Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
Data File : VL042087.D
Acq On : 03 Mar 2025 20:29
Operator : SY/MD
Sample : Q1430-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Quant Time: Mar 04 00:22:50 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	2.784	49	157351	10.000	ppbv		-0.02
33) 1,4-Difluorobenzene	3.955	114	351741	10.000	ppbv		-0.02
55) Chlorobenzene-d5	8.875	117	297676	10.000	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	225052	9.827	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.300%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	1.473	51	5948	0.260	ppbv	#	73
4) Chloromethane	1.528	50	272	0.045	ppbv		99
9) Propene	1.483	41	4028	0.432	ppbv		85
11) Trichlorofluoromethane	1.877	101	3052	0.186	ppbv		92
13) Ethanol	1.719	45	45923	77.648	ppbv		90
15) Acetone	1.835	43	40323	2.902	ppbv	#	80
16) 1,3-Butadiene	1.599	39	4416	0.683	ppbv	#	25
17) tert-Butyl alcohol	2.046	59	2503	0.144	ppbv	#	89
19) Isopropyl Alcohol	1.887	45	6742	0.845	ppbv	#	1
20) Methylene Chloride	2.059	84	4825	0.918	ppbv	#	86
23) Vinyl Acetate	2.454	43	1190	0.122	ppbv	#	53
25) Ethyl Acetate	2.836	43	1851	0.033	ppbv	#	86
26) Hexane	2.826	57	5289	0.235	ppbv	#	42
27) Carbon Disulfide	2.146	76	916	0.060	ppbv	#	1
34) 2-Butanone	2.557	43	75267	2.747	ppbv		94
36) Benzene	3.661	78	1738	0.047	ppbv		97
39) 1,2-Dichloropropane	3.955	63	94407	6.755	ppbv	#	24
50) 4-Methyl-2-Pentanone	5.765	43	3412	0.096	ppbv	#	49
52) Tetrachloroethene	8.221	164	16346	1.297	ppbv		98
53) Toluene	6.927	91	24841	0.604	ppbv		96
58) Ethyl Benzene	9.351	91	4245	0.077	ppbv	#	80
59) m/p-Xylene	9.526	91	6689	0.153	ppbv	#	100
60) o-Xylene	9.963	91	4793	0.109	ppbv		93
73) 1,3,5-Trimethylbenzene	11.202	105	1432	0.031	ppbv	#	61
74) 1,2,4-Trimethylbenzene	11.536	105	5413	0.103	ppbv	#	56

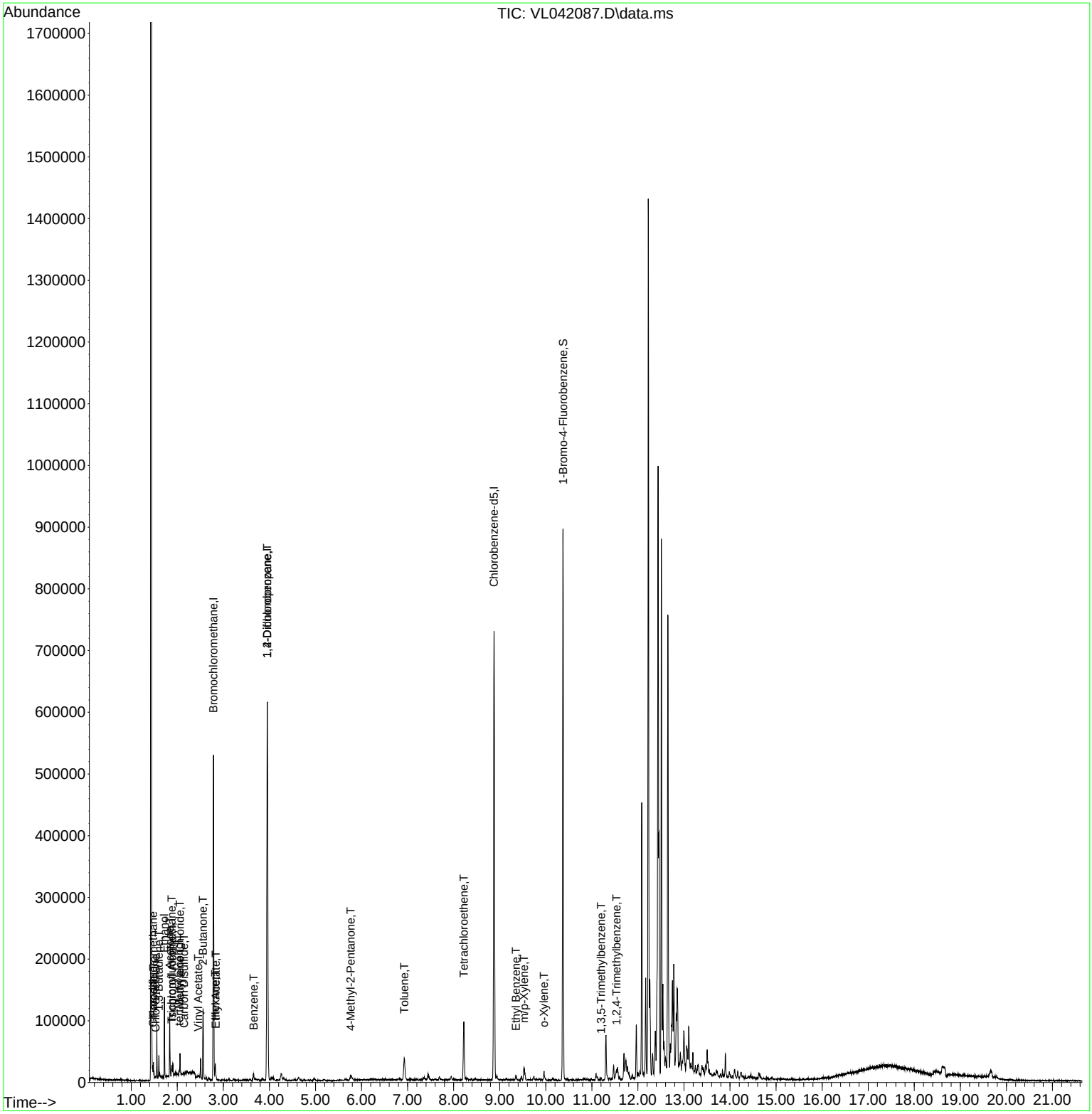
(#) = qualifier out of range (m) = manual integration (+) = signals summed

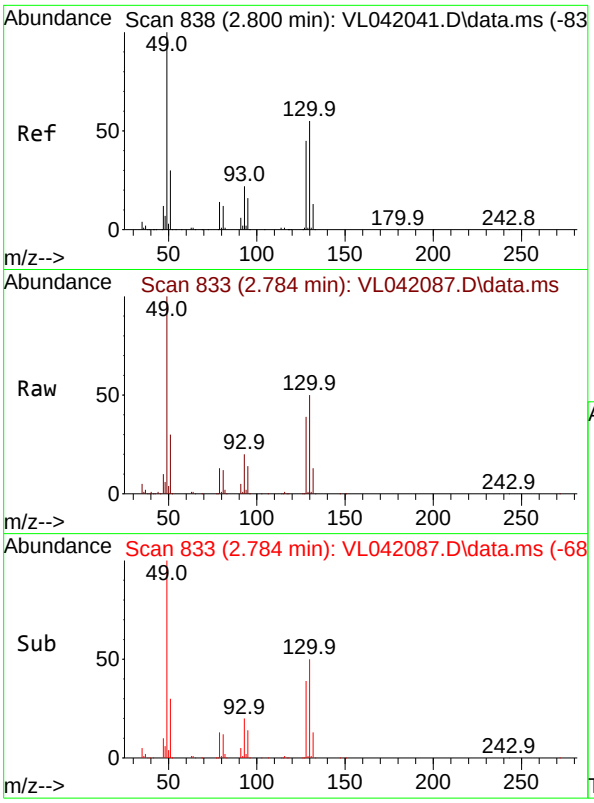
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
Data File : VL042087.D
Acq On : 03 Mar 2025 20:29
Operator : SY/MD
Sample : Q1430-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Quant Time: Mar 04 00:22:50 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



