

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091125\
 Data File : VV039046.D
 Acq On : 11 Sep 2025 15:09
 Operator : SY/MD
 Sample : Q2899-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 12 02:13:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 12 01:49:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	863996	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	854855	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	363732	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	372325	46.911	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.820%
7) Chloroethane-d5	1.542	69	309251	49.259	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.520%
11) 1,1-Dichloroethene-d2	2.069	65	164755	48.127	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.260%
21) 2-Butanone-d5	3.786	46	351374	112.815	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.810%
24) Chloroform-d	4.252	84	633086	48.367	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.740%
26) 1,2-Dichloroethane-d4	4.941	65	386340	50.120	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.240%
32) Benzene-d6	4.960	84	1254308	50.612	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.220%
36) 1,2-Dichloropropane-d6	5.982	67	402229	49.605	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.220%
41) Toluene-d8	7.236	98	1082568	46.792	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.580%
43) trans-1,3-Dichloroprop...	7.548	79	182666	47.666	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.340%
47) 2-Hexanone-d5	8.014	63	241530	104.636	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.640%
56) 1,1,2,2-Tetrachloroeth...	10.140	84	591537	51.229	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.460%
66) 1,2-Dichlorobenzene-d4	11.548	152	385203	56.387	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	12184	1.856	ug/L	92
3) Chloromethane	1.227	50	13621	1.850	ug/L	99
5) Vinyl chloride	1.468	62	52	0.006	ug/L	98
6) Bromomethane	1.497	94	9483	2.010	ug/L	100
8) Chloroethane	1.561	64	9716	1.805	ug/L	91
9) Trichlorofluoromethane	1.725	101	22192	1.859	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	19460	2.600	ug/L #	78
12) 1,1-Dichloroethene	2.079	96	16078	2.419	ug/L #	1
13) Acetone	2.124	43	20594	3.591	ug/L	98
14) Carbon disulfide	2.253	76	39268	1.805	ug/L	98
15) Methyl Acetate	2.394	43	11121	1.491	ug/L	99
16) Methylene chloride	2.458	84	16715	2.285	ug/L	96
17) trans-1,2-Dichloroethene	2.712	96	11913	1.801	ug/L	94
18) Methyl tert-butyl Ether	2.716	73	30561	1.612	ug/L #	88
19) 1,1-Dichloroethane	3.124	63	22401	1.820	ug/L	97
20) cis-1,2-Dichloroethene	3.828	96	13040	1.845	ug/L	98
22) 2-Butanone	3.918	43	4547	0.939	ug/L #	60
23) Bromochloromethane	4.156	128	2478	0.641	ug/L	85
25) Chloroform	4.281	83	31521	2.400	ug/L	95

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

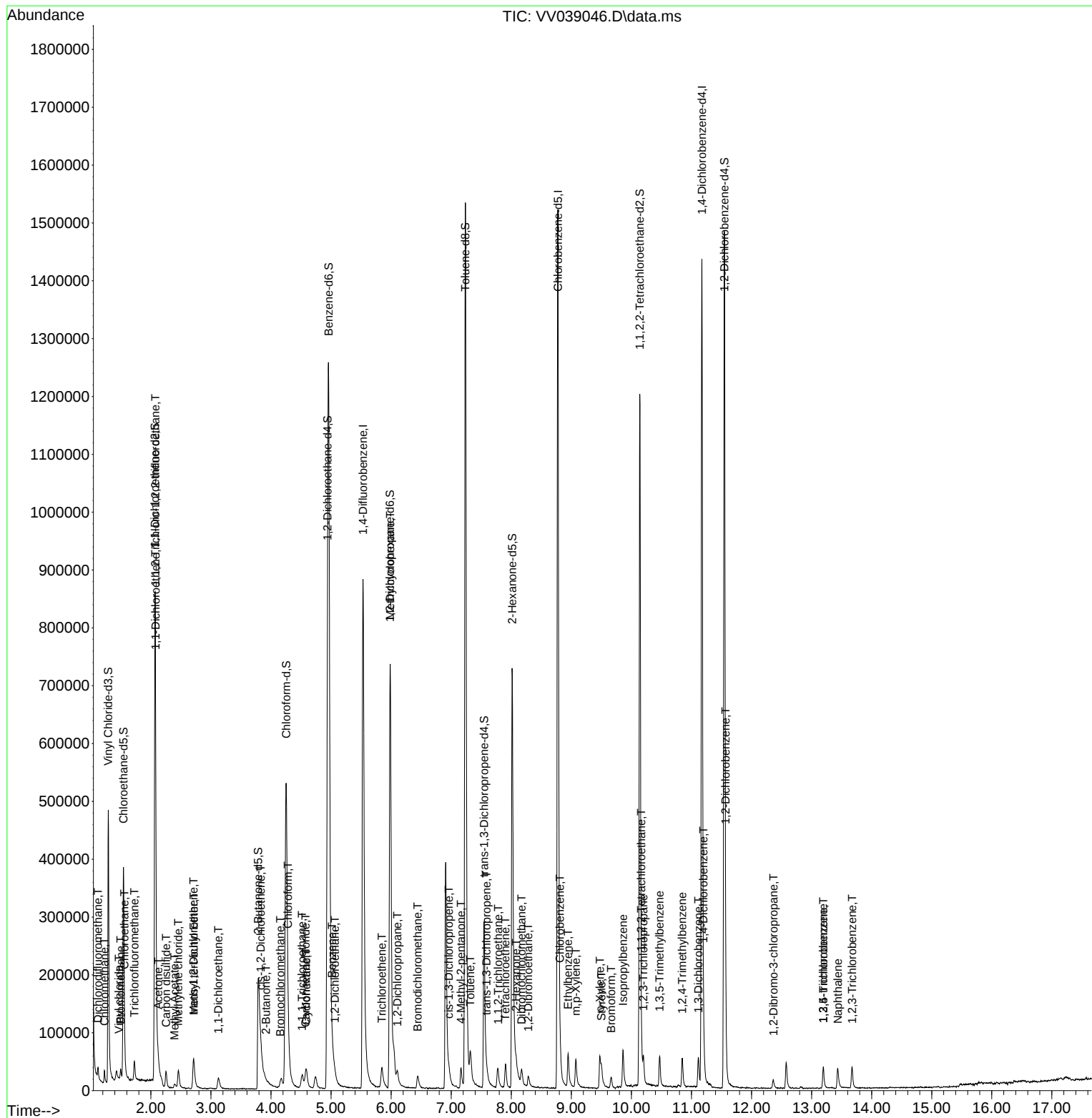
27) 1,2-Dichloroethane	5.063	62	13641	1.426	ug/L	99
29) Cyclohexane	4.587	56	16234	1.529	ug/L #	52
30) 1,1,1-Trichloroethane	4.516	97	20033	1.738	ug/L	94
31) Carbon tetrachloride	4.574	117	145	0.014	ug/L	85
33) Benzene	5.014	78	50120	1.881	ug/L	100
34) Trichloroethene	5.847	95	12774	1.768	ug/L	98
35) Methylcyclohexane	5.986	83	96505	8.349	ug/L #	20
37) 1,2-Dichloropropane	6.104	63	13118	1.839	ug/L	99
38) Bromodichloromethane	6.442	83	16880	1.681	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	19666	1.730	ug/L	90
40) 4-Methyl-2-pentanone	7.162	43	23838	2.634	ug/L	92
42) Toluene	7.320	91	50776	1.729	ug/L	93
44) trans-1,3-Dichloropropene	7.587	75	19167	1.749	ug/L	91
45) 1,1,2-Trichloroethane	7.780	97	12883	1.706	ug/L	96
46) Tetrachloroethene	7.902	164	10426	1.861	ug/L	93
48) 2-Hexanone	8.082	43	24893	3.944	ug/L #	90
49) Dibromochloromethane	8.172	129	14210	1.781	ug/L	93
50) 1,2-Dibromoethane	8.284	107	13295	1.686	ug/L	96
51) Chlorobenzene	8.809	112	33038	1.732	ug/L	95
52) Ethylbenzene	8.947	91	46319	1.499	ug/L	98
53) m,p-Xylene	9.079	106	17151	1.451	ug/L	92
54) o-Xylene	9.477	106	14735	1.346	ug/L	94
55) Styrene	9.503	104	24780	1.281	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.165	83	27012	2.219	ug/L #	96
59) Bromoform	9.664	173	9507	1.940	ug/L #	37
60) Isopropylbenzene	9.860	105	40245	1.608	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	17028	2.228	ug/L	95
62) 1,3,5-Trimethylbenzene	10.471	105	30252	1.545	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	26653	1.373	ug/L	96
64) 1,3-Dichlorobenzene	11.114	146	21736	1.824	ug/L	97
65) 1,4-Dichlorobenzene	11.201	146	27580	2.162	ug/L	96
67) 1,2-Dichlorobenzene	11.567	146	26418	2.216	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.365	75	5017	2.338	ug/L	89
69) 1,3,5-Trichlorobenzene	13.194	180	12301	1.599	ug/L	93
70) 1,2,4-trichlorobenzene	13.194	180	12301	1.839	ug/L	92
71) Naphthalene	13.435	128	32475	1.452	ug/L	97
72) 1,2,3-Trichlorobenzene	13.677	180	12984	1.870	ug/L	93

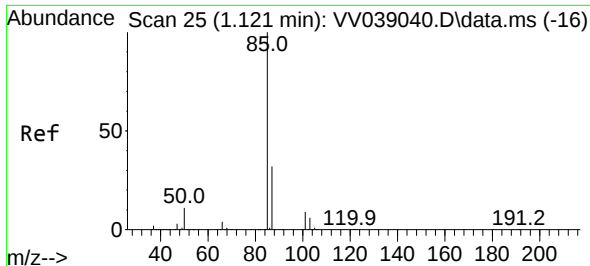
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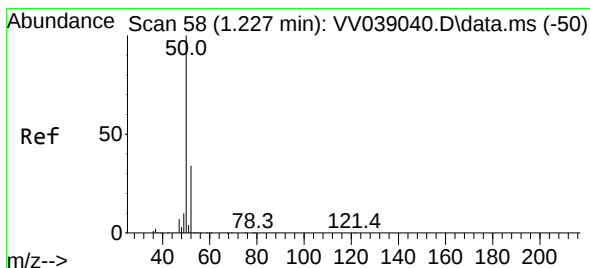
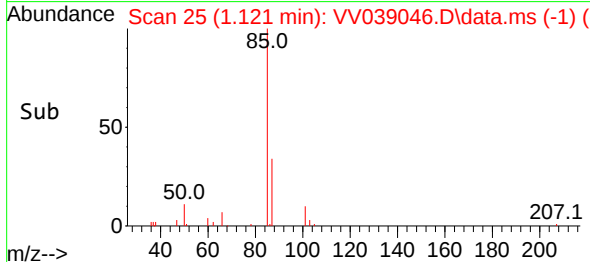
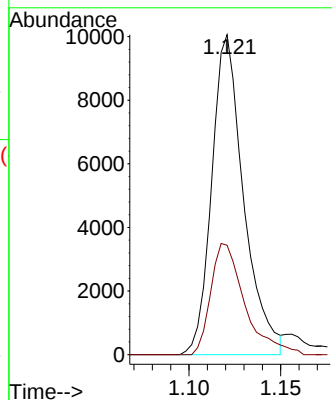
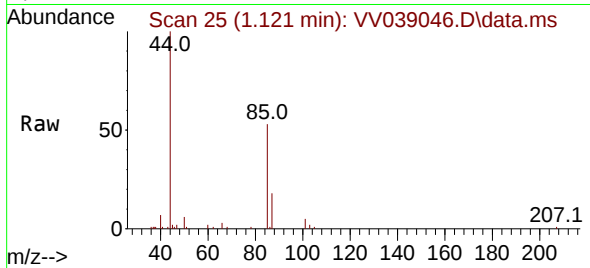




#2
 Dichlorodifluoromethane
 Concen: 1.856 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV039046.D
 Acq: 11 Sep 2025 15:09

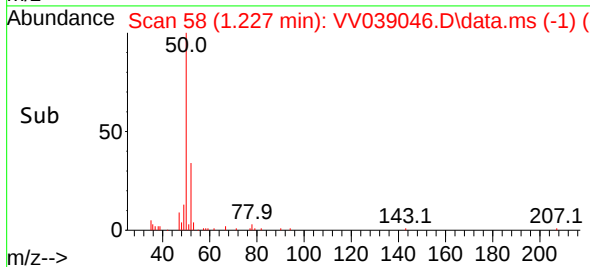
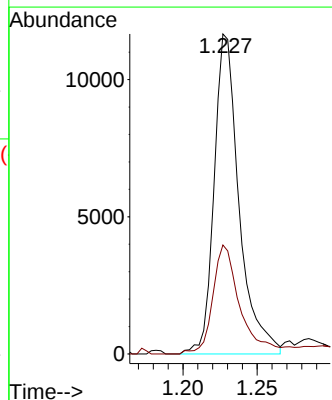
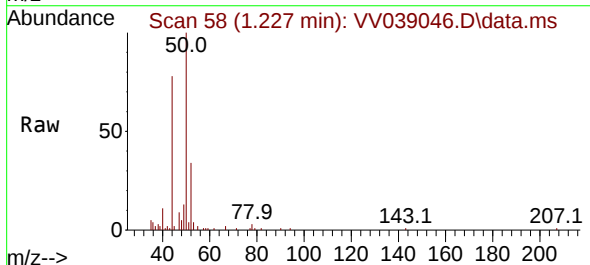
Instrument :
 MSVOA_V
 ClientSampleId :

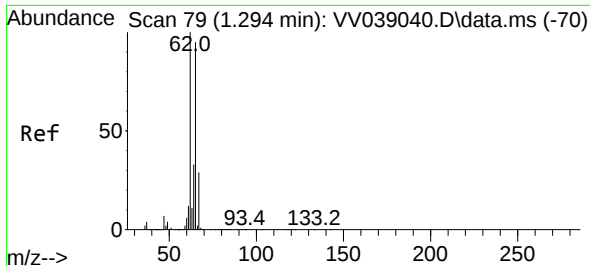
Tgt Ion: 85 Resp: 12184
 Ion Ratio Lower Upper
 85 100
 87 37.0 25.8 38.8



#3
 Chloromethane
 Concen: 1.850 ug/L
 RT: 1.227 min Scan# 58
 Delta R.T. 0.000 min
 Lab File: VV039046.D
 Acq: 11 Sep 2025 15:09

Tgt Ion: 50 Resp: 13621
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.6 43.8

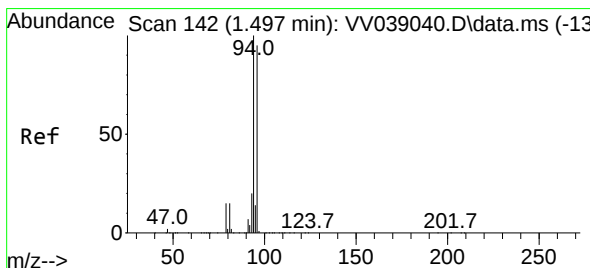
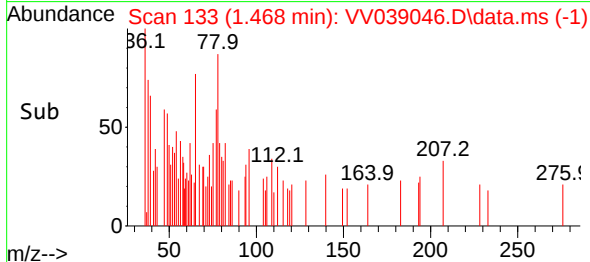
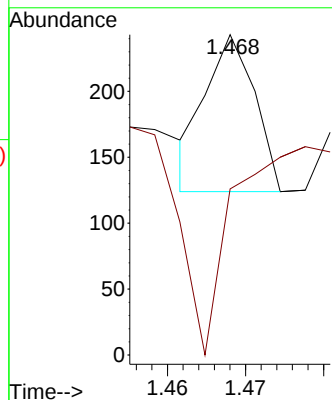
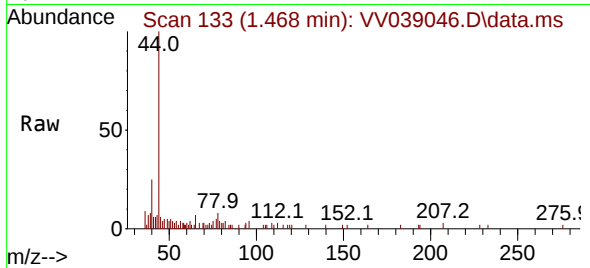




#5
 Vinyl chloride
 Concen: 0.006 ug/L
 RT: 1.468 min Scan# 11
 Delta R.T. 0.174 min
 Lab File: VV039046.D
 Acq: 11 Sep 2025 15:09

