

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091625\
 Data File : VV039112.D
 Acq On : 16 Sep 2025 17:03
 Operator : SY/MD
 Sample : Q3084-10DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 17 02:25:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 17 02:19:46 2025
 Response via : Initial Calibration

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

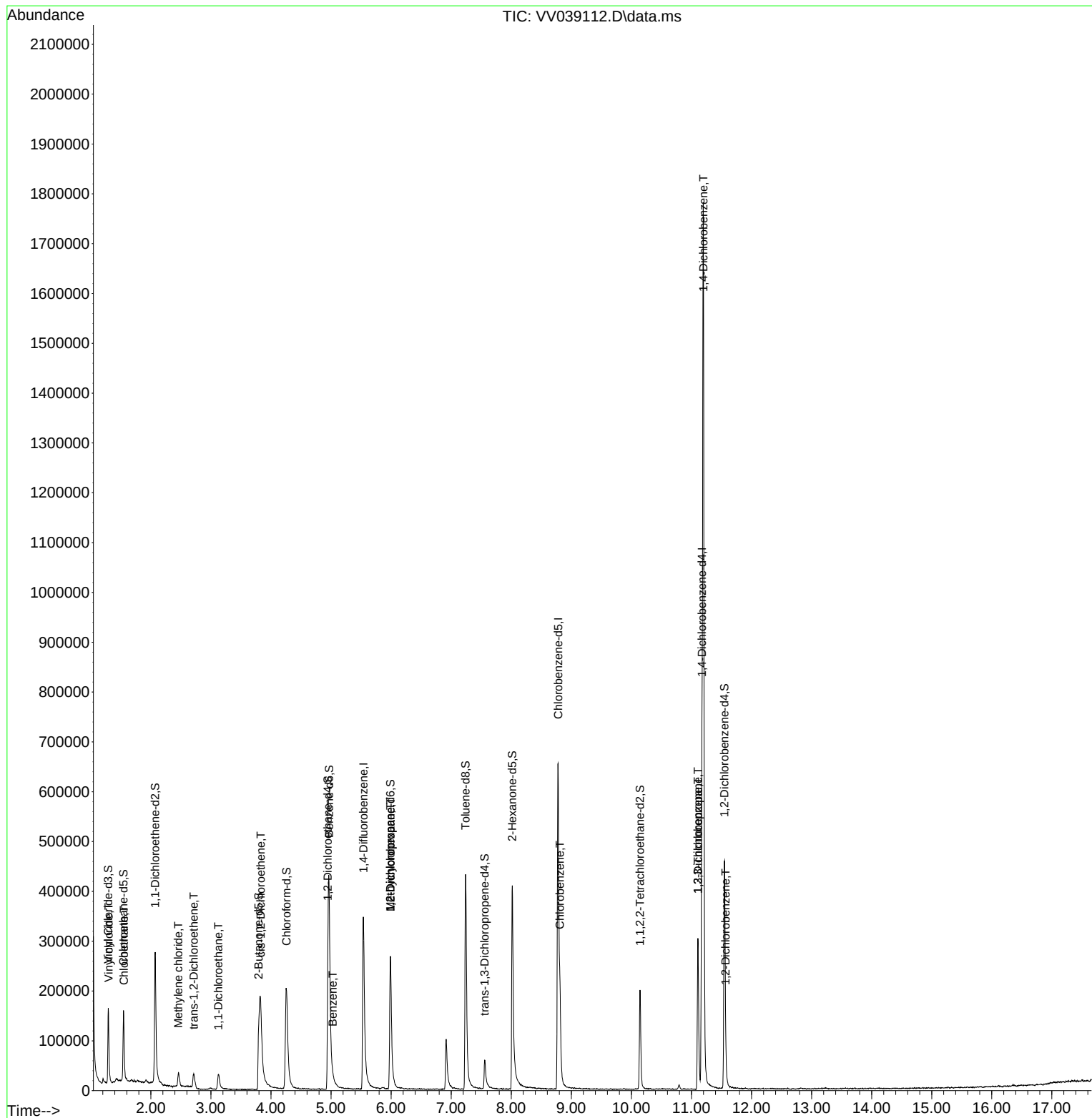
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	348045	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	364280	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	147310	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	112972	4.116	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.400%
7) Chloroethane-d5	1.545	69	109407	4.599	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.072	65	52204	3.992	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.800%
20) 2-Butanone-d5	3.796	46	203594	49.936	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.880%
24) Chloroform-d	4.256	84	256374	4.809	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
26) 1,2-Dichloroethane-d4	4.947	65	113940	5.075	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	4.966	84	436025	4.374	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
36) 1,2-Dichloropropane-d6	5.989	67	145868	4.896	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.000%
41) Toluene-d8	7.239	98	327155	3.666	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.400%
43) trans-1,3-Dichloroprop...	7.558	79	42539	3.903	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.000%
46) 2-Hexanone-d5	8.018	63	152959	43.355	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.720%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	104229	4.900	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	11.548	152	121045	5.105	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.298	62	10665	0.280	ug/L #	56
8) Chloroethane	1.552	64	2604	0.110	ug/L #	60
16) Methylene chloride	2.458	84	13926	0.433	ug/L	85
18) trans-1,2-Dichloroethene	2.715	96	11914	0.410	ug/L	89
19) 1,1-Dichloroethane	3.124	63	37223	0.698	ug/L	96
22) cis-1,2-Dichloroethene	3.828	96	94909	3.343	ug/L	97
33) Benzene	5.027	78	12062	0.105	ug/L	100
35) Methylcyclohexane	5.989	83	36760	0.760	ug/L #	19
37) 1,2-Dichloropropane	5.989	63	16186	0.544	ug/L #	88
51) Chlorobenzene	8.808	112	121346	1.573	ug/L	97
61) 1,2,3-Trichloropropane	11.107	75	36354	2.930	ug/L #	50
64) 1,3-Dichlorobenzene	11.107	146	121426	2.525	ug/L	95
65) 1,4-Dichlorobenzene	11.197	146	700517	14.084	ug/L	99
67) 1,2-Dichlorobenzene	11.570	146	9402	0.221	ug/L #	91

