Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052019\

Quantitation Report (Not Reviewed)

Data File : VL033737.D
Acq On : 21 May 2019 8:48
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 21 10:41:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	995306	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2331858	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	3025822	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2015441	8.22	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1373588	6.548	ppbv	99
3) Chlorodifluoromethane	3.01	51	1137787	9.980	ppbv	99
4) Chloromethane	3.17	50	623876	9.567	ppbv	99
5) Vinyl Chloride	3.29	62	634043	9.545	ppbv	99
6) Bromomethane	3.51	94	401030	9.895	ppbv	100
7) Chloroethane	3.60	64	234393	9.929	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1630305	9.641	ppbv	100
9) Propene	3.03	41	463358	9.555	ppbv	99
10) Heptane	8.24	43	1284658	9.355	ppbv	100
11) Trichlorofluoromethane	4.00	101	1991085	9.946	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1341896	9.599	ppbv	99
13) Ethanol	3.64	45	108407	6.917	ppbv	99
14) Bromoethene	3.78	108	518609	10.091	ppbv	98
15) Acetone	3.90	43	1250146	9.053	ppbv	98
16) 1,3-Butadiene	3.36	39	569071	10.348	ppbv	99
17) tert-Butyl alcohol	4.35	59	1076545	9.641	ppbv	100
18) 1,1-Dichloroethene	4.35	96	583962	9.897	ppbv	93
19) Isopropyl Alcohol	4.02	45	794643	8.925	ppbv #	98
20) Methylene Chloride	4.40	84	495655	9.322	ppbv	98
21) Allyl Chloride	4.47	41	885278	10.278	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	592922	9.803	ppbv	93
23) Vinyl Acetate	5.15	43	1828058	10.040	ppbv	99
24) 1,1-Dichloroethane	5.08	63	1290871	9.326	ppbv	99
25) Ethyl Acetate	5.76	43	2256010	9.300	ppbv	99
26) Hexane	5.77	57	979042	9.388	ppbv	97
27) Carbon Disulfide	4.61	76	1511373	10.563	ppbv	98
28) Methyl tert-Butyl Ether	5.10	73	1618423	9.519	ppbv	100
29) Chloroform	5.84	83	1708682	8.895	ppbv	98
30) Cyclohexane	7.24	84	839847	9.579	ppbv	99
31) cis-1,2-Dichloroethene	5.63	61	1004446	9.714	ppbv	98
32) 1,1,1-Trichloroethane	6.61	97	1757017	9.160	ppbv	99
34) 2-Butanone	5.32	43	1461606	10.112	ppbv	99
35) Carbon Tetrachloride	7.13	117	1929338	10.329	ppbv	97
36) Benzene	7.00	78	2032564	9.582	ppbv	100
37) 1,2-Dichloroethane	6.41	62	1328082	9.706	ppbv	99
38) Trichloroethene	7.96	130	852862	10.835	ppbv	97
39) 1,2-Dichloropropane	7.73	63	761418	9.628	ppbv	97
40) 1,4-Dioxane	7.95	88	298862	9.034	ppbv #	99
41) Tetrahydrofuran	6.14	42	793771	9.802	ppbv	99
42) Bromodichloromethane	7.91	83	1877956	10.025	ppbv	98
43) Methyl Methacrylate	8.13	69	828179	10.609	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052019\

Quantitation Report (Not Reviewed)

Data File : VL033737.D
Acq On : 21 May 2019 8:48
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 21 10:41:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3496420	9.753	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	1168339	11.806	ppbv		98
46) cis-1,3-Dichloropropene	8.83	75	1293488	11.162	ppbv		98
47) 1,1,2-Trichloroethane	9.61	97	872155	9.708	ppbv		98
48) Dibromochloromethane	10.44	129	1659190	10.659	ppbv		99
49) Bromoform	13.19	173	1472738	11.244	ppbv		99
50) 4-Methyl-2-Pentanone	8.86	43	2253707	10.137	ppbv		100
51) 2-Hexanone	10.26	43	1860826	10.724	ppbv		99
52) Tetrachloroethene	11.36	164	787336	10.559	ppbv		98
53) Toluene	9.94	91	2435217	10.644	ppbv		100
54) 1,2-Dibromoethane	10.75	107	1401868	10.225	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1116676	7.975	ppbv		95
57) Chlorobenzene	12.29	112	1952173	7.838	ppbv		96
58) Ethyl Benzene	12.86	91	3442967	8.593	ppbv		100
59) m/p-Xylene	13.14	91	3056238	8.725	ppbv	#	38
60) o-Xylene	13.84	91	2932499	8.305	ppbv		100
61) Styrene	13.68	104	2163564	9.101	ppbv		99
62) Isopropylbenzene	14.82	105	3851962	8.101	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1996418	7.775	ppbv		100
64) n-propylbenzene	15.72	120	988691	8.038	ppbv		99
65) tert-Butylbenzene	16.90	119	3501263	8.065	ppbv		99
66) Benzyl Chloride	17.15	91	1989013	9.619	ppbv		100
67) sec-Butylbenzene	17.45	105	4874239	8.021	ppbv		100
69) p-Isopropyltoluene	17.81	119	4112583	8.188	ppbv		100
70) n-Butylbenzene	18.71	91	4270667	7.929	ppbv		99
71) 2-Chlorotoluene	15.61	91	2909261	8.246	ppbv		100
72) 4-Ethyltoluene	15.99	105	3388965	8.394	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	3227888	8.195	ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	3398659	7.928	ppbv		99
75) 1,3-Dichlorobenzene	17.16	146	1992133	7.583	ppbv		100
76) 1,4-Dichlorobenzene	17.30	146	1965044	7.870	ppbv		100
77) 1,2-Dichlorobenzene	17.98	146	1898194	7.690	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	1738533	9.316	ppbv		99
79) Naphthalene	22.41	128	3881093	9.747	ppbv		100
80) Naphthalene,2-methyl-	25.11	142	1898871	12.551	ppbv		100
81) 1,2,4-Trichlorobenzene	22.13	180	2003541	8.593	ppbv		100

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

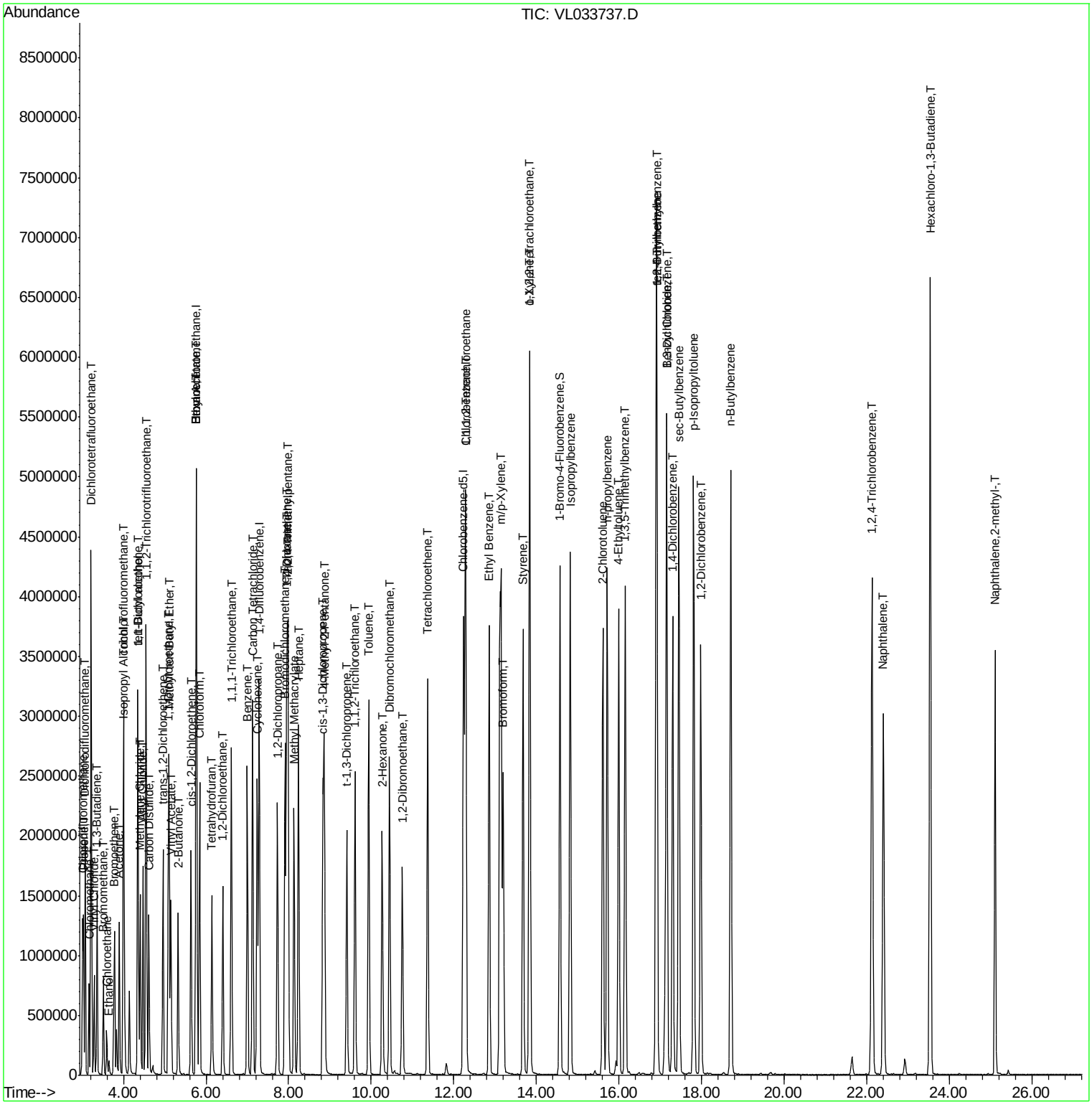
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052019\

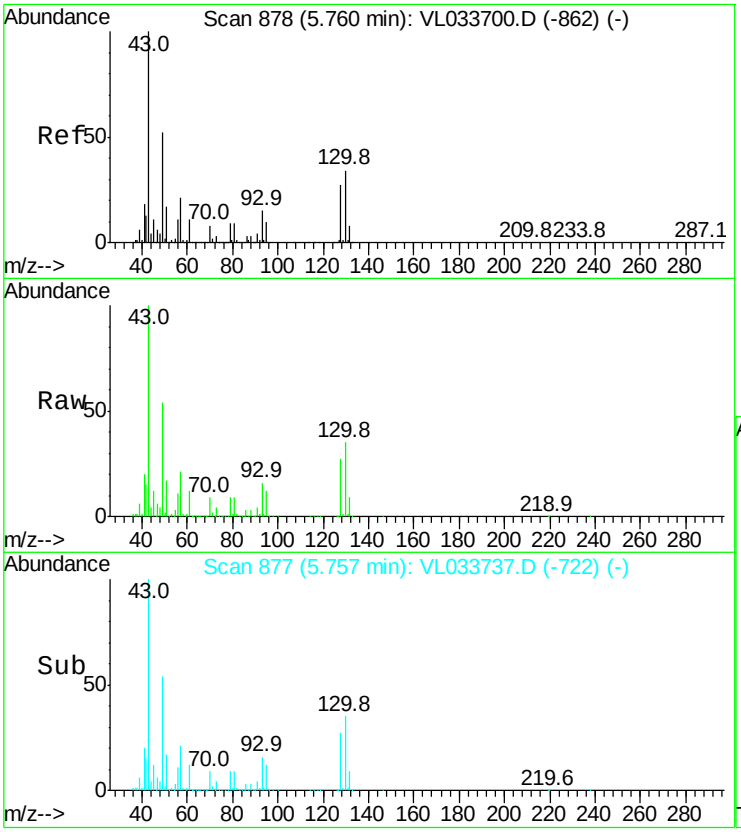
Quantitation Report (Not Reviewed)

Data File : VL033737.D
Acq On : 21 May 2019 8:48
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 21 10:41:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



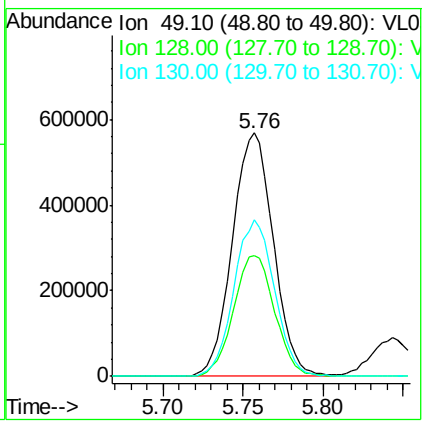


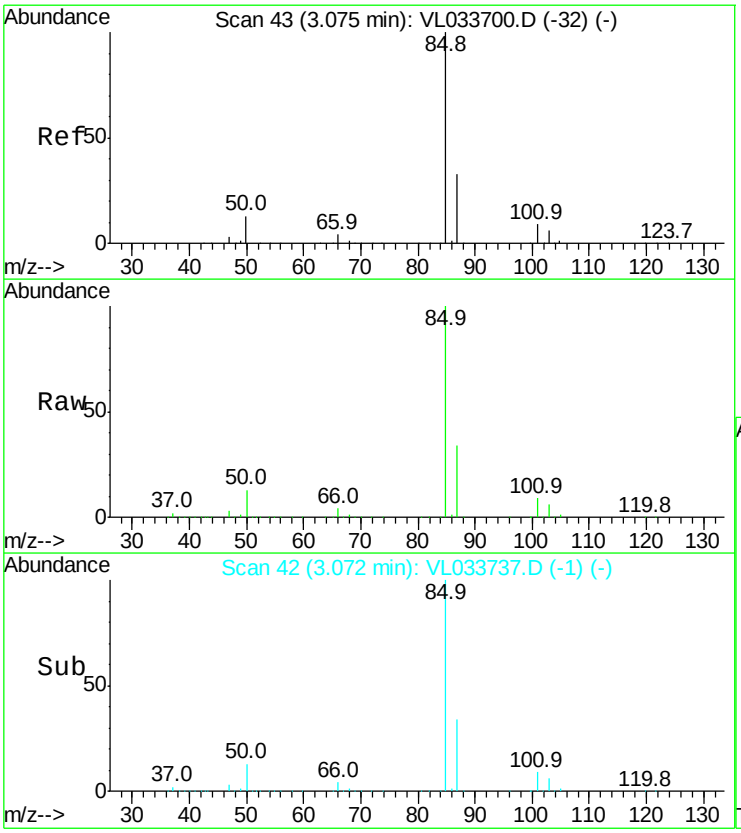
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 995306

Ion	Ratio	Lower	Upper
49	100		
128	49.6	25.2	75.6
130	63.9	32.5	97.5

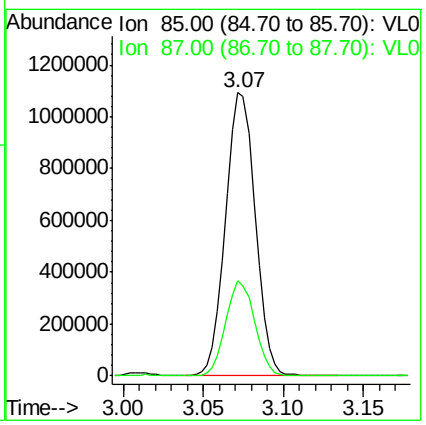


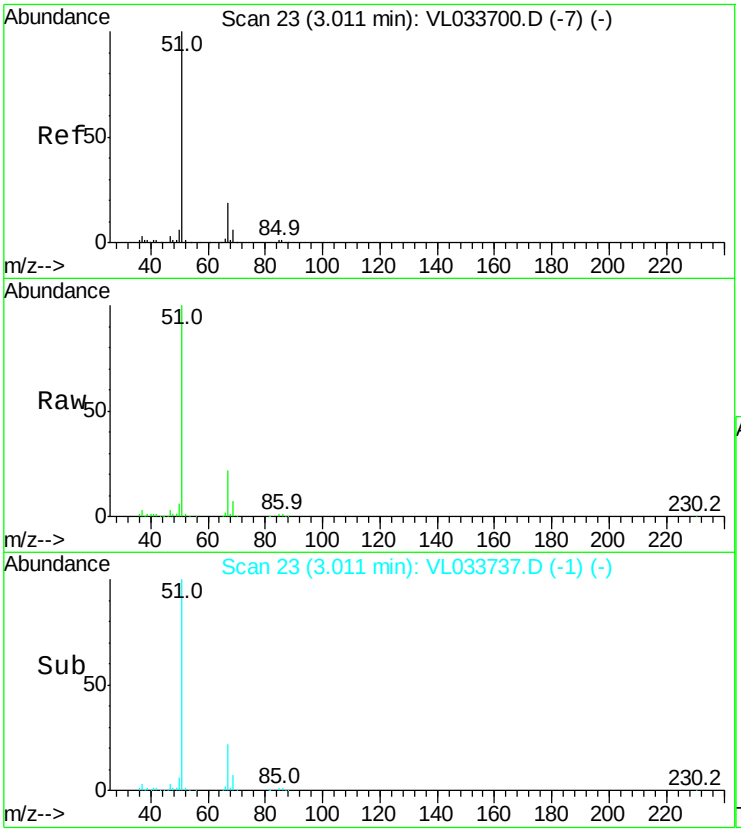


#2
Dichlorodifluoromethane
Concen: 6.548 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 85 Resp: 1373588

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.3	39.5



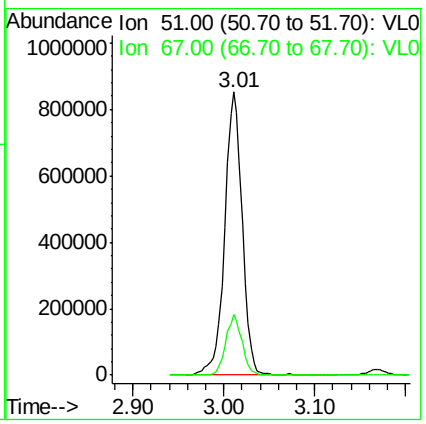


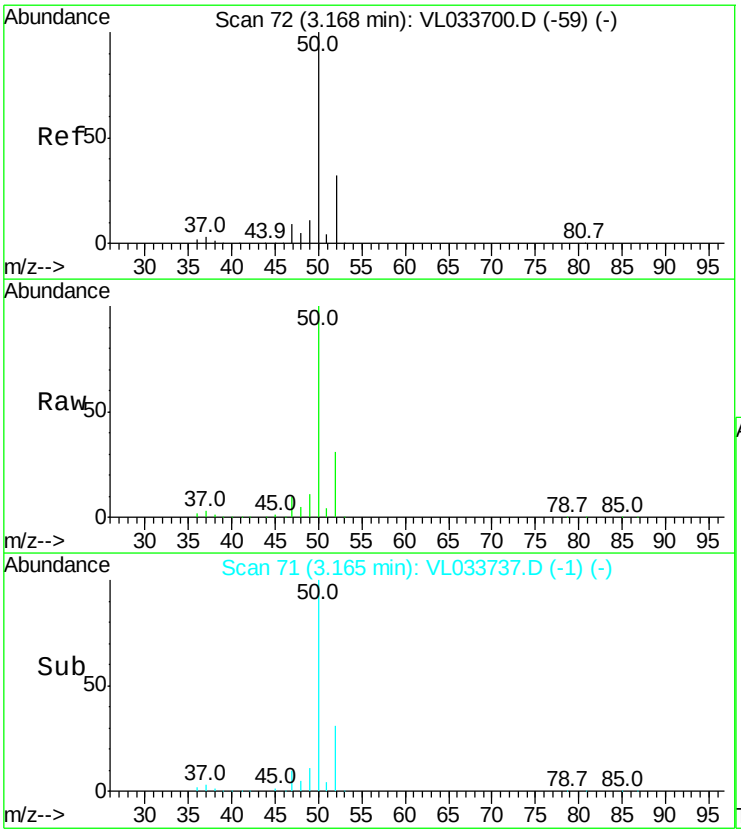
#3
Chlorodifluoromethane
Concen: 9.980 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1137787

Ion	Ratio	Lower	Upper
51	100		
67	20.0	15.6	23.4

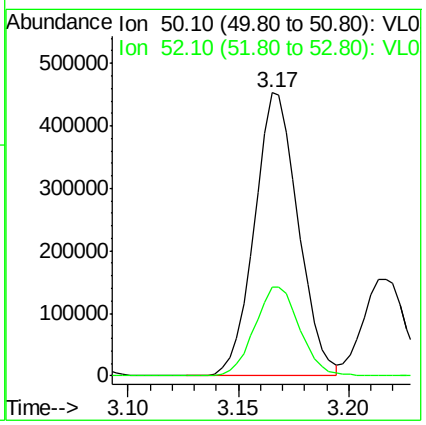


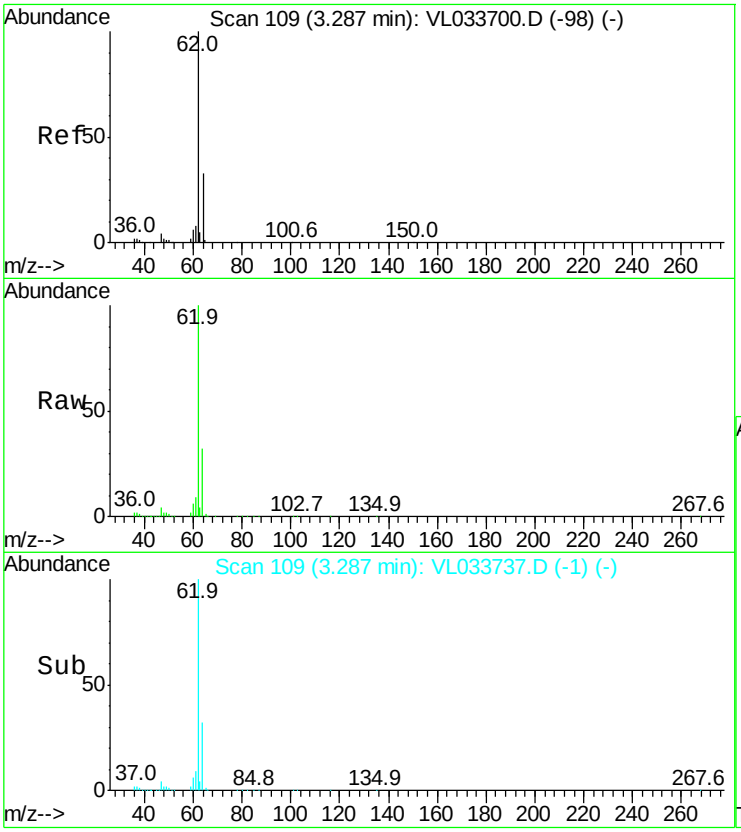


#4
Chloromethane
Concen: 9.567 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 50 Resp: 623876

Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.7	38.5



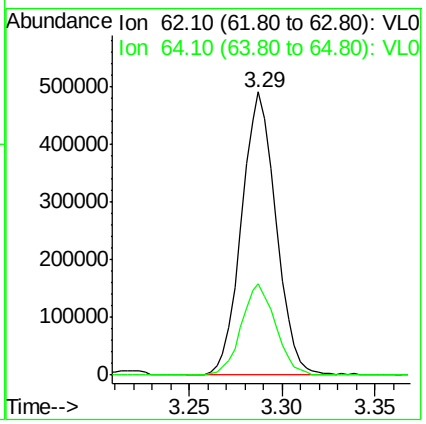


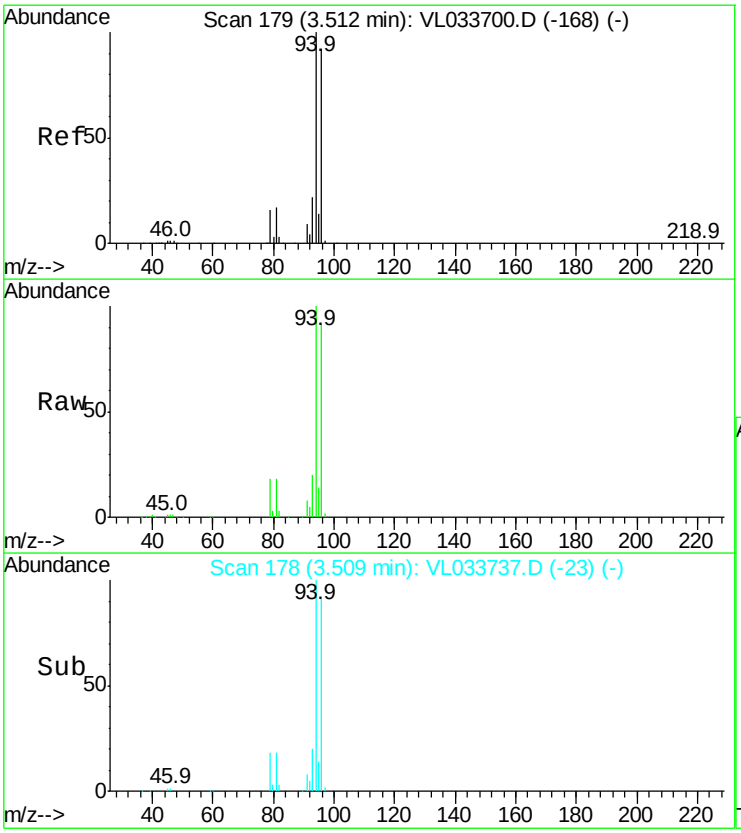
#5
Vinyl Chloride
Concen: 9.545 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 634043

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.4	39.6

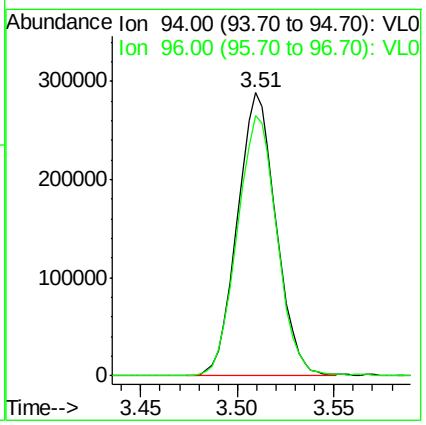


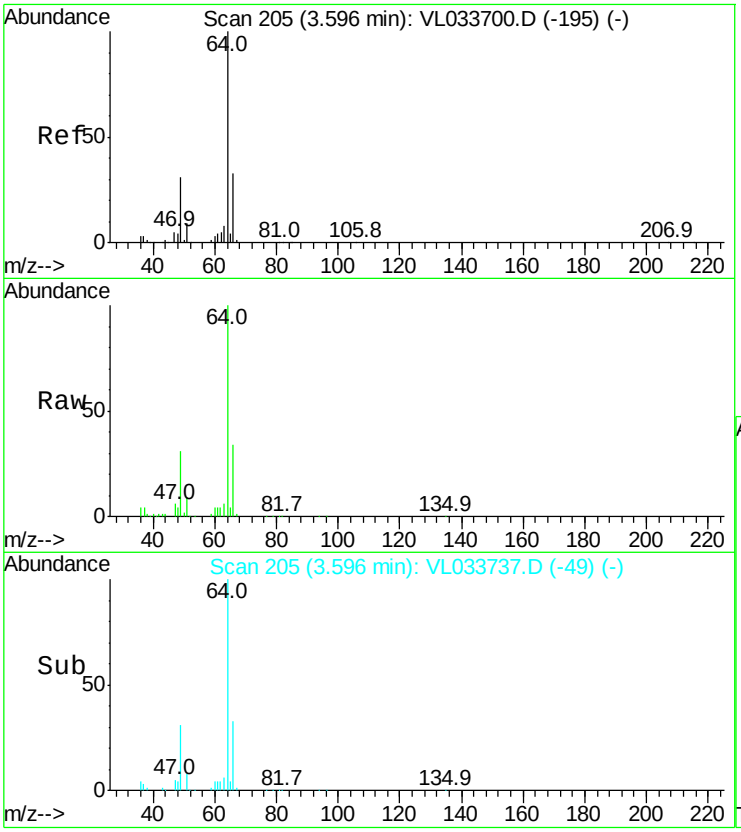


#6
Bromomethane
Concen: 9.895 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 94 Resp: 401030

