

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021822\
 Data File : VY007545.D
 Acq On : 18 Feb 2022 15:17
 Operator : SY/MD
 Sample : N1580-04RE
 Misc : 5.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-4

Quant Time: Feb 19 04:33:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

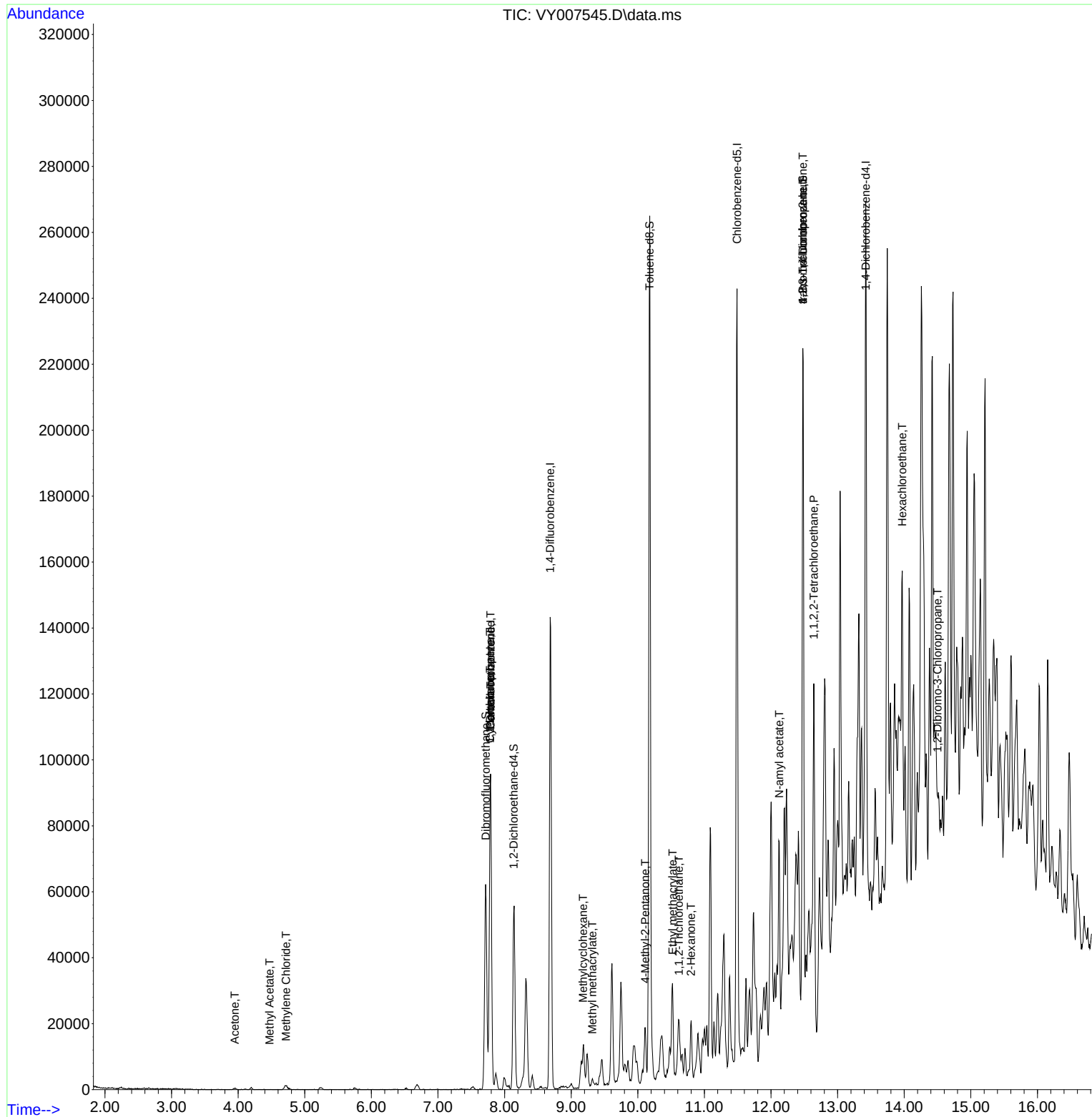
Internal Standards						
1) Pentafluorobenzene	7.789	168	72258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	126556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	127564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	44323	55.559	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.120%
35) Dibromofluoromethane	7.716	113	41265	51.704	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.400%
50) Toluene-d8	10.179	98	155747	51.380	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.760%
62) 4-Bromofluorobenzene	12.477	95	57850	56.284	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	112.560%
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	250	Below Cal		99
5) Bromomethane	2.662	94	155	Below Cal		98
16) Acetone	3.948	43	703	3.321	ug/l	100
18) Methyl Acetate	4.472	43	19	1.422	ug/l #	56
20) Methylene Chloride	4.716	84	885	1.020	ug/l #	53
31) Cyclohexane	7.783	56	1978	1.402	ug/l #	31
36) 1,1-Dichloropropene	7.783	75	5383	4.163	ug/l #	51
38) Carbon Tetrachloride	7.789	117	7752	5.276	ug/l #	16
39) Methylcyclohexane	9.179	83	4494	2.677	ug/l #	84
48) Methyl methacrylate	9.319	41	800	1.521	ug/l #	34
51) 4-Methyl-2-Pentanone	10.112	43	2550	4.327	ug/l #	67
55) 1,1,2-Trichloroethane	10.618	97	6919	9.938	ug/l #	22
56) Ethyl methacrylate	10.526	69	2819	3.011	ug/l #	38
59) 2-Hexanone	10.800	43	6216	14.611	ug/l #	35
74) N-amyl acetate	12.123	43	11221	10.138	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	12.642	83	7807	9.323	ug/l #	45
76) 1,2,3-Trichloropropane	12.477	75	30474	47.792	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	30474	99.332	ug/l #	9
90) Hexachloroethane	13.971	117	2626	3.198	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.501	75	273	1.920	ug/l	76

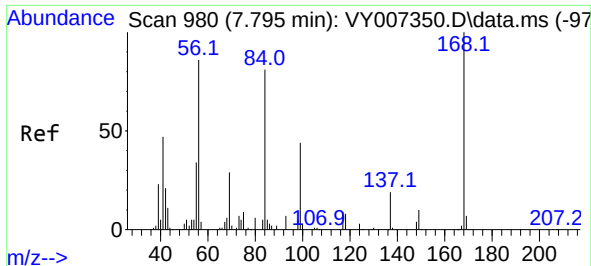
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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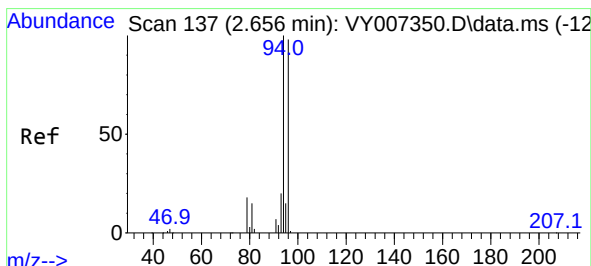
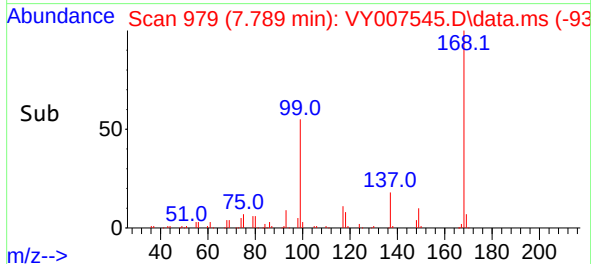
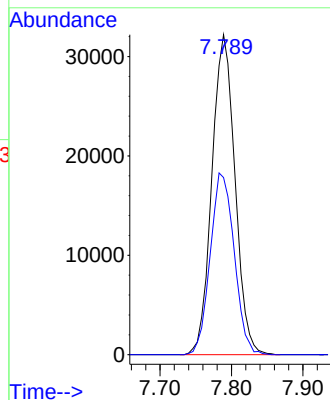
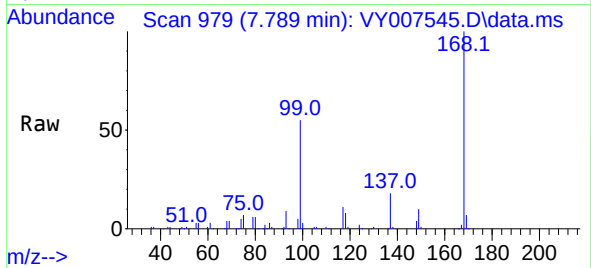




