Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
Data File : VL037818.D
Acq On : 8 Oct 2021 5:35
Operator : SY/AP
Sample : M4079-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P13

Quant Time: Oct 08 10:10:17 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1179892	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3557292	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3118520	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2181851	10.00	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.00%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.98	51	48603	0.214	ppbv	99
4) Chloromethane	3.13	50	25024	0.301	ppbv #	86
7) Chloroethane	3.55	64	627	0.022	ppbv #	40
9) Propene	3.00	41	20835	0.250	ppbv #	1
11) Trichlorofluoromethane	3.94	101	40096	0.238	ppbv #	72
12) 1,1,2-Trichlorotrifluoroet	4.48	101	5519	0.043	ppbv #	50
13) Ethanol	3.60	45	59748	8.758	ppbv	80
15) Acetone	3.84	43	768548	7.256	ppbv #	88
16) 1,3-Butadiene	3.30	39	57389	0.745	ppbv #	23
17) tert-Butyl alcohol	4.29	59	5983	0.055	ppbv #	71
19) Isopropyl Alcohol	3.96	45	11108	0.169	ppbv #	96
20) Methylene Chloride	4.34	84	209894	3.922	ppbv	98
23) Vinyl Acetate	5.05	43	68264	0.430	ppbv #	80
25) Ethyl Acetate	5.68	43	115796	0.390	ppbv #	82
26) Hexane	5.68	57	141702	0.968	ppbv #	45
27) Carbon Disulfide	4.55	76	2841	0.022	ppbv #	1
29) Chloroform	5.74	83	133491	0.638	ppbv	89
34) 2-Butanone	5.24	43	152874	1.065	ppbv #	89
36) Benzene	6.89	78	13604	0.045	ppbv #	88
39) 1,2-Dichloropropane	7.16	63	827760	7.243	ppbv #	28
51) 2-Hexanone	10.12	43	3126	0.037	ppbv #	29
52) Tetrachloroethene	11.21	164	1367697	11.570	ppbv	98
53) Toluene	9.79	91	36668	0.109	ppbv #	79
58) Ethyl Benzene	12.71	91	10580	0.025	ppbv	90
59) m/p-Xylene	12.98	91	15555	0.043	ppbv #	30
60) o-Xylene	13.67	91	27656	0.080	ppbv #	4
66) Benzyl Chloride	16.96	91	827	0.040	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.75	105	38682	0.104	ppbv #	70
79) Naphthalene	22.16	128	10527	0.046	ppbv #	94
80) Naphthalene,2-methyl-	24.97	142	9834	0.160	ppbv #	36

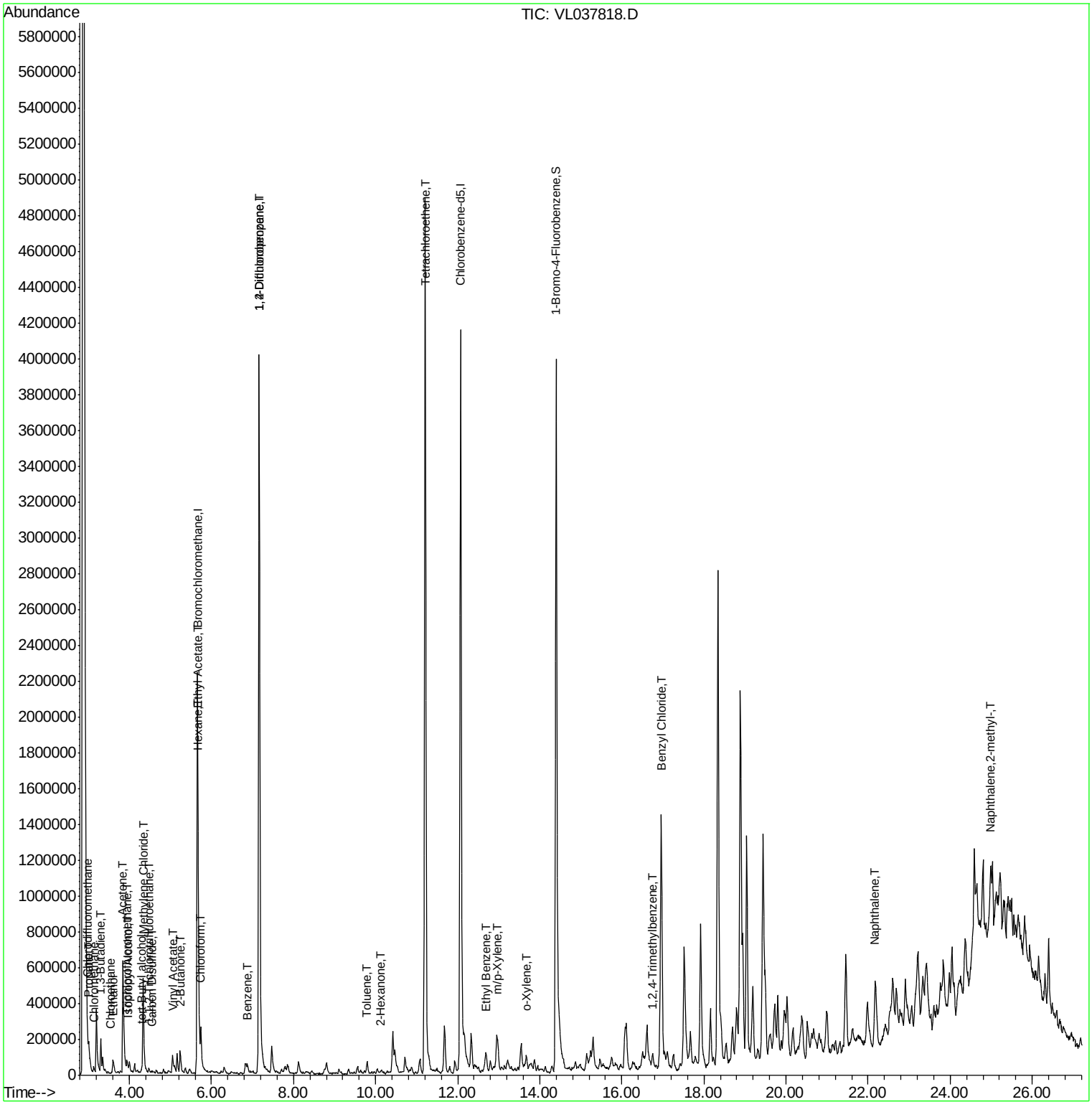
(#) = qualifier out of range (m) = manual integration (+) = signals summed

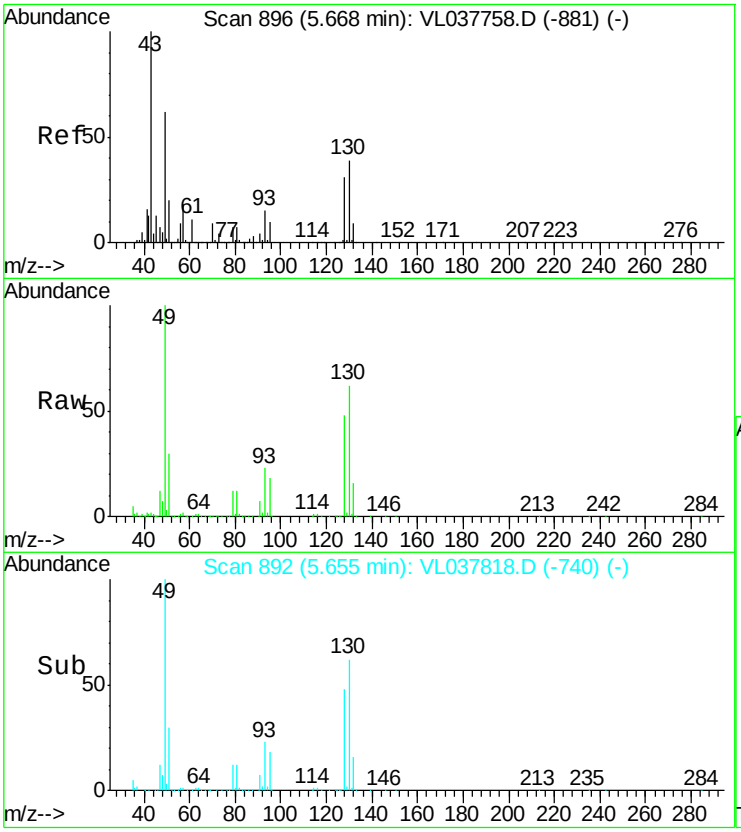
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
Data File : VL037818.D
Acq On : 8 Oct 2021 5:35
Operator : SY/AP
Sample : M4079-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P13

Quant Time: Oct 08 10:10:17 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration



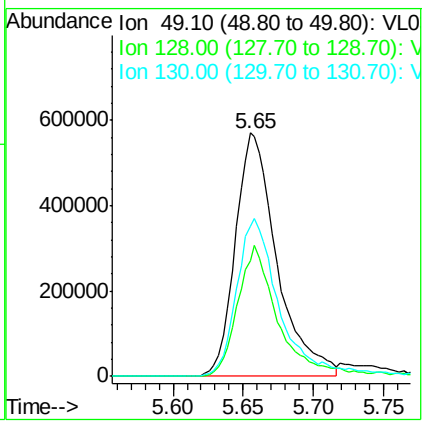


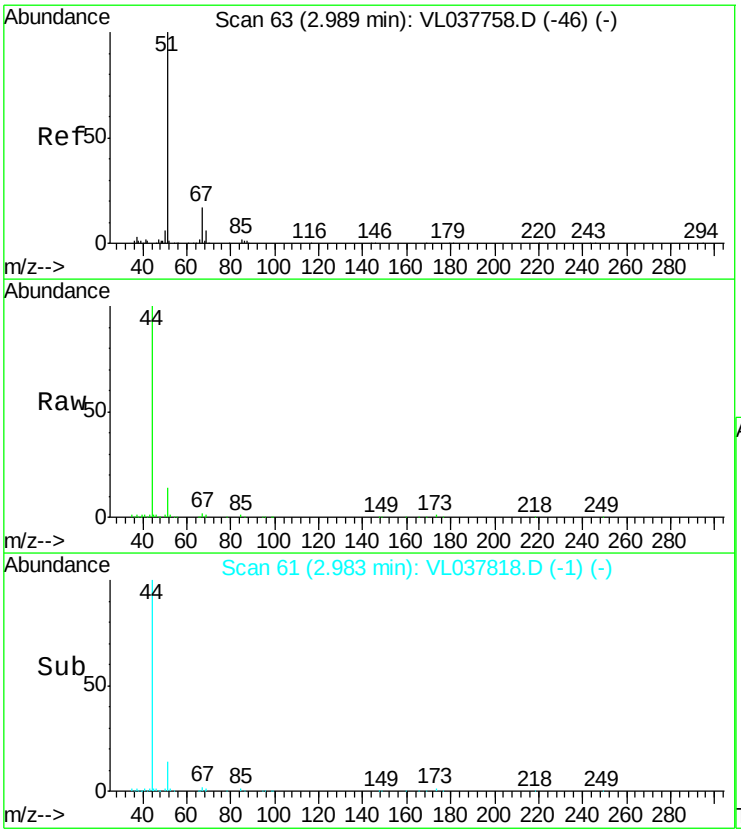
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument : MSVOA_L
ClientSampleId : C0P13

Tgt Ion: 49 Resp: 1179892

Ion	Ratio	Lower	Upper
49	100		
128	54.5	27.1	81.3
130	67.8	33.2	99.6

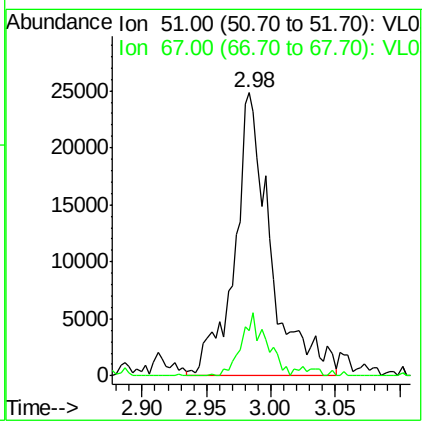


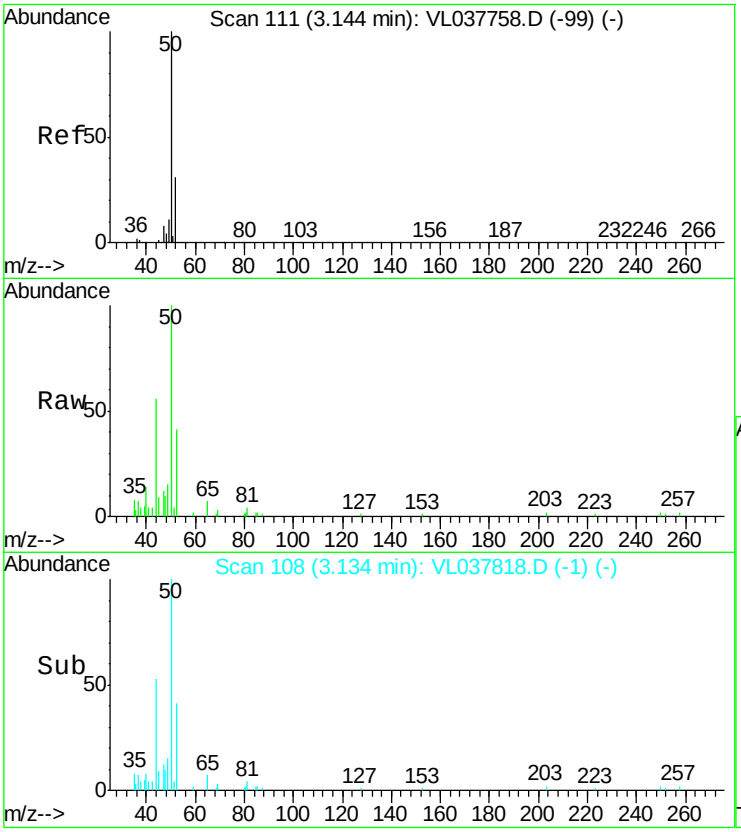


#3
Chlorodifluoromethane
Concen: 0.214 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion: 51 Resp: 48603

