Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110320\
Data File : VL035809.D
Acq On : 3 Nov 2020 18:42
Operator : SY/AP
Sample : L4604-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Nov 04 05:15:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1106849	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	5105112	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4706811	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3388285	10.13	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	68136	0.327	ppbv	98
3) Chlorodifluoromethane	2.97	51	49629	0.374	ppbv	92
4) Chloromethane	3.12	50	33417	0.519	ppbv	98
9) Propene	3.00	41	36925	0.761	ppbv	87
10) Heptane	8.10	43	10217	0.076	ppbv #	51
11) Trichlorofluoromethane	3.93	101	58438	0.223	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.47	101	13613	0.070	ppbv	94
13) Ethanol	3.59	45	94013	8.932	ppbv	96
15) Acetone	3.84	43	388980	3.287	ppbv #	88
19) Isopropyl Alcohol	3.97	45	28753	0.395	ppbv #	1
20) Methylene Chloride	4.33	84	117453	1.410	ppbv	99
23) Vinyl Acetate	5.05	43	11749	0.071	ppbv #	18
25) Ethyl Acetate	5.67	43	62065	0.266	ppbv #	78
26) Hexane	5.67	57	103201	0.803	ppbv #	47
30) Cyclohexane	7.12	84	22783	0.163	ppbv #	28
34) 2-Butanone	5.24	43	36050	0.218	ppbv	90
35) Carbon Tetrachloride	7.00	117	8860	0.032	ppbv	94
36) Benzene	6.87	78	95263	0.251	ppbv	95
39) 1,2-Dichloropropane	7.16	63	905943	7.090	ppbv #	30
44) 2,2,4-Trimethylpentane	7.85	57	118090	0.235	ppbv	93
53) Toluene	9.79	91	468967	1.024	ppbv	99
58) Ethyl Benzene	12.70	91	46000	0.080	ppbv #	88
59) m/p-Xylene	12.95	91	108975	0.225	ppbv	97
60) o-Xylene	13.67	91	43571	0.092	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	18410	0.033	ppbv #	65
78) Hexachloro-1,3-Butadiene	23.37	225	5229	0.032	ppbv #	12
80) Naphthalene,2-methyl-	24.99	142	5672	0.089	ppbv	91

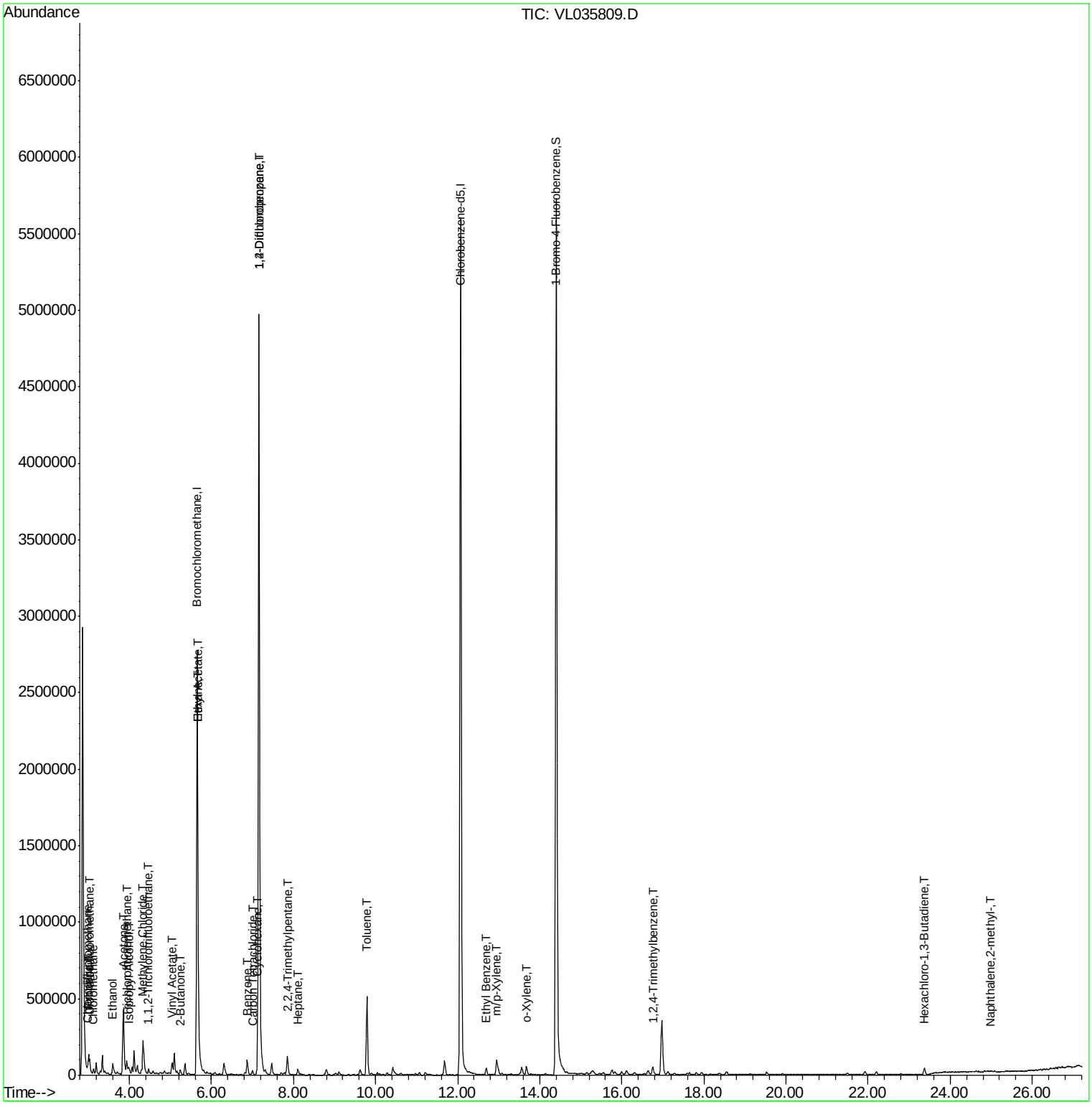
(#) = qualifier out of range (m) = manual integration (+) = signals summed

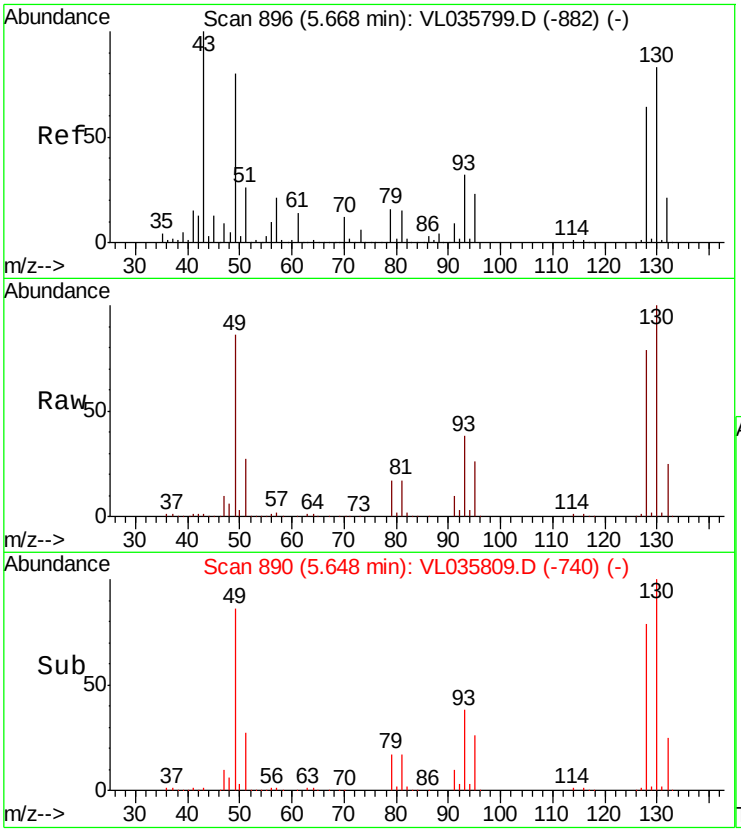
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110320\
Data File : VL035809.D
Acq On : 3 Nov 2020 18:42
Operator : SY/AP
Sample : L4604-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 04 05:15:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

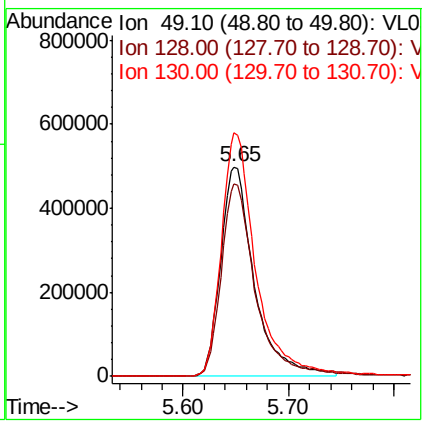




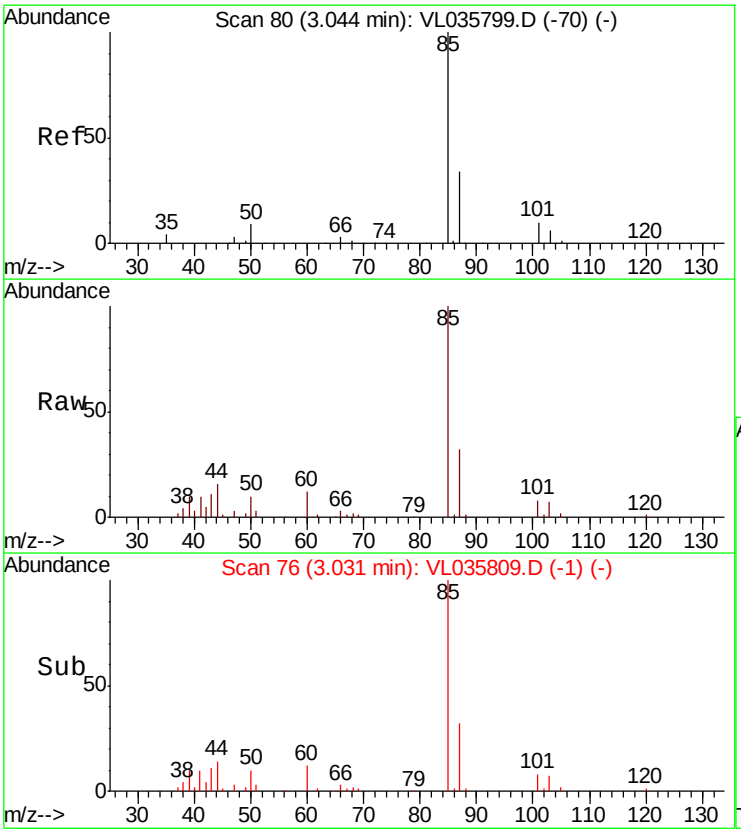
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 49 Resp: 1106849

Ion	Ratio	Lower	Upper
49	100		
128	95.0	41.5	124.6
130	120.3	53.7	161.1



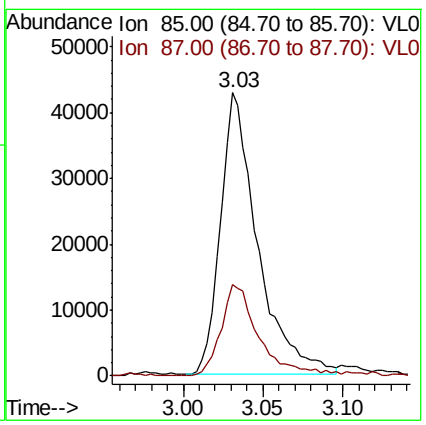
Instrument :
MSVOA_L
ClientSampleId :

