Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL060719\
Data File : VL033881.D
Acq On : 7 Jun 2019 7:12
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jun 07 08:00:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 06:23:16 2019
QLast Update : Fri Jun 07 06:23:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1052239	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2448612	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2612992	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	2030923	9.46	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1366993	8.006	ppbv	99
3) Chlorodifluoromethane	3.01	51	1090002	8.799	ppbv	100
4) Chloromethane	3.16	50	636418	9.007	ppbv	99
5) Vinyl Chloride	3.28	62	641008	9.778	ppbv	97
6) Bromomethane	3.51	94	403763	9.270	ppbv	95
7) Chloroethane	3.59	64	241544	9.316	ppbv	98
8) Dichlorotetrafluoroethane	3.21	85	1639248	8.983	ppbv	99
9) Propene	3.03	41	465584	10.045	ppbv	99
10) Heptane	8.24	43	1336551	11.408	ppbv	98
11) Trichlorofluoromethane	3.99	101	1931628	8.768	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1423795	9.562	ppbv	99
13) Ethanol	3.64	45	88455	5.461	ppbv	97
14) Bromoethene	3.78	108	540761	9.746	ppbv	99
15) Acetone	3.89	43	1221208	7.958	ppbv	99
16) 1,3-Butadiene	3.35	39	563837	9.653	ppbv	97
17) tert-Butyl alcohol	4.35	59	1010048	8.419	ppbv	100
18) 1,1-Dichloroethene	4.34	96	581055	9.239	ppbv	98
19) Isopropyl Alcohol	4.01	45	717552	8.185	ppbv	100
20) Methylene Chloride	4.40	84	491117	8.206	ppbv	99
21) Allyl Chloride	4.47	41	923031	10.588	ppbv	98
22) trans-1,2-Dichloroethene	4.95	96	658241	9.929	ppbv	99
23) Vinyl Acetate	5.15	43	2006675	11.250	ppbv	99
24) 1,1-Dichloroethane	5.08	63	1410771	10.168	ppbv	100
25) Ethyl Acetate	5.76	43	2395581	10.250	ppbv	100
26) Hexane	5.77	57	1062201	9.982	ppbv	98
27) Carbon Disulfide	4.61	76	1586809	10.733	ppbv	98
28) Methyl tert-Butyl Ether	5.10	73	1880758	11.688	ppbv	100
29) Chloroform	5.84	83	1813677	9.952	ppbv	99
30) Cyclohexane	7.24	84	868746	11.555	ppbv	98
31) cis-1,2-Dichloroethene	5.63	61	1087018	11.649	ppbv	99
32) 1,1,1-Trichloroethane	6.61	97	1901292	10.815	ppbv	99
34) 2-Butanone	5.32	43	1581333	11.448	ppbv	99
35) Carbon Tetrachloride	7.12	117	1994120	10.541	ppbv	99
36) Benzene	6.99	78	2178475	11.647	ppbv	99
37) 1,2-Dichloroethane	6.40	62	1410517	10.197	ppbv	98
38) Trichloroethene	7.95	130	888920	12.206	ppbv	99
39) 1,2-Dichloropropane	7.72	63	805040	11.152	ppbv	94
40) 1,4-Dioxane	7.95	88	292856	9.946	ppbv	62
41) Tetrahydrofuran	6.13	42	861440	12.286	ppbv	99
42) Bromodichloromethane	7.91	83	1974647	10.682	ppbv	97
43) Methyl Methacrylate	8.13	69	864575	12.359	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL060719\
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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jun 07 08:00:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 06:23:16 2019
QLast Update : Fri Jun 07 06:23:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3617601	10.876	ppbv		100
45) t-1,3-Dichloropropene	9.41	75	1183359	12.892	ppbv		98
46) cis-1,3-Dichloropropene	8.82	75	1340941	12.751	ppbv		97
47) 1,1,2-Trichloroethane	9.61	97	896810	10.421	ppbv		99
48) Dibromochloromethane	10.44	129	1688484	10.917	ppbv		96
49) Bromoform	13.19	173	1541502	11.291	ppbv		98
50) 4-Methyl-2-Pentanone	8.86	43	2324342	11.284	ppbv		99
51) 2-Hexanone	10.26	43	1911369	11.883	ppbv	#	100
52) Tetrachloroethene	11.36	164	841603	12.787	ppbv		98
53) Toluene	9.93	91	2549943	12.319	ppbv		100
54) 1,2-Dibromoethane	10.75	107	1444842	11.137	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.27	131	1151312	10.086	ppbv		98
57) Chlorobenzene	12.29	112	1987351	10.155	ppbv		98
58) Ethyl Benzene	12.85	91	3561594	12.090	ppbv		99
59) m/p-Xylene	13.14	91	3112184	11.617	ppbv	#	38
60) o-Xylene	13.84	91	2979035	10.770	ppbv		100
61) Styrene	13.67	104	2192878	12.251	ppbv		99
62) Isopropylbenzene	14.81	105	4011969	10.762	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2094364	10.059	ppbv		99
64) n-propylbenzene	15.71	120	1050318	11.002	ppbv		98
65) tert-Butylbenzene	16.90	119	3775450	10.945	ppbv		100
66) Benzyl Chloride	17.15	91	2000331	11.443	ppbv		99
67) sec-Butylbenzene	17.44	105	5270134	10.890	ppbv		100
69) p-Isopropyltoluene	17.80	119	4367647	10.847	ppbv		100
70) n-Butylbenzene	18.70	91	4531709	10.276	ppbv		100
71) 2-Chlorotoluene	15.61	91	3097276	11.277	ppbv		98
72) 4-Ethyltoluene	15.99	105	3598940	11.434	ppbv		99
73) 1,3,5-Trimethylbenzene	16.15	105	3459372	11.157	ppbv		97
74) 1,2,4-Trimethylbenzene	16.91	105	3662328	10.248	ppbv		96
75) 1,3-Dichlorobenzene	17.15	146	2107836	9.419	ppbv		100
76) 1,4-Dichlorobenzene	17.29	146	2089190	10.167	ppbv		100
77) 1,2-Dichlorobenzene	17.98	146	1997528	9.672	ppbv		99
78) Hexachloro-1,3-Butadiene	23.53	225	1175718	7.289	ppbv		99
79) Naphthalene	22.39	128	2637844	9.235	ppbv		100
80) Naphthalene,2-methyl-	25.10	142	910947	7.993	ppbv	#	93
81) 1,2,4-Trichlorobenzene	22.12	180	1569661	8.704	ppbv		100