Ion	Ratio	Lower	Upper
51	100		
67	17.2	13.5	20.3



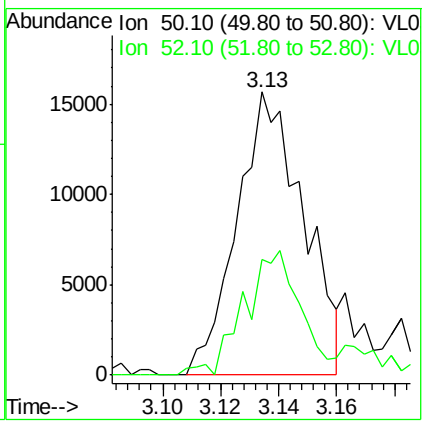


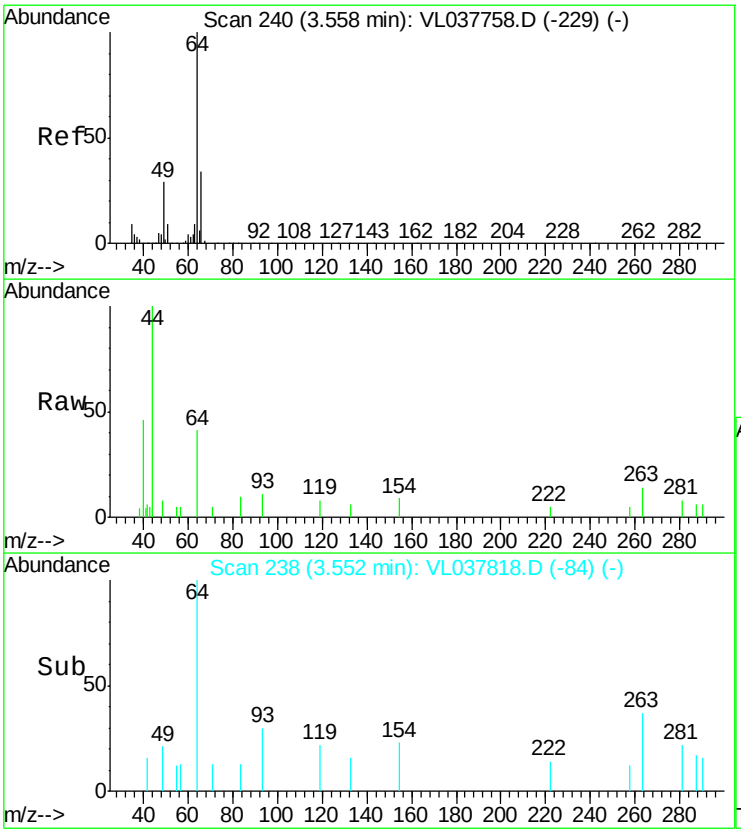
#4
Chloromethane
Concen: 0.301 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument :
MSVOA_L
ClientSampleId :
C0P13

Tgt Ion: 50 Resp: 25024

Ion	Ratio	Lower	Upper
50	100		
52	38.4	24.4	36.6#

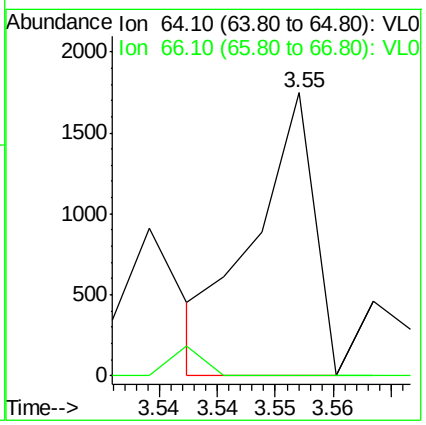


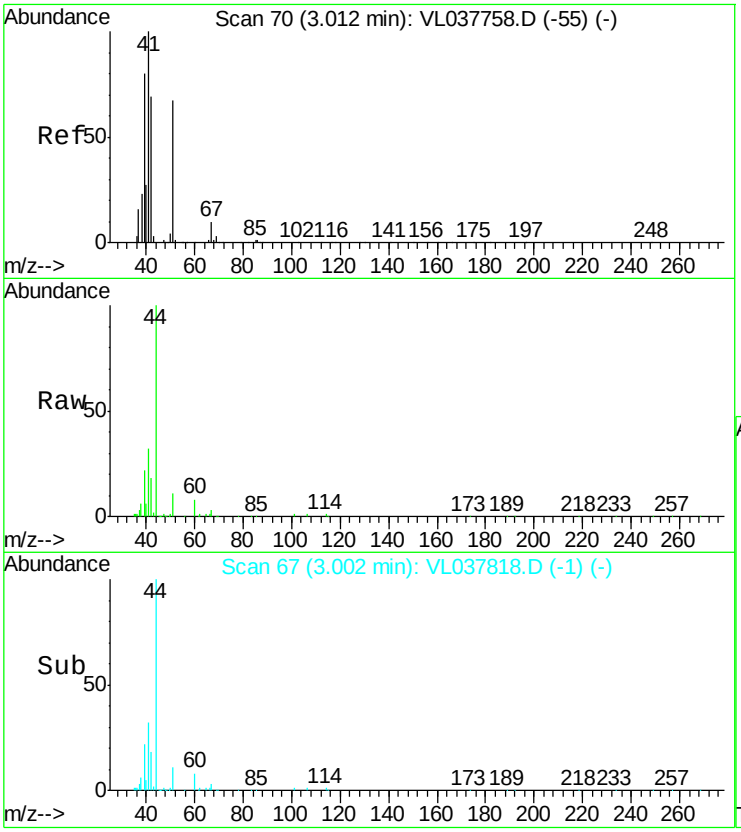


#7
Chloroethane
Concen: 0.022 ppbv
RT: 3.55 min Scan# 238
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion: 64 Resp: 627

Ion	Ratio	Lower	Upper
64	100		
66	0.0	27.5	41.3#



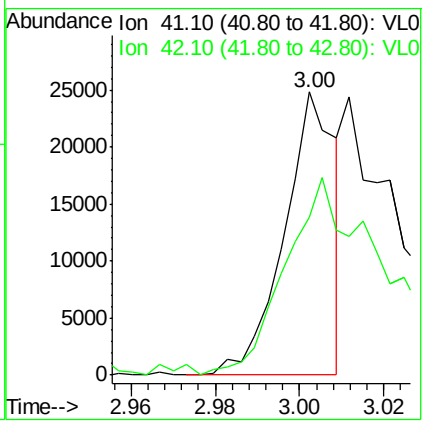


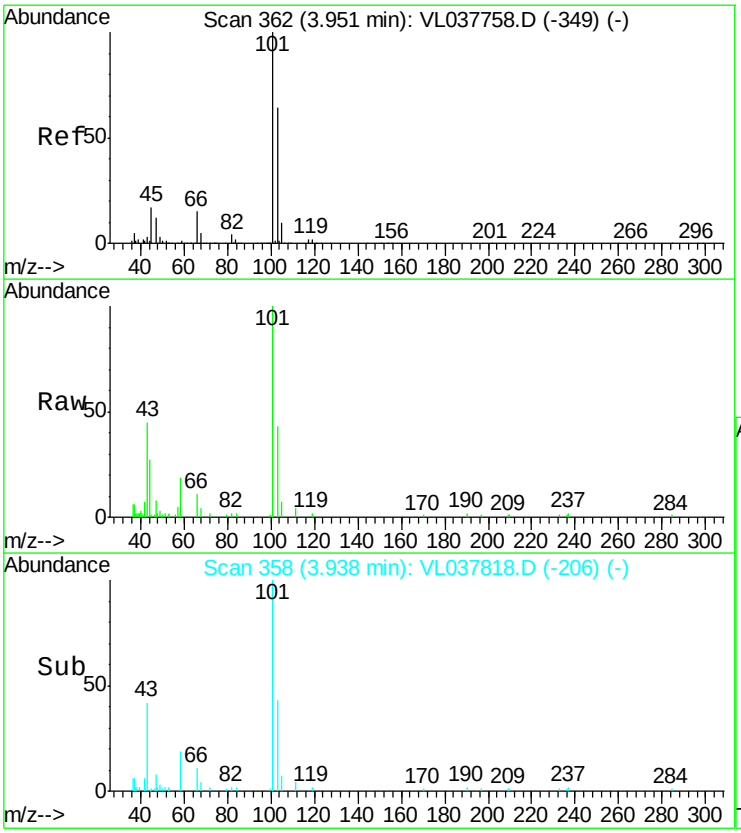
#9
Propene
Concen: 0.250 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument : MSVOA_L
ClientSampleId : C0P13

Tgt Ion: 41 Resp: 20835

Ion	Ratio	Lower	Upper
41	100		
42	157.2	54.2	81.2#

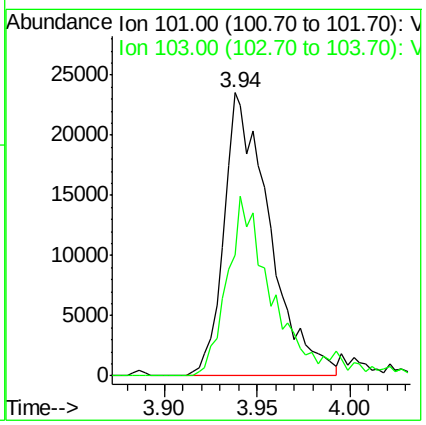


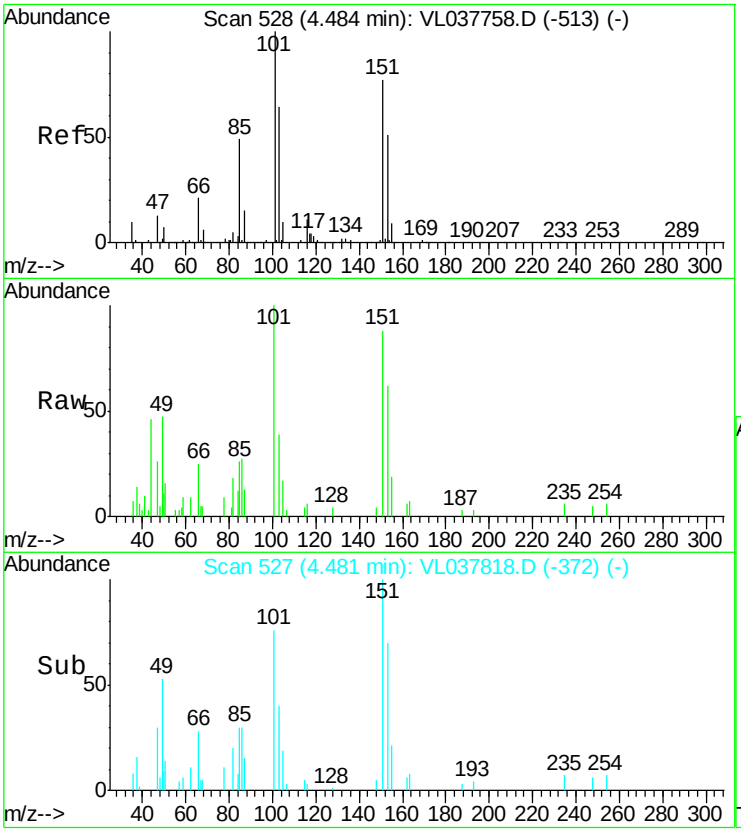


#11
Trichlorofluoromethane
Concen: 0.238 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion:101 Resp: 40096

