Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021125\
Data File : VL041998.D
Acq On : 11 Feb 2025 11:39
Operator : SY/MD
Sample : Q1342-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Feb 11 22:18:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.780	49	163540	10.000	ppbv		-0.02
33) 1,4-Difluorobenzene	3.949	114	454250	10.000	ppbv		-0.03
55) Chlorobenzene-d5	8.872	117	398767	10.000	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.367	95	323329	10.294	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	8116	0.364	ppbv		93
3) Chlorodifluoromethane	1.463	51	33402	1.431	ppbv	#	71
4) Chloromethane	1.531	50	4224	0.504	ppbv	#	89
7) Chloroethane	1.699	64	148	0.045	ppbv	#	43
9) Propene	1.483	41	6238	0.649	ppbv		96
10) Heptane	4.968	43	7115	0.277	ppbv		96
11) Trichlorofluoromethane	1.874	101	4423	0.191	ppbv	#	79
12) 1,1,2-Trichlorotrifluo...	2.136	101	1286	0.071	ppbv		87
13) Ethanol	1.719	45	84552	120.078	ppbv		90
15) Acetone	1.832	43	69626	3.545	ppbv		98
16) 1,3-Butadiene	1.599	39	1661	0.188	ppbv	#	57
19) Isopropyl Alcohol	1.884	45	30975	2.660	ppbv	#	75
20) Methylene Chloride	2.059	84	1849	0.238	ppbv	#	92
23) Vinyl Acetate	2.454	43	2726	0.280	ppbv	#	57
25) Ethyl Acetate	2.832	43	3256	0.061	ppbv	#	80
26) Hexane	2.819	57	6857	0.327	ppbv	#	51
29) Chloroform	2.842	83	5393	0.163	ppbv		94
30) Cyclohexane	3.842	84	3488	0.192	ppbv	#	1
34) 2-Butanone	2.560	43	5549	0.192	ppbv	#	88
35) Carbon Tetrachloride	3.755	117	1320	0.046	ppbv		85
36) Benzene	3.648	78	14133	0.339	ppbv		96
39) 1,2-Dichloropropane	3.949	63	112540	7.701	ppbv	#	22
53) Toluene	6.920	91	23101	0.509	ppbv		97
58) Ethyl Benzene	9.348	91	6500	0.104	ppbv	#	85
59) m/p-Xylene	9.545	91	2121	0.042	ppbv	#	31
60) o-Xylene	9.522	91	13602	0.274	ppbv		80
64) n-propylbenzene	10.985	120	647	0.033	ppbv		96
72) 4-Ethyltoluene	11.118	105	2128	0.036	ppbv	#	59
73) 1,3,5-Trimethylbenzene	11.199	105	2093	0.040	ppbv	#	80
74) 1,2,4-Trimethylbenzene	11.529	105	5608	0.099	ppbv	#	69
76) 1,4-Dichlorobenzene	11.665	146	2158	0.066	ppbv		85
77) 1,2-Dichlorobenzene	11.665	146	2158	0.065	ppbv		88
79) Naphthalene	13.510	128	3653	0.064	ppbv	#	95

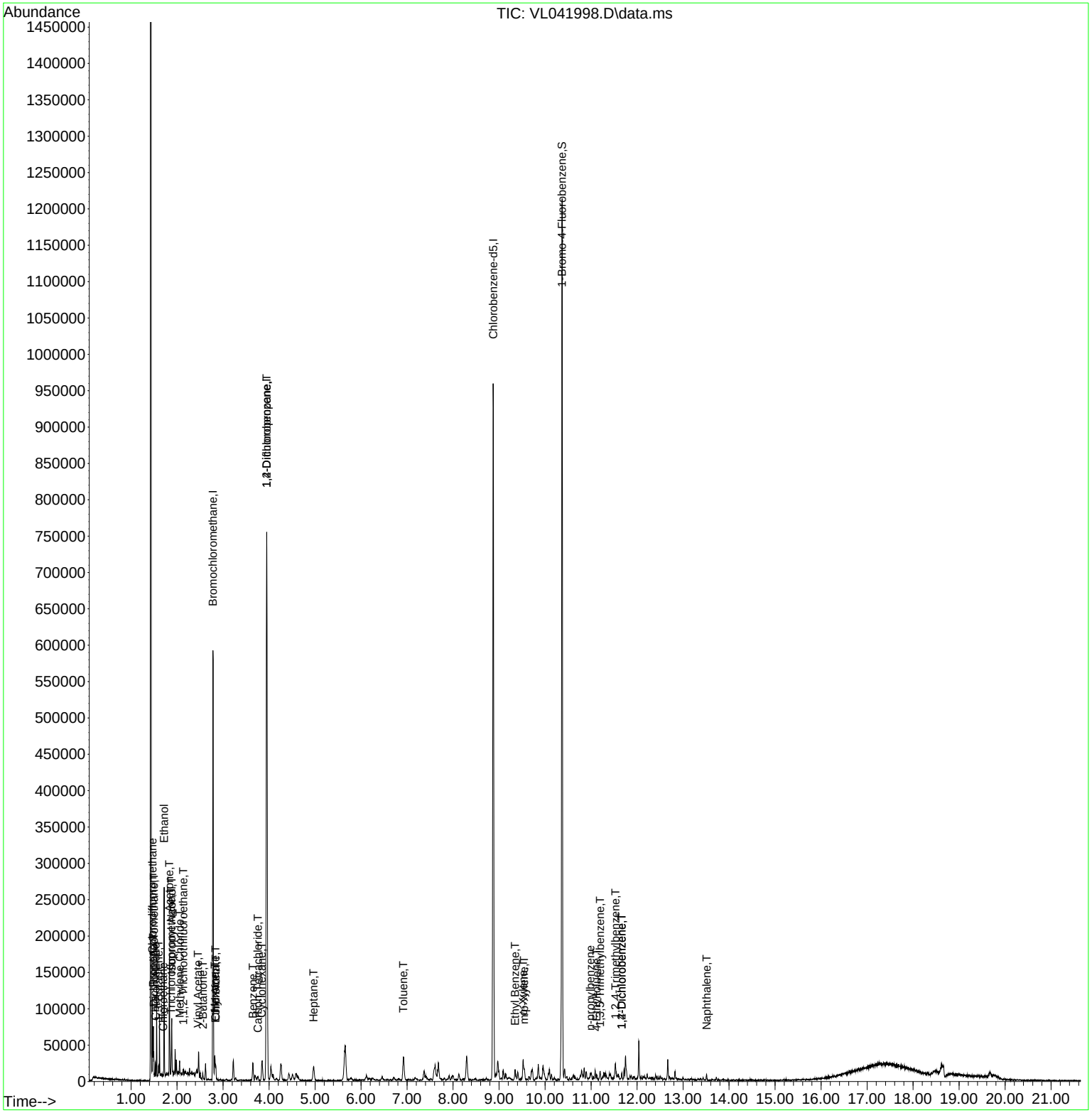
(#) = qualifier out of range (m) = manual integration (+) = signals summed

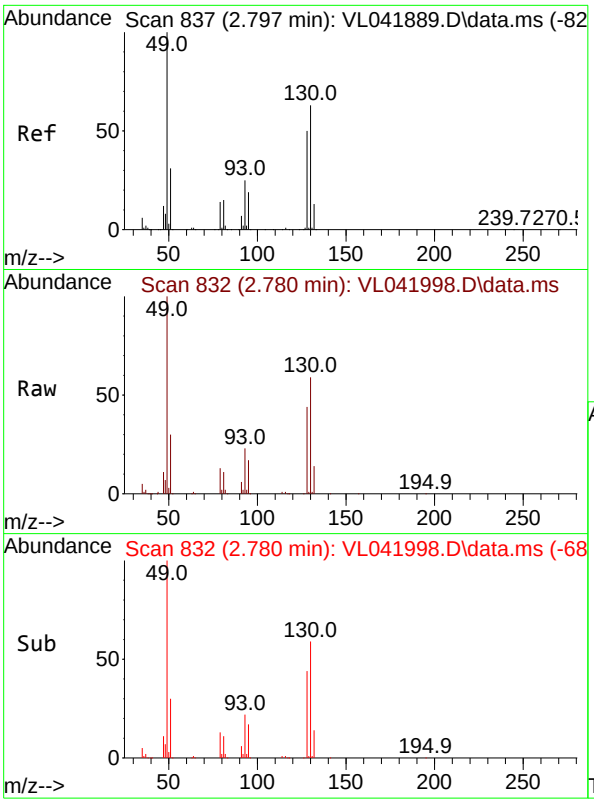
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021125\
Data File : VL041998.D
Acq On : 11 Feb 2025 11:39
Operator : SY/MD
Sample : Q1342-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Feb 11 22:18:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration



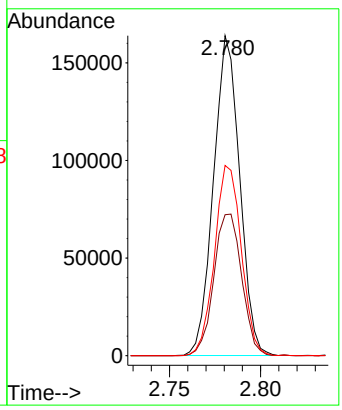


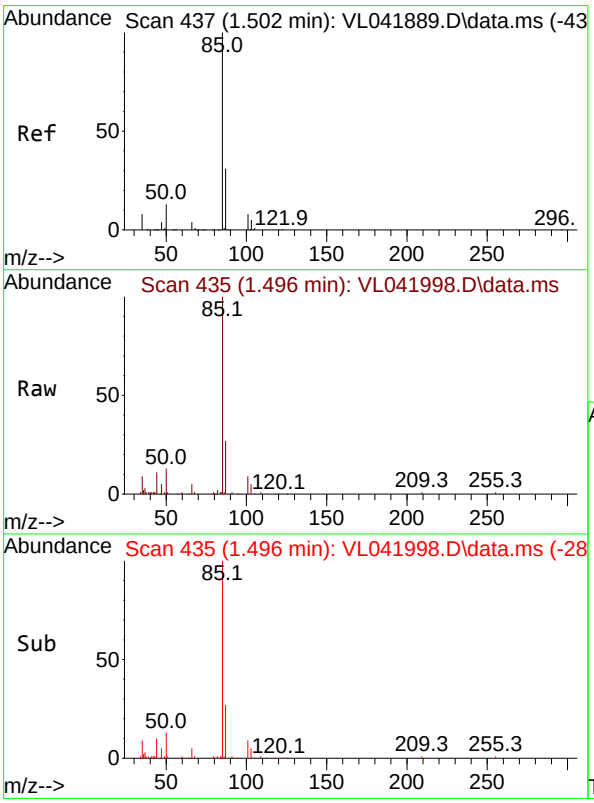
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 8
Delta R.T. -0.017 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 163540

