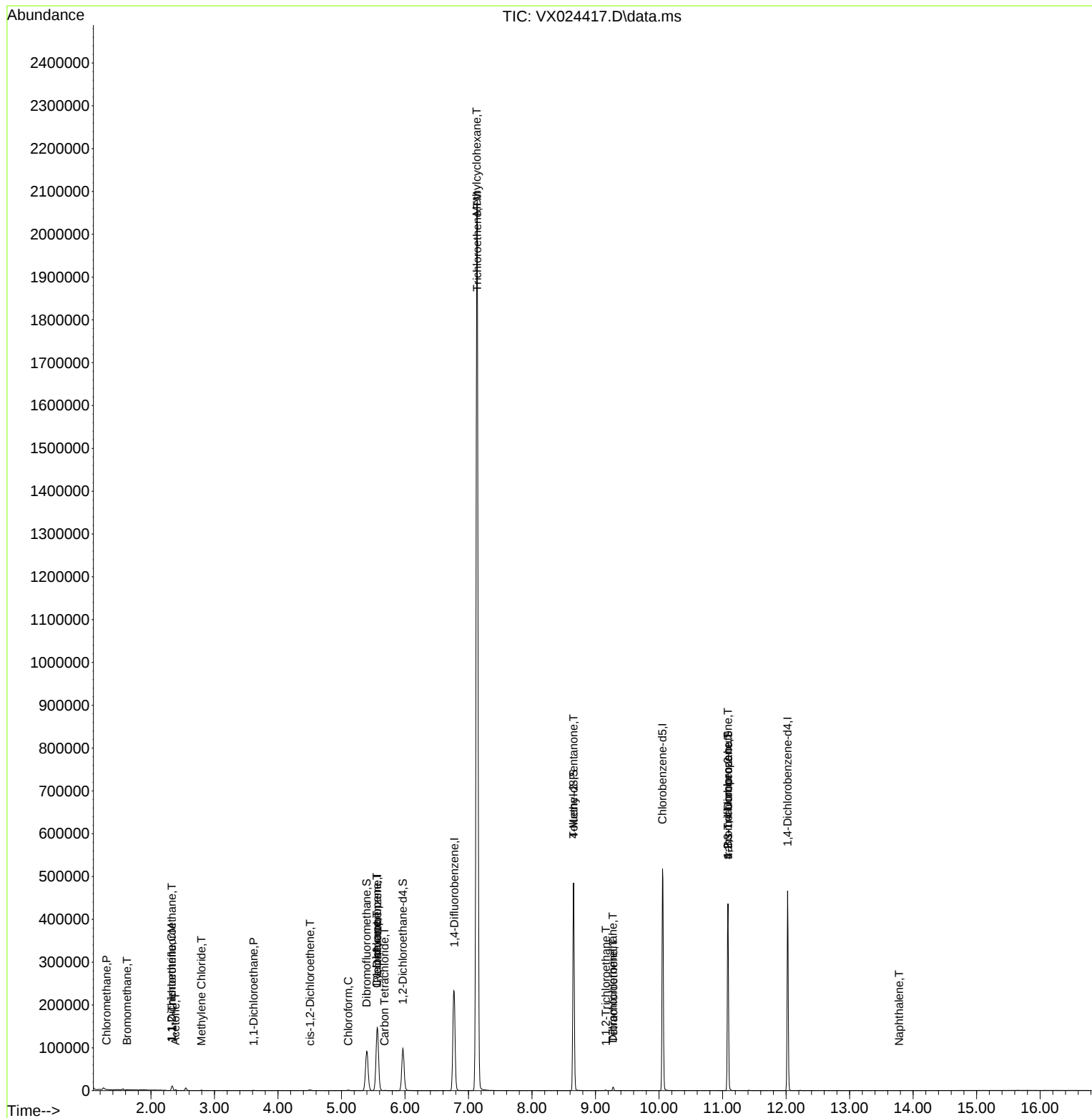
Internal Standards						
1) Pentafluorobenzene	5.562	168	136044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	239372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100481	51.796	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.600%	
35) Dibromofluoromethane	5.397	113	79015	49.220	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.440%	
50) Toluene-d8	8.653	98	271406	46.409	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 92.820%	
62) 4-Bromofluorobenzene	11.085	95	114834	50.456	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.920%	
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	418	0.306	ug/l #	85
5) Bromomethane	1.624	94	356	0.440	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	3678	2.746	ug/l	94
11) Tert butyl alcohol	2.965	59	60	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	611	0.487	ug/l #	85
16) Acetone	2.386	43	1866	2.256	ug/l #	77
20) Methylene Chloride	2.794	84	596	0.375	ug/l #	40
24) 1,1-Dichloroethane	3.617	63	1029	0.392	ug/l #	81
27) cis-1,2-Dichloroethene	4.507	96	1160	0.731	ug/l	81
30) Chloroform	5.105	83	1570	0.562	ug/l #	74
31) Cyclohexane	5.556	56	2828	1.246	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10959	4.980	ug/l #	45
38) Carbon Tetrachloride	5.678	117	538	0.217	ug/l #	71
39) Methylcyclohexane	7.129	83	9088	3.459	ug/l #	1
44) Trichloroethene	7.135	130	779168	439.336	ug/l	99
51) 4-Methyl-2-Pentanone	8.653	43	1404	0.540	ug/l #	1
55) 1,1,2-Trichloroethane	9.165	97	436	0.247	ug/l #	75
60) Dibromochloromethane	9.275	129	1466	2.435	ug/l #	11
64) Tetrachloroethene	9.281	164	1445	0.785	ug/l	86
76) 1,2,3-Trichloropropane	11.085	75	61056	29.439	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	61056	86.581	ug/l #	12
95) Naphthalene	13.780	128	23	1.291	ug/l #	69

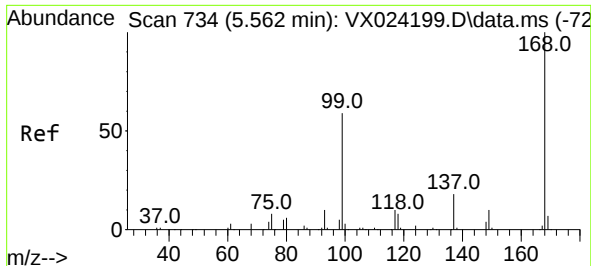
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 21 10:52:48 2021
Response via : Initial Calibration

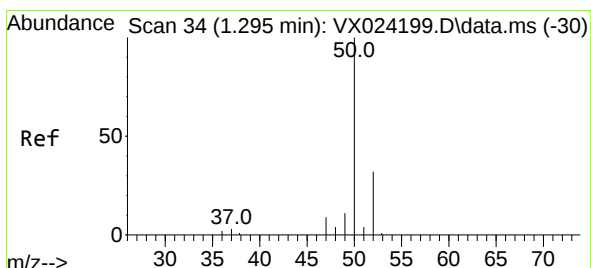
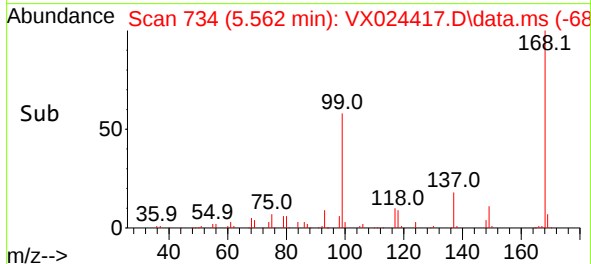
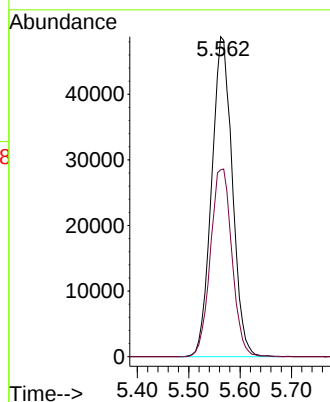
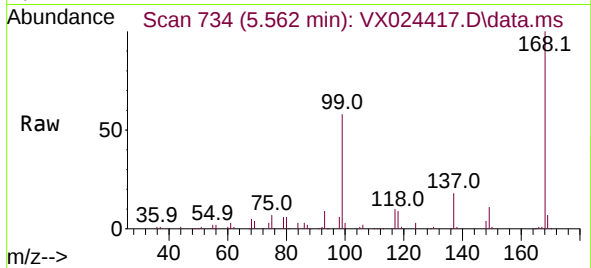