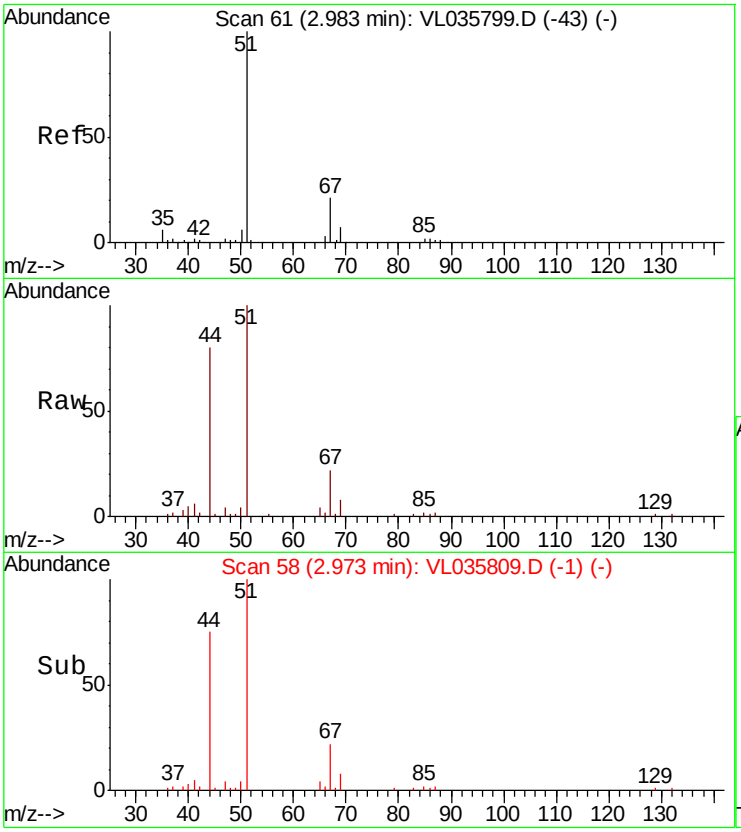


#2
Dichlorodifluoromethane
Concen: 0.327 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.01 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 85 Resp: 68136

Ion	Ratio	Lower	Upper
85	100		
87	32.6	27.1	40.7

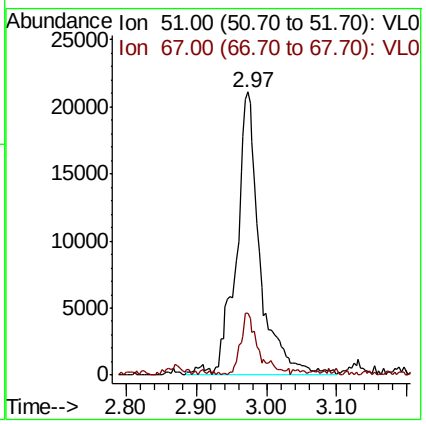




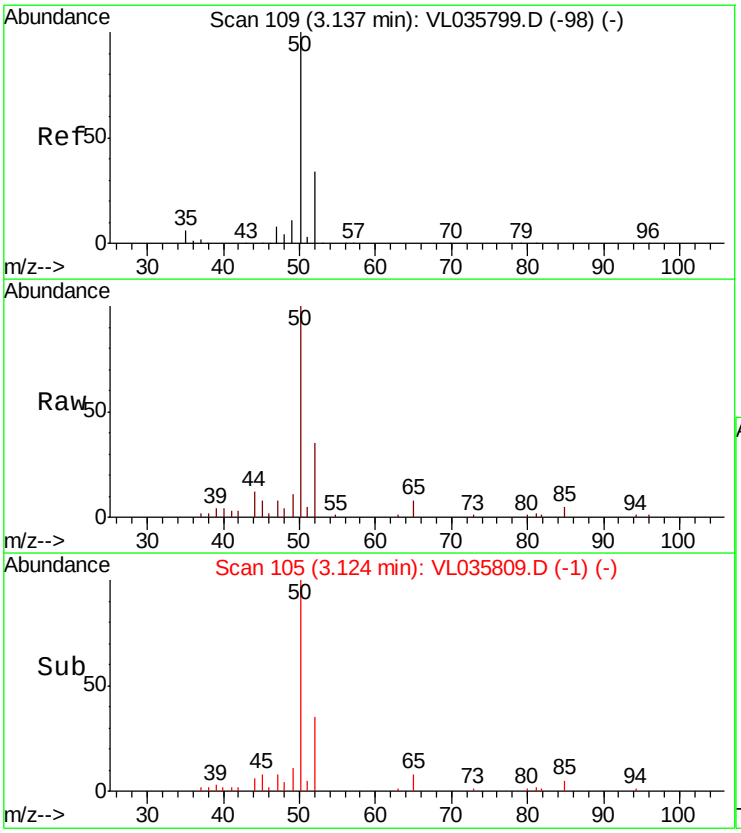
#3
Chlorodifluoromethane
Concen: 0.374 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.01 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 51 Resp: 49629

Ion	Ratio	Lower	Upper
51	100		
67	17.4	17.0	25.4



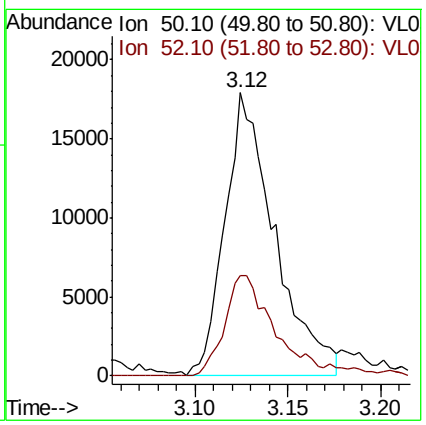
Instrument :
MSVOA_L
ClientSampleId :

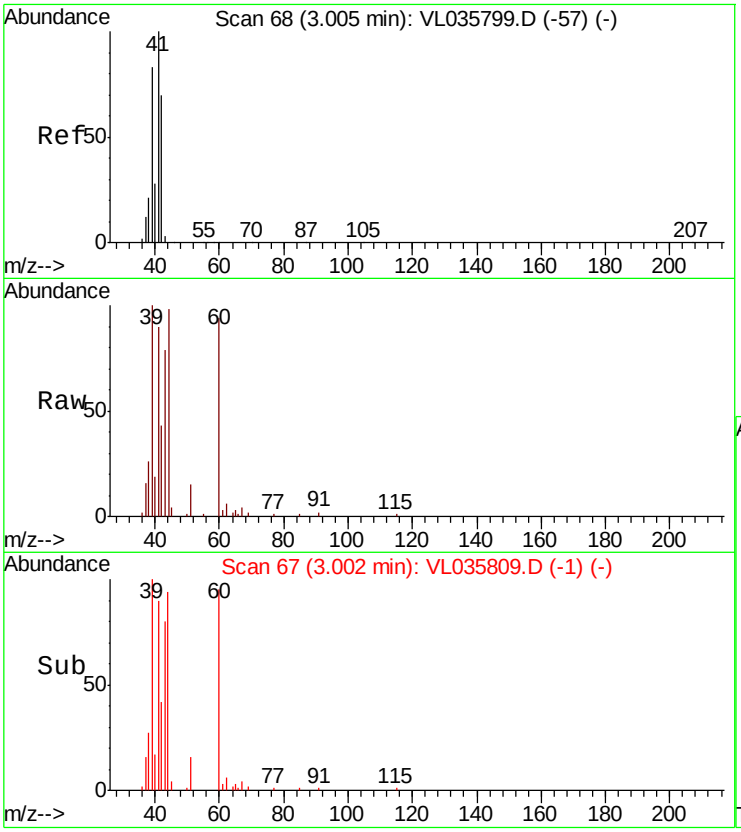


#4
Chloromethane
Concen: 0.519 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.01 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 50 Resp: 33417

Ion	Ratio	Lower	Upper
50	100		
52	35.3	27.1	40.7



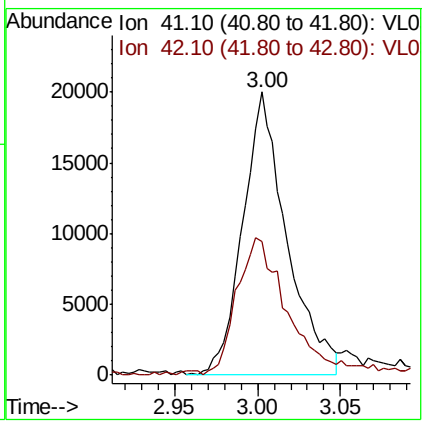


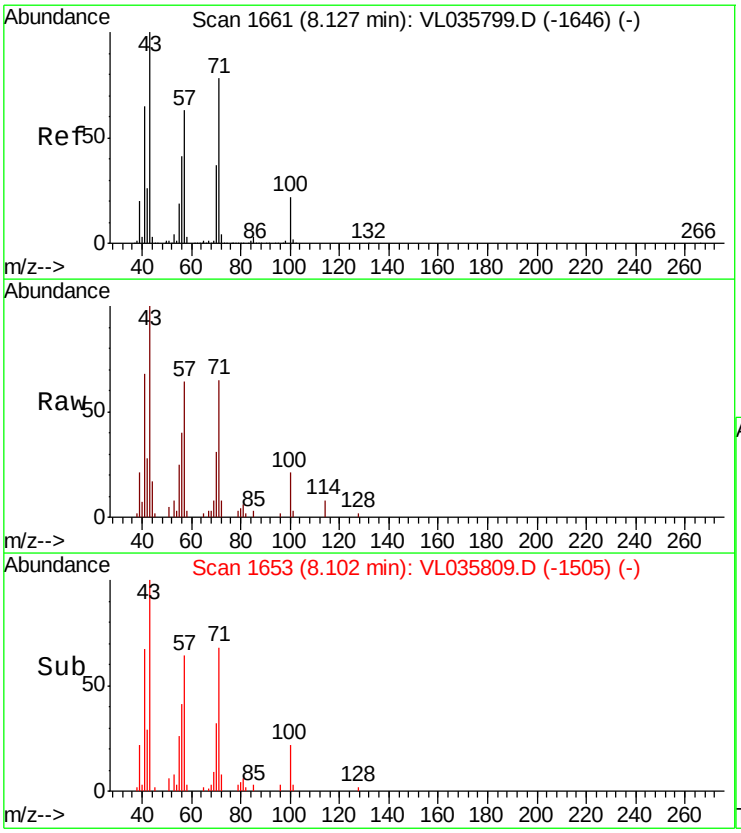
#9
Propene
Concen: 0.761 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.00 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 36925

