

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090121\
 Data File : VY005924.D
 Acq On : 01 Sep 2021 12:44
 Operator : SY/MD
 Sample : M3609-01
 Misc : 5.04G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-083121

Quant Time: Sep 02 07:47:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

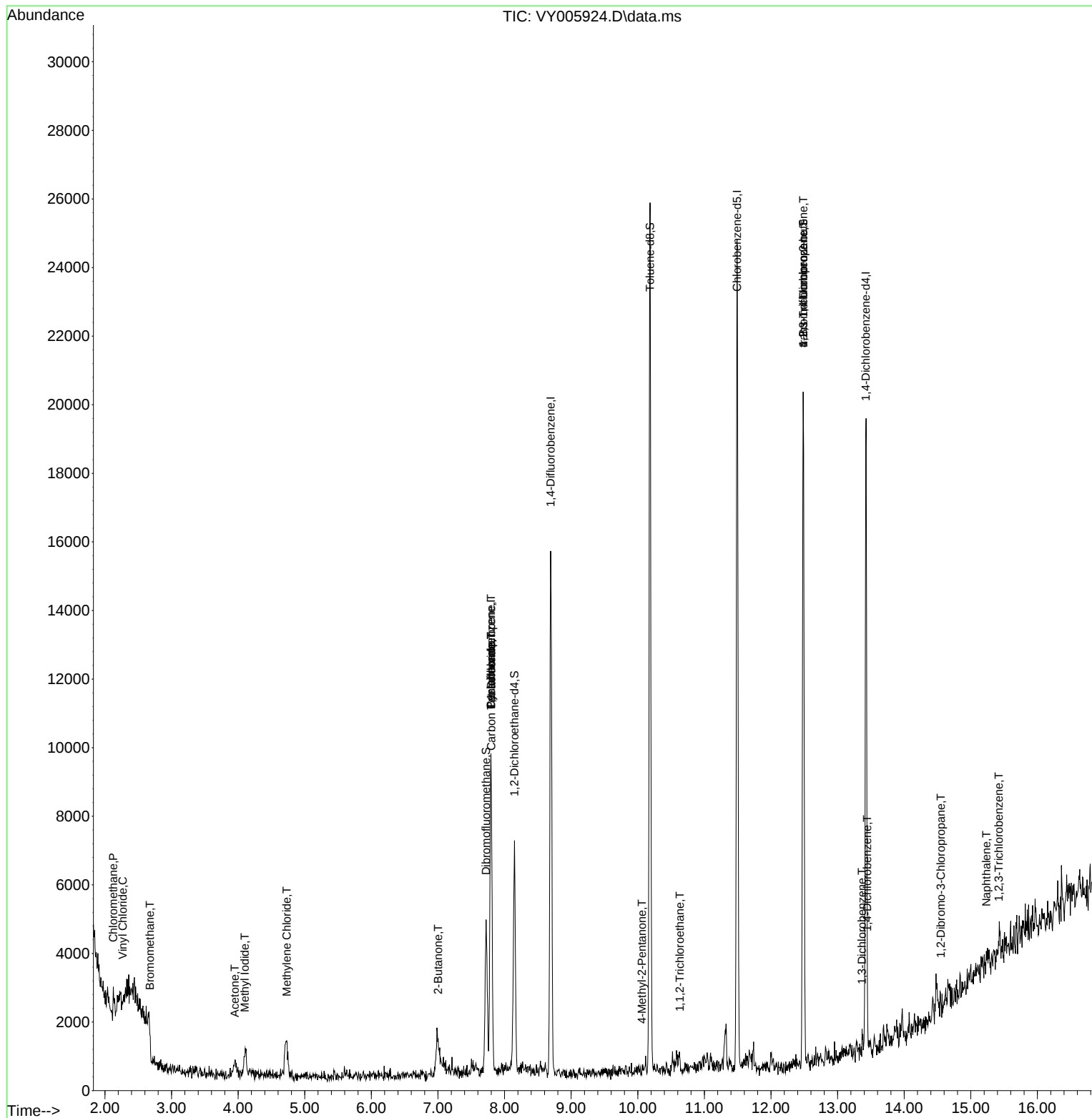
Internal Standards						
1) Pentafluorobenzene	7.795	168	8232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	13882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	13157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5076	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	5073	61.15	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.30%			
35) Dibromofluoromethane	7.722	113	3198	41.02	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 82.04%			
50) Toluene-d8	10.185	98	16942	51.78	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.56%			
62) 4-Bromofluorobenzene	12.483	95	4713	42.90	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.80%			
Target Compounds					Qvalue	
3) Chloromethane	2.125	50	120	1.54	ug/l #	42
4) Vinyl Chloride	2.266	62	300	2.96	ug/l #	43
5) Bromomethane	2.674	94	186	2.72	ug/l	94
10) Methyl Iodide	4.101	142	1025	11.72	ug/l #	96
16) Acetone	3.948	43	880	41.60	ug/l	94
20) Methylene Chloride	4.729	84	831	5.80	ug/l	97
25) 2-Butanone	7.003	43	54	1.81	ug/l #	47
31) Cyclohexane	7.795	56	164	1.17	ug/l #	40
36) 1,1-Dichloropropene	7.795	75	758	5.80	ug/l #	41
38) Carbon Tetrachloride	7.801	117	693	4.89	ug/l #	12
51) 4-Methyl-2-Pentanone	10.063	43	110	1.44	ug/l #	35
55) 1,1,2-Trichloroethane	10.630	97	258	3.45	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	2782	58.56	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2782	111.36	ug/l #	13
87) 1,3-Dichlorobenzene	13.367	146	176	1.06	ug/l #	35
88) 1,4-Dichlorobenzene	13.447	146	231	1.39	ug/l #	54
92) 1,2-Dibromo-3-Chloropr...	14.550	75	20	1.66	ug/l #	1
95) Naphthalene	15.233	128	230	1.21	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.422	180	139	1.60	ug/l #	76

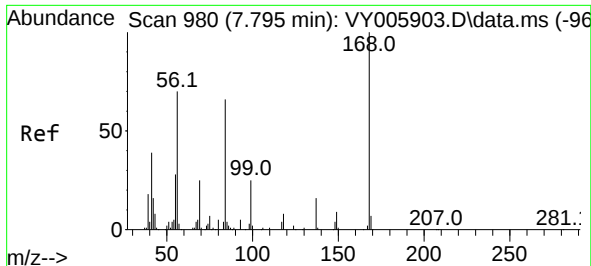
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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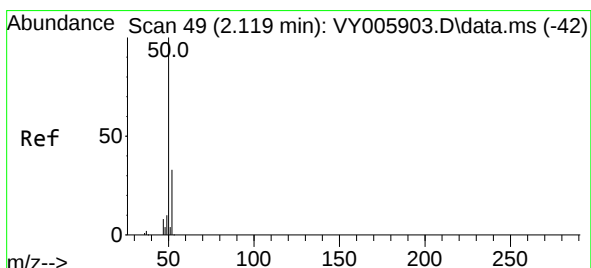
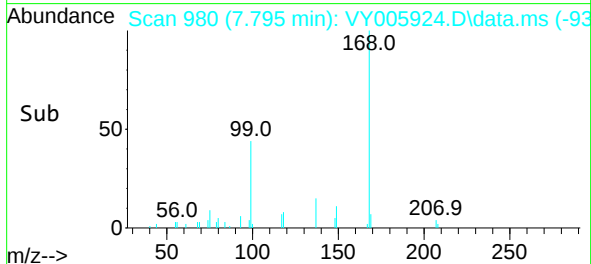
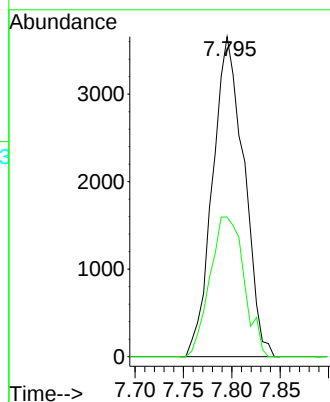
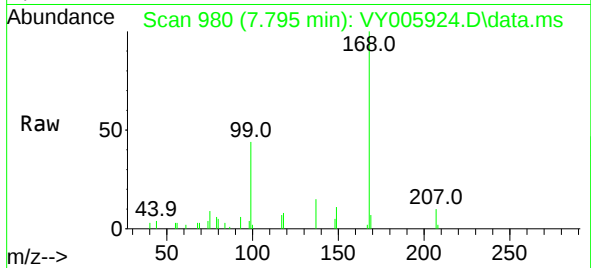




