

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021379.D
 Acq On : 28 Feb 2025 12:56
 Operator : SY/MD
 Sample : Q1421-07
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-CLAY-CF01-02RE

Quant Time: Mar 03 00:25:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

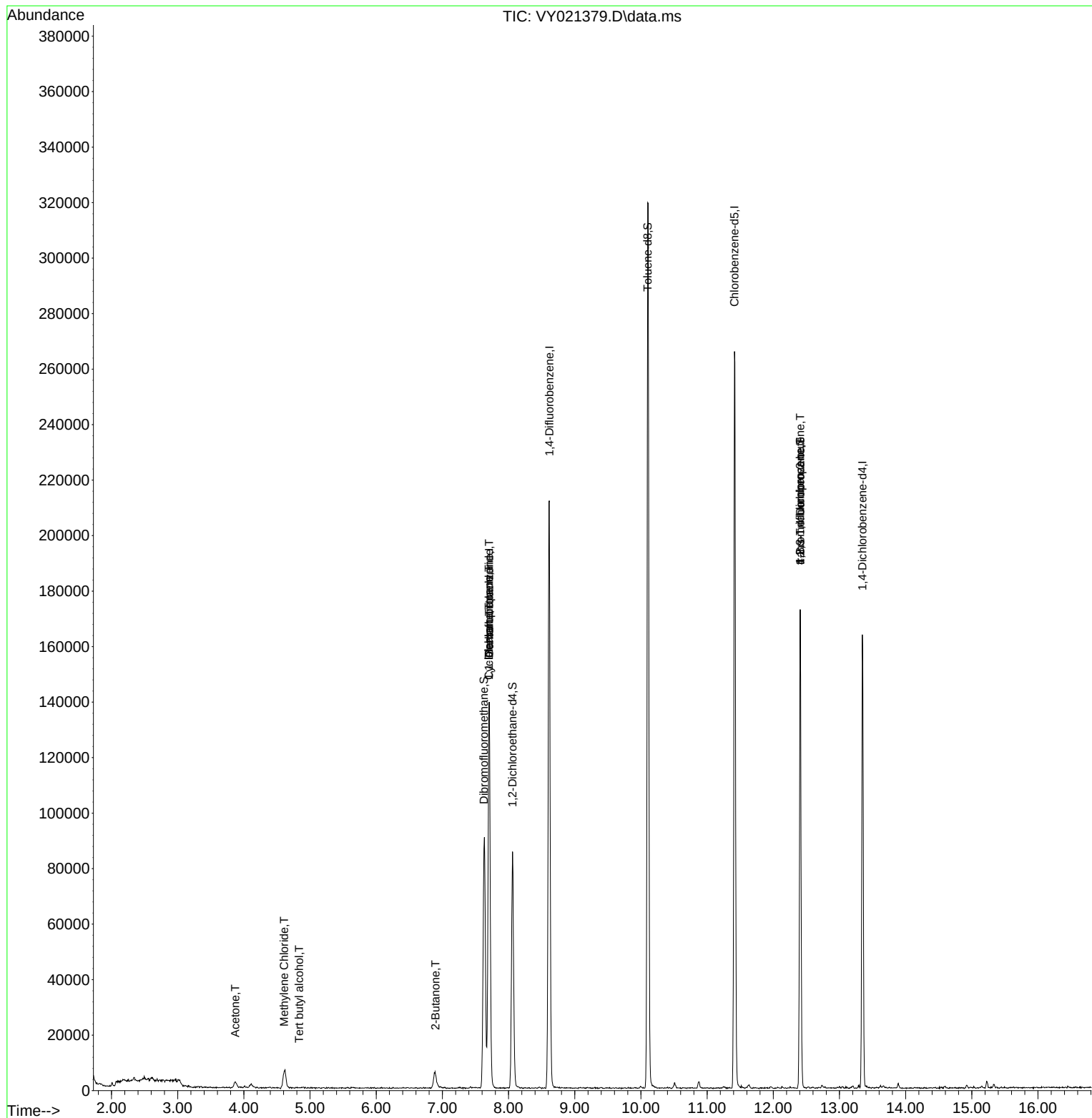
Internal Standards						
1) Pentafluorobenzene	7.707	168	106394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	179401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	142440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	40324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	66950	55.471	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.940%
35) Dibromofluoromethane	7.628	113	63826	54.266	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.540%
50) Toluene-d8	10.103	98	210035	46.207	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.420%
62) 4-Bromofluorobenzene	12.407	95	48798	31.899	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.800%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.835	59	336	3.619	ug/l #	72
16) Acetone	3.872	43	3847	16.616	ug/l	98
20) Methylene Chloride	4.610	84	4866	3.887	ug/l #	84
25) 2-Butanone	6.896	43	507	1.451	ug/l #	52
31) Cyclohexane	7.701	56	2449	1.151	ug/l #	41
36) 1,1-Dichloropropene	7.701	75	8686	4.916	ug/l #	51
38) Carbon Tetrachloride	7.707	117	10645	5.359	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	26865	66.560	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	26865	147.939	ug/l #	10

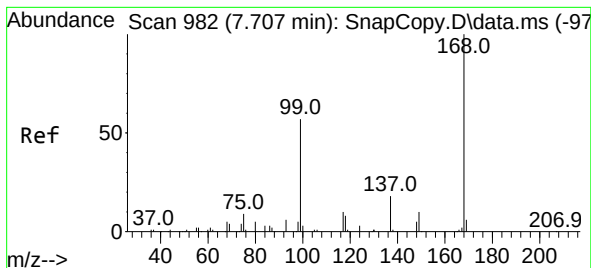
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021379.D

