

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023747.D
 Acq On : 11 Nov 2025 17:58
 Operator : SY/MD
 Sample : Q3601-15
 Misc : 4.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4-VOC

Quant Time: Nov 12 03:40:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	769849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1287476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1073115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	430056	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	326423	50.706	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.420%
35) Dibromofluoromethane	7.634	113	396827	50.162	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.320%
50) Toluene-d8	10.109	98	1417153	48.103	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.200%
62) 4-Bromofluorobenzene	12.408	95	410951	42.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.500%

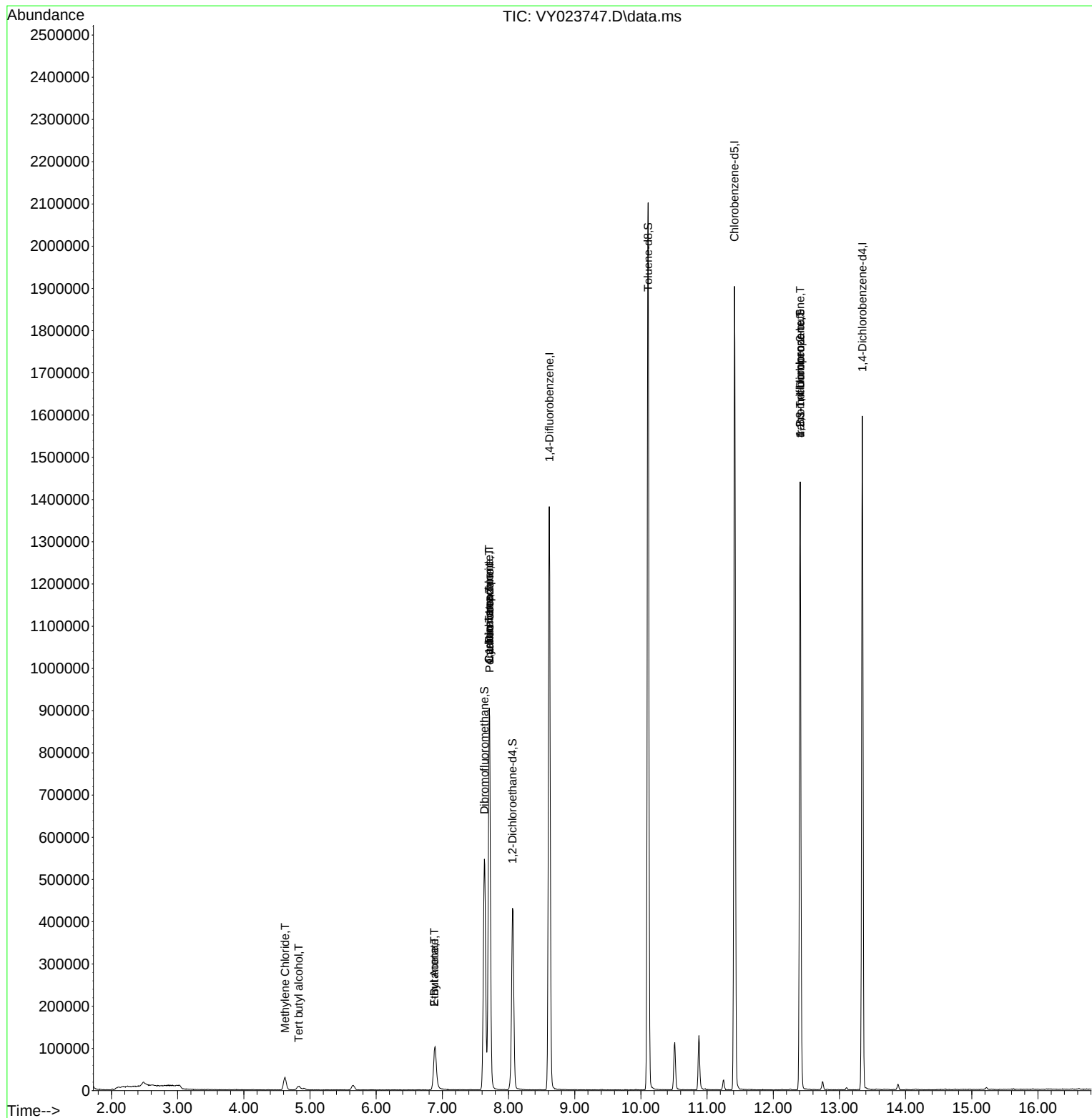
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.830	59	9016	18.826	ug/l #	78
20) Methylene Chloride	4.622	84	24416	2.946	ug/l	94
25) 2-Butanone	6.878	43	5274	2.819	ug/l #	75
31) Cyclohexane	7.707	56	12017	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	48656	4.646	ug/l #	48
37) Ethyl Acetate	6.878	43	5274	1.271	ug/l #	1
38) Carbon Tetrachloride	7.707	117	68714	5.411	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	194656	51.303	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	194656	125.805	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

