Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092925\
Data File : VV039235.D
Acq On : 29 Sep 2025 16:30
Operator : SY/MD
Sample : Q3231-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Sep 30 01:28:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	431521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	765348	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	929145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	397561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	368061	58.933	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 117.860%			
35) Dibromofluoromethane	4.503	113	350916	57.034	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 114.060%			
50) Toluene-d8	7.236	98	976352	54.029	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 108.060%			
62) 4-Bromofluorobenzene	10.001	95	356206	47.882	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 95.760%			
Target Compounds						Qvalue
5) Bromomethane	1.503	94	1060	0.214	ug/l #	69
6) Chloroethane	1.645	64	195	Below Cal	#	72
10) Methyl Iodide	2.211	142	1376	0.214	ug/l #	80
11) Tert butyl alcohol	2.574	59	2248	1.703	ug/l #	83
13) Acrolein	2.018	56	686	2.995	ug/l #	71
16) Acetone	2.124	43	134753	29.212	ug/l	99
18) Methyl Acetate	2.388	43	20014	2.163	ug/l	91
20) Methylene Chloride	2.455	84	53966	6.142	ug/l	87
25) 2-Butanone	3.921	43	4453	0.890	ug/l #	88
31) Cyclohexane	4.593	56	9398	0.844	ug/l #	1
36) 1,1-Dichloropropene	4.596	75	36719	3.947	ug/l #	50
37) Ethyl Acetate	3.947	43	2538	0.225	ug/l #	71
38) Carbon Tetrachloride	4.600	117	45934	4.040	ug/l #	18
41) Methacrylonitrile	4.150	41	107	1.931	ug/l #	19
43) Isopropyl Acetate	5.211	43	29585	1.922	ug/l	97
48) Methyl methacrylate	6.384	41	205406	29.442	ug/l #	40
49) 1,4-Dioxane	6.336	88	118	1.048	ug/l #	25
51) 4-Methyl-2-Pentanone	7.111	43	166764	16.470	ug/l #	48
54) cis-1,3-Dichloropropene	7.111	75	77628	6.773	ug/l #	70
57) 1,3-Dichloropropane	8.120	76	7203	0.580	ug/l #	48
58) 2-Chloroethyl Vinyl ether	6.805	63	21	9.627	ug/l #	47
59) 2-Hexanone	8.117	43	90756	13.327	ug/l #	59
70) Styrene	9.558	104	47	1.563	ug/l #	1
76) 1,2,3-Trichloropropane	10.001	75	176801	19.532	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	176801	46.890	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.284	75	24	Below Cal	#	5

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

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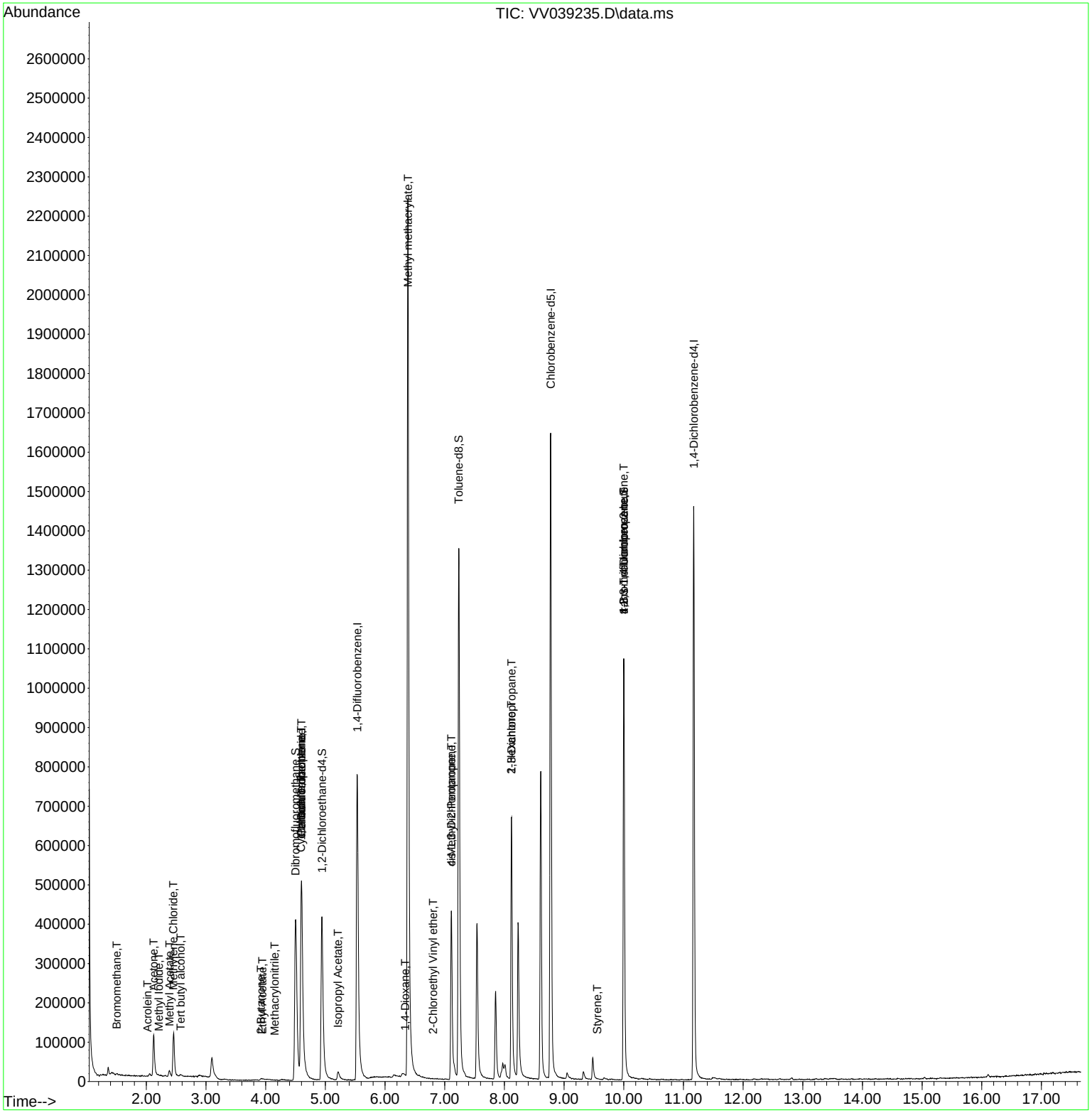
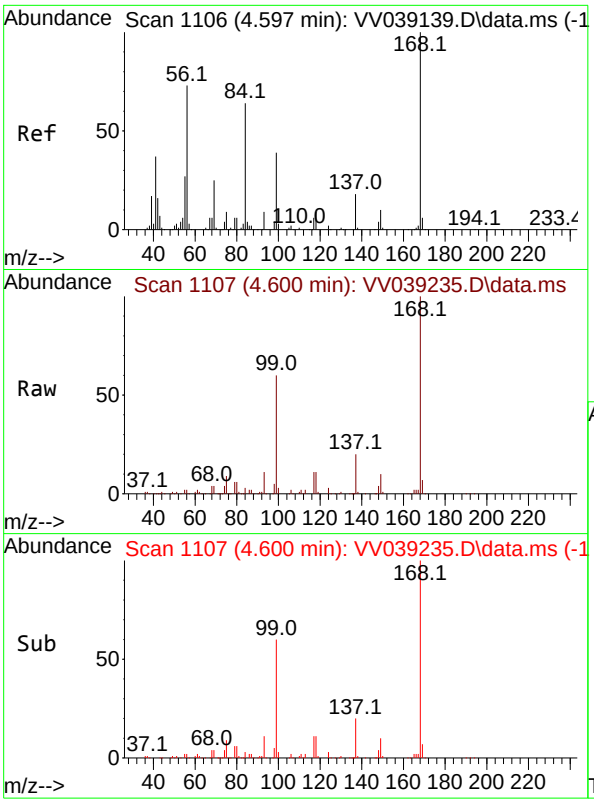


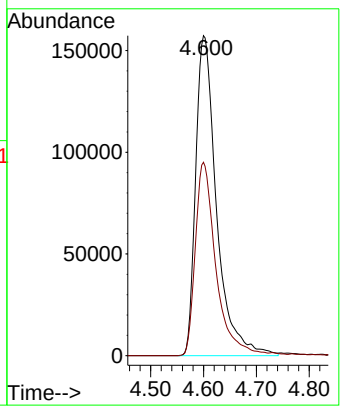


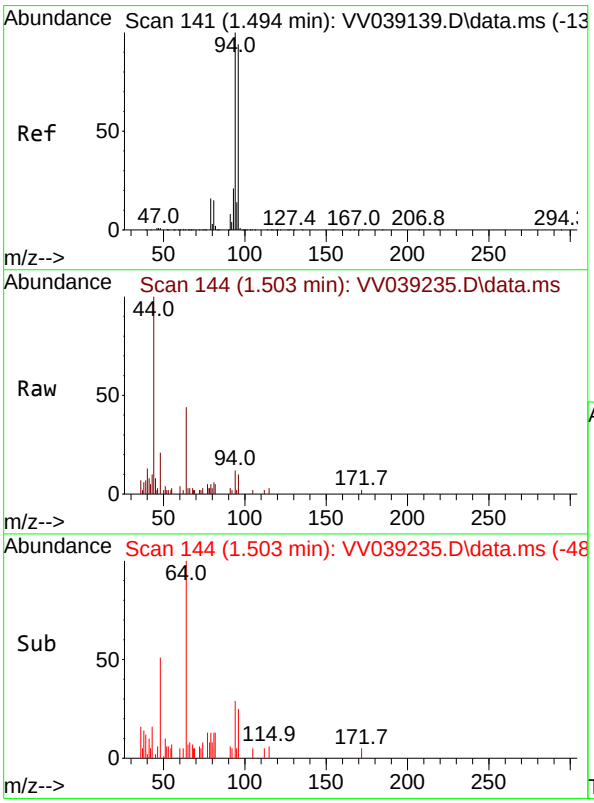
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:168 Resp: 431521