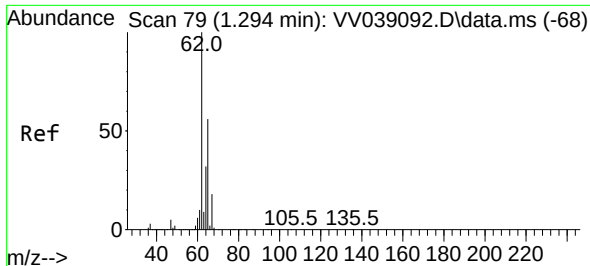
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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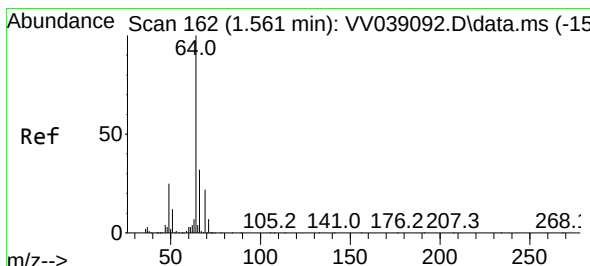
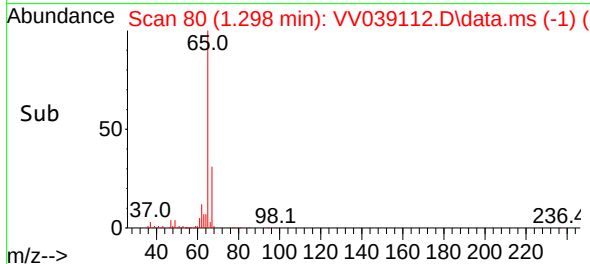
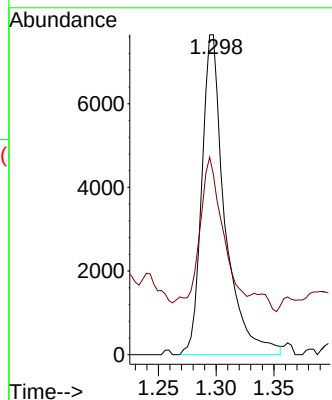
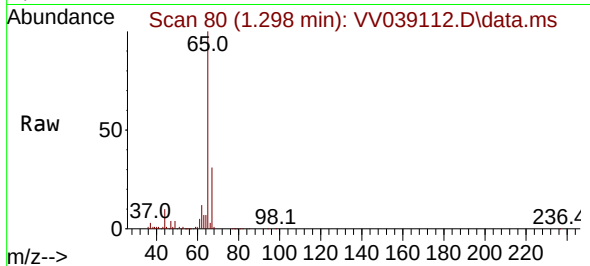




#5
Vinyl chloride
Concen: 0.280 ug/L
RT: 1.298 min Scan# 80
Delta R.T. 0.003 min
Lab File: VV039112.D
Acq: 16 Sep 2025 17:03

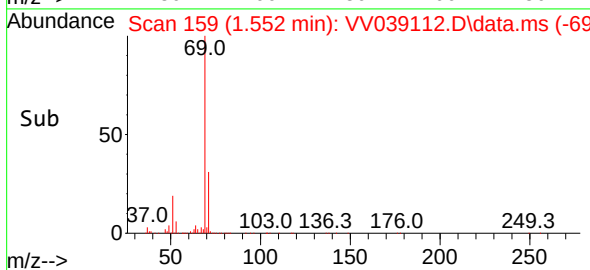
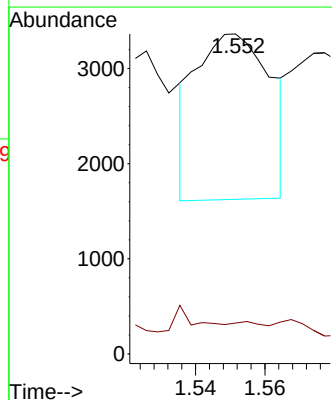
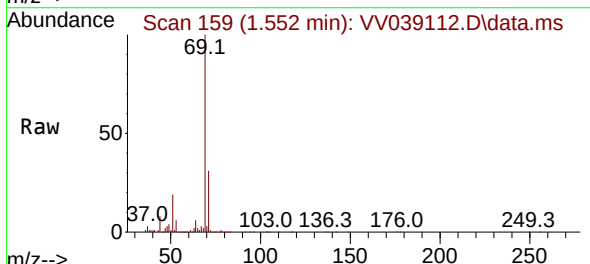
Instrument :
MSVOA_V
ClientSampleId :