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

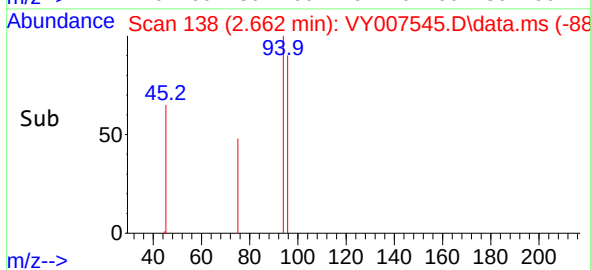
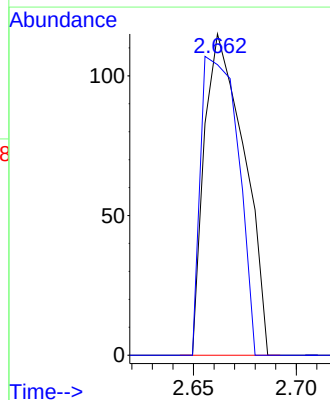
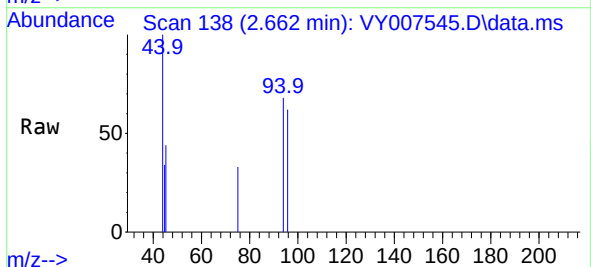
Instrument :
MSVOA_Y
ClientSampleId :
D-4

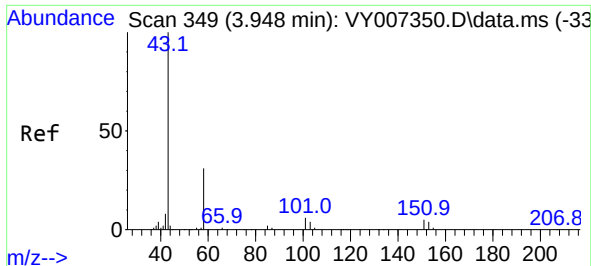
Tgt Ion:168 Resp: 72258
Ion Ratio Lower Upper
168 100
99 55.3 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion: 94 Resp: 155
Ion Ratio Lower Upper
94 100
96 90.4 73.5 110.3

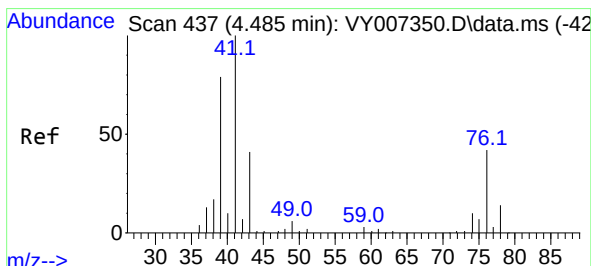
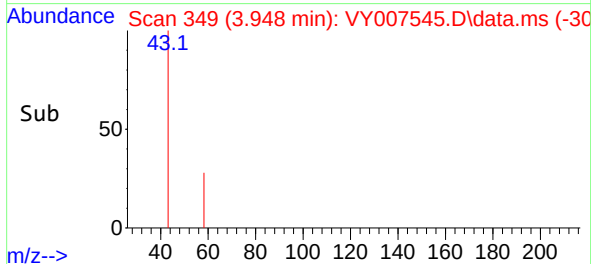
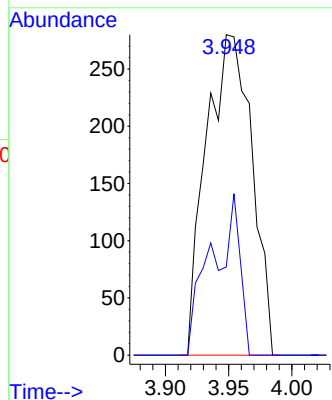
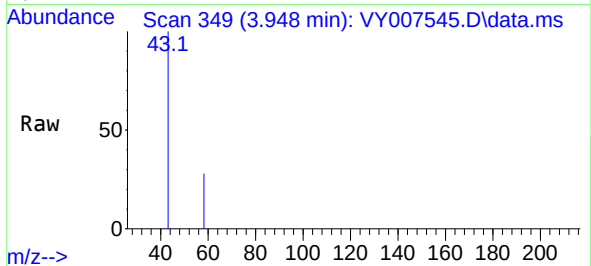




#16
Acetone
Concen: 3.321 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

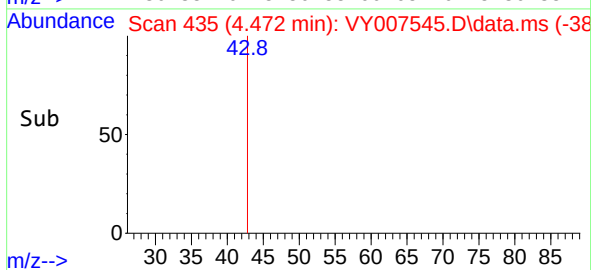
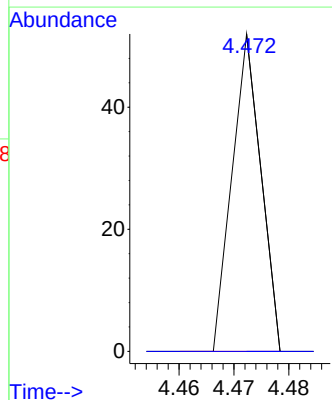
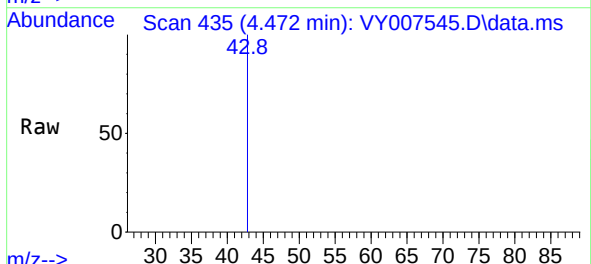
Instrument :
MSVOA_Y
ClientSampleId :
D-4

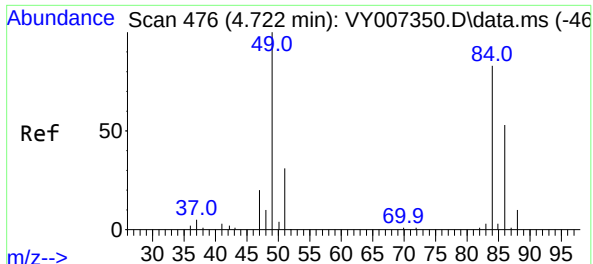
Tgt Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
58 27.5 22.0 33.0



#18
Methyl Acetate
Concen: 1.422 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.013 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



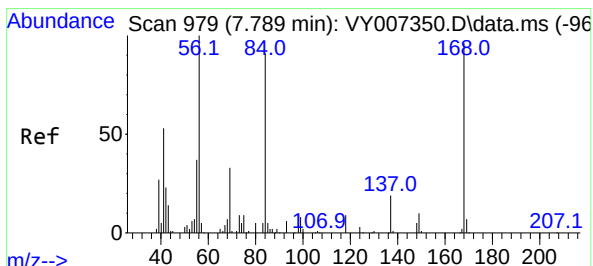
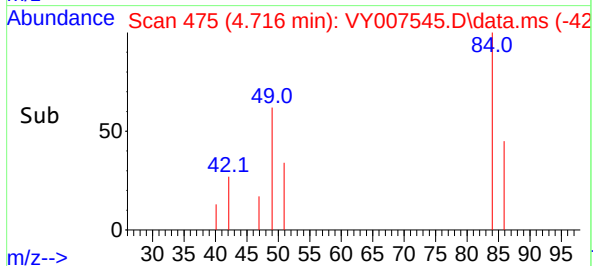
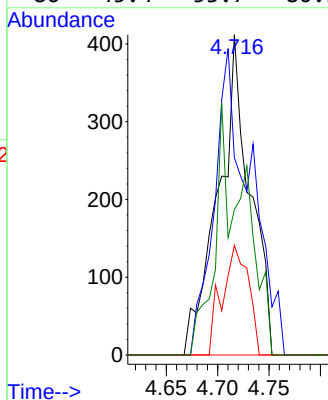
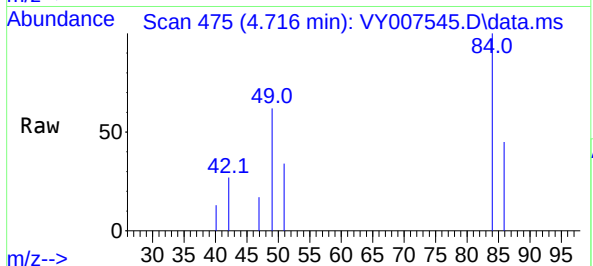


