

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023443.D
 Acq On : 10 Oct 2025 16:47
 Operator : SY/MD
 Sample : Q3327-01
 Misc : 4.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 02:00:57 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)

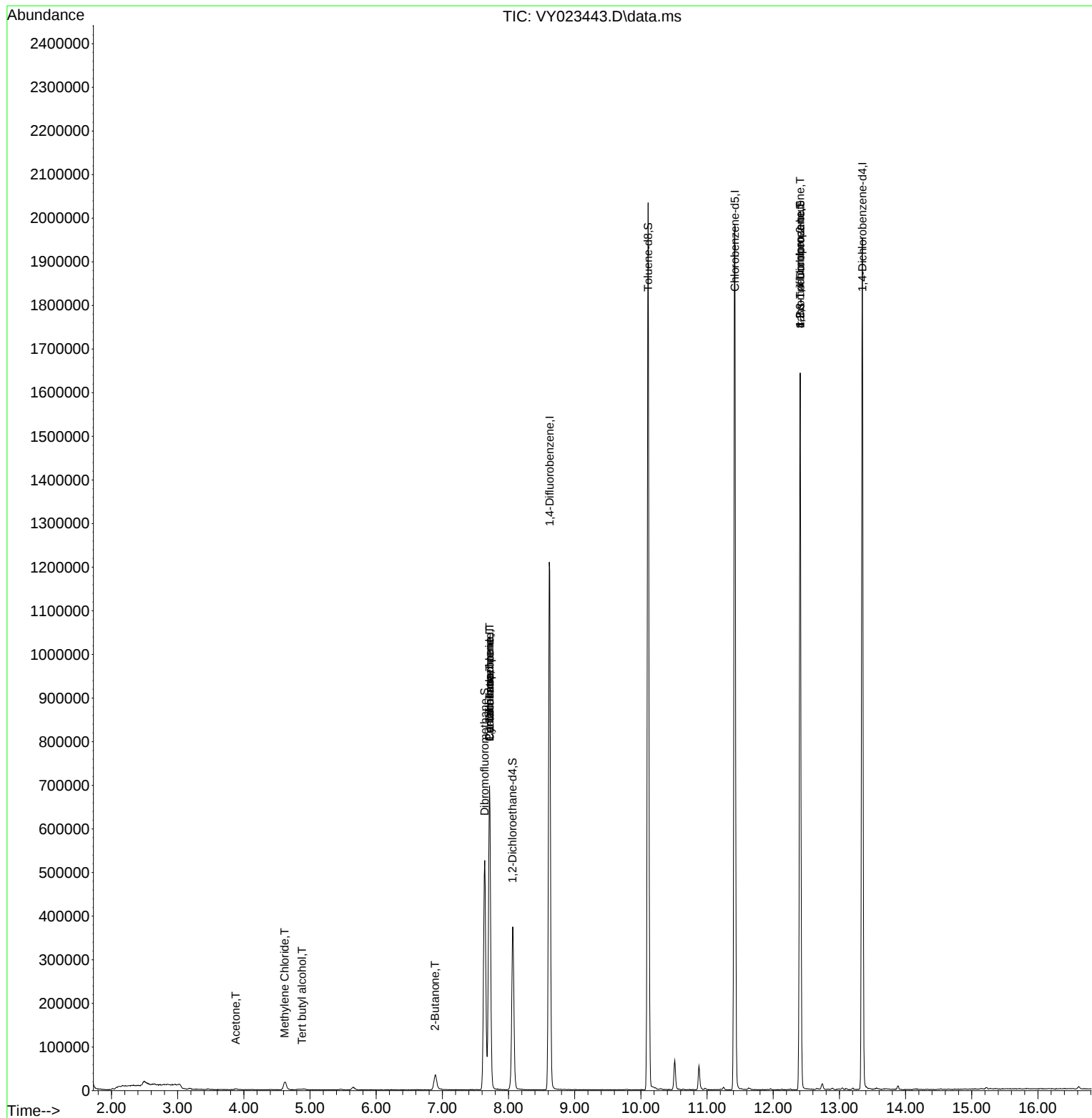
Internal Standards						
1) Pentafluorobenzene	7.713	168	587696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1144298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1167485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	530880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	288772	58.760	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.520%
35) Dibromofluoromethane	7.640	113	372762	53.016	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.040%
50) Toluene-d8	10.109	98	1348517	51.500	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.000%
62) 4-Bromofluorobenzene	12.408	95	472680	54.677	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.878	59	679	1.857	ug/l #	90
16) Acetone	3.879	43	4200	3.590	ug/l	93
20) Methylene Chloride	4.616	84	15277	2.415	ug/l	96
25) 2-Butanone	6.890	43	2197	1.538	ug/l #	55
31) Cyclohexane	7.713	56	9821	1.201	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	38493	4.135	ug/l #	48
38) Carbon Tetrachloride	7.713	117	53146	4.709	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	228589	48.804	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	228589	119.678	ug/l #	15

