Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
Data File : VL042083.D
Acq On : 03 Mar 2025 18:26
Operator : SY/MD
Sample : Q1430-04 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4

Quant Time: Mar 04 00:20:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	159834	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.955	114	351160	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	298456	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	220011	9.582	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	2542	0.153	ppbv #	86
3) Chlorodifluoromethane	1.450	51	6952	0.299	ppbv #	76
4) Chloromethane	1.534	50	230	0.037	ppbv #	25
6) Bromomethane	1.651	94	84	0.030	ppbv #	2
9) Propene	1.482	41	6105	0.645	ppbv	85
11) Trichlorofluoromethane	1.877	101	1350	0.081	ppbv	84
13) Ethanol	1.719	45	41685	69.388	ppbv	92
15) Acetone	1.835	43	40072	2.839	ppbv #	82
16) 1,3-Butadiene	1.599	39	5226	0.796	ppbv #	28
17) tert-Butyl alcohol	2.042	59	4626	0.262	ppbv #	89
19) Isopropyl Alcohol	1.887	45	6886	0.849	ppbv #	45
20) Methylene Chloride	2.059	84	1758	0.329	ppbv	97
23) Vinyl Acetate	2.473	43	1882	0.190	ppbv #	60
26) Hexane	2.826	57	1404	0.061	ppbv #	64
27) Carbon Disulfide	2.149	76	2795	0.181	ppbv #	1
34) 2-Butanone	2.560	43	93192	3.406	ppbv	94
36) Benzene	3.651	78	3970	0.108	ppbv	97
39) 1,2-Dichloropropane	3.959	63	93882	6.728	ppbv #	23
44) 2,2,4-Trimethylpentane	4.635	57	2363	0.036	ppbv #	1
50) 4-Methyl-2-Pentanone	5.761	43	2347	0.066	ppbv #	38
53) Toluene	6.927	91	13471	0.328	ppbv #	20
58) Ethyl Benzene	9.354	91	2770	0.050	ppbv	98
59) m/p-Xylene	9.526	91	9044	0.207	ppbv #	100
60) o-Xylene	9.959	91	3395	0.077	ppbv	94
74) 1,2,4-Trimethylbenzene	11.536	105	4463	0.085	ppbv #	63

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
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SV4

Quant Time: Mar 04 00:20:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
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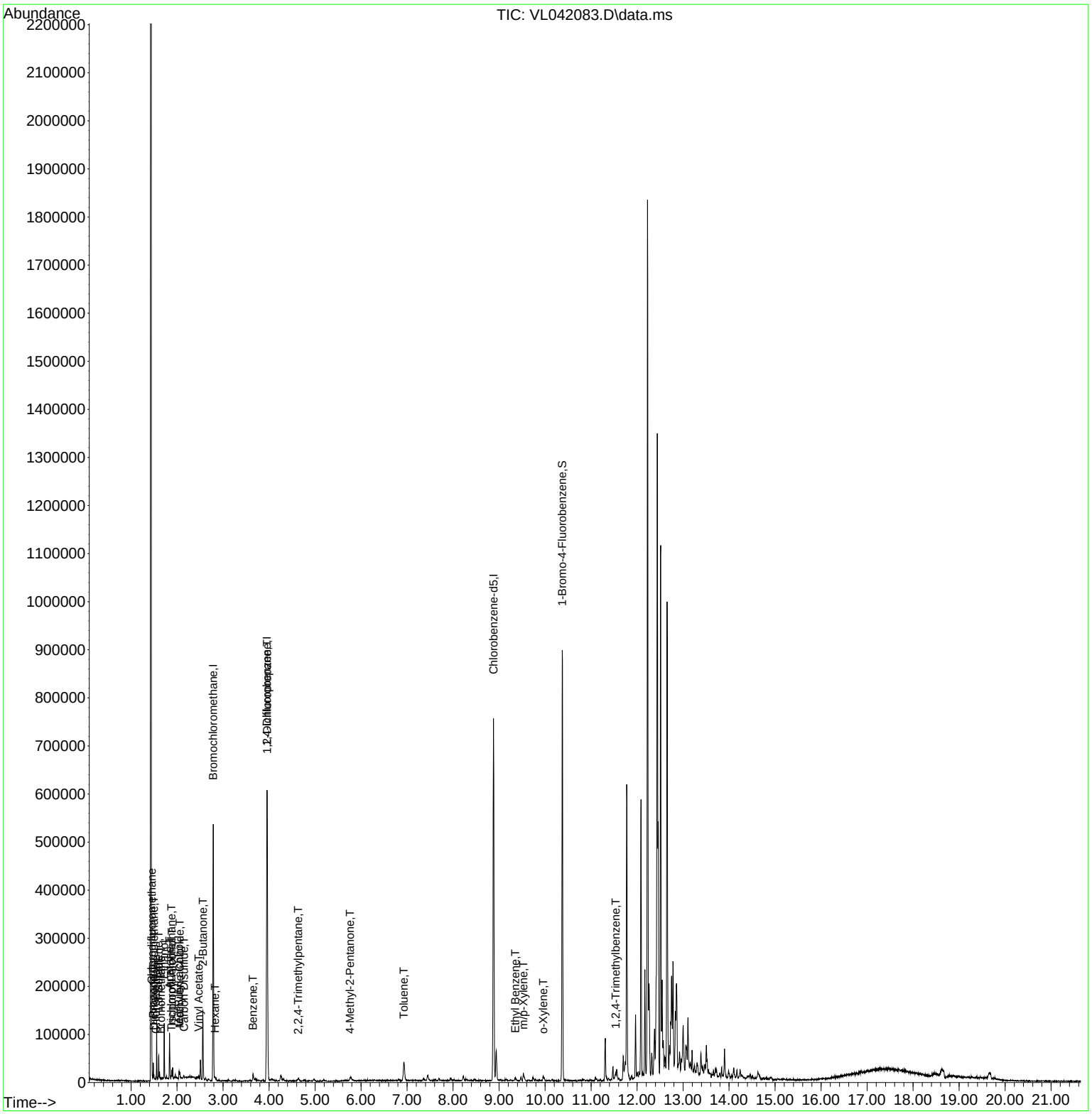
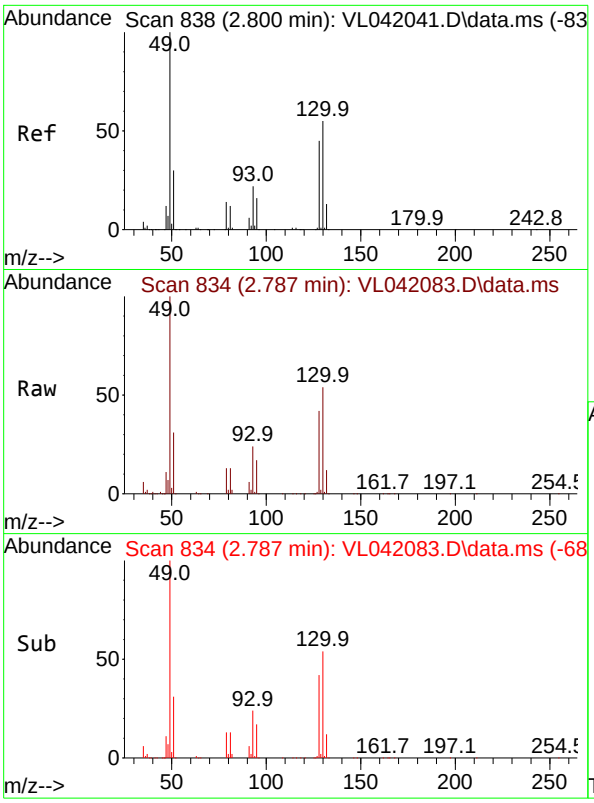


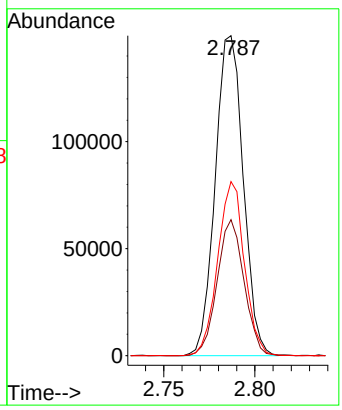


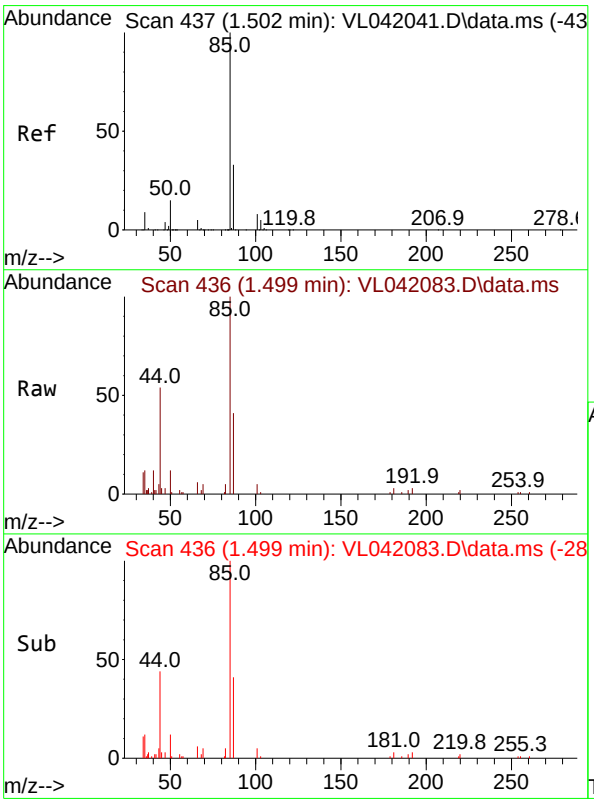
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.013 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 49 Resp: 159834

