

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
 Data File : VY009594.D
 Acq On : 19 Jul 2022 17:02
 Operator : KP/MD
 Sample : N3651-05
 Misc : 6.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP-SED

Quant Time: Jul 20 02:44:57 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)

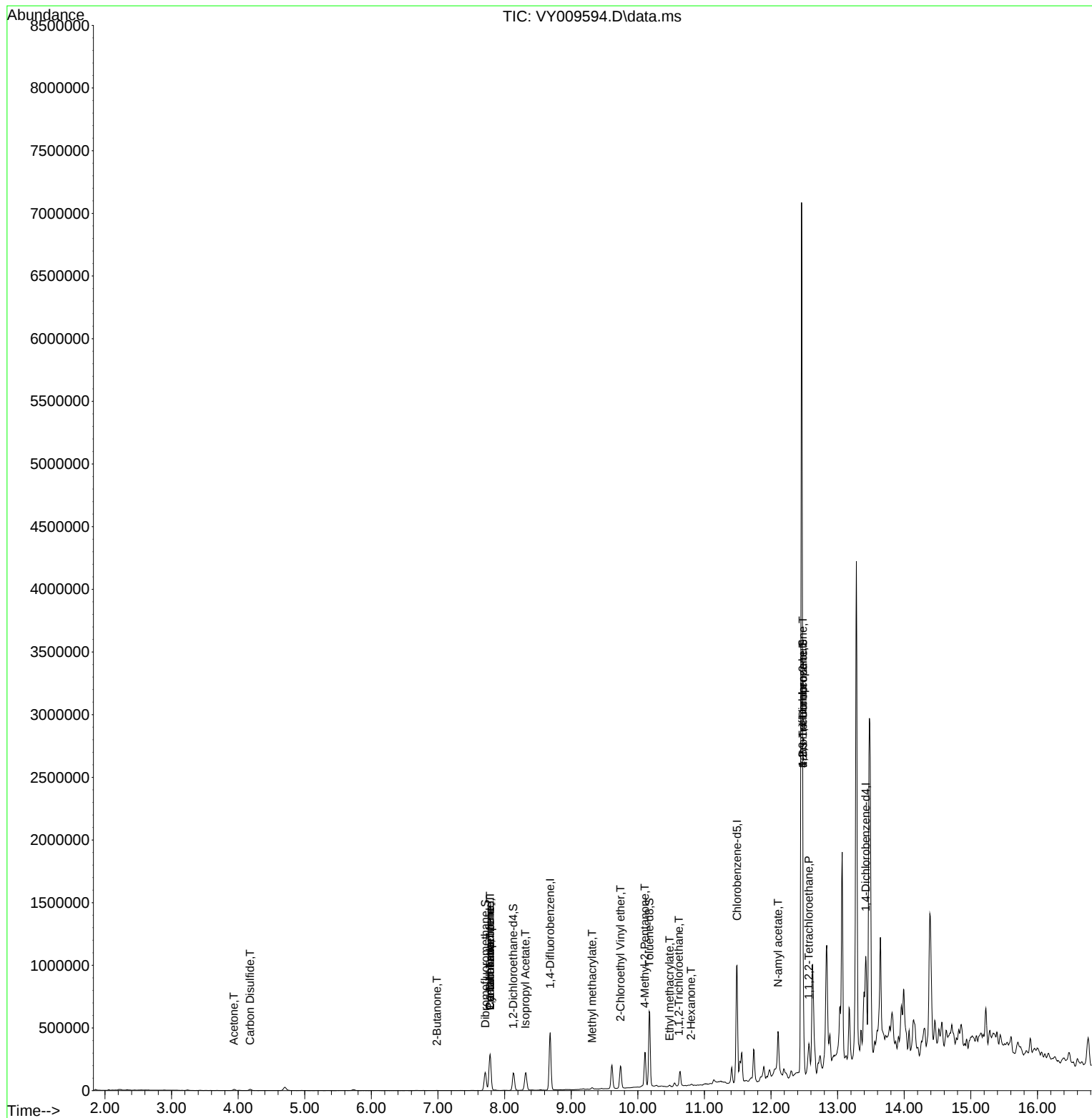
Internal Standards						
1) Pentafluorobenzene	7.783	168	242328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	403695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	386436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	185531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	108716	47.436	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.880%
35) Dibromofluoromethane	7.710	113	103837	40.828	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.660%
50) Toluene-d8	10.173	98	404625	41.385	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	82.780%
62) 4-Bromofluorobenzene	12.477	95	152410	48.108	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	96.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	2325	Below Cal	#	84
16) Acetone	3.936	43	16175	27.899	ug/l #	82
17) Carbon Disulfide	4.180	76	20172	2.912	ug/l #	95
20) Methylene Chloride	4.704	84	20190	Below Cal	#	82
25) 2-Butanone	6.984	43	2107	2.491	ug/l	96
31) Cyclohexane	7.783	56	4645	1.149	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16563	4.407	ug/l #	51
38) Carbon Tetrachloride	7.783	117	21952	5.580	ug/l #	16
43) Isopropyl Acetate	8.313	43	27316	7.127	ug/l #	56
48) Methyl methacrylate	9.313	41	2797	1.652	ug/l #	46
51) 4-Methyl-2-Pentanone	10.106	43	33433	16.800	ug/l	88
55) 1,1,2-Trichloroethane	10.618	97	2577	1.168	ug/l #	1
56) Ethyl methacrylate	10.477	69	4247	1.504	ug/l #	59
58) 2-Chloroethyl Vinyl ether	9.740	63	484	28.562	ug/l	95
59) 2-Hexanone	10.801	43	5484	3.962	ug/l #	45
74) N-amyl acetate	12.105	43	53968	15.797	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.569	83	7929	3.082	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	72753	41.164	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	72753	81.167	ug/l #	8

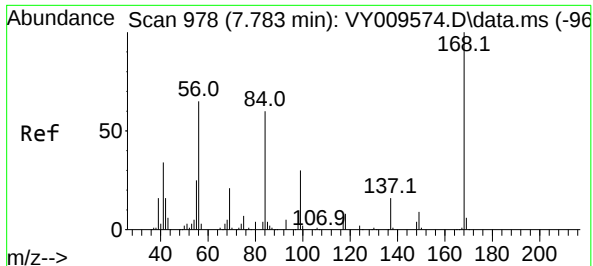
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
Data File : VY009594.D
Acq On : 19 Jul 2022 17:02
Operator : KP/MD
Sample : N3651-05
Misc : 6.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DUP-SED

Quant Time: Jul 20 02:44:57 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

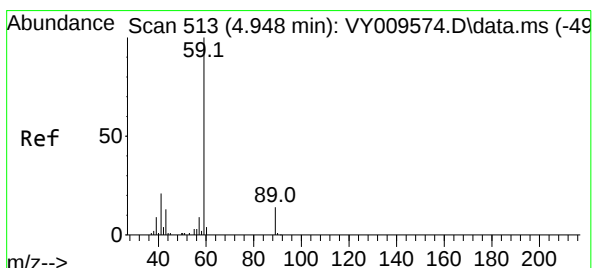
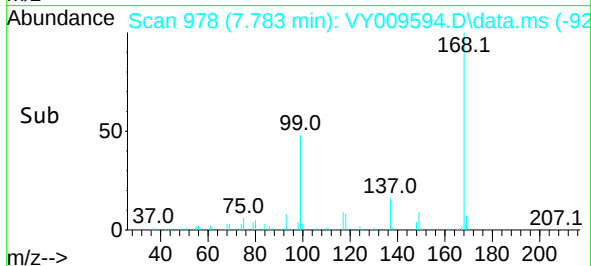
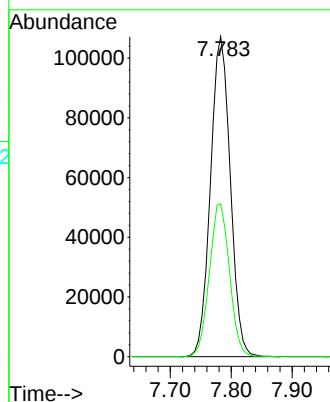
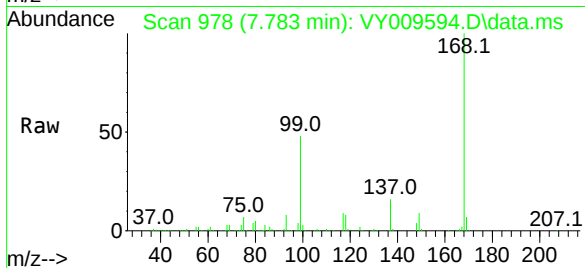




