Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042135.D
Acq On : 10 Mar 2025 20:35
Operator : SY/MD
Sample : Q1533-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Mar 11 01:30:58 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	2.797	49	156004	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.975	114	363367	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	361132	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	291547	10.494	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	2726	0.168	ppbv		96
9) Propene	1.489	41	15176	1.643	ppbv		87
10) Heptane	5.007	43	11678m	0.406	ppbv		
13) Ethanol	1.725	45	15196	25.916	ppbv		100
15) Acetone	1.842	43	283161	20.553	ppbv		97
17) tert-Butyl alcohol	2.049	59	6767	0.393	ppbv	#	90
20) Methylene Chloride	2.068	84	2081	0.399	ppbv	#	92
26) Hexane	2.836	57	56304	2.526	ppbv	#	32
27) Carbon Disulfide	2.156	76	12486	0.826	ppbv	#	50
34) 2-Butanone	2.570	43	31746	1.121	ppbv		99
36) Benzene	3.674	78	6330	0.166	ppbv	#	90
38) Trichloroethene	4.570	130	1341m	0.086	ppbv		
41) Tetrahydrofuran	3.075	42	7030	0.420	ppbv	#	88
44) 2,2,4-Trimethylpentane	4.658	57	18556m	0.276	ppbv		
52) Tetrachloroethene	8.244	164	65181	5.005	ppbv		93
53) Toluene	6.956	91	56731	1.334	ppbv		99
58) Ethyl Benzene	9.370	91	17744	0.267	ppbv		93
59) m/p-Xylene	9.545	91	40168	0.759	ppbv	#	100
60) o-Xylene	9.979	91	27711	0.521	ppbv		98
74) 1,2,4-Trimethylbenzene	11.549	105	26398m	0.416	ppbv		

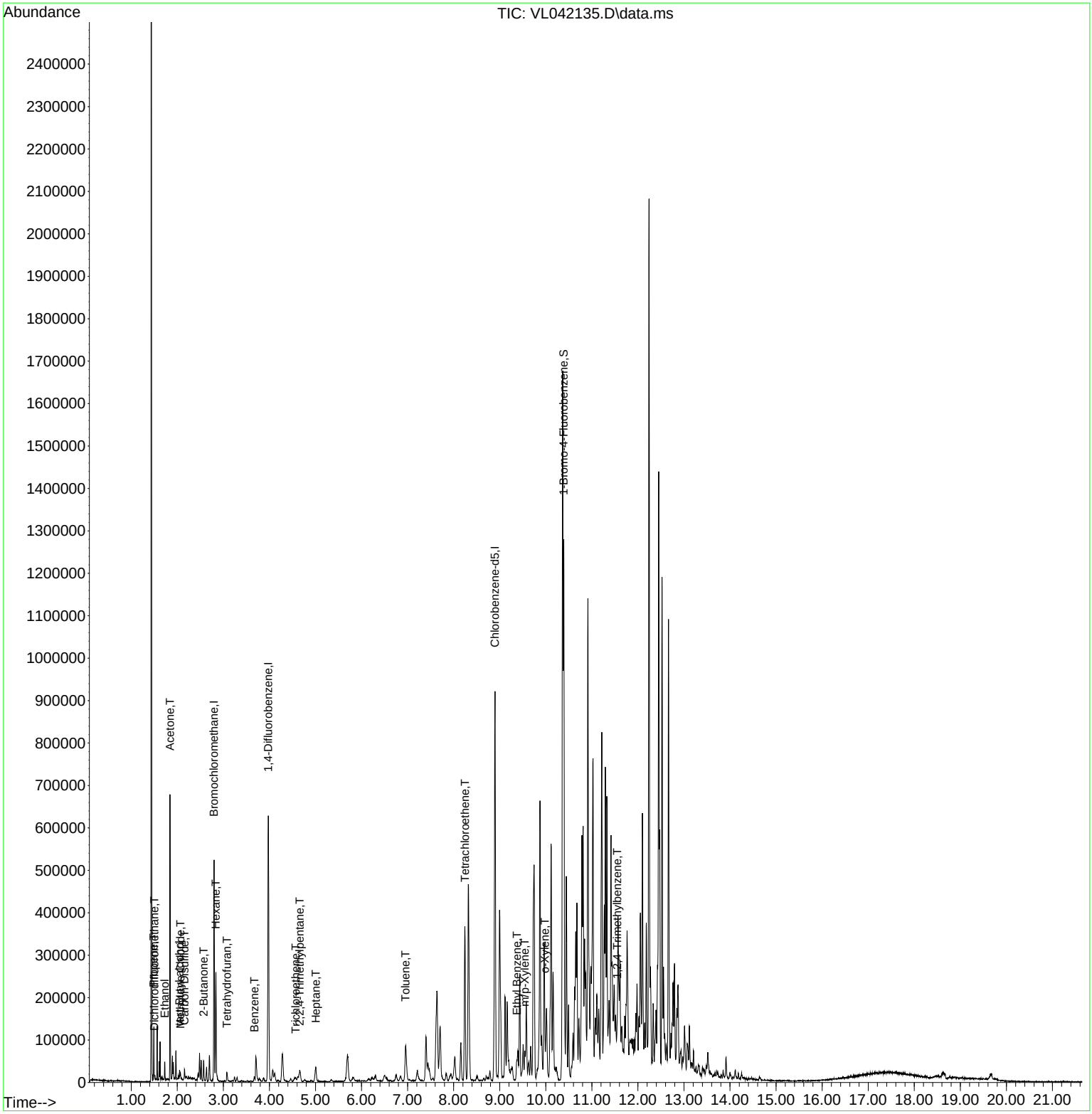
(#) = qualifier out of range (m) = manual integration (+) = signals summed

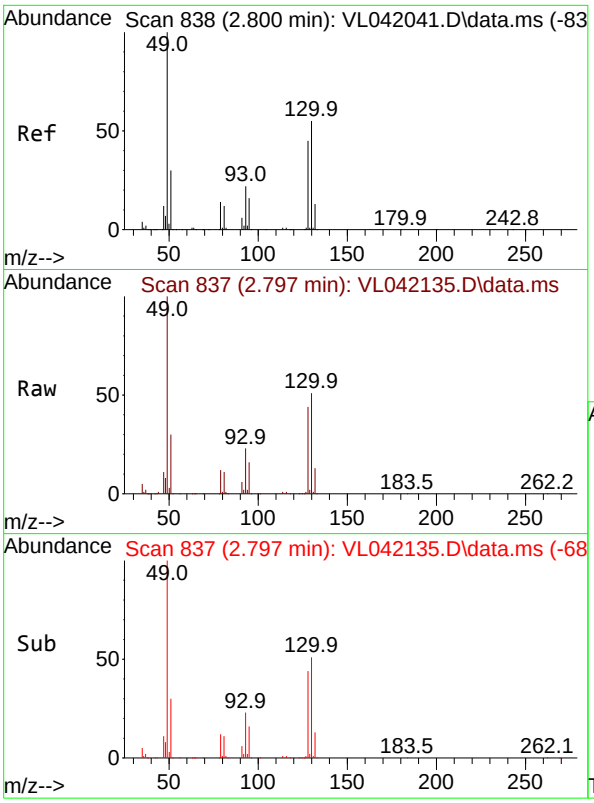
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042135.D
Acq On : 10 Mar 2025 20:35
Operator : SY/MD
Sample : Q1533-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Mar 11 01:30:58 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