Ion	Ratio	Lower	Upper
49	100		
128	40.8	21.6	64.8
130	51.9	27.8	83.4

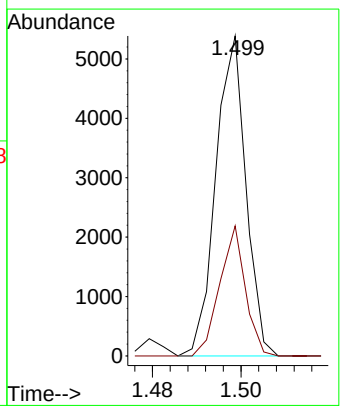


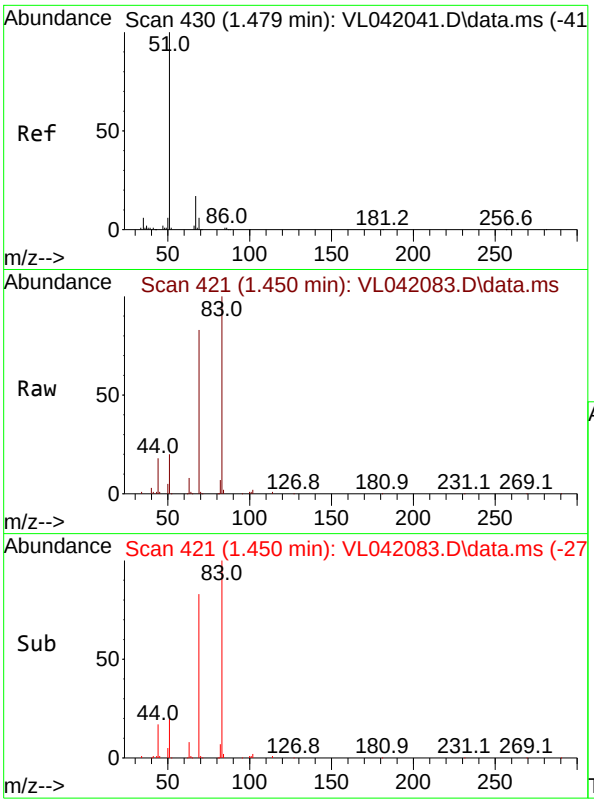


#2
Dichlorodifluoromethane
Concen: 0.153 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 85 Resp: 2542

Ion	Ratio	Lower	Upper
85	100		
87	40.7	26.4	39.6#



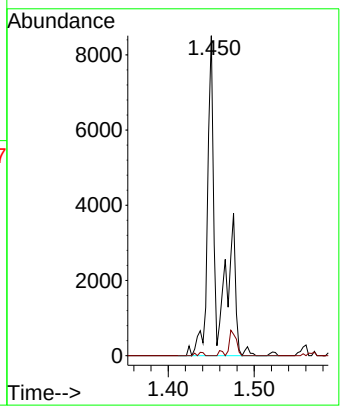


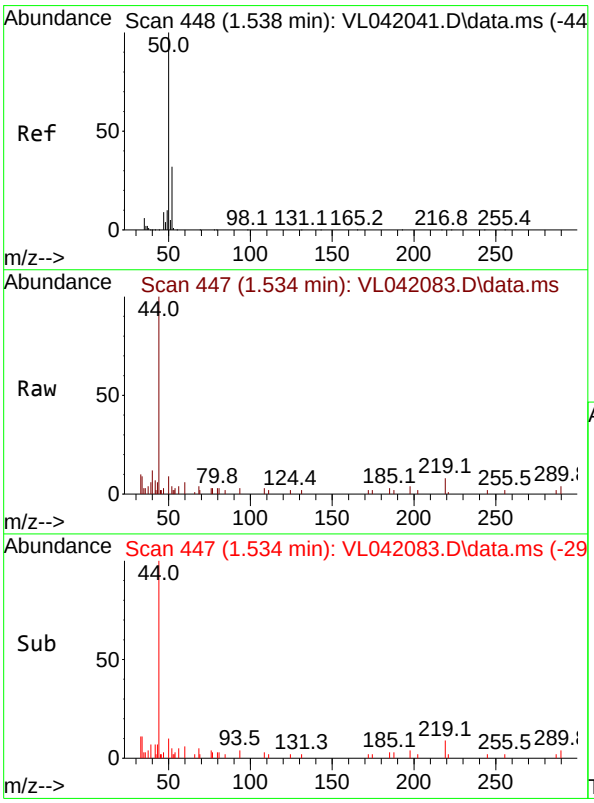
#3
Chlorodifluoromethane
Concen: 0.299 ppbv
RT: 1.450 min Scan# 4
Delta R.T. -0.029 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 51 Resp: 6952

Ion	Ratio	Lower	Upper
51	100		
67	6.7	13.7	20.5#

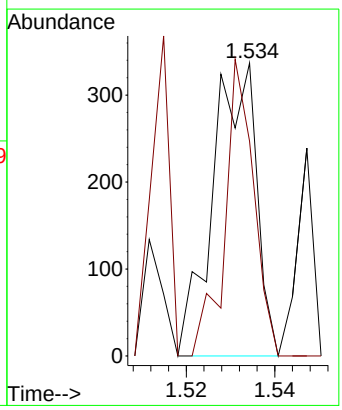


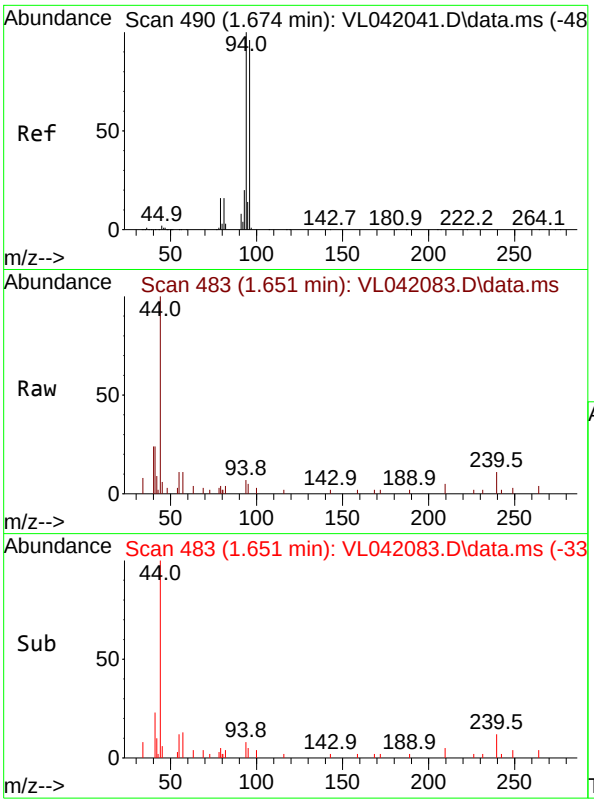


#4
Chloromethane
Concen: 0.037 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 50 Resp: 230

Ion	Ratio	Lower	Upper
50	100		
52	73.3	25.4	38.0#



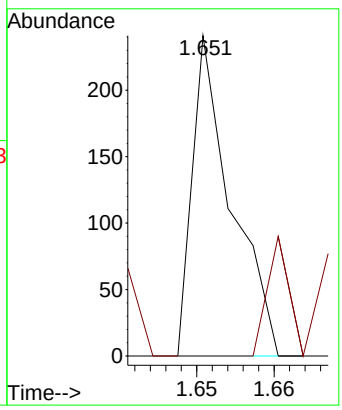


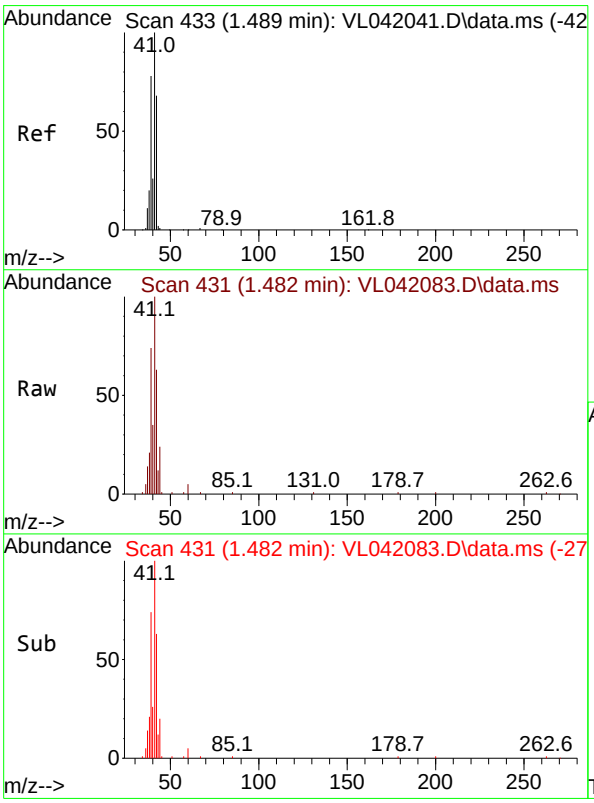
#6
Bromomethane
Concen: 0.030 ppbv
RT: 1.651 min Scan# 4
Delta R.T. -0.023 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 94 Resp: 84