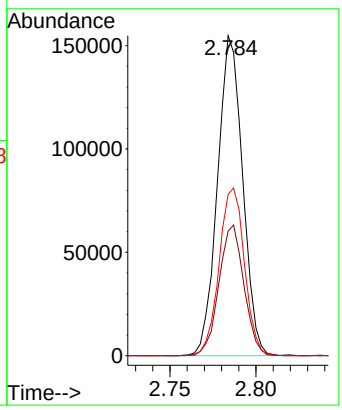


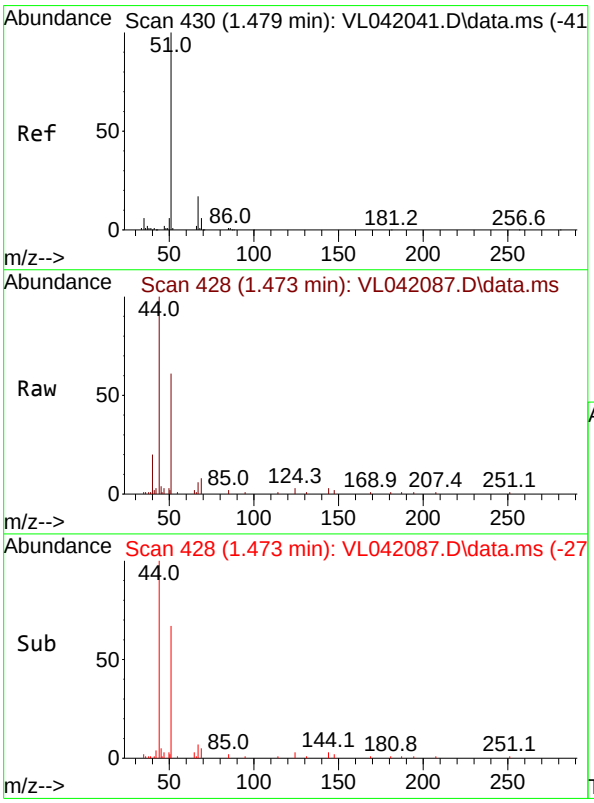
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.016 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 49 Resp: 157351

Ion	Ratio	Lower	Upper
49	100		
128	40.5	21.6	64.8
130	52.8	27.8	83.4

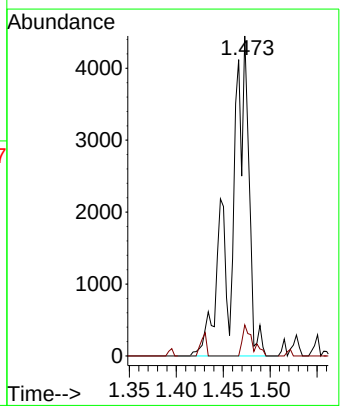


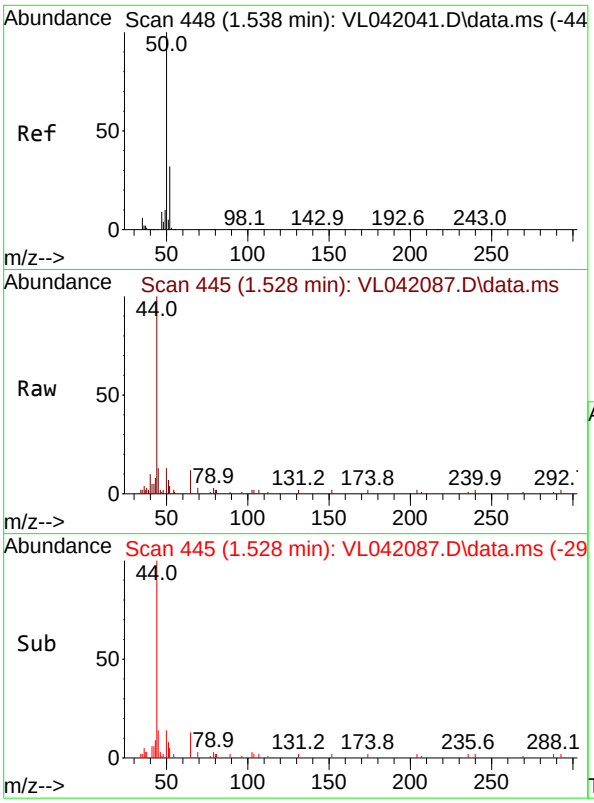


#3
Chlorodifluoromethane
Concen: 0.260 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.007 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 51 Resp: 5948

Ion	Ratio	Lower	Upper
51	100		
67	5.4	13.7	20.5#



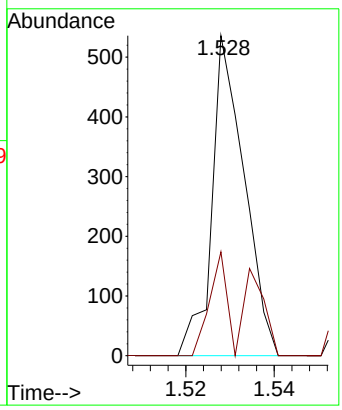


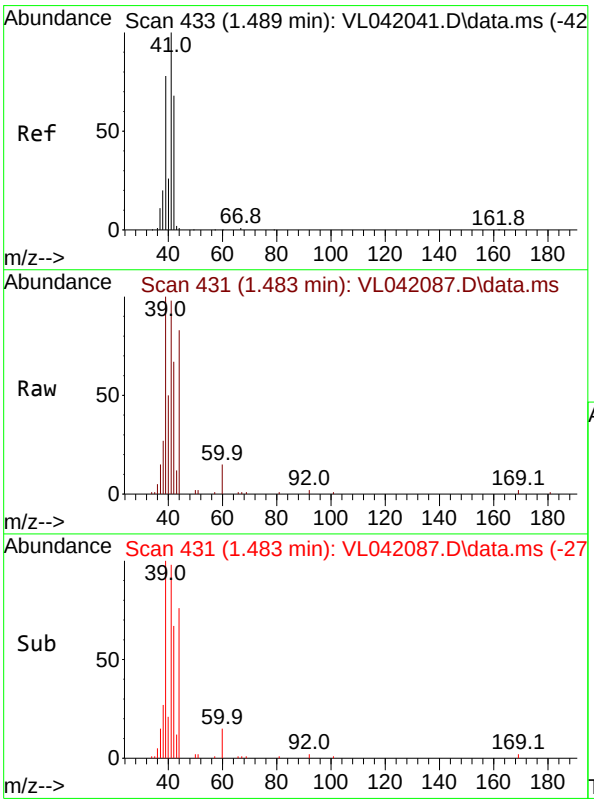
#4
Chloromethane
Concen: 0.045 ppbv
RT: 1.528 min Scan# 44
Delta R.T. -0.010 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 50 Resp: 272

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.0

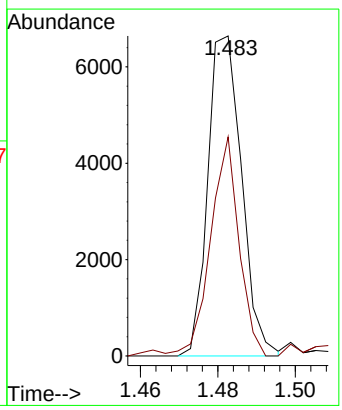


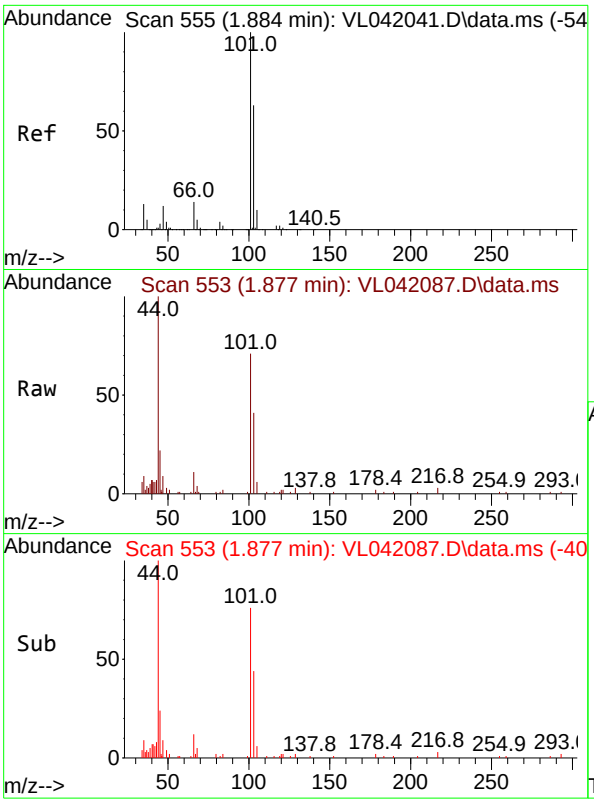


#9
Propene
Concen: 0.432 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.007 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 41 Resp: 4028

Ion	Ratio	Lower	Upper
41	100		
42	57.4	55.8	83.6



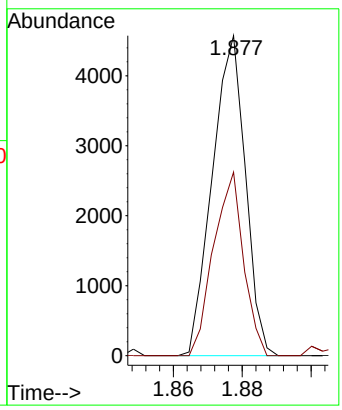


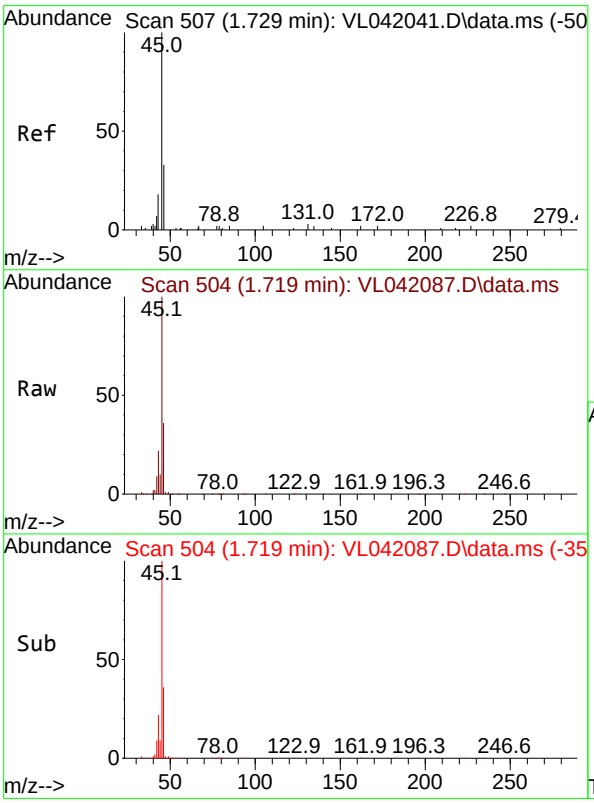
#11
Trichlorofluoromethane
Concen: 0.186 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.007 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion:101 Resp: 3052