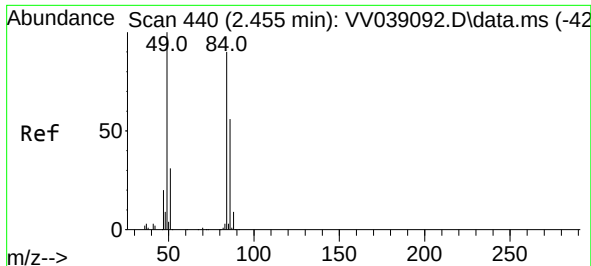
Tgt Ion: 62 Resp: 10665
Ion Ratio Lower Upper
62 100
64 56.5 22.4 41.6#



#8
Chloroethane
Concen: 0.110 ug/L
RT: 1.552 min Scan# 159
Delta R.T. -0.010 min
Lab File: VV039112.D
Acq: 16 Sep 2025 17:03

Tgt Ion: 64 Resp: 2604
Ion Ratio Lower Upper
64 100
66 9.7 22.3 41.5#

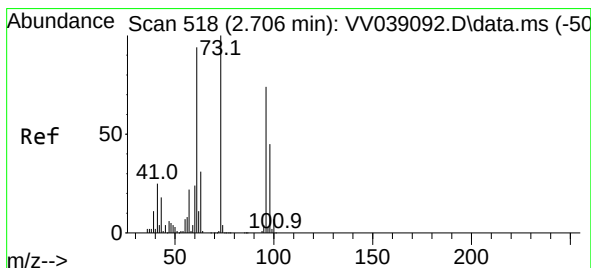
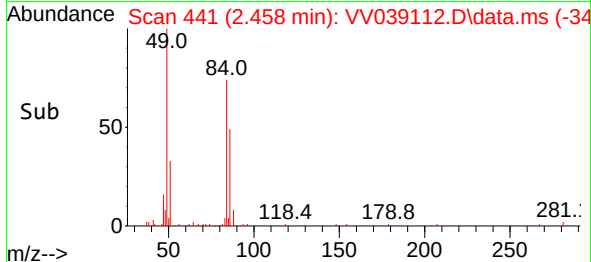
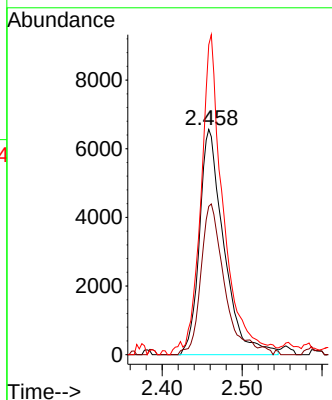
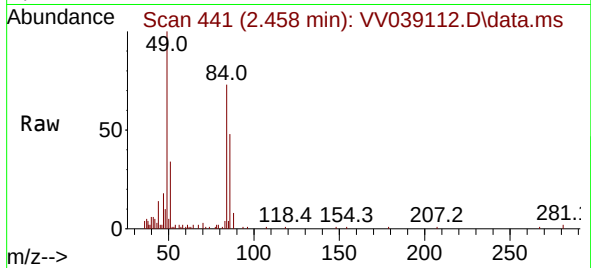




#16
Methylene chloride
Concen: 0.433 ug/L
RT: 2.458 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV039112.D
Acq: 16 Sep 2025 17:03

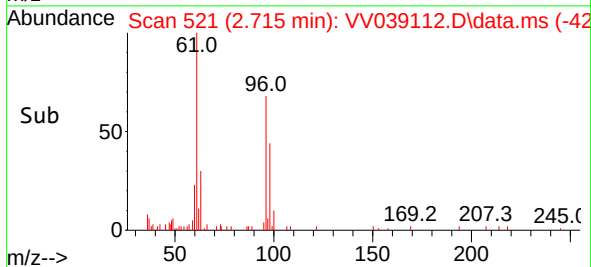
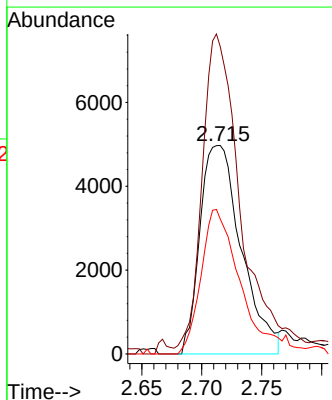
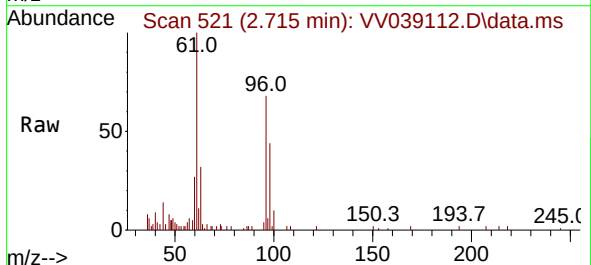
Instrument :
MSVOA_V
ClientSampleId :