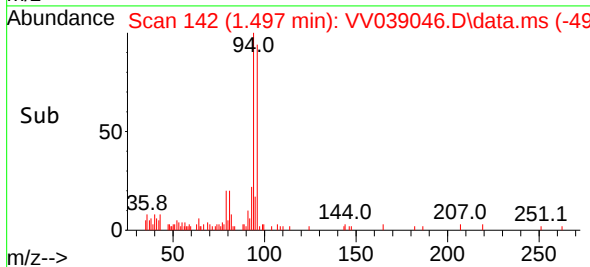
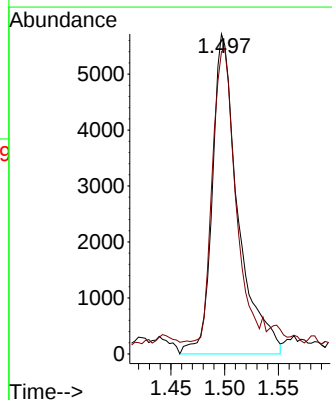
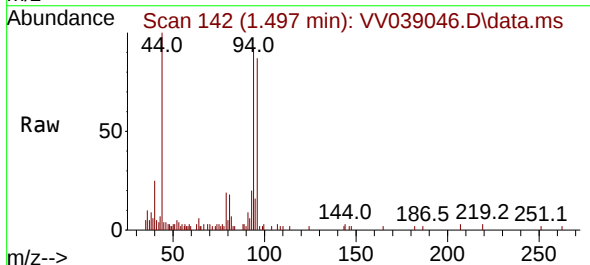
Instrument :
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 ClientSampleId :

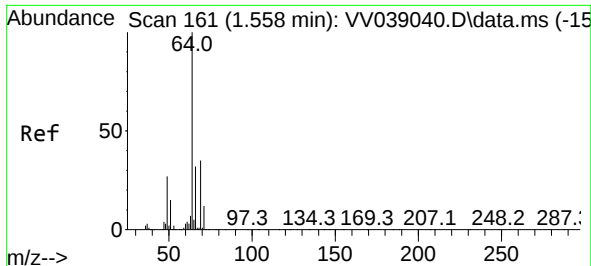
Tgt Ion: 62 Resp: 52
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.4 43.4



#6
 Bromomethane
 Concen: 2.010 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. 0.000 min
 Lab File: VV039046.D
 Acq: 11 Sep 2025 15:09

Tgt Ion: 94 Resp: 9483
 Ion Ratio Lower Upper
 94 100
 96 94.4 66.3 123.1

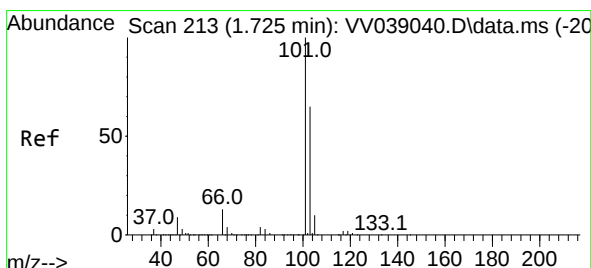
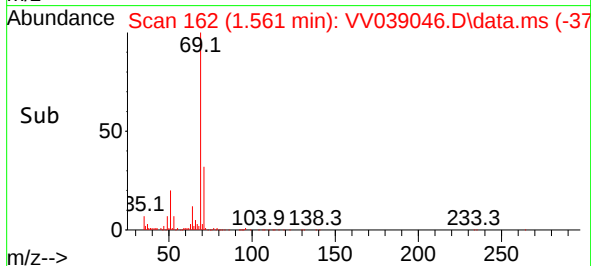
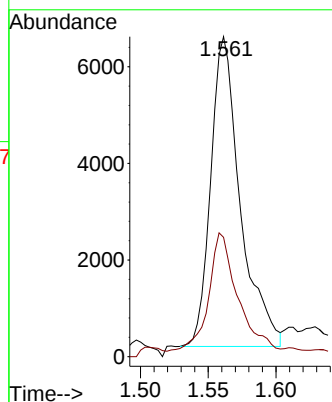
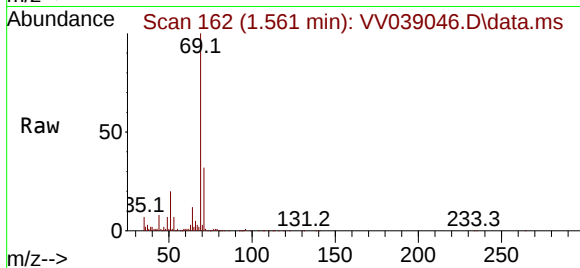




#8
Chloroethane
Concen: 1.805 ug/L
RT: 1.561 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

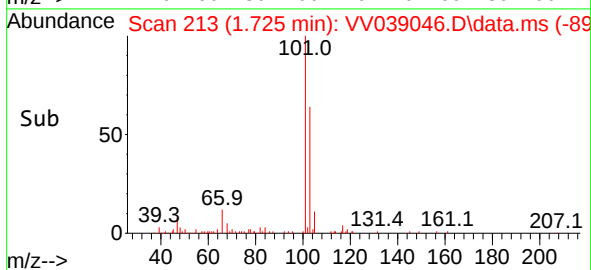
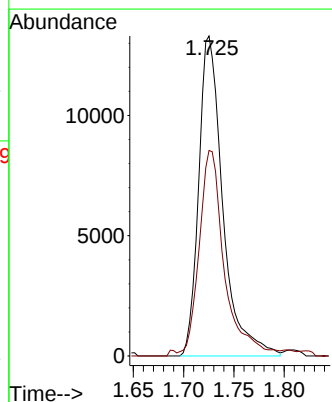
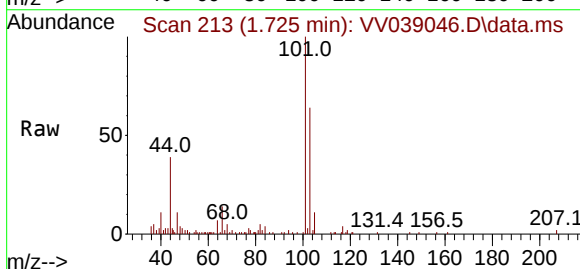
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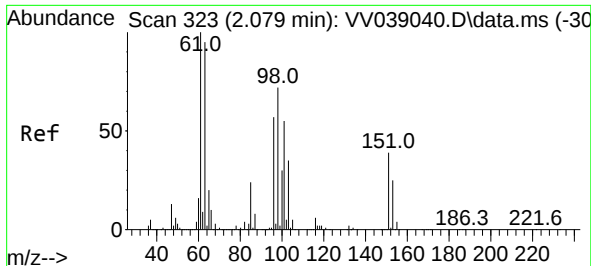
Tgt Ion: 64 Resp: 9716
Ion Ratio Lower Upper
64 100
66 37.3 22.4 41.6



#9
Trichlorofluoromethane
Concen: 1.859 ug/L
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Tgt Ion: 101 Resp: 22192
Ion Ratio Lower Upper
101 100
103 64.7 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.600 ug/L

RT: 2.076 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Instrument :

MSVOA_V

ClientSampleId :

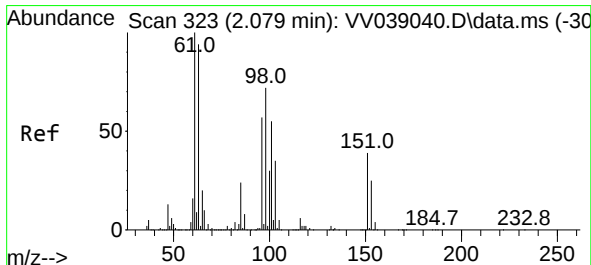
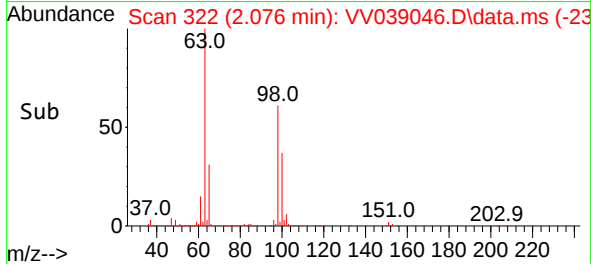
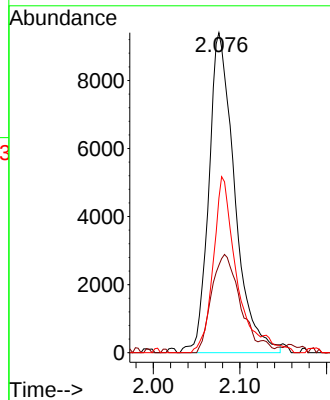
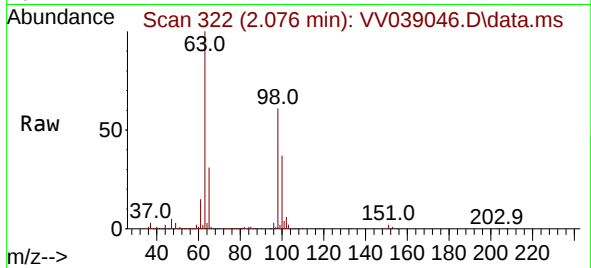
Tgt Ion:101 Resp: 19460

Ion Ratio Lower Upper

101 100

85 33.2 34.7 52.1#

151 47.5 54.6 81.8#



#12

1,1-Dichloroethene

Concen: 2.419 ug/L

RT: 2.079 min Scan# 323

Delta R.T. 0.000 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

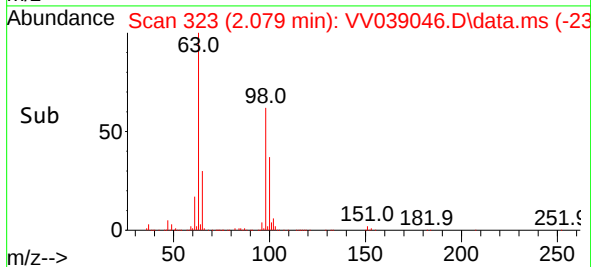
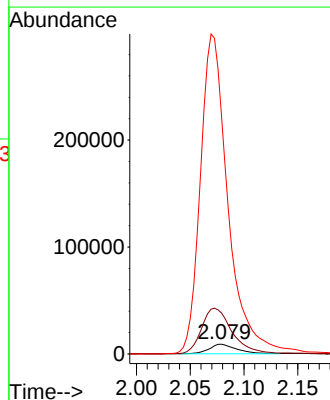
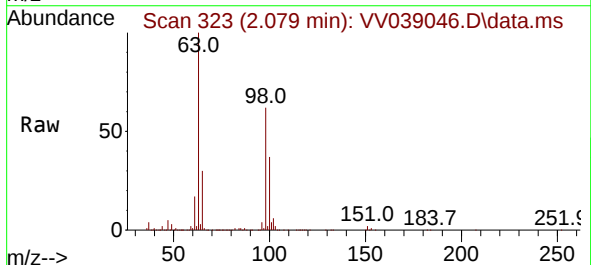
Tgt Ion: 96 Resp: 16078

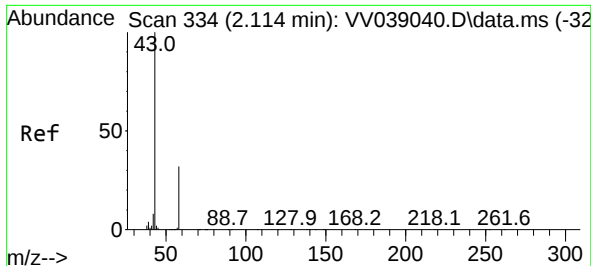
Ion Ratio Lower Upper

96 100

61 420.4 123.3 229.1#

63 2460.0 116.6 216.6#





#13

Acetone

Concen: 3.591 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV039046.D

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Instrument :

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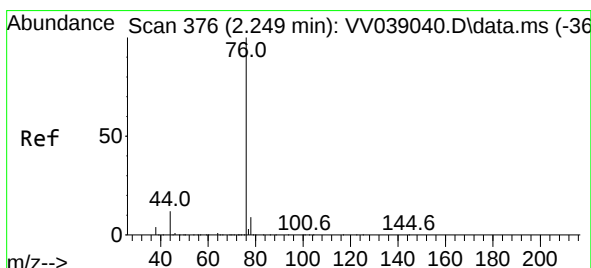
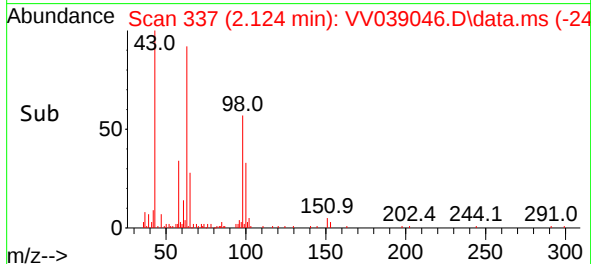
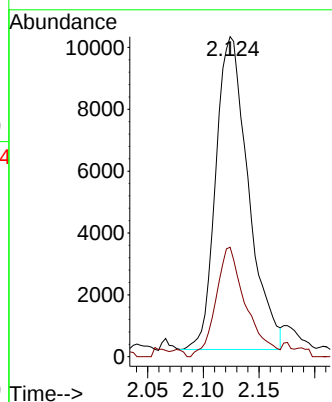
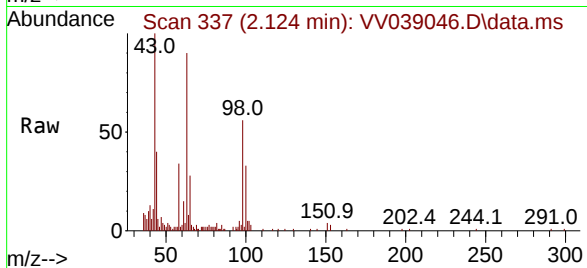
ClientSampleId :

Tgt Ion: 43 Resp: 20594

Ion Ratio Lower Upper

43 100

58 32.0 0.0 65.8



#14

Carbon disulfide

Concen: 1.805 ug/L

RT: 2.253 min Scan# 377

Delta R.T. 0.003 min

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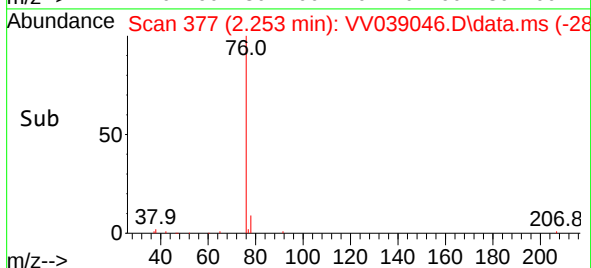
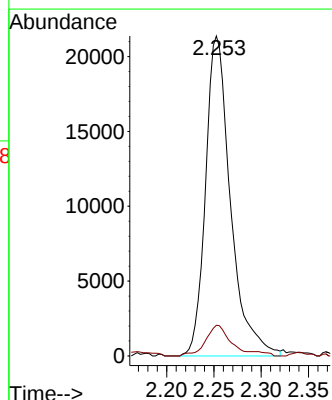
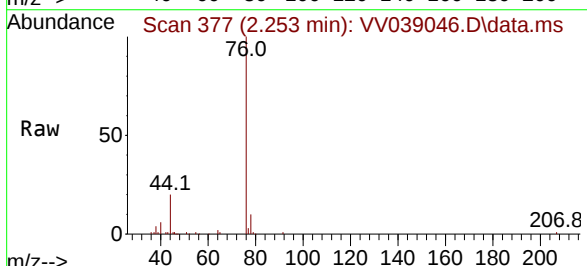
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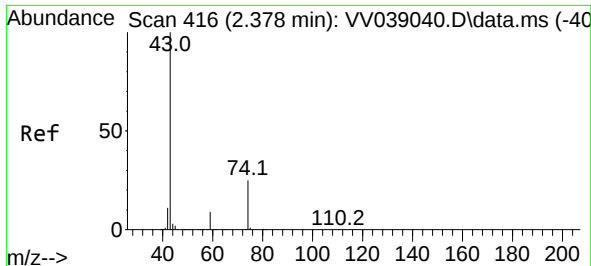
Tgt Ion: 76 Resp: 39268

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6

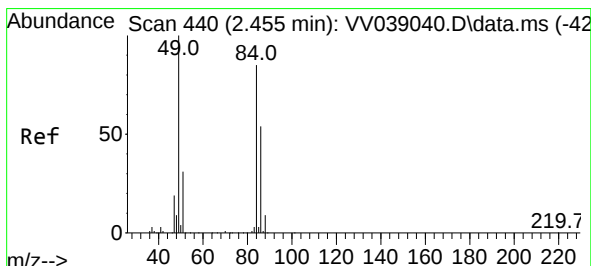
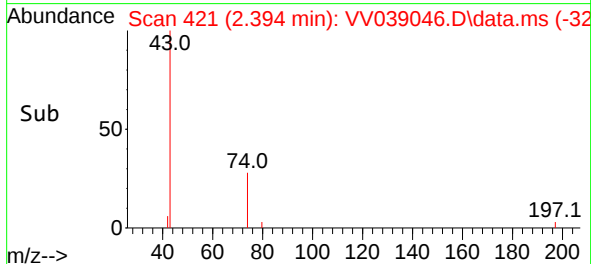
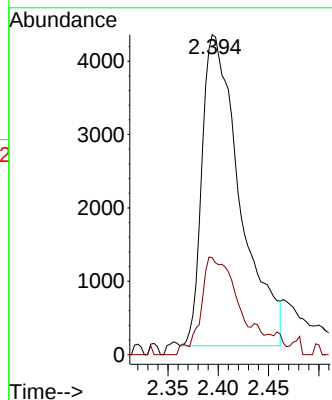
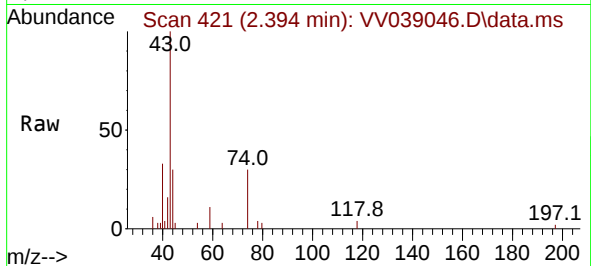




