

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013294.D
 Acq On : 13 Apr 2023 14:32
 Operator : KP/MD
 Sample : 02224-03
 Misc : 6.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-02

Quant Time: Apr 14 03:00:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	166036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	285243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	271896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122550	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	120836	60.558	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.120%
35) Dibromofluoromethane	7.710	113	101203	54.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.600%
50) Toluene-d8	10.173	98	354890	51.631	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.260%
62) 4-Bromofluorobenzene	12.477	95	112004	50.152	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.300%

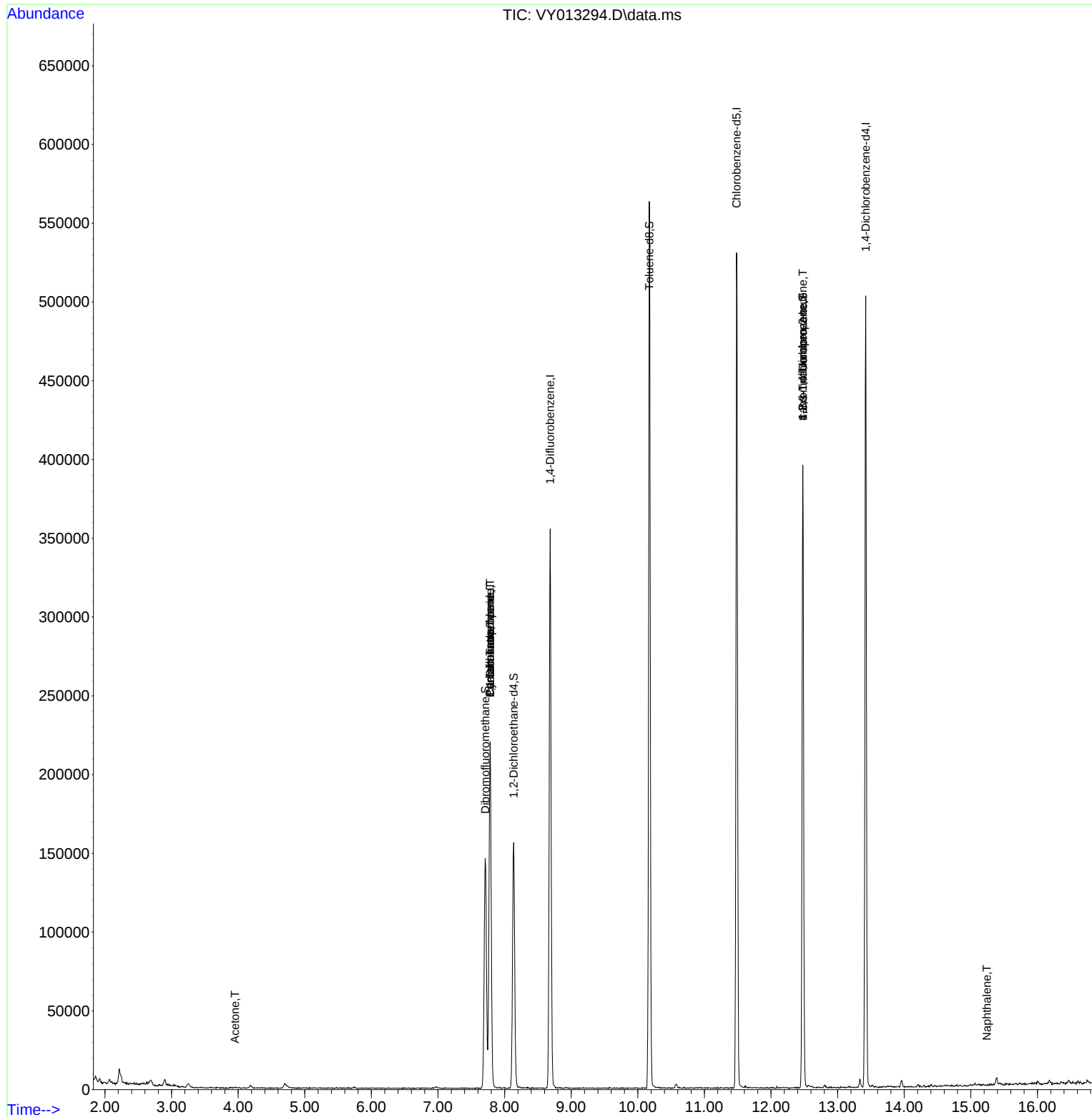
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.003	59	19	Below Cal	#	74
16) Acetone	3.954	43	960	1.399	ug/l #	48
20) Methylene Chloride	4.698	84	1206	Below Cal	#	85
31) Cyclohexane	7.783	56	4172	1.383	ug/l #	17
36) 1,1-Dichloropropene	7.783	75	13801	4.933	ug/l #	50
38) Carbon Tetrachloride	7.783	117	16525	5.342	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	59782	39.148	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59782	81.252	ug/l #	13
95) Naphthalene	15.239	128	397	3.273	ug/l #	79

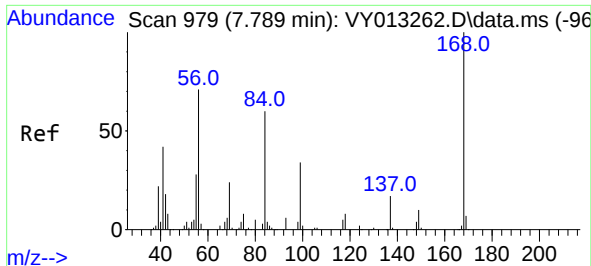
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 14 03:00:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration

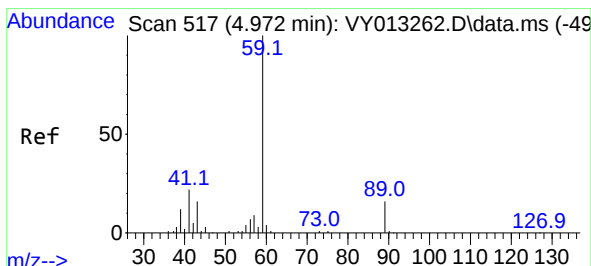
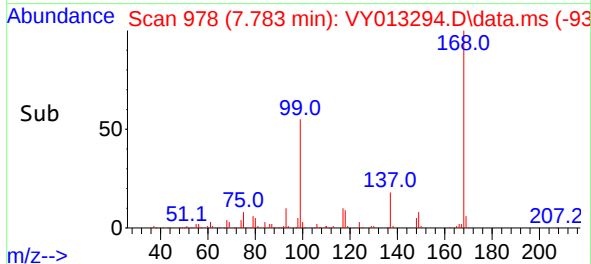
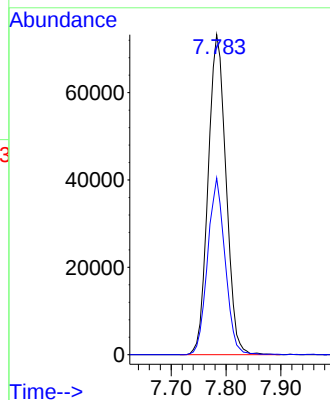
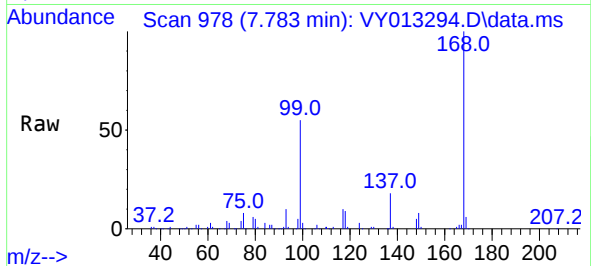




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

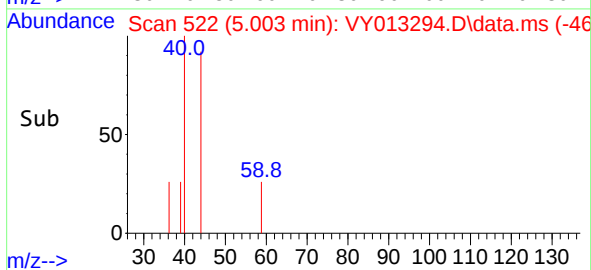
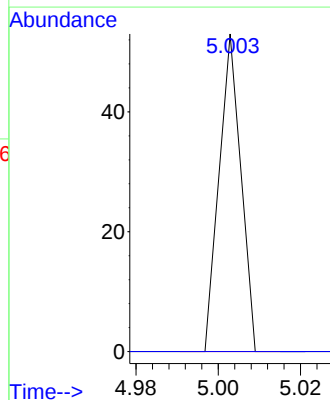
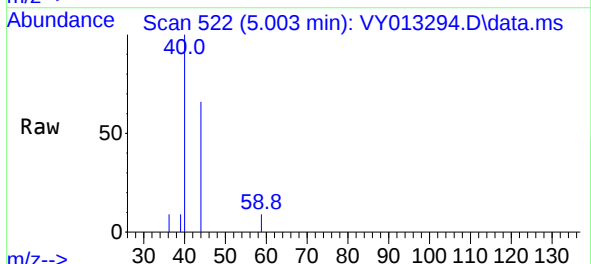
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-02

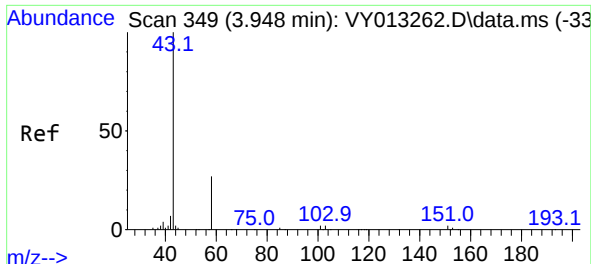
Tgt Ion:168 Resp: 166036
Ion Ratio Lower Upper
168 100
99 55.2 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.003 min Scan# 522
Delta R.T. 0.031 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