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

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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
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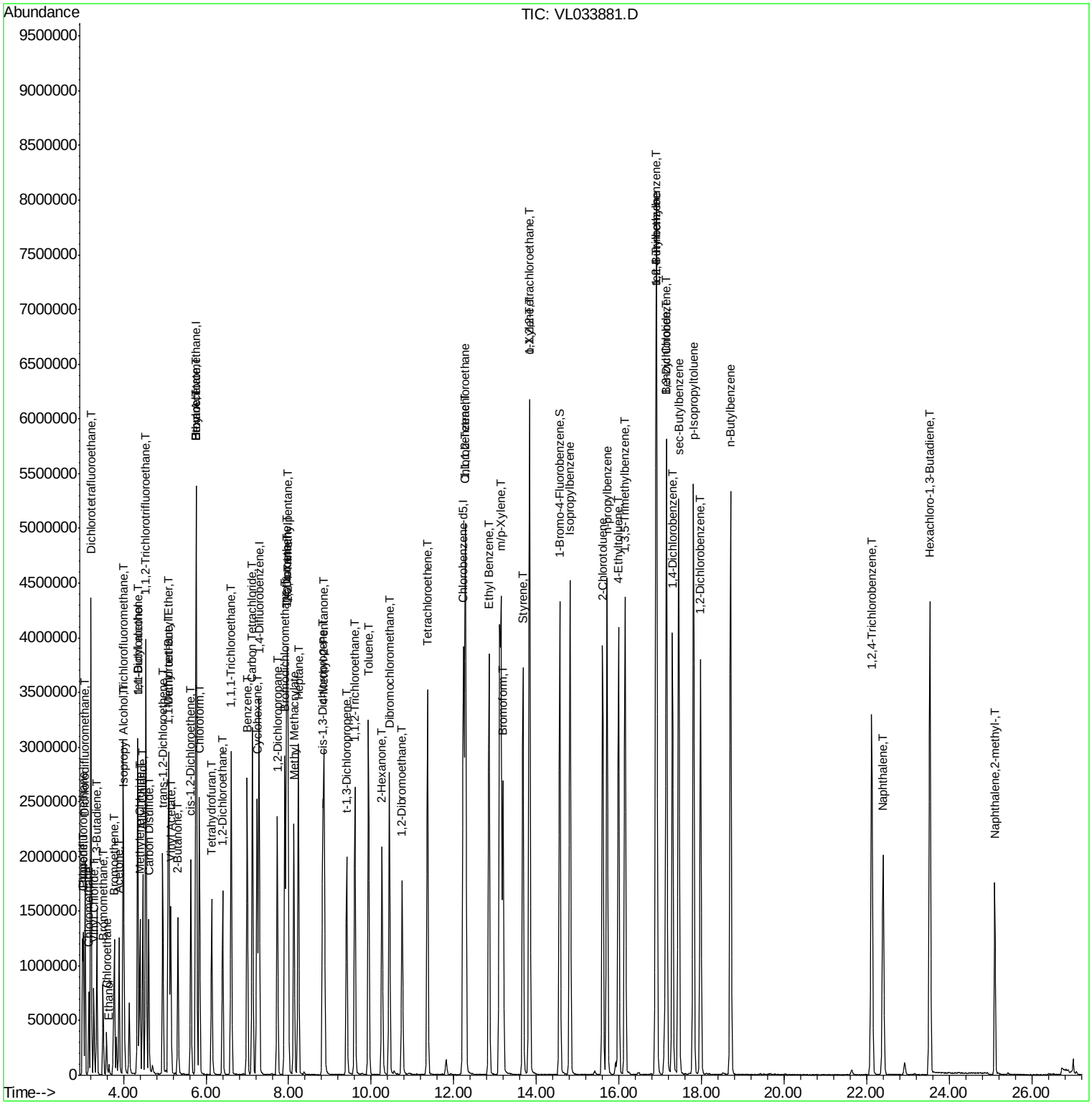
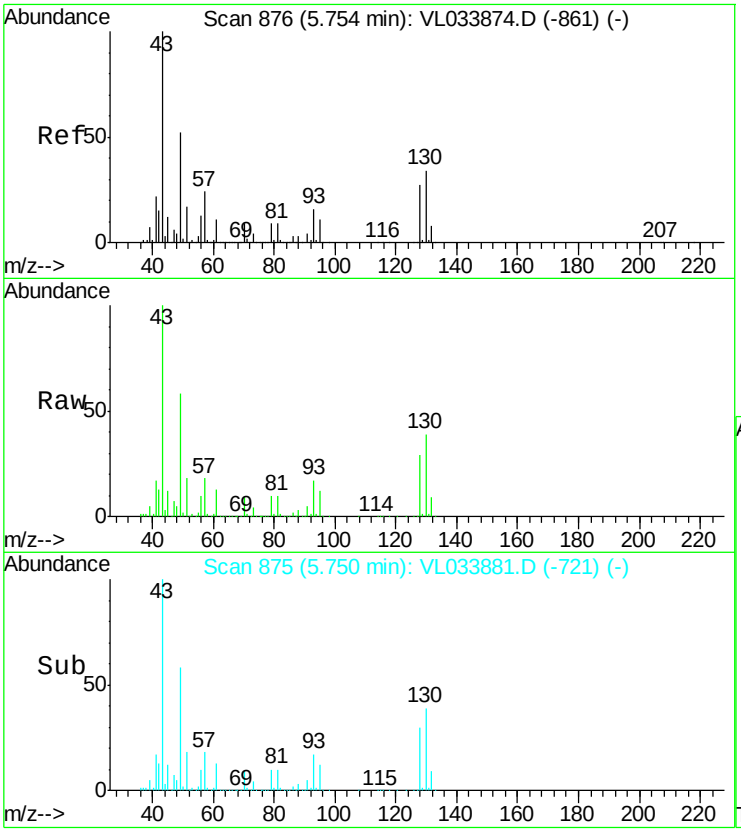
Quant Time: Jun 07 08:00:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 06:23:16 2019
QLast Update : Fri Jun 07 06:23:16 2019
Response via : Initial Calibration