#20
Methylene Chloride
Concen: 1.020 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Instrument :
MSVOA_Y
ClientSampleId :
D-4

Tgt Ion: 84 Resp: 885

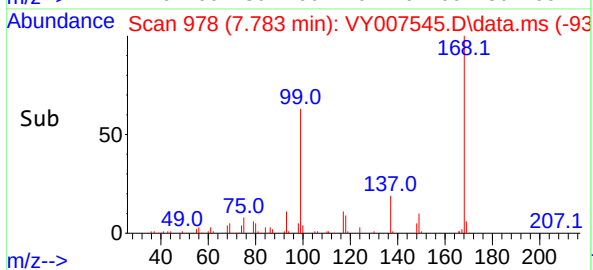
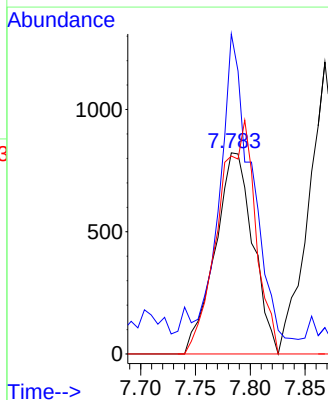
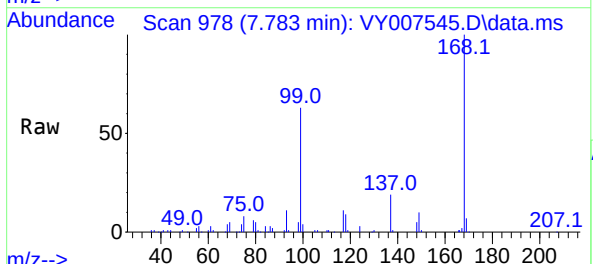
Ion	Ratio	Lower	Upper
84	100		
49	61.7	114.4	171.6#
51	34.2	35.3	52.9#
86	45.4	53.7	80.5#

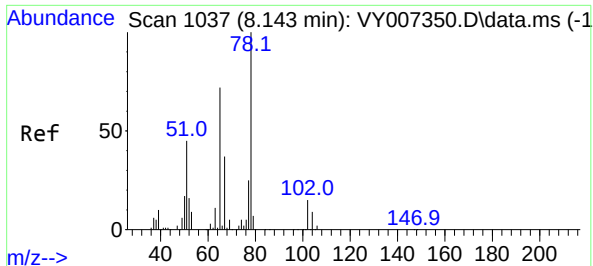


#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion: 56 Resp: 1978

Ion	Ratio	Lower	Upper
56	100		
69	147.8	26.7	40.1#
84	98.4	67.2	100.8

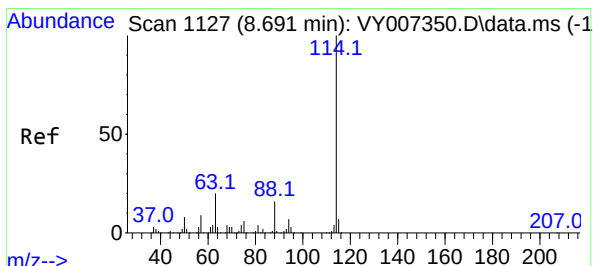
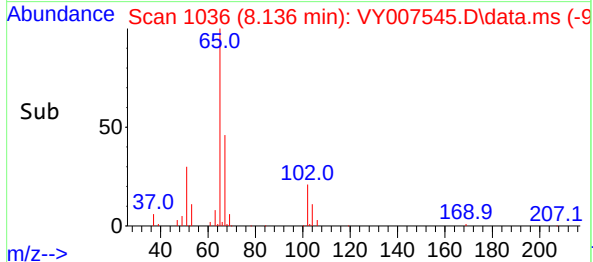
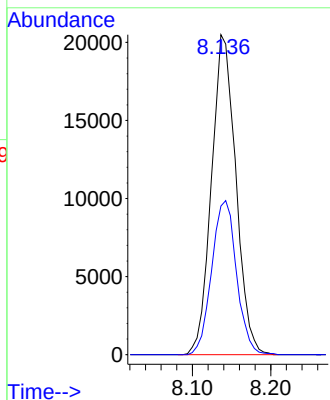
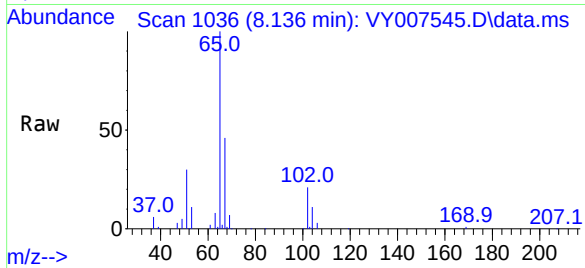




#33
1,2-Dichloroethane-d4
Concen: 55.559 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

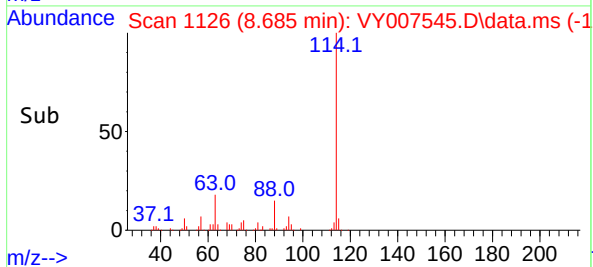
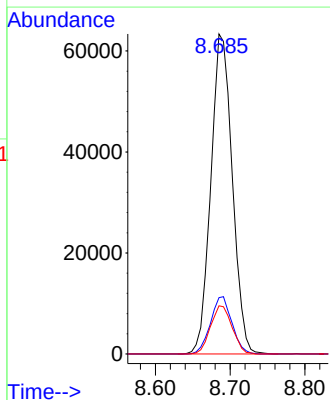
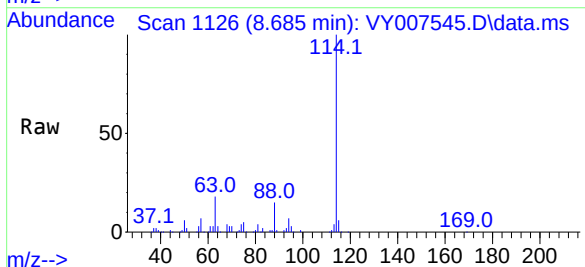
Instrument :
MSVOA_Y
ClientSampleId :
D-4

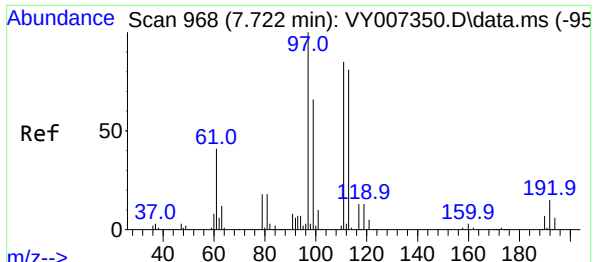
Tgt Ion: 65 Resp: 44323
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion: 114 Resp: 126556
Ion Ratio Lower Upper
114 100
63 17.6 0.0 43.2
88 15.0 0.0 31.8