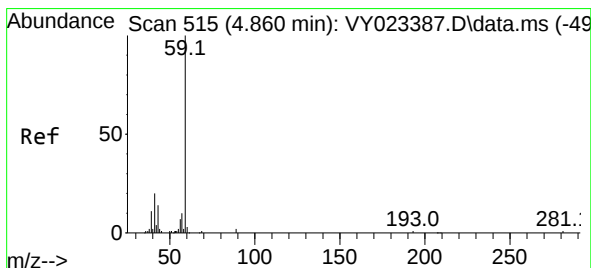
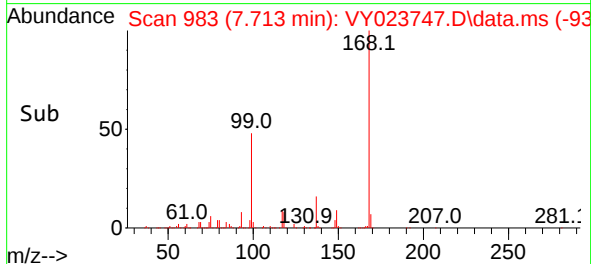
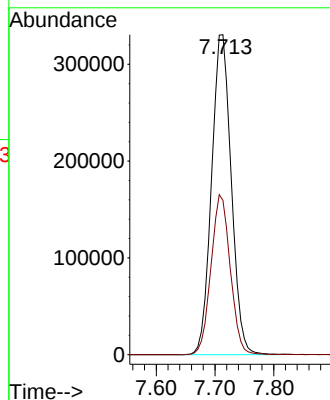
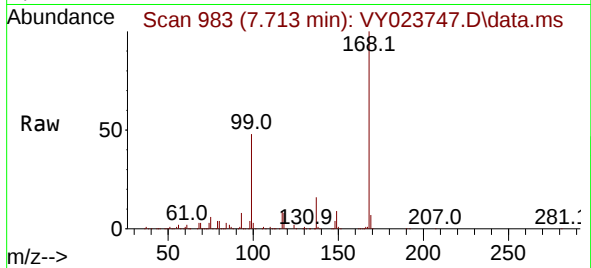




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023747.D
Acq: 11 Nov 2025 17:58

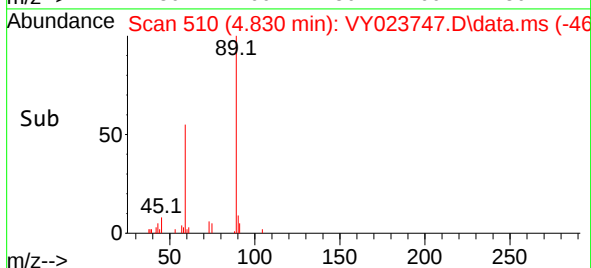
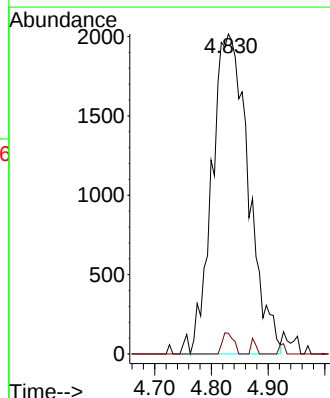
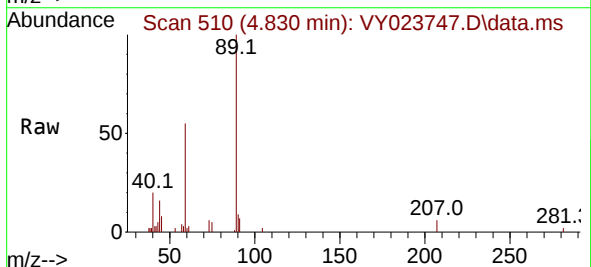
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

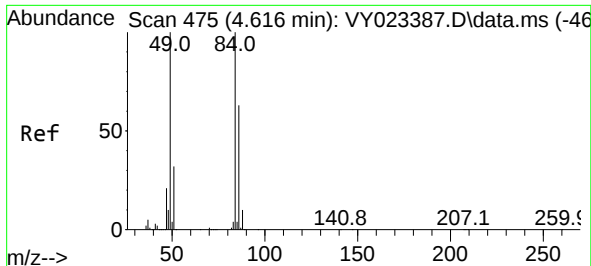
Tgt Ion:168 Resp: 769849
Ion Ratio Lower Upper
168 100
99 48.3 39.7 59.5



#11
Tert butyl alcohol
Concen: 18.826 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY023747.D
Acq: 11 Nov 2025 17:58