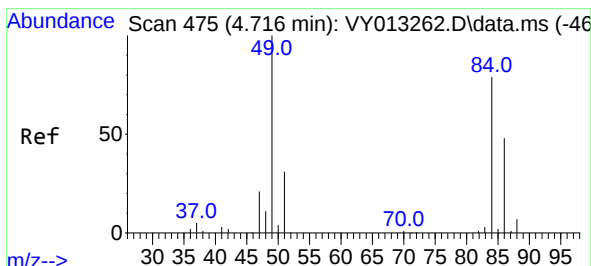
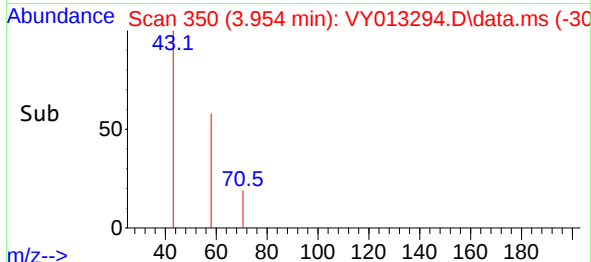
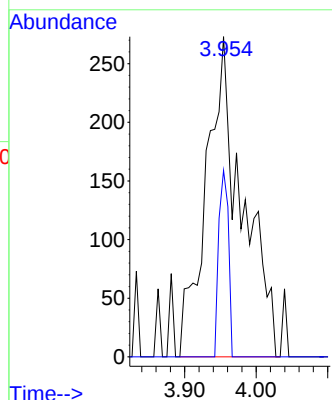
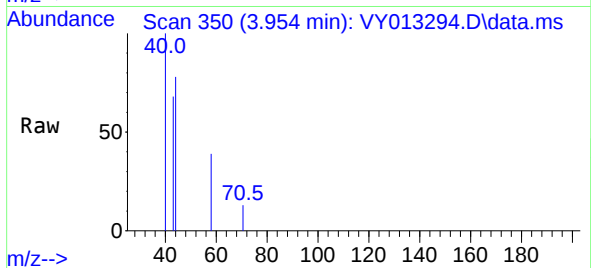




#16
Acetone
Concen: 1.399 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

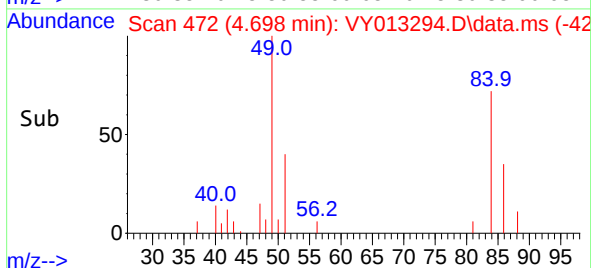
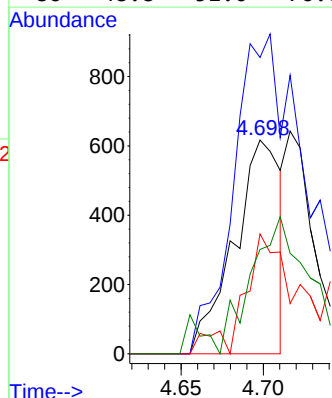
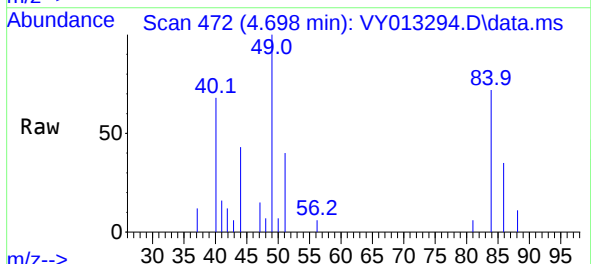
Instrument :
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ClientSampleId :
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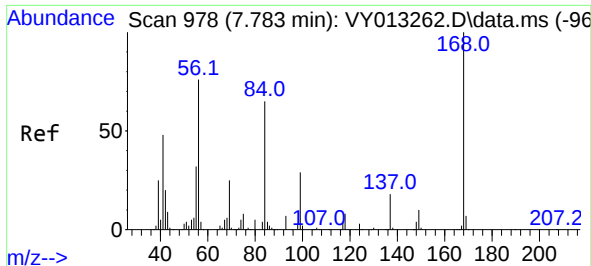
Tgt Ion: 43 Resp: 960
Ion Ratio Lower Upper
43 100
58 58.2 24.2 36.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.018 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

Tgt Ion: 84 Resp: 1206
Ion Ratio Lower Upper
84 100
49 138.6 102.6 154.0
51 56.1 31.9 47.9#
86 48.8 51.0 76.6#

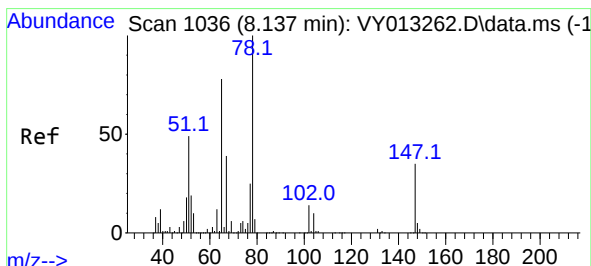
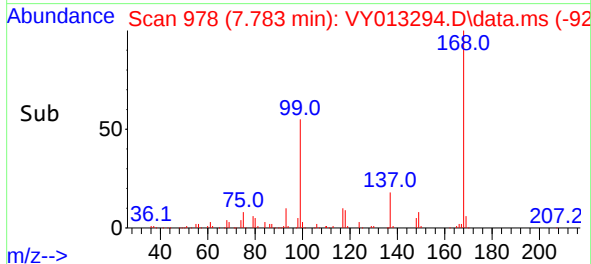
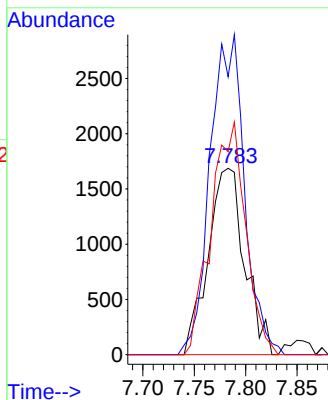
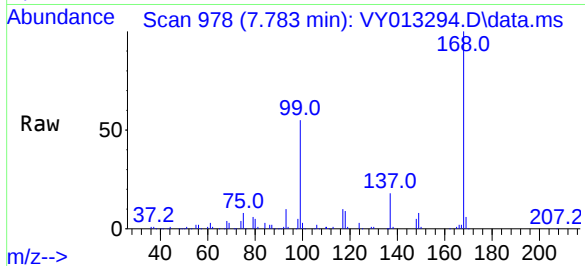