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

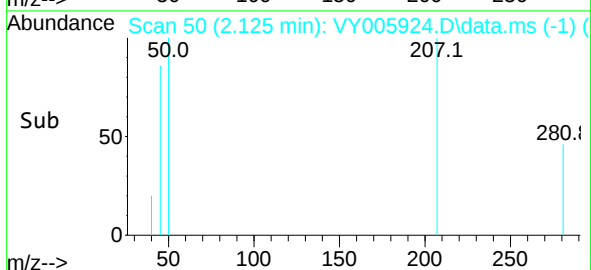
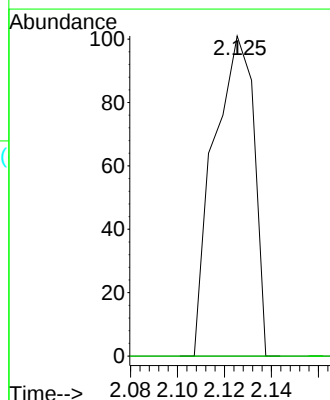
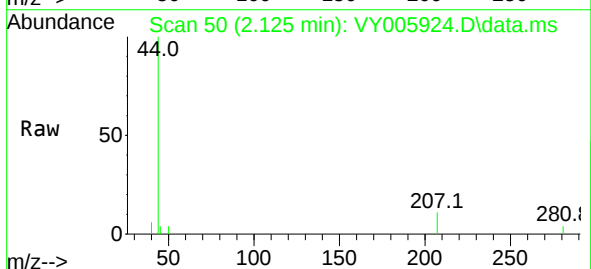
Instrument :
MSVOA_Y
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EO-01-083121

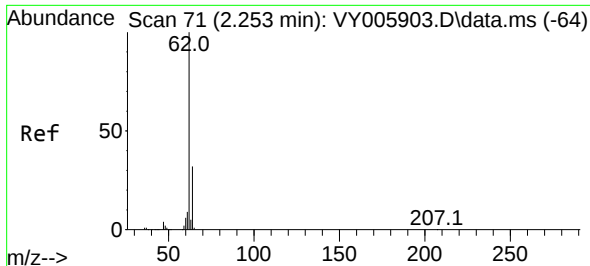
Tgt Ion:168 Resp: 8232
Ion Ratio Lower Upper
168 100
99 43.7 40.6 60.8



#3
Chloromethane
Concen: 1.54 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

Tgt Ion: 50 Resp: 120
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4

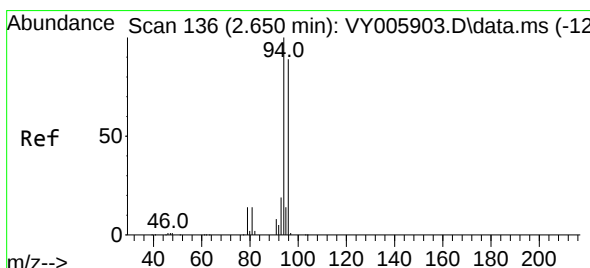
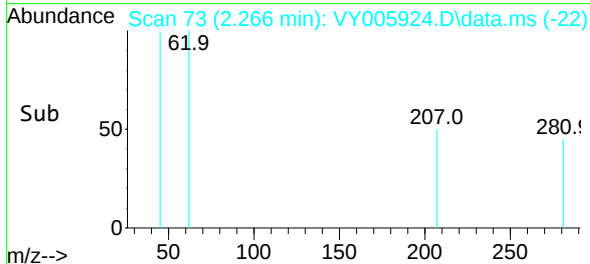
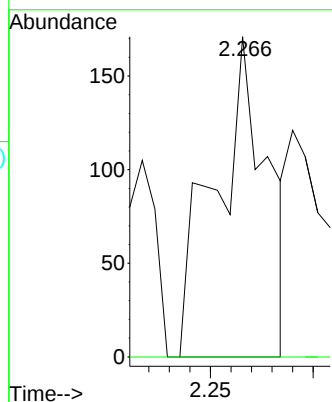
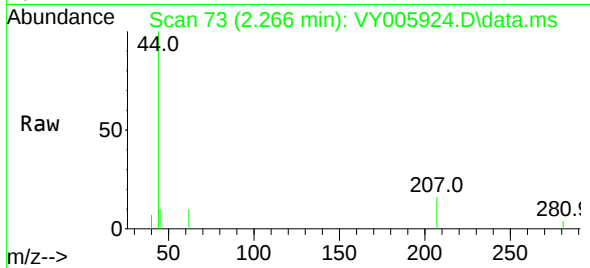




#4
 Vinyl Chloride
 Concen: 2.96 ug/l
 RT: 2.266 min Scan# 73
 Delta R.T. 0.012 min
 Lab File: VY005924.D
 Acq: 01 Sep 2021 12:44

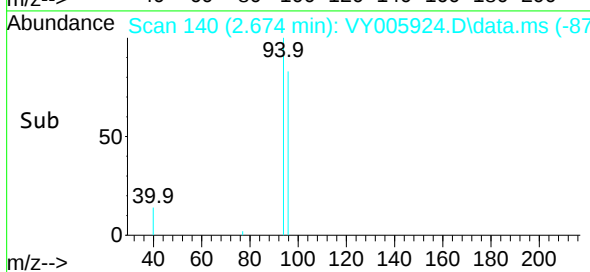
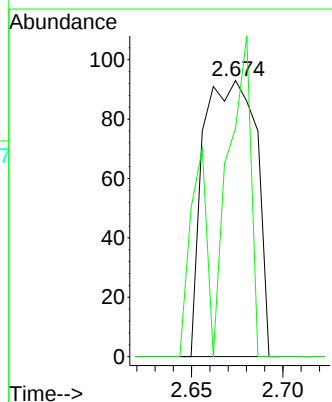
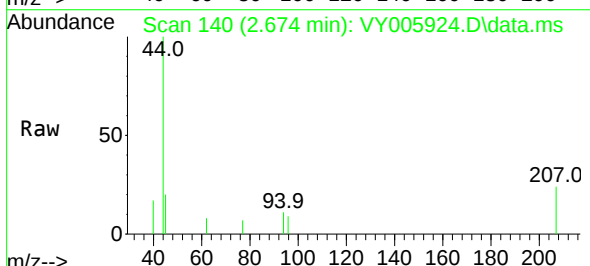
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-083121

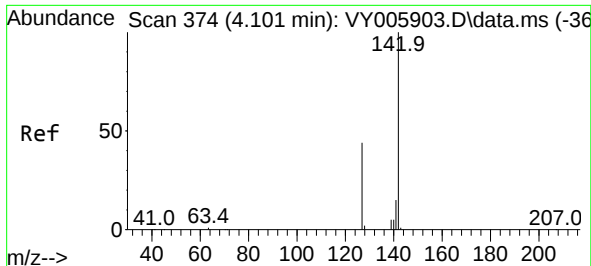
Tgt Ion: 62 Resp: 300
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 2.72 ug/l
 RT: 2.674 min Scan# 140
 Delta R.T. 0.024 min
 Lab File: VY005924.D
 Acq: 01 Sep 2021 12:44

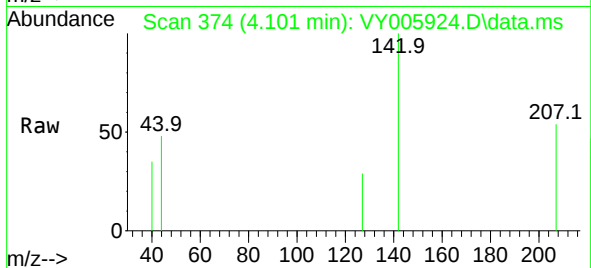
Tgt Ion: 94 Resp: 186
 Ion Ratio Lower Upper
 94 100
 96 82.8 70.8 106.2