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

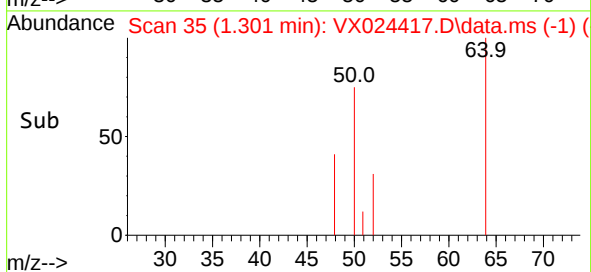
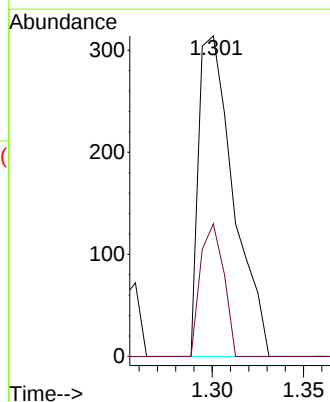
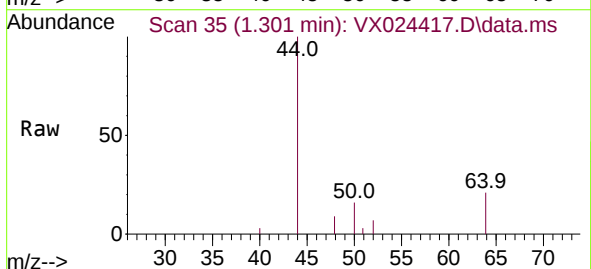
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20210920

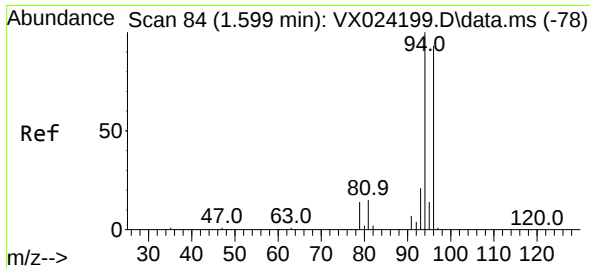
Tgt Ion:168 Resp: 136044
Ion Ratio Lower Upper
168 100
99 58.4 45.8 68.6



#3
Chloromethane
Concen: 0.306 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Tgt Ion: 50 Resp: 418
Ion Ratio Lower Upper
50 100
52 41.4 26.4 39.6#

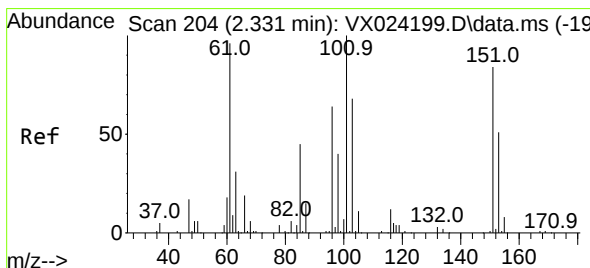
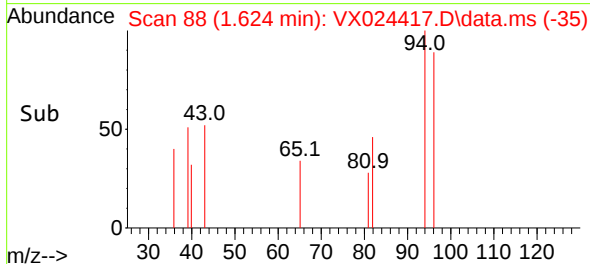
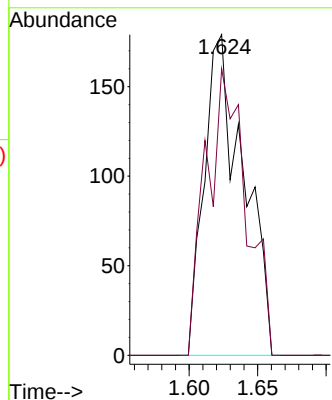
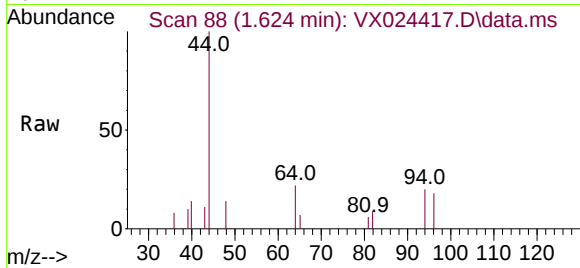




#5
Bromomethane
Concen: 0.440 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

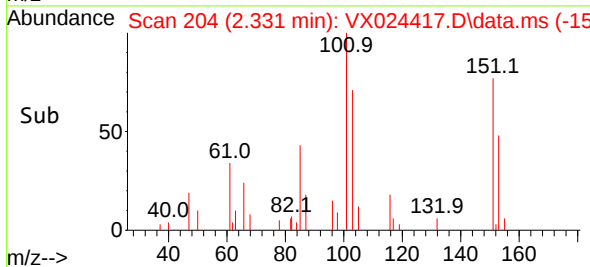
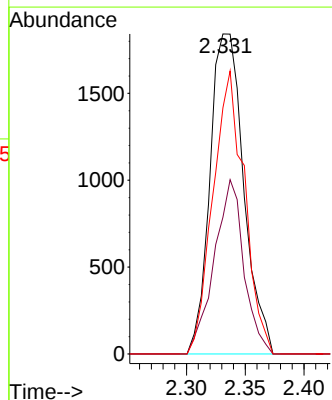
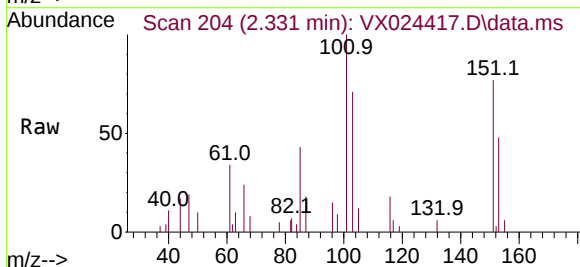
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20210920

Tgt Ion: 94 Resp: 356
Ion Ratio Lower Upper
94 100
96 89.4 76.4 114.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.746 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Tgt Ion: 101 Resp: 3678
Ion Ratio Lower Upper
101 100
85 47.9 34.9 52.3
151 82.2 61.4 92.2



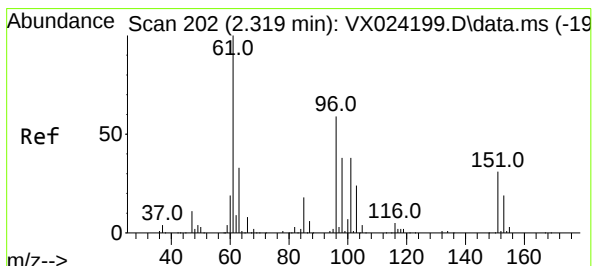
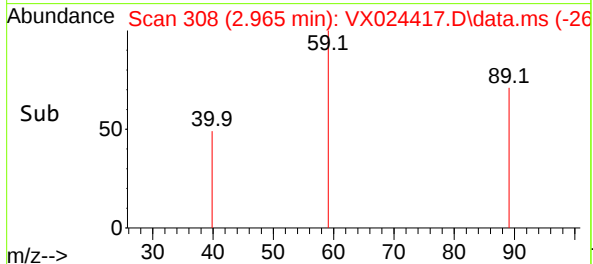
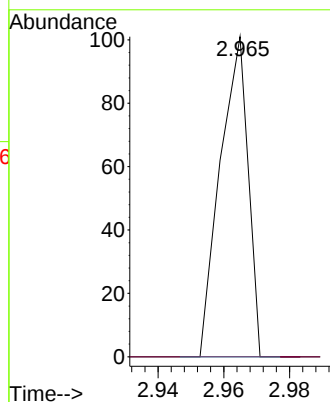
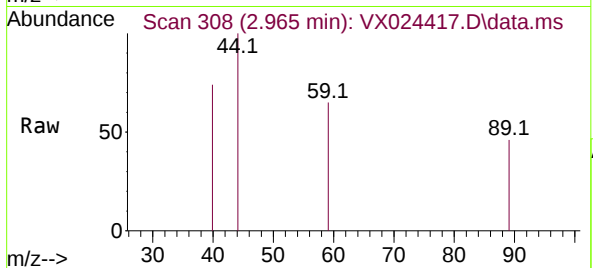


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20210920

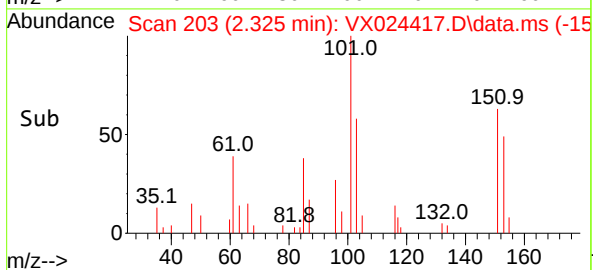
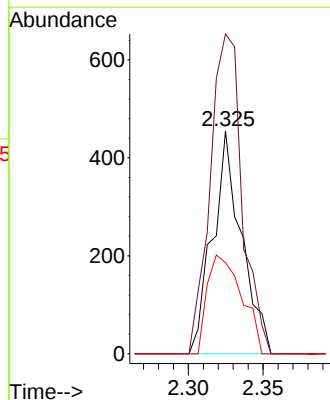
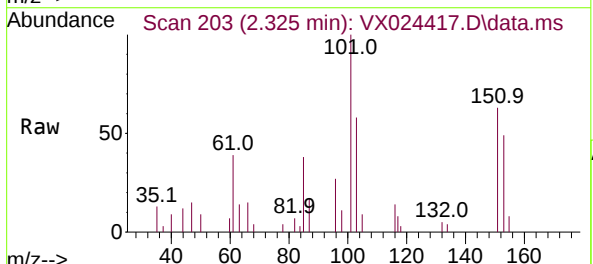
Tgt Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