Ion	Ratio	Lower	Upper
168	100		
99	60.4	49.6	74.4

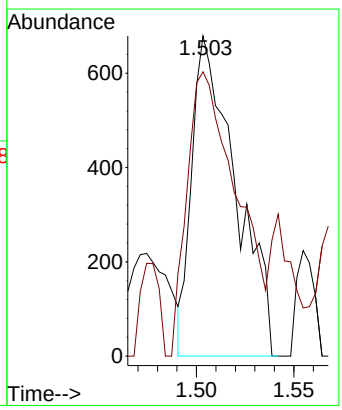


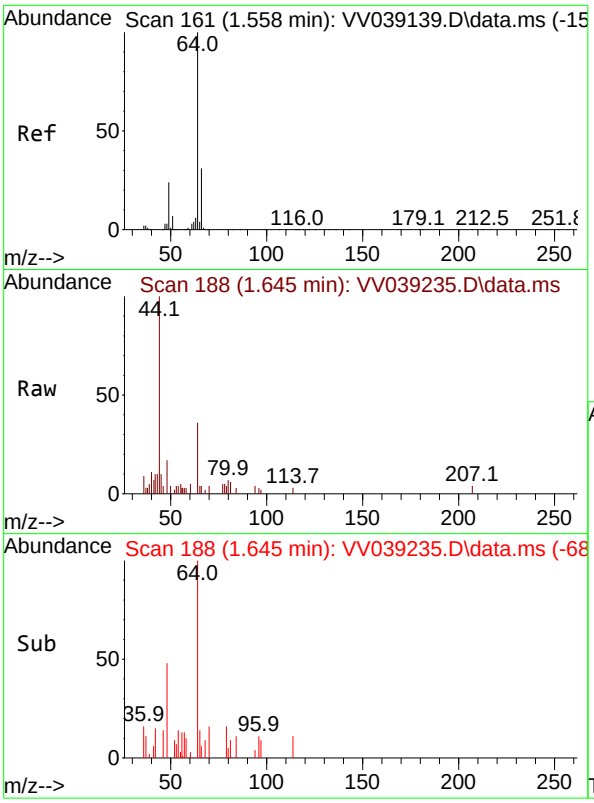


#5
Bromomethane
Concen: 0.214 ug/l
RT: 1.503 min Scan# 144
Delta R.T. 0.009 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 94 Resp: 1060

Ion	Ratio	Lower	Upper
94	100		
96	63.3	74.9	112.3#



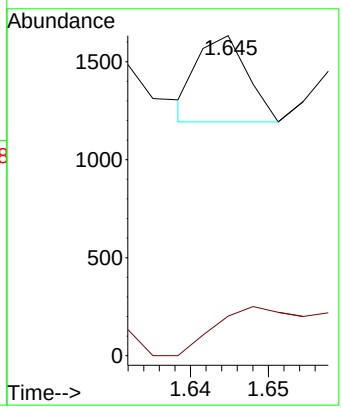


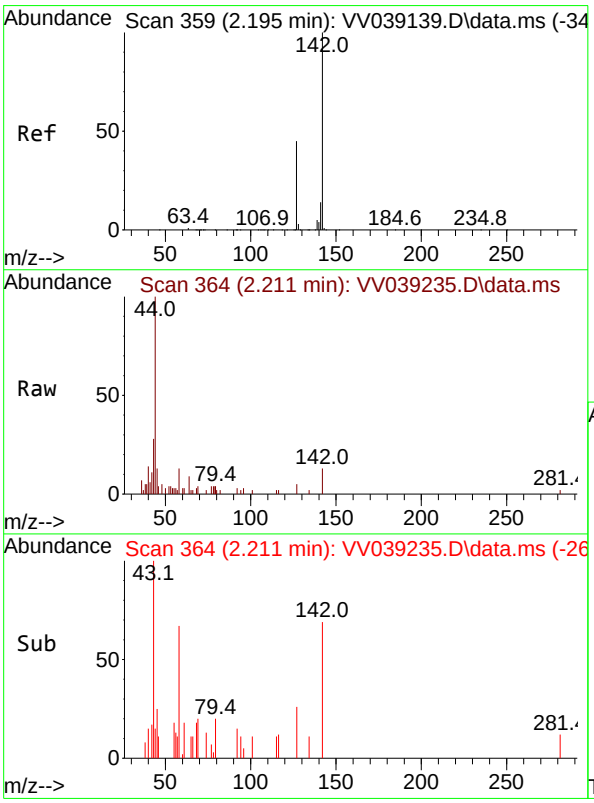
#6
Chloroethane
Concen: Below Cal
RT: 1.645 min Scan# 1
Delta R.T. 0.087 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 64 Resp: 195

Ion	Ratio	Lower	Upper
64	100		
66	45.9	24.6	36.8#

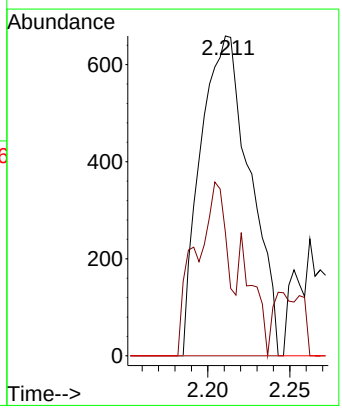


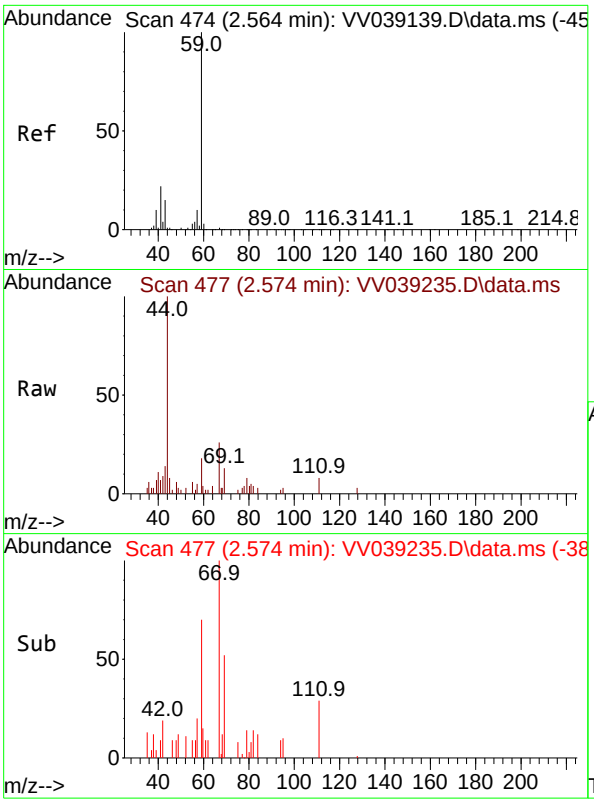


#10
Methyl Iodide
Concen: 0.214 ug/l
RT: 2.211 min Scan# 364
Delta R.T. 0.016 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion:142 Resp: 1376

Ion	Ratio	Lower	Upper
142	100		
127	35.4	36.3	54.5#
141	0.0	11.2	16.8#



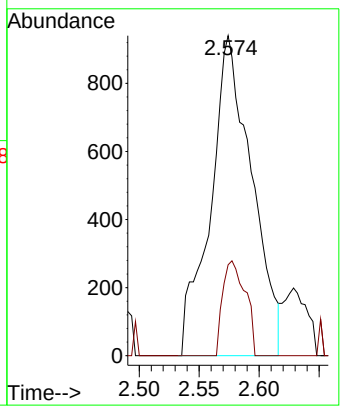


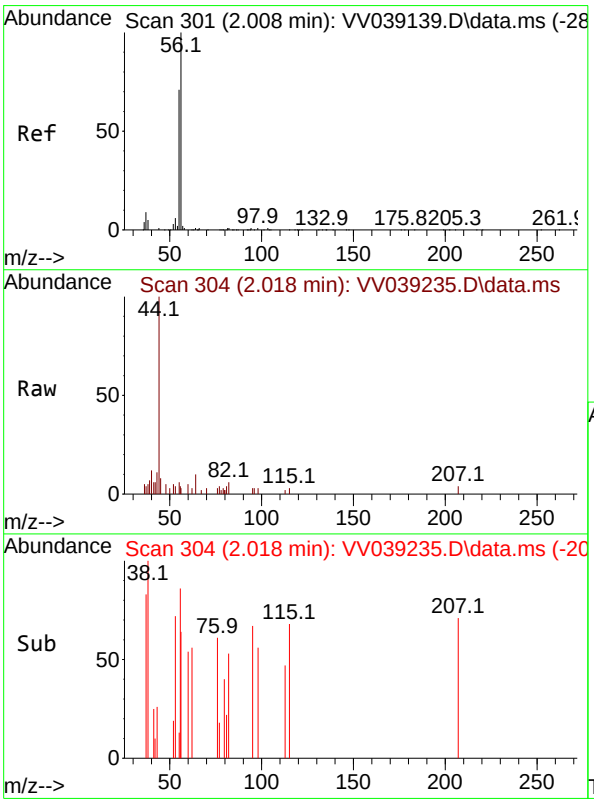
#11
Tert butyl alcohol
Concen: 1.703 ug/l
RT: 2.574 min Scan# 4
Delta R.T. 0.010 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 59 Resp: 2248

Ion	Ratio	Lower	Upper
59	100		
57	16.2	7.8	11.8#

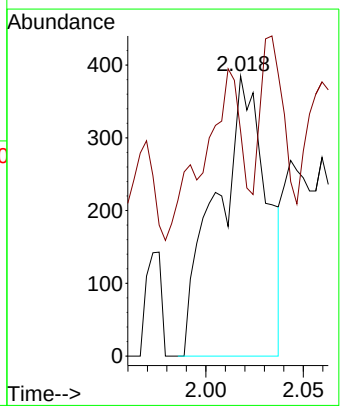


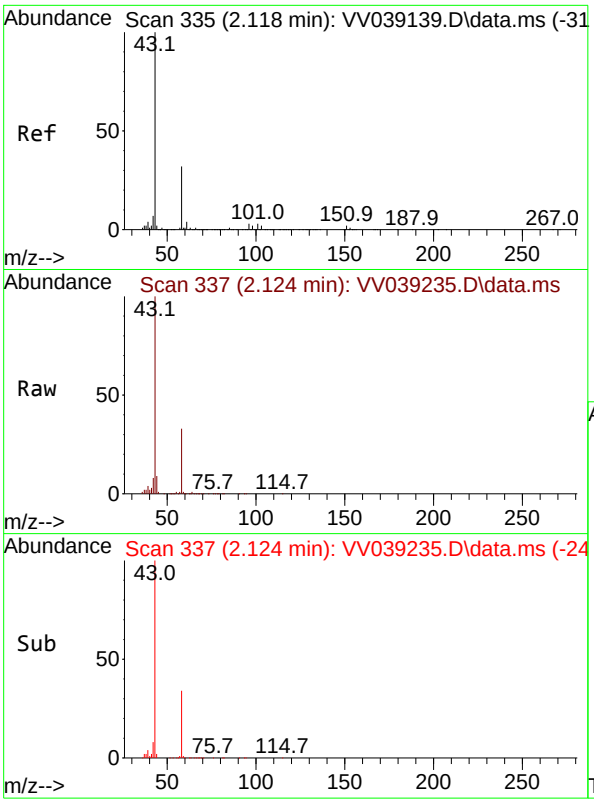


#13
Acrolein
Concen: 2.995 ug/l
RT: 2.018 min Scan# 304
Delta R.T. 0.010 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 56 Resp: 686