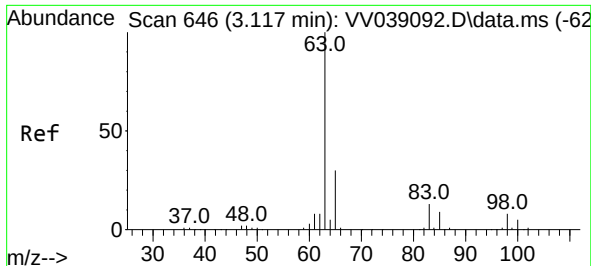
Tgt Ion: 84 Resp: 13926
Ion Ratio Lower Upper
84 100
86 65.8 44.2 82.2
49 137.6 80.6 149.6



#18
trans-1,2-Dichloroethene
Concen: 0.410 ug/L
RT: 2.715 min Scan# 521
Delta R.T. 0.010 min
Lab File: VV039112.D
Acq: 16 Sep 2025 17:03

Tgt Ion: 96 Resp: 11914
Ion Ratio Lower Upper
96 100
61 147.4 89.7 166.5
98 64.7 44.9 83.3





#19

1,1-Dichloroethane

Concen: 0.698 ug/L

RT: 3.124 min Scan# 64

Delta R.T. 0.006 min

Lab File: VV039112.D

Acq: 16 Sep 2025 17:03

Instrument :

MSVOA_V

ClientSampleId :

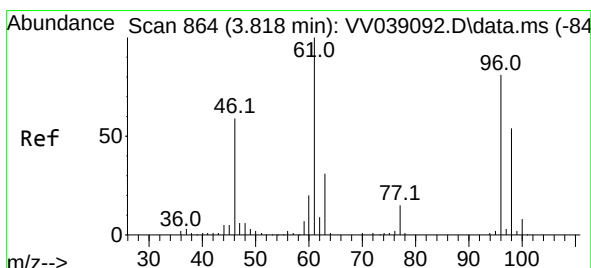
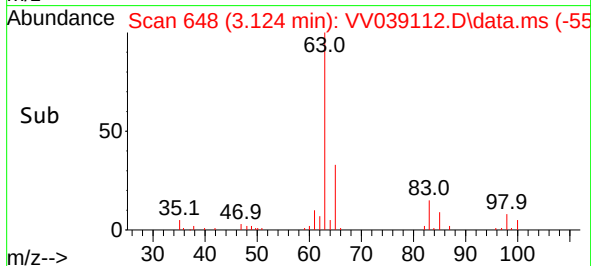
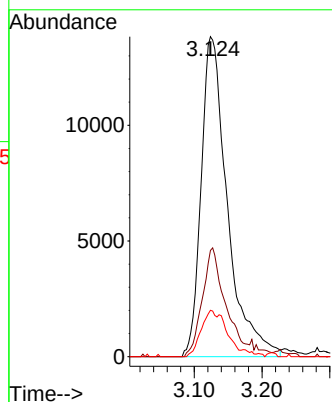
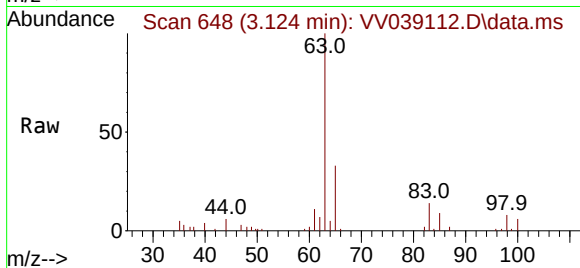
Tgt Ion: 63 Resp: 37223