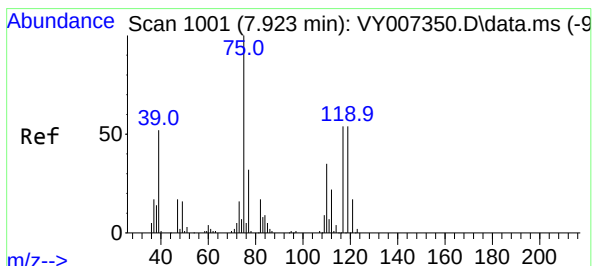
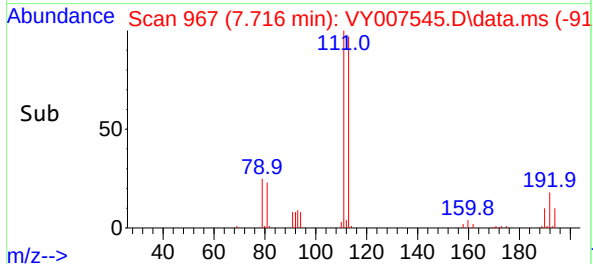
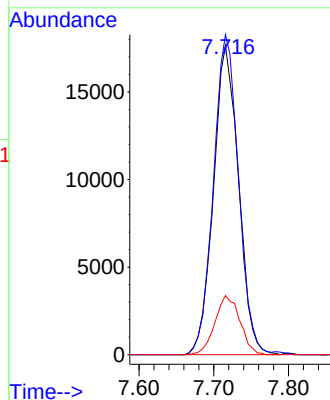
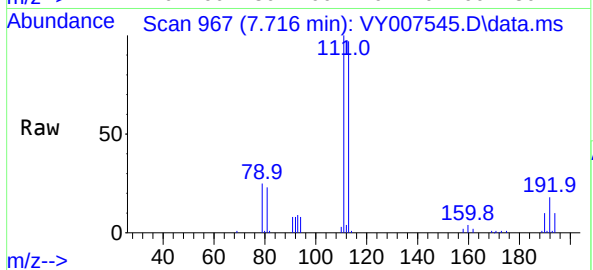




#35
Dibromofluoromethane
Concen: 51.704 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

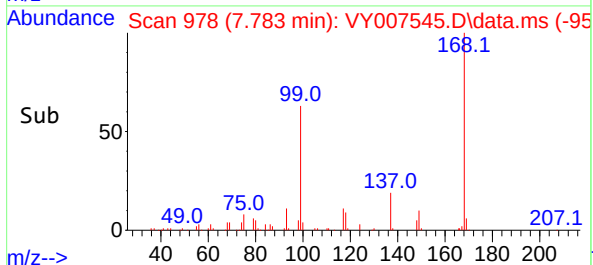
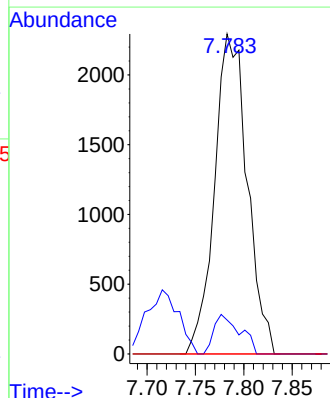
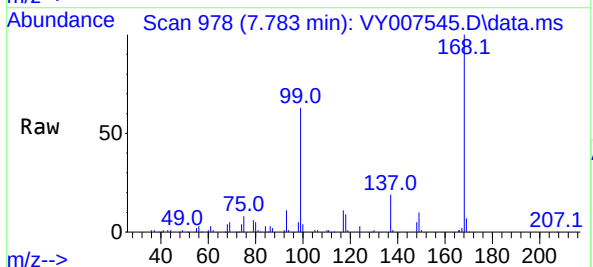
Instrument :
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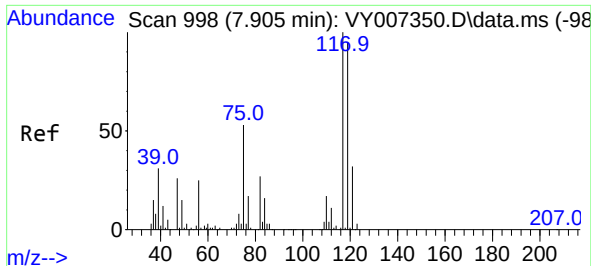
Tgt Ion:	113	Resp:	41265
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	124.0
192	19.0	17.6	26.4



#36
1,1-Dichloropropene
Concen: 4.163 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion:	75	Resp:	5383
Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.1	51.2#
77	0.0	24.4	36.6#

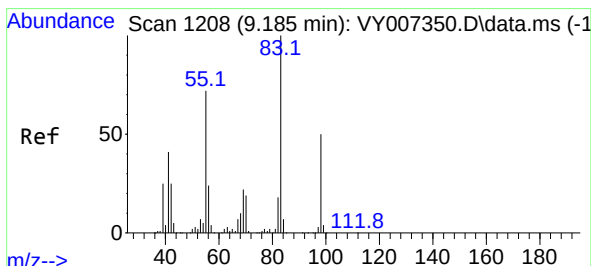
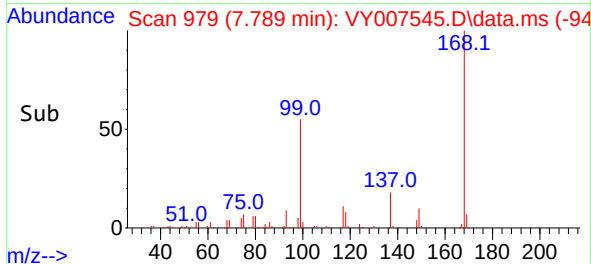
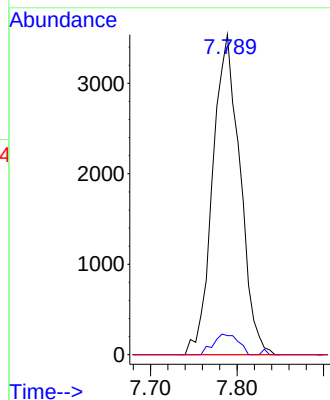
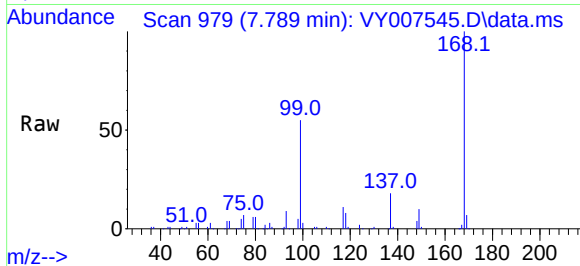




#38
Carbon Tetrachloride
Concen: 5.276 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

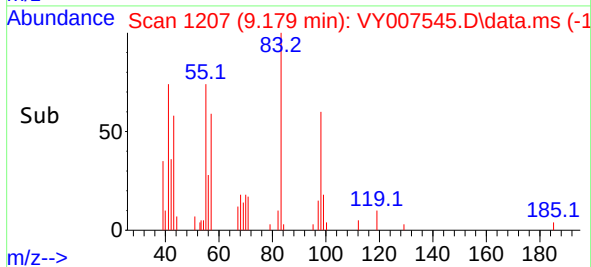
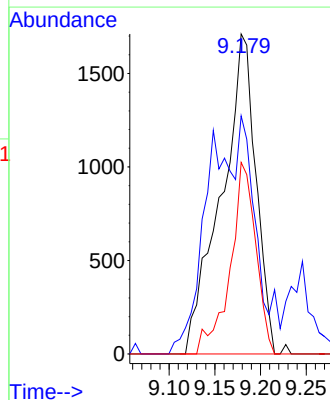
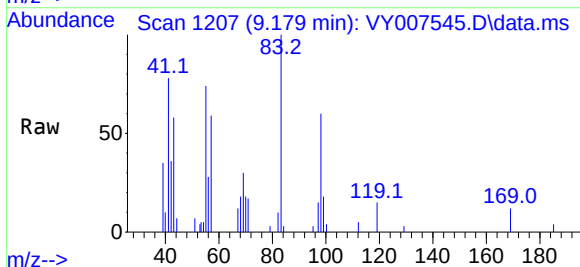
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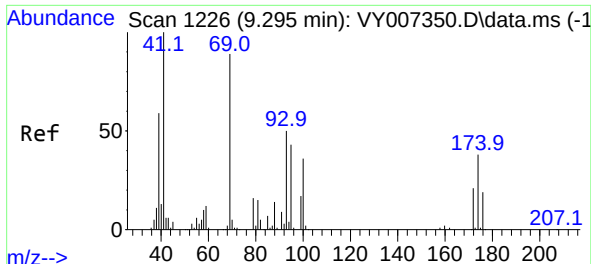
Tgt Ion:117 Resp: 7752
Ion Ratio Lower Upper
117 100
119 5.9 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 2.677 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion: 83 Resp: 4494
Ion Ratio Lower Upper
83 100
55 69.8 66.5 99.7
98 59.8 37.9 56.9#

