

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080525\
 Data File : VR026705.D
 Acq On : 5 Aug 2025 10:44
 Operator : SY/MD
 Sample : VR0805WBL02
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Aug 06 01:19:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 02:27:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.295	168	450916	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.322	114	827020	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.531	117	629283	50.000	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	13.735	152	283302	50.000	ug/l	-0.01

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.683	65	293125	51.361	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.720%
34) Dibromofluoromethane	7.195	113	233662	45.680	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.360%
49) Toluene-d8	10.029	98	946937	51.672	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.340%
61) 4-Bromofluorobenzene	12.667	95	250148	47.991	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.980%

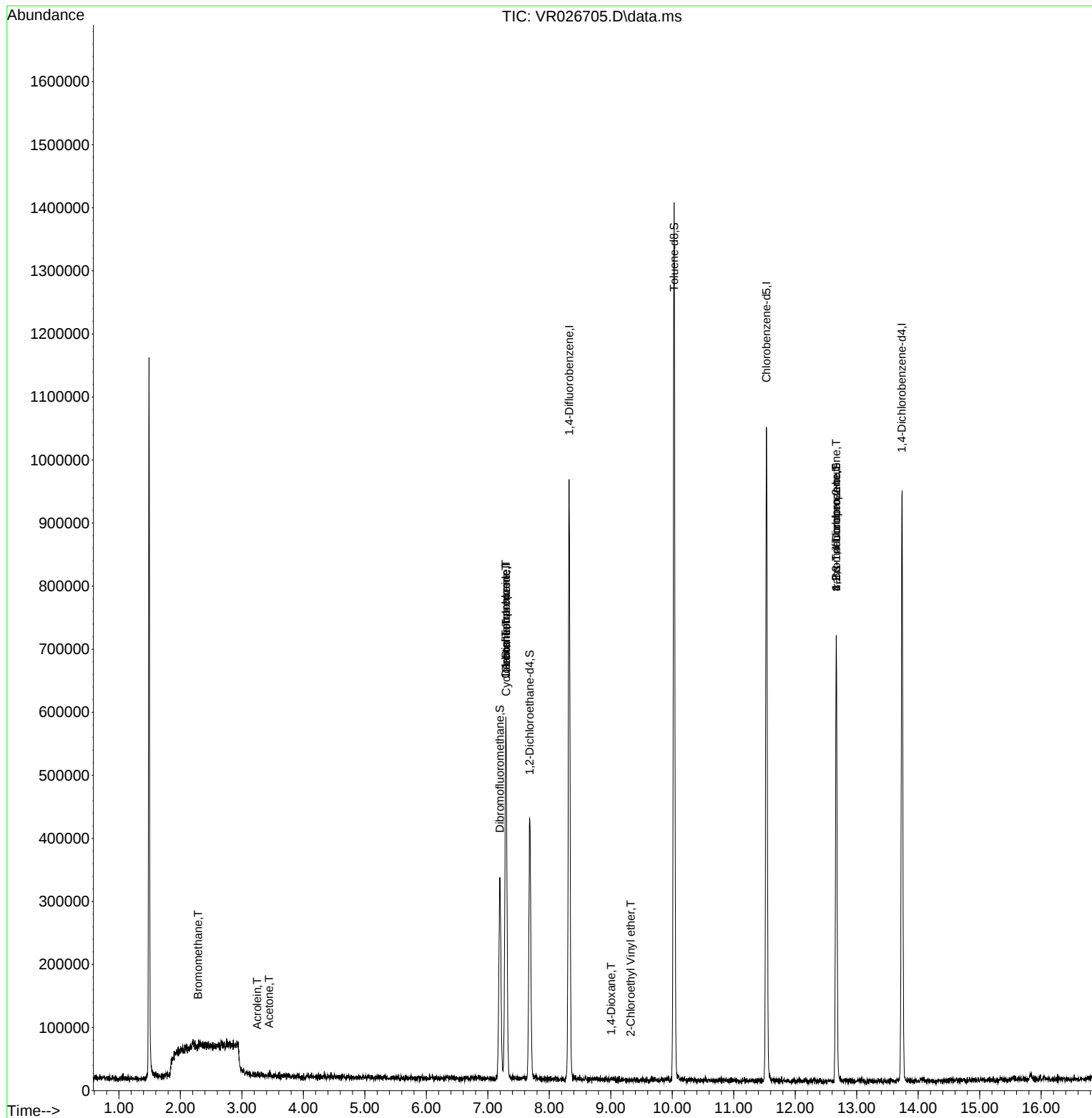
Target Compounds					Qvalue	
5) Bromomethane	2.289	94	829	0.341	ug/l #	4
13) Acrolein	3.248	56	439	0.336	ug/l	90
16) Acetone	3.444	43	850	0.317	ug/l #	50
30) Cyclohexane	7.298	56	7455	0.824	ug/l #	3
35) 1,1-Dichloropropene	7.292	75	36933	5.723	ug/l #	48
37) Carbon Tetrachloride	7.292	117	42683	8.122	ug/l #	20
48) 1,4-Dioxane	9.008	88	203	2.318	ug/l #	21
57) 2-Chloroethyl Vinyl ether	9.323	63	124	0.314	ug/l	94
75) 1,2,3-Trichloropropane	12.667	75	117859	25.098	ug/l #	100
80) trans-1,4-Dichloro-2-b...	12.667	75	117859	73.098	ug/l #	16

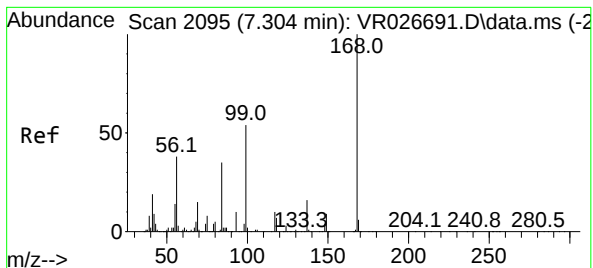
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 05 02:27:49 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.295 min Scan# 2095

