Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
Data File : VL037802.D
Acq On : 7 Oct 2021 19:06
Operator : SY/AP
Sample : M4079-08DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Quant Time: Oct 08 10:06:38 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	1394372	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.16	114	3920798	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.07	117	3031417	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2248268	10.61	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.10%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.98	51	26447	0.099	ppbv		98
4) Chloromethane	3.14	50	3957	0.040	ppbv		95
9) Propene	3.00	41	91995	0.933	ppbv		98
10) Heptane	8.11	43	9493	0.042	ppbv	#	10
12) 1,1,2-Trichlorotrifluoroet	4.47	101	4950	0.033	ppbv	#	10
13) Ethanol	3.60	45	98356	12.200	ppbv		75
15) Acetone	3.84	43	2761666	22.063	ppbv		93
16) 1,3-Butadiene	3.30	39	197069	2.164	ppbv	#	19
17) tert-Butyl alcohol	4.29	59	7966	0.062	ppbv	#	1
19) Isopropyl Alcohol	3.96	45	11593	0.149	ppbv	#	96
20) Methylene Chloride	4.34	84	64816	1.025	ppbv		96
23) Vinyl Acetate	5.05	43	55069	0.294	ppbv	#	81
25) Ethyl Acetate	5.67	43	63571	0.181	ppbv	#	91
26) Hexane	5.68	57	75280	0.435	ppbv	#	52
27) Carbon Disulfide	4.54	76	34665	0.226	ppbv	#	48
29) Chloroform	5.74	83	191578	0.775	ppbv		99
34) 2-Butanone	5.24	43	566286	3.578	ppbv		98
36) Benzene	6.87	78	22609	0.068	ppbv	#	86
39) 1,2-Dichloropropane	7.16	63	892867	7.088	ppbv	#	29
51) 2-Hexanone	10.12	43	22671	0.246	ppbv	#	29
52) Tetrachloroethene	11.20	164	182941	1.404	ppbv		95
53) Toluene	9.78	91	34621	0.093	ppbv	#	47
58) Ethyl Benzene	12.69	91	105937	0.260	ppbv		89
59) m/p-Xylene	12.98	91	71218	0.204	ppbv	#	30
60) o-Xylene	13.67	91	140066	0.418	ppbv		97
66) Benzyl Chloride	16.96	91	675	0.033	ppbv	#	1
74) 1,2,4-Trimethylbenzene	16.73	105	21480	0.059	ppbv	#	73
75) 1,3-Dichlorobenzene	16.97	146	4540	0.020	ppbv	#	1
79) Naphthalene	22.16	128	7704	0.035	ppbv	#	84
80) Naphthalene,2-methyl-	24.95	142	3701	0.062	ppbv	#	78

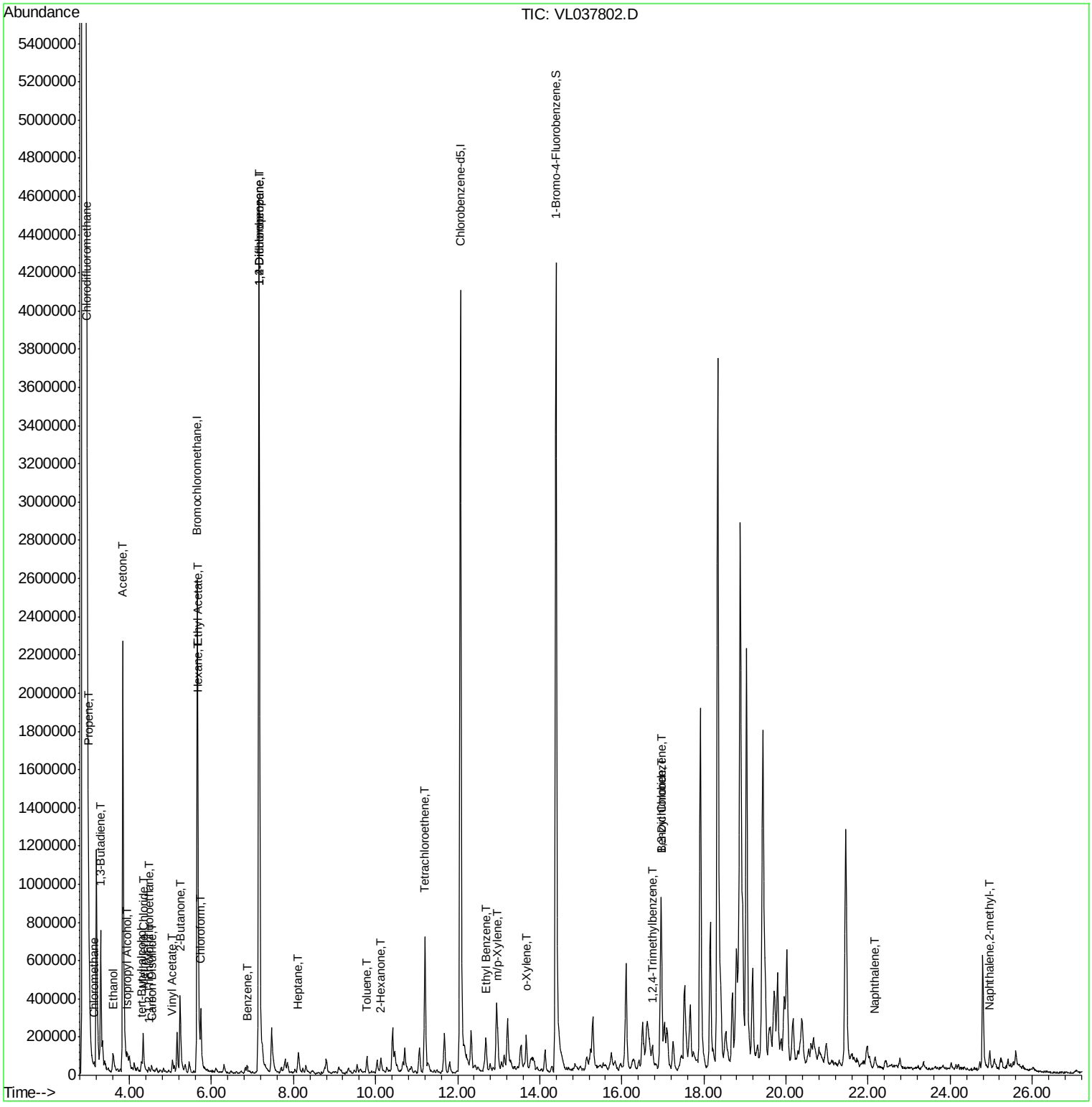
(#) = qualifier out of range (m) = manual integration (+) = signals summed

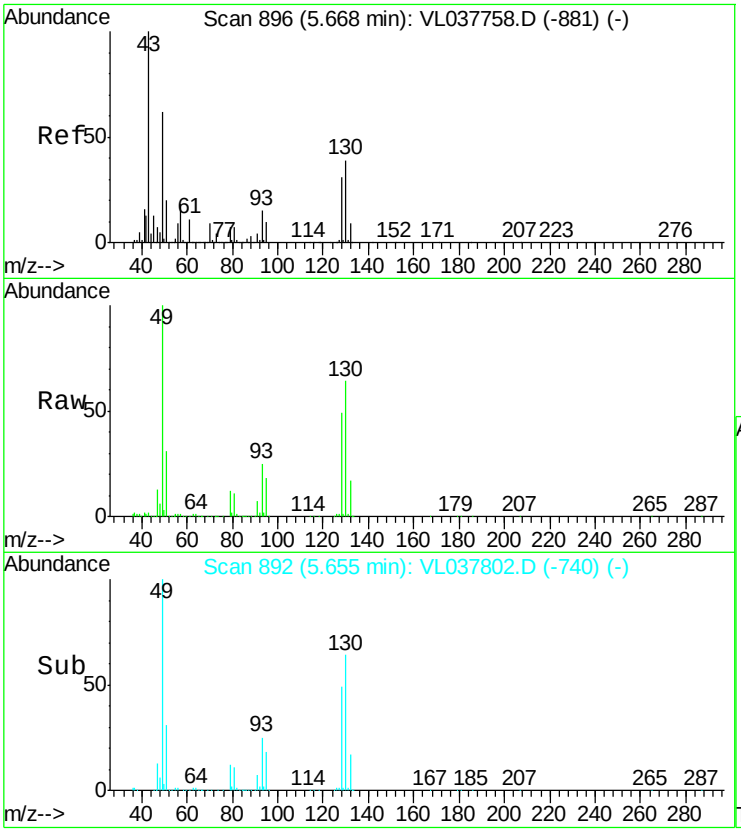
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
Data File : VL037802.D
Acq On : 7 Oct 2021 19:06
Operator : SY/AP
Sample : M4079-08DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Quant Time: Oct 08 10:06:38 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



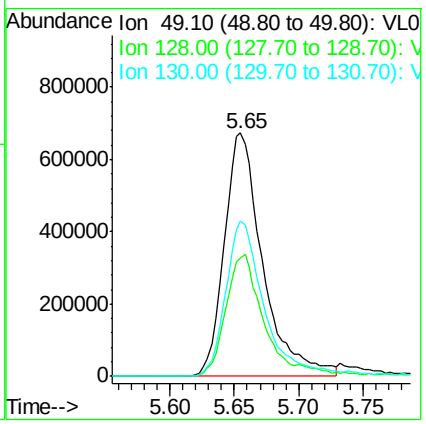


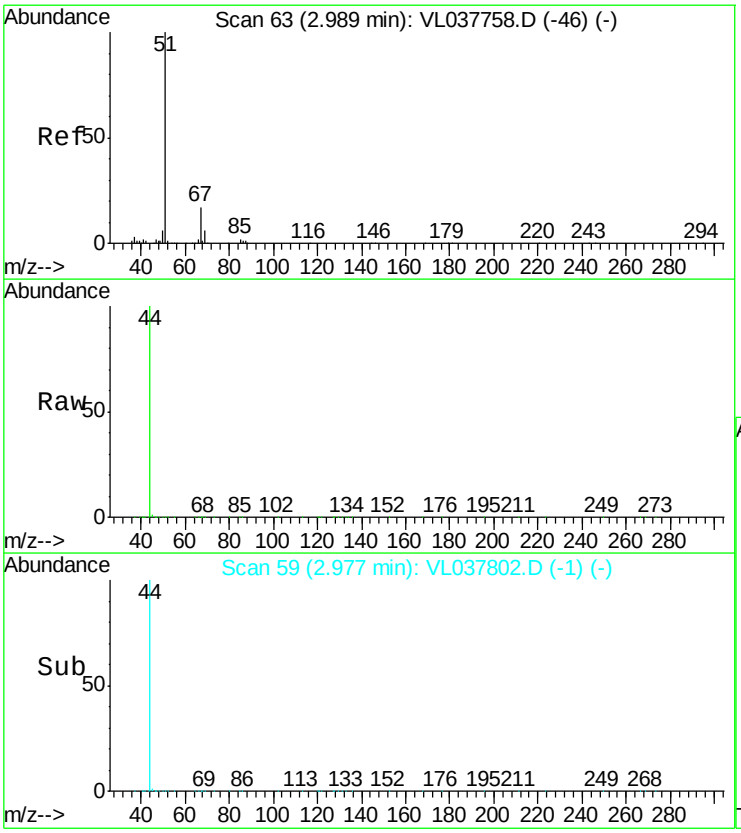
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Tgt Ion: 49 Resp: 1394372

Ion	Ratio	Lower	Upper
49	100		
128	51.3	27.1	81.3
130	65.8	33.2	99.6

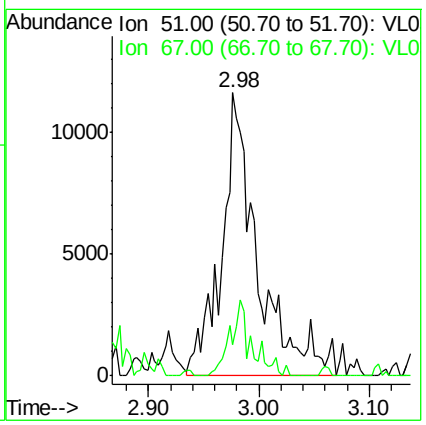


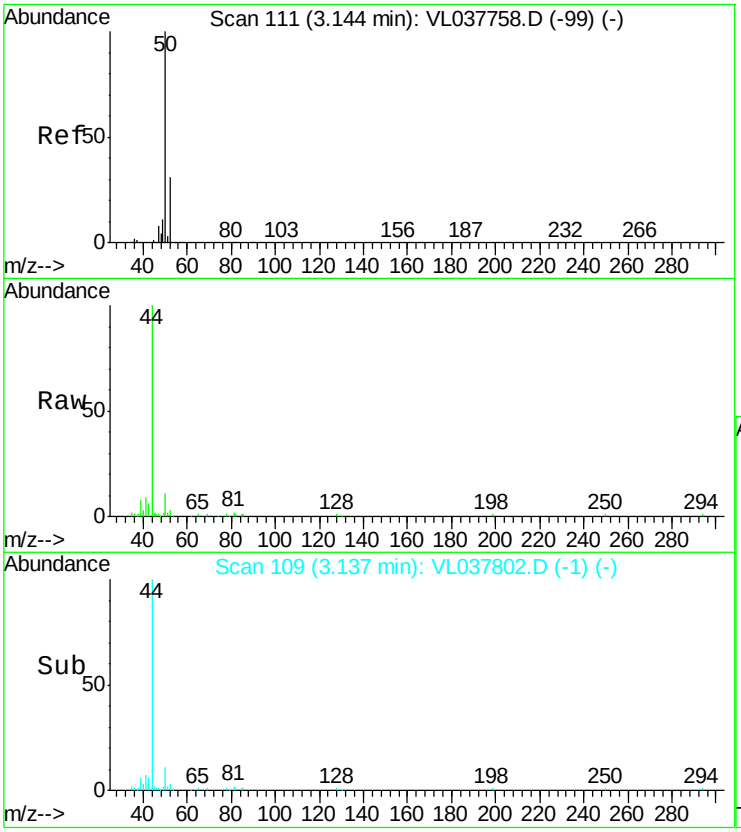


#3
Chlorodifluoromethane
Concen: 0.099 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 51 Resp: 26447