Ion	Ratio	Lower	Upper
94	100		
96	0.0	76.5	114.7#

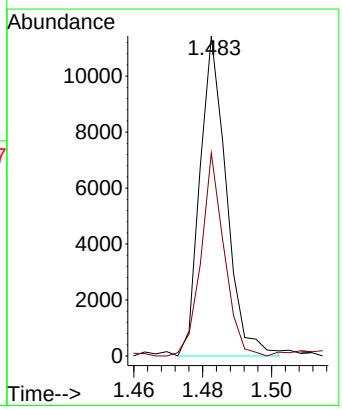


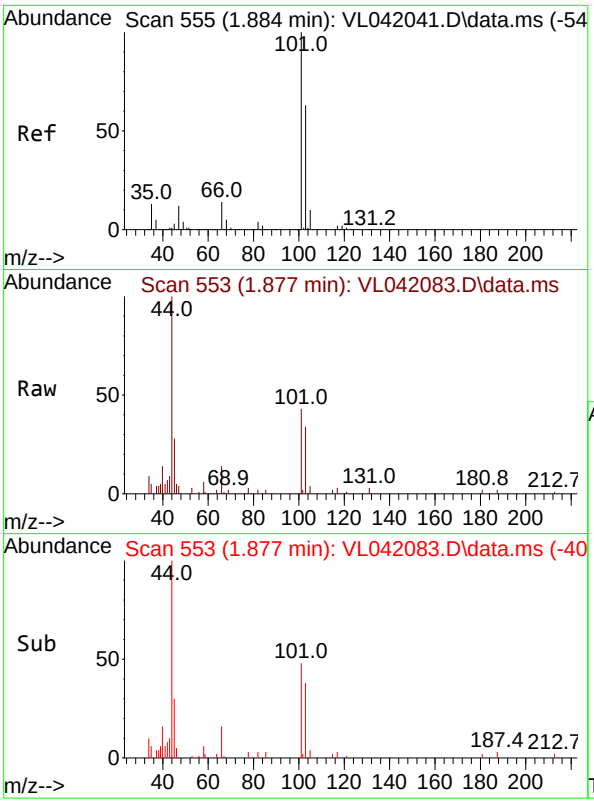


#9
Propene
Concen: 0.645 ppbv
RT: 1.482 min Scan# 431
Delta R.T. -0.007 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 41 Resp: 6105

Ion	Ratio	Lower	Upper
41	100		
42	57.7	55.8	83.6



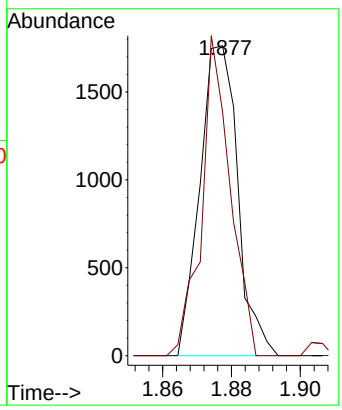


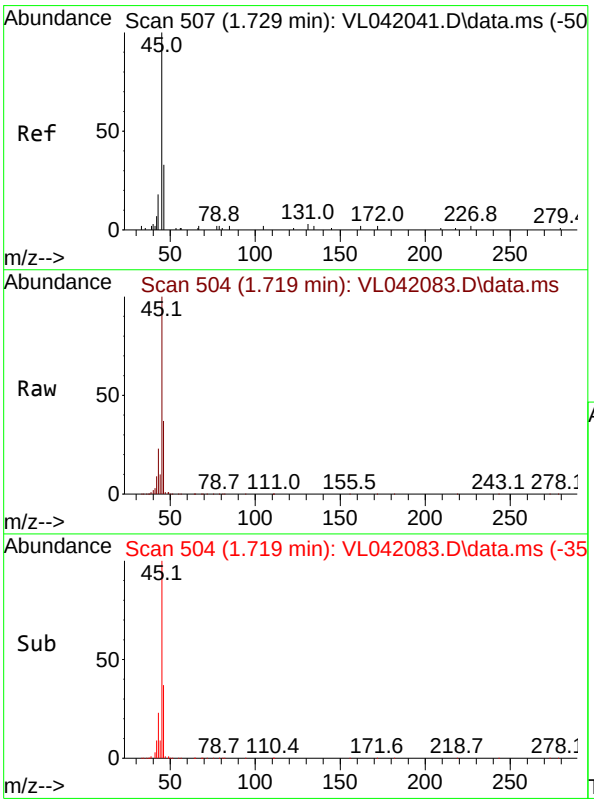
#11
Trichlorofluoromethane
Concen: 0.081 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.007 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion:101 Resp: 1350

Ion	Ratio	Lower	Upper
101	100		
103	75.5	50.6	75.8

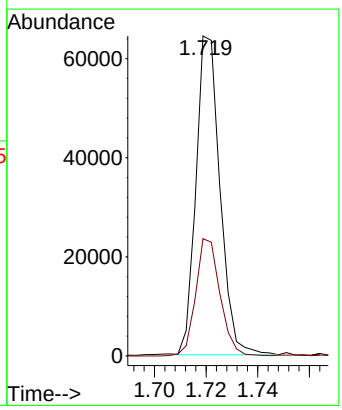


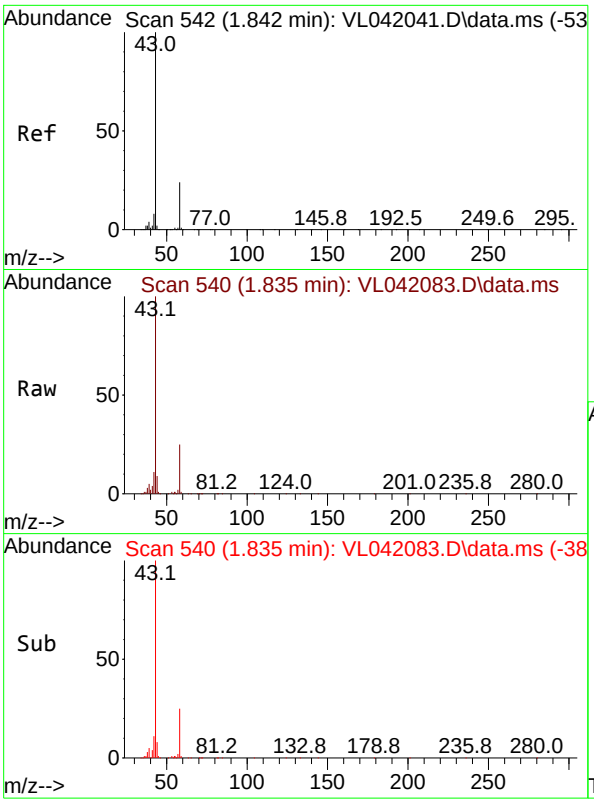


#13
Ethanol
Concen: 69.388 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.010 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 45 Resp: 41685

Ion	Ratio	Lower	Upper
45	100		
46	37.9	17.1	68.3



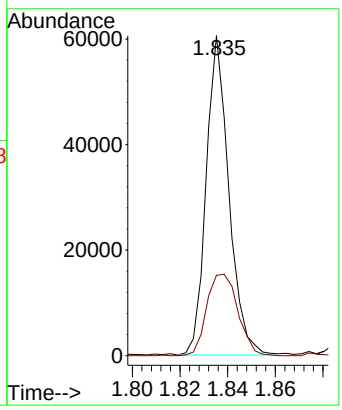


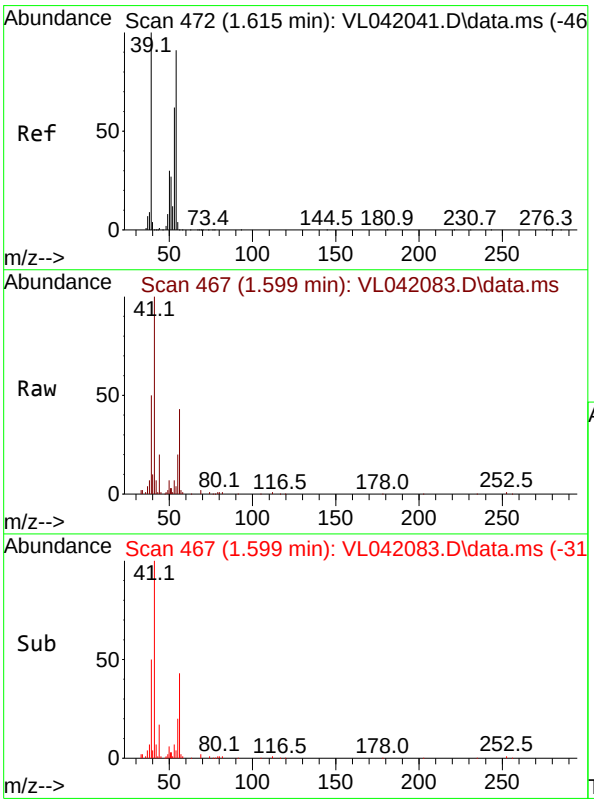
#15
Acetone
Concen: 2.839 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.007 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 43 Resp: 40072

