

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023572.D
 Acq On : 24 Oct 2025 14:51
 Operator : SY/MD
 Sample : Q3449-02
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CF-620-VOC-41

Quant Time: Oct 24 23:51:56 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)

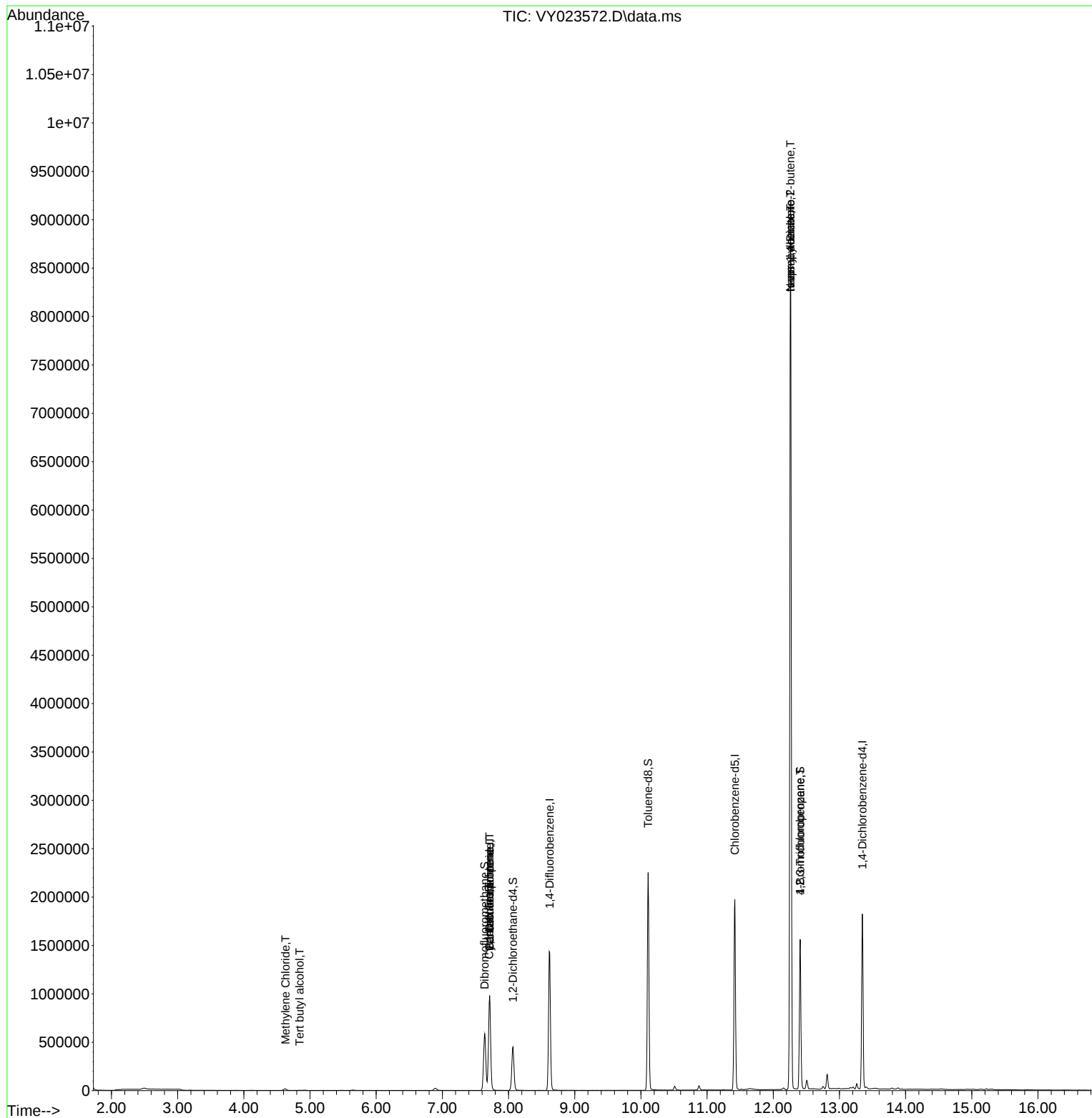
Internal Standards						
1) Pentafluorobenzene	7.713	168	826691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1352230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1136153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	493512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	343112	49.633	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.260%
35) Dibromofluoromethane	7.640	113	419312	50.466	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.940%
50) Toluene-d8	10.109	98	1499784	48.470	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.940%
62) 4-Bromofluorobenzene	12.408	95	463682	45.389	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.780%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	1012	1.968	ug/l #	72
20) Methylene Chloride	4.628	84	13465	1.513	ug/l	97
31) Cyclohexane	7.707	56	12396	1.078	ug/l #	6
36) 1,1-Dichloropropene	7.713	75	51021	4.638	ug/l #	48
38) Carbon Tetrachloride	7.713	117	72229	5.415	ug/l #	16
73) Isopropylbenzene	12.261	105	379265	11.661	ug/l #	58
74) N-amyl acetate	12.261	43	127130	21.763	ug/l #	7
76) 1,2,3-Trichloropropane	12.408	75	222536	51.110	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.261	75	10289	5.795	ug/l #	1