#31
Cyclohexane
Concen: 1.383 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

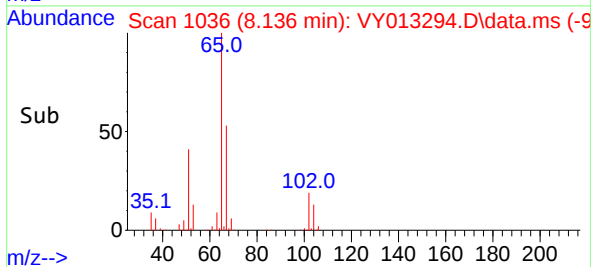
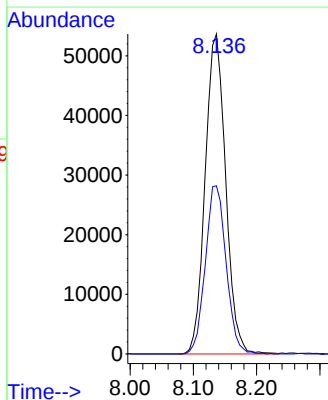
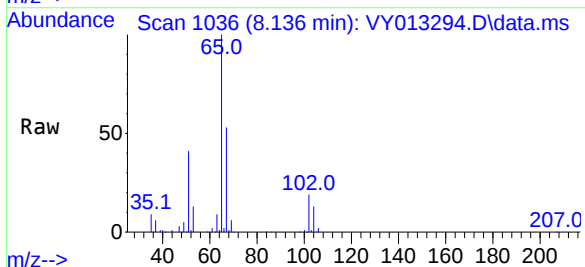
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-02

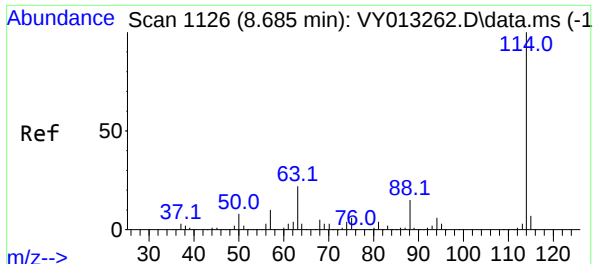
Tgt Ion: 56 Resp: 4172
Ion Ratio Lower Upper
56 100
69 149.1 25.7 38.5#
84 109.0 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 60.558 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

Tgt Ion: 65 Resp: 120836
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.0

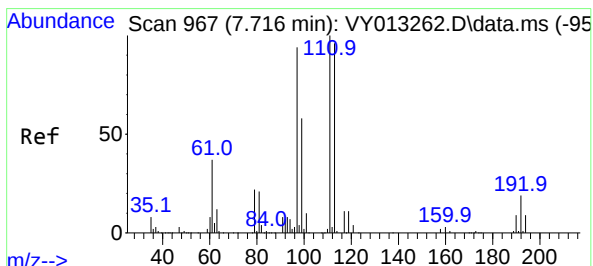
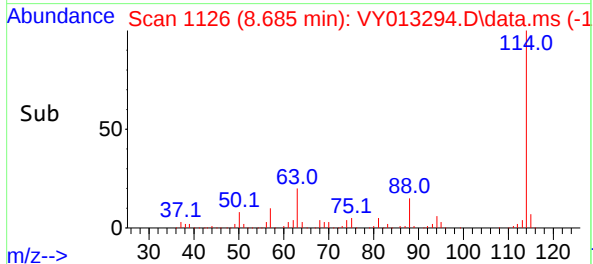
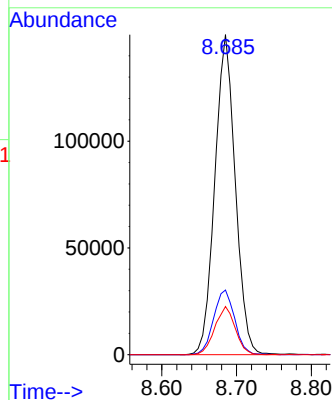
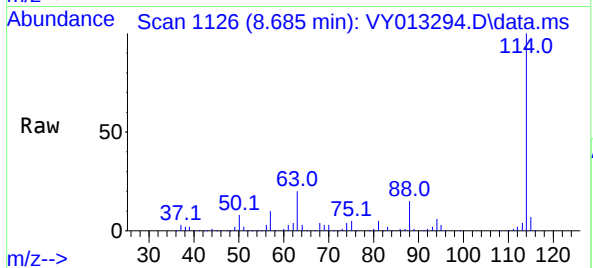