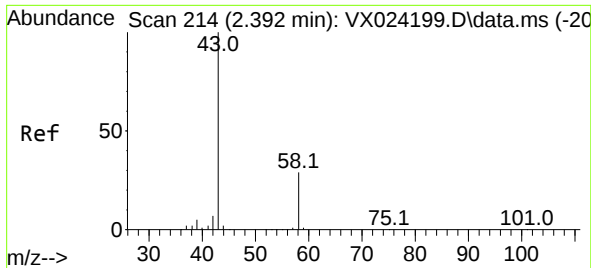


#12

1,1-Dichloroethene
Concen: 0.487 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Tgt Ion: 96 Resp: 611
Ion Ratio Lower Upper
96 100
61 143.5 124.6 187.0
98 40.9 50.6 76.0#

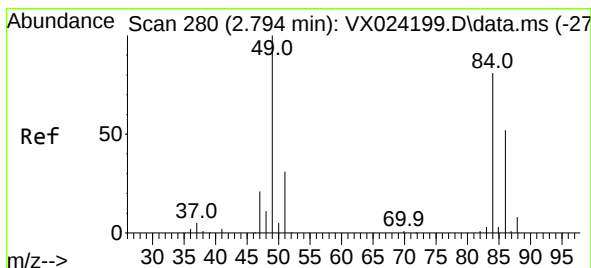
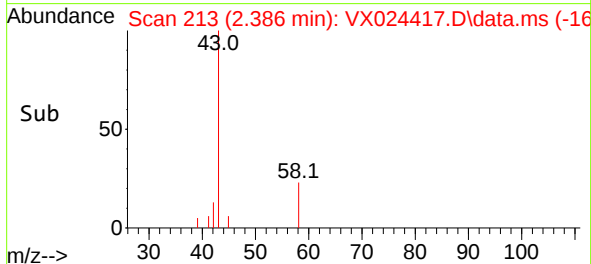
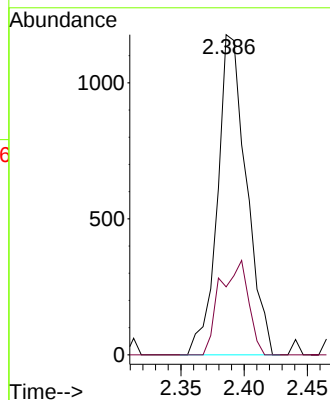
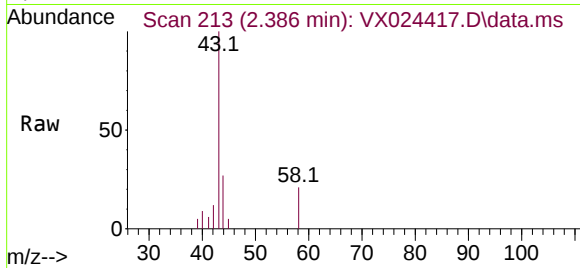




#16
Acetone
Concen: 2.256 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

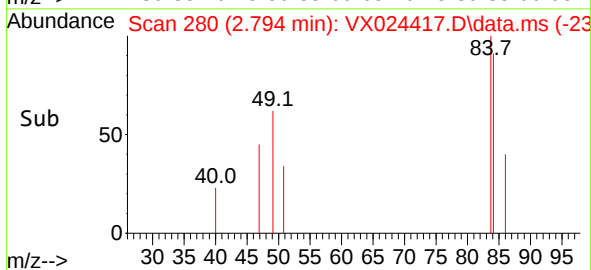
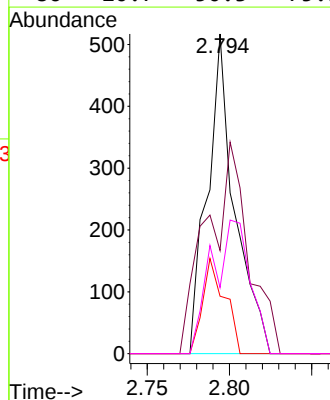
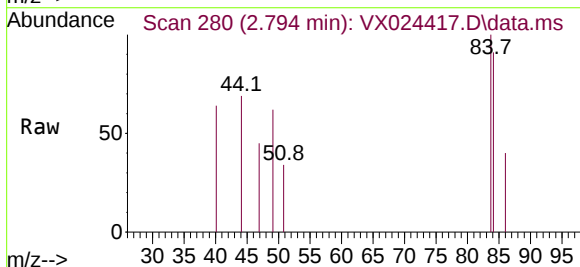
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20210920

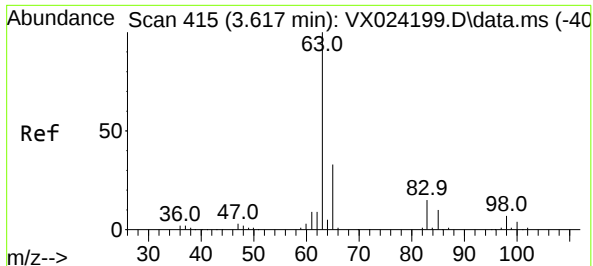
Tgt Ion: 43 Resp: 1866
Ion Ratio Lower Upper
43 100
58 21.2 27.8 41.8#



#20
Methylene Chloride
Concen: 0.375 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Tgt Ion: 84 Resp: 596
Ion Ratio Lower Upper
84 100
49 32.3 88.6 132.8#
51 18.0 27.0 40.6#
86 20.7 50.3 75.5#

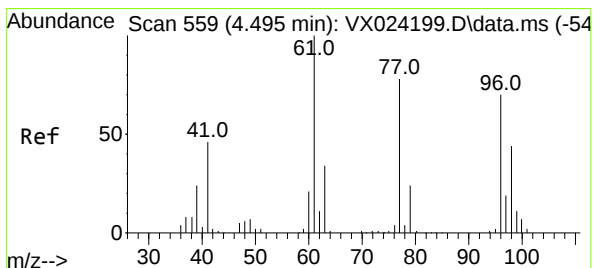
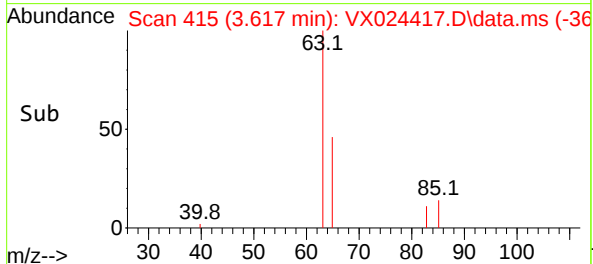
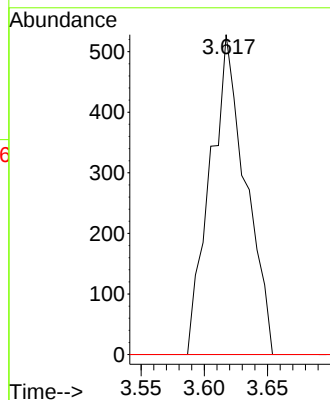
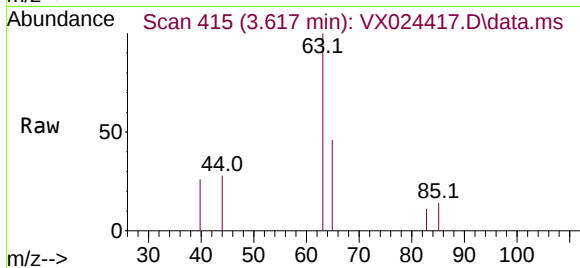




#24
1,1-Dichloroethane
Concen: 0.392 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