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

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Quant Title : SW846 8260
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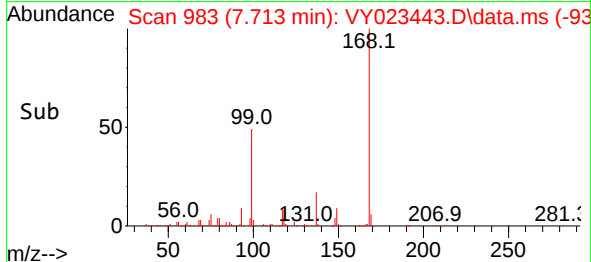
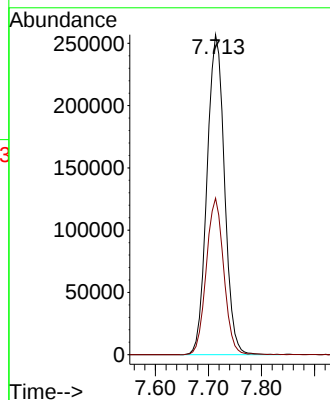
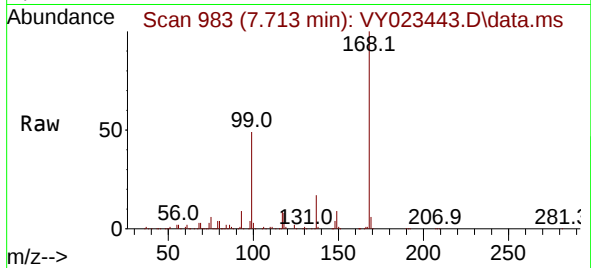




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023443.D
Acq: 10 Oct 2025 16:47

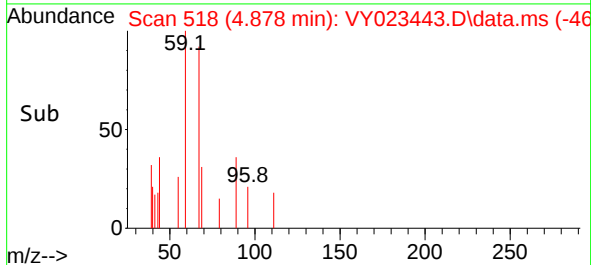
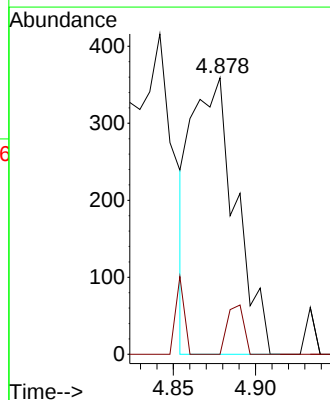
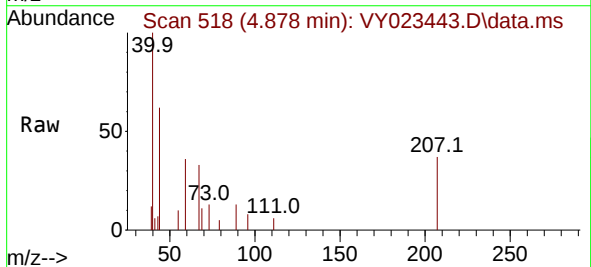
Instrument :
MSVOA_Y
ClientSampleId :

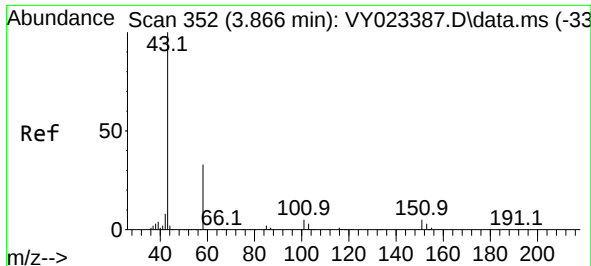
Tgt Ion:168 Resp: 587696
Ion Ratio Lower Upper
168 100
99 48.9 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.857 ug/l
RT: 4.878 min Scan# 518
Delta R.T. 0.018 min
Lab File: VY023443.D
Acq: 10 Oct 2025 16:47

Tgt Ion: 59 Resp: 679
Ion Ratio Lower Upper
59 100
57 6.6 8.3 12.5#

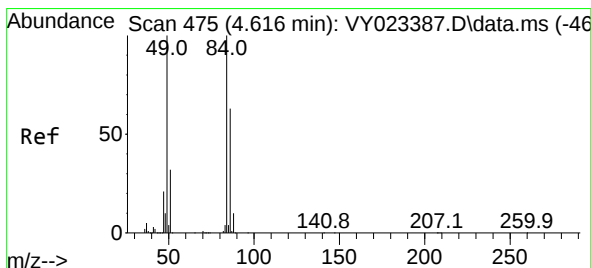
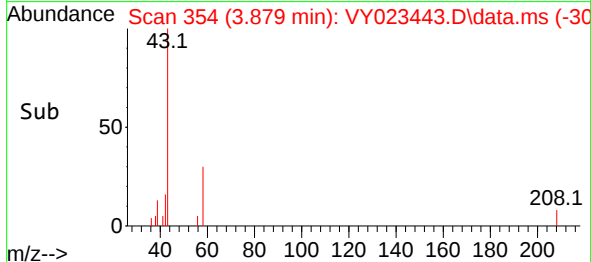
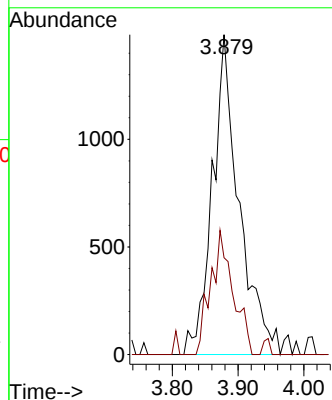
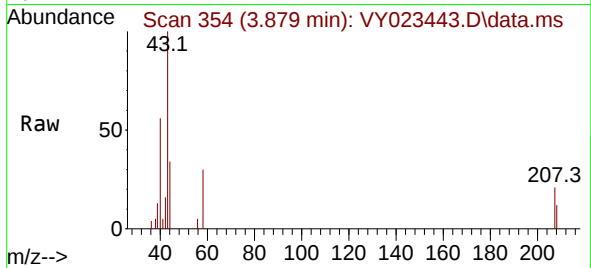




