

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
 Data File : VY009589.D
 Acq On : 19 Jul 2022 15:05
 Operator : KP/MD
 Sample : N3724-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-1-071422

Quant Time: Jul 19 15:37:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	196974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	334480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	324409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157709	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	90736	48.707	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.420%
35) Dibromofluoromethane	7.710	113	87409	41.481	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.960%
50) Toluene-d8	10.173	98	342427	42.271	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	84.540%
62) 4-Bromofluorobenzene	12.477	95	119398	45.487	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	90.980%

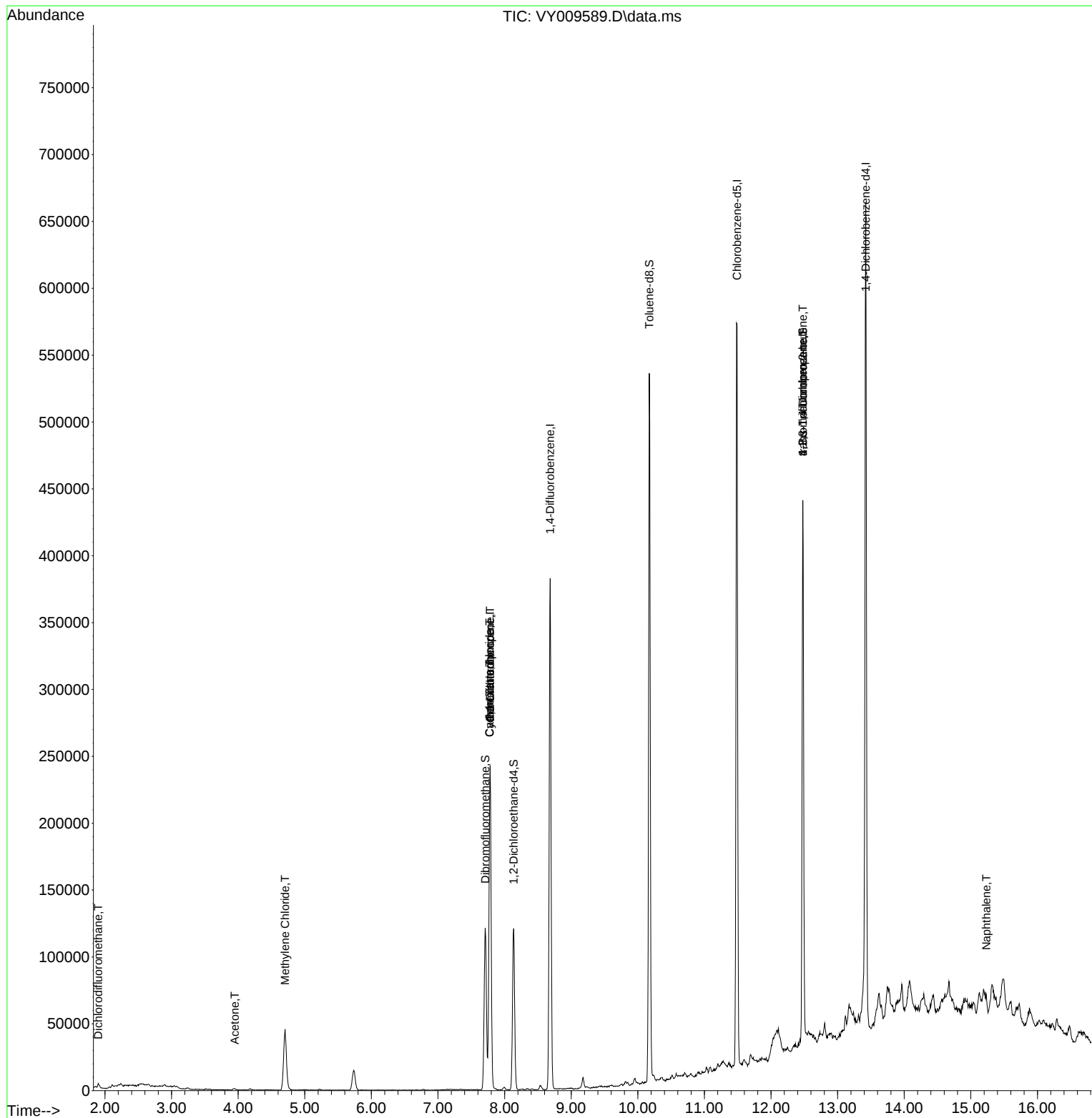
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	2835	1.640	ug/l	98
11) Tert butyl alcohol	4.936	59	127	Below Cal	#	77
16) Acetone	3.948	43	1719	3.648	ug/l #	75
20) Methylene Chloride	4.704	84	33532	5.340	ug/l #	87
31) Cyclohexane	7.777	56	4356	1.326	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12900	4.143	ug/l #	52
38) Carbon Tetrachloride	7.777	117	18720	5.743	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	59022	39.286	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59022	77.465	ug/l #	8
95) Naphthalene	15.233	128	8262	1.453	ug/l #	96