Delta R.T. -0.009 min

Lab File: VR026705.D

Acq: 5 Aug 2025 10:44

Instrument :

MSVOA_R

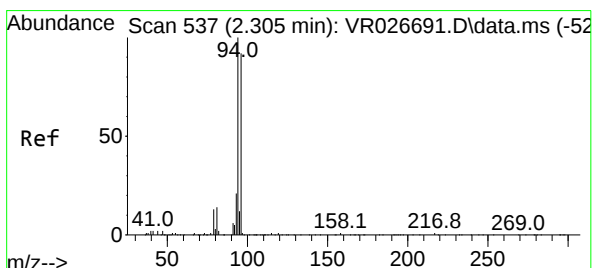
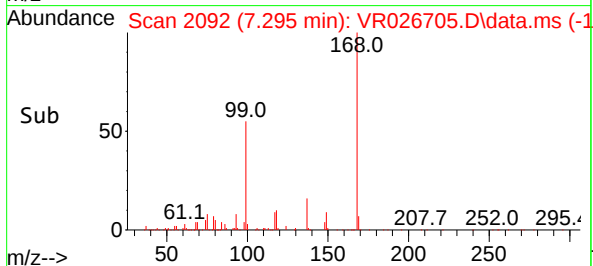
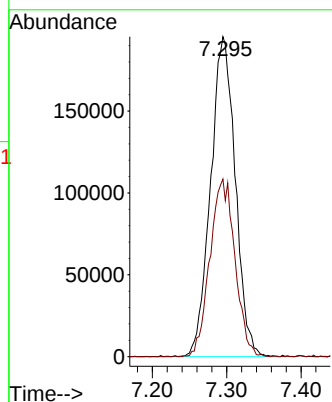
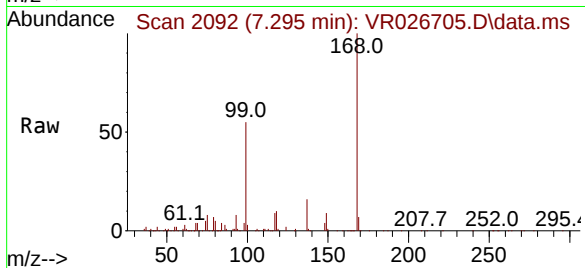
ClientSampleId :

Tgt Ion:168 Resp: 450916

Ion Ratio Lower Upper

168 100

99 55.5 43.8 65.8



#5

Bromomethane

Concen: 0.341 ug/l

RT: 2.289 min Scan# 532

Delta R.T. -0.016 min

Lab File: VR026705.D

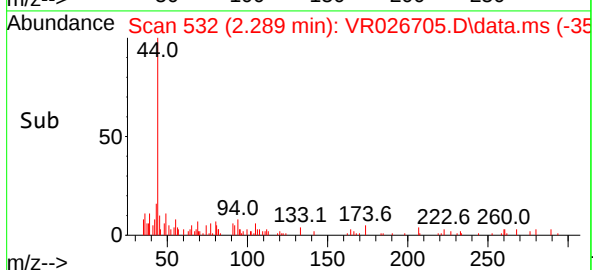
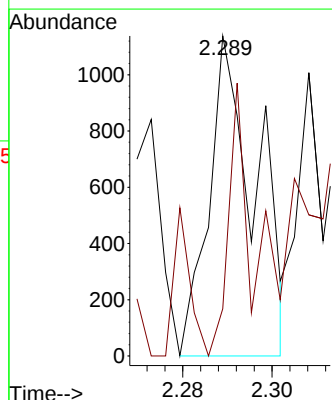
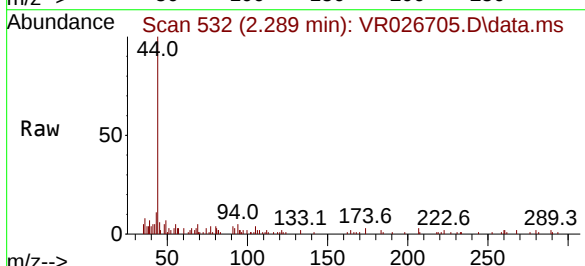
Acq: 5 Aug 2025 10:44

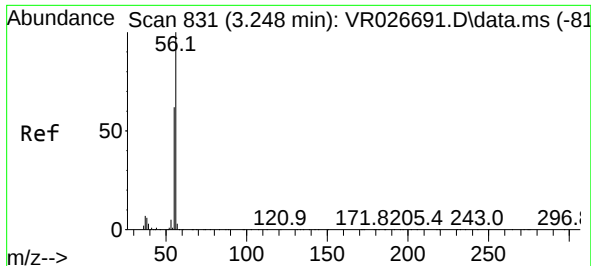
Tgt Ion: 94 Resp: 829

Ion Ratio Lower Upper

94 100

96 0.0 73.3 109.9#

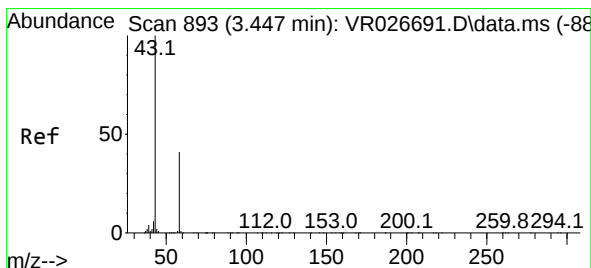
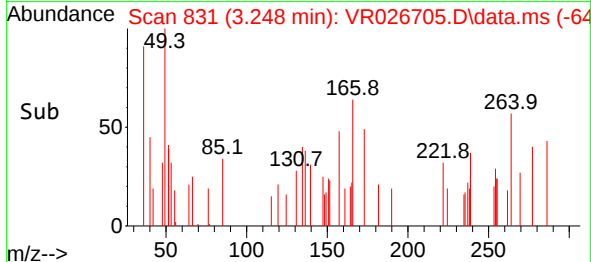
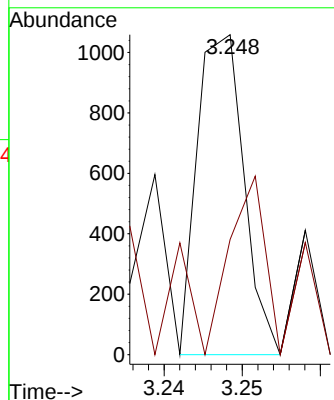
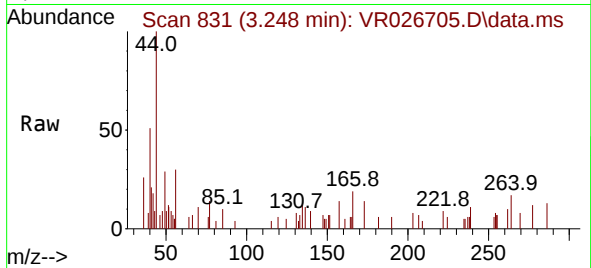