Ion	Ratio	Lower	Upper
101	100		
103	57.4	50.6	75.8

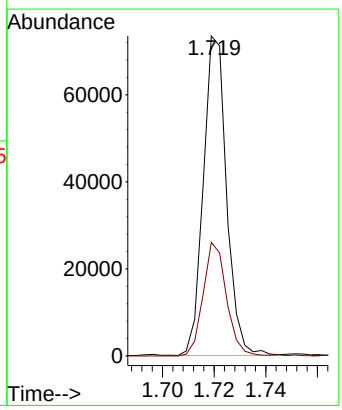


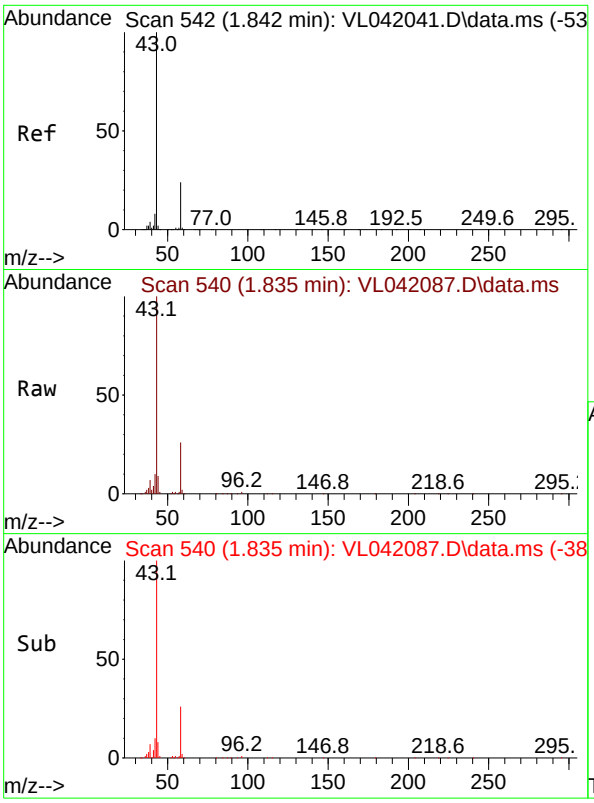


#13
Ethanol
Concen: 77.648 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.010 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 45 Resp: 45923

Ion	Ratio	Lower	Upper
45	100		
46	36.2	17.1	68.3



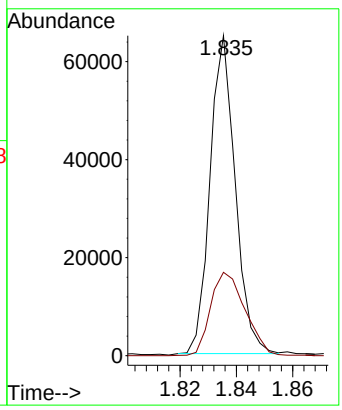


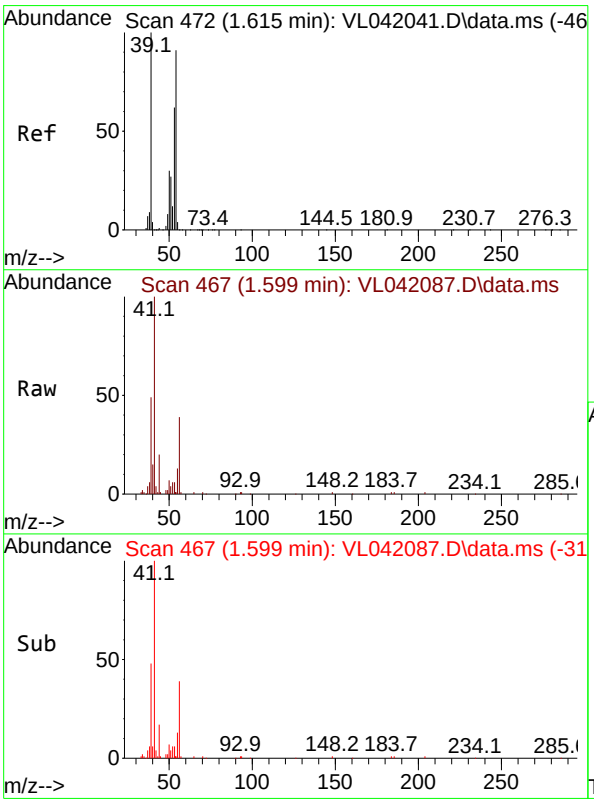
#15
Acetone
Concen: 2.902 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.007 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 43 Resp: 40323

Ion	Ratio	Lower	Upper
43	100		
58	36.0	20.7	31.1#

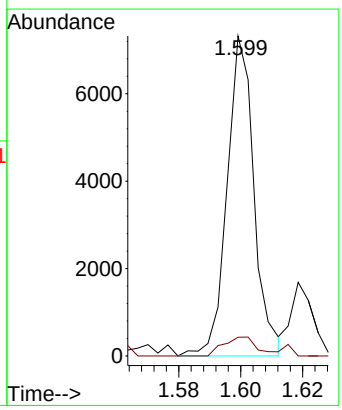


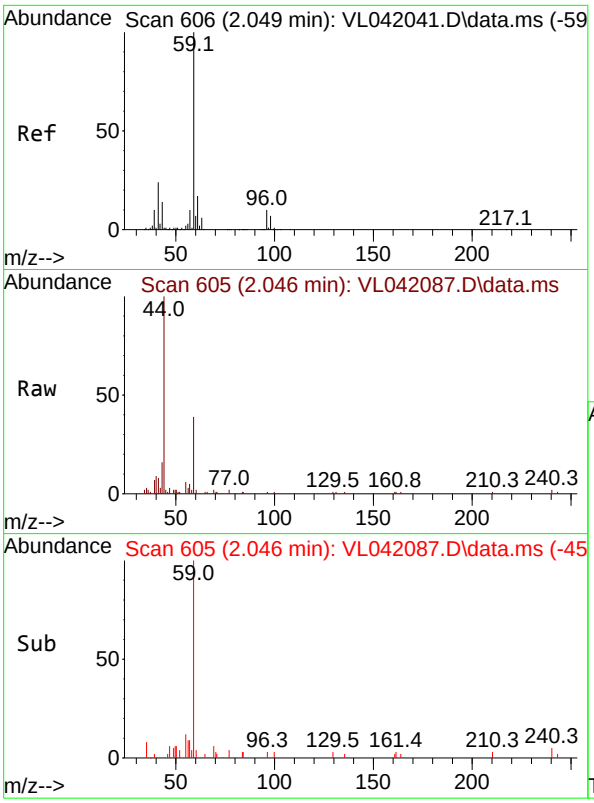


#16
1,3-Butadiene
Concen: 0.683 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.016 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 39 Resp: 4416

Ion	Ratio	Lower	Upper
39	100		
54	11.0	59.6	89.4#



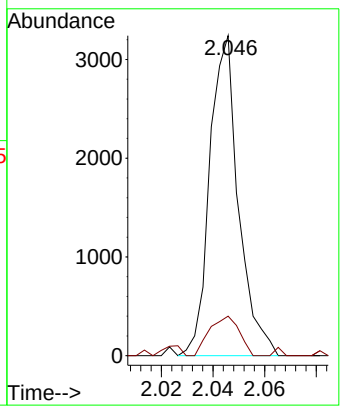


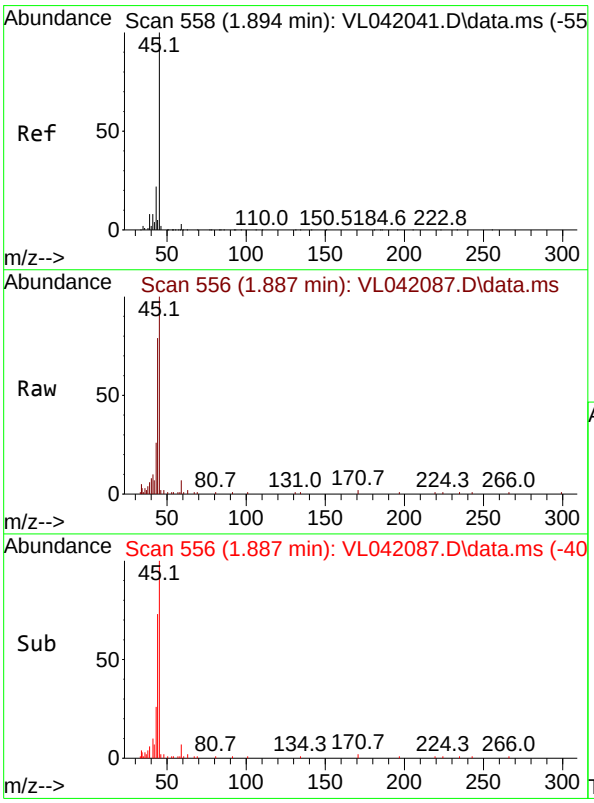
#17
tert-Butyl alcohol
Concen: 0.144 ppbv
RT: 2.046 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 59 Resp: 2503