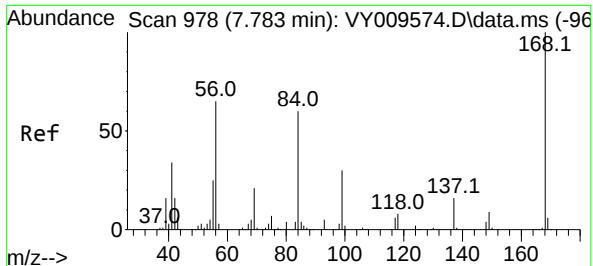
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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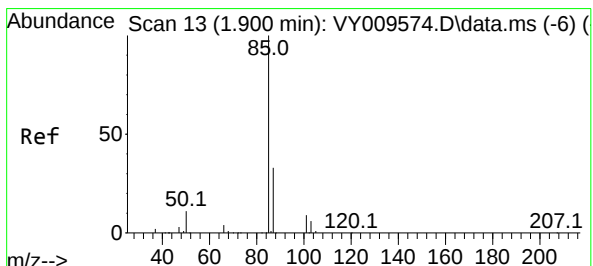
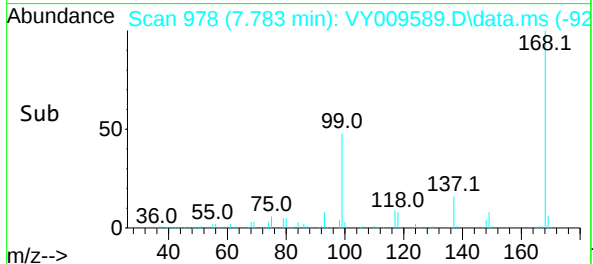
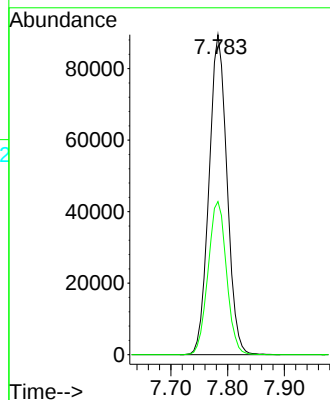
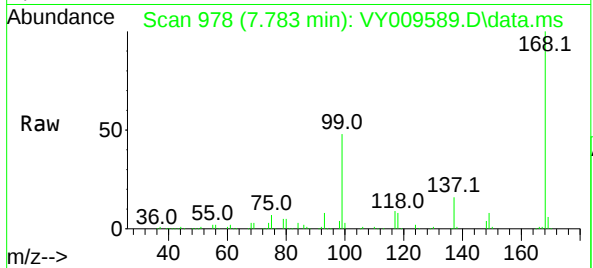




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

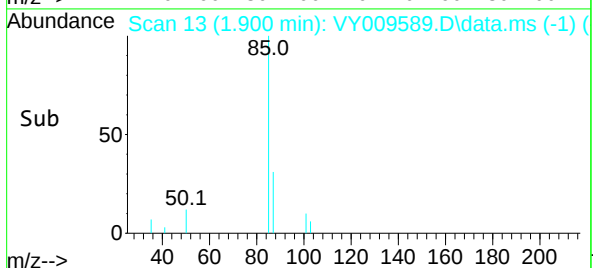
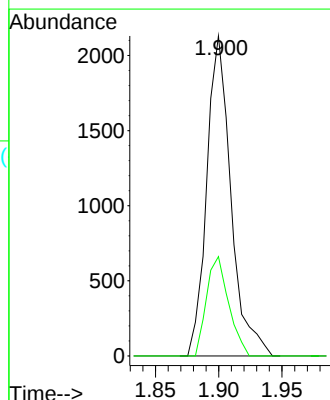
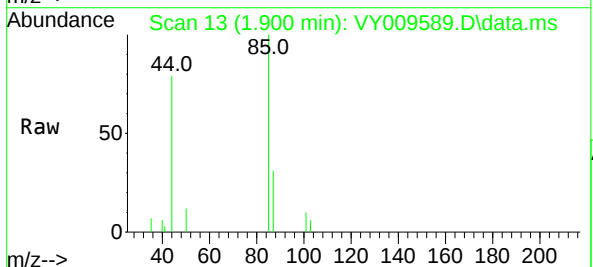
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-071422

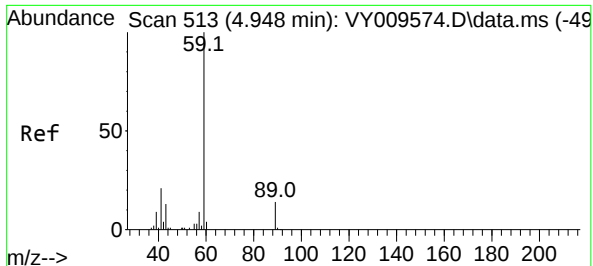
Tgt Ion:168 Resp: 196974
Ion Ratio Lower Upper
168 100
99 47.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.640 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

Tgt Ion: 85 Resp: 2835
Ion Ratio Lower Upper
85 100
87 31.0 16.1 48.2

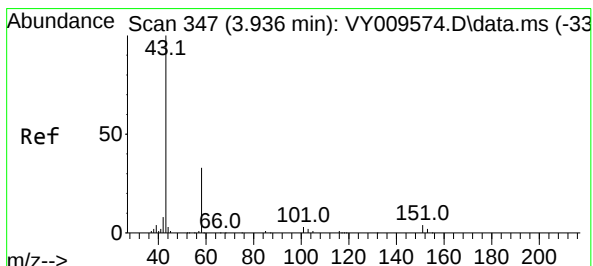
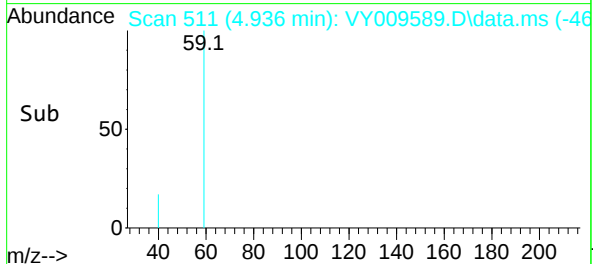
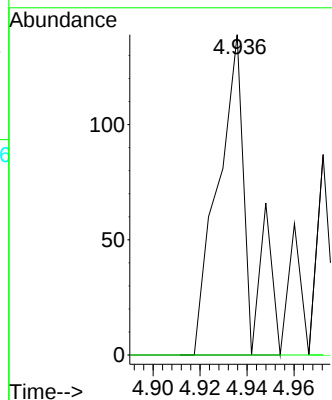
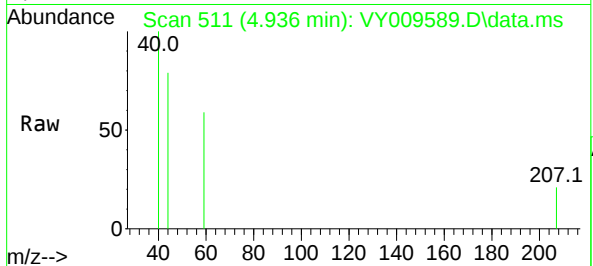




