

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022986.D
 Acq On : 08 Jul 2025 19:21
 Operator : SY/MD
 Sample : Q2517-03
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-14-VOC

Quant Time: Jul 09 02:36:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	277012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	521474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	523087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	237580	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158467	51.255	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.520%
35) Dibromofluoromethane	7.634	113	164197	51.775	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.560%
50) Toluene-d8	10.103	98	642508	51.056	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.120%
62) 4-Bromofluorobenzene	12.402	95	230009	56.856	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.720%

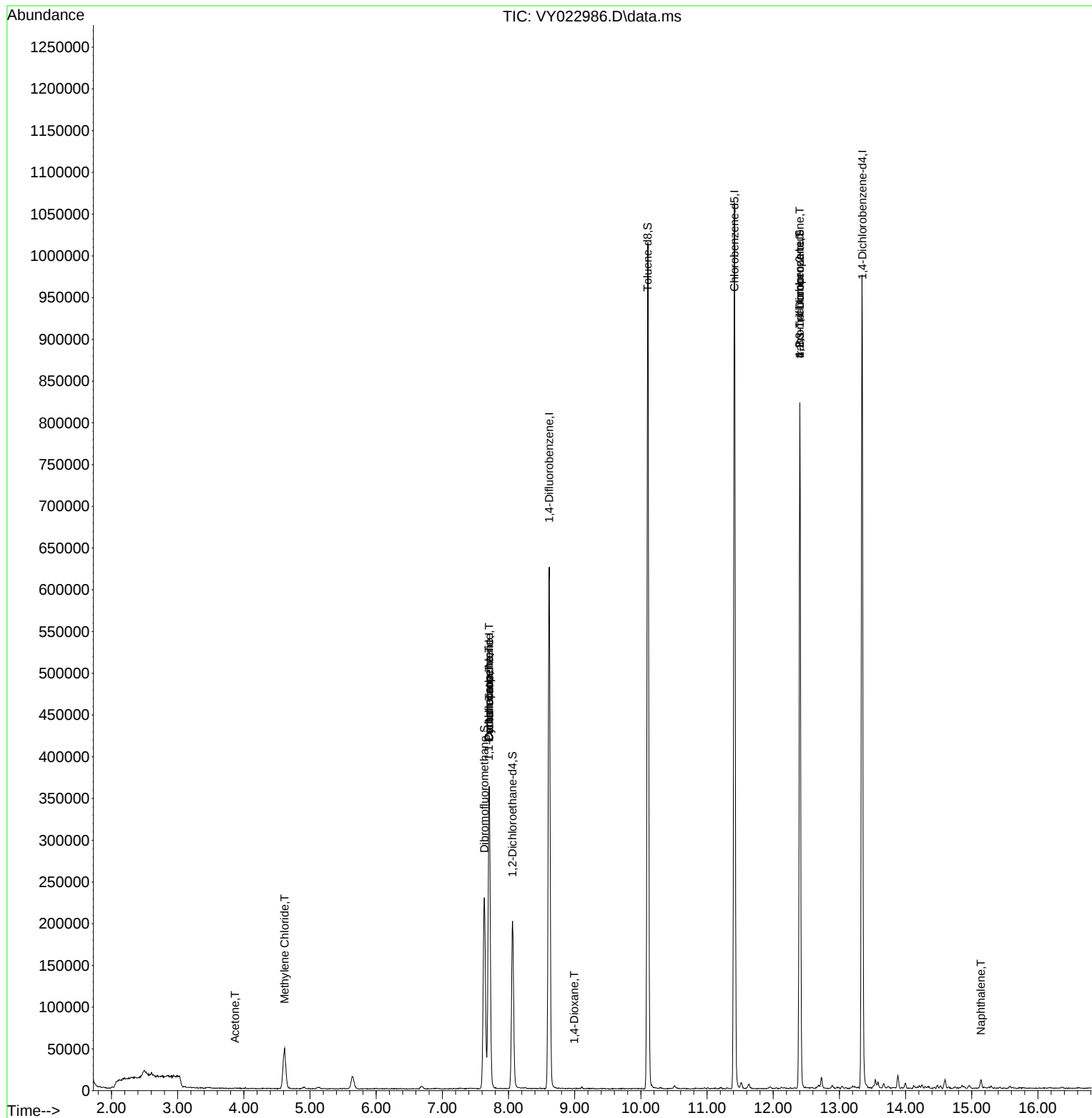
Target Compounds					Qvalue	
16) Acetone	3.867	43	1096	1.876	ug/l #	1
20) Methylene Chloride	4.616	84	34154	9.255	ug/l	97
31) Cyclohexane	7.707	56	6597	1.242	ug/l #	27
36) 1,1-Dichloropropene	7.701	75	23828	4.957	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28976	5.713	ug/l #	17
49) 1,4-Dioxane	8.994	88	26	1.121	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	130747	53.905	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	130747	136.186	ug/l #	11
95) Naphthalene	15.139	128	7788	1.082	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022986.D
Acq On : 08 Jul 2025 19:21
Operator : SY/MD
Sample : Q2517-03
Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