Ion	Ratio	Lower	Upper
51	100		
67	16.0	13.5	20.3



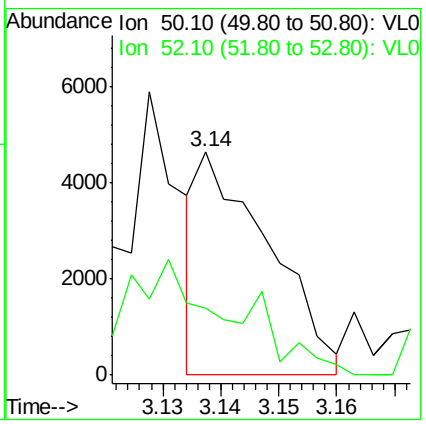


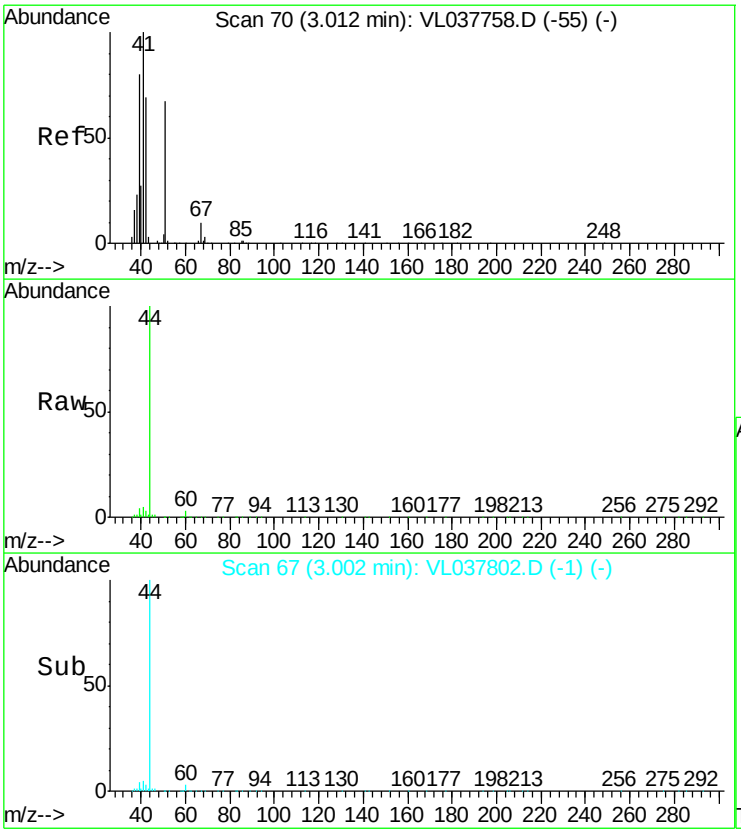
#4
Chloromethane
Concen: 0.040 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Tgt Ion: 50 Resp: 3957

Ion	Ratio	Lower	Upper
50	100		
52	27.6	24.4	36.6

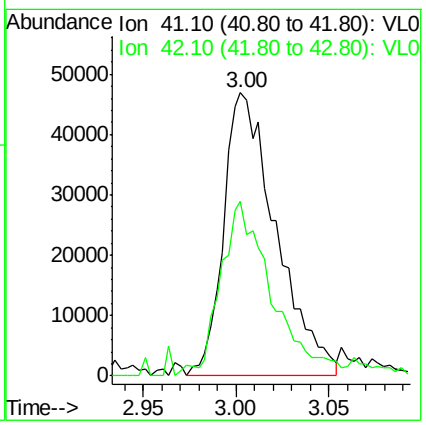


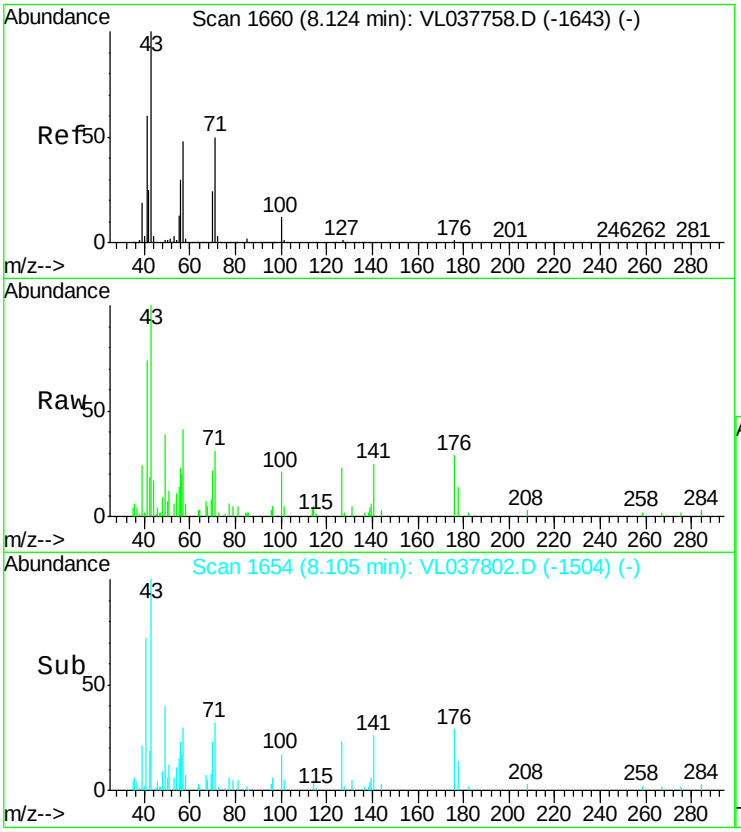


#9
Propene
Concen: 0.933 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.01 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 41 Resp: 91995

Ion	Ratio	Lower	Upper
41	100		
42	66.3	54.2	81.2



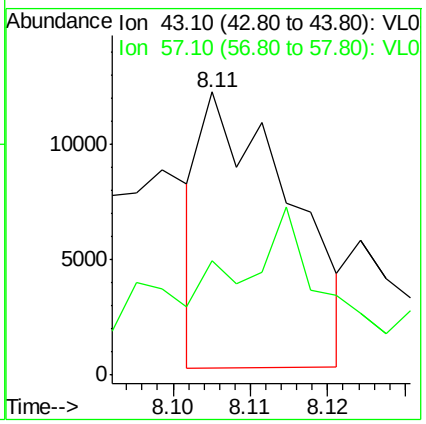


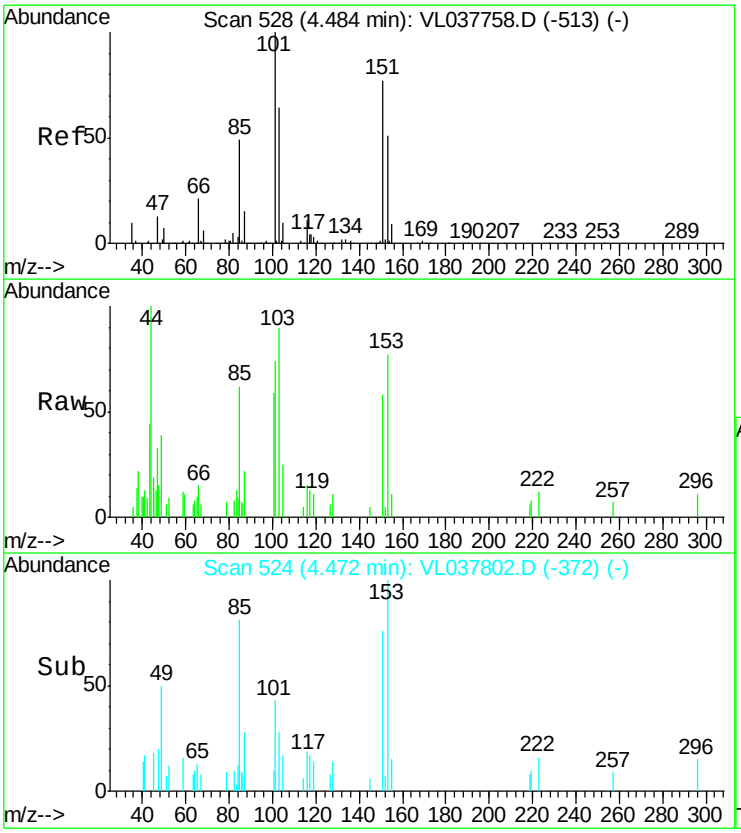
#10
Heptane
Concen: 0.042 ppbv
RT: 8.11 min Scan# 1654
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument :
MSVOA_L
ClientSampleId :
C0P20DUP

Tgt Ion: 43 Resp: 9493

Ion	Ratio	Lower	Upper
43	100		
57	112.0	40.0	60.0#

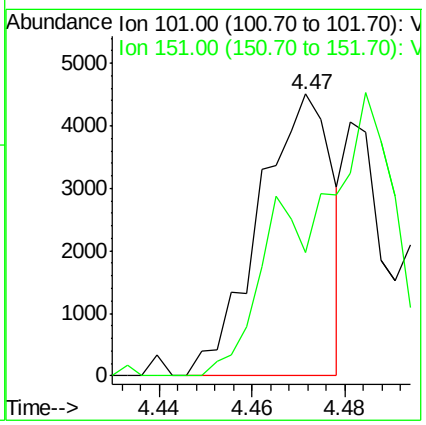


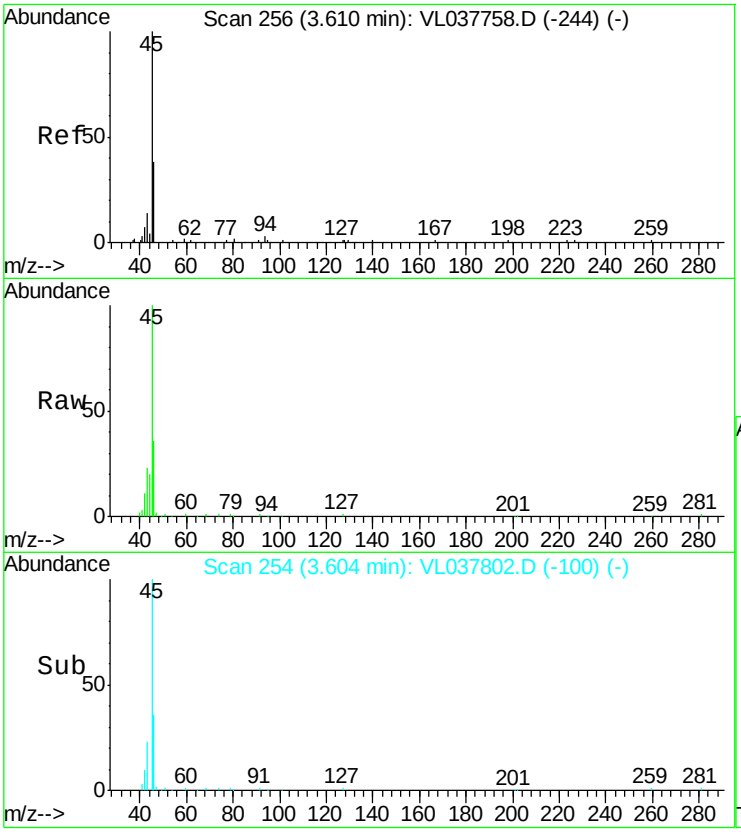


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.033 ppbv
RT: 4.47 min Scan# 524
Delta R.T. -0.01 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion:101 Resp: 4950