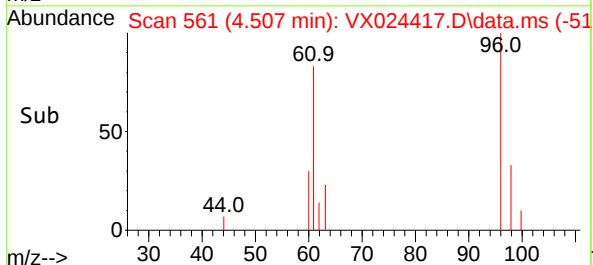
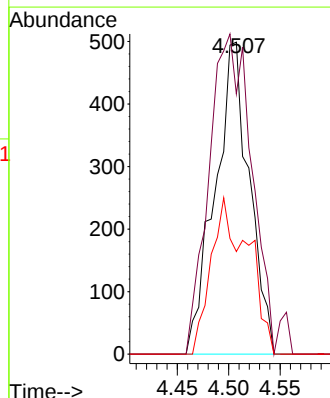
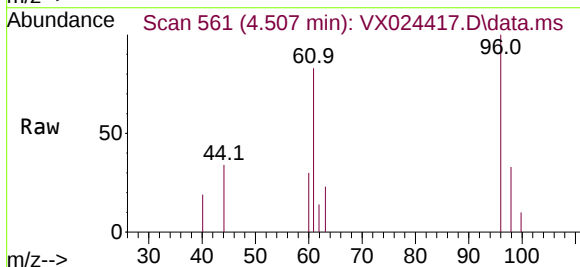
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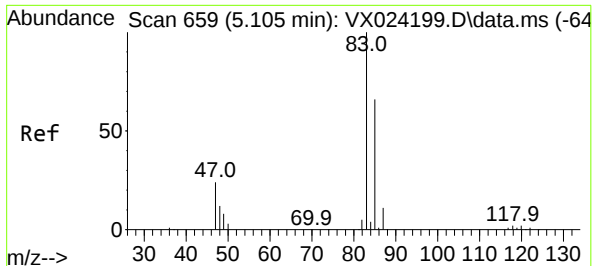
Tgt Ion:	63	Resp:	1029
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.5	7.5#



#27
cis-1,2-Dichloroethene
Concen: 0.731 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.012 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Tgt Ion:	96	Resp:	1160
Ion	Ratio	Lower	Upper
96	100		
61	130.8	0.0	285.6
98	33.9	0.0	129.6





#30

Chloroform

Concen: 0.562 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX024417.D

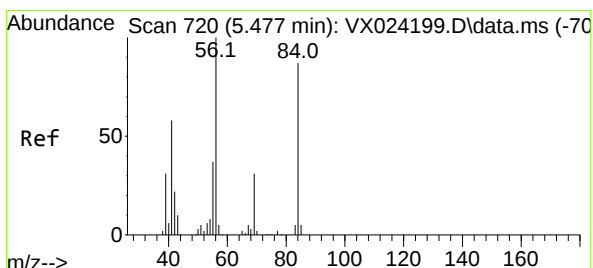
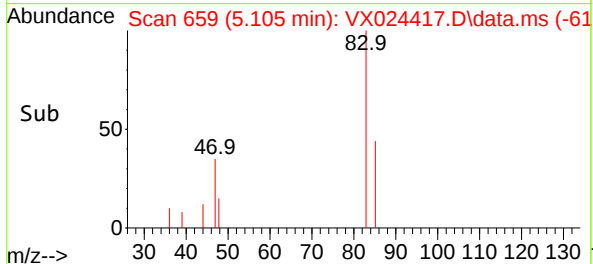
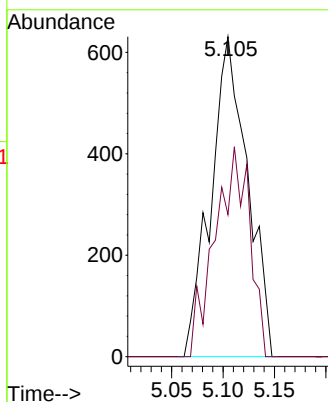
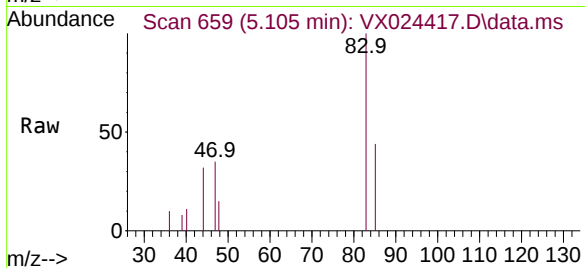
Acq: 22 Sep 2021 04:35

Tgt Ion: 83 Resp: 1570

Ion Ratio Lower Upper

83 100

85 44.4 52.0 78.0#



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX024417.D

Acq: 22 Sep 2021 04:35

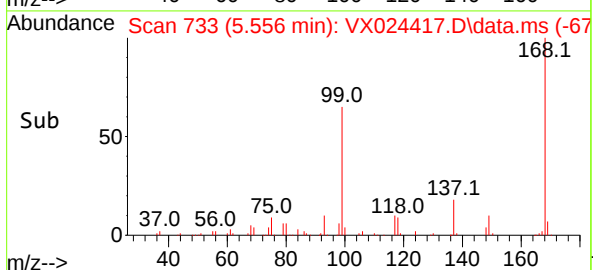
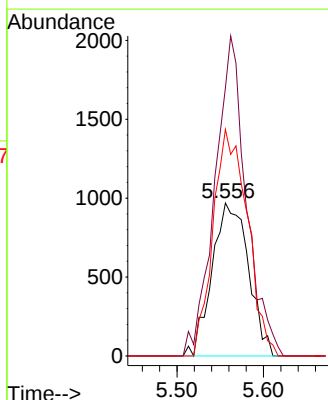
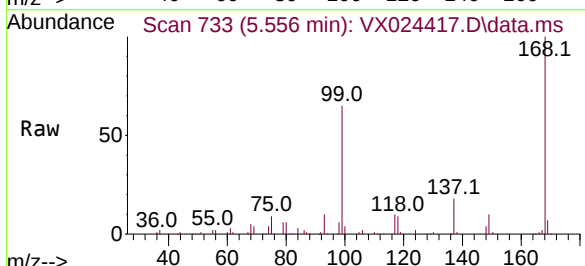
Tgt Ion: 56 Resp: 2828

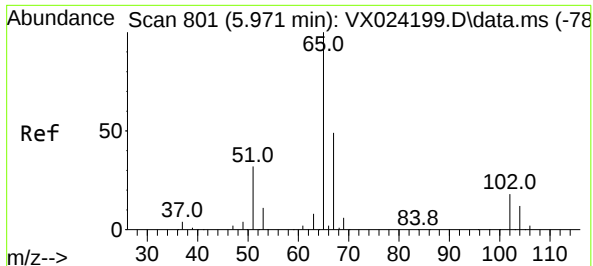
Ion Ratio Lower Upper

56 100

69 175.2 25.3 37.9#

84 148.2 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.796 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.007 min

Lab File: VX024417.D

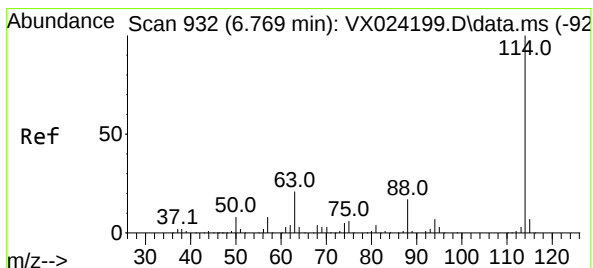
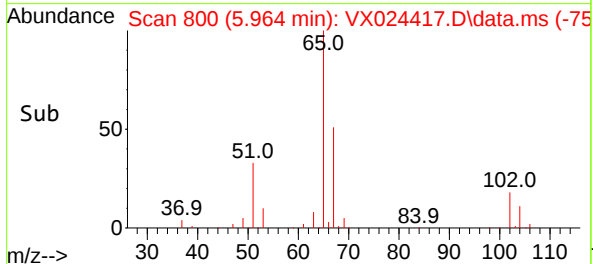
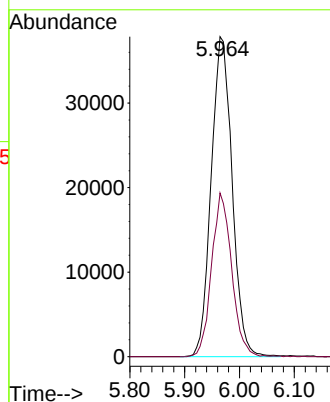
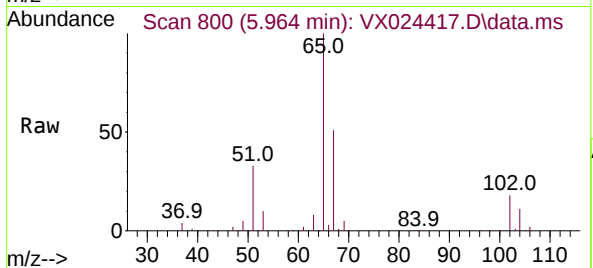
Acq: 22 Sep 2021 04:35