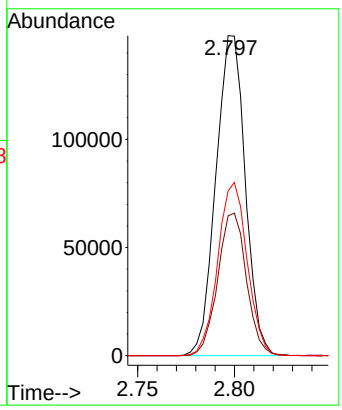


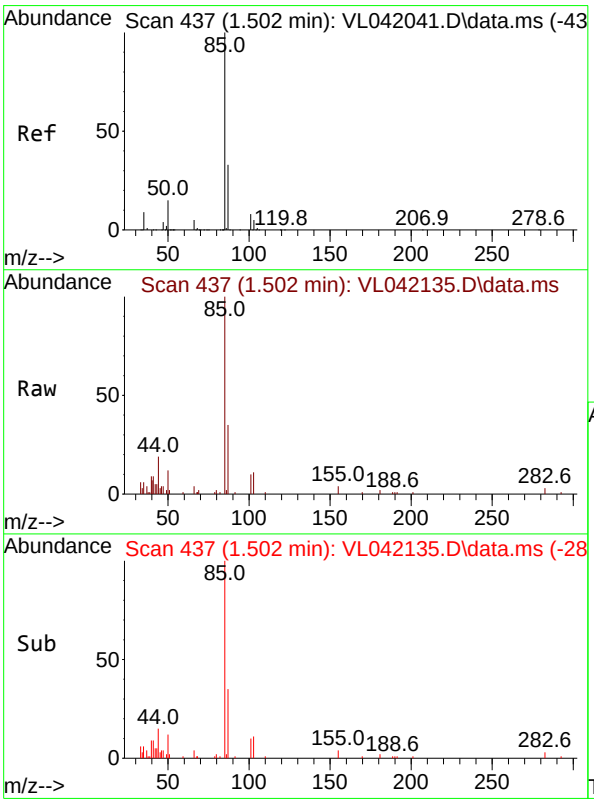
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 156004

Ion	Ratio	Lower	Upper
49	100		
128	43.7	21.6	64.8
130	54.4	27.8	83.4

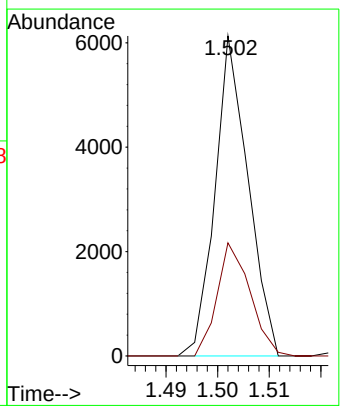


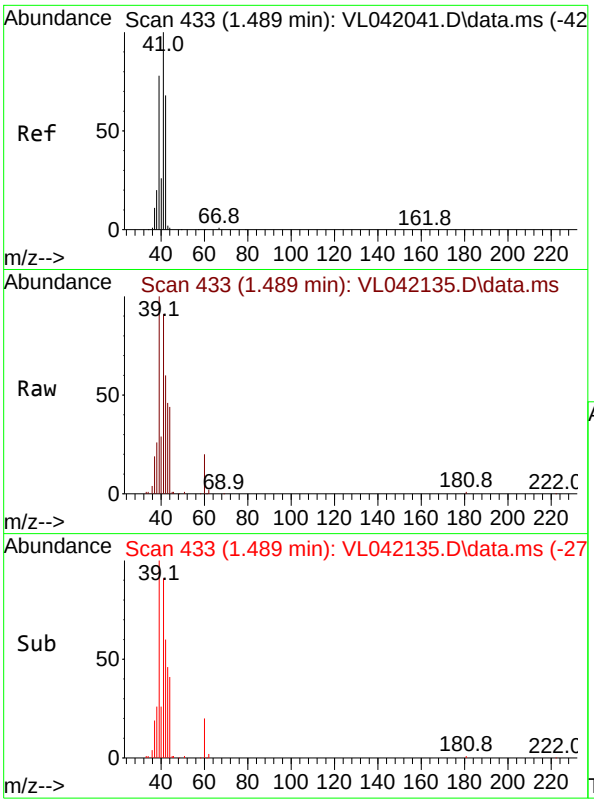


#2
Dichlorodifluoromethane
Concen: 0.168 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 85 Resp: 2726

Ion	Ratio	Lower	Upper
85	100		
87	35.4	26.4	39.6



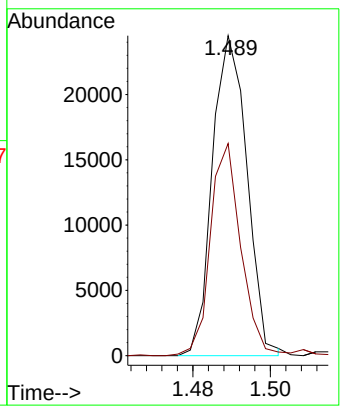


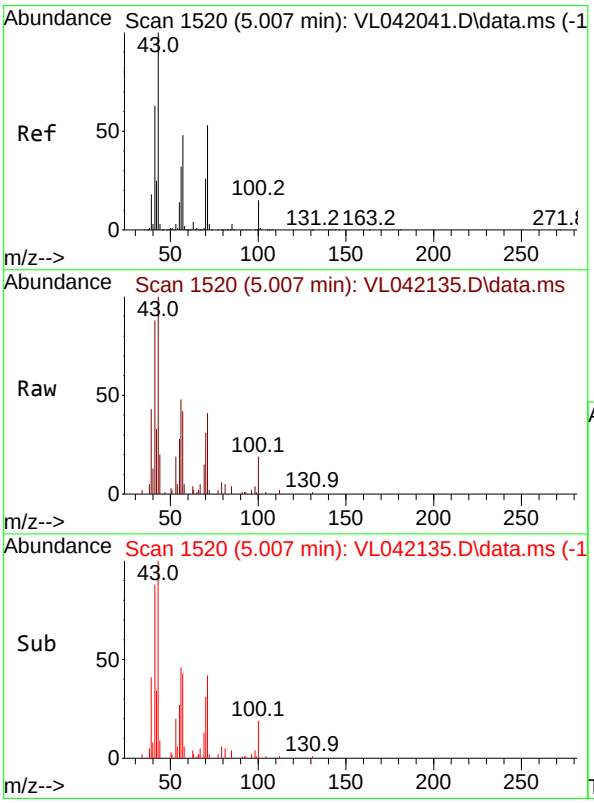
#9
Propene
Concen: 1.643 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 41 Resp: 15176