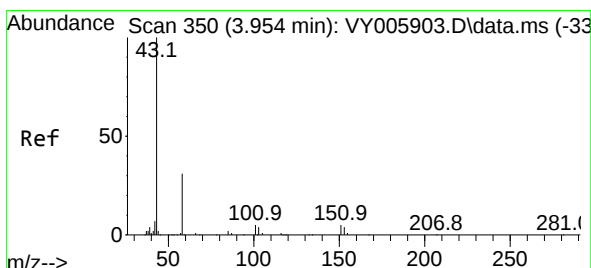
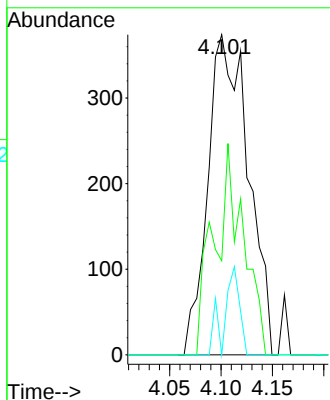
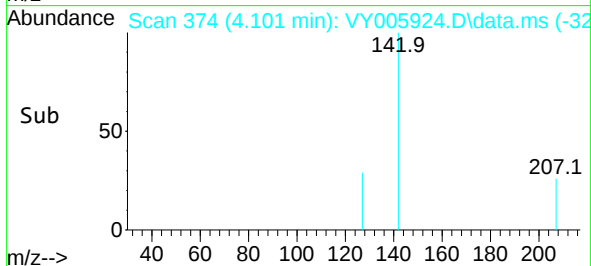


#10
Methyl Iodide
Concen: 11.72 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

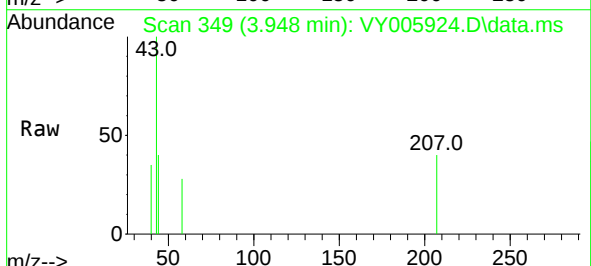
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-083121



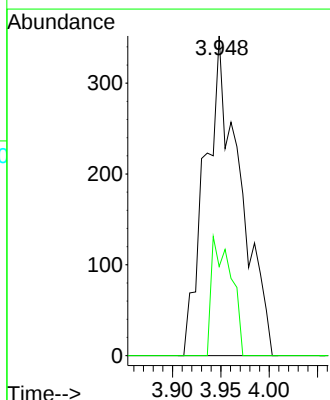
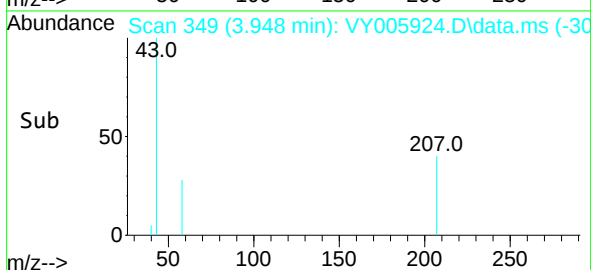
Tgt Ion:142 Resp: 1025
Ion Ratio Lower Upper
142 100
127 47.5 36.7 55.1
141 10.5 11.8 17.8#

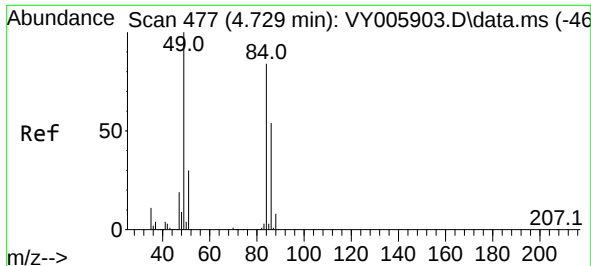


#16
Acetone
Concen: 41.60 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44



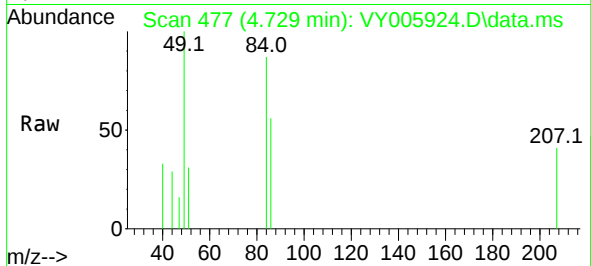
Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
58 27.8 25.1 37.7





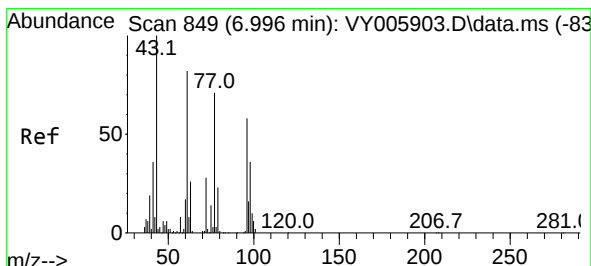
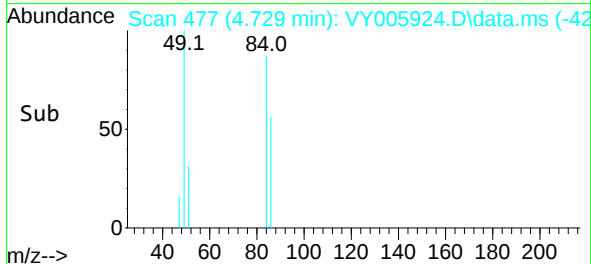
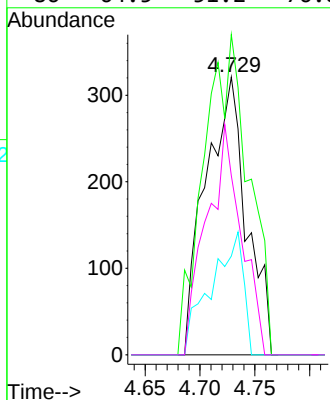
#20
Methylene Chloride
Concen: 5.80 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-083121



Tgt Ion: 84 Resp: 831

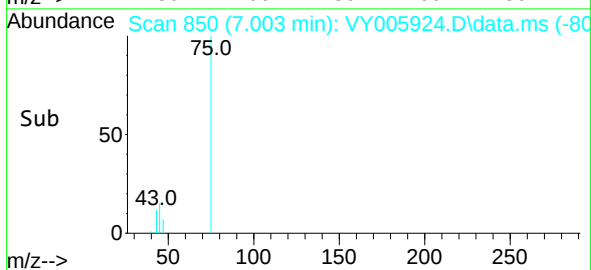
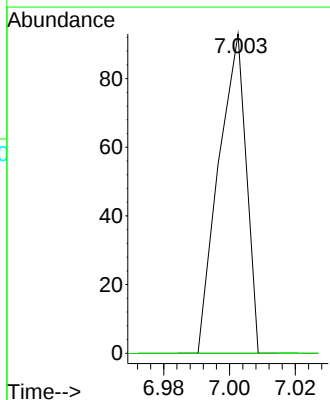
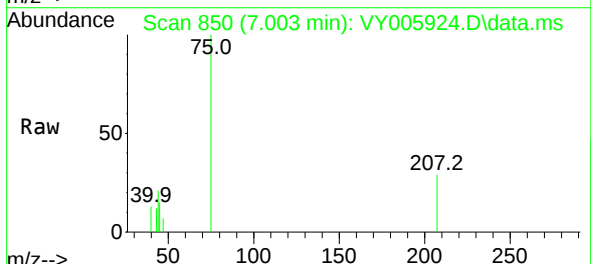
Ion	Ratio	Lower	Upper
84	100		
49	115.3	95.7	143.5
51	35.5	29.0	43.6
86	64.5	51.2	76.8

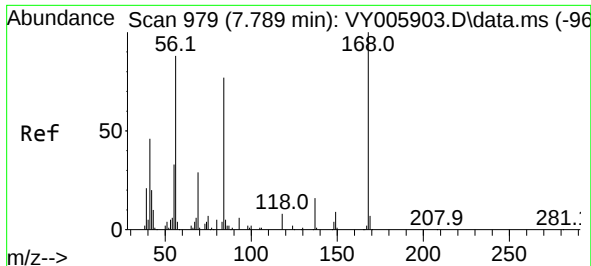


#25
2-Butanone
Concen: 1.81 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