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

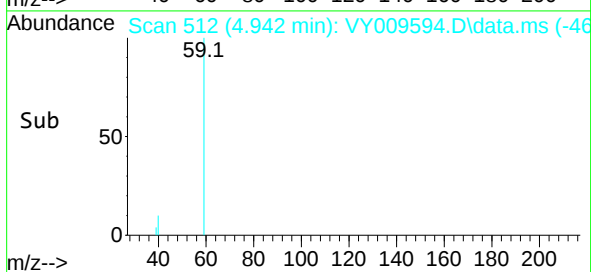
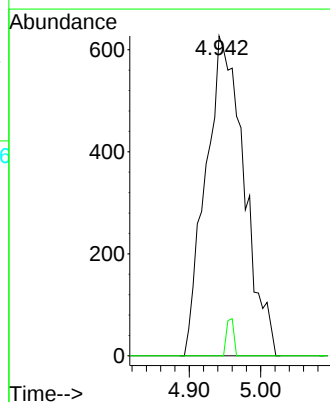
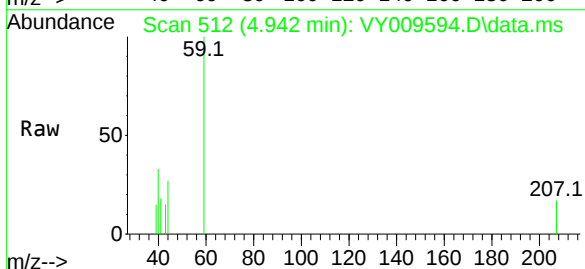
Instrument :
MSVOA_Y
ClientSampleId :
DUP-SED

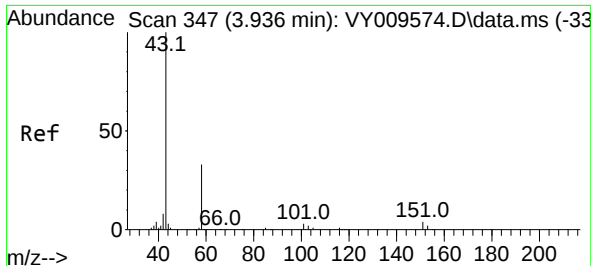
Tgt Ion:168 Resp: 242328
Ion Ratio Lower Upper
168 100
99 47.8 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

Tgt Ion: 59 Resp: 2325
Ion Ratio Lower Upper
59 100
57 2.2 6.4 9.6#





#16

Acetone

Concen: 27.899 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY009594.D

Acq: 19 Jul 2022 17:02

Instrument :

MSVOA_Y

ClientSampleId :

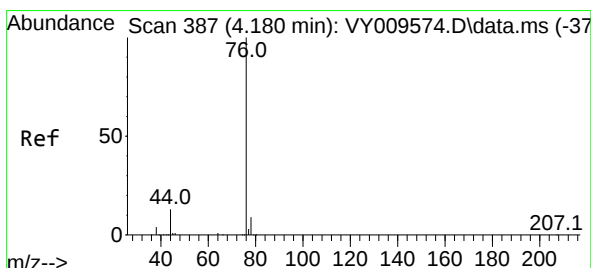
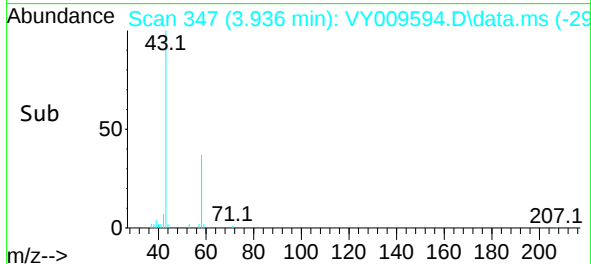
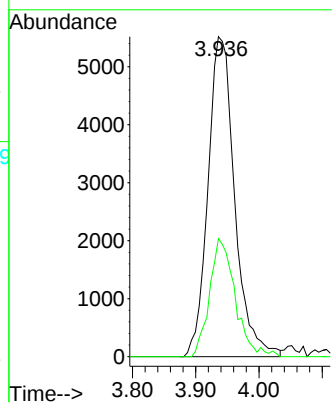
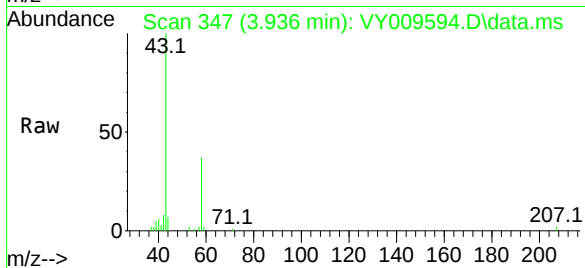
DUP-SED

Tgt Ion: 43 Resp: 16175

Ion Ratio Lower Upper

43 100

58 36.9 22.0 33.0#



#17

Carbon Disulfide

Concen: 2.912 ug/l

RT: 4.180 min Scan# 387

Delta R.T. -0.000 min

Lab File: VY009594.D

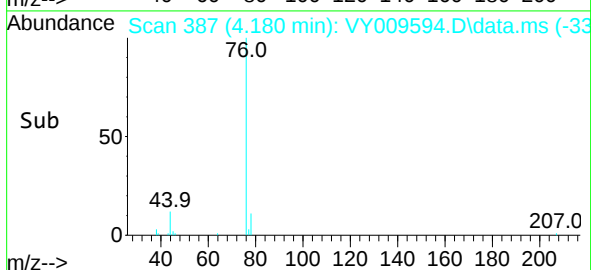
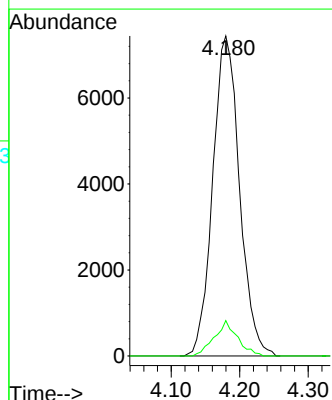
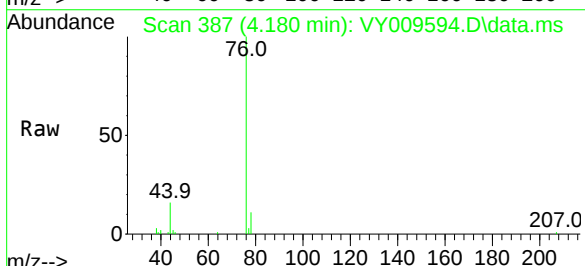
Acq: 19 Jul 2022 17:02

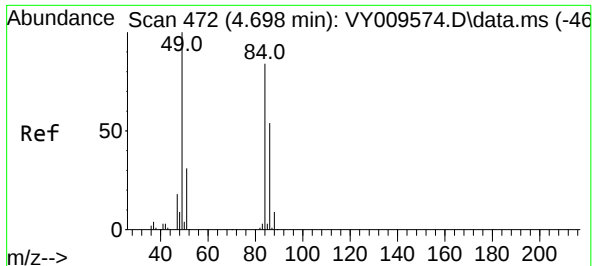
Tgt Ion: 76 Resp: 20172

Ion Ratio Lower Upper

76 100

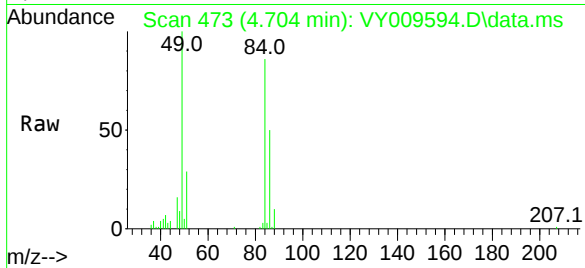
78 11.1 7.4 11.0#



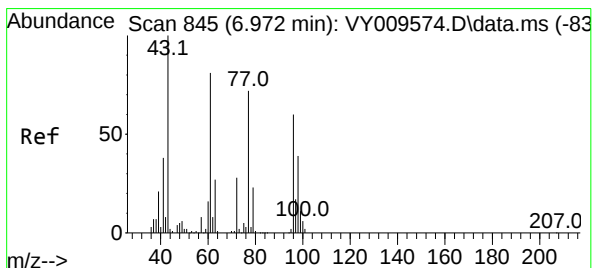
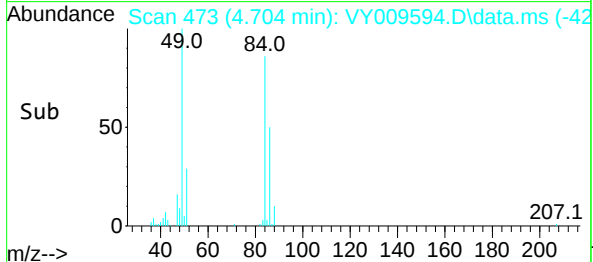
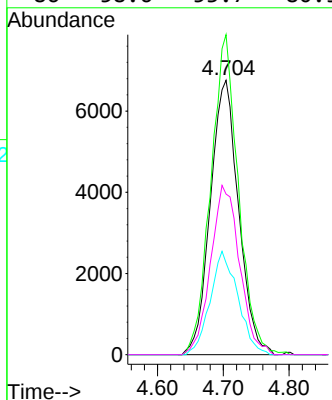