Ion	Ratio	Lower	Upper
101	100		
151	0.0	62.9	94.3#



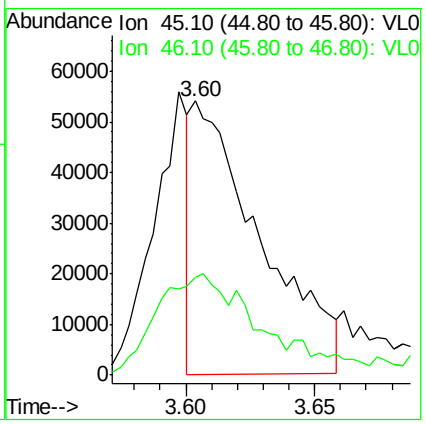


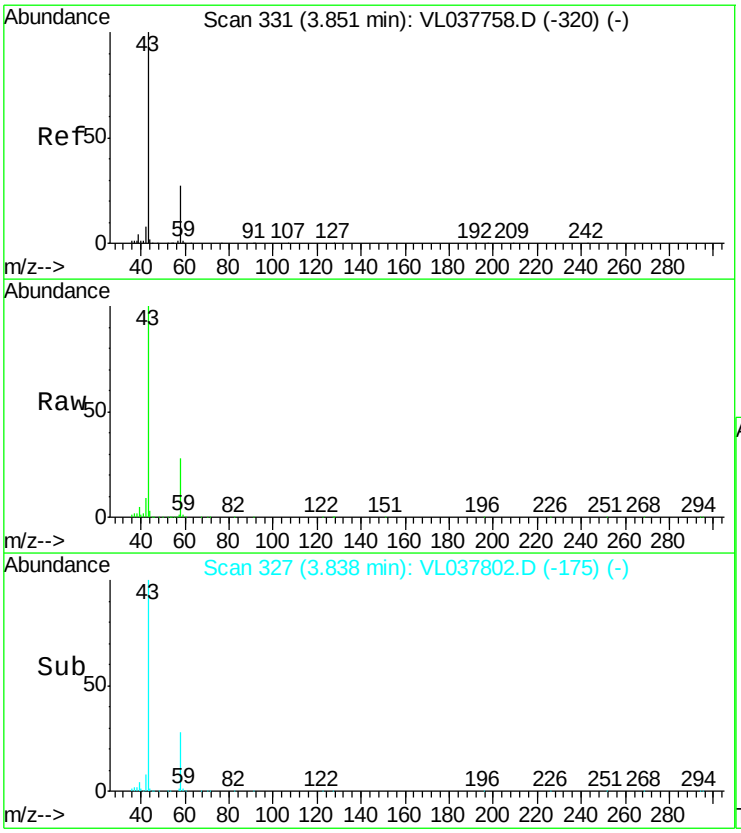
#13
Ethanol
Concen: 12.200 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Tgt Ion: 45 Resp: 98356

Ion	Ratio	Lower	Upper
45	100		
46	68.0	20.2	81.0

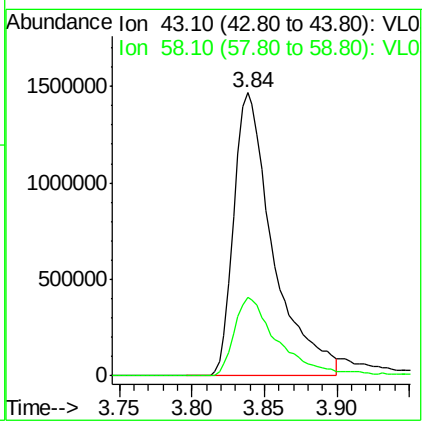


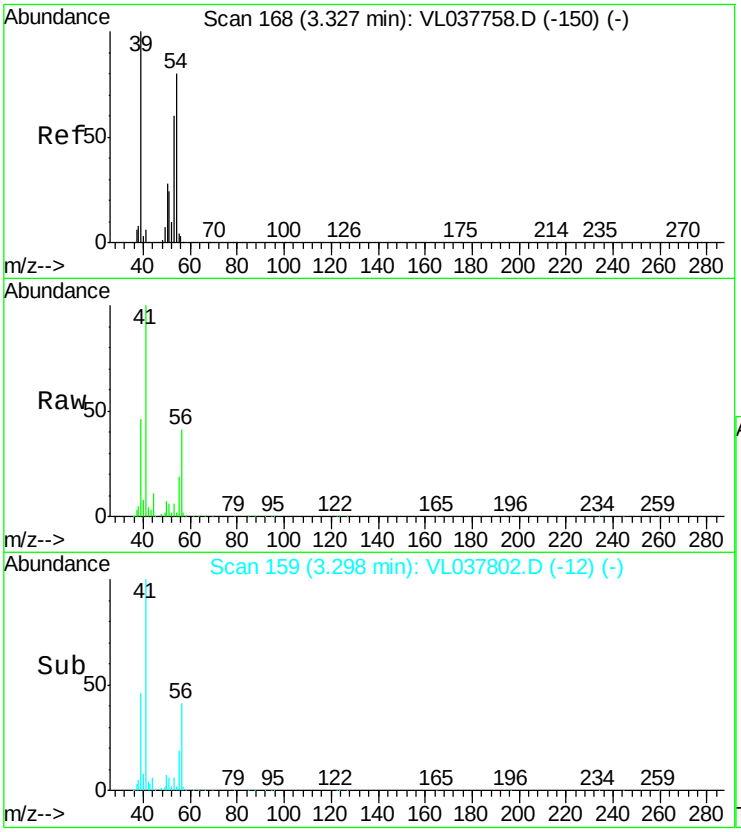


#15
Acetone
Concen: 22.063 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 43 Resp: 2761666

Ion	Ratio	Lower	Upper
43	100		
58	32.7	23.0	34.6



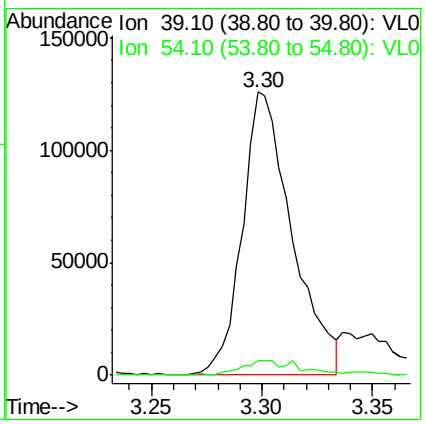


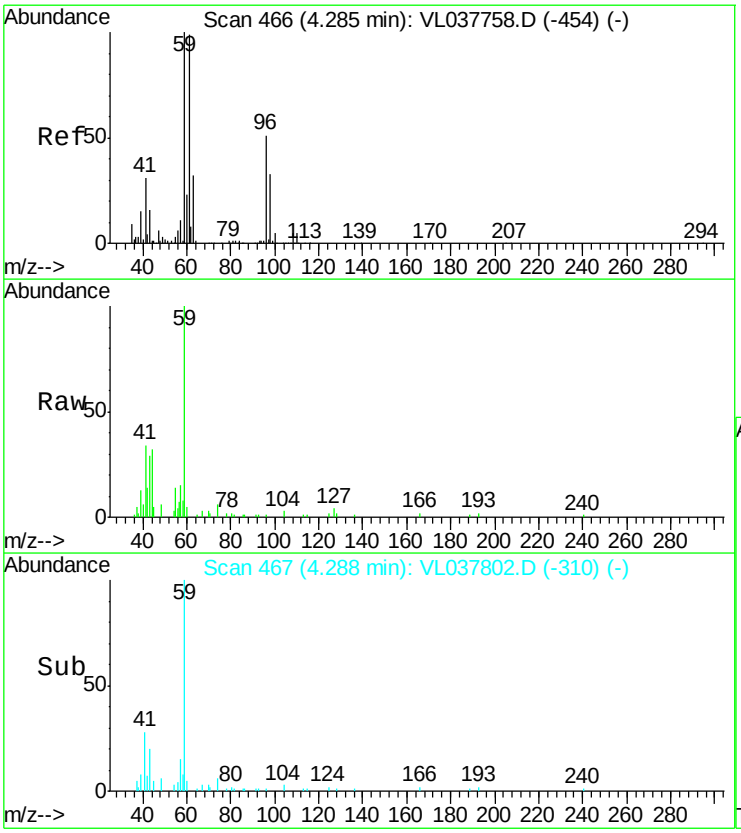
#16
1,3-Butadiene
Concen: 2.164 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.03 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Tgt Ion: 39 Resp: 197069

Ion	Ratio	Lower	Upper
39	100		
54	6.9	61.7	92.5#

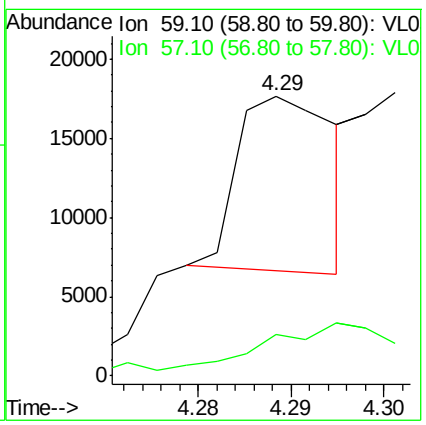


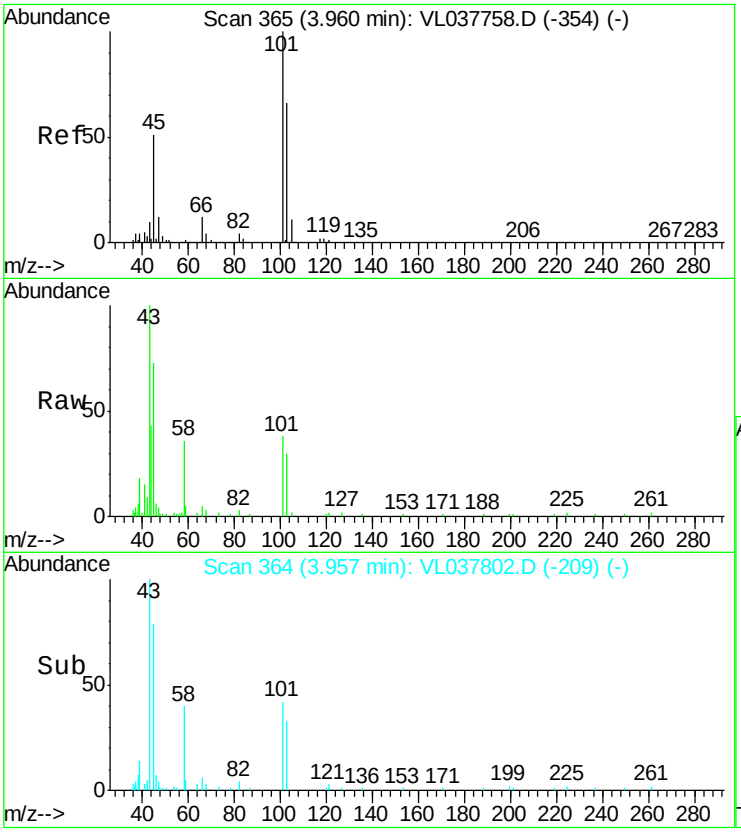


#17
tert-Butyl alcohol
Concen: 0.062 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 59 Resp: 7966

Ion	Ratio	Lower	Upper
59	100		
57	80.8	8.6	13.0#



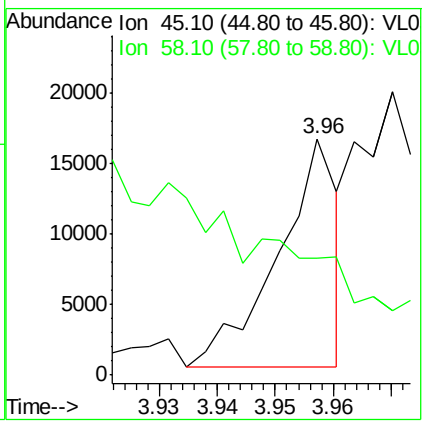


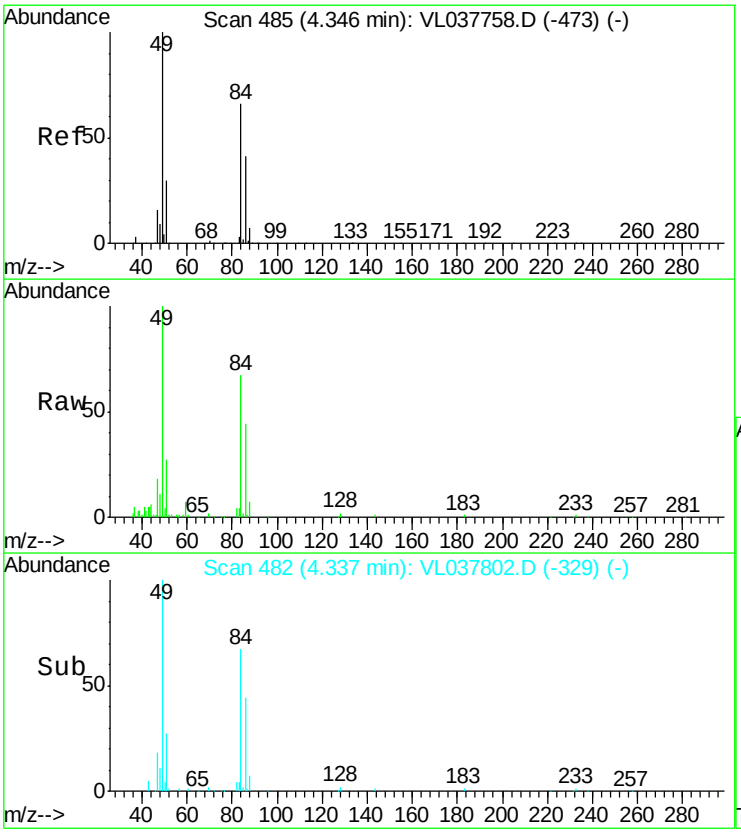
#19
Isopropyl Alcohol
Concen: 0.149 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Tgt Ion: 45 Resp: 11593