Acq: 28 Feb 2025 12:56

Instrument :

MSVOA_Y

ClientSampleId :

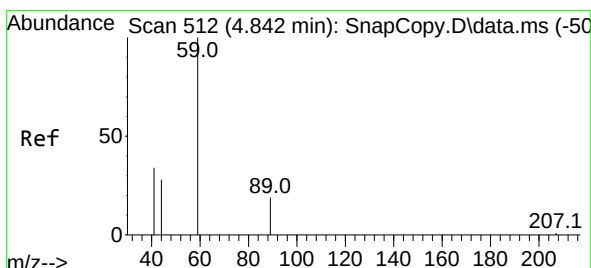
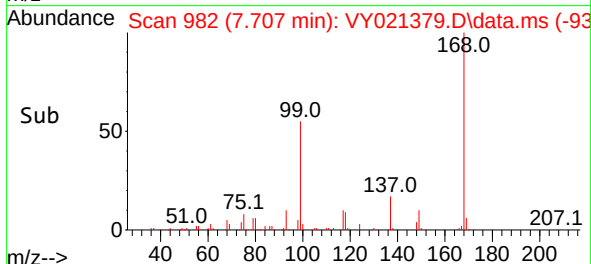
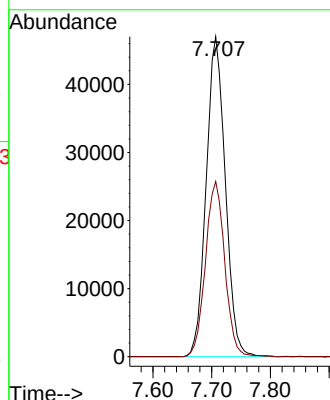
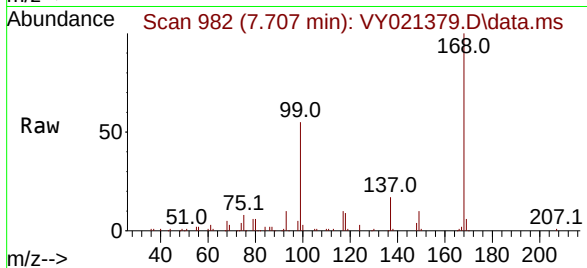
P001-CLAY-CF01-02RE

Tgt Ion:168 Resp: 106394

Ion Ratio Lower Upper

168 100

99 54.8 47.1 70.7



#11

Tert butyl alcohol

Concen: 3.619 ug/l

RT: 4.835 min Scan# 511

Delta R.T. -0.019 min

Lab File: VY021379.D

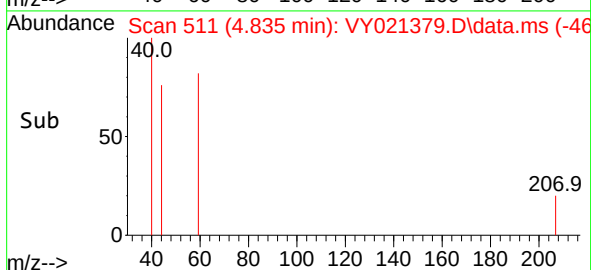
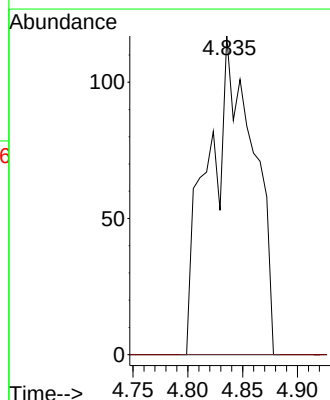
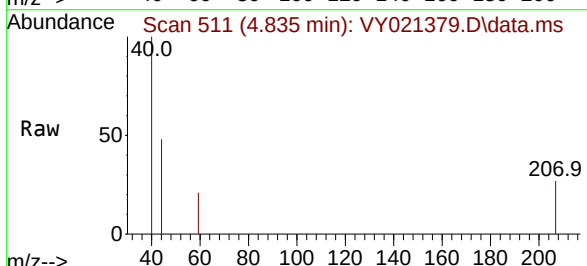
Acq: 28 Feb 2025 12:56