Ion	Ratio	Lower	Upper
59	100		
57	15.7	9.3	13.9#

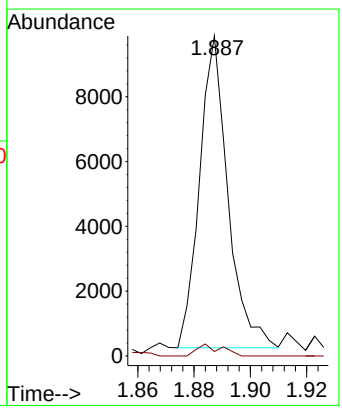


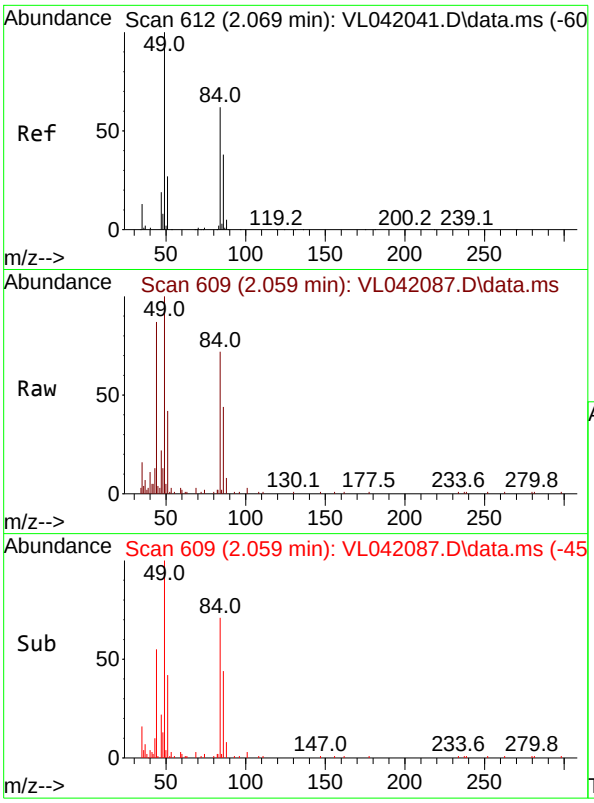


#19
Isopropyl Alcohol
Concen: 0.845 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.007 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 45 Resp: 6742

Ion	Ratio	Lower	Upper
45	100		
58	215.4	35.3	52.9#



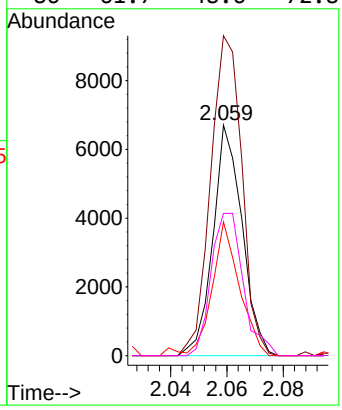


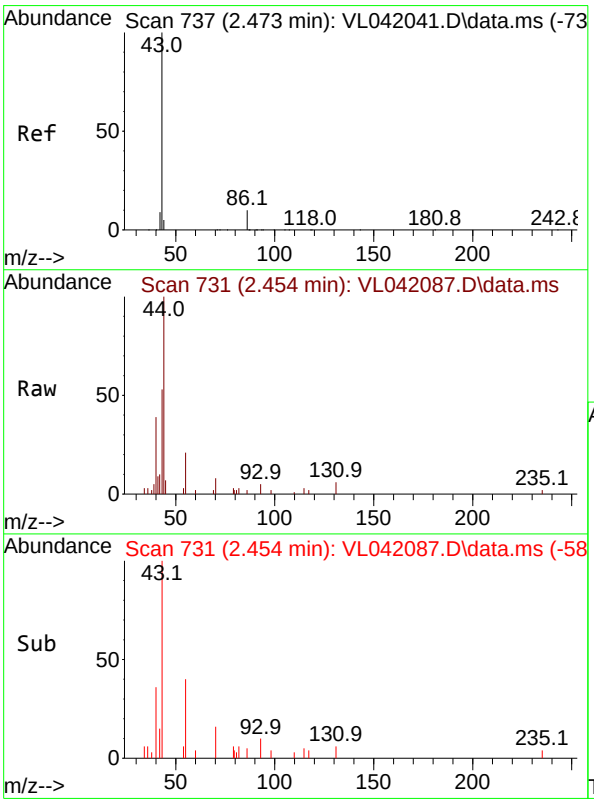
#20
Methylene Chloride
Concen: 0.918 ppbv
RT: 2.059 min Scan# 6
Delta R.T. -0.010 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 84 Resp: 4825

Ion	Ratio	Lower	Upper
84	100		
49	138.8	130.0	195.0
51	58.1	37.4	56.0#
86	61.7	48.6	72.8

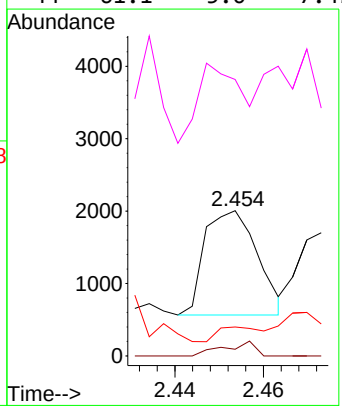


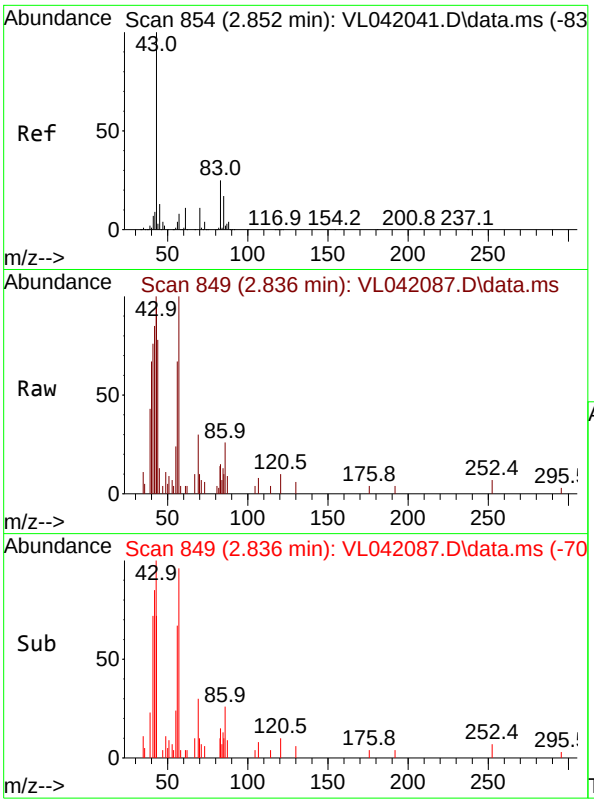


#23
Vinyl Acetate
Concen: 0.122 ppbv
RT: 2.454 min Scan# 731
Delta R.T. -0.020 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 43 Resp: 1190

Ion	Ratio	Lower	Upper
43	100		
86	6.5	7.0	10.4#
42	6.6	7.6	11.4#
44	61.1	5.0	7.4#