#16
Acetone
Concen: 3.590 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023443.D
Acq: 10 Oct 2025 16:47

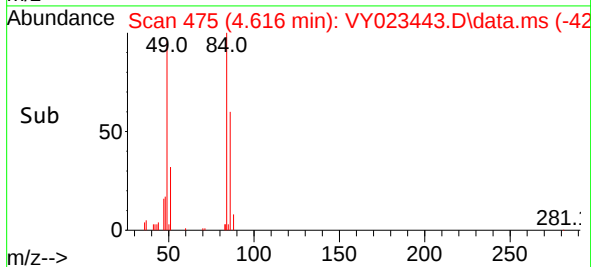
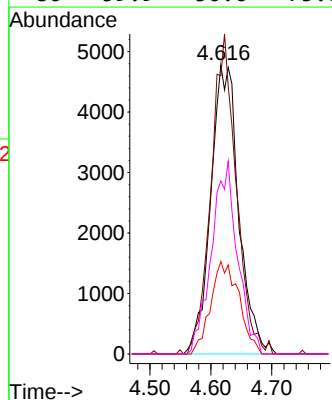
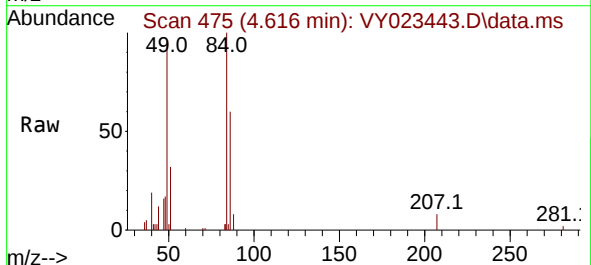
Instrument :
MSVOA_Y
ClientSampleId :

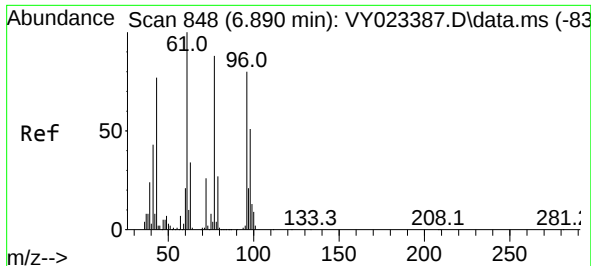
Tgt Ion: 43 Resp: 4200
Ion Ratio Lower Upper
43 100
58 30.3 27.7 41.5



#20
Methylene Chloride
Concen: 2.415 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023443.D
Acq: 10 Oct 2025 16:47

Tgt Ion: 84 Resp: 15277
Ion Ratio Lower Upper
84 100
49 96.3 80.2 120.4
51 31.9 25.9 38.9
86 59.9 50.6 75.8

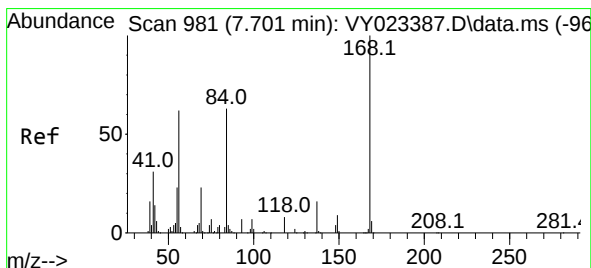
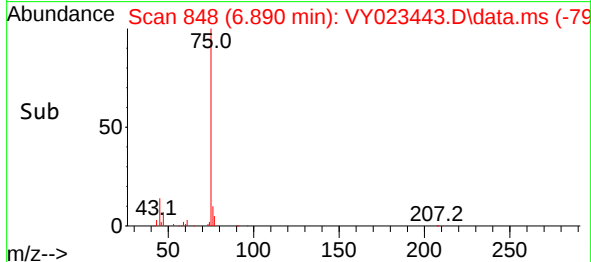
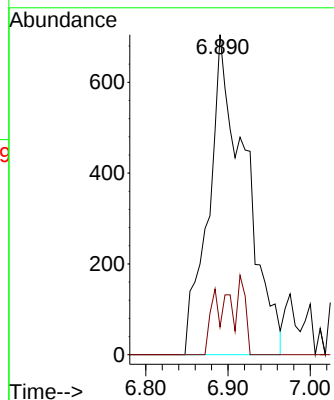
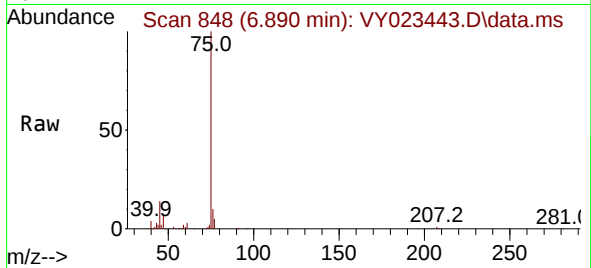