Ion Ratio Lower Upper

63 100

65 33.2 21.5 39.9

83 14.5 9.2 17.2



#22

cis-1,2-Dichloroethene

Concen: 3.343 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.010 min

Lab File: VV039112.D

Acq: 16 Sep 2025 17:03

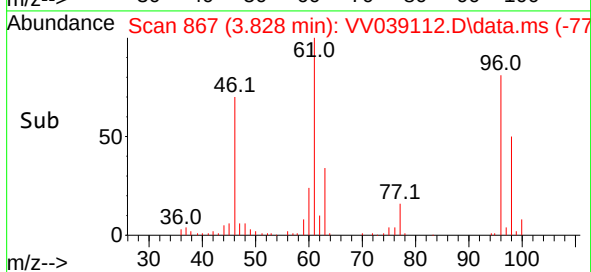
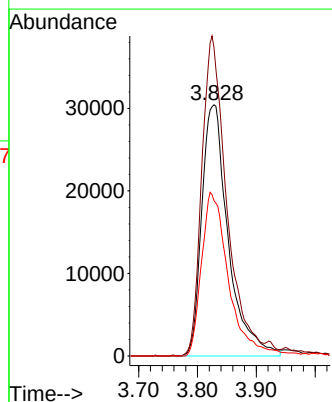
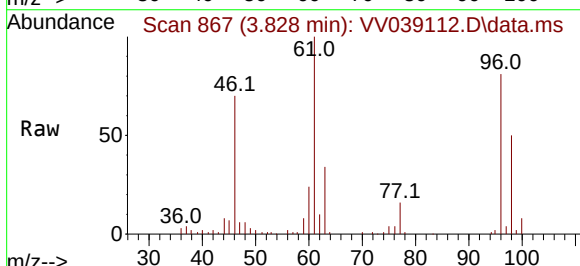
Tgt Ion: 96 Resp: 94909

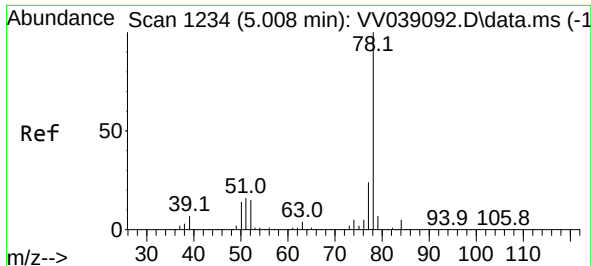
Ion Ratio Lower Upper

96 100

61 122.8 85.4 158.6

98 61.8 46.6 86.6

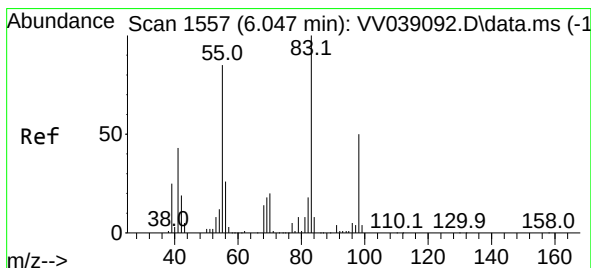
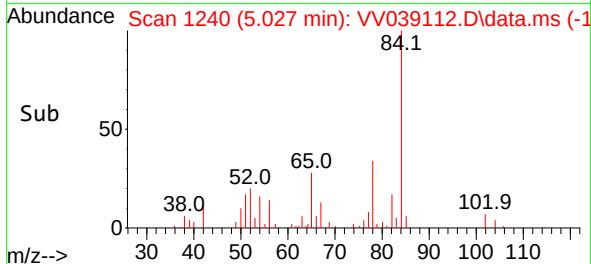
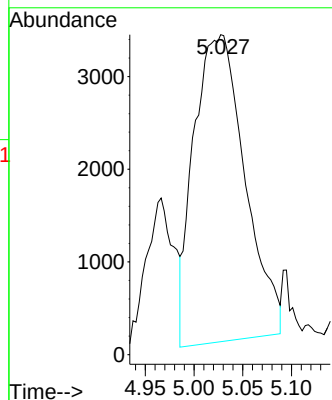
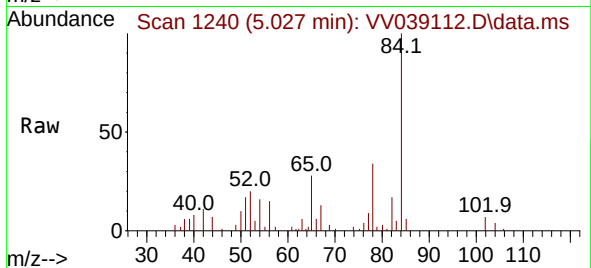




#33
Benzene
Concen: 0.105 ug/L
RT: 5.027 min Scan# 11
Delta R.T. 0.019 min
Lab File: VV039112.D
Acq: 16 Sep 2025 17:03