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.1	1.7#

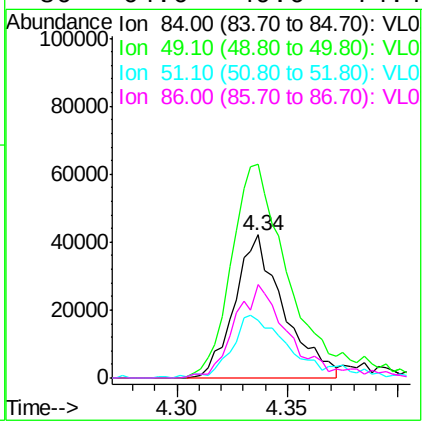


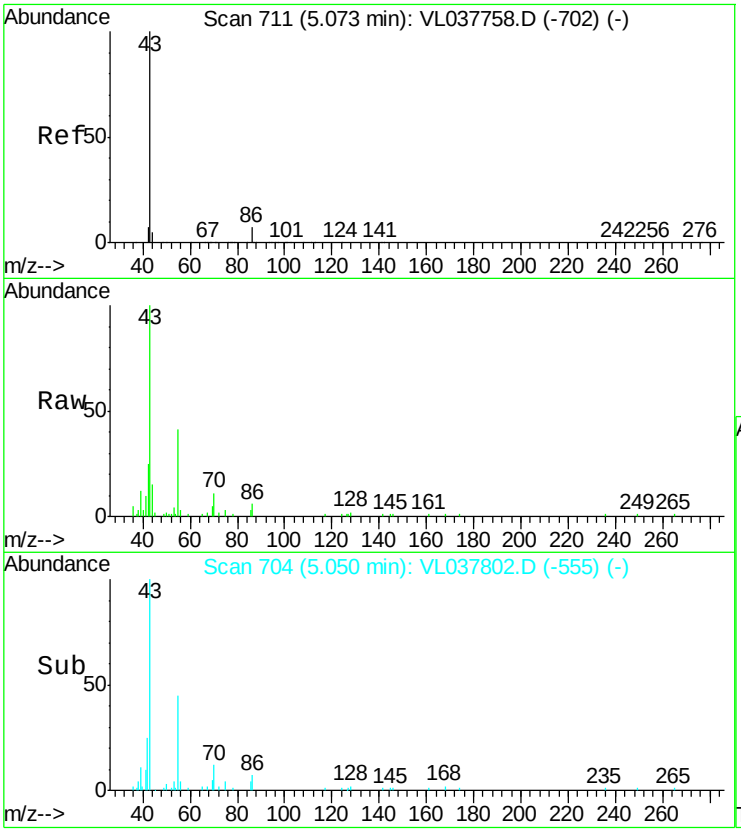


#20
Methylene Chloride
Concen: 1.025 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 84 Resp: 64816

Ion	Ratio	Lower	Upper
84	100		
49	147.2	120.7	181.1
51	39.8	36.2	54.4
86	64.6	49.6	74.4



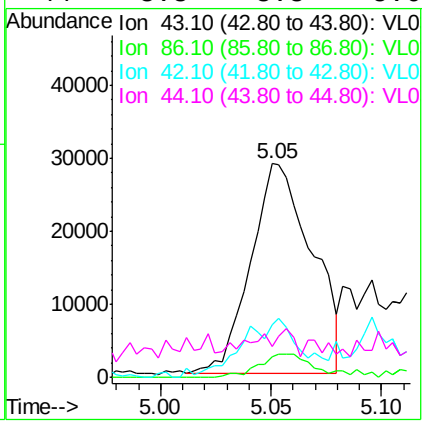


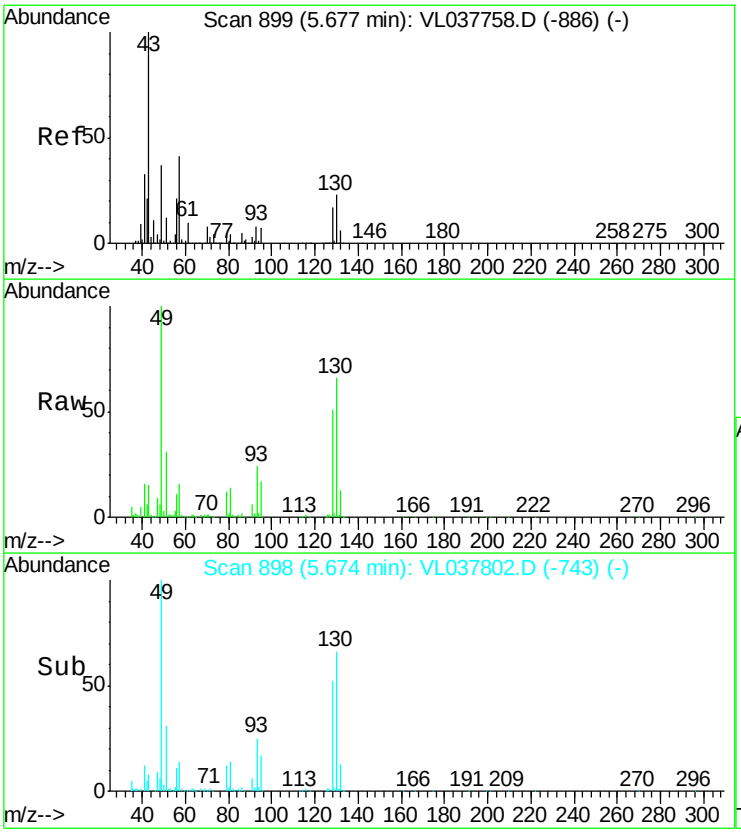
#23
Vinyl Acetate
Concen: 0.294 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Tgt Ion: 43 Resp: 55069

Ion	Ratio	Lower	Upper
43	100		
86	9.5	5.0	7.4#
42	21.1	7.4	11.0#
44	3.8	3.8	5.6

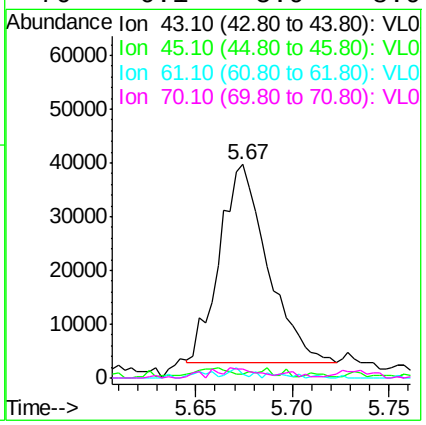


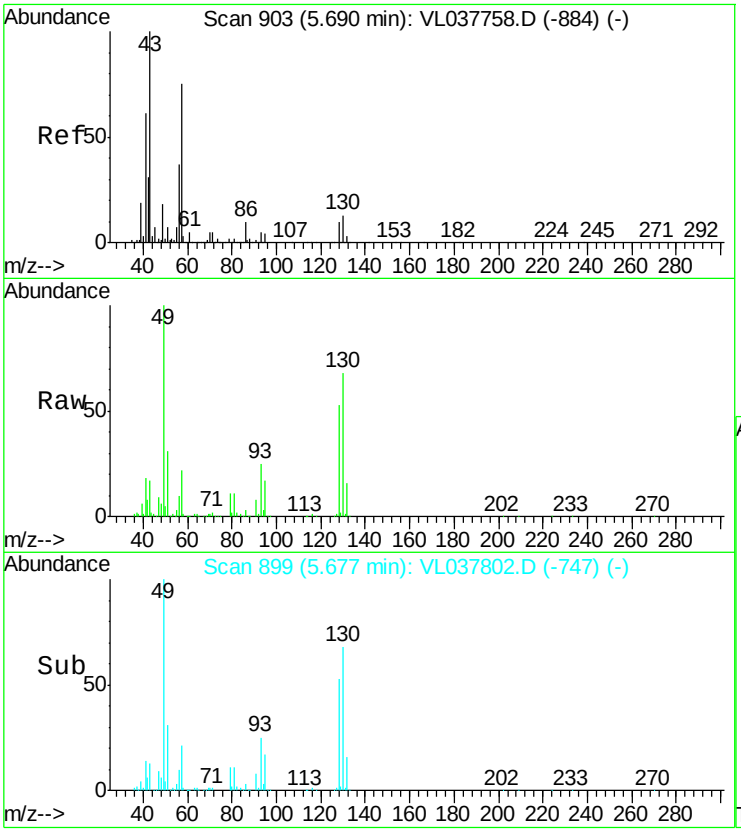


#25
Ethyl Acetate
Concen: 0.181 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 43 Resp: 63571

Ion	Ratio	Lower	Upper
43	100		
45	7.1	8.1	12.1#
61	4.3	7.5	11.3#
70	6.1	5.9	8.9



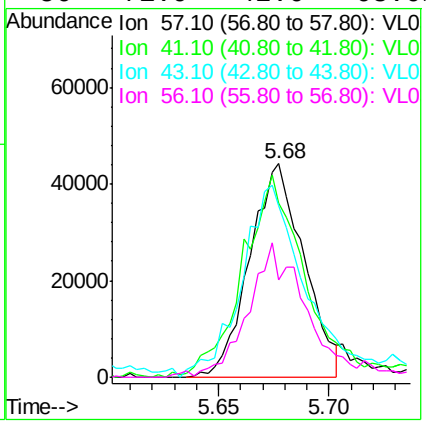


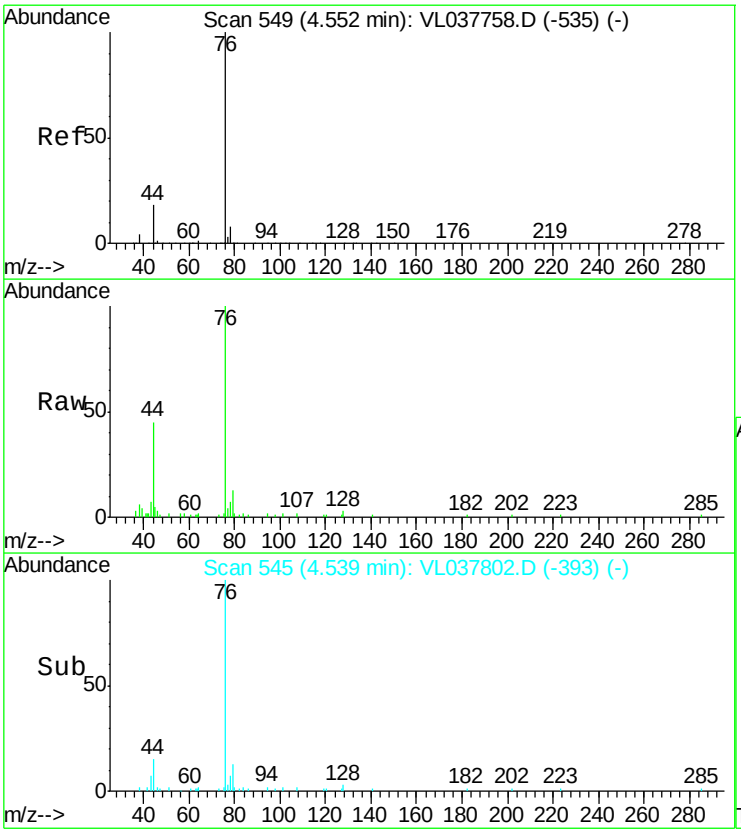
#26
Hexane
Concen: 0.435 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Tgt Ion: 57 Resp: 75280

Ion	Ratio	Lower	Upper
57	100		
41	110.5	69.6	104.4#
43	116.2	171.4	257.0#
56	71.9	42.0	63.0#