#25
2-Butanone
Concen: 1.538 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY023443.D
Acq: 10 Oct 2025 16:47

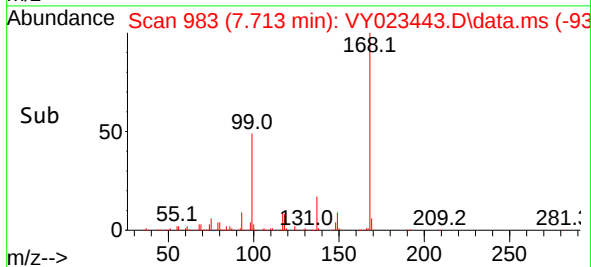
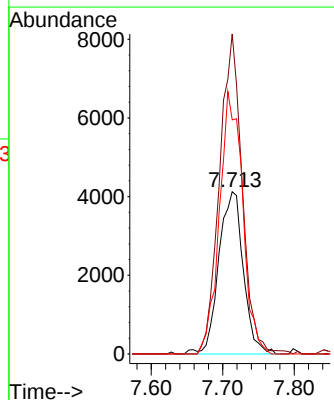
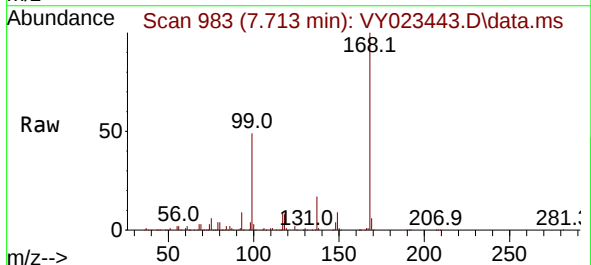
Instrument :
MSVOA_Y
ClientSampleId :

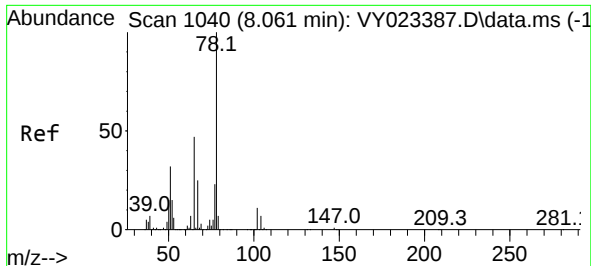
Tgt Ion: 43 Resp: 2197
Ion Ratio Lower Upper
43 100
72 8.7 27.4 41.2#



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023443.D
Acq: 10 Oct 2025 16:47

Tgt Ion: 56 Resp: 9821
Ion Ratio Lower Upper
56 100
69 197.1 30.0 45.0#
84 144.2 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 58.760 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY023443.D

Acq: 10 Oct 2025 16:47

Instrument :

MSVOA_Y

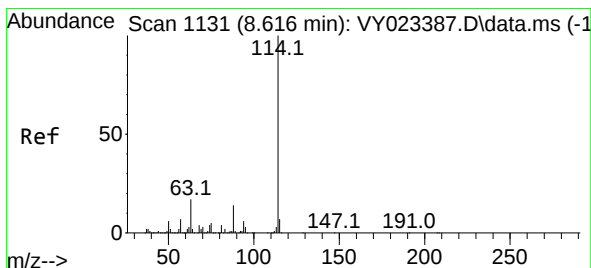
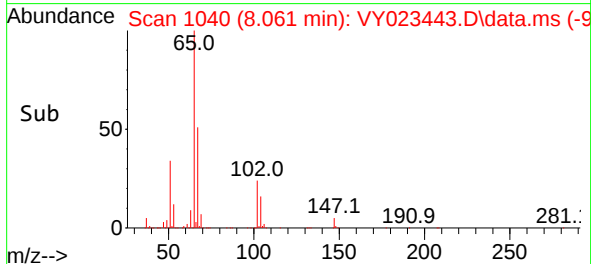
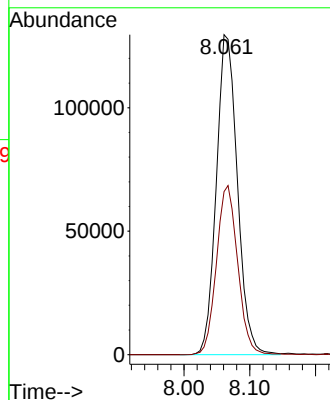
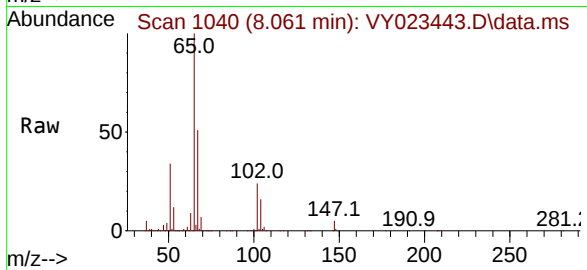
ClientSampleId :