Ion	Ratio	Lower	Upper
94	100		
96	91.8	73.6	110.4



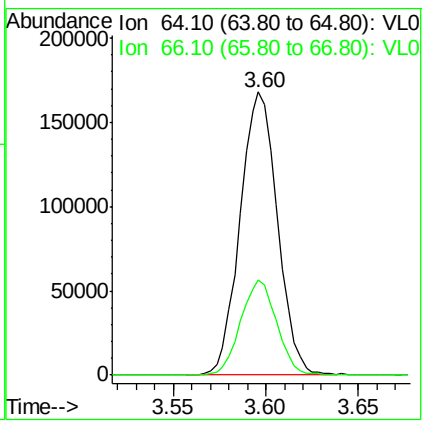


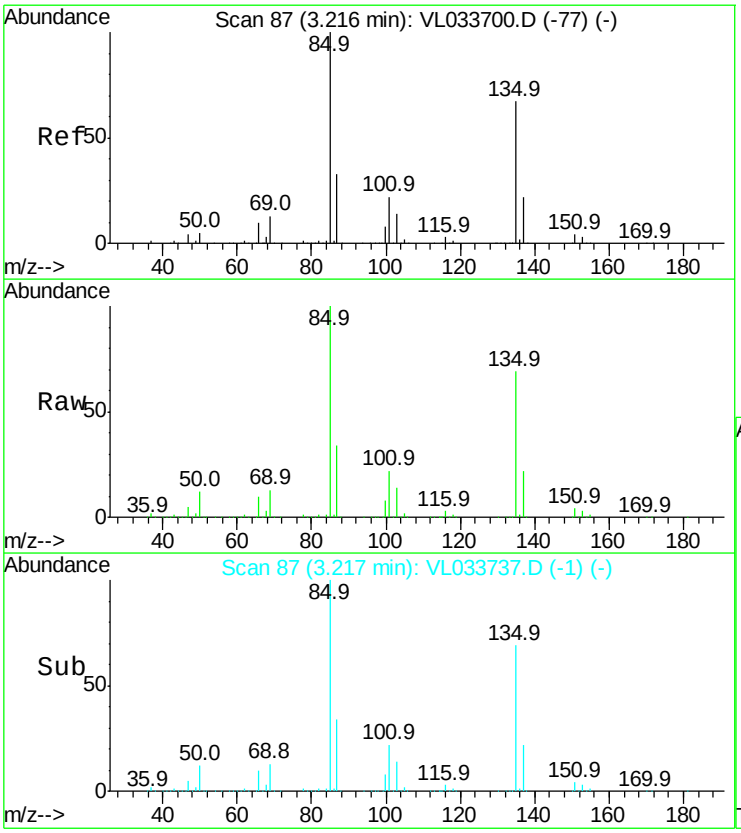
#7
Chloroethane
Concen: 9.929 ppbv
RT: 3.60 min Scan# 205
Delta R.T. 0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 234393

Ion	Ratio	Lower	Upper
64	100		
66	33.8	26.6	40.0

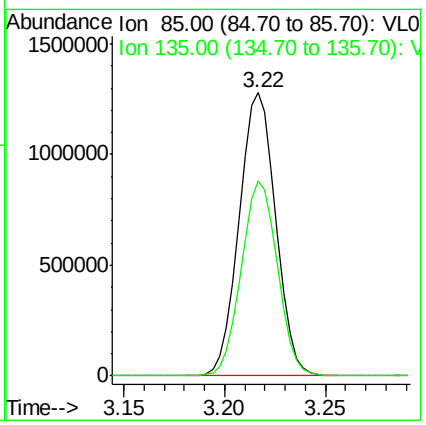


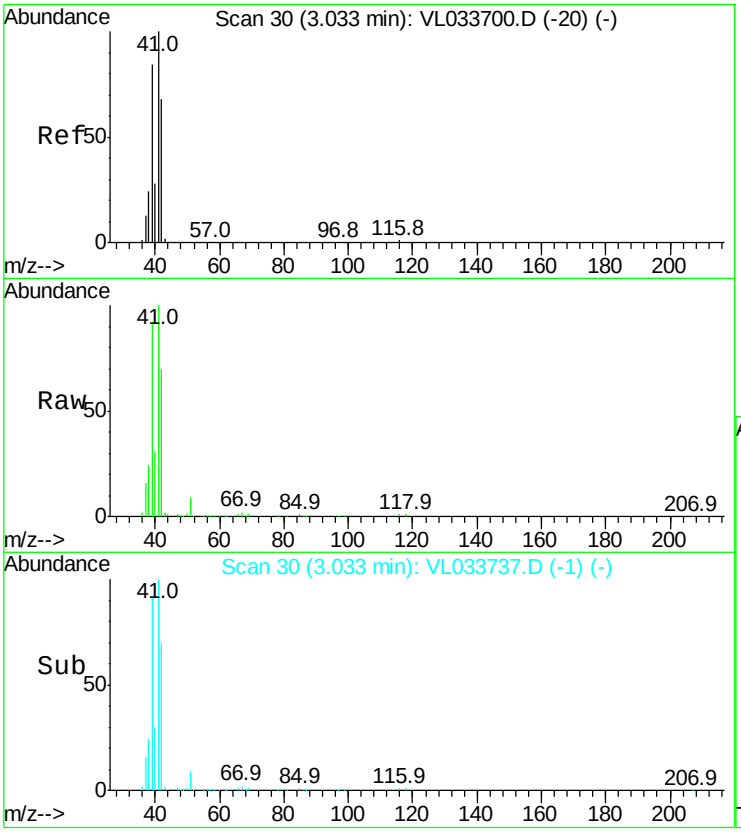


#8
Dichlorotetrafluoroethane
Concen: 9.641 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 85 Resp: 1630305

Ion	Ratio	Lower	Upper
85	100		
135	68.5	54.5	81.7

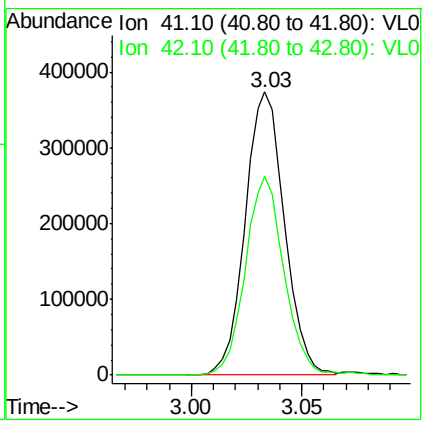




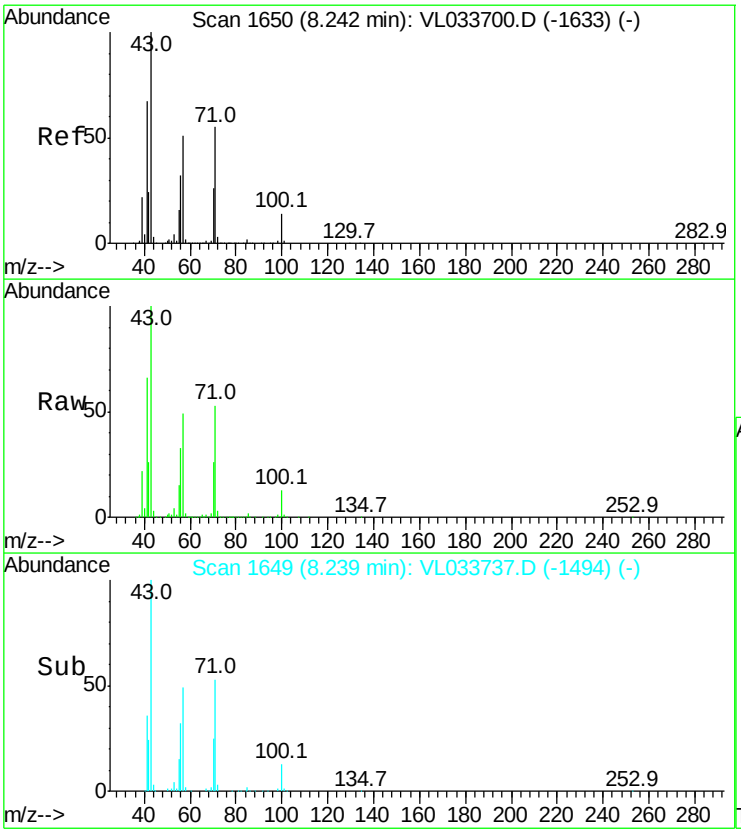
#9
Propene
Concen: 9.555 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 41 Resp: 463358

Ion	Ratio	Lower	Upper
41	100		
42	69.6	56.1	84.1



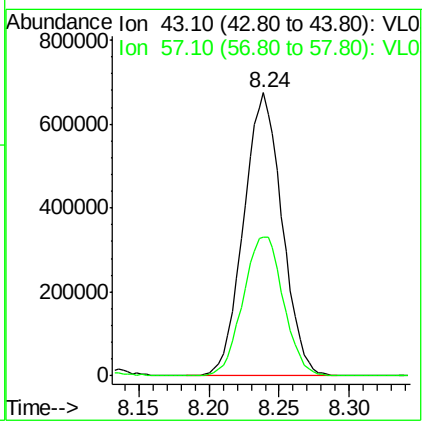
Instrument :
MSVOA_L
ClientSampleId :

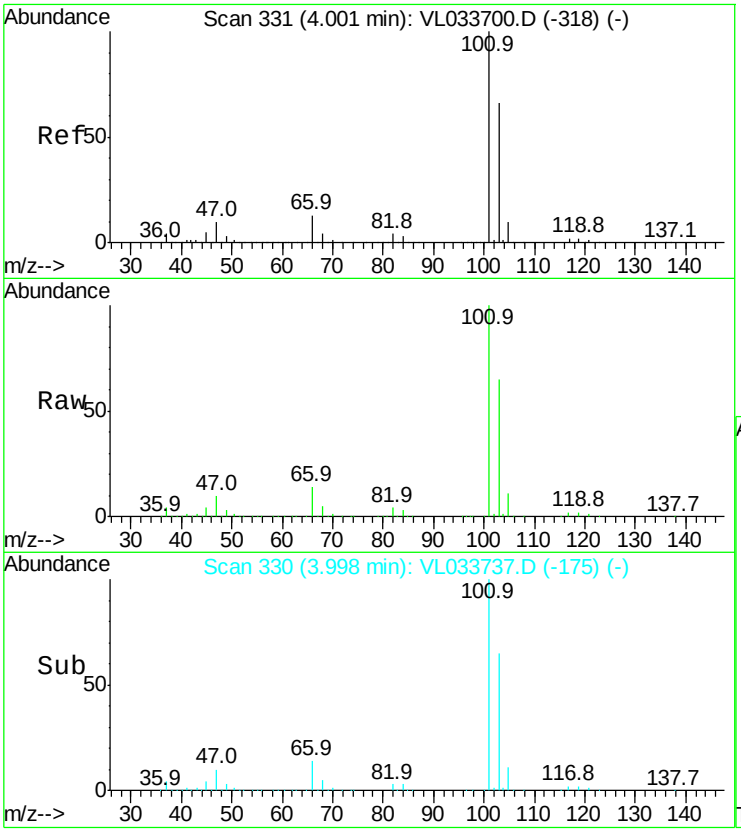


#10
Heptane
Concen: 9.355 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 43 Resp: 1284658

Ion	Ratio	Lower	Upper
43	100		
57	51.6	41.4	62.0



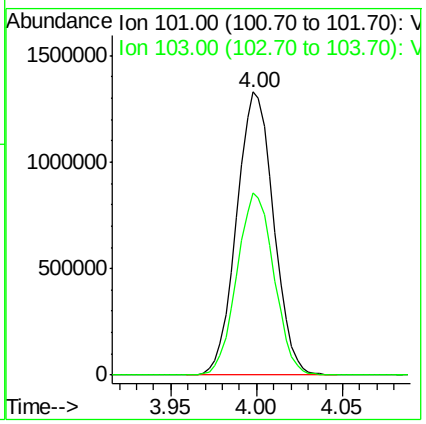


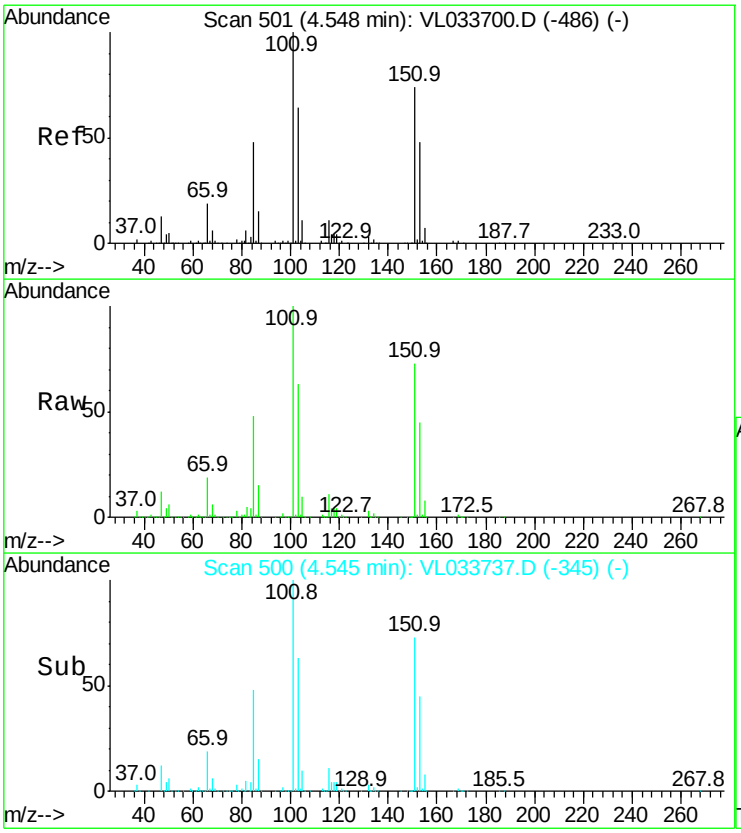
#11
Trichlorofluoromethane
Concen: 9.946 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1991085

Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.6	78.8

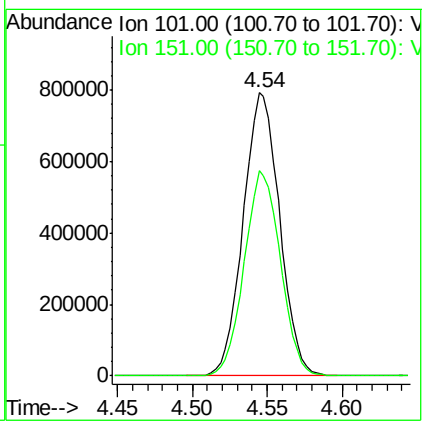


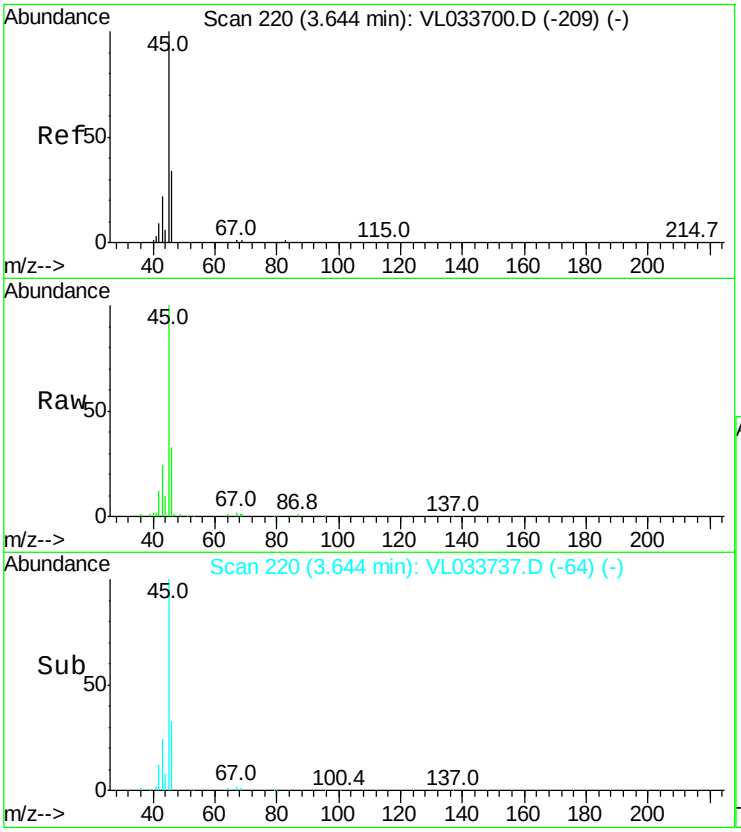


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.599 ppbv
RT: 4.54 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:101 Resp: 1341896

Ion	Ratio	Lower	Upper
101	100		
151	72.1	58.2	87.4



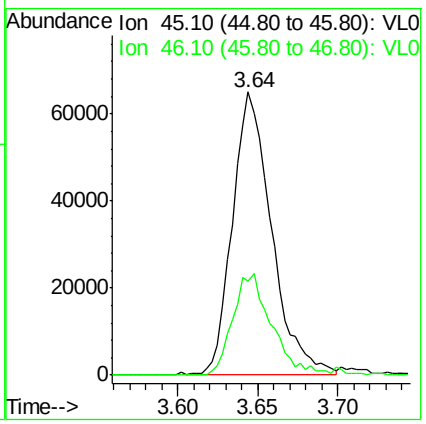


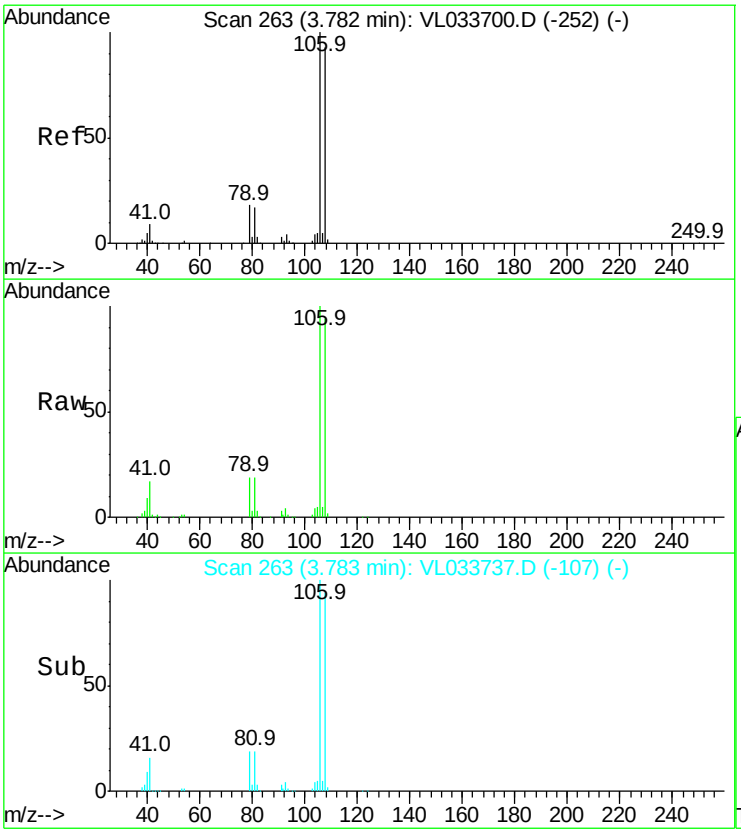
#13
Ethanol
Concen: 6.917 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 108407

Ion	Ratio	Lower	Upper
45	100		
46	36.6	14.8	59.0

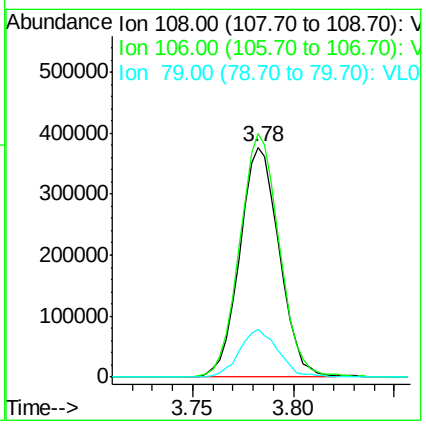


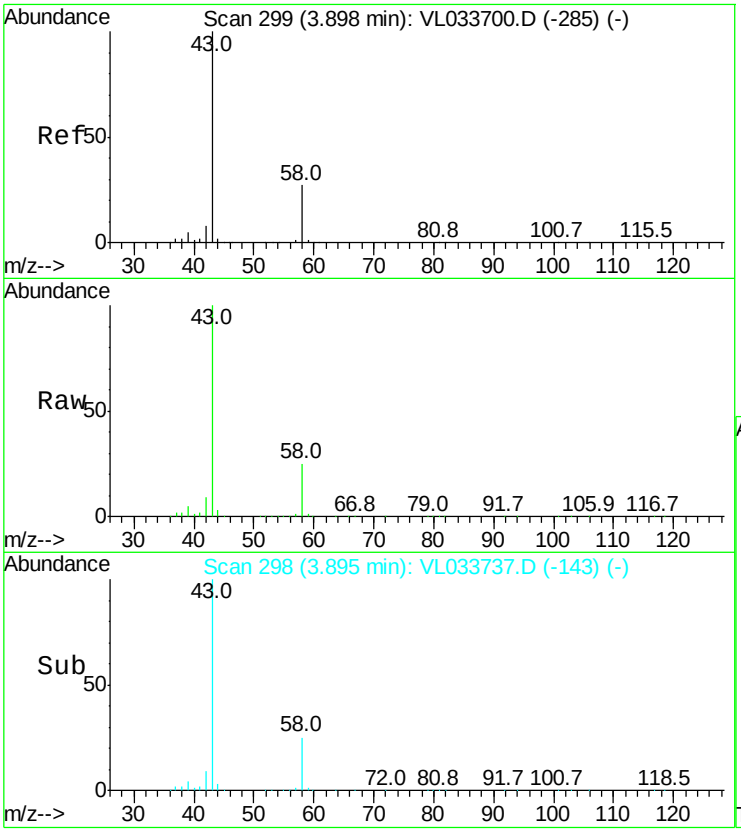


#14
Bromoethene
Concen: 10.091 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:108 Resp: 518609

Ion	Ratio	Lower	Upper
108	100		
106	106.7	86.5	129.7
79	20.8	15.1	22.7



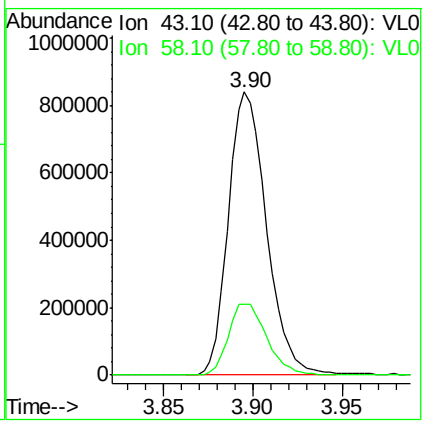


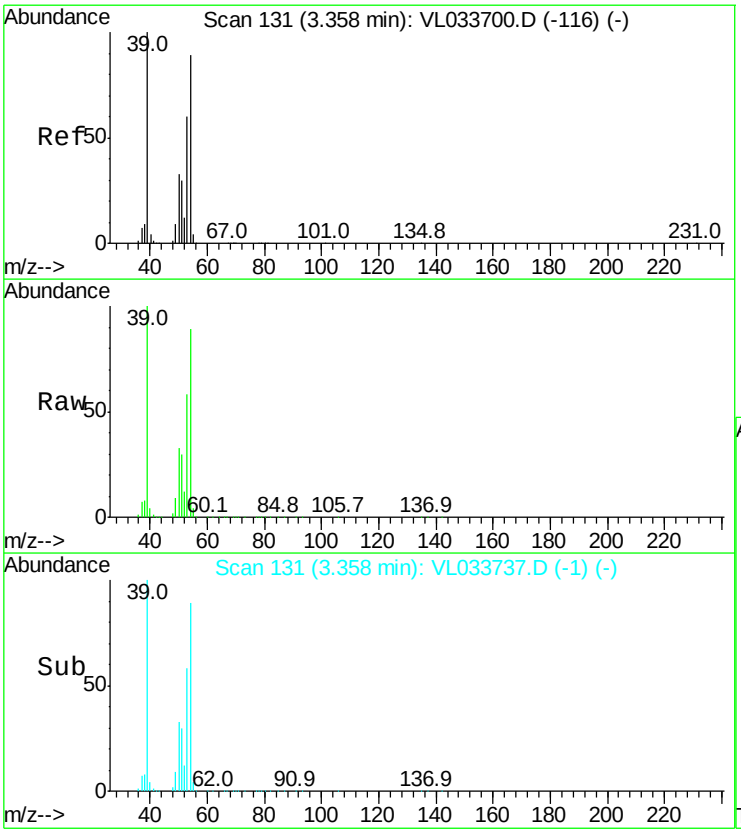
#15
Acetone
Concen: 9.053 ppbv
RT: 3.90 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1250146

Ion	Ratio	Lower	Upper
43	100		
58	25.6	21.3	31.9

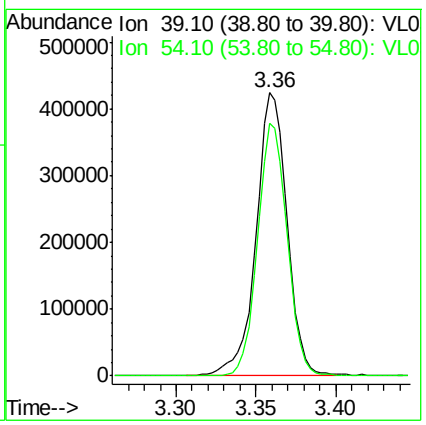


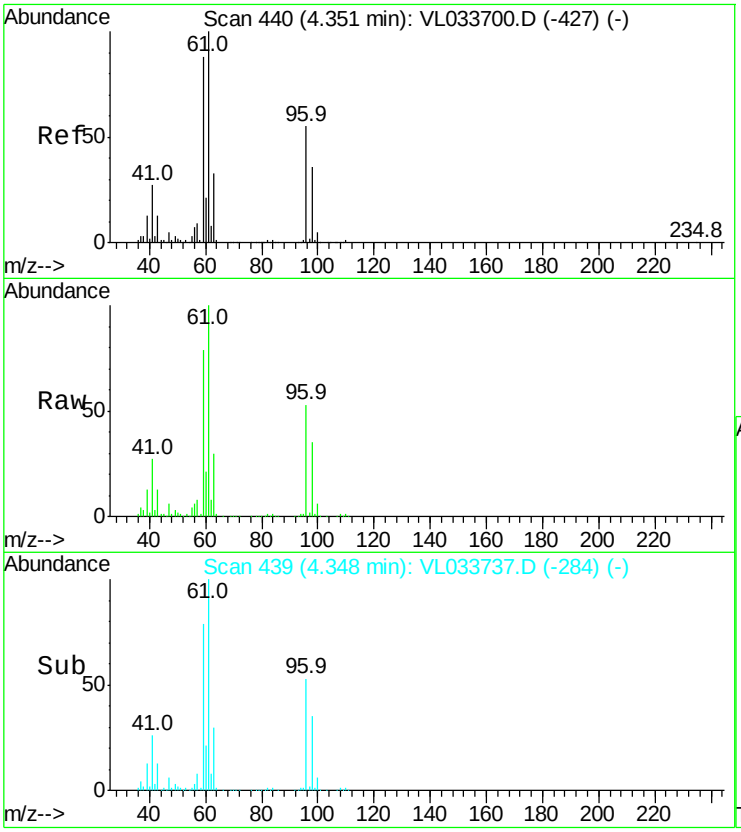


#16
1,3-Butadiene
Concen: 10.348 ppbv
RT: 3.36 min Scan# 131
Delta R.T. 0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 39 Resp: 569071

Ion	Ratio	Lower	Upper
39	100		
54	85.2	69.0	103.6



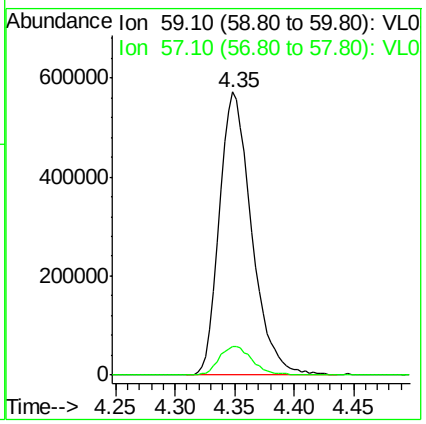


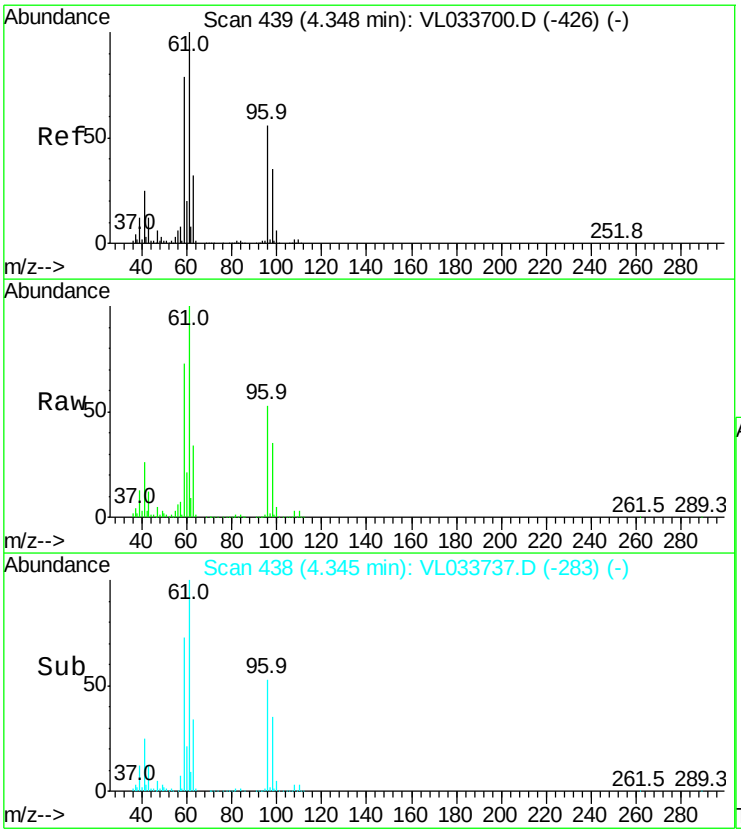
#17
tert-Butyl alcohol
Concen: 9.641 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1076545