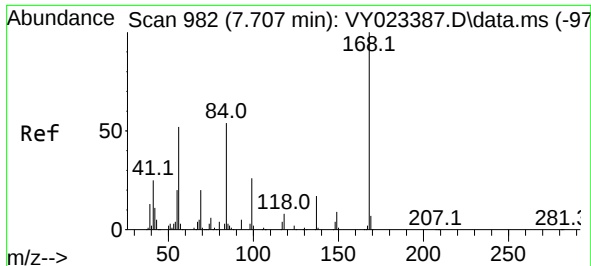
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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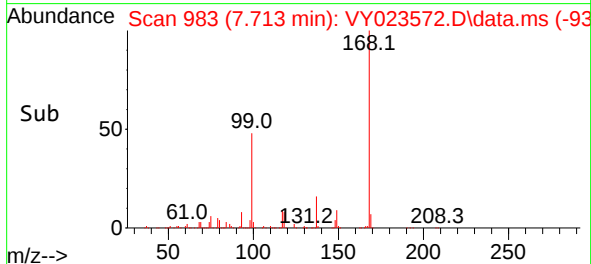
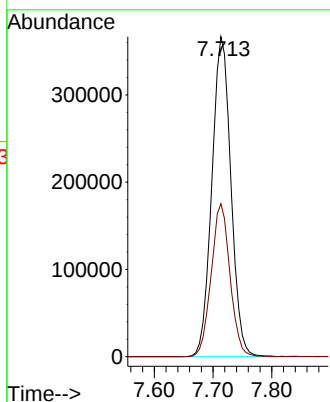
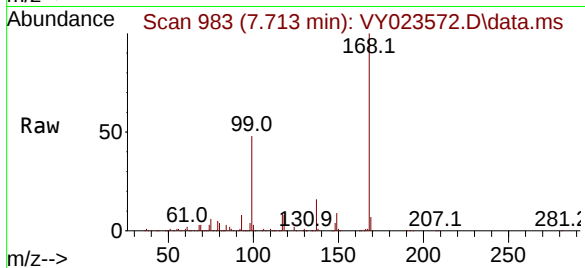




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

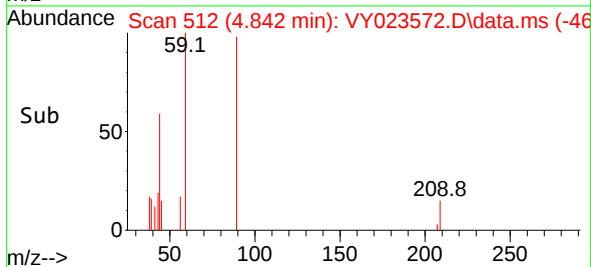
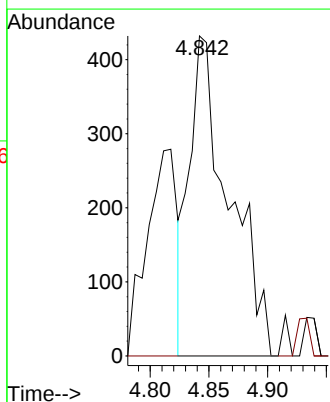
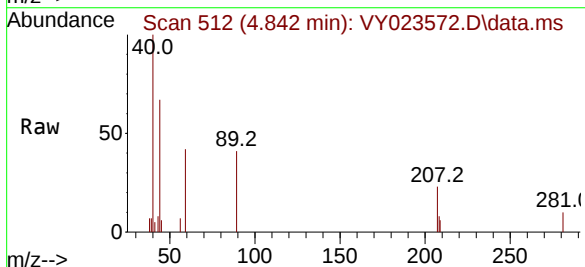
Instrument :
MSVOA_Y
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CF-620-VOC-41

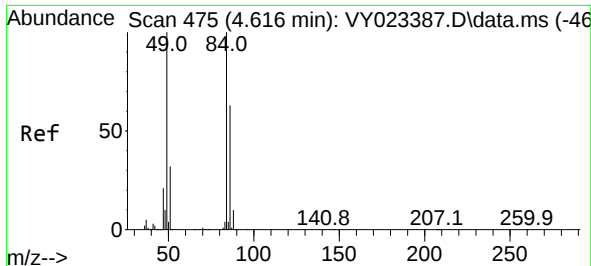
Tgt Ion:168 Resp: 826691
Ion Ratio Lower Upper
168 100
99 47.8 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.968 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