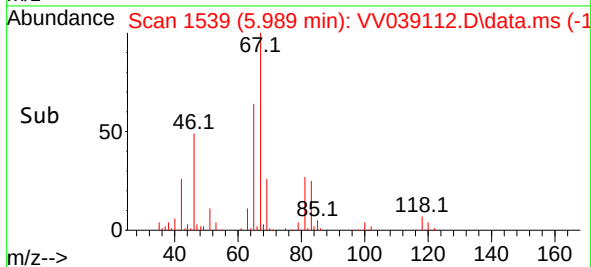
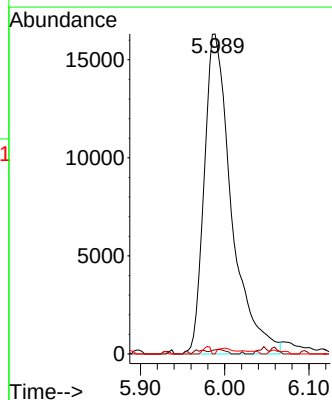
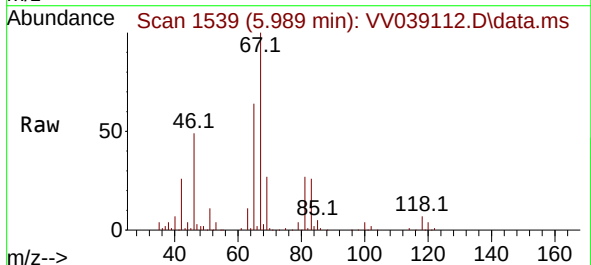
Instrument :
MSVOA_V
ClientSampleId :

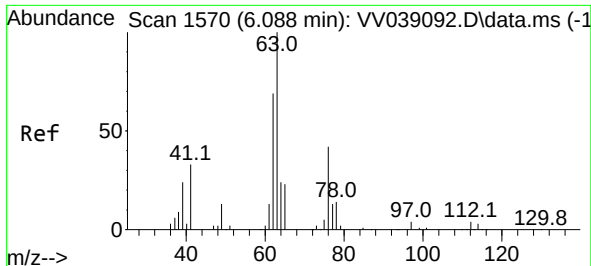
Tgt Ion: 78 Resp: 12062



#35
Methylcyclohexane
Concen: 0.760 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.058 min
Lab File: VV039112.D
Acq: 16 Sep 2025 17:03

Tgt Ion: 83 Resp: 36760
Ion Ratio Lower Upper
83 100
55 0.7 61.4 92.2#
98 0.6 38.2 57.4#





#37

1,2-Dichloropropane

Concen: 0.544 ug/L

RT: 5.989 min Scan# 1539

Delta R.T. -0.100 min

Lab File: VV039112.D

Acq: 16 Sep 2025 17:03

Instrument :

MSVOA_V

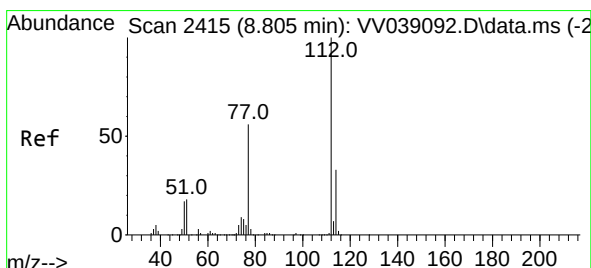
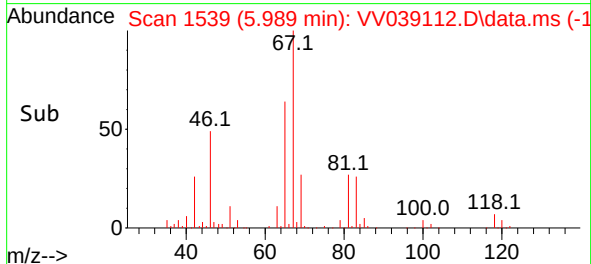
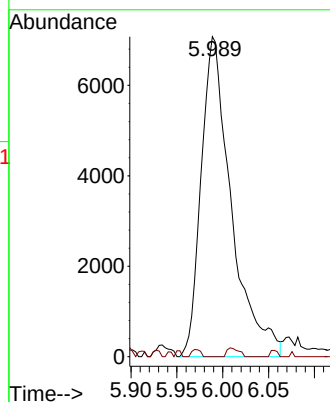
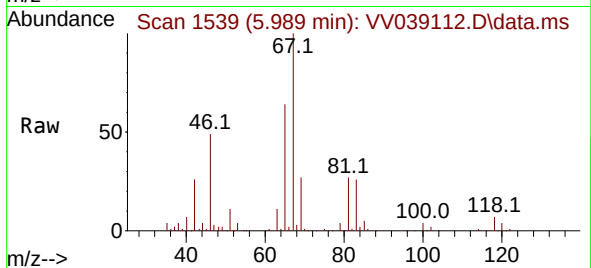
ClientSampleId :