Tgt Ion: 65 Resp: 288772

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023443.D

Acq: 10 Oct 2025 16:47

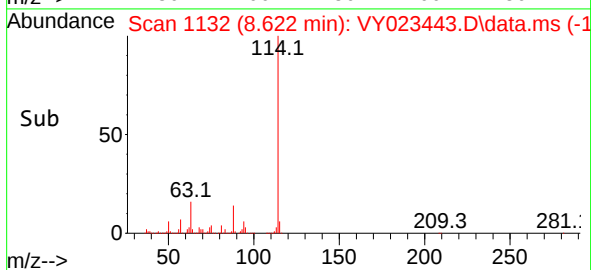
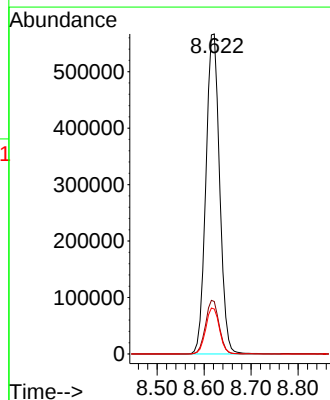
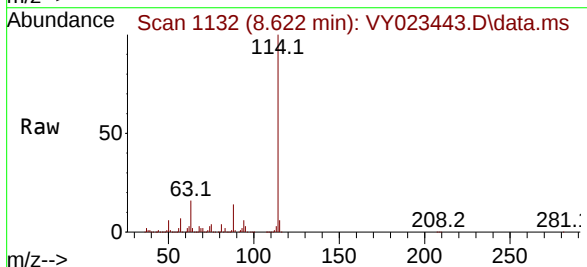
Tgt Ion:114 Resp: 1144298

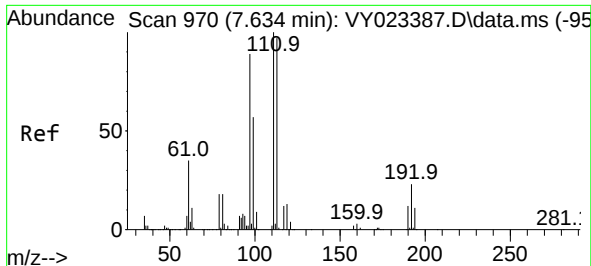
Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.2

88 14.1 0.0 28.4

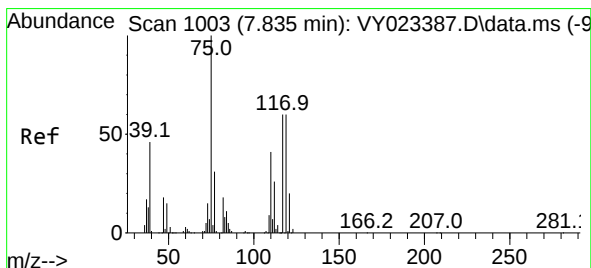
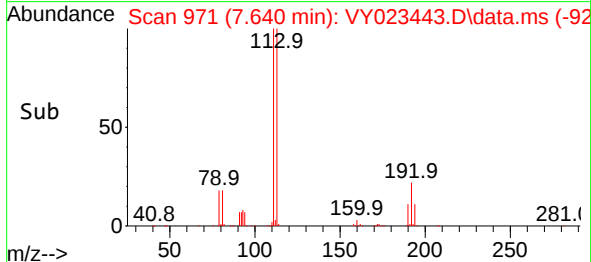
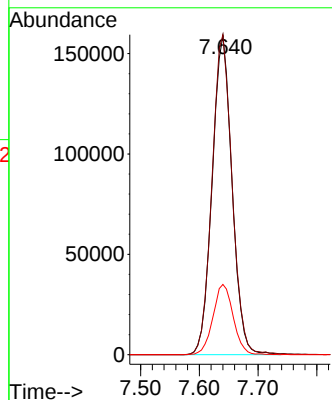
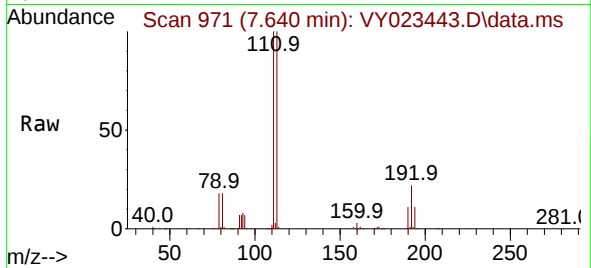




#35
Dibromofluoromethane
Concen: 53.016 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023443.D
Acq: 10 Oct 2025 16:47

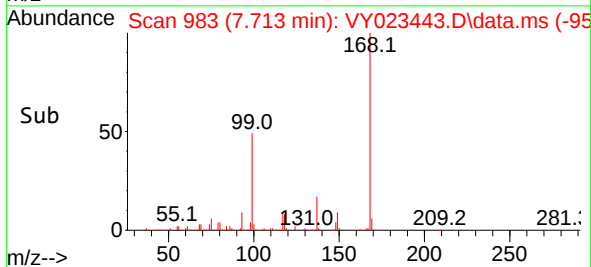
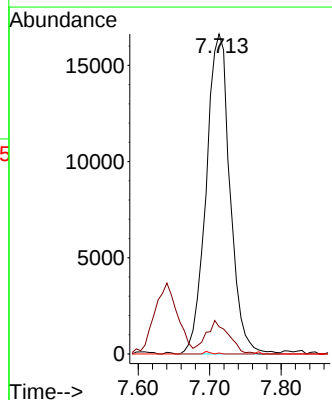
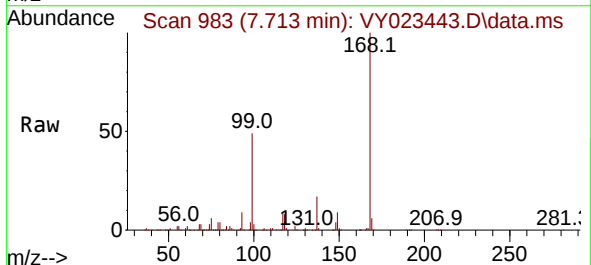
Instrument :
MSVOA_Y
ClientSampleId :