Ion	Ratio	Lower	Upper
56	100		
55	46.5	56.2	84.4#



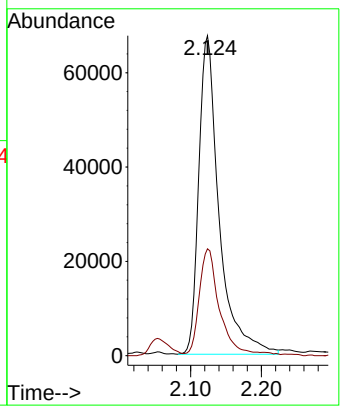


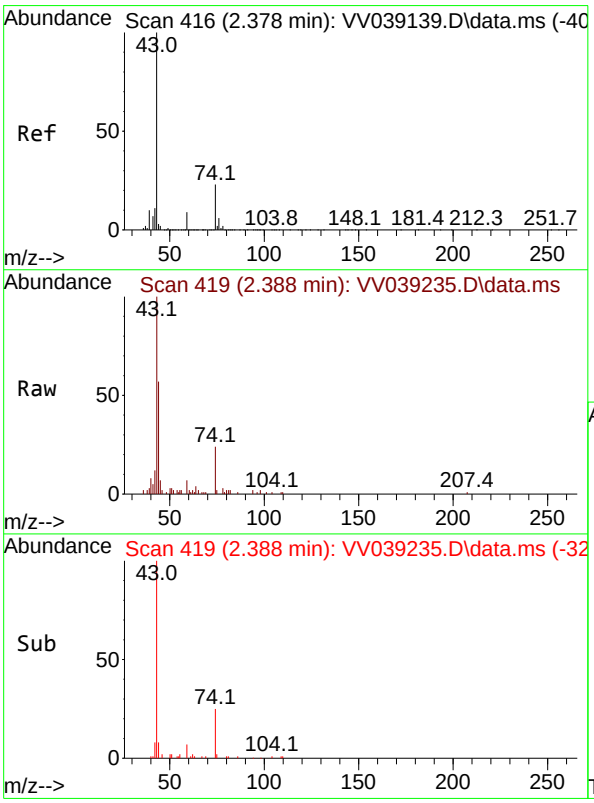
#16
Acetone
Concen: 29.212 ug/l
RT: 2.124 min Scan# 3
Delta R.T. 0.006 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 134753

Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.8	38.6

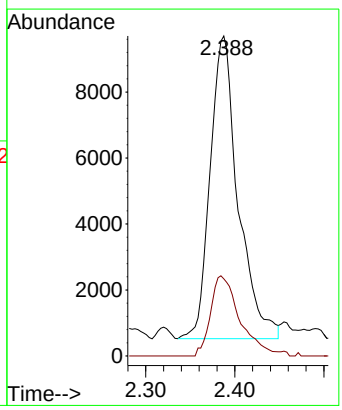


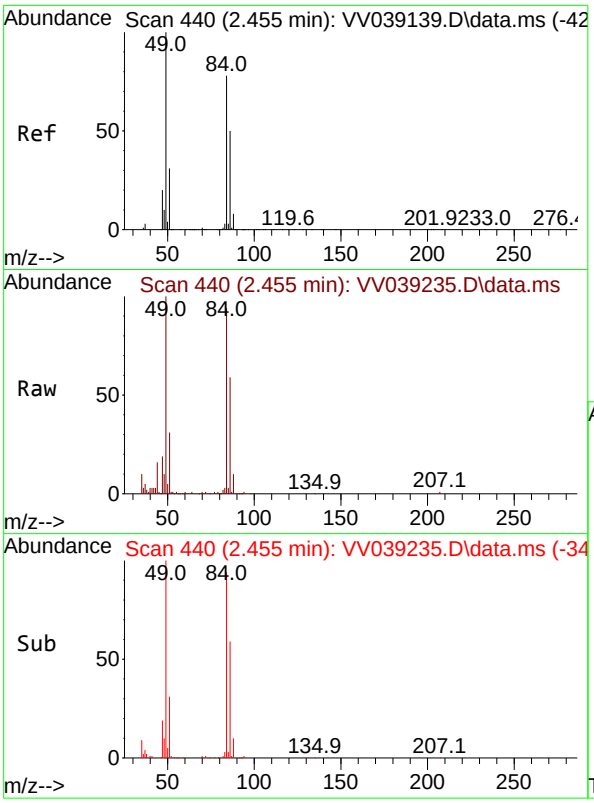


#18
Methyl Acetate
Concen: 2.163 ug/l
RT: 2.388 min Scan# 419
Delta R.T. 0.010 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 43 Resp: 20014

Ion	Ratio	Lower	Upper
43	100		
74	27.6	18.6	27.8



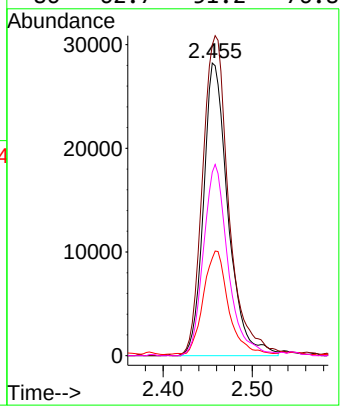


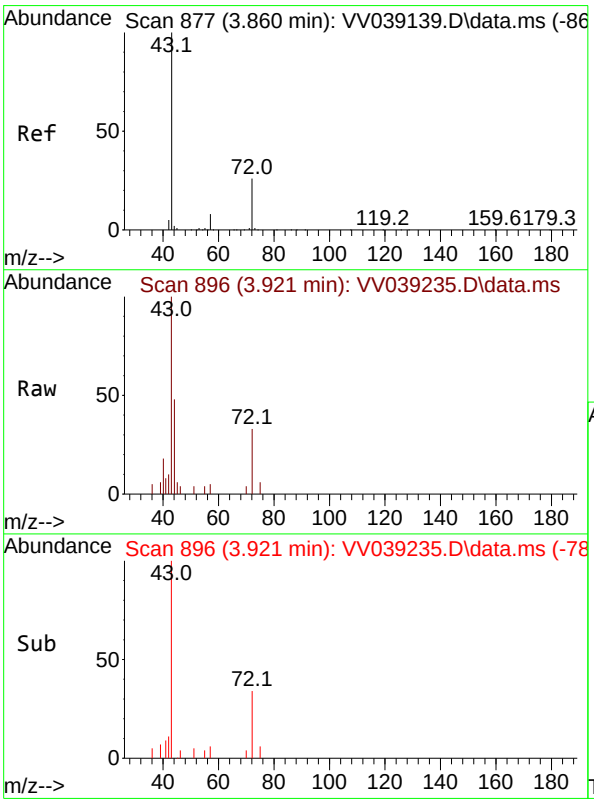
#20
Methylene Chloride
Concen: 6.142 ug/l
RT: 2.455 min Scan# 44
Delta R.T. 0.000 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 84 Resp: 53966

Ion	Ratio	Lower	Upper
84	100		
49	106.1	102.8	154.2
51	32.5	31.9	47.9
86	62.7	51.2	76.8

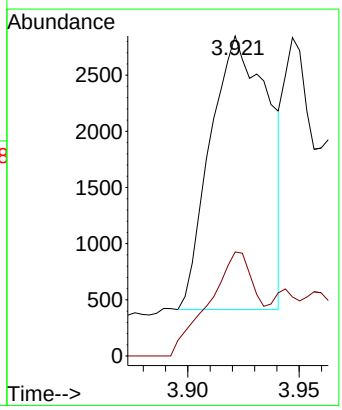


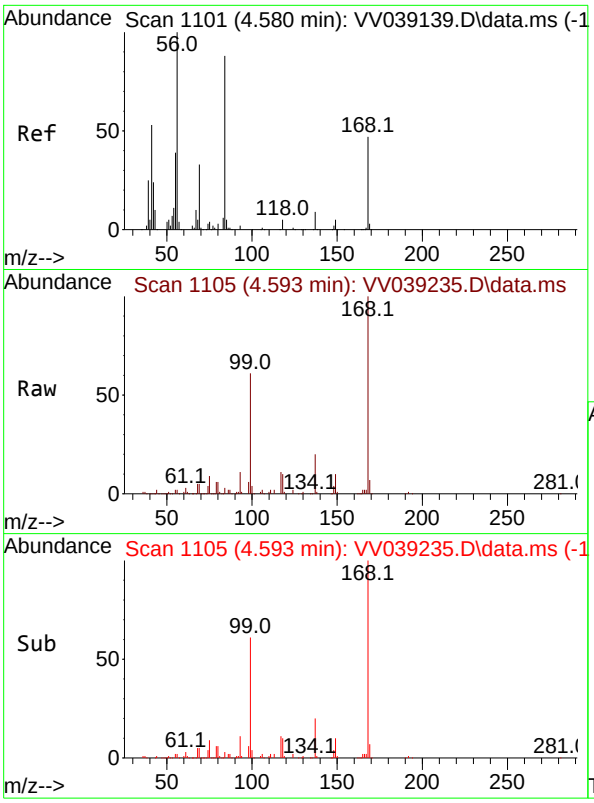


#25
2-Butanone
Concen: 0.890 ug/l
RT: 3.921 min Scan# 896
Delta R.T. 0.061 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 43 Resp: 4453