#15
Methyl Acetate
Concen: 1.491 ug/L
RT: 2.394 min Scan# 416
Delta R.T. 0.016 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

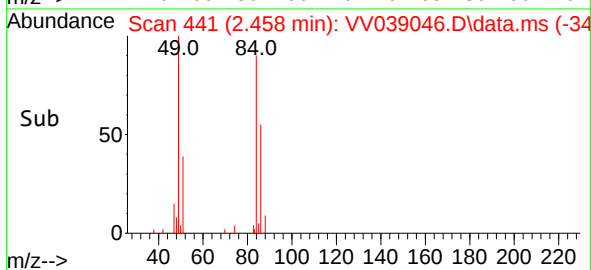
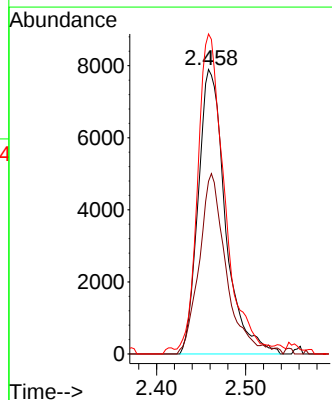
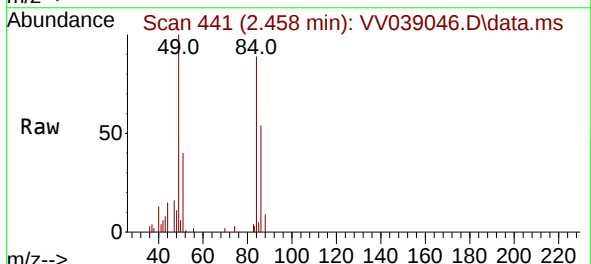
Instrument :
MSVOA_V
ClientSampleId :

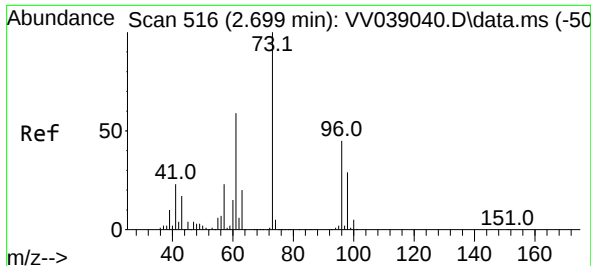
Tgt Ion: 43 Resp: 11121
Ion Ratio Lower Upper
43 100
74 24.9 19.6 29.4



#16
Methylene chloride
Concen: 2.285 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Tgt Ion: 84 Resp: 16715
Ion Ratio Lower Upper
84 100
86 60.7 44.7 83.1
49 112.5 82.0 152.4





#17

trans-1,2-Dichloroethene

Concen: 1.801 ug/L

RT: 2.712 min Scan# 51

Delta R.T. 0.013 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Instrument :

MSVOA_V

ClientSampleId :

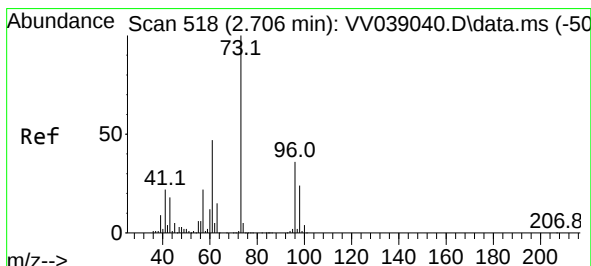
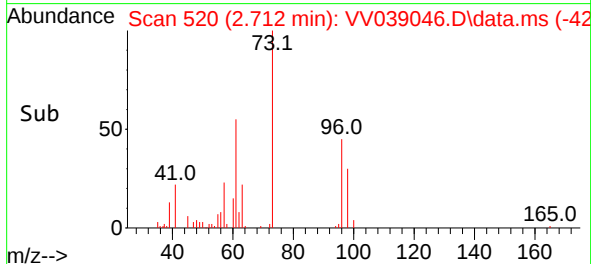
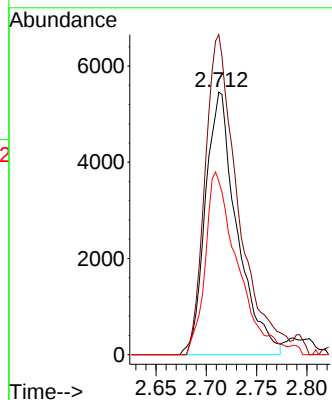
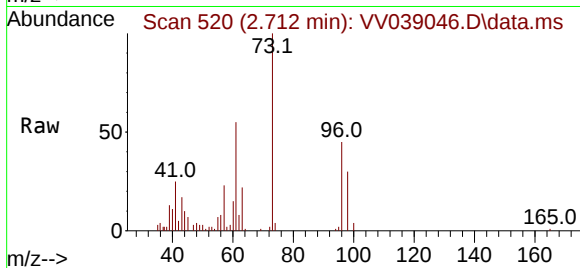
Tgt Ion: 96 Resp: 11913

Ion Ratio Lower Upper

96 100

61 121.9 91.3 169.5

98 66.1 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 1.612 ug/L

RT: 2.716 min Scan# 521

Delta R.T. 0.010 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

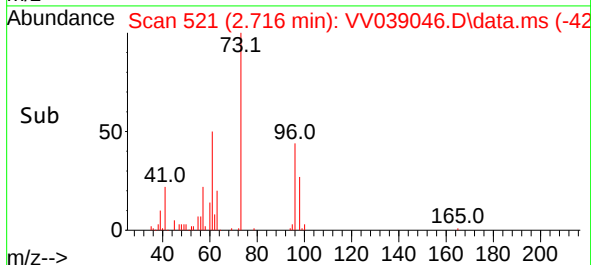
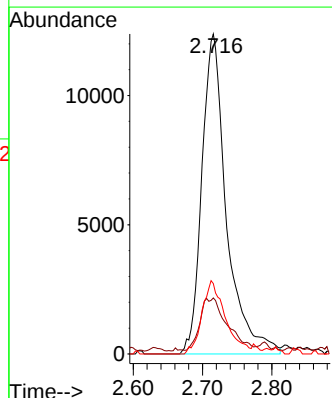
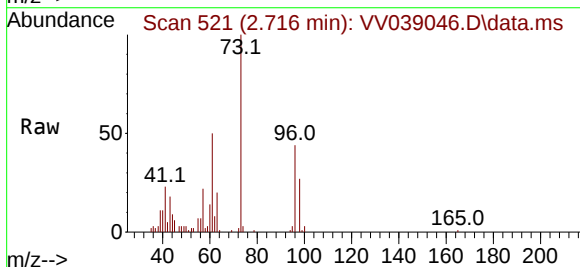
Tgt Ion: 73 Resp: 30561

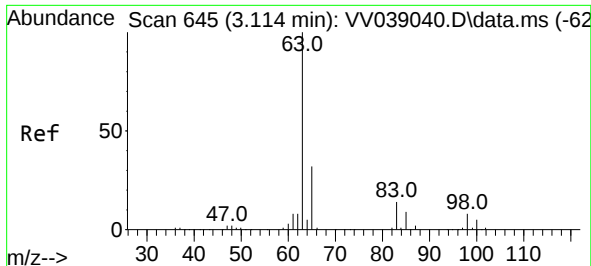
Ion Ratio Lower Upper

73 100

43 6.5 14.2 21.4#

57 21.8 17.5 26.3





#19

1,1-Dichloroethane

Concen: 1.820 ug/L

RT: 3.124 min Scan# 645

Delta R.T. 0.010 min

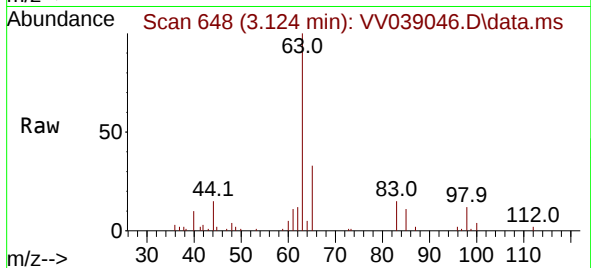
Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

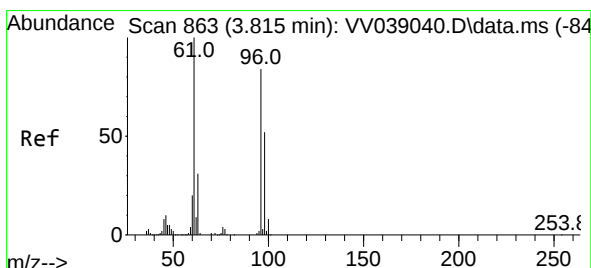
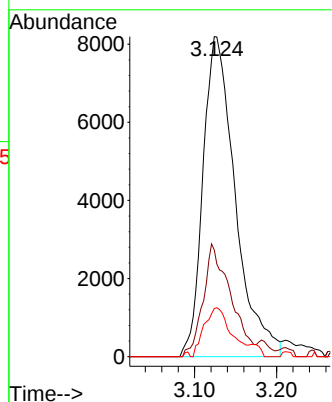
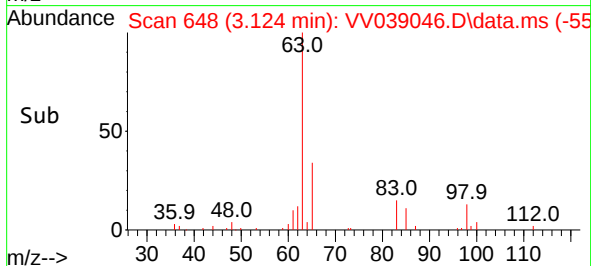
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	63	Resp:	22401
Ion	Ratio	Lower	Upper
63	100		
65	33.4	22.4	41.6
83	15.1	9.6	17.8



#20

cis-1,2-Dichloroethene

Concen: 1.845 ug/L

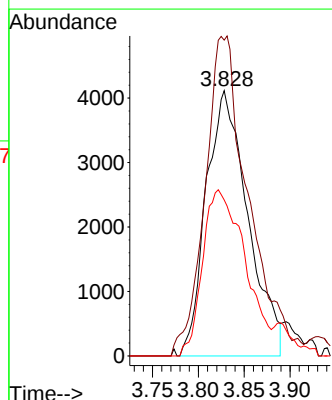
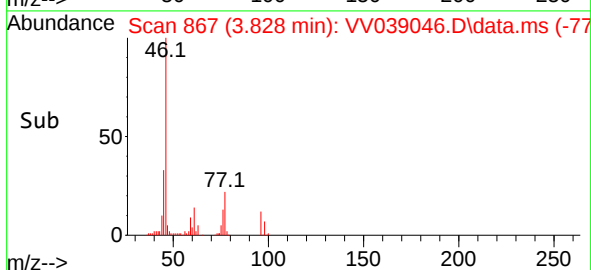
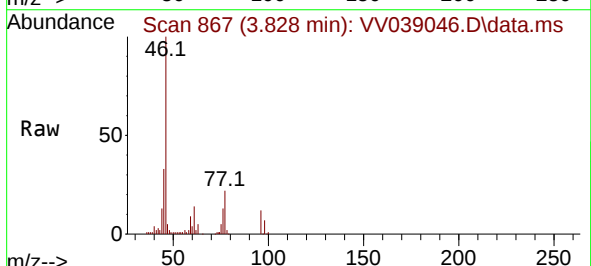
RT: 3.828 min Scan# 867

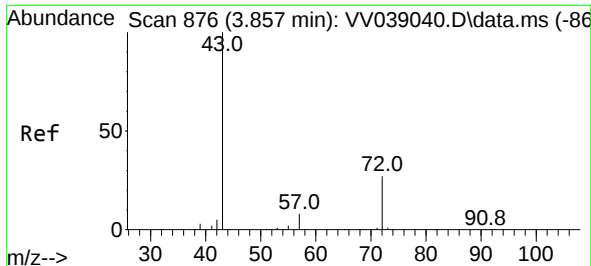
Delta R.T. 0.013 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Tgt Ion:	96	Resp:	13040
Ion	Ratio	Lower	Upper
96	100		
61	119.1	83.8	155.6
98	58.8	43.5	80.9





#22

2-Butanone

Concen: 0.939 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.061 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Instrument :

MSVOA_V

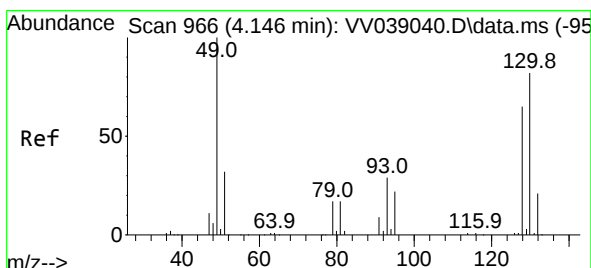
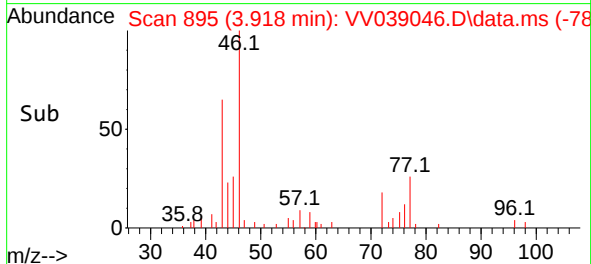
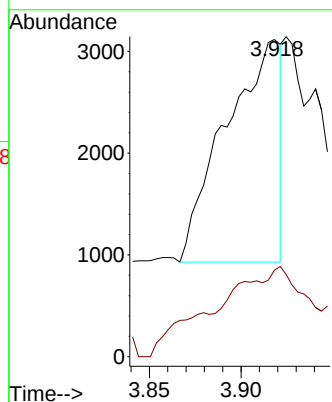
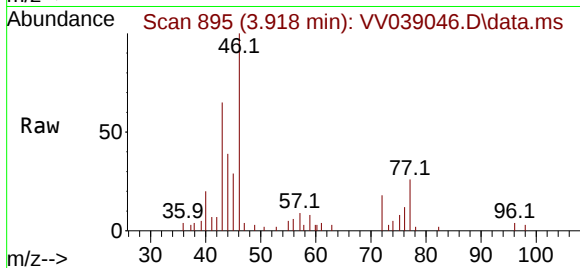
ClientSampleId :

Tgt Ion: 43 Resp: 4547

Ion Ratio Lower Upper

43 100

72 5.6 13.2 39.5#



#23

Bromochloromethane

Concen: 0.641 ug/L

RT: 4.156 min Scan# 969

Delta R.T. 0.010 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Tgt Ion:128 Resp: 2478

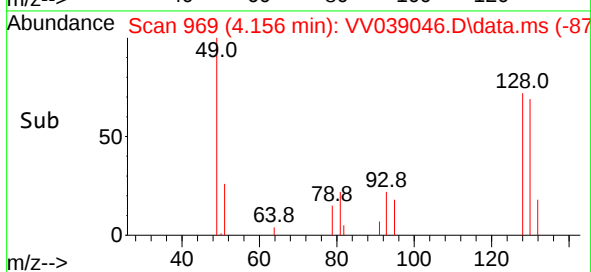
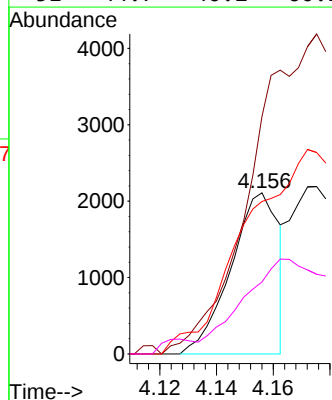
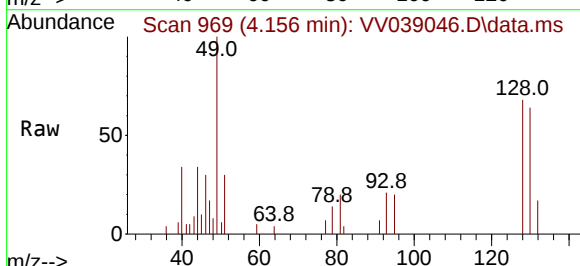
Ion Ratio Lower Upper

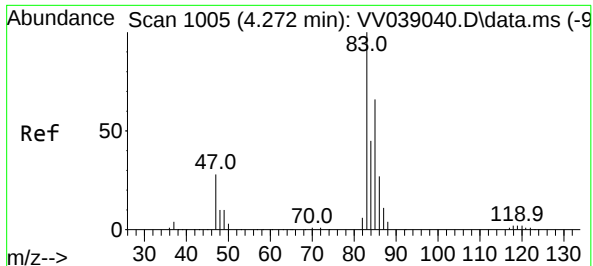
128 100

49 147.4 108.4 201.4

130 94.6 89.1 165.5

51 44.7 40.2 60.2





#25

Chloroform

Concen: 2.400 ug/L

RT: 4.281 min Scan# 1005

Delta R.T. 0.010 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Instrument :