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

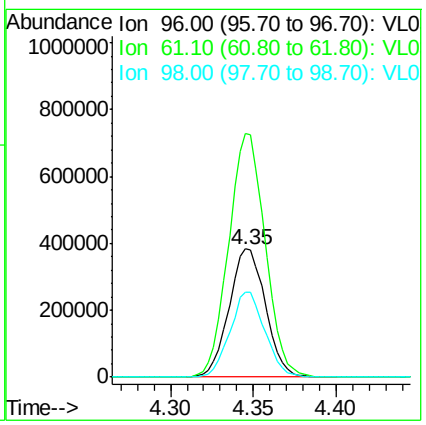


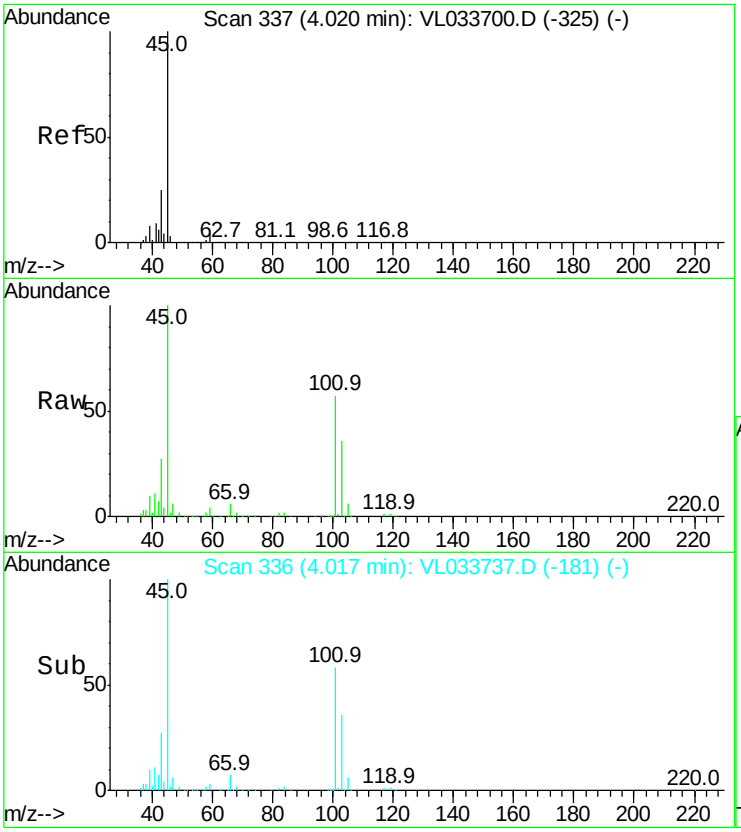


#18
1,1-Dichloroethene
Concen: 9.897 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 96 Resp: 583962

Ion	Ratio	Lower	Upper
96	100		
61	189.5	143.1	214.7
98	66.6	49.5	74.3



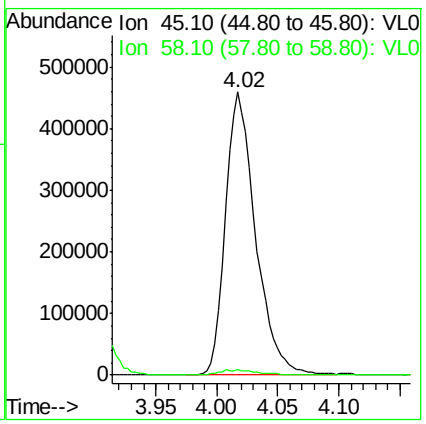


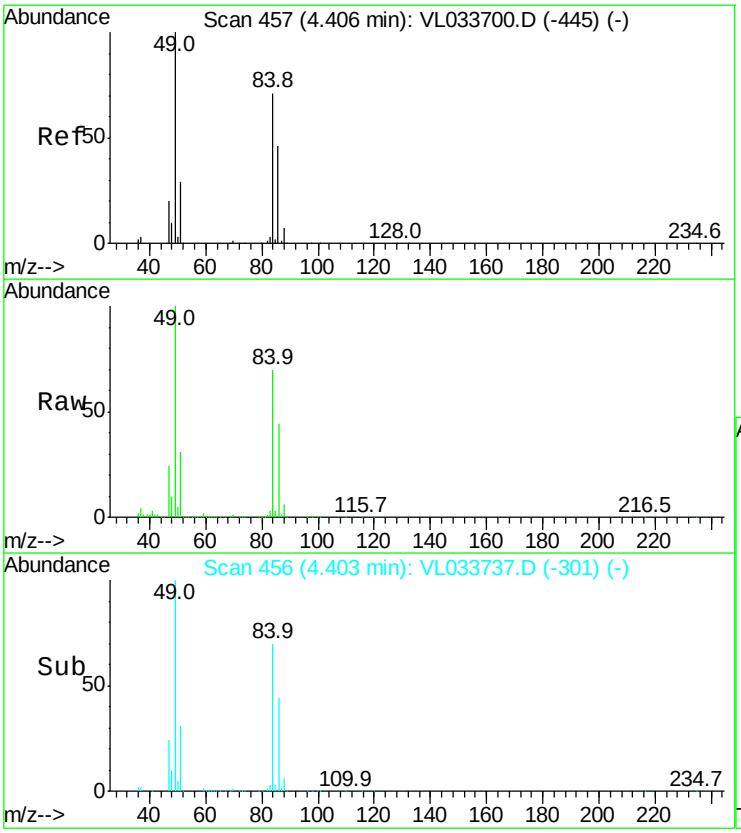
#19
Isopropyl Alcohol
Concen: 8.925 ppbv
RT: 4.02 min Scan# 336
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 794643

Ion	Ratio	Lower	Upper
45	100		
58	2.6	1.6	2.4#

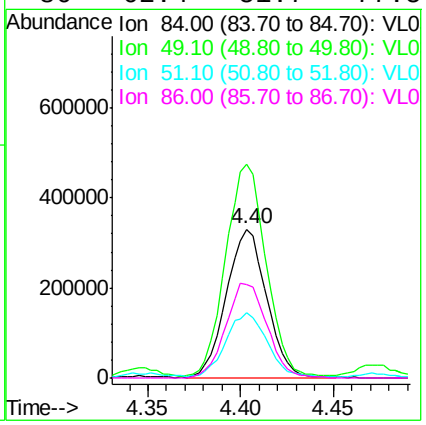


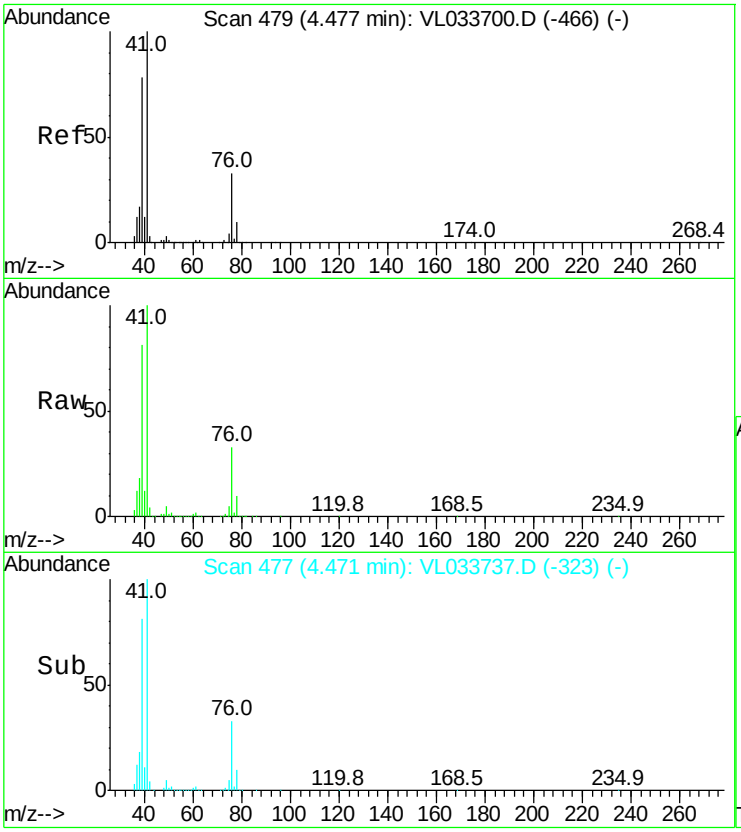


#20
Methylene Chloride
Concen: 9.322 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 84 Resp: 495655

Ion	Ratio	Lower	Upper
84	100		
49	142.4	112.8	169.2
51	43.2	33.4	50.0
86	62.4	51.7	77.5



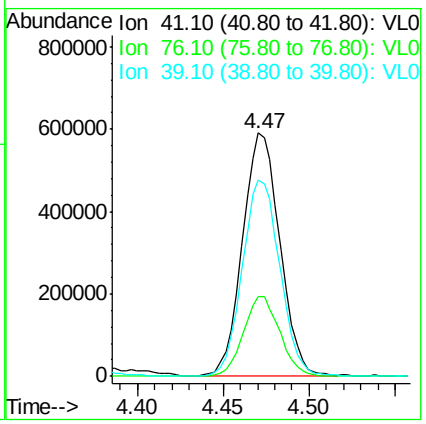


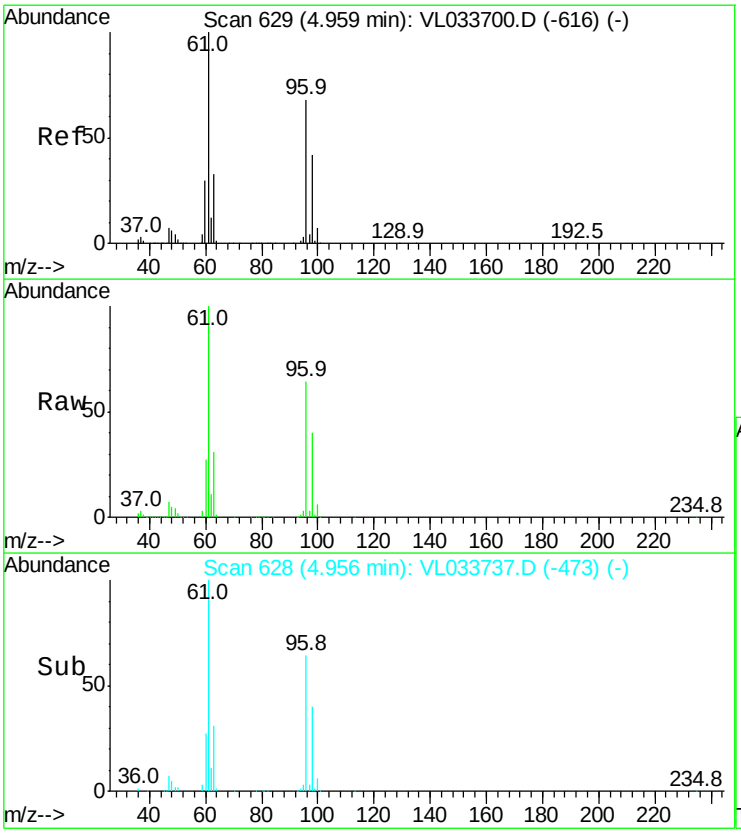
#21
Allyl Chloride
Concen: 10.278 ppbv
RT: 4.47 min Scan# 477
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 885278

Ion	Ratio	Lower	Upper
41	100		
76	32.1	25.9	38.9
39	81.8	64.6	97.0

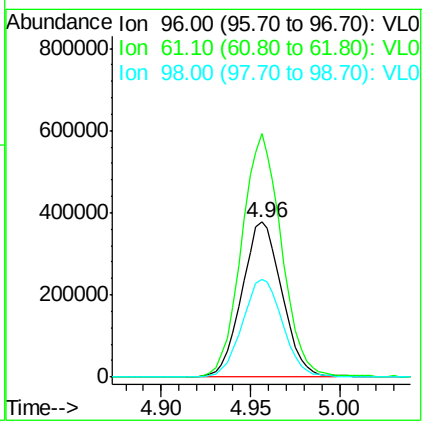


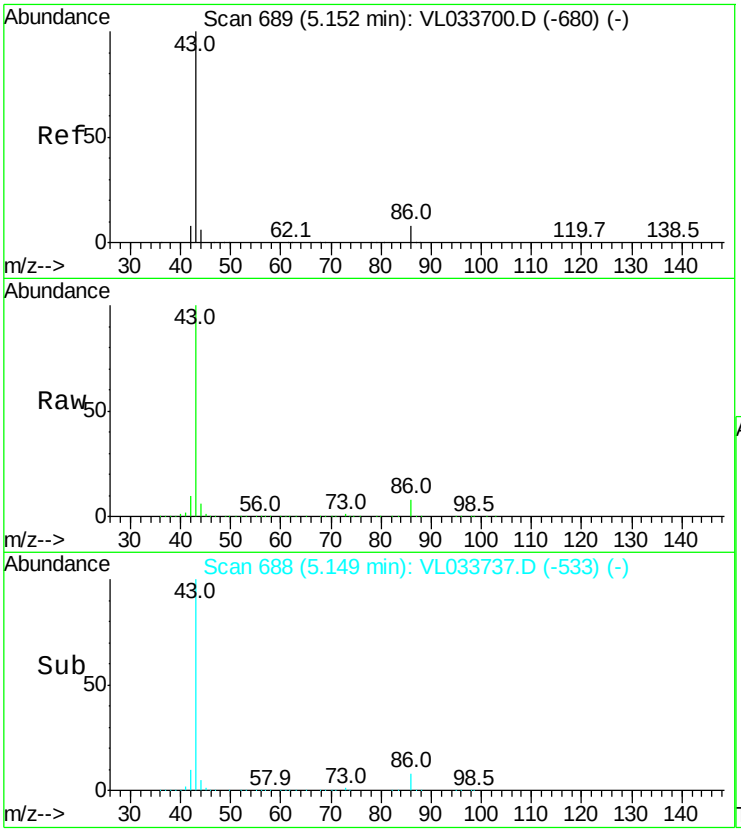


#22
trans-1,2-Dichloroethene
Concen: 9.803 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 96 Resp: 592922

Ion	Ratio	Lower	Upper
96	100		
61	157.3	116.8	175.2
98	63.2	49.4	74.0



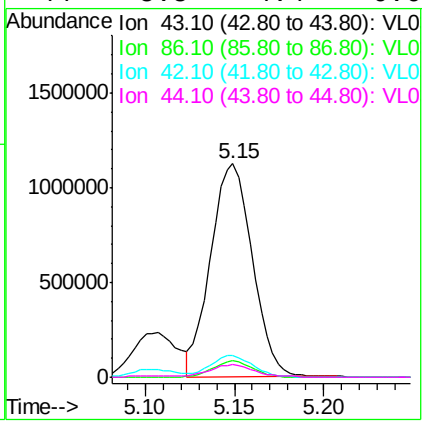


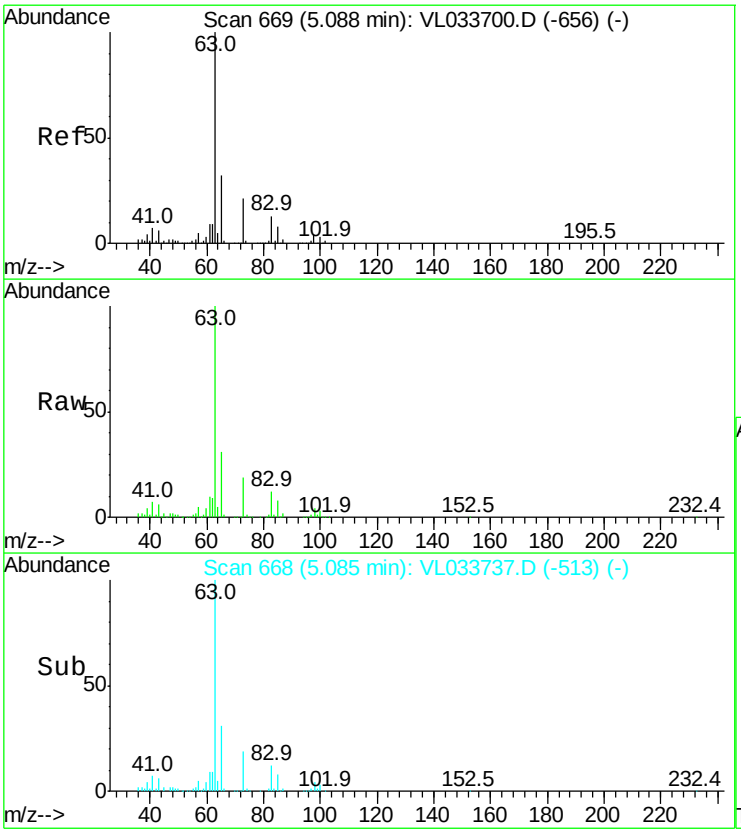
#23
Vinyl Acetate
Concen: 10.040 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1828058

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.0	9.0
42	10.3	7.5	11.3
44	5.5	4.4	6.6

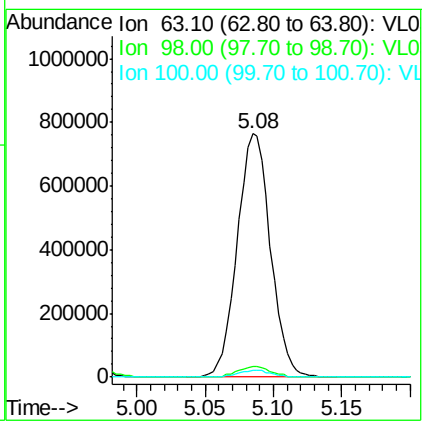


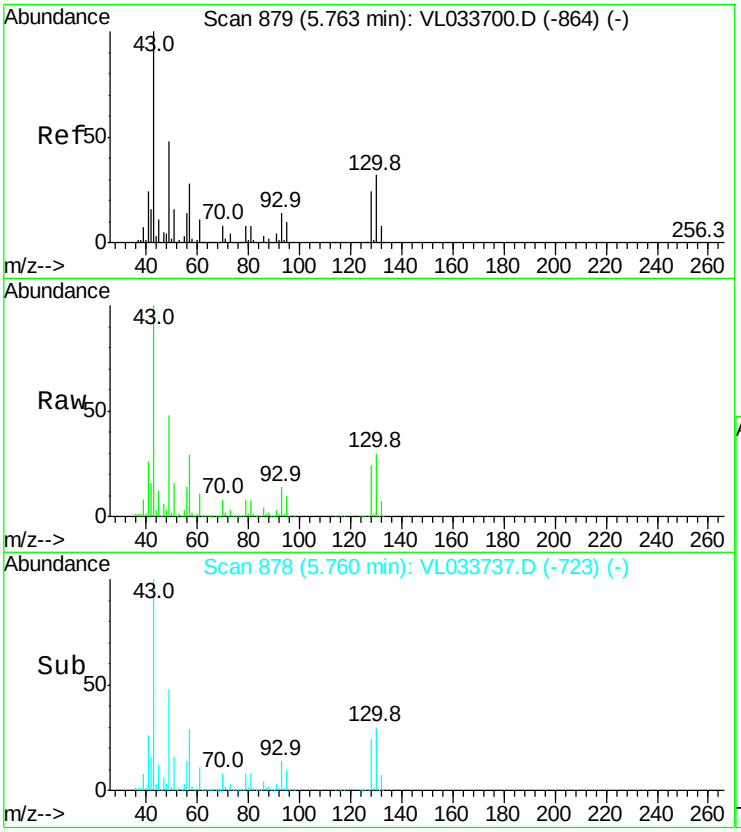


#24
1,1-Dichloroethane
Concen: 9.326 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 63 Resp: 1290871

Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.8	5.5
100	3.0	1.4	4.2



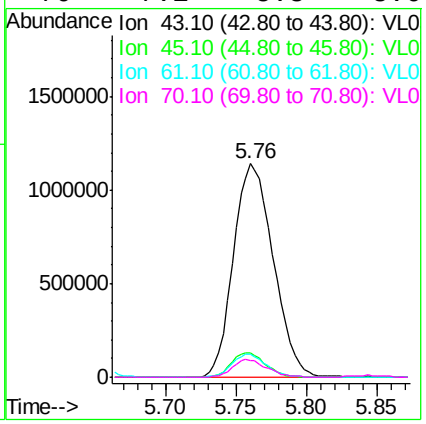


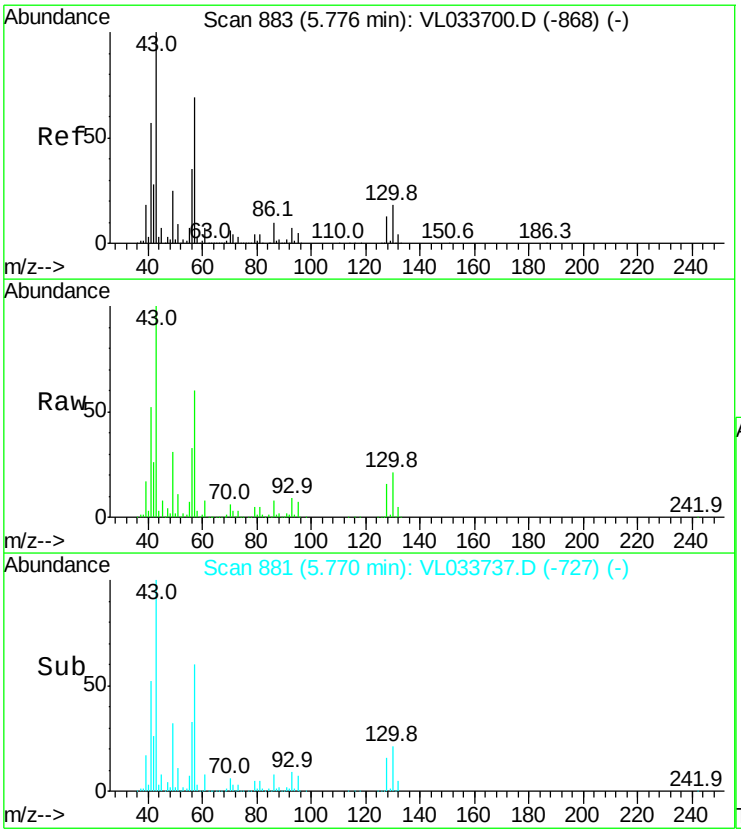
#25
Ethyl Acetate
Concen: 9.300 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2256010

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	9.3	7.7	11.5
70	7.1	5.8	8.6

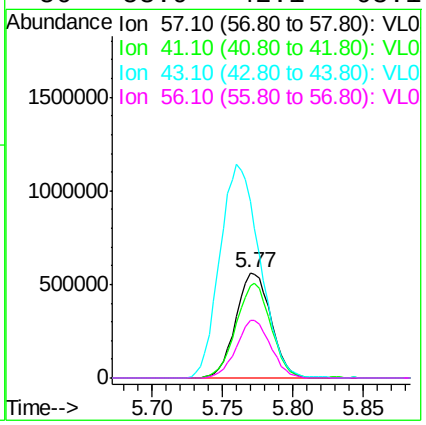


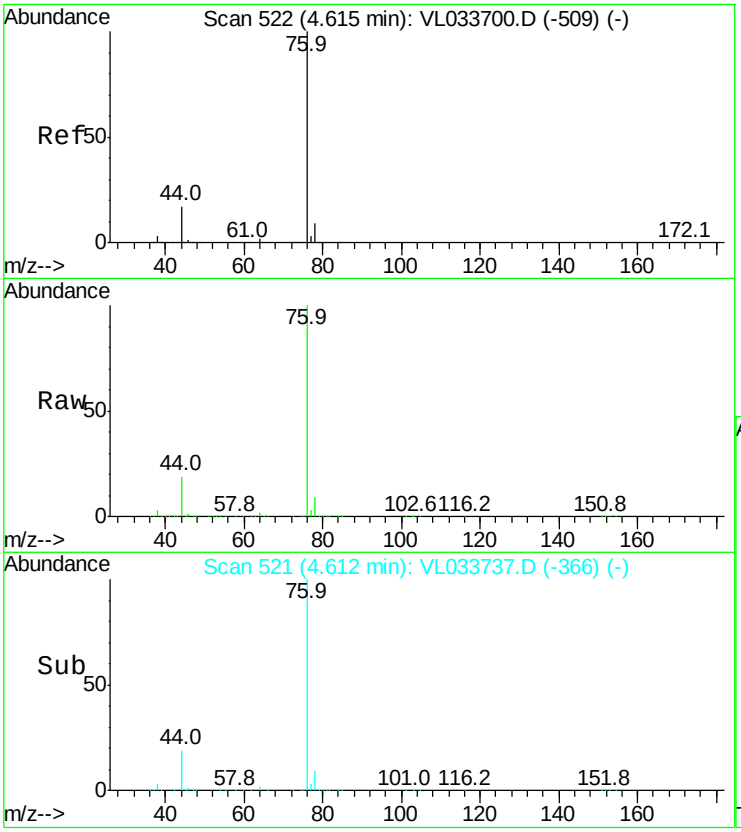


#26
Hexane
Concen: 9.388 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 57 Resp: 979042

Ion	Ratio	Lower	Upper
57	100		
41	89.5	69.8	104.6
43	232.3	181.8	272.6
56	53.9	42.1	63.1



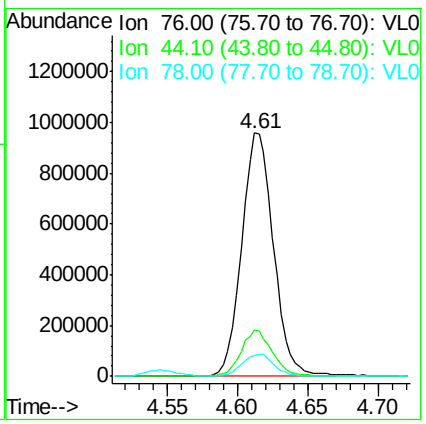


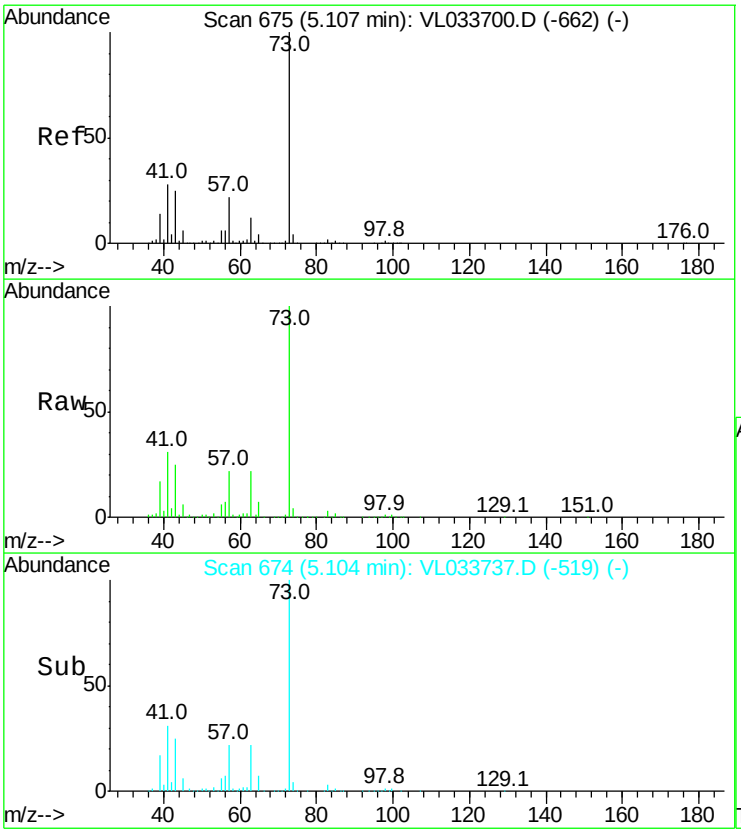
#27
Carbon Disulfide
Concen: 10.563 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1511373