Ion	Ratio	Lower	Upper
43	100		
72	32.4	21.0	31.6#



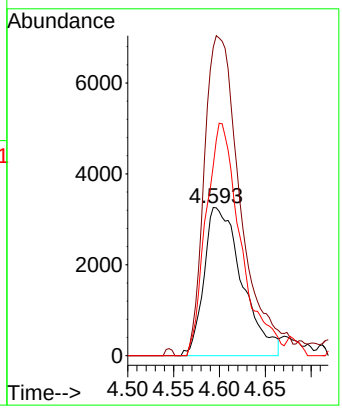


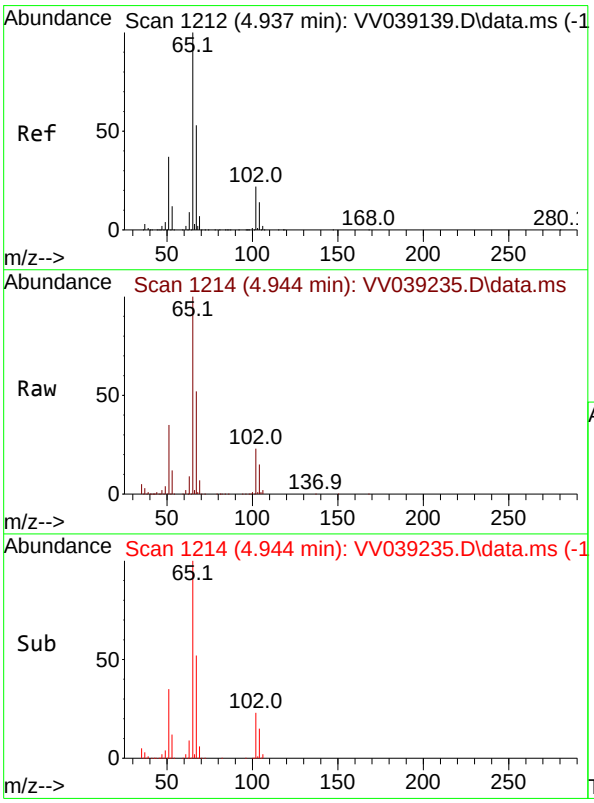
#31
Cyclohexane
Concen: 0.844 ug/l
RT: 4.593 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 56 Resp: 9398

Ion	Ratio	Lower	Upper
56	100		
69	208.0	26.2	39.2#
84	128.2	70.3	105.5#

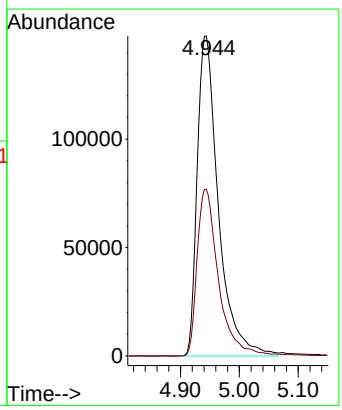


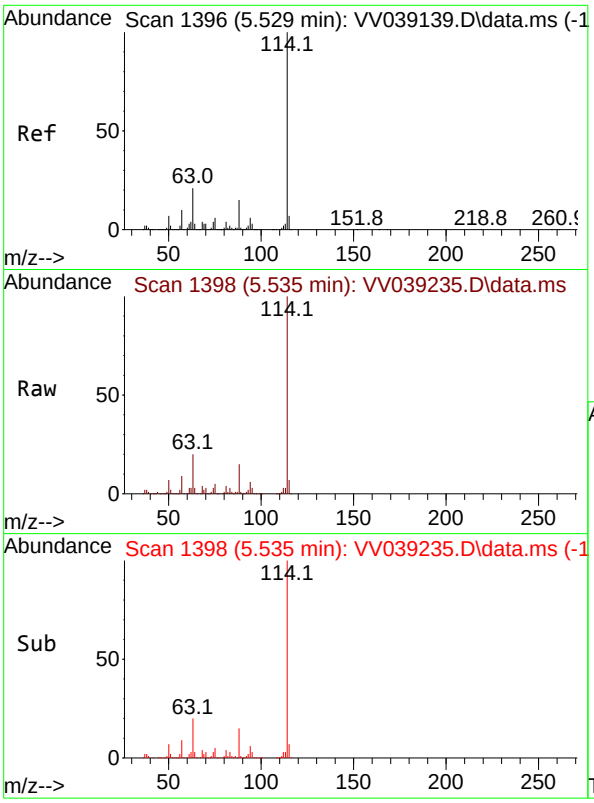


#33
1,2-Dichloroethane-d4
Concen: 58.933 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 65 Resp: 368061

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	107.0



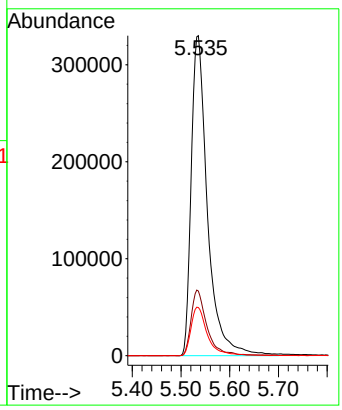


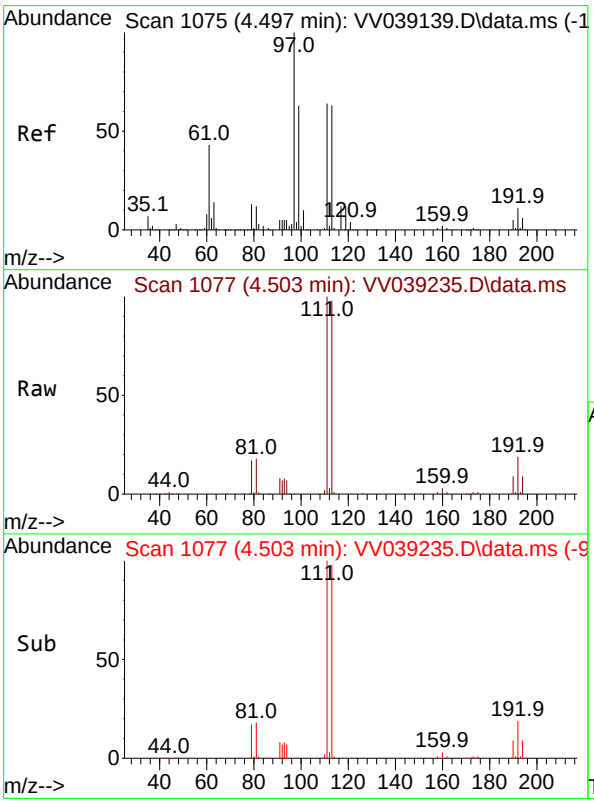
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:114 Resp: 765348

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.6
88	15.0	0.0	30.8

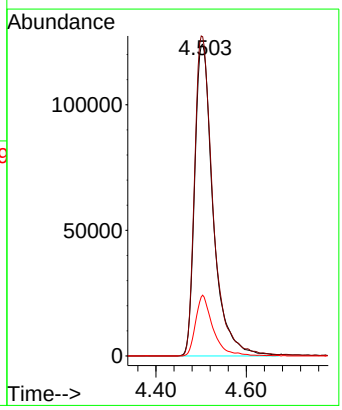


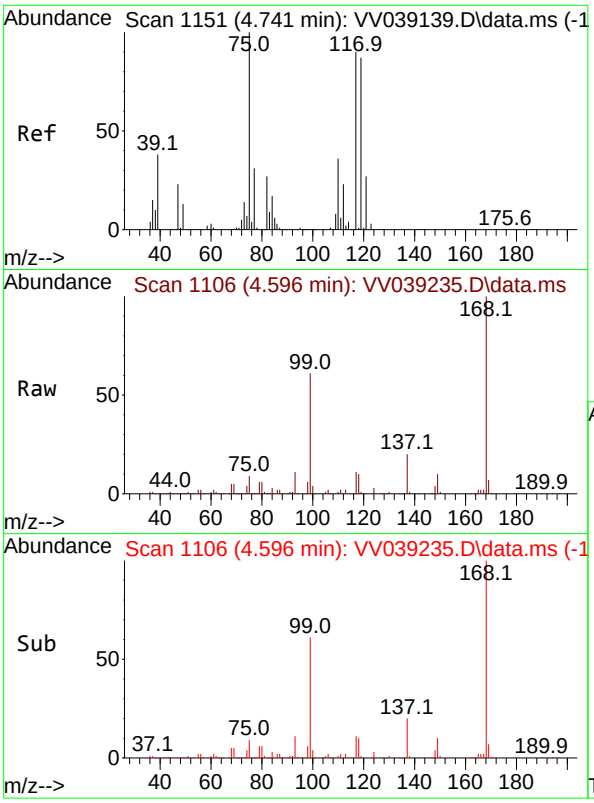


#35
Dibromofluoromethane
Concen: 57.034 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion:113 Resp: 350916

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	18.3	13.8	20.8



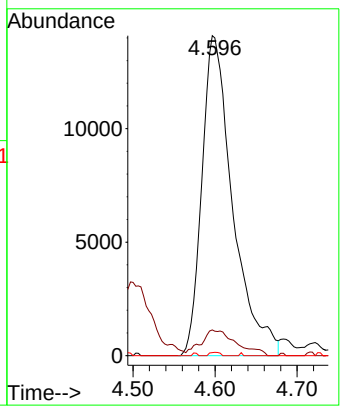


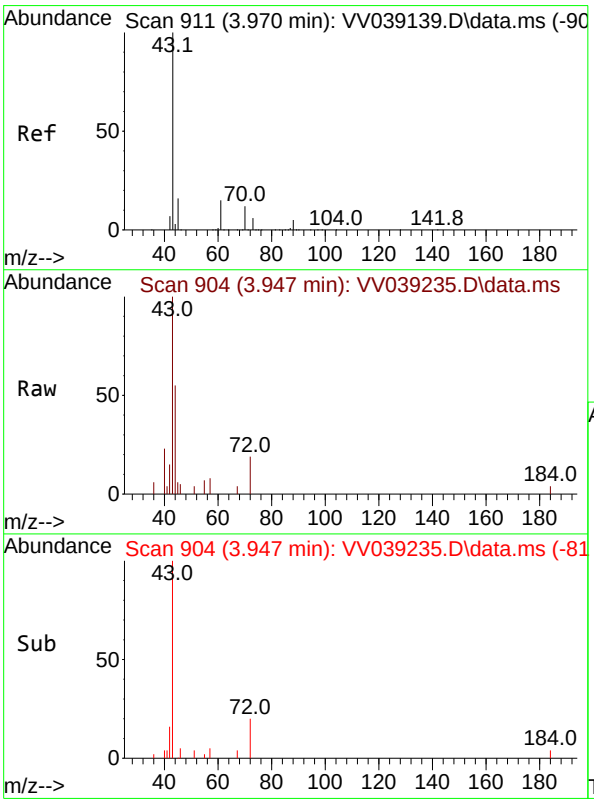
#36
1,1-Dichloropropene
Concen: 3.947 ug/l
RT: 4.596 min Scan# 1
Delta R.T. -0.145 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 36719

Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.1#
77	0.3	24.8	37.2#

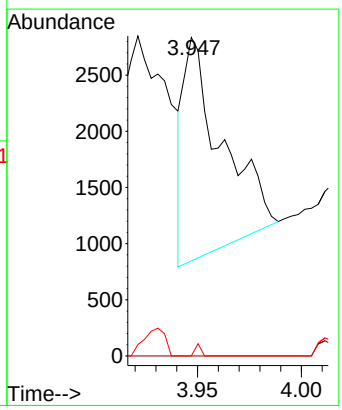


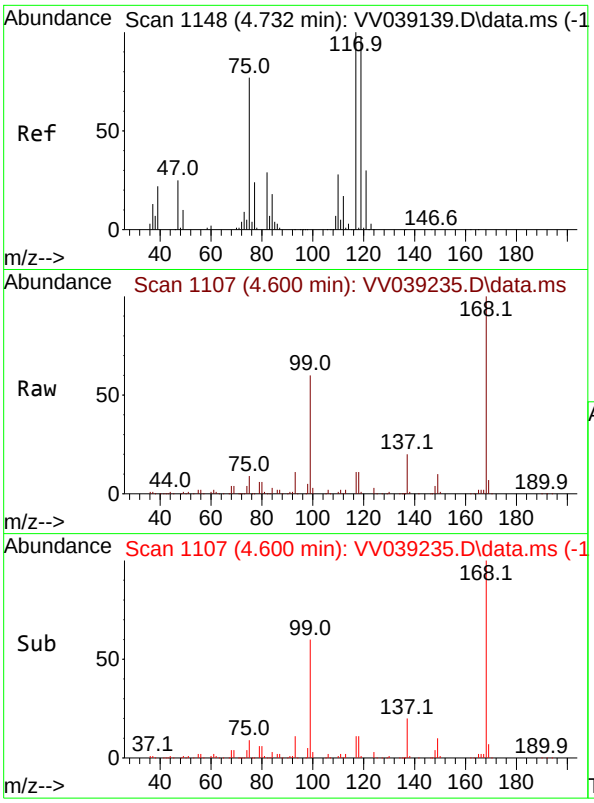


#37
Ethyl Acetate
Concen: 0.225 ug/l
RT: 3.947 min Scan# 904
Delta R.T. -0.023 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 43 Resp: 2538

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.3	15.5#
70	0.8	8.0	12.0#



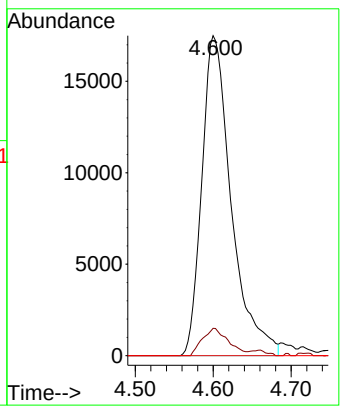


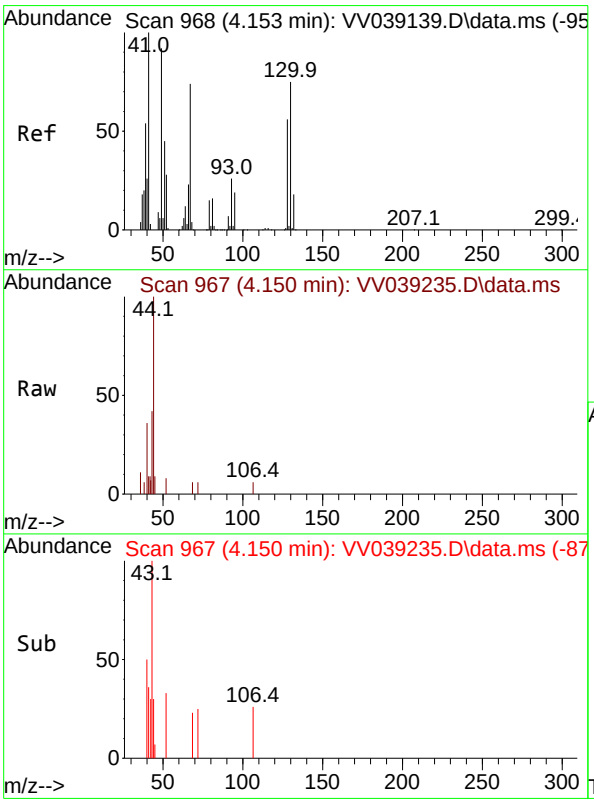
#38
Carbon Tetrachloride
Concen: 4.040 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.132 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:117 Resp: 45934

Ion	Ratio	Lower	Upper
117	100		
119	8.6	77.2	115.8#
121	0.0	24.2	36.2#

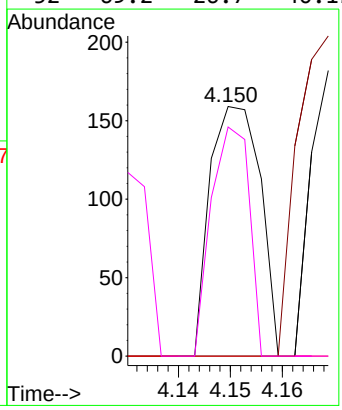


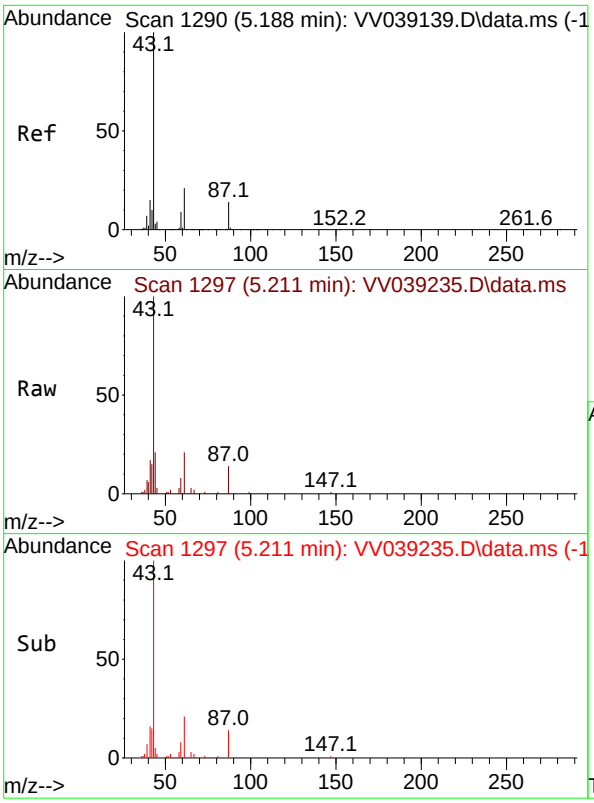


#41
Methacrylonitrile
Concen: 1.931 ug/l
RT: 4.150 min Scan# 967
Delta R.T. -0.003 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 41 Resp: 107

Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.2	63.2#
67	0.0	67.9	101.9#
52	69.2	26.7	40.1#



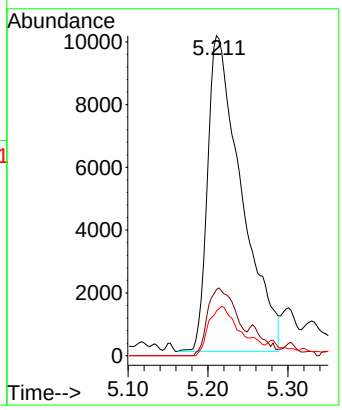


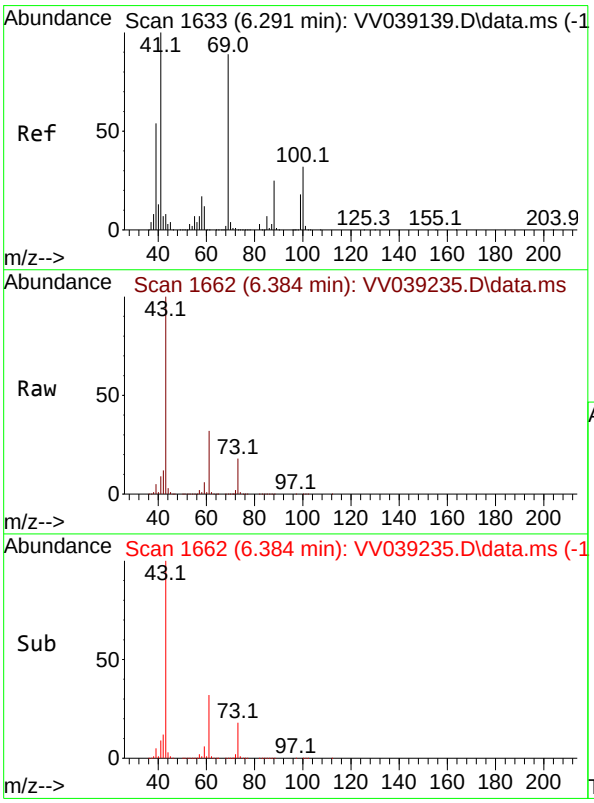
#43
Isopropyl Acetate
Concen: 1.922 ug/l
RT: 5.211 min Scan# 1
Delta R.T. 0.022 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 29585

Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.9	23.9
87	14.9	11.0	16.6

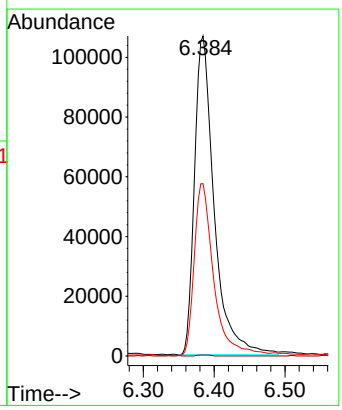


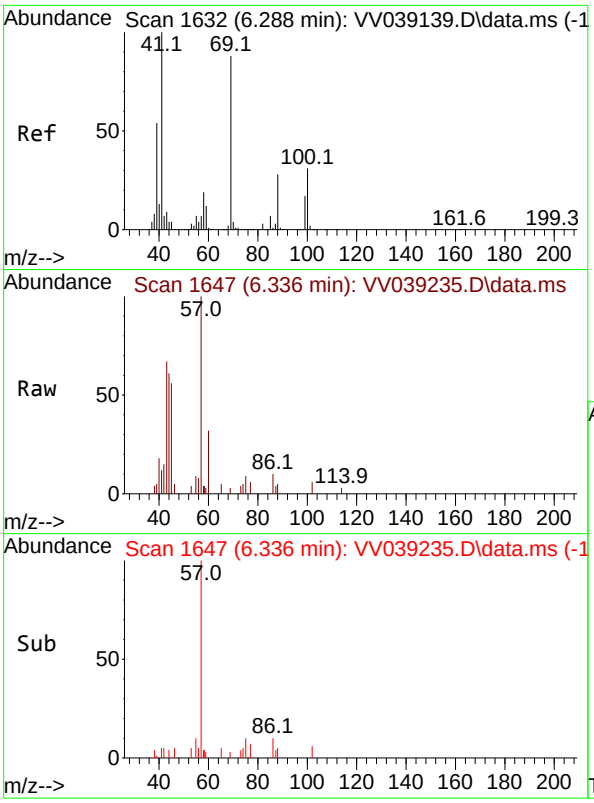


#48
Methyl methacrylate
Concen: 29.442 ug/l
RT: 6.384 min Scan# 1662
Delta R.T. 0.093 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 41 Resp: 205406

Ion	Ratio	Lower	Upper
41	100		
69	0.2	72.4	108.6#
39	53.2	42.5	63.7



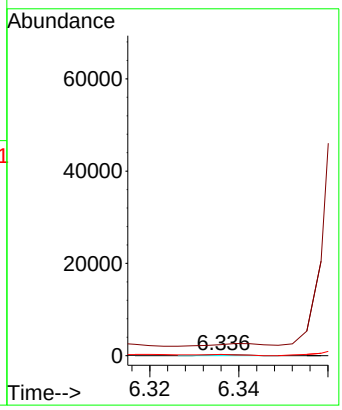


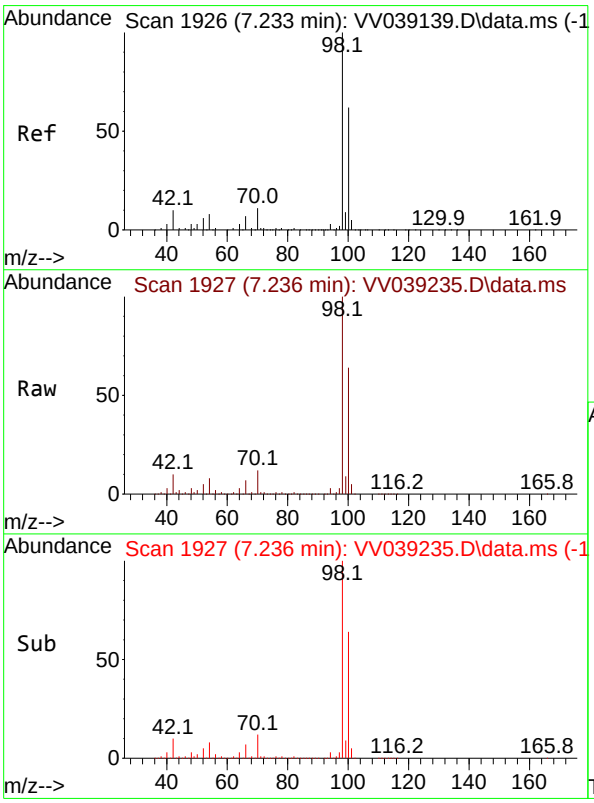
#49
1,4-Dioxane
Concen: 1.048 ug/l
RT: 6.336 min Scan# 1
Delta R.T. 0.048 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 88 Resp: 118

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.1	37.7#
58	0.0	53.6	80.4#

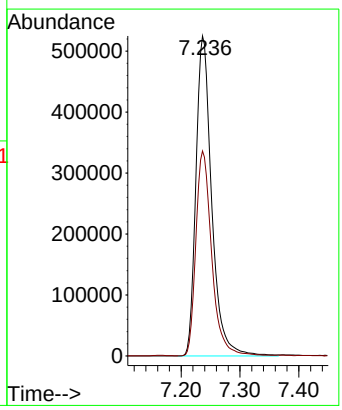


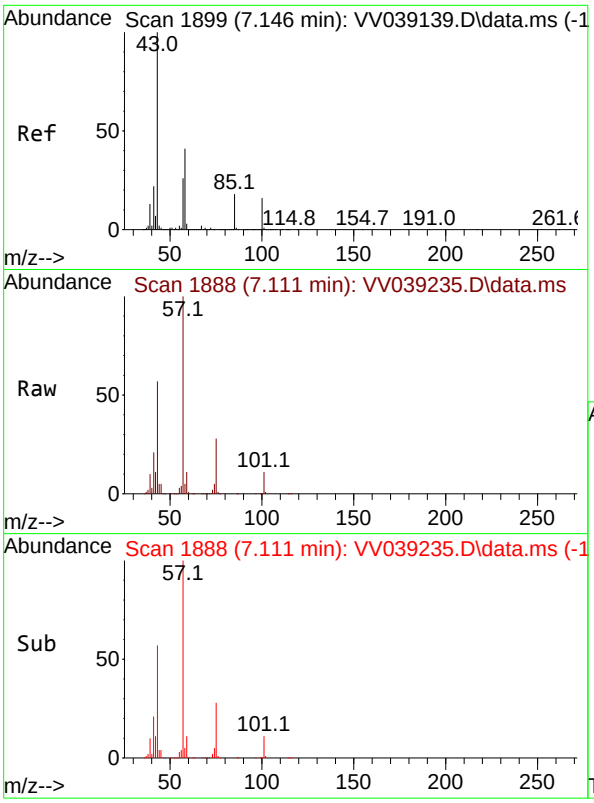


#50
Toluene-d8
Concen: 54.029 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.003 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 98 Resp: 976352

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2



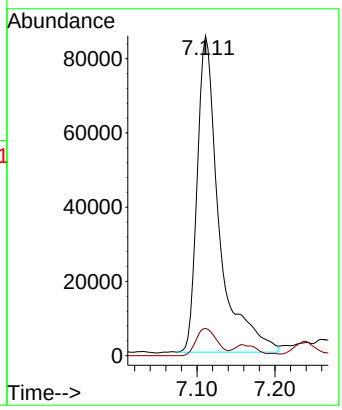


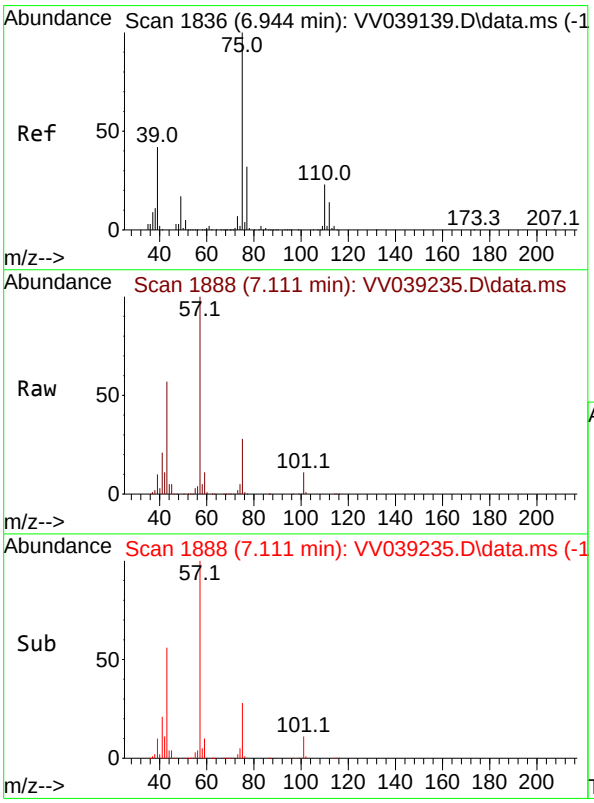
#51
4-Methyl-2-Pentanone
Concen: 16.470 ug/l
RT: 7.111 min Scan# 1
Delta R.T. -0.035 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 166764

Ion	Ratio	Lower	Upper
43	100		
58	8.1	32.3	48.5#

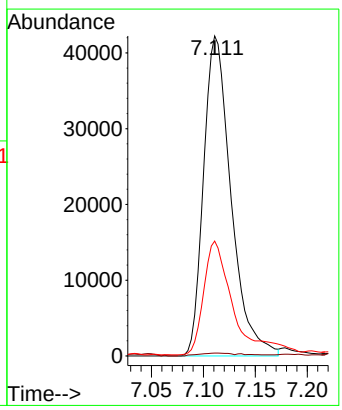


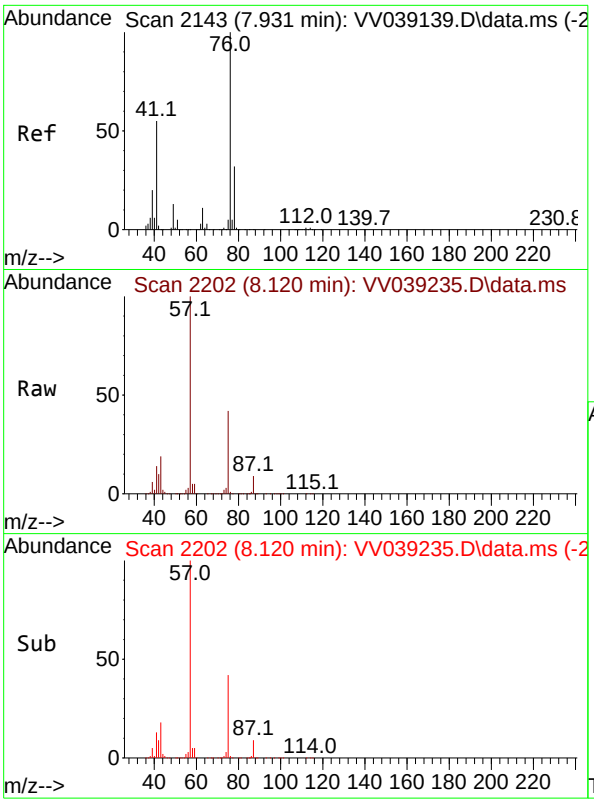


#54
cis-1,3-Dichloropropene
Concen: 6.773 ug/l
RT: 7.111 min Scan# 1888
Delta R.T. 0.167 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 75 Resp: 77628