Ion	Ratio	Lower	Upper
101	100		
103	42.8	51.5	77.3#



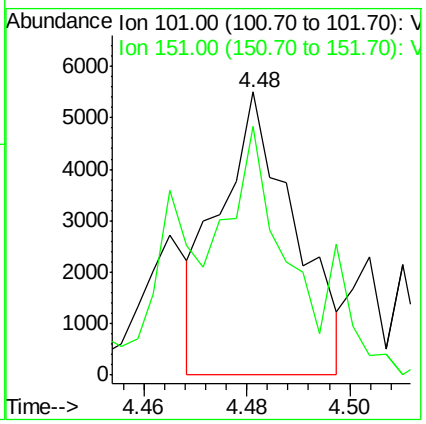


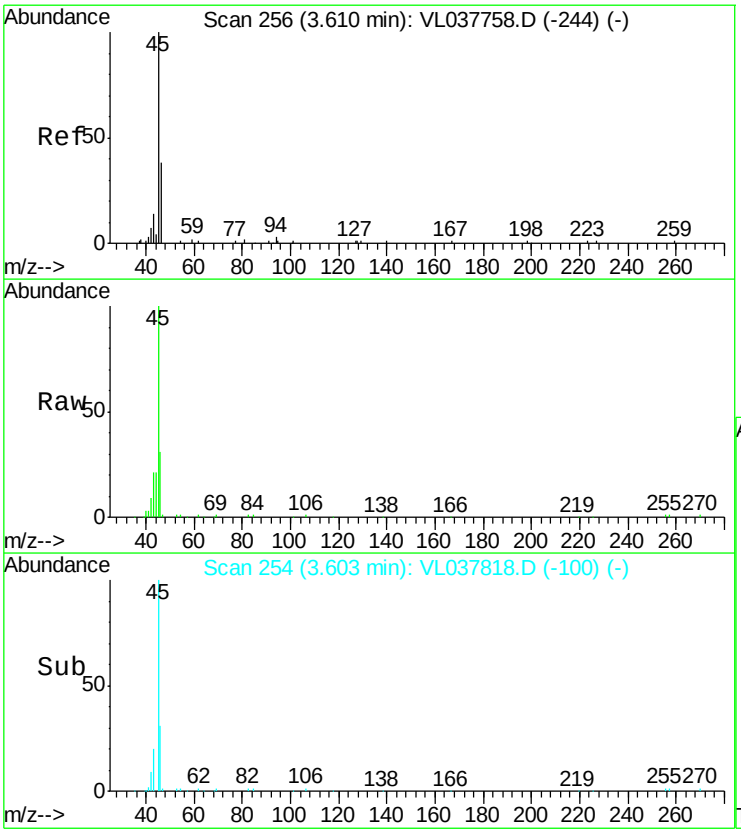
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.043 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.00 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument : MSVOA_L
ClientSampleId : C0P13

Tgt Ion:101 Resp: 5519

Ion	Ratio	Lower	Upper
101	100		
151	122.3	62.9	94.3#

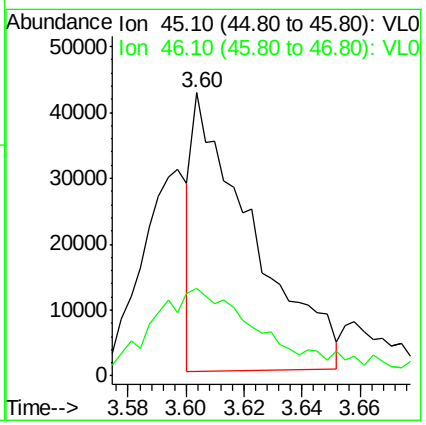


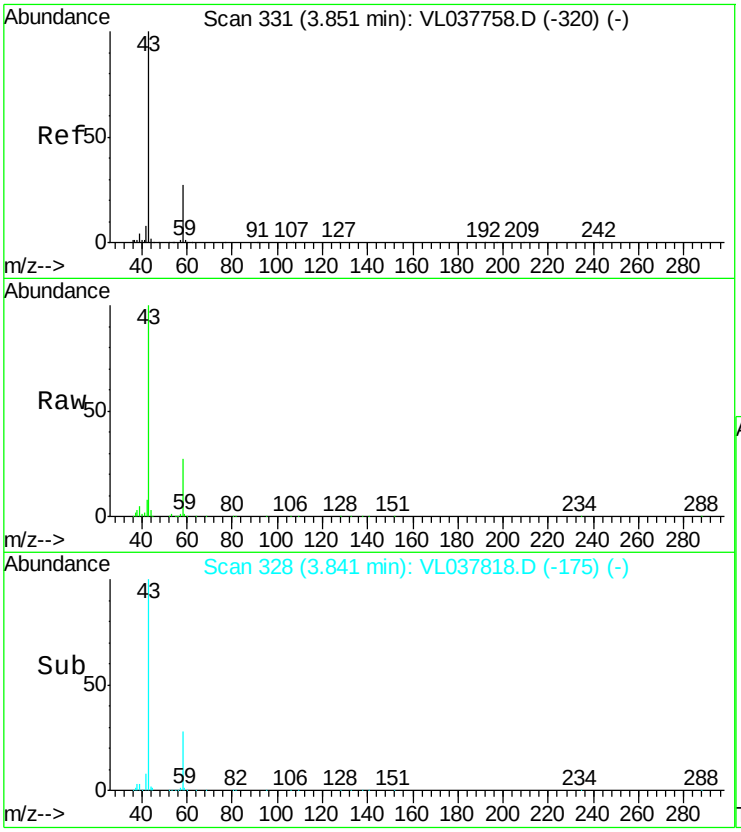


#13
Ethanol
Concen: 8.758 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion: 45 Resp: 59748

Ion	Ratio	Lower	Upper
45	100		
46	64.2	20.2	81.0



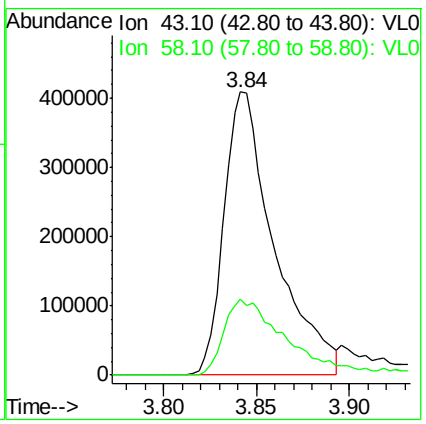


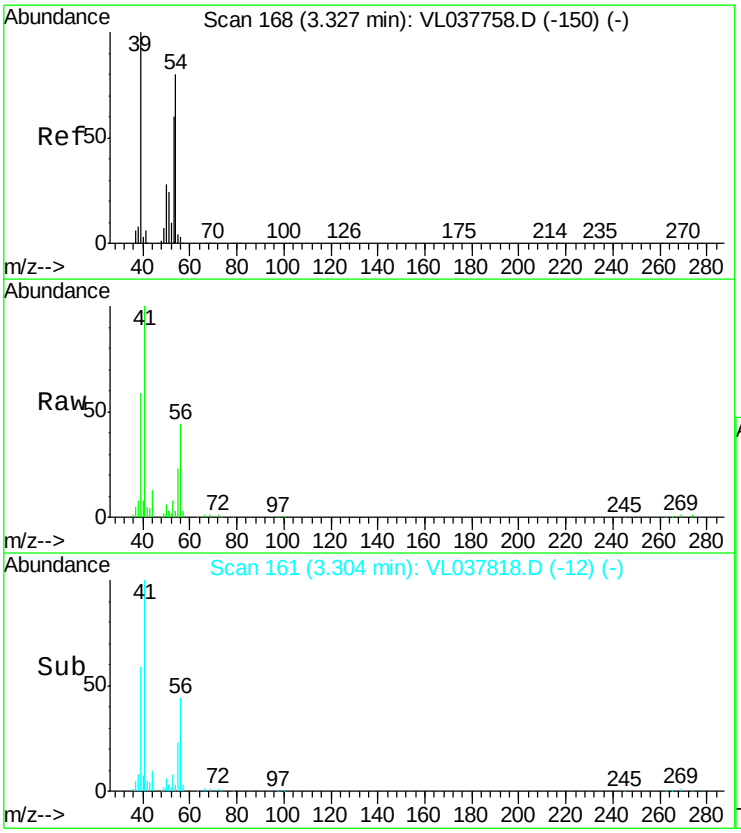
#15
Acetone
Concen: 7.256 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument : MSVOA_L
ClientSampleId : C0P13

Tgt Ion: 43 Resp: 768548

Ion	Ratio	Lower	Upper
43	100		
58	34.9	23.0	34.6#

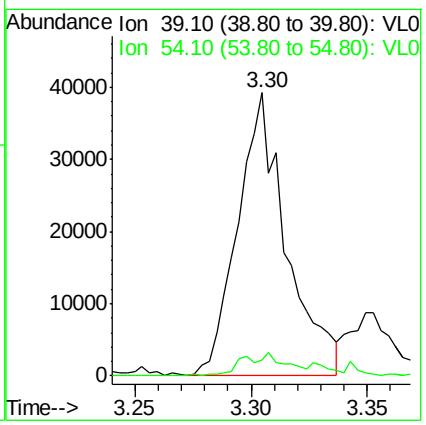


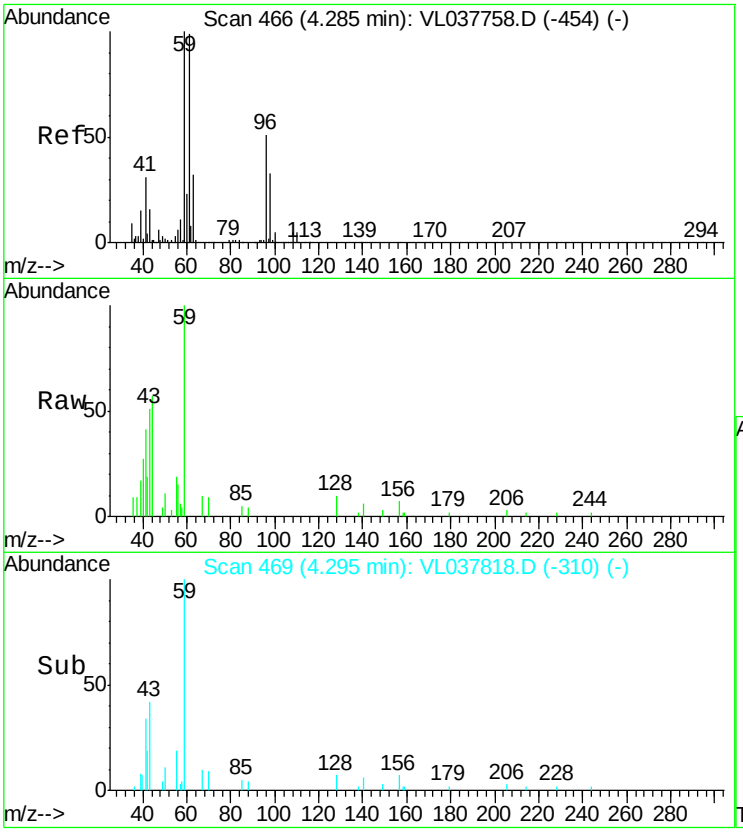


#16
1,3-Butadiene
Concen: 0.745 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.02 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion: 39 Resp: 57389

Ion	Ratio	Lower	Upper
39	100		
54	10.8	61.7	92.5#



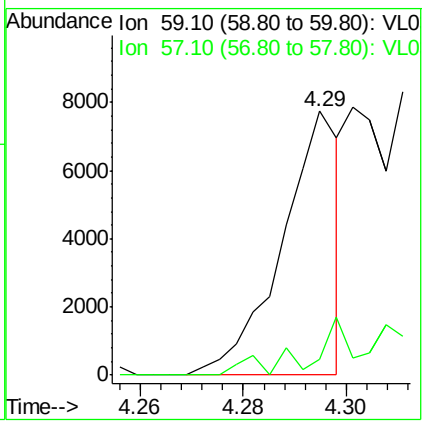


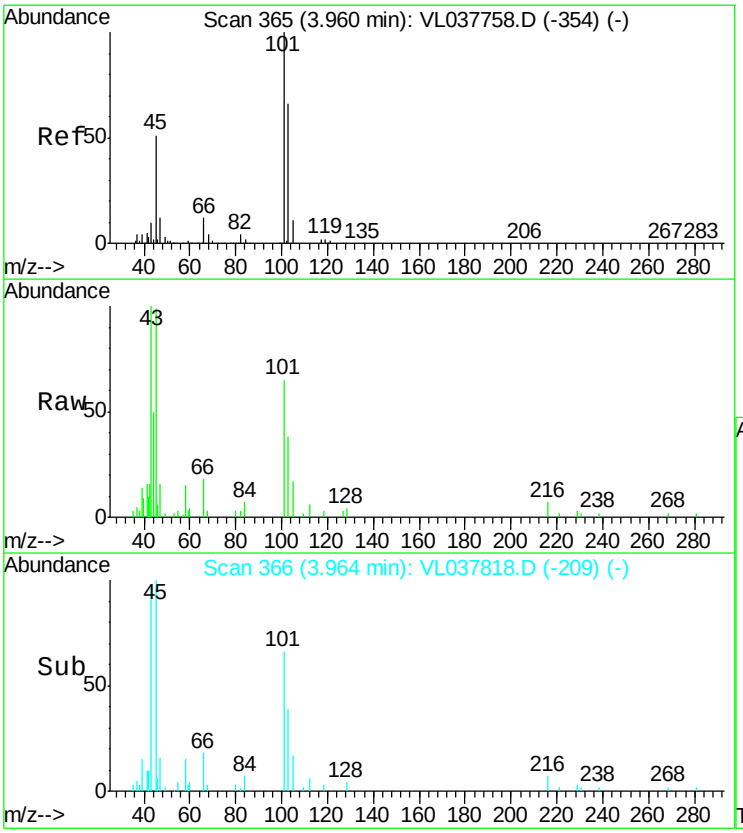
#17
tert-Butyl alcohol
Concen: 0.055 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument :
MSVOA_L
ClientSampleId :
C0P13