Tgt Ion: 43 Resp: 54

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.3	33.5

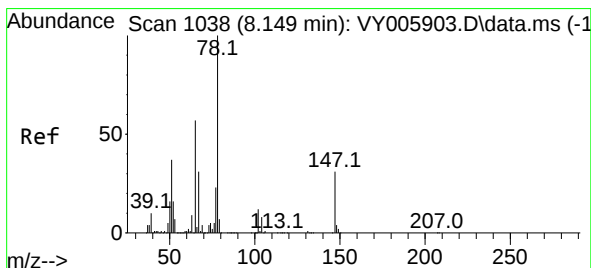
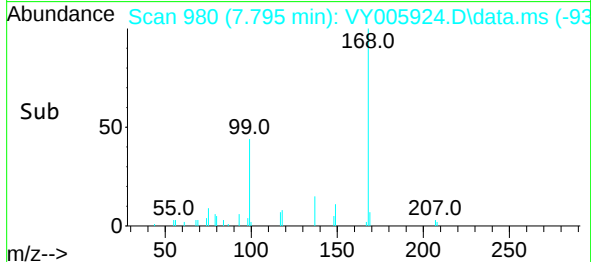
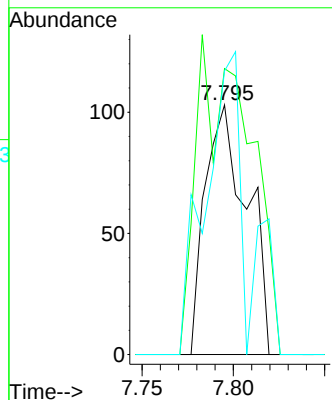
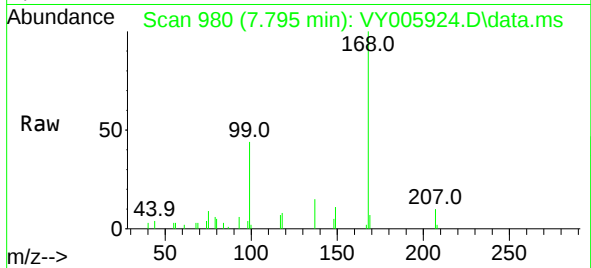




#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

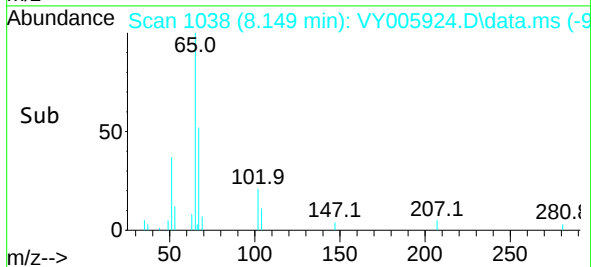
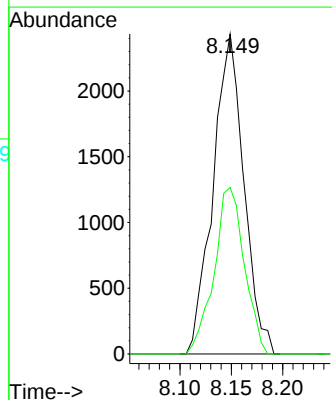
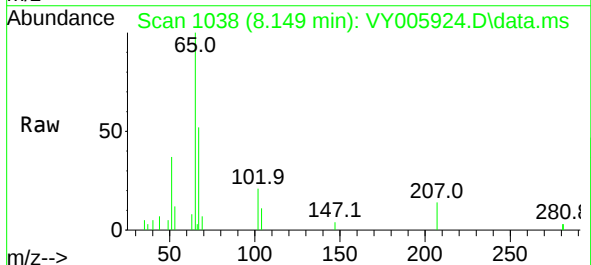
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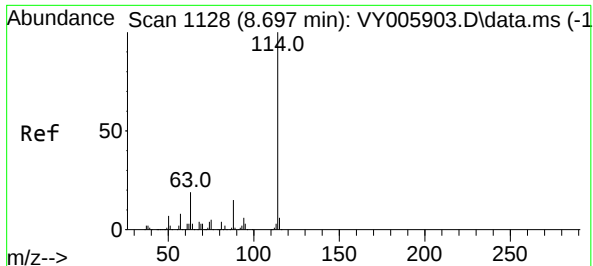
Tgt Ion: 56 Resp: 164
Ion Ratio Lower Upper
56 100
69 114.6 26.3 39.5#
84 113.6 69.8 104.8#



#33
1,2-Dichloroethane-d4
Concen: 61.15 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

Tgt Ion: 65 Resp: 5073
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

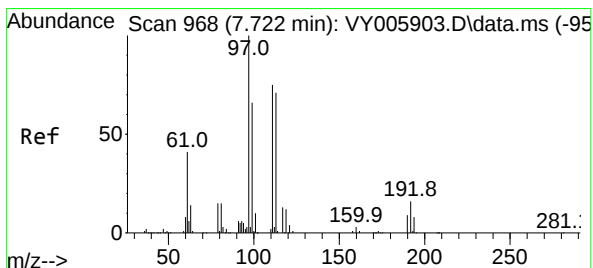
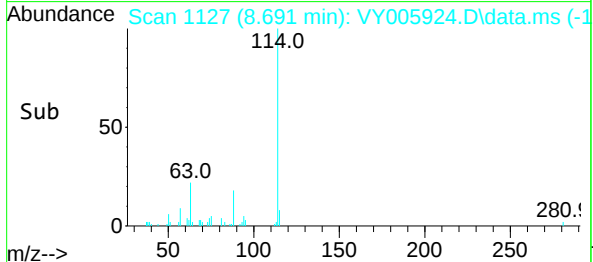
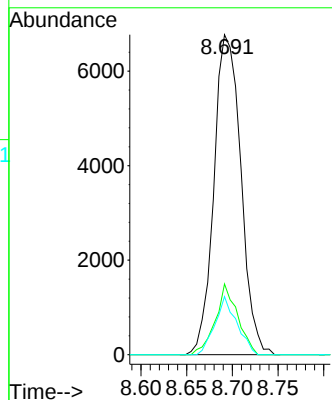
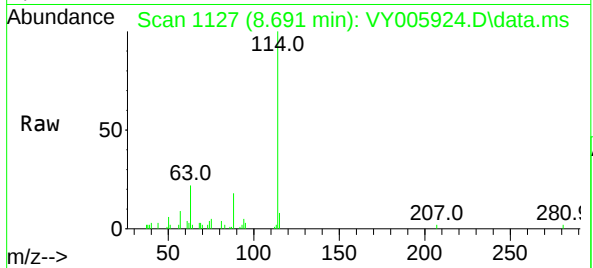




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

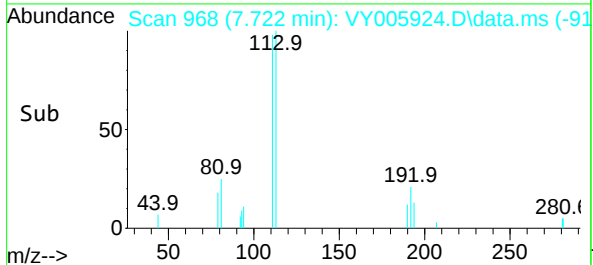
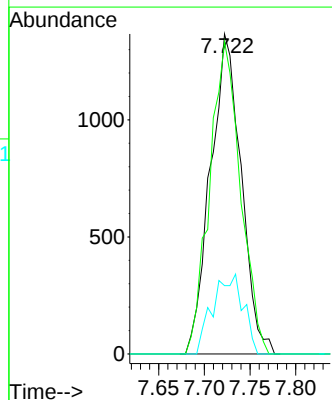
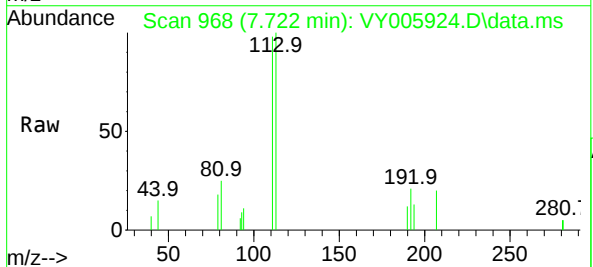
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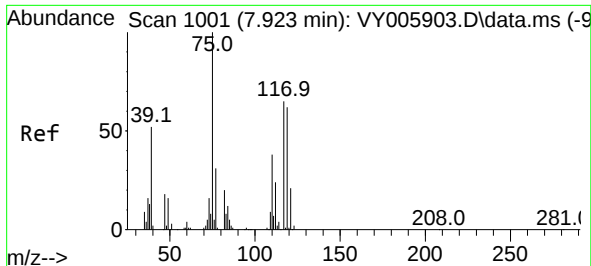
Tgt Ion:	114	Resp:	13882
Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	38.4
88	18.2	0.0	30.0