Ion	Ratio	Lower	Upper
76	100		
44	18.6	13.8	20.8
78	9.2	7.4	11.0

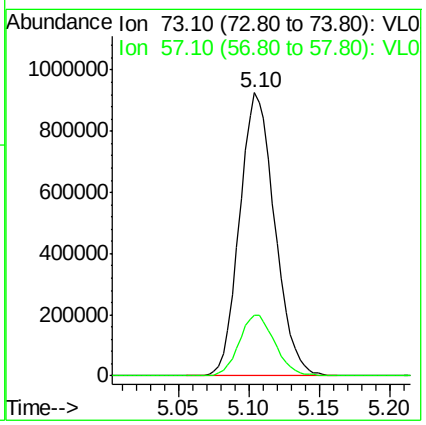


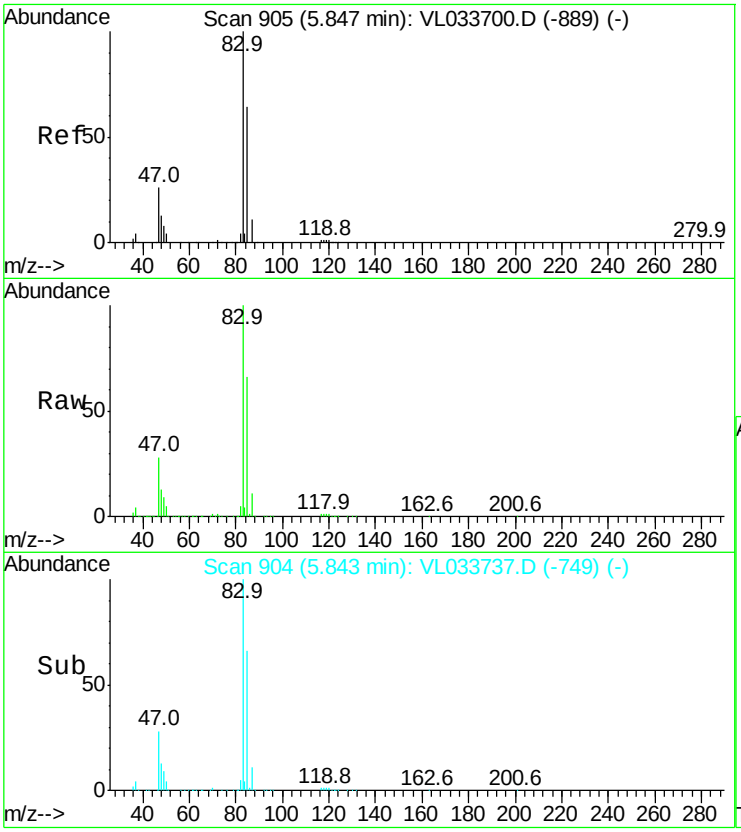


#28
Methyl tert-Butyl Ether
Concen: 9.519 ppbv
RT: 5.10 min Scan# 674
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 73 Resp: 1618423

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



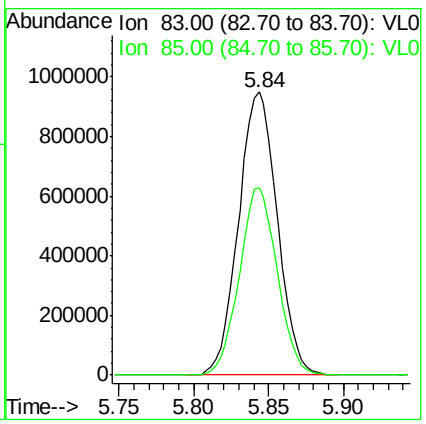


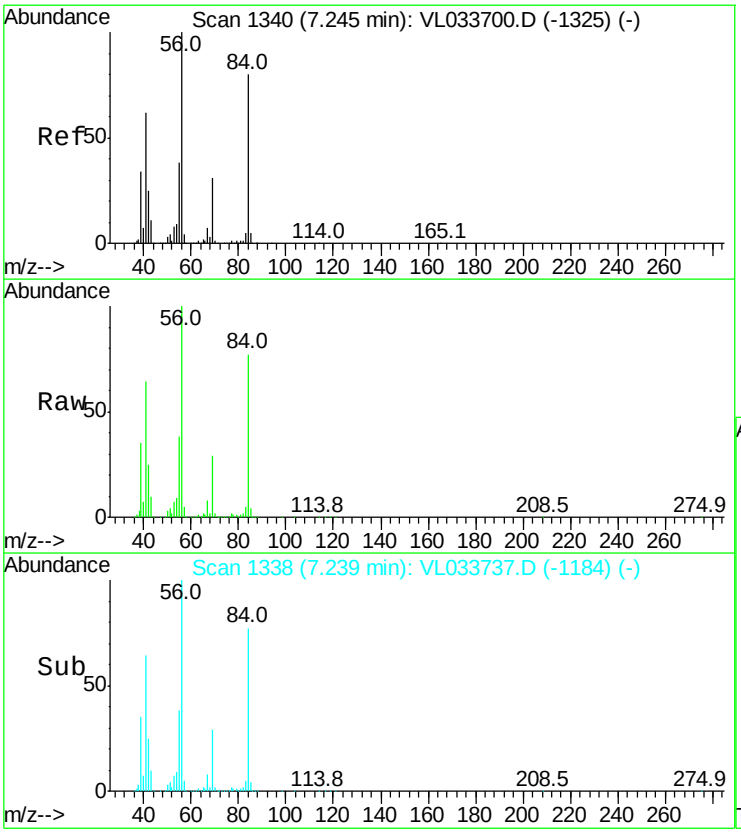
#29
Chloroform
Concen: 8.895 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1708682

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.5	77.3

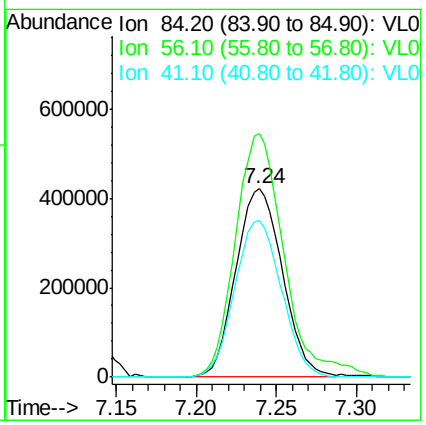


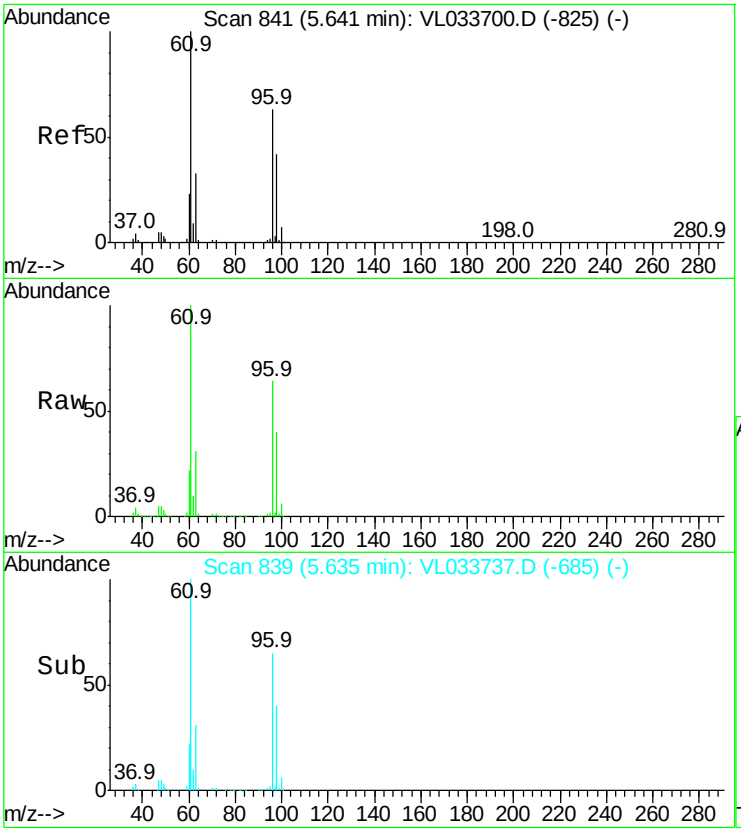


#30
Cyclohexane
Concen: 9.579 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 84 Resp: 839847

Ion	Ratio	Lower	Upper
84	100		
56	135.2	107.7	161.5
41	83.6	66.0	99.0



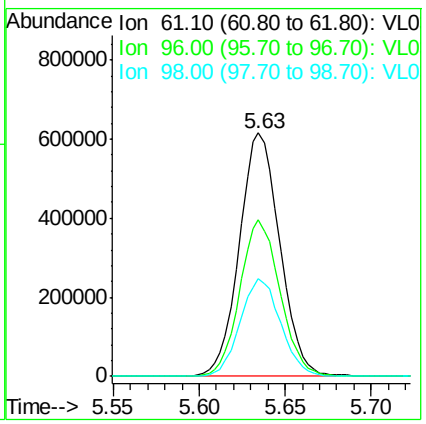


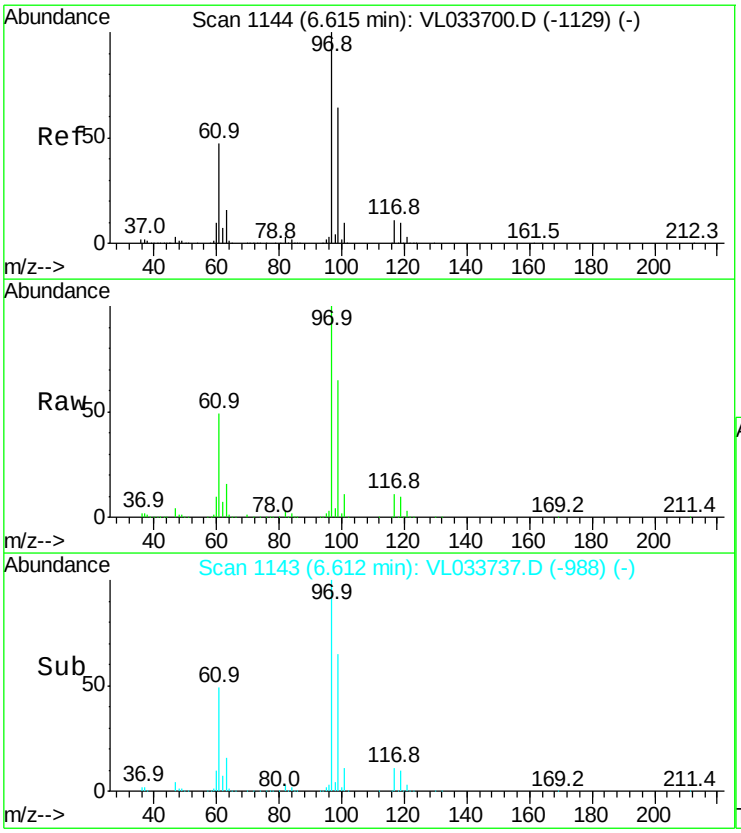
#31
cis-1,2-Dichloroethene
Concen: 9.714 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1004446

Ion	Ratio	Lower	Upper
61	100		
96	64.4	50.8	76.2
98	40.1	33.3	49.9

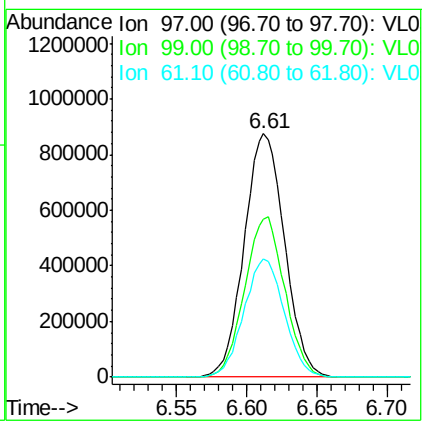


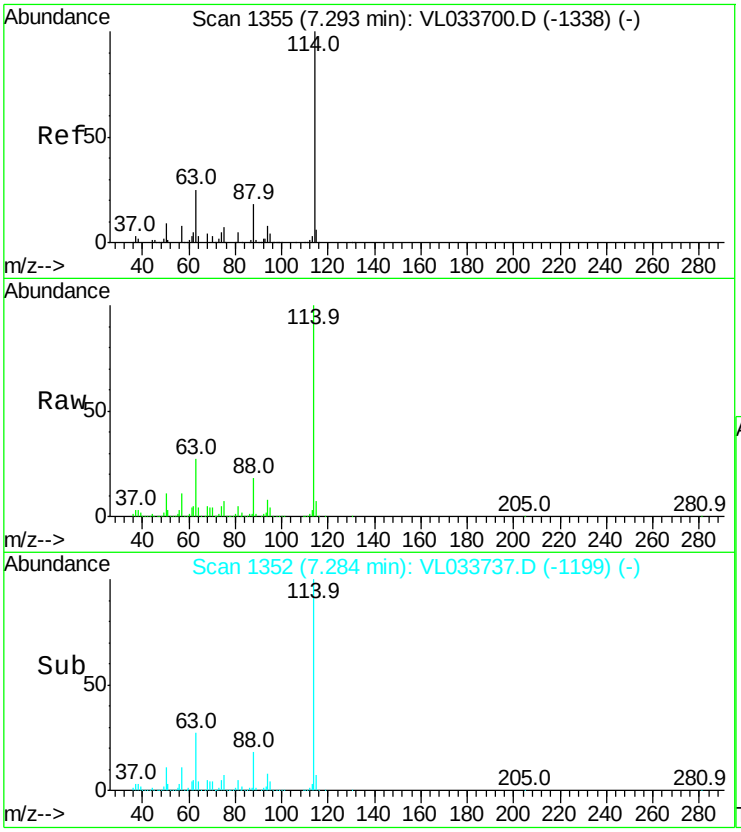


#32
1,1,1-Trichloroethane
Concen: 9.160 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 97 Resp: 1757017

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.5	77.3
61	48.4	37.8	56.8



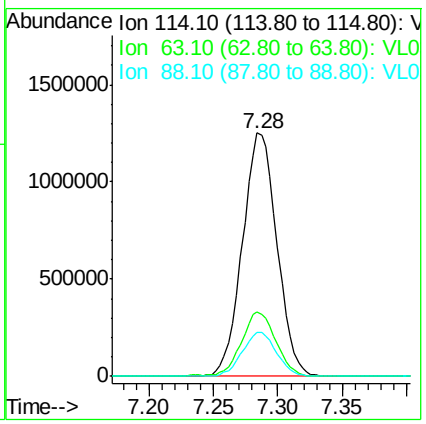


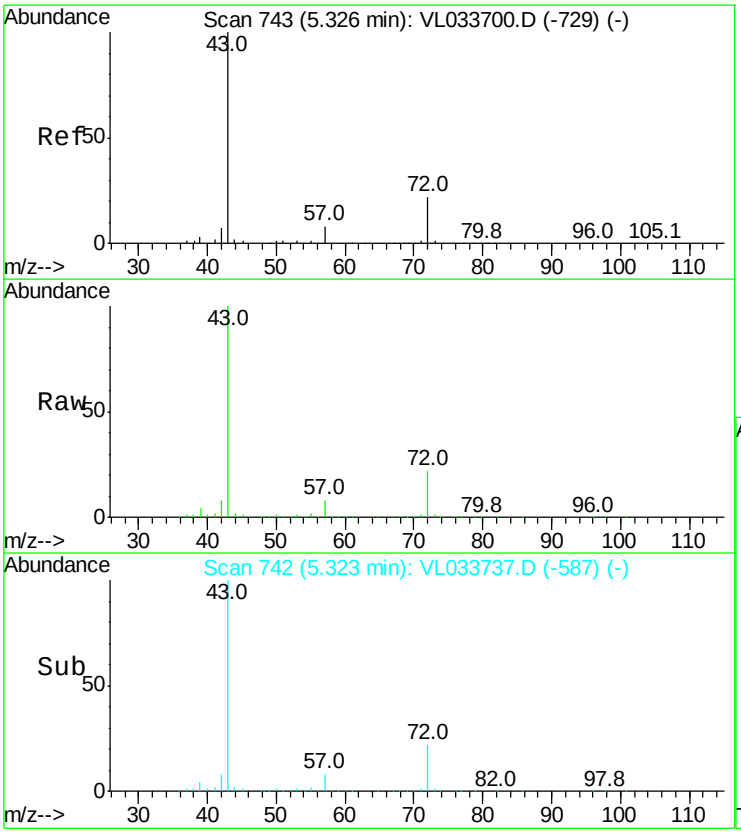
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2331858

Ion	Ratio	Lower	Upper
114	100		
63	27.0	20.9	31.3
88	18.0	14.3	21.5

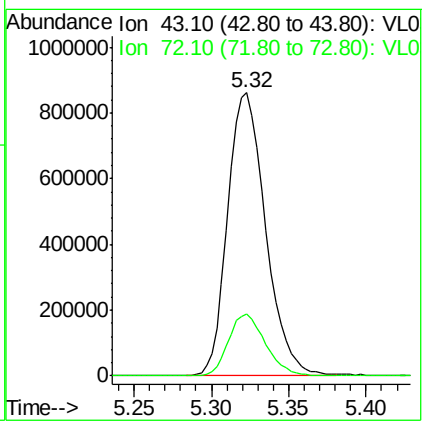


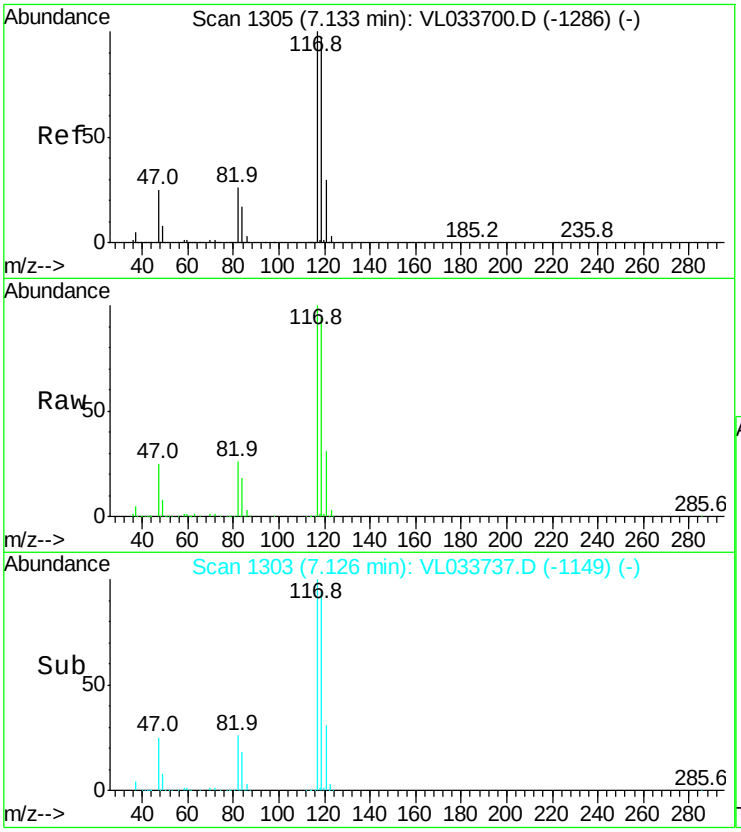


#34
2-Butanone
Concen: 10.112 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 43 Resp: 1461606

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.8	26.6



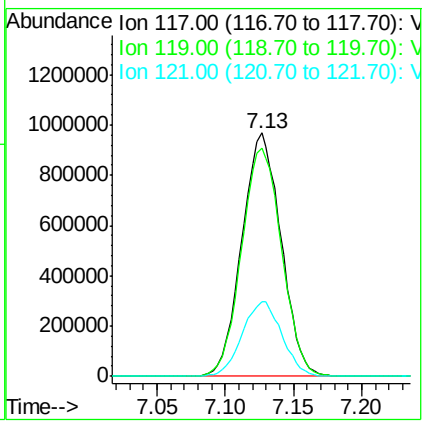


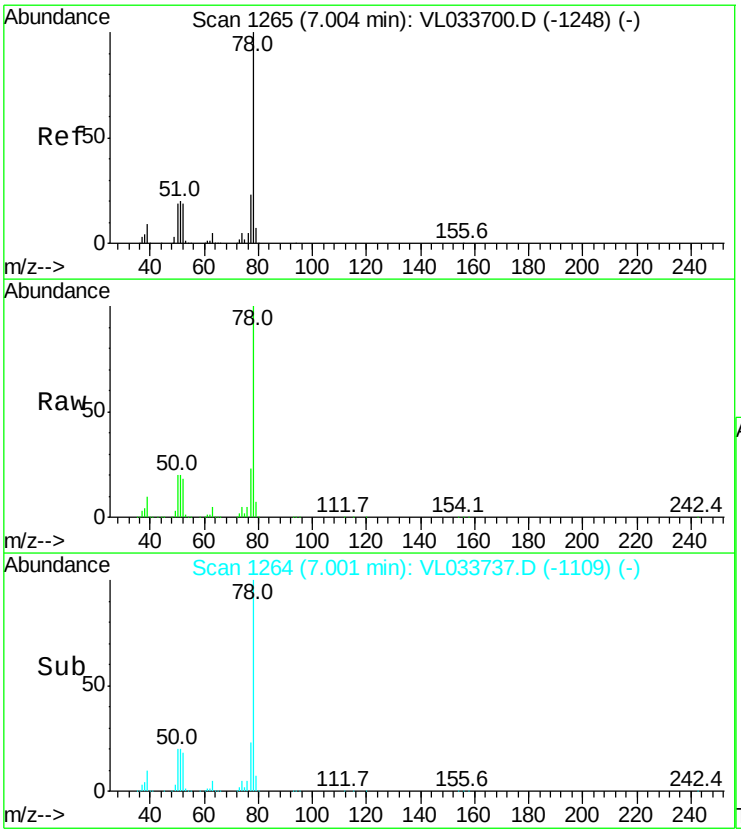
#35
Carbon Tetrachloride
Concen: 10.329 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1929338

Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.2	115.8
121	30.8	24.1	36.1

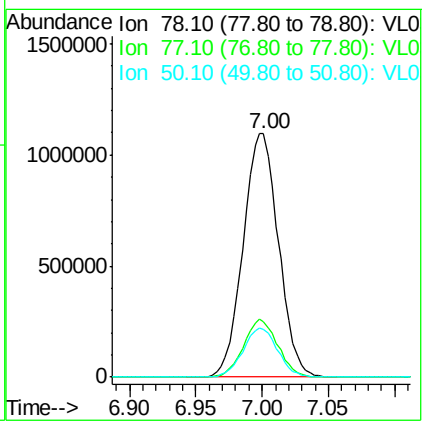


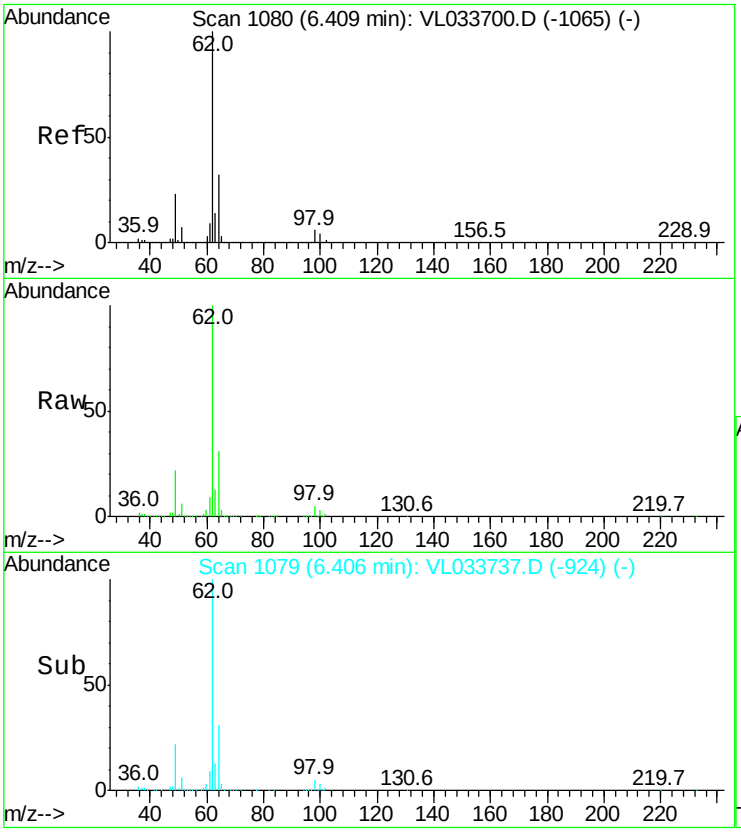


#36
Benzene
Concen: 9.582 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 78 Resp: 2032564

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6
50	19.7	15.5	23.3



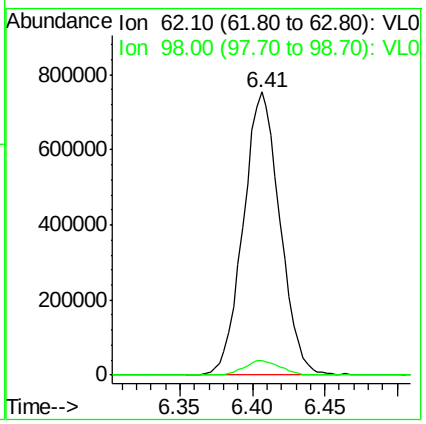


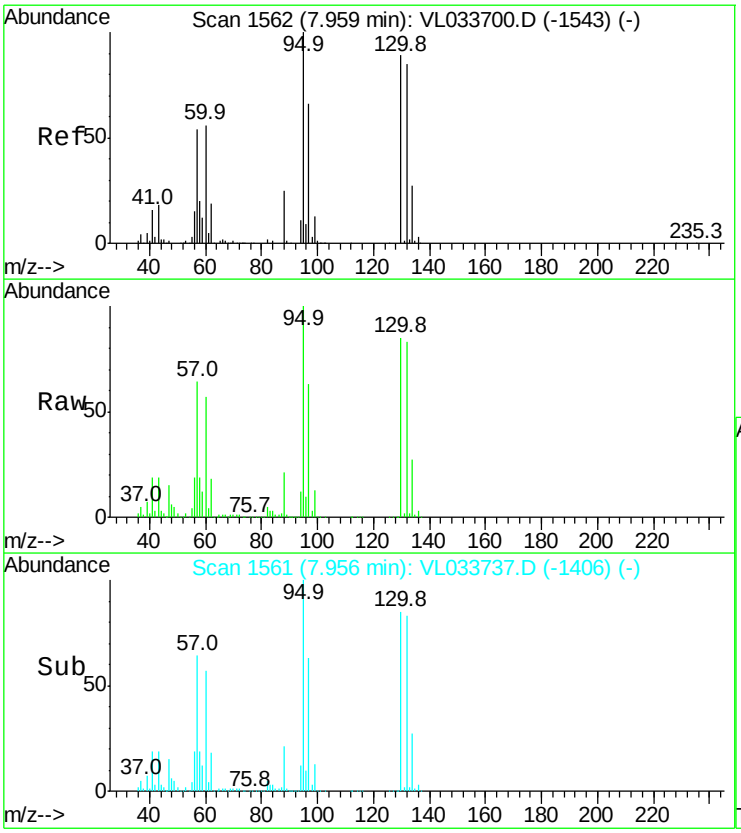
#37
1,2-Dichloroethane
Concen: 9.706 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1328082

Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.5	6.7

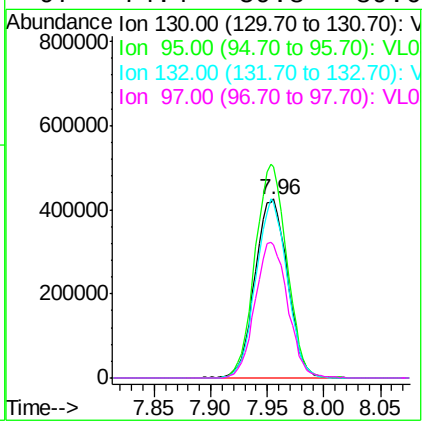


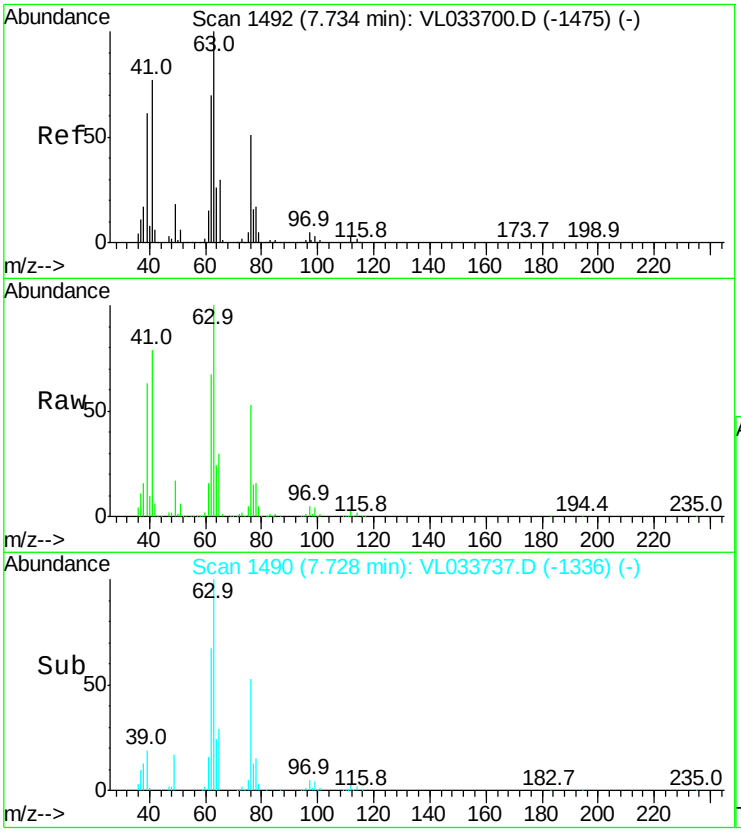


#38
Trichloroethene
Concen: 10.835 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:130 Resp: 852862

Ion	Ratio	Lower	Upper
130	100		
95	117.7	90.2	135.4
132	97.6	76.4	114.6
97	74.4	59.8	89.6