Tgt Ion: 59 Resp: 5983

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#

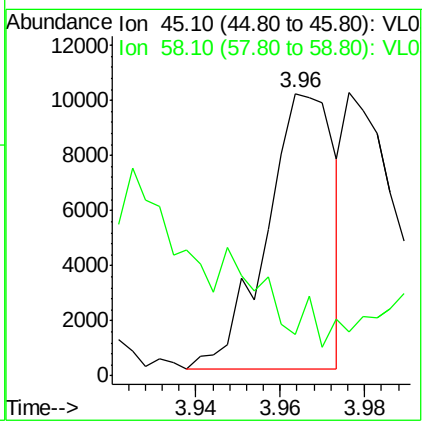


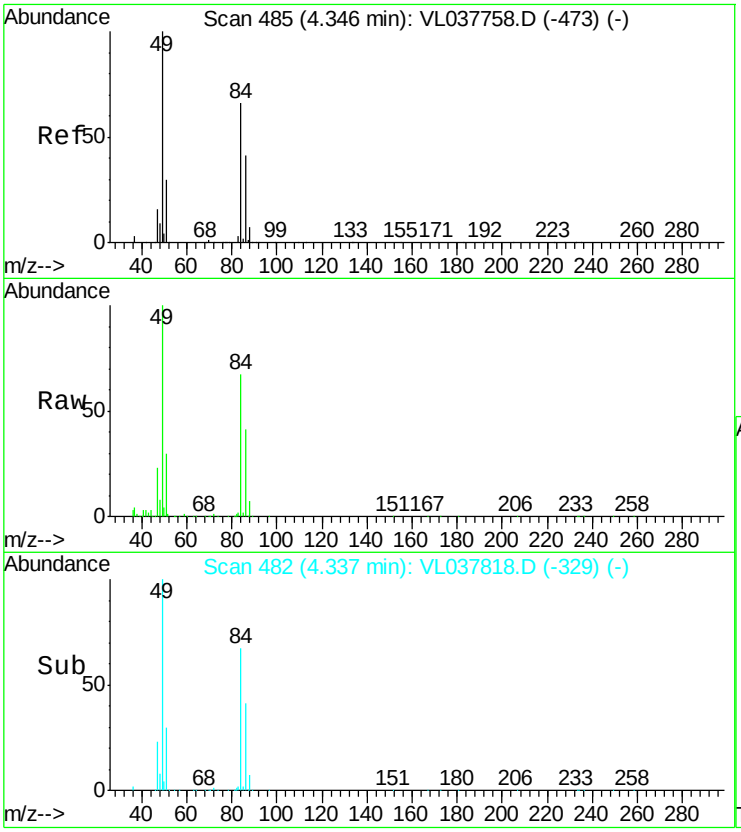


#19
Isopropyl Alcohol
Concen: 0.169 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.00 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion: 45 Resp: 11108

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.1	1.7#



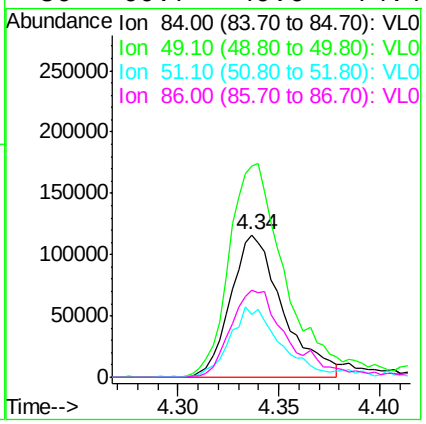


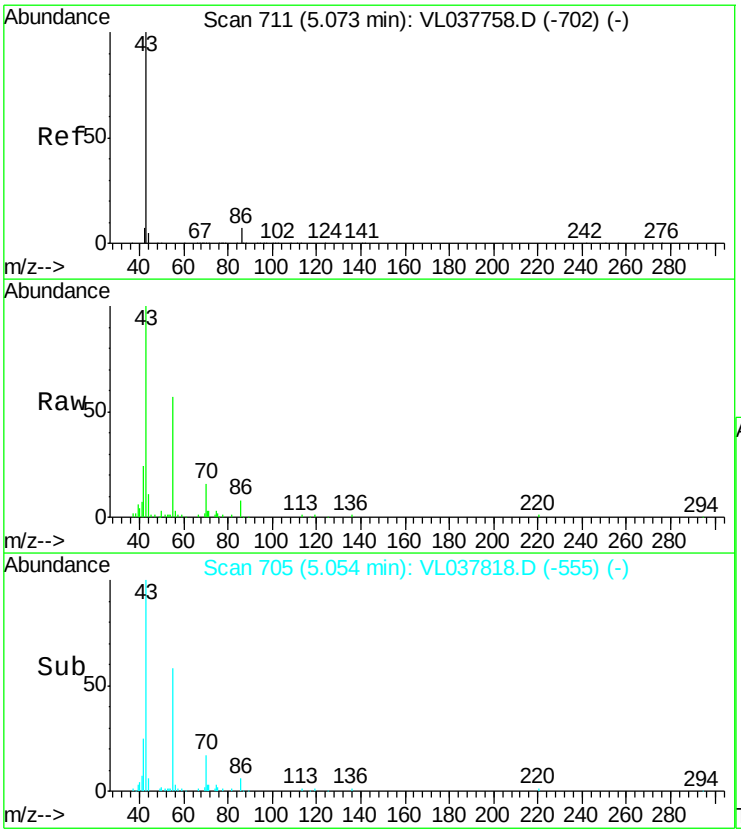
#20
Methylene Chloride
Concen: 3.922 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument :
MSVOA_L
ClientSampleId :
C0P13

Tgt Ion: 84 Resp: 209894

Ion	Ratio	Lower	Upper
84	100		
49	147.8	120.7	181.1
51	44.5	36.2	54.4
86	60.7	49.6	74.4

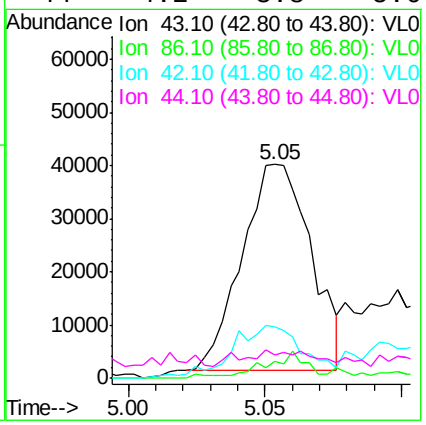


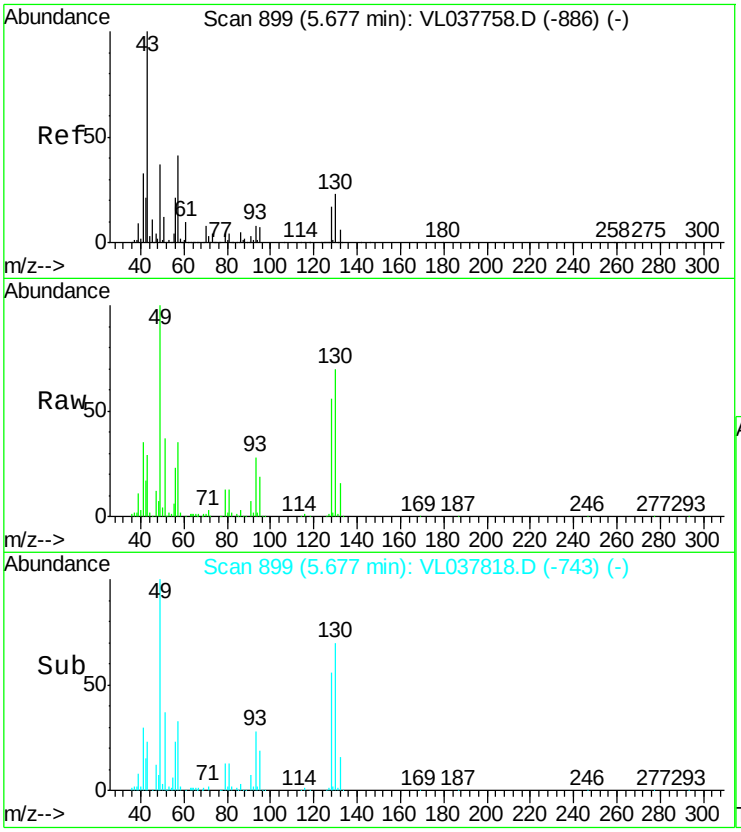


#23
Vinyl Acetate
Concen: 0.430 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.02 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion: 43 Resp: 68264

Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.0	7.4#
42	23.3	7.4	11.0#
44	4.2	3.8	5.6



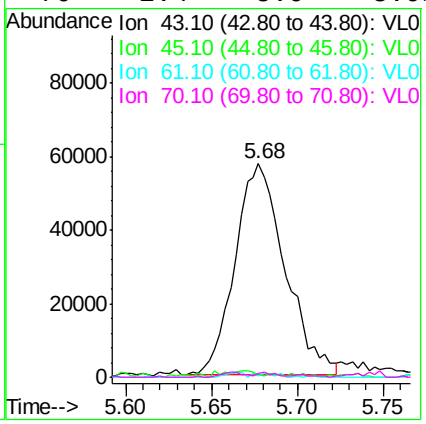


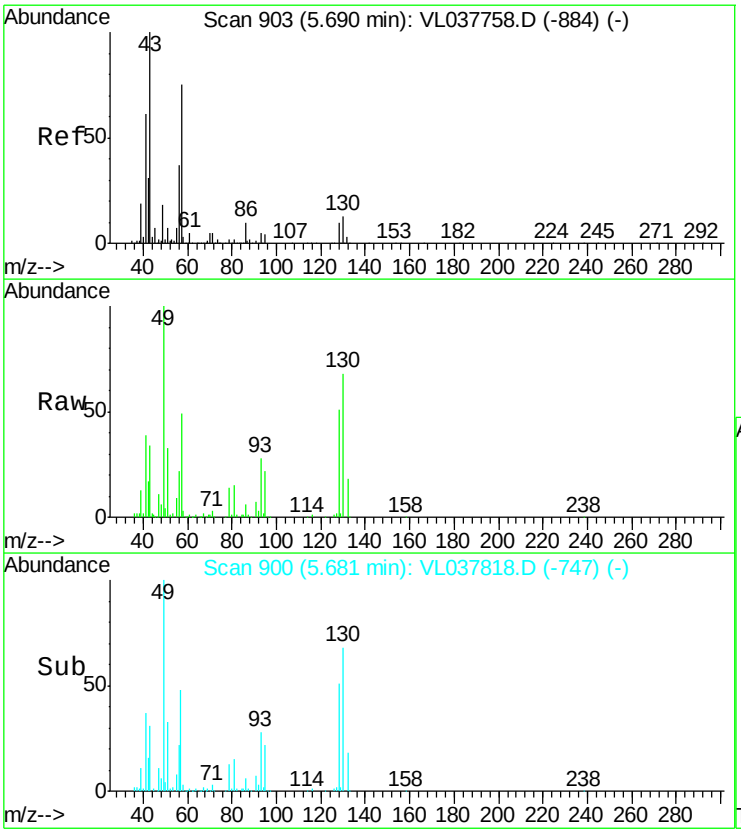
#25
Ethyl Acetate
Concen: 0.390 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument : MSVOA_L
ClientSampleId : C0P13