Ion	Ratio	Lower	Upper
41	100		
42	59.5	55.8	83.6

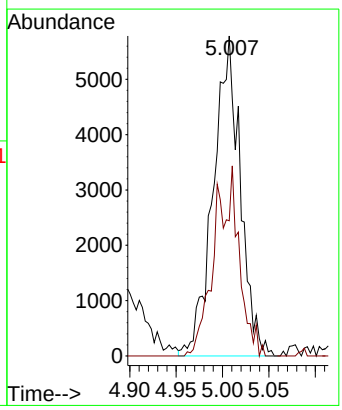


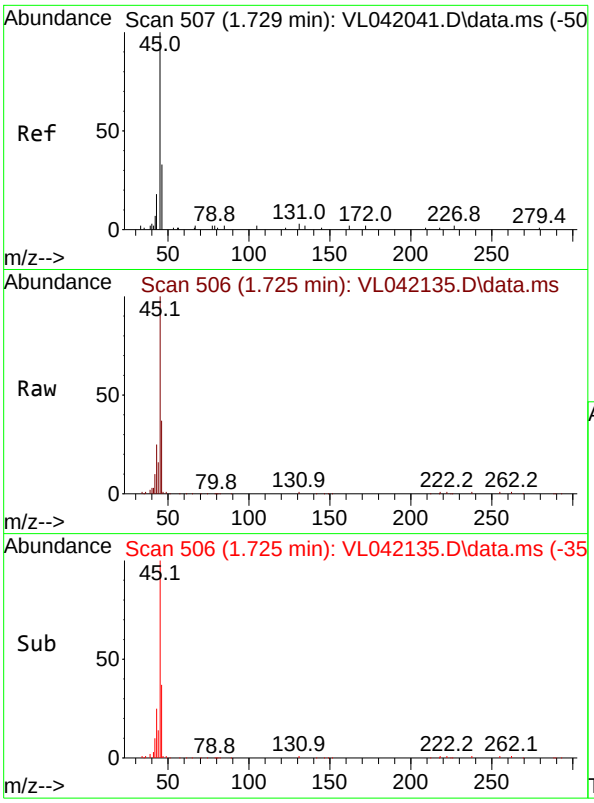


#10
Heptane
Concen: 0.406 ppbv m
RT: 5.007 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 43 Resp: 11678

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.4	59.0#



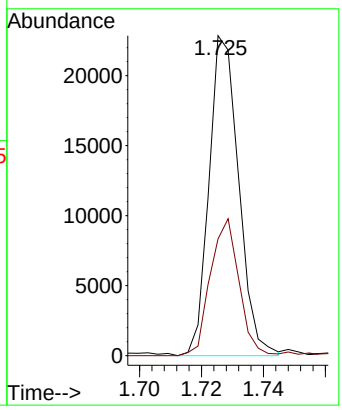


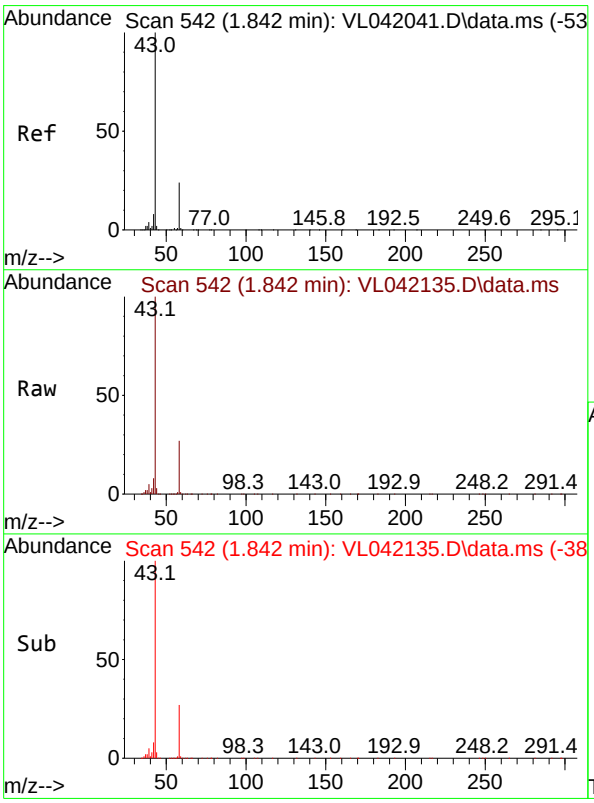
#13
Ethanol
Concen: 25.916 ppbv
RT: 1.725 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 15196

Ion	Ratio	Lower	Upper
45	100		
46	42.9	17.1	68.3

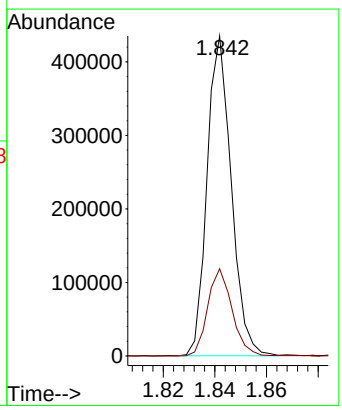


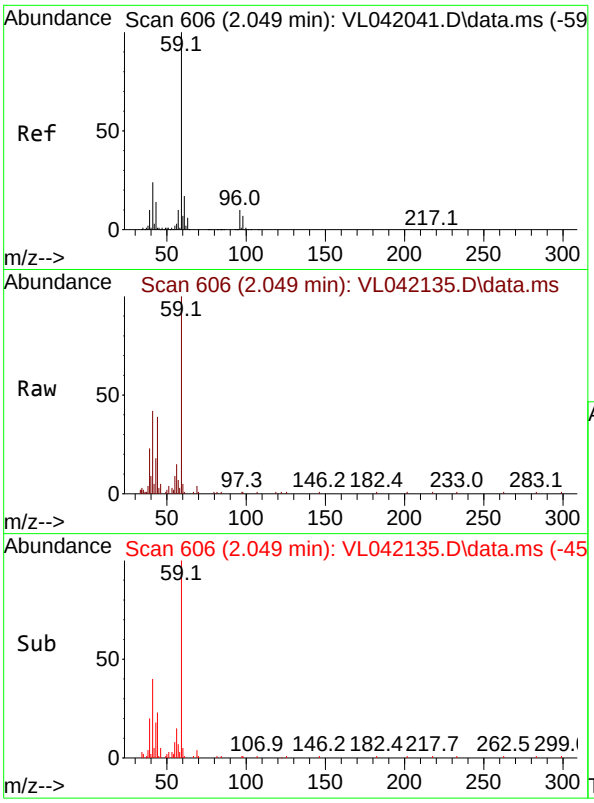


#15
Acetone
Concen: 20.553 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 43 Resp: 283161

Ion	Ratio	Lower	Upper
43	100		
58	27.6	20.7	31.1



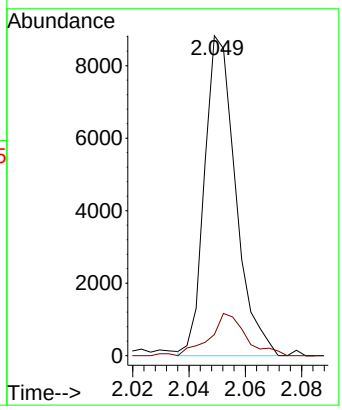


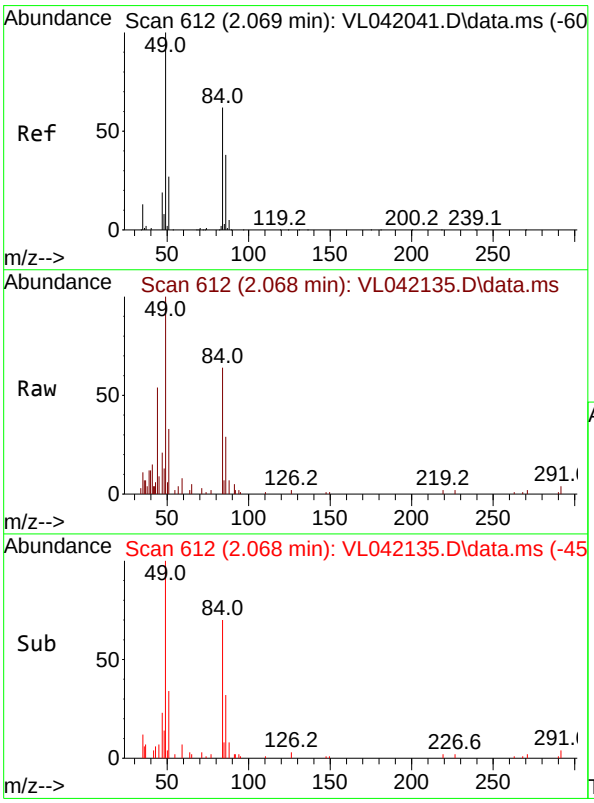
#17
tert-Butyl alcohol
Concen: 0.393 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 59 Resp: 6767