Tgt Ion: 59 Resp: 1012
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

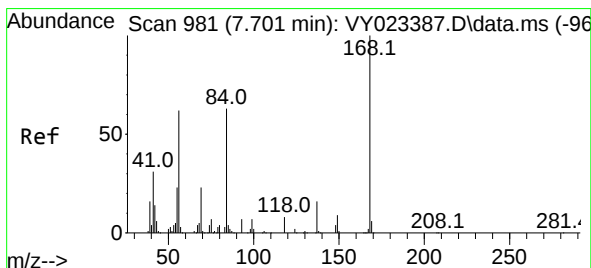
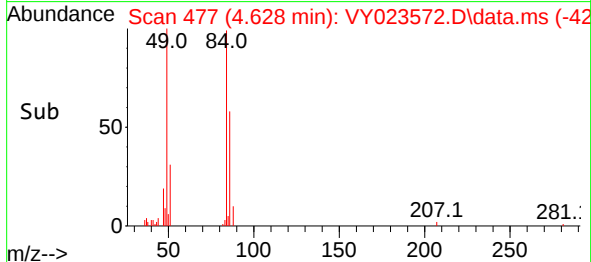
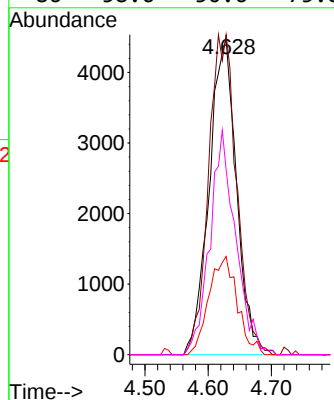
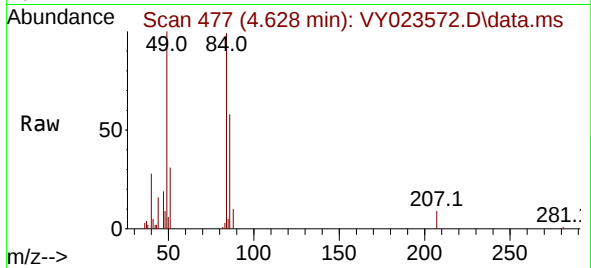




#20
Methylene Chloride
Concen: 1.513 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

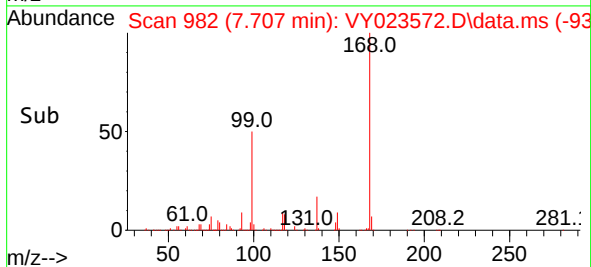
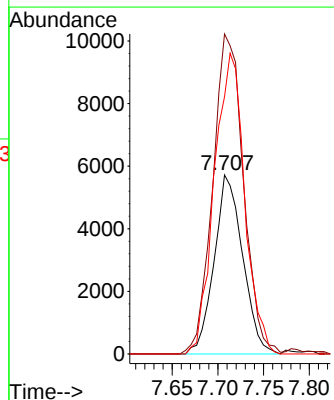
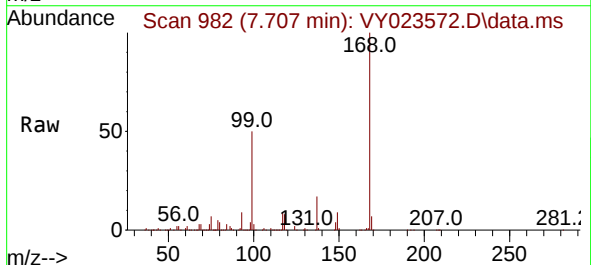
Instrument :
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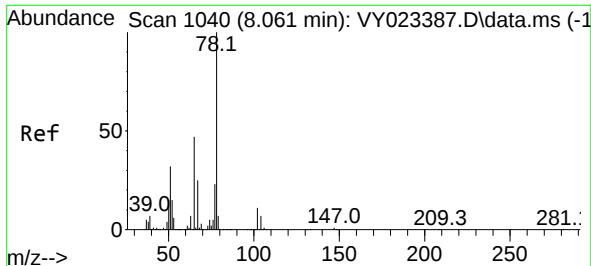
Tgt Ion:	84	Resp:	13465
Ion	Ratio	Lower	Upper
84	100		
49	101.3	80.2	120.4
51	31.1	25.9	38.9
86	58.6	50.6	75.8



#31
Cyclohexane
Concen: 1.078 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

Tgt Ion:	56	Resp:	12396
Ion	Ratio	Lower	Upper
56	100		
69	178.8	30.0	45.0#
84	143.7	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 49.633 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023572.D

Acq: 24 Oct 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

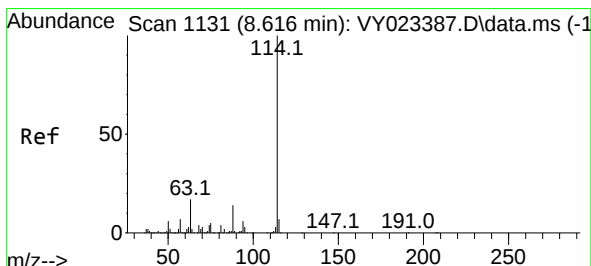
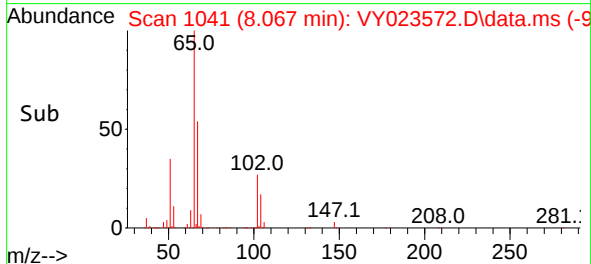
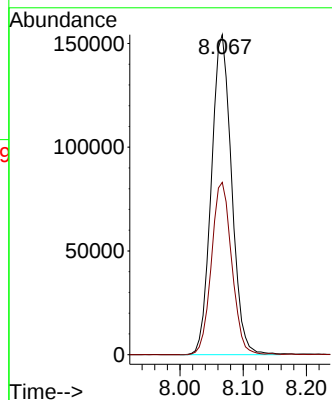
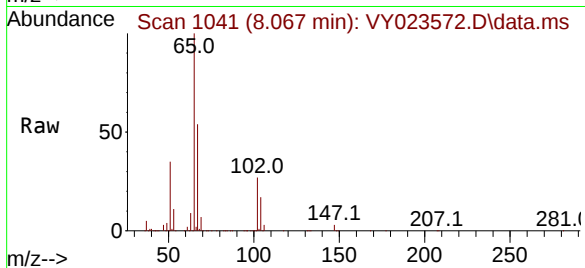
CF-620-VOC-41