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

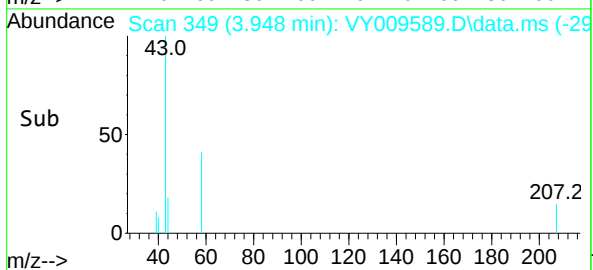
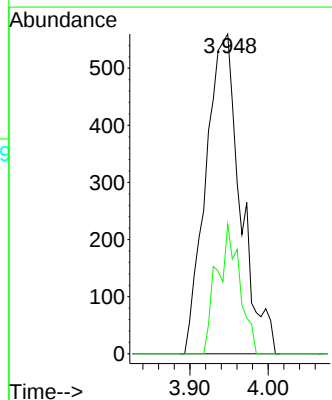
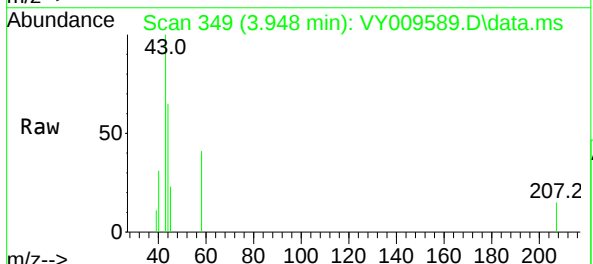
Instrument :
MSVOA_Y
ClientSampleId :
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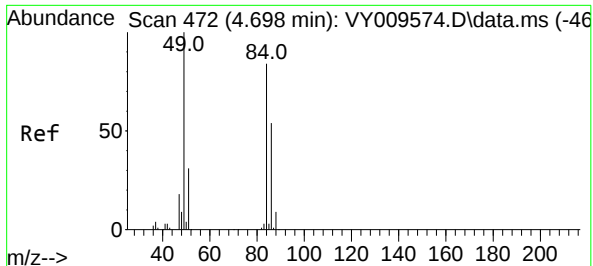
Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 3.648 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

Tgt Ion: 43 Resp: 1719
Ion Ratio Lower Upper
43 100
58 40.5 22.0 33.0#

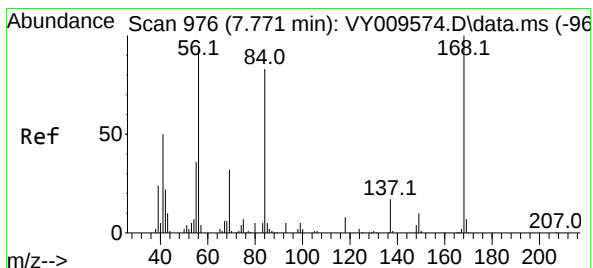
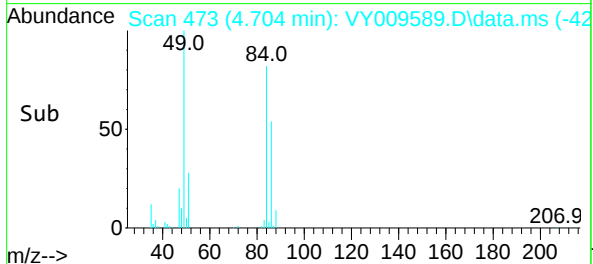
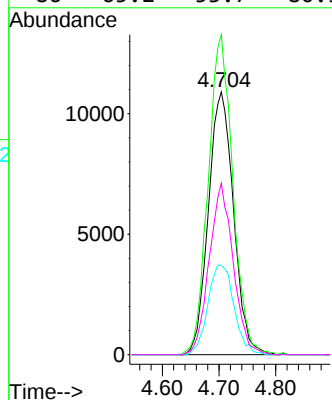
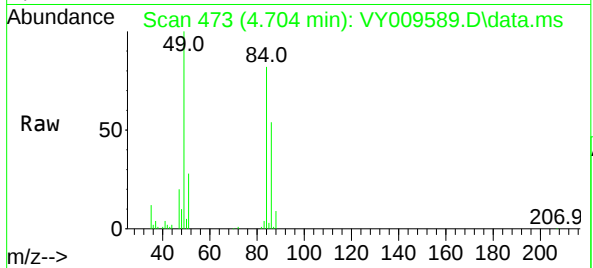




#20
Methylene Chloride
Concen: 5.340 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