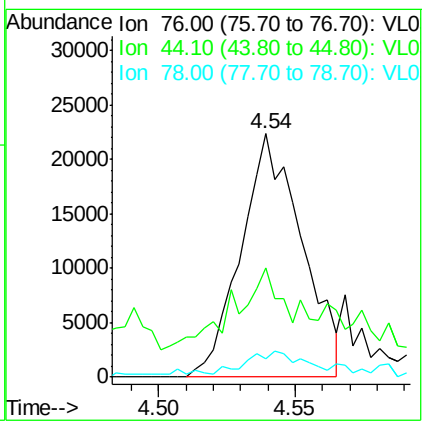


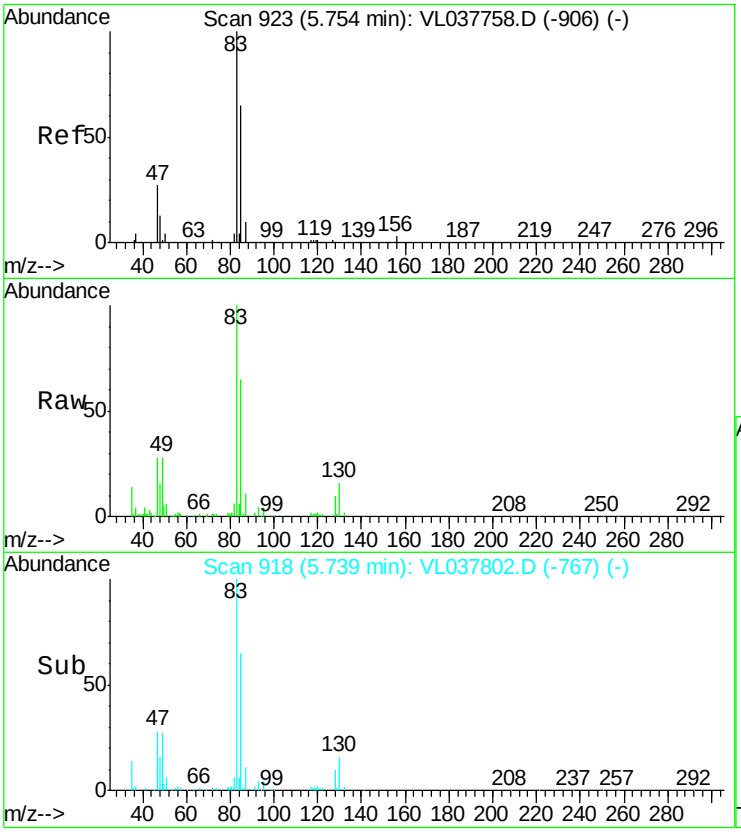


#27
Carbon Disulfide
Concen: 0.226 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.01 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 76 Resp: 34665

Ion	Ratio	Lower	Upper
76	100		
44	48.7	14.3	21.5#
78	16.7	7.8	11.6#



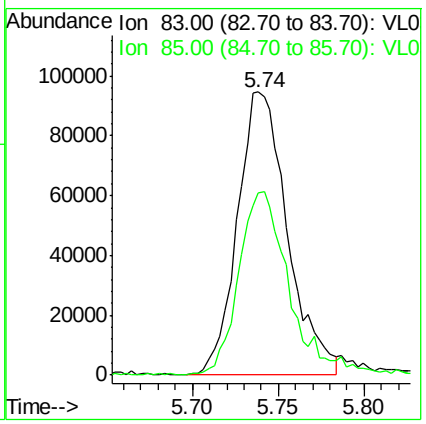


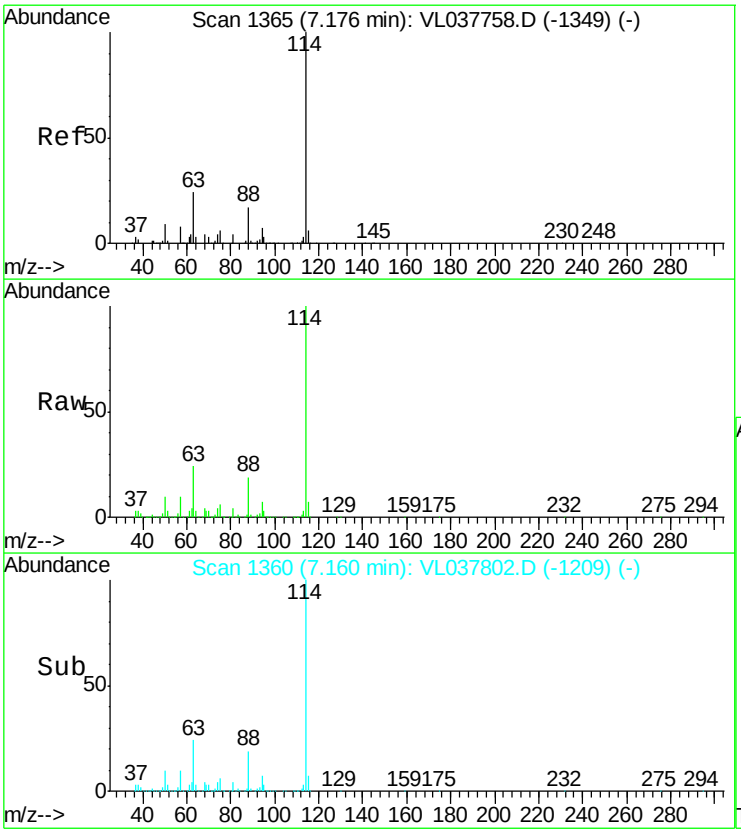
#29
Chloroform
Concen: 0.775 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Tgt Ion: 83 Resp: 191578

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.8

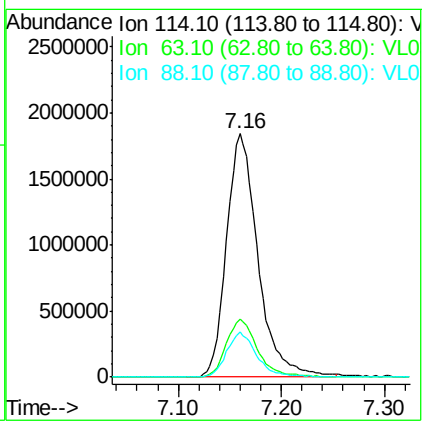


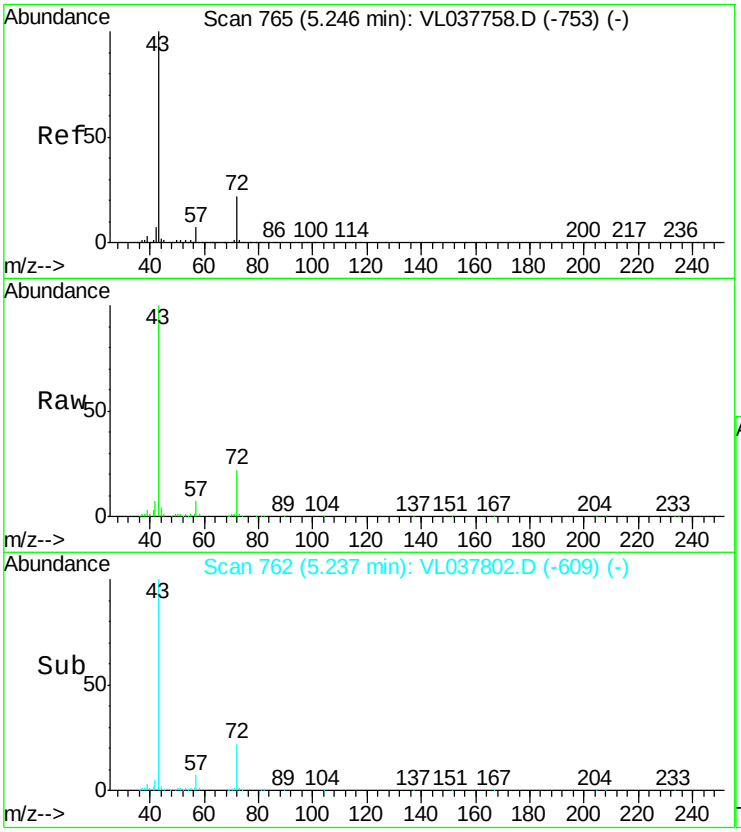


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion:114 Resp: 3920798

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.4	29.2
88	17.8	14.4	21.6



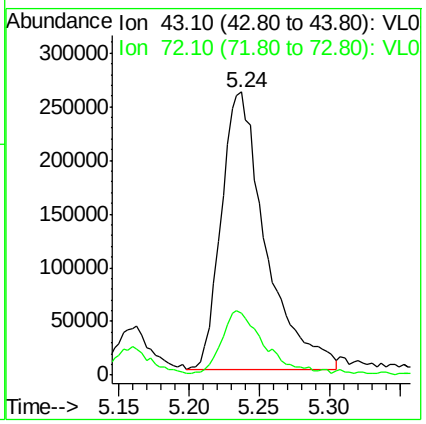


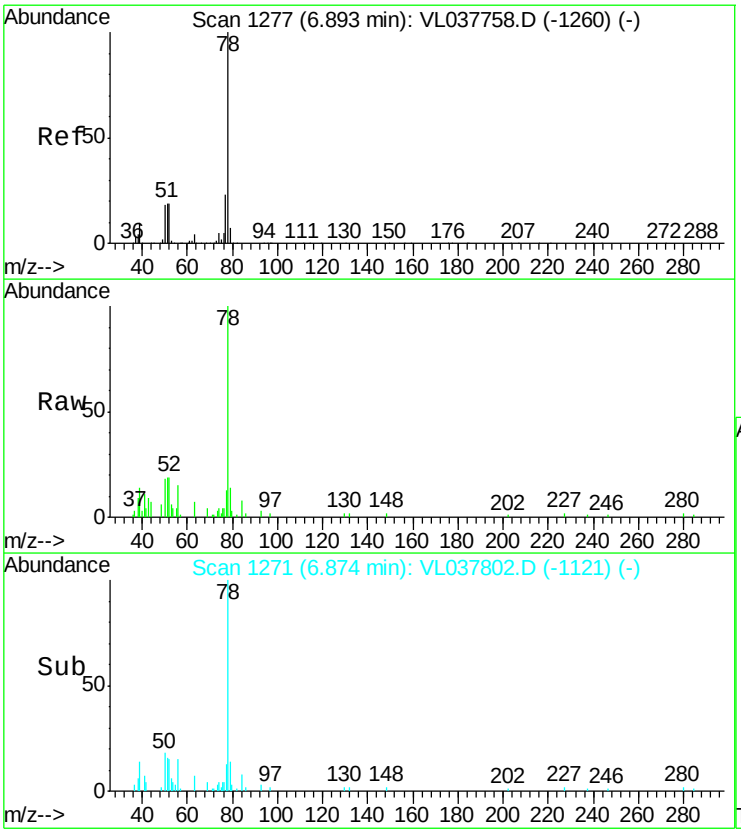
#34
2-Butanone
Concen: 3.578 ppbv
RT: 5.24 min Scan# 762
Delta R.T. -0.01 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument :
MSVOA_L
ClientSampleId :
C0P20DUP

Tgt Ion: 43 Resp: 566286

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.2	27.2

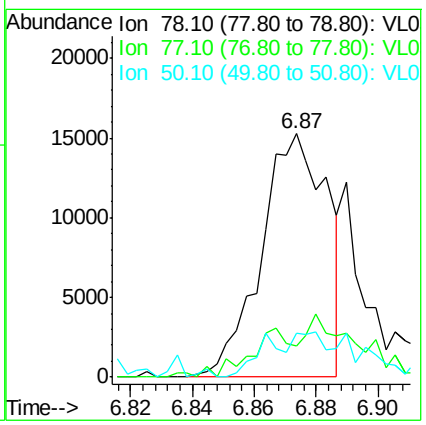


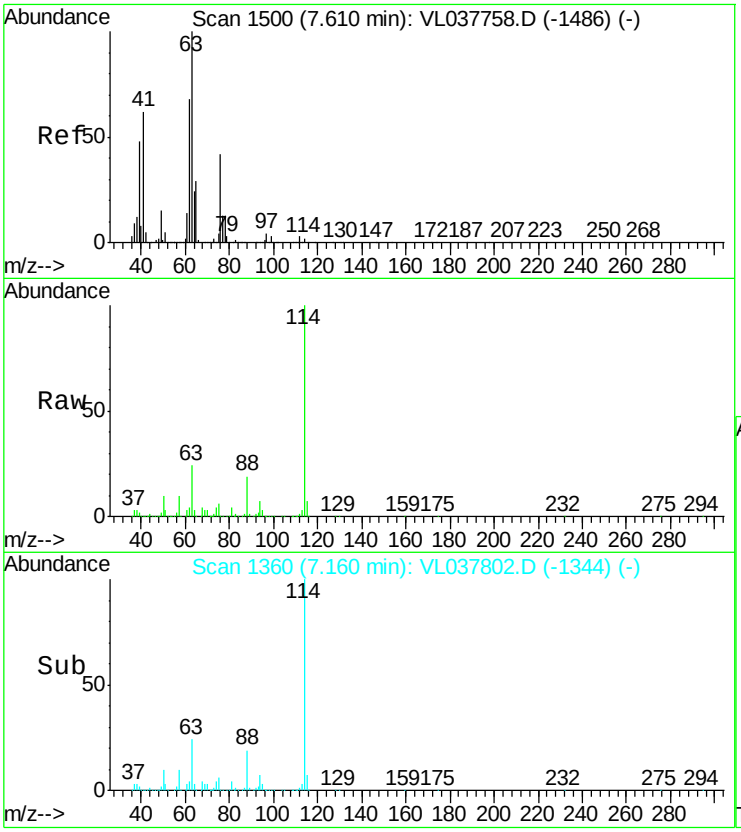


#36
Benzene
Concen: 0.068 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 78 Resp: 22609