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

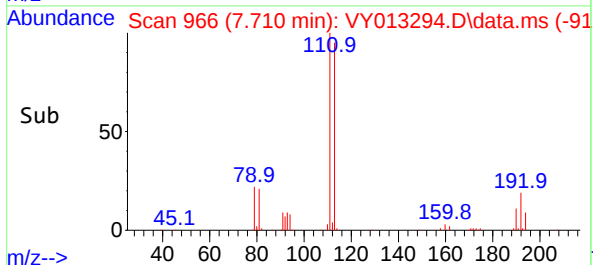
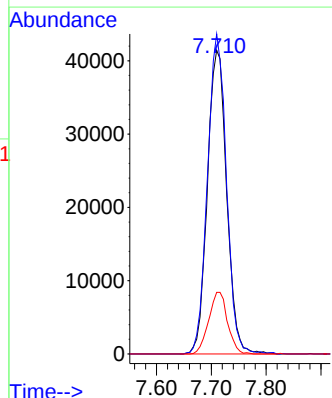
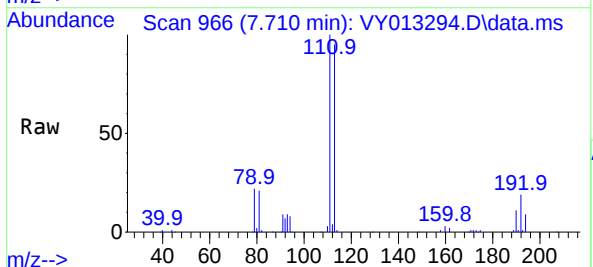
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-02

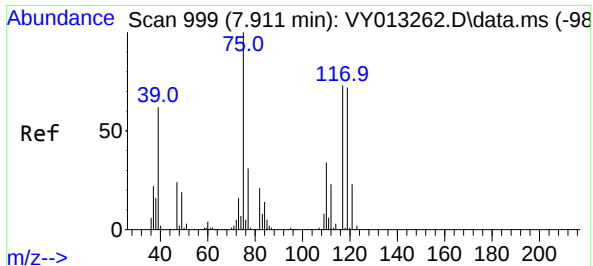
Tgt Ion:114 Resp: 285243
Ion Ratio Lower Upper
114 100
63 20.2 0.0 37.4
88 15.1 0.0 28.6



#35
Dibromofluoromethane
Concen: 54.804 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

Tgt Ion:113 Resp: 101203
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 19.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.933 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013294.D

Acq: 13 Apr 2023 14:32

Instrument :

MSVOA_Y

ClientSampleId :

OU3-FC-BACKFILL-02

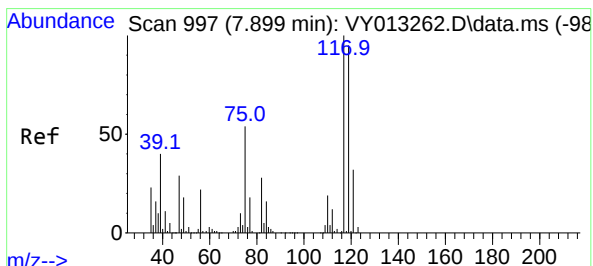
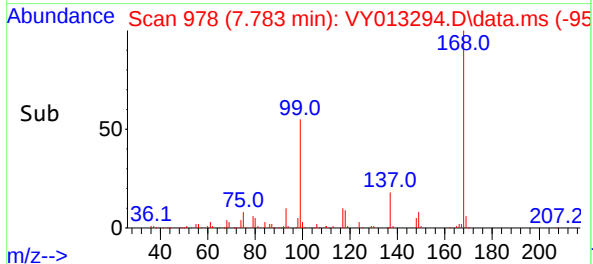
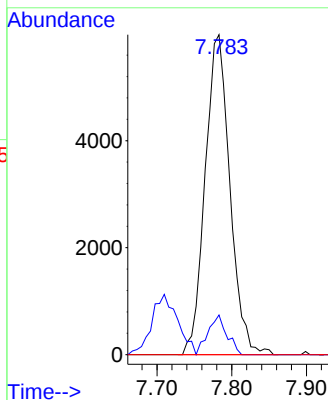
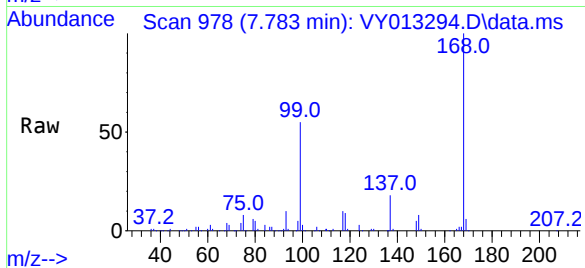
Tgt Ion: 75 Resp: 13801

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.342 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013294.D