Tgt Ion: 65 Resp: 100481

Ion Ratio Lower Upper

65 100

67 49.0 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.006 min

Lab File: VX024417.D

Acq: 22 Sep 2021 04:35

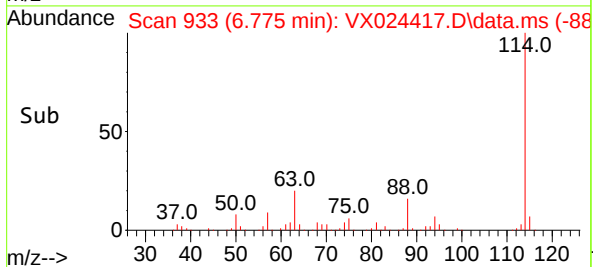
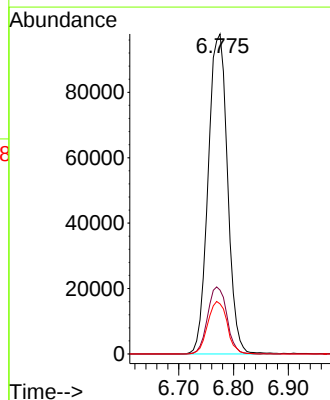
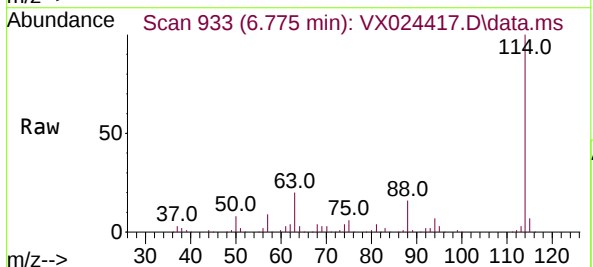
Tgt Ion: 114 Resp: 239372

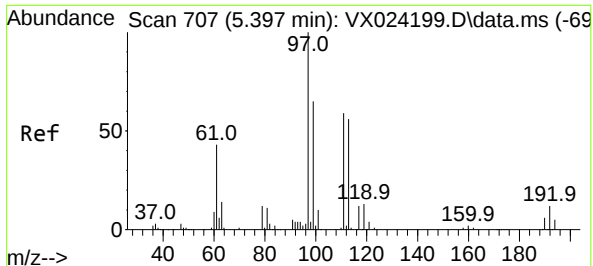
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.7 0.0 32.8

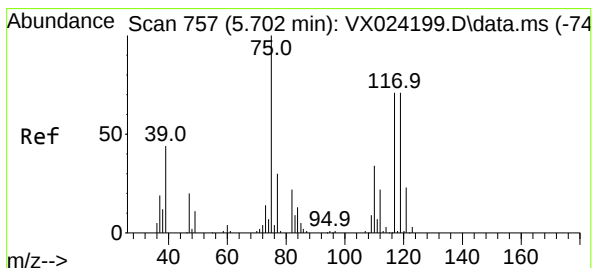
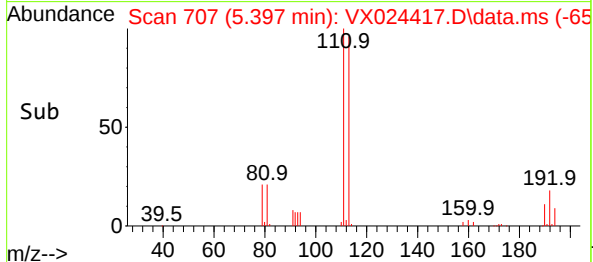
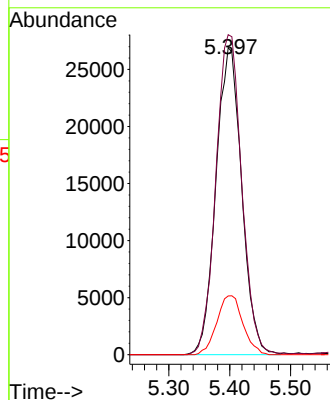
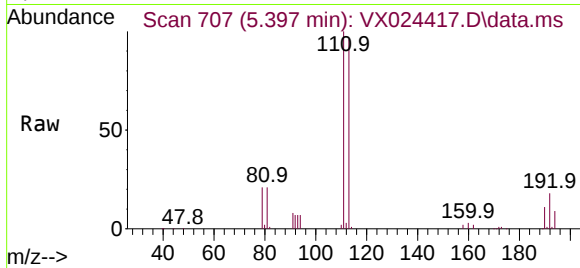




#35
Dibromofluoromethane
Concen: 49.220 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

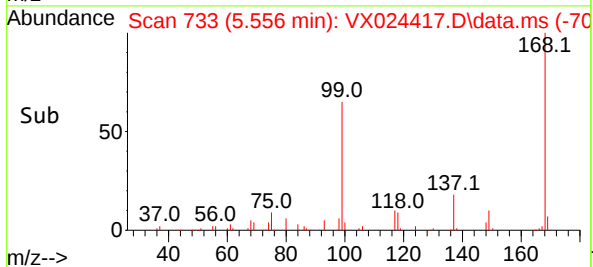
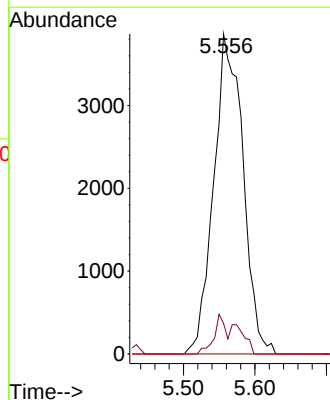
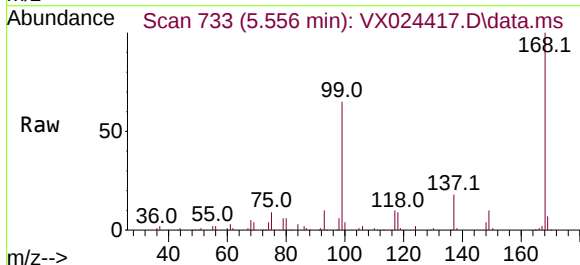
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20210920

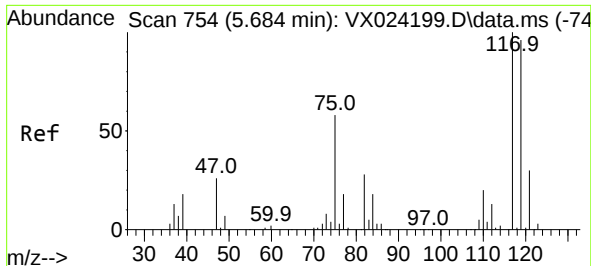
Tgt Ion:	113	Resp:	79015
Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.9	122.9
192	19.5	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.980 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Tgt Ion:	75	Resp:	10959
Ion	Ratio	Lower	Upper
75	100		
110	4.9	18.1	54.4#
77	0.0	25.3	37.9#

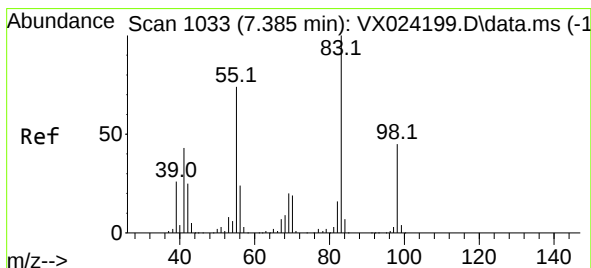
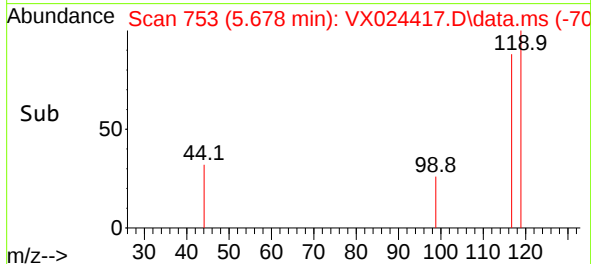
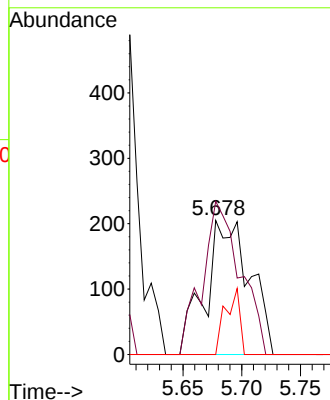
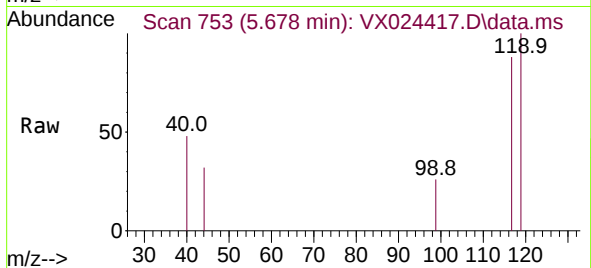




#38
Carbon Tetrachloride
Concen: 0.217 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