Ion	Ratio	Lower	Upper
78	100		
77	11.1	18.8	28.2#
50	18.1	14.7	22.1



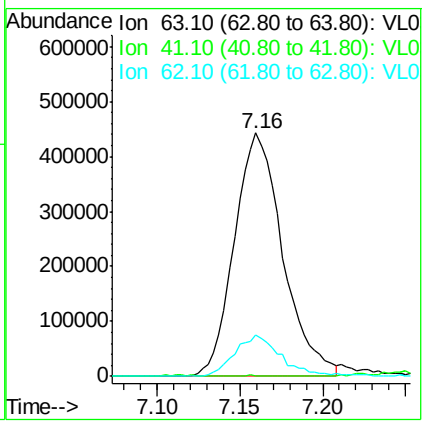


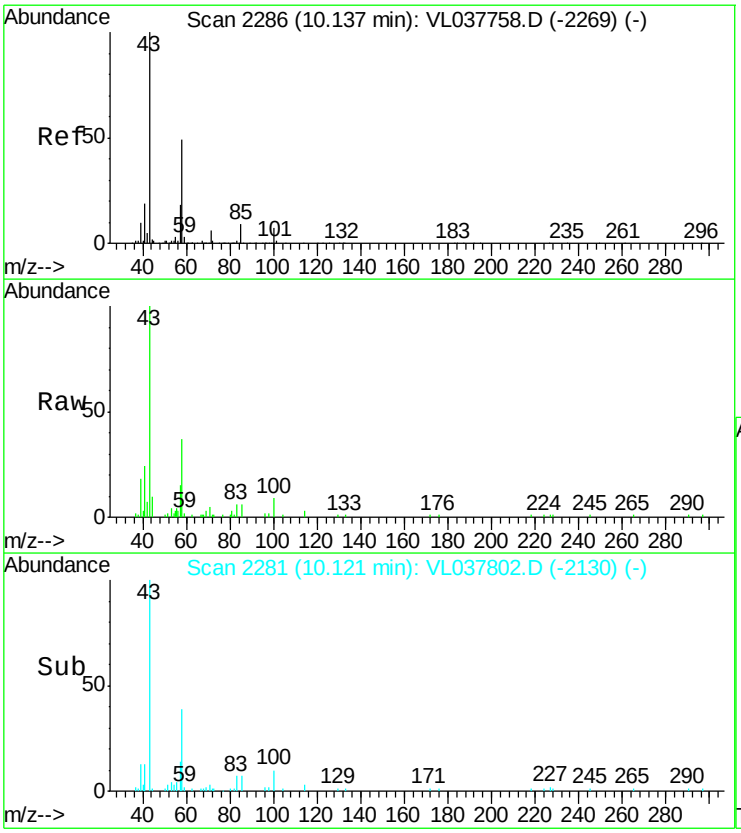
#39
1,2-Dichloropropane
Concen: 7.088 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.45 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Tgt Ion: 63 Resp: 892867

Ion	Ratio	Lower	Upper
63	100		
41	0.2	49.8	74.6#
62	17.2	54.6	82.0#

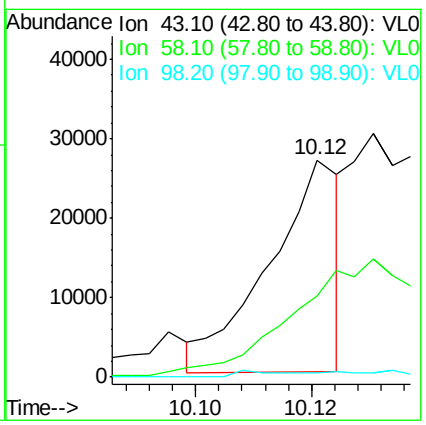


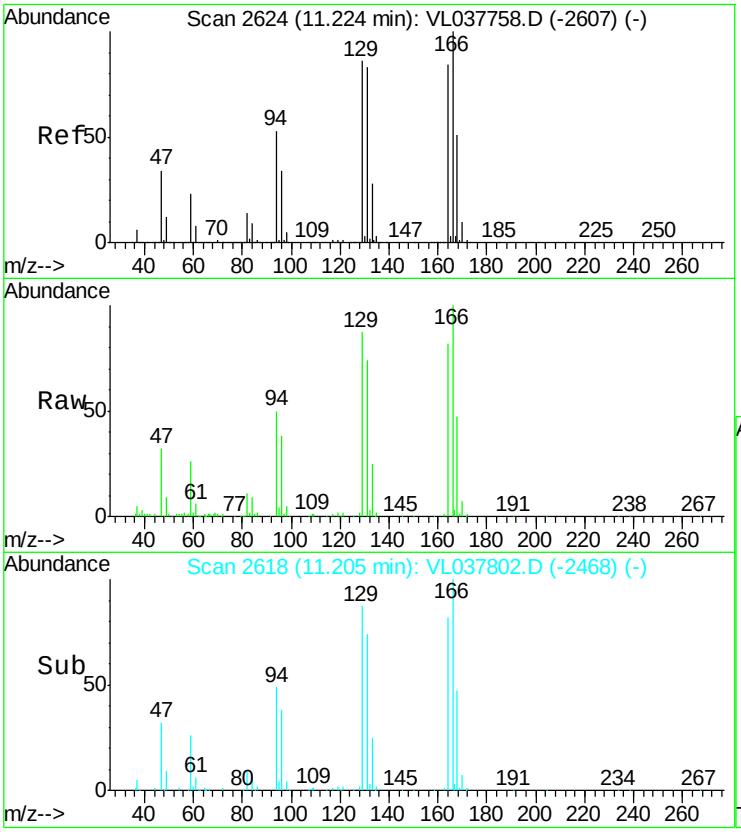


#51
2-Hexanone
Concen: 0.246 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 43 Resp: 22671

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.4	59.0#
98	5.0	0.3	0.5#



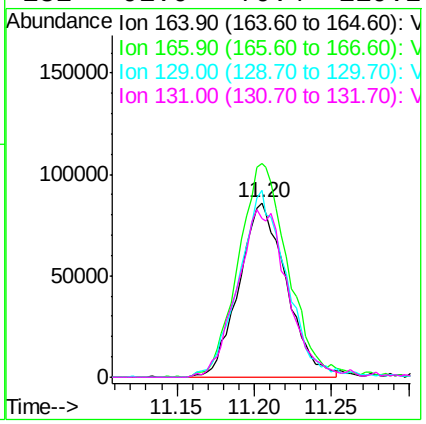


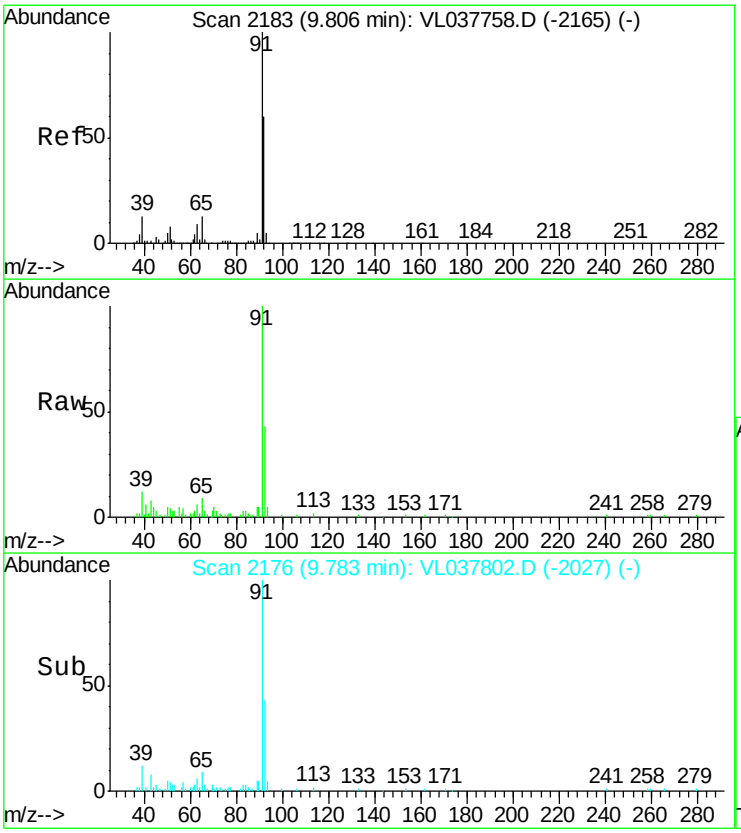
#52
Tetrachloroethene
Concen: 1.404 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument :
MSVOA_L
ClientSampleId :
C0P20DUP

Tgt Ion:164 Resp: 182941

Ion	Ratio	Lower	Upper
164	100		
166	122.4	95.4	143.2
129	106.9	82.2	123.4
131	91.0	79.4	119.2

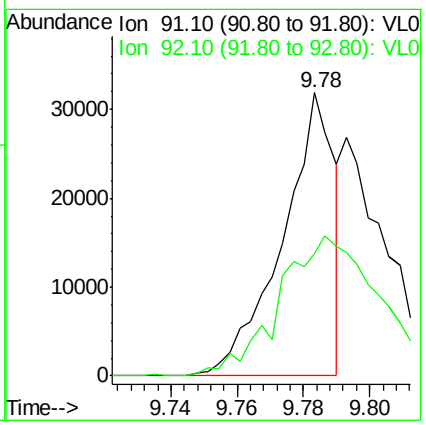


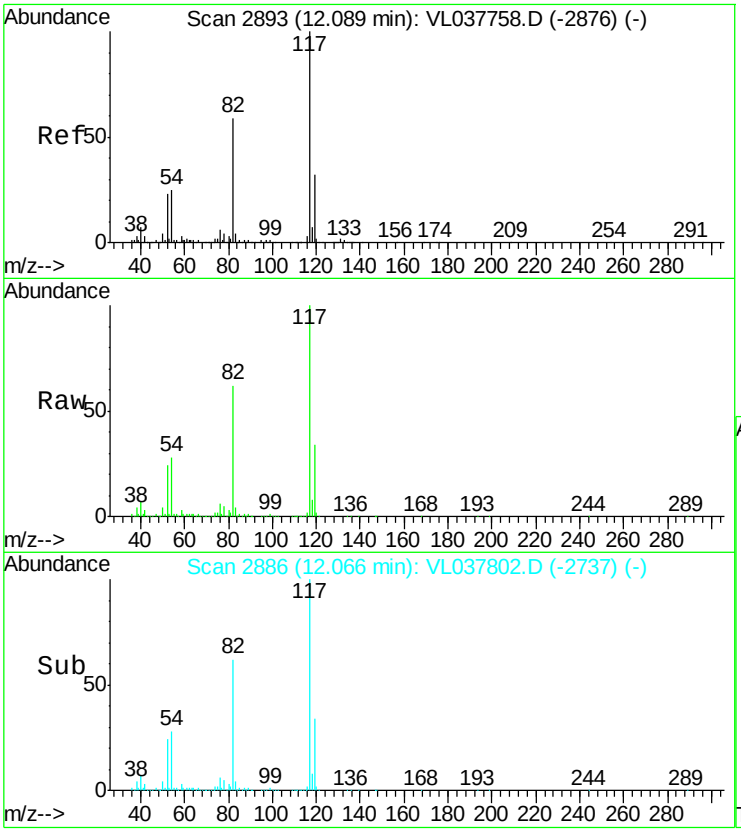


#53
Toluene
Concen: 0.093 ppbv
RT: 9.78 min Scan# 2176
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 91 Resp: 34621