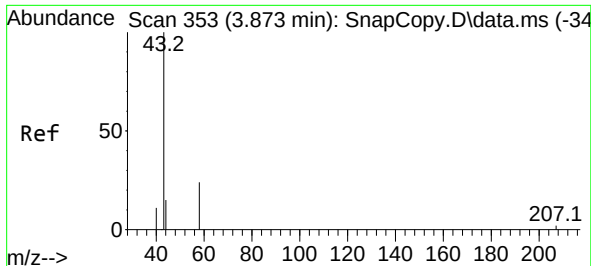
Tgt Ion: 59 Resp: 336

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

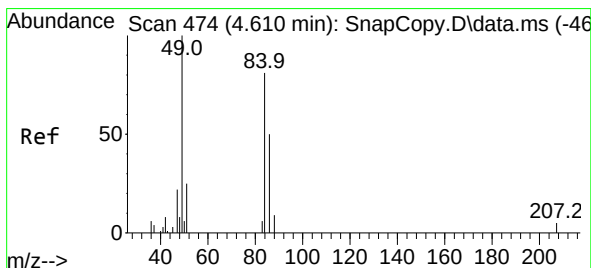
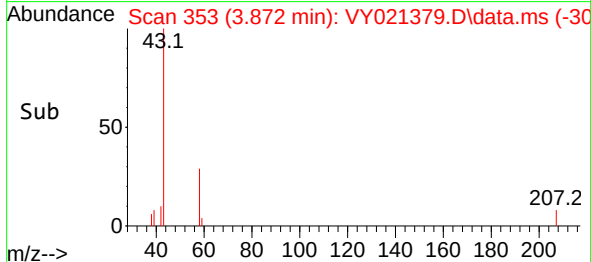
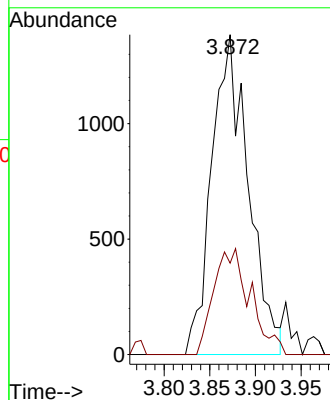
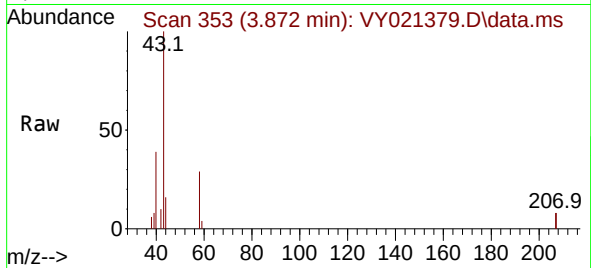




#16
Acetone
Concen: 16.616 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

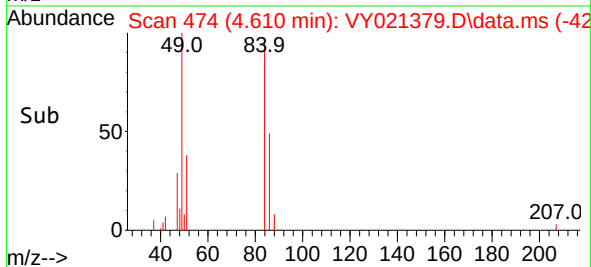
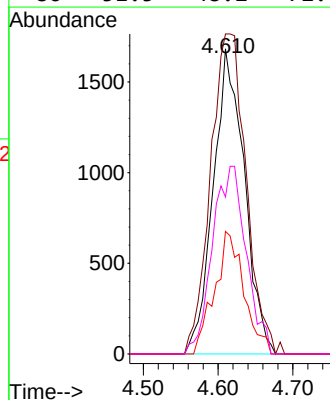
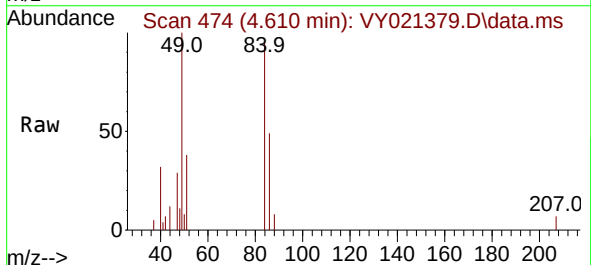
Instrument :
MSVOA_Y
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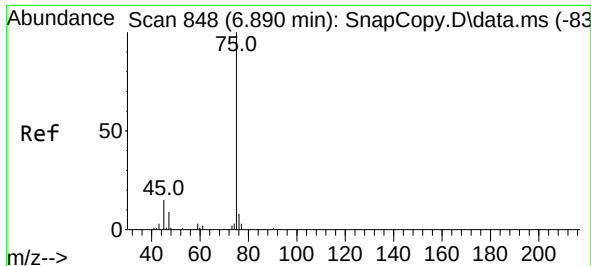
Tgt Ion: 43 Resp: 3847
Ion Ratio Lower Upper
43 100
58 28.6 23.5 35.3



#20
Methylene Chloride
Concen: 3.887 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Tgt Ion: 84 Resp: 4866
Ion Ratio Lower Upper
84 100
49 104.9 105.1 157.7#
51 40.2 31.0 46.4
86 51.5 48.2 72.4