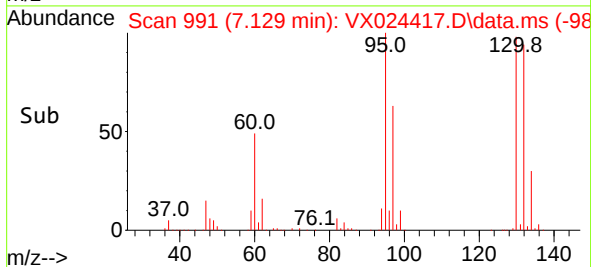
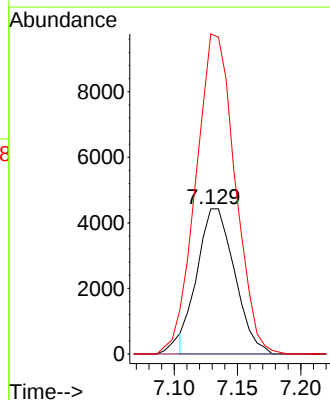
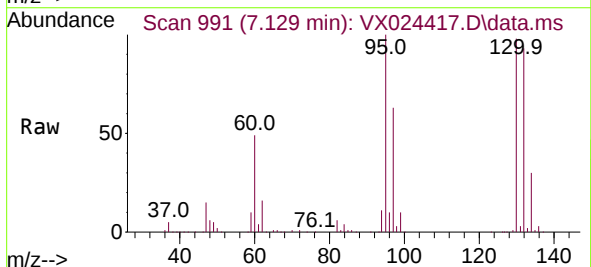
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20210920

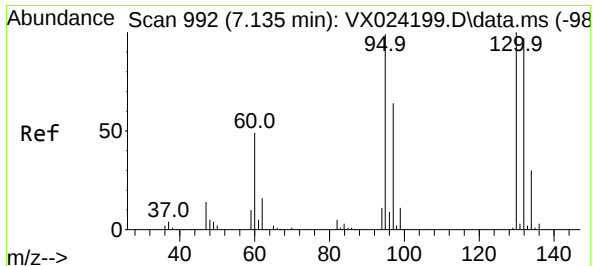
Tgt Ion:117 Resp: 538
Ion Ratio Lower Upper
117 100
119 114.1 76.2 114.2
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 3.459 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Tgt Ion: 83 Resp: 9088
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 219.2 38.1 57.1#

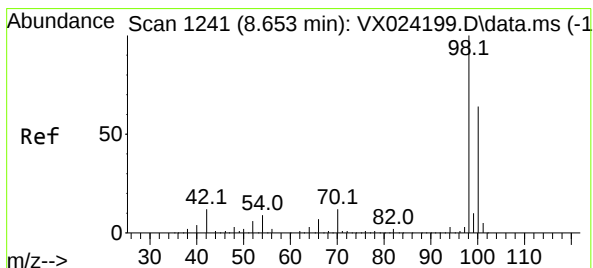
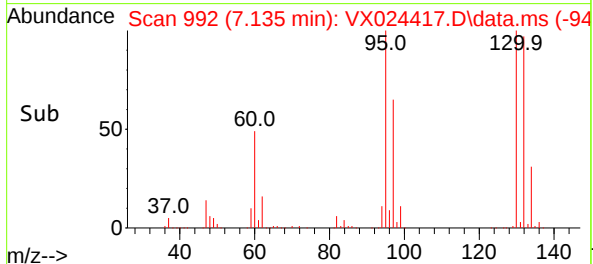
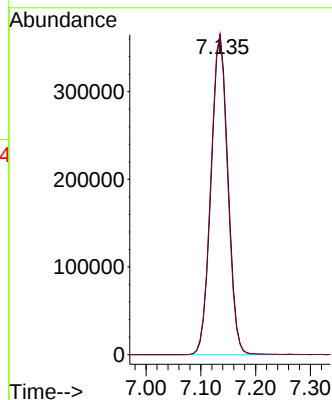
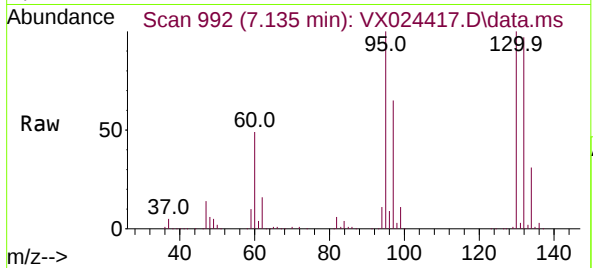




#44
Trichloroethene
Concen: 439.336 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

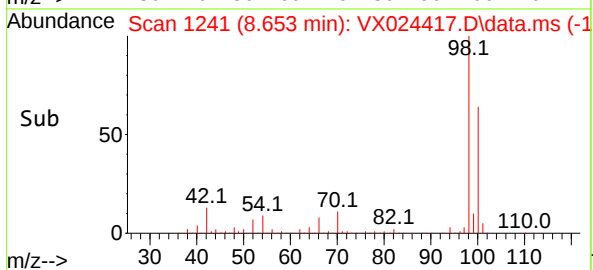
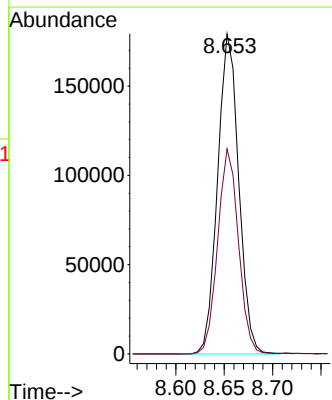
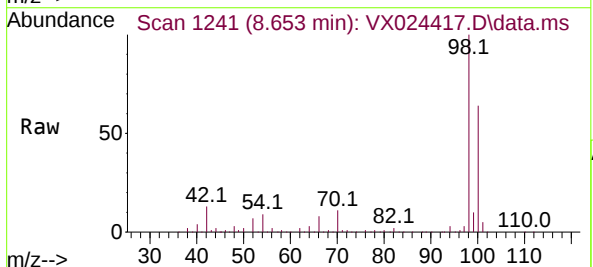
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20210920

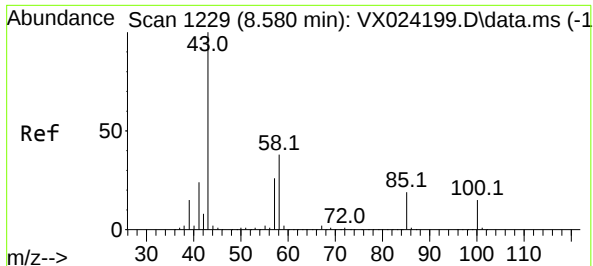
Tgt Ion:130 Resp: 779168
Ion Ratio Lower Upper
130 100
95 99.9 0.0 198.0



#50
Toluene-d8
Concen: 46.409 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Tgt Ion: 98 Resp: 271406
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9

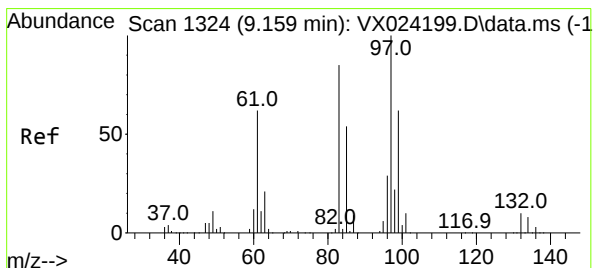
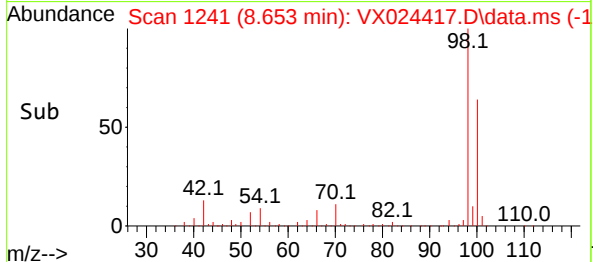
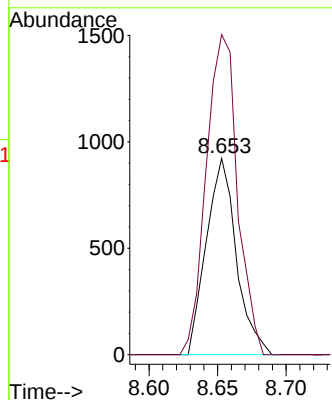
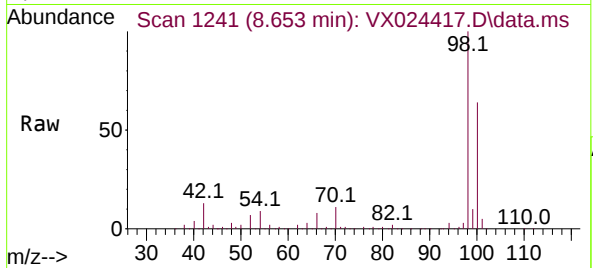




#51
4-Methyl-2-Pentanone
Concen: 0.540 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