Ion	Ratio	Lower	Upper
91	100		
92	100.5	48.4	72.6#



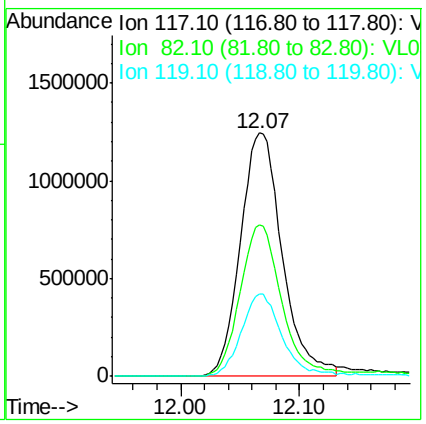


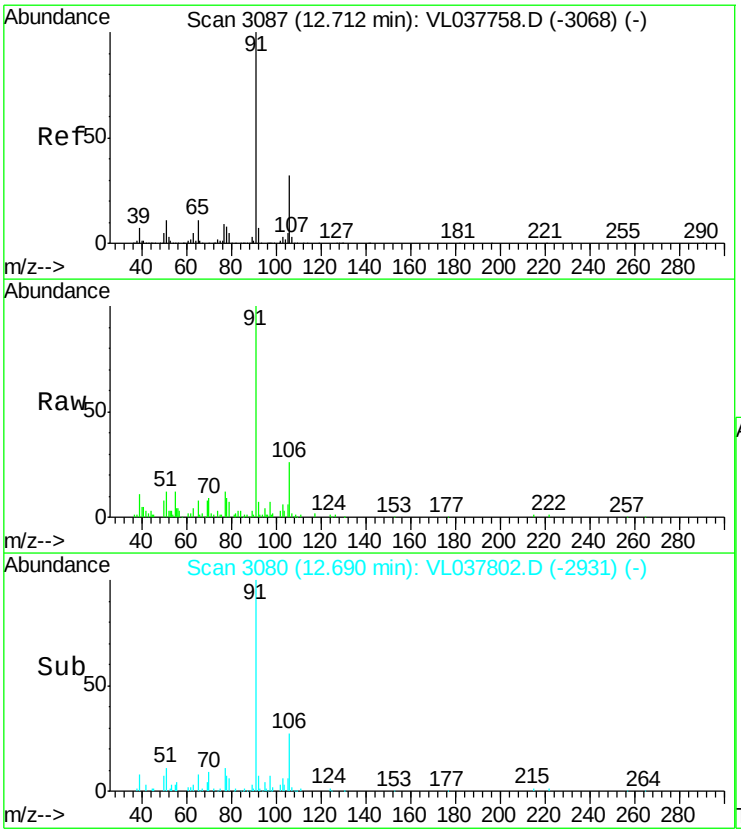
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Tgt Ion:117 Resp: 3031417

Ion	Ratio	Lower	Upper
117	100		
82	64.7	52.2	78.2
119	33.8	26.0	39.0

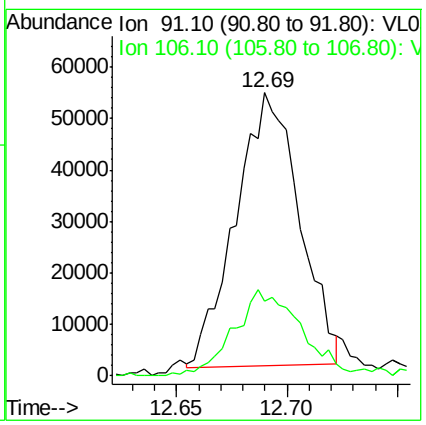


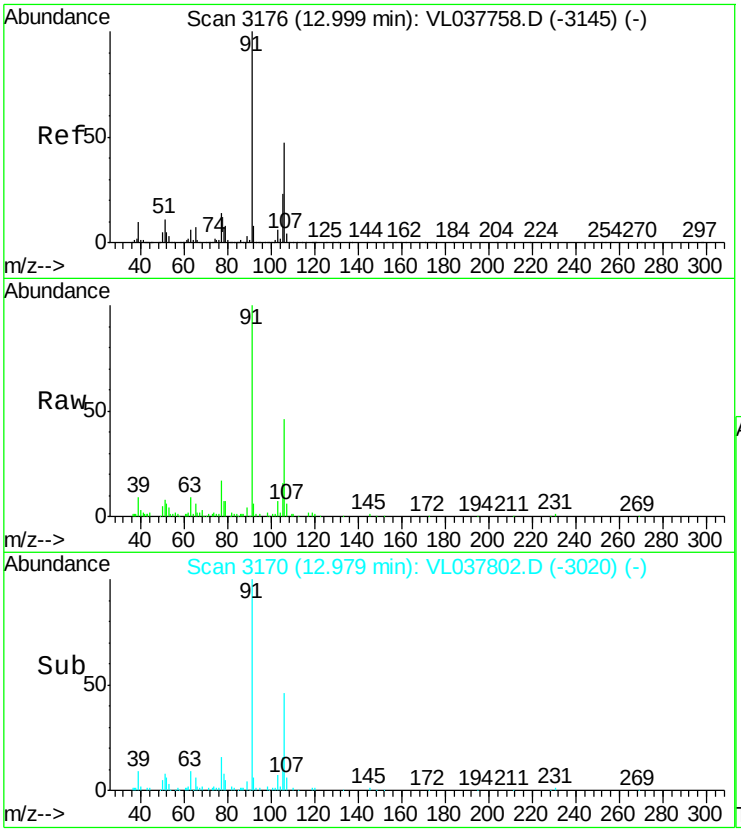


#58
Ethyl Benzene
Concen: 0.260 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 91 Resp: 105937

Ion	Ratio	Lower	Upper
91	100		
106	25.6	25.3	37.9



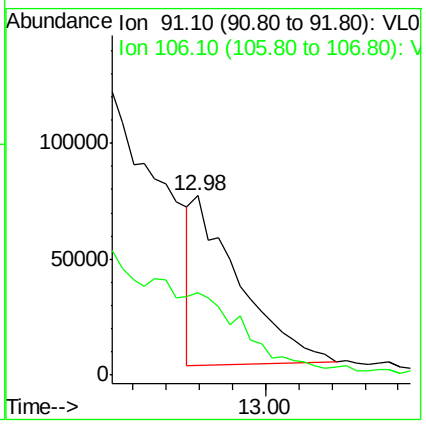


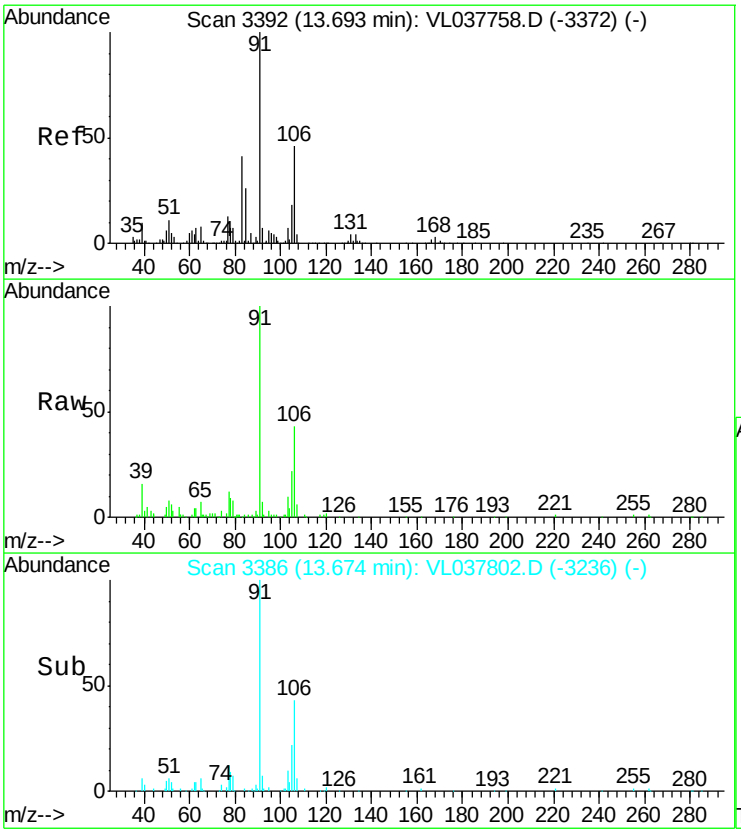
#59
m/p-Xylene
Concen: 0.204 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Tgt Ion: 91 Resp: 71218

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.7	55.1#

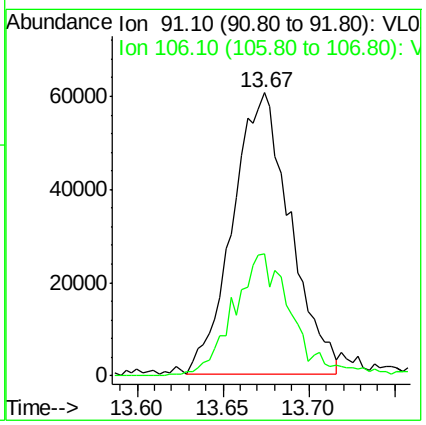


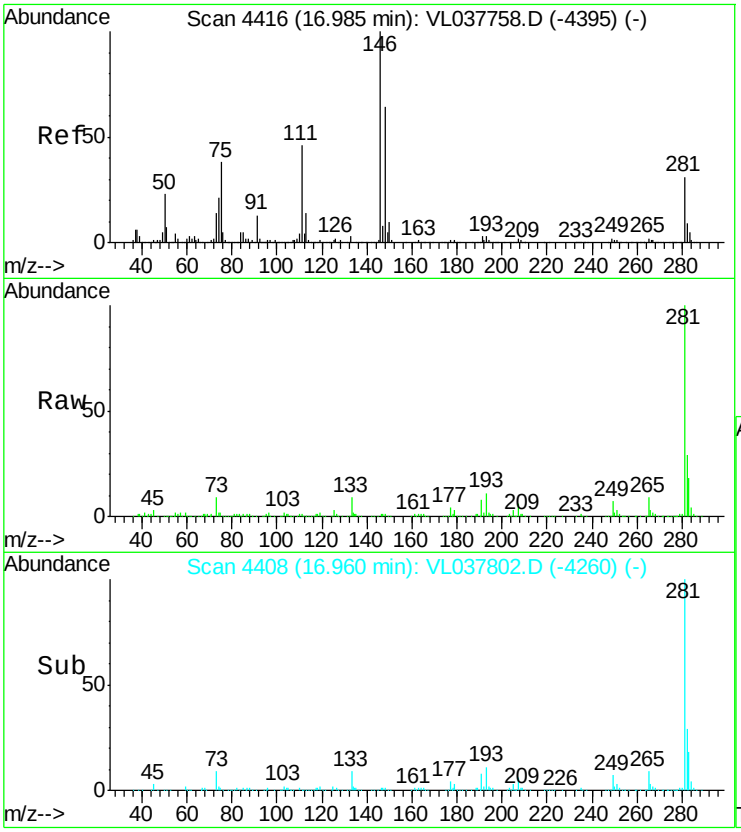


#60
o-Xylene
Concen: 0.418 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 91 Resp: 140066

Ion	Ratio	Lower	Upper
91	100		
106	44.9	23.5	70.5



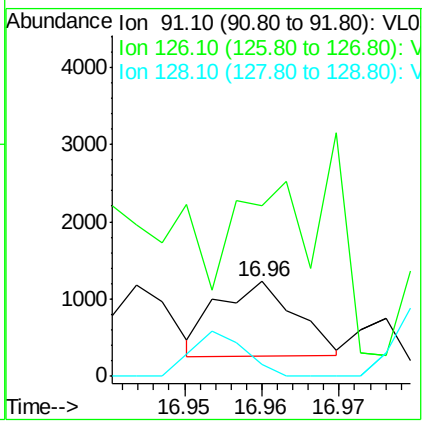


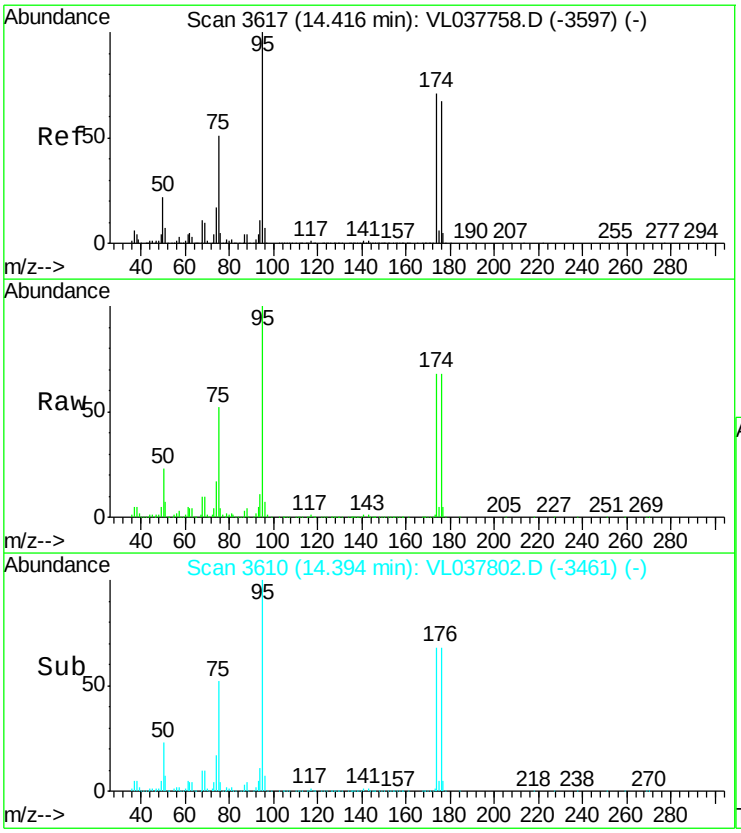
#66
Benzyl Chloride
Concen: 0.033 ppbv
RT: 16.96 min Scan# 4408
Delta R.T. -0.03 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument :
MSVOA_L
ClientSampleId :
C0P20DUP