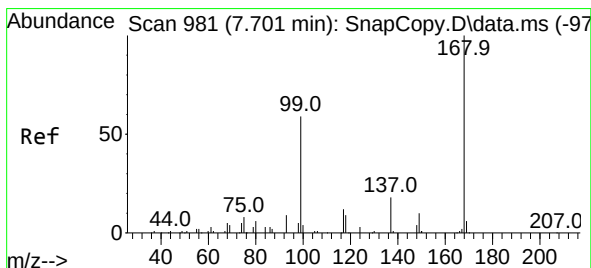
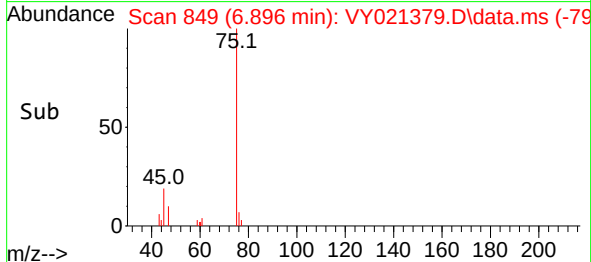
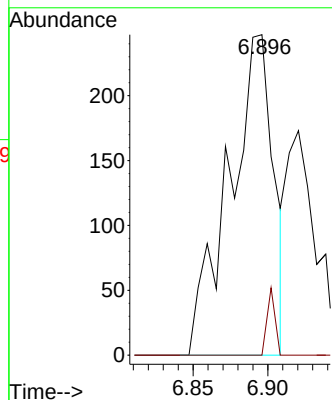
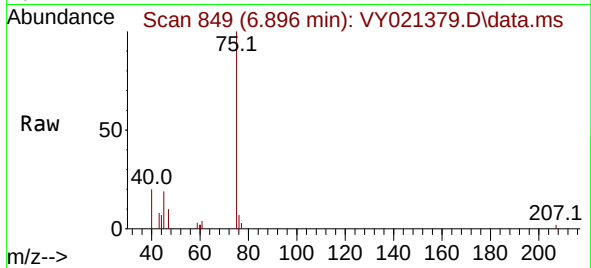




#25
2-Butanone
Concen: 1.451 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

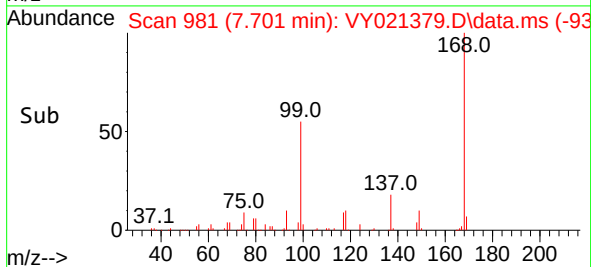
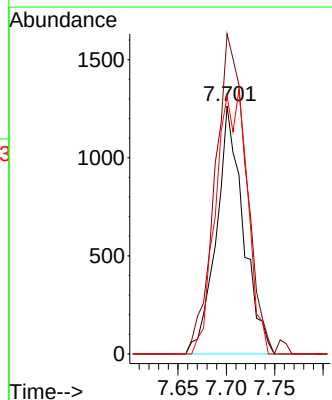
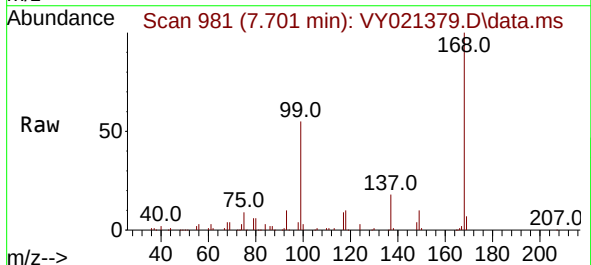
Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF01-02RE

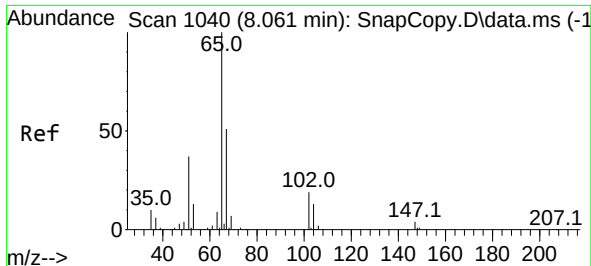
Tgt Ion: 43 Resp: 507
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Tgt Ion: 56 Resp: 2449
Ion Ratio Lower Upper
56 100
69 129.0 26.2 39.4#
84 104.0 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 55.471 ug/l

RT: 8.060 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY021379.D

Acq: 28 Feb 2025 12:56

Instrument :

MSVOA_Y

ClientSampleId :

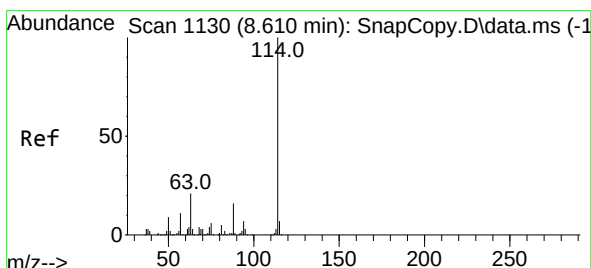
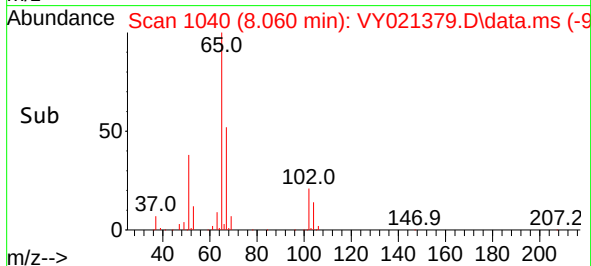
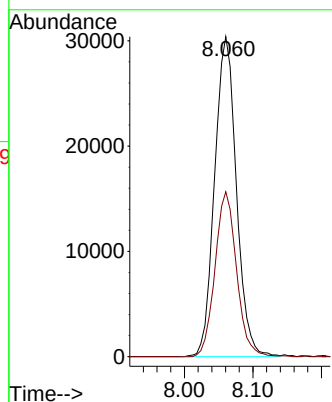
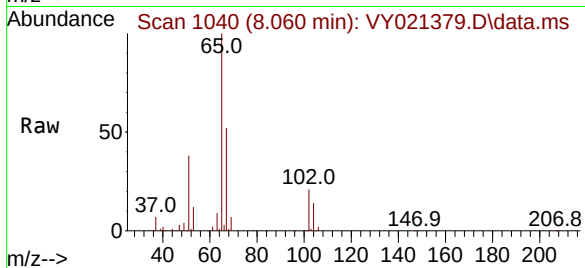
P001-CLAY-CF01-02RE