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

Instrument :
MSVOA_Y
ClientSampleId :
DUP-SED

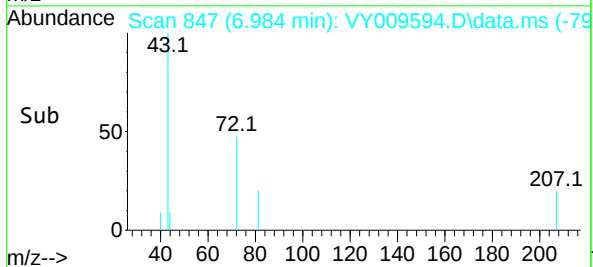
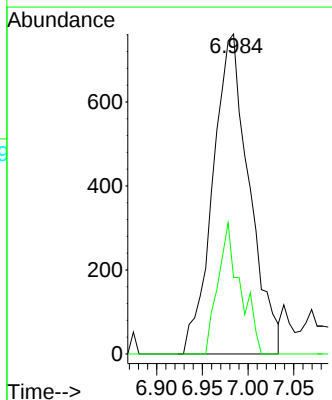
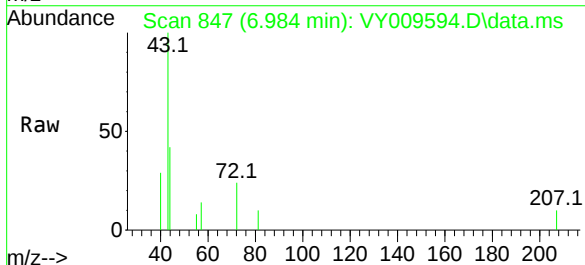


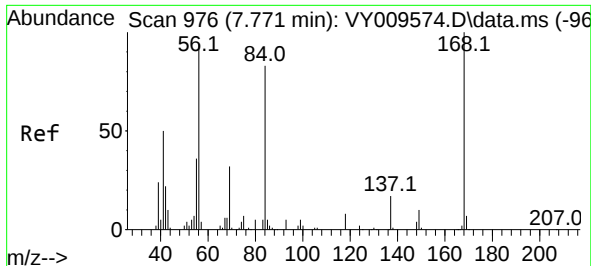
Tgt Ion:	84	Resp:	20190
Ion	Ratio	Lower	Upper
84	100		
49	116.6	114.4	171.6
51	33.5	35.3	52.9#
86	58.6	53.7	80.5



#25
2-Butanone
Concen: 2.491 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

Tgt Ion:	43	Resp:	2107
Ion	Ratio	Lower	Upper
43	100		
72	23.9	17.7	26.5

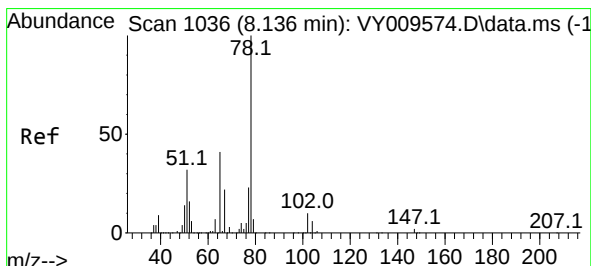
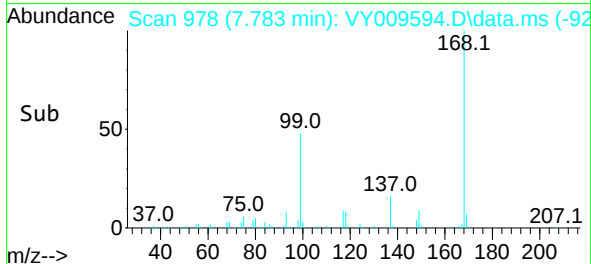
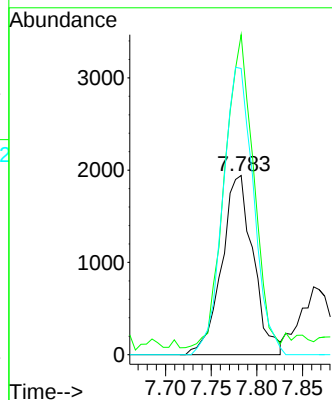
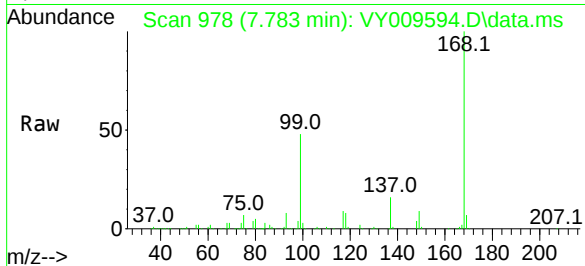




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

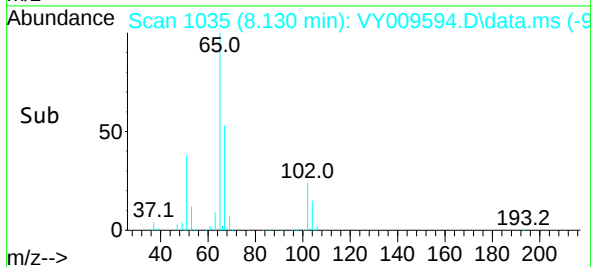
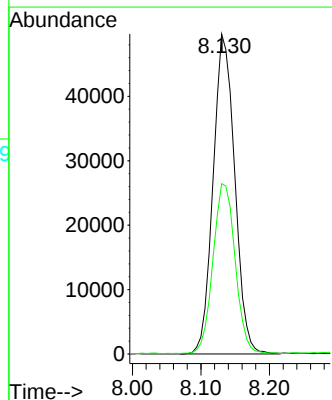
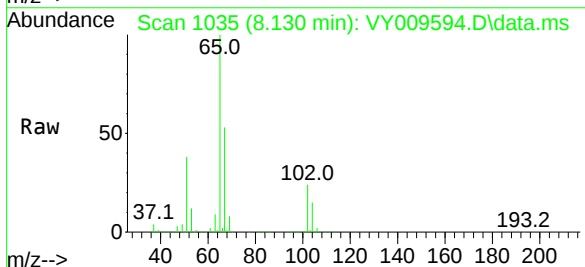
Instrument :
MSVOA_Y
ClientSampleId :
DUP-SED

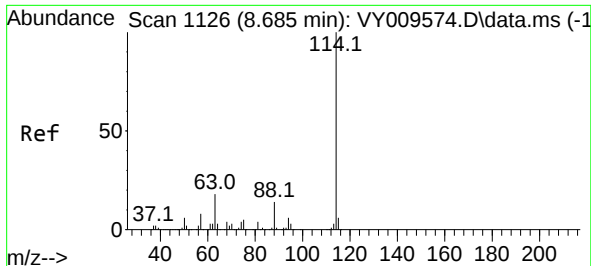
Tgt Ion: 56 Resp: 4645
Ion Ratio Lower Upper
56 100
69 174.7 26.7 40.1#
84 159.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 47.436 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

Tgt Ion: 65 Resp: 108716
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: VY009594.D

Acq: 19 Jul 2022 17:02

Instrument :

MSVOA_Y

ClientSampleId :