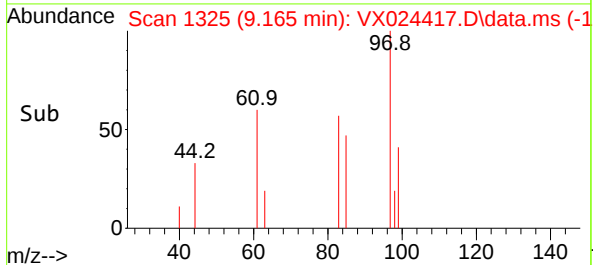
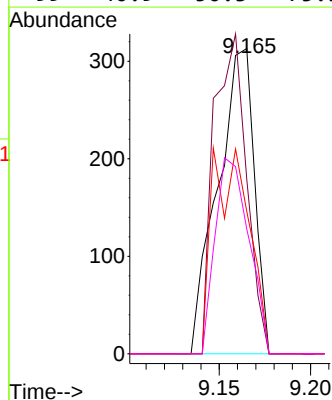
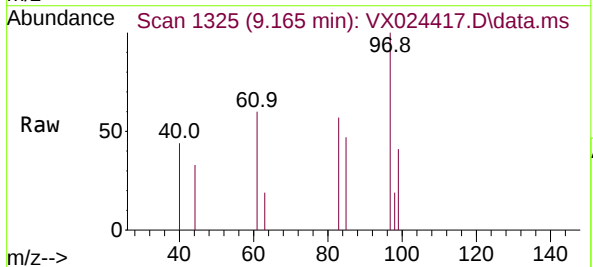
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20210920

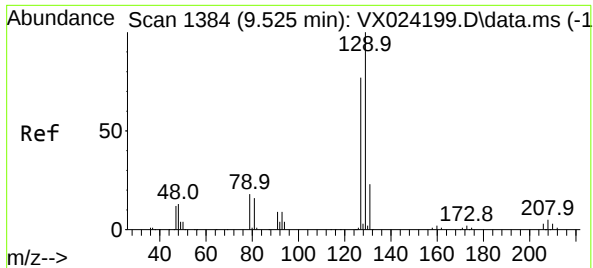
Tgt Ion: 43 Resp: 1404
Ion Ratio Lower Upper
43 100
58 170.0 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.247 ug/l
RT: 9.165 min Scan# 1325
Delta R.T. 0.006 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Tgt Ion: 97 Resp: 436
Ion Ratio Lower Upper
97 100
83 57.2 69.3 103.9#
85 46.6 44.3 66.5
99 40.9 50.3 75.5#

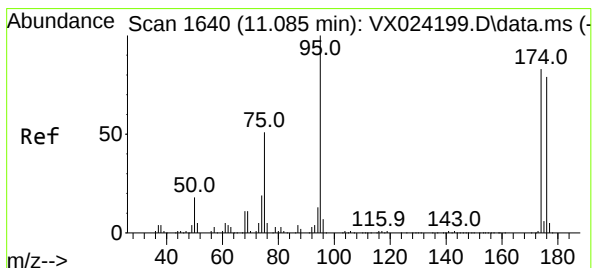
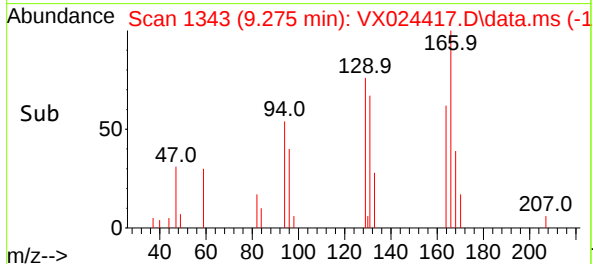
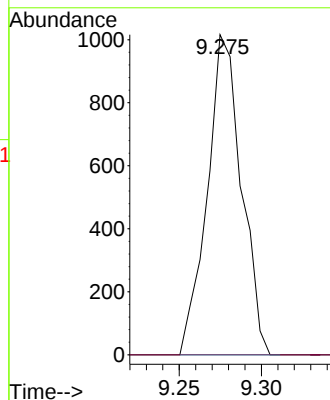
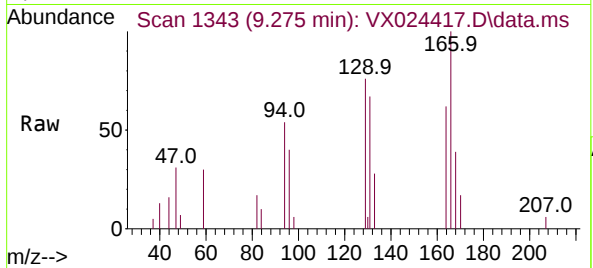




#60
Dibromochloromethane
Concen: 2.435 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

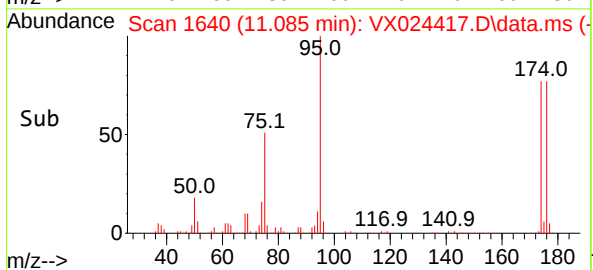
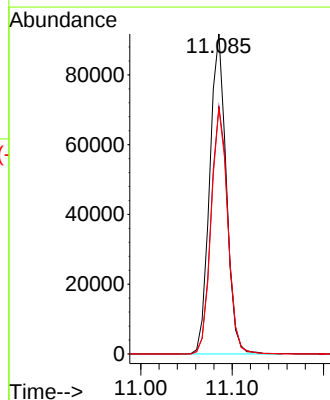
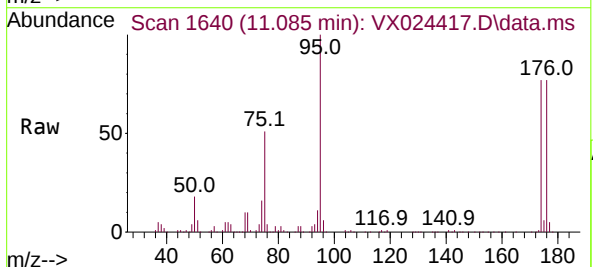
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20210920

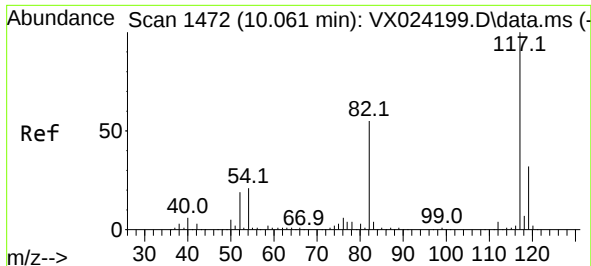
Tgt Ion:129 Resp: 1466
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 50.456 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Tgt Ion: 95 Resp: 114834
Ion Ratio Lower Upper
95 100
174 78.6 0.0 154.6
176 76.7 0.0 155.8

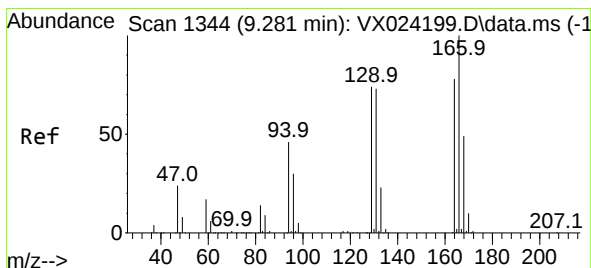
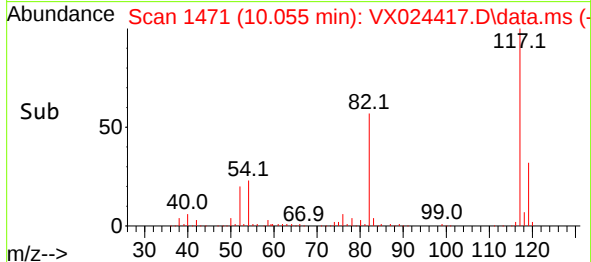
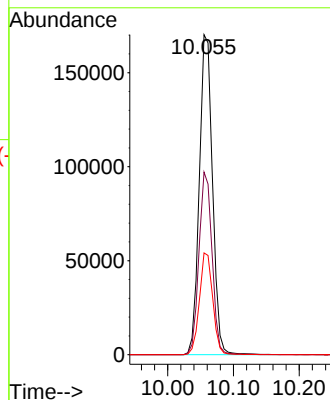
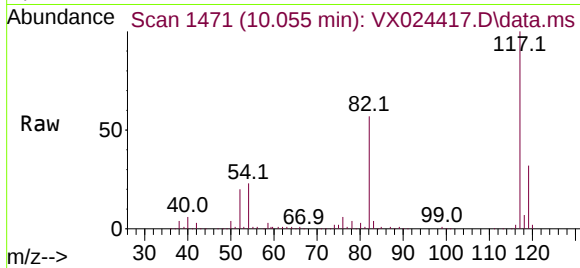