Tgt Ion: 59 Resp: 9016
Ion Ratio Lower Upper
59 100
57 2.0 8.3 12.5#

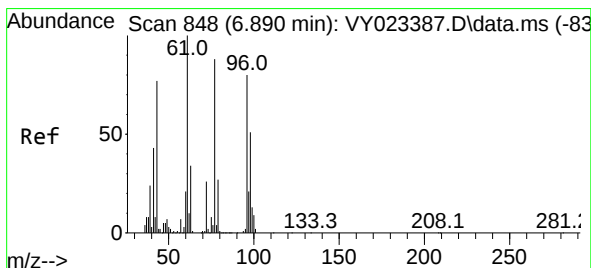
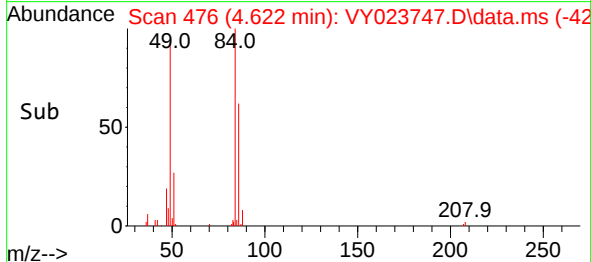
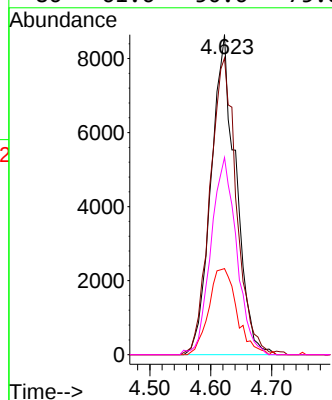
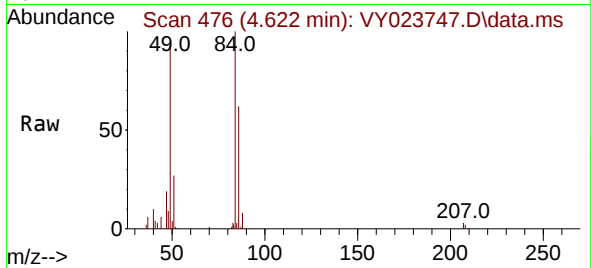




#20
Methylene Chloride
Concen: 2.946 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023747.D
Acq: 11 Nov 2025 17:58

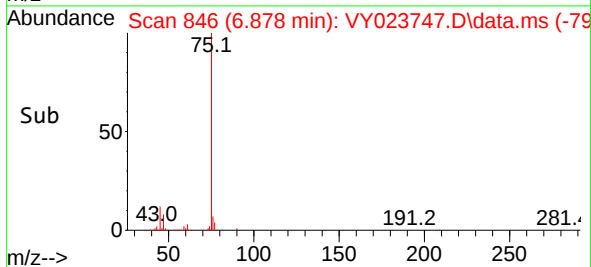
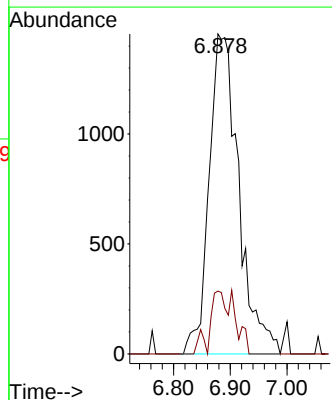
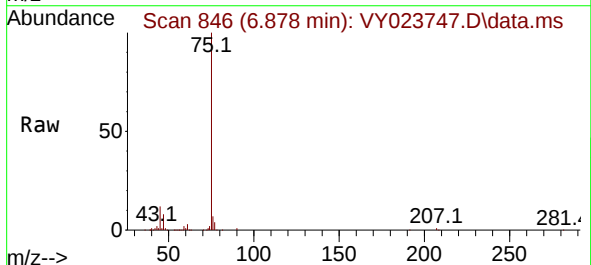
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

Tgt Ion:	84	Resp:	24416
Ion	Ratio	Lower	Upper
84	100		
49	92.7	80.2	120.4
51	26.9	25.9	38.9
86	61.6	50.6	75.8



#25
2-Butanone
Concen: 2.819 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY023747.D
Acq: 11 Nov 2025 17:58

Tgt Ion:	43	Resp:	5274
Ion	Ratio	Lower	Upper
43	100		
72	19.7	27.4	41.2#

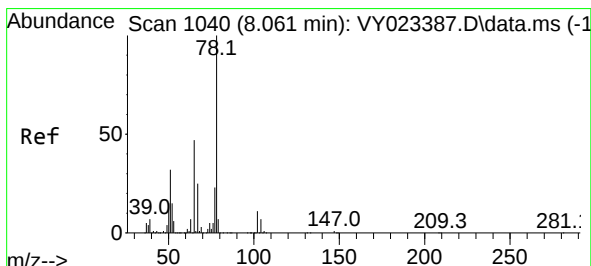
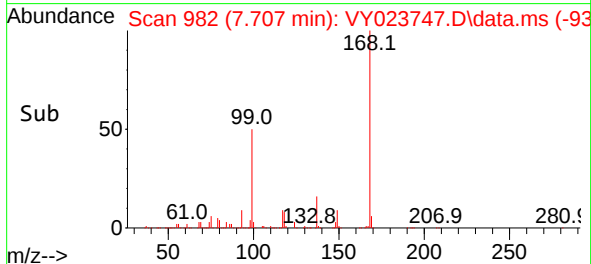
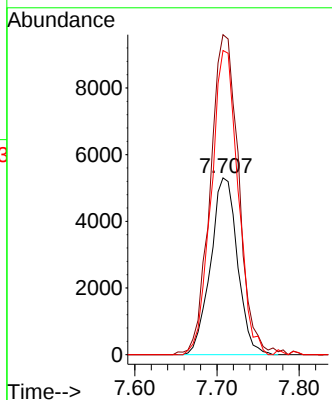
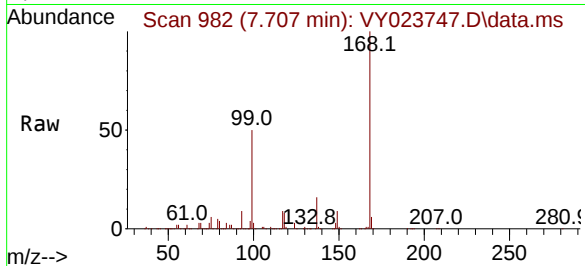