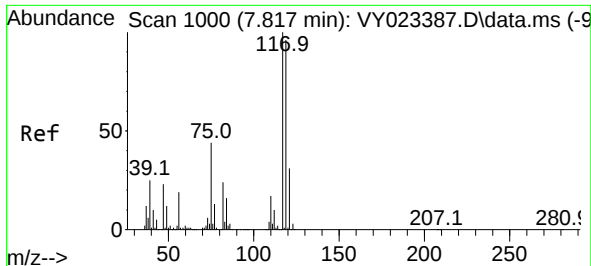
Tgt Ion:113 Resp: 372762
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.6
192 22.5 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.135 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023443.D
Acq: 10 Oct 2025 16:47

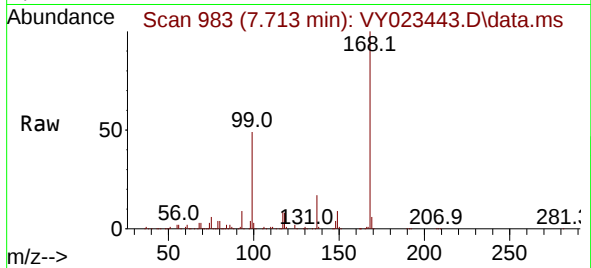
Tgt Ion: 75 Resp: 38493
Ion Ratio Lower Upper
75 100
110 10.0 19.9 59.7#
77 0.2 25.0 37.6#



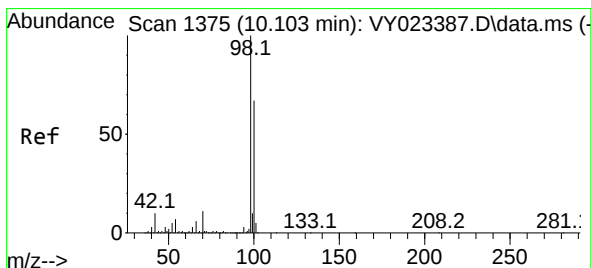
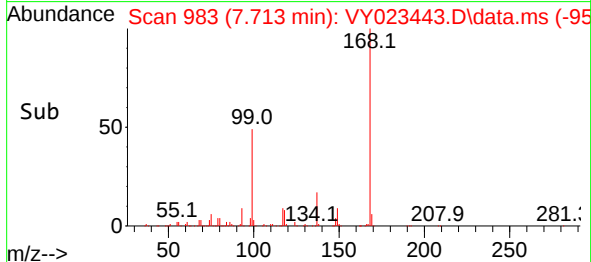
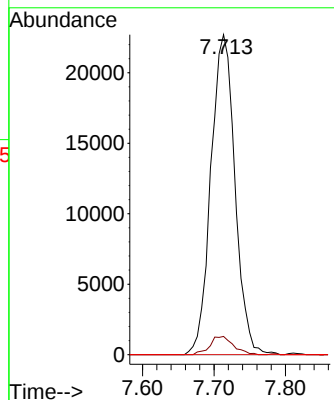


#38
Carbon Tetrachloride
Concen: 4.709 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023443.D
Acq: 10 Oct 2025 16:47

Instrument :
MSVOA_Y
ClientSampleId :

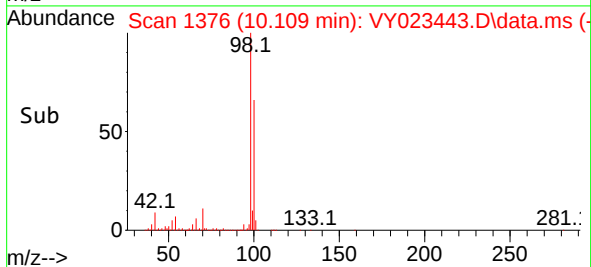
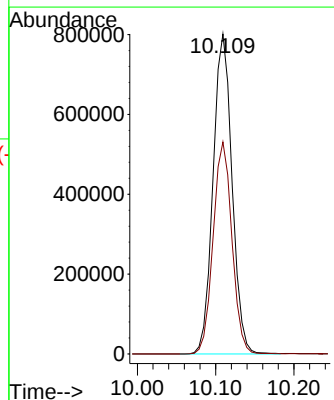
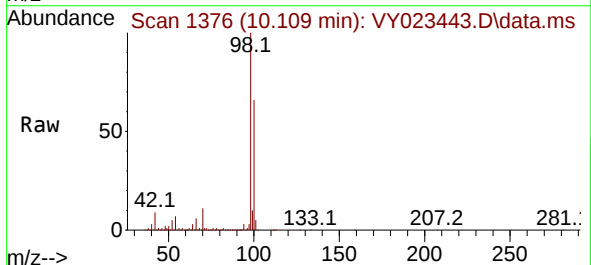