#13
Acrolein
Concen: 0.336 ug/l
RT: 3.248 min Scan# 81
Delta R.T. 0.000 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

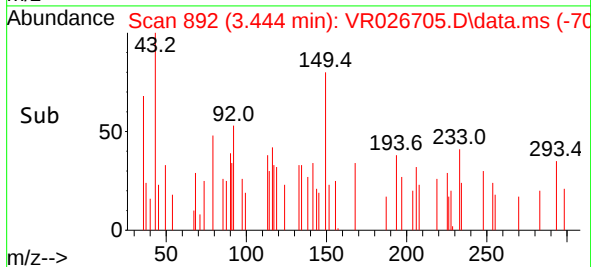
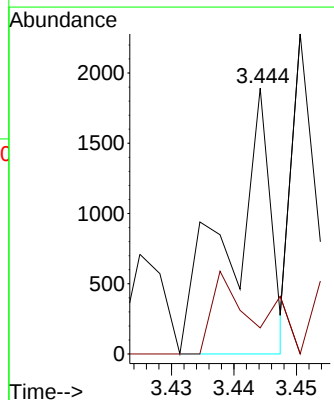
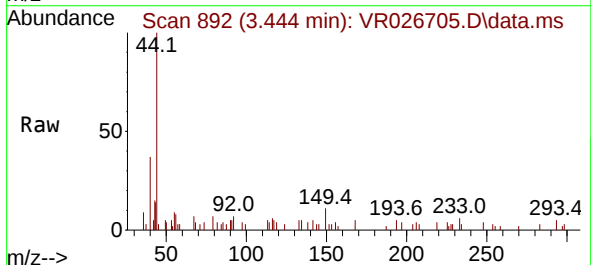
Instrument :
MSVOA_R
ClientSampleId :

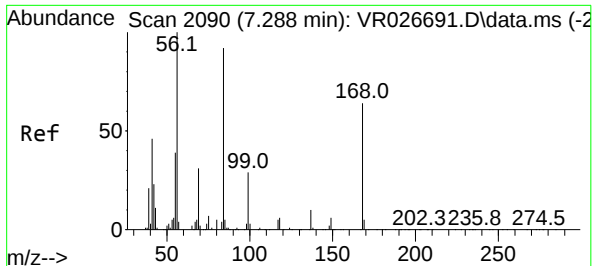
Tgt Ion: 56 Resp: 439
Ion Ratio Lower Upper
56 100
55 59.0 53.8 80.8



#16
Acetone
Concen: 0.317 ug/l
RT: 3.444 min Scan# 892
Delta R.T. -0.003 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

Tgt Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
58 9.8 32.9 49.3#

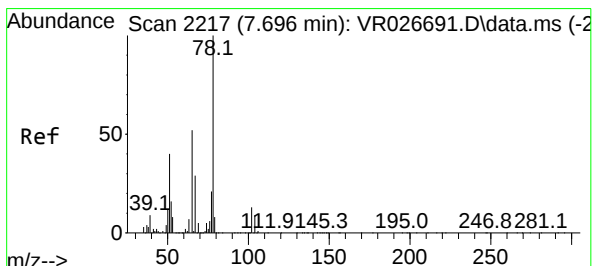
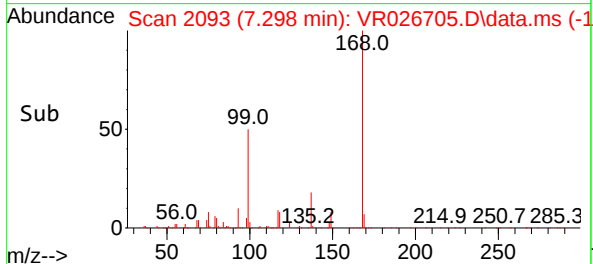
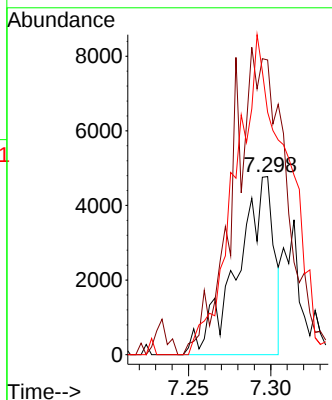
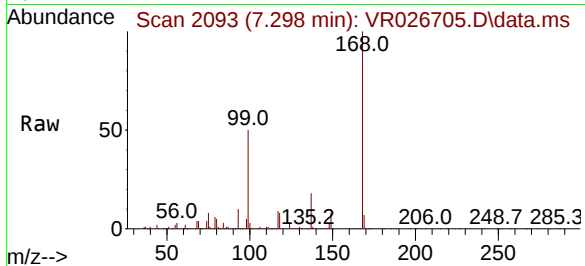




#30
Cyclohexane
Concen: 0.824 ug/l
RT: 7.298 min Scan# 2090
Delta R.T. 0.010 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