#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023747.D
Acq: 11 Nov 2025 17:58

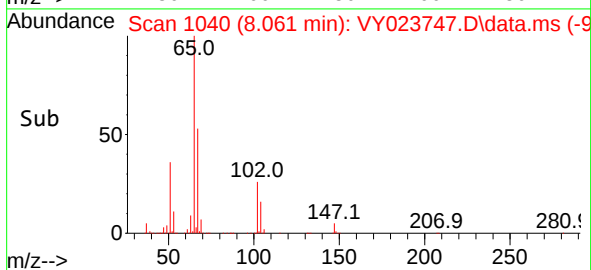
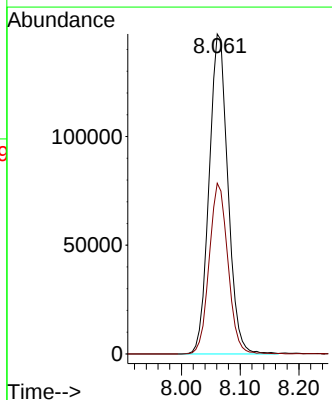
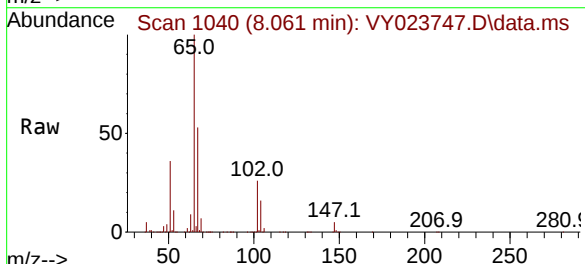
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

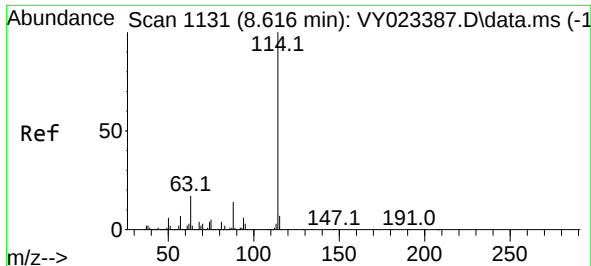
Tgt Ion: 56 Resp: 12017
Ion Ratio Lower Upper
56 100
69 179.5 30.0 45.0#
84 172.1 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 50.706 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023747.D
Acq: 11 Nov 2025 17:58

Tgt Ion: 65 Resp: 326423
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8

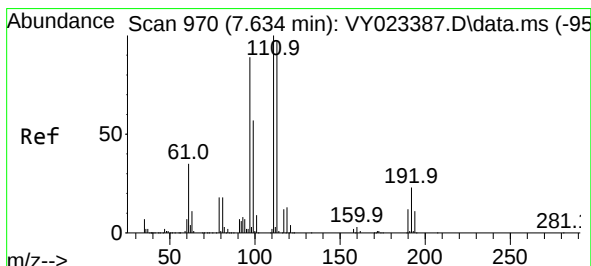
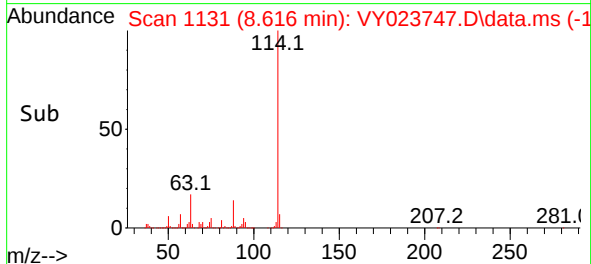
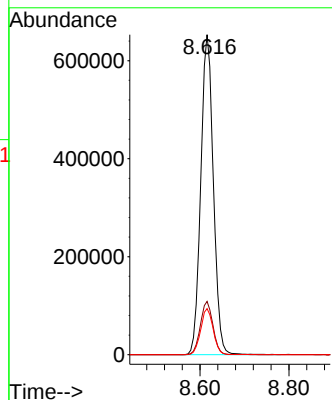
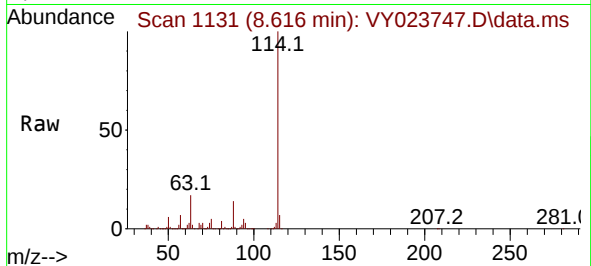




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023747.D
Acq: 11 Nov 2025 17:58