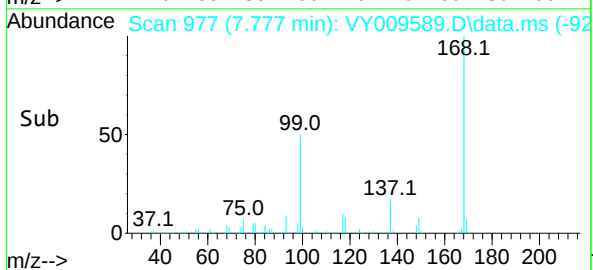
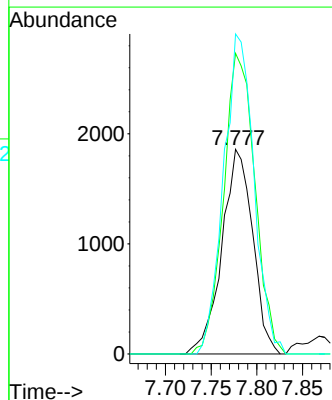
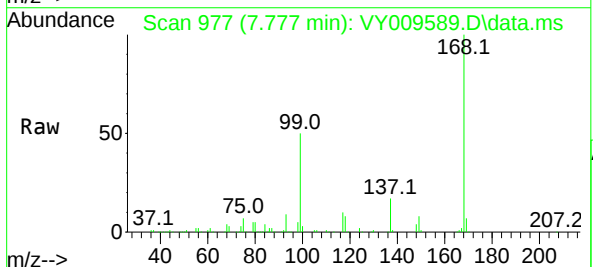
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-071422

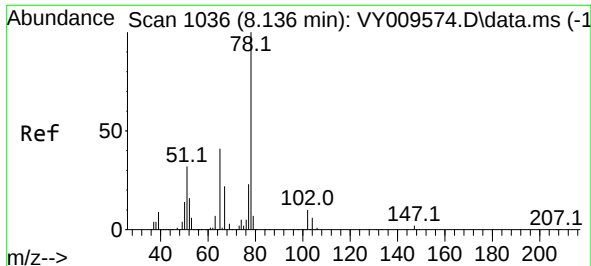
Tgt Ion: 84 Resp: 33532
Ion Ratio Lower Upper
84 100
49 121.8 114.4 171.6
51 33.9 35.3 52.9#
86 65.2 53.7 80.5



#31
Cyclohexane
Concen: 1.326 ug/l
RT: 7.777 min Scan# 977
Delta R.T. 0.006 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

Tgt Ion: 56 Resp: 4356
Ion Ratio Lower Upper
56 100
69 146.9 26.7 40.1#
84 156.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 48.707 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009589.D

Acq: 19 Jul 2022 15:05

Instrument :

MSVOA_Y

ClientSampleId :

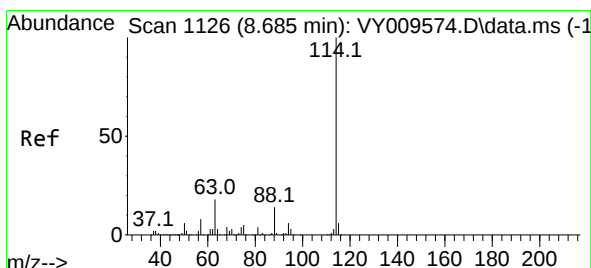
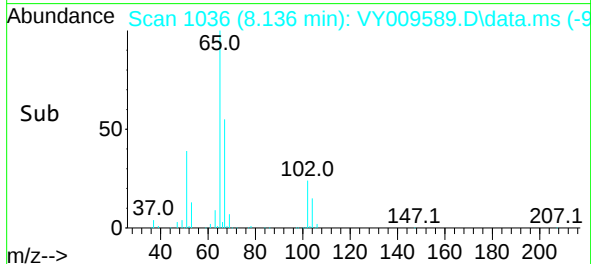
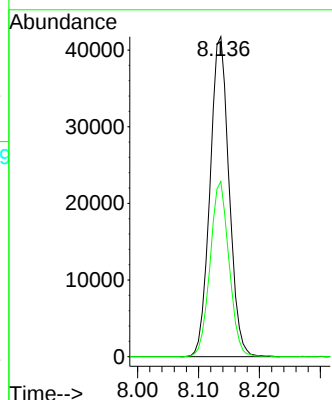
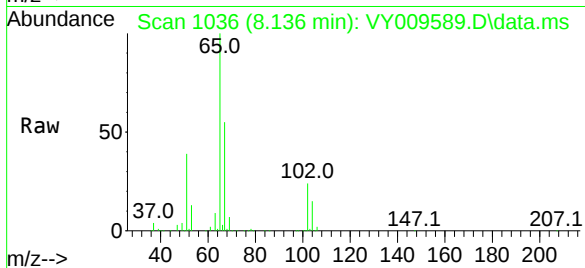
EO-1-071422