Ion	Ratio	Lower	Upper
59	100		
57	15.3	9.3	13.9#

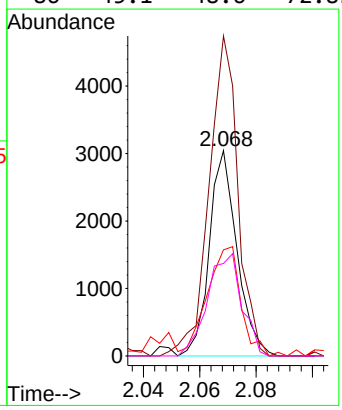


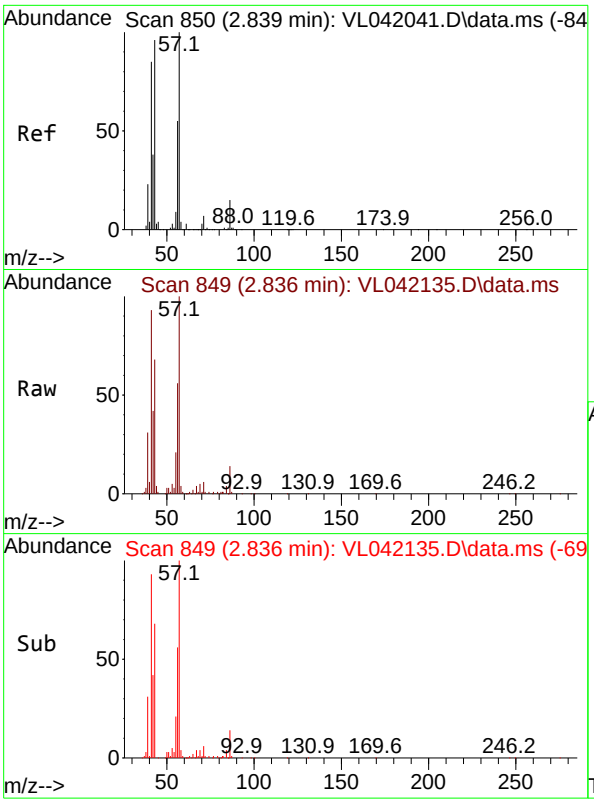


#20
Methylene Chloride
Concen: 0.399 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 84 Resp: 2081

Ion	Ratio	Lower	Upper
84	100		
49	155.9	130.0	195.0
51	49.9	37.4	56.0
86	45.1	48.6	72.8#



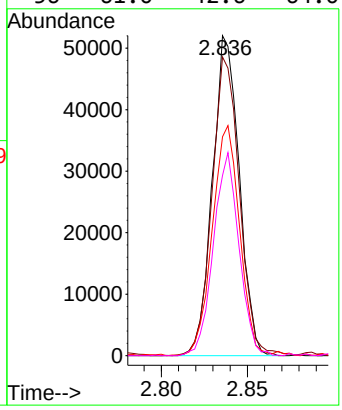


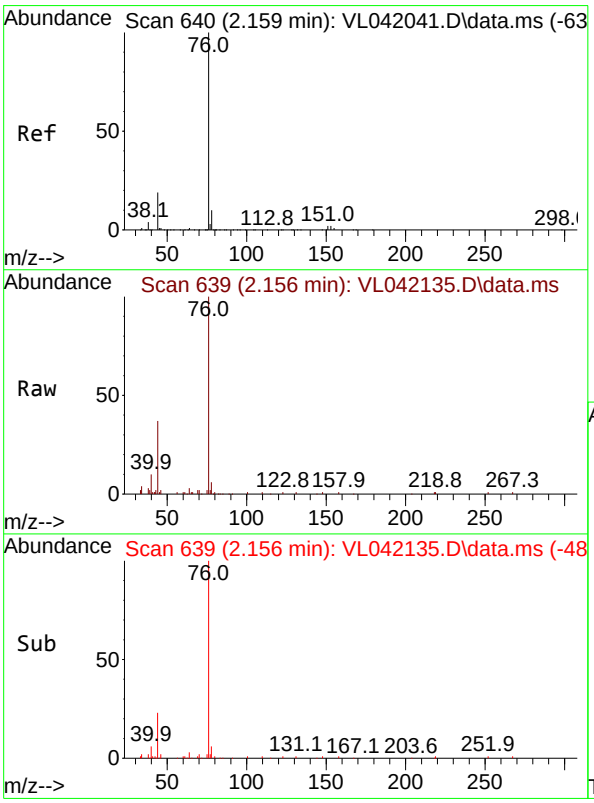
#26
Hexane
Concen: 2.526 ppbv
RT: 2.836 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 57 Resp: 56304

Ion	Ratio	Lower	Upper
57	100		
41	96.1	70.6	106.0
43	73.9	199.4	299.0#
56	61.0	42.6	64.0

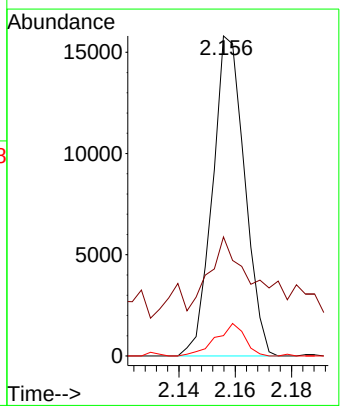


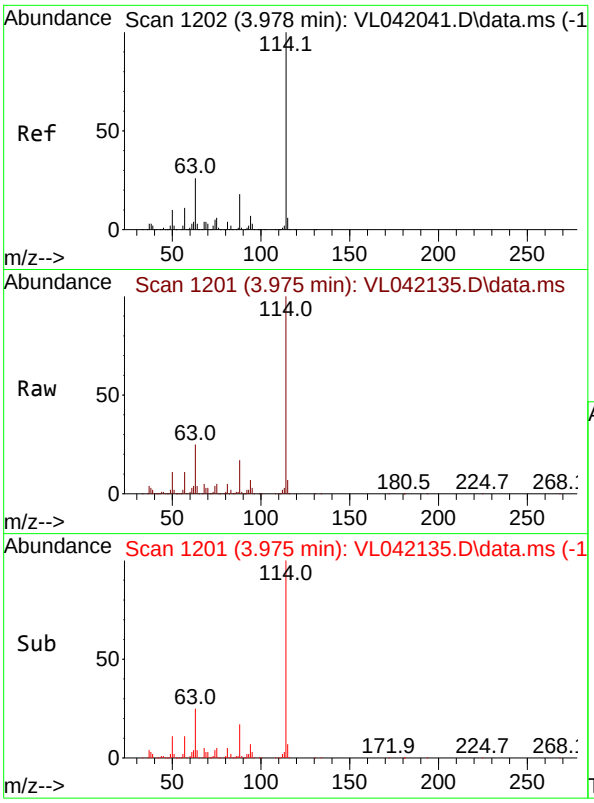


#27
Carbon Disulfide
Concen: 0.826 ppbv
RT: 2.156 min Scan# 639
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 76 Resp: 12486