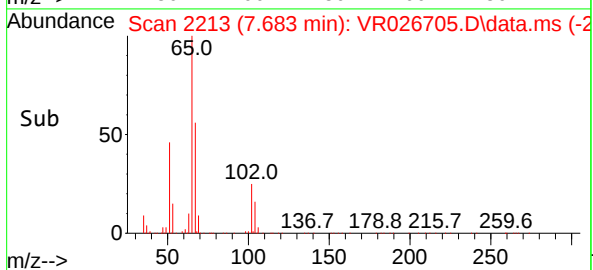
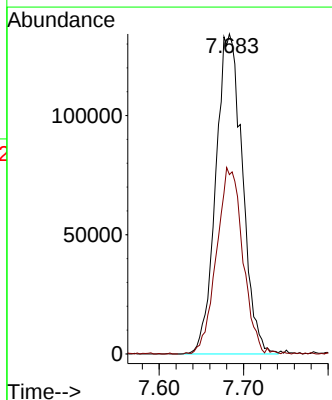
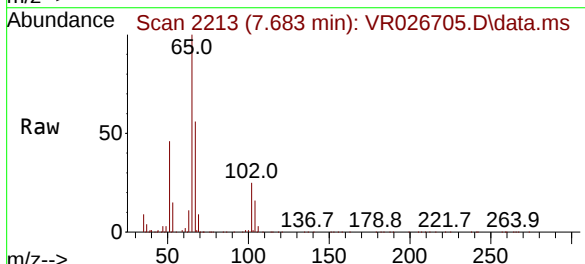
Instrument :
MSVOA_R
ClientSampleId :

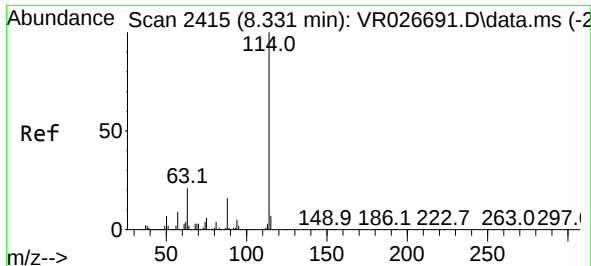
Tgt Ion: 56 Resp: 7455
Ion Ratio Lower Upper
56 100
69 165.6 24.8 37.2#
84 136.1 73.1 109.7#



#32
1,2-Dichloroethane-d4
Concen: 51.361 ug/l
RT: 7.683 min Scan# 2213
Delta R.T. -0.013 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

Tgt Ion: 65 Resp: 293125
Ion Ratio Lower Upper
65 100
67 57.3 0.0 118.4





#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.322 min Scan# 2415

Delta R.T. -0.010 min

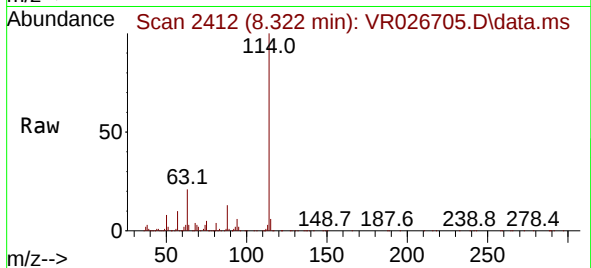
Lab File: VR026705.D

Acq: 5 Aug 2025 10:44

Instrument :

MSVOA_R

ClientSampleId :



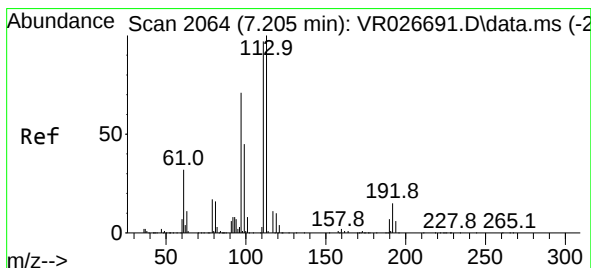
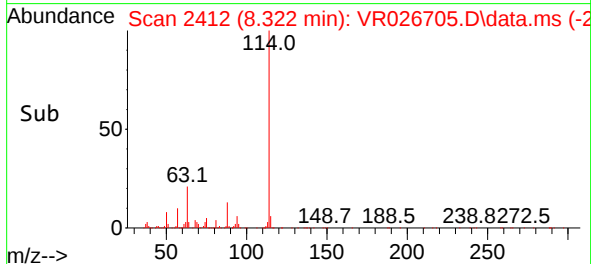
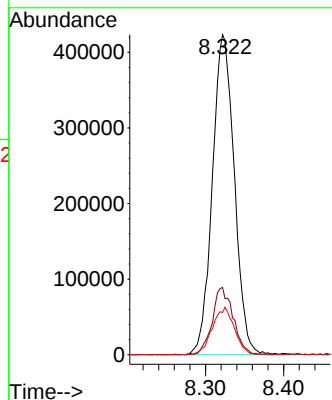
Tgt Ion:114 Resp: 827020

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.6

88 13.2 0.0 32.6



#34

Dibromofluoromethane

Concen: 45.680 ug/l

RT: 7.195 min Scan# 2061

Delta R.T. -0.010 min

Lab File: VR026705.D

Acq: 5 Aug 2025 10:44

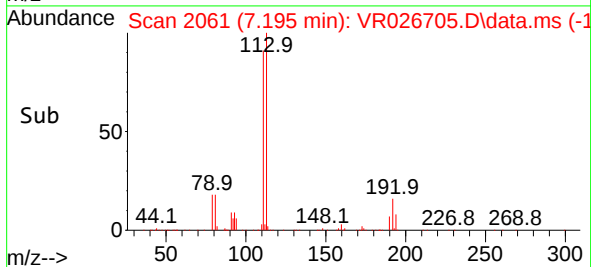
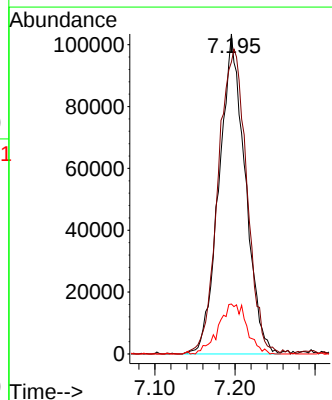
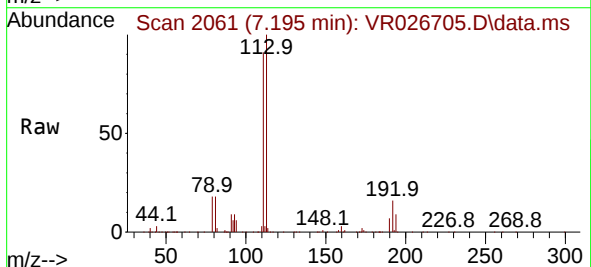
Tgt Ion:113 Resp: 233662