Tgt Ion: 65 Resp: 66950

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021379.D

Acq: 28 Feb 2025 12:56

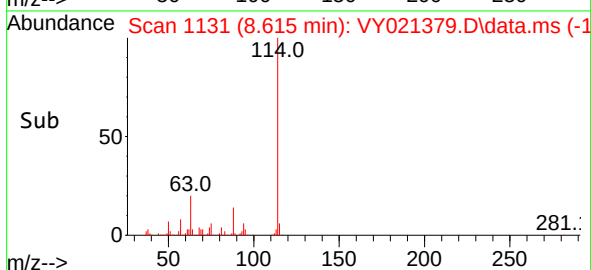
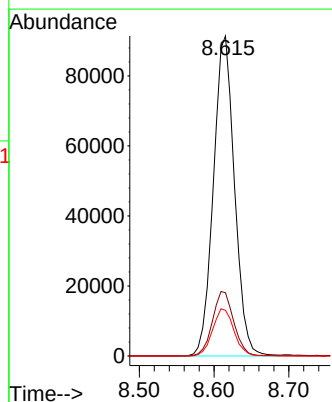
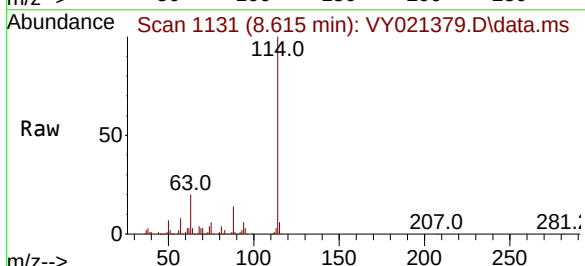
Tgt Ion:114 Resp: 179401

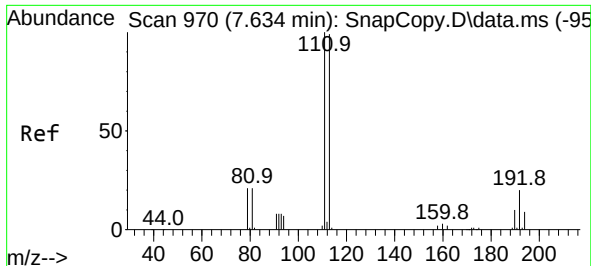
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.2

88 14.3 0.0 29.8

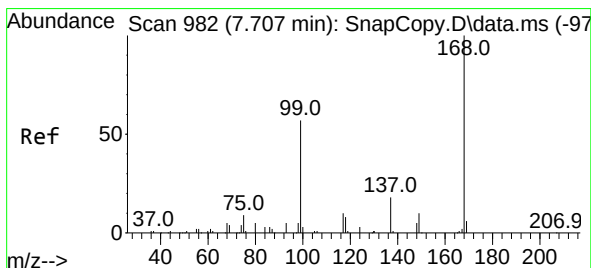
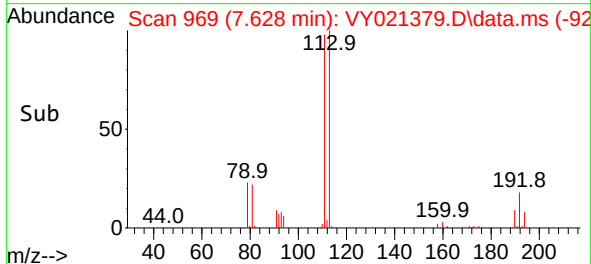
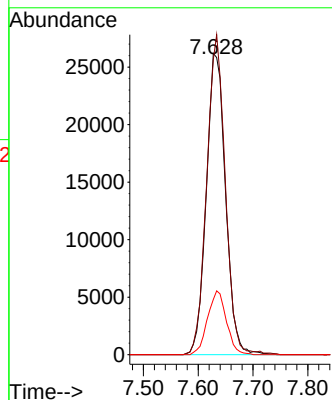
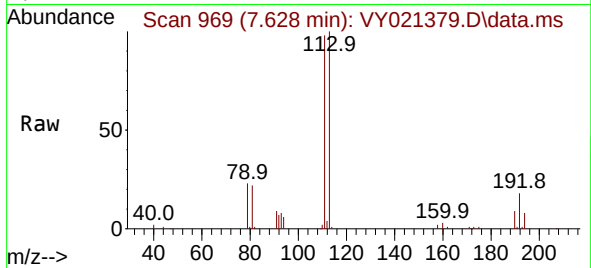




#35
Dibromofluoromethane
Concen: 54.266 ug/l
RT: 7.628 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