Ion	Ratio	Lower	Upper
76	100		
44	55.0	16.2	24.2#
78	9.7	9.4	14.0



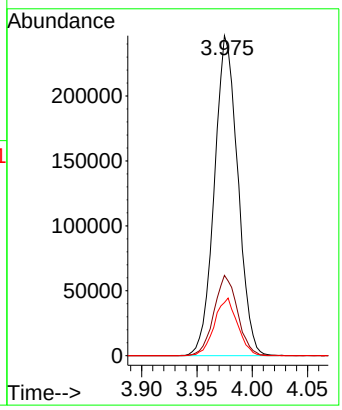


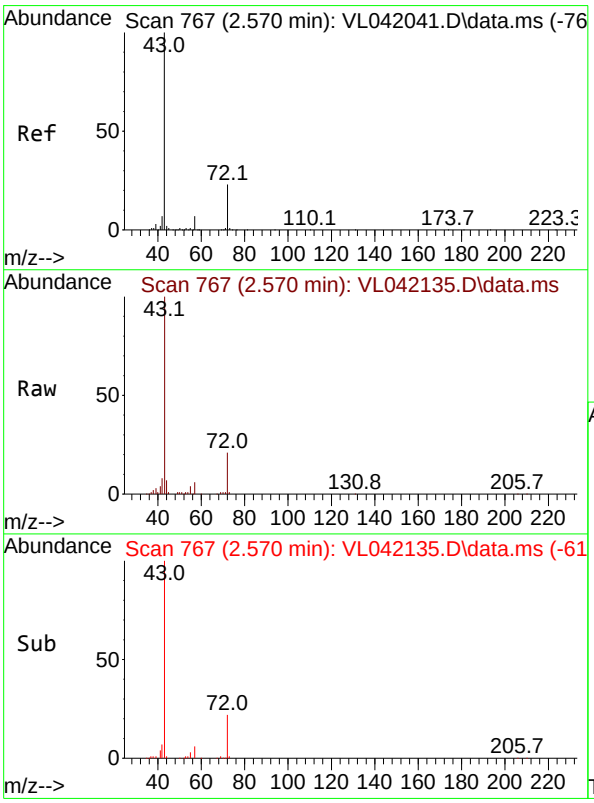
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:114 Resp: 363367

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.1	30.1
88	17.7	14.3	21.5

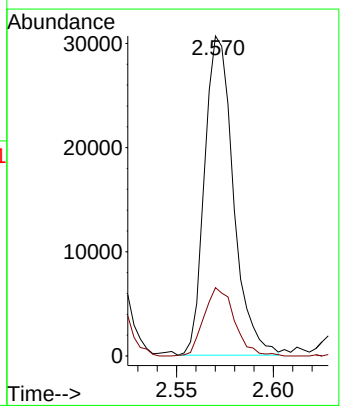


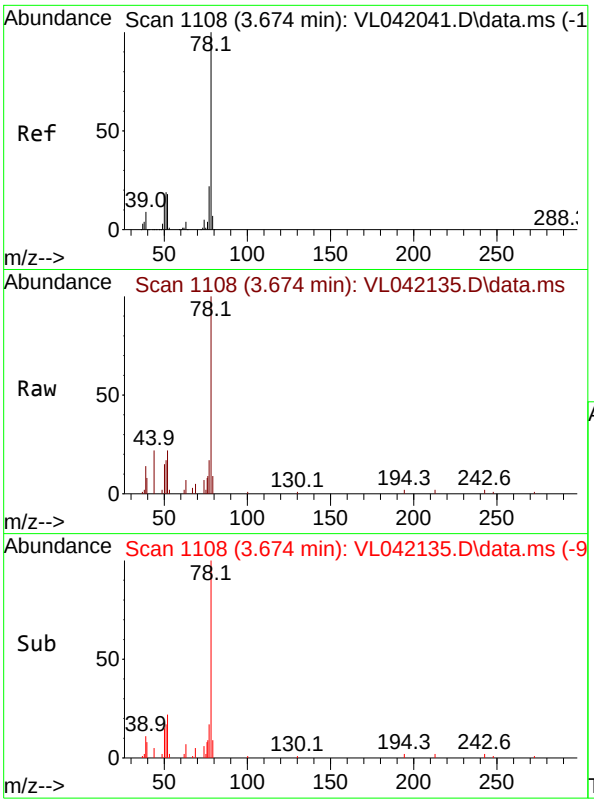


#34
2-Butanone
Concen: 1.121 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 43 Resp: 31746

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.5	27.7



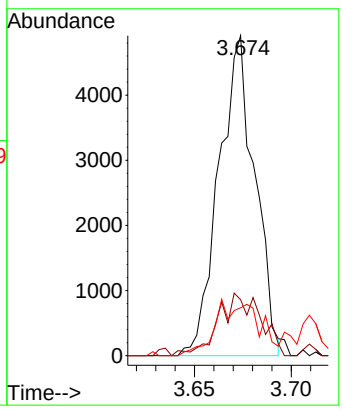


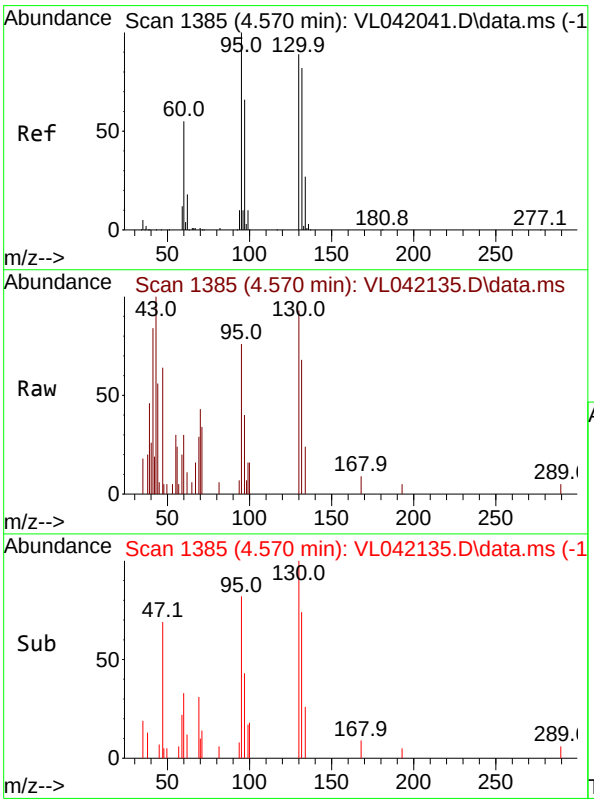
#36
Benzene
Concen: 0.166 ppbv
RT: 3.674 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 78 Resp: 6330