Ion	Ratio	Lower	Upper
49	100		
128	47.2	24.3	73.0
130	61.0	31.1	93.2

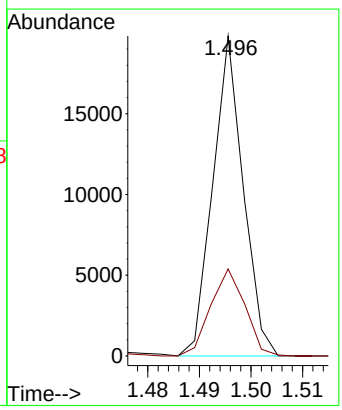


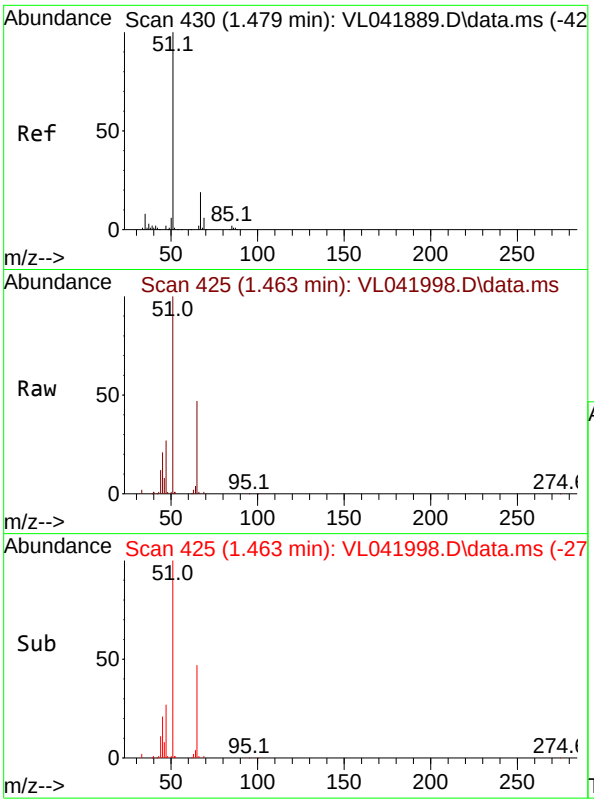


#2
Dichlorodifluoromethane
Concen: 0.364 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 85 Resp: 8116

Ion	Ratio	Lower	Upper
85	100		
87	27.2	24.9	37.3



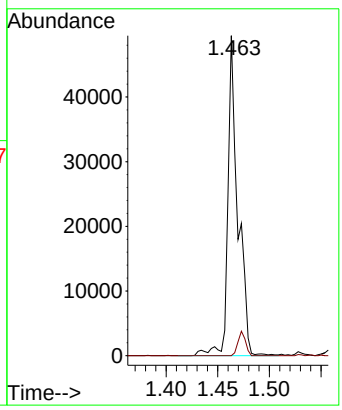


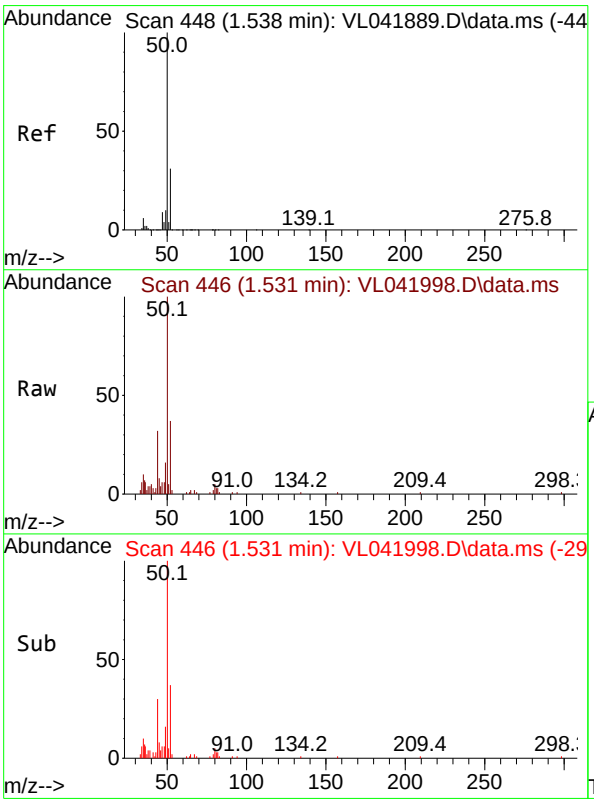
#3
Chlorodifluoromethane
Concen: 1.431 ppbv
RT: 1.463 min Scan# 4
Delta R.T. -0.016 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 33402

Ion	Ratio	Lower	Upper
51	100		
67	5.7	15.0	22.4#

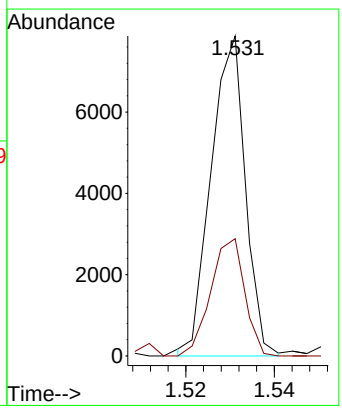


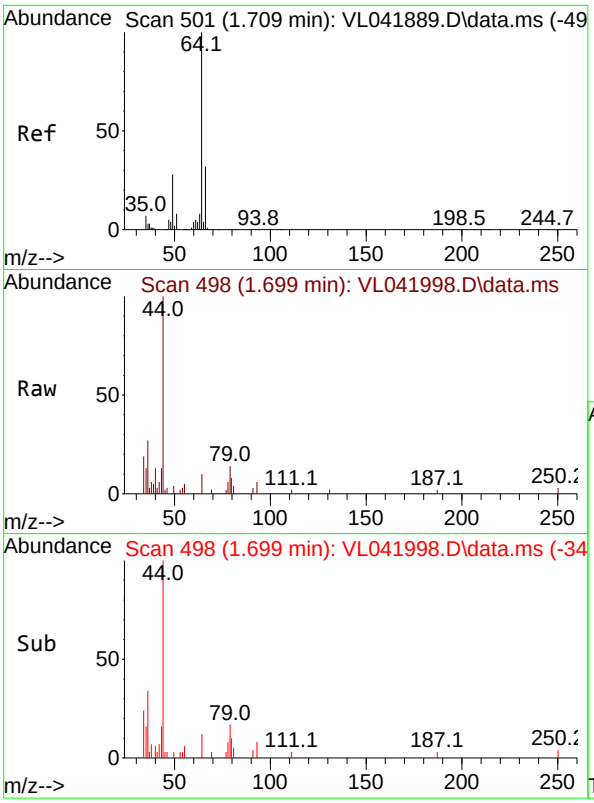


#4
Chloromethane
Concen: 0.504 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.006 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 50 Resp: 4224

Ion	Ratio	Lower	Upper
50	100		
52	37.0	24.6	36.8#



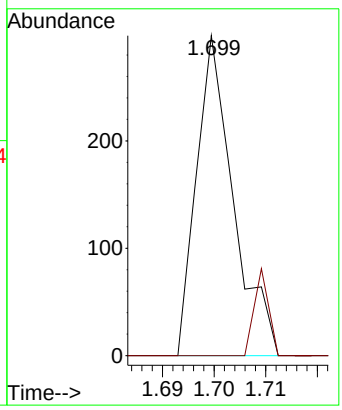


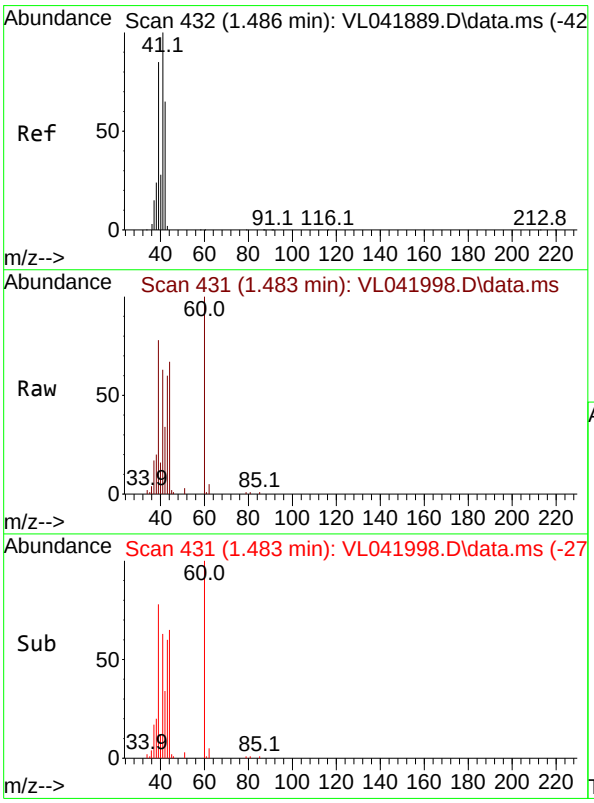
#7
Chloroethane
Concen: 0.045 ppbv
RT: 1.699 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 148

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.7	38.5#

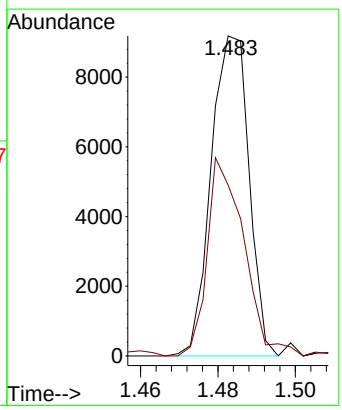


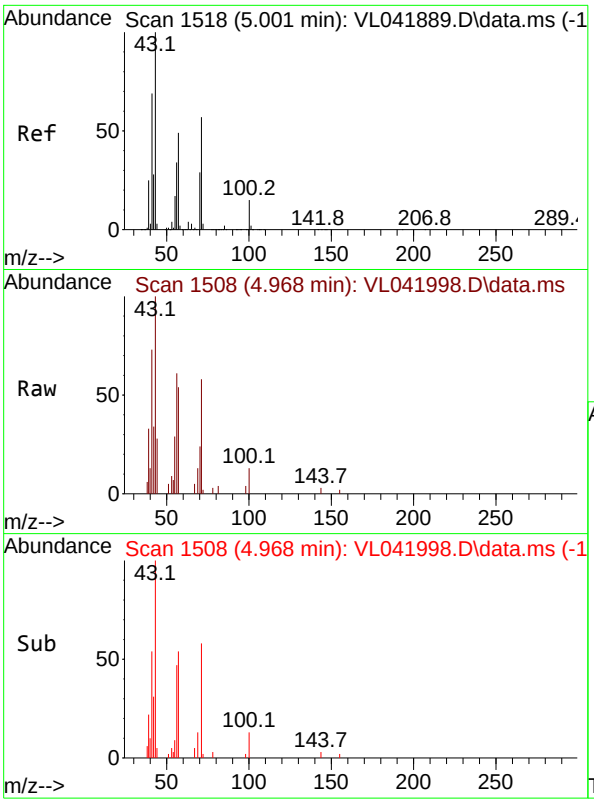


#9
Propene
Concen: 0.649 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.003 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 41 Resp: 6238