DUP-SED

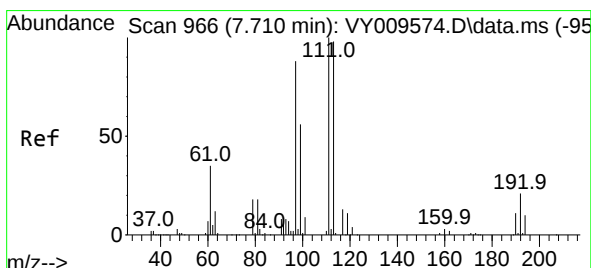
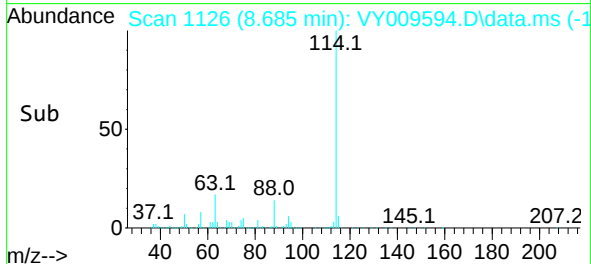
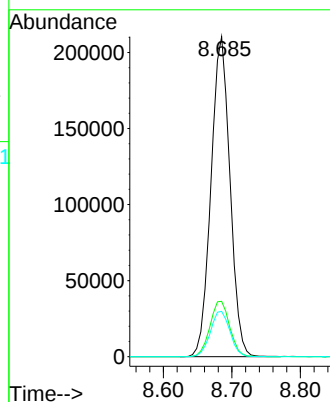
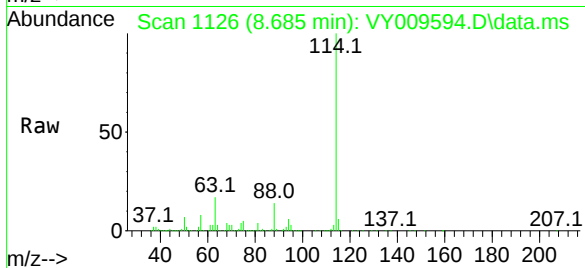
Tgt Ion:114 Resp: 403695

Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 40.828 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009594.D

Acq: 19 Jul 2022 17:02

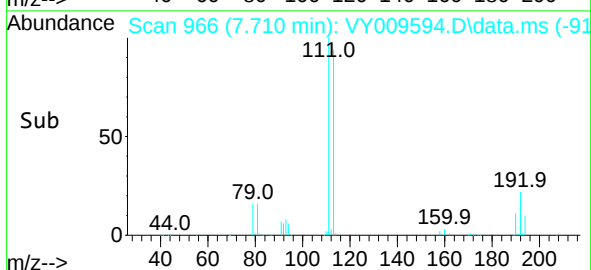
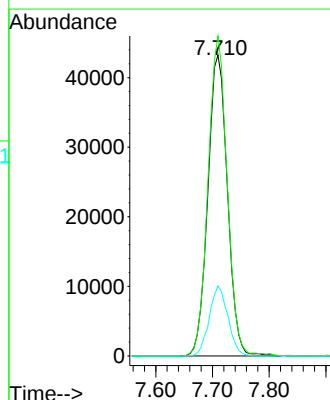
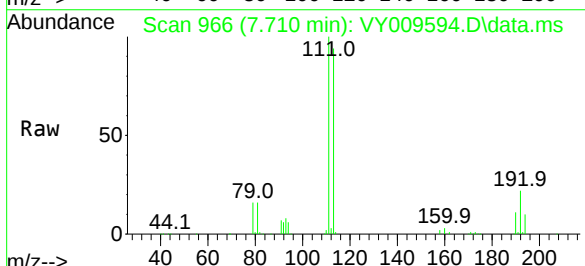
Tgt Ion:113 Resp: 103837

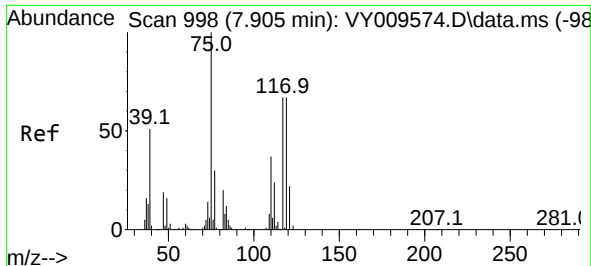
Ion Ratio Lower Upper

113 100

111 104.1 82.6 124.0

192 22.2 17.6 26.4

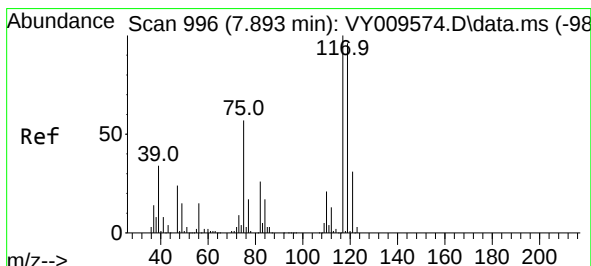
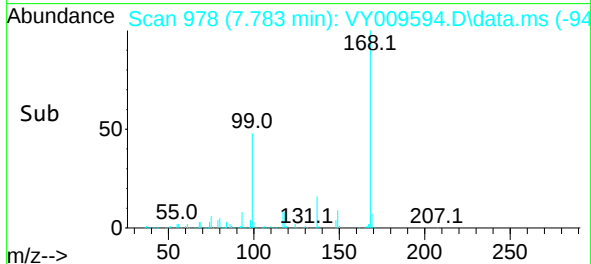
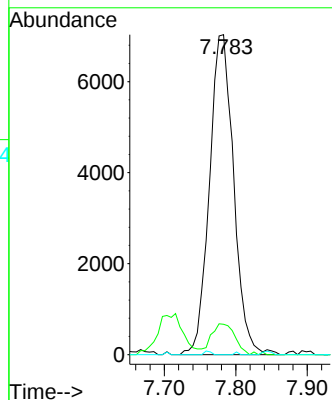
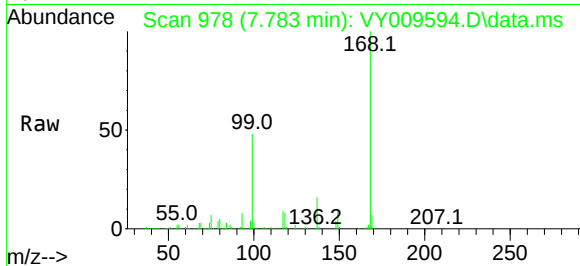




#36
1,1-Dichloropropene
Concen: 4.407 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

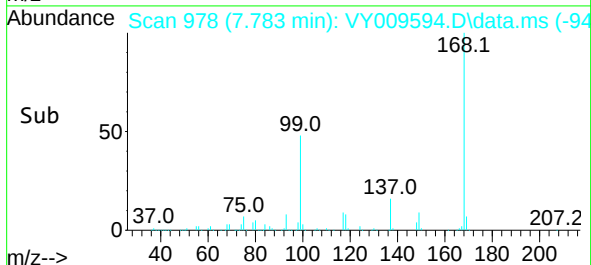
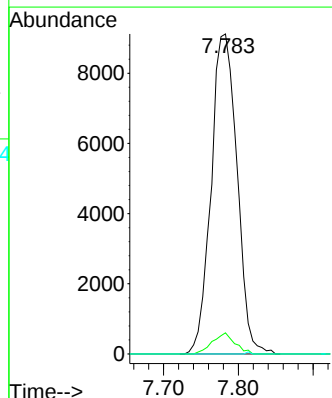
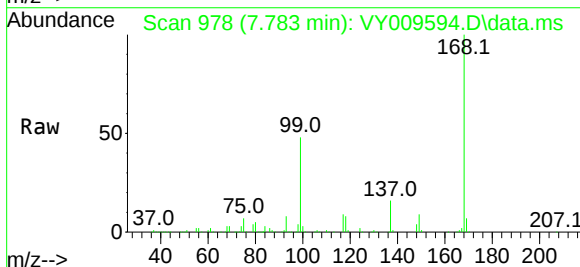
Instrument :
MSVOA_Y
ClientSampleId :
DUP-SED

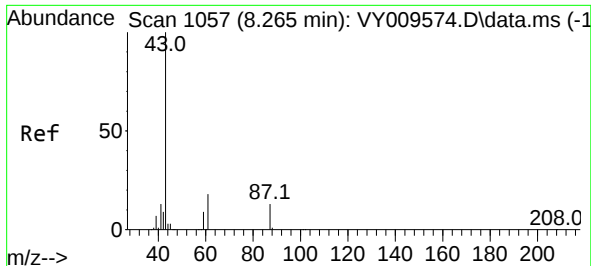
Tgt Ion: 75 Resp: 16563
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.580 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

