

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
 Data File : VY021621.D
 Acq On : 24 Mar 2025 16:25
 Operator : SY/MD
 Sample : Q1635-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOC

Quant Time: Mar 25 01:31:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

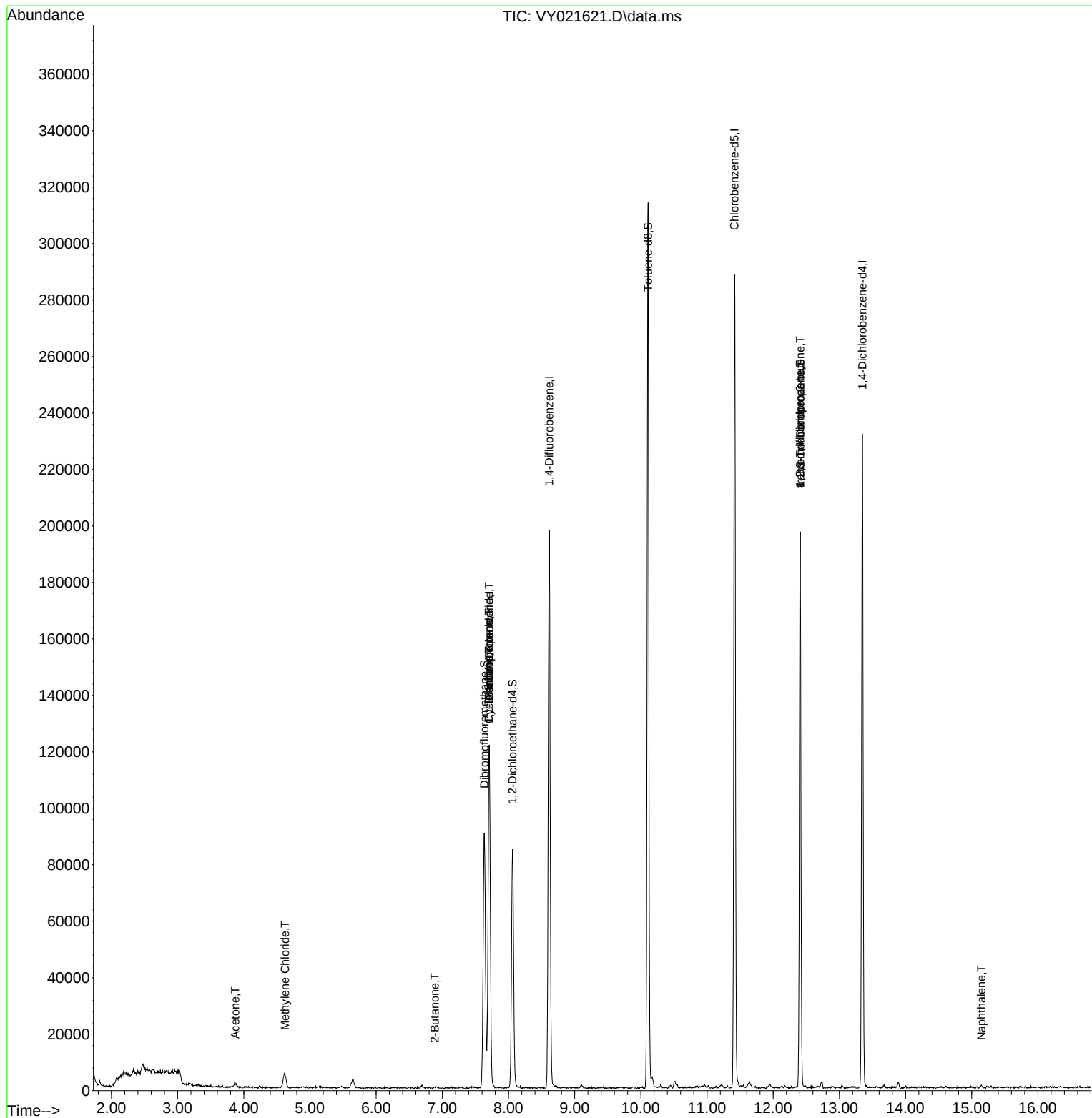
Internal Standards						
1) Pentafluorobenzene	7.707	168	92431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	162368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	151338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	57651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	69238	70.872	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.740%	
35) Dibromofluoromethane	7.634	113	64356	60.300	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.600%	
50) Toluene-d8	10.109	98	201230	49.797	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.600%	
62) 4-Bromofluorobenzene	12.408	95	58443	42.517	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.040%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	2651	12.441	ug/l	93
20) Methylene Chloride	4.622	84	3336	2.983	ug/l #	92
25) 2-Butanone	6.884	43	313	1.062	ug/l #	48
31) Cyclohexane	7.701	56	2220	1.213	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	7363	4.407	ug/l #	52
38) Carbon Tetrachloride	7.707	117	9372	4.878	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	31992	55.069	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	31992	125.190	ug/l #	9
95) Naphthalene	15.145	128	855	1.996	ug/l #	89