Ion	Ratio	Lower	Upper
41	100		
42	59.2	56.2	84.4

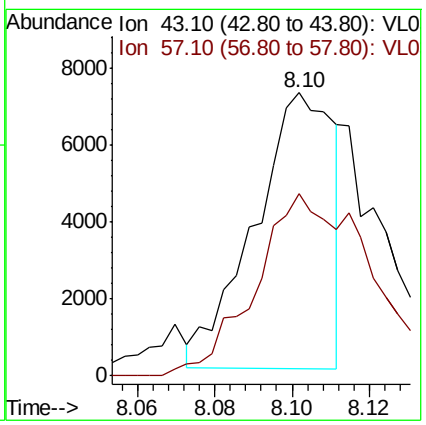


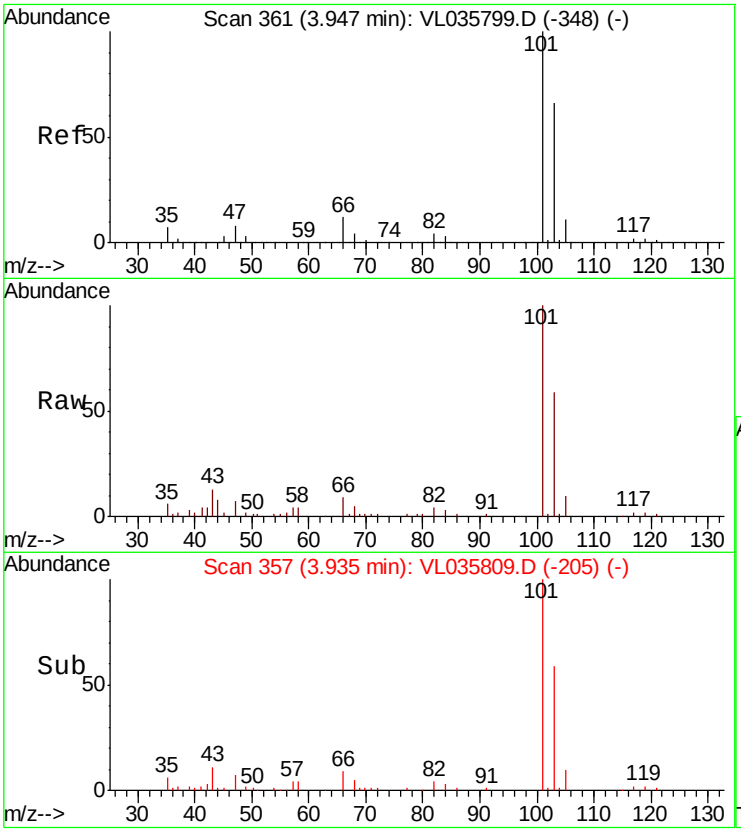


#10
Heptane
Concen: 0.076 ppbv
RT: 8.10 min Scan# 1653
Delta R.T. -0.03 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 43 Resp: 10217

Ion	Ratio	Lower	Upper
43	100		
57	100.1	50.0	75.0#



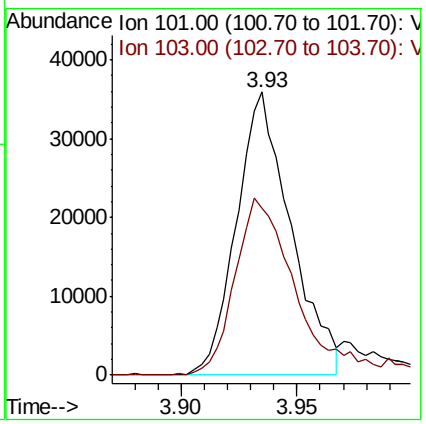


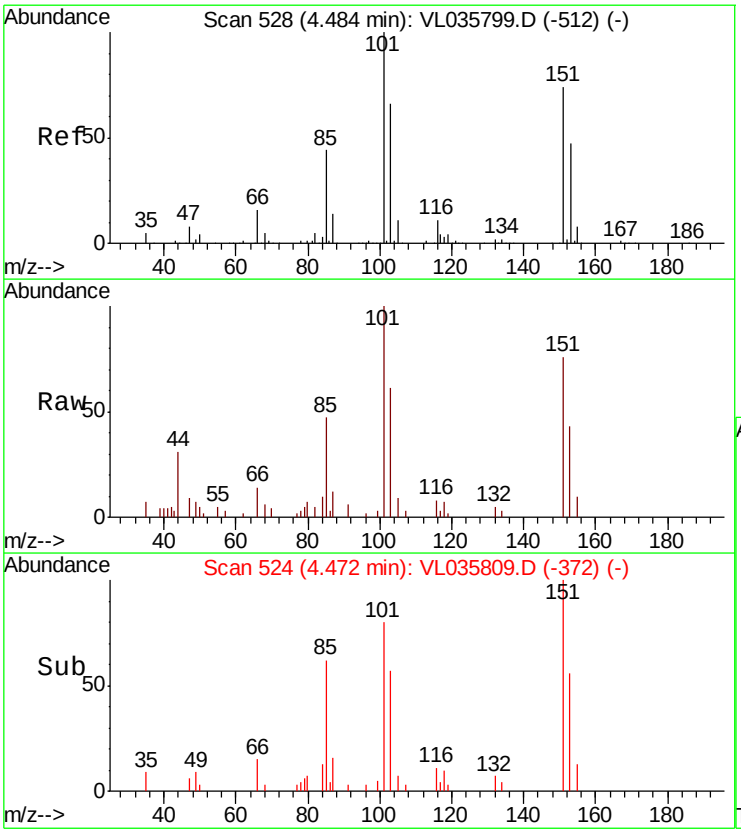
#11
Trichlorofluoromethane
Concen: 0.223 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.01 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 58438

Ion	Ratio	Lower	Upper
101	100		
103	59.0	53.0	79.4

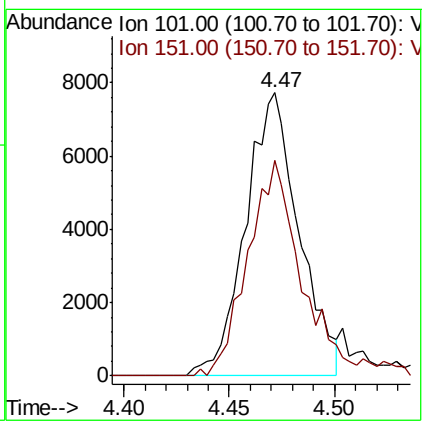


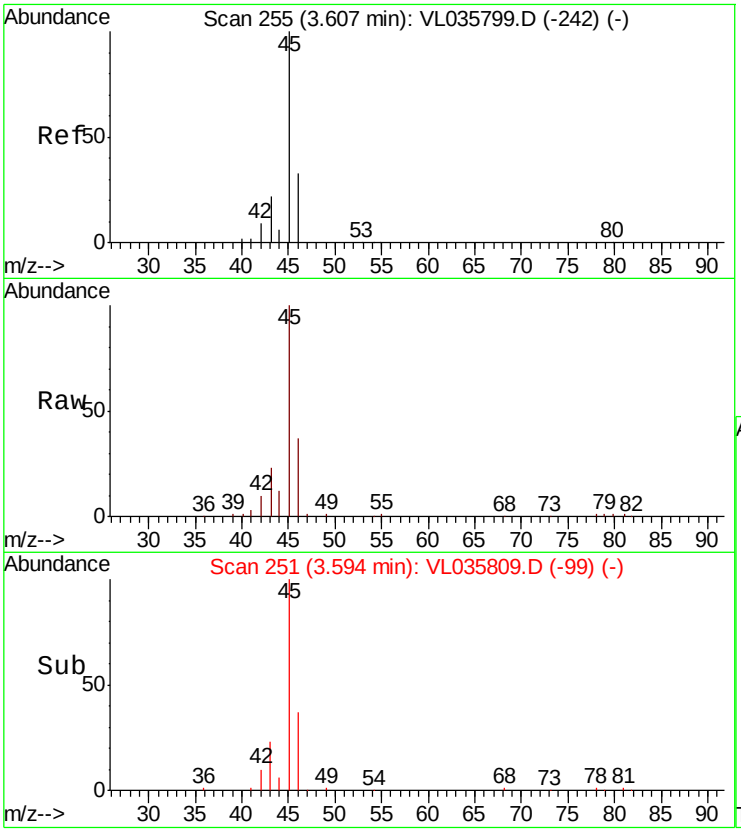


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.070 ppbv
RT: 4.47 min Scan# 524
Delta R.T. -0.01 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion:101 Resp: 13613

Ion	Ratio	Lower	Upper
101	100		
151	78.4	58.9	88.3



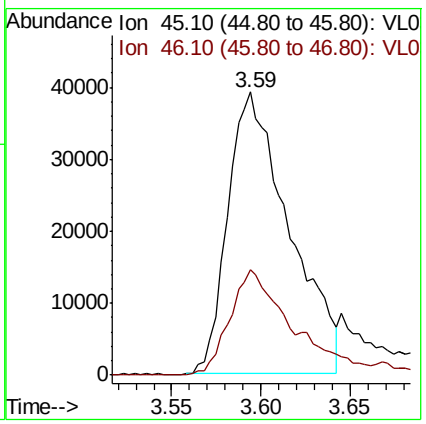


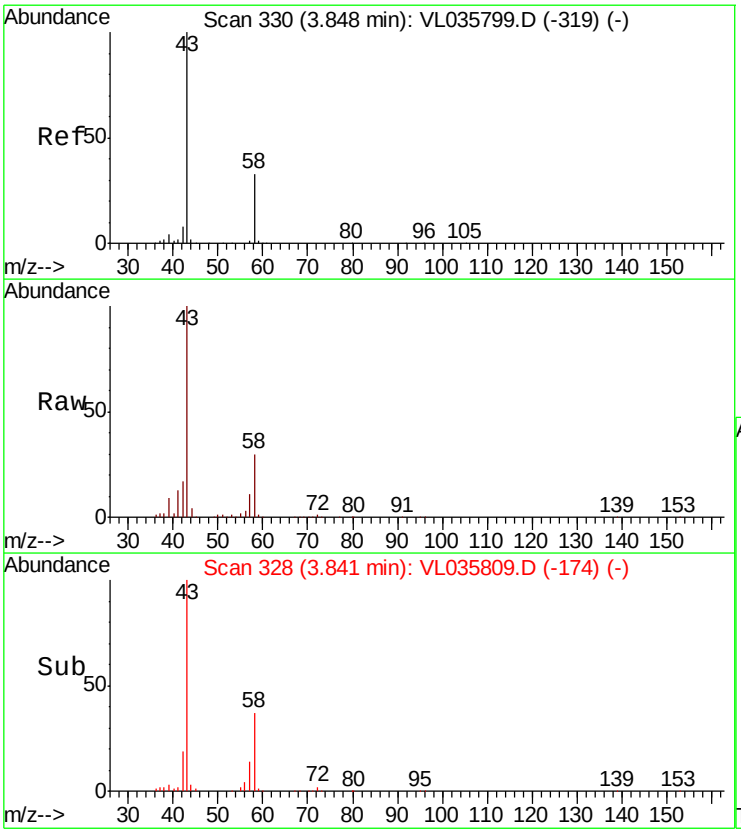
#13
Ethanol
Concen: 8.932 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 94013

Ion	Ratio	Lower	Upper
45	100		
46	42.6	16.1	64.5

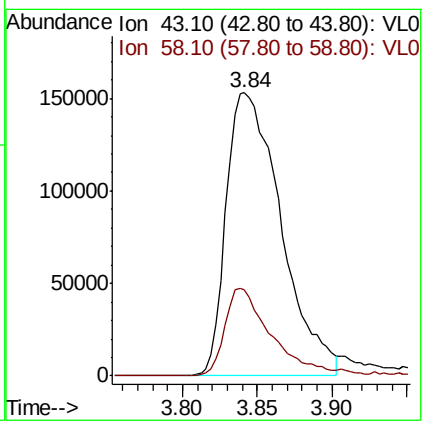


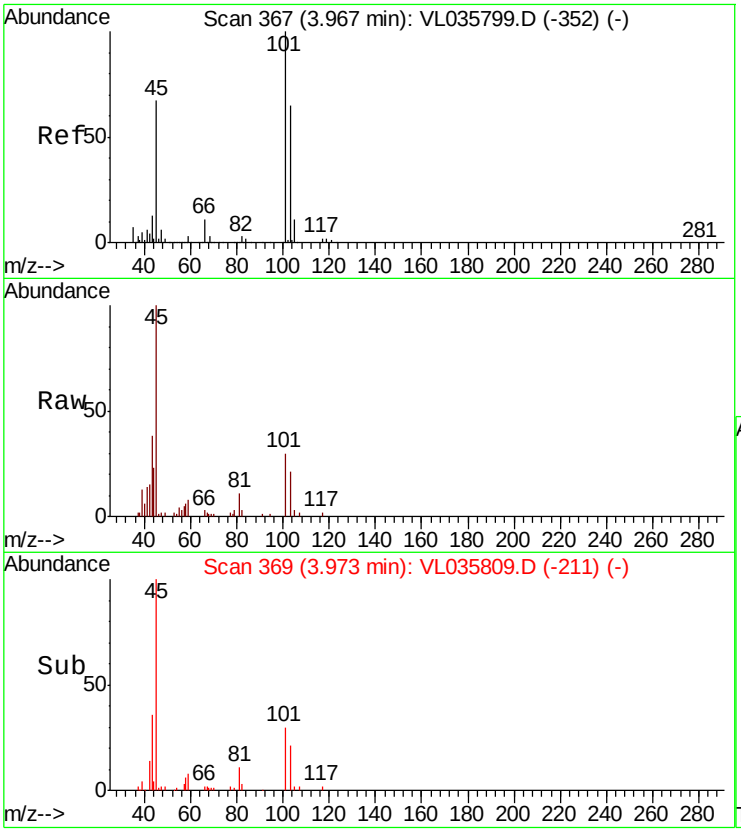


#15
Acetone
Concen: 3.287 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 43 Resp: 388980