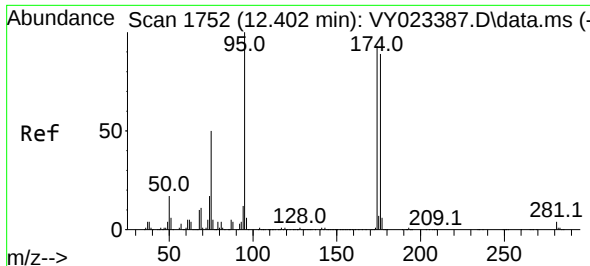
Tgt Ion:117 Resp: 53146
Ion Ratio Lower Upper
117 100
119 5.7 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.500 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023443.D
Acq: 10 Oct 2025 16:47

Tgt Ion: 98 Resp: 1348517
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4

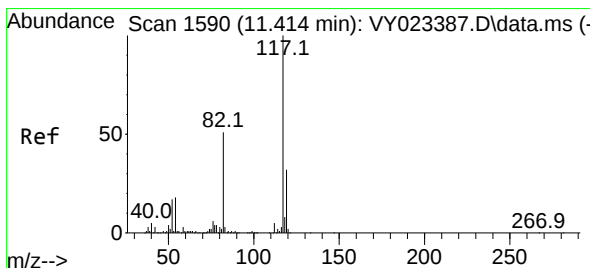
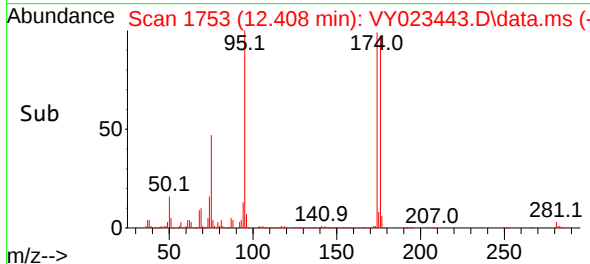
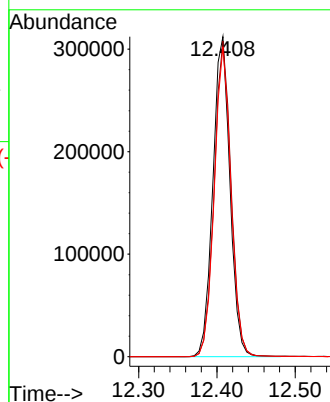
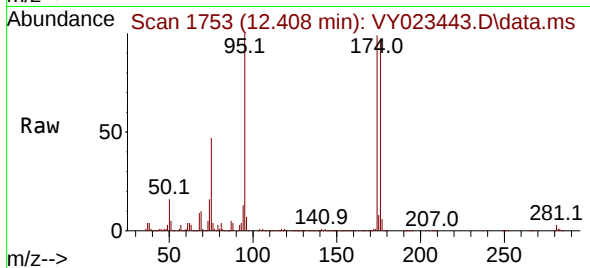




#62
4-Bromofluorobenzene
Concen: 54.677 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023443.D
Acq: 10 Oct 2025 16:47

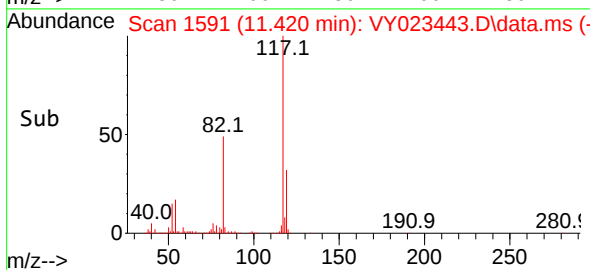
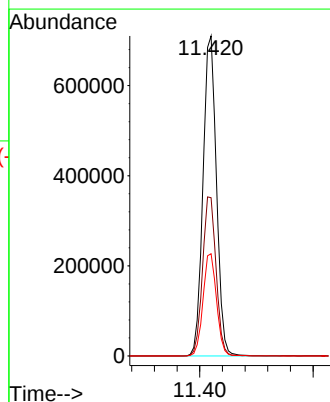
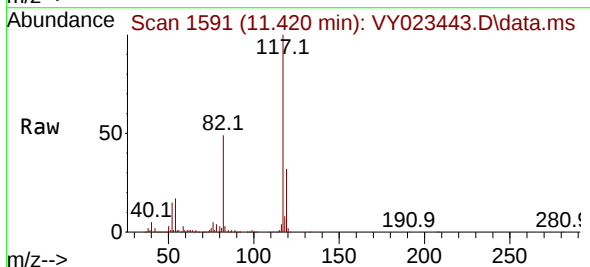
Instrument :
MSVOA_Y
ClientSampleId :

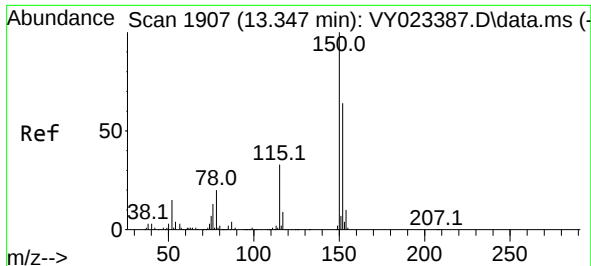
Tgt Ion: 95 Resp: 472680
Ion Ratio Lower Upper
95 100
174 98.1 0.0 192.8
176 94.7 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023443.D
Acq: 10 Oct 2025 16:47

Tgt Ion: 117 Resp: 1167485
Ion Ratio Lower Upper
117 100
82 49.5 41.0 61.4
119 31.9 25.6 38.4