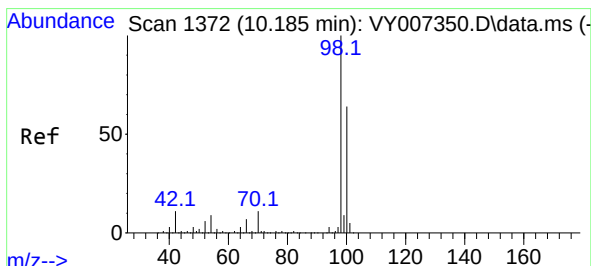
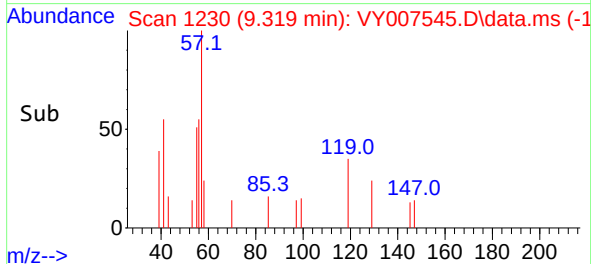
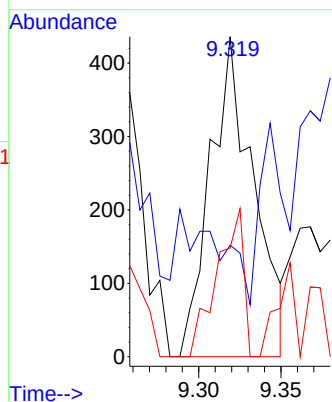
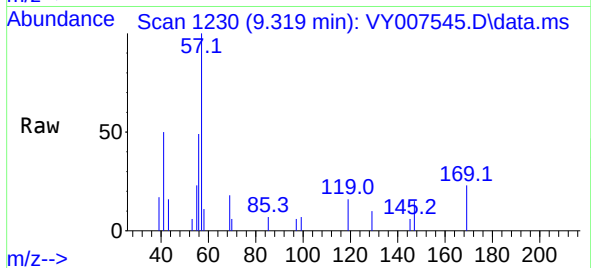




#48
Methyl methacrylate
Concen: 1.521 ug/l
RT: 9.319 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

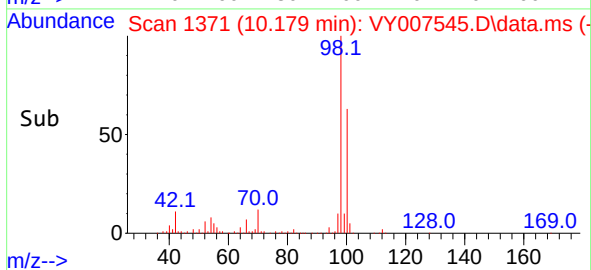
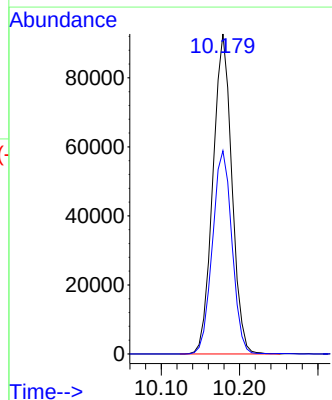
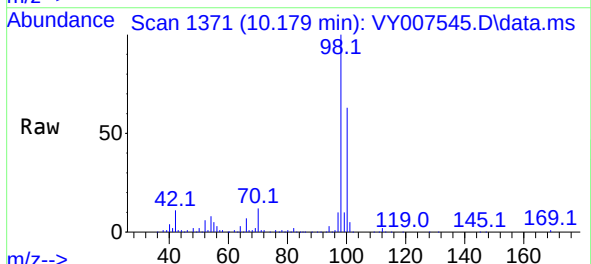
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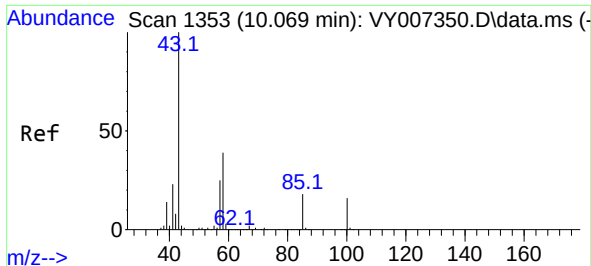
Tgt Ion: 41 Resp: 800
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 28.2 47.4 71.0#



#50
Toluene-d8
Concen: 51.380 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion: 98 Resp: 155747
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

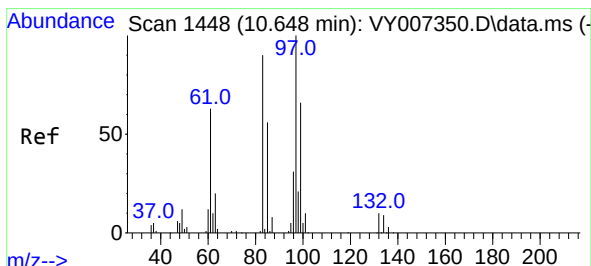
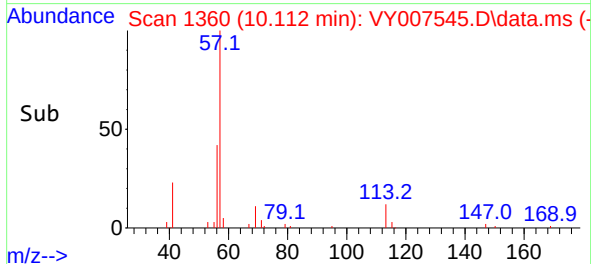
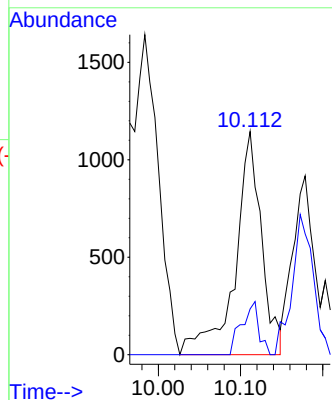
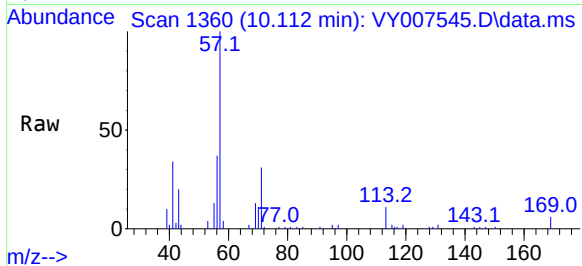




#51
4-Methyl-2-Pentanone
Concen: 4.327 ug/l
RT: 10.112 min Scan# 11
Delta R.T. 0.043 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

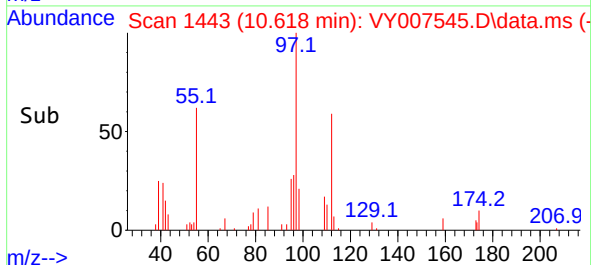
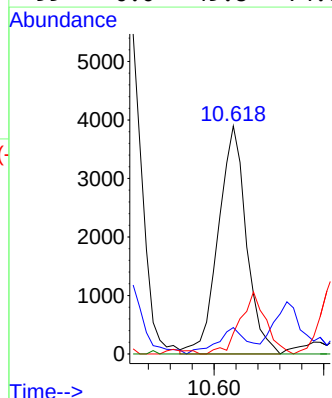
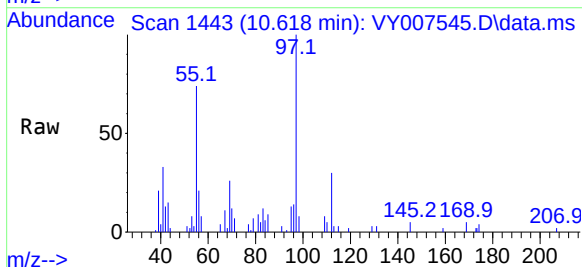
Instrument :
MSVOA_Y
ClientSampleId :
D-4