Tgt Ion: 91 Resp: 675

Ion	Ratio	Lower	Upper
91	100		
126	0.0	0.0	0.0
128	41.5	5.3	7.9#

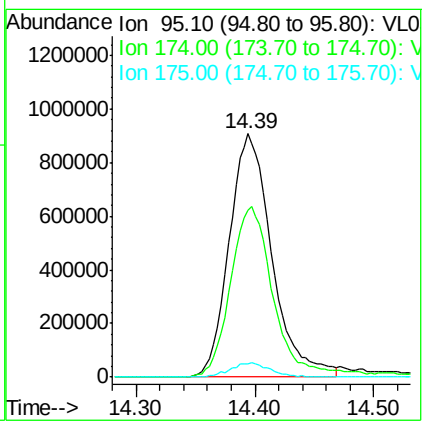


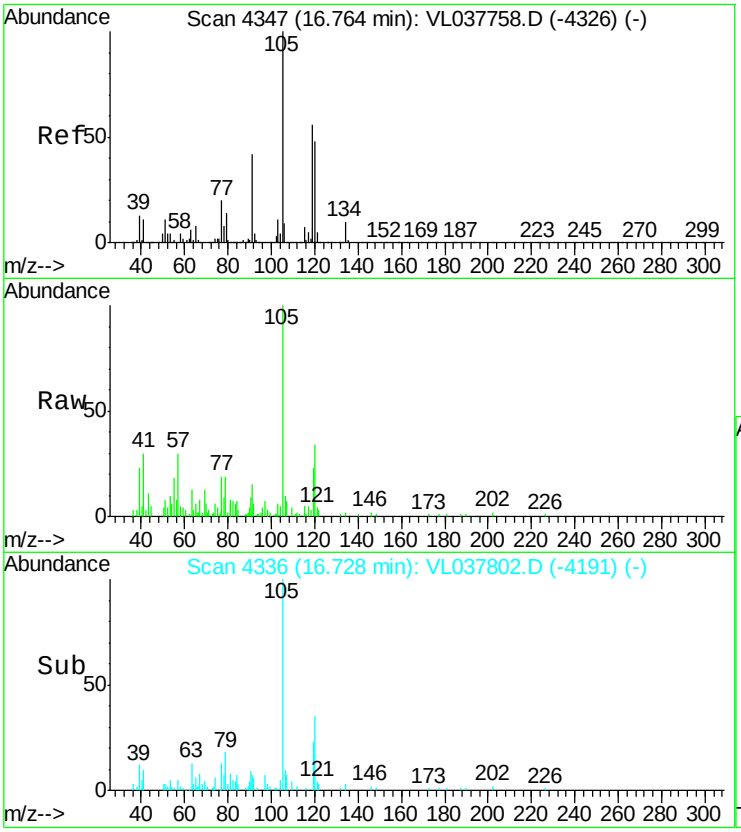


#68
1-Bromo-4-Fluorobenzene
Concen: 10.606 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion: 95 Resp: 2248268

Ion	Ratio	Lower	Upper
95	100		
174	73.6	57.8	86.6
175	5.8	4.7	7.1



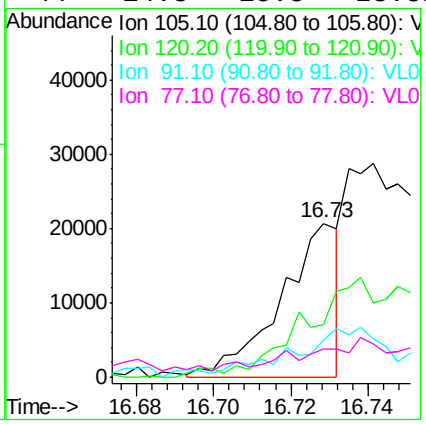


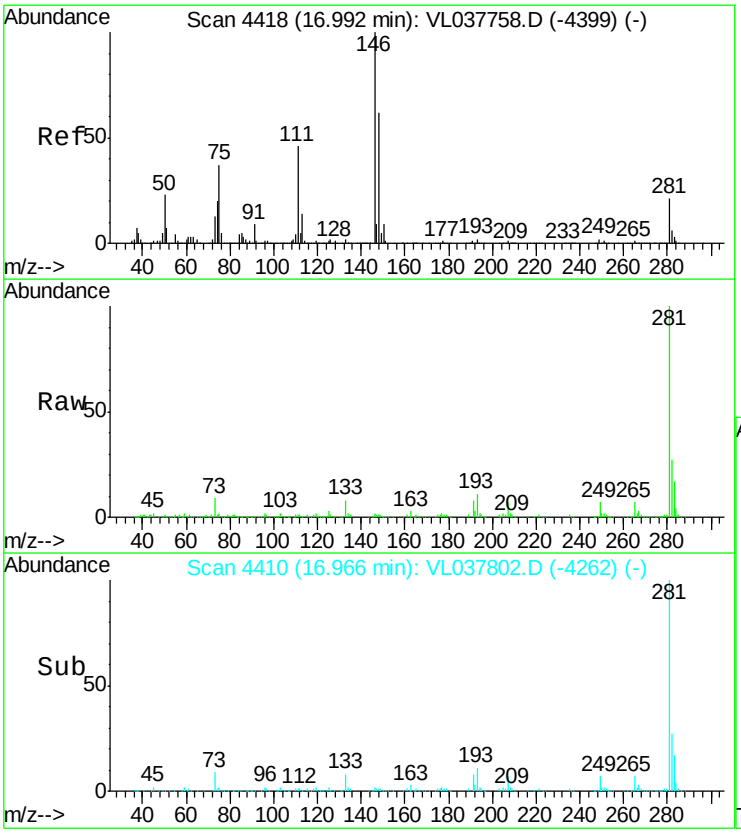
#74
1,2,4-Trimethylbenzene
Concen: 0.059 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. -0.04 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument :
MSVOA_L
ClientSampleId :
C0P20DUP

Tgt Ion:105 Resp: 21480

Ion	Ratio	Lower	Upper
105	100		
120	31.1	38.4	57.6#
91	19.7	34.2	51.2#
77	14.3	15.8	23.8#

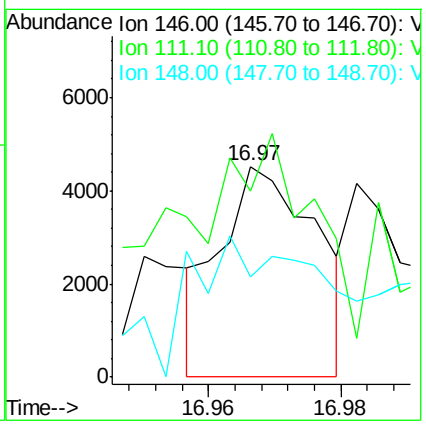


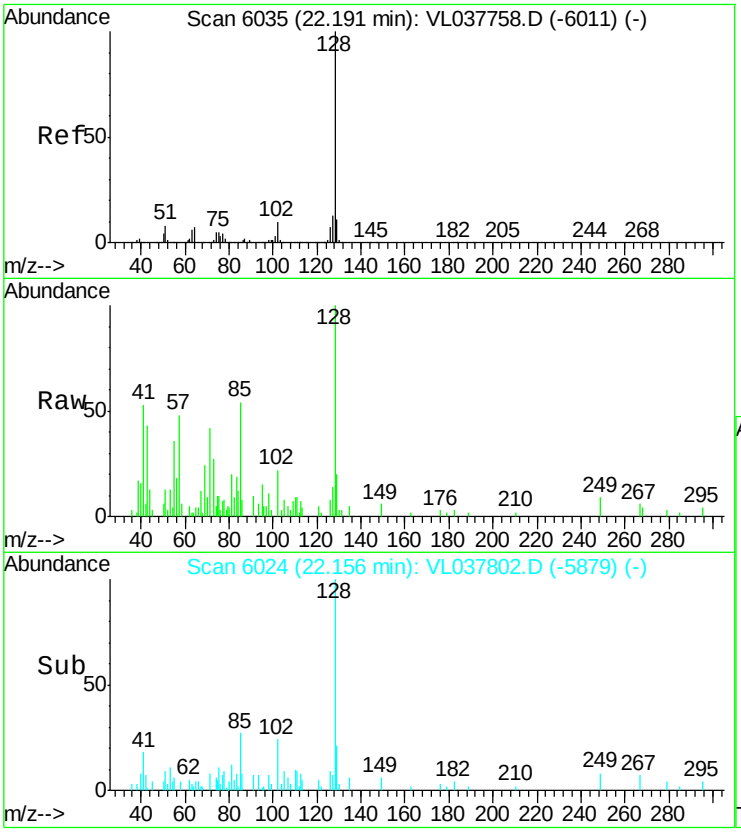


#75
1,3-Dichlorobenzene
Concen: 0.020 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. -0.03 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion:146 Resp: 4540

Ion	Ratio	Lower	Upper
146	100		
111	341.5	22.8	68.4#
148	175.4	32.8	98.3#



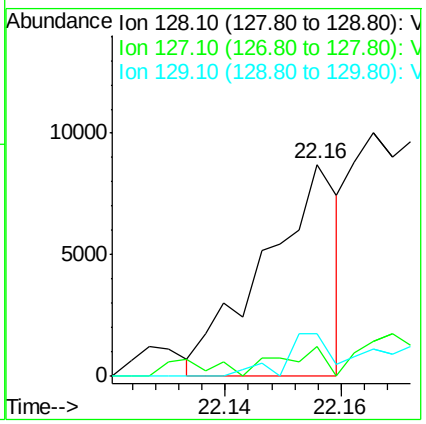


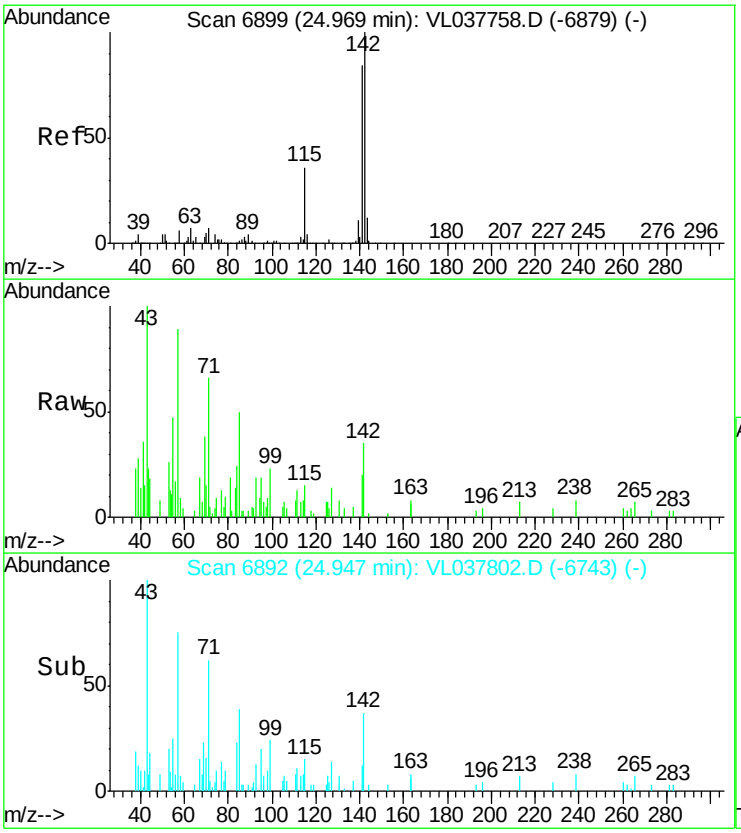
#79
Naphthalene
Concen: 0.035 ppbv
RT: 22.16 min Scan# 6024
Delta R.T. -0.04 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Instrument : MSVOA_L
ClientSampleId : C0P20DUP

Tgt Ion:128 Resp: 7704

Ion	Ratio	Lower	Upper
128	100		
127	15.4	10.1	15.1#
129	21.7	9.1	13.7#





#80
Naphthalene,2-methyl-
Concen: 0.062 ppbv
RT: 24.95 min Scan# 6892
Delta R.T. -0.02 min
Lab File: VL037802.D
Acq: 7 Oct 2021 19:06

Tgt Ion:142 Resp: 3701

Ion	Ratio	Lower	Upper
142	100		
141	99.8	68.6	102.8
115	58.2	29.0	43.6#