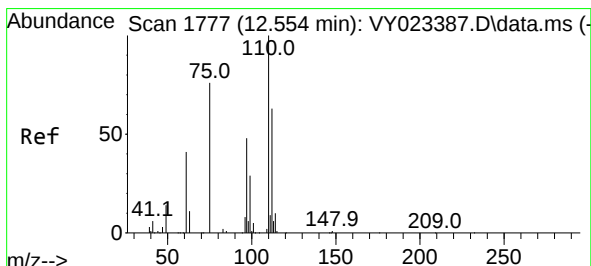
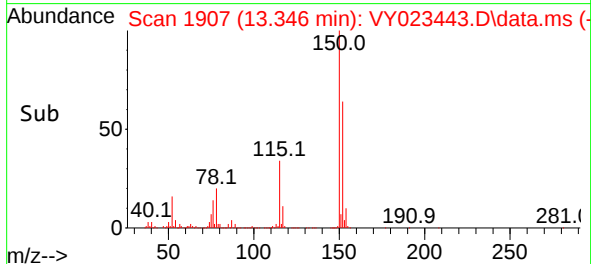
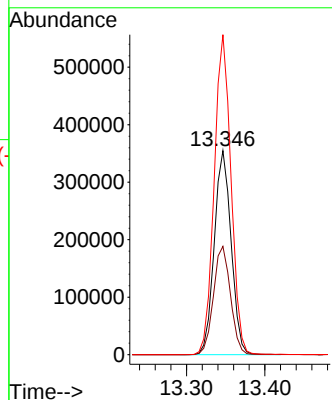
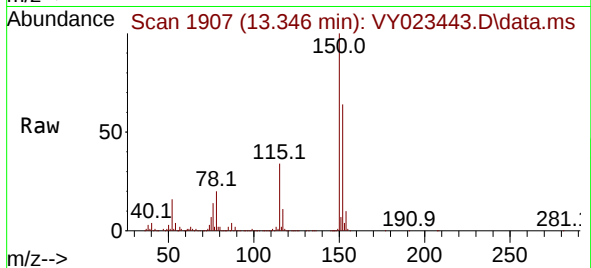




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023443.D
 Acq: 10 Oct 2025 16:47

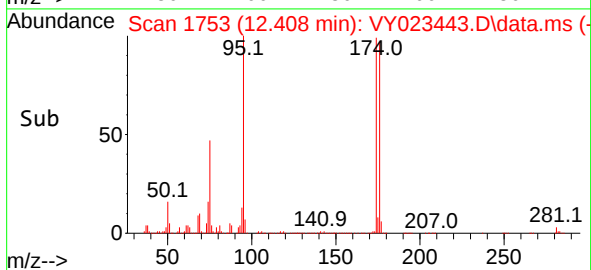
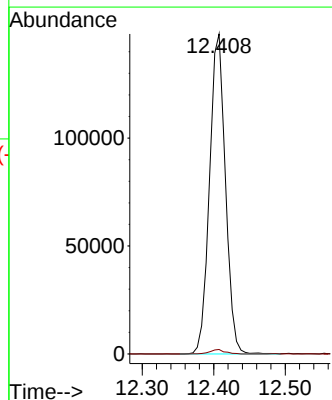
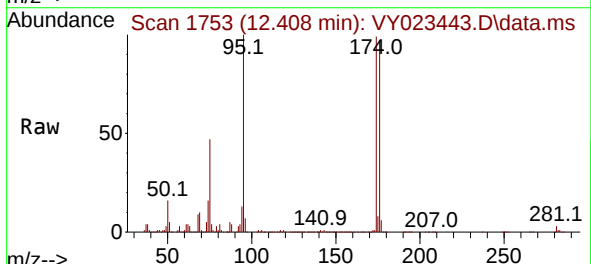
Instrument :
 MSVOA_Y
 ClientSampleId :

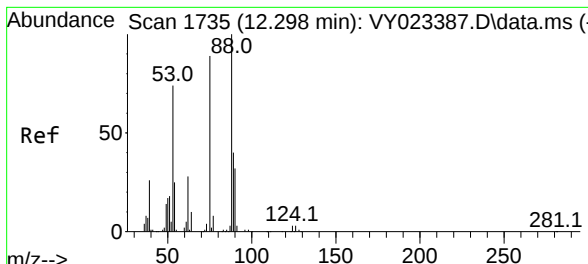
Tgt Ion:152 Resp: 530880
 Ion Ratio Lower Upper
 152 100
 115 53.7 27.1 81.2
 150 156.5 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 48.804 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023443.D
 Acq: 10 Oct 2025 16:47

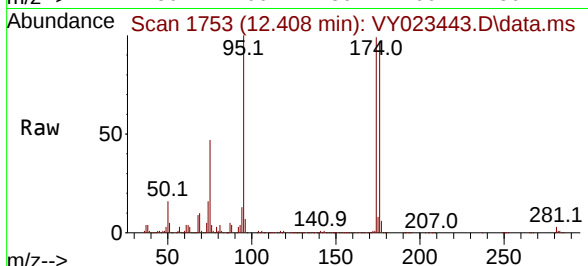
Tgt Ion: 75 Resp: 228589
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.678 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023443.D
 Acq: 10 Oct 2025 16:47

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 228589
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.0 39.0 58.4#