Ion	Ratio	Lower	Upper
43	100		
58	27.3	27.5	41.3#



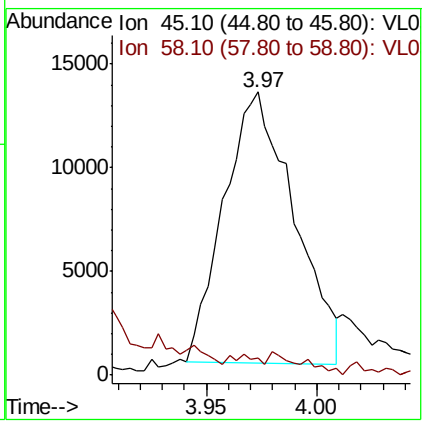


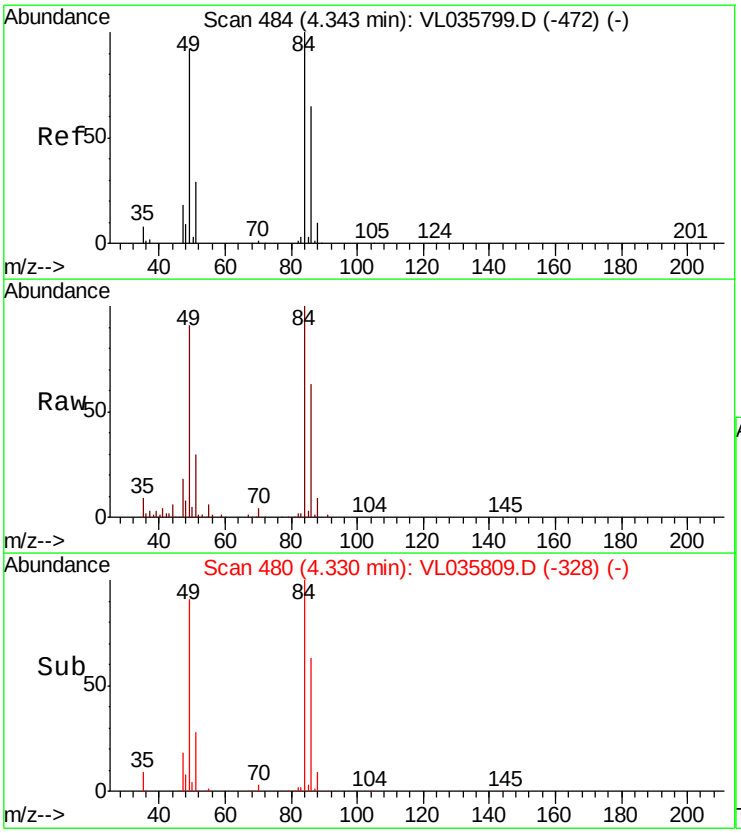
#19
Isopropyl Alcohol
Concen: 0.395 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.01 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 28753

Ion	Ratio	Lower	Upper
45	100		
58	378.2	2.6	3.8#

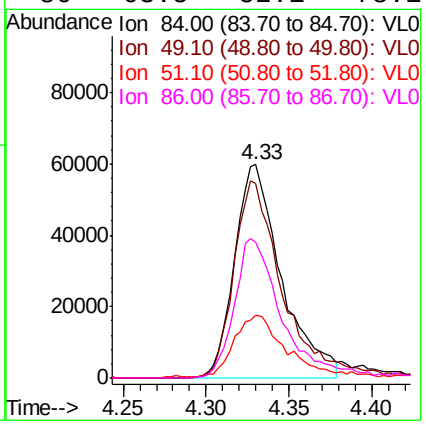


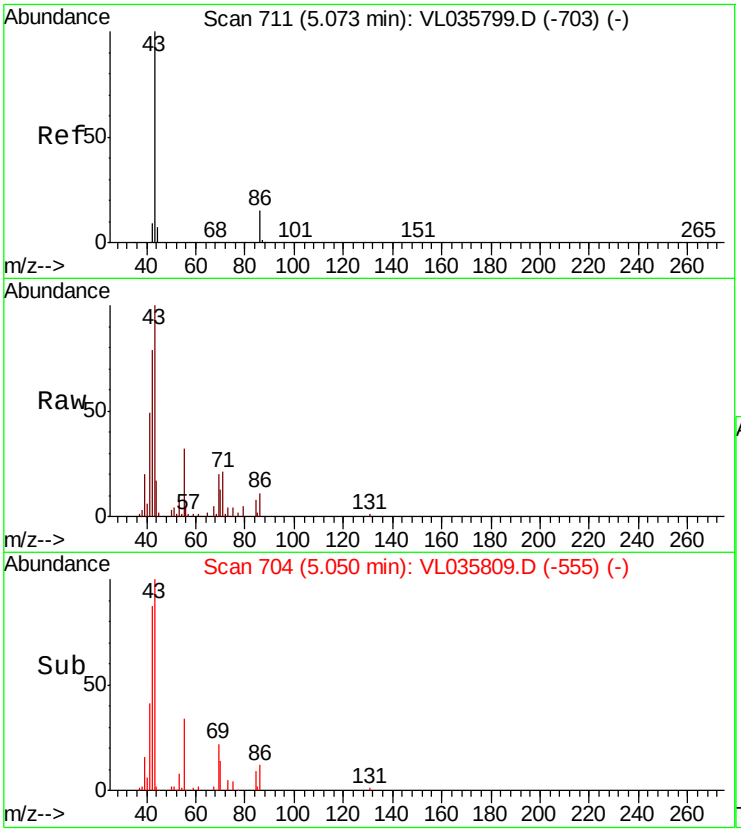


#20
Methylene Chloride
Concen: 1.410 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 84 Resp: 117453

Ion	Ratio	Lower	Upper
84	100		
49	91.0	73.8	110.8
51	28.8	23.0	34.4
86	63.5	52.1	78.1



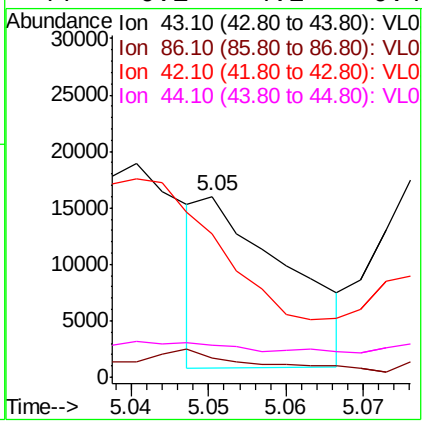


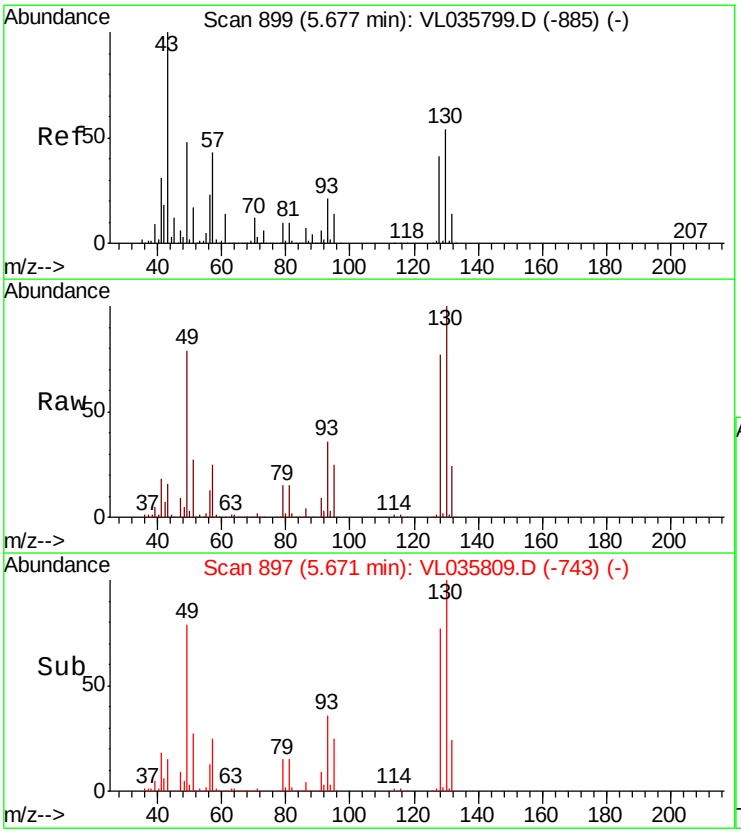
#23
Vinyl Acetate
Concen: 0.071 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.02 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 11749

Ion	Ratio	Lower	Upper
43	100		
86	8.4	9.8	14.6#
42	88.1	8.1	12.1#
44	6.1	4.2	6.4

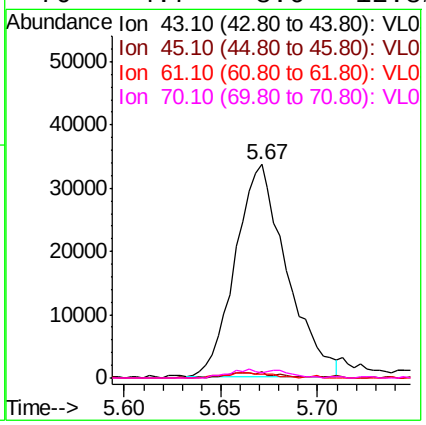


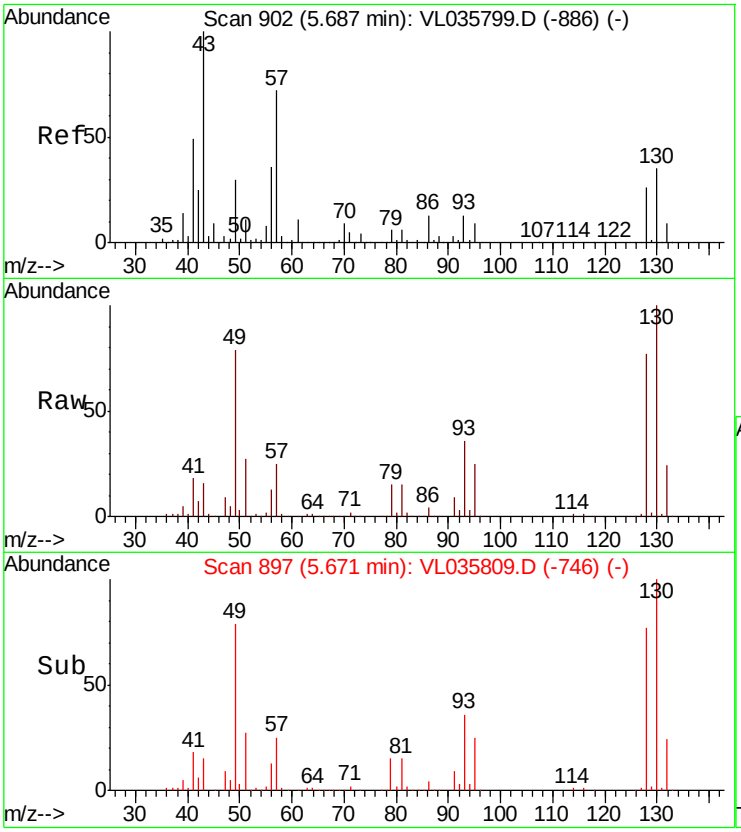


#25
Ethyl Acetate
Concen: 0.266 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 43 Resp: 62065