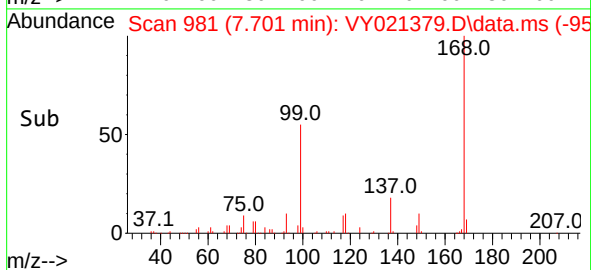
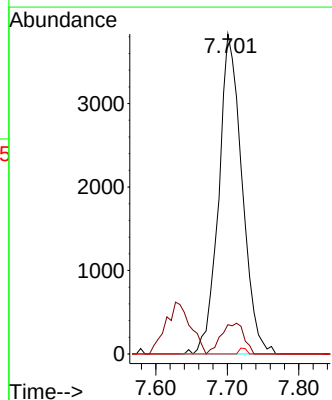
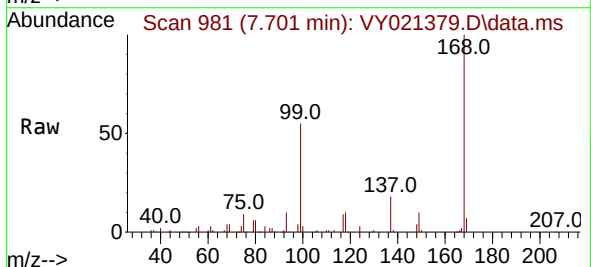
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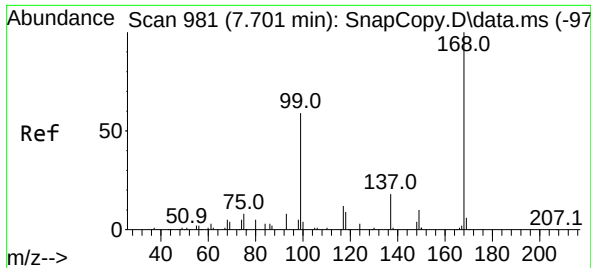
Tgt Ion:113 Resp: 63826
Ion Ratio Lower Upper
113 100
111 102.6 81.0 121.6
192 20.7 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.916 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Tgt Ion: 75 Resp: 8686
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.7#
77 0.6 24.6 36.8#

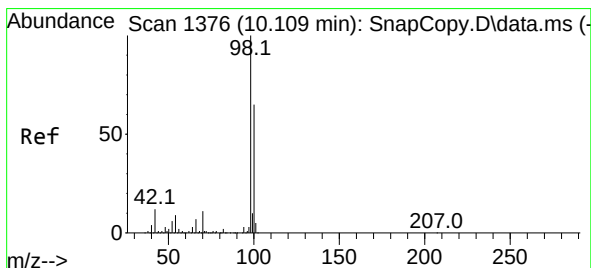
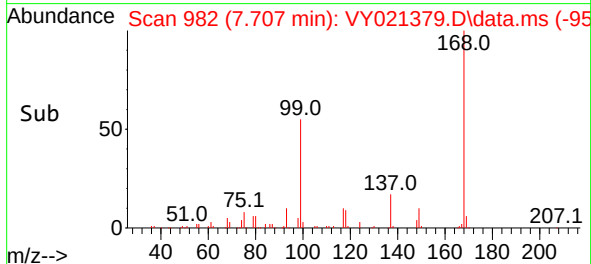
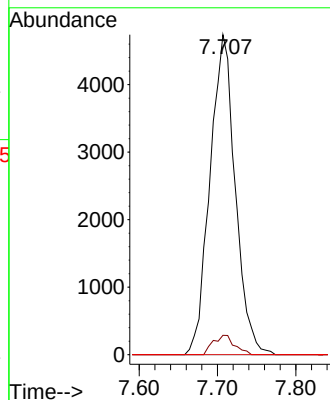
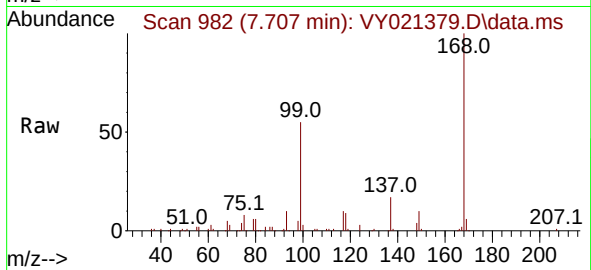




#38
Carbon Tetrachloride
Concen: 5.359 ug/l
RT: 7.707 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

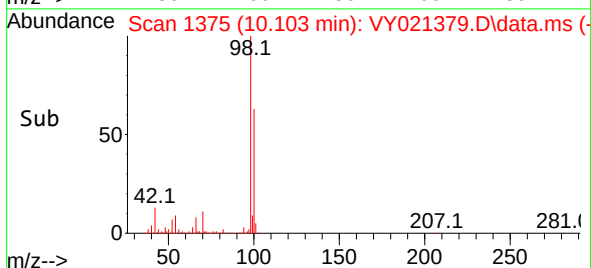
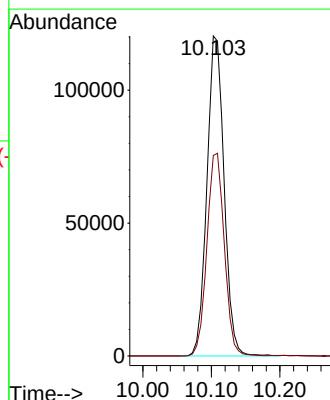
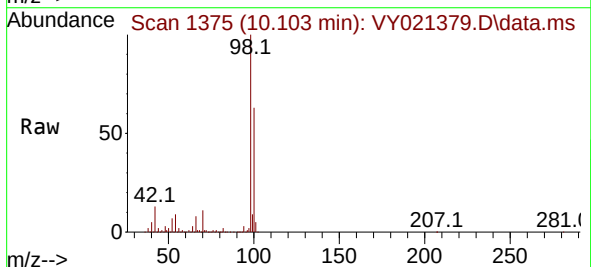
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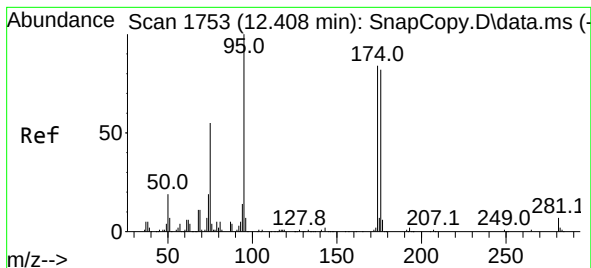
Tgt Ion:117 Resp: 10645
Ion Ratio Lower Upper
117 100
119 6.0 76.0 114.0#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 46.207 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Tgt Ion: 98 Resp: 210035
Ion Ratio Lower Upper
98 100
100 64.2 52.4 78.6