Tgt Ion: 65 Resp: 90736

Ion Ratio Lower Upper

65 100

67 54.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009589.D

Acq: 19 Jul 2022 15:05

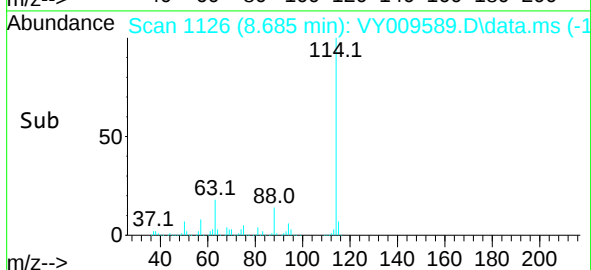
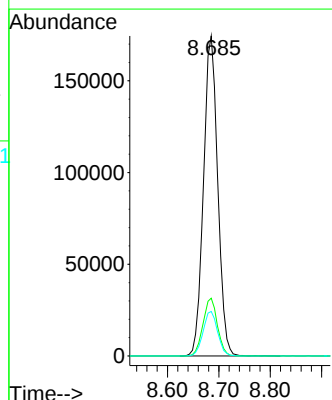
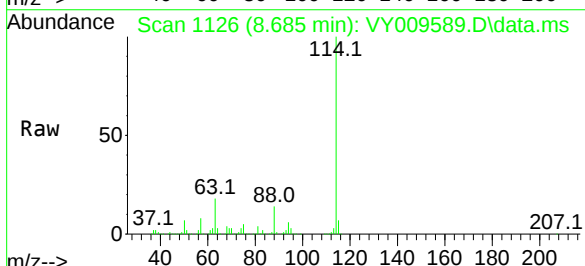
Tgt Ion: 114 Resp: 334480

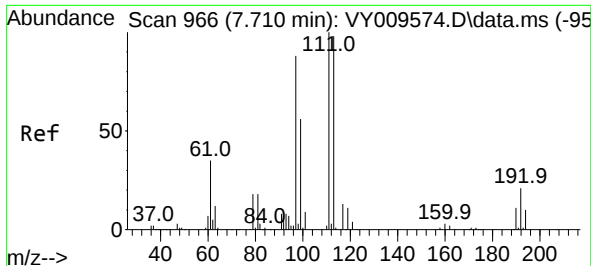
Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 13.9 0.0 31.8

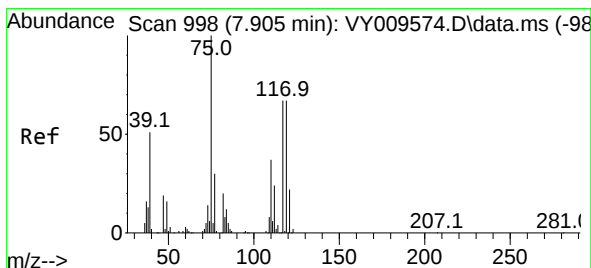
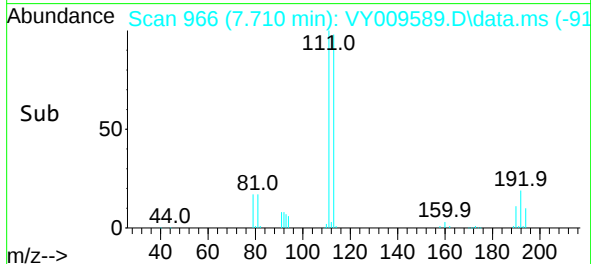
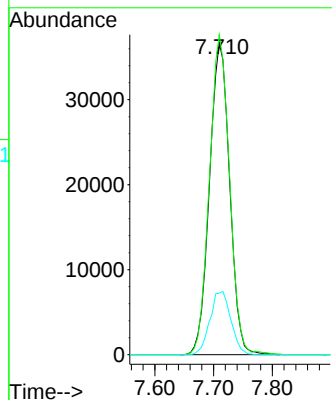
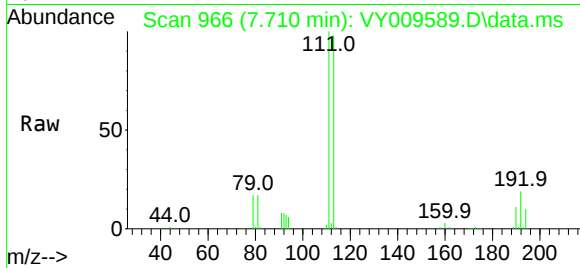




#35
Dibromofluoromethane
Concen: 41.481 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

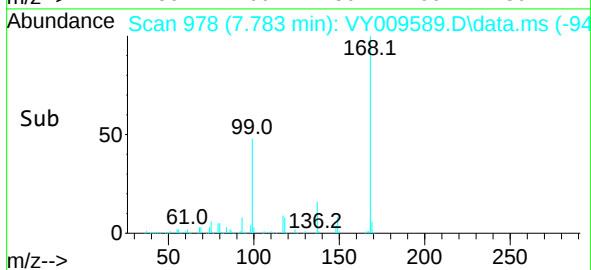
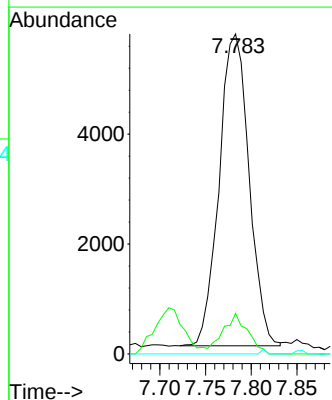
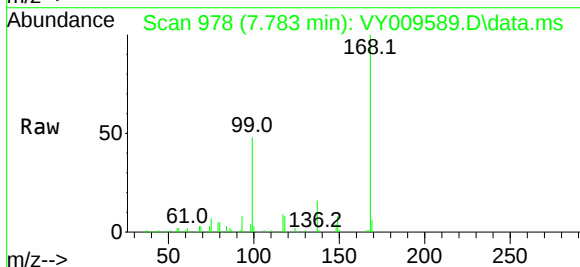
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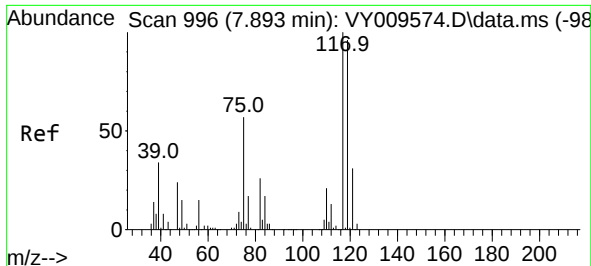
Tgt Ion:113 Resp: 87409
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 21.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.143 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