#35
Dibromofluoromethane
Concen: 41.02 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

Tgt Ion:	113	Resp:	3198
Ion	Ratio	Lower	Upper
113	100		
111	98.0	81.9	122.9
192	24.7	19.4	29.0

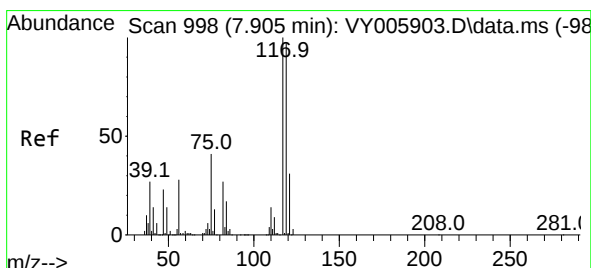
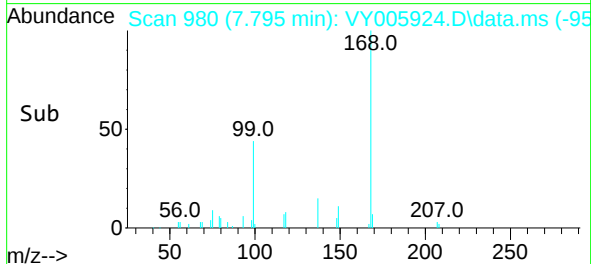
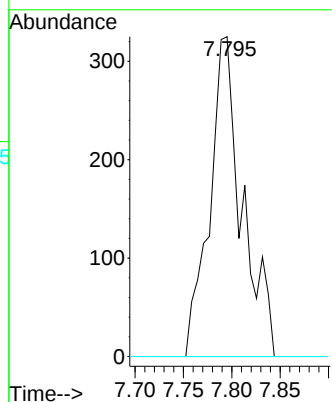
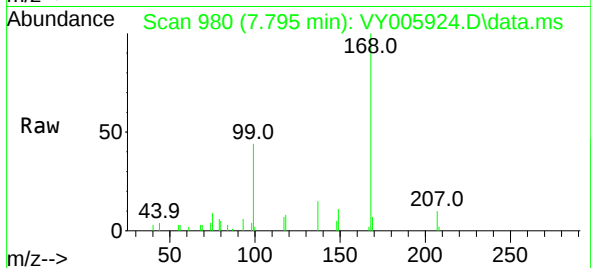




#36
1,1-Dichloropropene
Concen: 5.80 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

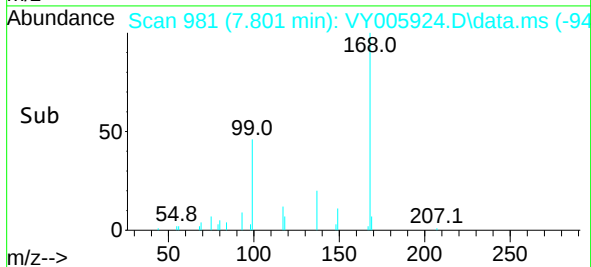
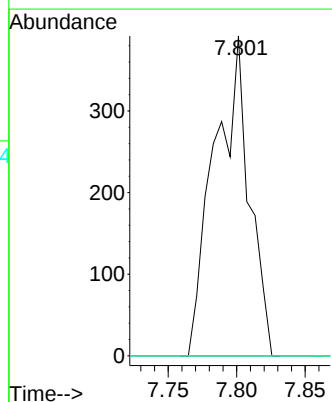
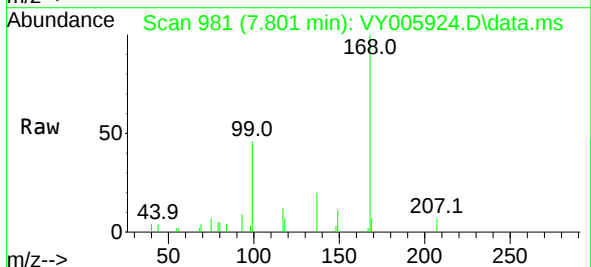
Instrument :
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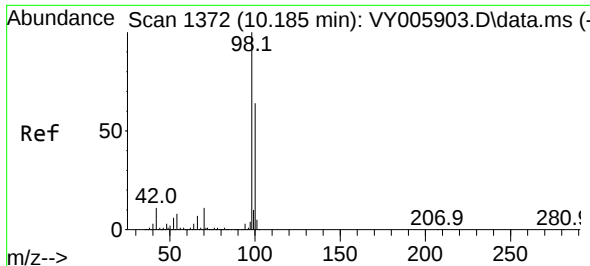
Tgt Ion: 75 Resp: 758
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.3#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.89 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

Tgt Ion: 117 Resp: 693
Ion Ratio Lower Upper
117 100
119 0.0 77.5 116.3#
121 0.0 25.0 37.6#

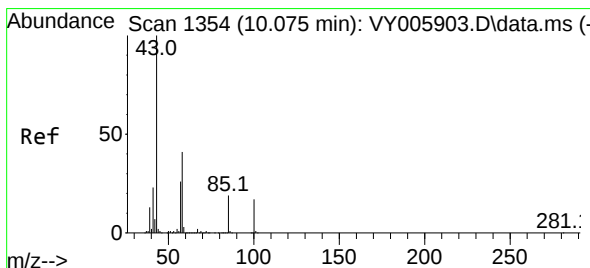
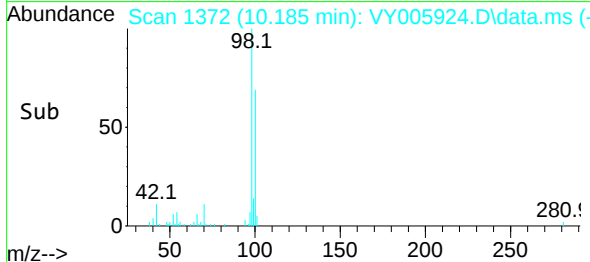
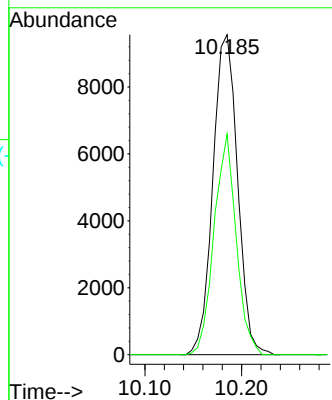
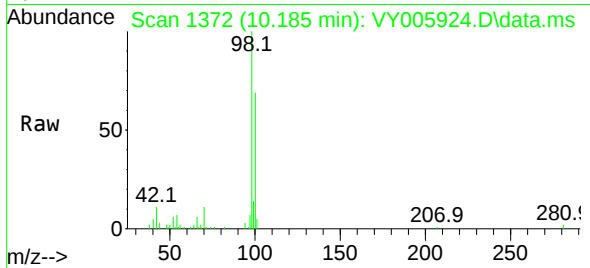




#50
Toluene-d8
Concen: 51.78 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

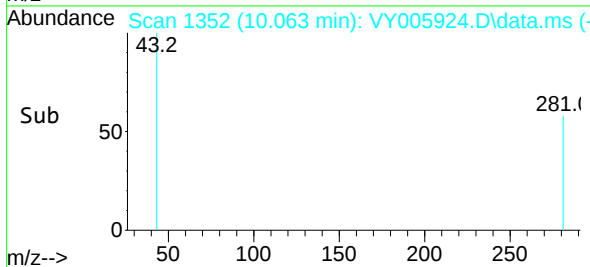
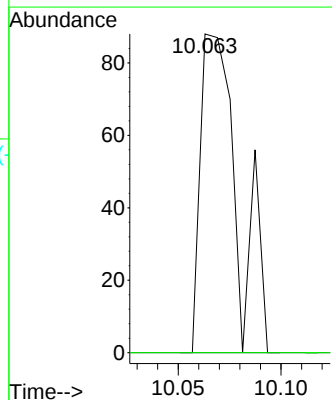
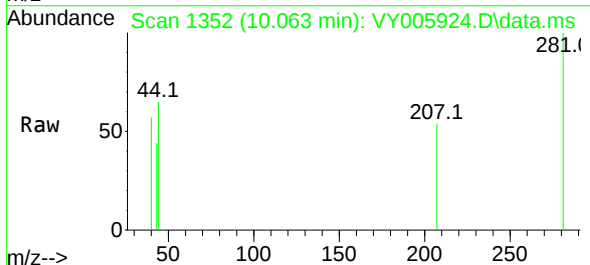
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-083121