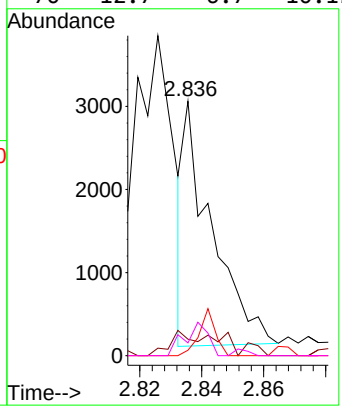


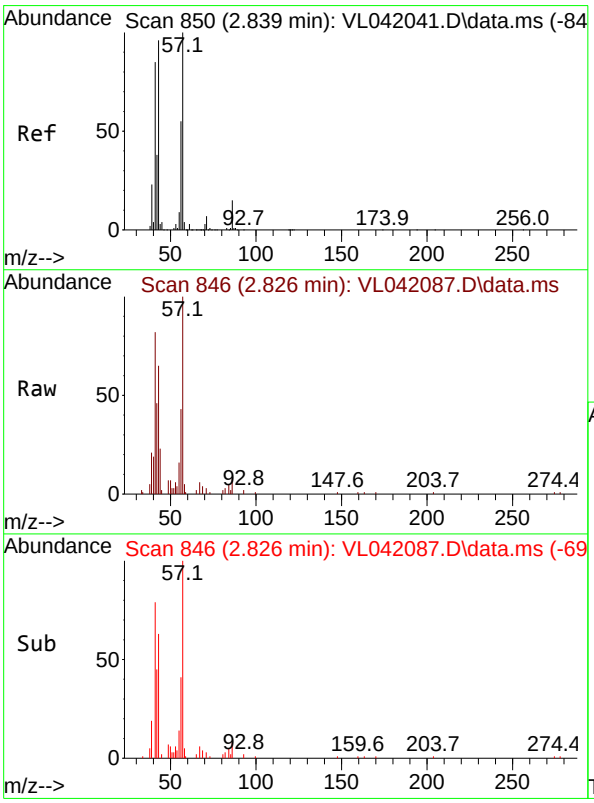
#25
Ethyl Acetate
Concen: 0.033 ppbv
RT: 2.836 min Scan# 84
Delta R.T. -0.016 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 43 Resp: 1851

Ion	Ratio	Lower	Upper
43	100		
45	19.0	8.1	12.1#
61	10.9	7.2	10.8#
70	12.7	6.7	10.1#

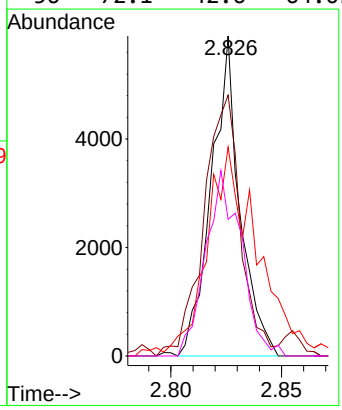


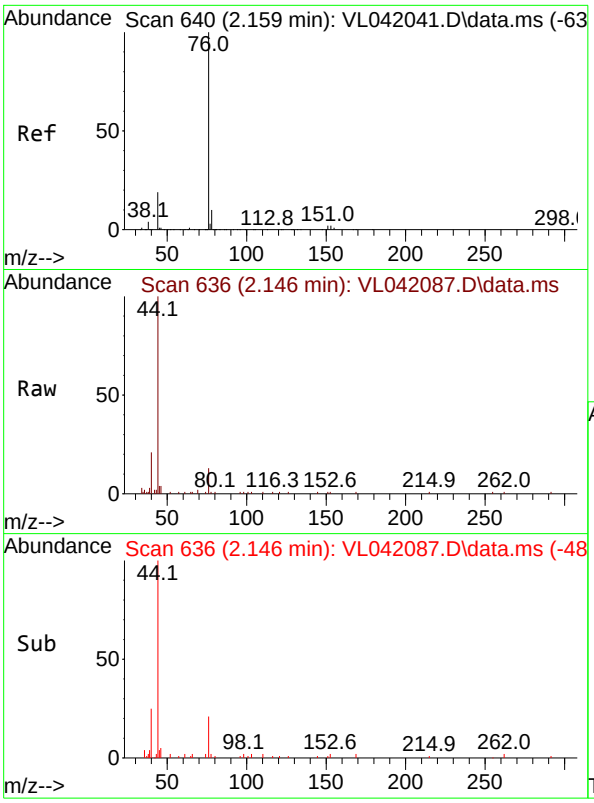


#26
Hexane
Concen: 0.235 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.013 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 57 Resp: 5289

Ion	Ratio	Lower	Upper
57	100		
41	118.2	70.6	106.0#
43	120.1	199.4	299.0#
56	72.1	42.6	64.0#



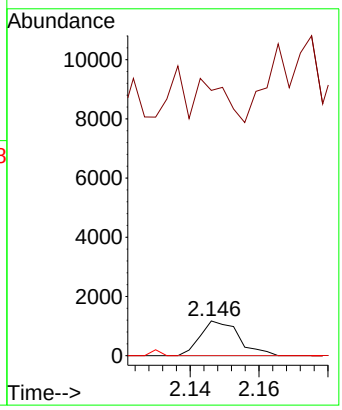


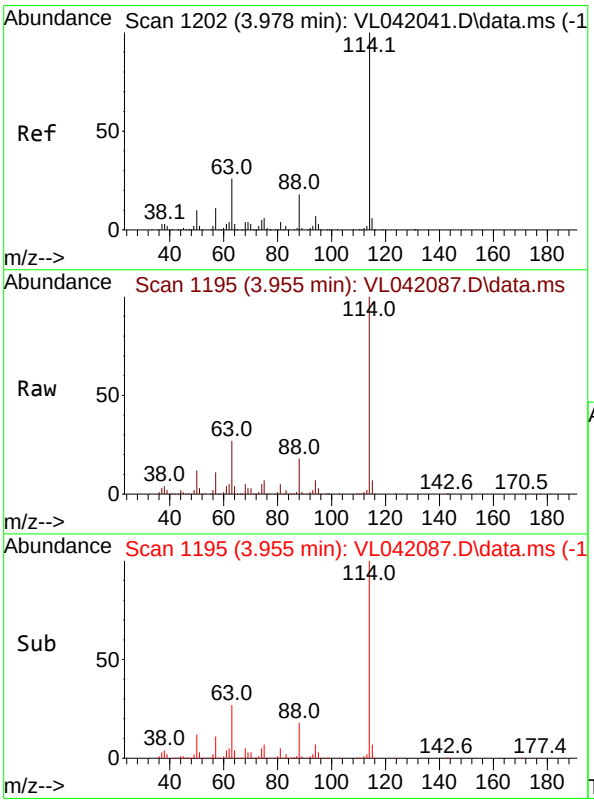
#27
Carbon Disulfide
Concen: 0.060 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.013 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 76 Resp: 916

Ion	Ratio	Lower	Upper
76	100		
44	1276.5	16.2	24.2#
78	0.0	9.4	14.0#

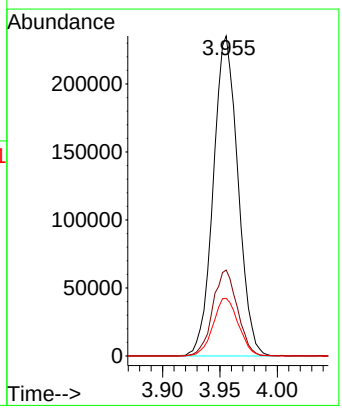


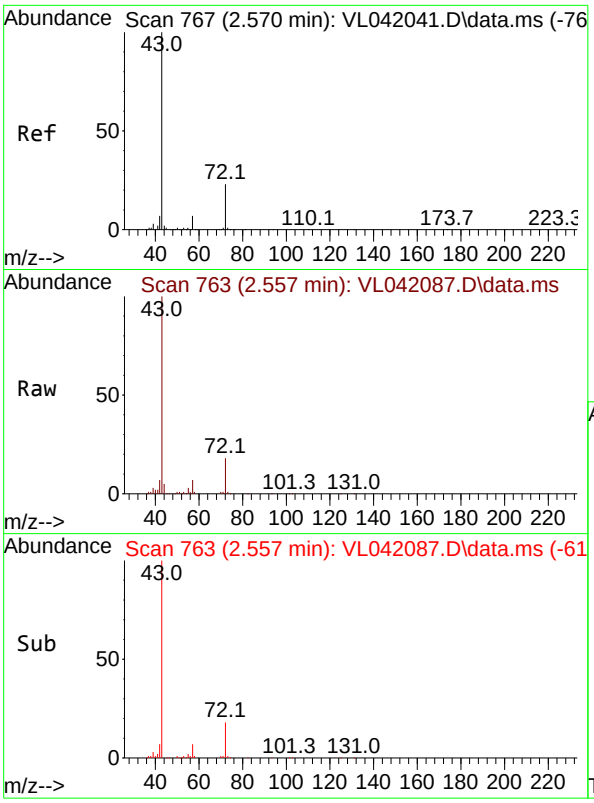


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.023 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion:114 Resp: 351741