Quant Time: Jul 09 02:36:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

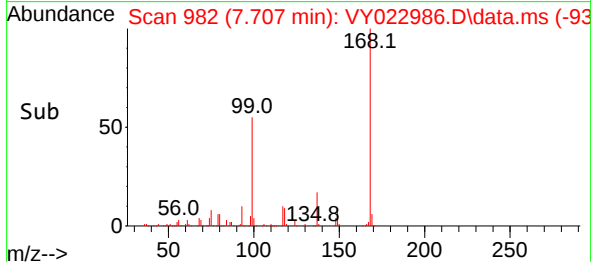
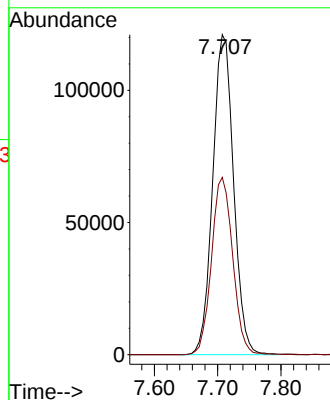
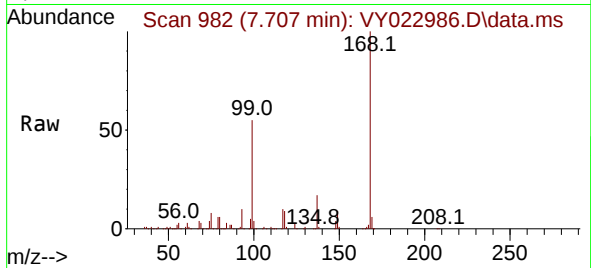




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

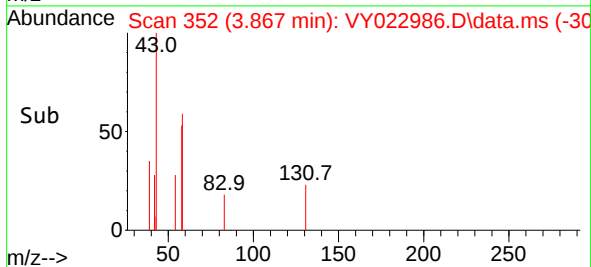
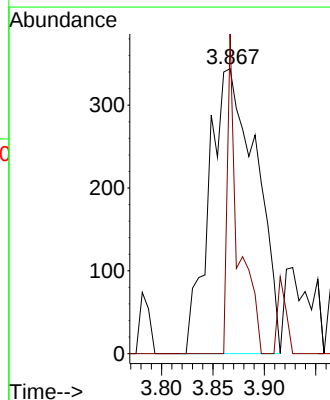
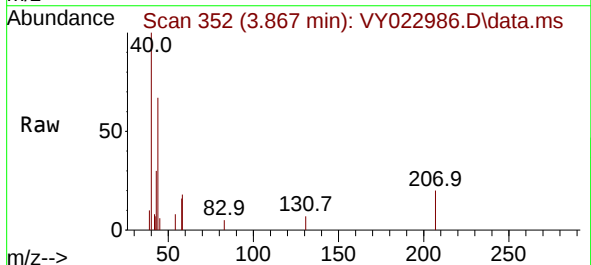
Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

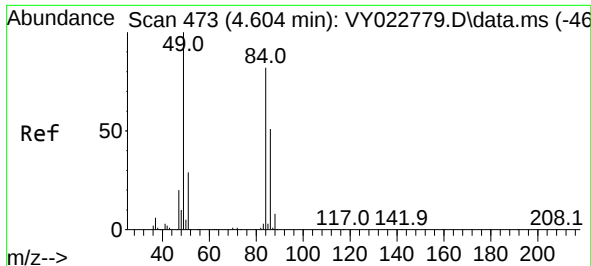
Tgt Ion:168 Resp: 277012
Ion Ratio Lower Upper
168 100
99 55.4 44.3 66.5



#16
Acetone
Concen: 1.876 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
58 112.2 24.0 36.0#



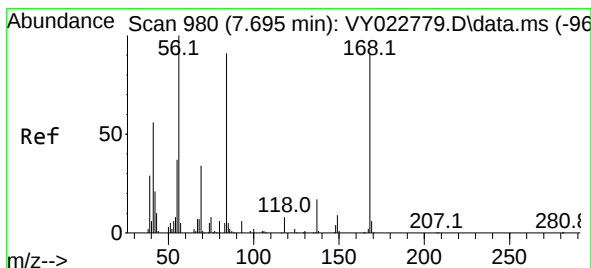
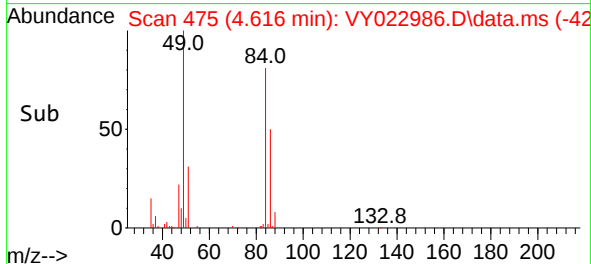
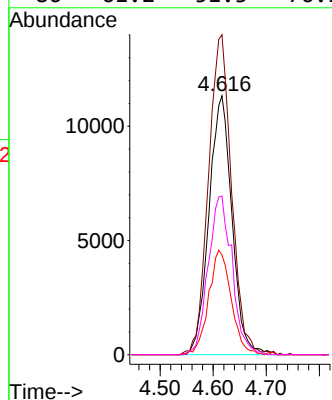
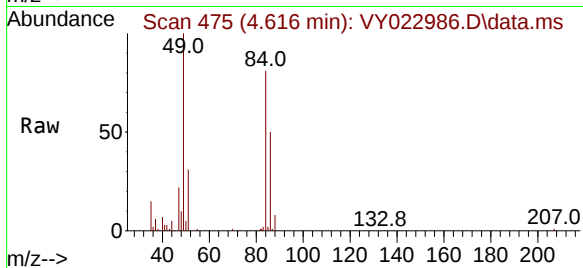