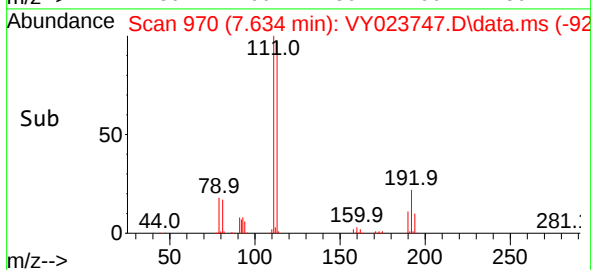
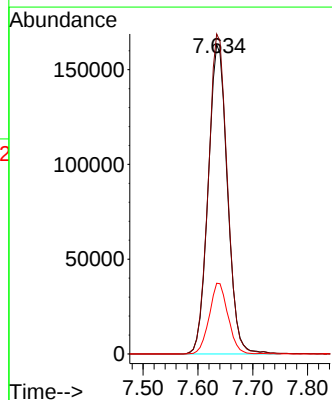
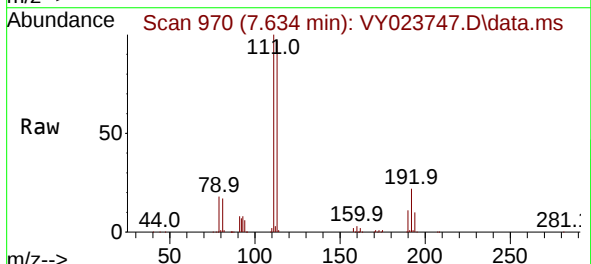
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

Tgt Ion:114 Resp: 1287476
Ion Ratio Lower Upper
114 100
63 16.7 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.162 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023747.D
Acq: 11 Nov 2025 17:58

Tgt Ion:113 Resp: 396827
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 22.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.646 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023747.D

Acq: 11 Nov 2025 17:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-4-VOC

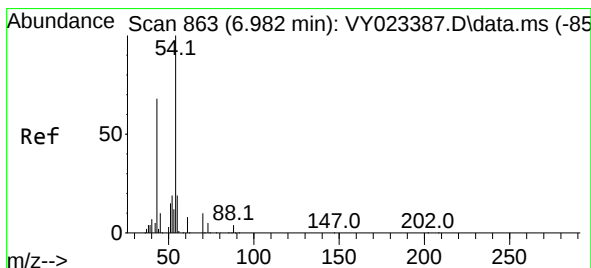
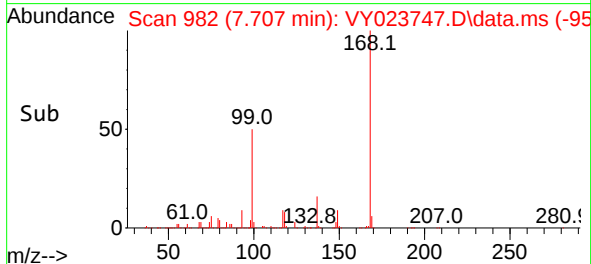
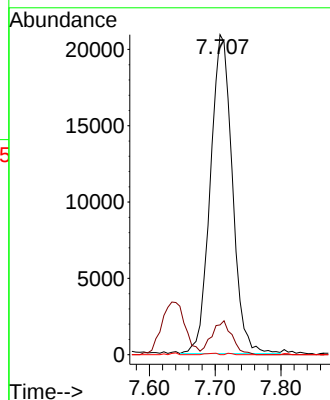
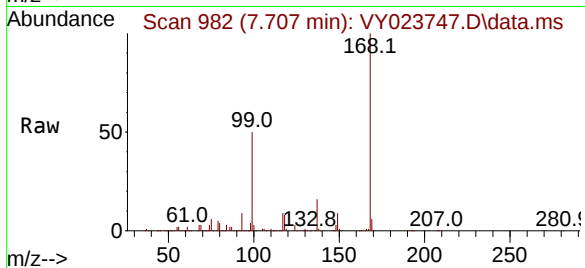
Tgt Ion: 75 Resp: 48656

Ion Ratio Lower Upper

75 100

110 9.8 19.9 59.7#

77 0.1 25.0 37.6#



#37

Ethyl Acetate

Concen: 1.271 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.104 min

Lab File: VY023747.D

Acq: 11 Nov 2025 17:58

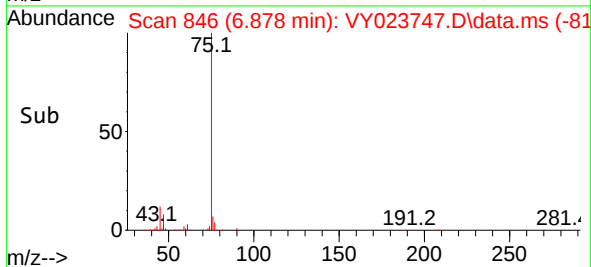
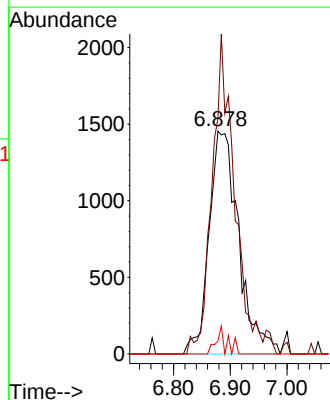
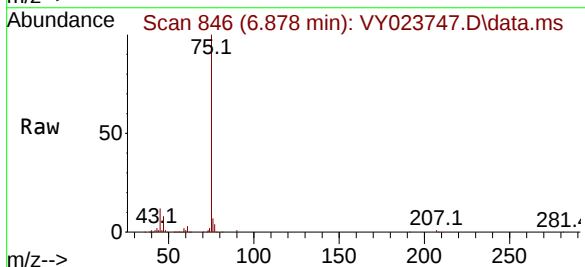
Tgt Ion: 43 Resp: 5274