MSVOA_V

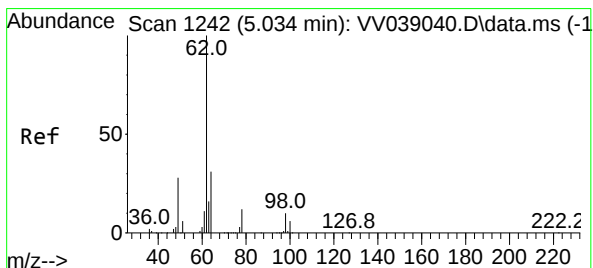
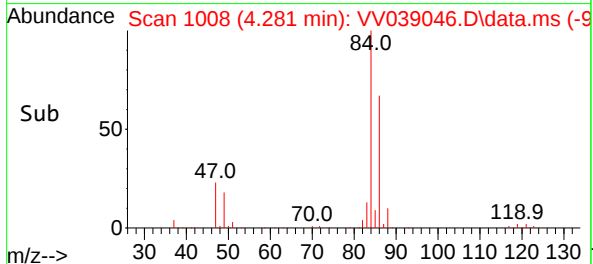
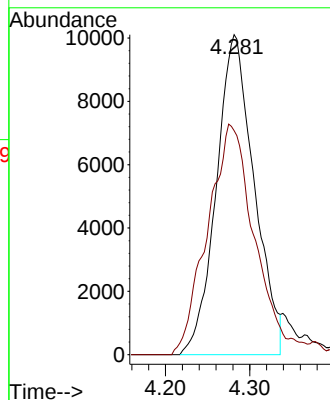
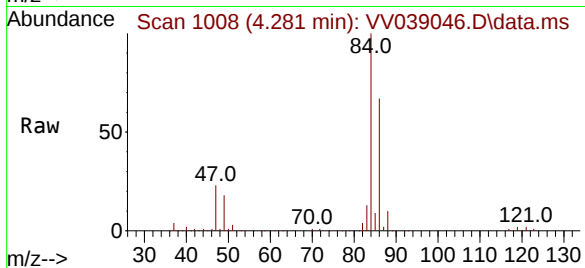
ClientSampleId :

Tgt Ion: 83 Resp: 31521

Ion Ratio Lower Upper

83 100

85 70.0 46.1 85.5



#27

1,2-Dichloroethane

Concen: 1.426 ug/L

RT: 5.063 min Scan# 1251

Delta R.T. 0.029 min

Lab File: VV039046.D

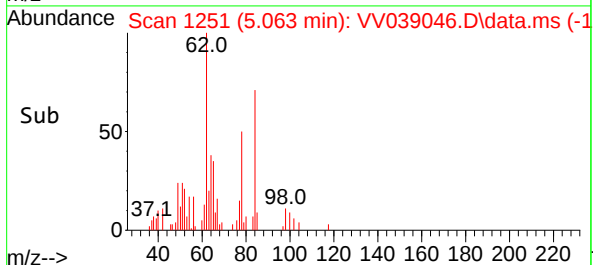
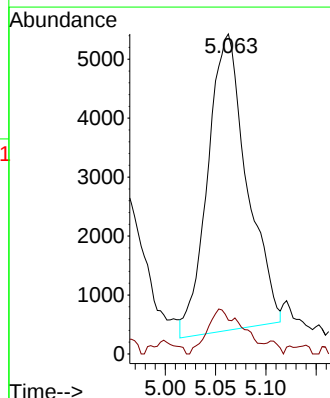
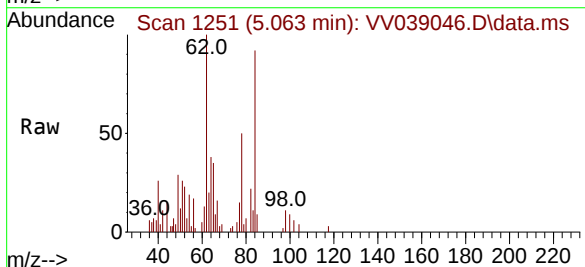
Acq: 11 Sep 2025 15:09

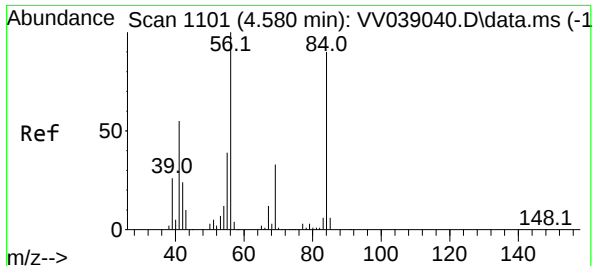
Tgt Ion: 62 Resp: 13641

Ion Ratio Lower Upper

62 100

98 10.6 8.2 12.4





#29

Cyclohexane

Concen: 1.529 ug/L

RT: 4.587 min Scan# 1101

Delta R.T. 0.007 min

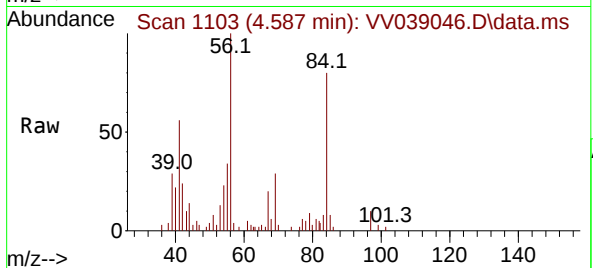
Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

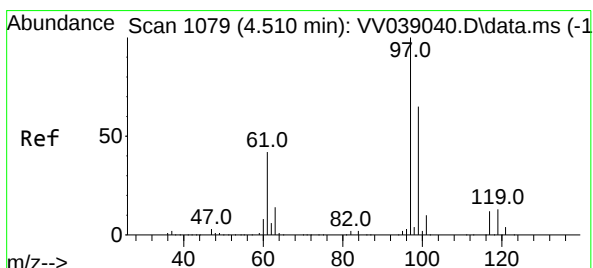
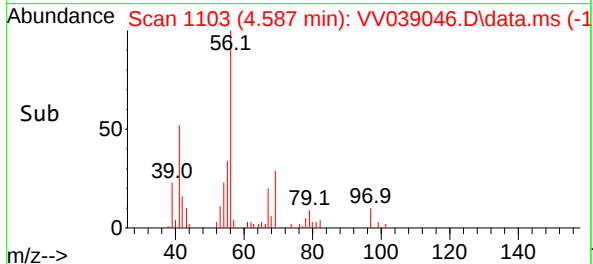
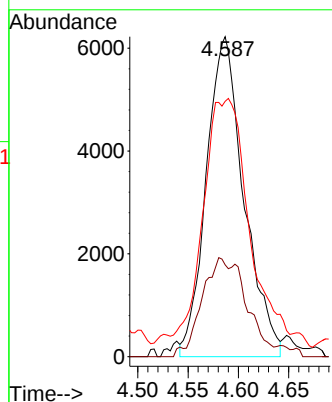
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 56	Resp: 16234
Ion Ratio	Lower Upper
56	100
69	18.2 25.1 37.7#
84	37.6 73.0 109.4#



#30

1,1,1-Trichloroethane

Concen: 1.738 ug/L

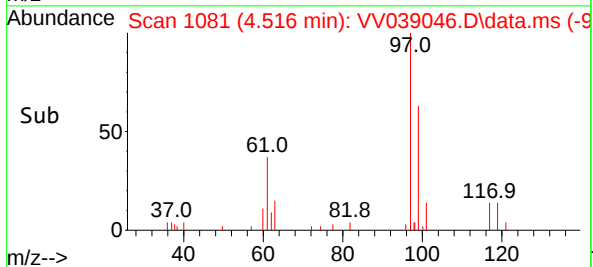
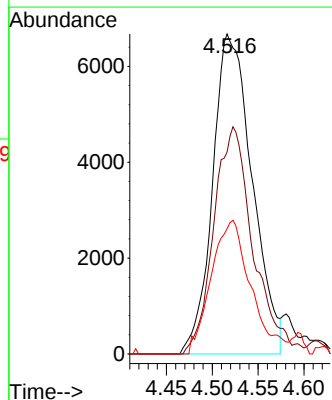
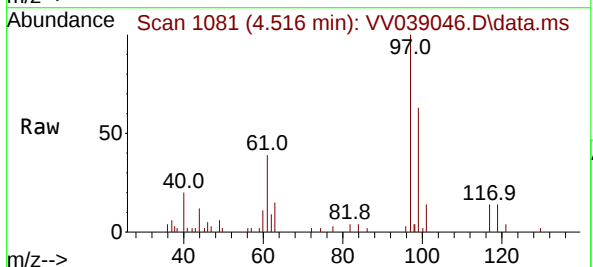
RT: 4.516 min Scan# 1081

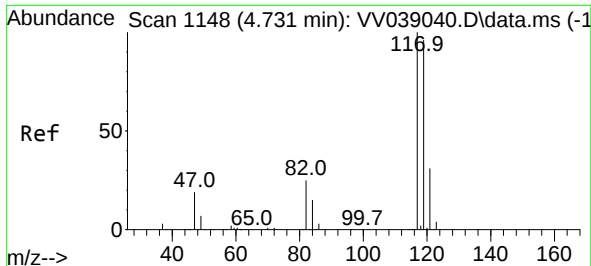
Delta R.T. 0.007 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

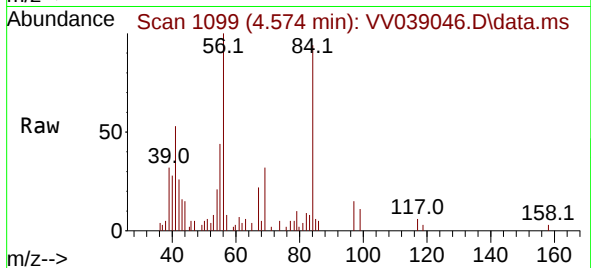
Tgt Ion: 97	Resp: 20033
Ion Ratio	Lower Upper
97	100
99	69.9 51.1 76.7
61	40.0 33.7 50.5



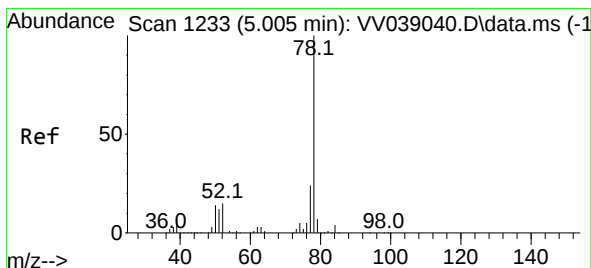
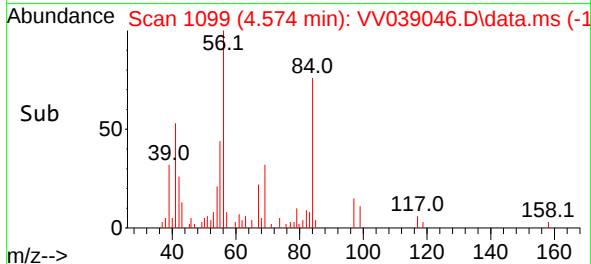
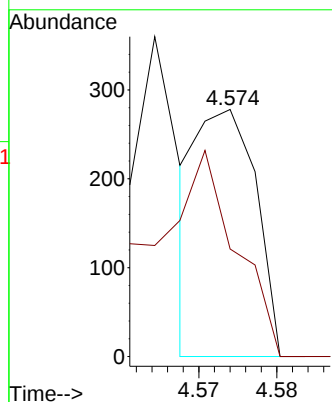


#31
Carbon tetrachloride
Concen: 0.014 ug/L
RT: 4.574 min Scan# 1148
Delta R.T. -0.157 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Instrument :
MSVOA_V
ClientSampleId :

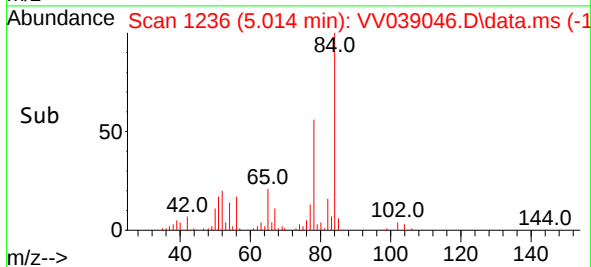
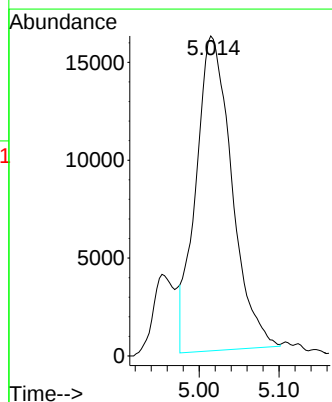
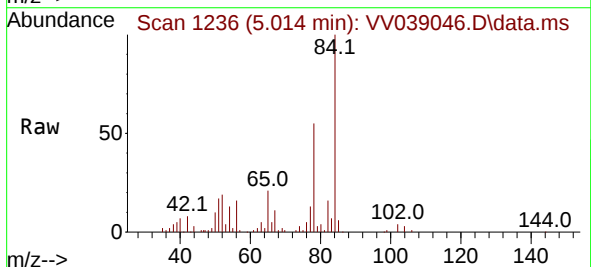


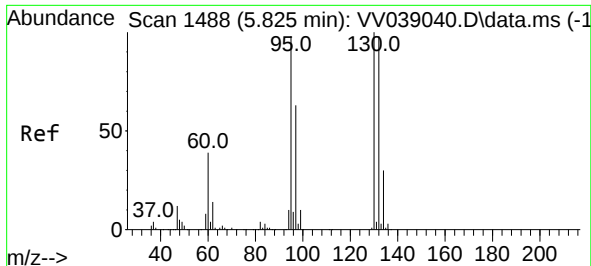
Tgt Ion:117 Resp: 145
Ion Ratio Lower Upper
117 100
119 80.7 76.2 114.4



#33
Benzene
Concen: 1.881 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.010 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

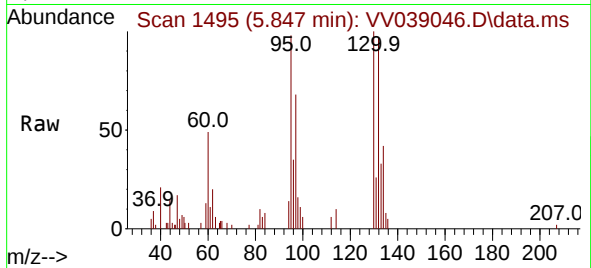
Tgt Ion: 78 Resp: 50120



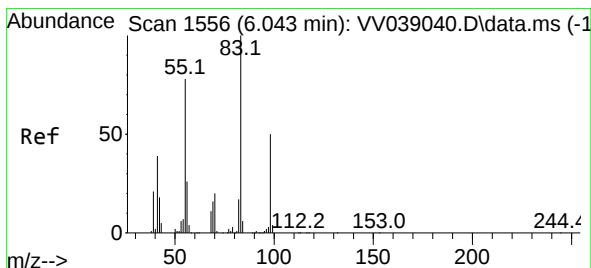
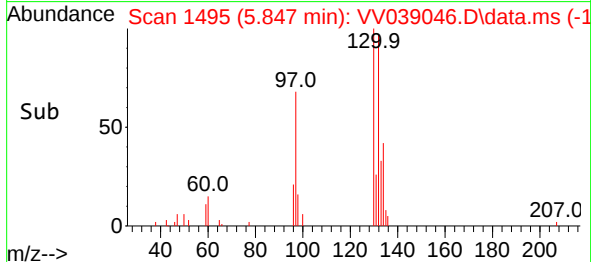
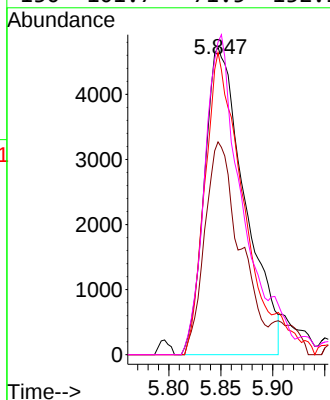


#34
Trichloroethene
Concen: 1.768 ug/L
RT: 5.847 min Scan# 1488
Delta R.T. 0.023 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Instrument :
MSVOA_V
ClientSampleId :

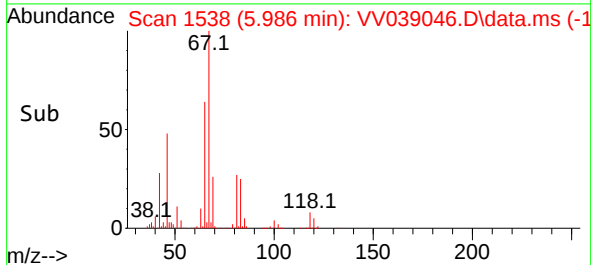
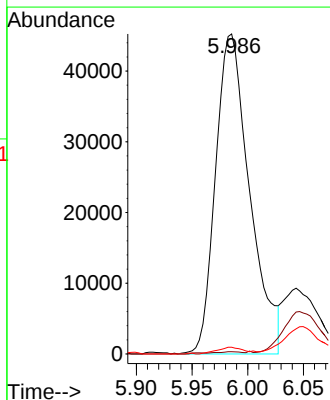
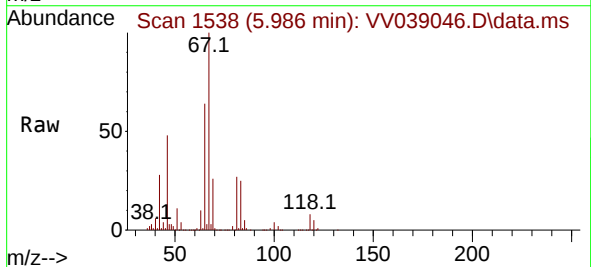