Ion	Ratio	Lower	Upper
78	100		
77	15.9	17.7	26.5#
50	14.9	13.9	20.9

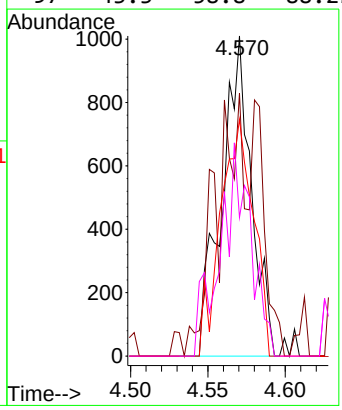


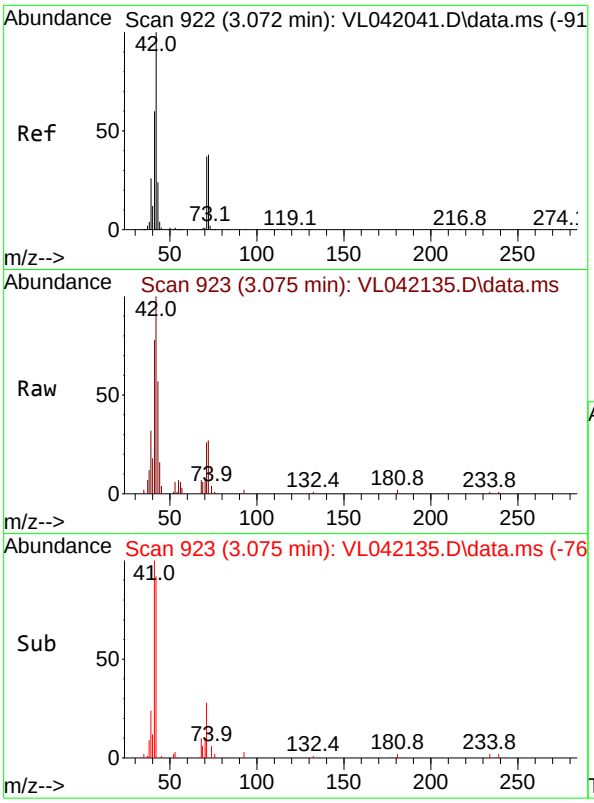


#38
Trichloroethene
Concen: 0.086 ppbv m
RT: 4.570 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion:130 Resp: 1341

Ion	Ratio	Lower	Upper
130	100		
95	82.2	89.5	134.3#
132	74.0	73.8	110.6
97	43.3	58.8	88.2#



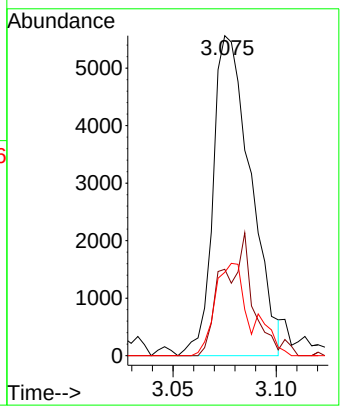


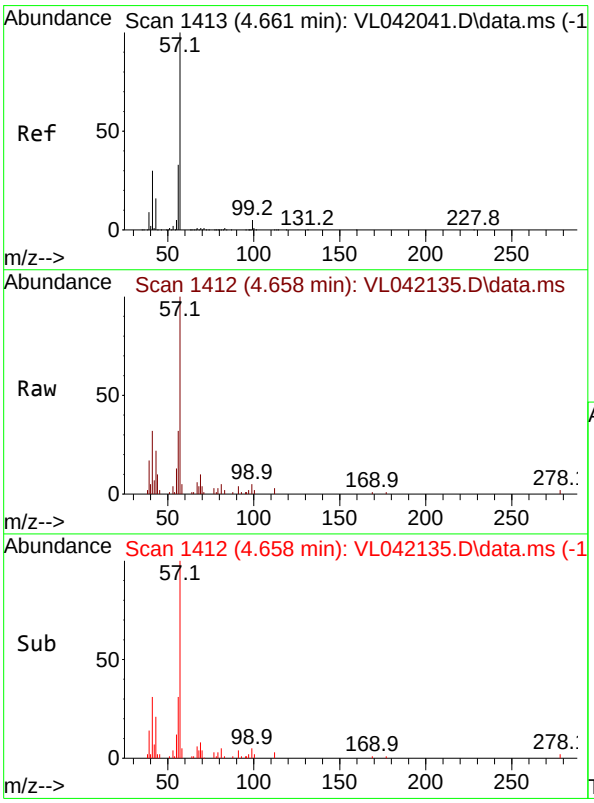
#41
Tetrahydrofuran
Concen: 0.420 ppbv
RT: 3.075 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 42 Resp: 7030

Ion	Ratio	Lower	Upper
42	100		
72	31.4	30.2	45.2
71	27.6	28.2	42.4#

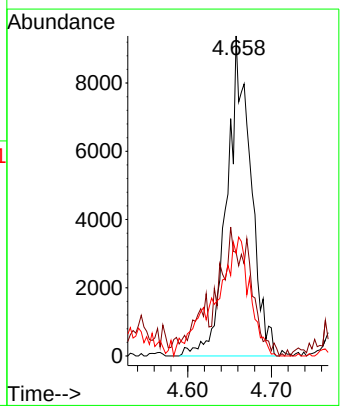


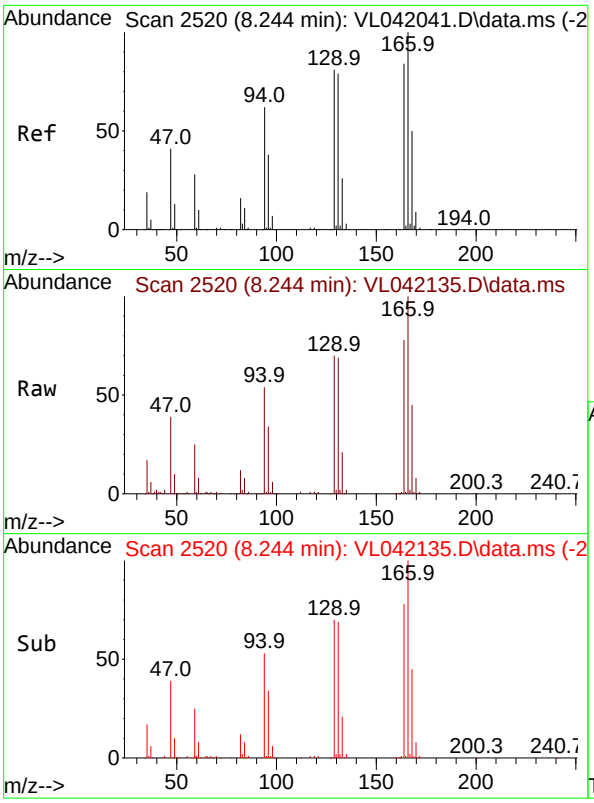


#44
2,2,4-Trimethylpentane
Concen: 0.276 ppbv m
RT: 4.658 min Scan# 1412
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 57 Resp: 18556

Ion	Ratio	Lower	Upper
57	100		
41	59.1	24.4	36.6#
56	55.2	26.5	39.7#



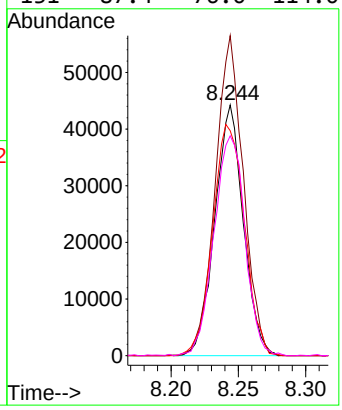


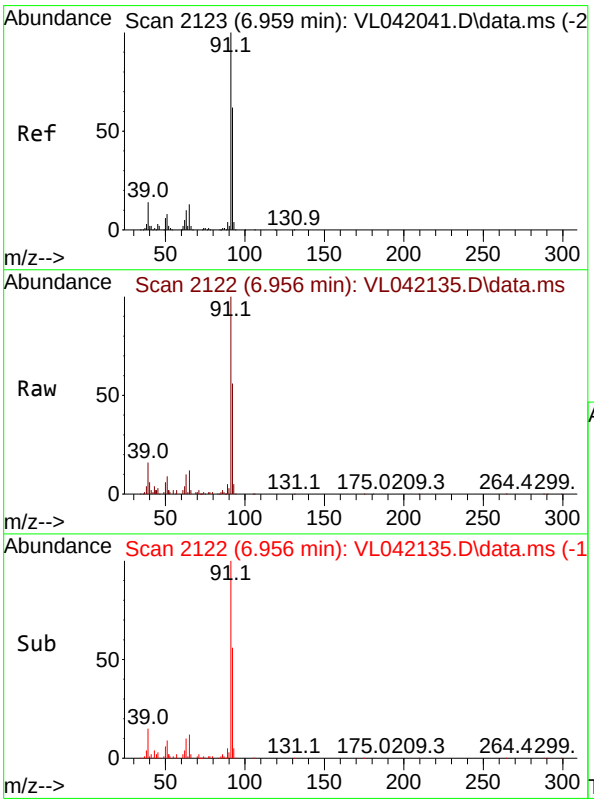
#52
Tetrachloroethene
Concen: 5.005 ppbv
RT: 8.244 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:164 Resp: 65181