Ion	Ratio	Lower	Upper
43	100		
58	35.0	20.7	31.1#

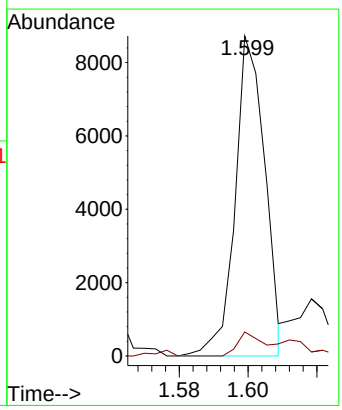


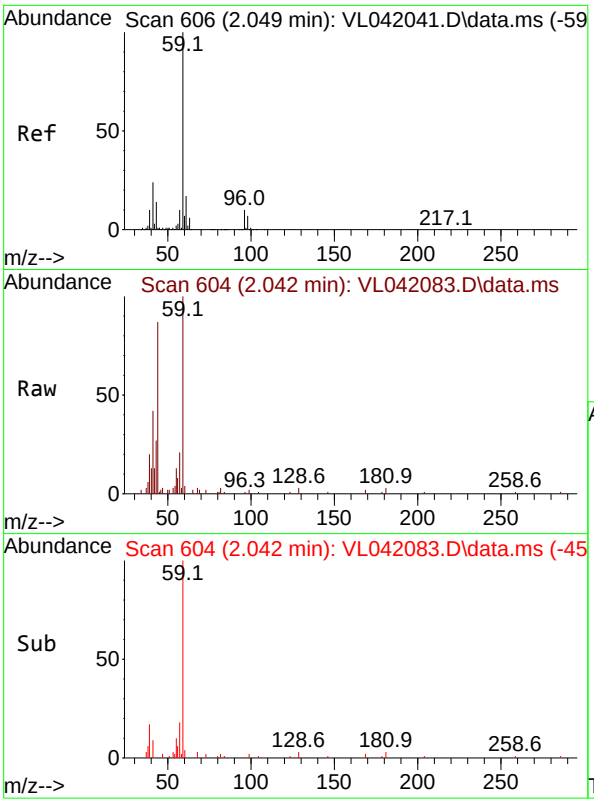


#16
1,3-Butadiene
Concen: 0.796 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.016 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 39 Resp: 5226

Ion	Ratio	Lower	Upper
39	100		
54	13.2	59.6	89.4#



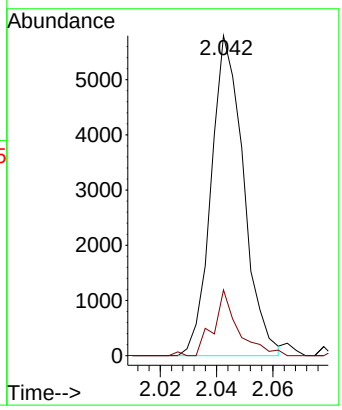


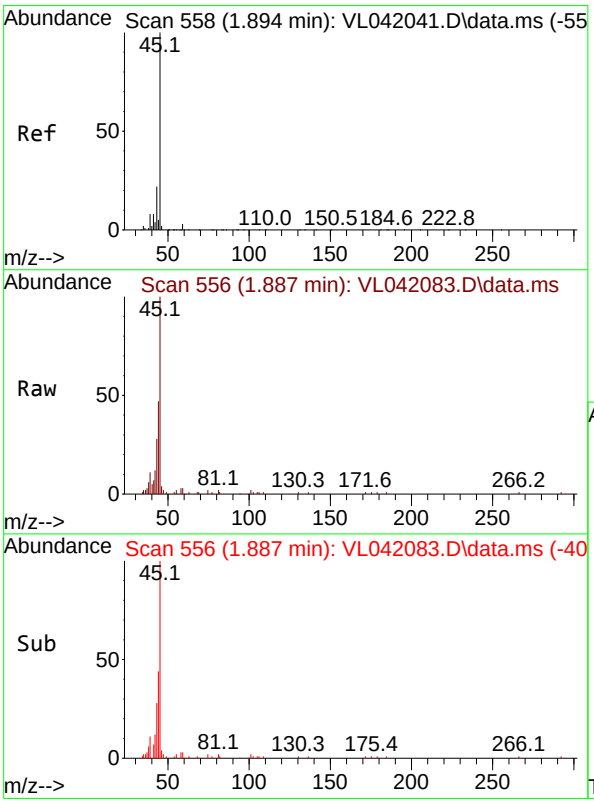
#17
tert-Butyl alcohol
Concen: 0.262 ppbv
RT: 2.042 min Scan# 6
Delta R.T. -0.007 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 59 Resp: 4626

Ion	Ratio	Lower	Upper
59	100		
57	15.8	9.3	13.9#

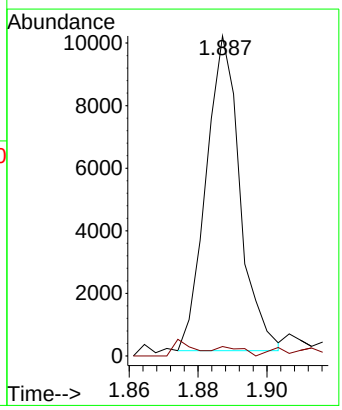


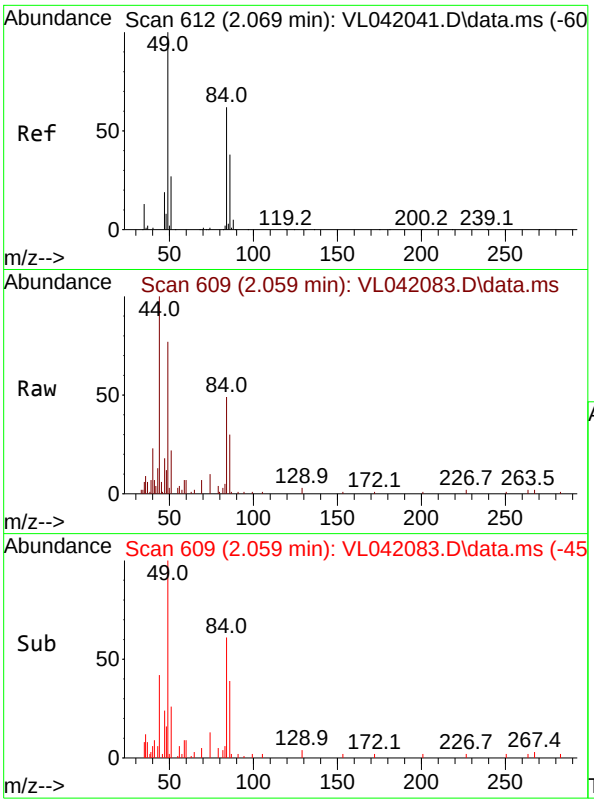


#19
Isopropyl Alcohol
Concen: 0.849 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.007 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 45 Resp: 6886

Ion	Ratio	Lower	Upper
45	100		
58	8.7	35.3	52.9#



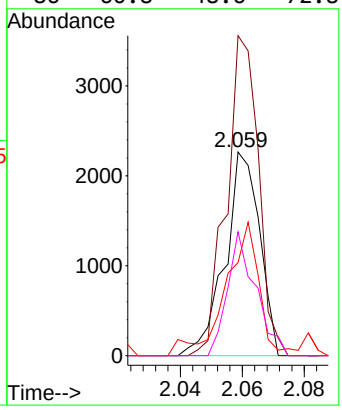


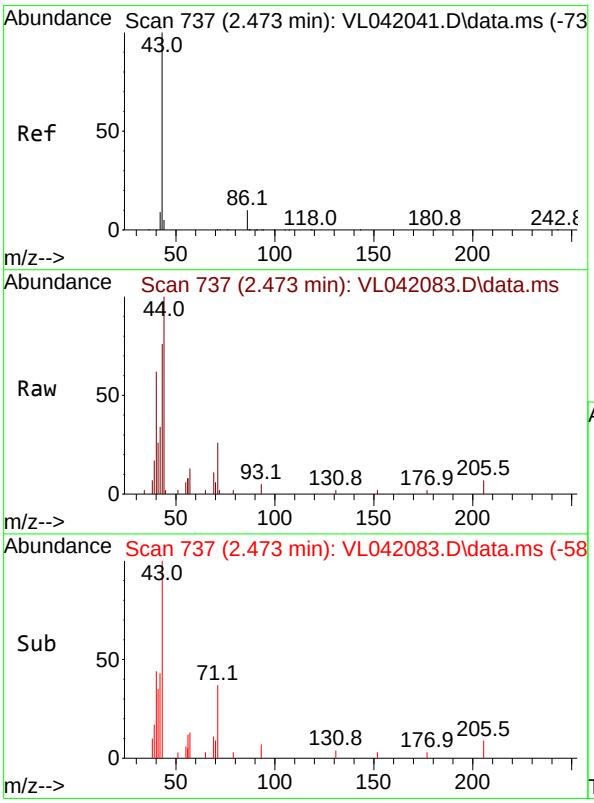
#20
Methylene Chloride
Concen: 0.329 ppbv
RT: 2.059 min Scan# 6
Delta R.T. -0.010 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 84 Resp: 1758