#20
Methylene Chloride
Concen: 9.255 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

Tgt Ion: 84 Resp: 34154

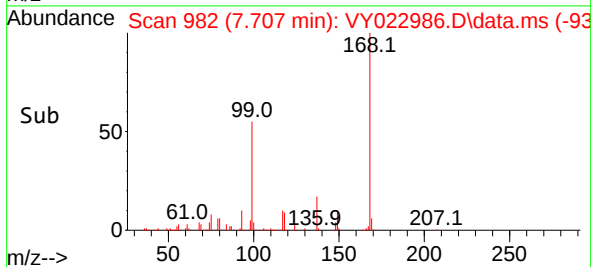
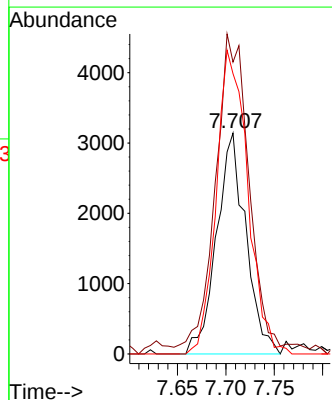
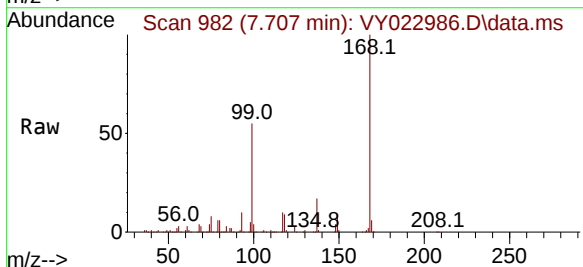
Ion	Ratio	Lower	Upper
84	100		
49	123.6	101.9	152.9
51	38.5	29.8	44.8
86	61.2	51.3	76.9

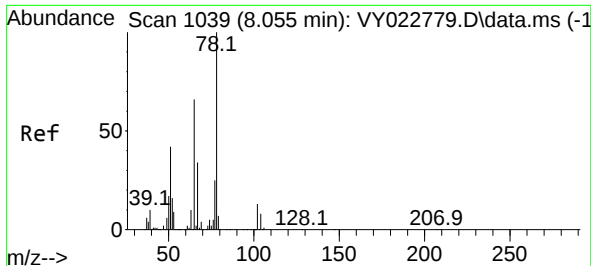


#31
Cyclohexane
Concen: 1.242 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

Tgt Ion: 56 Resp: 6597

Ion	Ratio	Lower	Upper
56	100		
69	128.7	27.0	40.6#
84	127.0	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.255 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022986.D

Acq: 08 Jul 2025 19:21

Instrument :

MSVOA_Y

ClientSampleId :

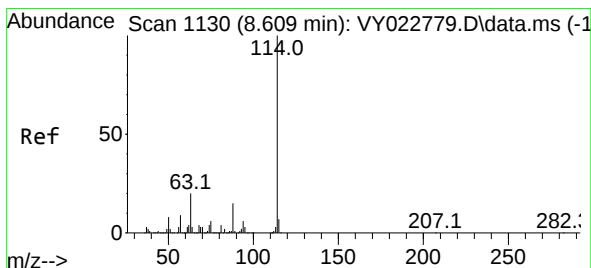
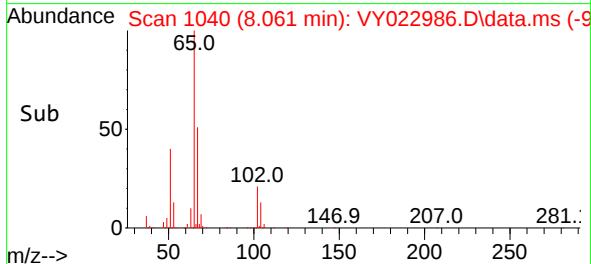
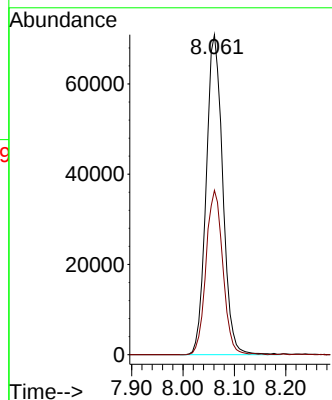
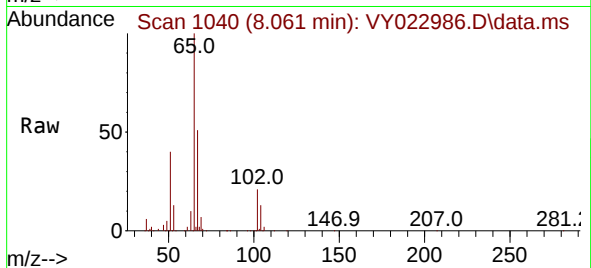
TP-14-VOC