Tgt Ion: 43 Resp: 115796

Ion	Ratio	Lower	Upper
43	100		
45	3.9	8.1	12.1#
61	1.7	7.5	11.3#
70	2.4	5.9	8.9#

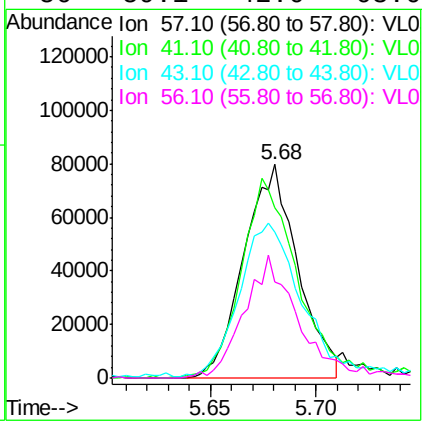


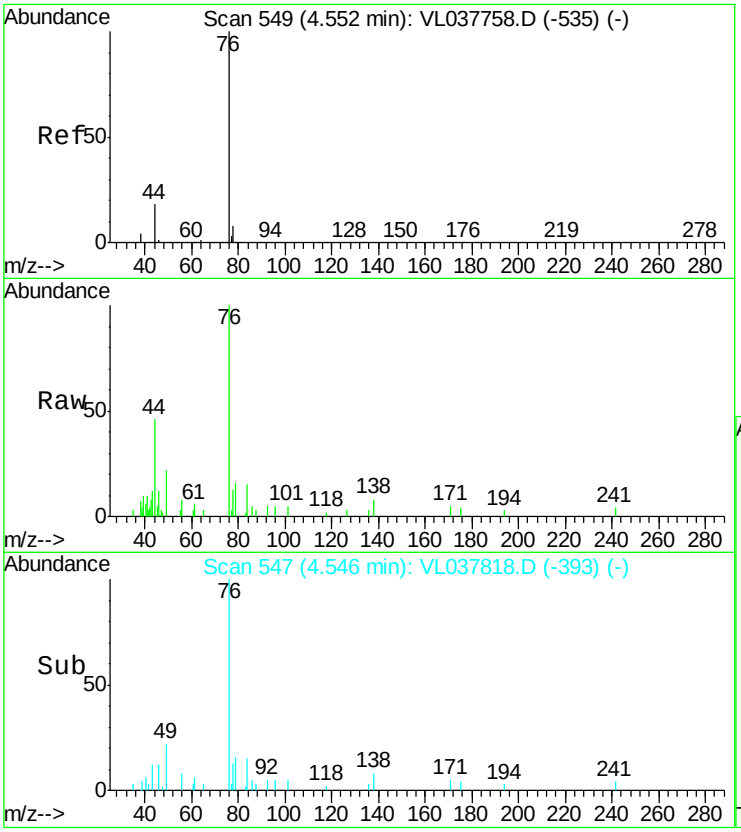


#26
Hexane
Concen: 0.968 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion: 57 Resp: 141702

Ion	Ratio	Lower	Upper
57	100		
41	102.5	69.6	104.4
43	85.8	171.4	257.0#
56	59.1	42.0	63.0



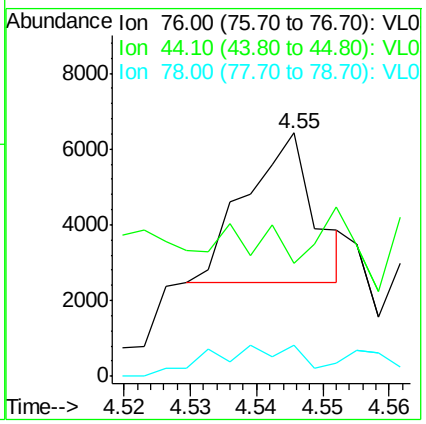


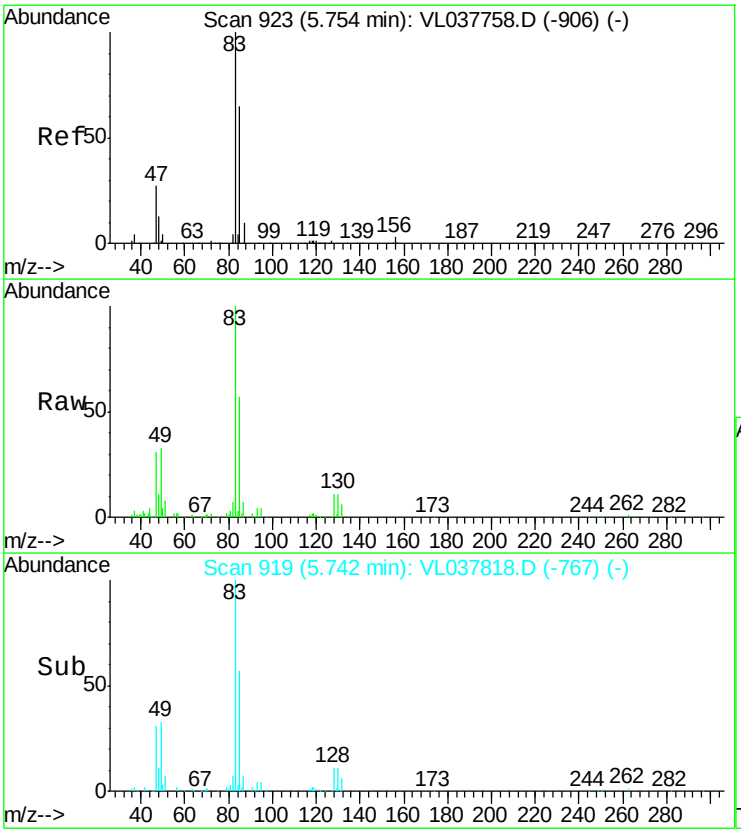
#27
Carbon Disulfide
Concen: 0.022 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument : MSVOA_L
ClientSampleId : C0P13

Tgt Ion: 76 Resp: 2841

Ion	Ratio	Lower	Upper
76	100		
44	148.6	14.3	21.5#
78	52.7	7.8	11.6#

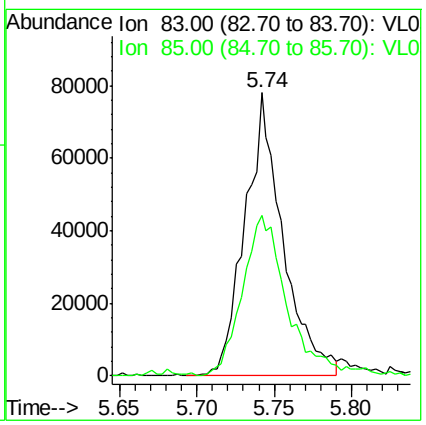


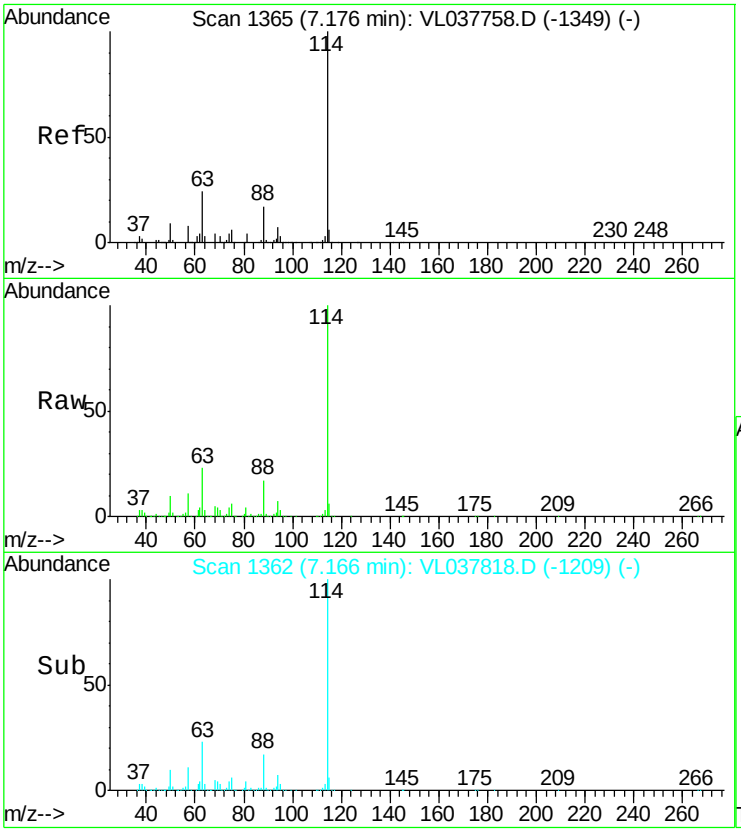


#29
Chloroform
Concen: 0.638 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion: 83 Resp: 133491

Ion	Ratio	Lower	Upper
83	100		
85	56.1	51.8	77.8



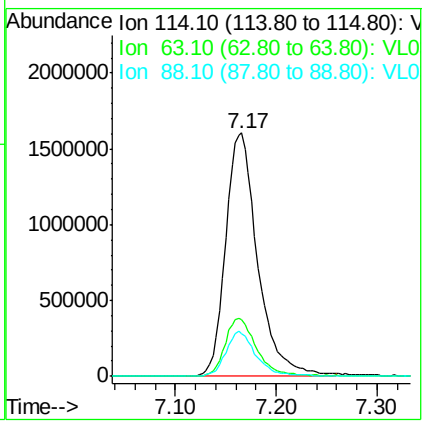


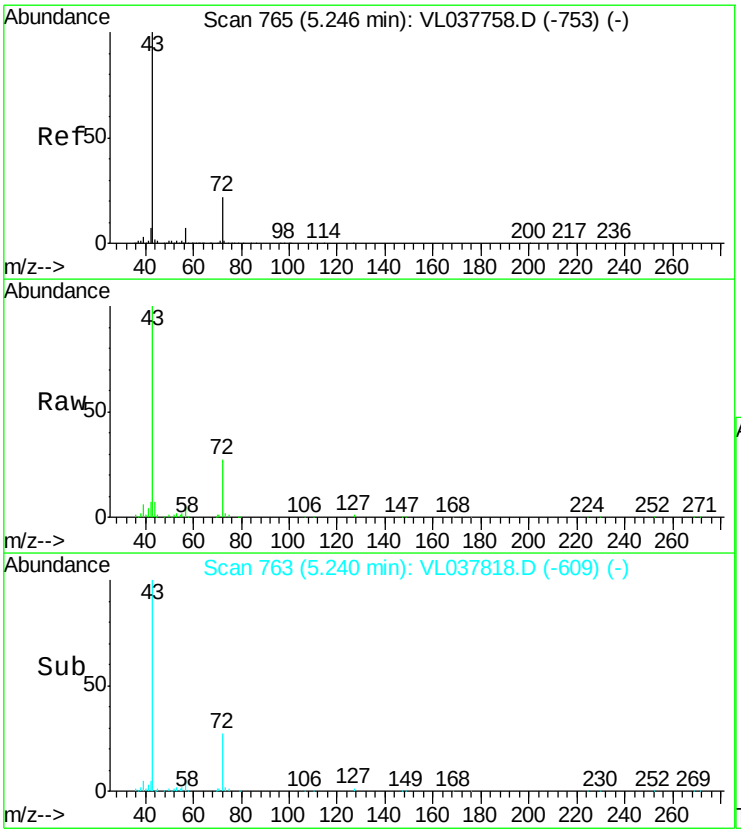
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument :
MSVOA_L
ClientSampleId :
C0P13

Tgt Ion:114 Resp: 3557292

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.4	29.2
88	17.6	14.4	21.6

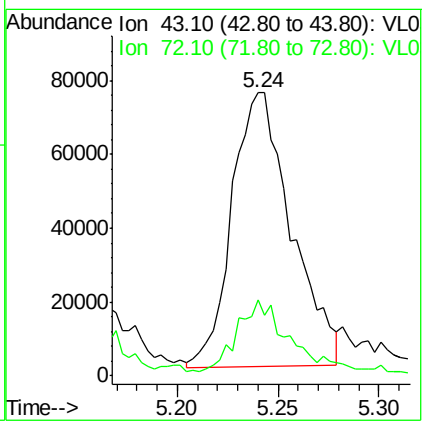


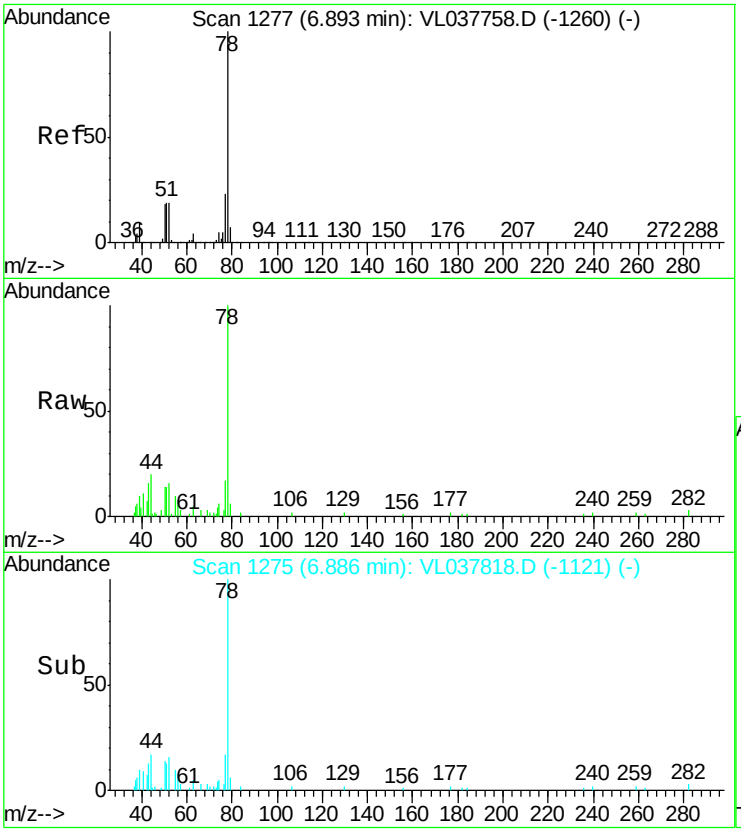


#34
2-Butanone
Concen: 1.065 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion: 43 Resp: 152874