Ion	Ratio	Lower	Upper
84	100		
49	157.1	130.0	195.0
51	42.9	37.4	56.0
86	60.8	48.6	72.8

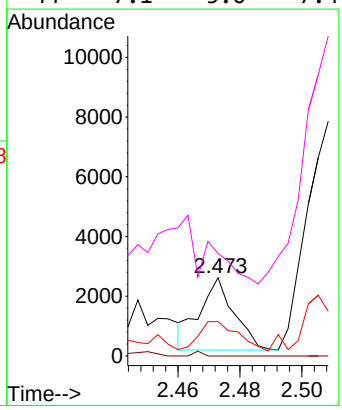


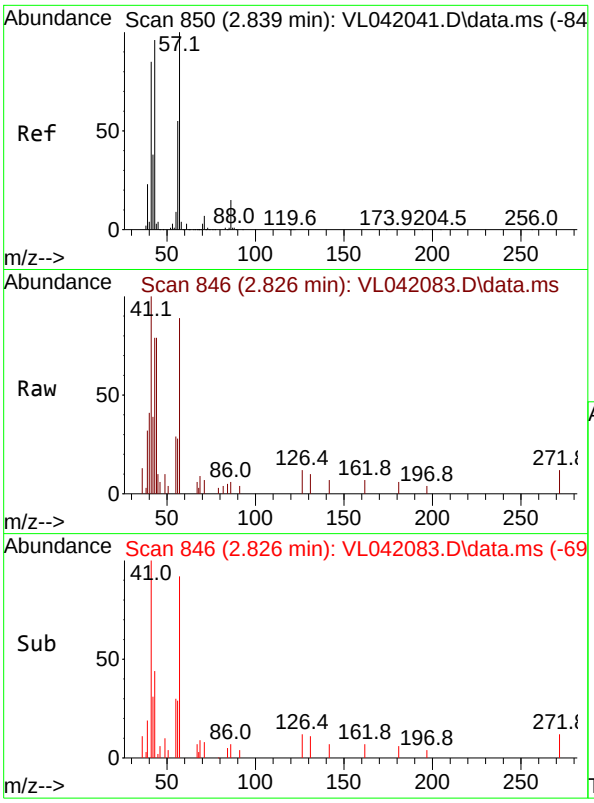


#23
Vinyl Acetate
Concen: 0.190 ppbv
RT: 2.473 min Scan# 737
Delta R.T. -0.000 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 43 Resp: 1882

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.0	10.4#
42	38.7	7.6	11.4#
44	7.1	5.0	7.4



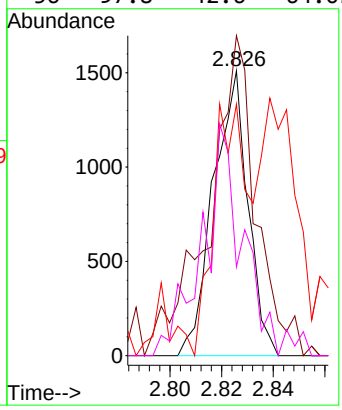


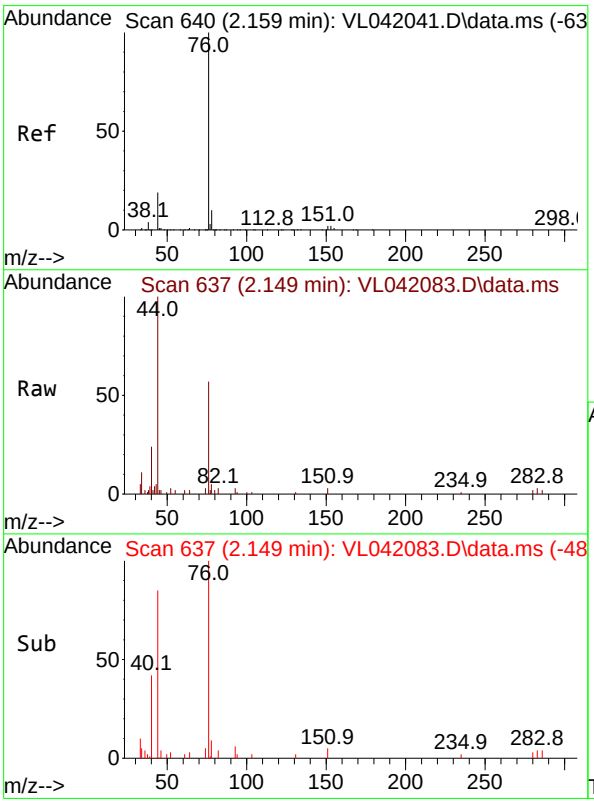
#26
Hexane
Concen: 0.061 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.013 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 57 Resp: 1404

Ion	Ratio	Lower	Upper
57	100		
41	157.5	70.6	106.0#
43	221.3	199.4	299.0
56	97.8	42.6	64.0#

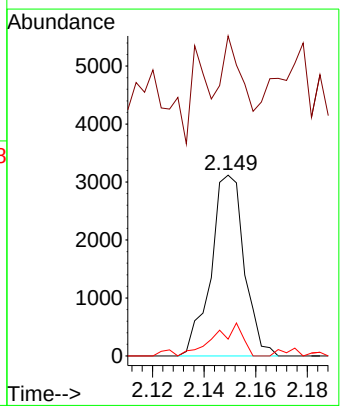


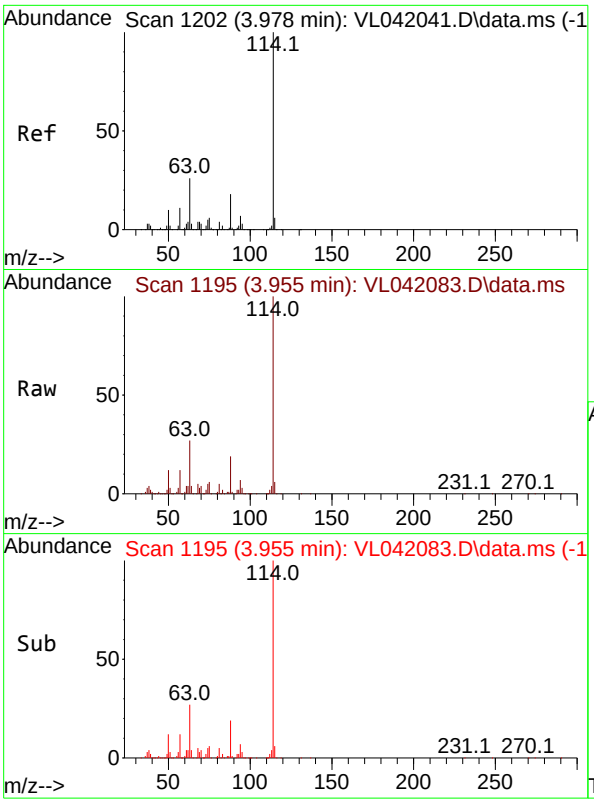


#27
Carbon Disulfide
Concen: 0.181 ppbv
RT: 2.149 min Scan# 637
Delta R.T. -0.010 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 76 Resp: 2795