Acq: 13 Apr 2023 14:32

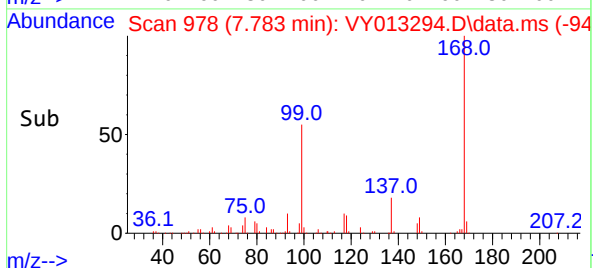
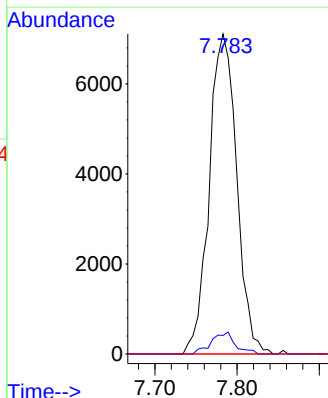
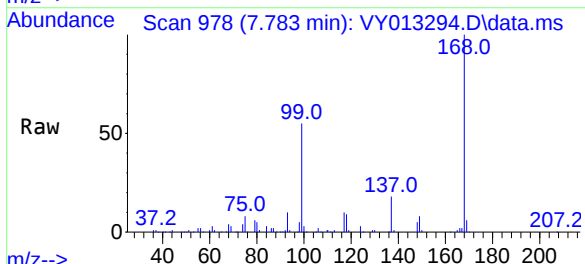
Tgt Ion: 117 Resp: 16525

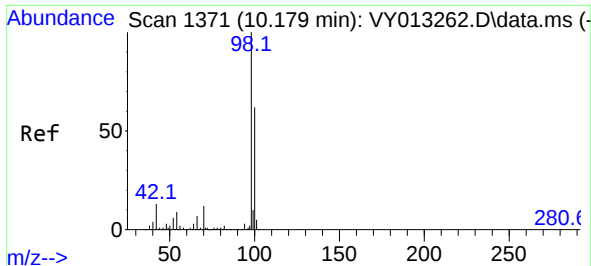
Ion Ratio Lower Upper

117 100

119 5.8 77.2 115.8#

121 0.0 24.7 37.1#

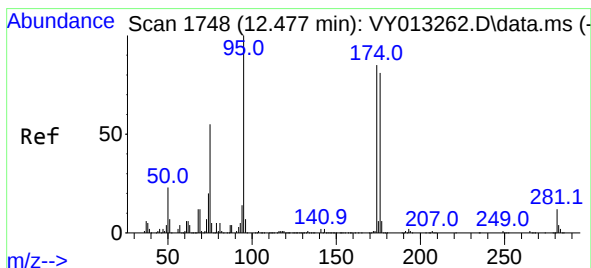
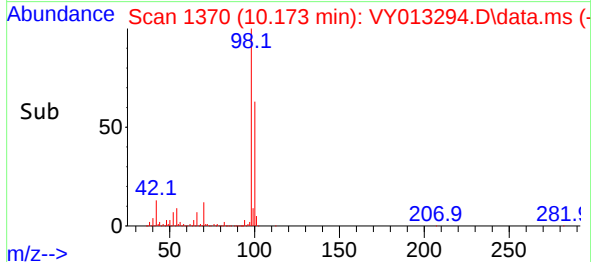
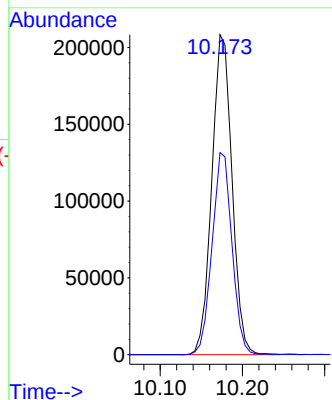
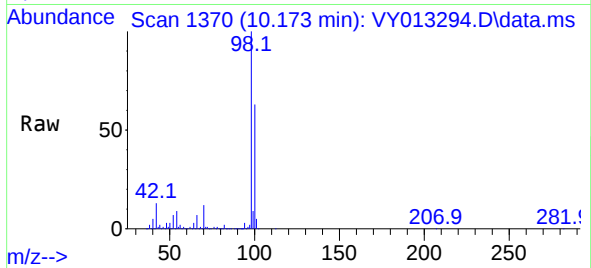




#50
Toluene-d8
Concen: 51.631 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

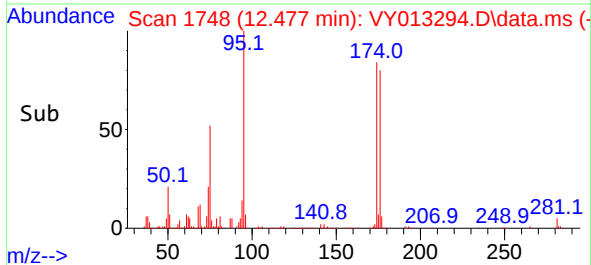
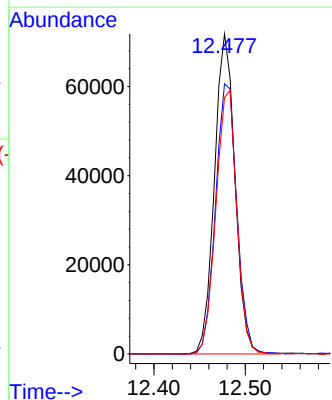
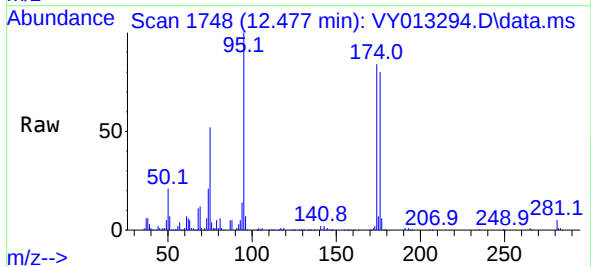
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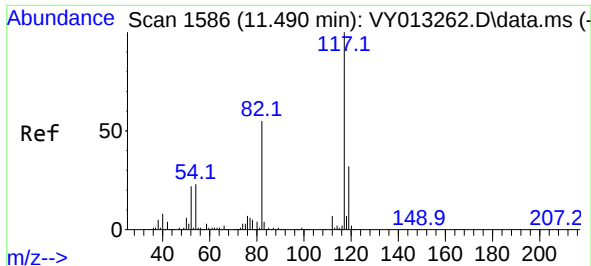
Tgt Ion: 98 Resp: 354890
Ion Ratio Lower Upper
98 100
100 62.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 50.152 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