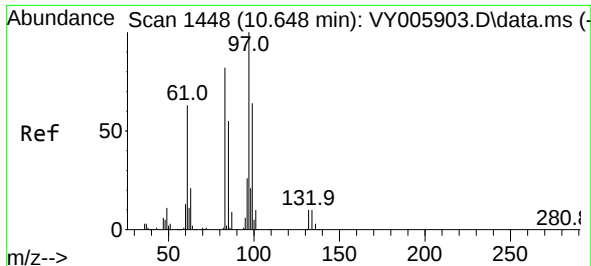
Tgt Ion: 98 Resp: 16942
Ion Ratio Lower Upper
98 100
100 62.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.44 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.012 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

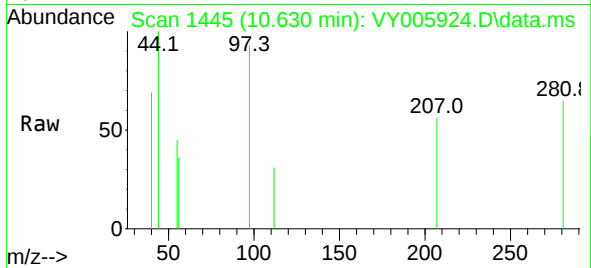
Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#





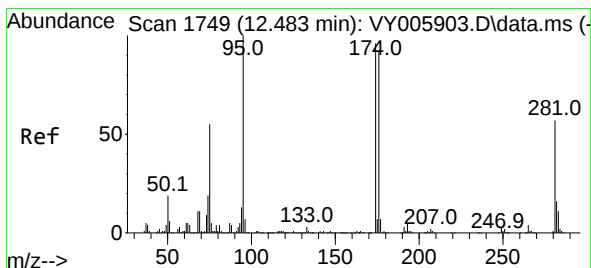
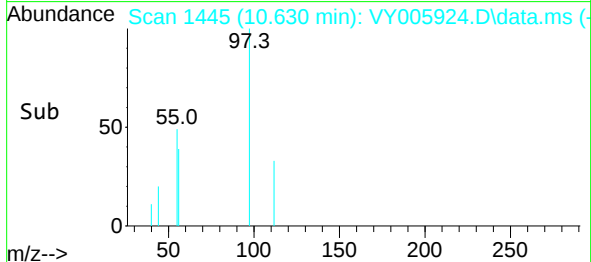
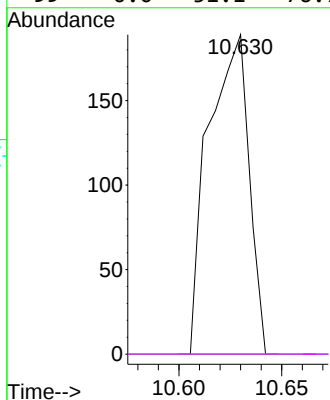
#55
1,1,2-Trichloroethane
Concen: 3.45 ug/l
RT: 10.630 min Scan# 1445
Delta R.T. -0.018 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-083121



Tgt Ion: 97 Resp: 258

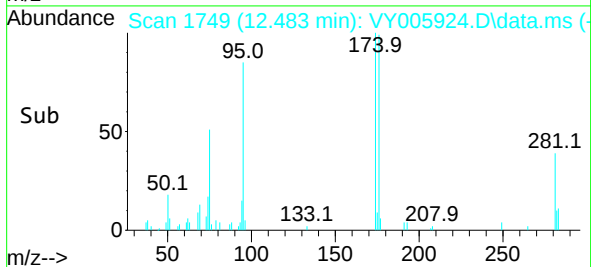
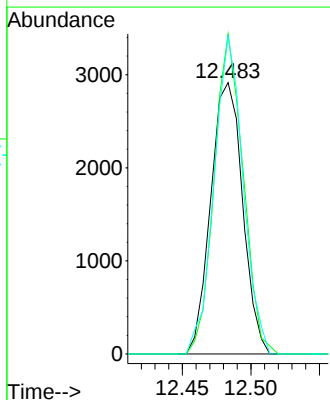
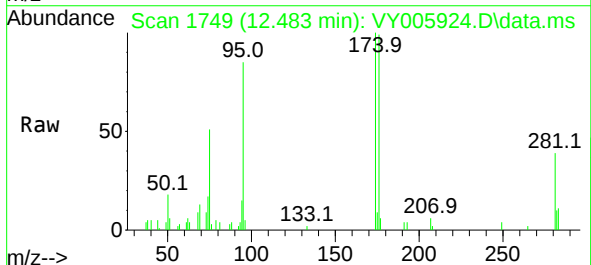
Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.9	98.9#
85	0.0	44.2	66.4#
99	0.0	51.1	76.7#

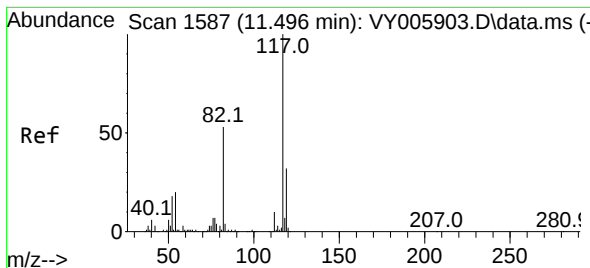


#62
4-Bromofluorobenzene
Concen: 42.90 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

Tgt Ion: 95 Resp: 4713

Ion	Ratio	Lower	Upper
95	100		
174	106.9	0.0	192.4
176	106.6	0.0	186.8

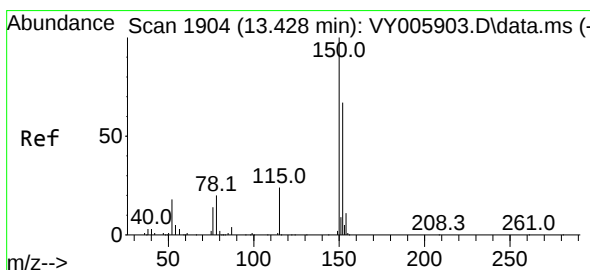
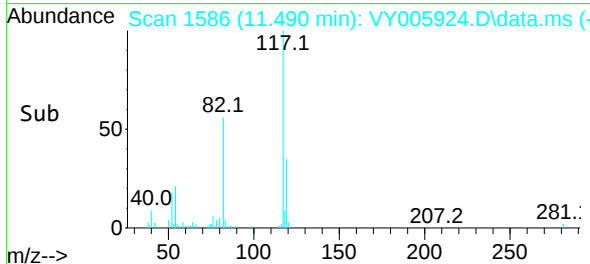
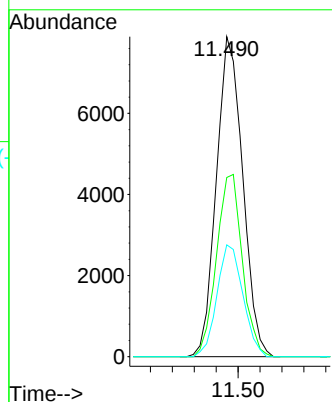
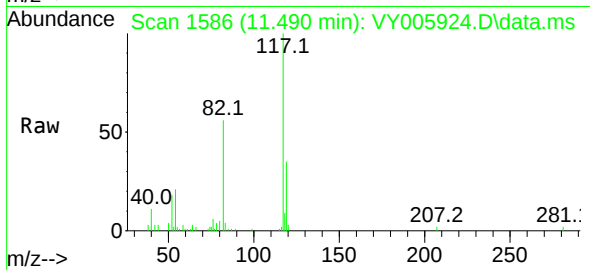