Ion	Ratio	Lower	Upper
76	100		
44	234.9	16.2	24.2#
78	25.7	9.4	14.0#



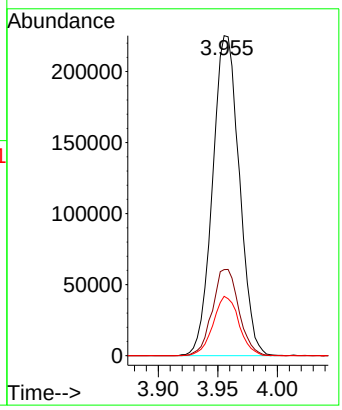


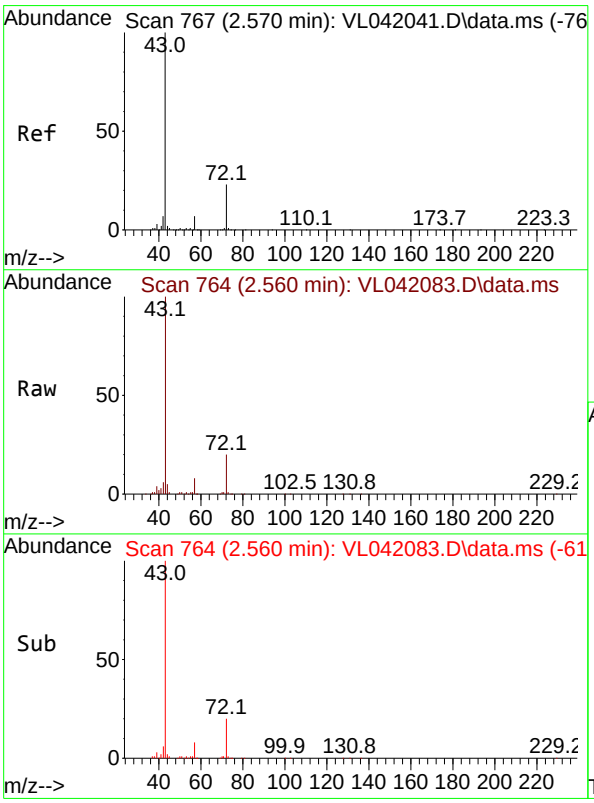
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 11
Delta R.T. -0.023 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion:114 Resp: 351160

Ion	Ratio	Lower	Upper
114	100		
63	26.8	20.1	30.1
88	17.9	14.3	21.5

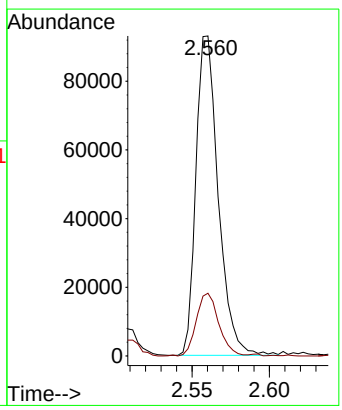


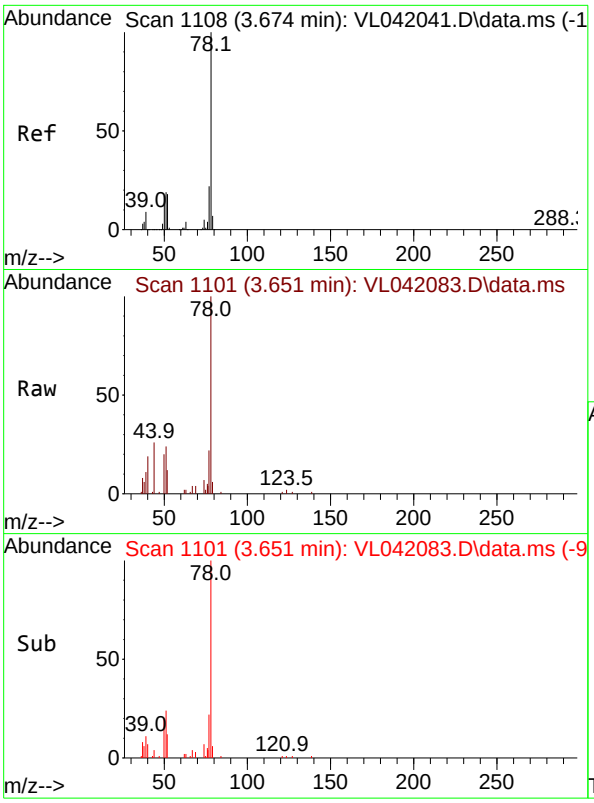


#34
2-Butanone
Concen: 3.406 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.010 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 43 Resp: 93192

Ion	Ratio	Lower	Upper
43	100		
72	20.2	18.5	27.7



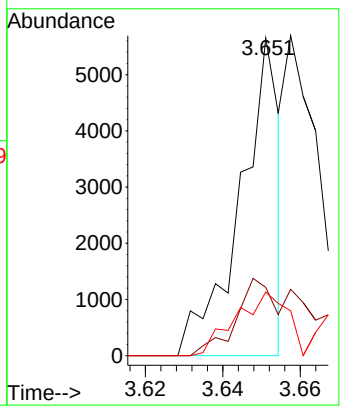


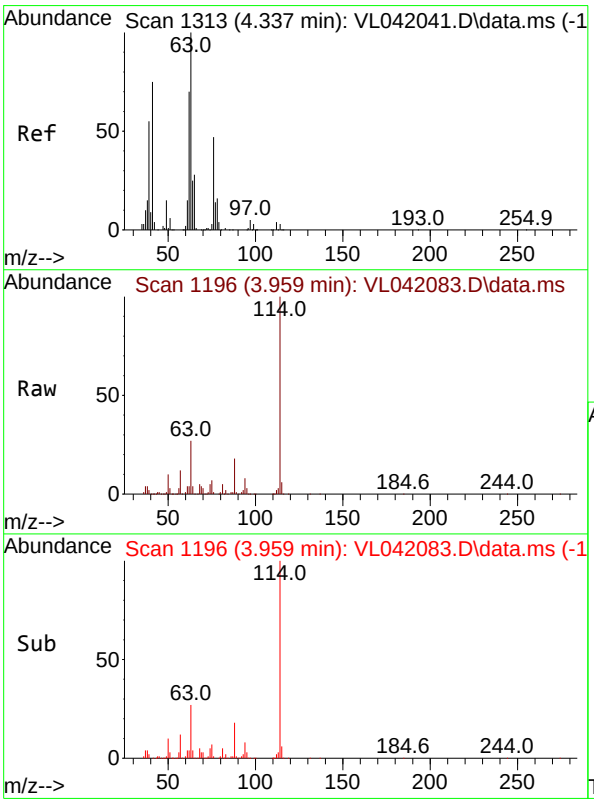
#36
Benzene
Concen: 0.108 ppbv
RT: 3.651 min Scan# 1
Delta R.T. -0.023 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 78 Resp: 3970

Ion	Ratio	Lower	Upper
78	100		
77	21.5	17.7	26.5
50	20.1	13.9	20.9

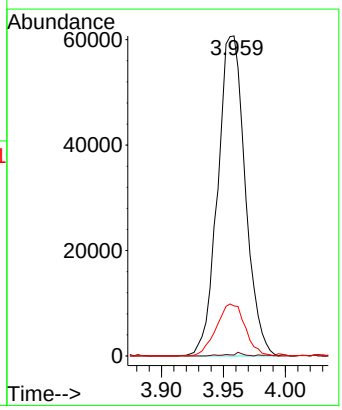


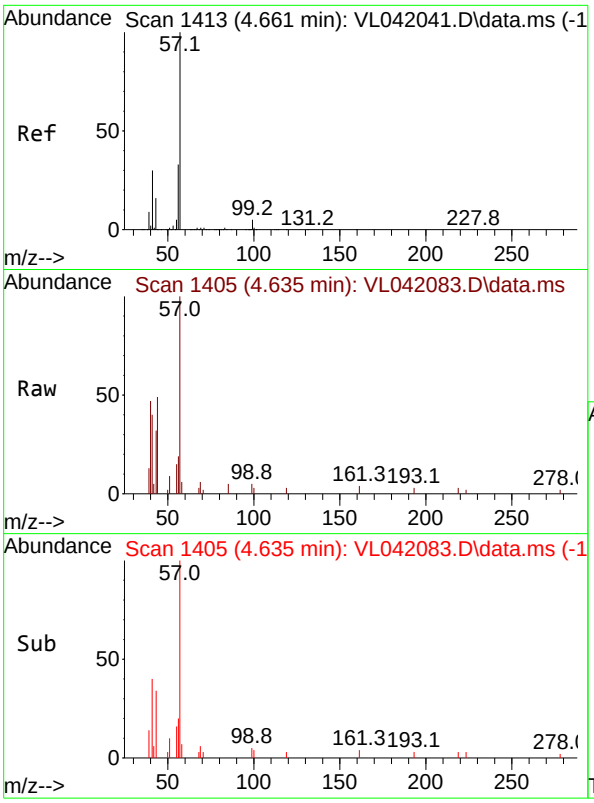


#39
1,2-Dichloropropane
Concen: 6.728 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.379 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 63 Resp: 93882