Ion	Ratio	Lower	Upper
41	100		
42	62.2	52.0	78.0



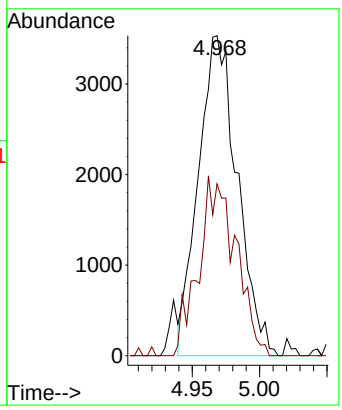


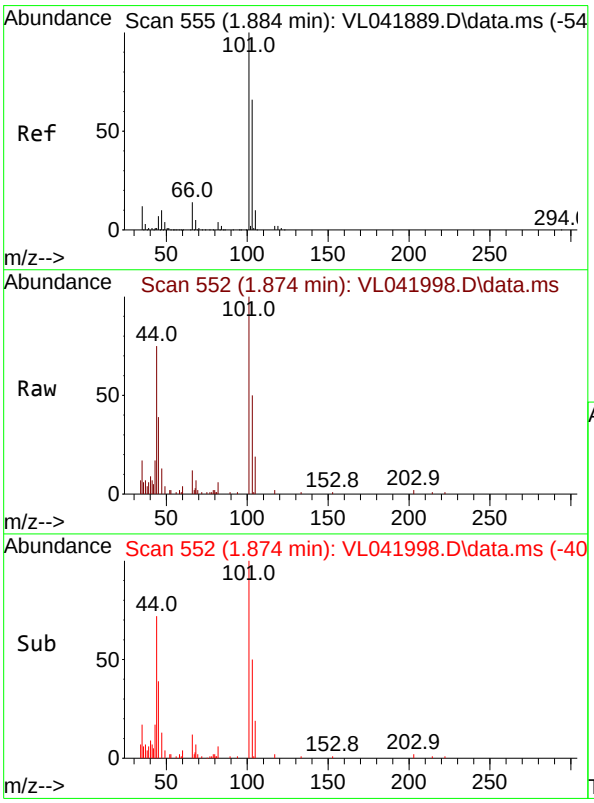
#10
Heptane
Concen: 0.277 ppbv
RT: 4.968 min Scan# 1
Delta R.T. -0.032 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 7115

Ion	Ratio	Lower	Upper
43	100		
57	54.1	41.0	61.4

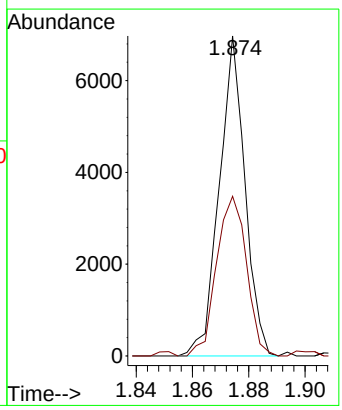


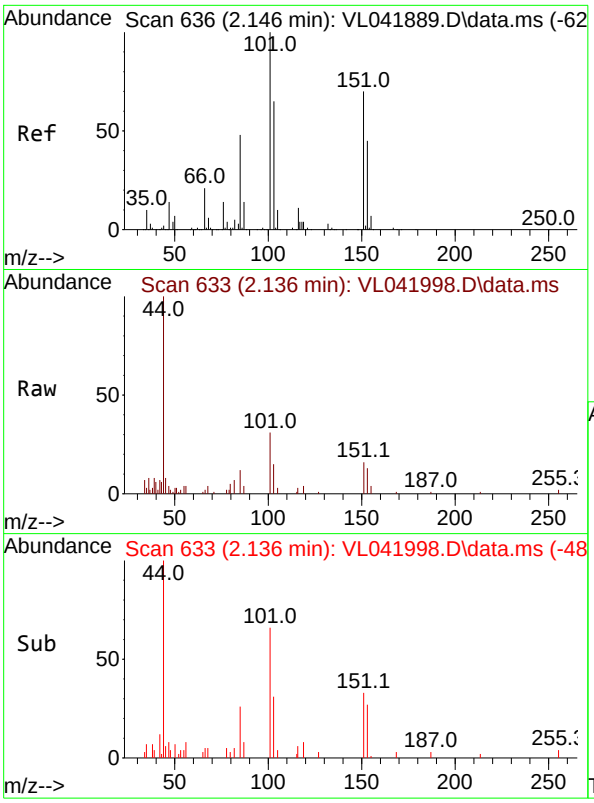


#11
Trichlorofluoromethane
Concen: 0.191 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.010 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:101 Resp: 4423

Ion	Ratio	Lower	Upper
101	100		
103	49.9	53.1	79.7#



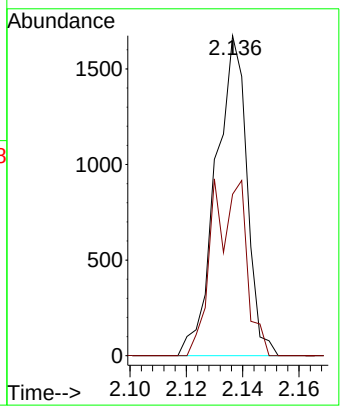


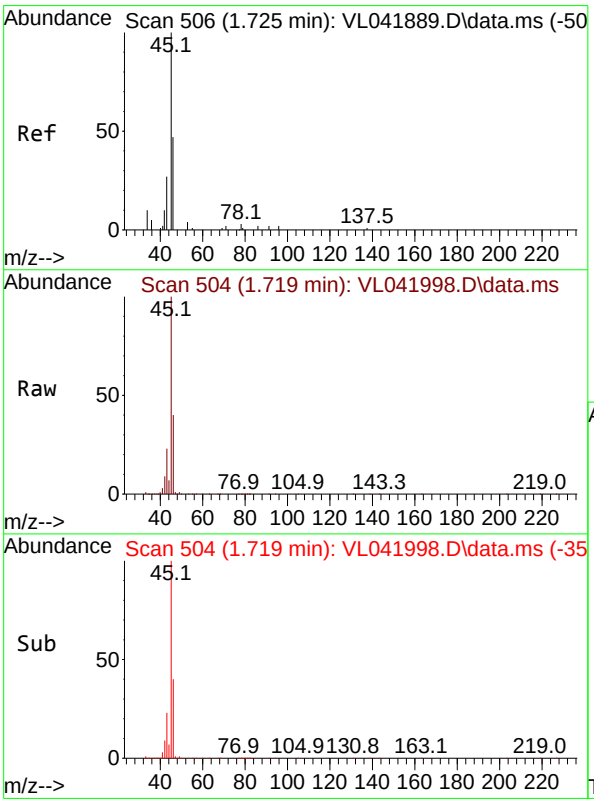
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.071 ppbv
RT: 2.136 min Scan# 6
Delta R.T. -0.010 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1286

Ion	Ratio	Lower	Upper
101	100		
151	59.4	56.1	84.1

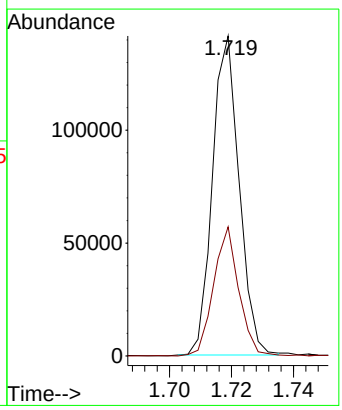


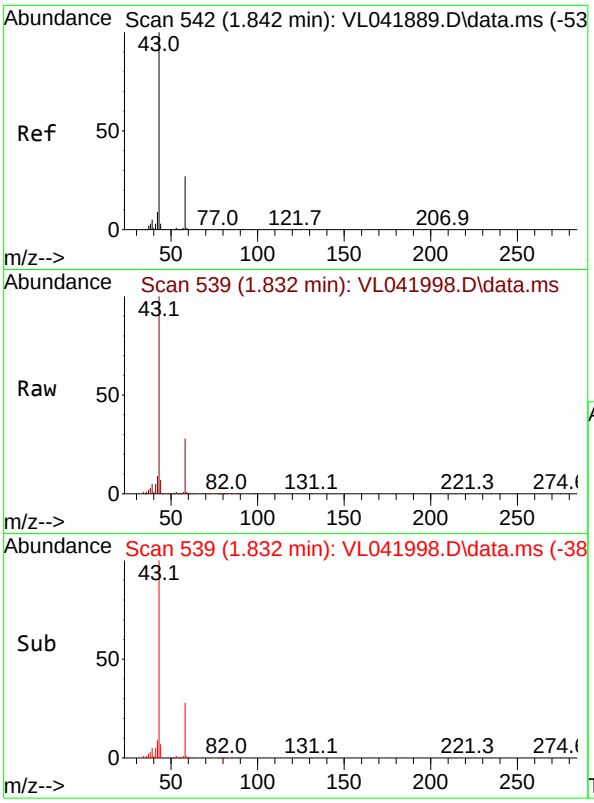


#13
Ethanol
Concen: 120.078 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.006 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 45 Resp: 84552

Ion	Ratio	Lower	Upper
45	100		
46	38.6	18.1	72.5



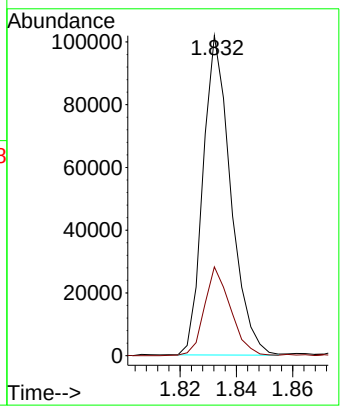


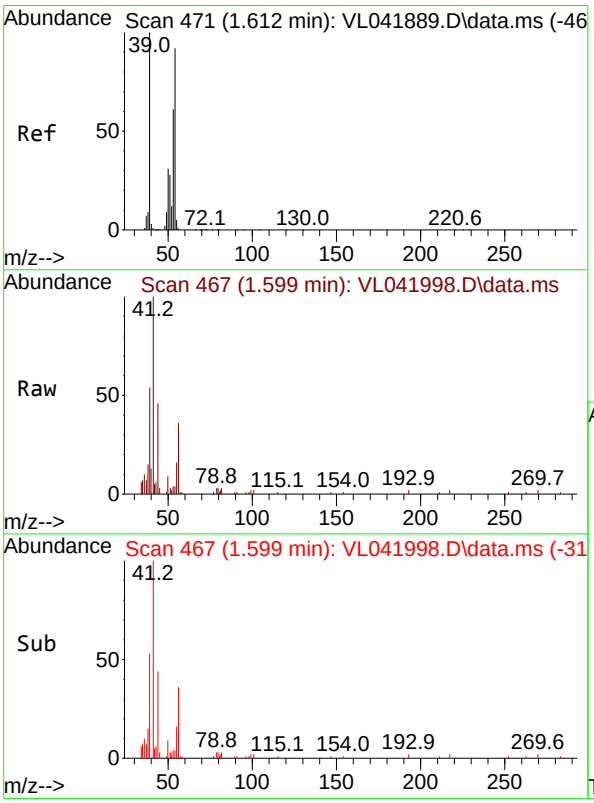
#15
Acetone
Concen: 3.545 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.010 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 69626