Tgt Ion: 65 Resp: 158467

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022986.D

Acq: 08 Jul 2025 19:21

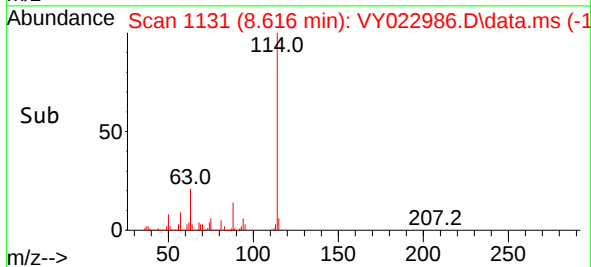
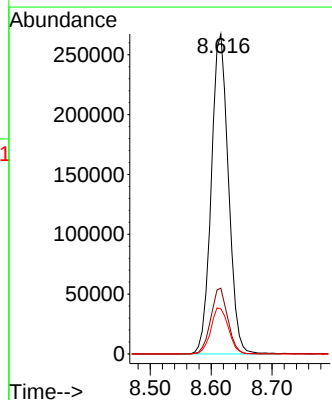
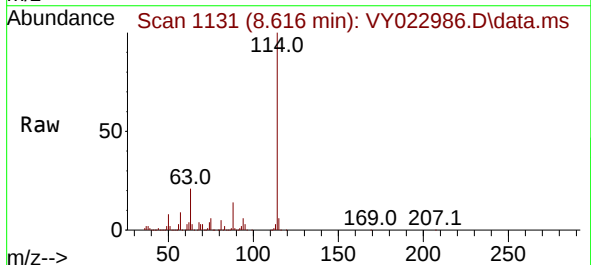
Tgt Ion:114 Resp: 521474

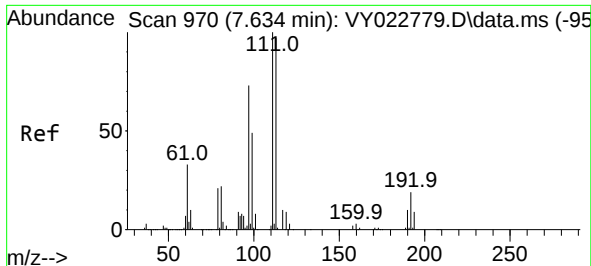
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 14.1 0.0 27.8

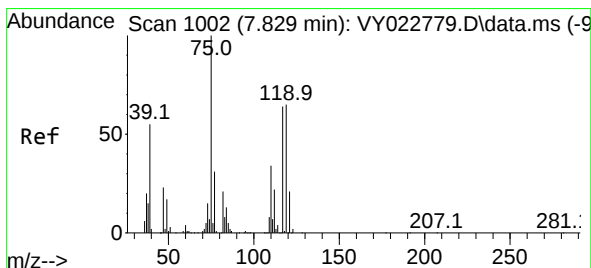
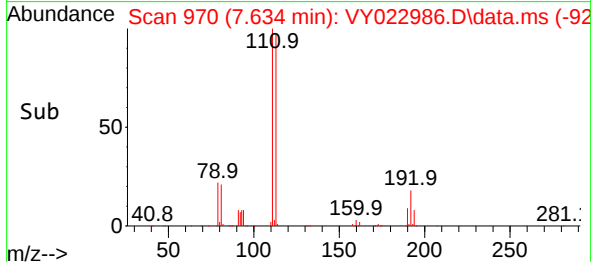
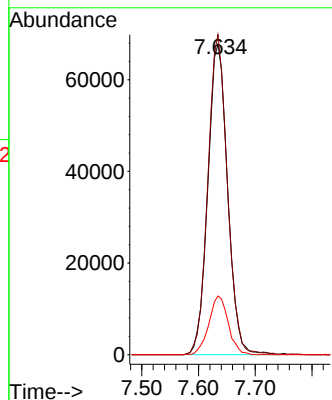
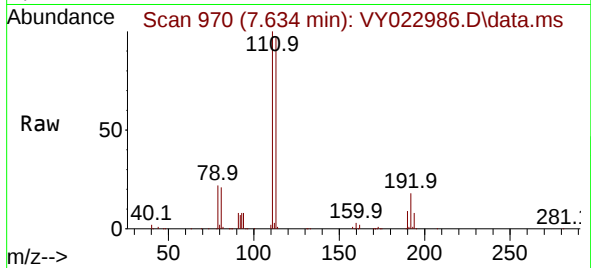




#35
Dibromofluoromethane
Concen: 51.775 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