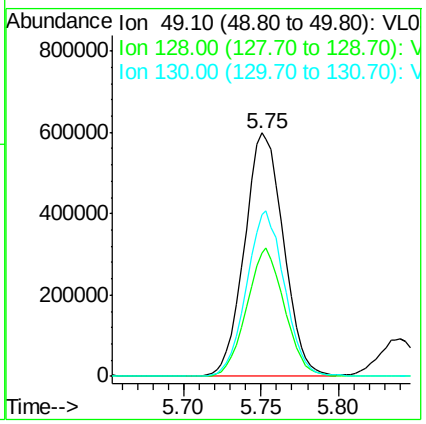


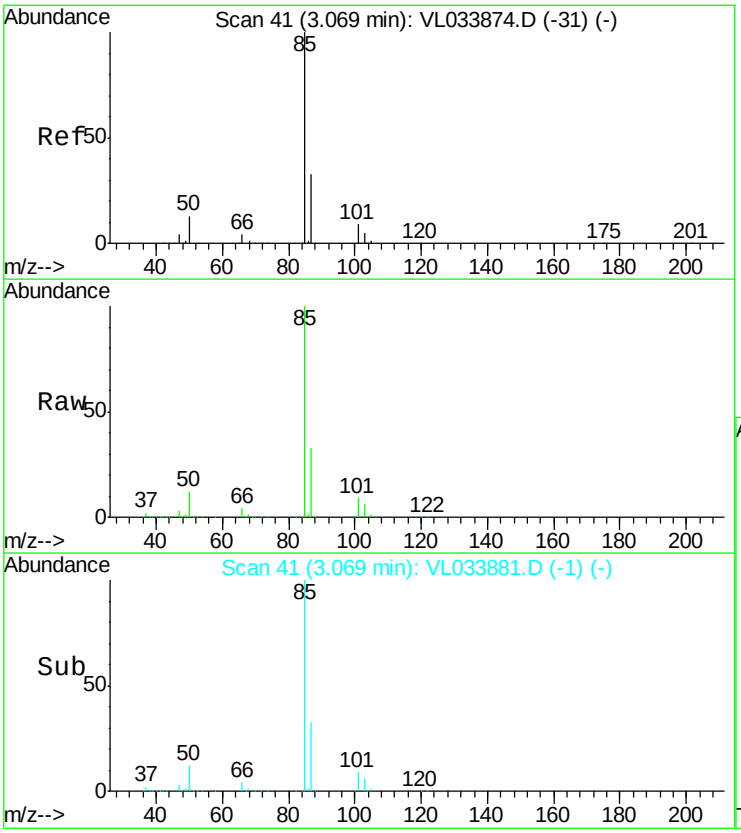
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1052239