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.9	32.9

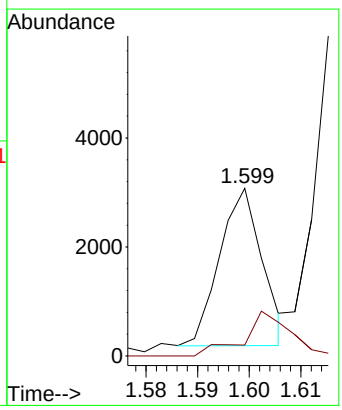


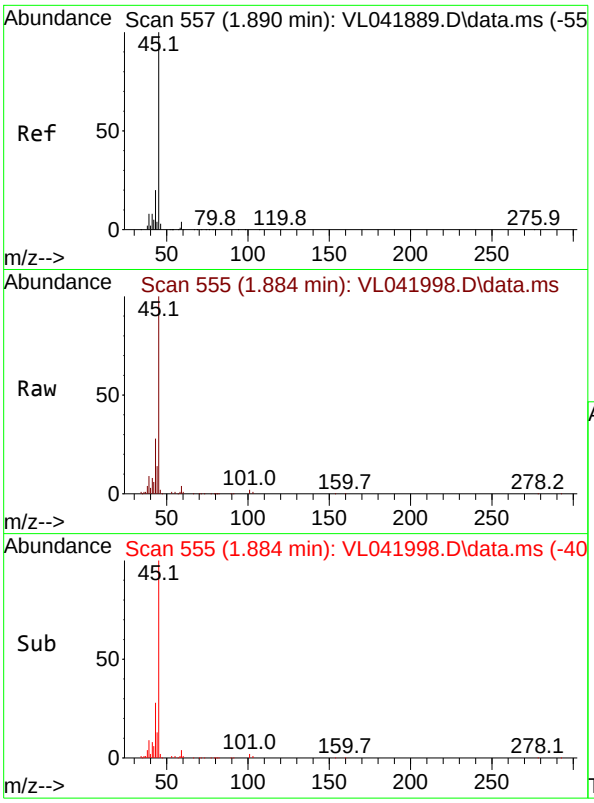


#16
1,3-Butadiene
Concen: 0.188 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.013 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 39 Resp: 1661

Ion	Ratio	Lower	Upper
39	100		
54	40.2	61.6	92.4#



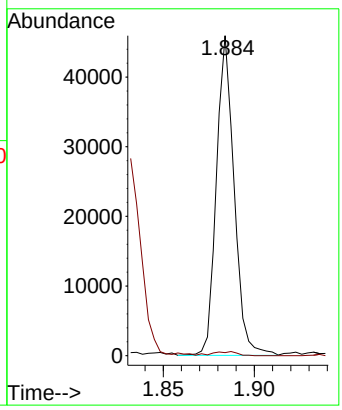


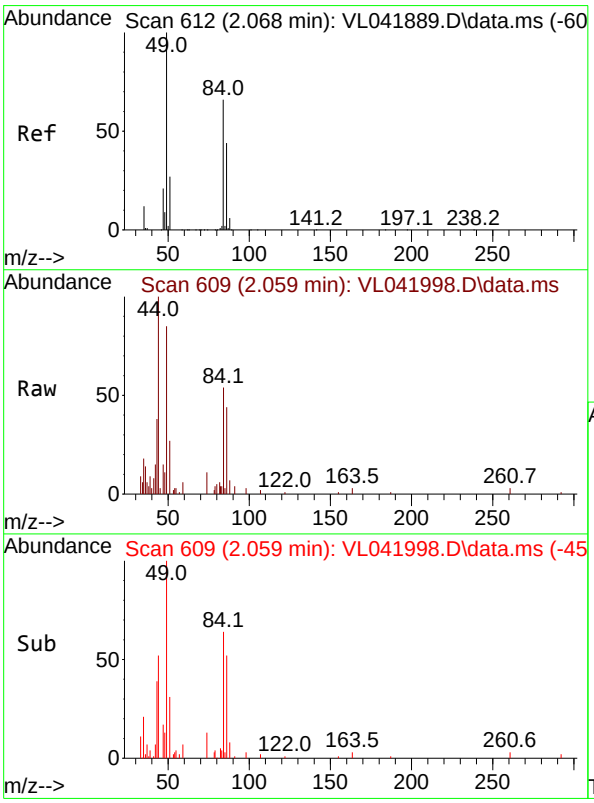
#19
Isopropyl Alcohol
Concen: 2.660 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.006 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 30975

Ion	Ratio	Lower	Upper
45	100		
58	59.7	35.0	52.6#

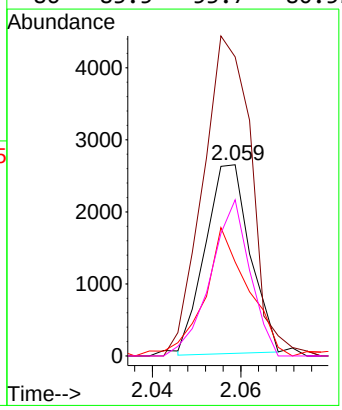


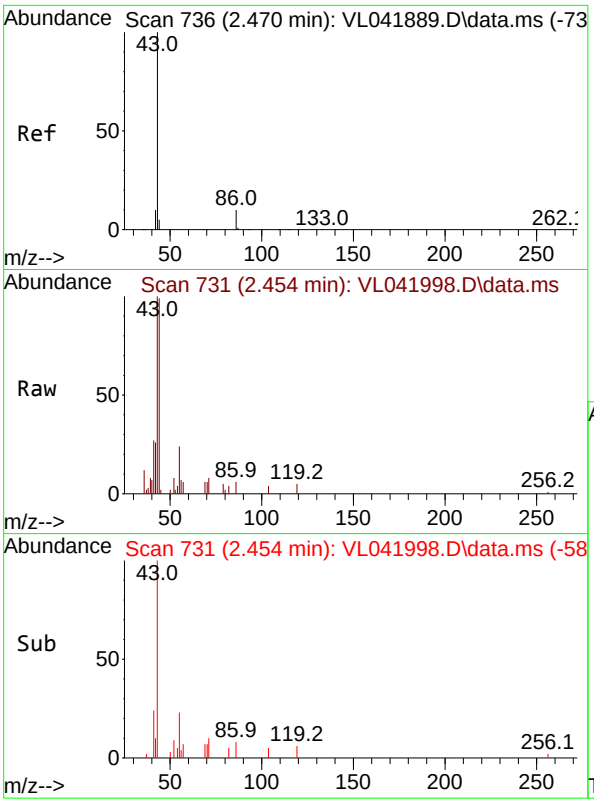


#20
Methylene Chloride
Concen: 0.238 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 84 Resp: 1849

Ion	Ratio	Lower	Upper
84	100		
49	148.9	123.1	184.7
51	45.5	35.8	53.8
86	83.5	53.7	80.5#



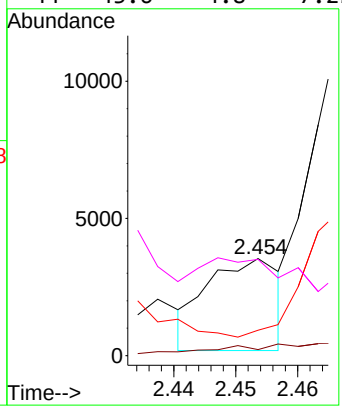


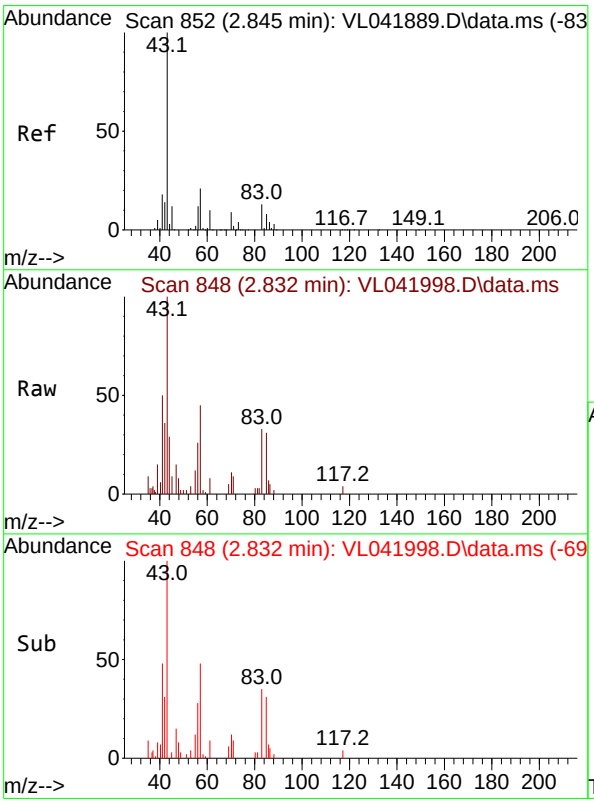
#23
Vinyl Acetate
Concen: 0.280 ppbv
RT: 2.454 min Scan# 7
Delta R.T. -0.016 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2726

Ion	Ratio	Lower	Upper
43	100		
86	4.4	6.2	9.4#
42	0.0	8.5	12.7#
44	43.6	4.8	7.2#

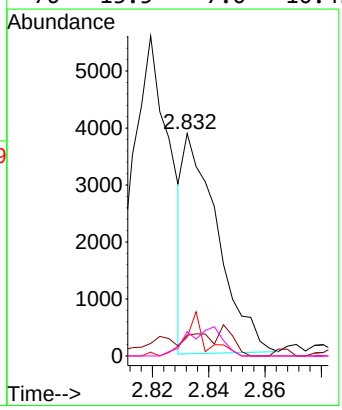


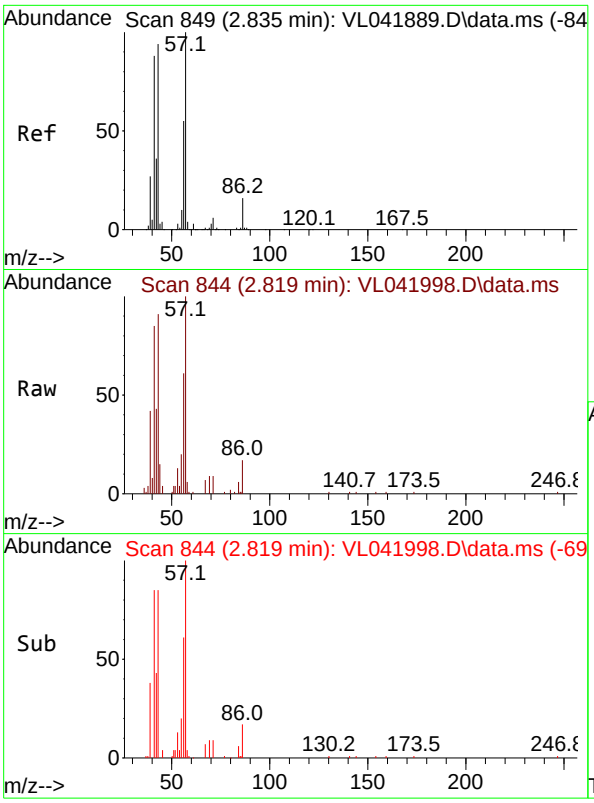


#25
Ethyl Acetate
Concen: 0.061 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.013 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 43 Resp: 3256

Ion	Ratio	Lower	Upper
43	100		
45	23.9	8.2	12.2#
61	11.7	7.4	11.0#
70	13.5	7.0	10.4#