Ion	Ratio	Lower	Upper
43	100		
72	28.1	18.2	27.2#



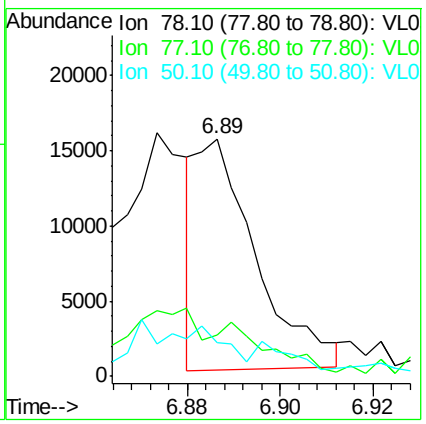


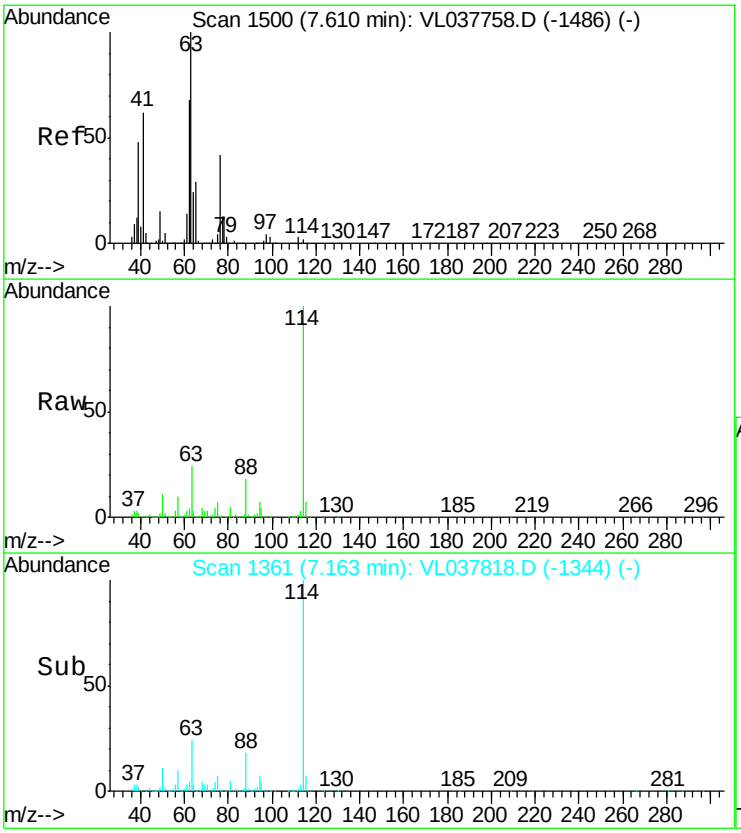
#36
Benzene
Concen: 0.045 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument :
MSVOA_L
ClientSampleId :
C0P13

Tgt Ion: 78 Resp: 13604

Ion	Ratio	Lower	Upper
78	100		
77	17.7	18.8	28.2#
50	12.6	14.7	22.1#

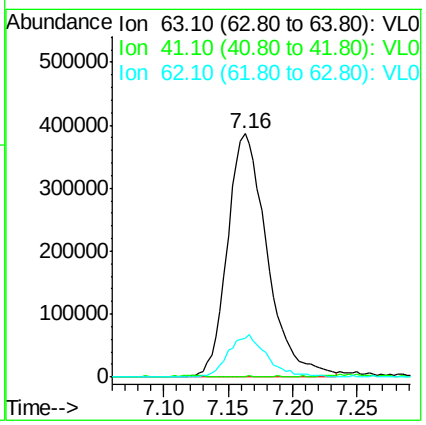


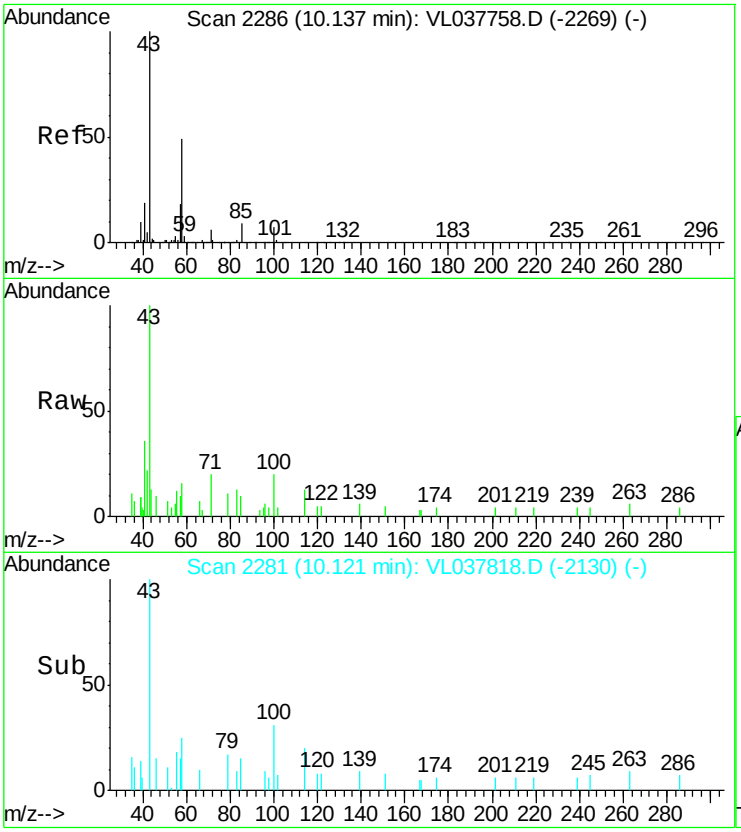


#39
1,2-Dichloropropane
Concen: 7.243 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.45 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion: 63 Resp: 827760

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	16.1	54.6	82.0#



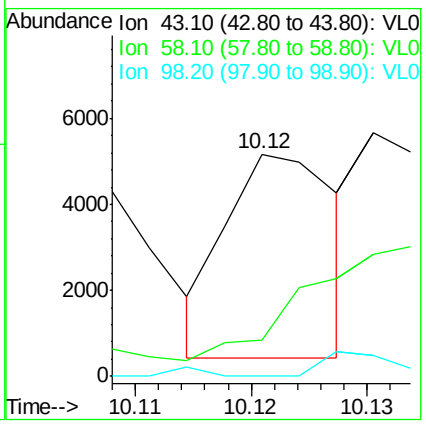


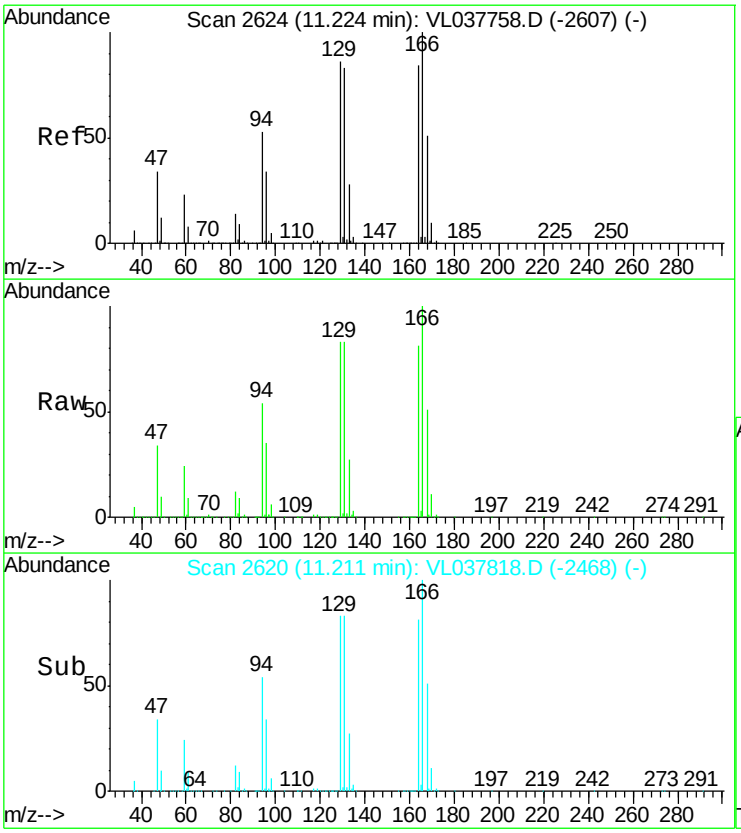
#51
2-Hexanone
Concen: 0.037 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.02 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument : MSVOA_L
ClientSampleId : C0P13

Tgt Ion: 43 Resp: 3126

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.4	59.0#
98	0.0	0.3	0.5#

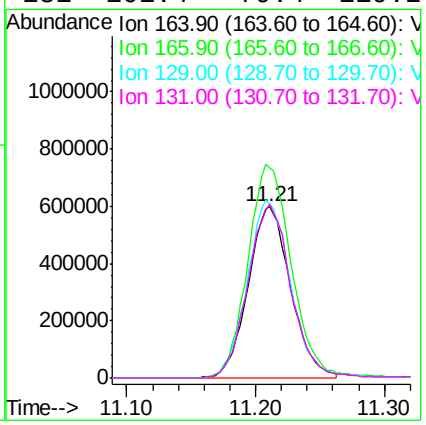


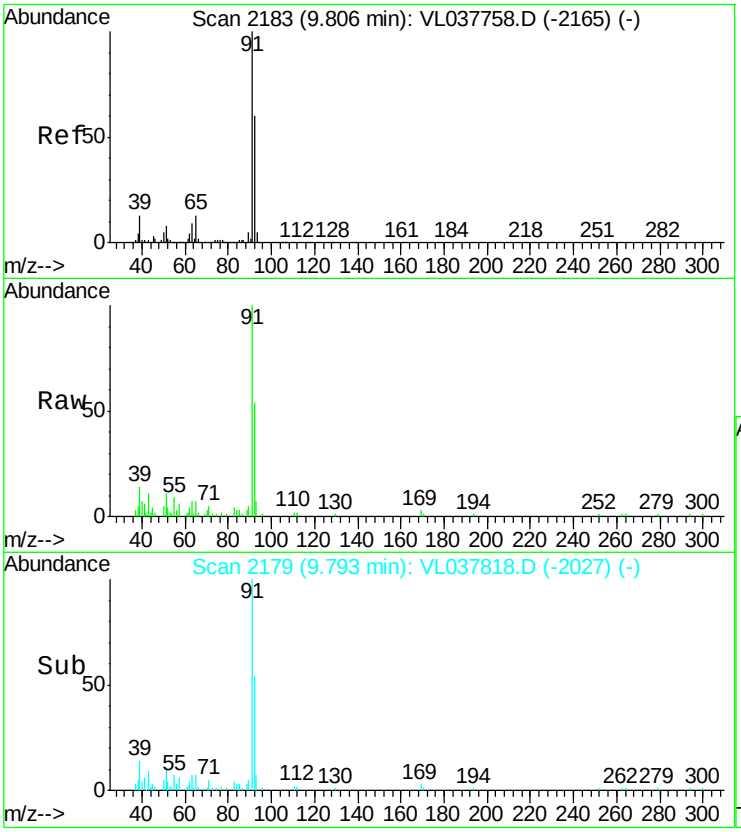


#52
Tetrachloroethene
Concen: 11.570 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion:164 Resp: 1367697

Ion	Ratio	Lower	Upper
164	100		
166	122.8	95.4	143.2
129	101.9	82.2	123.4
131	101.4	79.4	119.2