Ion	Ratio	Lower	Upper
114	100		
63	26.9	20.1	30.1
88	18.5	14.3	21.5



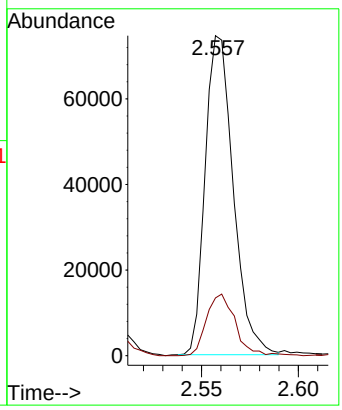


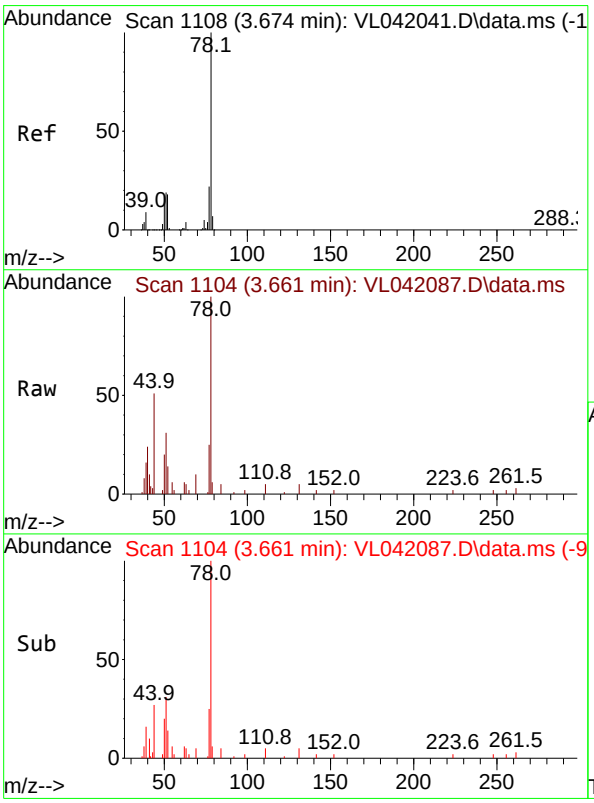
#34
2-Butanone
Concen: 2.747 ppbv
RT: 2.557 min Scan# 7
Delta R.T. -0.013 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 43 Resp: 75267

Ion	Ratio	Lower	Upper
43	100		
72	20.0	18.5	27.7

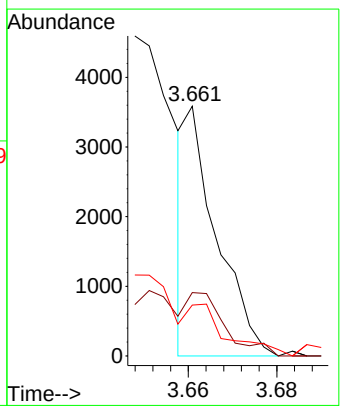


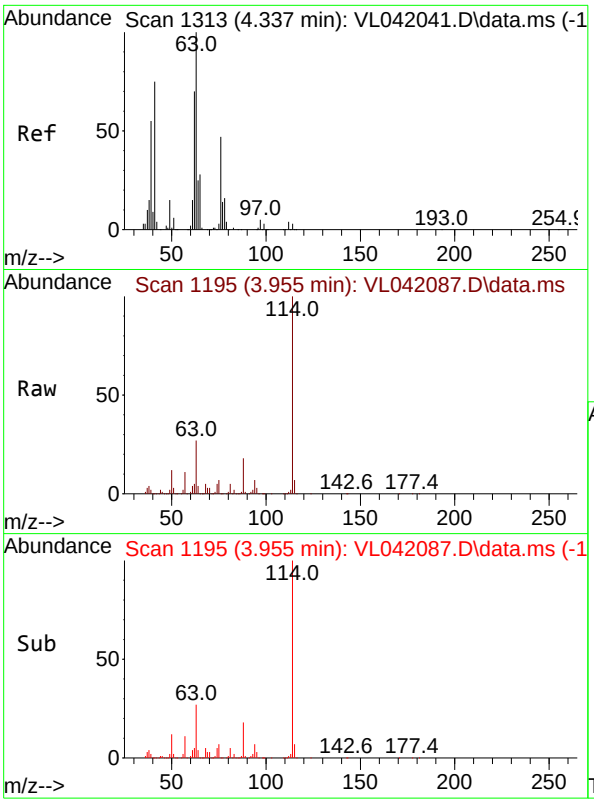


#36
Benzene
Concen: 0.047 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.013 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 78 Resp: 1738

Ion	Ratio	Lower	Upper
78	100		
77	23.9	17.7	26.5
50	16.8	13.9	20.9



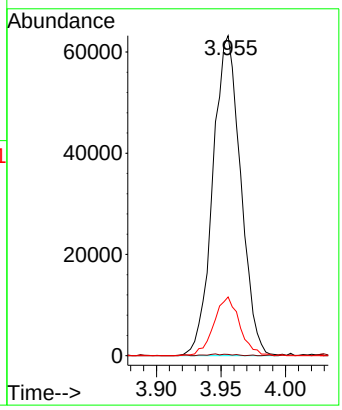


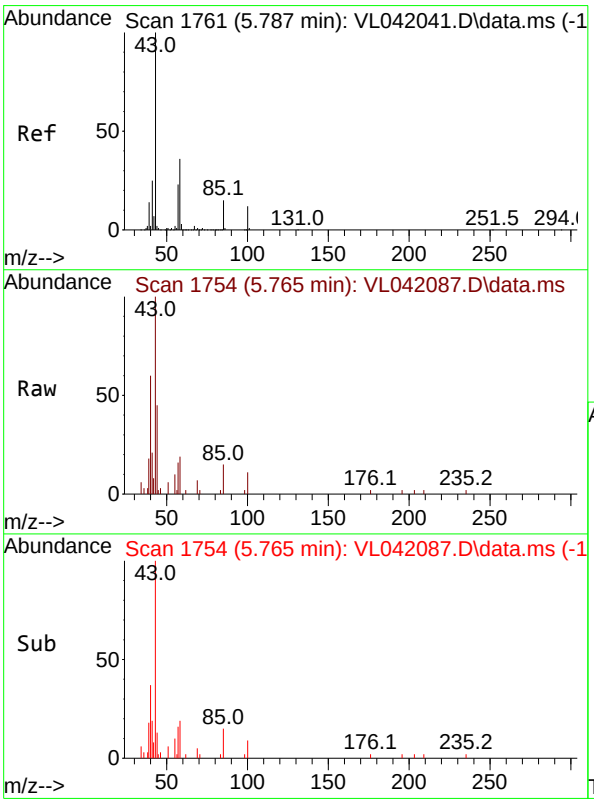
#39
1,2-Dichloropropane
Concen: 6.755 ppbv
RT: 3.955 min Scan# 11
Delta R.T. -0.382 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 63 Resp: 94407

Ion	Ratio	Lower	Upper
63	100		
41	0.5	60.1	90.1#
62	18.4	55.8	83.8#

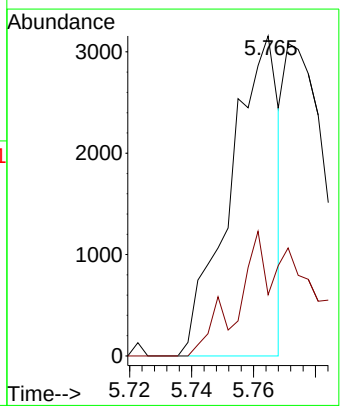


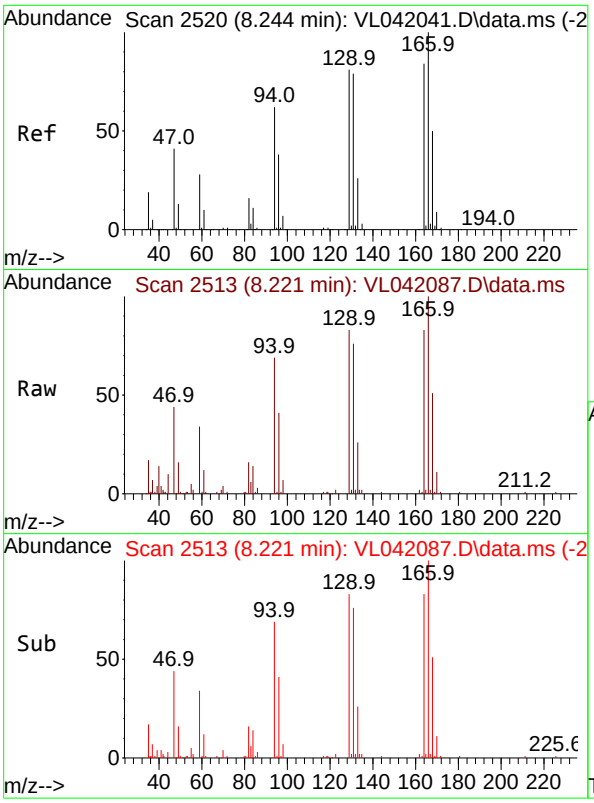


#50
4-Methyl-2-Pentanone
Concen: 0.096 ppbv
RT: 5.765 min Scan# 1754
Delta R.T. -0.023 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 43 Resp: 3412