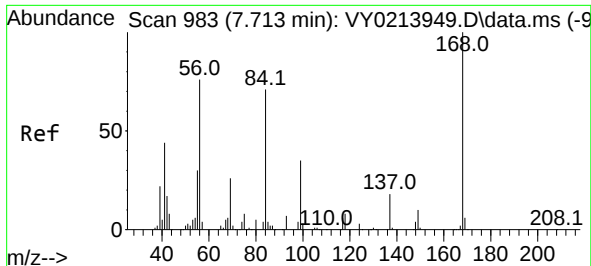
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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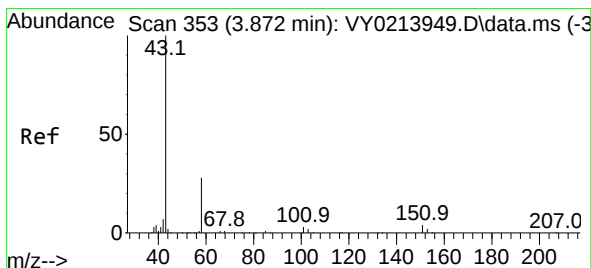
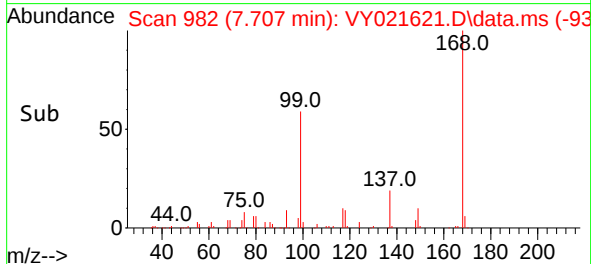
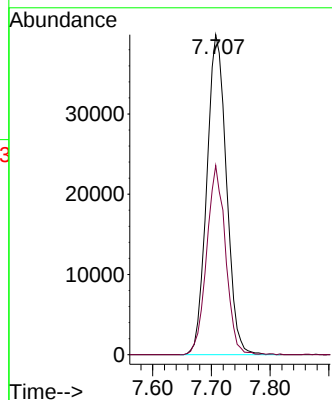
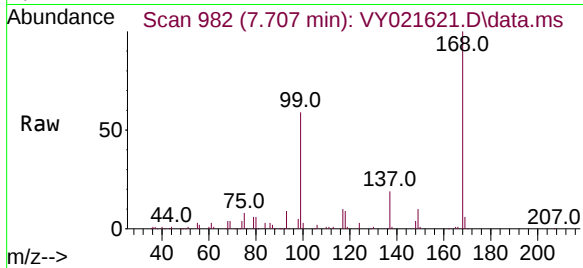




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

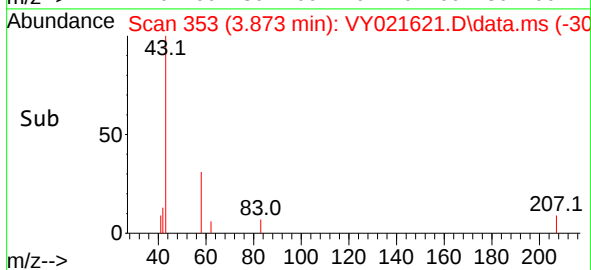
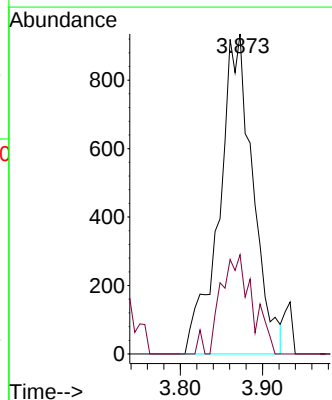
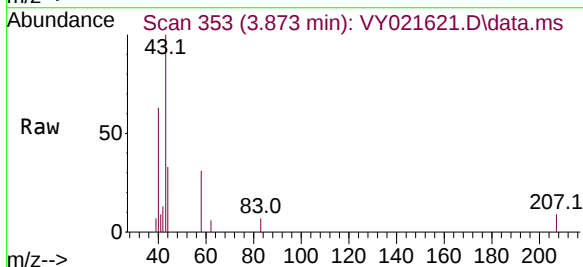
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

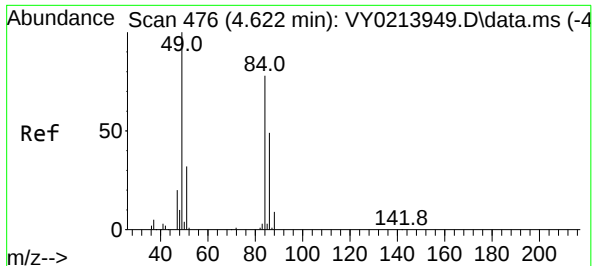
Tgt Ion:168 Resp: 92431
Ion Ratio Lower Upper
168 100
99 59.1 46.0 69.0



#16
Acetone
Concen: 12.441 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.001 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