Tgt Ion: 75 Resp: 12900
Ion Ratio Lower Upper
75 100
110 10.6 17.1 51.2#
77 0.0 24.4 36.6#

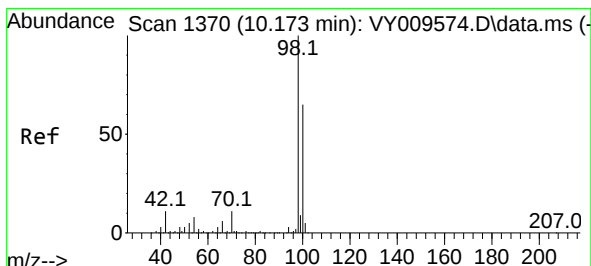
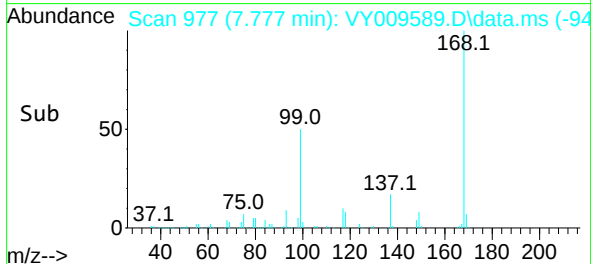
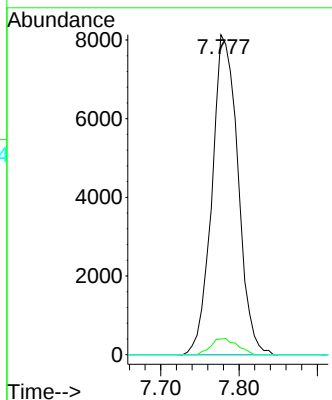
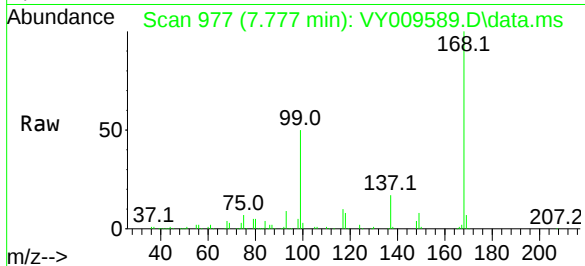




#38
Carbon Tetrachloride
Concen: 5.743 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

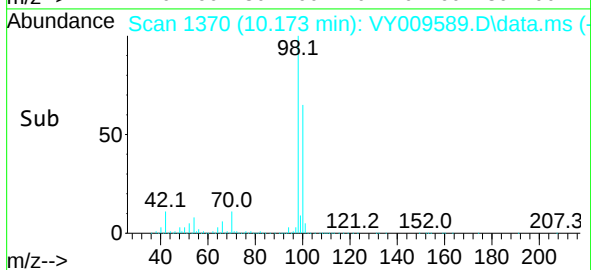
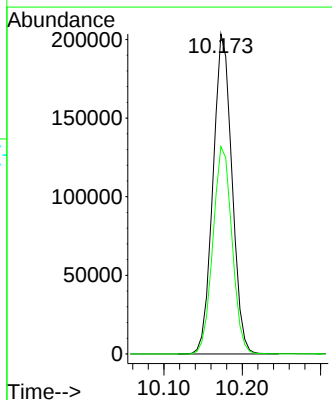
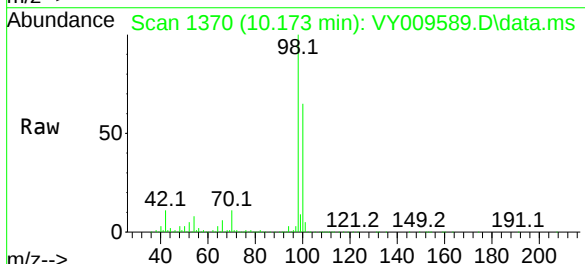
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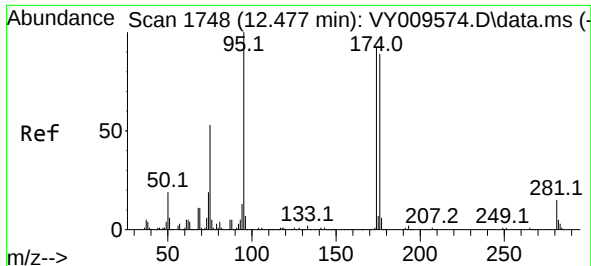
Tgt Ion:117 Resp: 18720
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 42.271 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