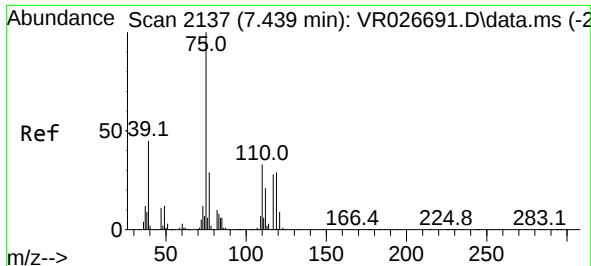
Ion Ratio Lower Upper

113 100

111 104.7 81.7 122.5

192 17.0 12.3 18.5





#35

1,1-Dichloropropene

Concen: 5.723 ug/l

RT: 7.292 min Scan# 2091

Delta R.T. -0.148 min

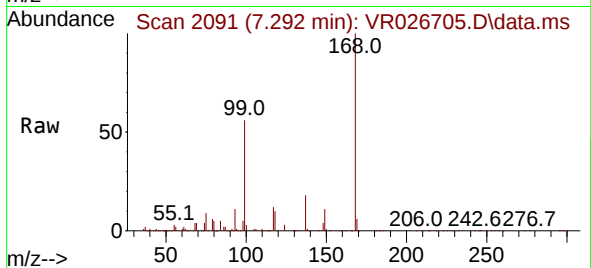
Lab File: VR026705.D

Acq: 5 Aug 2025 10:44

Instrument :

MSVOA_R

ClientSampleId :



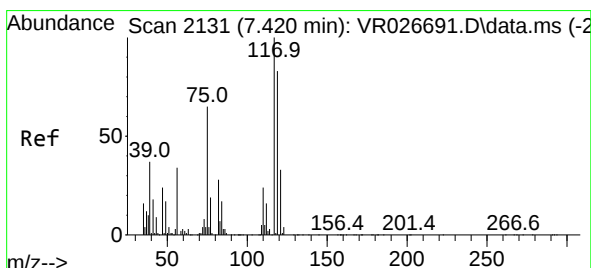
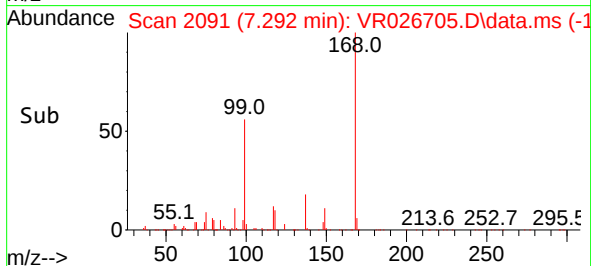
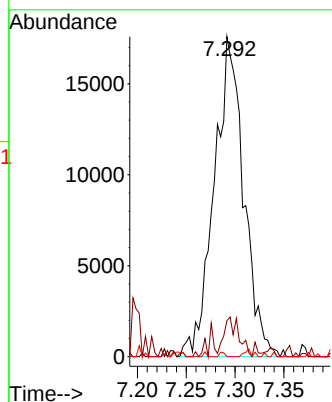
Tgt Ion: 75 Resp: 36933

Ion Ratio Lower Upper

75 100

110 6.2 17.0 50.9#

77 0.2 24.6 37.0#



#37

Carbon Tetrachloride

Concen: 8.122 ug/l

RT: 7.292 min Scan# 2091

Delta R.T. -0.128 min

Lab File: VR026705.D

Acq: 5 Aug 2025 10:44

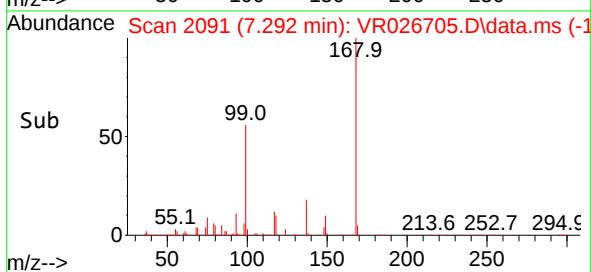
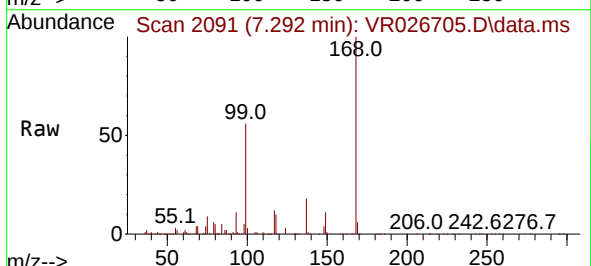
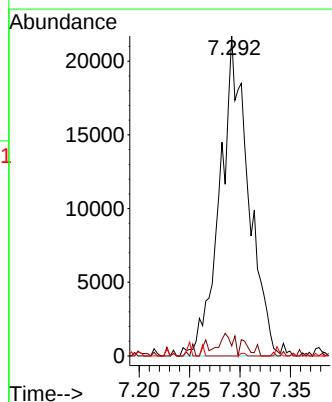
Tgt Ion: 117 Resp: 42683