Tgt Ion: 117 Resp: 21952
Ion Ratio Lower Upper
117 100
119 6.6 77.9 116.9#
121 0.0 24.8 37.2#

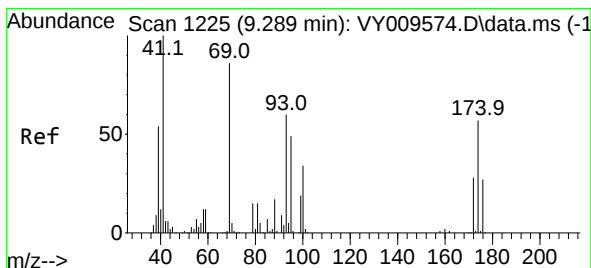
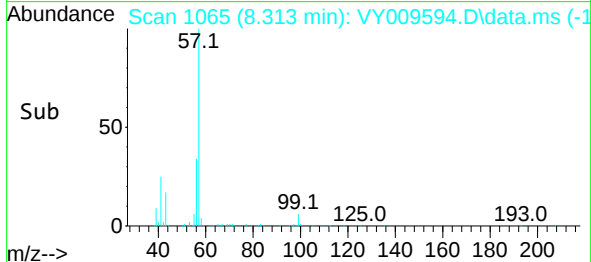
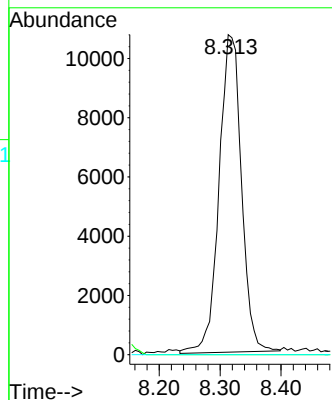
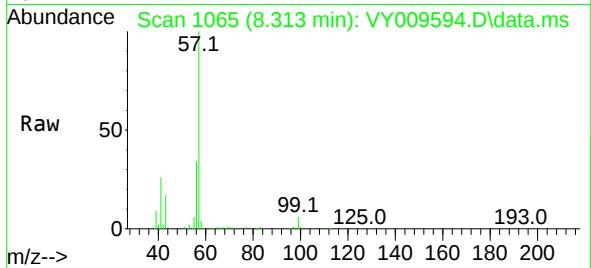




#43
Isopropyl Acetate
Concen: 7.127 ug/l
RT: 8.313 min Scan# 1065
Delta R.T. 0.049 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

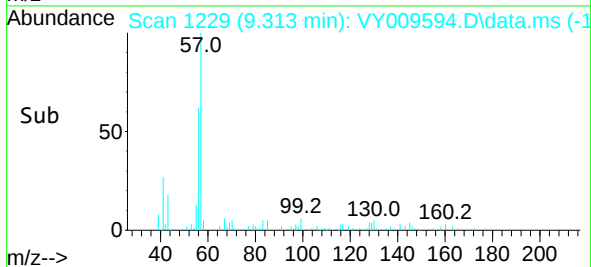
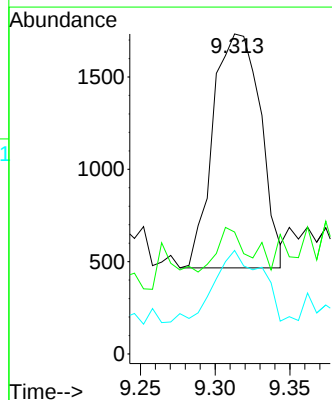
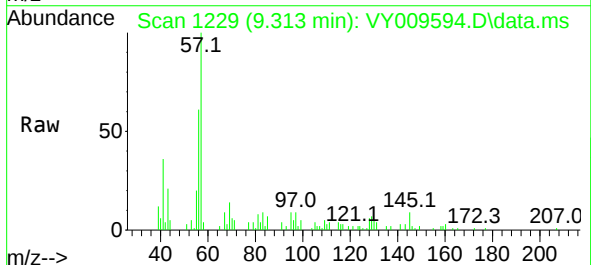
Instrument :
MSVOA_Y
ClientSampleId :
DUP-SED

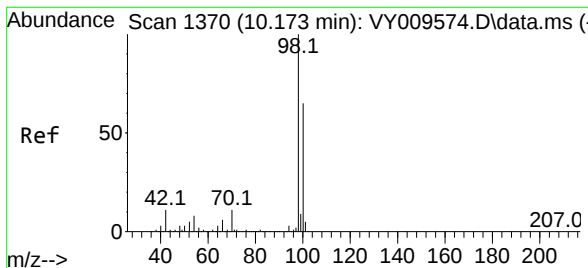
Tgt Ion: 43 Resp: 27316
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 0.0 8.9 13.3#



#48
Methyl methacrylate
Concen: 1.652 ug/l
RT: 9.313 min Scan# 1229
Delta R.T. 0.024 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

Tgt Ion: 41 Resp: 2797
Ion Ratio Lower Upper
41 100
69 10.1 58.2 87.2#
39 37.5 47.4 71.0#

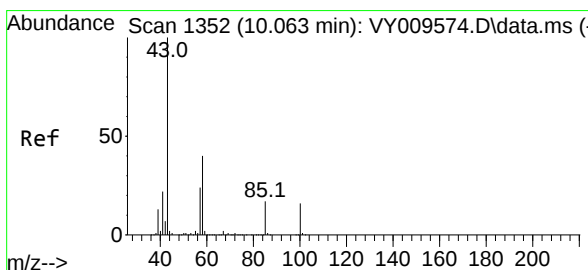
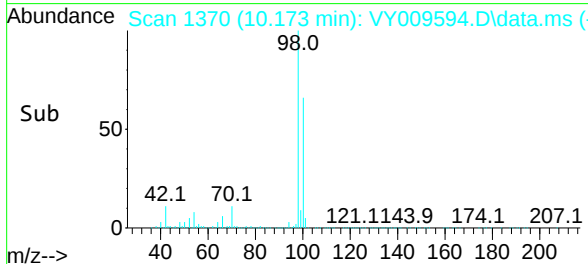
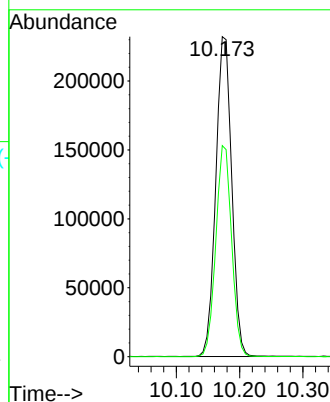
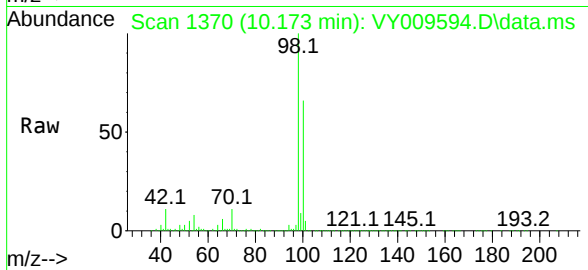




#50
Toluene-d8
Concen: 41.385 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

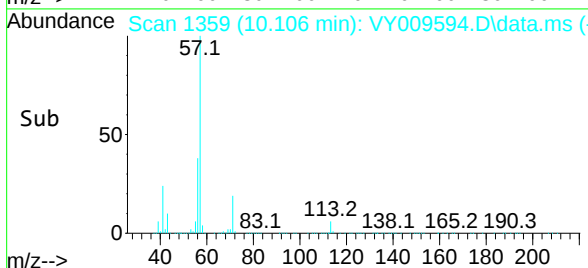
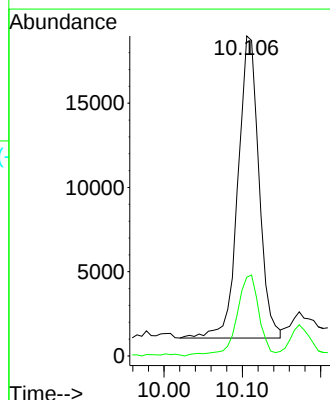
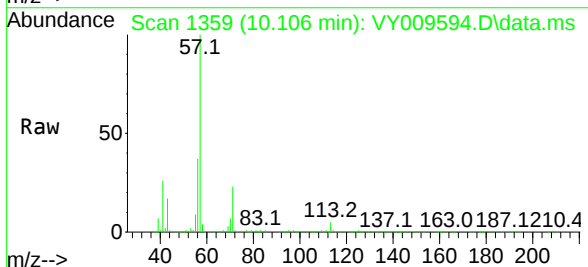
Instrument :
MSVOA_Y
ClientSampleId :
DUP-SED