Ion	Ratio	Lower	Upper
63	100		
41	0.3	60.1	90.1#
62	15.7	55.8	83.8#



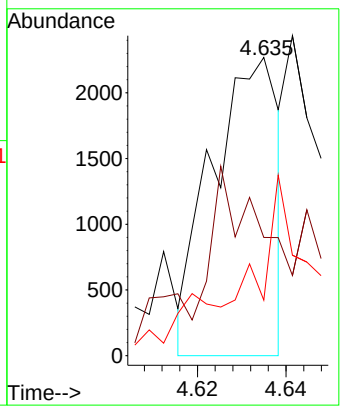


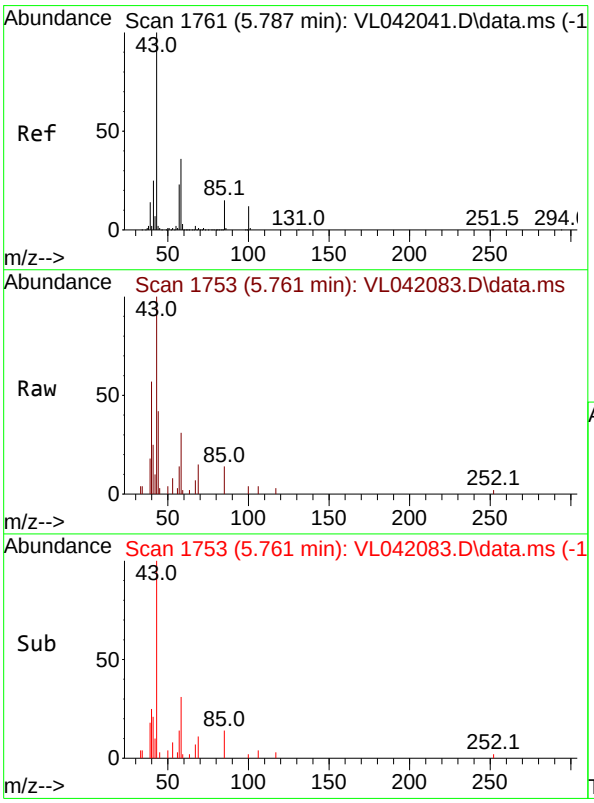
#44
2,2,4-Trimethylpentane
Concen: 0.036 ppbv
RT: 4.635 min Scan# 14
Delta R.T. -0.026 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 57 Resp: 2363

Ion	Ratio	Lower	Upper
57	100		
41	110.3	24.4	36.6#
56	0.0	26.5	39.7#

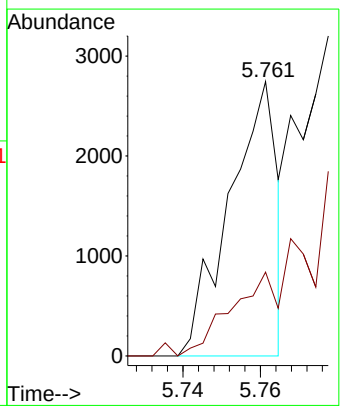


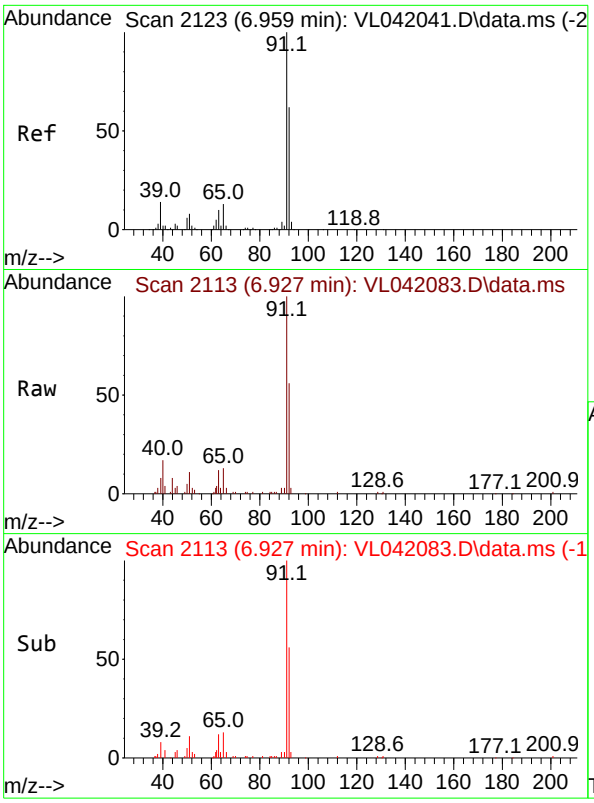


#50
4-Methyl-2-Pentanone
Concen: 0.066 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. -0.026 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 43 Resp: 2347

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.3	43.9#



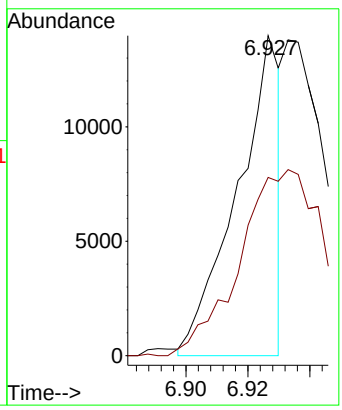


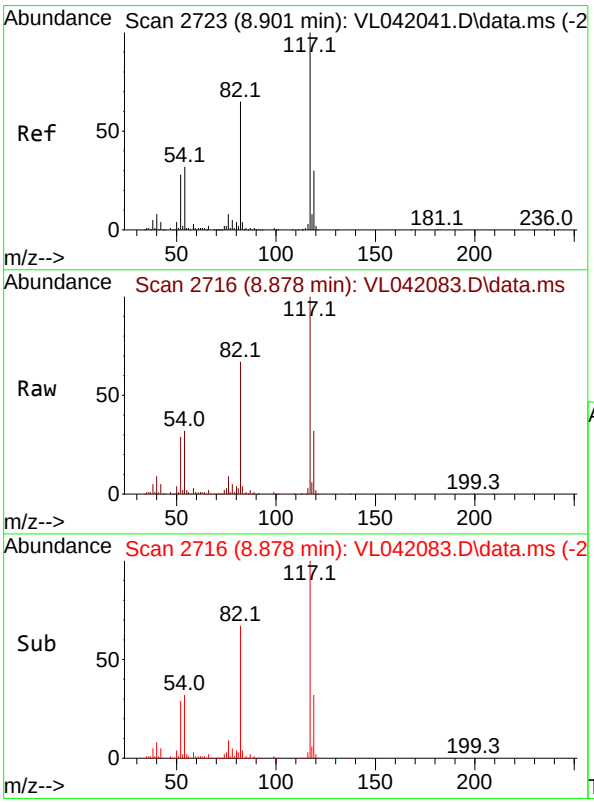
#53
Toluene
Concen: 0.328 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.033 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 91 Resp: 13471

Ion	Ratio	Lower	Upper
91	100		
92	0.0	49.0	73.6#

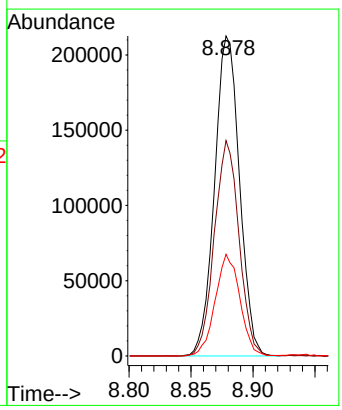


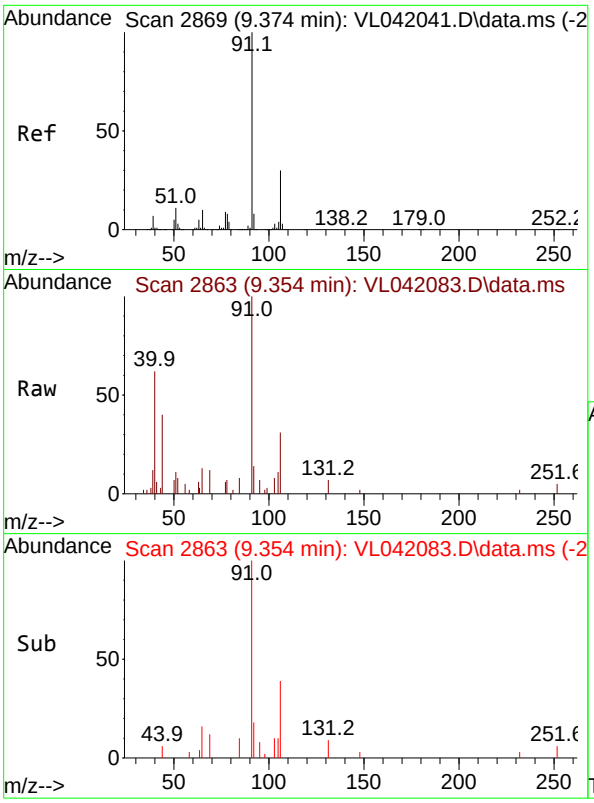


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.023 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion:117 Resp: 298456