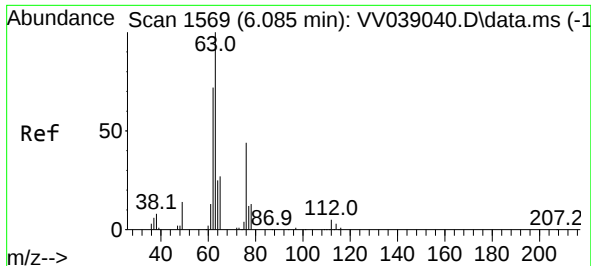
Tgt Ion:	95	Resp:	12774
Ion	Ratio	Lower	Upper
95	100		
97	69.3	45.4	84.2
132	98.3	69.9	129.7
130	101.7	71.5	132.9



#35
Methylcyclohexane
Concen: 8.349 ug/L
RT: 5.986 min Scan# 1538
Delta R.T. -0.058 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Tgt Ion:	83	Resp:	96505
Ion	Ratio	Lower	Upper
83	100		
55	0.4	59.0	88.6#
98	1.6	37.7	56.5#





#37

1,2-Dichloropropane

Concen: 1.839 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.019 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Instrument :

MSVOA_V

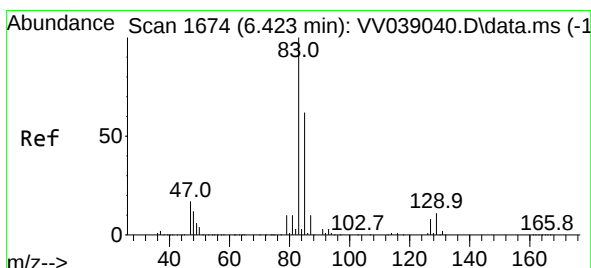
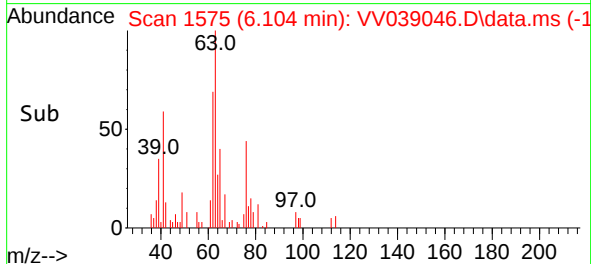
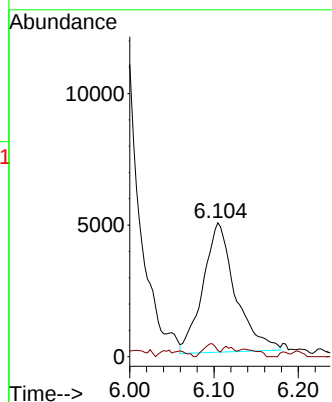
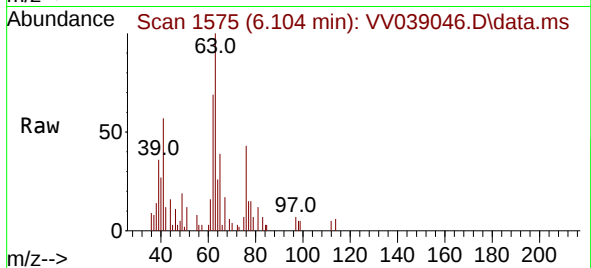
ClientSampleId :

Tgt Ion: 63 Resp: 13118

Ion Ratio Lower Upper

63 100

112 4.2 3.6 5.4



#38

Bromodichloromethane

Concen: 1.681 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.019 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

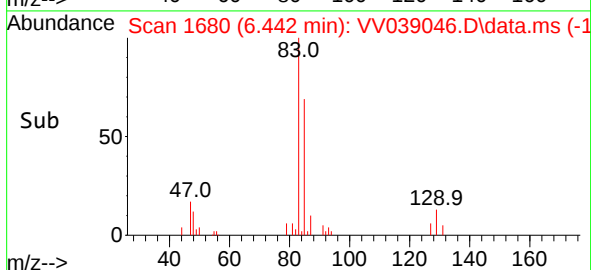
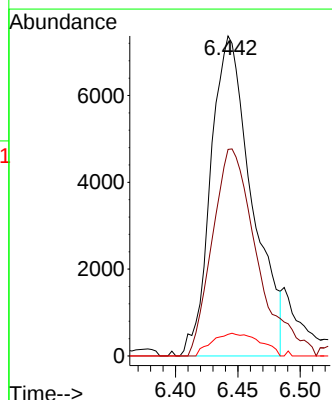
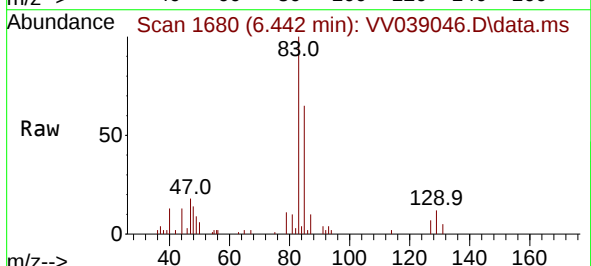
Tgt Ion: 83 Resp: 16880

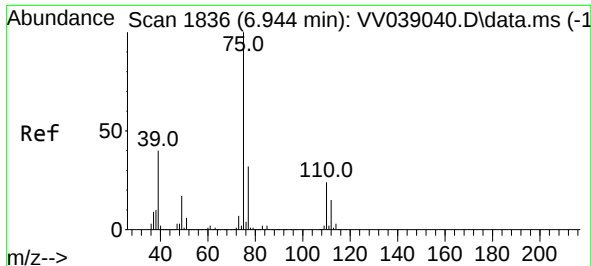
Ion Ratio Lower Upper

83 100

85 64.6 43.5 80.7

127 6.8 6.4 9.6

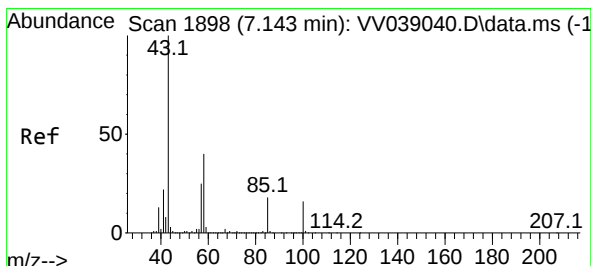
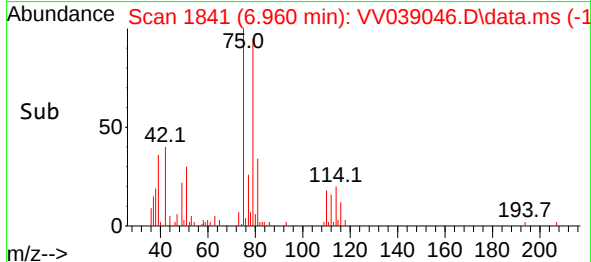
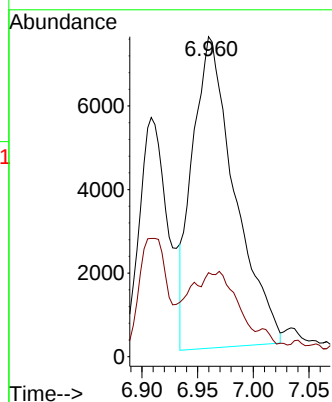
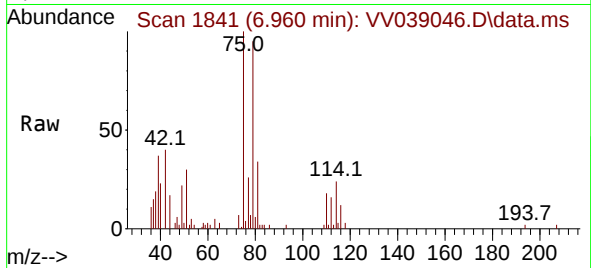




#39
 cis-1,3-Dichloropropene
 Concen: 1.730 ug/L
 RT: 6.960 min Scan# 11
 Delta R.T. 0.016 min
 Lab File: VV039046.D
 Acq: 11 Sep 2025 15:09

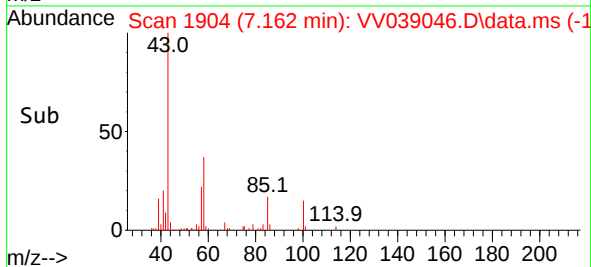
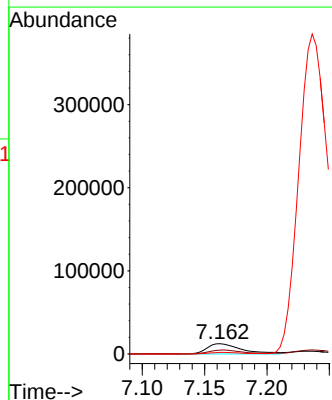
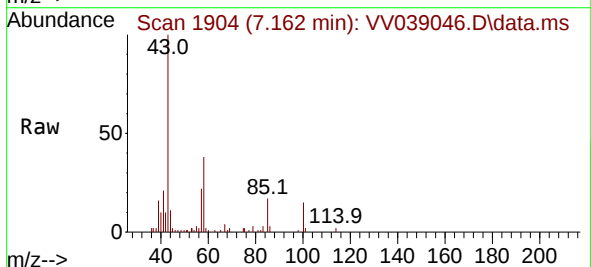
Instrument :
 MSVOA_V
 ClientSampleId :

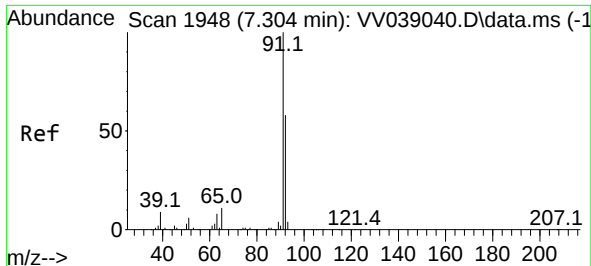
Tgt Ion: 75 Resp: 19666
 Ion Ratio Lower Upper
 75 100
 77 26.3 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 2.634 ug/L
 RT: 7.162 min Scan# 1904
 Delta R.T. 0.019 min
 Lab File: VV039046.D
 Acq: 11 Sep 2025 15:09

Tgt Ion: 43 Resp: 23838
 Ion Ratio Lower Upper
 43 100
 58 35.4 32.6 48.8
 100 13.7 12.7 19.1

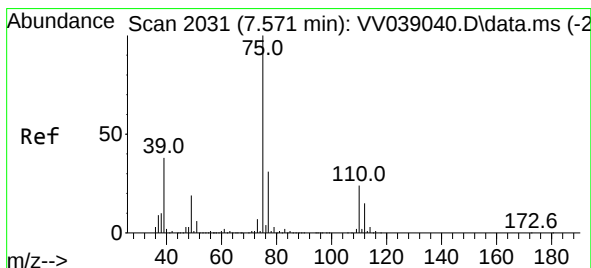
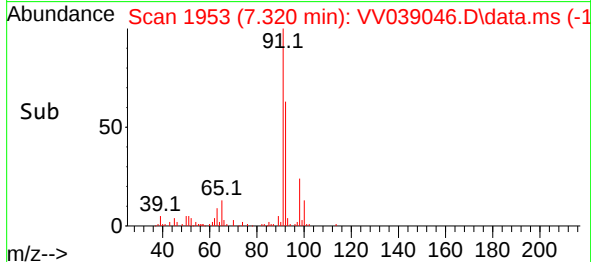
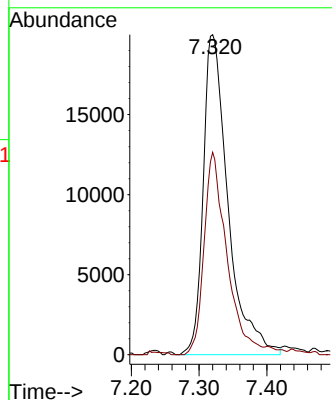
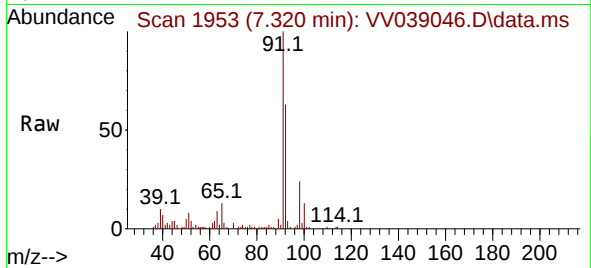




#42
Toluene
Concen: 1.729 ug/L
RT: 7.320 min Scan# 1948
Delta R.T. 0.016 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

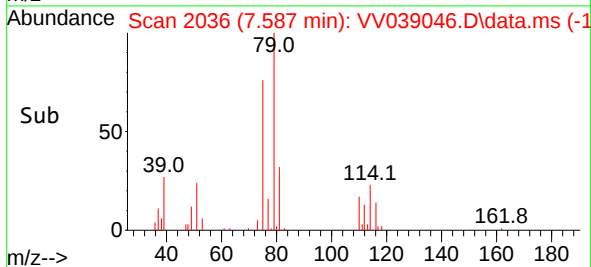
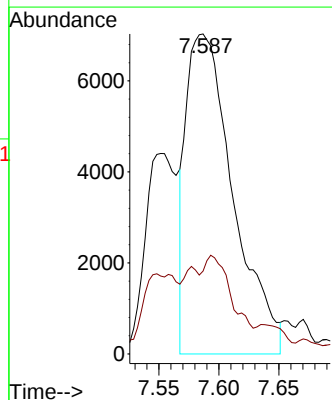
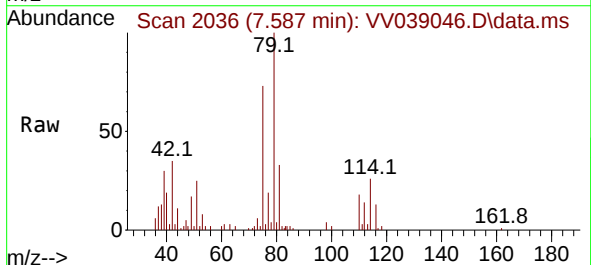
Instrument :
MSVOA_V
ClientSampleId :

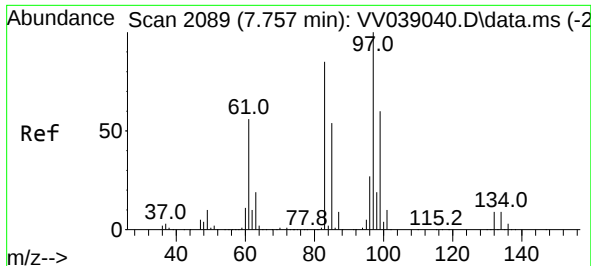
Tgt Ion: 91 Resp: 50776
Ion Ratio Lower Upper
91 100
92 63.3 40.9 75.9



#44
trans-1,3-Dichloropropene
Concen: 1.749 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. 0.016 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Tgt Ion: 75 Resp: 19167
Ion Ratio Lower Upper
75 100
77 25.9 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 1.706 ug/L

RT: 7.780 min Scan# 2089

Delta R.T. 0.023 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 12883

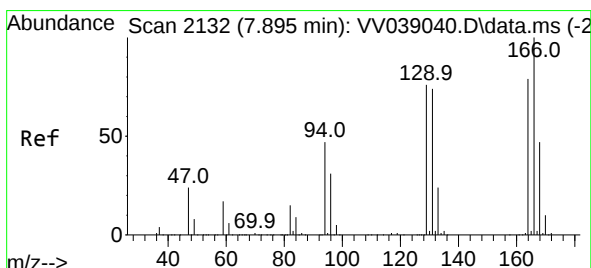
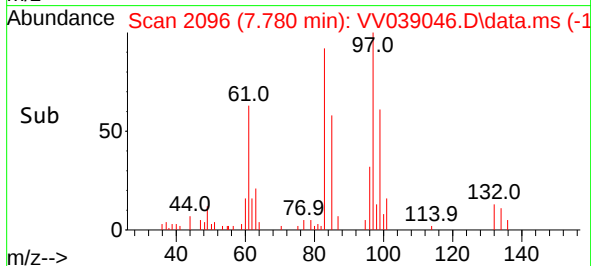
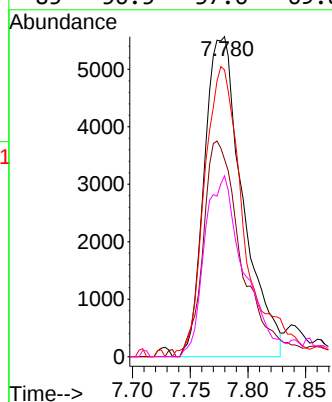
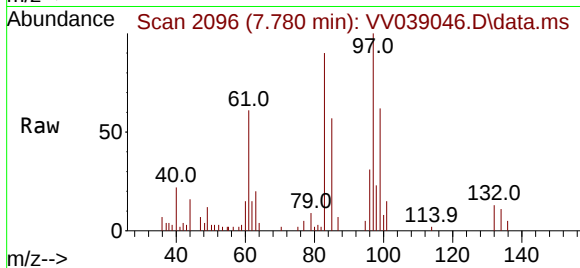
Ion Ratio Lower Upper