Ion	Ratio	Lower	Upper
49	100		
128	51.0	25.5	76.5
130	66.0	32.5	97.4

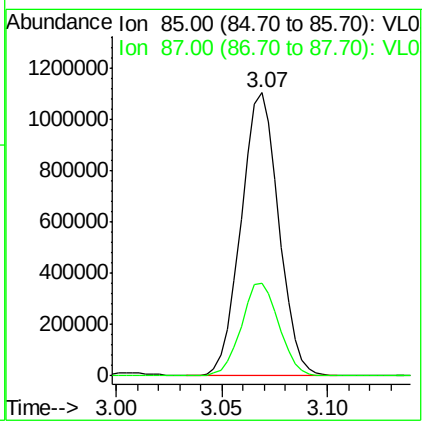


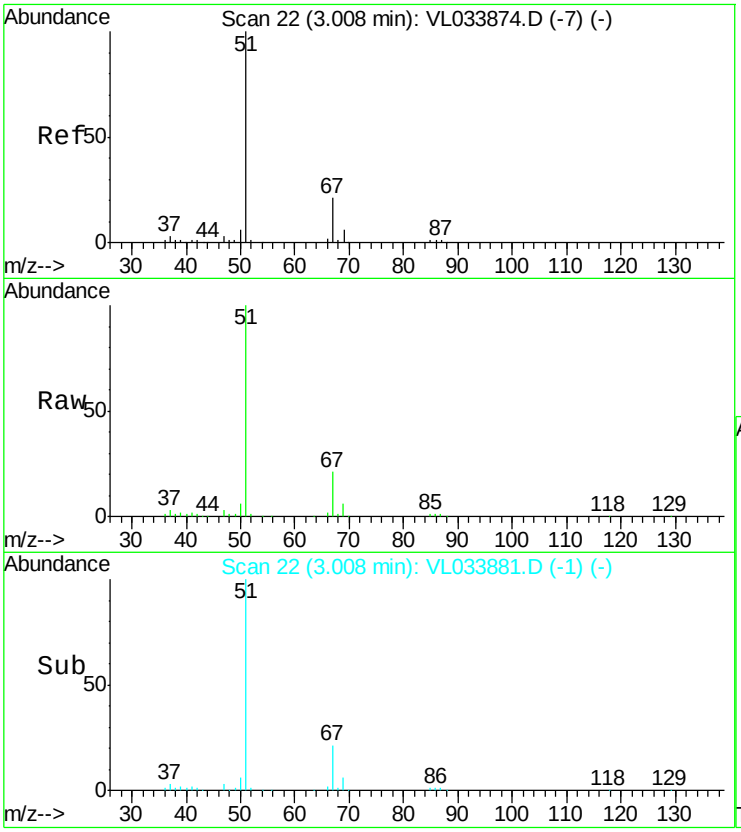


#2
Dichlorodifluoromethane
Concen: 8.006 ppbv
RT: 3.07 min Scan# 41
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 85 Resp: 1366993

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.6	40.0