Ion	Ratio	Lower	Upper
43	100		
45	3.2	8.5	12.7#
61	2.3	10.7	16.1#
70	4.7	8.6	12.8#



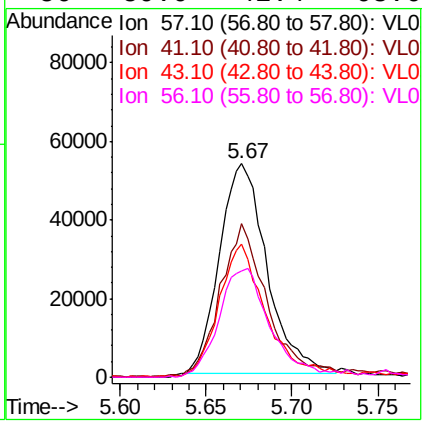


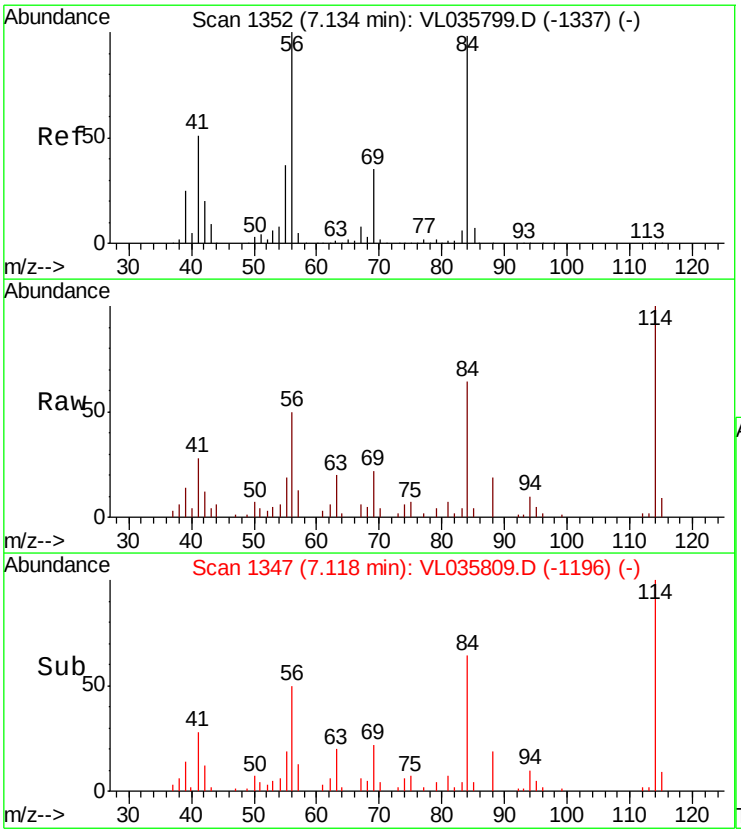
#26
Hexane
Concen: 0.803 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 103201

Ion	Ratio	Lower	Upper
57	100		
41	76.9	58.9	88.3
43	64.4	150.2	225.2#
56	59.0	42.4	63.6

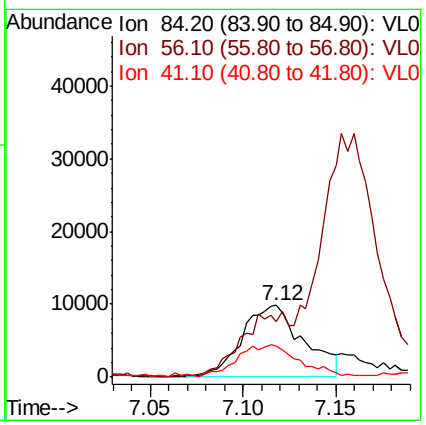


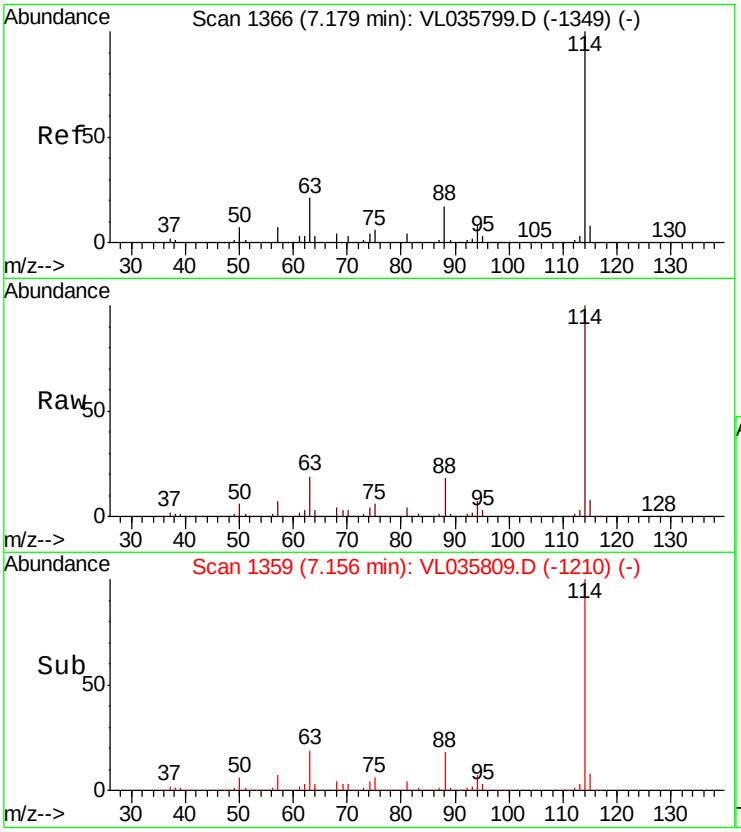


#30
Cyclohexane
Concen: 0.163 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 84 Resp: 22783

Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	46.1	42.1	63.1



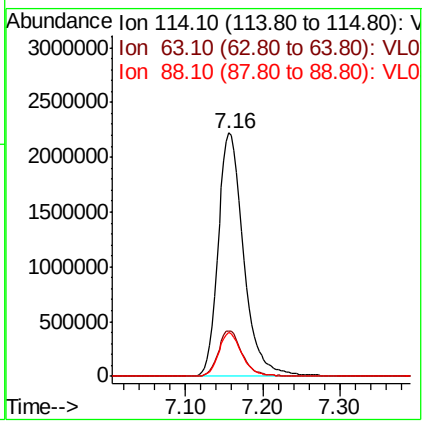


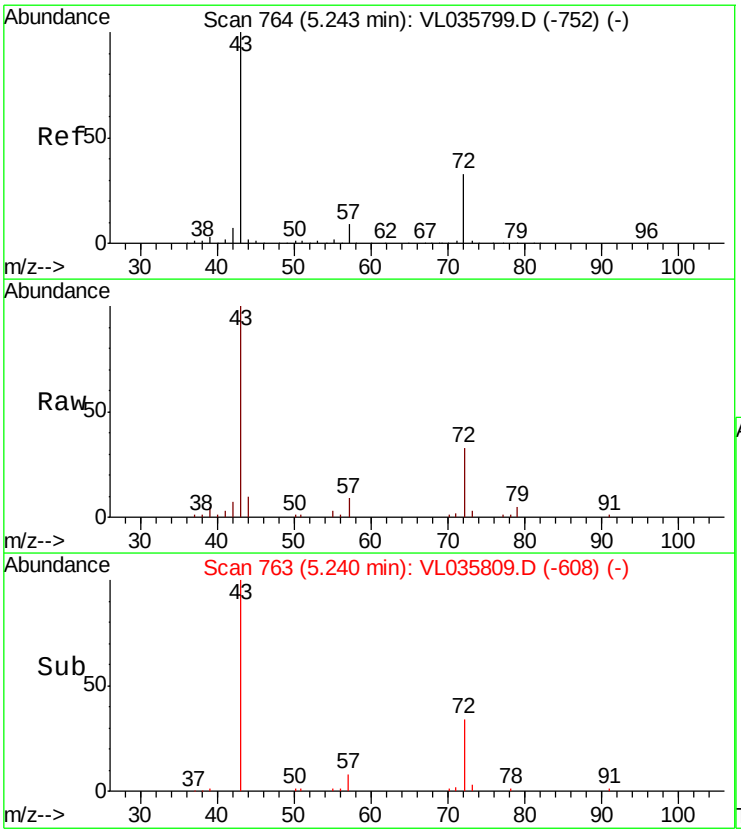
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 5105112

Ion	Ratio	Lower	Upper
114	100		
63	17.9	16.1	24.1
88	16.7	13.7	20.5

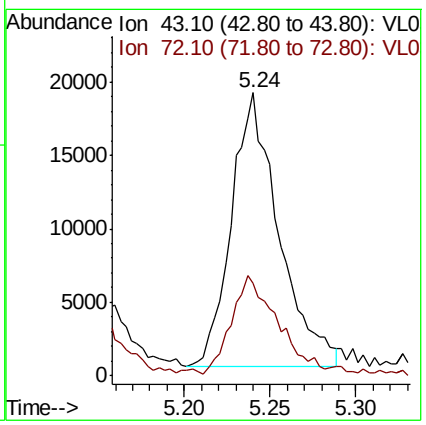


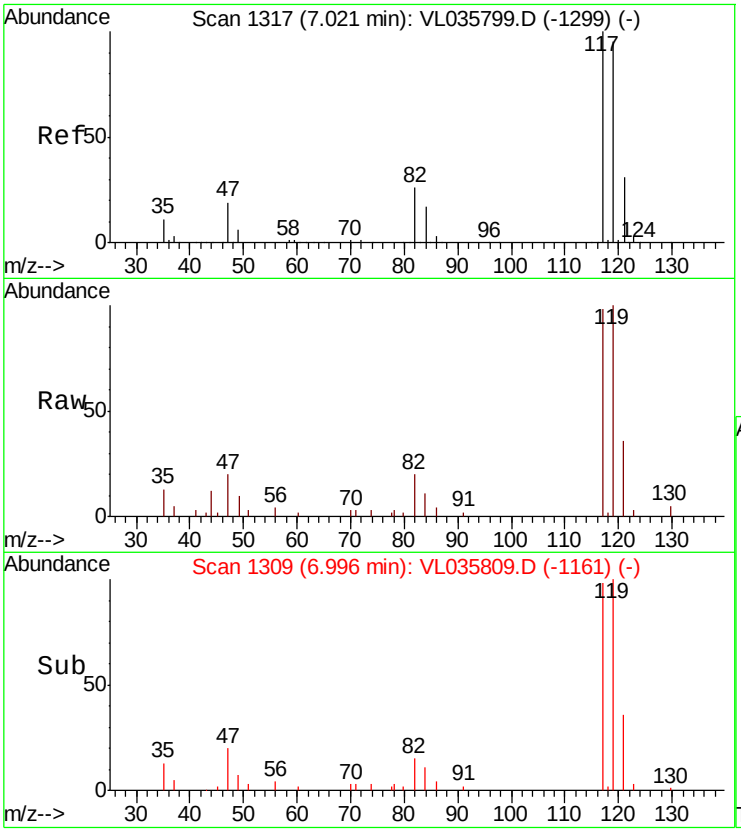


#34
2-Butanone
Concen: 0.218 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.00 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 43 Resp: 36050