Ion	Ratio	Lower	Upper
43	100		
58	66.9	29.3	43.9#



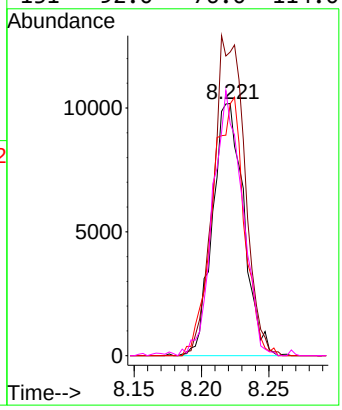


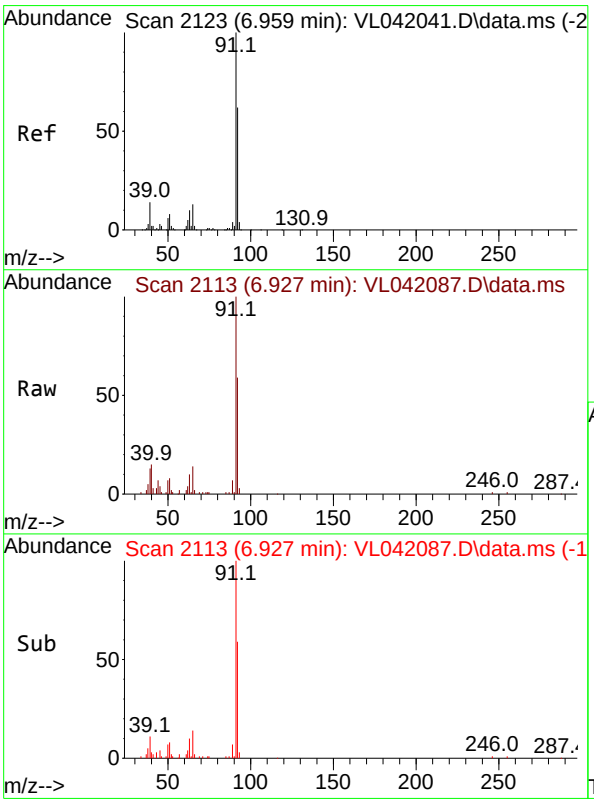
#52
Tetrachloroethene
Concen: 1.297 ppbv
RT: 8.221 min Scan# 2
Delta R.T. -0.023 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion:164 Resp: 16346

Ion	Ratio	Lower	Upper
164	100		
166	120.4	95.7	143.5
129	99.9	77.1	115.7
131	92.0	76.0	114.0

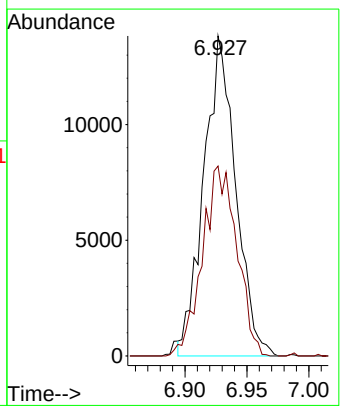


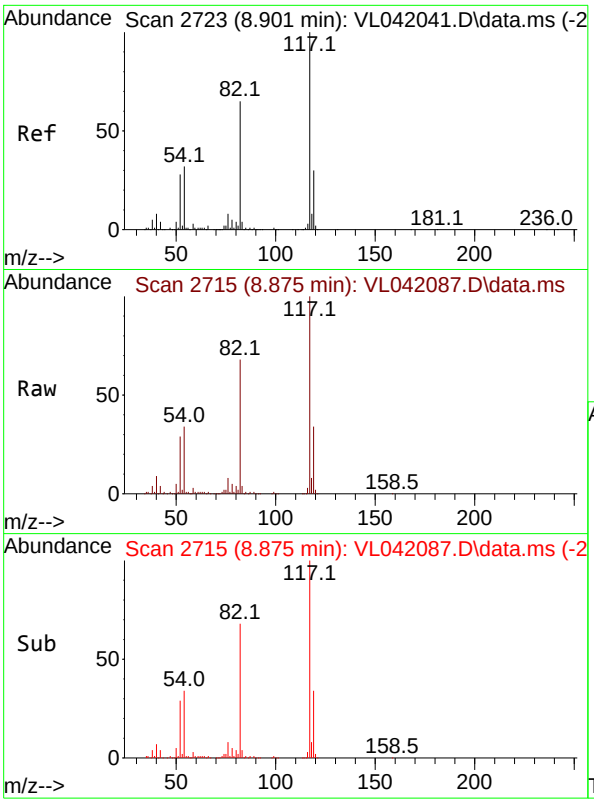


#53
Toluene
Concen: 0.604 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.032 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 91 Resp: 24841

Ion	Ratio	Lower	Upper
91	100		
92	64.2	49.0	73.6



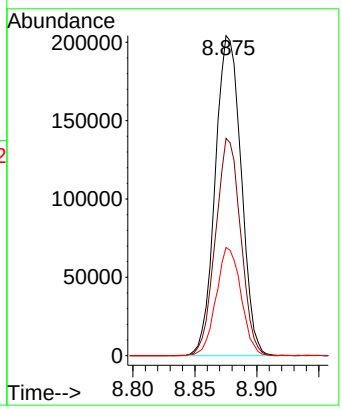


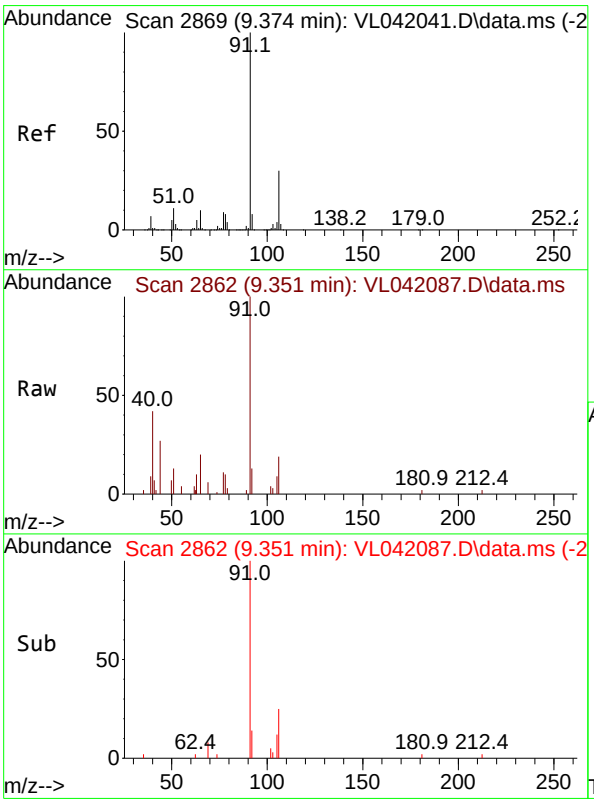
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.026 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion:117 Resp: 297676

Ion	Ratio	Lower	Upper
117	100		
82	66.2	55.0	82.6
119	32.5	25.9	38.9

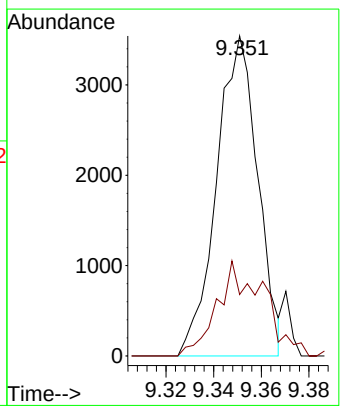


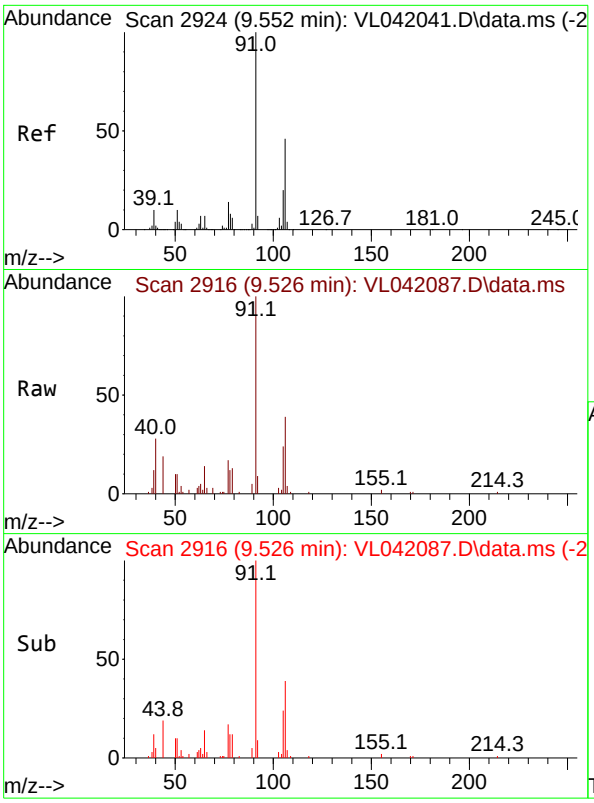


#58
Ethyl Benzene
Concen: 0.077 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.023 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 91 Resp: 4245