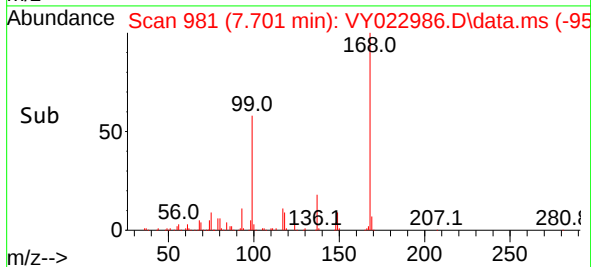
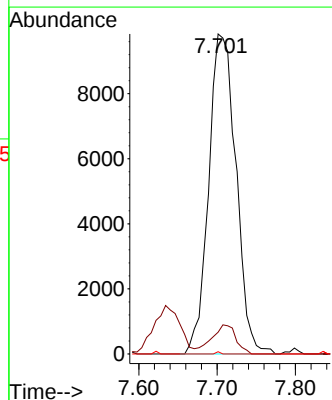
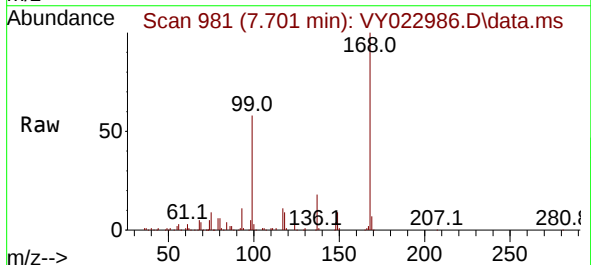
Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

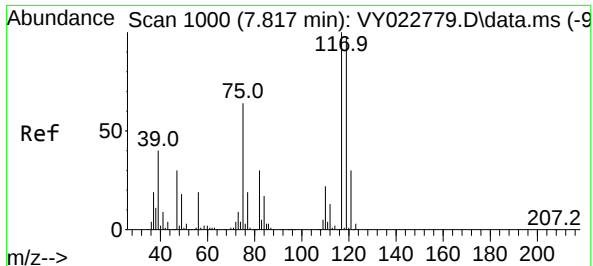
Tgt Ion:113 Resp: 164197
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 18.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.957 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

Tgt Ion: 75 Resp: 23828
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.1 24.8 37.2#

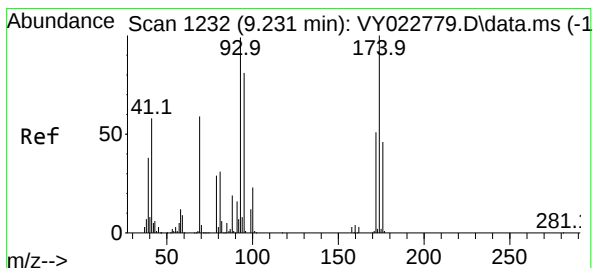
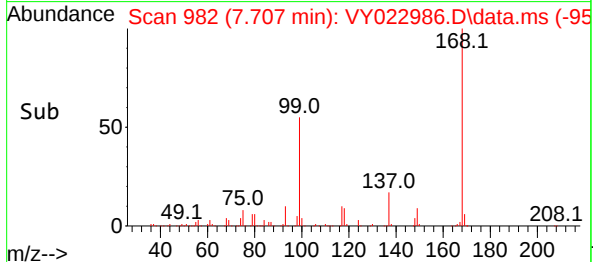
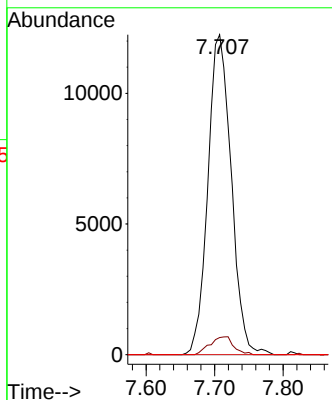
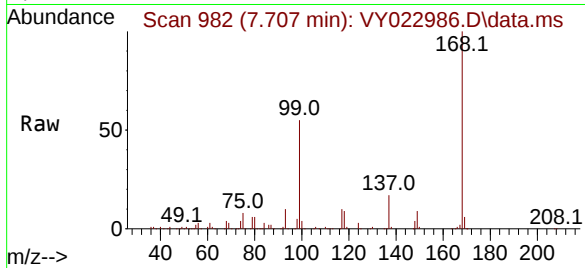




#38
Carbon Tetrachloride
Concen: 5.713 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