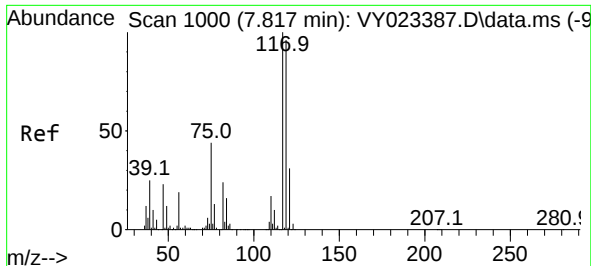
Ion Ratio Lower Upper

43 100

61 107.7 11.8 17.8#

70 4.3 10.5 15.7#

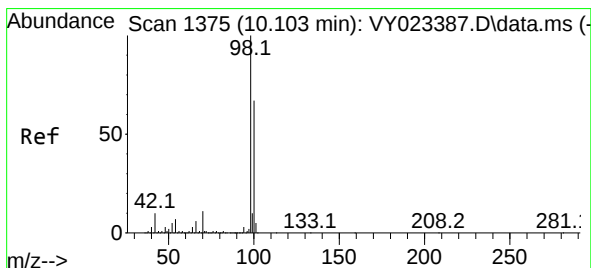
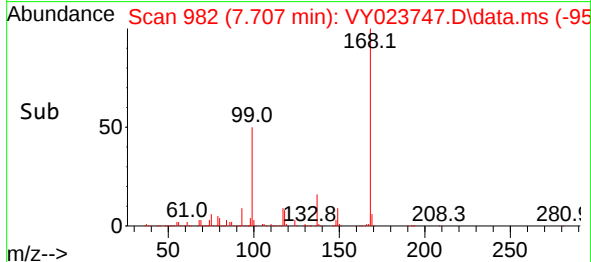
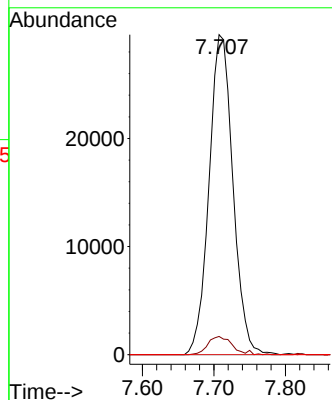
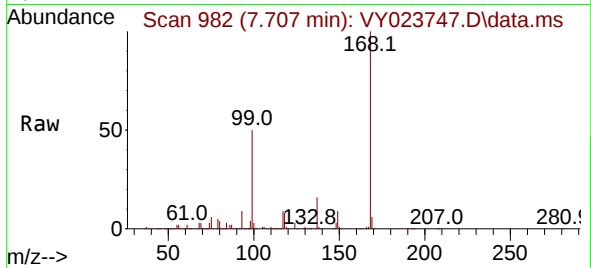




#38
Carbon Tetrachloride
Concen: 5.411 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023747.D
Acq: 11 Nov 2025 17:58

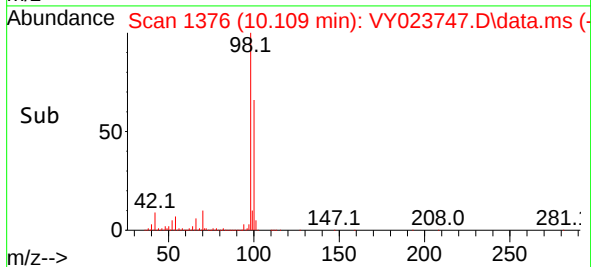
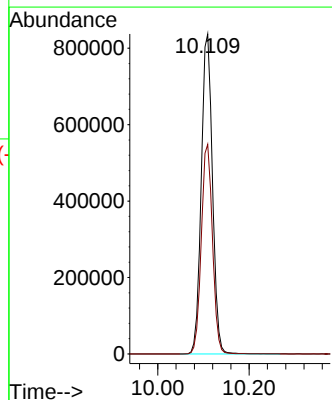
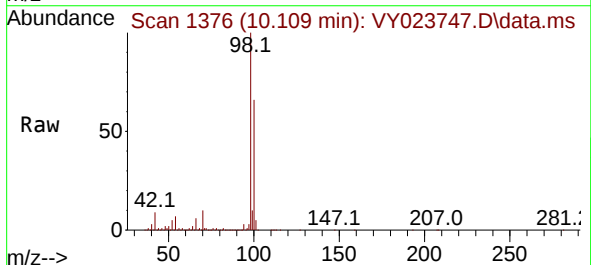
Instrument :
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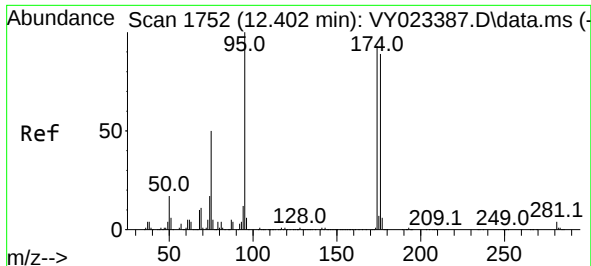
Tgt Ion:117 Resp: 68714
Ion Ratio Lower Upper
117 100
119 5.7 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.103 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023747.D
Acq: 11 Nov 2025 17:58