Ion	Ratio	Lower	Upper
164	100		
166	127.6	95.7	143.5
129	89.6	77.1	115.7
131	87.4	76.0	114.0

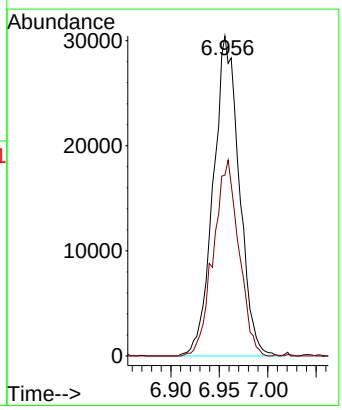


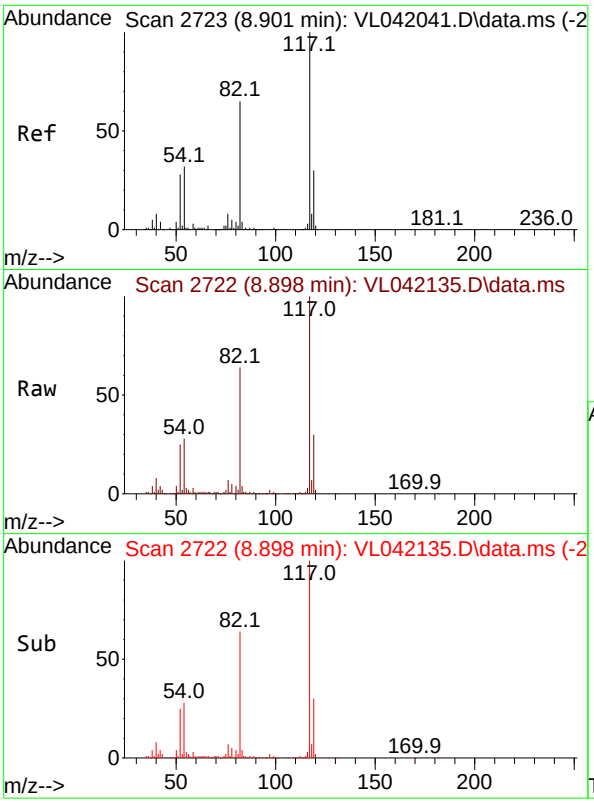


#53
Toluene
Concen: 1.334 ppbv
RT: 6.956 min Scan# 2122
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 91 Resp: 56731

Ion	Ratio	Lower	Upper
91	100		
92	60.5	49.0	73.6



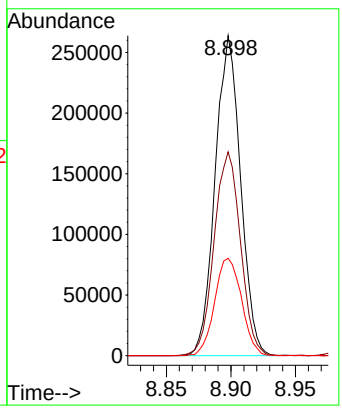


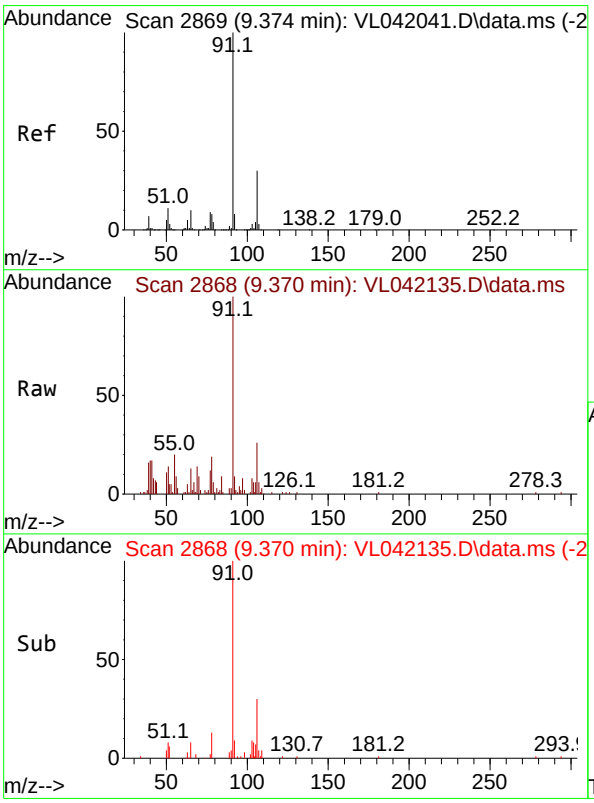
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:117 Resp: 361132

Ion	Ratio	Lower	Upper
117	100		
82	66.1	55.0	82.6
119	32.2	25.9	38.9

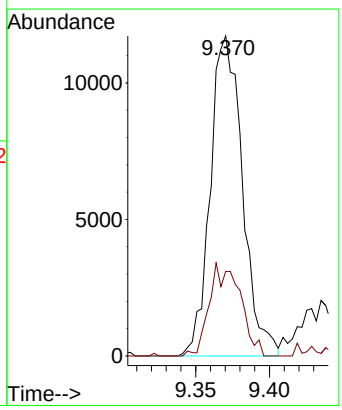


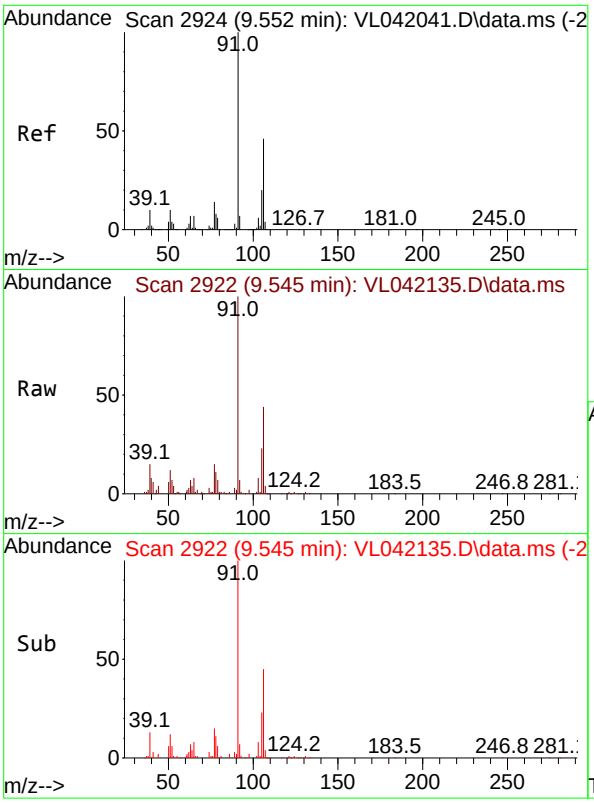


#58
Ethyl Benzene
Concen: 0.267 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 91 Resp: 17744