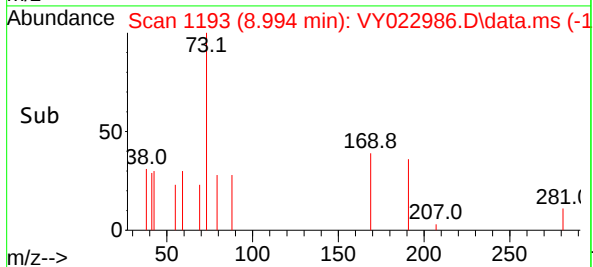
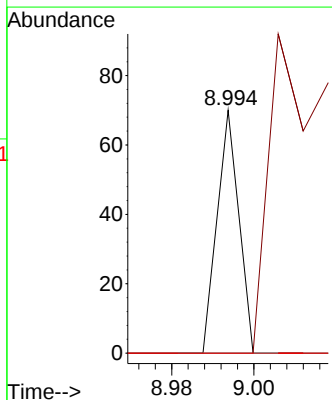
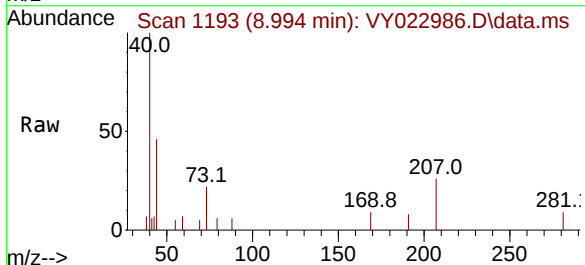
Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

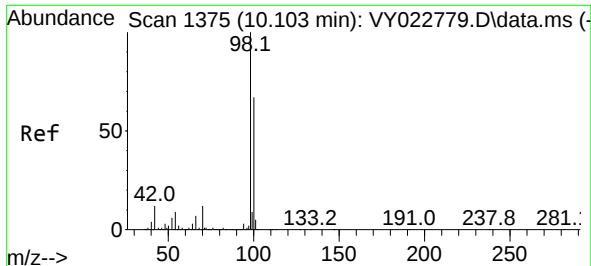
Tgt Ion:117 Resp: 28976
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.121 ug/l
RT: 8.994 min Scan# 1193
Delta R.T. -0.250 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 330.8 25.4 38.2#
58 0.0 54.9 82.3#

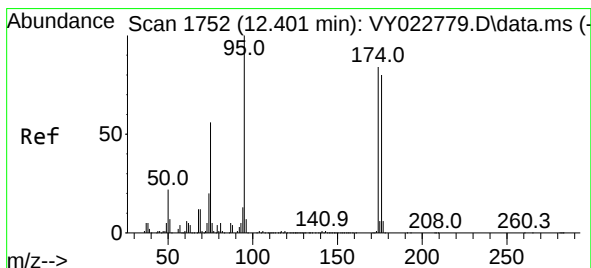
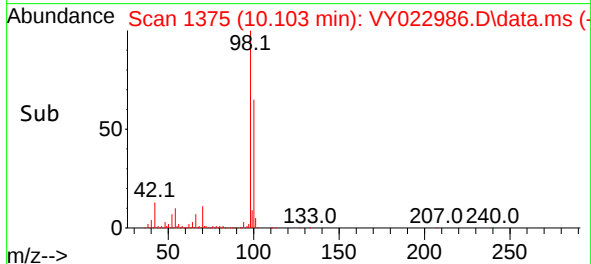
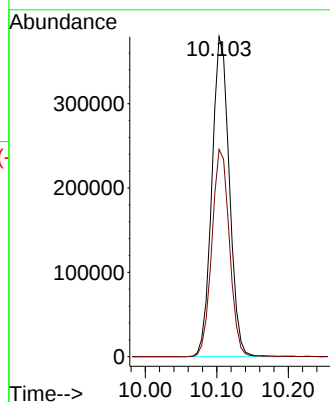
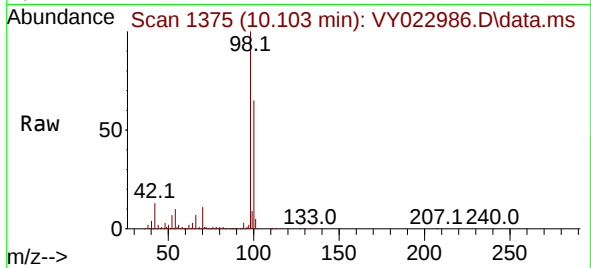




#50
Toluene-d8
Concen: 51.056 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

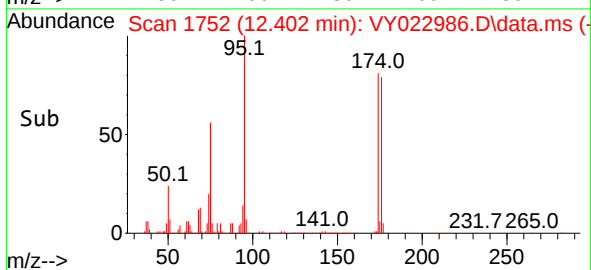
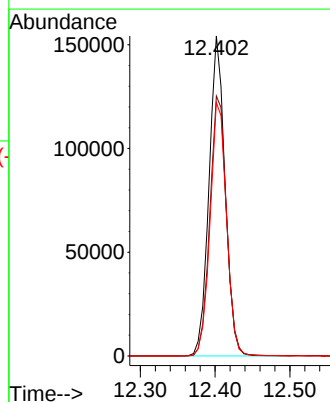
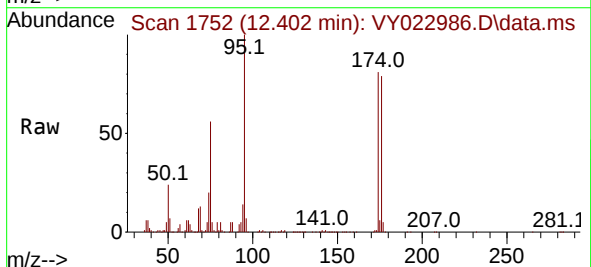
Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