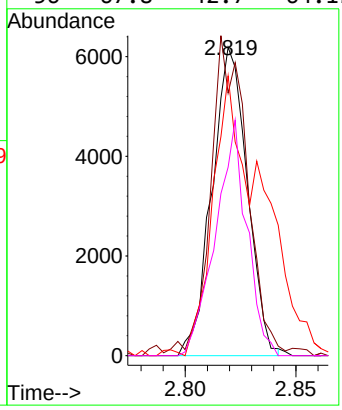


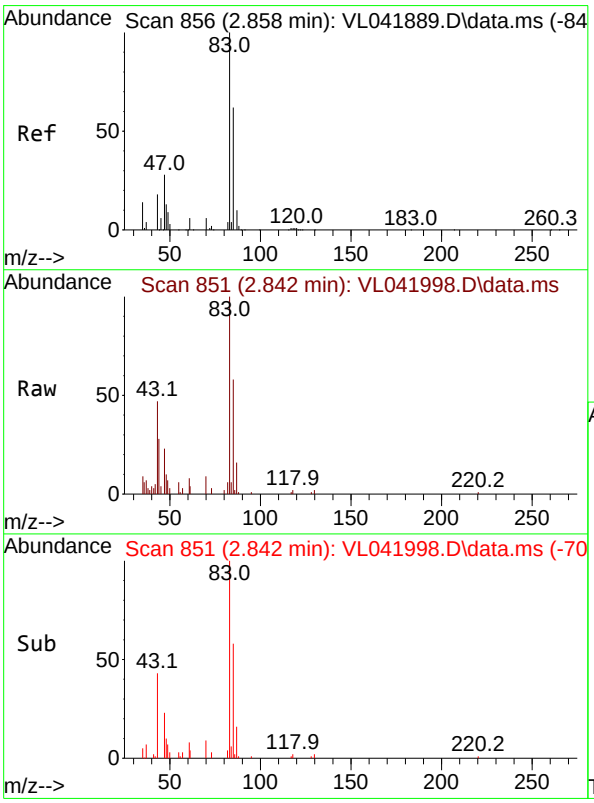
#26
Hexane
Concen: 0.327 ppbv
RT: 2.819 min Scan# 84
Delta R.T. -0.016 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 6857

Ion	Ratio	Lower	Upper
57	100		
41	108.5	73.8	110.8
43	131.5	197.3	295.9#
56	67.8	42.7	64.1#

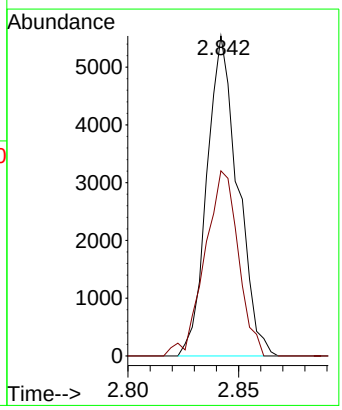


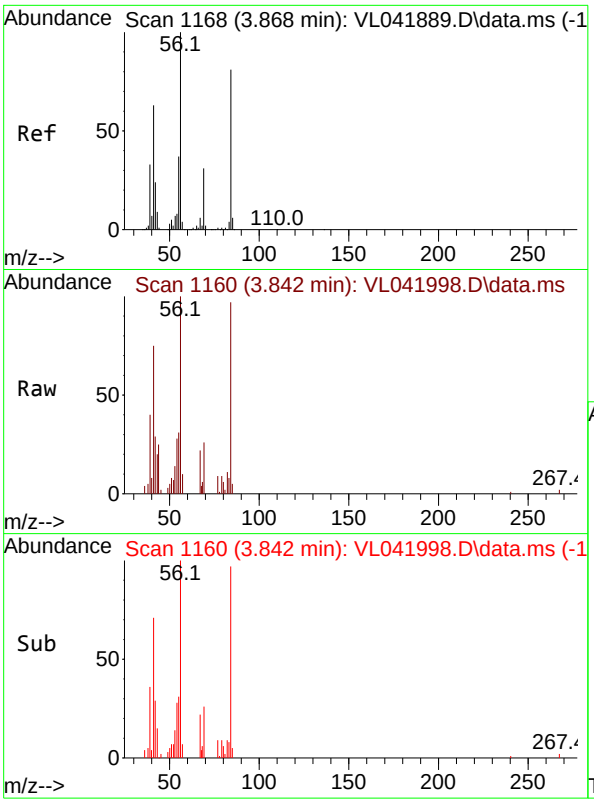


#29
Chloroform
Concen: 0.163 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.016 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 83 Resp: 5393

Ion	Ratio	Lower	Upper
83	100		
85	57.9	50.1	75.1



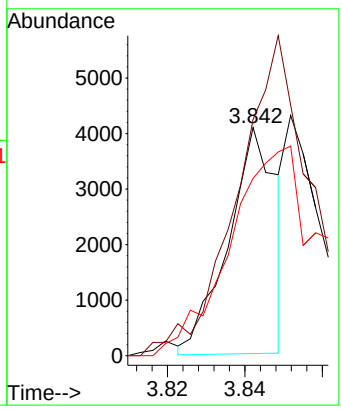


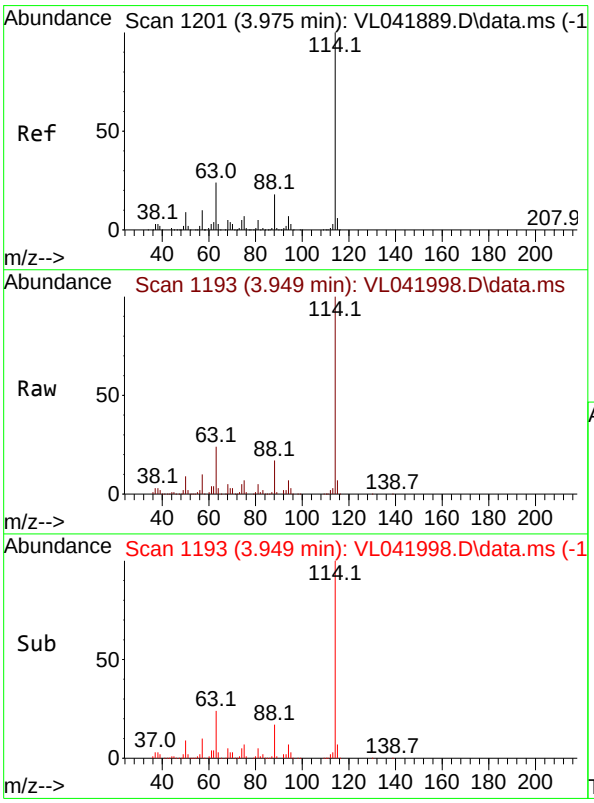
#30
Cyclohexane
Concen: 0.192 ppbv
RT: 3.842 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 3488

Ion	Ratio	Lower	Upper
84	100		
56	0.0	99.3	148.9#
41	0.0	64.3	96.5#

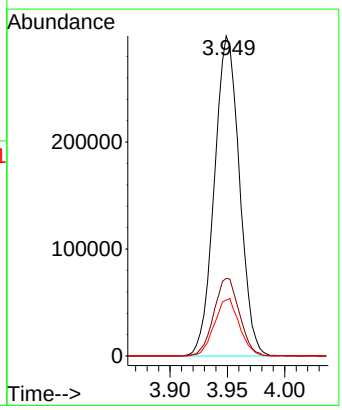


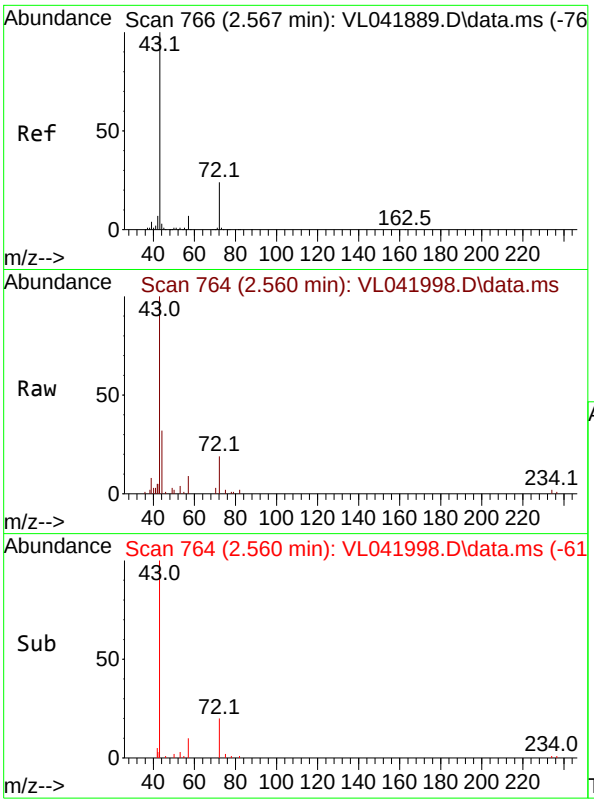


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.026 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:114 Resp: 454250

Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.8	29.6
88	17.9	14.4	21.6



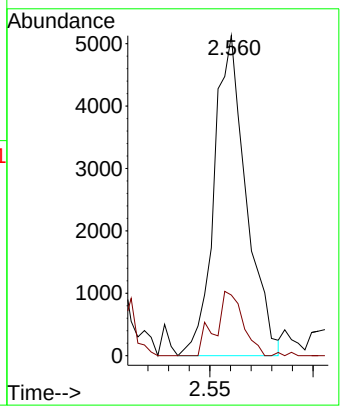


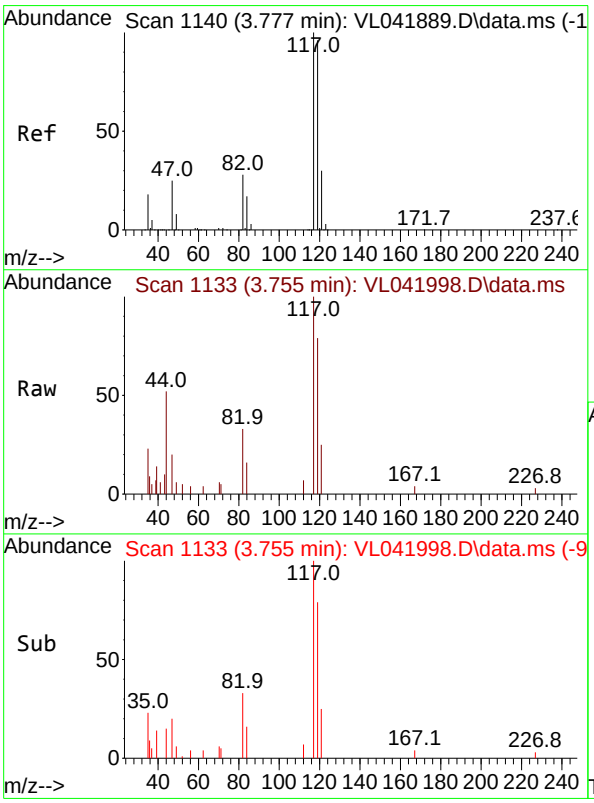
#34
2-Butanone
Concen: 0.192 ppbv
RT: 2.560 min Scan# 7
Delta R.T. -0.006 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 5549