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

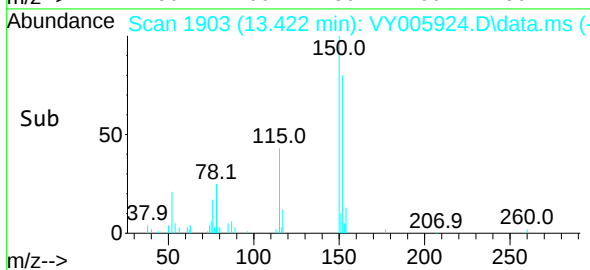
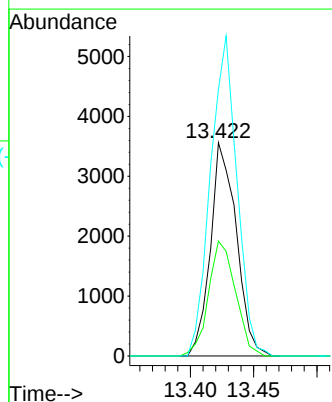
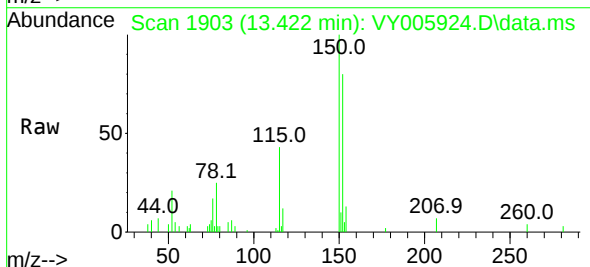
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-083121

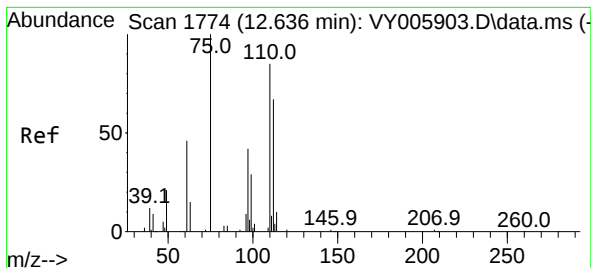
Tgt Ion:	117	Resp:	13157
Ion	Ratio	Lower	Upper
117	100		
82	56.0	42.4	63.6
119	34.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

Tgt Ion:	152	Resp:	5076
Ion	Ratio	Lower	Upper
152	100		
115	56.1	26.8	80.4
150	153.3	0.0	345.6

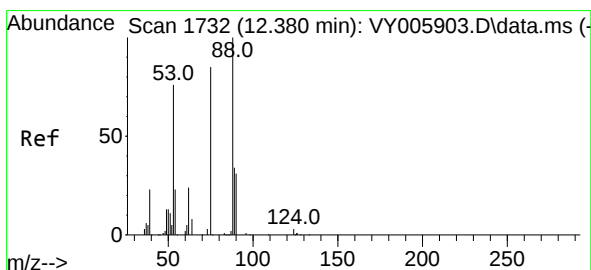
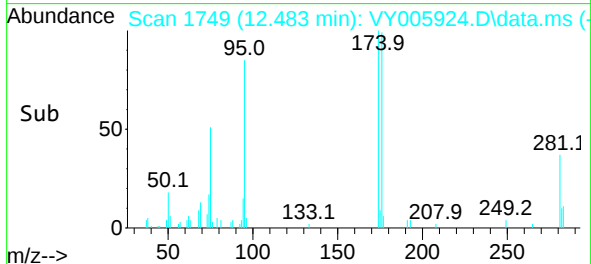
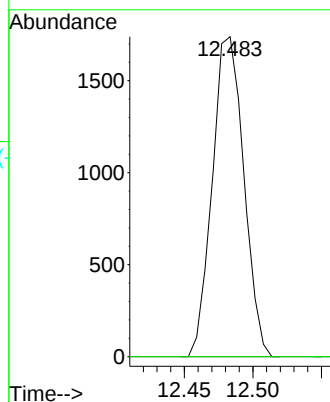
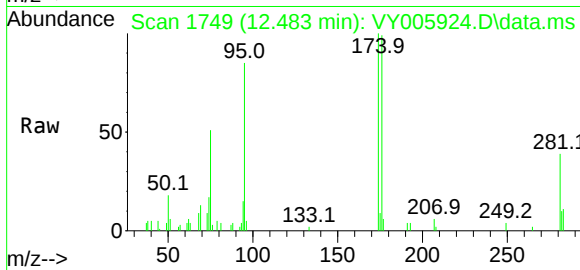




#76
1,2,3-Trichloropropane
Concen: 58.56 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

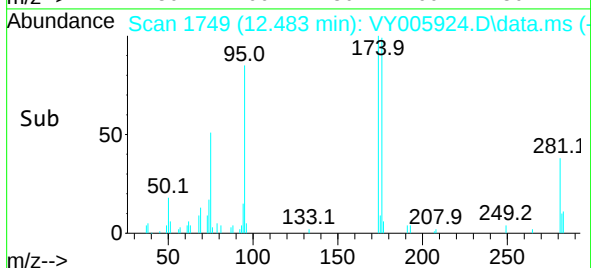
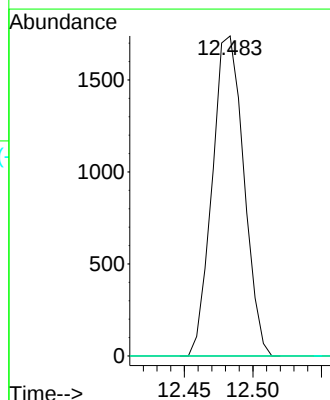
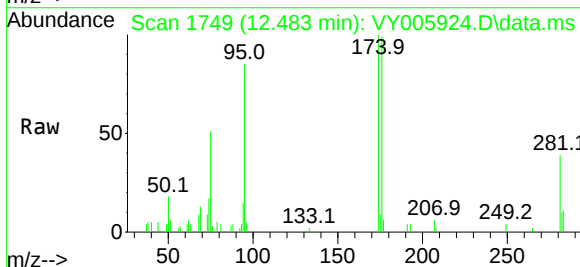
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-083121

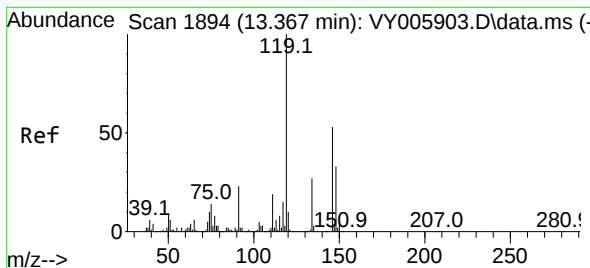
Tgt Ion: 75 Resp: 2782
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 111.36 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

Tgt Ion: 75 Resp: 2782
Ion Ratio Lower Upper
75 100
53 0.0 71.8 107.8#
89 0.0 35.8 53.6#





#87

1,3-Dichlorobenzene

Concen: 1.06 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY005924.D

Acq: 01 Sep 2021 12:44

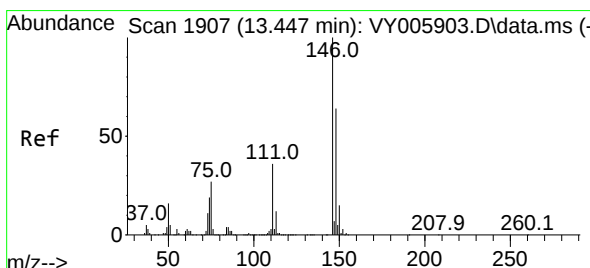
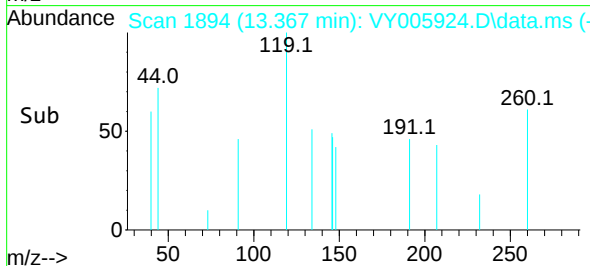
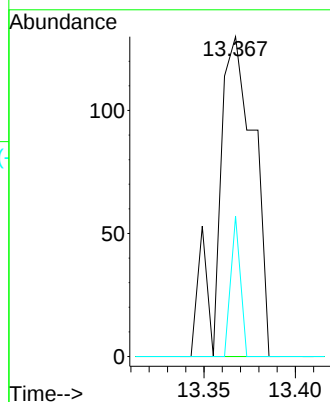
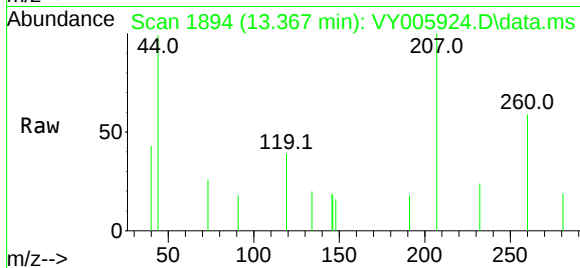
Tgt Ion:146 Resp: 176