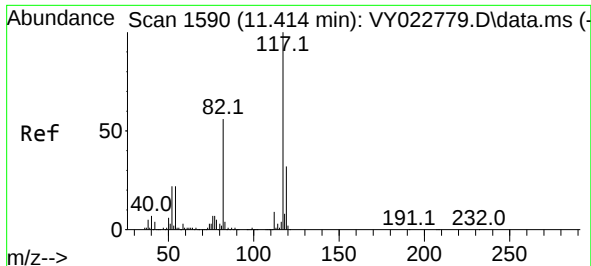
Tgt Ion: 98 Resp: 642508
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 56.856 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

Tgt Ion: 95 Resp: 230009
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.0
176 81.0 0.0 166.2

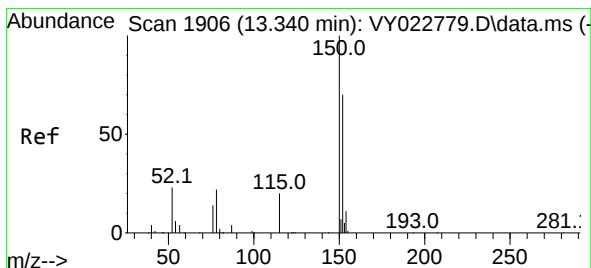
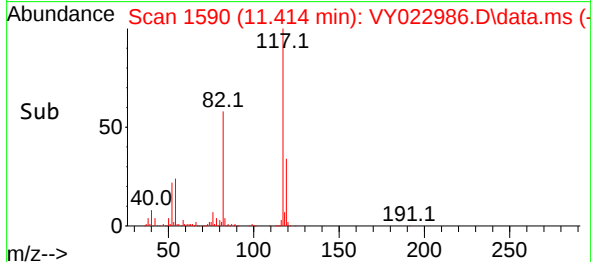
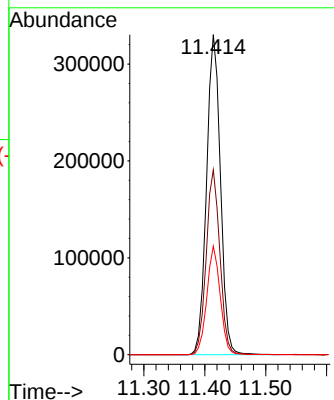
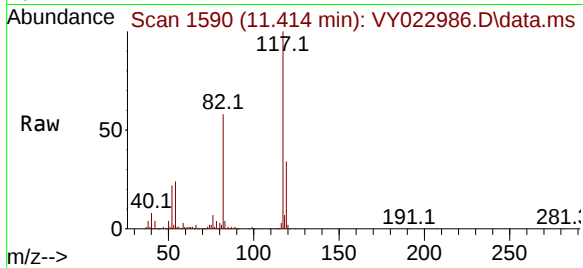




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

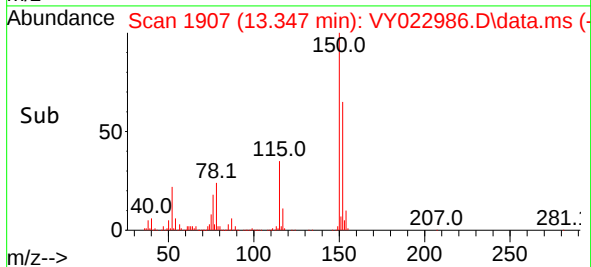
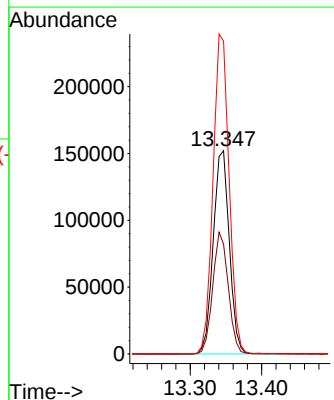
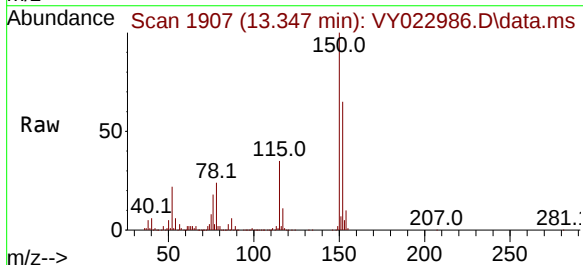
Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

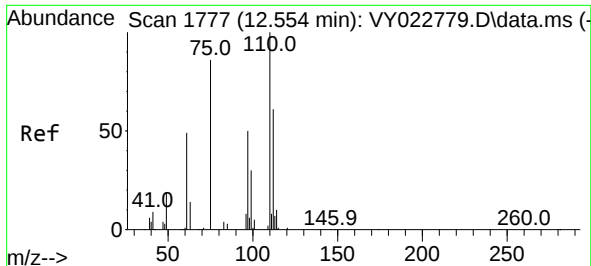
Tgt Ion:117 Resp: 523087
Ion Ratio Lower Upper
117 100
82 57.7 44.6 66.8
119 33.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