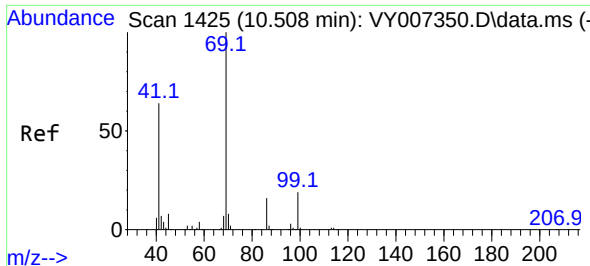
Tgt Ion: 43 Resp: 2550
Ion Ratio Lower Upper
43 100
58 15.6 28.1 42.1#



#55
1,1,2-Trichloroethane
Concen: 9.938 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion: 97 Resp: 6919
Ion Ratio Lower Upper
97 100
83 9.9 69.8 104.8#
85 7.8 44.3 66.5#
99 0.0 49.8 74.6#

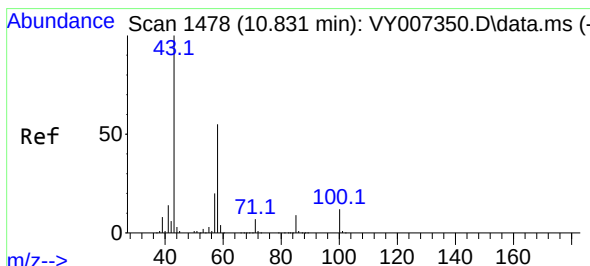
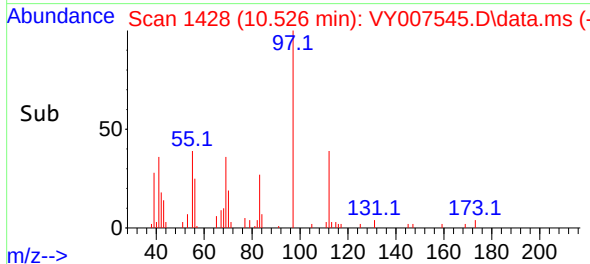
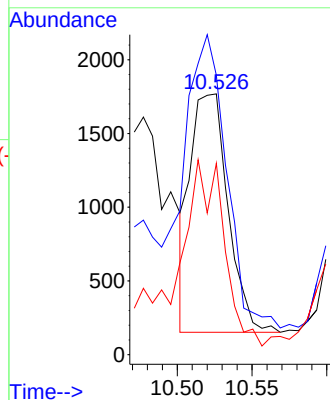
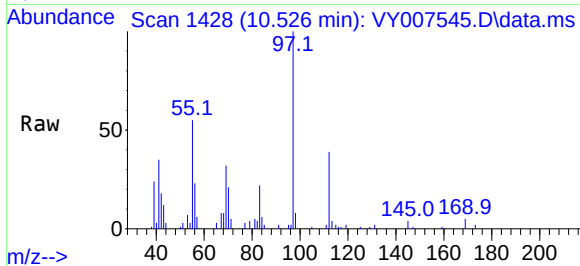




#56
Ethyl methacrylate
Concen: 3.011 ug/l
RT: 10.526 min Scan# 1425
Delta R.T. 0.018 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

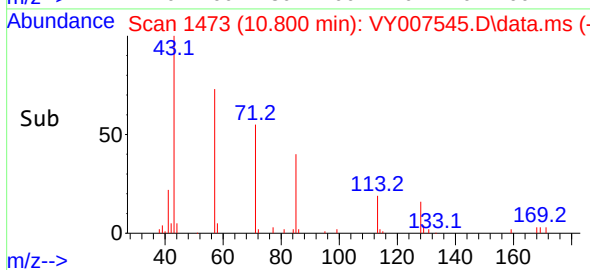
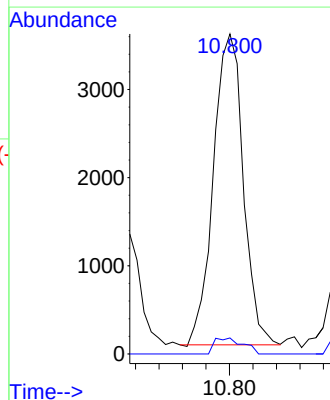
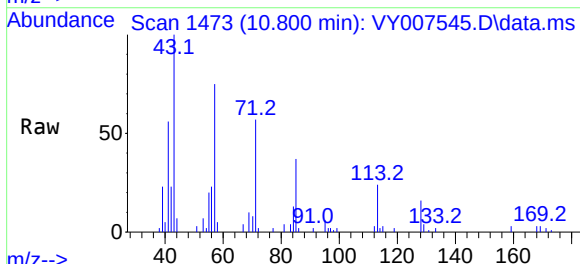
Instrument :
MSVOA_Y
ClientSampleId :
D-4

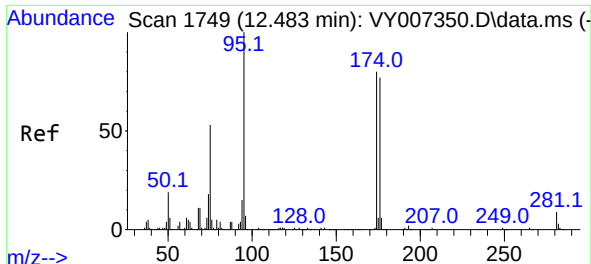
Tgt Ion: 69 Resp: 2819
Ion Ratio Lower Upper
69 100
41 139.8 63.4 95.0#
39 77.0 35.8 53.8#



#59
2-Hexanone
Concen: 14.611 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion: 43 Resp: 6216
Ion Ratio Lower Upper
43 100
58 4.9 24.4 73.4#

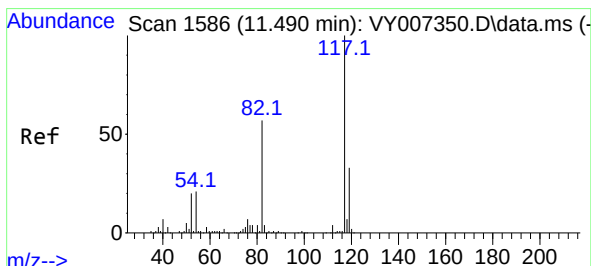
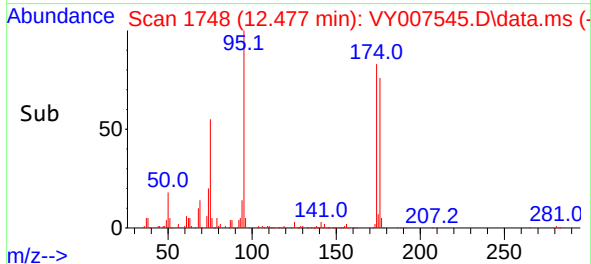
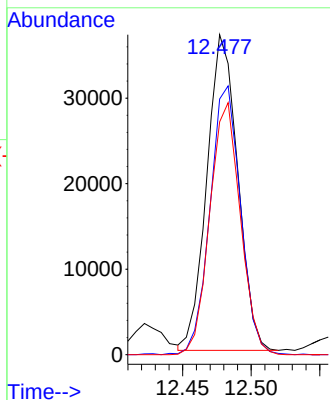
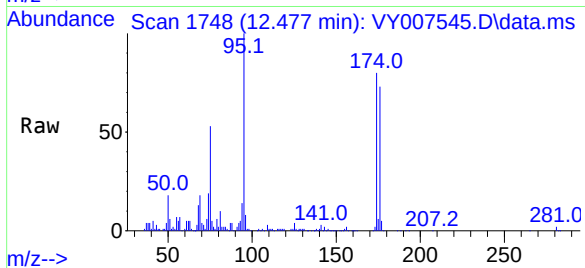




#62
4-Bromofluorobenzene
Concen: 56.284 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