Ion Ratio Lower Upper

146 100

111 0.0 18.6 55.6#

148 11.9 31.9 95.7#



#88

1,4-Dichlorobenzene

Concen: 1.39 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY005924.D

Acq: 01 Sep 2021 12:44

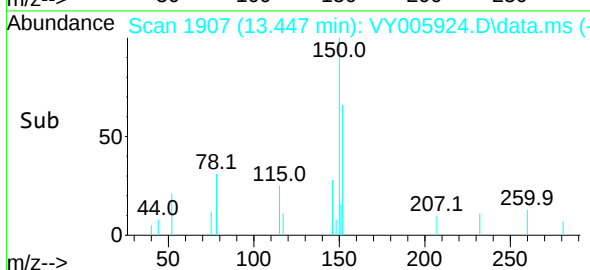
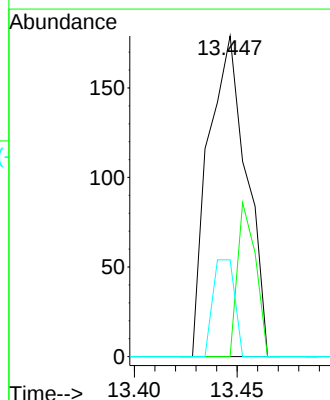
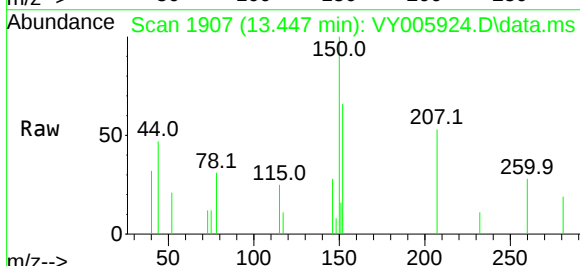
Tgt Ion:146 Resp: 231

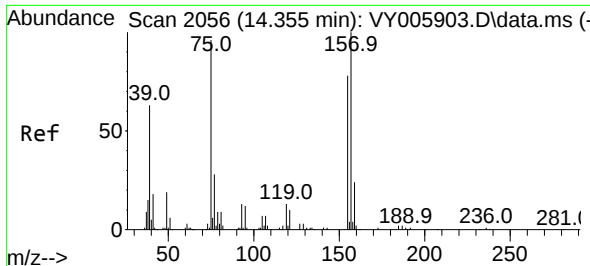
Ion Ratio Lower Upper

146 100

111 22.9 18.1 54.3

148 17.3 32.1 96.5#

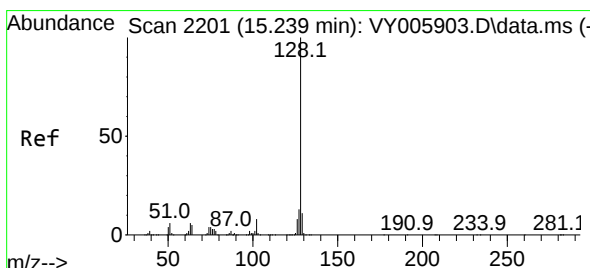
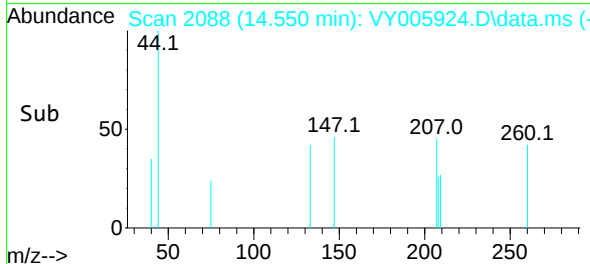
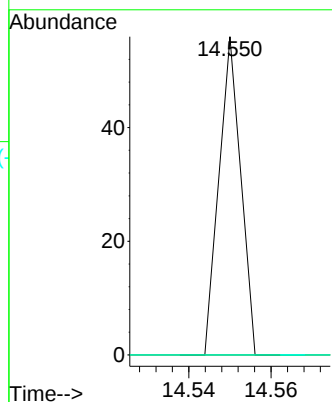
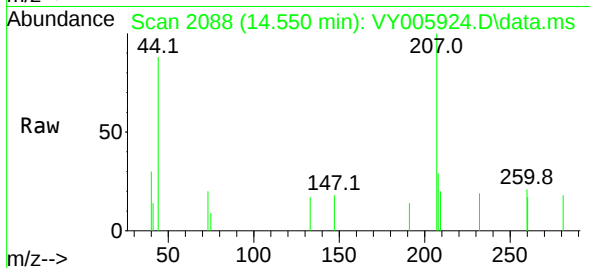




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.66 ug/l
RT: 14.550 min Scan# 2088
Delta R.T. 0.195 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

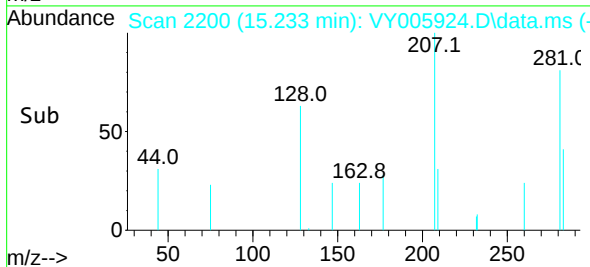
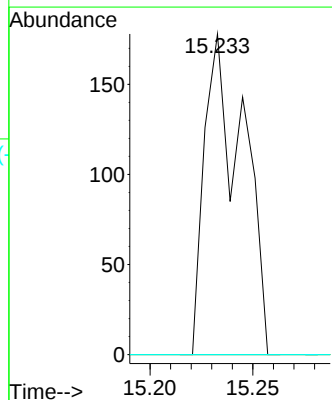
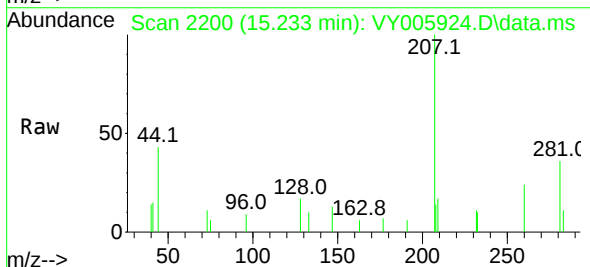
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-083121

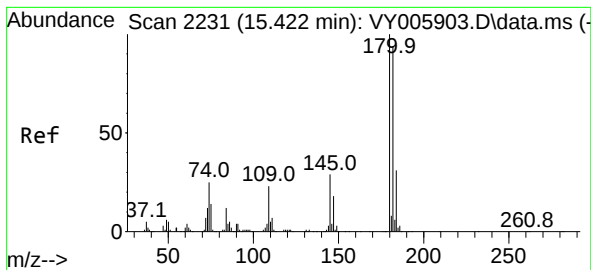
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 43.1 129.3#
157 0.0 54.4 163.3#



#95
Naphthalene
Concen: 1.21 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY005924.D
Acq: 01 Sep 2021 12:44

Tgt Ion: 128 Resp: 230
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.60 ug/l
 RT: 15.422 min Scan# 2231
 Delta R.T. 0.000 min
 Lab File: VY005924.D
 Acq: 01 Sep 2021 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-083121

Tgt Ion:	180	Resp:	139
Ion	Ratio	Lower	Upper
180	100		
182	81.3	47.8	143.3
145	0.0	14.2	42.8#