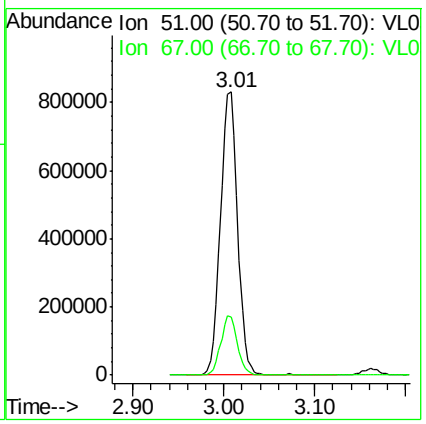




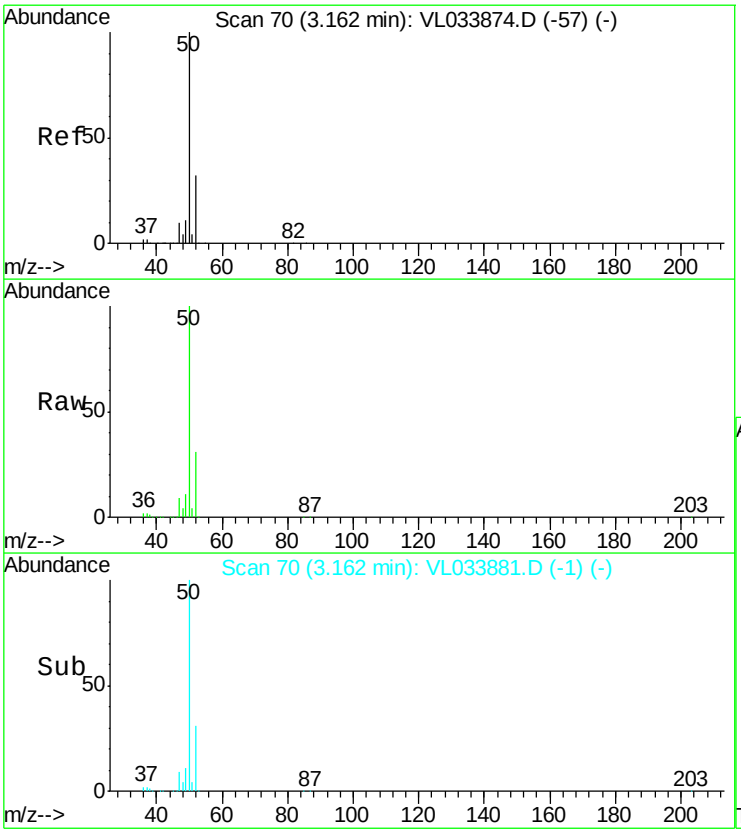
#3
Chlorodifluoromethane
Concen: 8.799 ppbv
RT: 3.01 min Scan# 22
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 51 Resp: 1090002

Ion	Ratio	Lower	Upper
51	100		
67	20.3	16.4	24.6



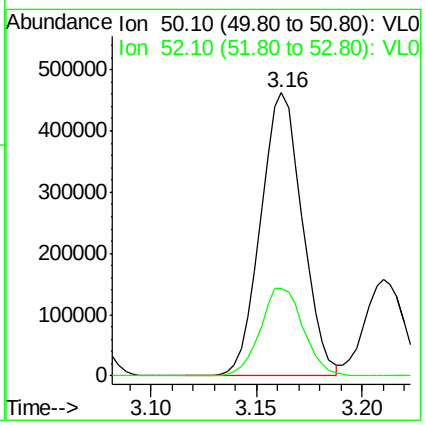
Instrument :
MSVOA_L
ClientSampleId :