Tgt Ion: 43 Resp: 2651
Ion Ratio Lower Upper
43 100
58 31.0 22.1 33.1

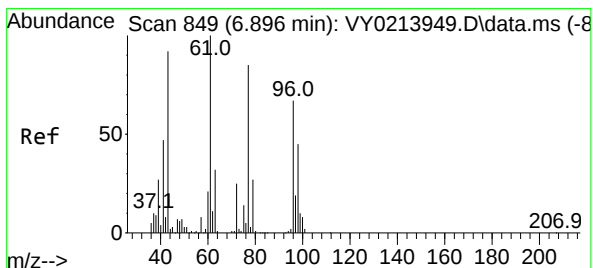
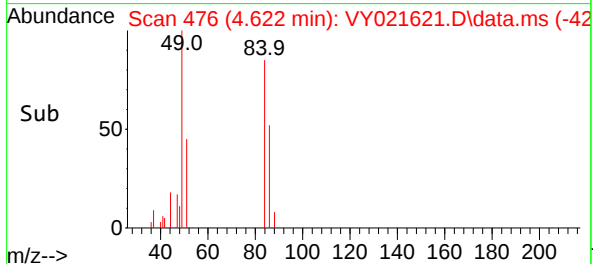
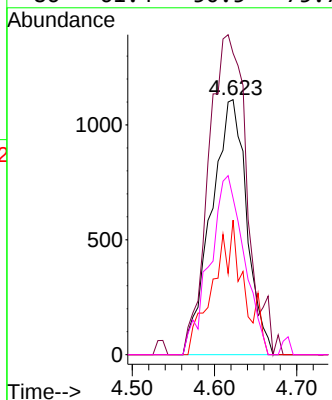
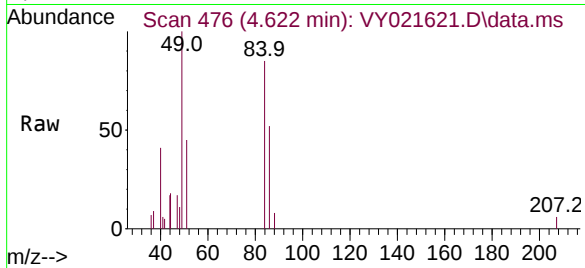




#20
Methylene Chloride
Concen: 2.983 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

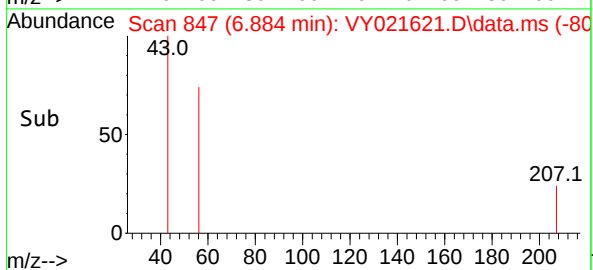
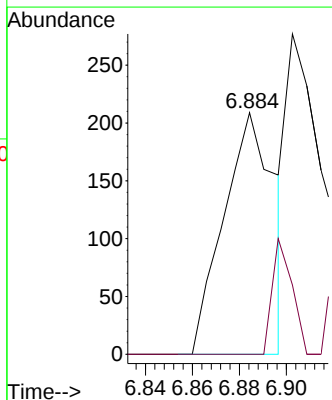
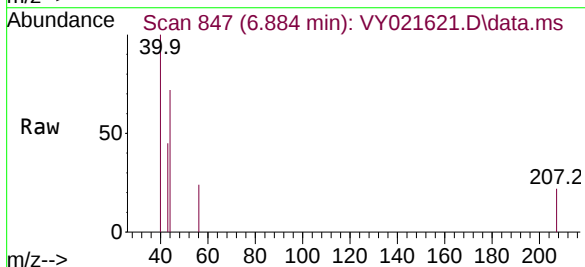
Instrument :
MSVOA_Y
ClientSampleId :
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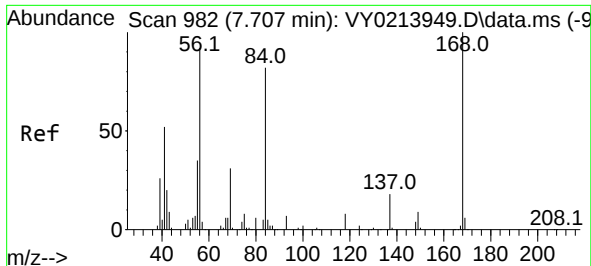
Tgt Ion: 84 Resp: 3336
Ion Ratio Lower Upper
84 100
49 118.2 102.0 153.0
51 52.8 33.0 49.6#
86 61.4 50.5 75.7



#25
2-Butanone
Concen: 1.062 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

Tgt Ion: 43 Resp: 313
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#

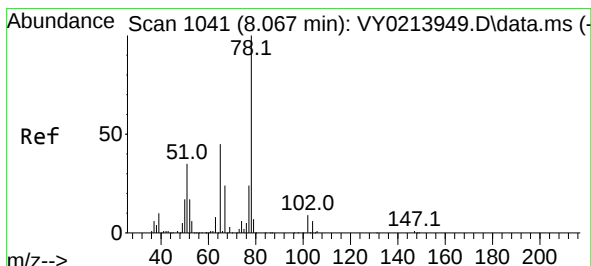
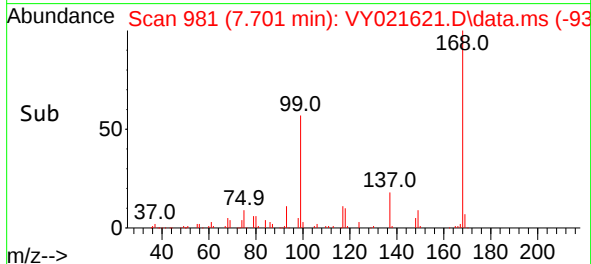
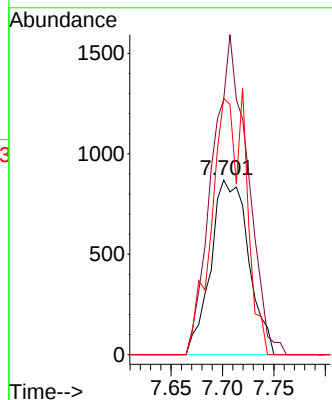
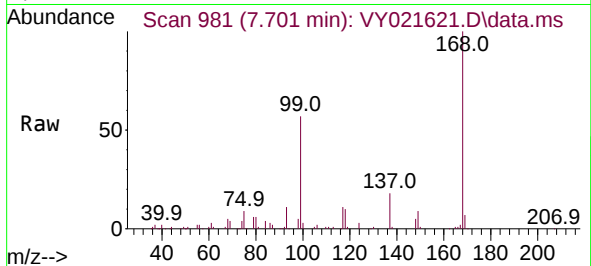