Ion	Ratio	Lower	Upper
43	100		
72	17.2	18.6	28.0#

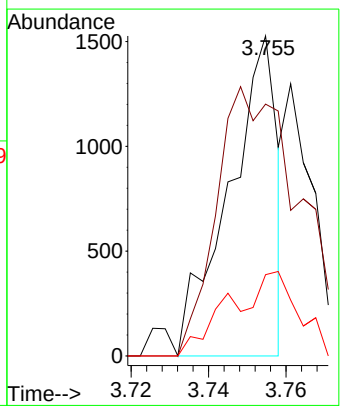


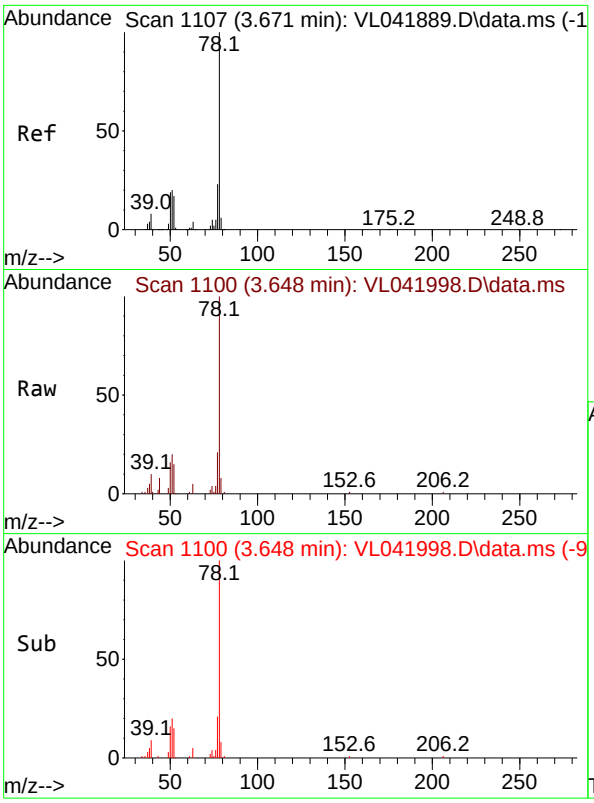


#35
Carbon Tetrachloride
Concen: 0.046 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. -0.023 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:117 Resp: 1320

Ion	Ratio	Lower	Upper
117	100		
119	78.7	76.9	115.3
121	25.4	23.8	35.6



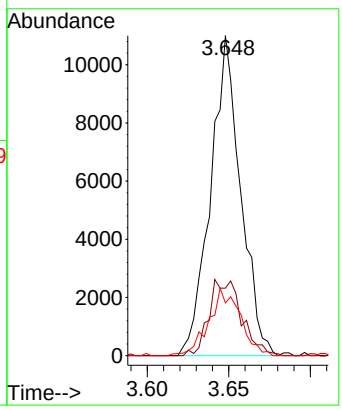


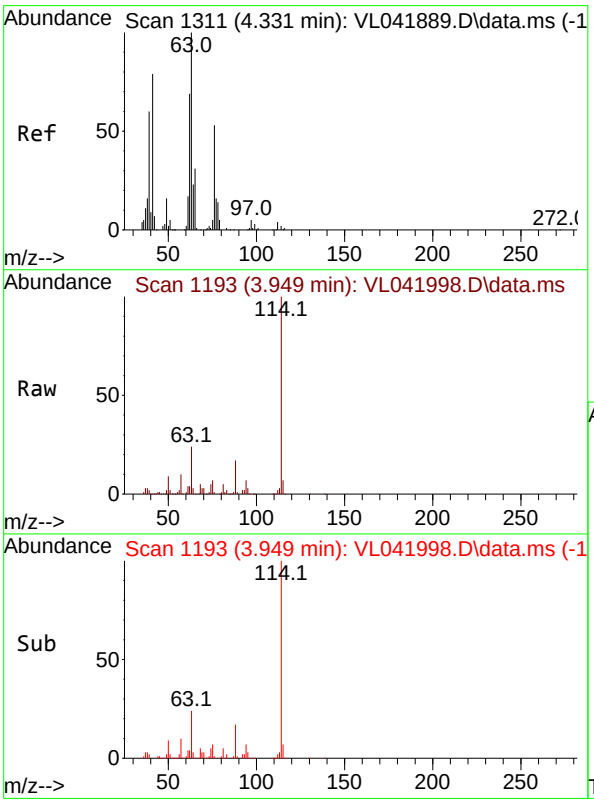
#36
Benzene
Concen: 0.339 ppbv
RT: 3.648 min Scan# 11
Delta R.T. -0.023 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 14133

Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.1	27.1
50	16.5	15.2	22.8

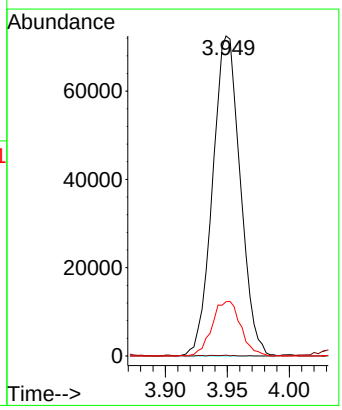


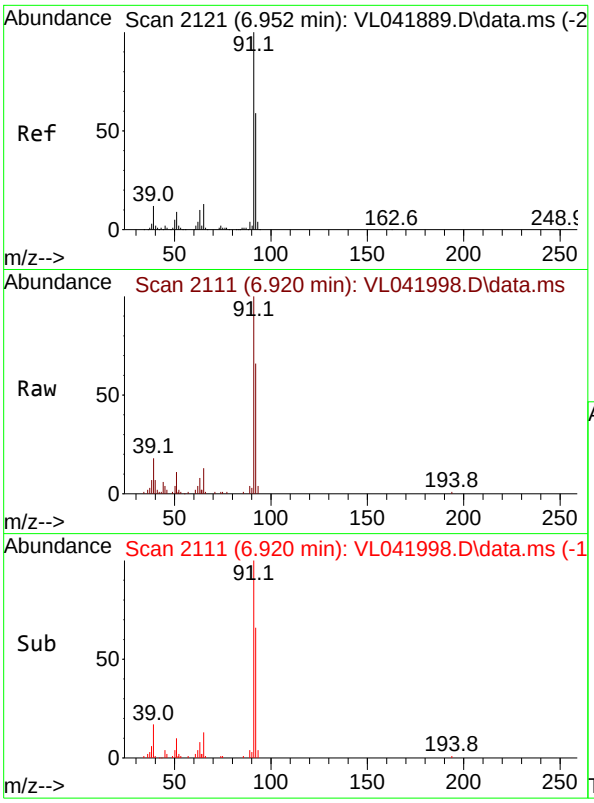


#39
1,2-Dichloropropane
Concen: 7.701 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.382 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 63 Resp: 112540

Ion	Ratio	Lower	Upper
63	100		
41	0.2	63.7	95.5#
62	16.9	55.4	83.2#



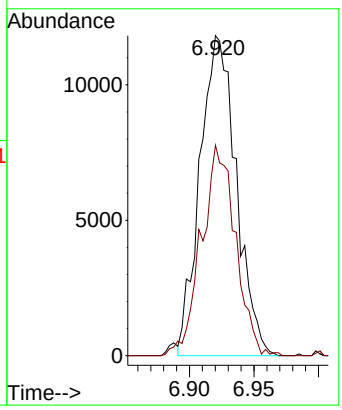


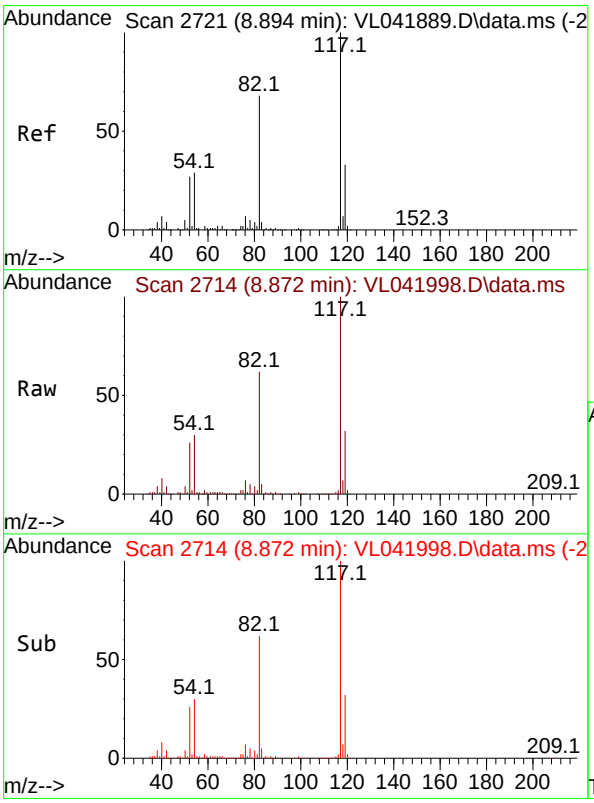
#53
Toluene
Concen: 0.509 ppbv
RT: 6.920 min Scan# 21
Delta R.T. -0.032 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 23101

Ion	Ratio	Lower	Upper
91	100		
92	61.7	47.4	71.0

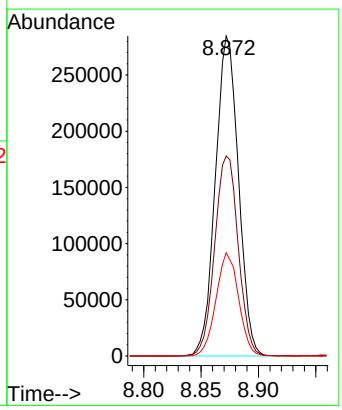


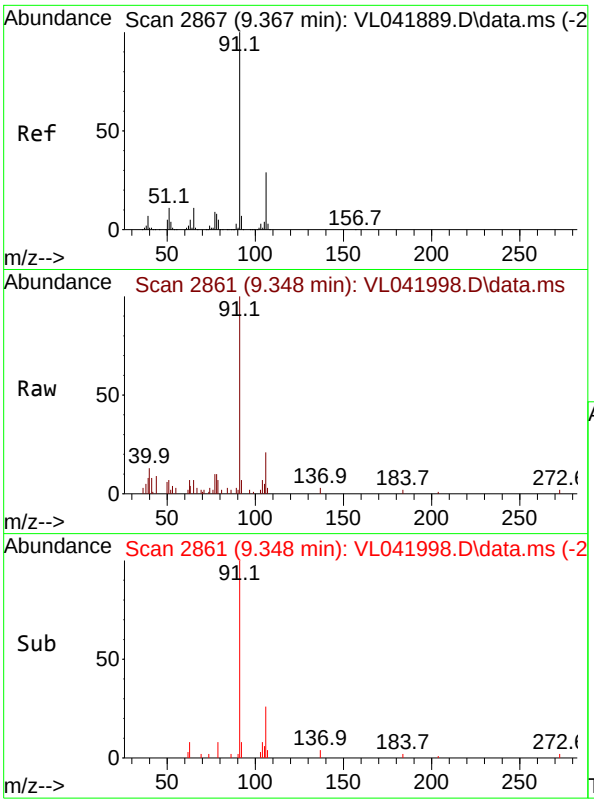


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.023 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:117 Resp: 398767