97 100

99 61.7 42.3 78.5

83 89.6 59.4 110.2

85 56.5 37.6 69.8



#46

Tetrachloroethene

Concen: 1.861 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.007 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Tgt Ion: 164 Resp: 10426

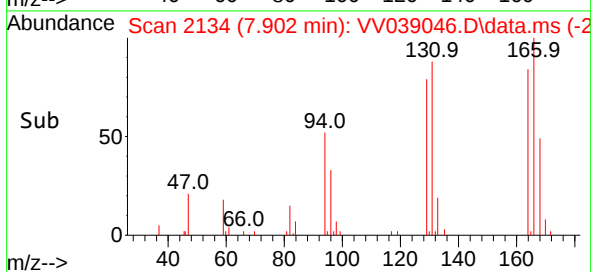
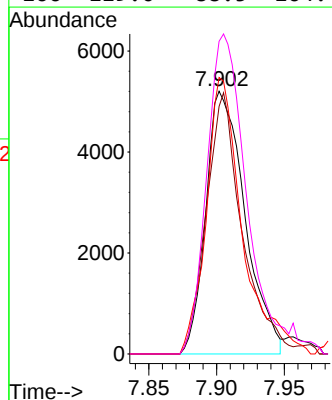
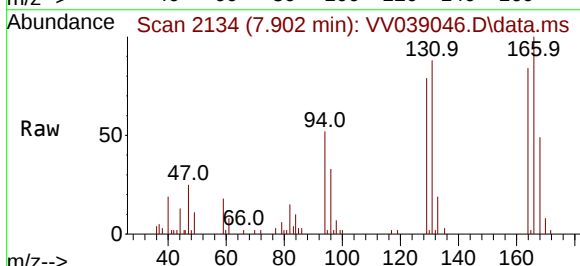
Ion Ratio Lower Upper

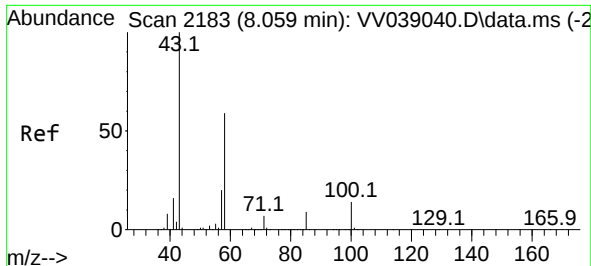
164 100

129 94.2 67.0 124.4

131 105.2 65.6 121.8

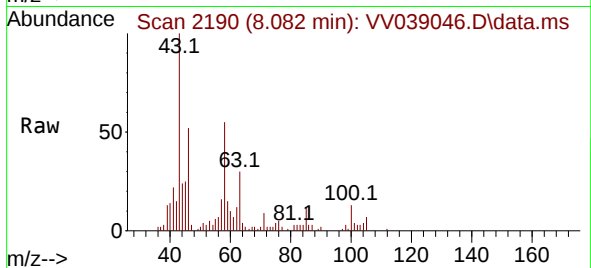
166 119.0 88.5 164.4



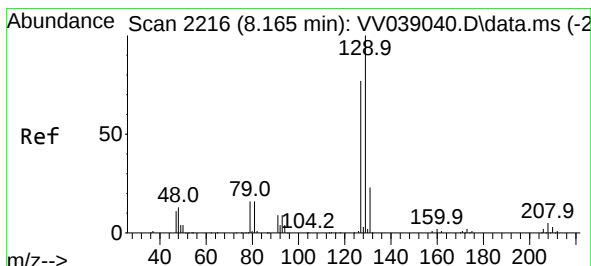
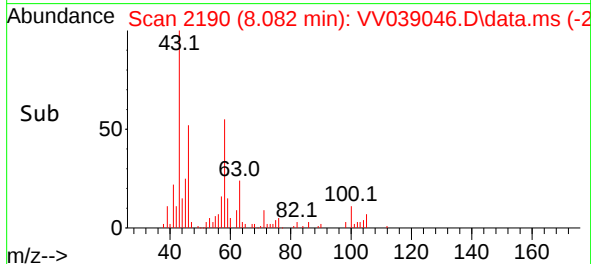
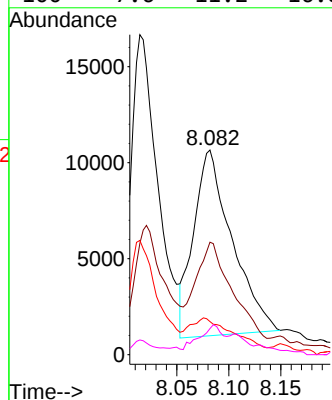


#48
2-Hexanone
Concen: 3.944 ug/L
RT: 8.082 min Scan# 2183
Delta R.T. 0.023 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Instrument :
MSVOA_V
ClientSampleId :

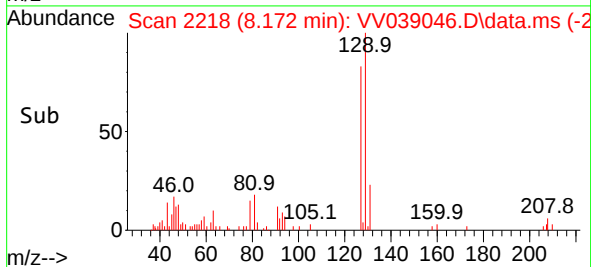
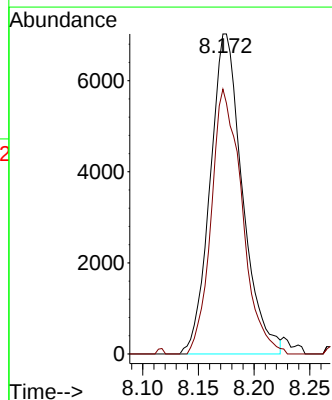
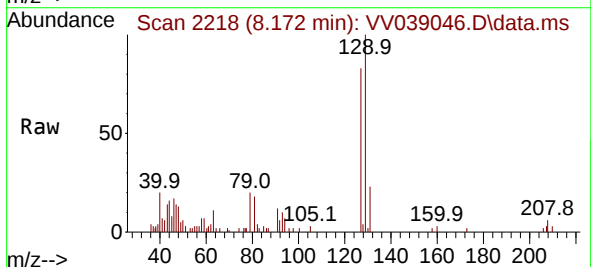


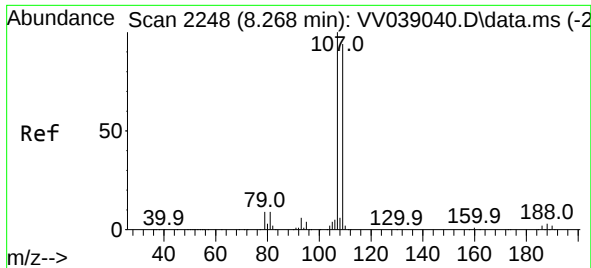
Tgt Ion: 43 Resp: 24893
Ion Ratio Lower Upper
43 100
58 51.3 46.3 69.5
57 24.4 15.8 23.6#
100 7.6 11.2 16.8#



#49
Dibromochloromethane
Concen: 1.781 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.007 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Tgt Ion: 129 Resp: 14210
Ion Ratio Lower Upper
129 100
127 82.8 53.8 100.0

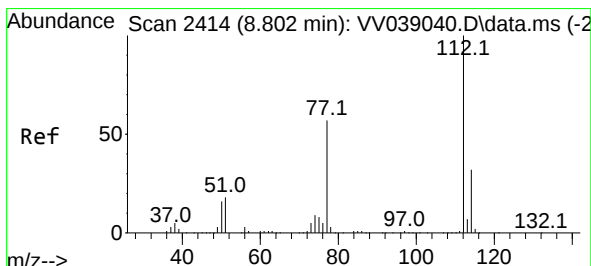
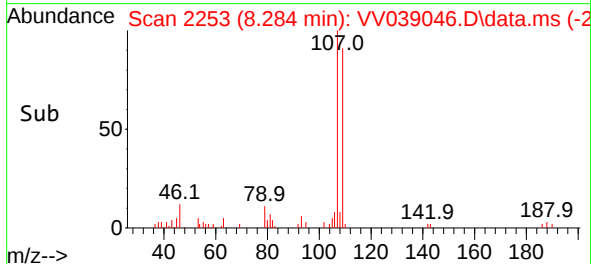
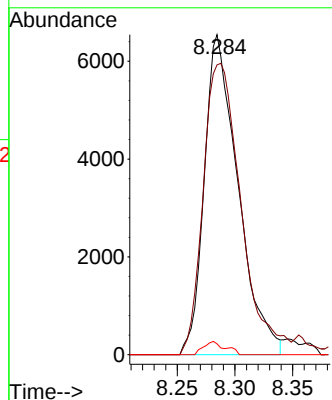
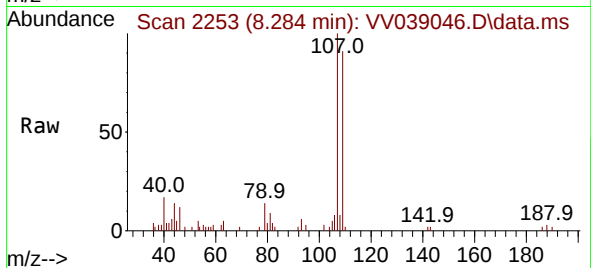




#50
1,2-Dibromoethane
Concen: 1.686 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.016 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

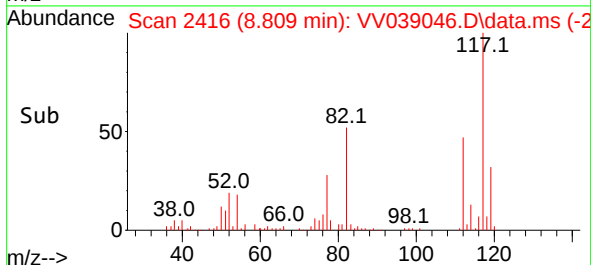
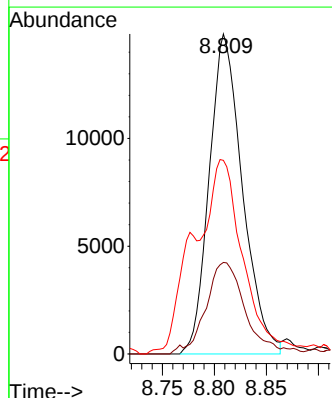
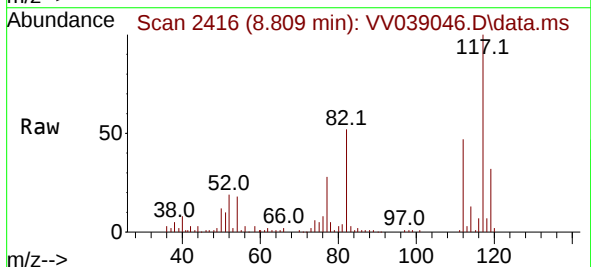
Instrument :
MSVOA_V
ClientSampleId :

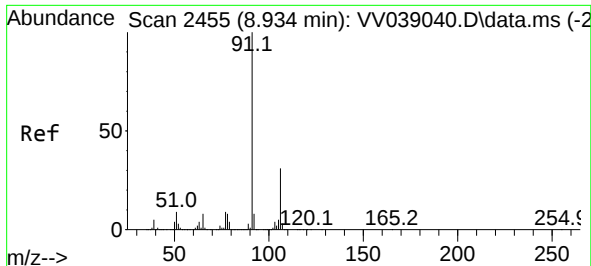
Tgt Ion:107 Resp: 13295
Ion Ratio Lower Upper
107 100
109 90.5 66.1 122.8
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 1.732 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.007 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Tgt Ion:112 Resp: 33038
Ion Ratio Lower Upper
112 100
114 28.6 22.3 41.3
77 60.5 45.5 68.3





#52

Ethylbenzene

Concen: 1.499 ug/L

RT: 8.947 min Scan# 24

Delta R.T. 0.013 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Instrument :

MSVOA_V

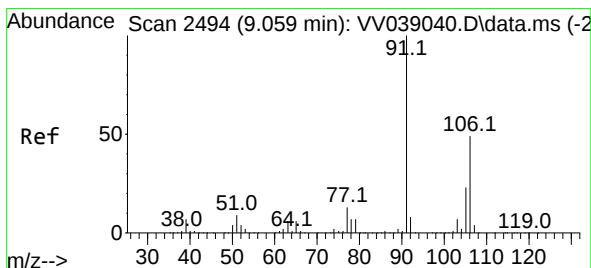
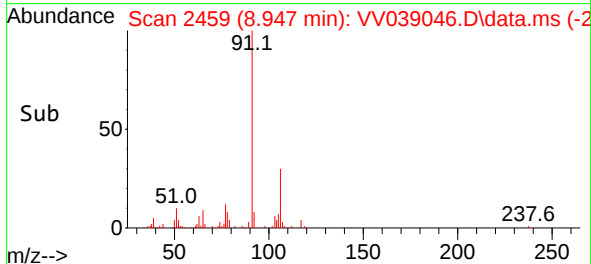
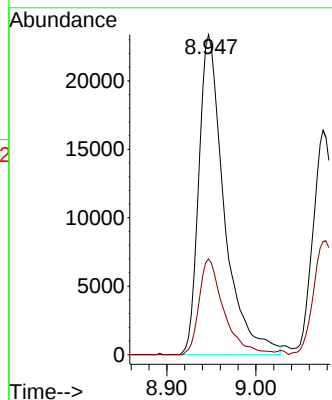
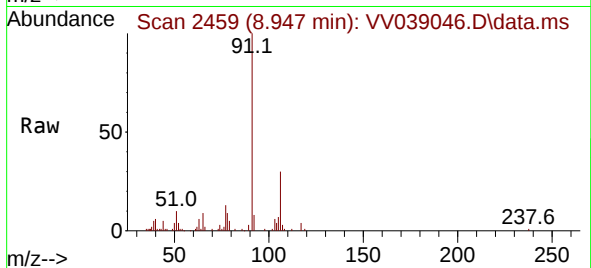
ClientSampleId :

Tgt Ion: 91 Resp: 46319

Ion Ratio Lower Upper

91 100

106 29.9 21.7 40.3



#53

m,p-Xylene

Concen: 1.451 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.019 min

Lab File: VV039046.D

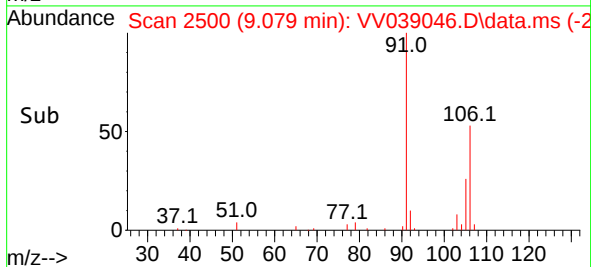
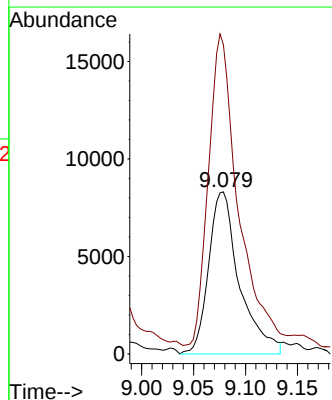
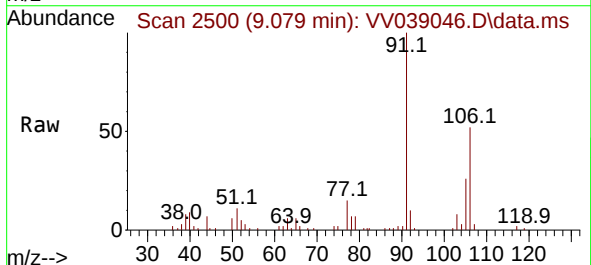
Acq: 11 Sep 2025 15:09

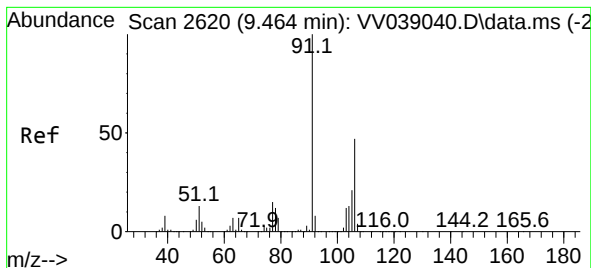
Tgt Ion:106 Resp: 17151

Ion Ratio Lower Upper

106 100

91 190.8 142.0 263.8





#54

o-Xylene

Concen: 1.346 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.013 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Instrument :