Tgt Ion: 98 Resp: 1417153
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4

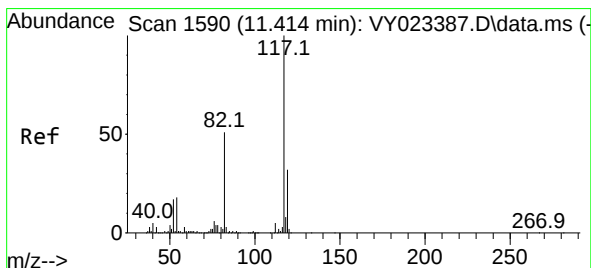
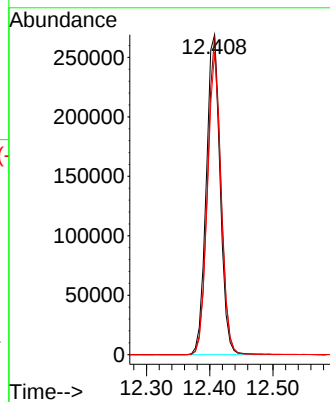
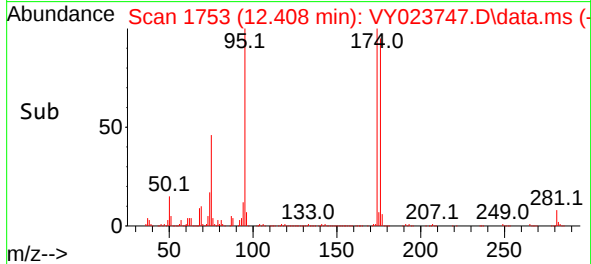
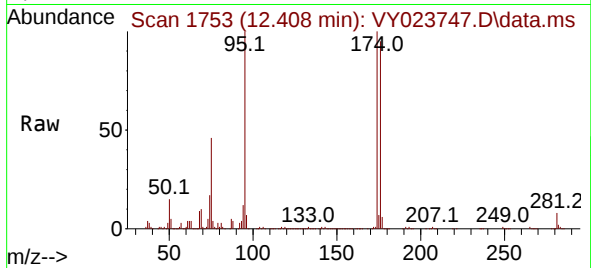




#62
4-Bromofluorobenzene
Concen: 42.250 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023747.D
Acq: 11 Nov 2025 17:58

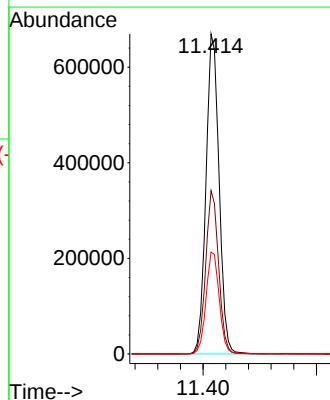
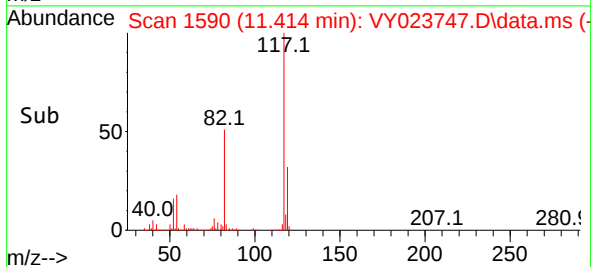
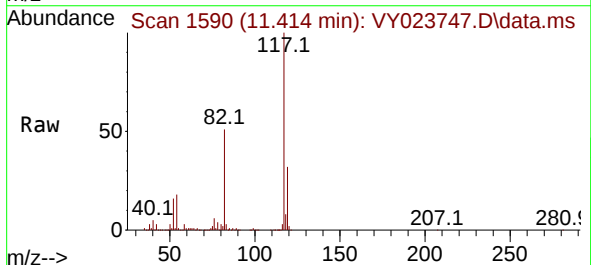
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

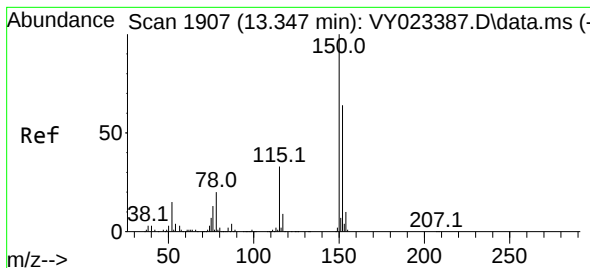
Tgt Ion: 95 Resp: 410951
Ion Ratio Lower Upper
95 100
174 96.5 0.0 192.8
176 92.2 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023747.D
Acq: 11 Nov 2025 17:58

Tgt Ion: 117 Resp: 1073115
Ion Ratio Lower Upper
117 100
82 51.0 41.0 61.4
119 31.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023747.D