Tgt Ion: 95 Resp: 112004
Ion Ratio Lower Upper
95 100
174 88.0 0.0 176.6
176 83.9 0.0 170.2

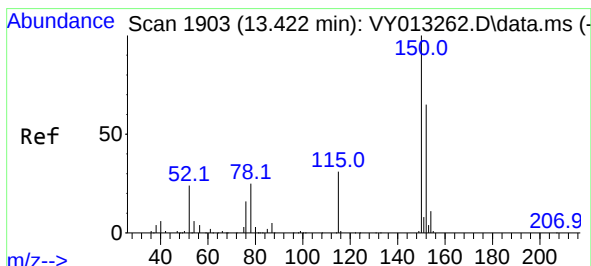
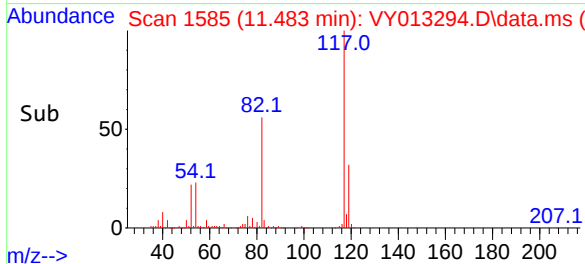
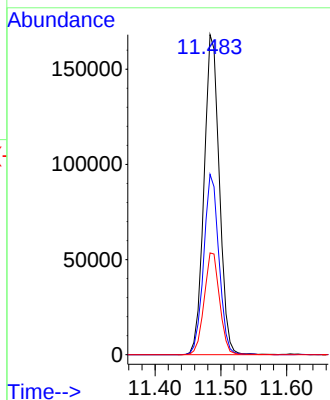
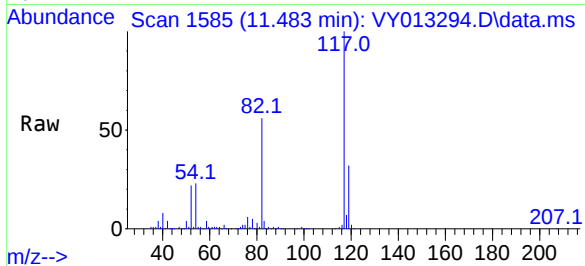




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

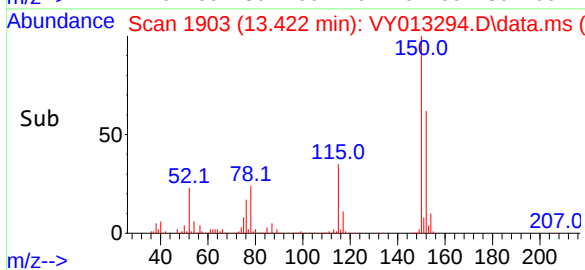
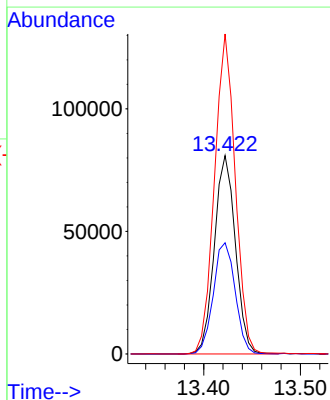
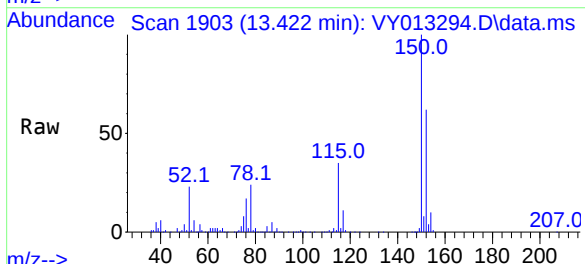
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-02

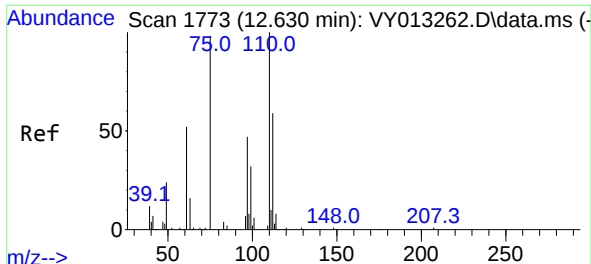
Tgt Ion:117 Resp: 271896
Ion Ratio Lower Upper
117 100
82 56.3 45.4 68.0
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

Tgt Ion:152 Resp: 122550
Ion Ratio Lower Upper
152 100
115 58.3 27.1 81.3
150 159.2 0.0 347.8