Ion	Ratio	Lower	Upper
117	100		
82	63.7	54.2	81.4
119	31.6	25.0	37.6



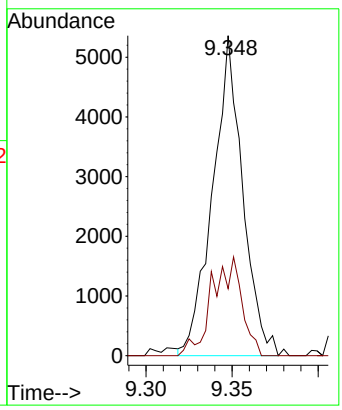


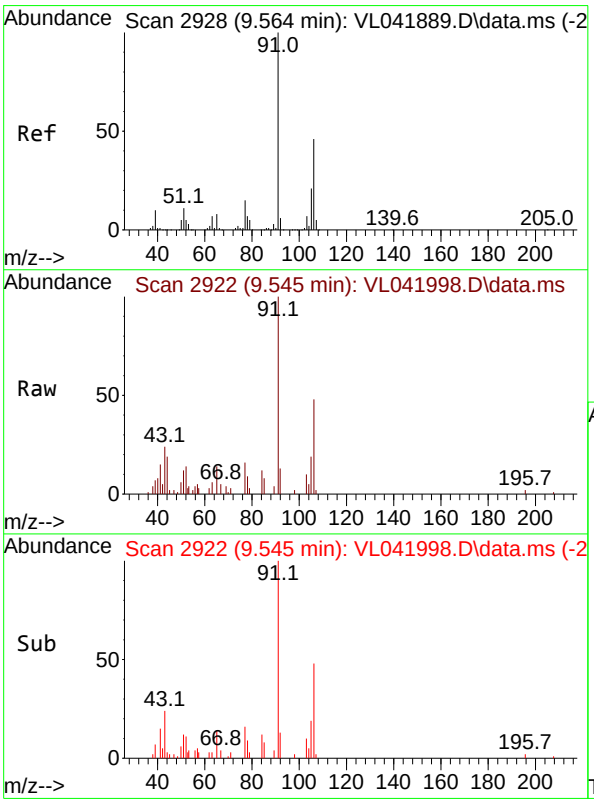
#58
Ethyl Benzene
Concen: 0.104 ppbv
RT: 9.348 min Scan# 2
Delta R.T. -0.019 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 6500

Ion	Ratio	Lower	Upper
91	100		
106	21.0	23.1	34.7#

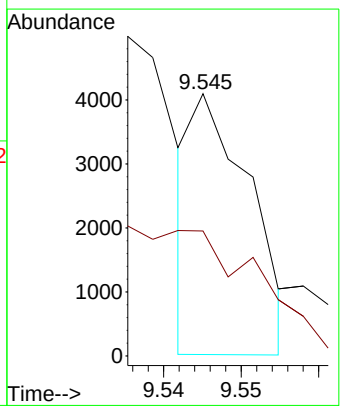


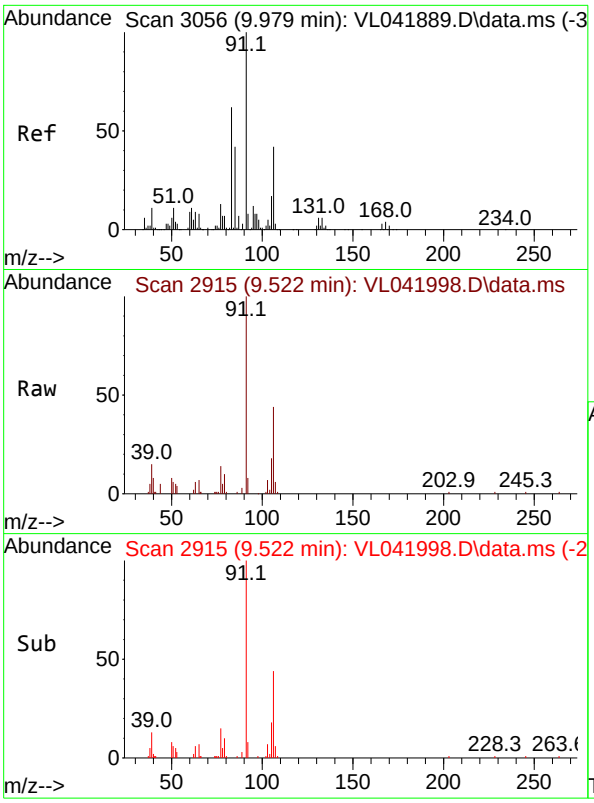


#59
m/p-Xylene
Concen: 0.042 ppbv
RT: 9.545 min Scan# 2922
Delta R.T. -0.019 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion: 91 Resp: 2121

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.0	54.0#



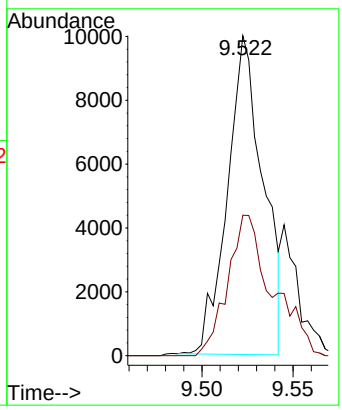


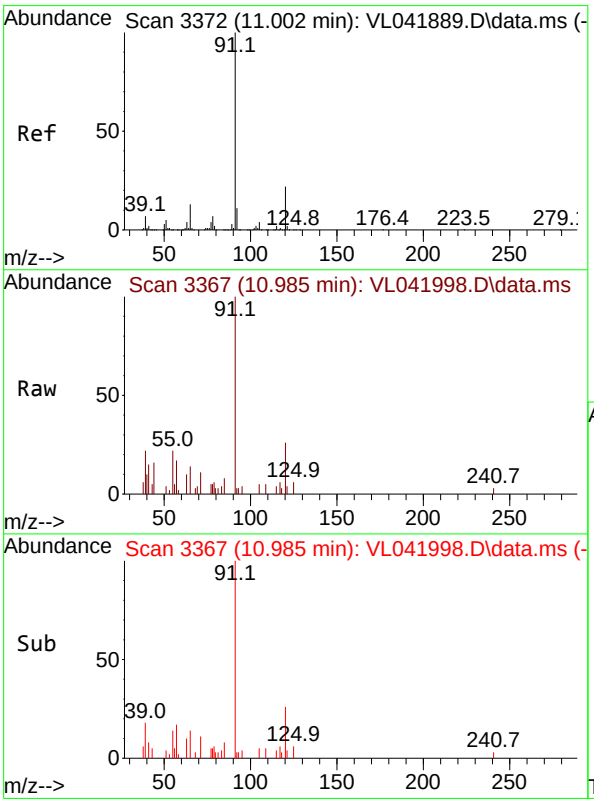
#60
o-Xylene
Concen: 0.274 ppbv
RT: 9.522 min Scan# 2
Delta R.T. -0.456 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 13602

Ion	Ratio	Lower	Upper
91	100		
106	55.1	21.3	63.9

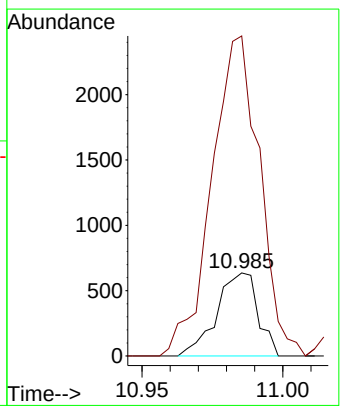


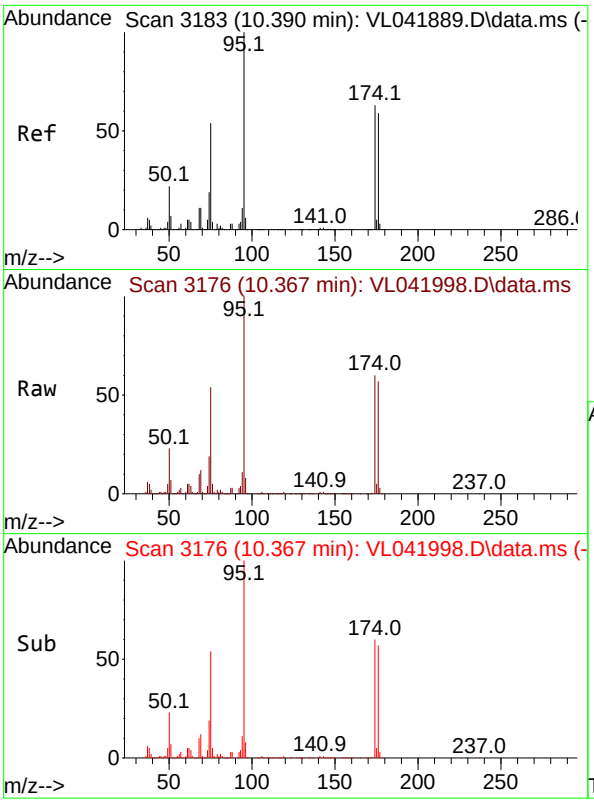


#64
n-propylbenzene
Concen: 0.033 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.016 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:120 Resp: 647

Ion	Ratio	Lower	Upper
120	100		
91	456.7	374.1	561.1



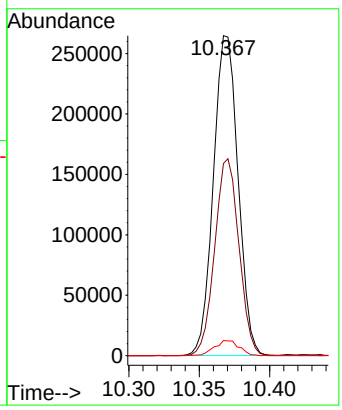


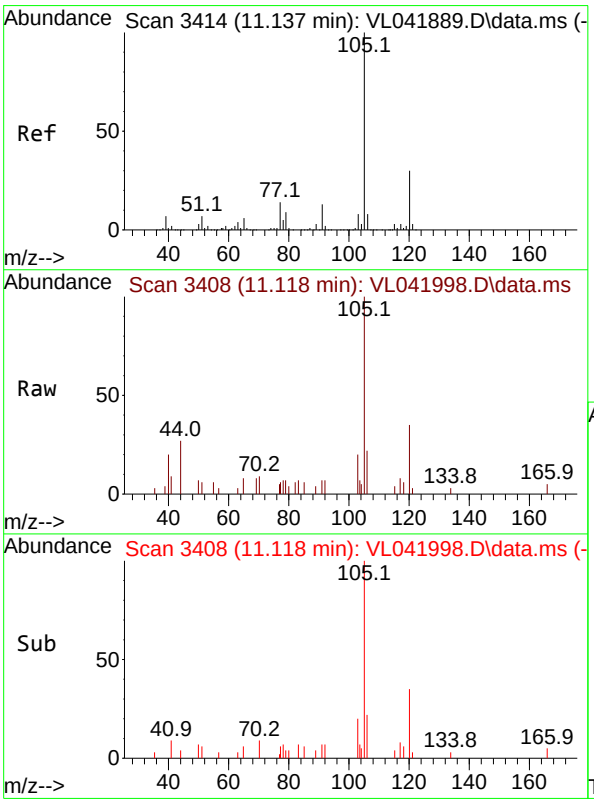
#68
1-Bromo-4-Fluorobenzene
Concen: 10.294 ppbv
RT: 10.367 min Scan# 3
Delta R.T. -0.023 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 323329