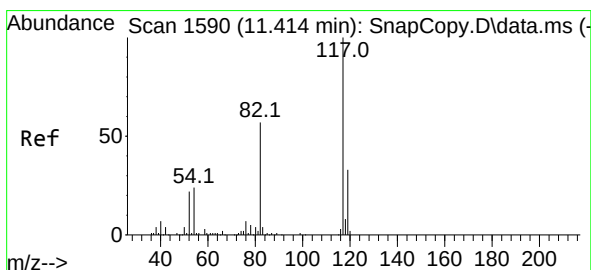
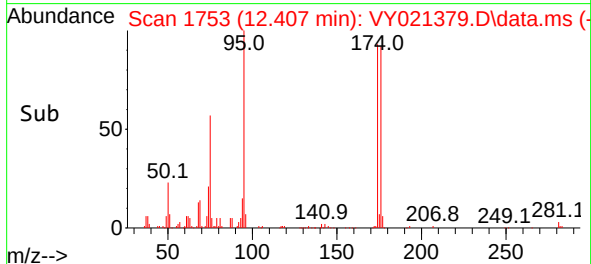
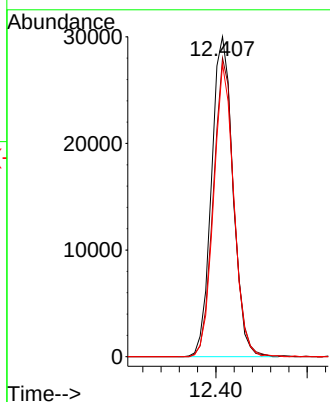
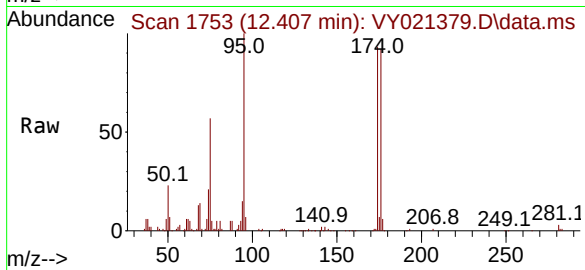




#62
4-Bromofluorobenzene
Concen: 31.899 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

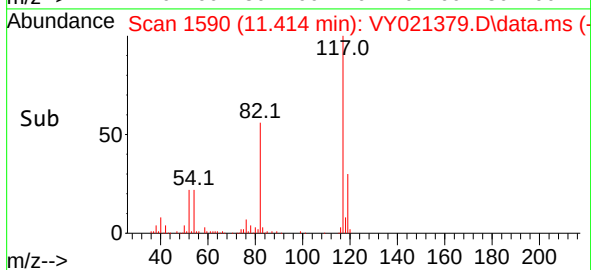
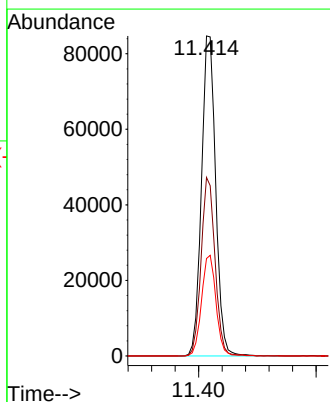
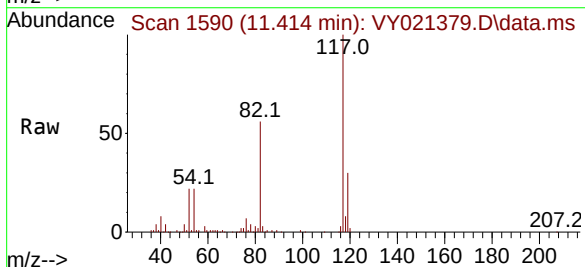
Instrument :
MSVOA_Y
ClientSampleId :
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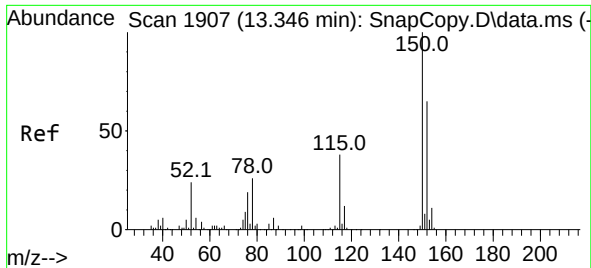
Tgt Ion:	95	Resp:	48798
Ion Ratio	Lower	Upper	
95	100		
174	89.7	0.0	168.0
176	86.1	0.0	162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021379.D
Acq: 28 Feb 2025 12:56