Tgt Ion: 65 Resp: 343112

Ion Ratio Lower Upper

65 100

67 53.8 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: VY023572.D

Acq: 24 Oct 2025 14:51

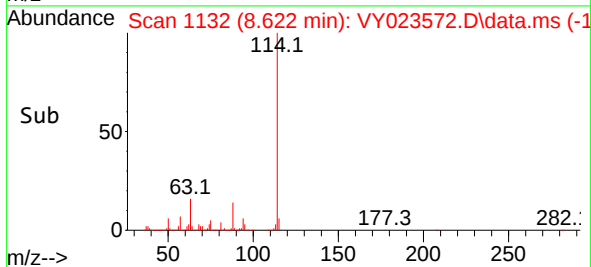
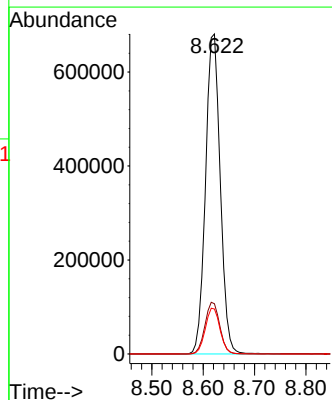
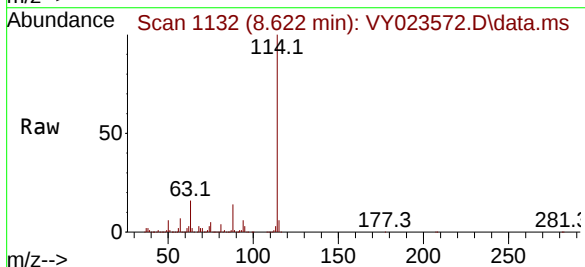
Tgt Ion: 114 Resp: 1352230

Ion Ratio Lower Upper

114 100

63 15.7 0.0 34.2

88 14.0 0.0 28.4

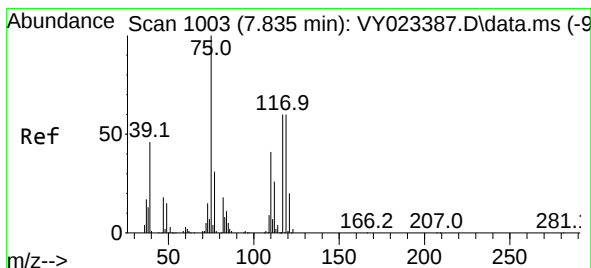
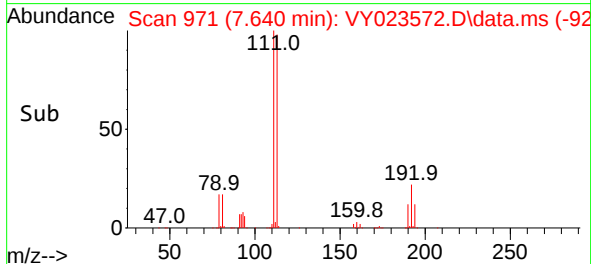
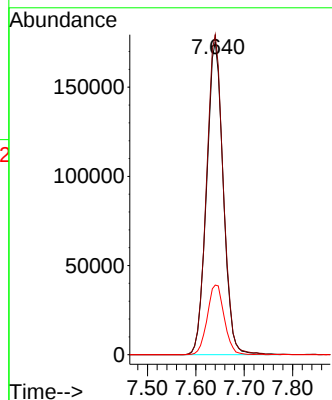
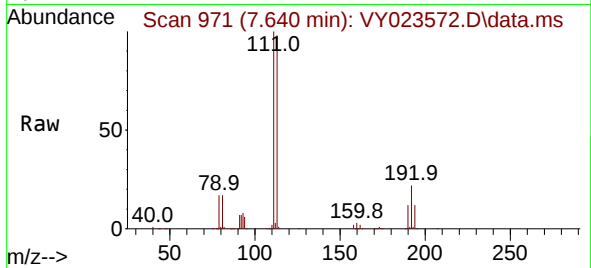




#35
Dibromofluoromethane
Concen: 50.466 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