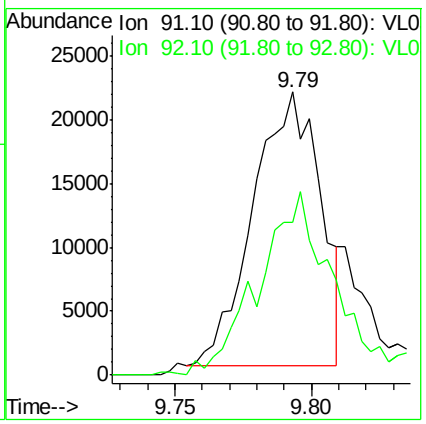


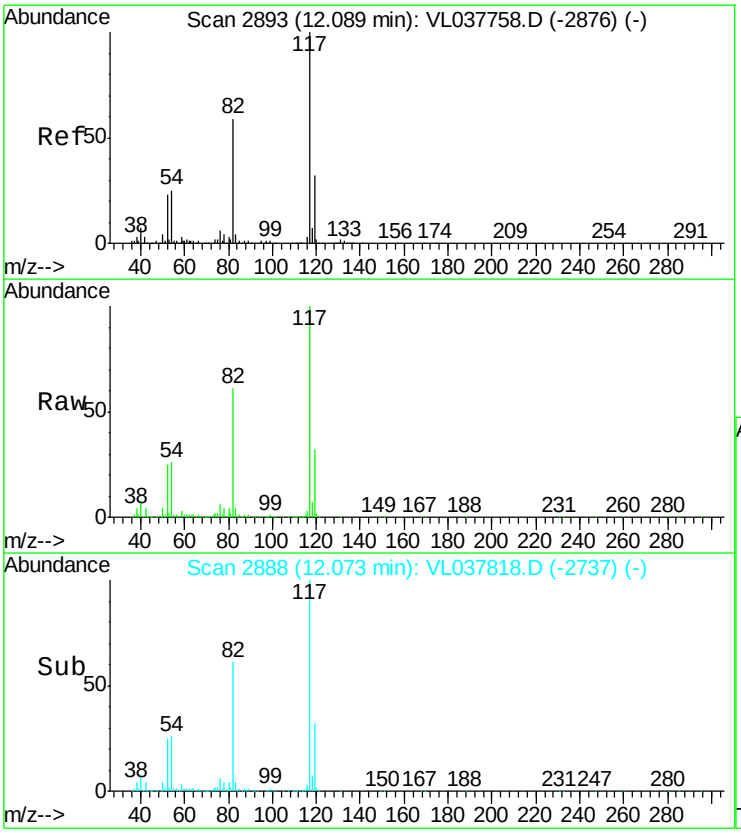
#53
Toluene
Concen: 0.109 ppbv
RT: 9.79 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument : MSVOA_L
ClientSampleId : C0P13

Tgt Ion: 91 Resp: 36668

Ion	Ratio	Lower	Upper
91	100		
92	76.4	48.4	72.6#

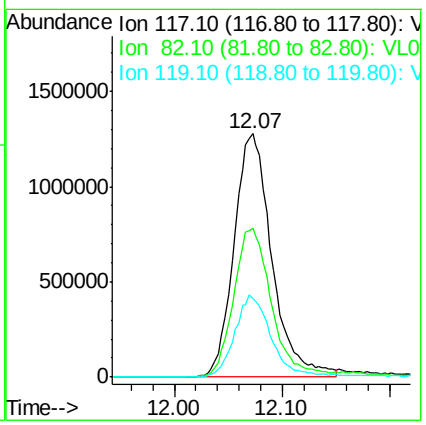


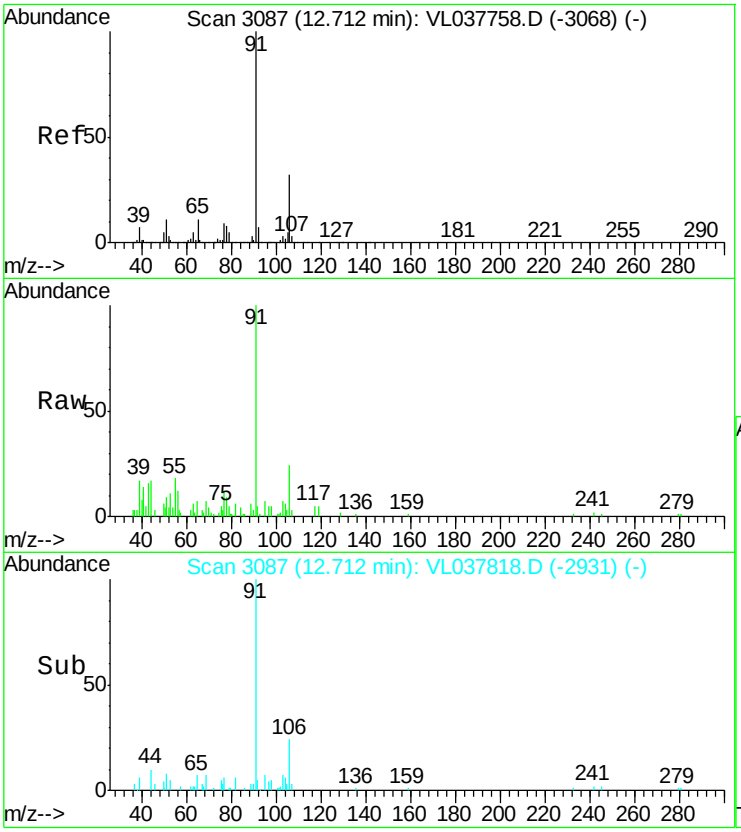


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.02 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion:117 Resp: 3118520

Ion	Ratio	Lower	Upper
117	100		
82	64.3	52.2	78.2
119	33.7	26.0	39.0



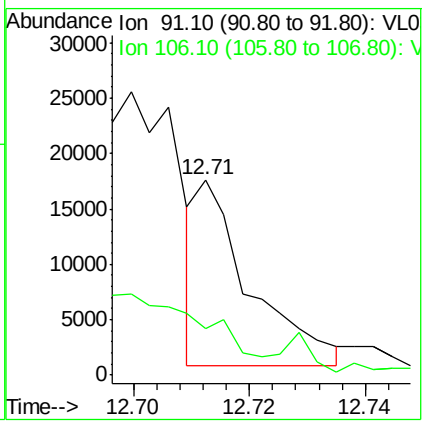


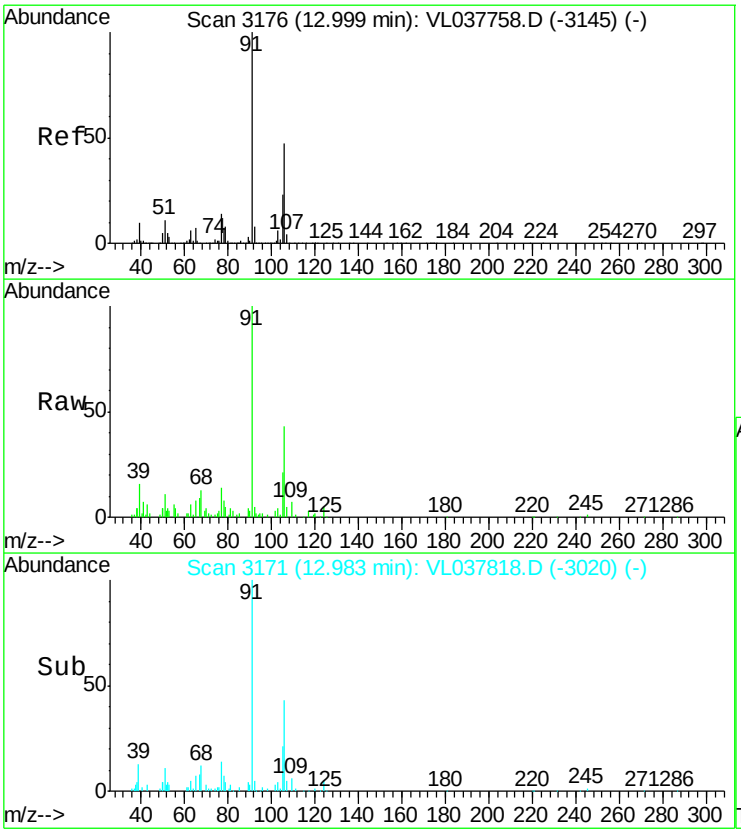
#58
Ethyl Benzene
Concen: 0.025 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument : MSVOA_L
ClientSampleId : C0P13

Tgt Ion: 91 Resp: 10580

Ion	Ratio	Lower	Upper
91	100		
106	25.9	25.3	37.9

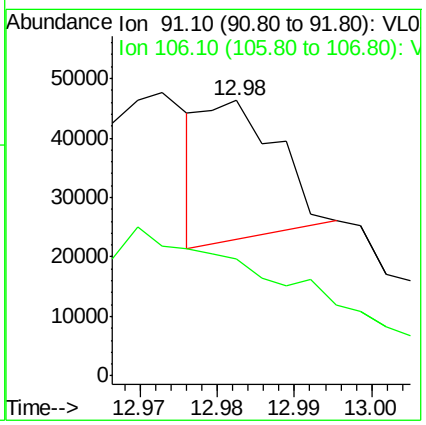


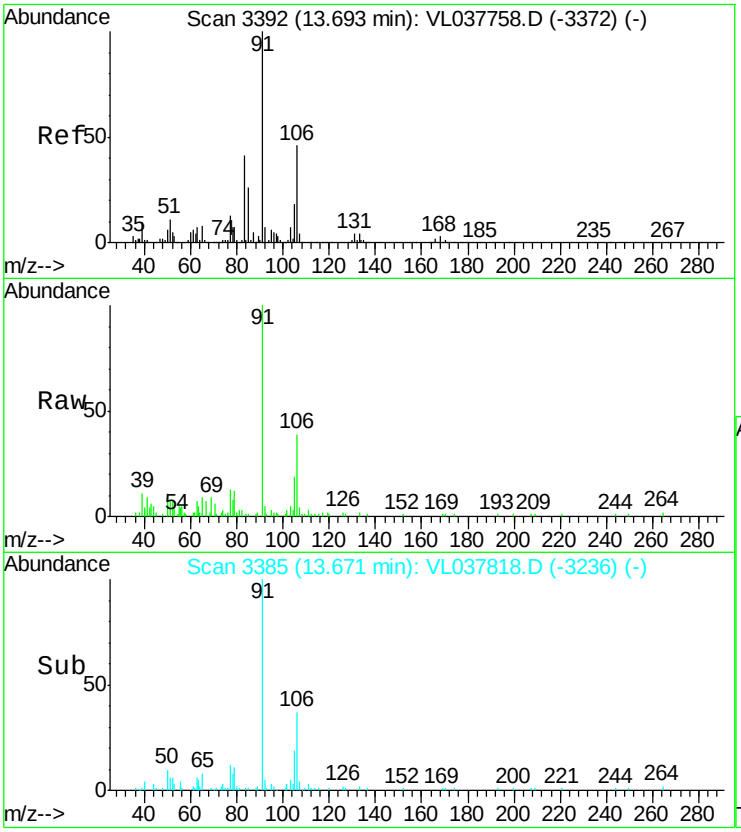


#59
m/p-Xylene
Concen: 0.043 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.02 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion: 91 Resp: 15555

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.7	55.1#



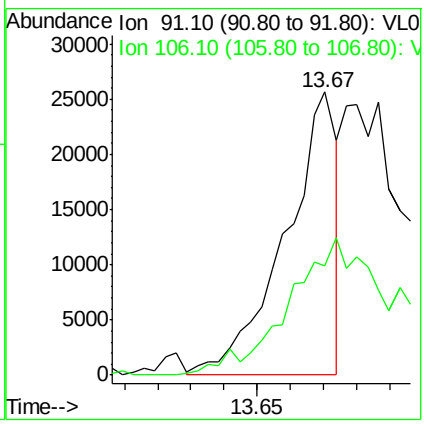


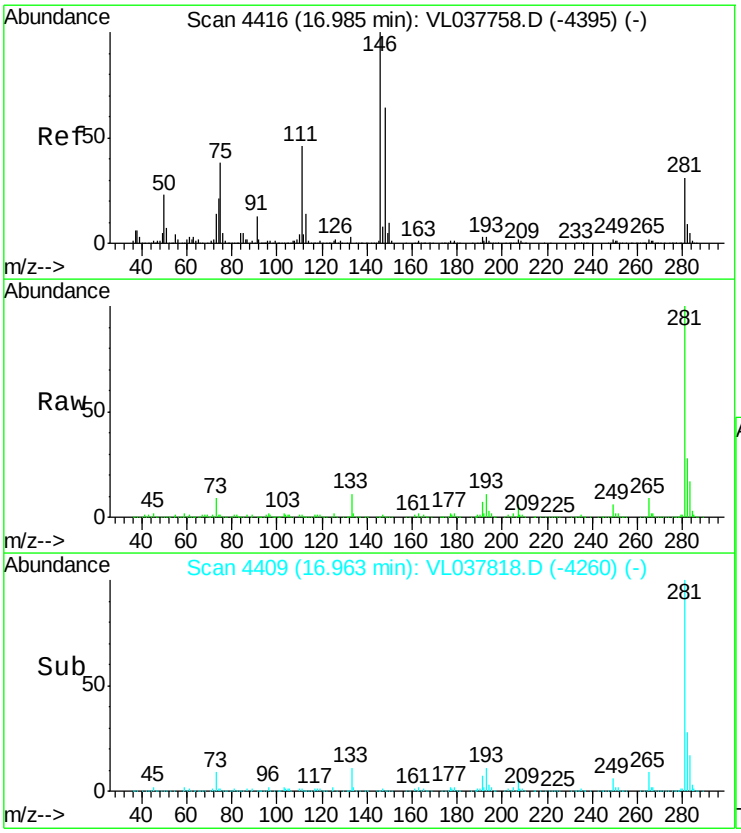
#60
o-Xylene
Concen: 0.080 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.02 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument : MSVOA_L
ClientSampleId : C0P13