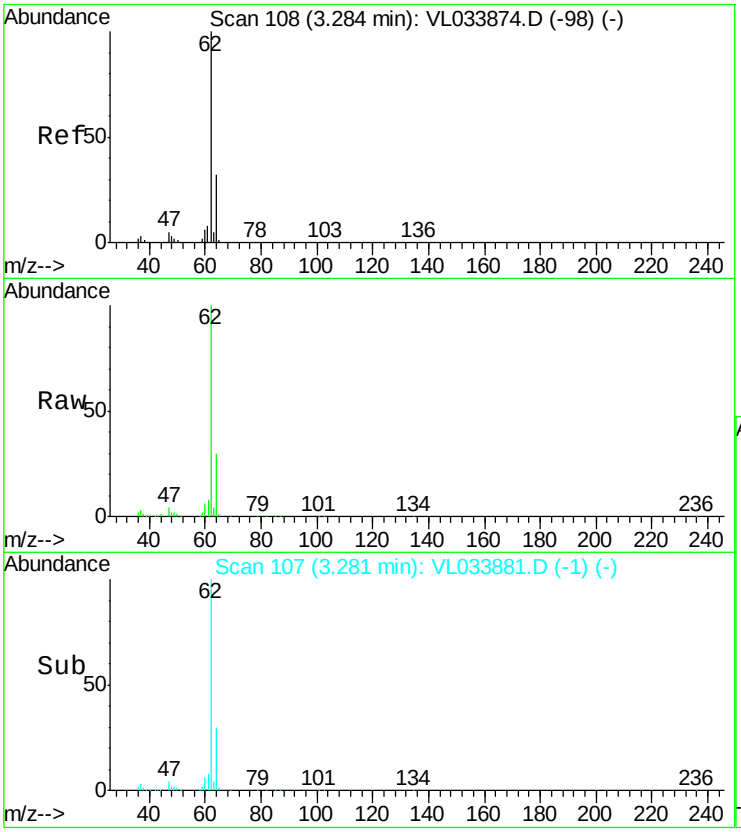


#4
Chloromethane
Concen: 9.007 ppbv
RT: 3.16 min Scan# 70
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 50 Resp: 636418

Ion	Ratio	Lower	Upper
50	100		
52	31.0	25.4	38.0



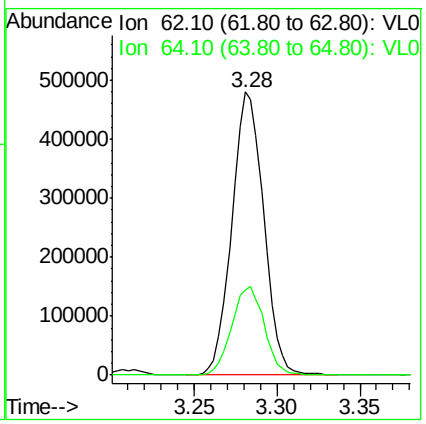


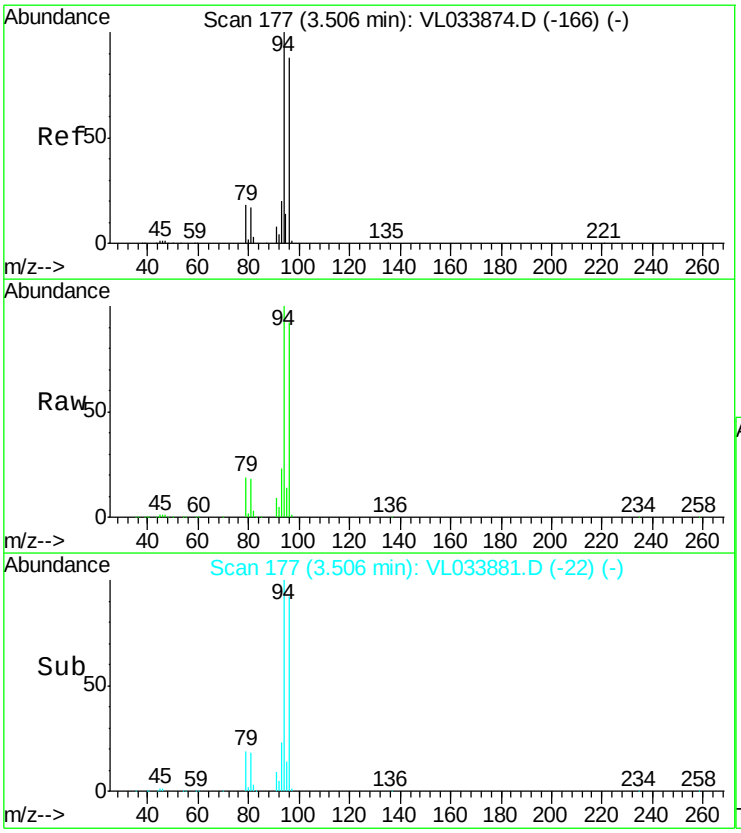
#5
Vinyl Chloride
Concen: 9.778 ppbv
RT: 3.28 min Scan# 107
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 641008