Ion	Ratio	Lower	Upper
91	100		
106	19.2	24.2	36.2#



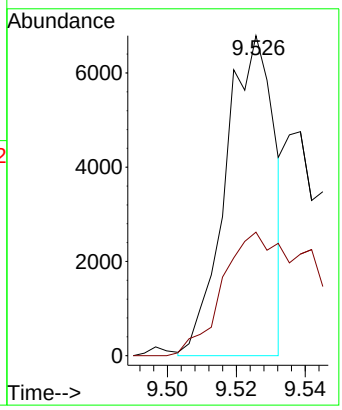


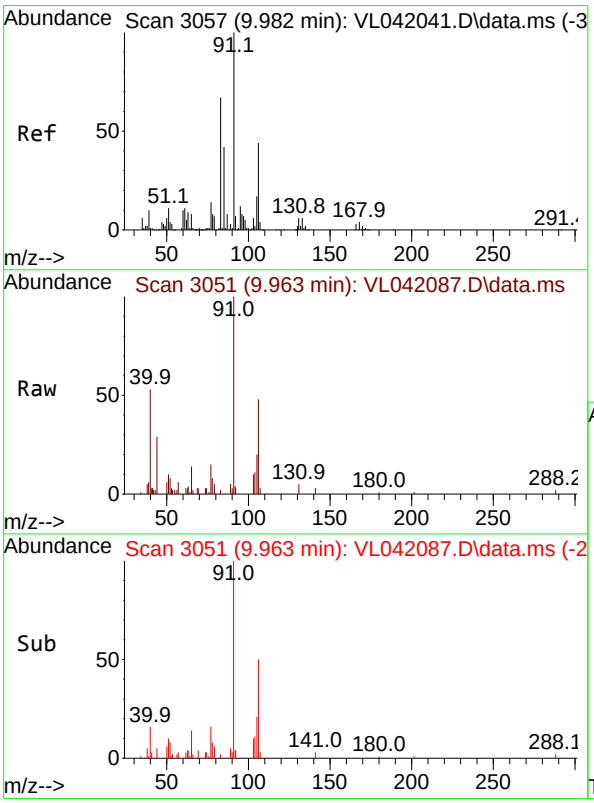
#59
m/p-Xylene
Concen: 0.153 ppbv
RT: 9.526 min Scan# 2
Delta R.T. -0.026 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 91 Resp: 6689

Ion	Ratio	Lower	Upper
91	100		
106	80.5	0.0	0.0#

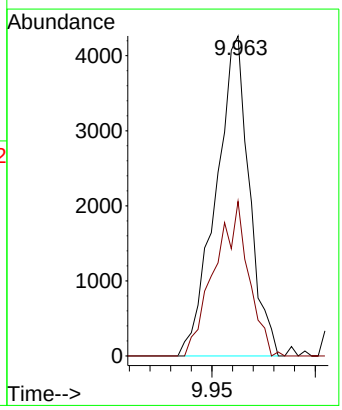


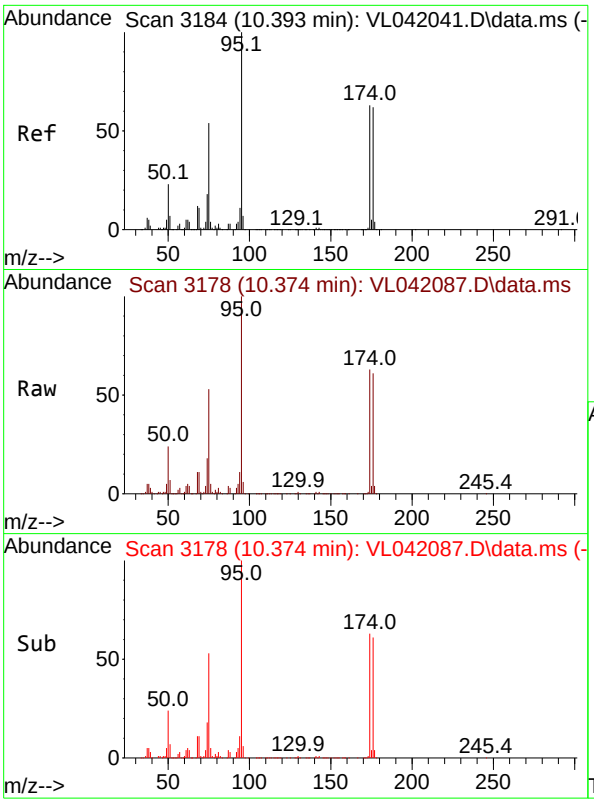


#60
o-Xylene
Concen: 0.109 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.020 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 91 Resp: 4793

Ion	Ratio	Lower	Upper
91	100		
106	49.2	22.3	66.8



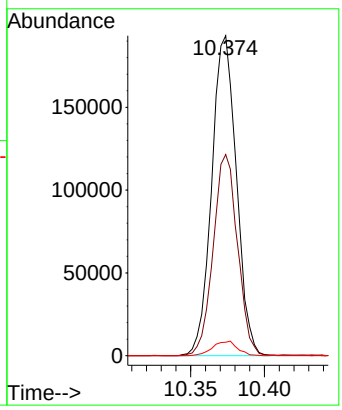


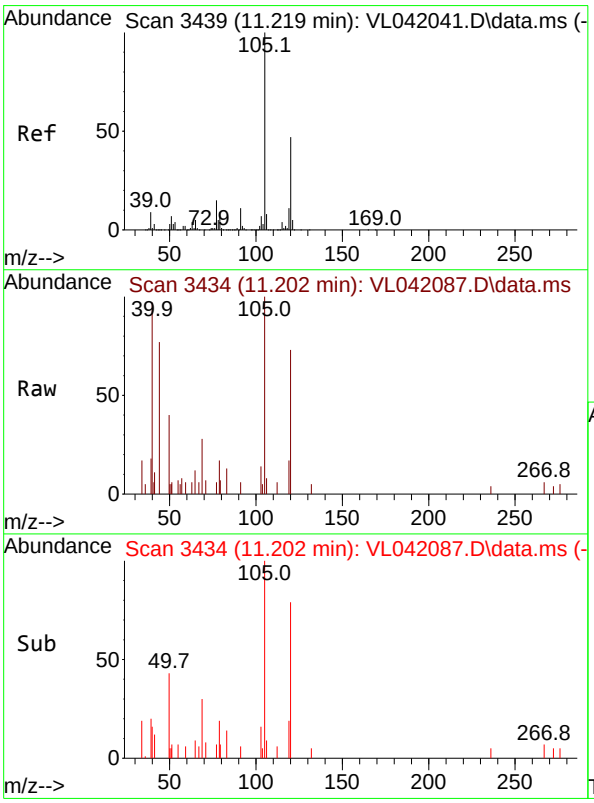
#68
1-Bromo-4-Fluorobenzene
Concen: 9.827 ppbv
RT: 10.374 min Scan# 3
Delta R.T. -0.020 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 95 Resp: 225052

Ion	Ratio	Lower	Upper
95	100		
174	62.2	51.8	77.6
175	4.6	3.9	5.9

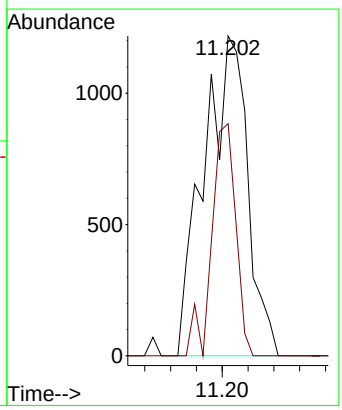


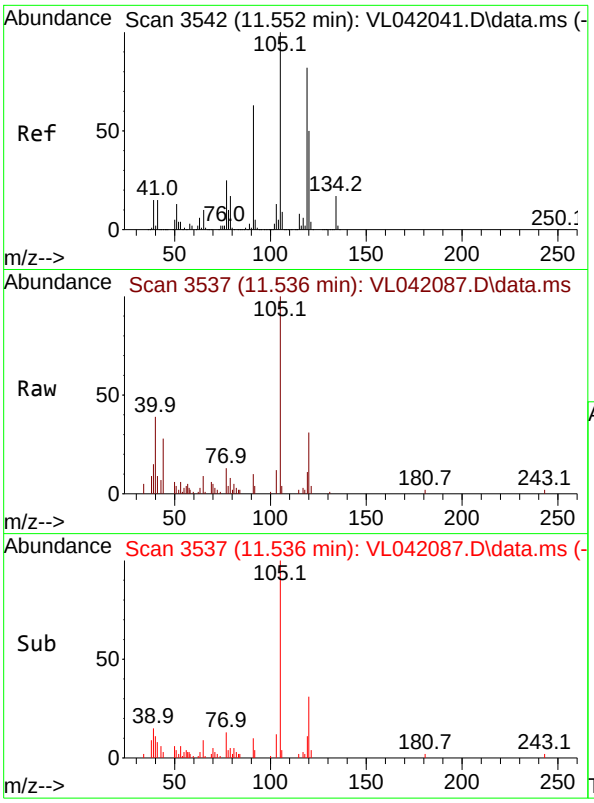


#73
1,3,5-Trimethylbenzene
Concen: 0.031 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. -0.016 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion:105 Resp: 1432

Ion	Ratio	Lower	Upper
105	100		
120	72.6	37.4	56.0#





#74
1,2,4-Trimethylbenzene
Concen: 0.103 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.016 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion:105 Resp: 5413

Ion	Ratio	Lower	Upper
105	100		
120	30.7	40.2	60.2#
91	14.3	51.4	77.2#
77	13.3	20.1	30.1#