Tgt Ion:	117	Resp:	142440
Ion Ratio	Lower	Upper	
117	100		
82	55.8	46.2	69.4
119	30.5	24.9	37.3

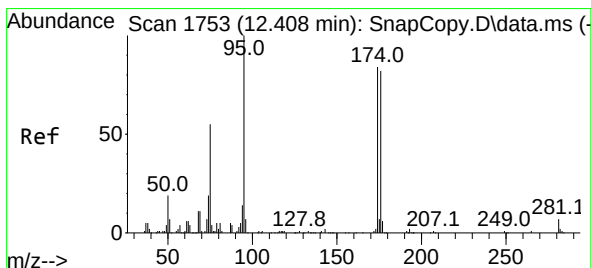
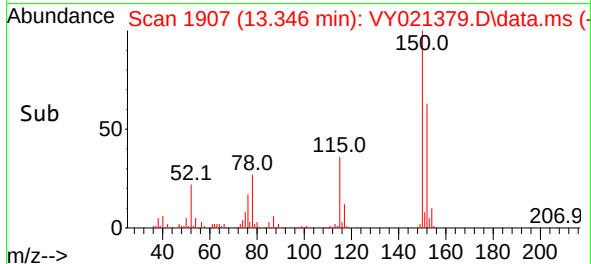
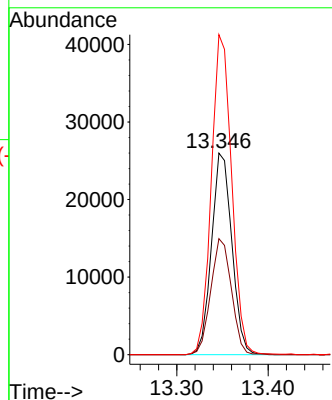
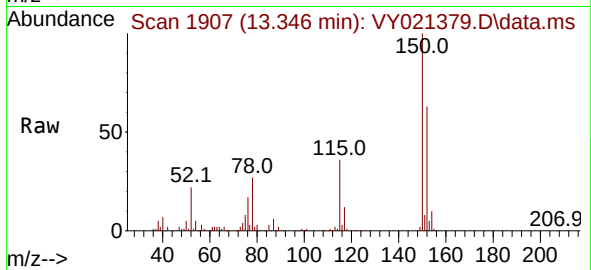




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY021379.D
 Acq: 28 Feb 2025 12:56

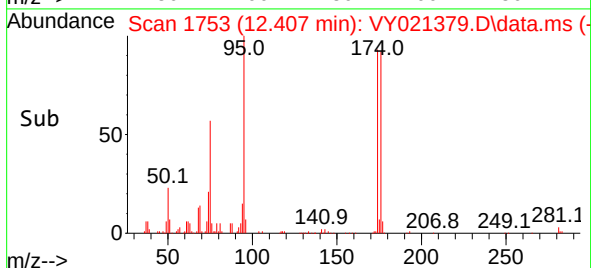
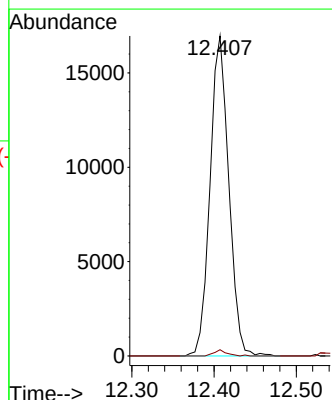
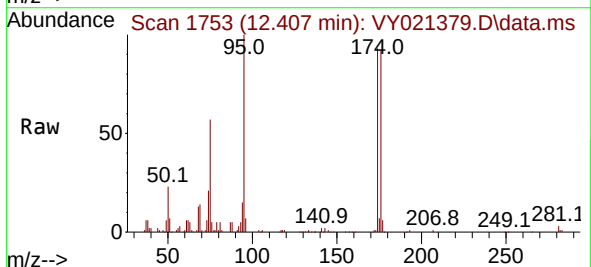
Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-CLAY-CF01-02RE

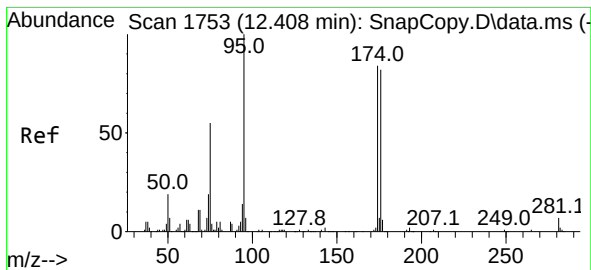
Tgt Ion:152 Resp: 40324
 Ion Ratio Lower Upper
 152 100
 115 58.3 29.3 88.0
 150 158.3 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 66.560 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.153 min
 Lab File: VY021379.D
 Acq: 28 Feb 2025 12:56

Tgt Ion: 75 Resp: 26865
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.939 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY021379.D
 Acq: 28 Feb 2025 12:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-CLAY-CF01-02RE

Tgt Ion: 75 Resp: 26865
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.3 35.6 53.4#