Acq: 11 Nov 2025 17:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-4-VOC

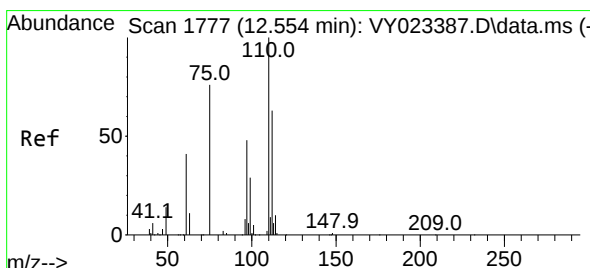
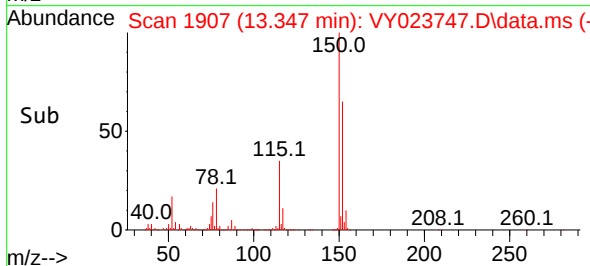
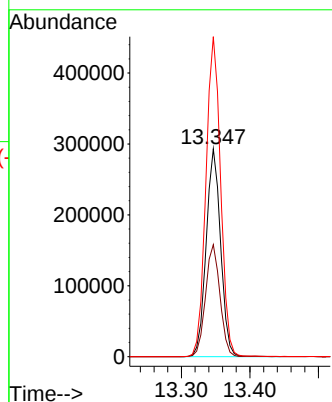
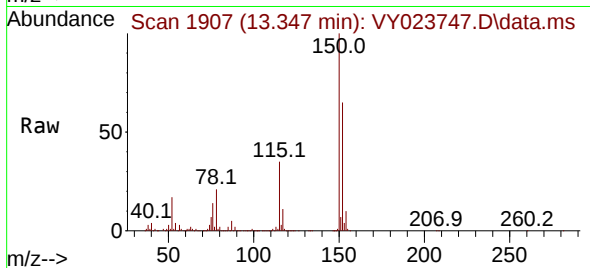
Tgt Ion:152 Resp: 430056

Ion Ratio Lower Upper

152 100

115 54.1 27.1 81.2

150 157.0 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 51.303 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023747.D

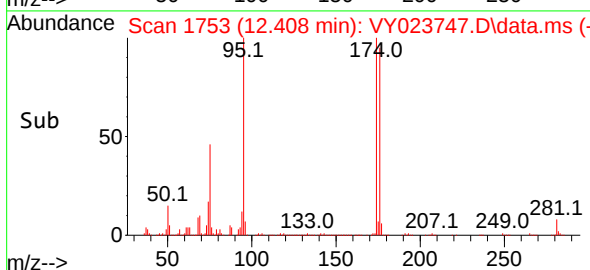
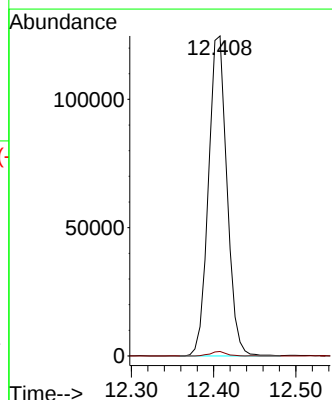
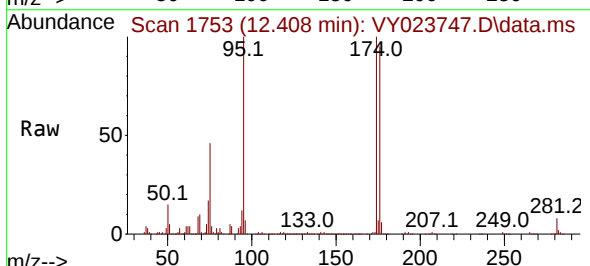
Acq: 11 Nov 2025 17:58

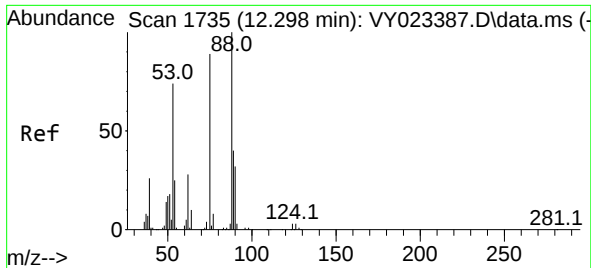
Tgt Ion: 75 Resp: 194656

Ion Ratio Lower Upper

75 100

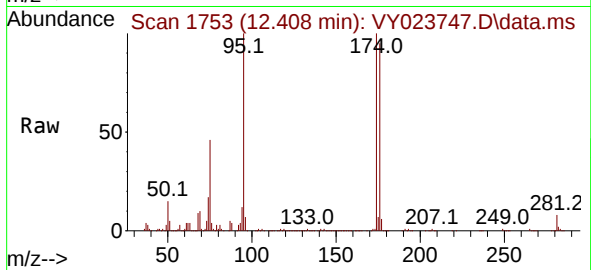
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.805 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023747.D
 Acq: 11 Nov 2025 17:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4-VOC



Tgt Ion: 75 Resp: 194656
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#