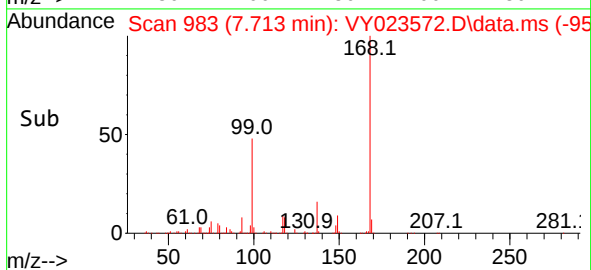
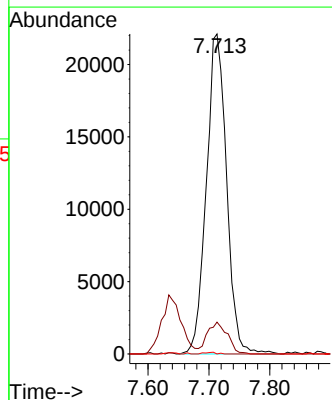
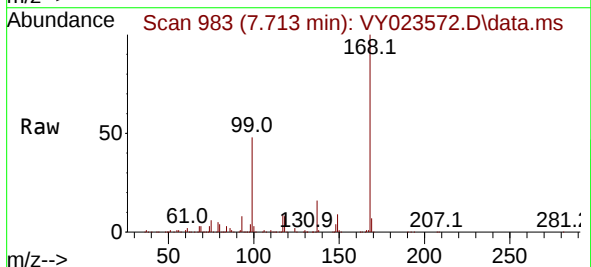
Instrument :
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ClientSampleId :
CF-620-VOC-41

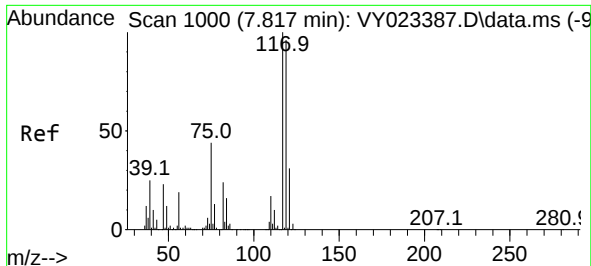
Tgt Ion:113 Resp: 419312
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 22.7 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.638 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

Tgt Ion: 75 Resp: 51021
Ion Ratio Lower Upper
75 100
110 9.9 19.9 59.7#
77 0.3 25.0 37.6#

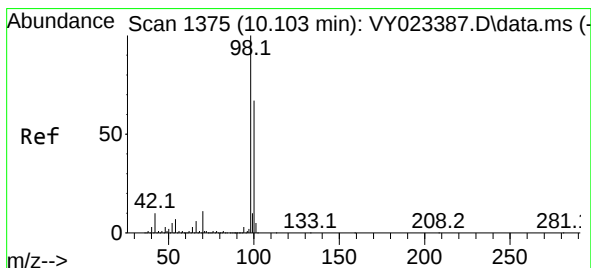
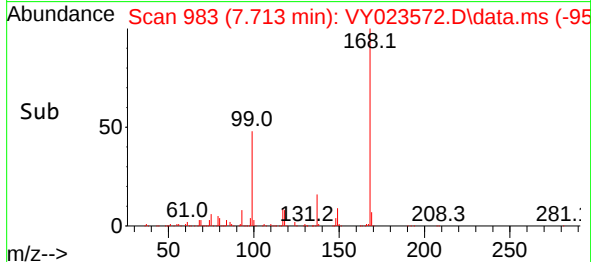
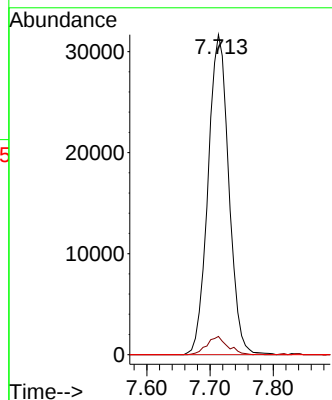
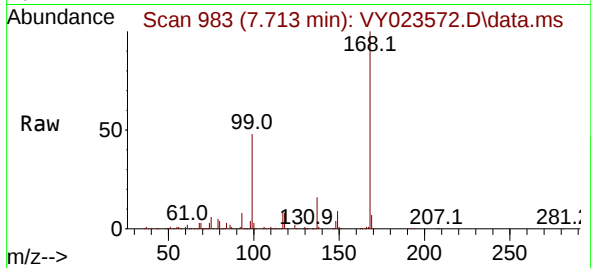




#38
Carbon Tetrachloride
Concen: 5.415 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

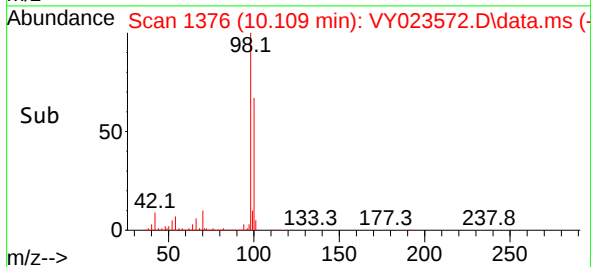
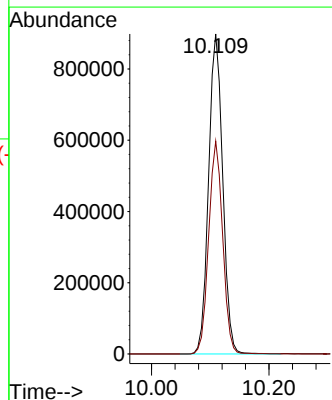
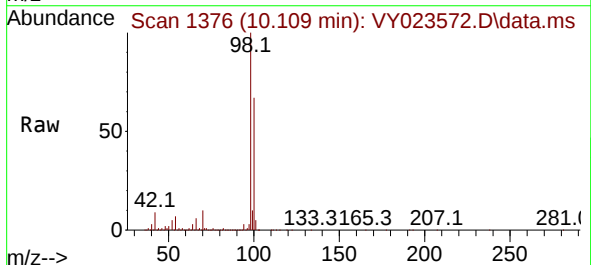
Instrument :
MSVOA_Y
ClientSampleId :
CF-620-VOC-41