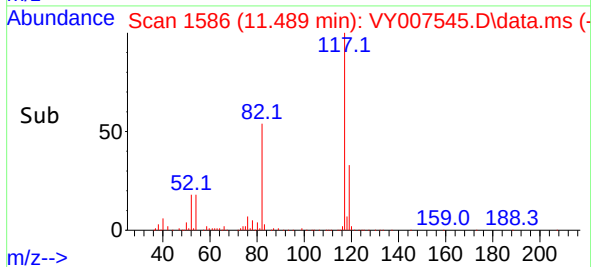
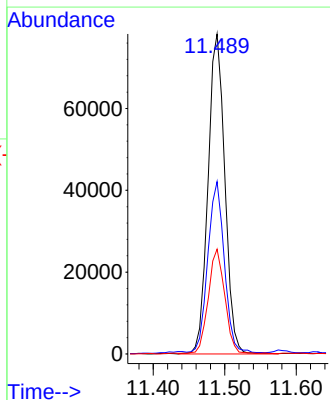
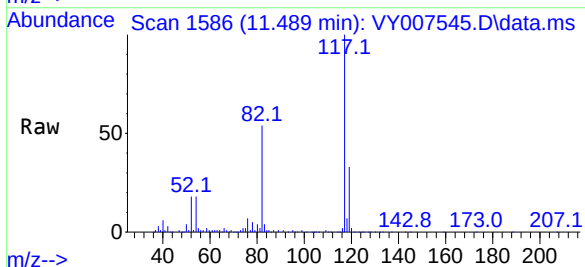
Instrument :
MSVOA_Y
ClientSampleId :
D-4

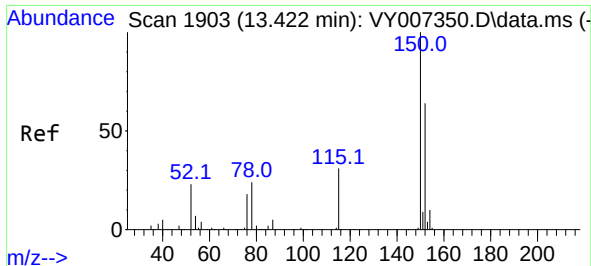
Tgt Ion: 95 Resp: 57850
Ion Ratio Lower Upper
95 100
174 84.4 0.0 177.0
176 79.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion: 117 Resp: 127564
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 32.7 25.4 38.0

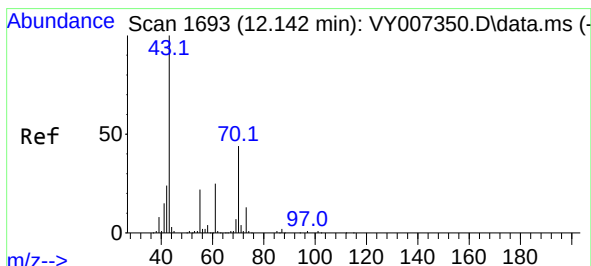
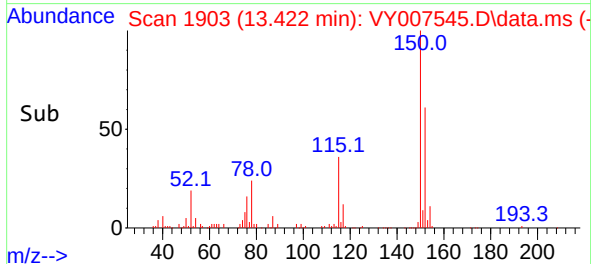
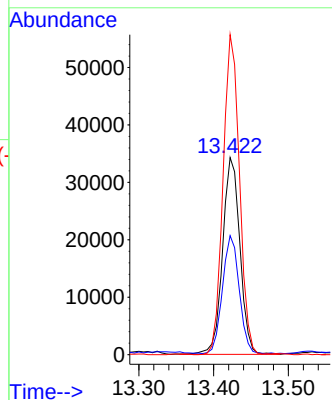
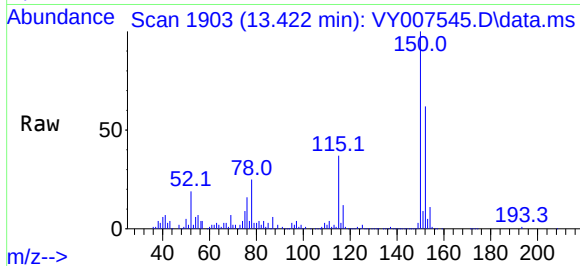




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

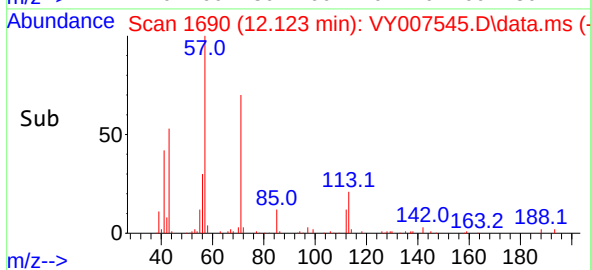
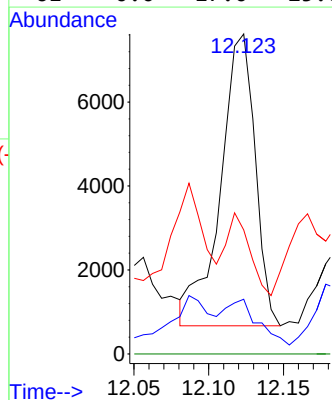
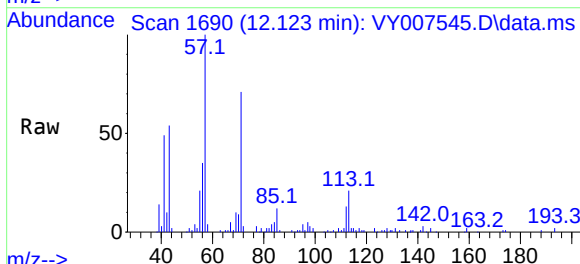
Instrument :
MSVOA_Y
ClientSampleId :
D-4

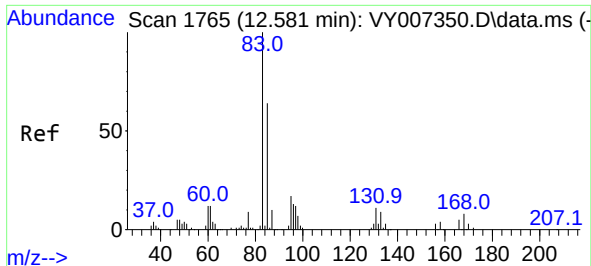
Tgt Ion:152 Resp: 55186
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 154.1 0.0 347.6



#74
N-ethyl acetate
Concen: 10.138 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion: 43 Resp: 11221
Ion Ratio Lower Upper
43 100
70 14.5 28.7 43.1#
55 19.0 17.3 25.9
61 0.0 17.0 25.6#

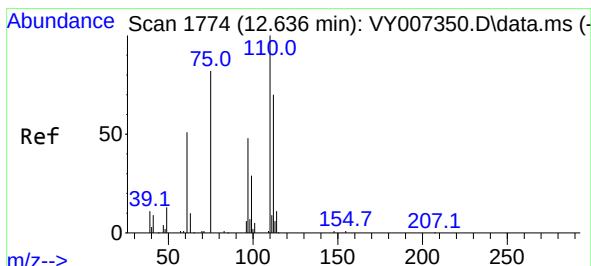
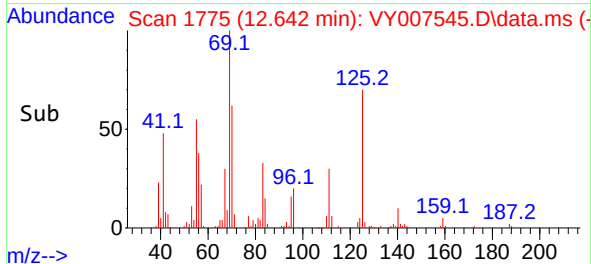
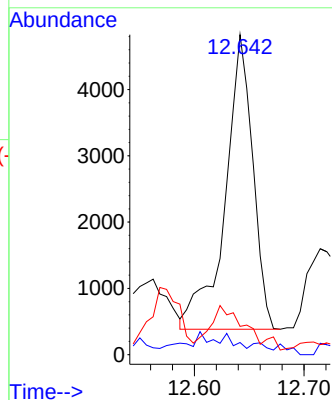
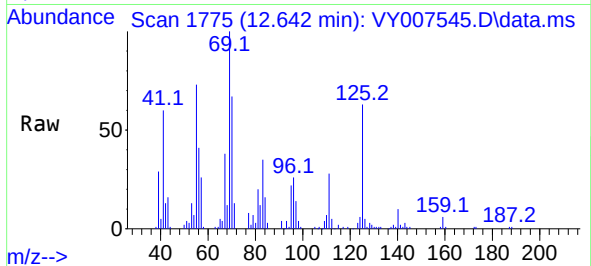