Ion	Ratio	Lower	Upper
43	100		
72	38.6	26.5	39.7



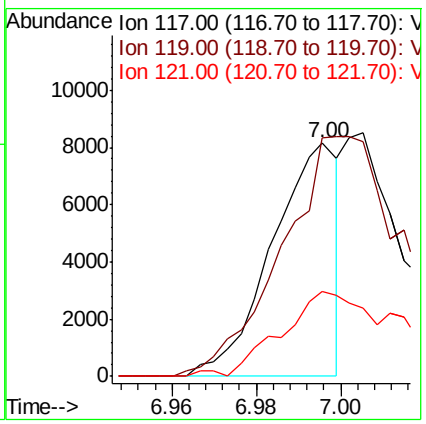


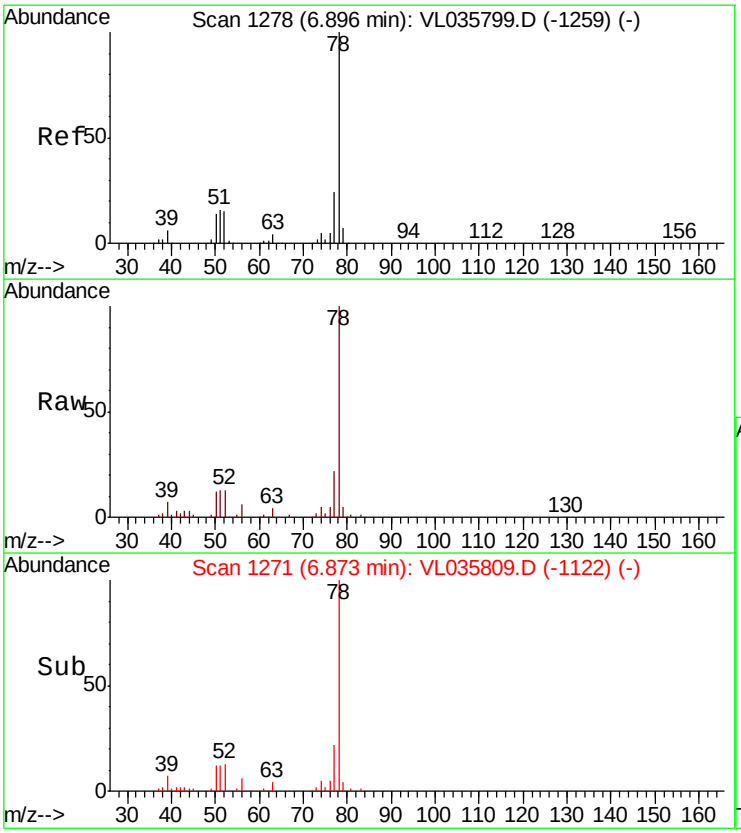
#35
Carbon Tetrachloride
Concen: 0.032 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.03 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 8860

Ion	Ratio	Lower	Upper
117	100		
119	99.8	75.6	113.4
121	36.5	25.1	37.7

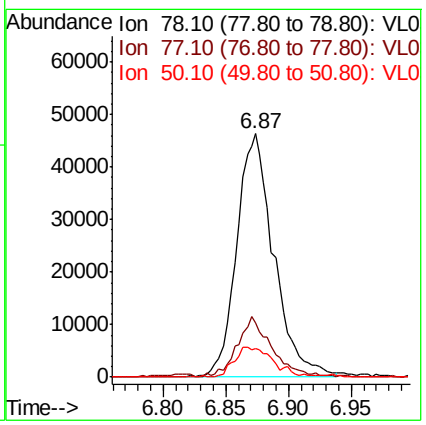


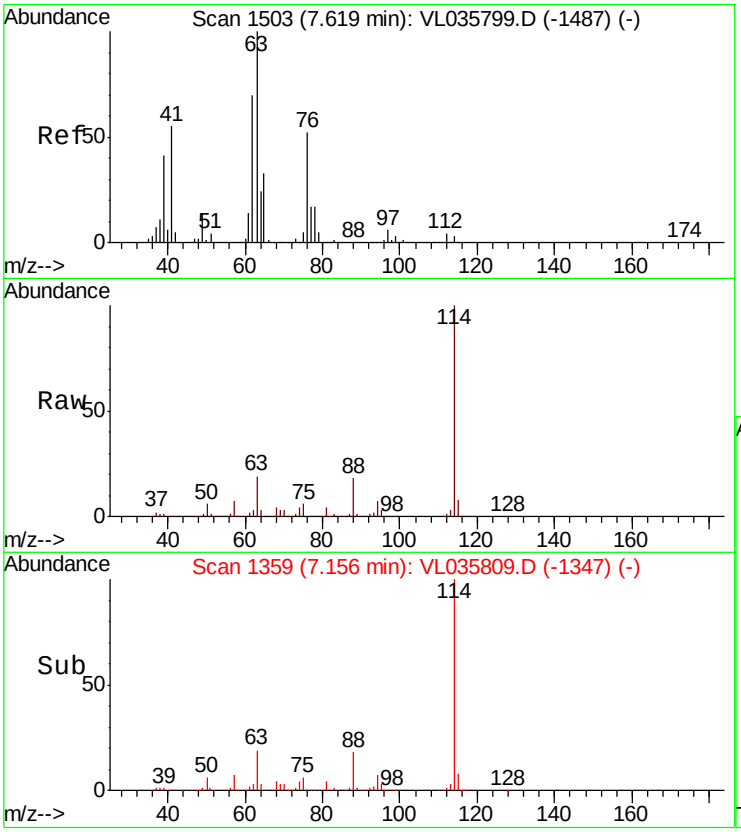


#36
Benzene
Concen: 0.251 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 78 Resp: 95263

Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.3	28.9
50	11.6	11.4	17.2



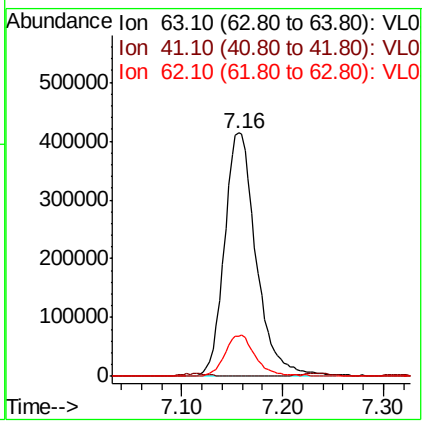


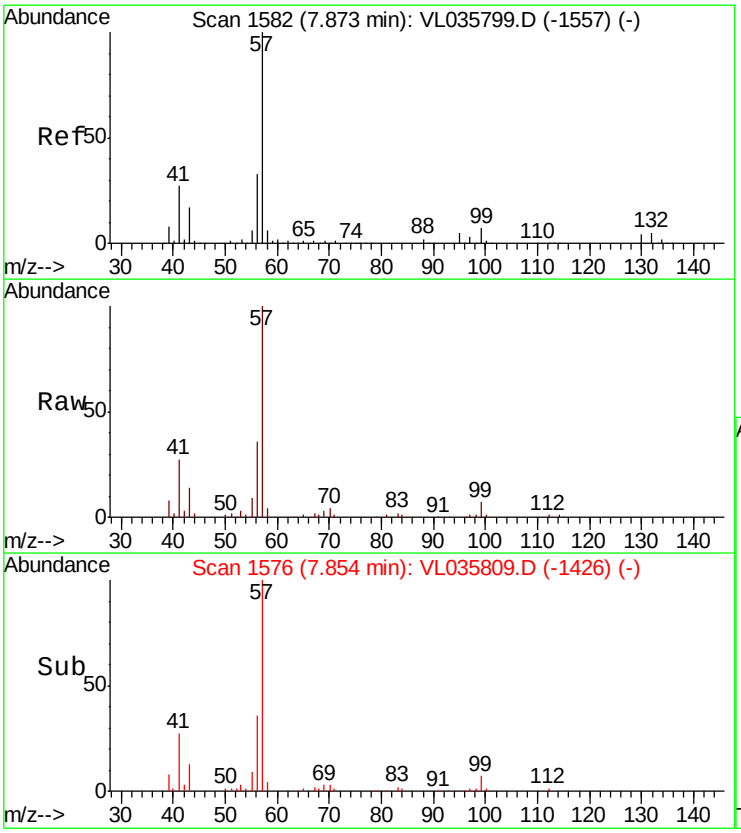
#39
1,2-Dichloropropane
Concen: 7.090 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.46 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 905943

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.4	56.2	84.2#

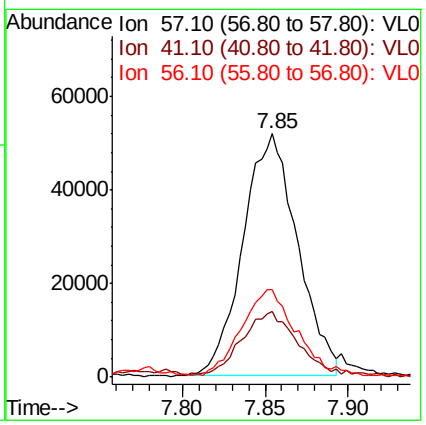


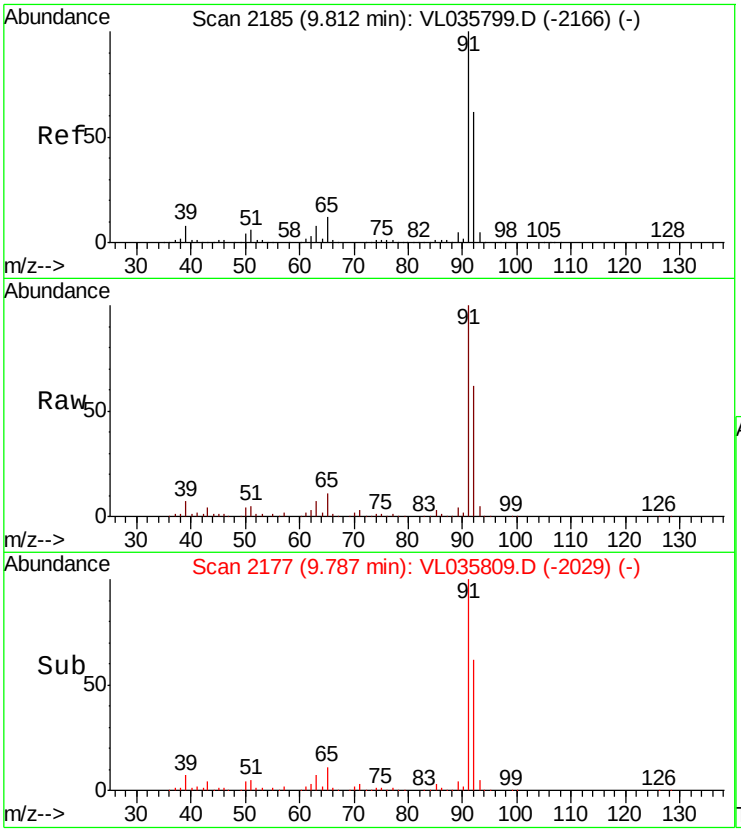


#44
2,2,4-Trimethylpentane
Concen: 0.235 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.02 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 57 Resp: 118090