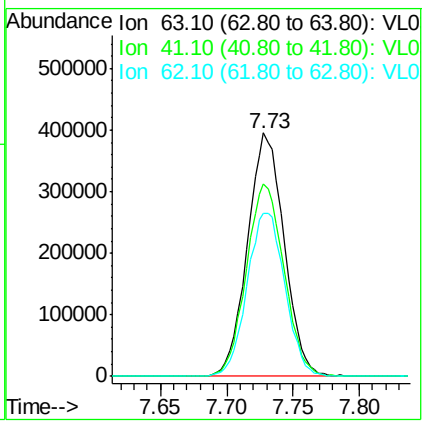


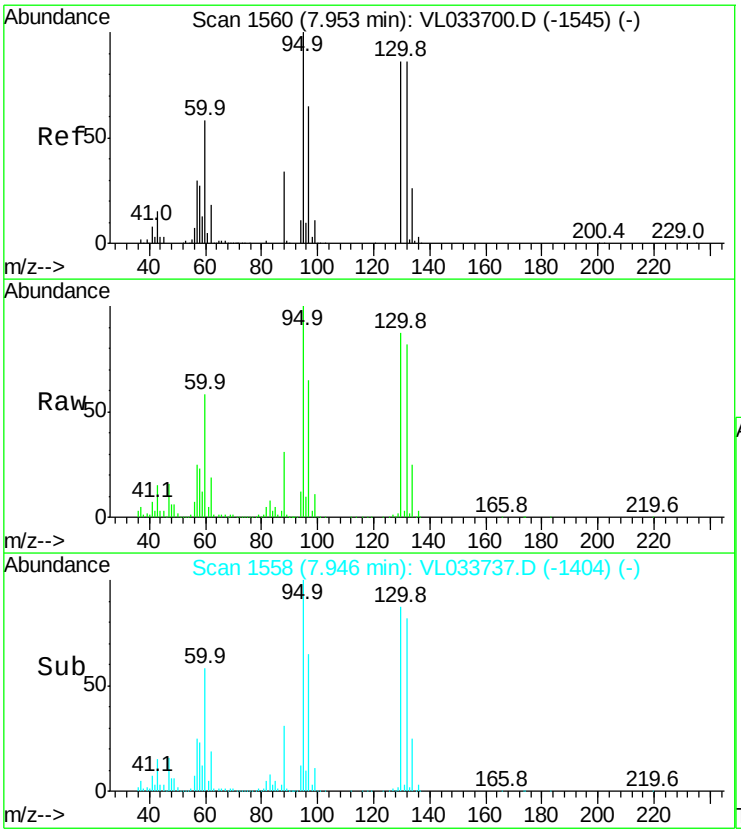
#39
1,2-Dichloropropane
Concen: 9.628 ppbv
RT: 7.73 min Scan# 1490
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 761418

Ion	Ratio	Lower	Upper
63	100		
41	79.0	61.5	92.3
62	66.9	56.2	84.4

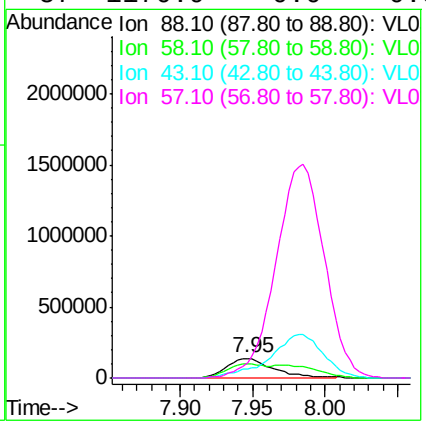


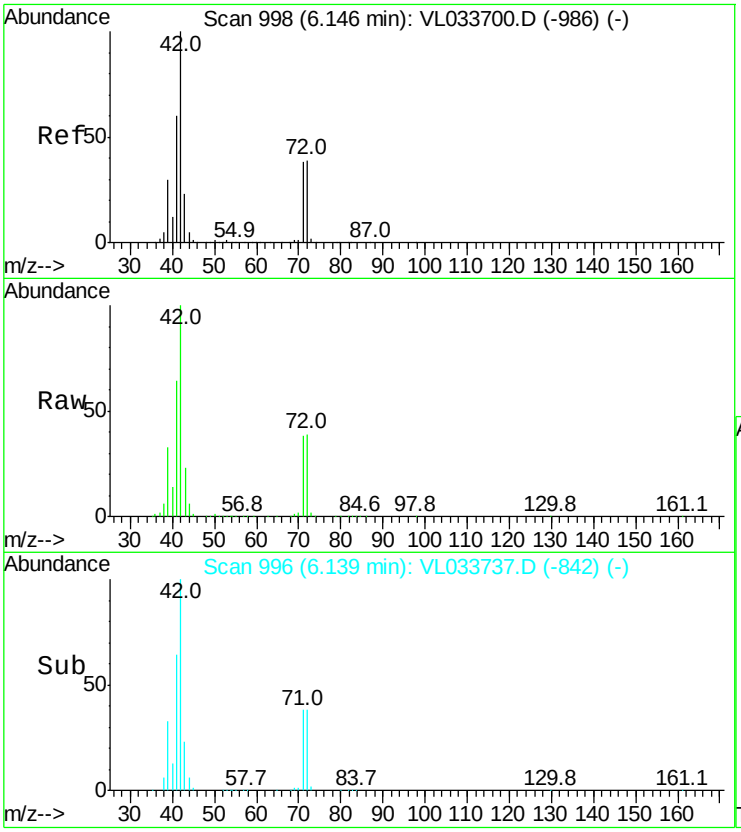


#40
1,4-Dioxane
Concen: 9.034 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 88 Resp: 298862

Ion	Ratio	Lower	Upper
88	100		
58	128.7	101.8	152.6
43	261.9	0.0	0.0#
57	1170.9	0.0	0.0#



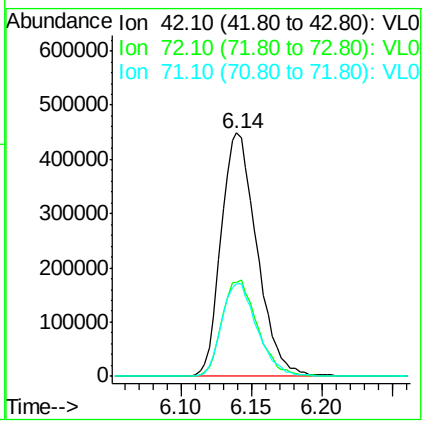


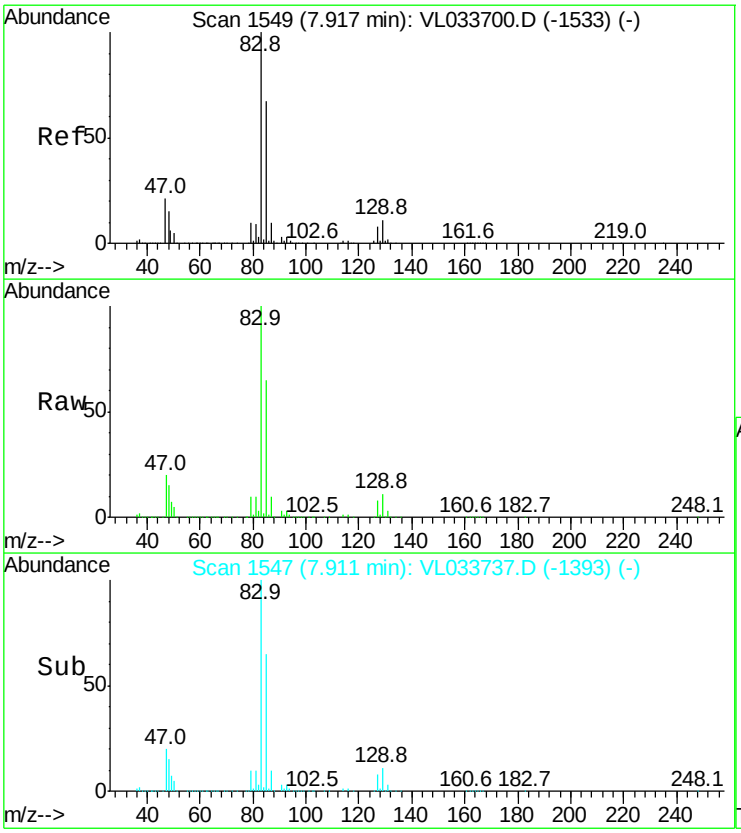
#41
Tetrahydrofuran
Concen: 9.802 ppbv
RT: 6.14 min Scan# 996
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 793771

Ion	Ratio	Lower	Upper
42	100		
72	39.5	32.0	48.0
71	38.2	30.4	45.6

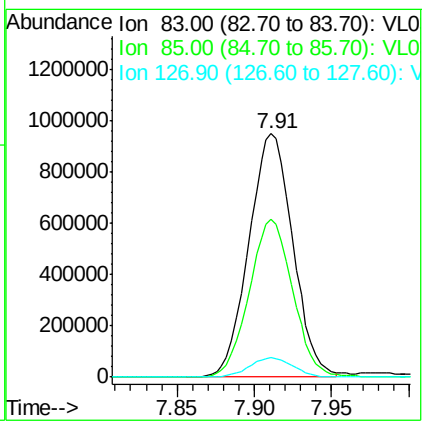


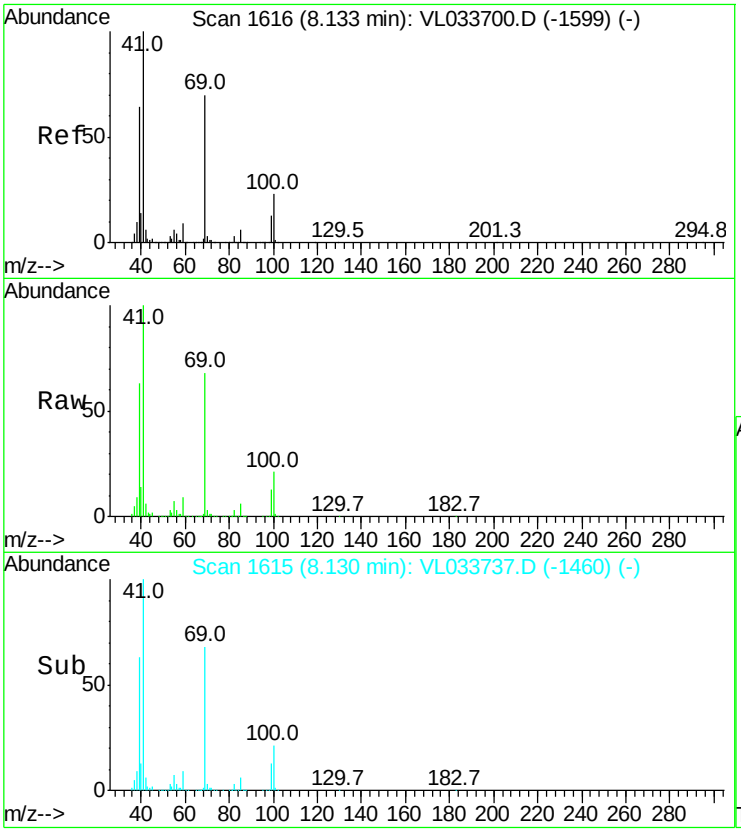


#42
Bromodichloromethane
Concen: 10.025 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 83 Resp: 1877956

Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.3	79.9
127	8.1	6.5	9.7



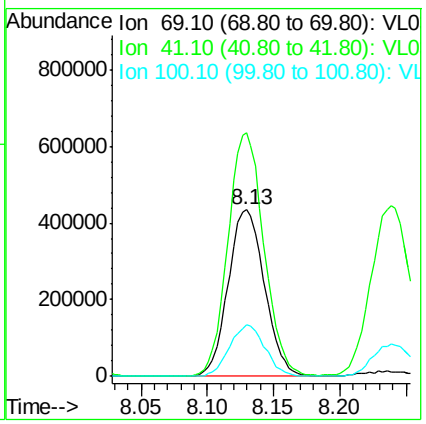


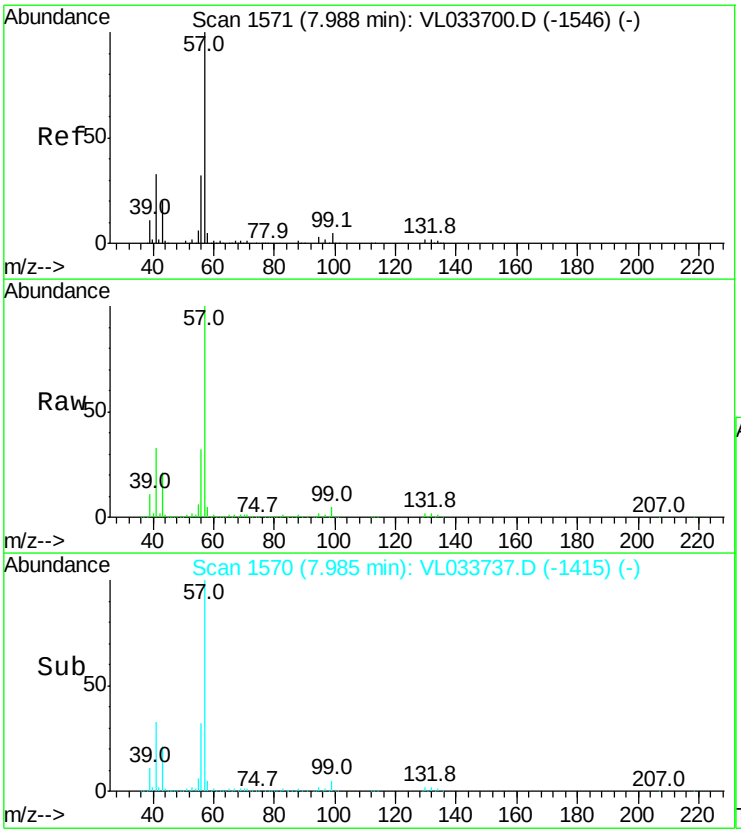
#43
Methyl Methacrylate
Concen: 10.609 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 828179

Ion	Ratio	Lower	Upper
69	100		
41	145.0	116.3	174.5
100	30.1	25.3	37.9

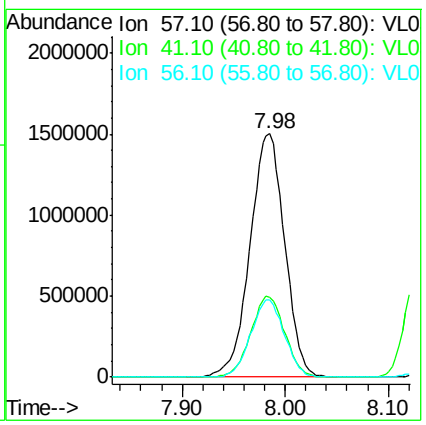


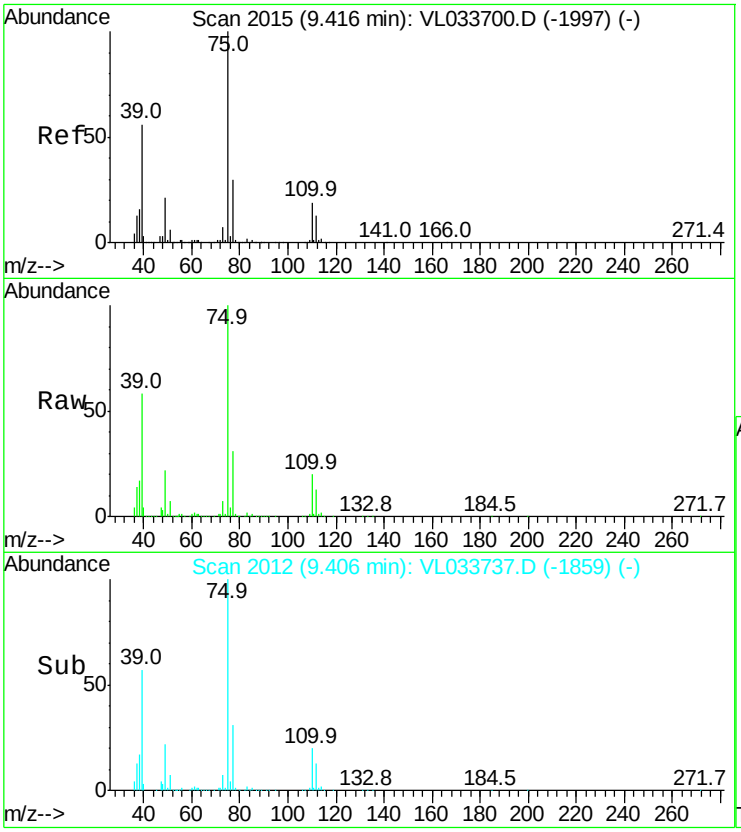


#44
2,2,4-Trimethylpentane
Concen: 9.753 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 57 Resp: 3496420

Ion	Ratio	Lower	Upper
57	100		
41	32.8	25.4	38.0
56	31.0	24.7	37.1



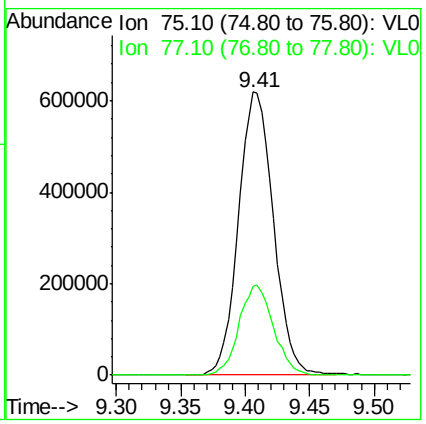


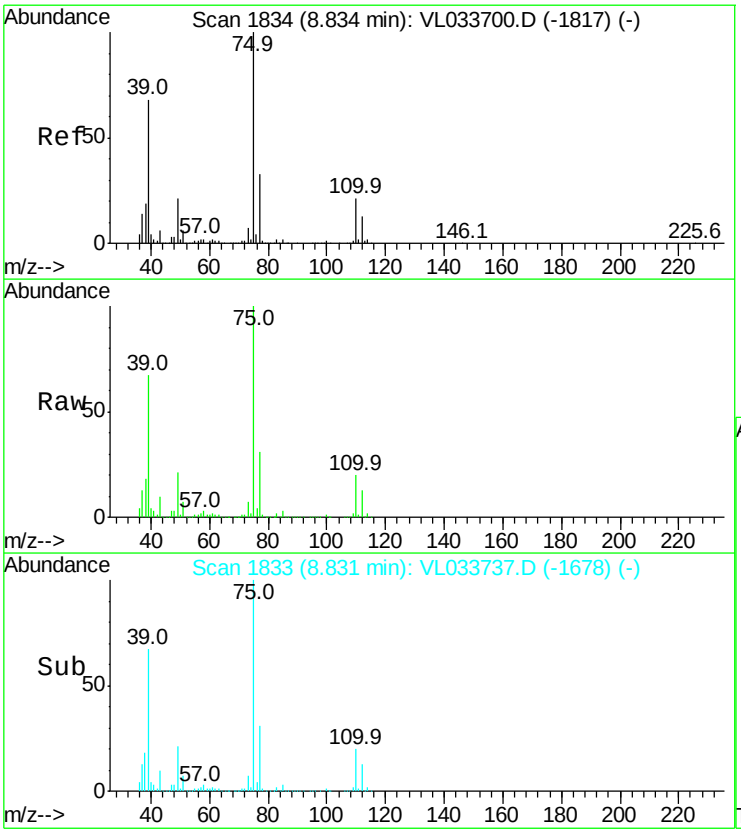
#45
t-1,3-Dichloropropene
Concen: 11.806 ppbv
RT: 9.41 min Scan# 2012
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1168339

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.4	36.6

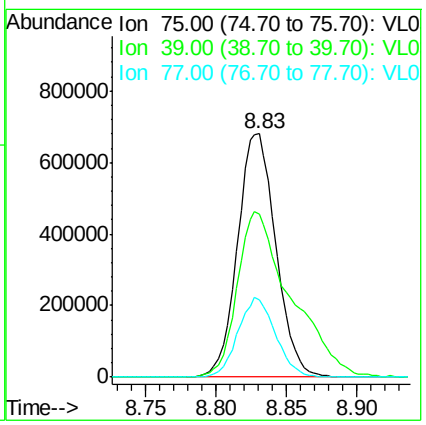


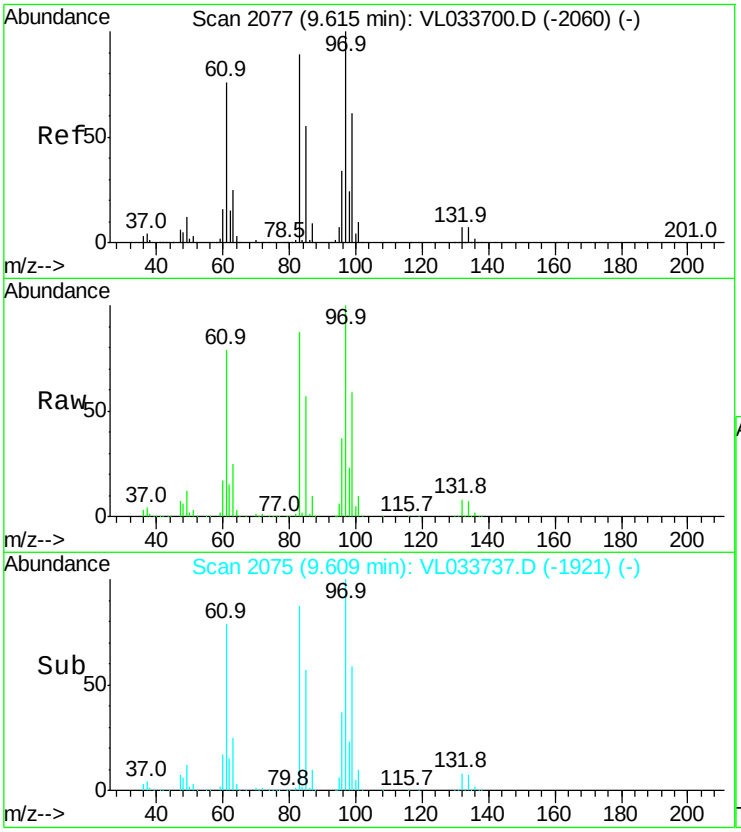


#46
cis-1,3-Dichloropropene
Concen: 11.162 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 75 Resp: 1293488

Ion	Ratio	Lower	Upper
75	100		
39	67.0	54.4	81.6
77	31.5	26.6	39.8



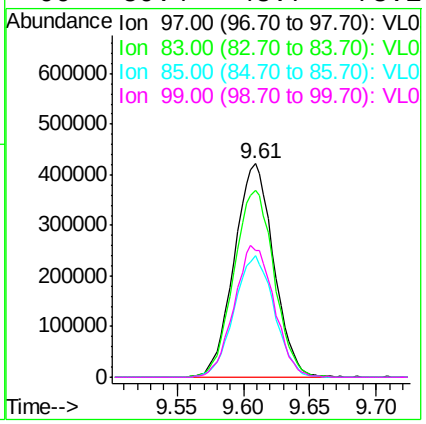


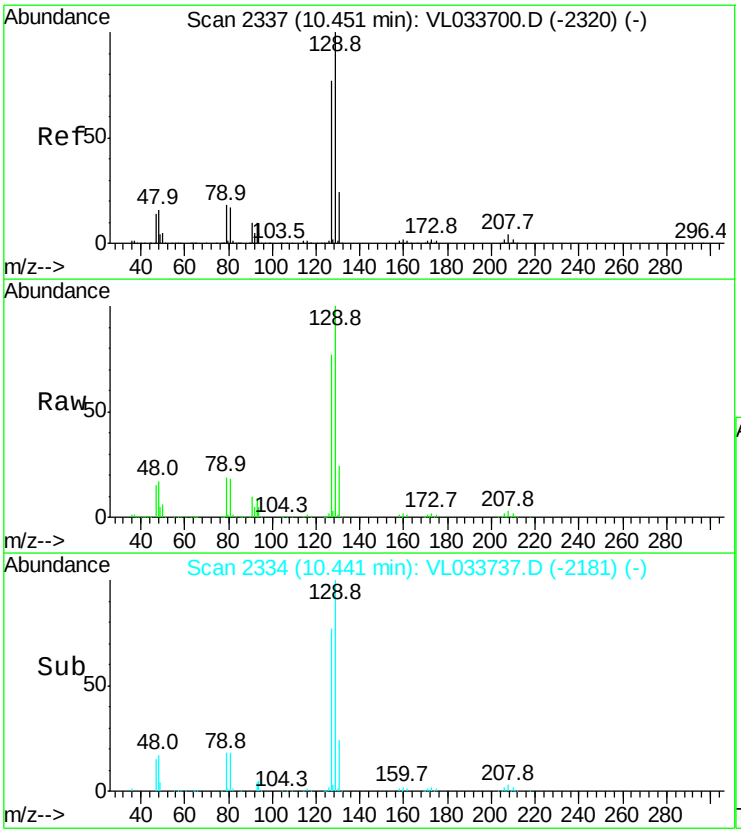
#47
1,1,2-Trichloroethane
Concen: 9.708 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 872155

Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.8	106.2
85	56.6	43.7	65.5
99	59.4	48.7	73.1

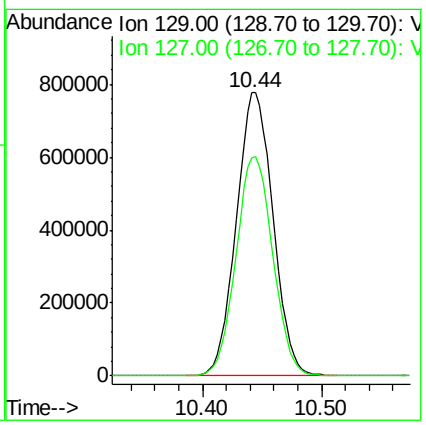


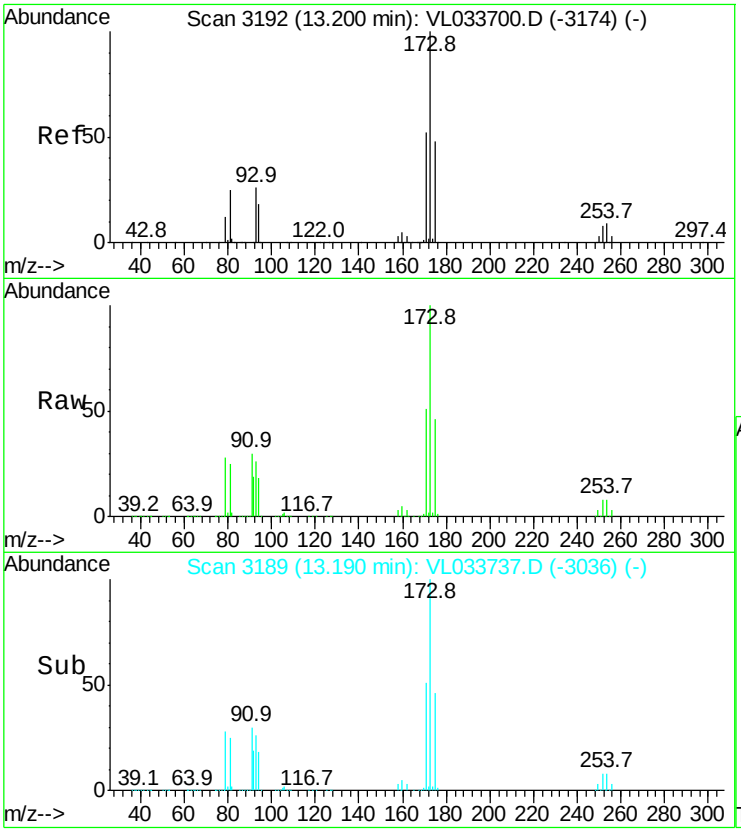


#48
Dibromochloromethane
Concen: 10.659 ppbv
RT: 10.44 min Scan# 2334
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:129 Resp: 1659190