Tgt Ion: 98 Resp: 342427
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2

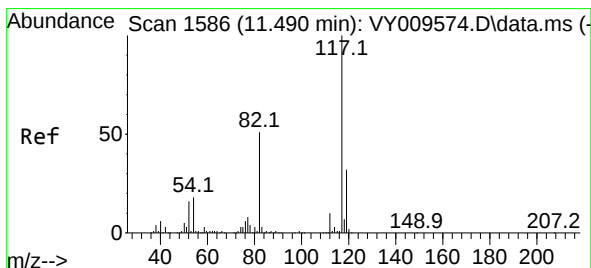
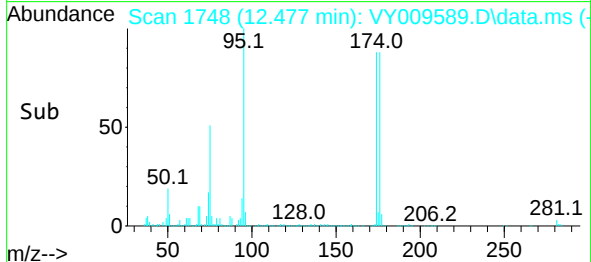
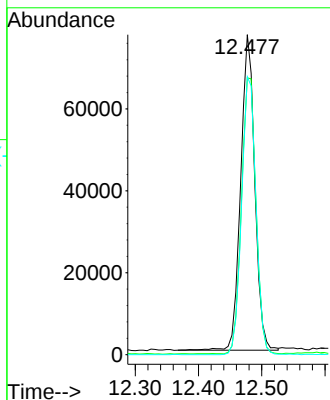
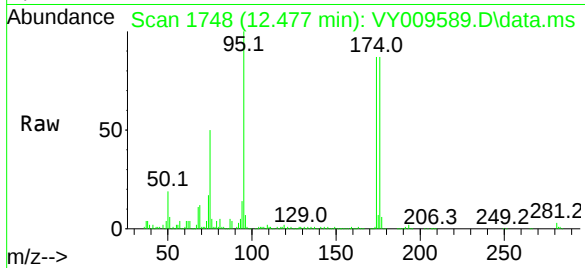




#62
4-Bromofluorobenzene
Concen: 45.487 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

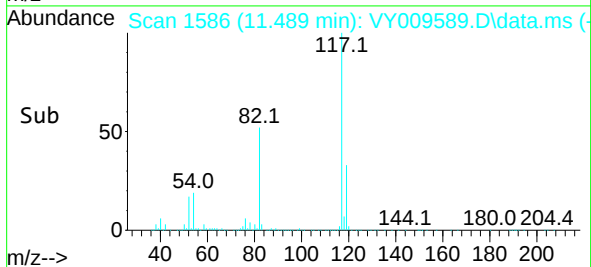
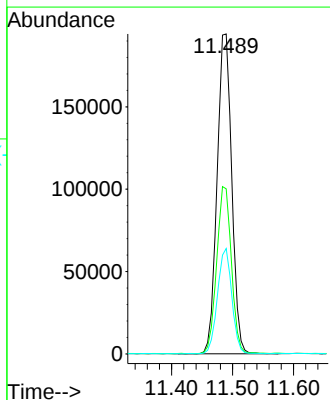
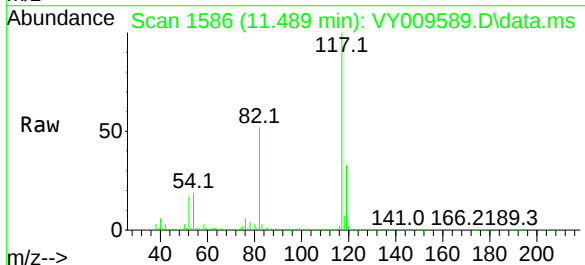
Instrument :
MSVOA_Y
ClientSampleId :
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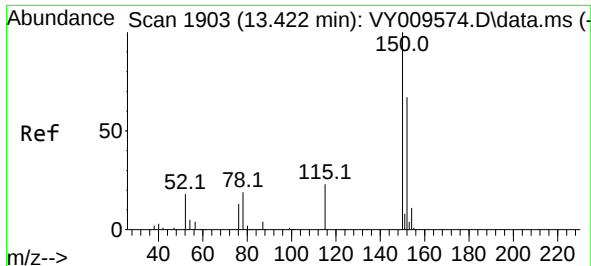
Tgt Ion: 95 Resp: 119398
Ion Ratio Lower Upper
95 100
174 89.8 0.0 177.0
176 89.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

Tgt Ion: 117 Resp: 324409
Ion Ratio Lower Upper
117 100
82 51.5 43.0 64.4
119 32.9 25.4 38.0

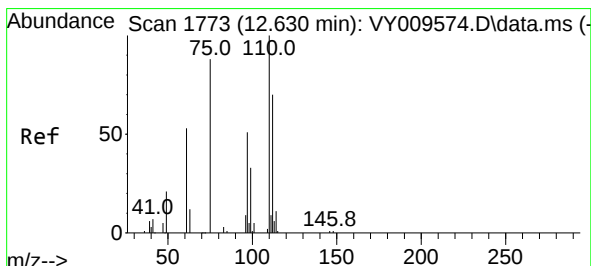
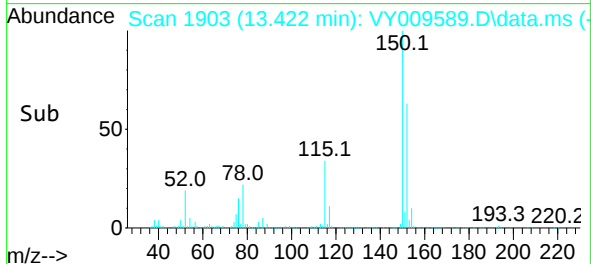
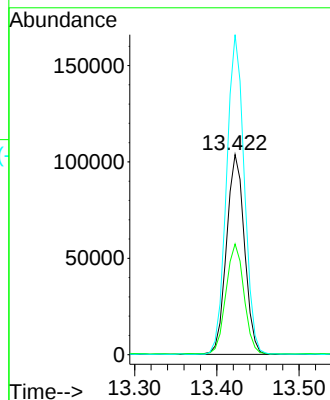
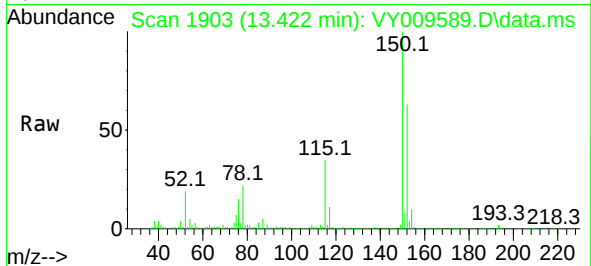