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

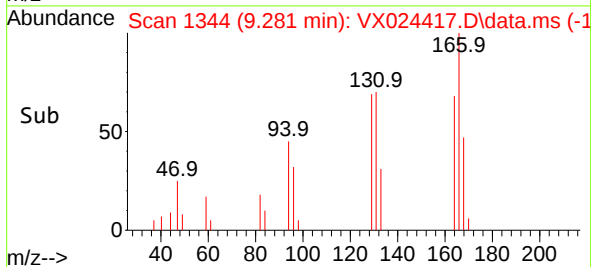
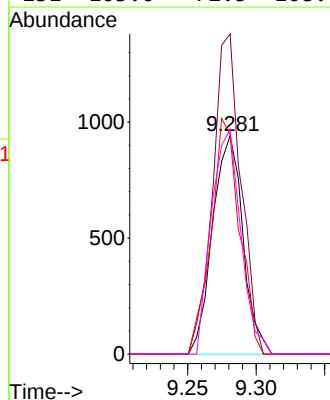
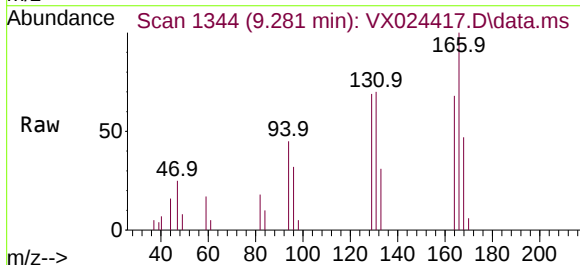
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20210920

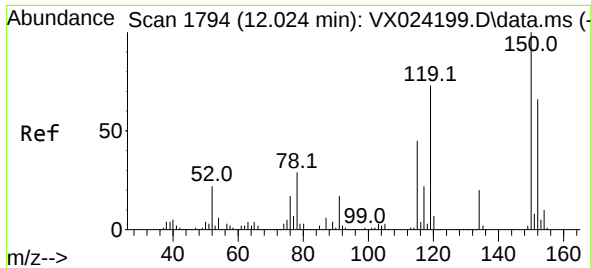
Tgt Ion:117 Resp: 237632
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 31.8 26.6 39.8



#64
Tetrachloroethene
Concen: 0.785 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Tgt Ion:164 Resp: 1445
Ion Ratio Lower Upper
164 100
166 146.7 103.4 155.2
129 100.5 70.8 106.2
131 103.0 72.5 108.7

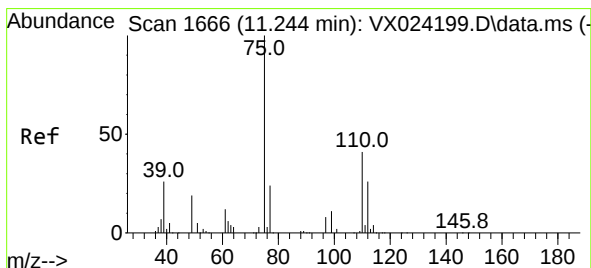
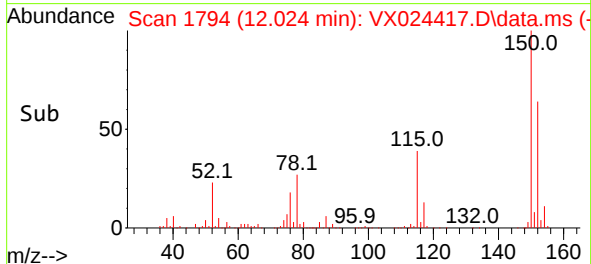
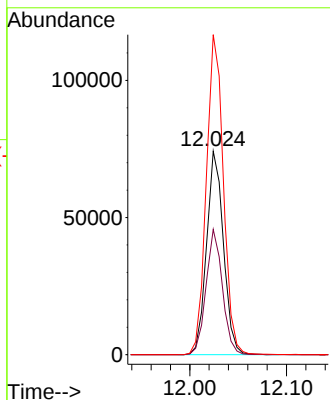
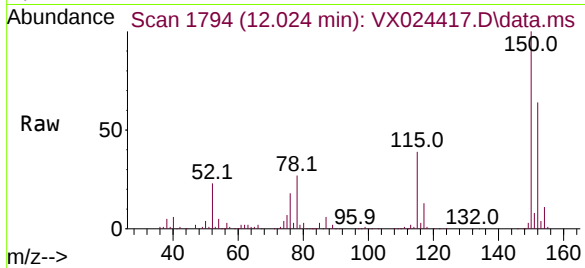




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024417.D
 Acq: 22 Sep 2021 04:35

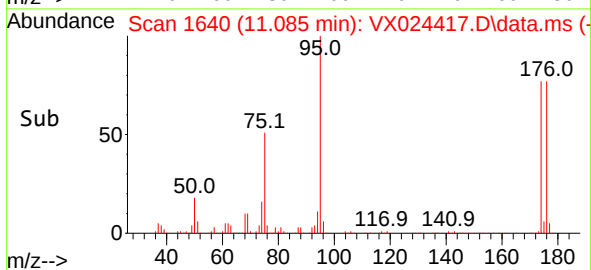
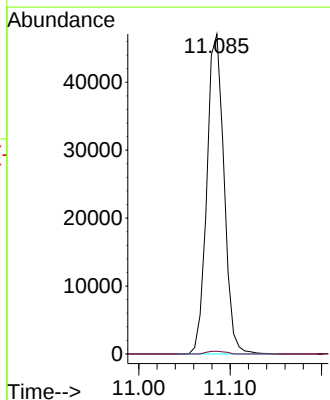
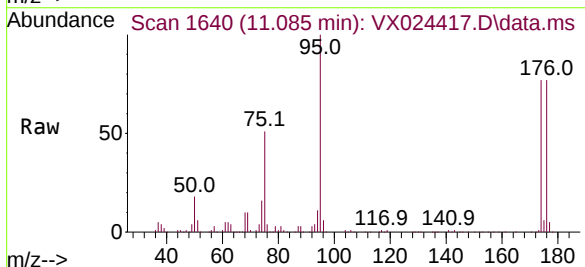
Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20210920

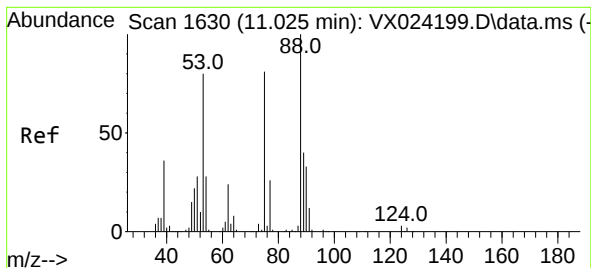
Tgt Ion:152 Resp: 90196
 Ion Ratio Lower Upper
 152 100
 115 59.7 41.1 123.3
 150 158.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.439 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024417.D
 Acq: 22 Sep 2021 04:35

Tgt Ion: 75 Resp: 61056
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#

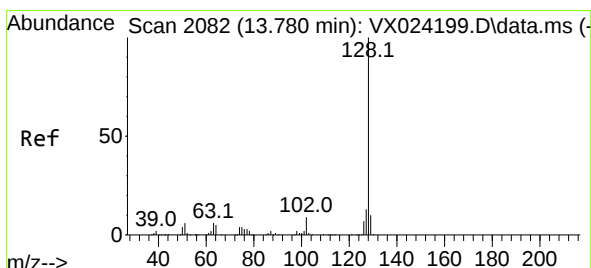
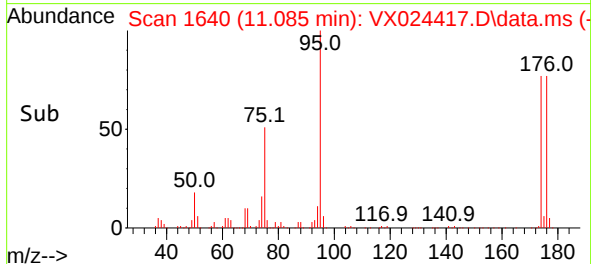
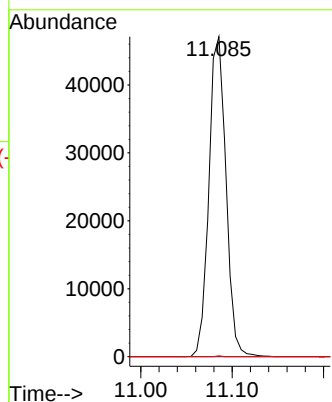
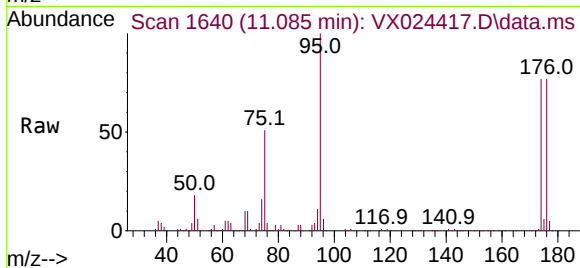




#81
trans-1,4-Dichloro-2-butene
Concen: 86.581 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20210920

Tgt Ion: 75 Resp: 61056
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.291 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024417.D
Acq: 22 Sep 2021 04:35

Tgt Ion: 128 Resp: 23
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