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	116.0



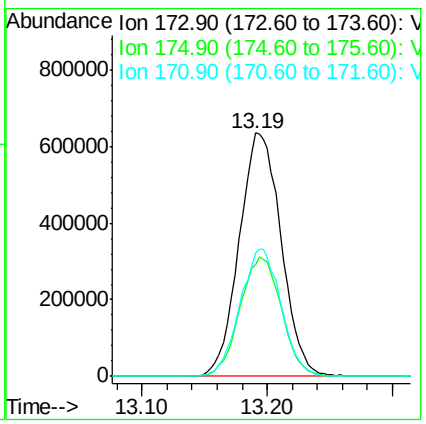


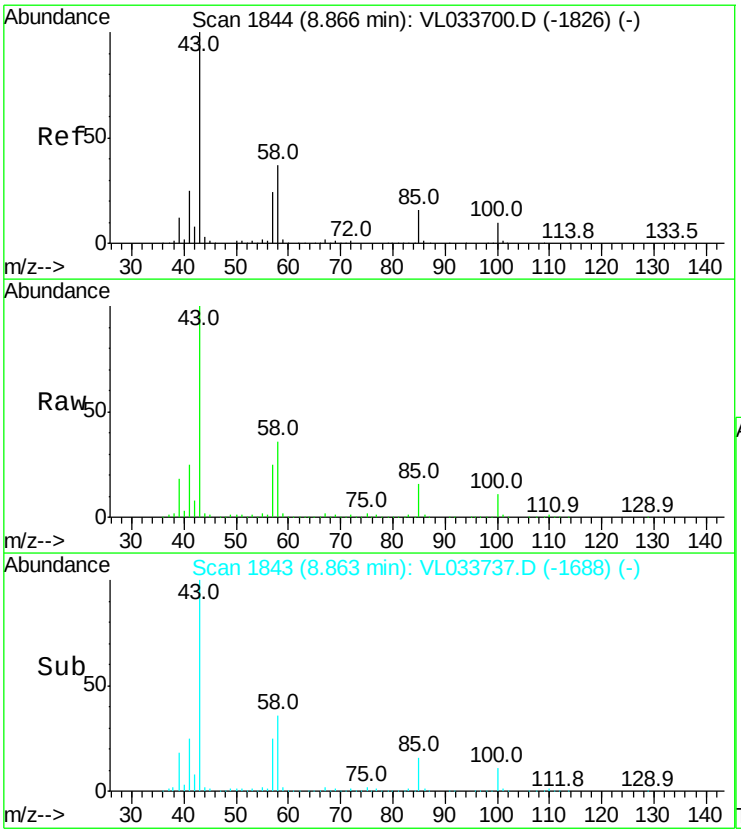
#49
Bromoform
Concen: 11.244 ppbv
RT: 13.19 min Scan# 3189
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1472738

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	58.0
171	51.3	41.5	62.3

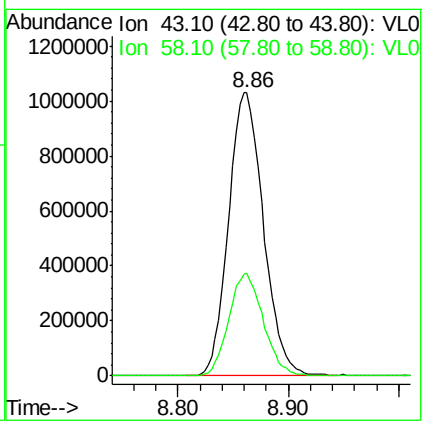


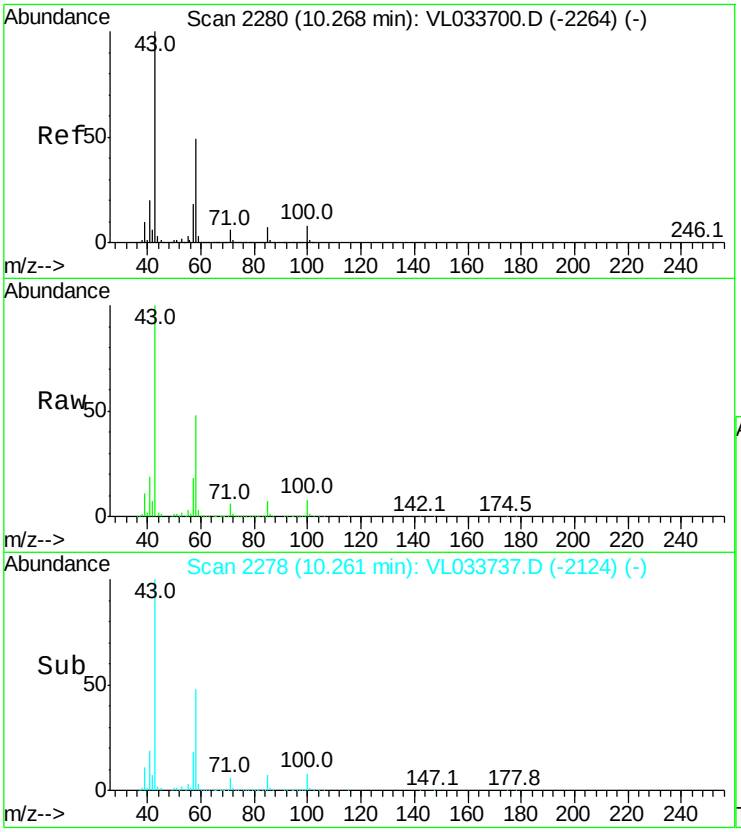


#50
4-Methyl-2-Pentanone
Concen: 10.137 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 43 Resp: 2253707

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.6	43.0



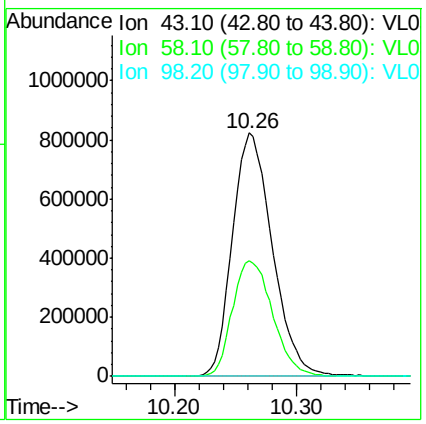


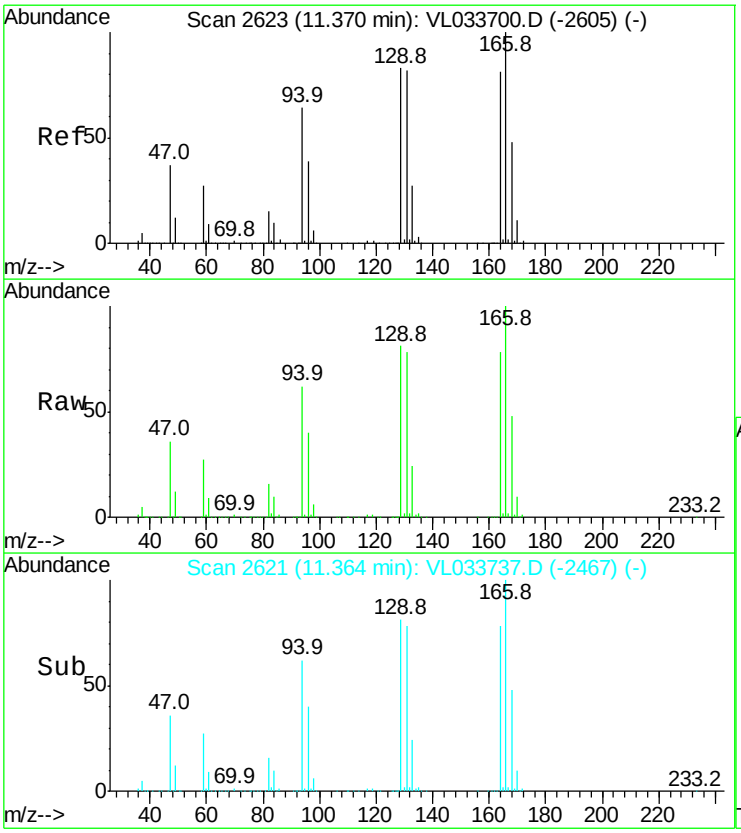
#51
2-Hexanone
Concen: 10.724 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1860826

Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.7	58.1
98	0.3	0.2	0.4

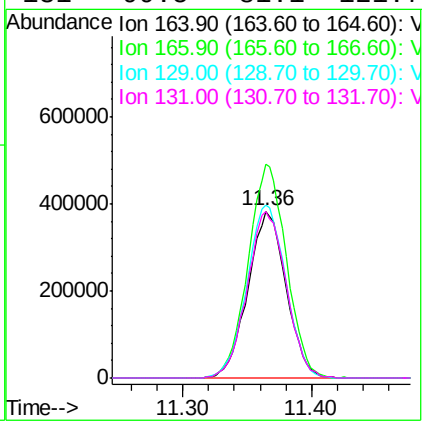


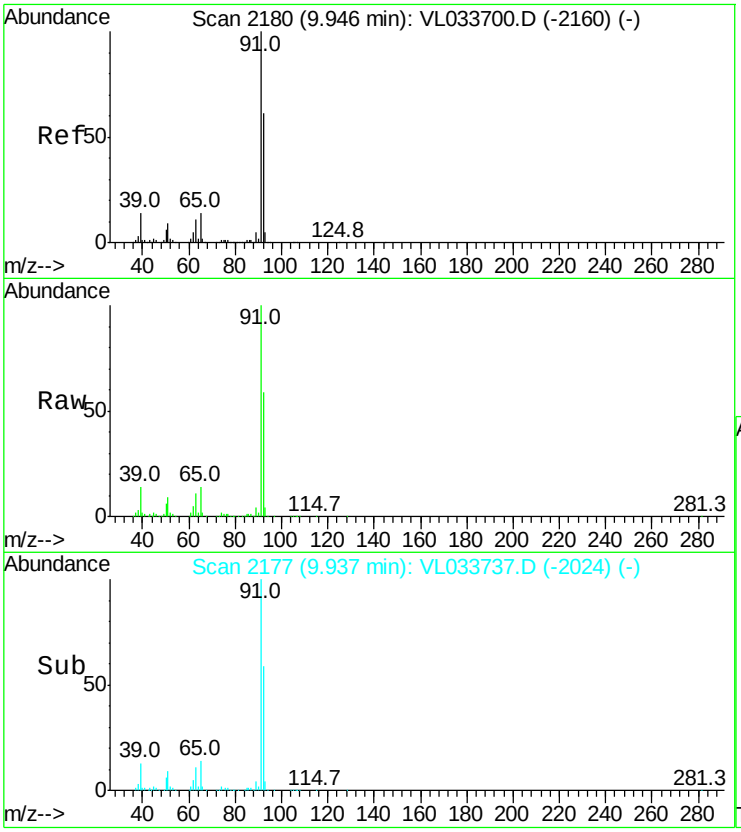


#52
Tetrachloroethene
Concen: 10.559 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:164 Resp: 787336

Ion	Ratio	Lower	Upper
164	100		
166	127.9	98.9	148.3
129	103.2	81.8	122.6
131	99.5	81.1	121.7



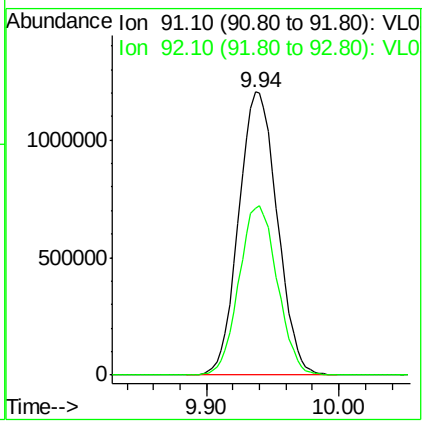


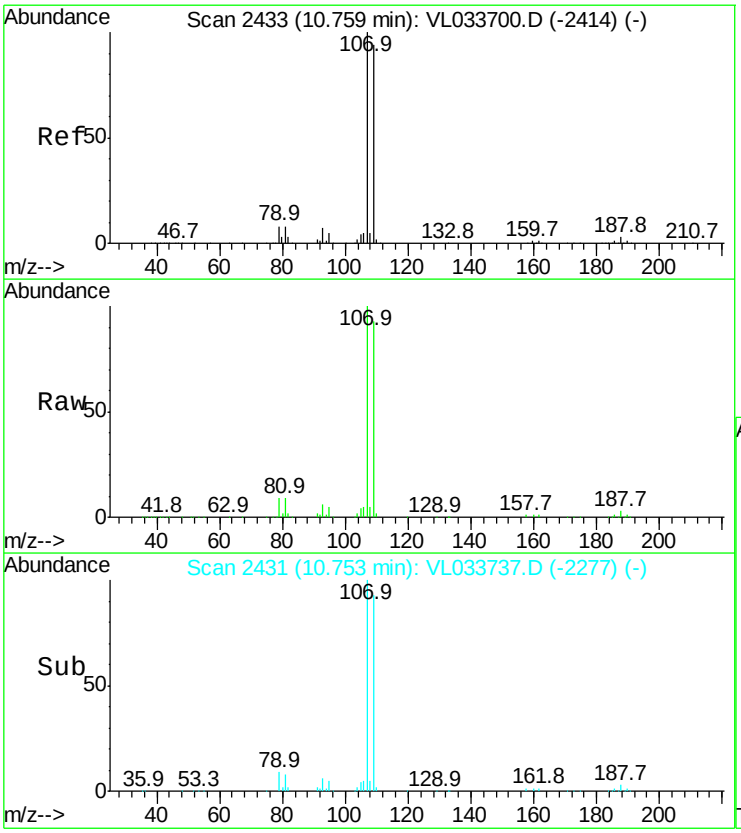
#53
Toluene
Concen: 10.644 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2435217

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.6	71.4

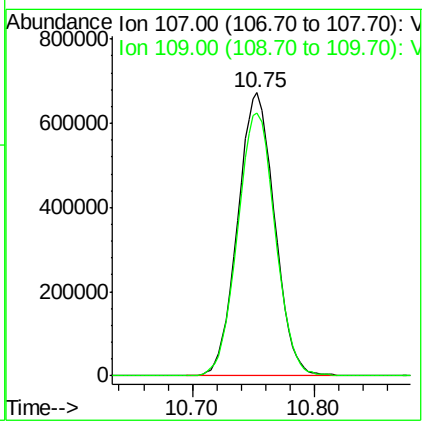


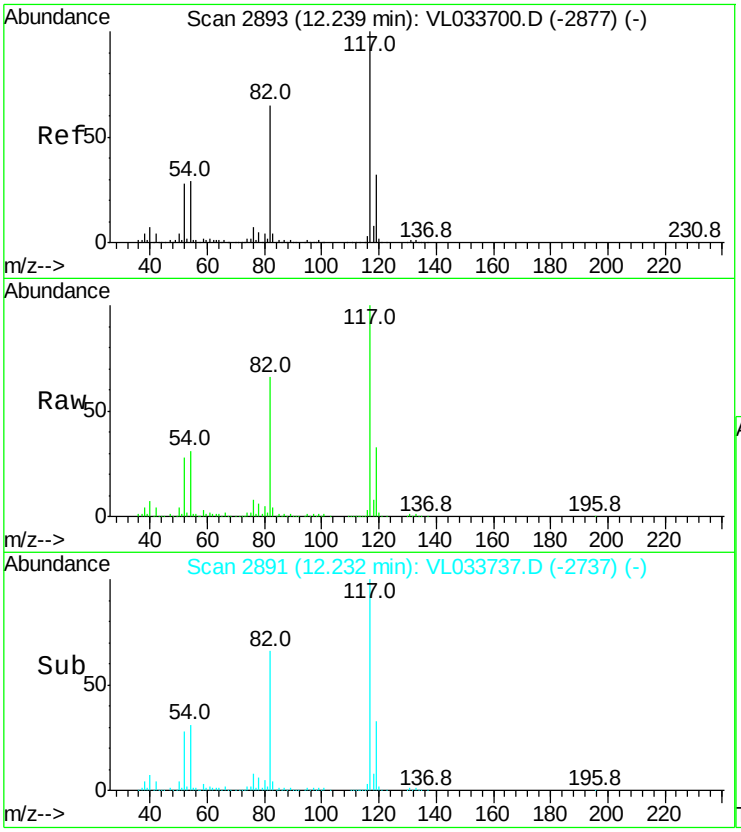


#54
1,2-Dibromoethane
Concen: 10.225 ppbv
RT: 10.75 min Scan# 2431
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:107 Resp: 1401868

Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.2	112.8



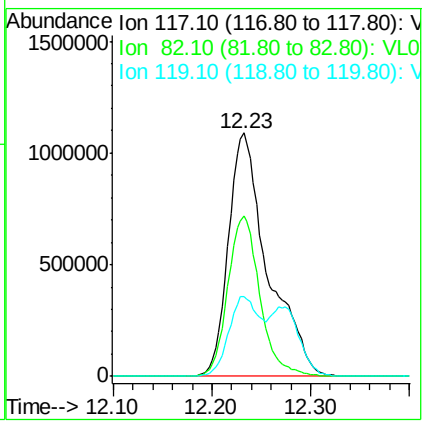


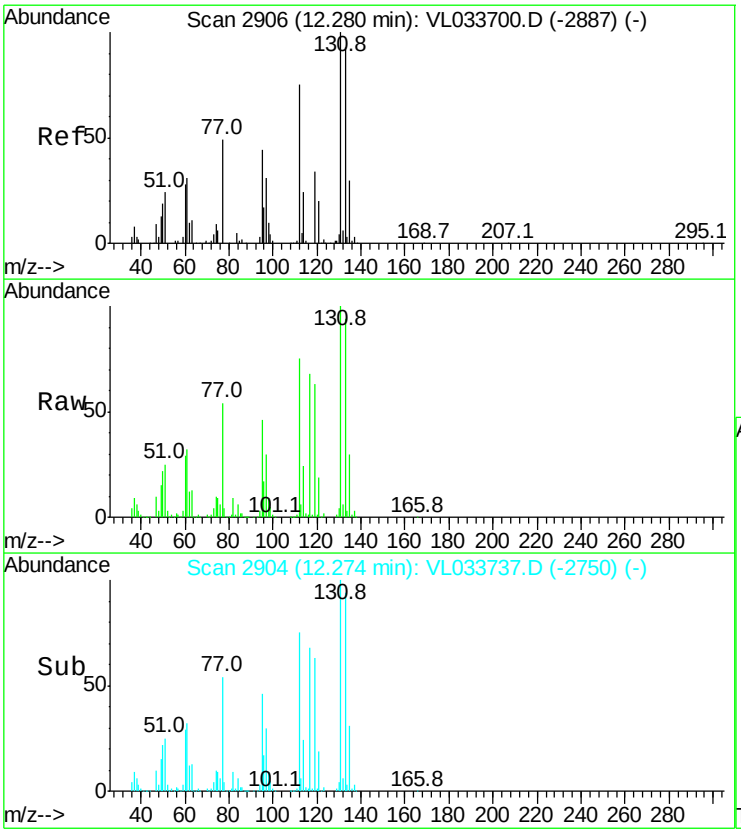
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3025822

Ion	Ratio	Lower	Upper
117	100		
82	53.7	49.4	74.0
119	26.4	24.9	37.3

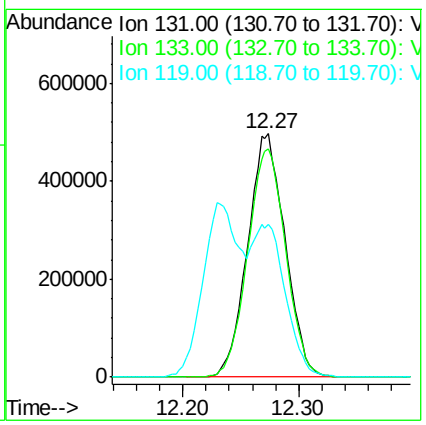


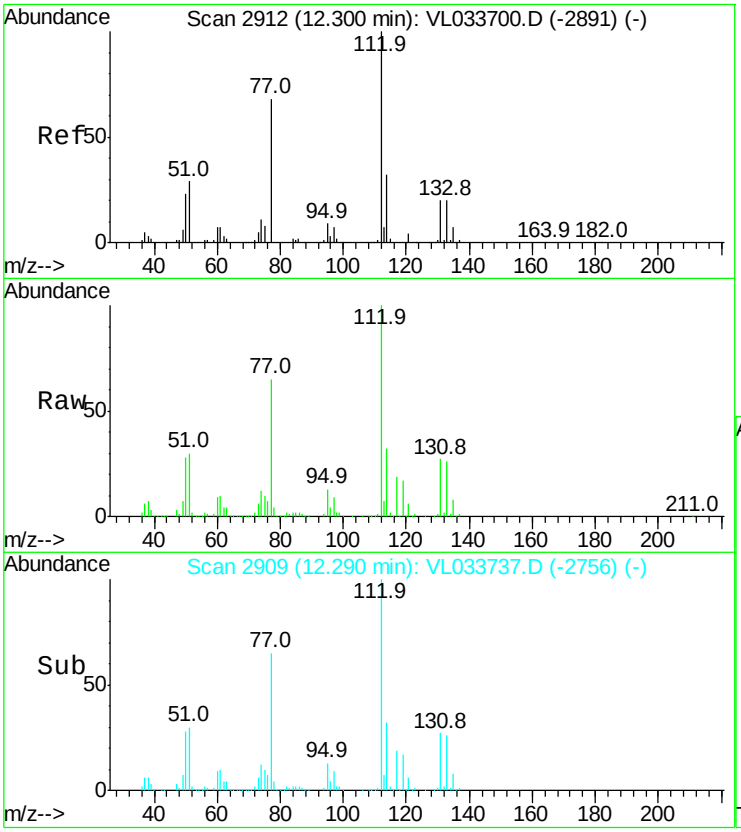


#56
1,1,1,2-Tetrachloroethane
Concen: 7.975 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:131 Resp: 1116676

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.6	114.8
119	52.7	49.0	73.4



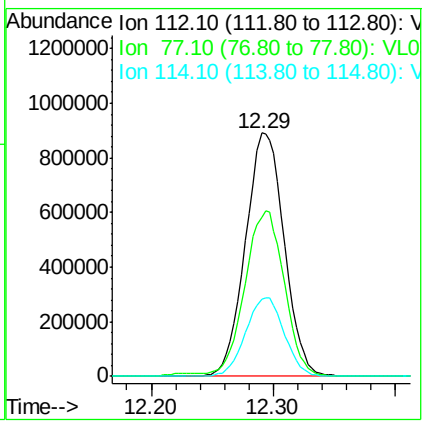


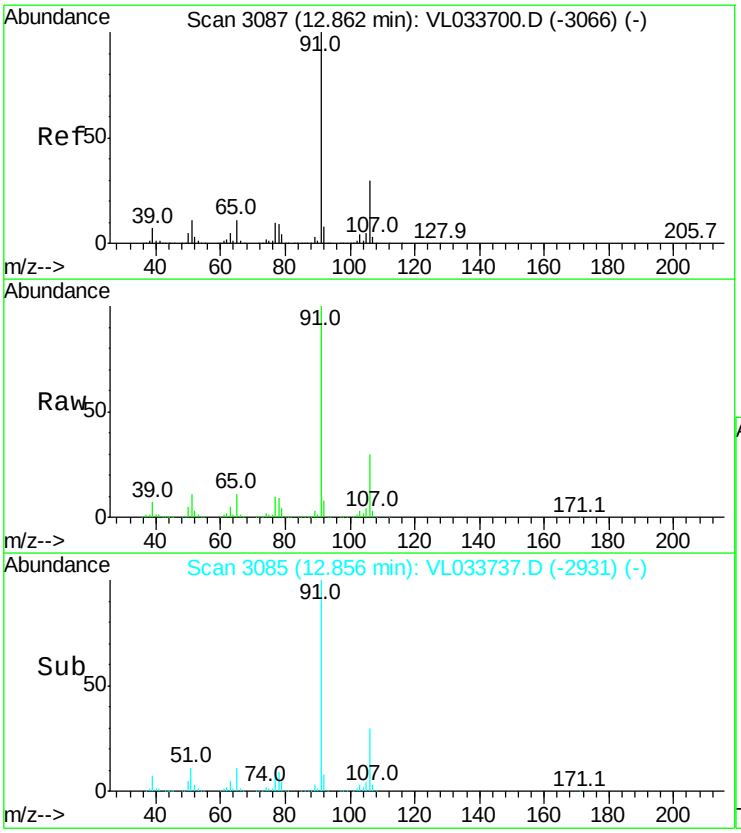
#57
Chlorobenzene
Concen: 7.838 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 1952173

Ion	Ratio	Lower	Upper
112	100		
77	65.2	55.4	83.0
114	32.0	29.3	35.8

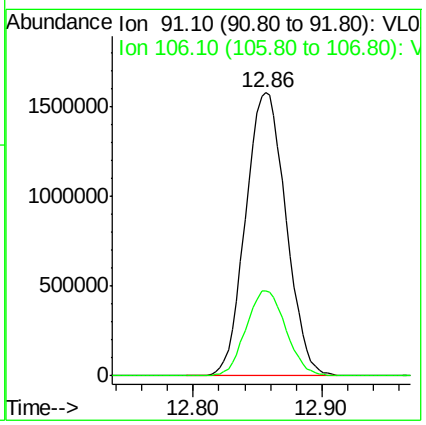


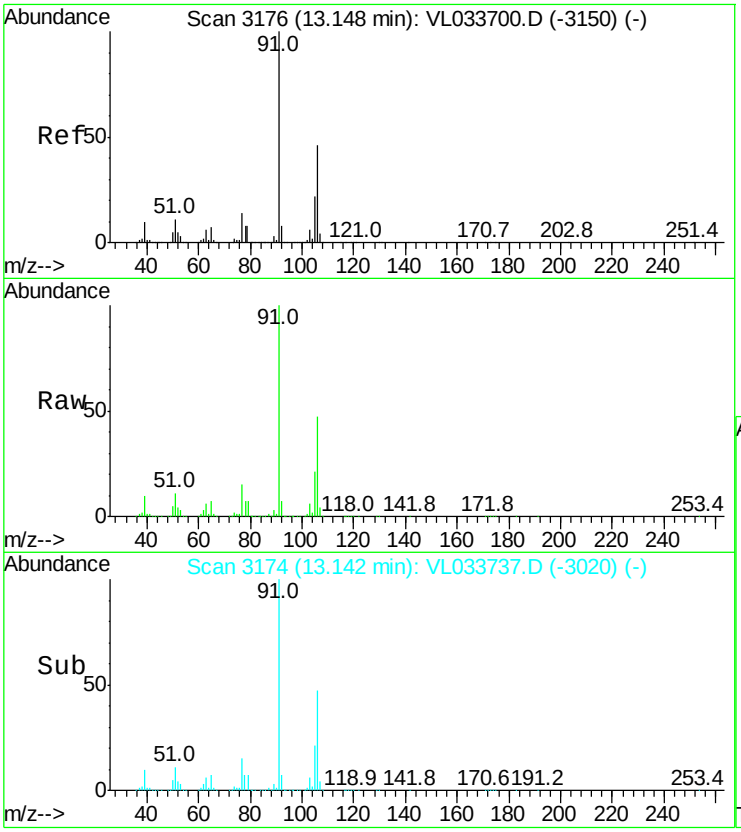


#58
Ethyl Benzene
Concen: 8.593 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 91 Resp: 3442967

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.9	35.9



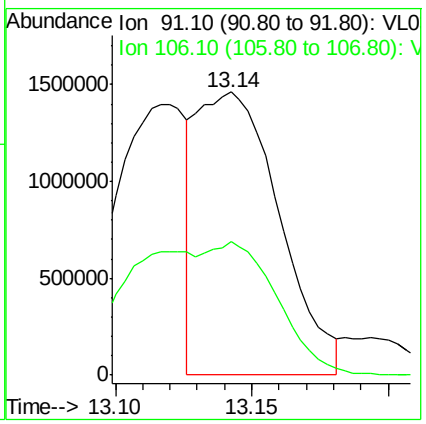


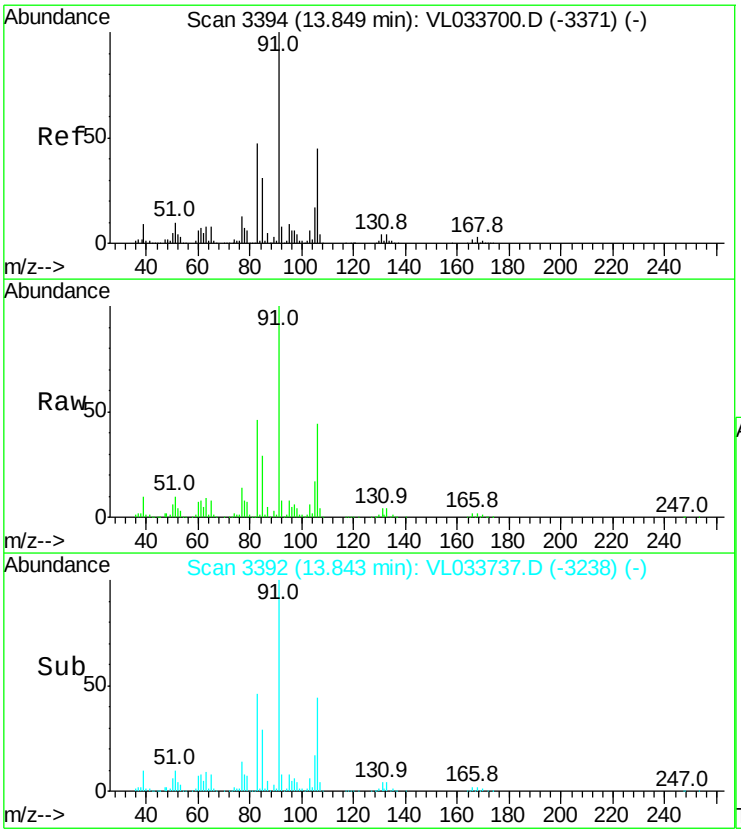
#59
m/p-Xylene
Concen: 8.725 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3056238