Ion	Ratio	Lower	Upper
57	100		
41	27.5	21.0	31.4
56	38.0	25.4	38.0



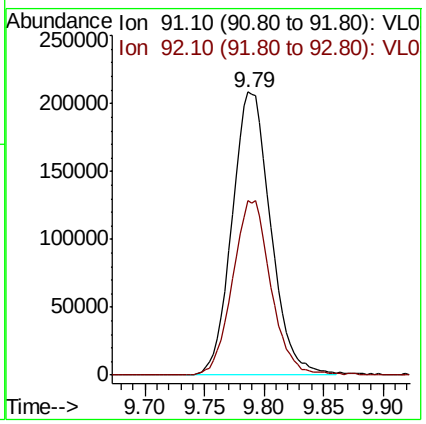


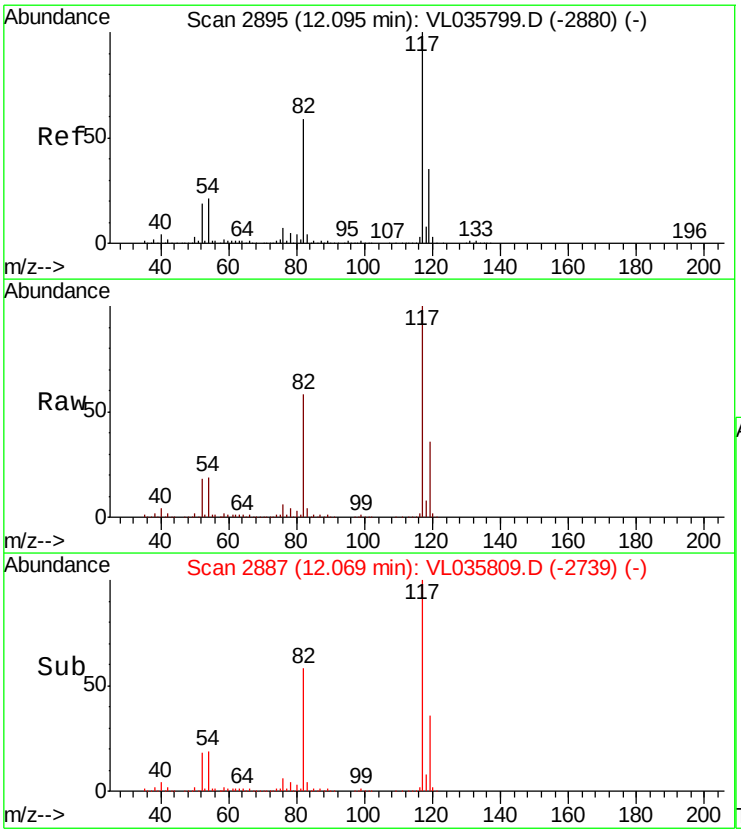
#53
Toluene
Concen: 1.024 ppbv
RT: 9.79 min Scan# 2177
Delta R.T. -0.03 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 468967

Ion	Ratio	Lower	Upper
91	100		
92	61.6	49.8	74.6

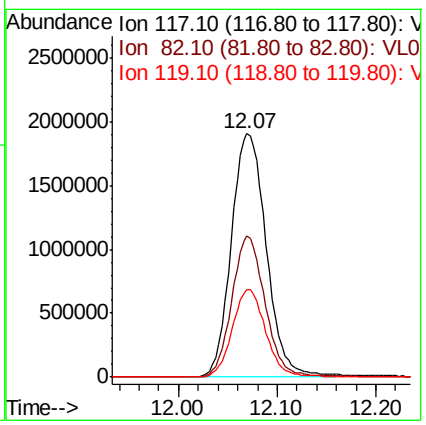


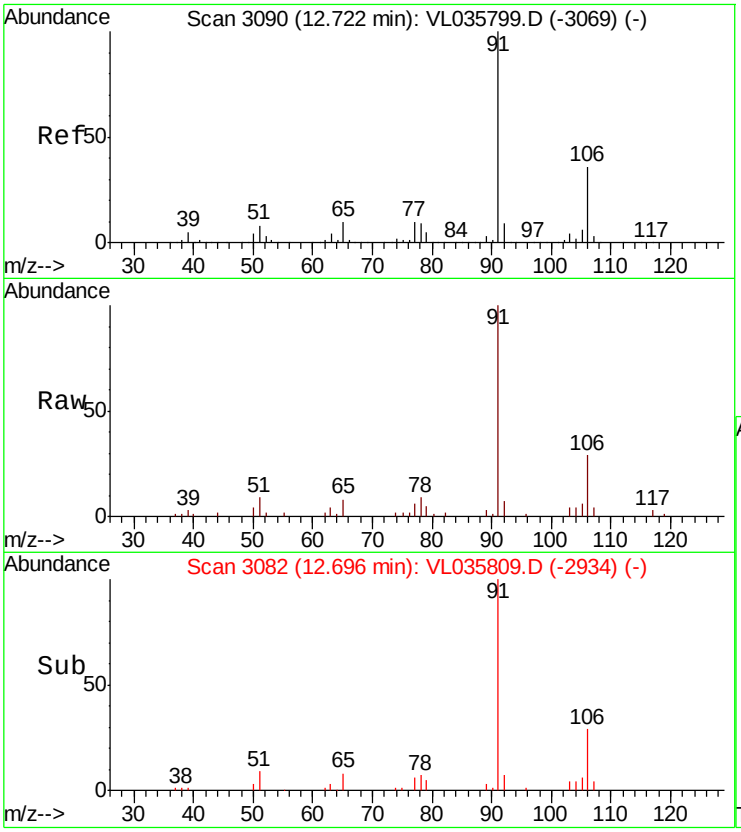


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.03 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion:117 Resp: 4706811

Ion	Ratio	Lower	Upper
117	100		
82	55.7	50.6	76.0
119	34.7	52.6	78.8#



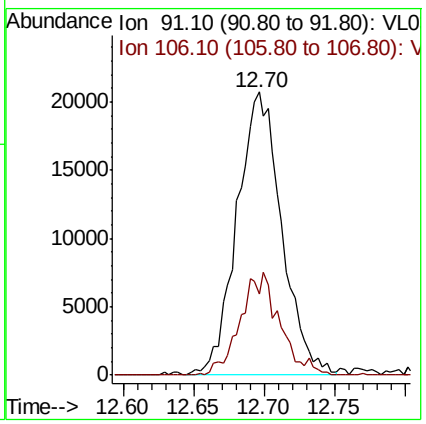


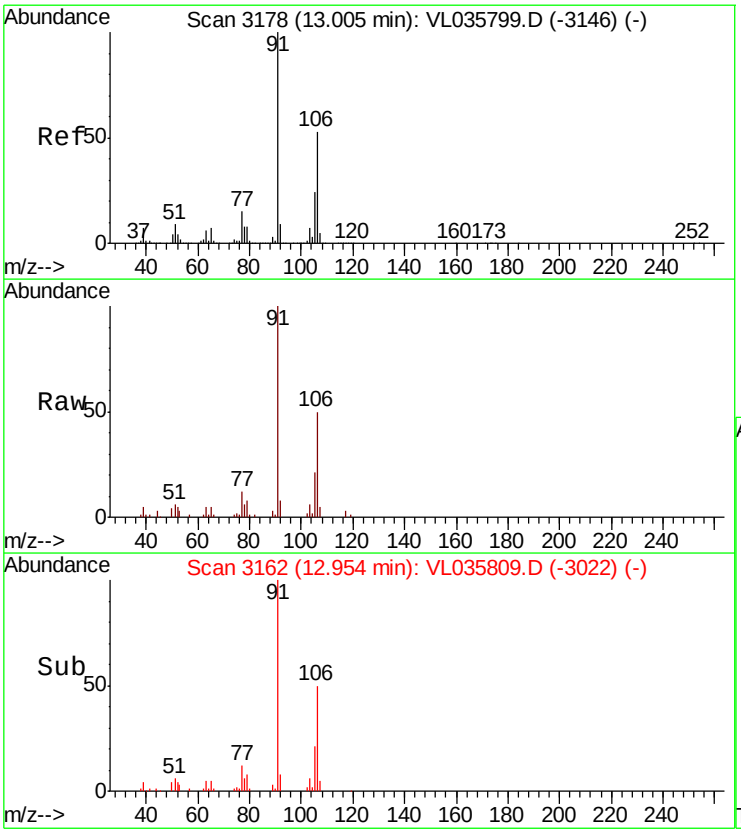
#58
Ethyl Benzene
Concen: 0.080 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. -0.03 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 46000

Ion	Ratio	Lower	Upper
91	100		
106	28.6	28.6	43.0#

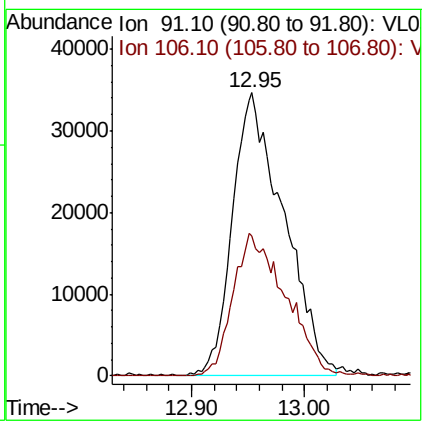


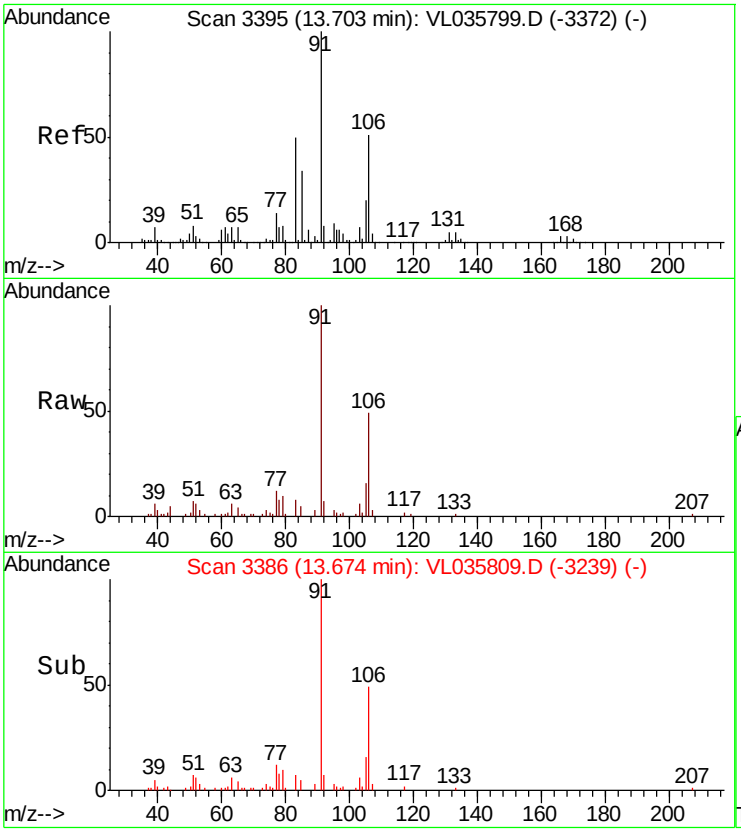


#59
m/p-Xylene
Concen: 0.225 ppbv
RT: 12.95 min Scan# 3162
Delta R.T. -0.05 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 91 Resp: 108975