#75
1,1,2,2-Tetrachloroethane
Concen: 9.323 ug/l
RT: 12.642 min Scan# 1775
Delta R.T. 0.061 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

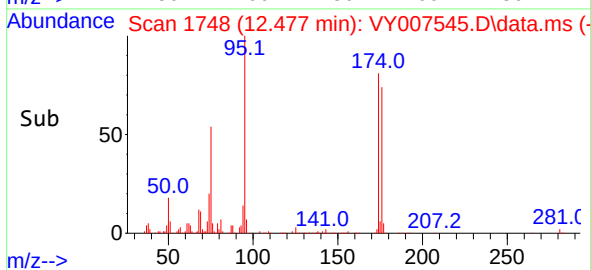
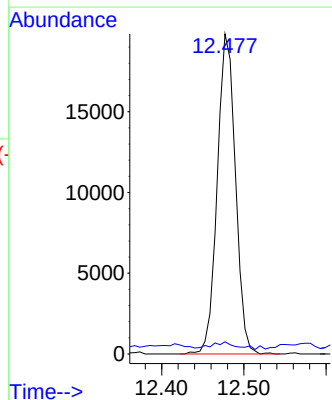
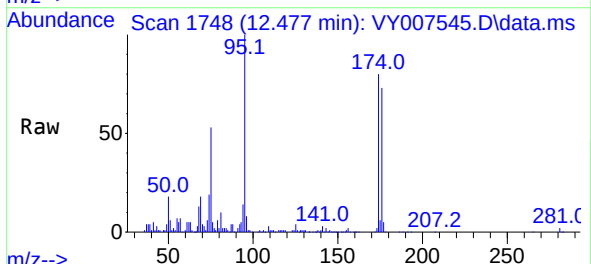
Instrument :
MSVOA_Y
ClientSampleId :
D-4

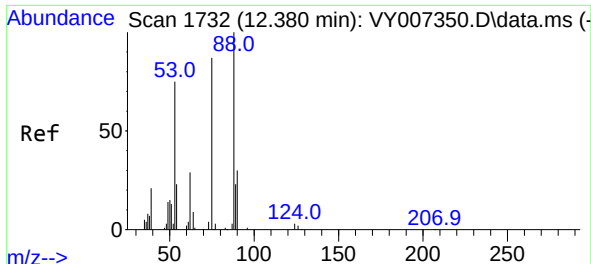
Tgt Ion: 83 Resp: 7807
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 18.0 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 47.792 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion: 75 Resp: 30474
Ion Ratio Lower Upper
75 100
77 3.3 0.0 0.0#

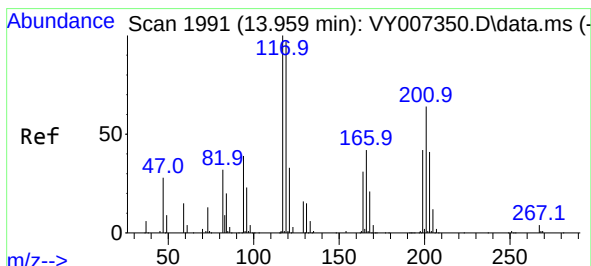
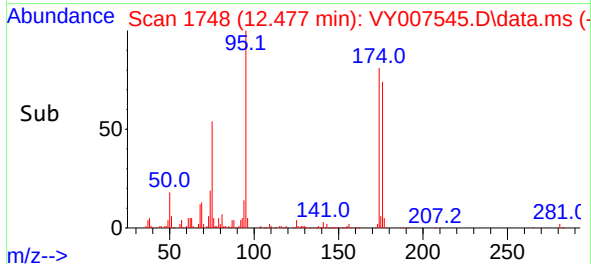
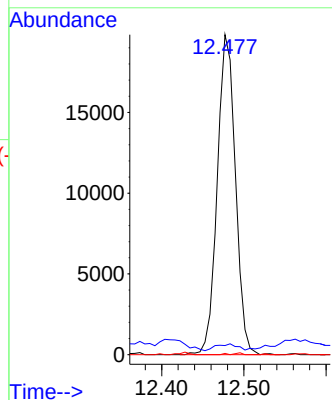
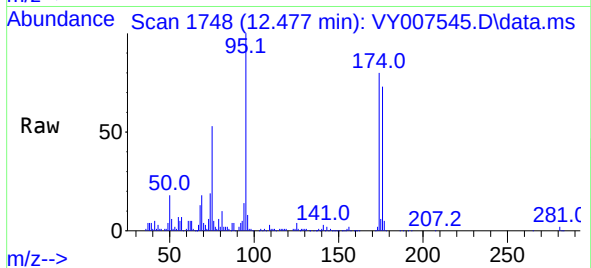




#81
trans-1,4-Dichloro-2-butene
Concen: 99.332 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

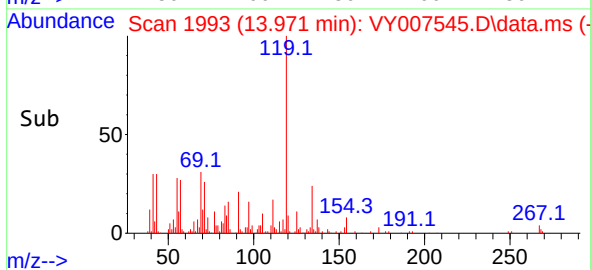
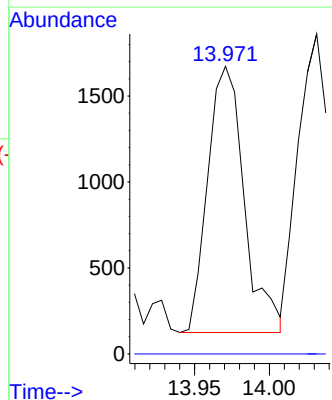
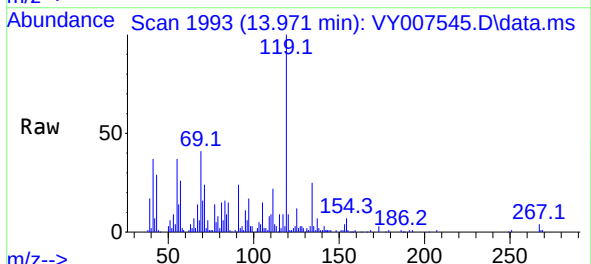
Instrument :
MSVOA_Y
ClientSampleId :
D-4

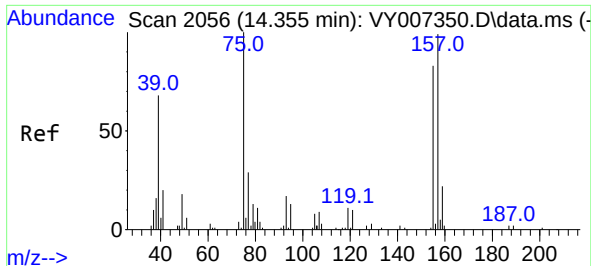
Tgt Ion: 75 Resp: 30474
Ion Ratio Lower Upper
75 100
53 2.5 85.3 127.9#
89 0.3 37.0 55.4#



#90
Hexachloroethane
Concen: 3.198 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY007545.D
Acq: 18 Feb 2022 15:17

Tgt Ion: 117 Resp: 2626
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.920 ug/l

RT: 14.501 min Scan# 20

Delta R.T. 0.146 min

Lab File: VY007545.D

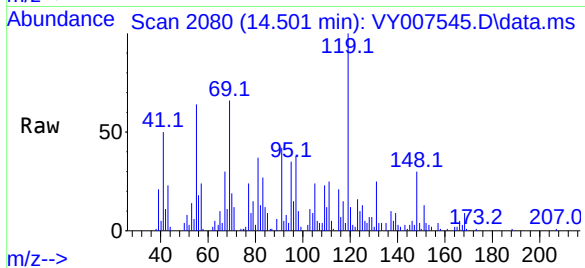
Acq: 18 Feb 2022 15:17

Instrument :

MSVOA_Y

ClientSampleId :

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Tgt Ion: 75 Resp: 273

Ion Ratio Lower Upper

75 100

155 39.9 38.0 113.9

157 86.8 47.8 143.3