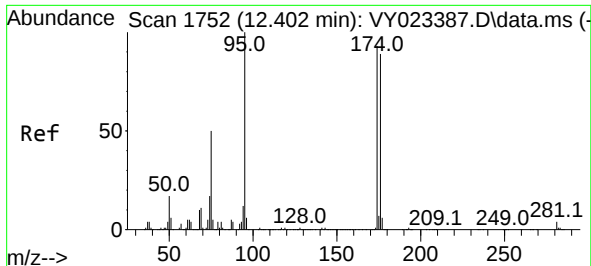
Tgt Ion:117 Resp: 72229
Ion Ratio Lower Upper
117 100
119 5.7 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.470 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

Tgt Ion: 98 Resp: 1499784
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4

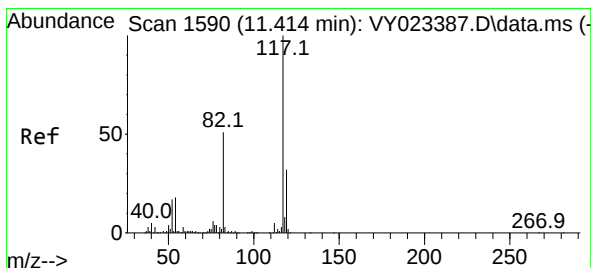
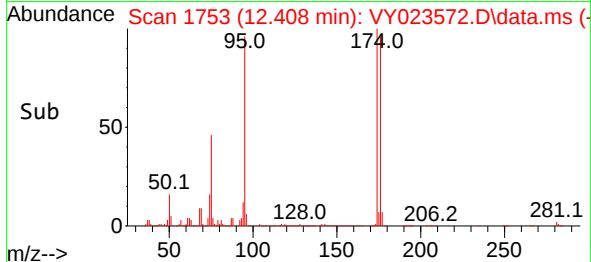
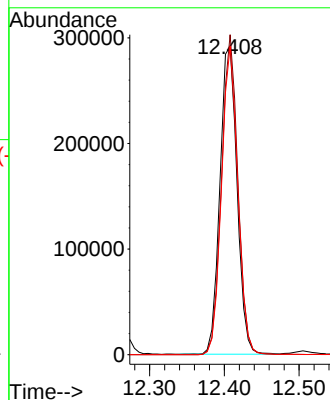
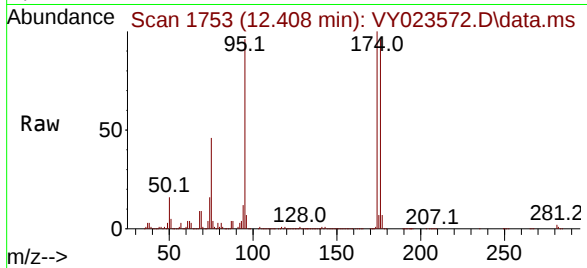




#62
4-Bromofluorobenzene
Concen: 45.389 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

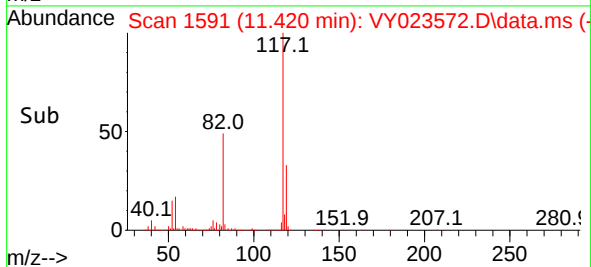
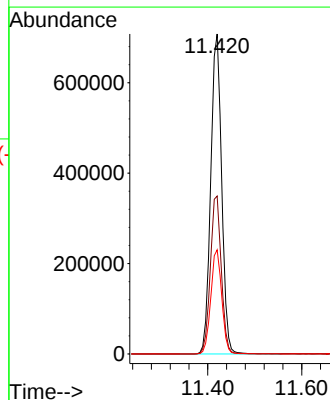
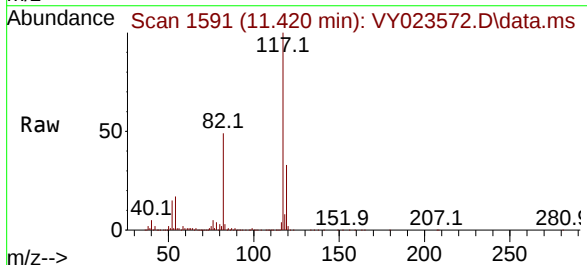
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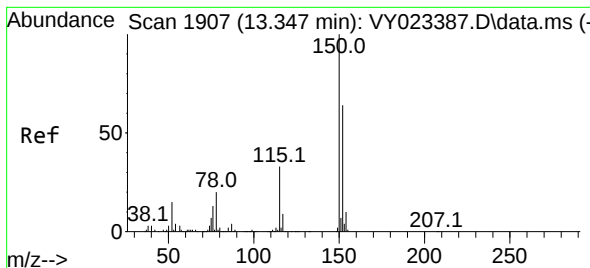
Tgt Ion: 95 Resp: 463682
Ion Ratio Lower Upper
95 100
174 99.2 0.0 192.8
176 95.2 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