Ion	Ratio	Lower	Upper
117	100		
82	66.6	55.0	82.6
119	31.5	25.9	38.9



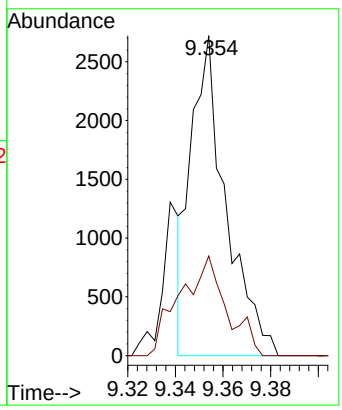


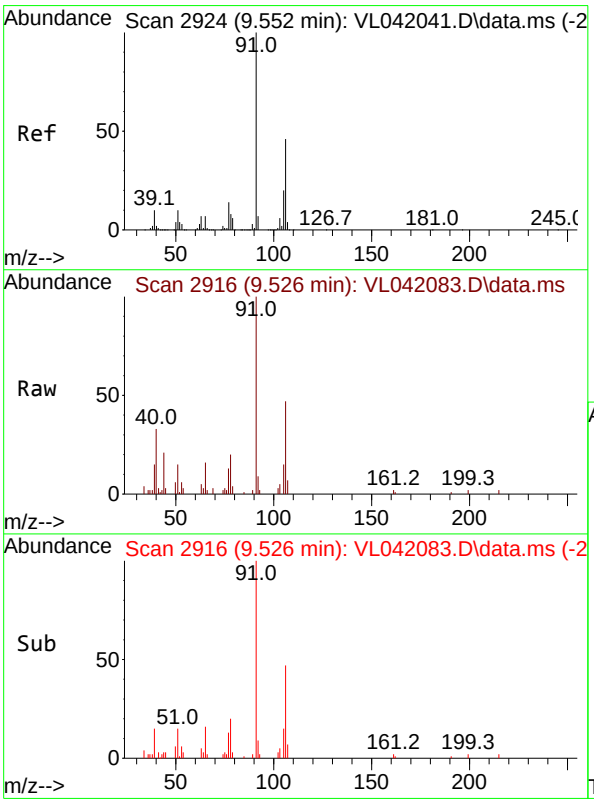
#58
Ethyl Benzene
Concen: 0.050 ppbv
RT: 9.354 min Scan# 2
Delta R.T. -0.020 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 91 Resp: 2770

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.2	36.2

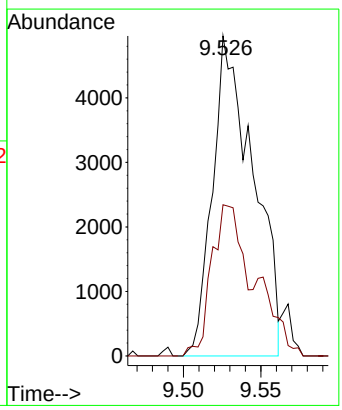


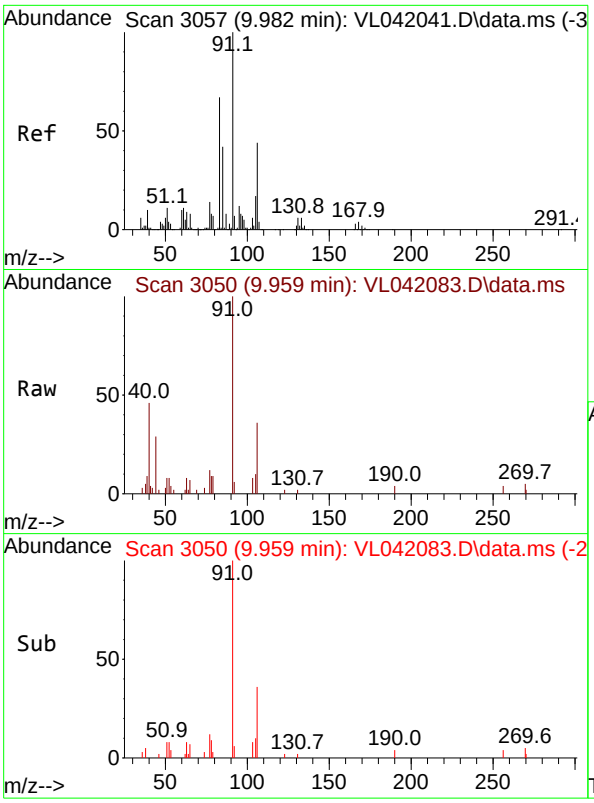


#59
m/p-Xylene
Concen: 0.207 ppbv
RT: 9.526 min Scan# 2916
Delta R.T. -0.026 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 91 Resp: 9044

Ion	Ratio	Lower	Upper
91	100		
106	49.7	0.0	0.0#



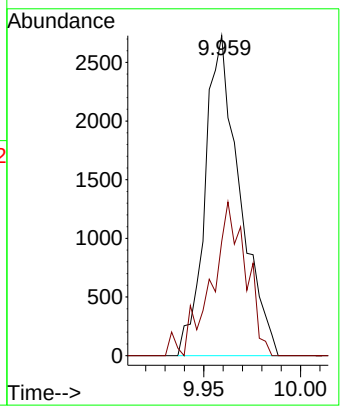


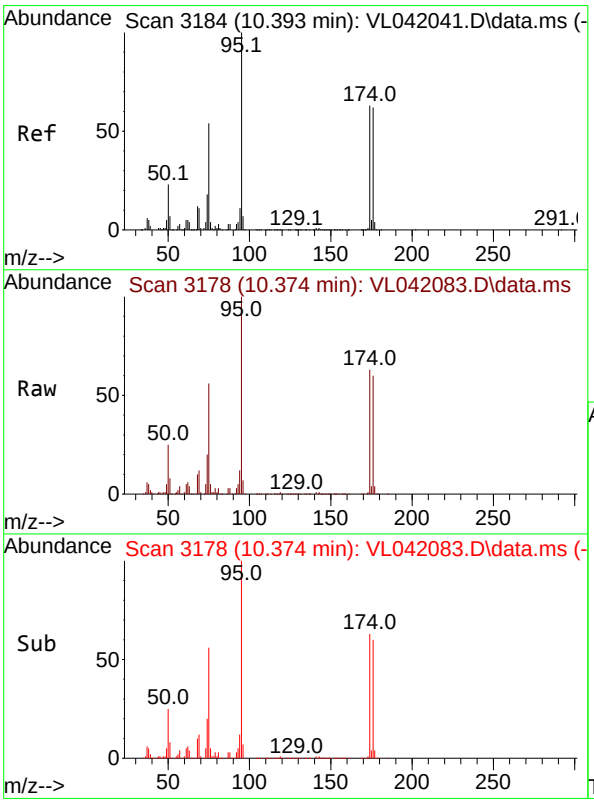
#60
o-Xylene
Concen: 0.077 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.023 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 91 Resp: 3395

Ion	Ratio	Lower	Upper
91	100		
106	48.3	22.3	66.8

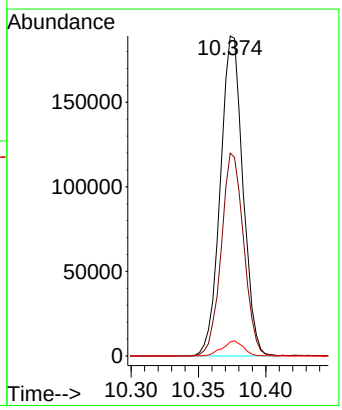


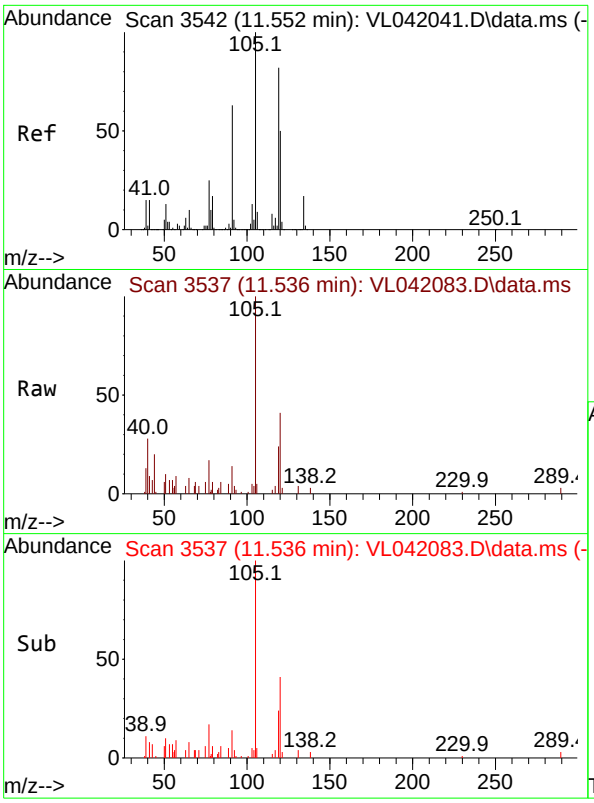


#68
1-Bromo-4-Fluorobenzene
Concen: 9.582 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.020 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Tgt Ion: 95 Resp: 220011

Ion	Ratio	Lower	Upper
95	100		
174	63.5	51.8	77.6
175	4.5	3.9	5.9





#74
1,2,4-Trimethylbenzene
Concen: 0.085 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.016 min
Lab File: VL042083.D
Acq: 03 Mar 2025 18:26

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion:105 Resp: 4463

Ion	Ratio	Lower	Upper
105	100		
120	41.2	40.2	60.2
91	14.1	51.4	77.2#
77	17.3	20.1	30.1#