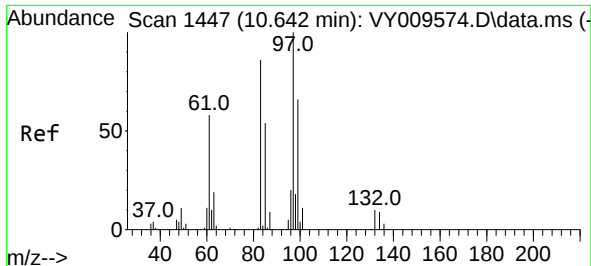
Tgt Ion: 98 Resp: 404625
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 16.800 ug/l
RT: 10.106 min Scan# 1359
Delta R.T. 0.043 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

Tgt Ion: 43 Resp: 33433
Ion Ratio Lower Upper
43 100
58 28.4 28.1 42.1





#55

1,1,2-Trichloroethane

Concen: 1.168 ug/l

RT: 10.618 min Scan# 1443

Delta R.T. -0.025 min

Lab File: VY009594.D

Acq: 19 Jul 2022 17:02

Instrument :

MSVOA_Y

ClientSampleId :

DUP-SED

Tgt Ion: 97 Resp: 2577

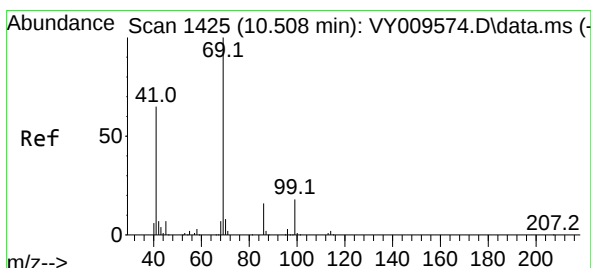
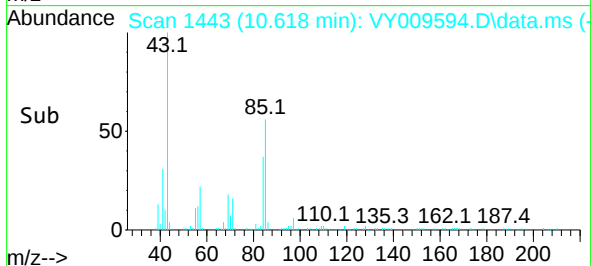
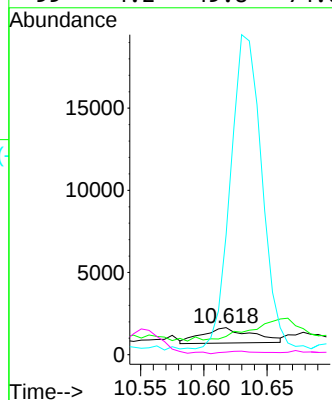
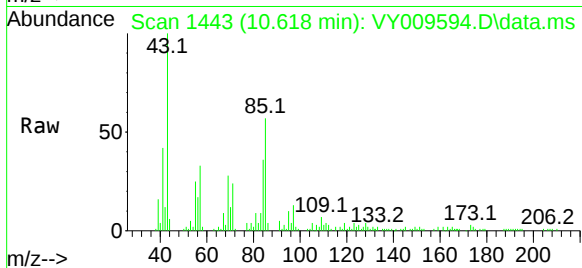
Ion Ratio Lower Upper

97 100

83 13.9 69.8 104.8#

85 863.5 44.3 66.5#

99 4.2 49.8 74.6#



#56

Ethyl methacrylate

Concen: 1.504 ug/l

RT: 10.477 min Scan# 1420

Delta R.T. -0.031 min

Lab File: VY009594.D

Acq: 19 Jul 2022 17:02

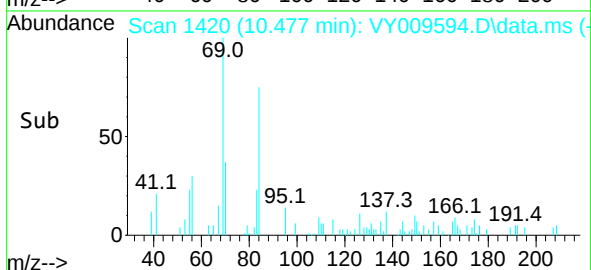
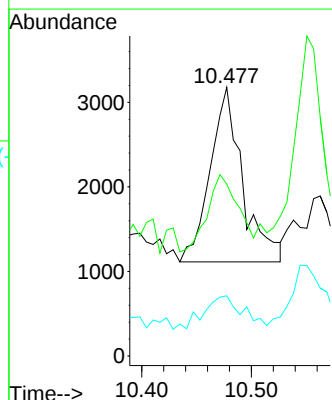
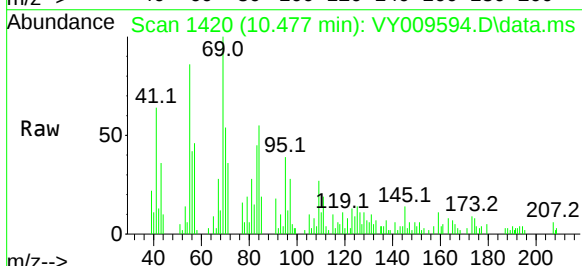
Tgt Ion: 69 Resp: 4247

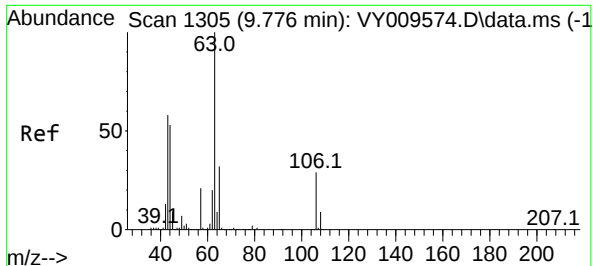
Ion Ratio Lower Upper

69 100

41 38.9 63.4 95.0#

39 23.4 35.8 53.8#

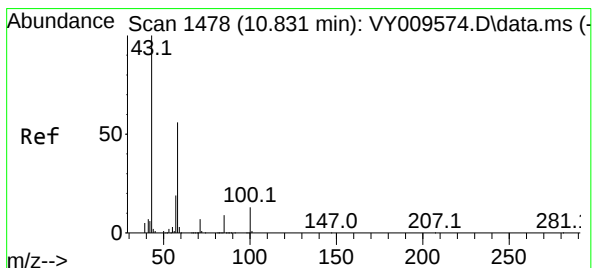
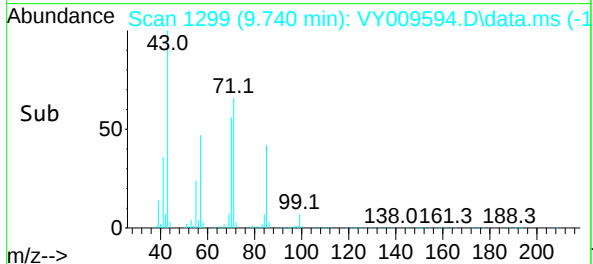
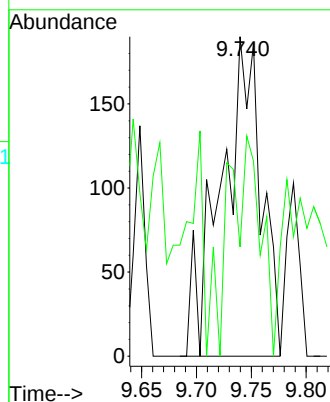
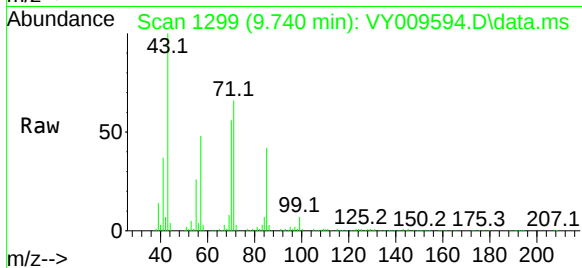