#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

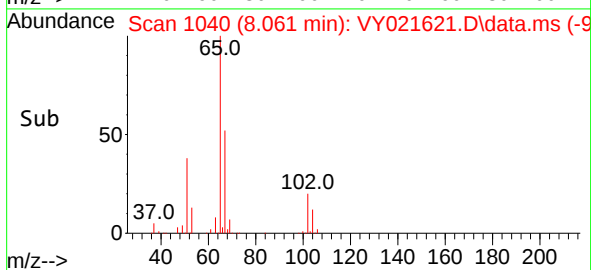
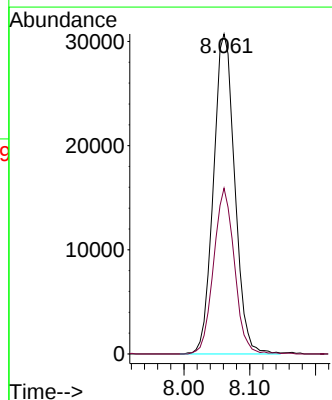
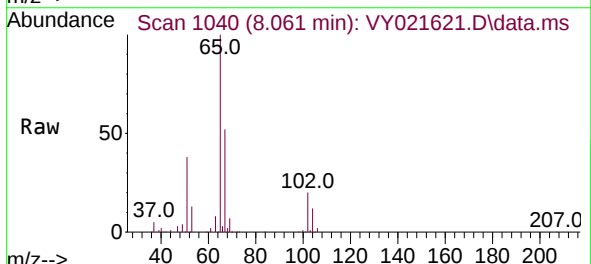
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

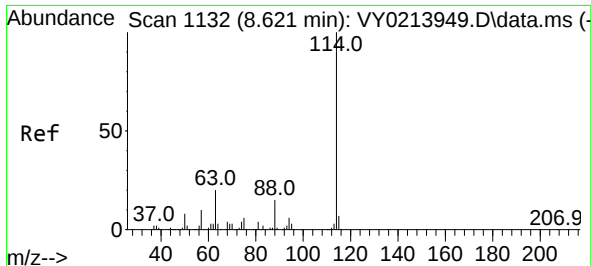
Tgt Ion: 56 Resp: 2220
Ion Ratio Lower Upper
56 100
69 146.4 27.0 40.4#
84 146.7 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 70.872 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

Tgt Ion: 65 Resp: 69238
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.8

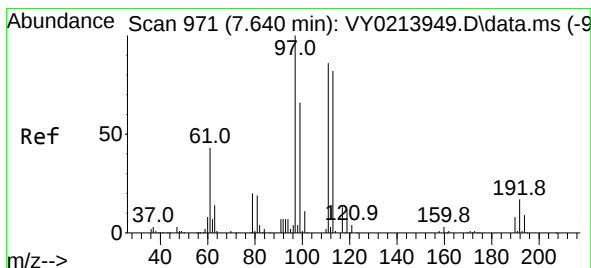
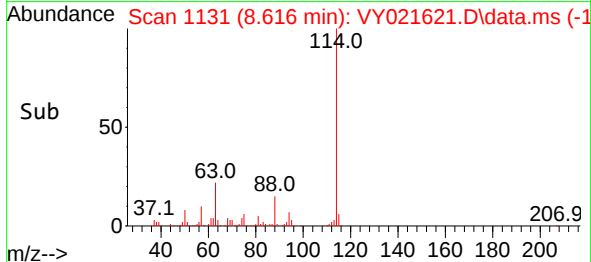
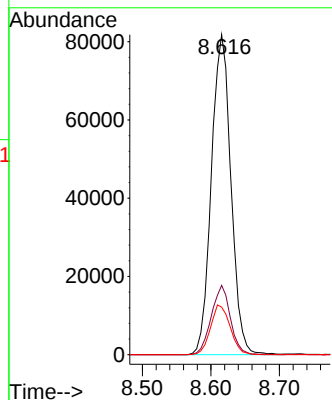
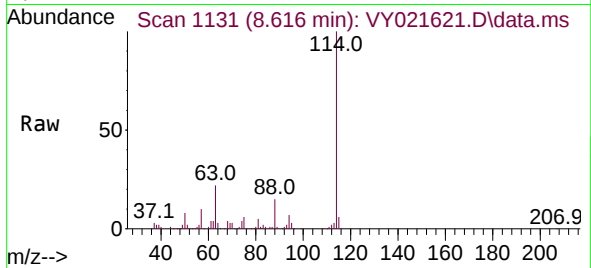