Ion	Ratio	Lower	Upper
91	100		
106	26.5	24.2	36.2



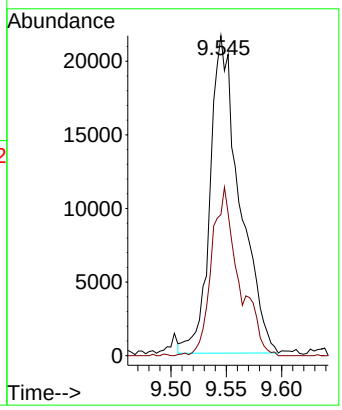


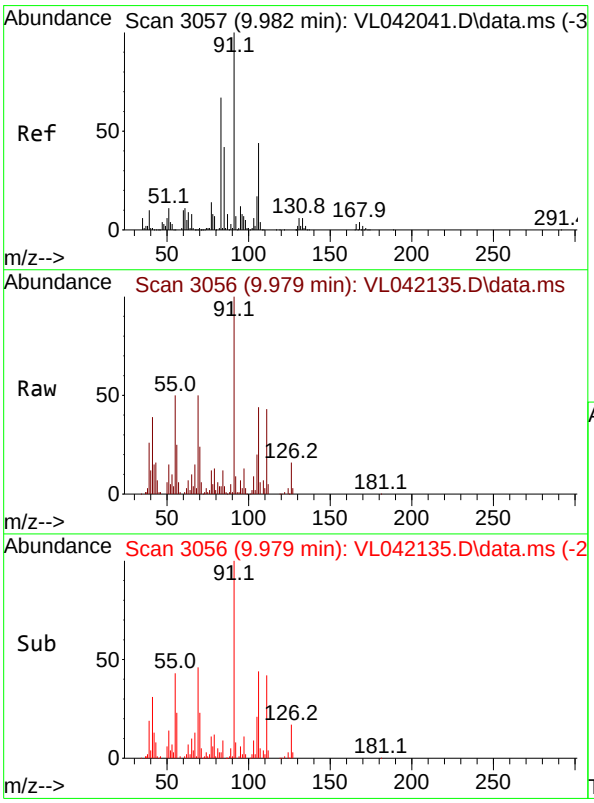
#59
m/p-Xylene
Concen: 0.759 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 40168

Ion	Ratio	Lower	Upper
91	100		
106	48.9	0.0	0.0#

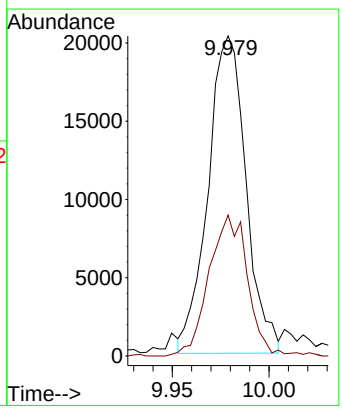


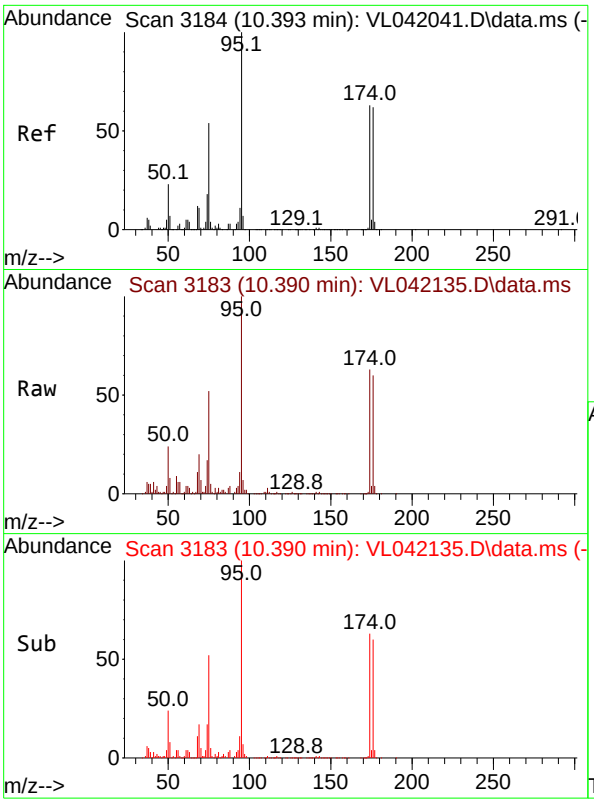


#60
o-Xylene
Concen: 0.521 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion: 91 Resp: 27711

Ion	Ratio	Lower	Upper
91	100		
106	45.6	22.3	66.8



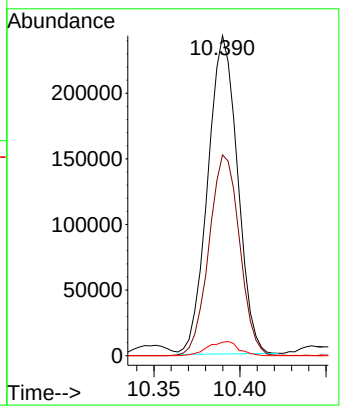


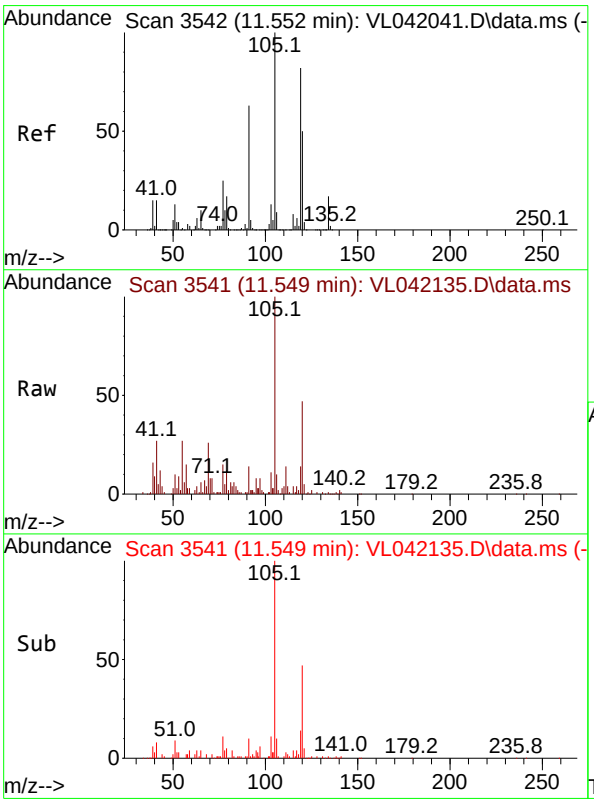
#68
1-Bromo-4-Fluorobenzene
Concen: 10.494 ppbv
RT: 10.390 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 95 Resp: 291547

Ion	Ratio	Lower	Upper
95	100		
174	65.0	51.8	77.6
175	4.6	3.9	5.9





#74
1,2,4-Trimethylbenzene
Concen: 0.416 ppbv m
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042135.D
Acq: 10 Mar 2025 20:35

Tgt Ion:105 Resp: 26398

Ion	Ratio	Lower	Upper
105	100		
120	46.9	40.2	60.2
91	13.7	51.4	77.2#
77	15.2	20.1	30.1#