#58
2-Chloroethyl Vinyl ether
Concen: 28.562 ug/l
RT: 9.740 min Scan# 11
Delta R.T. -0.036 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

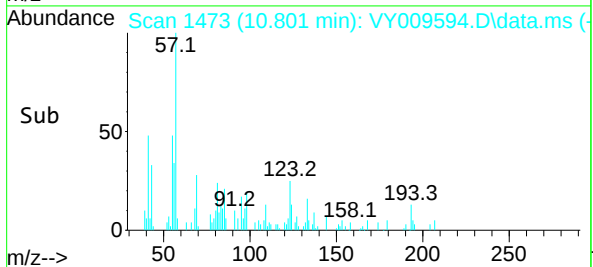
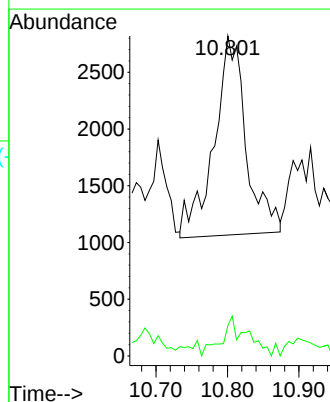
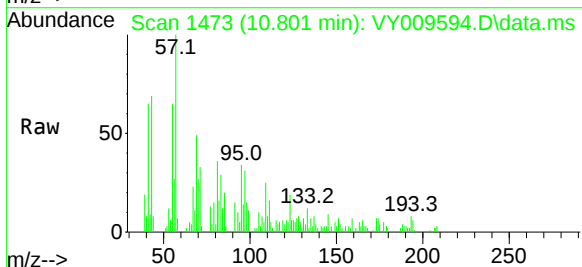
Instrument :
MSVOA_Y
ClientSampleId :
DUP-SED

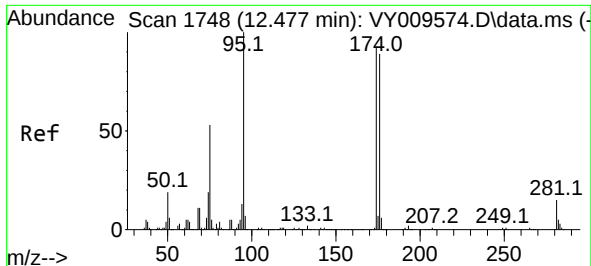
Tgt Ion: 63 Resp: 484
Ion Ratio Lower Upper
63 100
106 29.5 21.5 32.3



#59
2-Hexanone
Concen: 3.962 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

Tgt Ion: 43 Resp: 5484
Ion Ratio Lower Upper
43 100
58 11.3 24.4 73.4#

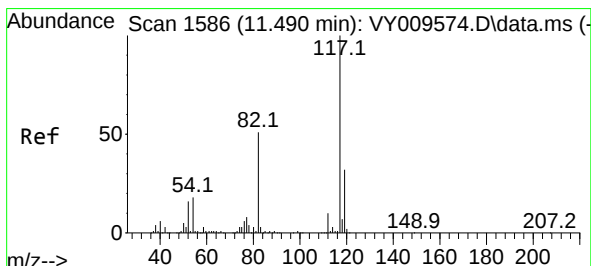
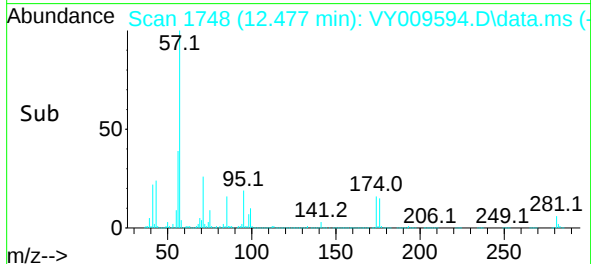
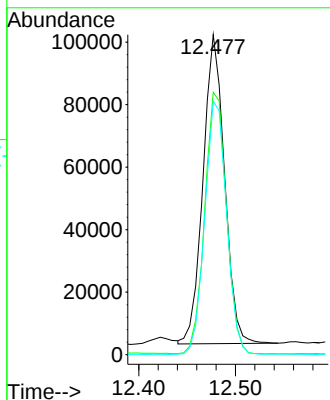
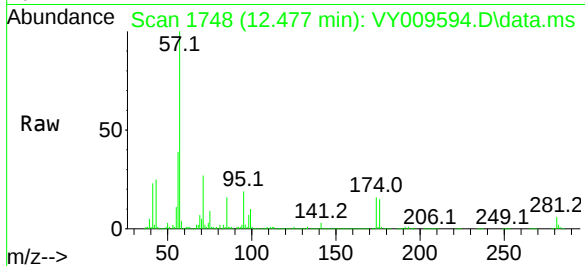




#62
4-Bromofluorobenzene
Concen: 48.108 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

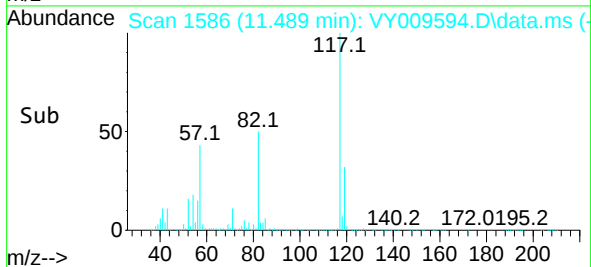
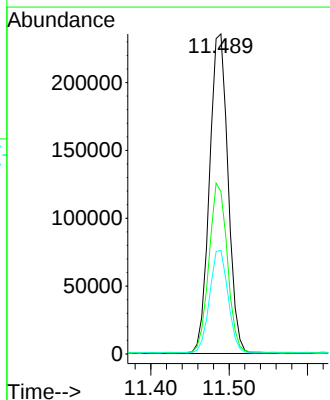
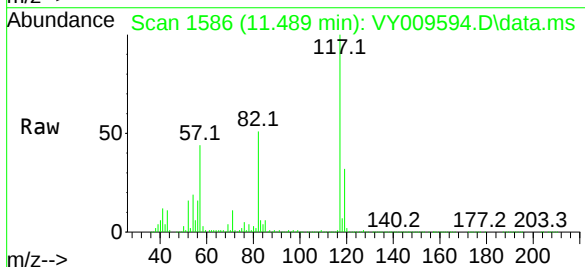
Instrument :
MSVOA_Y
ClientSampleId :
DUP-SED

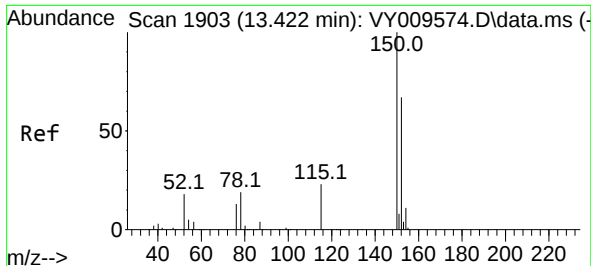
Tgt Ion: 95 Resp: 152410
Ion Ratio Lower Upper
95 100
174 85.8 0.0 177.0
176 83.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

Tgt Ion: 117 Resp: 386436
Ion Ratio Lower Upper
117 100
82 50.4 43.0 64.4
119 32.1 25.4 38.0

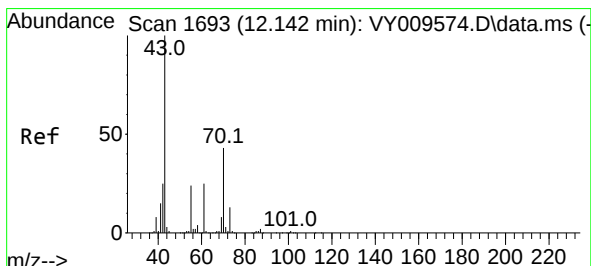
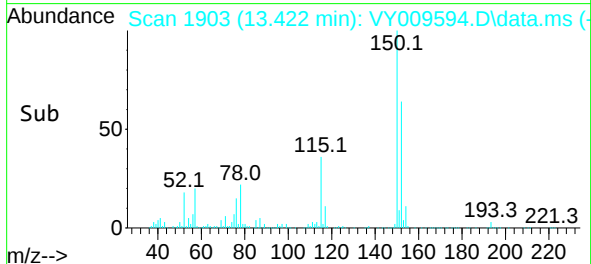
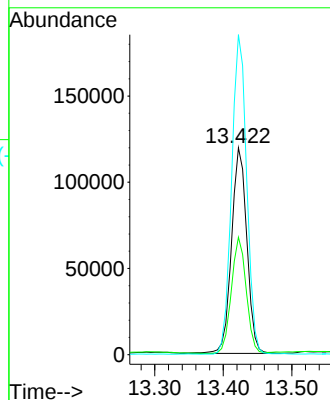
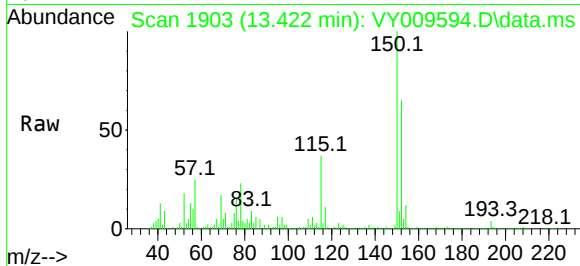