MSVOA_V

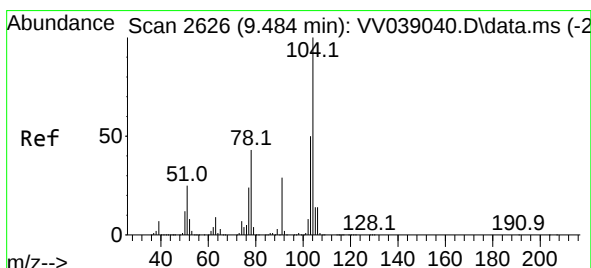
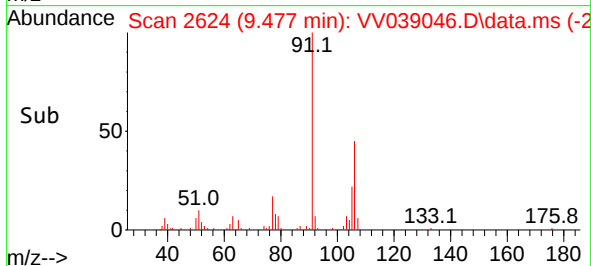
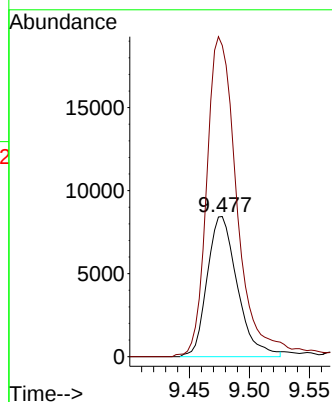
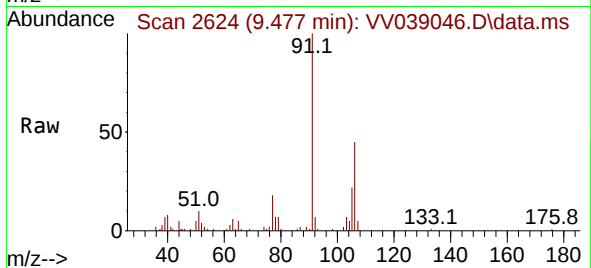
ClientSampleId :

Tgt Ion:106 Resp: 14735

Ion Ratio Lower Upper

106 100

91 221.9 149.1 276.9



#55

Styrene

Concen: 1.281 ug/L

RT: 9.503 min Scan# 2632

Delta R.T. 0.019 min

Lab File: VV039046.D

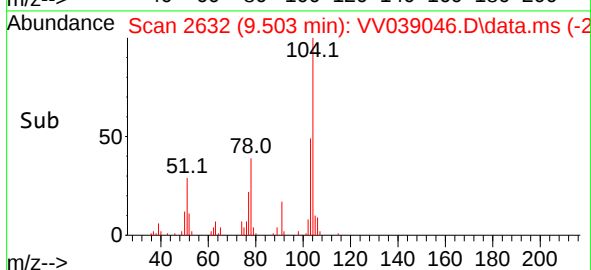
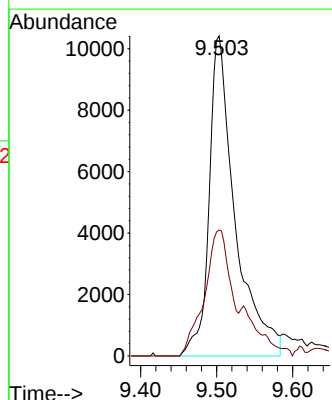
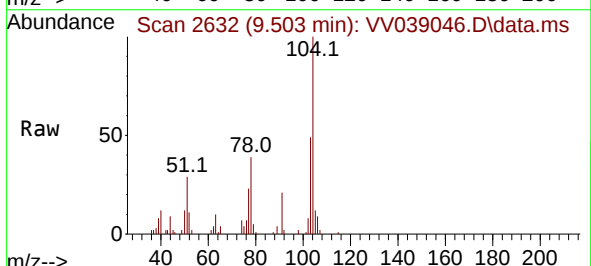
Acq: 11 Sep 2025 15:09

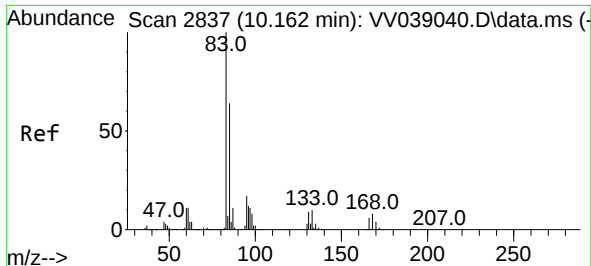
Tgt Ion:104 Resp: 24780

Ion Ratio Lower Upper

104 100

78 39.4 30.3 56.3

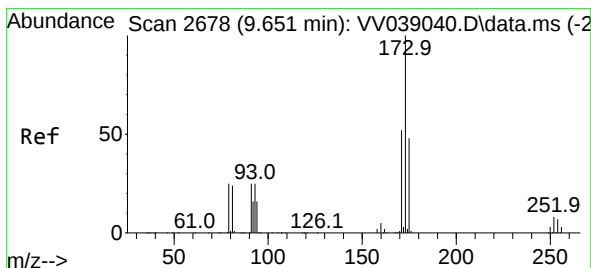
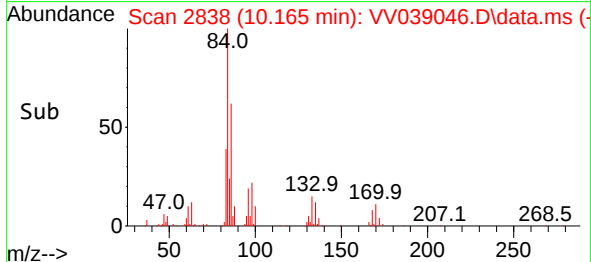
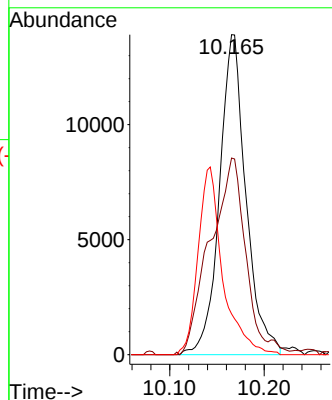
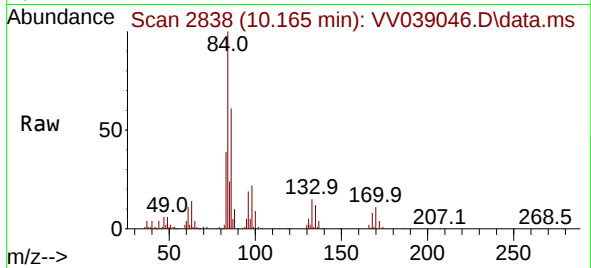




#57
1,1,2,2-Tetrachloroethane
Concen: 2.219 ug/L
RT: 10.165 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

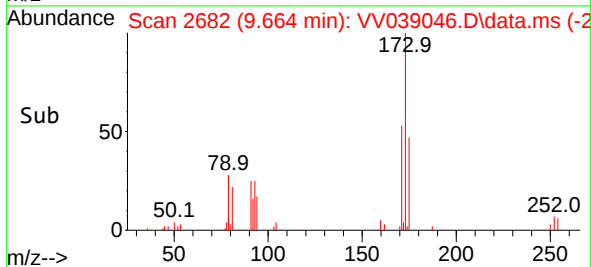
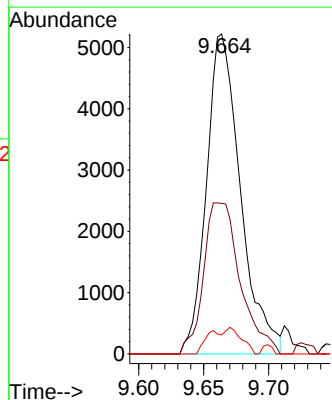
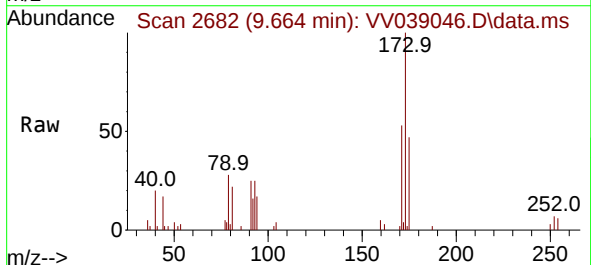
Instrument :
MSVOA_V
ClientSampleId :

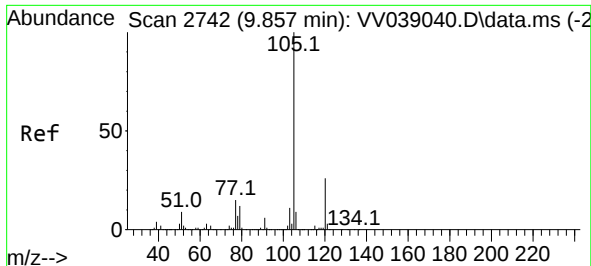
Tgt Ion: 83 Resp: 27012
Ion Ratio Lower Upper
83 100
85 61.5 44.8 83.2
131 12.7 7.6 11.4#



#59
Bromoform
Concen: 1.940 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.013 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Tgt Ion: 173 Resp: 9507
Ion Ratio Lower Upper
173 100
175 0.0 38.9 58.3#
254 4.1 5.9 8.9#

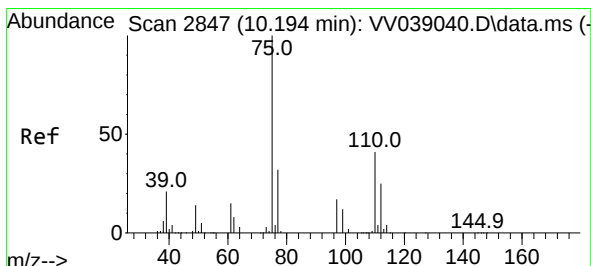
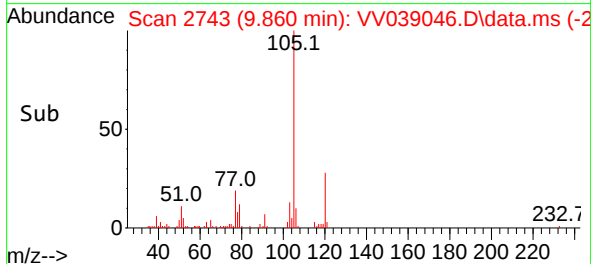
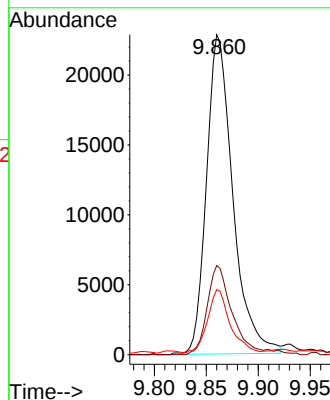
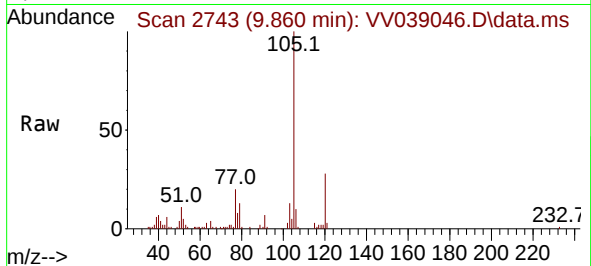




#60
Isopropylbenzene
Concen: 1.608 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

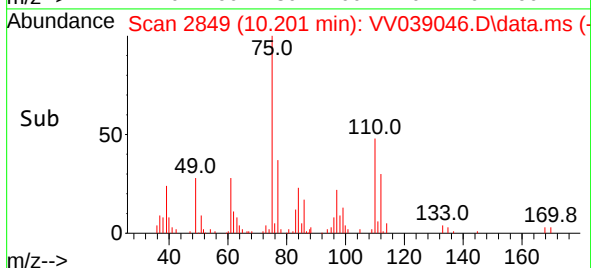
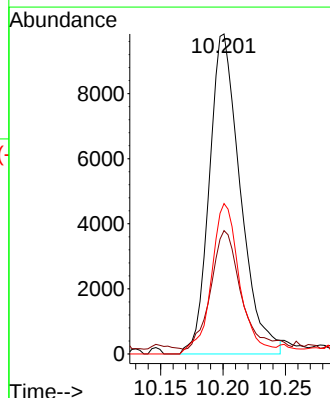
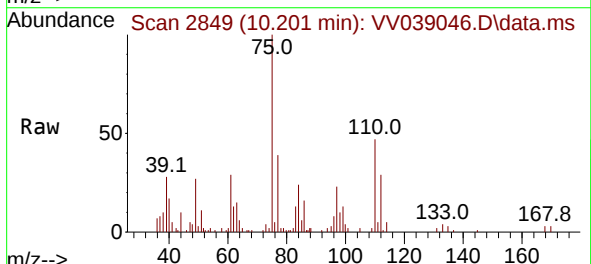
Instrument :
MSVOA_V
ClientSampleId :

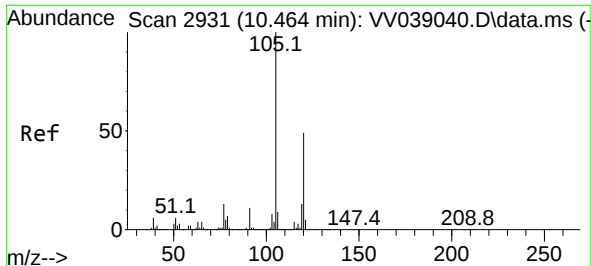
Tgt Ion:105 Resp: 40245
Ion Ratio Lower Upper
105 100
120 25.9 21.0 31.4
77 16.6 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 2.228 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.007 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Tgt Ion: 75 Resp: 17028
Ion Ratio Lower Upper
75 100
77 35.2 25.8 38.6
110 42.9 32.4 48.6





#62

1,3,5-Trimethylbenzene

Concen: 1.545 ug/L

RT: 10.471 min Scan# 2931

Delta R.T. 0.007 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Instrument :

MSVOA_V

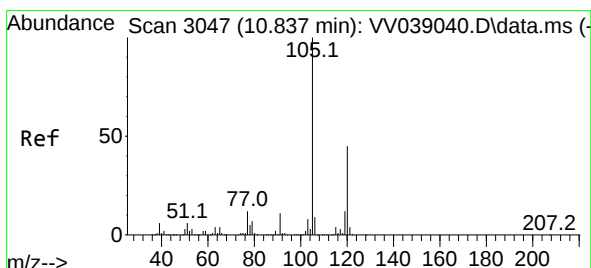
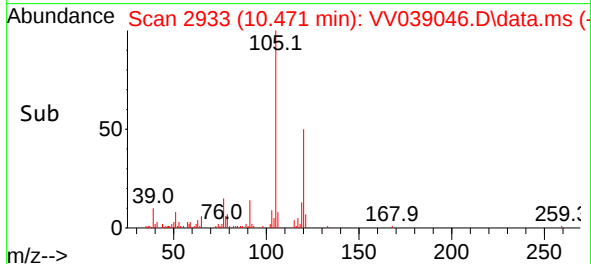
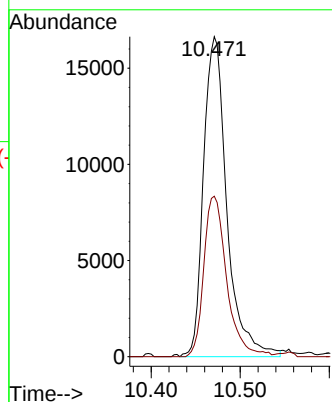
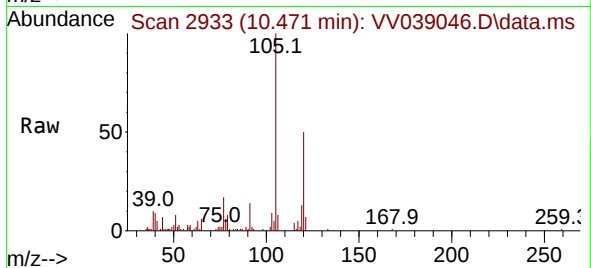
ClientSampleId :

Tgt Ion:105 Resp: 30252

Ion Ratio Lower Upper

105 100

120 48.7 39.2 58.8



#63

1,2,4-Trimethylbenzene

Concen: 1.373 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.010 min

Lab File: VV039046.D

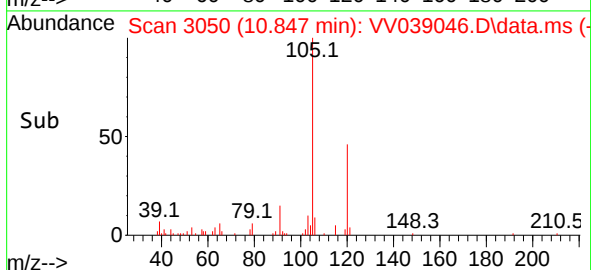
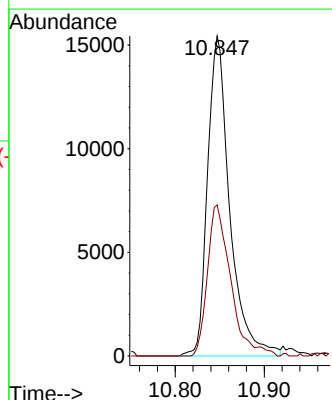
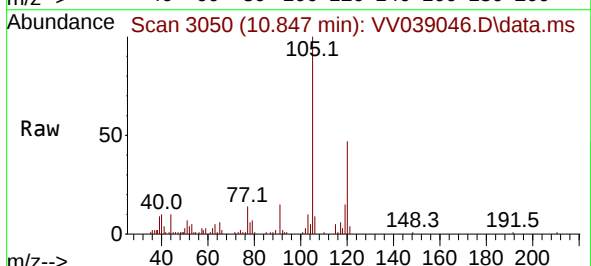
Acq: 11 Sep 2025 15:09