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

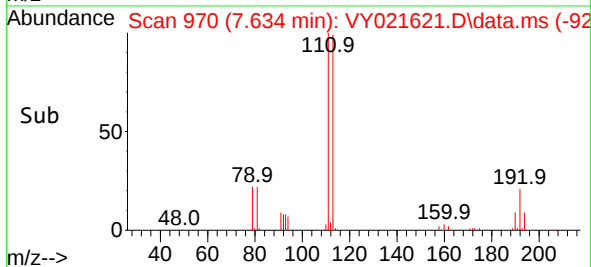
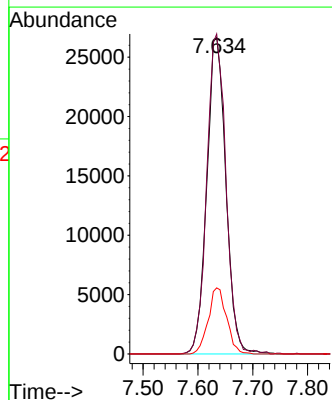
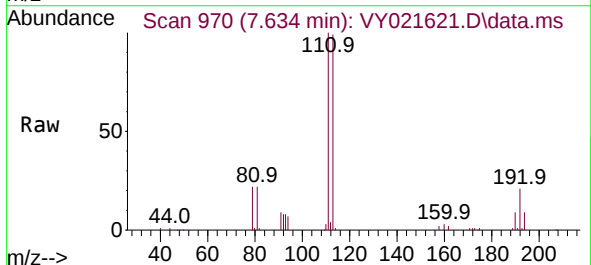
Instrument :
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ClientSampleId :
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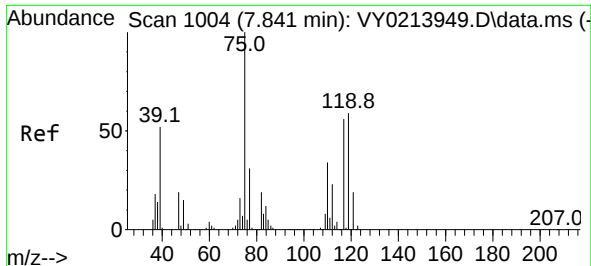
Tgt Ion:114	Resp:	162368
Ion Ratio	Lower	Upper
114	100	
63	21.6	0.0 40.8
88	14.9	0.0 30.8



#35
Dibromofluoromethane
Concen: 60.300 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

Tgt Ion:113	Resp:	64356
Ion Ratio	Lower	Upper
113	100	
111	101.7	82.0 123.0
192	20.1	15.9 23.9

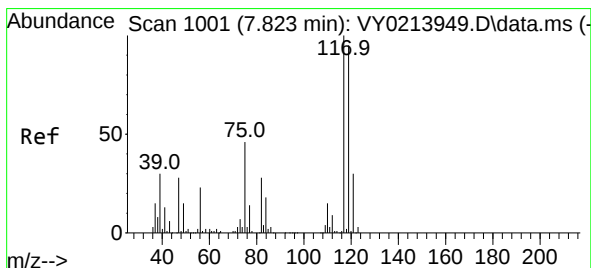
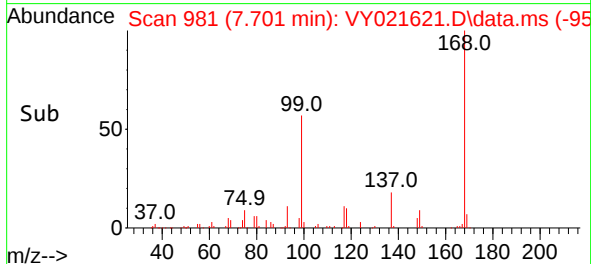
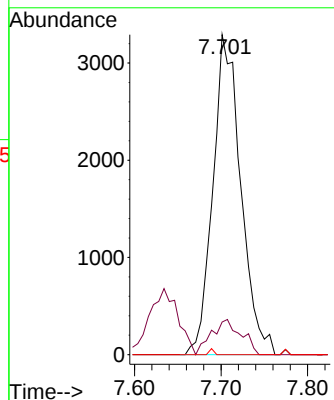
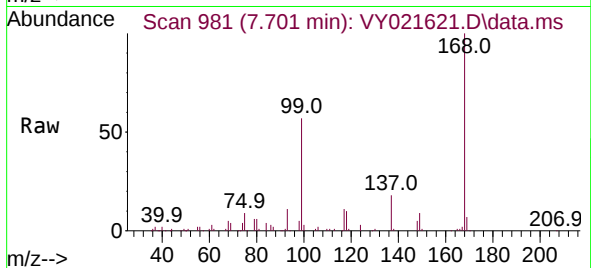




#36
1,1-Dichloropropene
Concen: 4.407 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