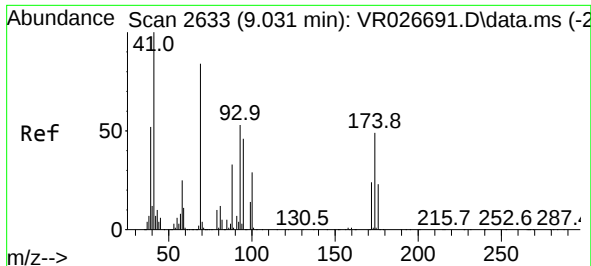
Ion Ratio Lower Upper

117 100

119 3.1 67.0 100.4#

121 0.0 26.3 39.5#

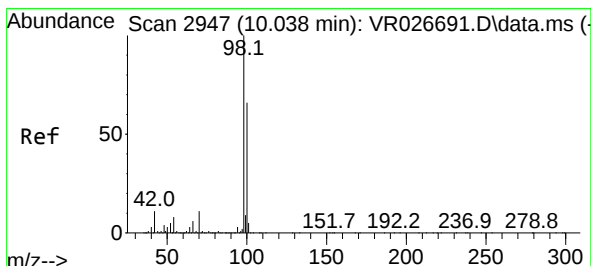
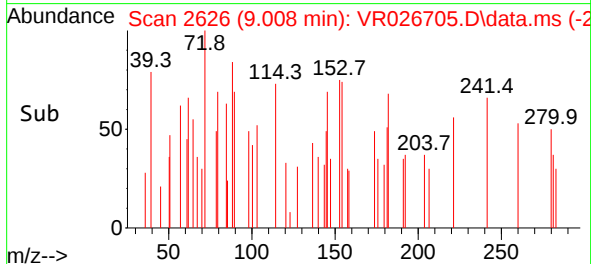
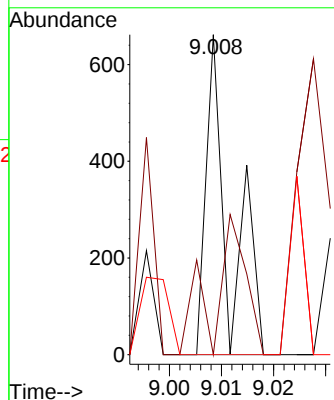
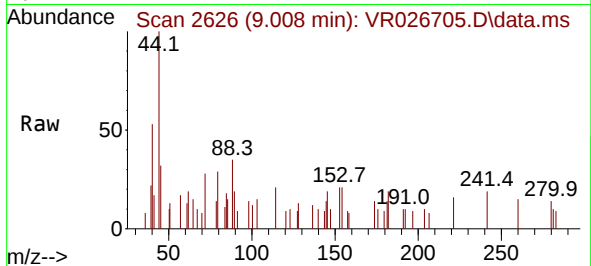




#48
1,4-Dioxane
Concen: 2.318 ug/l
RT: 9.008 min Scan# 203
Delta R.T. -0.022 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

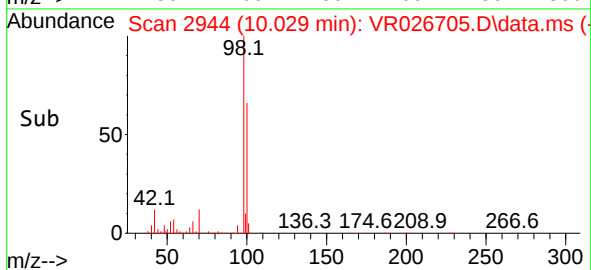
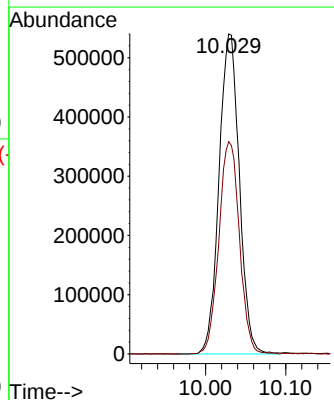
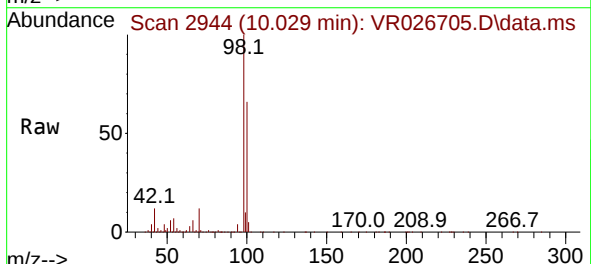
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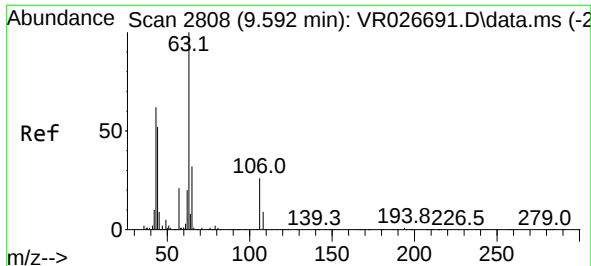
Tgt Ion: 88 Resp: 203
Ion Ratio Lower Upper
88 100
43 62.1 25.2 37.8#
58 0.0 60.8 91.2#



#49
Toluene-d8
Concen: 51.672 ug/l
RT: 10.029 min Scan# 2944
Delta R.T. -0.010 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