Tgt Ion:152 Resp: 237580
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.7
150 156.9 0.0 349.6

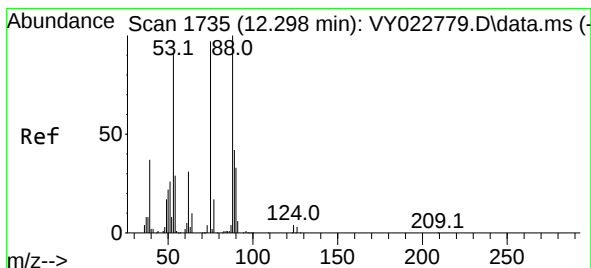
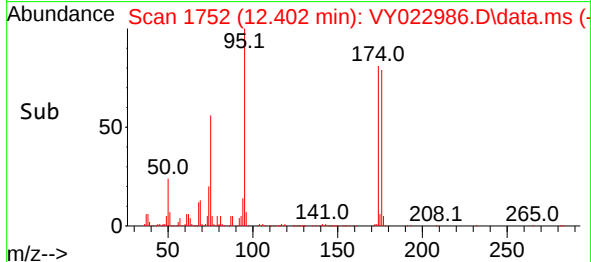
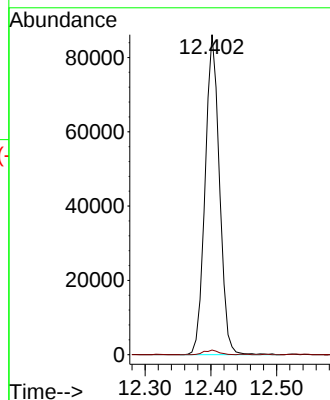
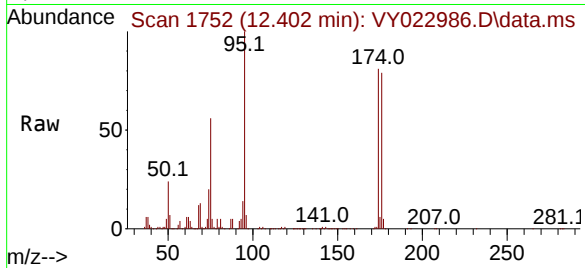




#76
1,2,3-Trichloropropane
Concen: 53.905 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

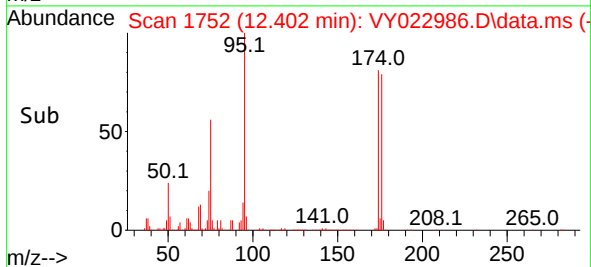
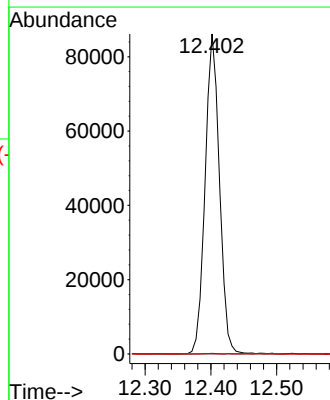
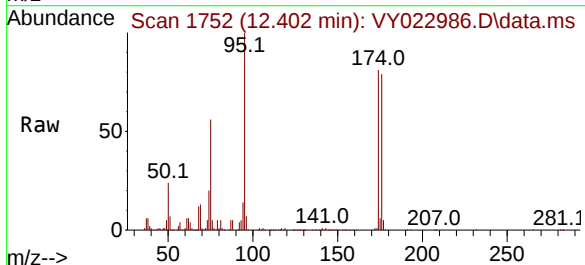
Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

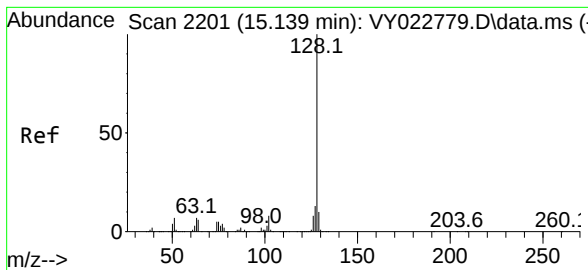
Tgt Ion: 75 Resp: 130747
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.186 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022986.D
Acq: 08 Jul 2025 19:21

Tgt Ion: 75 Resp: 130747
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.0 35.7 53.5#





#95
 Naphthalene
 Concen: 1.082 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY022986.D
 Acq: 08 Jul 2025 19:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-14-VOC

Tgt Ion:128	Resp:	7788
Ion	Ratio	Lower Upper
128	100	
127	13.9	10.4 15.6
129	11.6	8.9 13.3