Ion	Ratio	Lower	Upper
95	100		
174	60.6	49.0	73.4
175	4.8	3.8	5.8

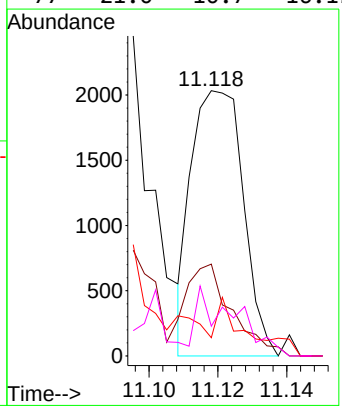


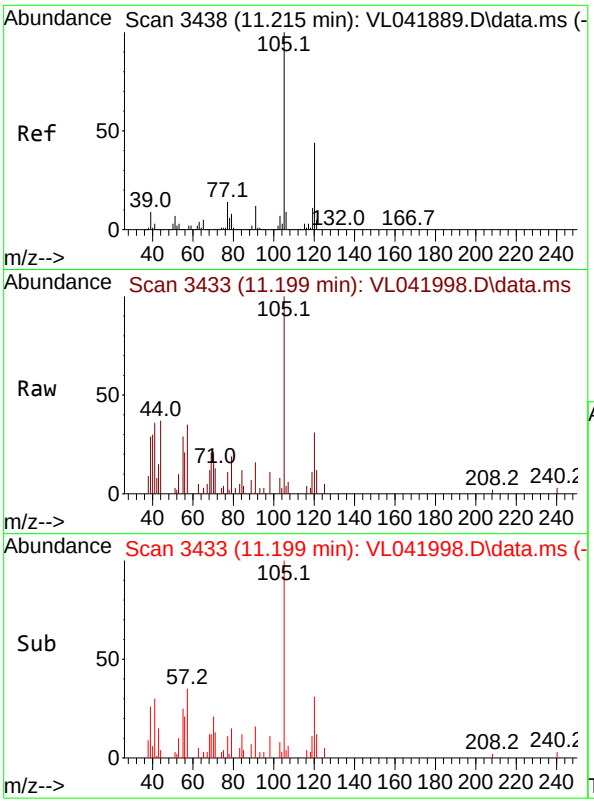


#72
4-Ethyltoluene
Concen: 0.036 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.019 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:105 Resp: 2128

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.7	35.5#
91	0.0	10.2	15.2#
77	21.0	10.7	16.1#



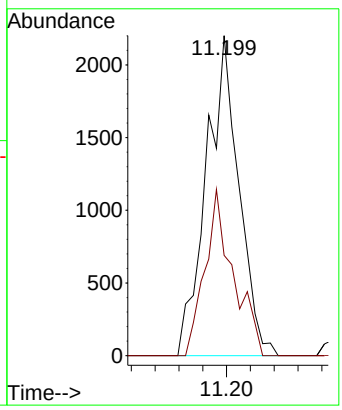


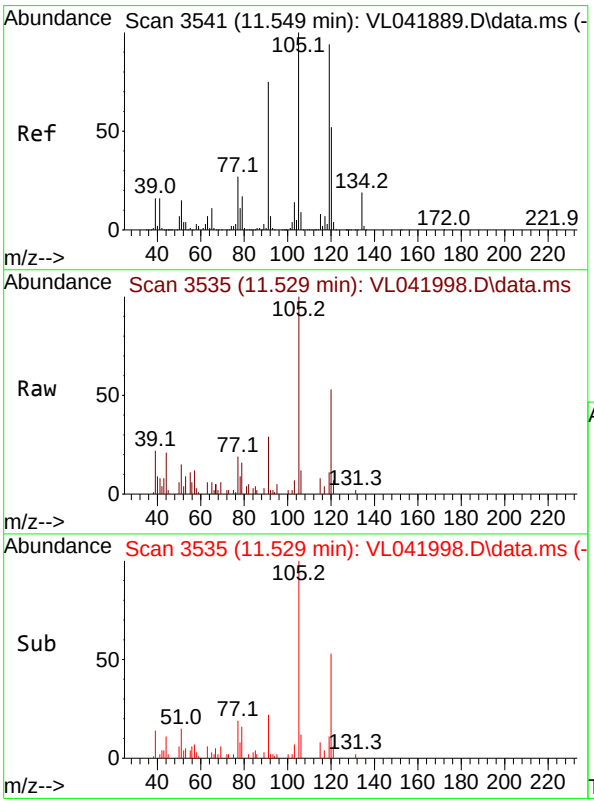
#73
1,3,5-Trimethylbenzene
Concen: 0.040 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.016 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 2093

Ion	Ratio	Lower	Upper
105	100		
120	31.3	35.4	53.2#

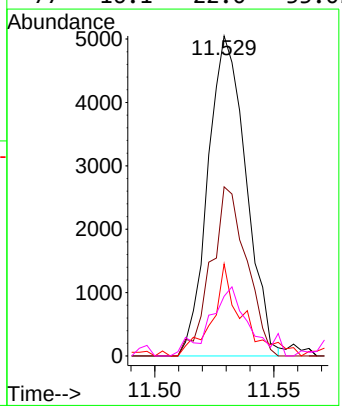


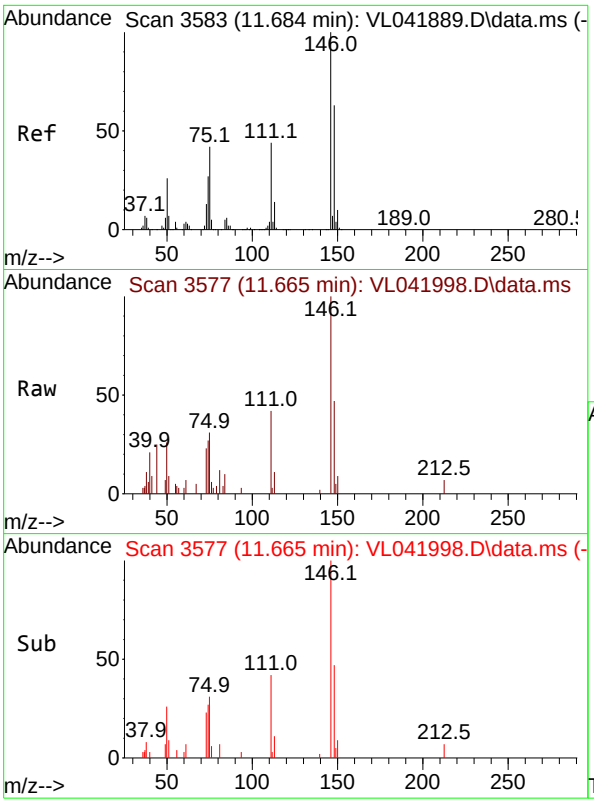


#74
1,2,4-Trimethylbenzene
Concen: 0.099 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.019 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:105 Resp: 5608

Ion	Ratio	Lower	Upper
105	100		
120	52.9	41.4	62.2
91	28.7	60.2	90.2#
77	16.1	22.0	33.0#



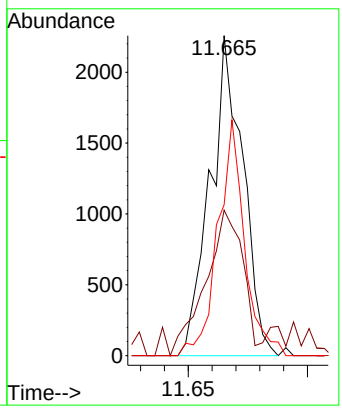


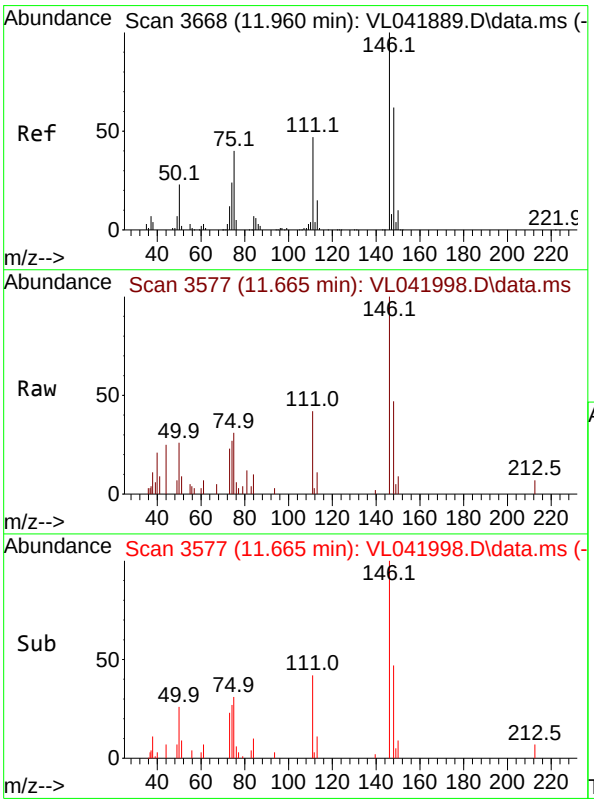
#76
1,4-Dichlorobenzene
Concen: 0.066 ppbv
RT: 11.665 min Scan# 3
Delta R.T. -0.019 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2158

Ion	Ratio	Lower	Upper
146	100		
111	63.7	22.4	67.0
148	59.7	31.9	95.5

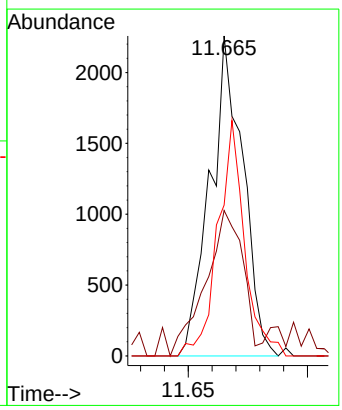


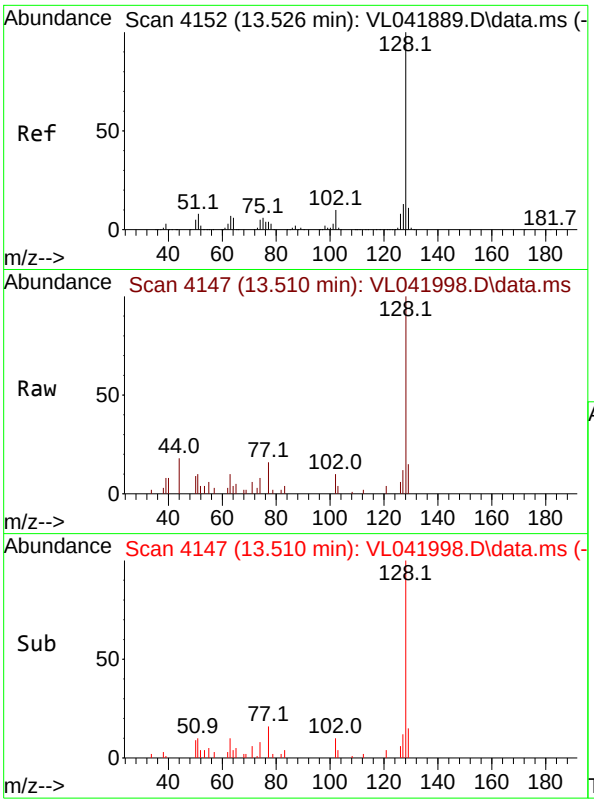


#77
1,2-Dichlorobenzene
Concen: 0.065 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.295 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Tgt Ion:146 Resp: 2158

Ion	Ratio	Lower	Upper
146	100		
111	63.7	24.2	72.6
148	59.7	31.7	95.1





#79
Naphthalene
Concen: 0.064 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.016 min
Lab File: VL041998.D
Acq: 11 Feb 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 3653

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	15.0	9.1	13.7#