Tgt Ion: 117 Resp: 1136153
Ion Ratio Lower Upper
117 100
82 49.4 41.0 61.4
119 32.5 25.6 38.4

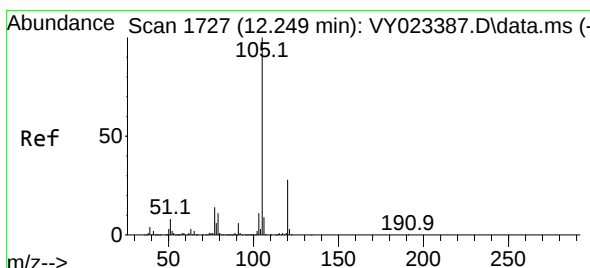
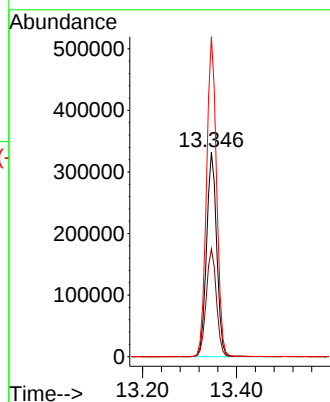
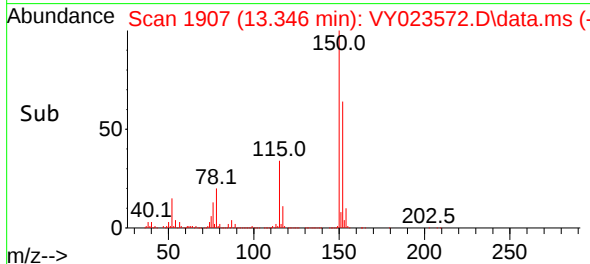
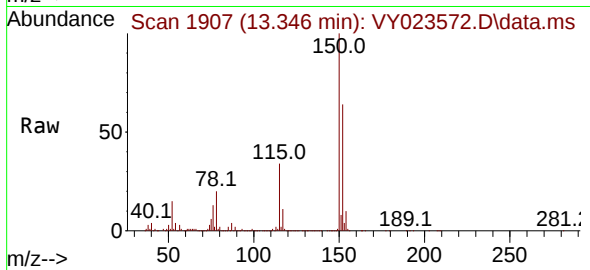




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

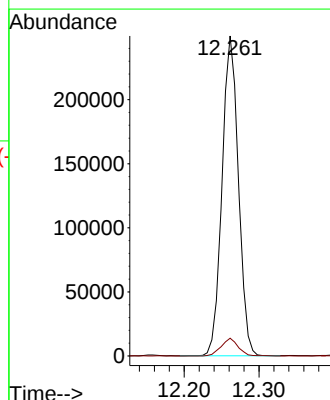
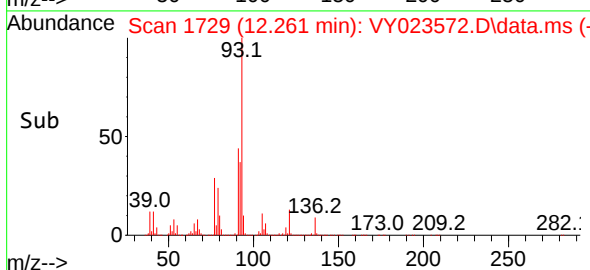
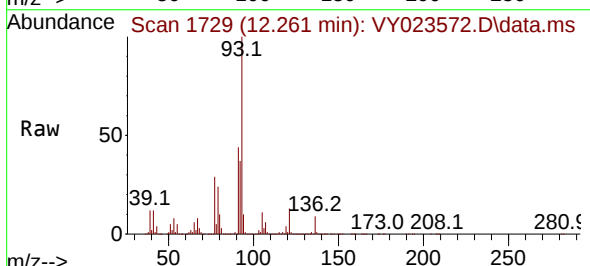
Instrument :
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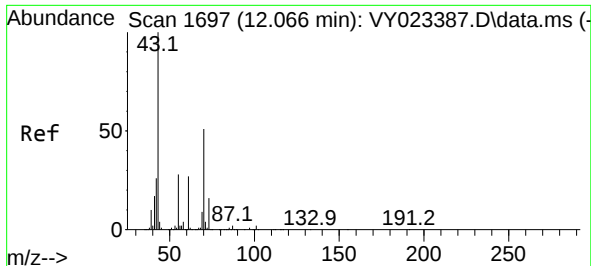
Tgt Ion:152 Resp: 493512
Ion Ratio Lower Upper
152 100
115 52.9 27.1 81.2
150 156.1 0.0 347.4



#73
Isopropylbenzene
Concen: 11.661 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.012 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