Tgt Ion: 63 Resp: 16186

Ion Ratio Lower Upper

63 100

112 0.7 3.6 5.4#



#51

Chlorobenzene

Concen: 1.573 ug/L

RT: 8.808 min Scan# 2416

Delta R.T. 0.003 min

Lab File: VV039112.D

Acq: 16 Sep 2025 17:03

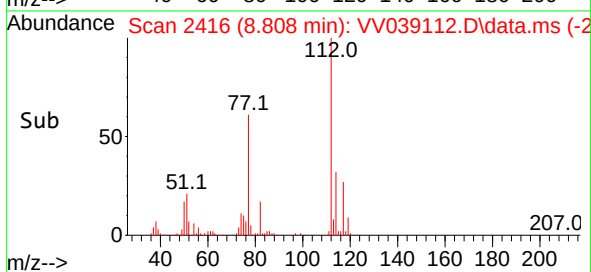
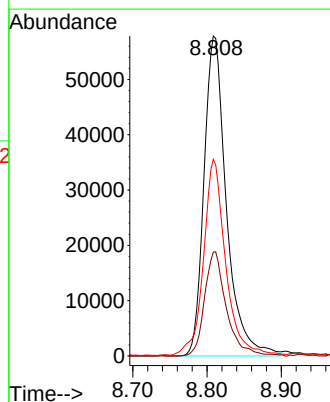
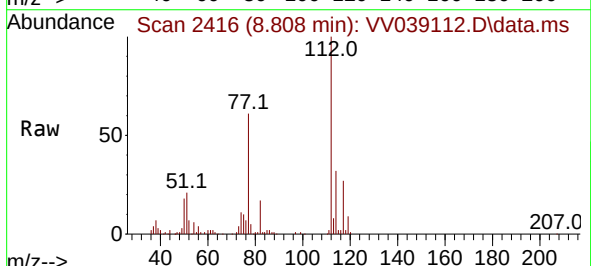
Tgt Ion: 112 Resp: 121346

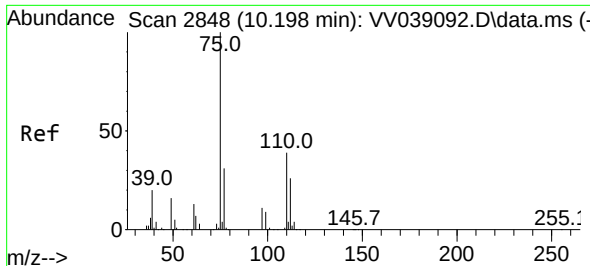
Ion Ratio Lower Upper

112 100

114 32.5 23.0 42.6

77 61.5 46.6 69.8

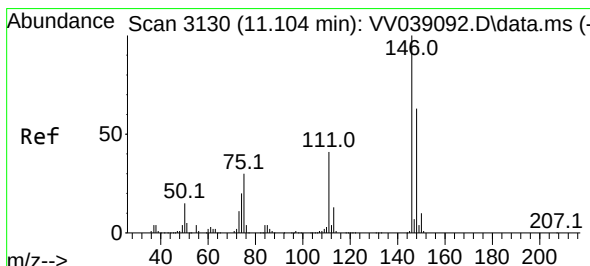
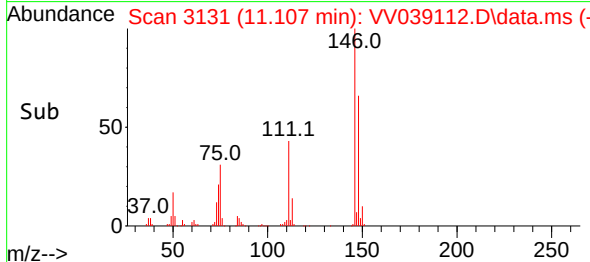
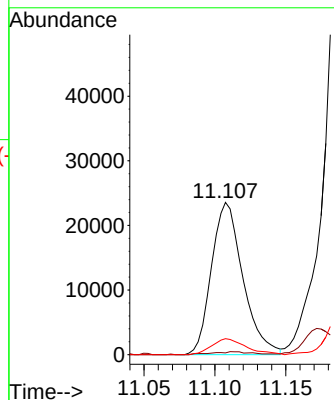
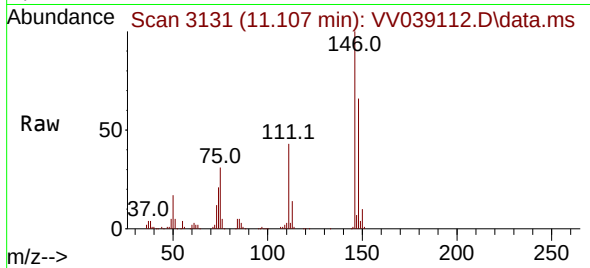




#61
 1,2,3-Trichloropropane
 Concen: 2.930 ug/L
 RT: 11.107 min Scan# 3131
 Delta R.T. 0.910 min
 Lab File: VV039112.D
 Acq: 16 Sep 2025 17:03