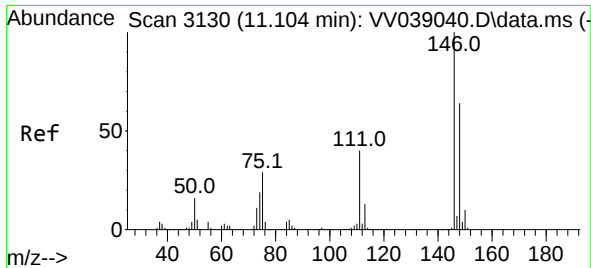
Tgt Ion:105 Resp: 26653

Ion Ratio Lower Upper

105 100

120 47.9 36.1 54.1

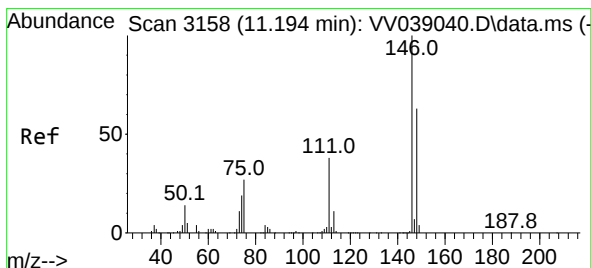
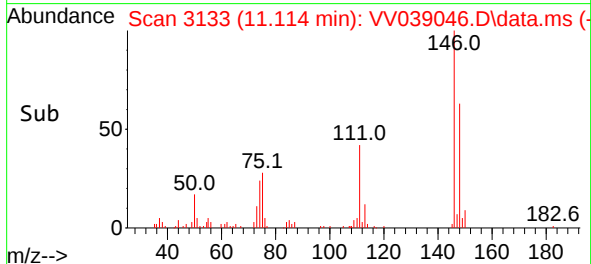
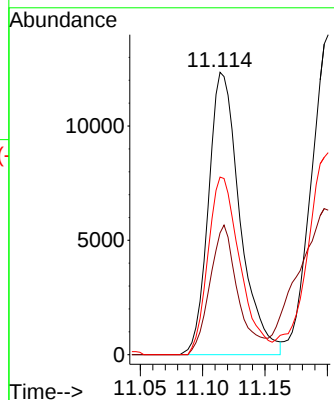
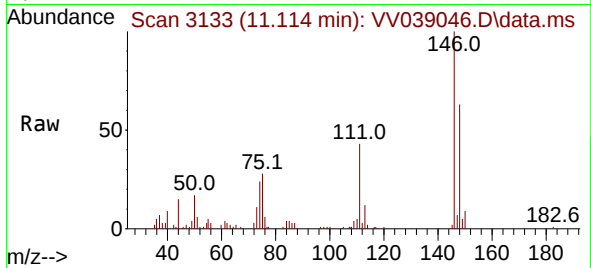




#64
1,3-Dichlorobenzene
Concen: 1.824 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. 0.010 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

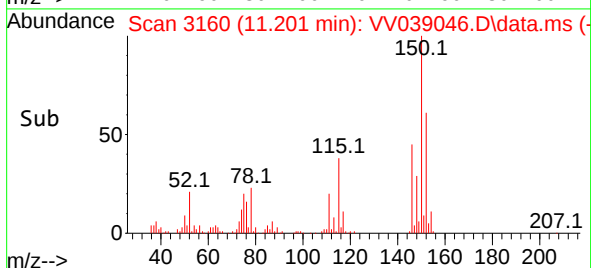
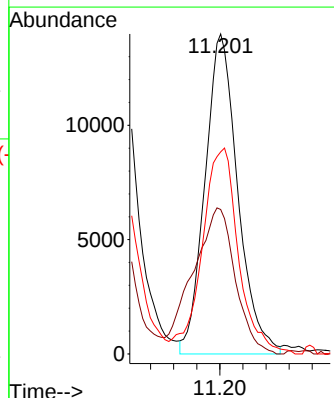
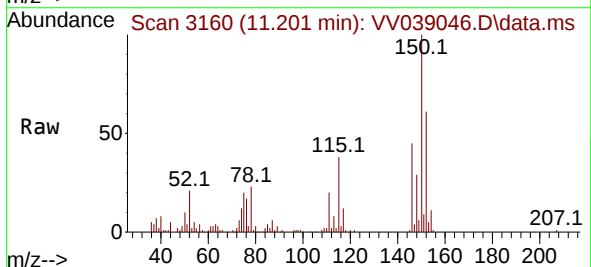
Instrument :
MSVOA_V
ClientSampleId :

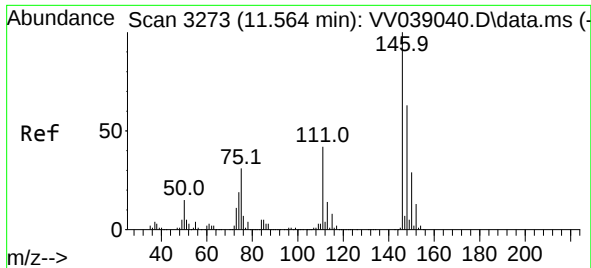
Tgt Ion:146 Resp: 21736
Ion Ratio Lower Upper
146 100
111 43.1 28.3 52.5
148 62.9 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 2.162 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.007 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Tgt Ion:146 Resp: 27580
Ion Ratio Lower Upper
146 100
111 45.2 27.0 50.2
148 63.1 44.0 81.6

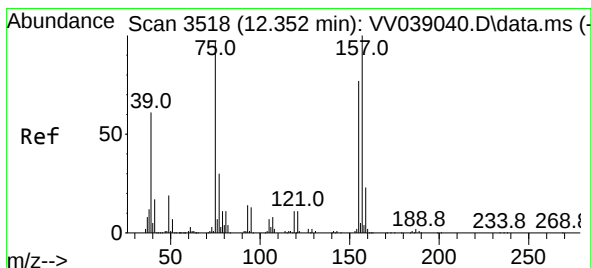
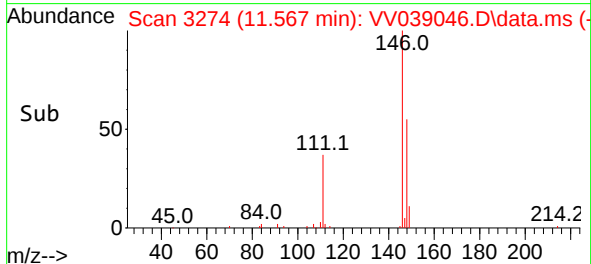
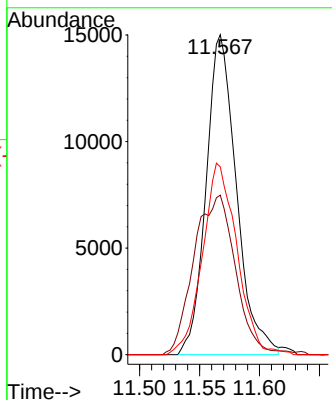
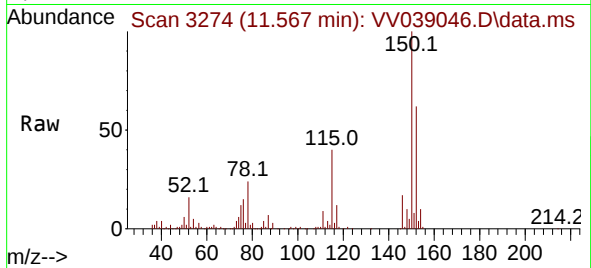




#67
1,2-Dichlorobenzene
Concen: 2.216 ug/L
RT: 11.567 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

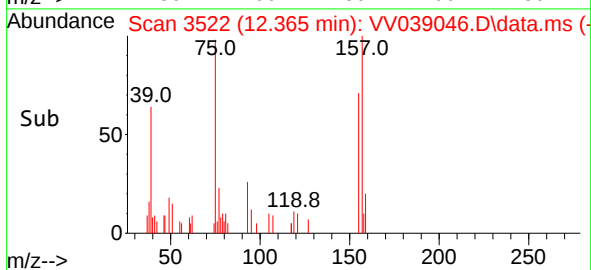
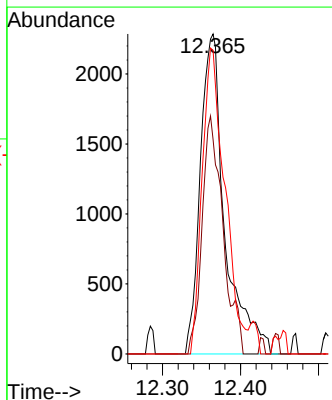
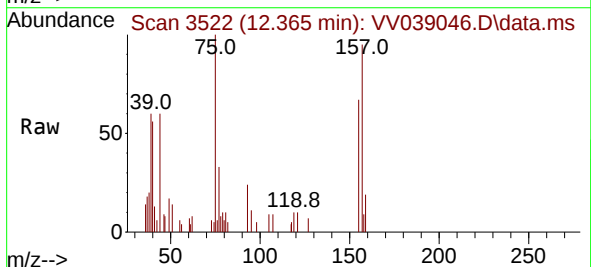
Instrument :
MSVOA_V
ClientSampleId :

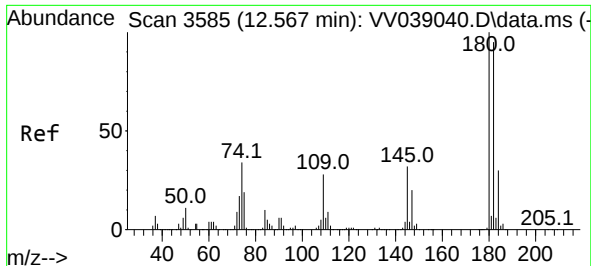
Tgt Ion:146 Resp: 26418
Ion Ratio Lower Upper
146 100
111 49.9 33.4 50.2
148 58.7 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 2.338 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.013 min
Lab File: VV039046.D
Acq: 11 Sep 2025 15:09

Tgt Ion: 75 Resp: 5017
Ion Ratio Lower Upper
75 100
155 67.0 63.7 95.5
157 94.9 82.2 123.2

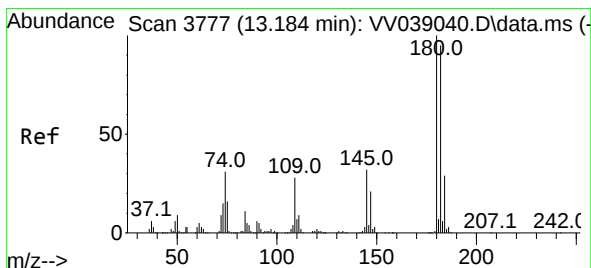
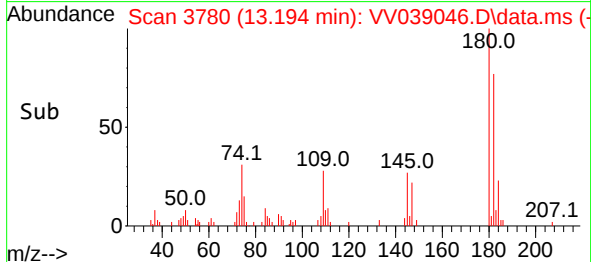
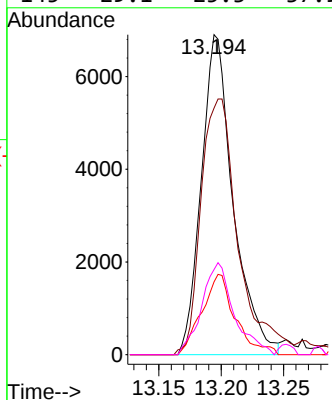
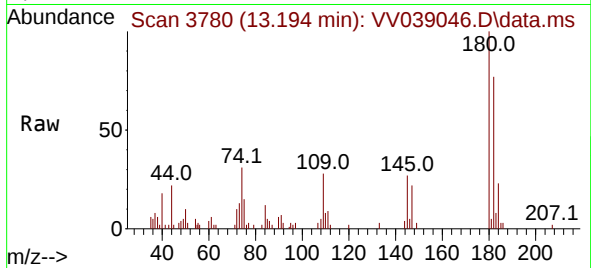




#69
 1,3,5-Trichlorobenzene
 Concen: 1.599 ug/L
 RT: 13.194 min Scan# 3780
 Delta R.T. 0.627 min
 Lab File: VV039046.D
 Acq: 11 Sep 2025 15:09

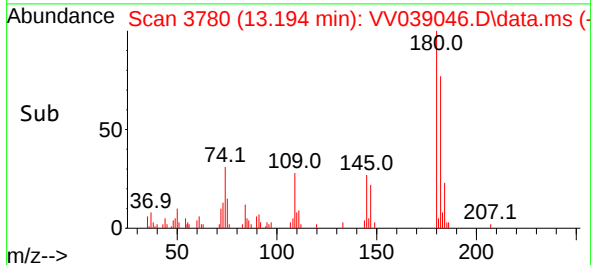
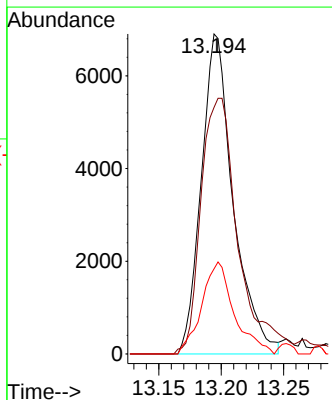
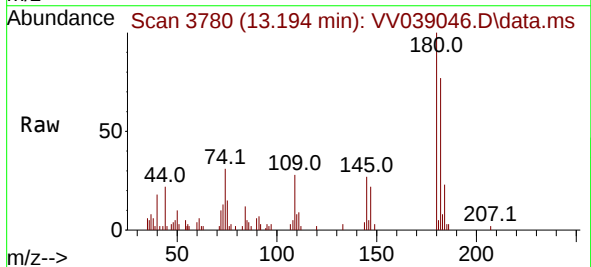
Instrument :
 MSVOA_V
 ClientSampleId :

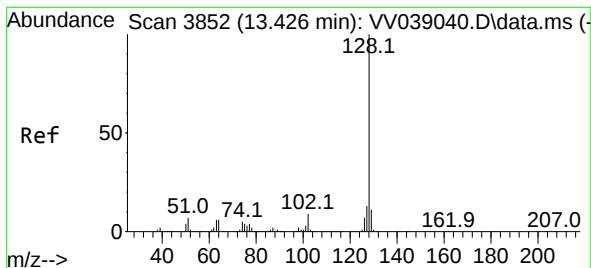
Tgt Ion:	180	Resp:	12301
Ion Ratio	Lower	Upper	
180	100		
182	86.4	75.0	112.4
184	25.5	23.8	35.8
145	29.1	25.3	37.9



#70
 1,2,4-trichlorobenzene
 Concen: 1.839 ug/L
 RT: 13.194 min Scan# 3780
 Delta R.T. 0.010 min
 Lab File: VV039046.D
 Acq: 11 Sep 2025 15:09

Tgt Ion:	180	Resp:	12301
Ion Ratio	Lower	Upper	
180	100		
182	86.4	76.0	114.0
145	29.1	25.8	38.6





#71

Naphthalene

Concen: 1.452 ug/L

RT: 13.435 min Scan# 3910

Delta R.T. 0.010 min

Lab File: VV039046.D

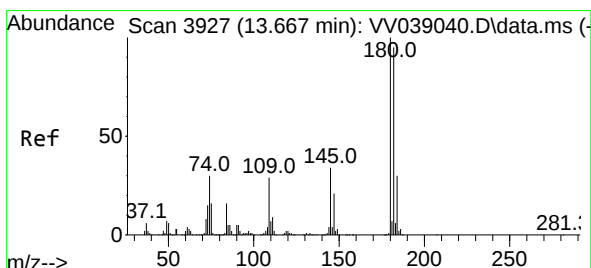
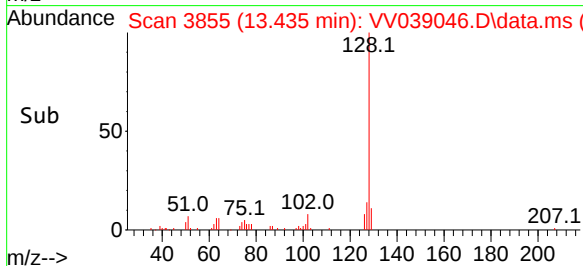
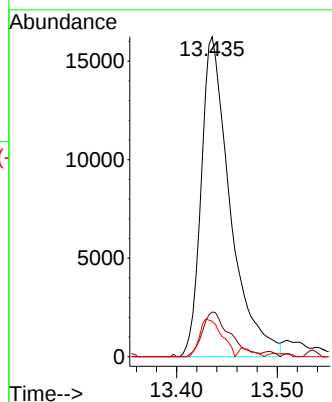
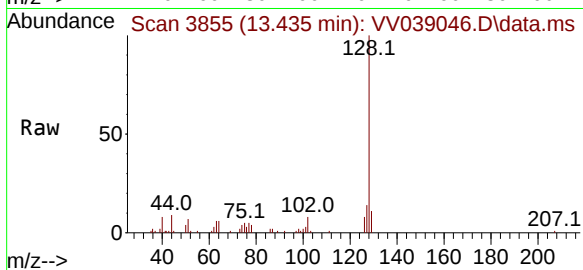
Acq: 11 Sep 2025 15:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	32475
Ion Ratio	Lower	Upper
128	100	
127	13.2	10.3 15.5
129	9.0	8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 1.870 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.010 min

Lab File: VV039046.D

Acq: 11 Sep 2025 15:09

Tgt Ion:180	Resp:	12984
Ion Ratio	Lower	Upper
180	100	
182	86.6	75.9 113.9
145	33.2	27.1 40.7