Ion	Ratio	Lower	Upper
91	100		
106	85.0	35.8	53.6#

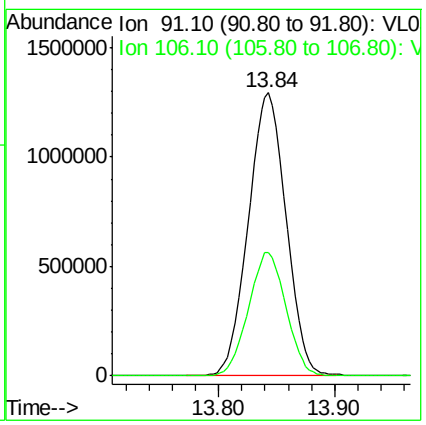


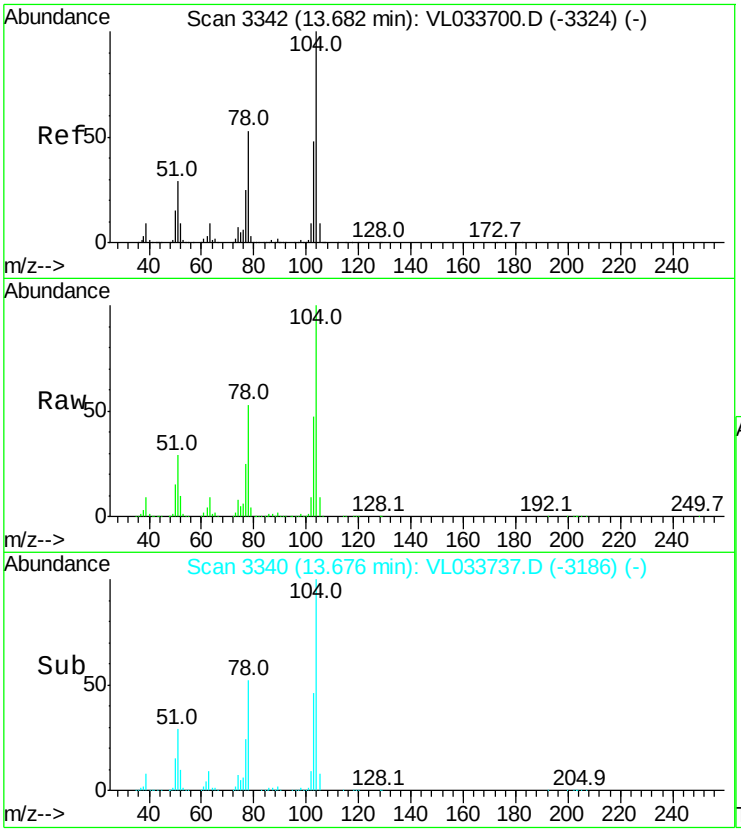


#60
o-Xylene
Concen: 8.305 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 91 Resp: 2932499

Ion	Ratio	Lower	Upper
91	100		
106	43.3	21.6	64.8



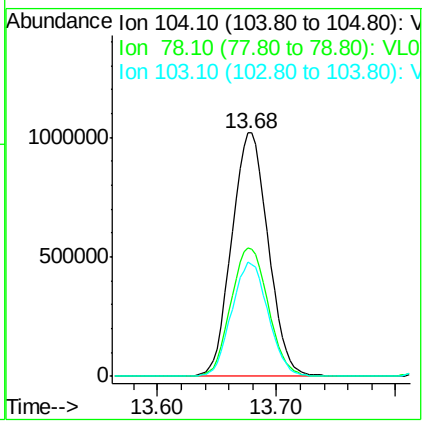


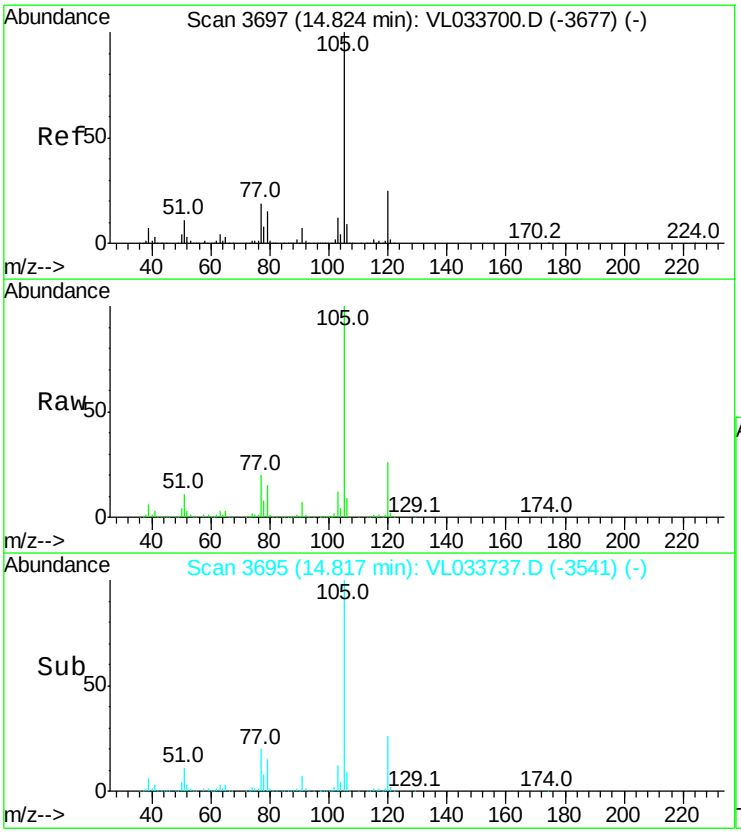
#61
Styrene
Concen: 9.101 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 2163564

Ion	Ratio	Lower	Upper
104	100		
78	54.1	42.6	64.0
103	47.0	37.8	56.6

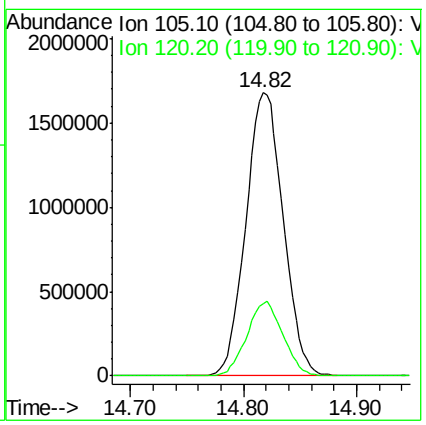


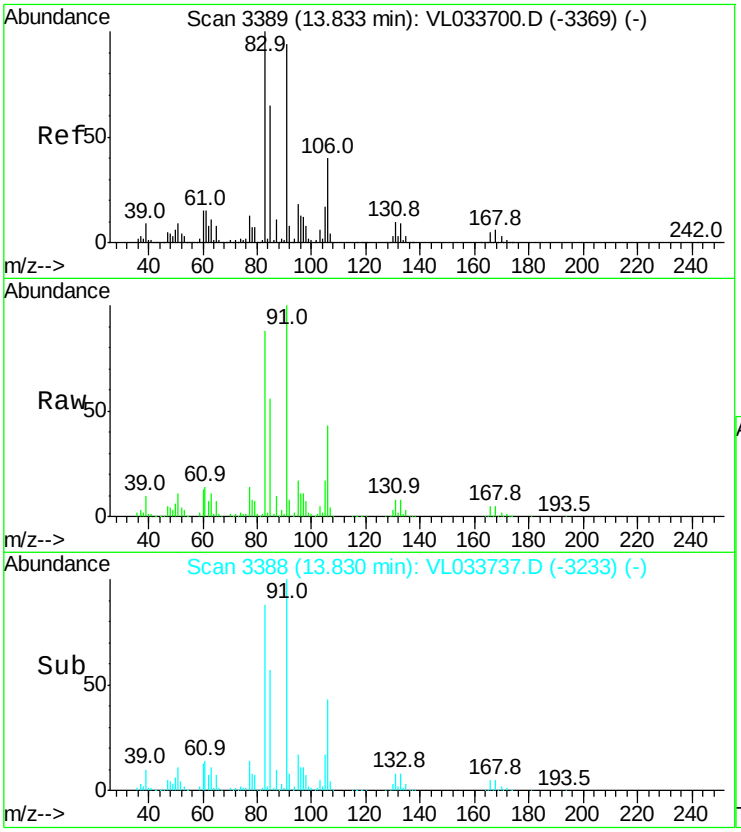


#62
Isopropylbenzene
Concen: 8.101 ppbv
RT: 14.82 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:105 Resp: 3851962

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.1	30.1



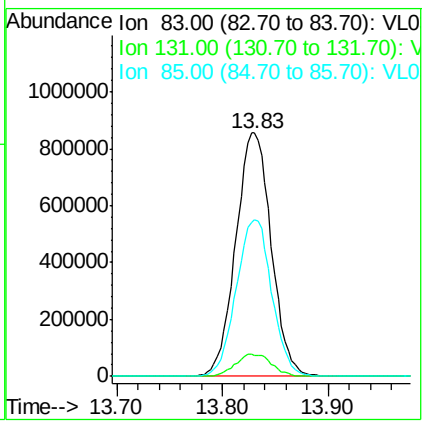


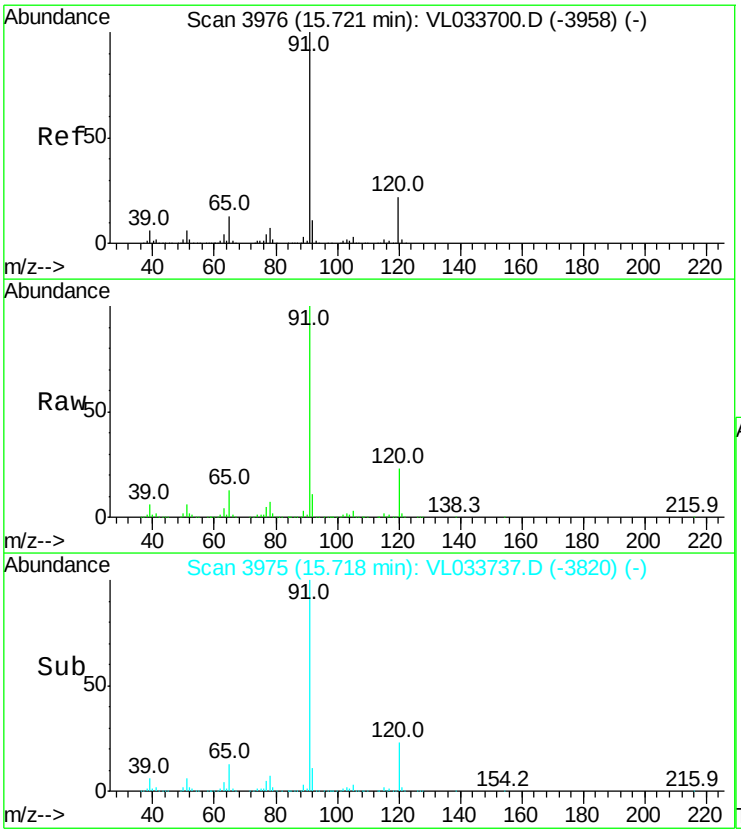
#63
1,1,2,2-Tetrachloroethane
Concen: 7.775 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1996418

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	64.6	32.3	96.9

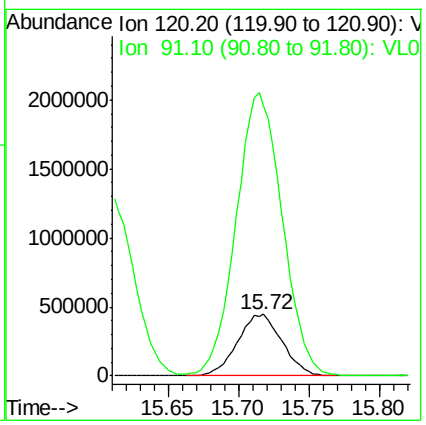


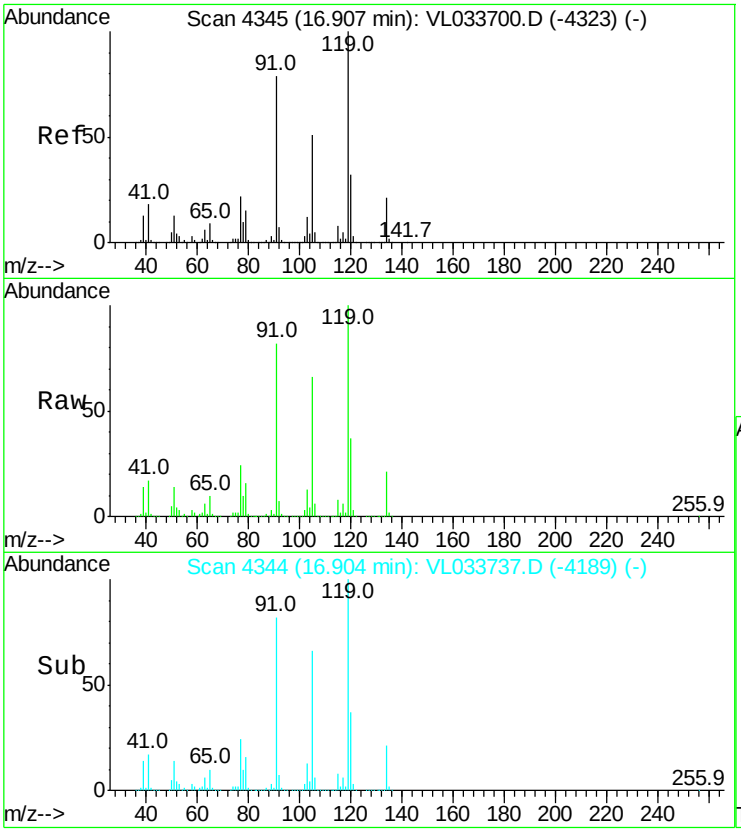


#64
n-propylbenzene
Concen: 8.038 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:120 Resp: 988691

Ion	Ratio	Lower	Upper
120	100		
91	477.3	379.1	568.7



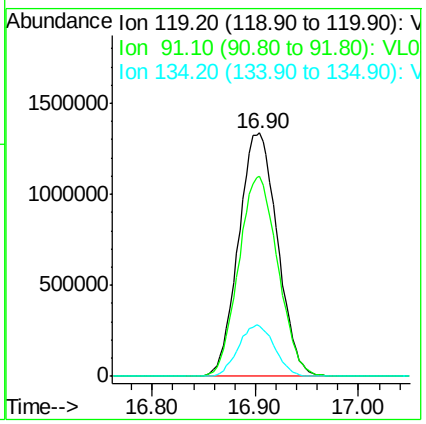


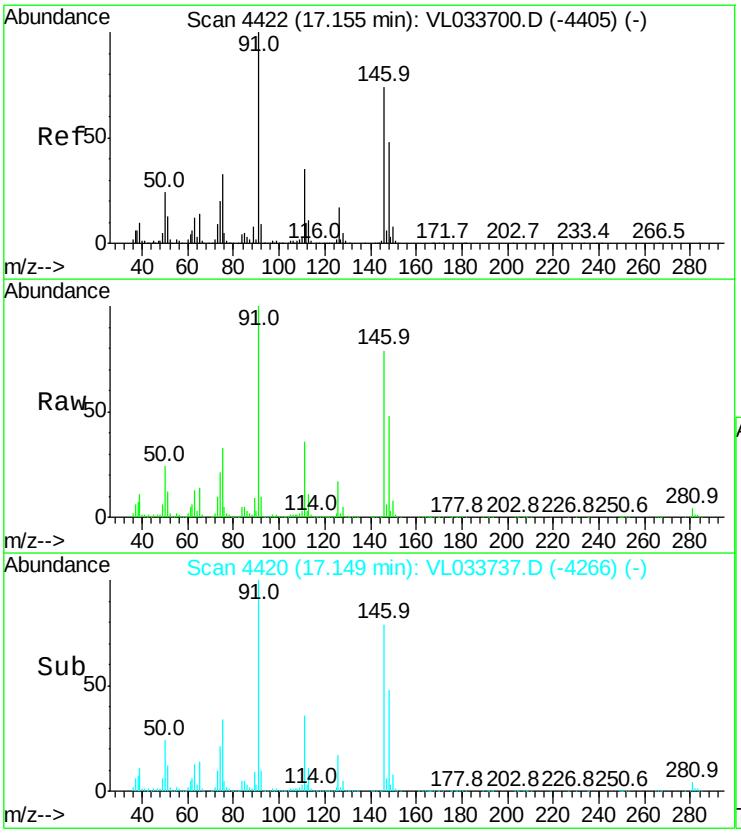
#65
tert-Butylbenzene
Concen: 8.065 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3501263

Ion	Ratio	Lower	Upper
119	100		
91	83.1	65.3	97.9
134	19.7	15.7	23.5

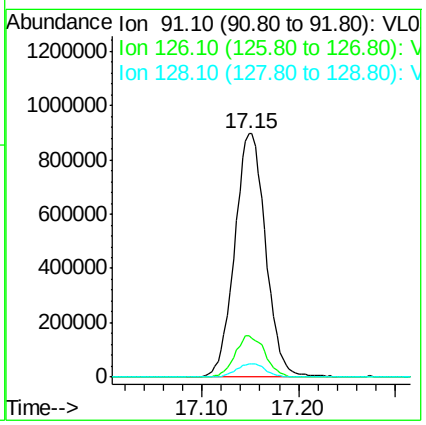


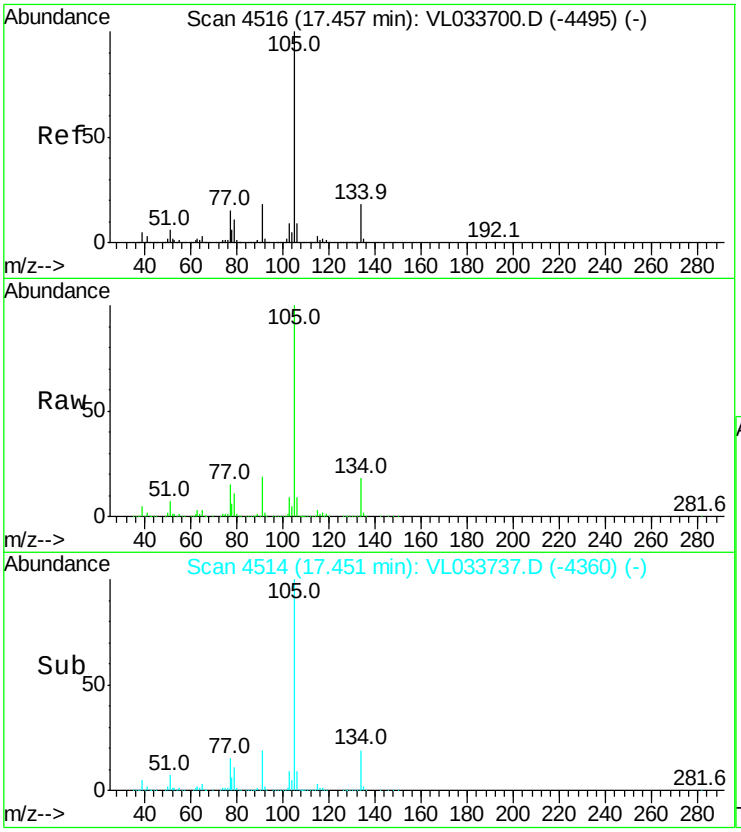


#66
Benzyl Chloride
Concen: 9.619 ppbv
RT: 17.15 min Scan# 4420
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 91 Resp: 1989013

Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.5	20.3
128	5.4	4.3	6.5



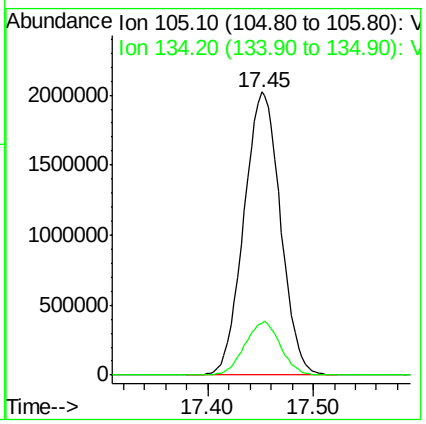


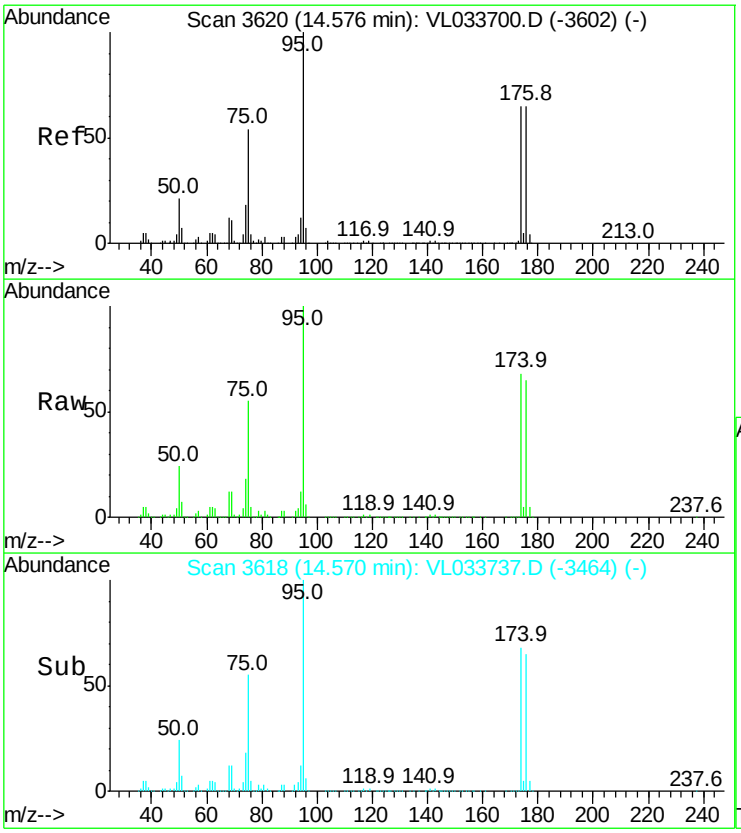
#67
sec-Butylbenzene
Concen: 8.021 ppbv
RT: 17.45 min Scan# 4514
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 4874239

Ion	Ratio	Lower	Upper
105	100		
134	18.5	14.6	22.0

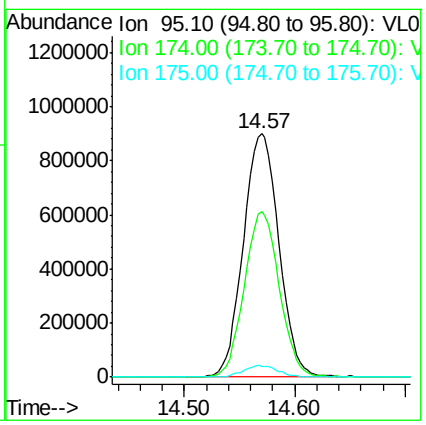


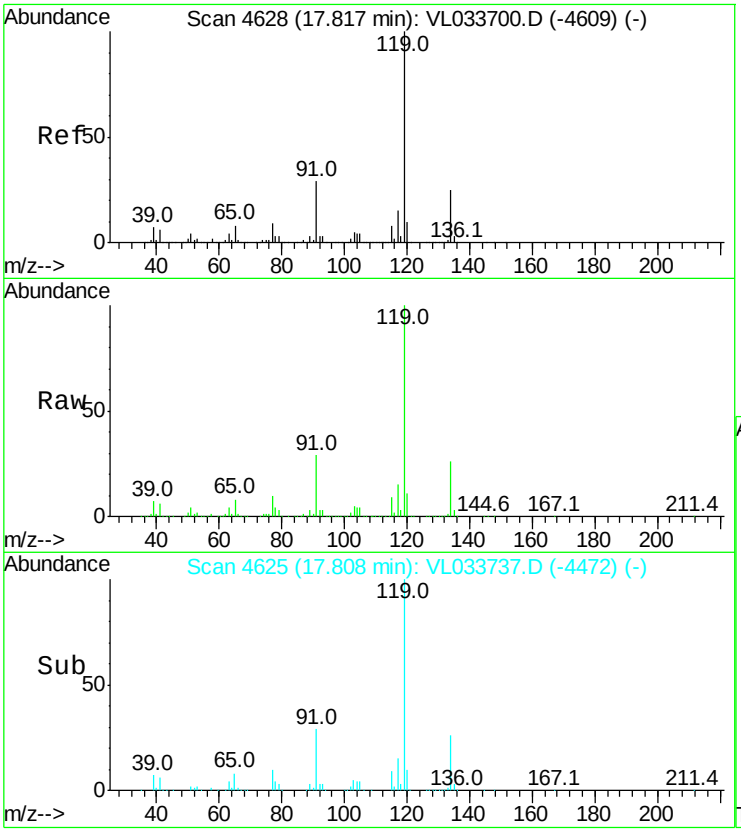


#68
1-Bromo-4-Fluorobenzene
Concen: 8.216 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 95 Resp: 2015441

Ion	Ratio	Lower	Upper
95	100		
174	67.0	53.9	80.9
175	4.7	3.8	5.8



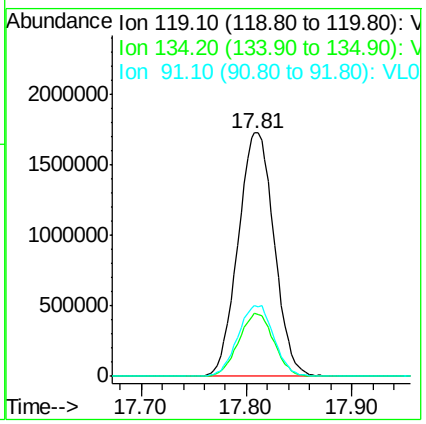


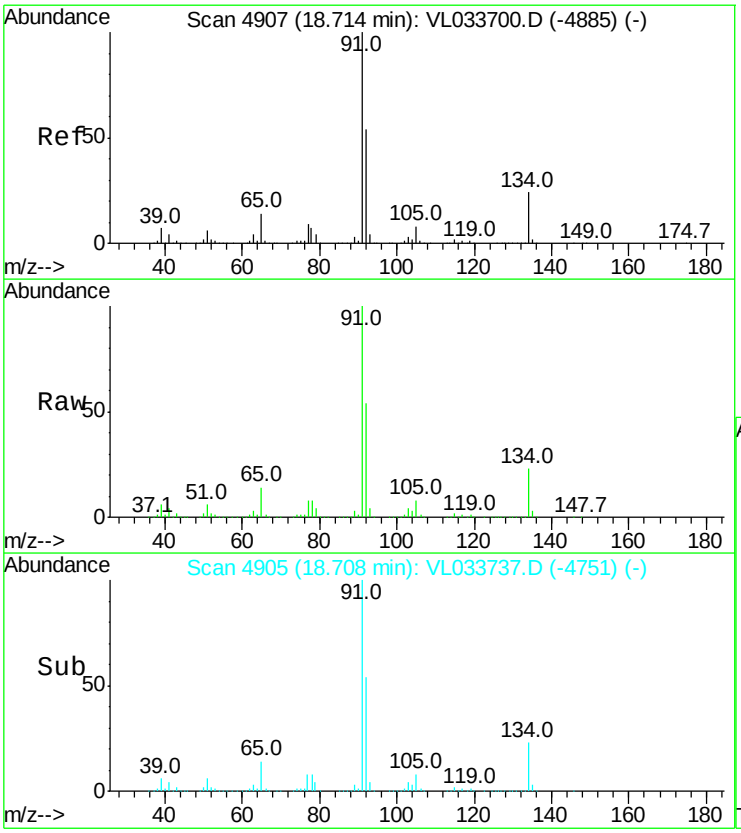
#69
p-Isopropyltoluene
Concen: 8.188 ppbv
RT: 17.81 min Scan# 4625
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4112583

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	29.1	23.1	34.7

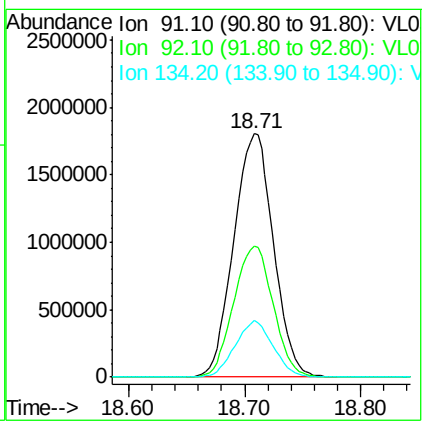


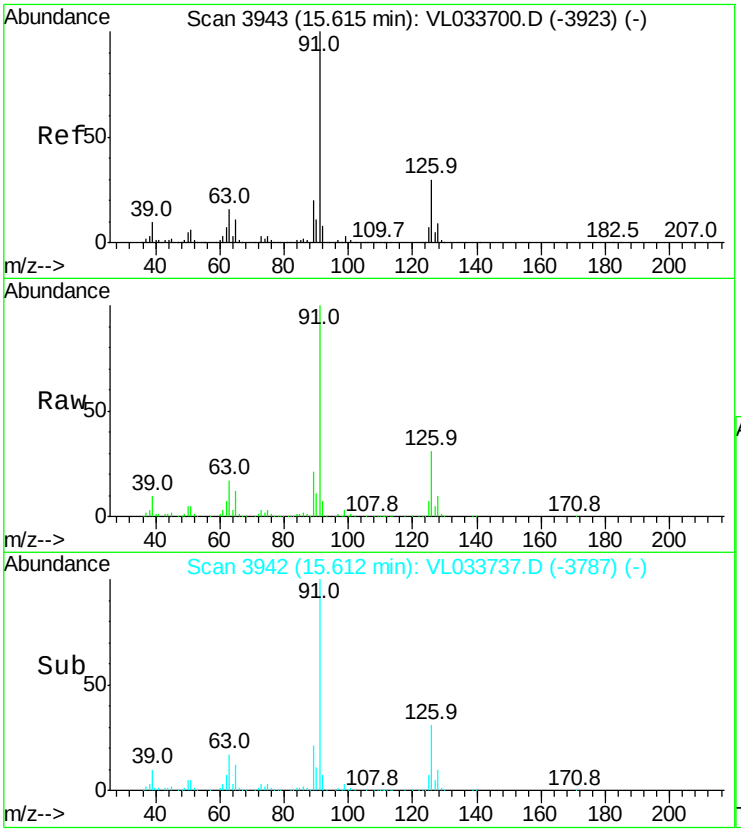


#70
n-Butylbenzene
Concen: 7.929 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion: 91 Resp: 4270667