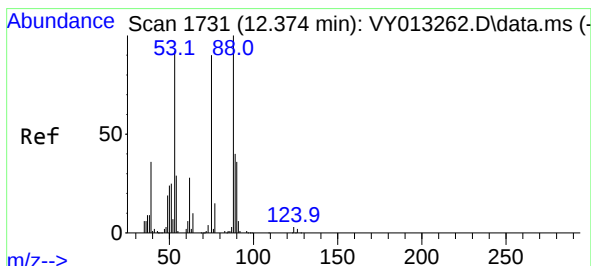
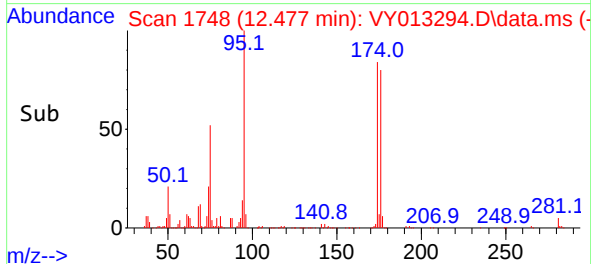
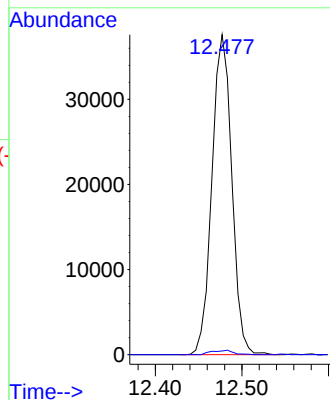
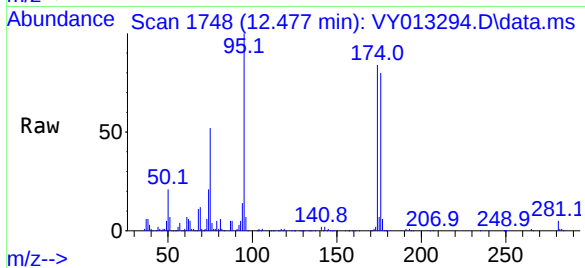




#76
1,2,3-Trichloropropane
Concen: 39.148 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

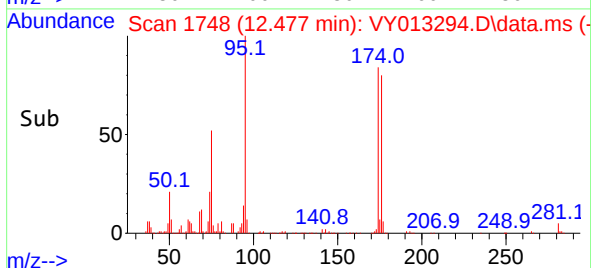
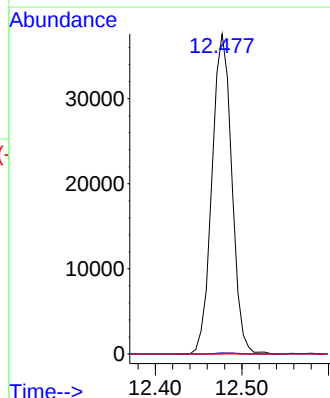
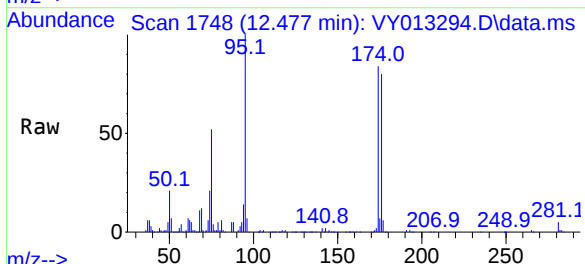
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-02

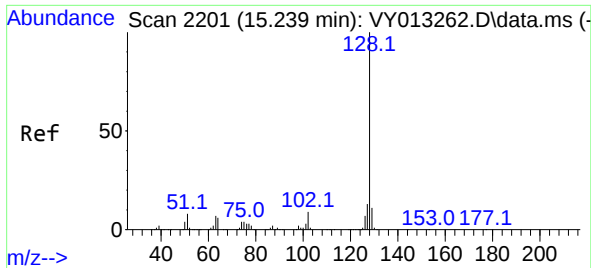
Tgt Ion: 75 Resp: 59782
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.252 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

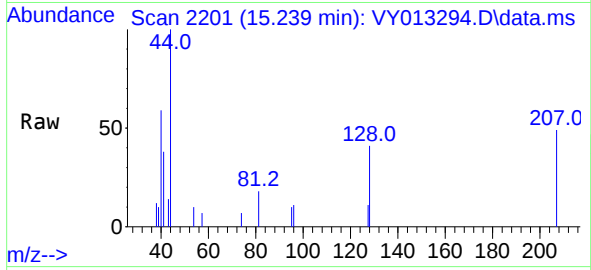
Tgt Ion: 75 Resp: 59782
Ion Ratio Lower Upper
75 100
53 0.3 73.4 110.0#
89 0.1 36.6 55.0#





#95
Naphthalene
Concen: 3.273 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013294.D
Acq: 13 Apr 2023 14:32

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-02



Tgt Ion:	128	Resp:	397
Ion	Ratio	Lower	Upper
128	100		
127	7.3	10.3	15.5#
129	0.0	8.6	13.0#