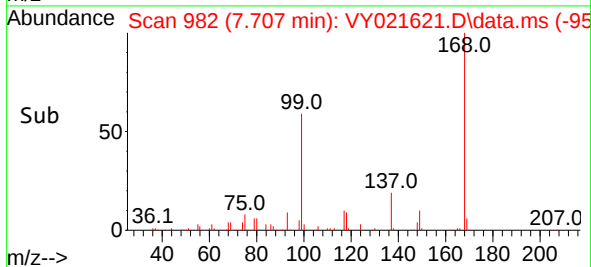
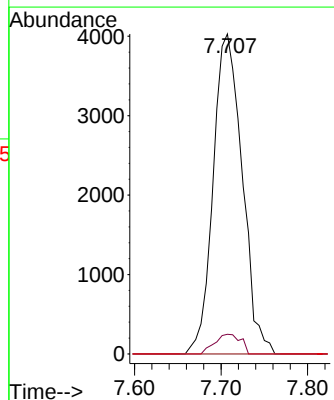
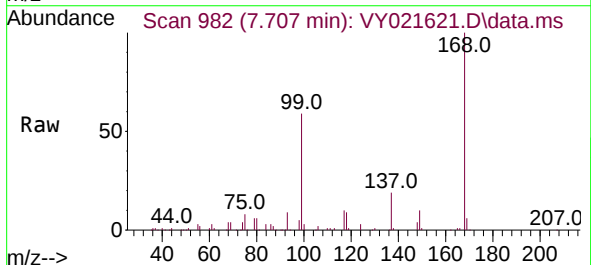
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ClientSampleId :
TP-2-VOC

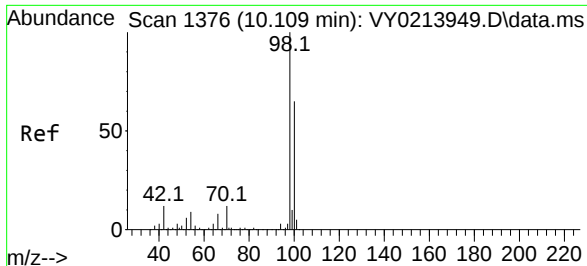
Tgt Ion: 75 Resp: 7363
Ion Ratio Lower Upper
75 100
110 11.7 17.3 51.7#
77 0.3 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.878 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.115 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

Tgt Ion: 117 Resp: 9372
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.8#
121 0.0 23.9 35.9#

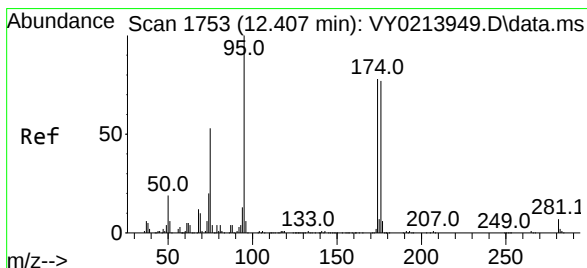
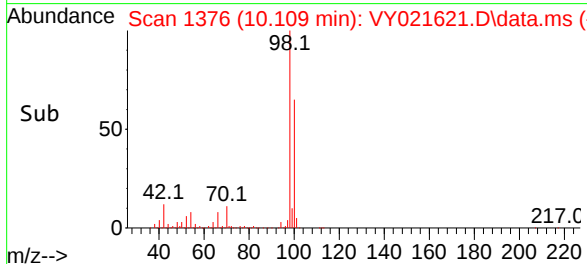
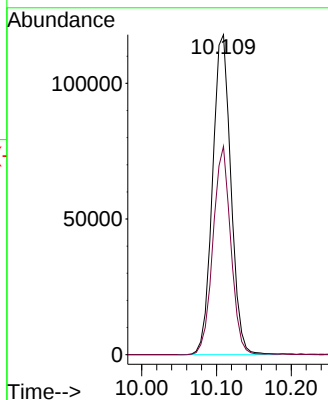
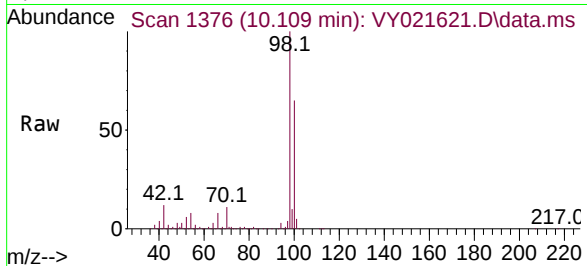




#50
Toluene-d8
Concen: 49.797 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

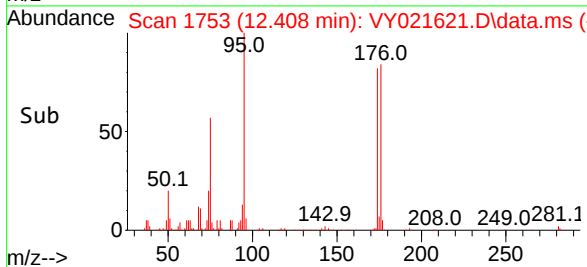
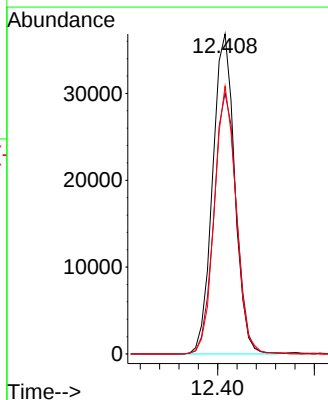
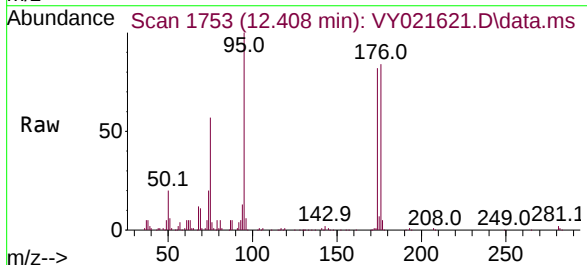
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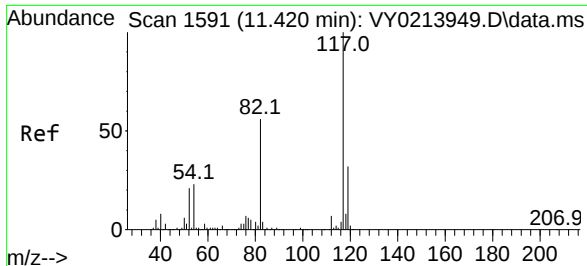
Tgt Ion: 98 Resp: 201230
Ion Ratio Lower Upper
98 100
100 63.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 42.517 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