Ion	Ratio	Lower	Upper
75	100		
77	0.9	25.5	38.3#
39	35.6	33.8	50.6



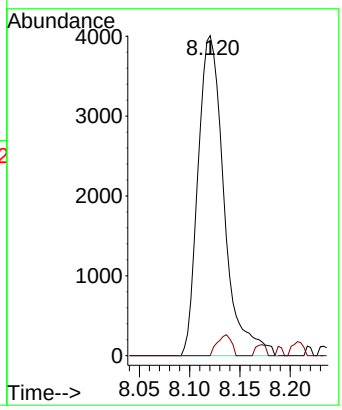


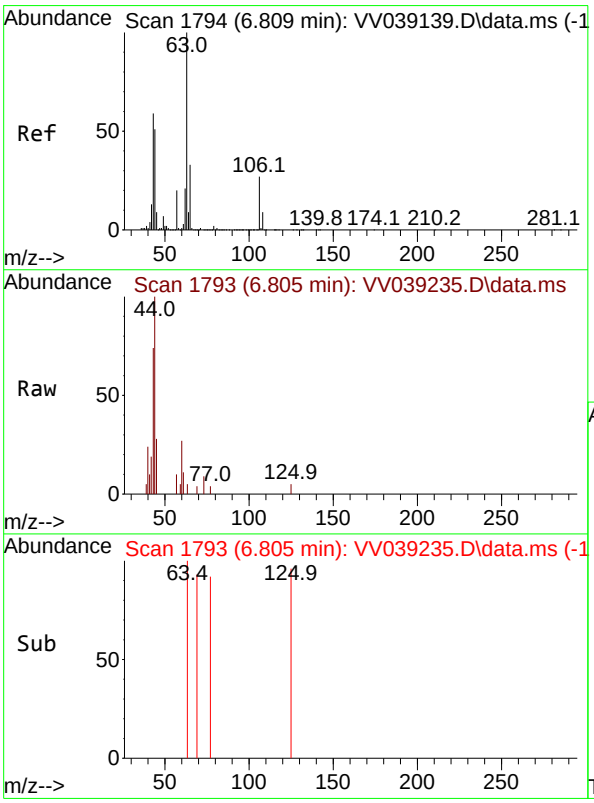
#57
1,3-Dichloropropane
Concen: 0.580 ug/l
RT: 8.120 min Scan# 2
Delta R.T. 0.189 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 76 Resp: 7203

Ion	Ratio	Lower	Upper
76	100		
78	3.5	26.1	39.1#

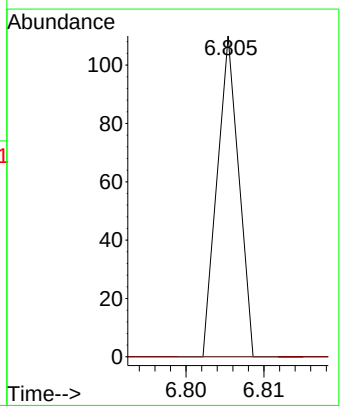


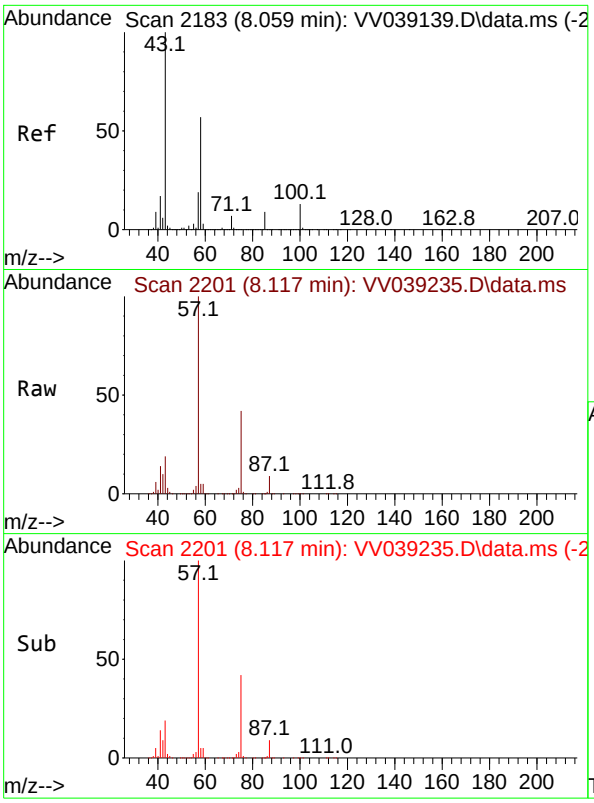


#58
2-Chloroethyl Vinyl ether
Concen: 9.627 ug/l
RT: 6.805 min Scan# 1793
Delta R.T. -0.004 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 63 Resp: 21

Ion	Ratio	Lower	Upper
63	100		
106	0.0	22.1	33.1#



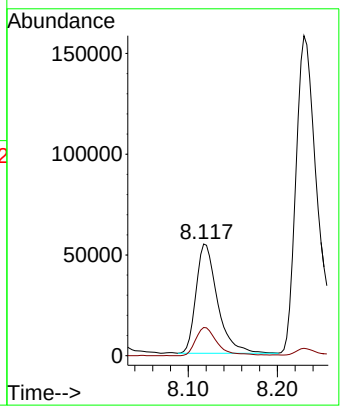


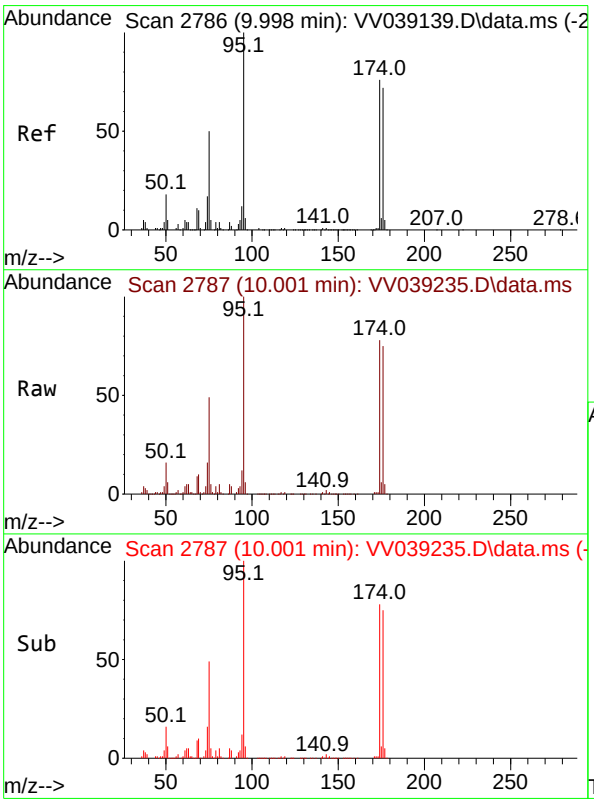
#59
2-Hexanone
Concen: 13.327 ug/l
RT: 8.117 min Scan# 2
Delta R.T. 0.058 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
58	26.5	28.3	85.0#

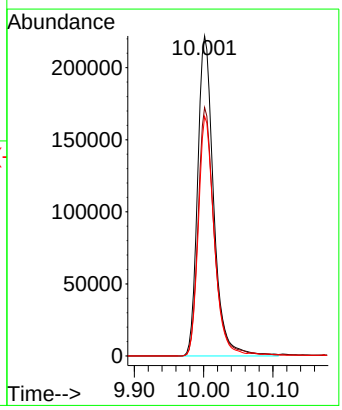


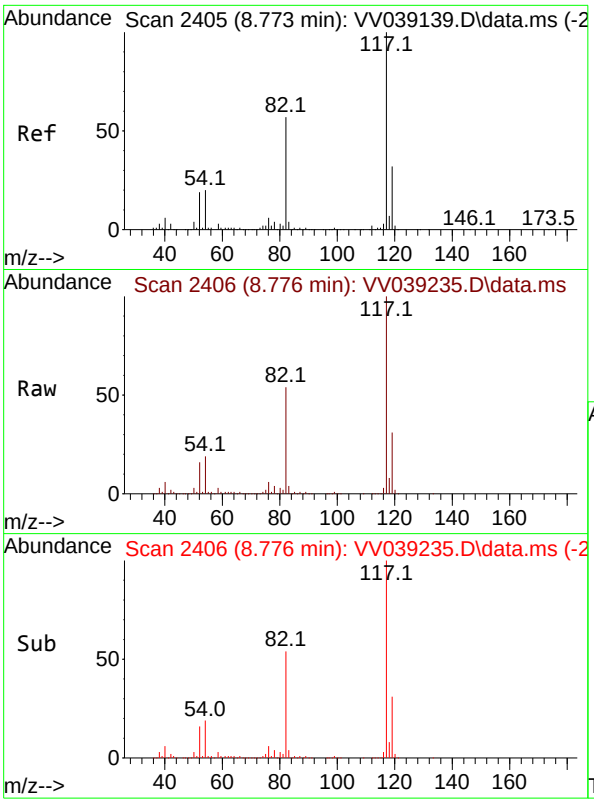


#62
4-Bromofluorobenzene
Concen: 47.882 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 95 Resp: 356206

Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	150.4
176	73.8	0.0	144.2



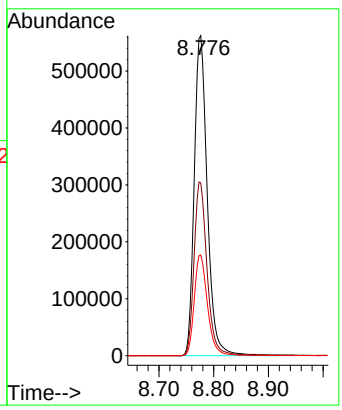


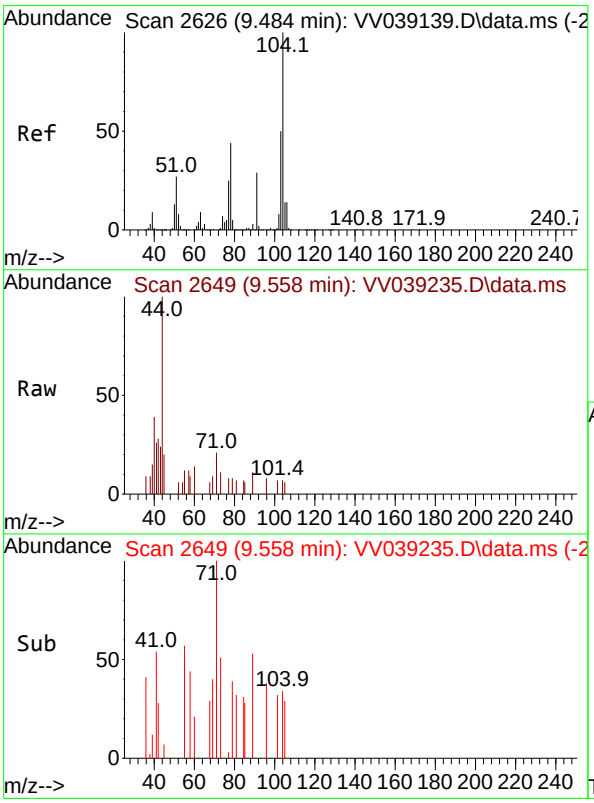
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.003 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:117 Resp: 929145

Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.4	68.2
119	31.4	25.6	38.4

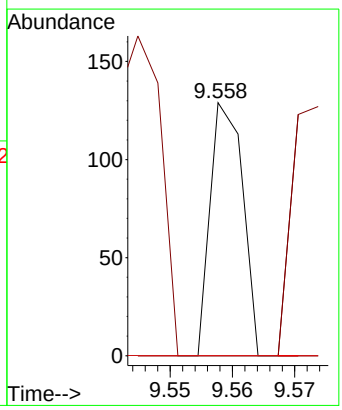


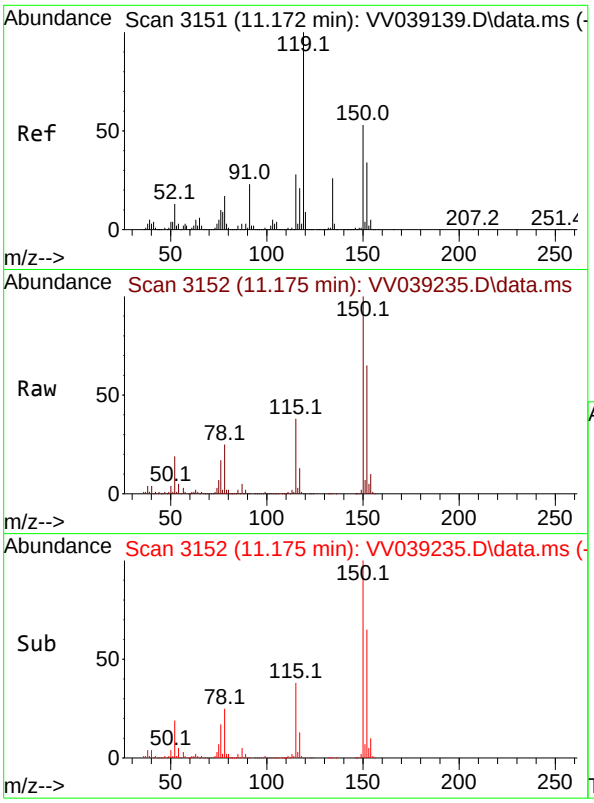


#70
Styrene
Concen: 1.563 ug/l
RT: 9.558 min Scan# 2649
Delta R.T. 0.074 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion:104 Resp: 47

Ion	Ratio	Lower	Upper
104	100		
78	178.7	39.8	59.6#
103	0.0	43.4	65.2#



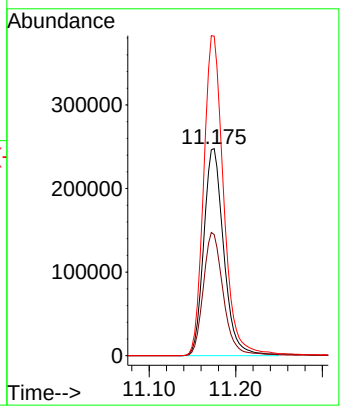


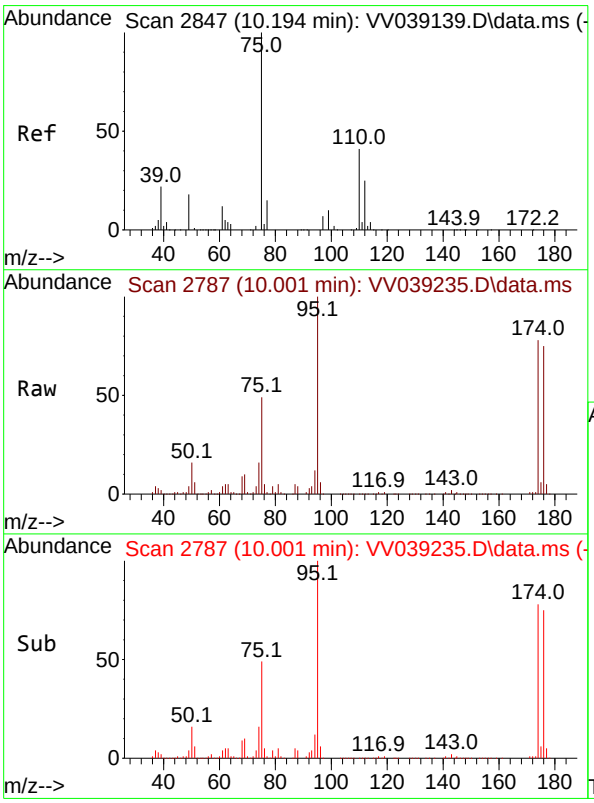
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:152 Resp: 397561

Ion	Ratio	Lower	Upper
152	100		
115	59.7	44.8	134.4
150	155.0	0.0	353.8

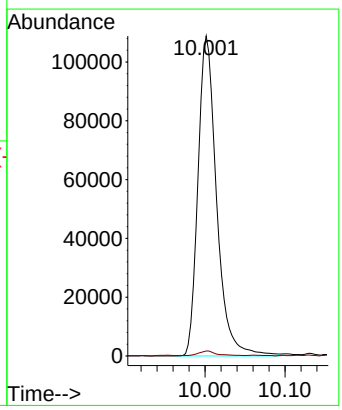


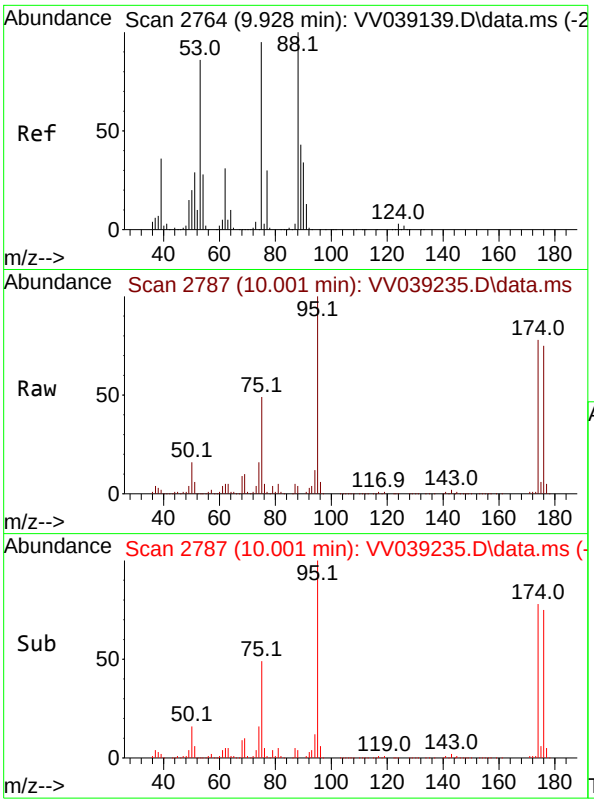


#76
1,2,3-Trichloropropane
Concen: 19.532 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.193 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 75 Resp: 176801

Ion	Ratio	Lower	Upper
75	100		
77	1.4	11.3	33.8#



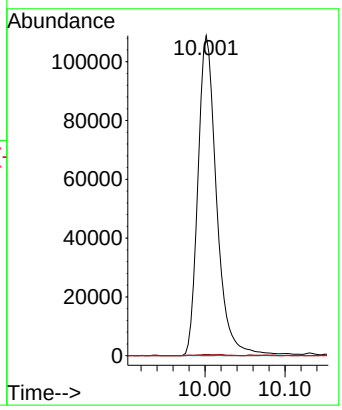


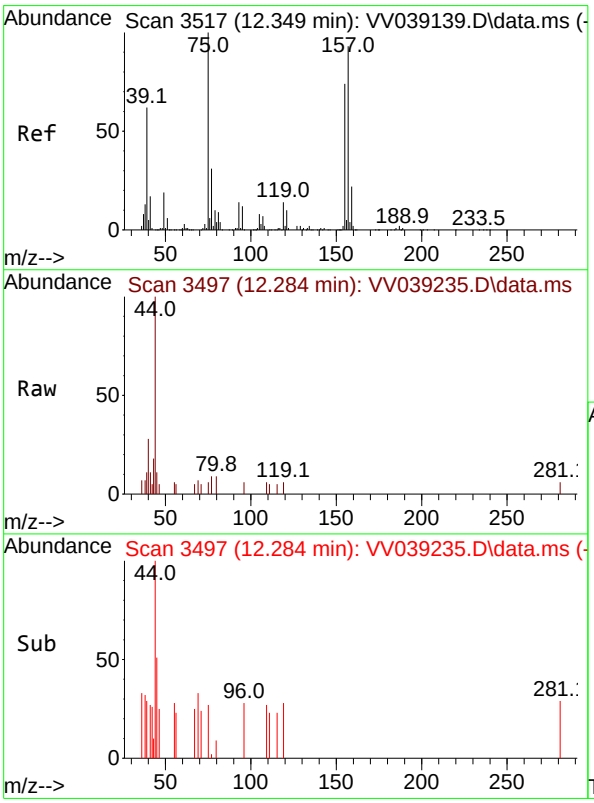
#81
trans-1,4-Dichloro-2-butene
Concen: 46.890 ug/l
RT: 10.001 min Scan# 2
Delta R.T. 0.074 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 176801

Ion	Ratio	Lower	Upper
75	100		
53	0.2	72.5	108.7#
89	0.0	37.2	55.8#





#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 12.284 min Scan# 3497
Delta R.T. -0.065 min
Lab File: VV039235.D
Acq: 29 Sep 2025 16:30

Tgt Ion: 75 Resp: 24

Ion	Ratio	Lower	Upper
75	100		
155	0.0	38.6	115.8#
157	0.0	49.5	148.3#