Ion	Ratio	Lower	Upper
91	100		
92	53.8	42.6	63.8
134	22.2	18.1	27.1



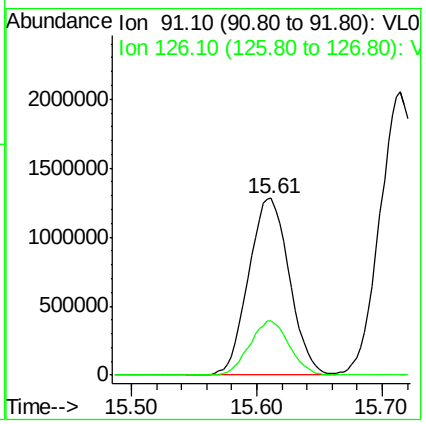


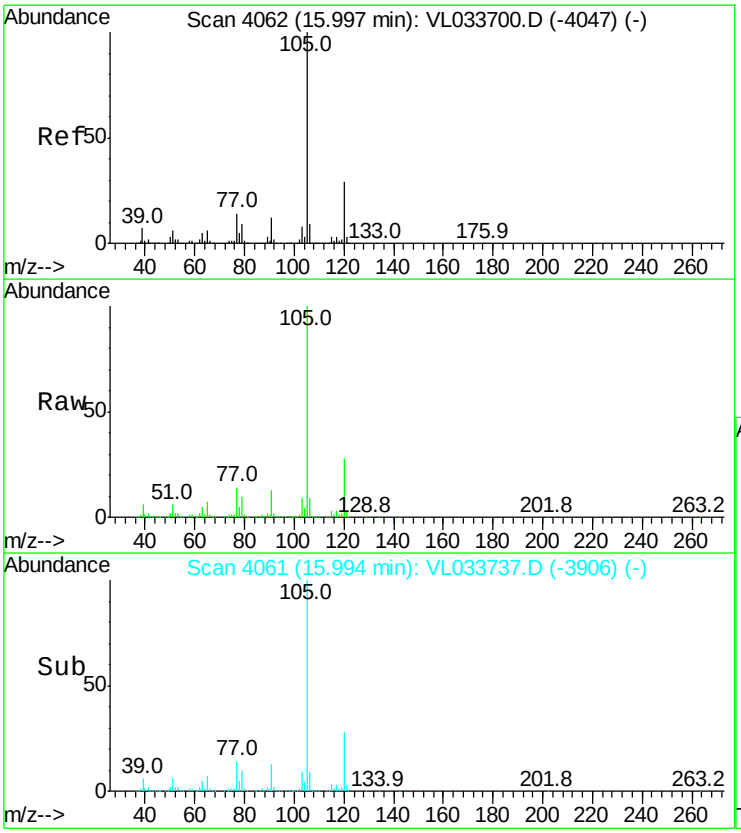
#71
2-Chlorotoluene
Concen: 8.246 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2909261

Ion	Ratio	Lower	Upper
91	100		
126	29.7	12.0	47.8

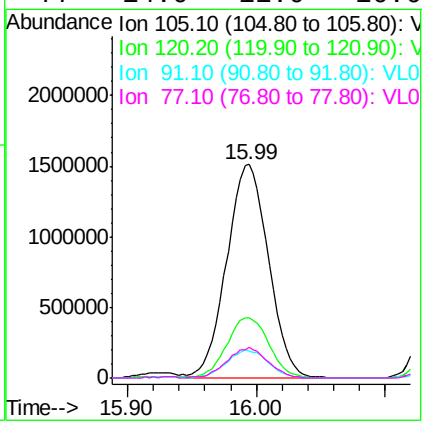


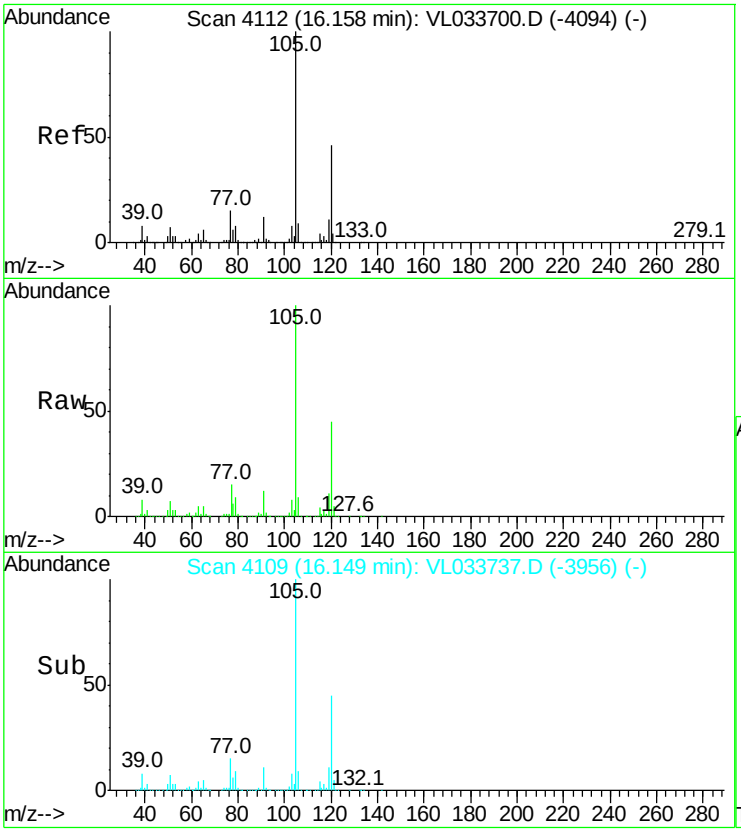


#72
4-Ethyltoluene
Concen: 8.394 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:105 Resp: 3388965

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.1	34.7
91	13.0	10.4	15.6
77	14.0	11.0	16.6



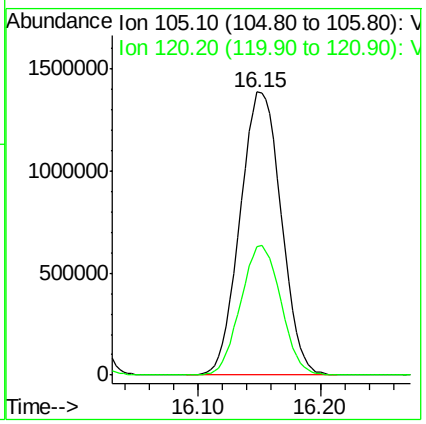


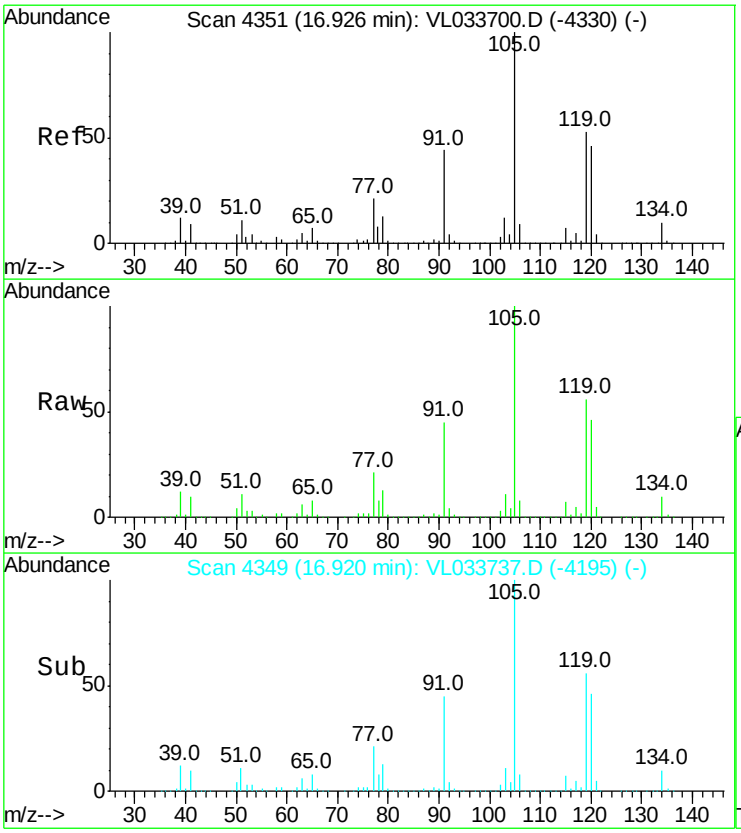
#73
1,3,5-Trimethylbenzene
Concen: 8.195 ppbv
RT: 16.15 min Scan# 4109
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3227888

Ion	Ratio	Lower	Upper
105	100		
120	45.2	37.0	55.4

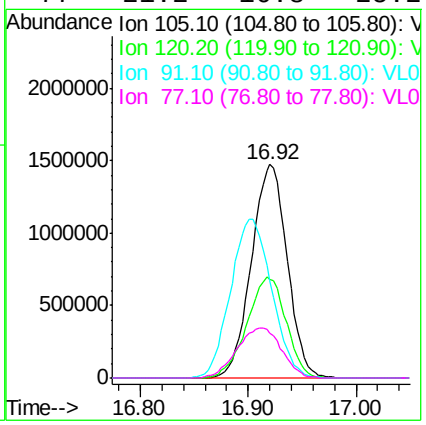


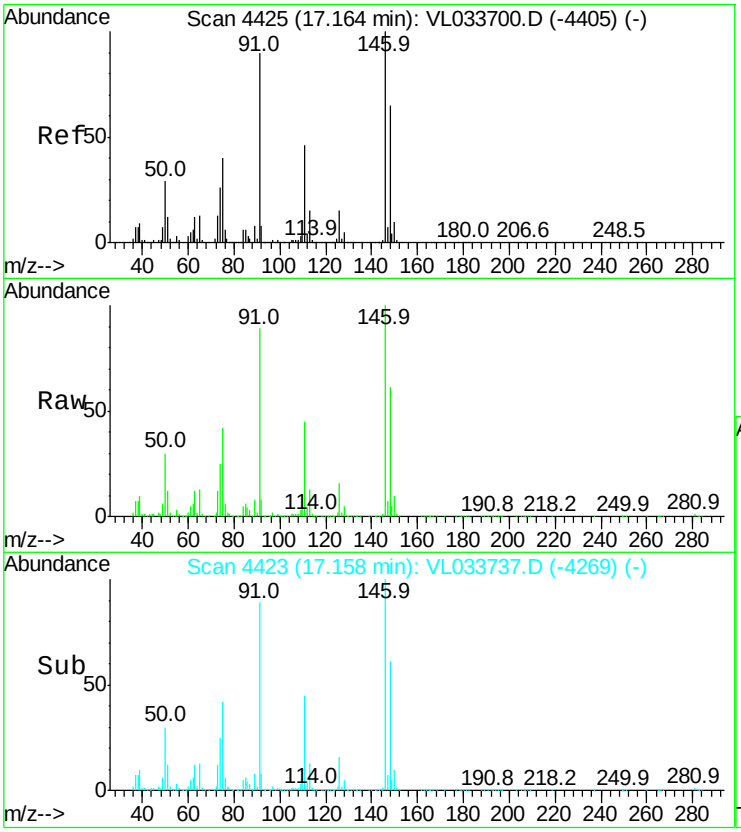


#74
1,2,4-Trimethylbenzene
Concen: 7.928 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:105 Resp: 3398659

Ion	Ratio	Lower	Upper
105	100		
120	46.1	36.8	55.2
91	45.3	35.4	53.0
77	21.2	16.8	25.2



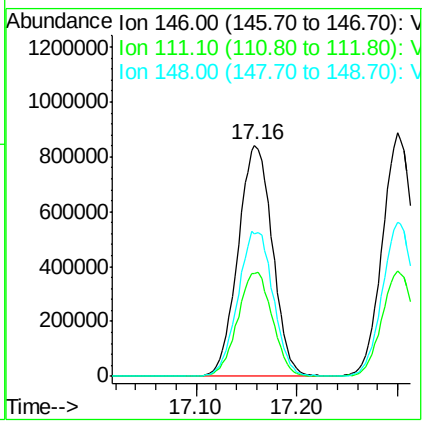


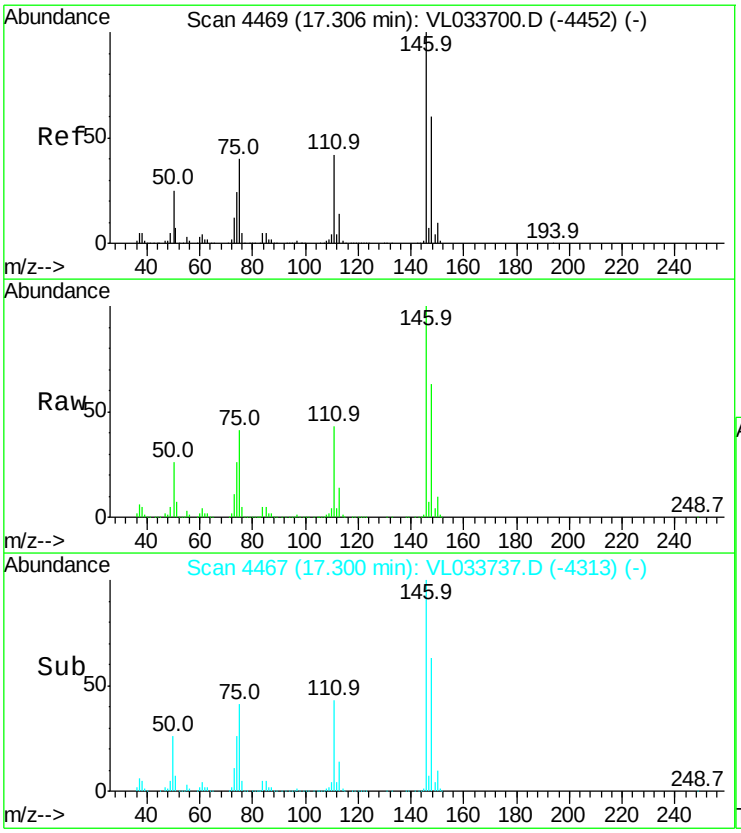
#75
1,3-Dichlorobenzene
Concen: 7.583 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1992133

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.9	68.8
148	64.0	32.0	96.2

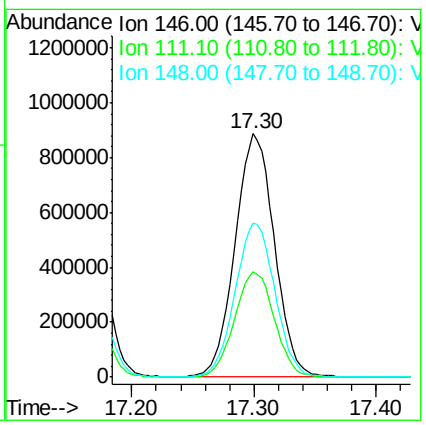


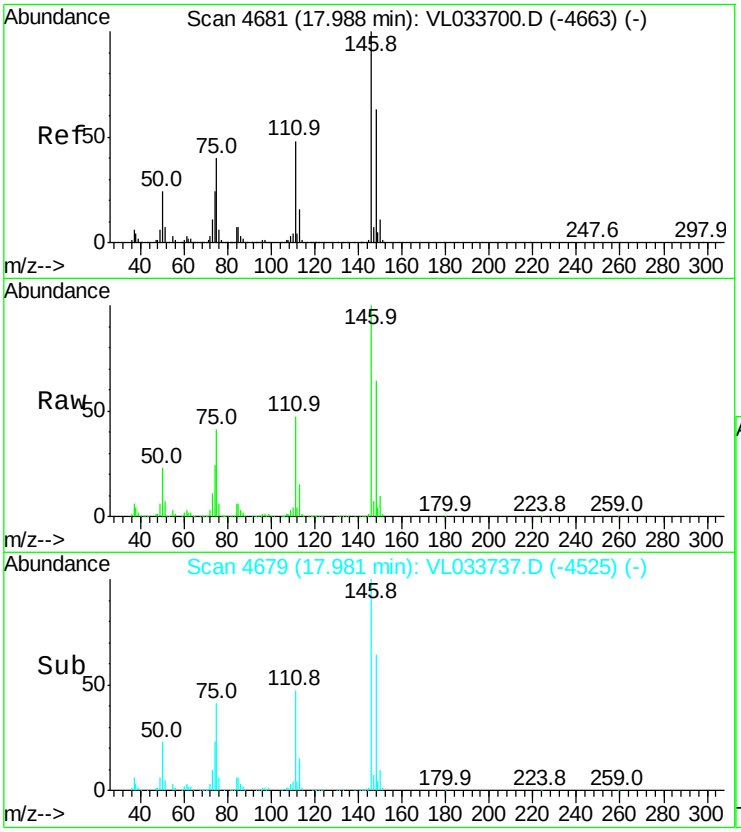


#76
1,4-Dichlorobenzene
Concen: 7.870 ppbv
RT: 17.30 min Scan# 4467
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:146 Resp: 1965044

Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.9	65.8
148	64.5	32.1	96.3



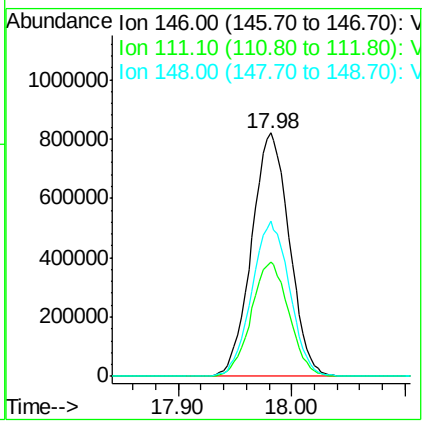


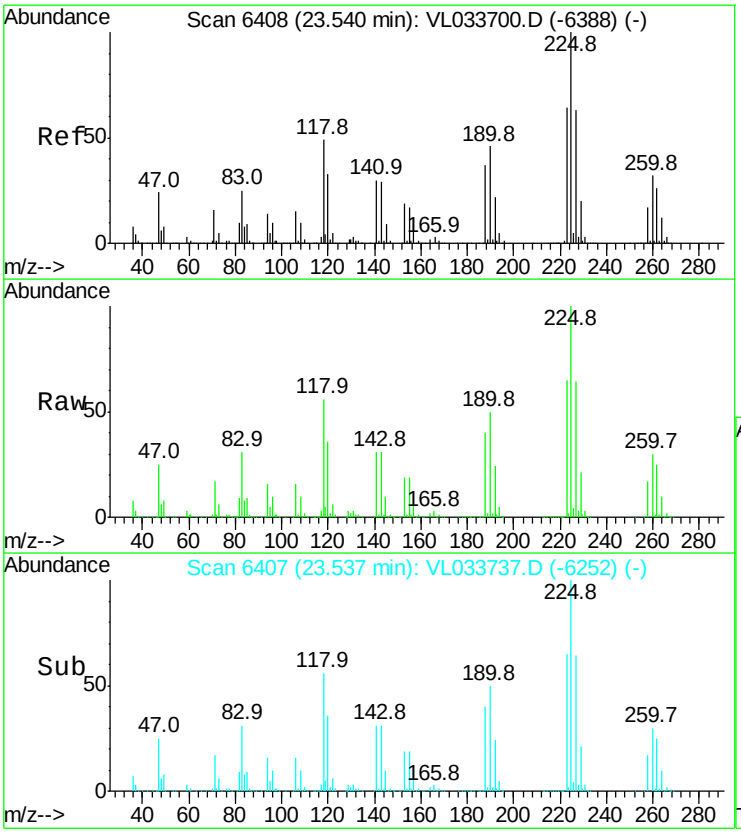
#77
1,2-Dichlorobenzene
Concen: 7.690 ppbv
RT: 17.98 min Scan# 4679
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1898194

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.5	70.5
148	63.8	32.1	96.3

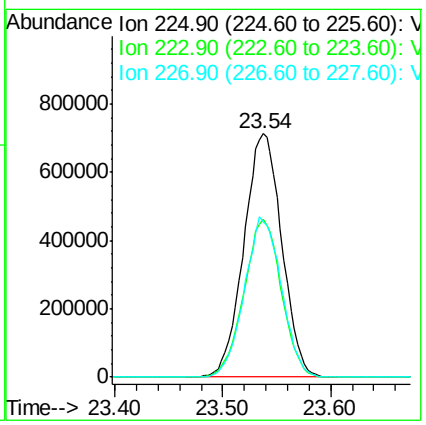


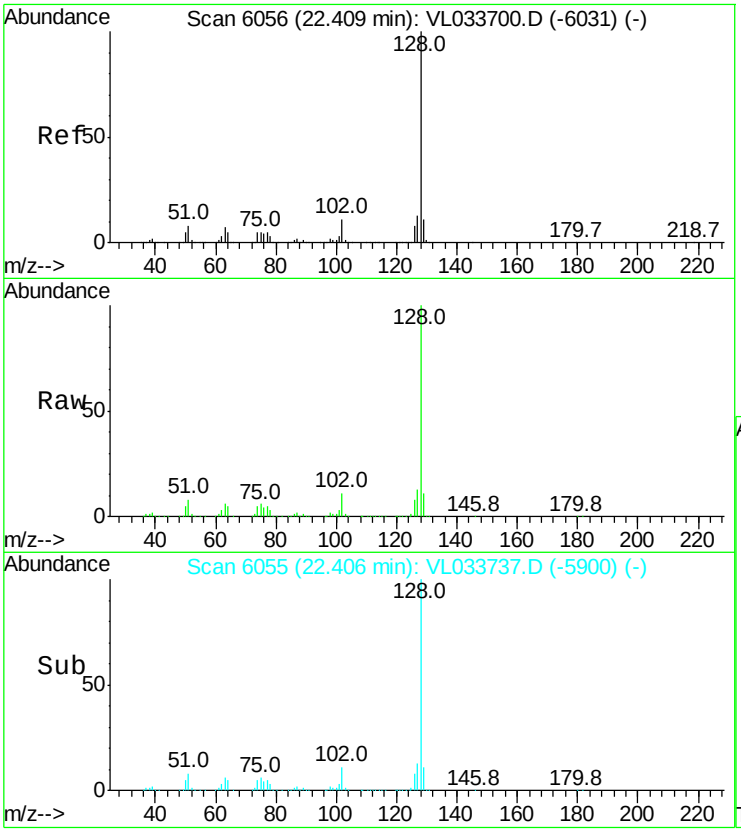


#78
Hexachloro-1,3-Butadiene
Concen: 9.316 ppbv
RT: 23.54 min Scan# 6407
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:225 Resp: 1738533

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.2	75.4
227	64.2	50.7	76.1



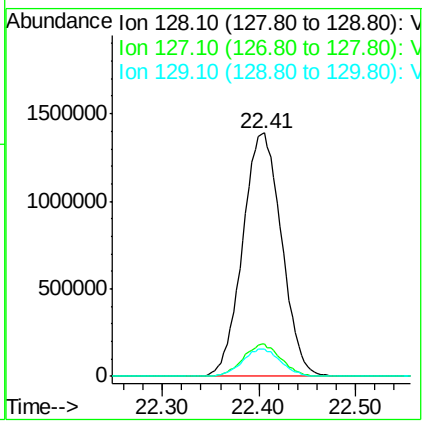


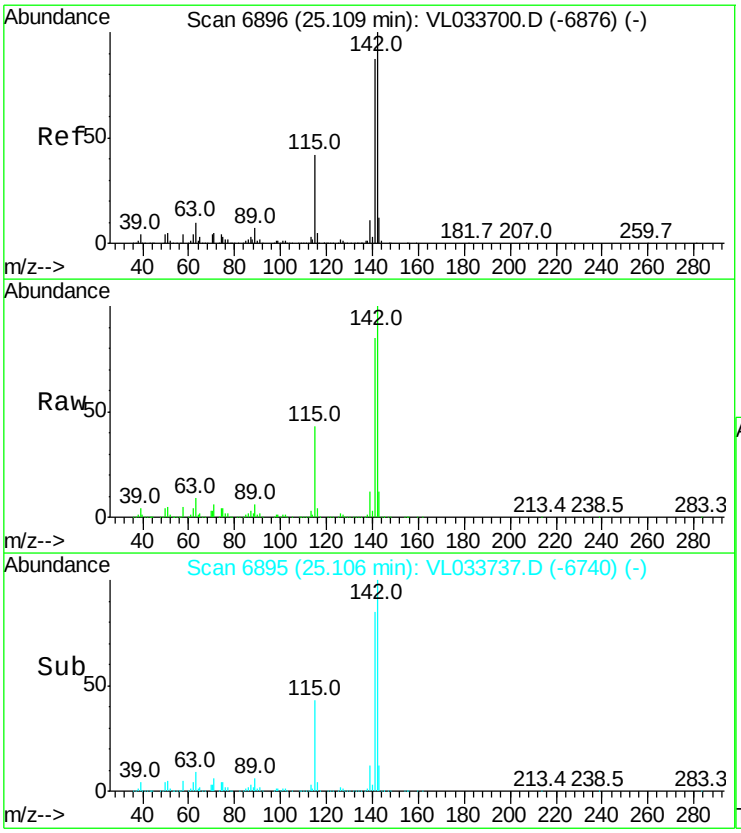
#79
Naphthalene
Concen: 9.747 ppbv
RT: 22.41 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 3881093

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	8.9	13.3

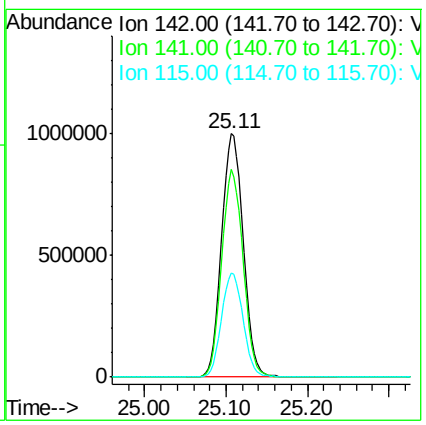


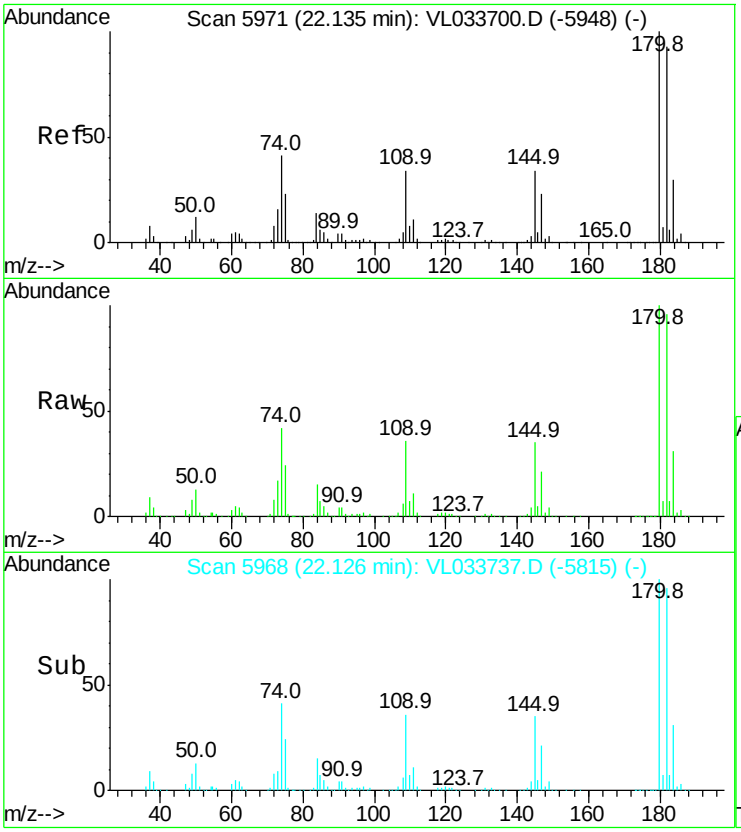


#80
Naphthalene,2-methyl-
Concen: 12.551 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Tgt Ion:142 Resp: 1898871

Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.2	100.8
115	42.5	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 8.593 ppbv
RT: 22.13 min Scan# 5968
Delta R.T. -0.01 min
Lab File: VL033737.D
Acq: 21 May 2019 8:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 2003541

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
184	31.1	24.6	37.0