Ion	Ratio	Lower	Upper
91	100		
106	51.8	39.5	59.3



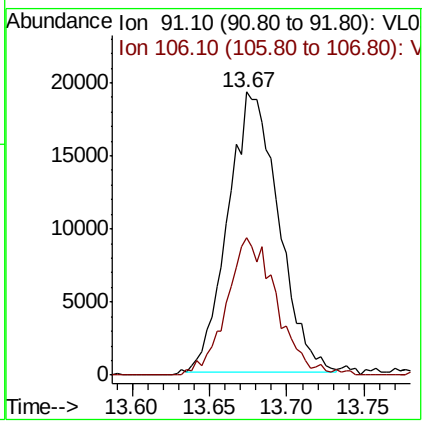


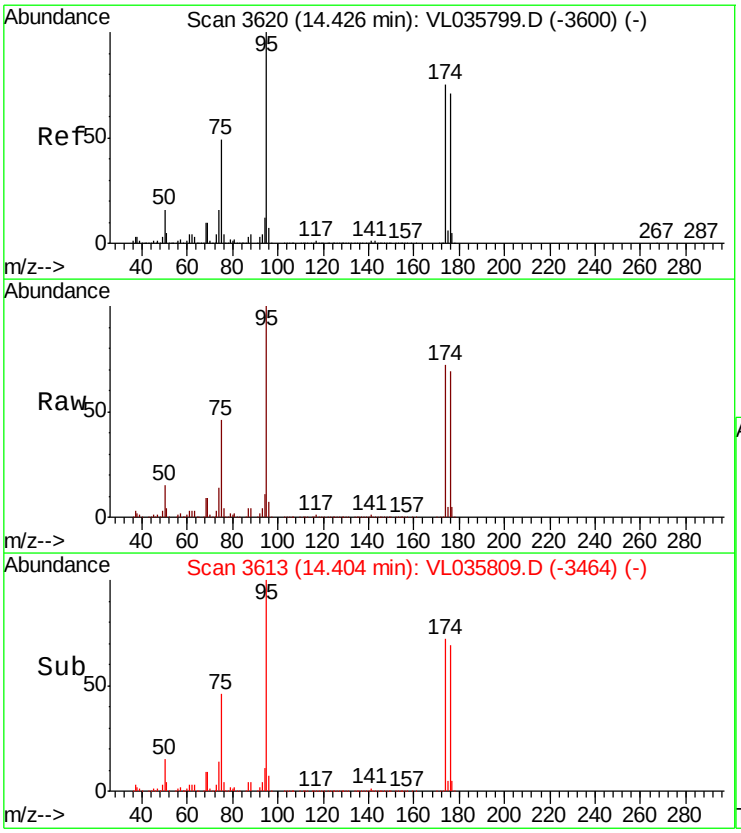
#60
o-Xylene
Concen: 0.092 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 43571

Ion	Ratio	Lower	Upper
91	100		
106	48.5	24.8	74.4

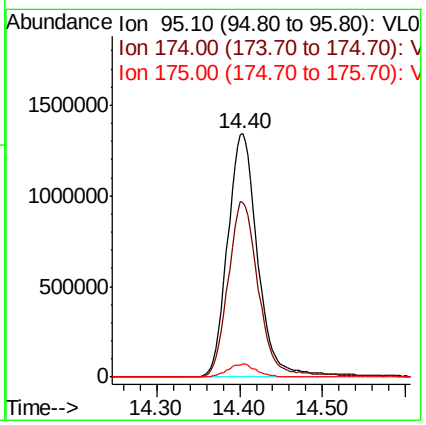


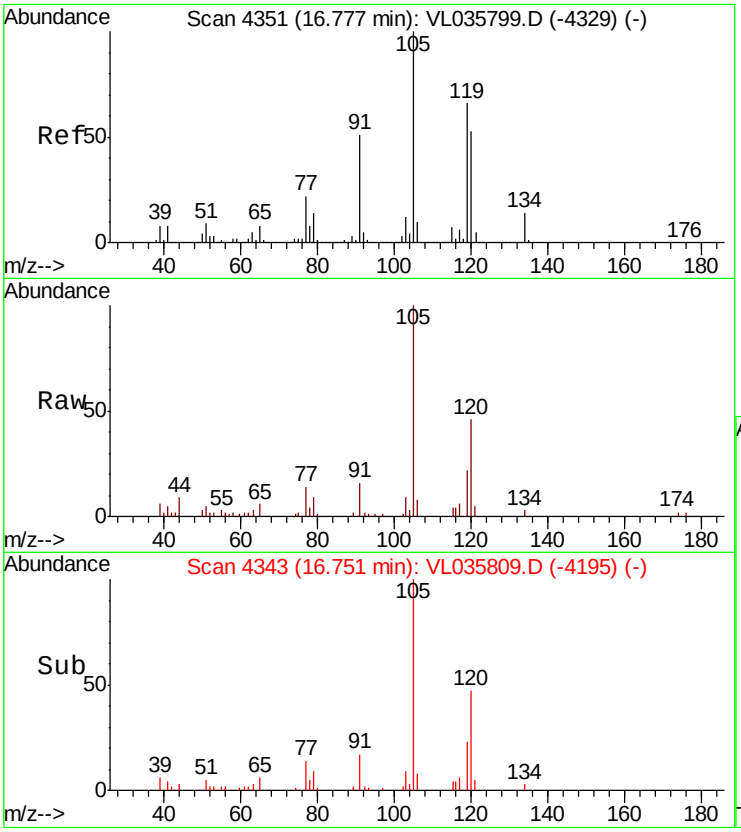


#68
1-Bromo-4-Fluorobenzene
Concen: 10.132 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.02 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion: 95 Resp: 3388285

Ion	Ratio	Lower	Upper
95	100		
174	74.3	59.8	89.6
175	5.4	4.3	6.5



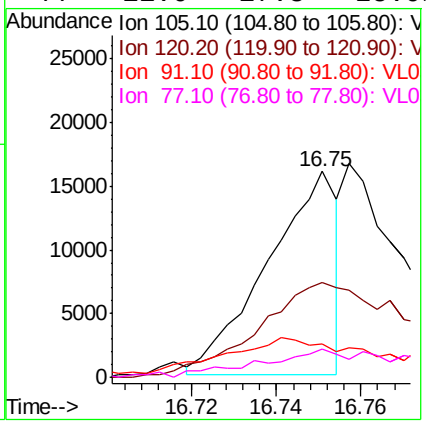


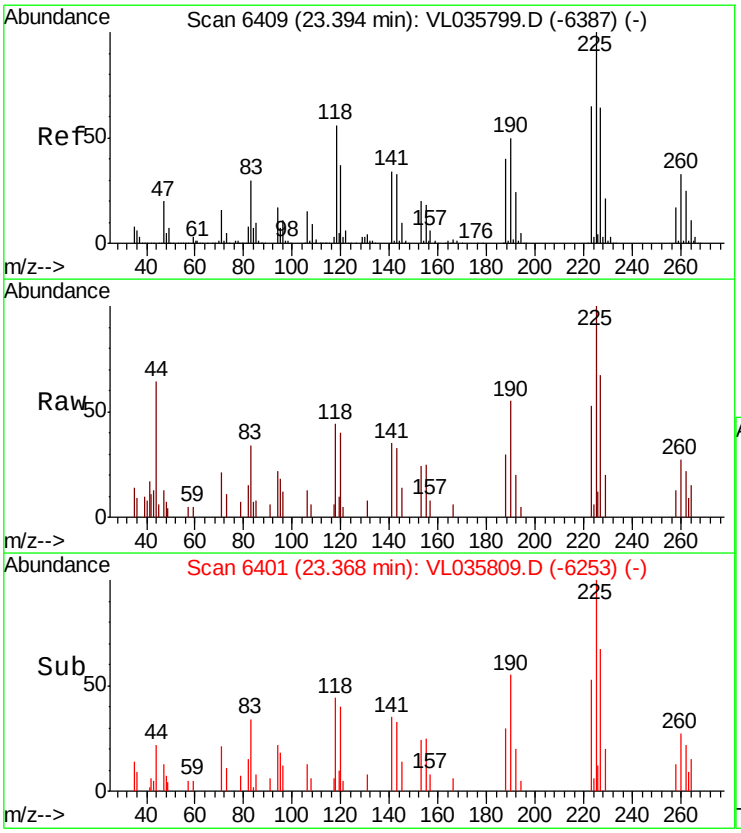
#74
1,2,4-Trimethylbenzene
Concen: 0.033 ppbv
RT: 16.75 min Scan# 4343
Delta R.T. -0.03 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 18410

Ion	Ratio	Lower	Upper
105	100		
120	41.8	42.0	63.0#
91	9.3	41.0	61.6#
77	11.0	17.3	25.9#

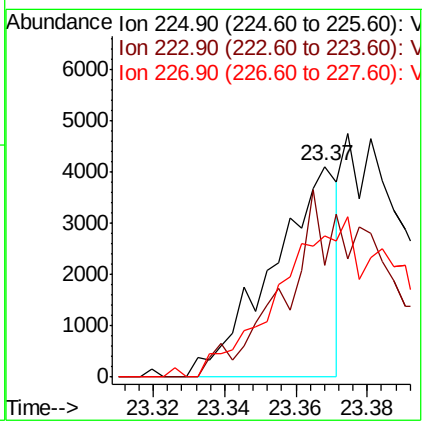


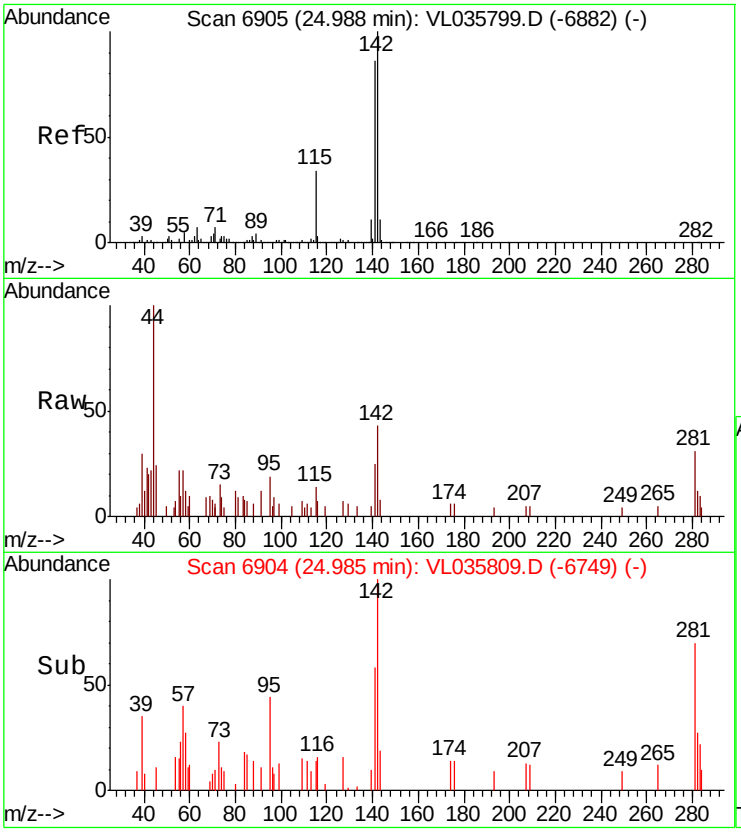


#78
Hexachloro-1,3-Butadiene
Concen: 0.032 ppbv
RT: 23.37 min Scan# 6401
Delta R.T. -0.03 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Tgt Ion:225 Resp: 5229

Ion	Ratio	Lower	Upper
225	100		
223	137.6	51.0	76.6#
227	0.0	51.2	76.8#





#80
Naphthalene,2-methyl-
Concen: 0.089 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. -0.00 min
Lab File: VL035809.D
Acq: 3 Nov 2020 18:42

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 5672

Ion	Ratio	Lower	Upper
142	100		
141	74.4	67.8	101.8
115	33.8	28.1	42.1