Tgt Ion:105 Resp: 379265
Ion Ratio Lower Upper
105 100
120 5.8 13.9 41.7#

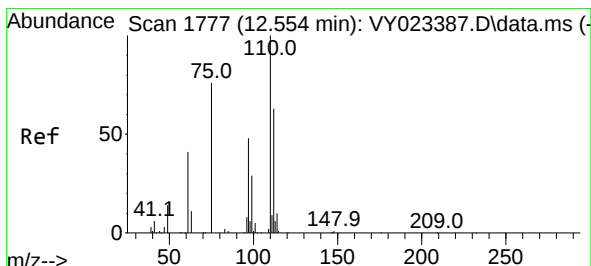
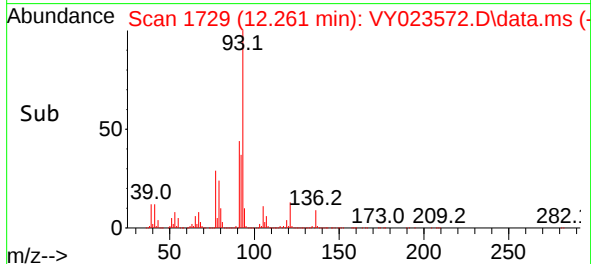
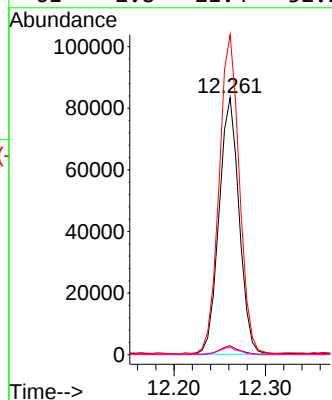
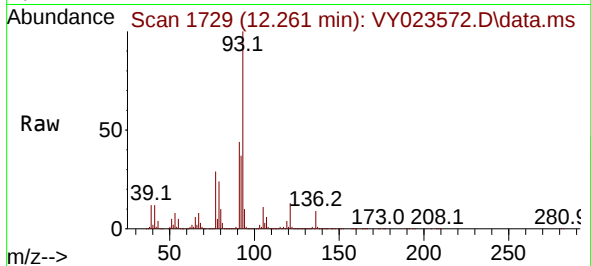




#74
N-amy1 acetate
Concen: 21.763 ug/l
RT: 12.261 min Scan# 1753
Delta R.T. 0.195 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

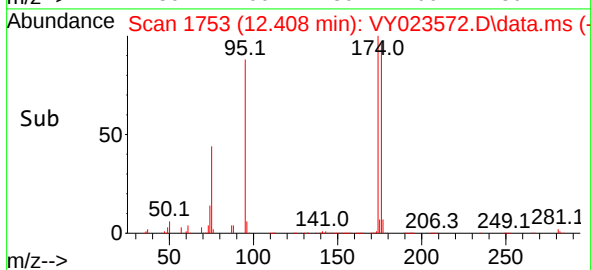
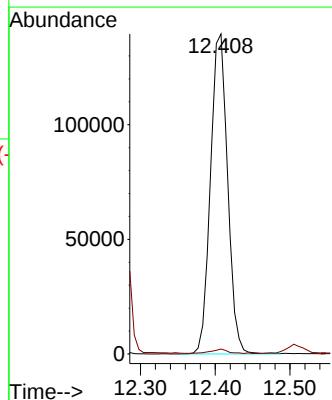
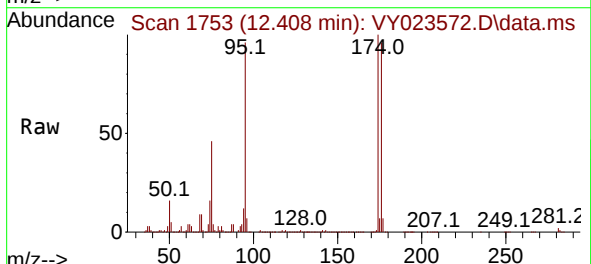
Instrument :
MSVOA_Y
ClientSampleId :
CF-620-VOC-41

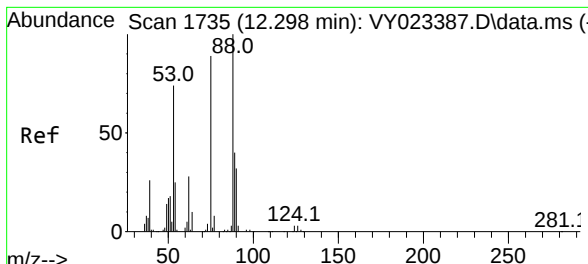
Tgt Ion: 43	Resp: 127130
Ion Ratio	Lower Upper
43 100	
70 3.4	41.1 61.7#
55 125.4	23.0 34.6#
61 2.8	21.4 32.2#



#76
1,2,3-Trichloropropane
Concen: 51.110 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023572.D
Acq: 24 Oct 2025 14:51

Tgt Ion: 75	Resp: 222536
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 5.795 ug/l
 RT: 12.261 min Scan# 11
 Delta R.T. -0.037 min
 Lab File: VY023572.D
 Acq: 24 Oct 2025 14:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 CF-620-VOC-41

Tgt Ion: 75 Resp: 10289
 Ion Ratio Lower Upper
 75 100
 53 2484.0 68.6 102.8#
 89 234.3 39.0 58.4#