Tgt Ion: 95 Resp: 58443
Ion Ratio Lower Upper
95 100
174 83.3 0.0 165.0
176 82.0 0.0 160.0

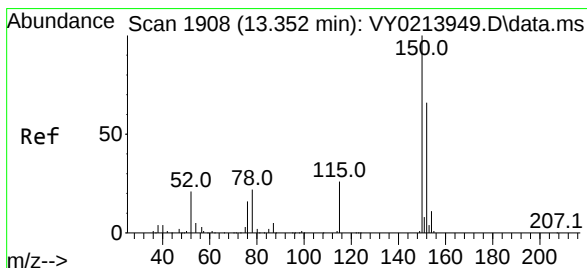
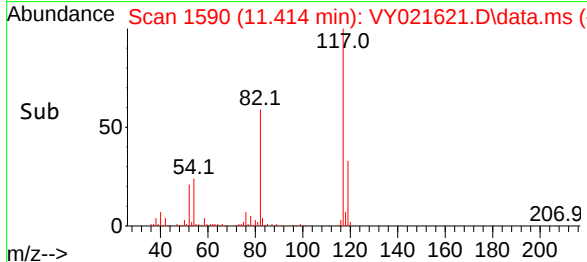
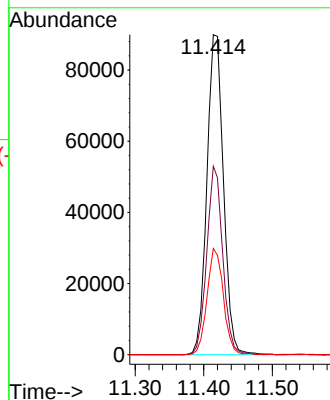
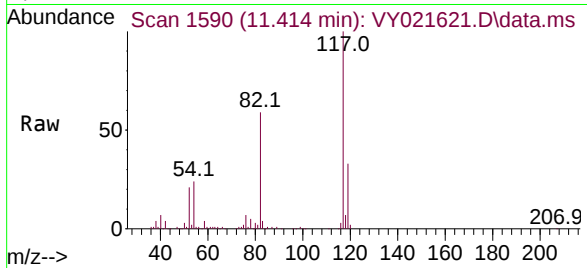




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

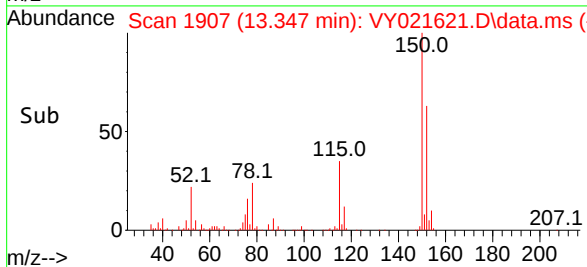
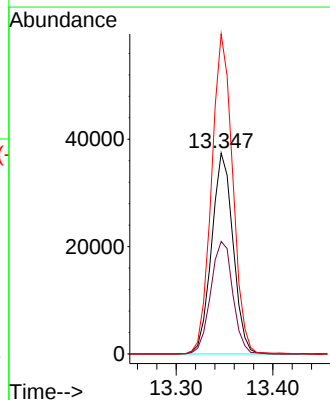
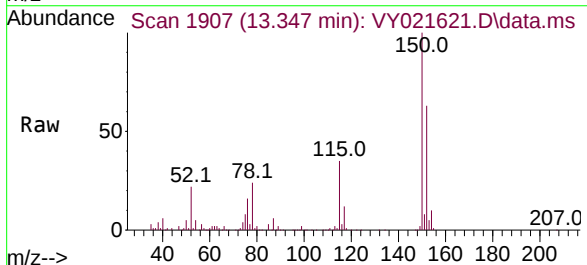
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

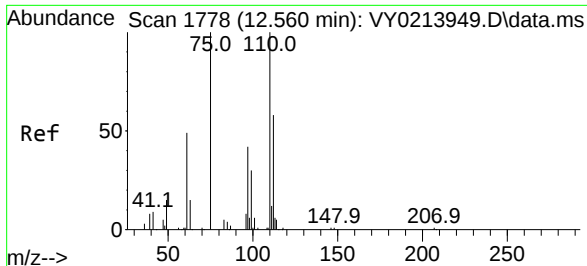
Tgt Ion:117 Resp: 151338
Ion Ratio Lower Upper
117 100
82 58.9 44.6 67.0
119 33.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