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

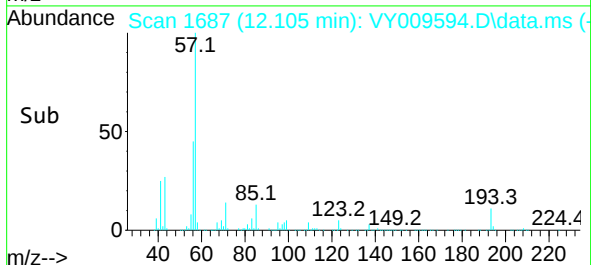
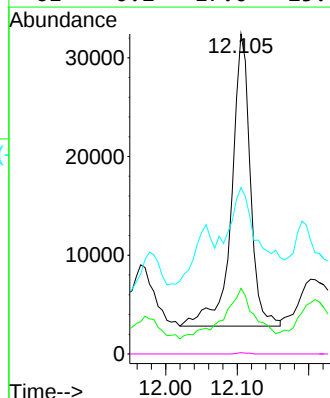
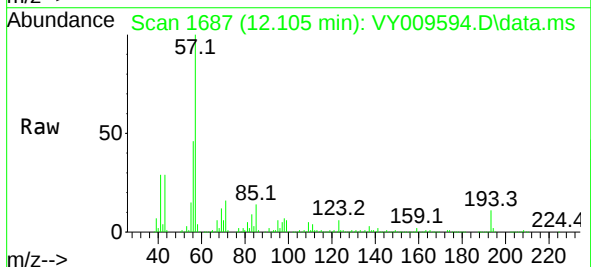
Instrument :
MSVOA_Y
ClientSampleId :
DUP-SED

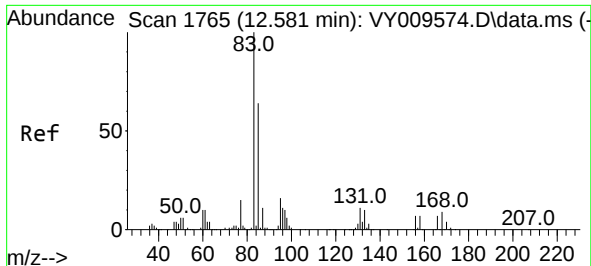
Tgt Ion:152 Resp: 185531
Ion Ratio Lower Upper
152 100
115 54.5 28.2 84.7
150 152.6 0.0 347.6



#74
N-ethyl acetate
Concen: 15.797 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.037 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

Tgt Ion: 43 Resp: 53968
Ion Ratio Lower Upper
43 100
70 28.5 28.7 43.1#
55 58.9 17.3 25.9#
61 0.2 17.0 25.6#

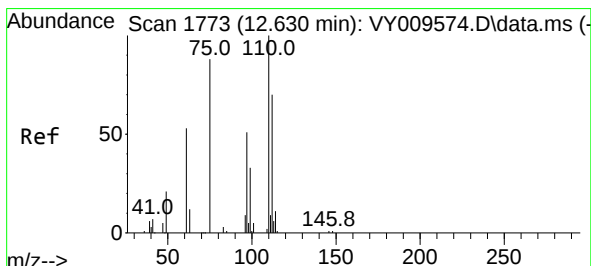
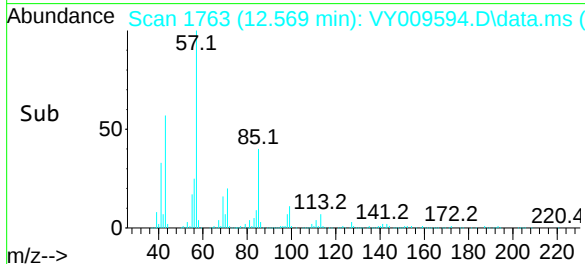
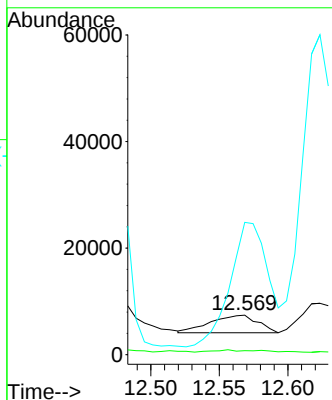
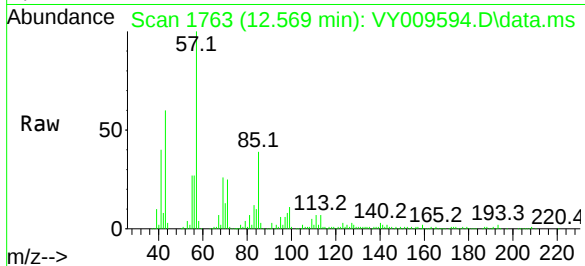




#75
1,1,2,2-Tetrachloroethane
Concen: 3.082 ug/l
RT: 12.569 min Scan# 1748
Delta R.T. -0.012 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

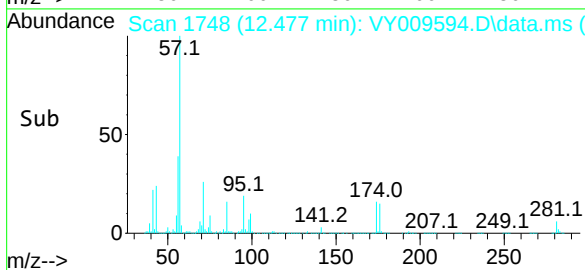
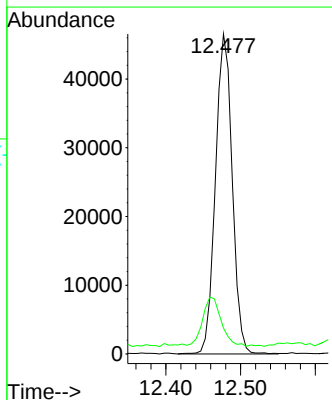
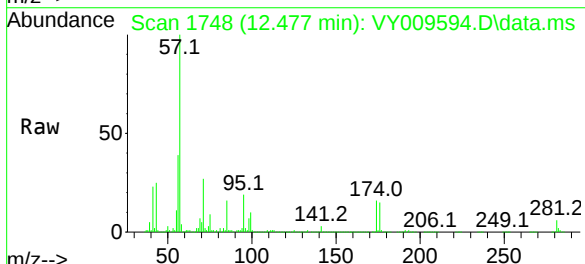
Instrument :
MSVOA_Y
ClientSampleId :
DUP-SED

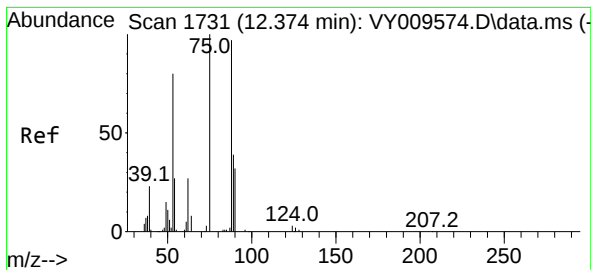
Tgt Ion: 83 Resp: 7929
Ion Ratio Lower Upper
83 100
131 7.8 5.6 16.8
85 567.6 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 41.164 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

Tgt Ion: 75 Resp: 72753
Ion Ratio Lower Upper
75 100
77 17.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 81.167 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY009594.D
Acq: 19 Jul 2022 17:02

Instrument :
MSVOA_Y
ClientSampleId :
DUP-SED

Tgt Ion: 75 Resp: 72753
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 1.3 37.0 55.4#