Tgt Ion: 91 Resp: 27656

Ion	Ratio	Lower	Upper
91	100		
106	110.8	23.5	70.5#

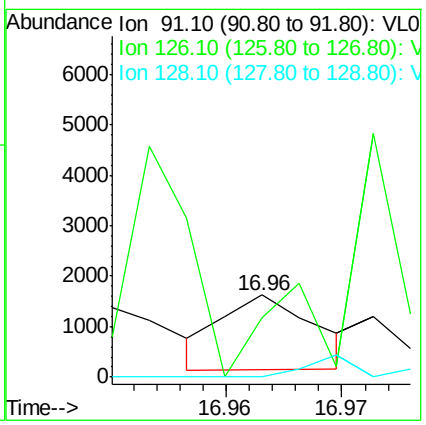


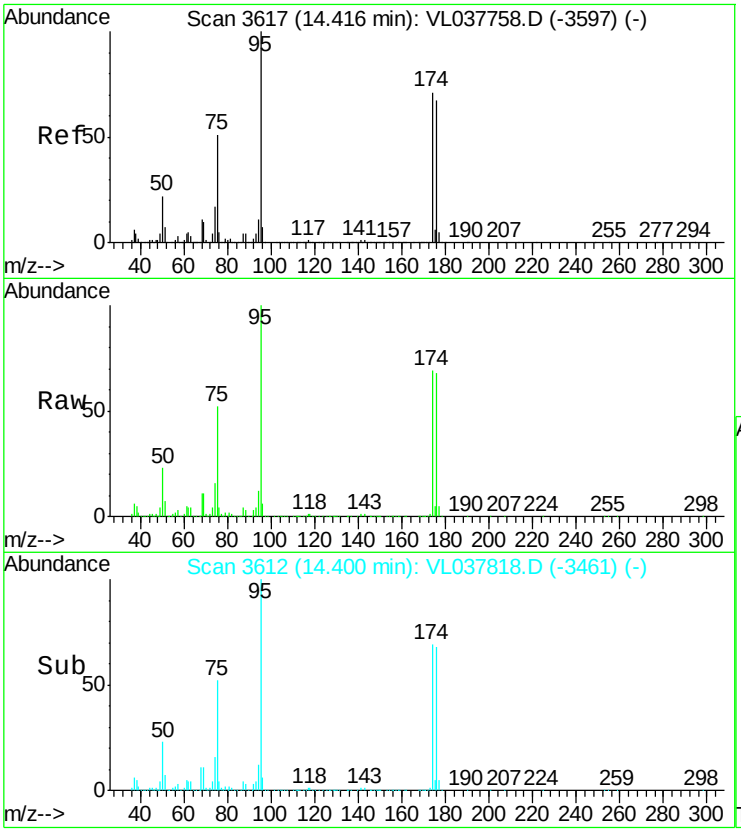


#66
Benzyl Chloride
Concen: 0.040 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.02 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion: 91 Resp: 827

Ion	Ratio	Lower	Upper
91	100		
126	0.0	0.0	0.0
128	0.0	5.3	7.9#



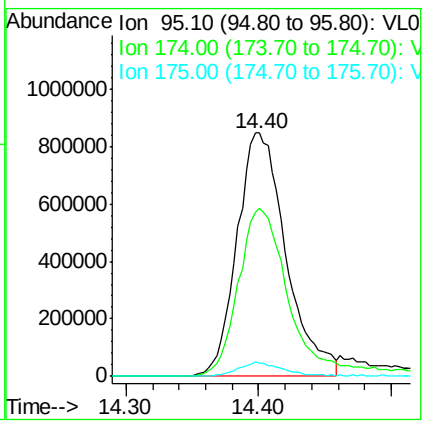


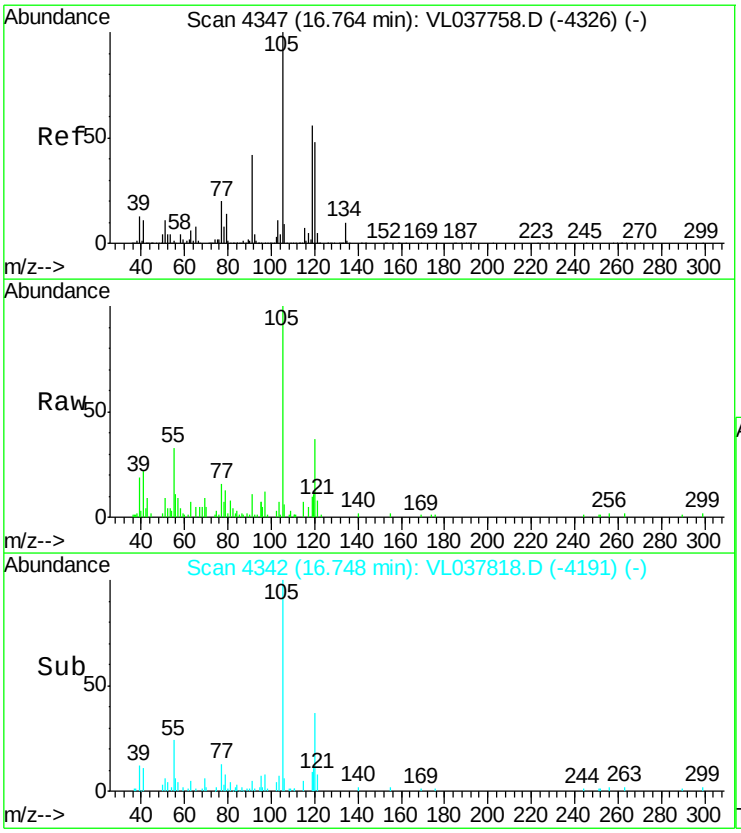
#68
1-Bromo-4-Fluorobenzene
Concen: 10.005 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.02 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument :
MSVOA_L
ClientSampleId :
C0P13

Tgt Ion: 95 Resp: 2181851

Ion	Ratio	Lower	Upper
95	100		
174	75.2	57.8	86.6
175	5.3	4.7	7.1

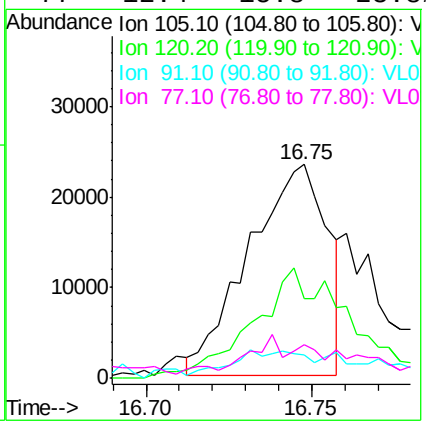


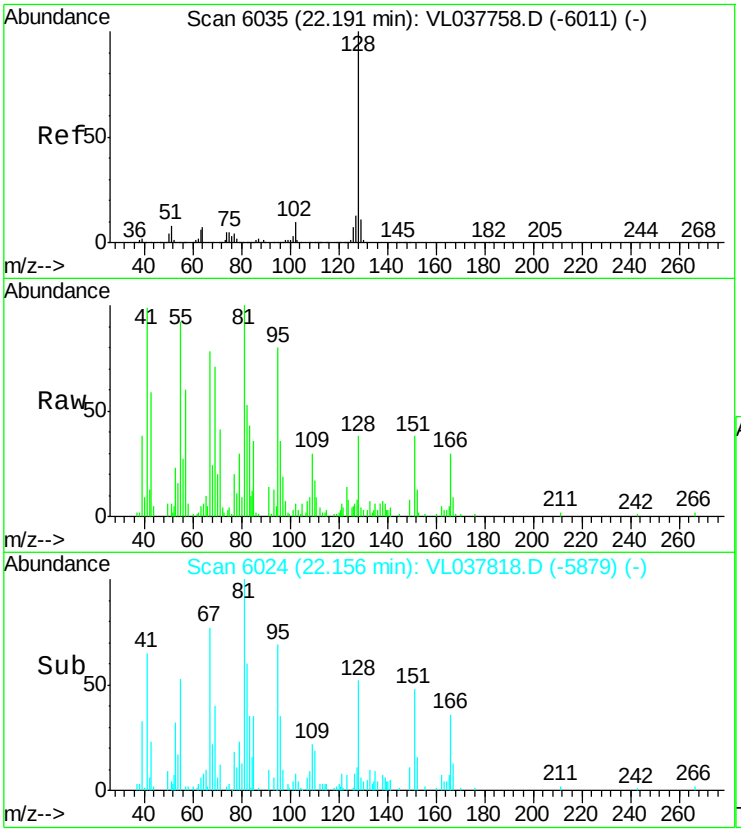


#74
1,2,4-Trimethylbenzene
Concen: 0.104 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. -0.02 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion:105 Resp: 38682

Ion	Ratio	Lower	Upper
105	100		
120	36.7	38.4	57.6#
91	10.5	34.2	51.2#
77	12.4	15.8	23.8#



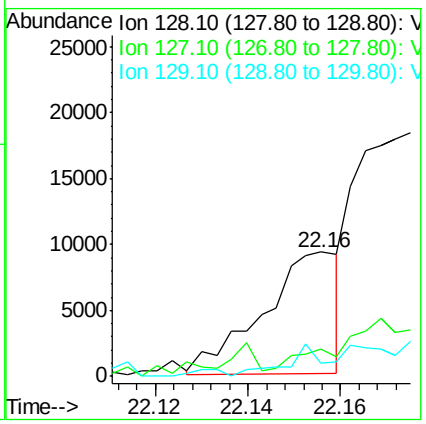


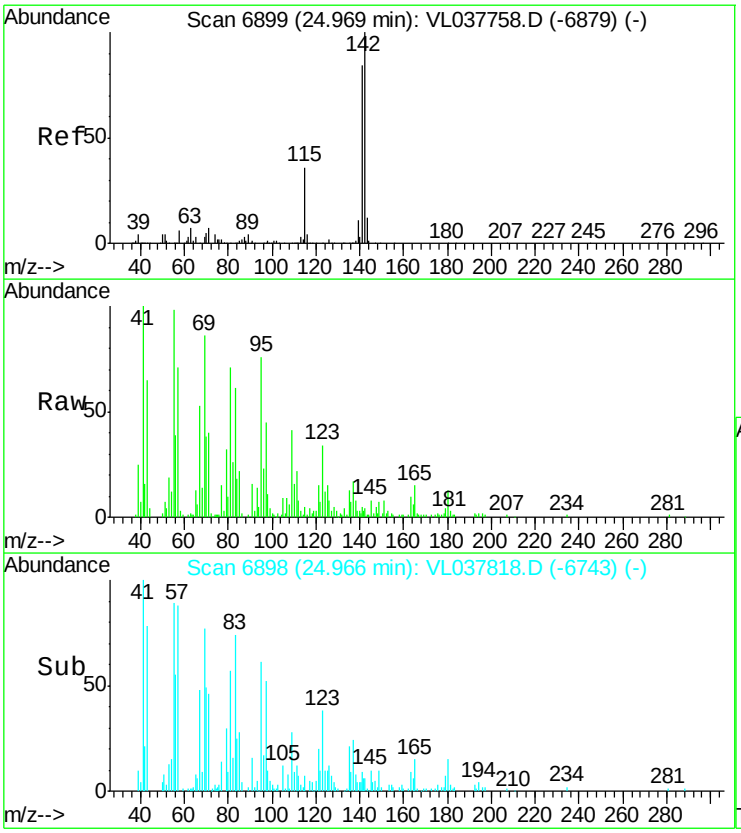
#79
Naphthalene
Concen: 0.046 ppbv
RT: 22.16 min Scan# 6024
Delta R.T. -0.04 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Instrument :
MSVOA_L
ClientSampleId :
C0P13

Tgt Ion:128 Resp: 10527

Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.1	15.1
129	8.7	9.1	13.7#





#80
Naphthalene,2-methyl-
Concen: 0.160 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL037818.D
Acq: 8 Oct 2021 5:35

Tgt Ion:142 Resp: 9834

Ion	Ratio	Lower	Upper
142	100		
141	82.9	68.6	102.8
115	158.8	29.0	43.6#