Tgt Ion:152 Resp: 57651
Ion Ratio Lower Upper
152 100
115 57.8 29.0 87.0
150 157.4 0.0 347.2

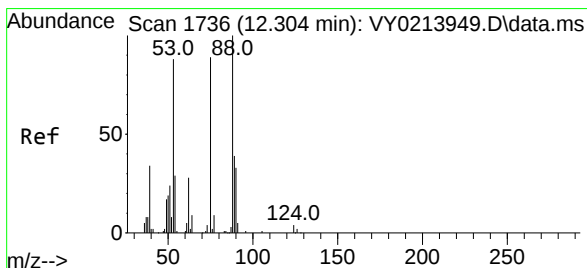
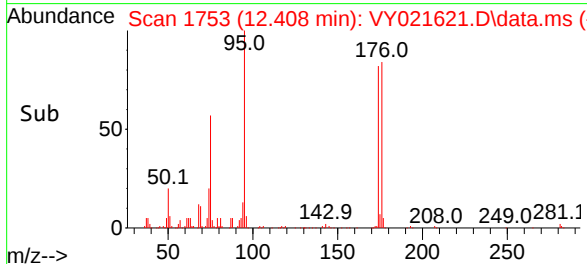
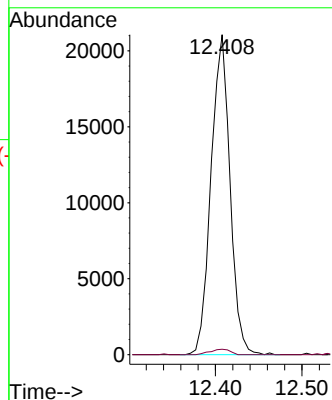
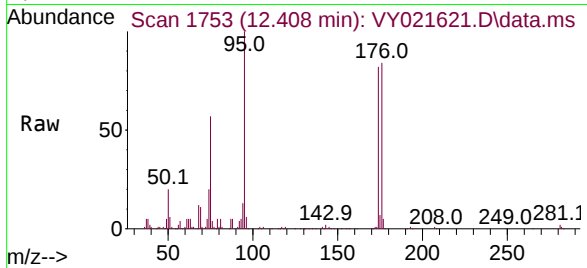




#76
1,2,3-Trichloropropane
Concen: 55.069 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

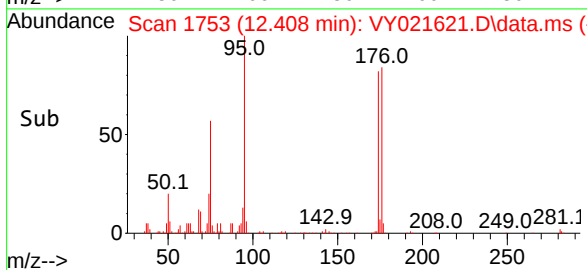
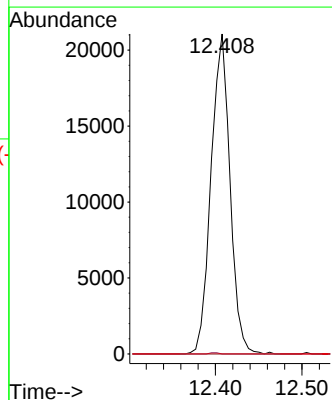
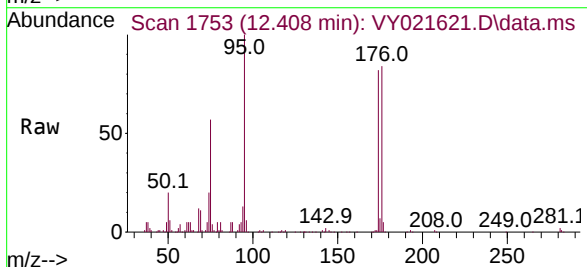
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

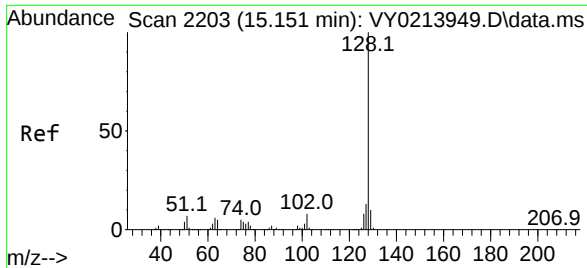
Tgt Ion: 75 Resp: 31992
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.190 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021621.D
Acq: 24 Mar 2025 16:25

Tgt Ion: 75 Resp: 31992
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 1.996 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021621.D

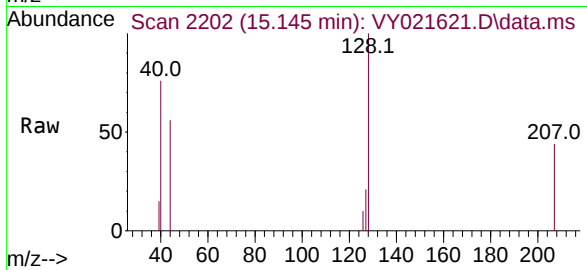
Acq: 24 Mar 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC



Tgt Ion:	128	Resp:	855
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	15.8
129	2.7	8.6	13.0#