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

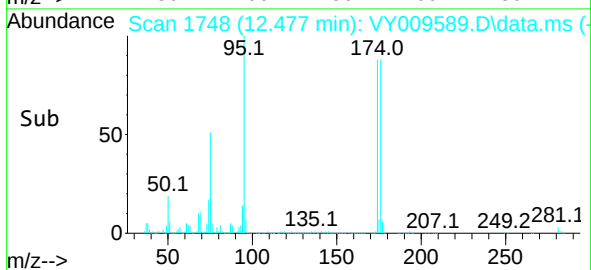
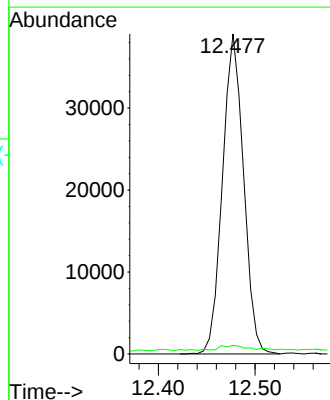
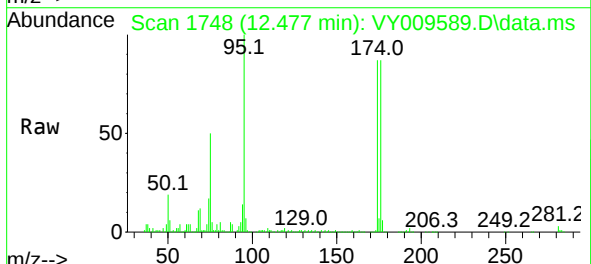
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-071422

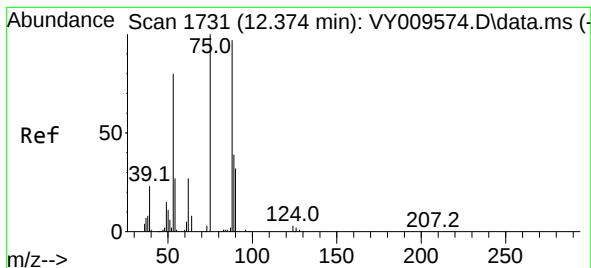
Tgt Ion:152 Resp: 157709
Ion Ratio Lower Upper
152 100
115 55.2 28.2 84.7
150 157.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 39.286 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

Tgt Ion: 75 Resp: 59022
Ion Ratio Lower Upper
75 100
77 3.1 0.0 0.0#

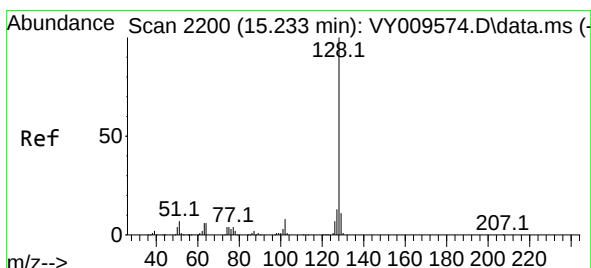
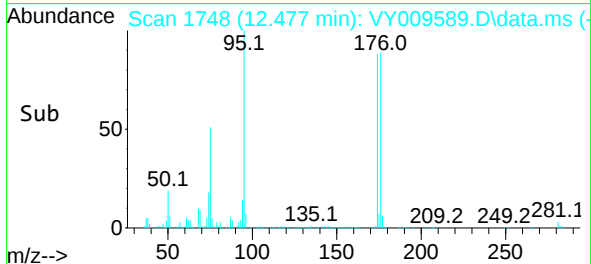
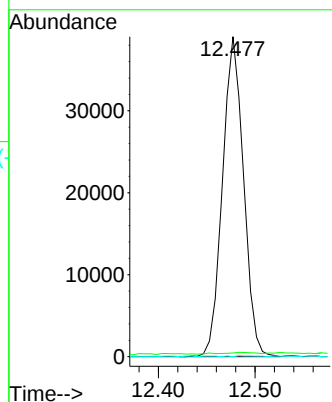
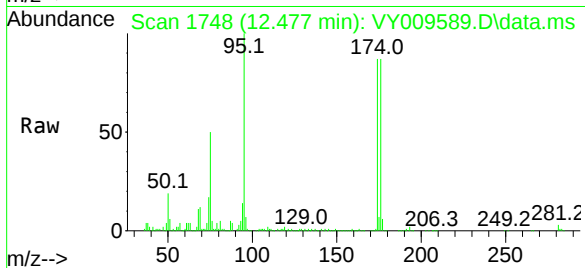




#81
trans-1,4-Dichloro-2-butene
Concen: 77.465 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

Instrument :
MSVOA_Y
ClientSampleId :
EO-1-071422

Tgt Ion: 75 Resp: 59022
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.4 37.0 55.4#



#95
Naphthalene
Concen: 1.453 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009589.D
Acq: 19 Jul 2022 15:05

Tgt Ion: 128 Resp: 8262
Ion Ratio Lower Upper
128 100
127 12.9 11.0 16.4
129 7.7 8.4 12.6#