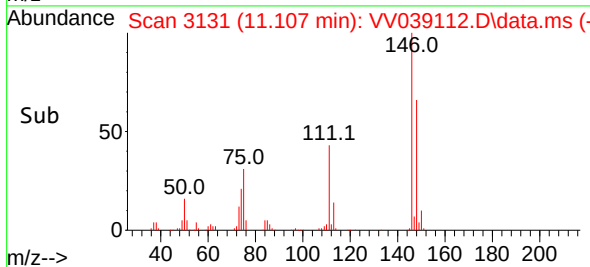
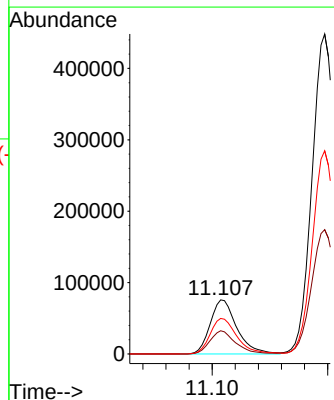
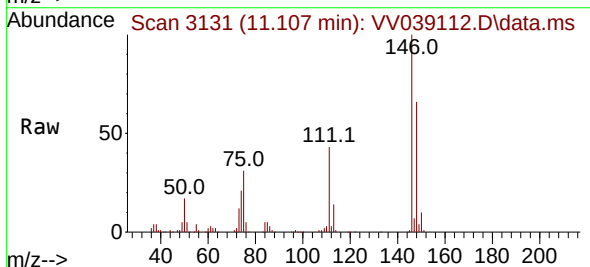
Instrument :
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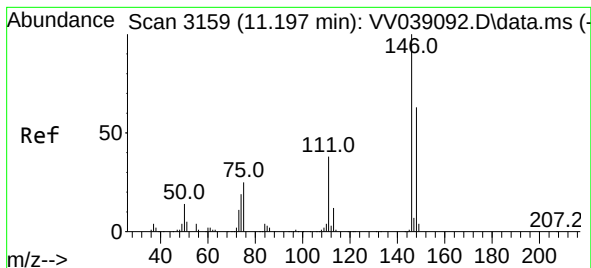
Tgt Ion: 75 Resp: 36354
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 110 11.4 31.0 46.4#



#64
 1,3-Dichlorobenzene
 Concen: 2.525 ug/L
 RT: 11.107 min Scan# 3131
 Delta R.T. 0.003 min
 Lab File: VV039112.D
 Acq: 16 Sep 2025 17:03

Tgt Ion:146 Resp: 121426
 Ion Ratio Lower Upper
 146 100
 111 42.8 28.3 52.7
 148 65.8 42.9 79.7





#65

1,4-Dichlorobenzene

Concen: 14.084 ug/L

RT: 11.197 min Scan# 3159

Delta R.T. -0.000 min

Lab File: VV039112.D

Acq: 16 Sep 2025 17:03

Instrument :

MSVOA_V

ClientSampleId :

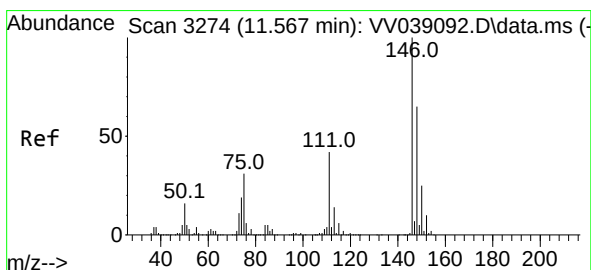
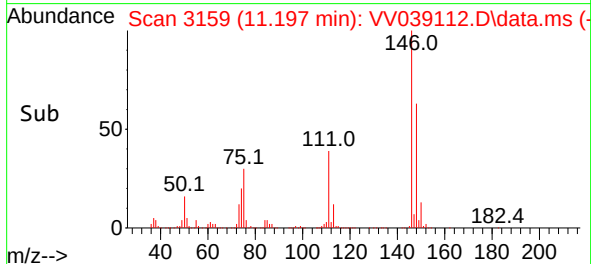
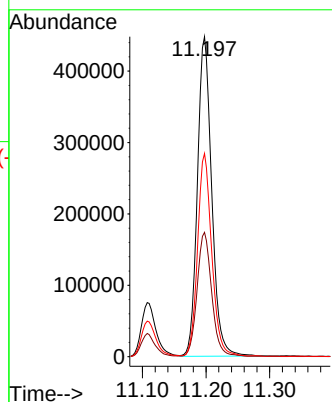
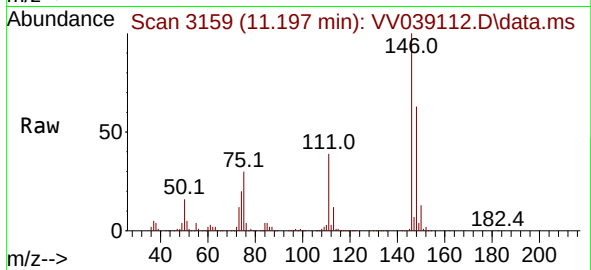
Tgt Ion:146 Resp: 700517

Ion Ratio Lower Upper

146 100

111 38.8 27.2 50.6

148 63.5 43.8 81.4



#67

1,2-Dichlorobenzene

Concen: 0.221 ug/L

RT: 11.570 min Scan# 3275

Delta R.T. 0.003 min

Lab File: VV039112.D

Acq: 16 Sep 2025 17:03

Tgt Ion:146 Resp: 9402

Ion Ratio Lower Upper

146 100

111 50.4 33.4 50.2#

148 68.2 51.1 76.7