Tgt Ion: 98 Resp: 946937
Ion Ratio Lower Upper
98 100
100 67.3 53.9 80.9

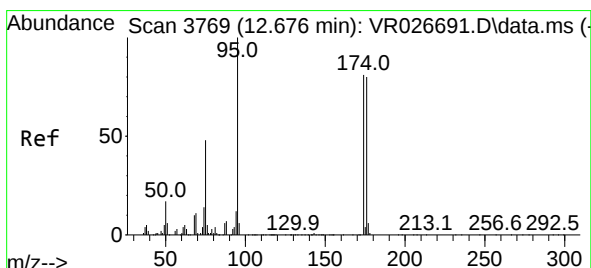
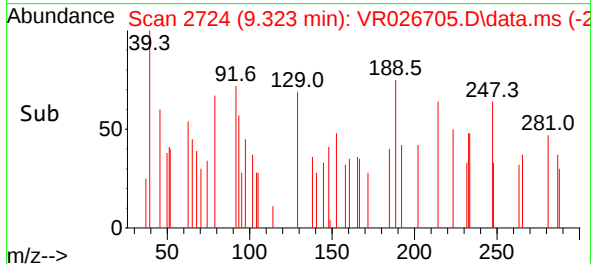
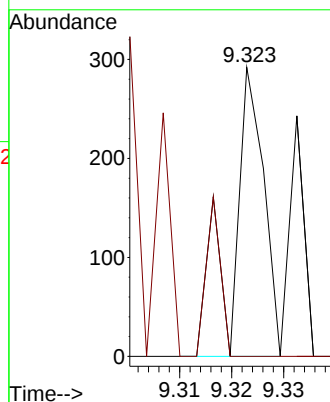
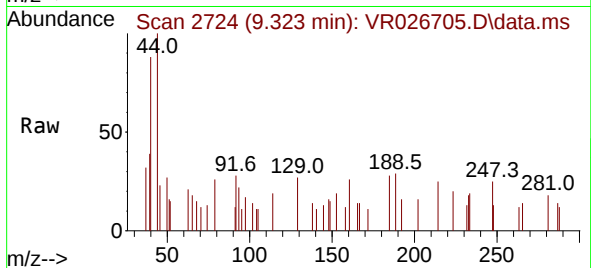




#57
2-Chloroethyl Vinyl ether
Concen: 0.314 ug/l
RT: 9.323 min Scan# 21
Delta R.T. -0.269 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

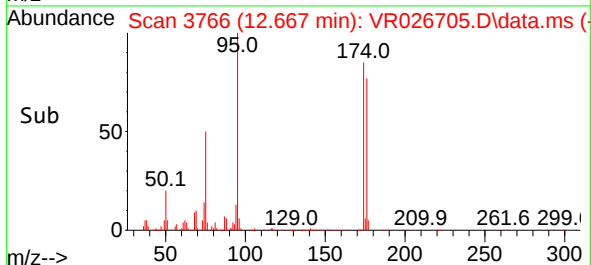
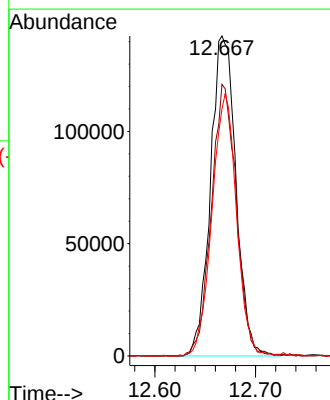
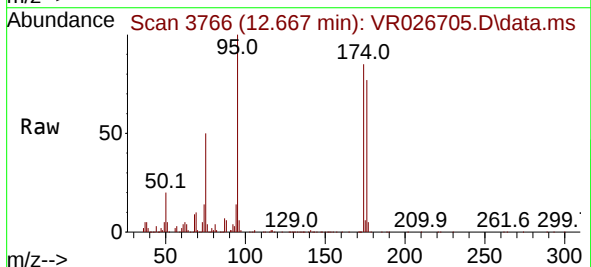
Instrument :
MSVOA_R
ClientSampleId :

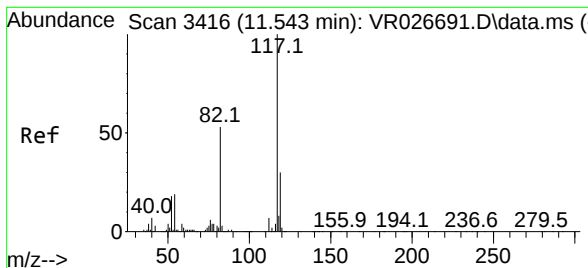
Tgt Ion: 63 Resp: 124
Ion Ratio Lower Upper
63 100
106 25.0 22.5 33.7



#61
4-Bromofluorobenzene
Concen: 47.991 ug/l
RT: 12.667 min Scan# 3766
Delta R.T. -0.010 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

Tgt Ion: 95 Resp: 250148
Ion Ratio Lower Upper
95 100
174 83.4 0.0 158.4
176 79.2 0.0 149.0





#62

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.531 min Scan# 3416

Delta R.T. -0.013 min

Lab File: VR026705.D

Acq: 5 Aug 2025 10:44

Instrument :

MSVOA_R

ClientSampleId :

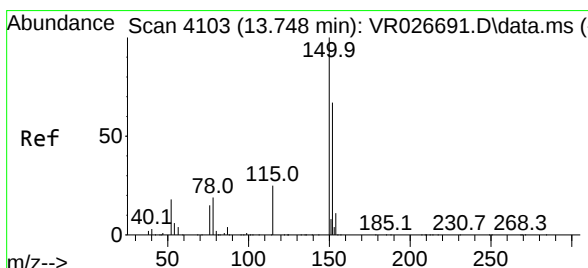
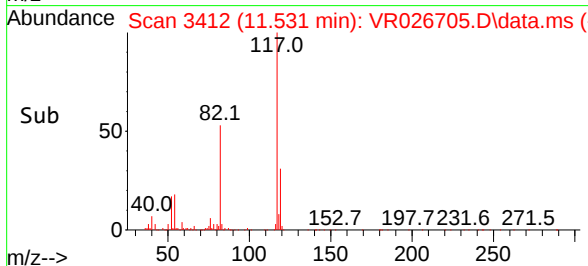
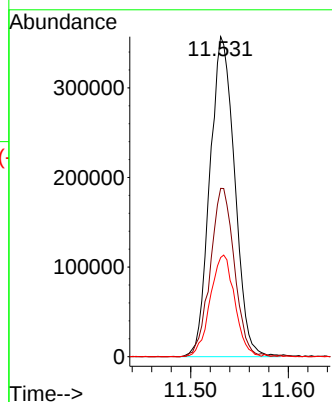
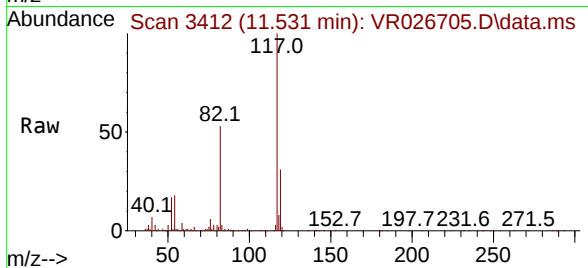
Tgt Ion:117 Resp: 629283

Ion Ratio Lower Upper

117 100

82 52.6 42.0 63.0

119 31.0 23.9 35.9



#71

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.735 min Scan# 4099

Delta R.T. -0.013 min

Lab File: VR026705.D

Acq: 5 Aug 2025 10:44

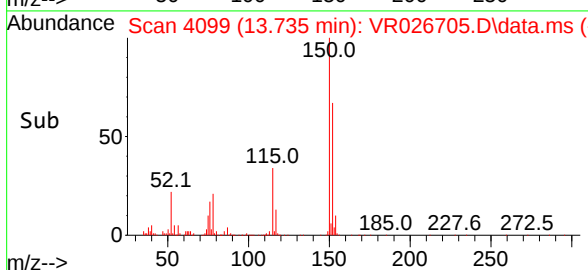
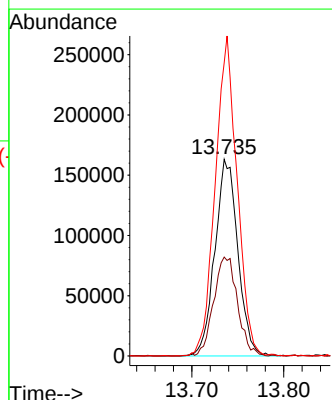
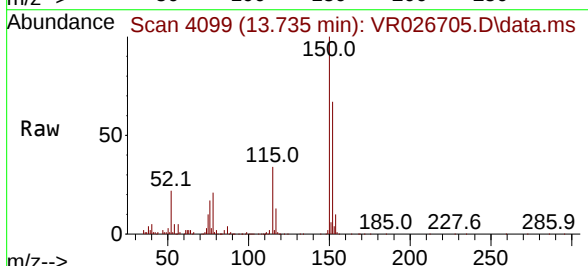
Tgt Ion:152 Resp: 283302

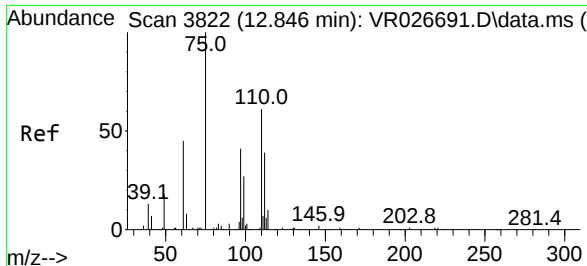
Ion Ratio Lower Upper

152 100

115 52.3 27.8 83.4

150 155.1 0.0 350.4

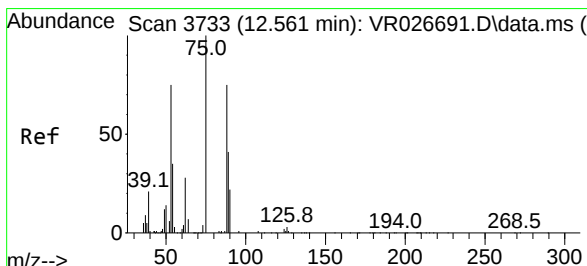
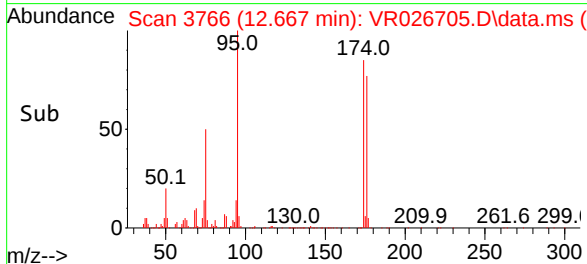
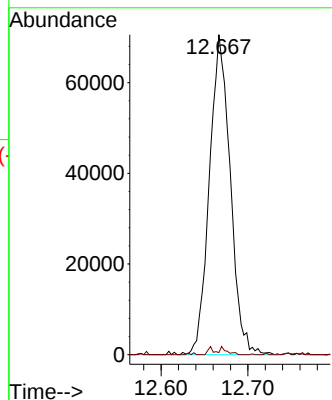
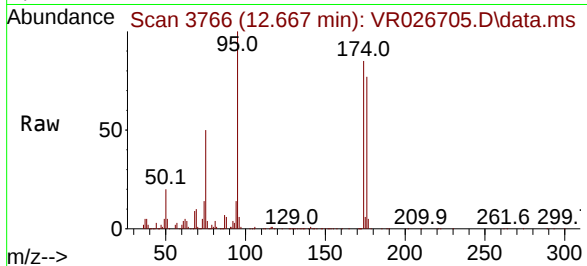




#75
1,2,3-Trichloropropane
Concen: 25.098 ug/l
RT: 12.667 min Scan# 3766
Delta R.T. -0.180 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

Instrument :
MSVOA_R
ClientSampleId :

Tgt Ion: 75 Resp: 117859
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#80
trans-1,4-Dichloro-2-butene
Concen: 73.098 ug/l
RT: 12.667 min Scan# 3766
Delta R.T. 0.106 min
Lab File: VR026705.D
Acq: 5 Aug 2025 10:44

Tgt Ion: 75 Resp: 117859
Ion Ratio Lower Upper
75 100
53 0.1 67.8 101.6#
89 0.3 34.6 52.0#