Ion	Ratio	Lower	Upper
62	100		
64	29.9	25.2	37.8

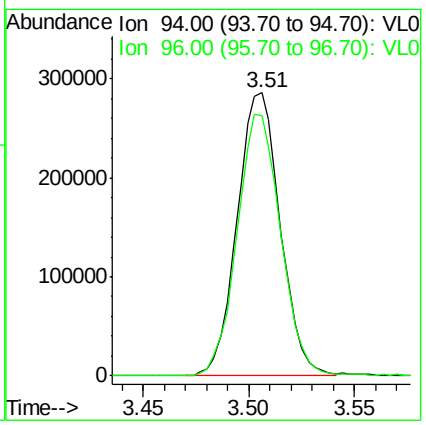


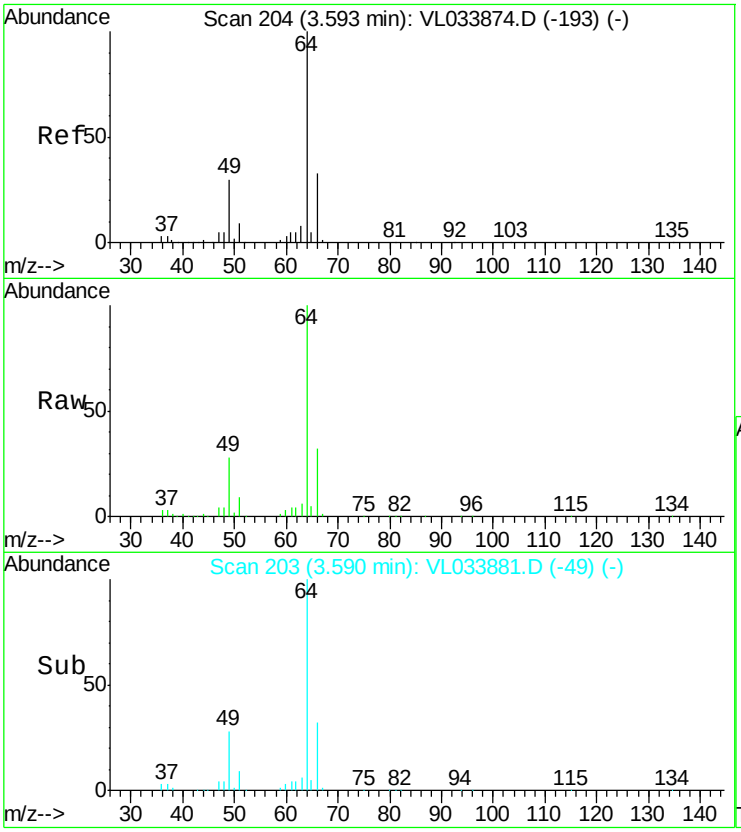


#6
Bromomethane
Concen: 9.270 ppbv
RT: 3.51 min Scan# 177
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 94 Resp: 403763

Ion	Ratio	Lower	Upper
94	100		
96	92.2	70.2	105.2



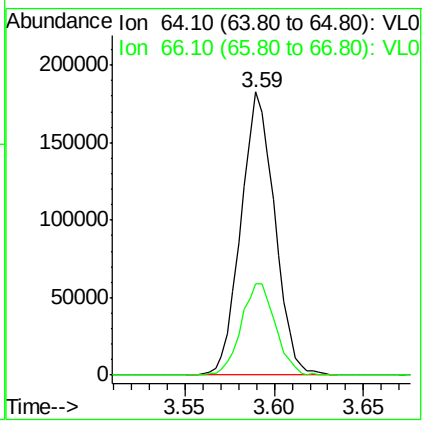


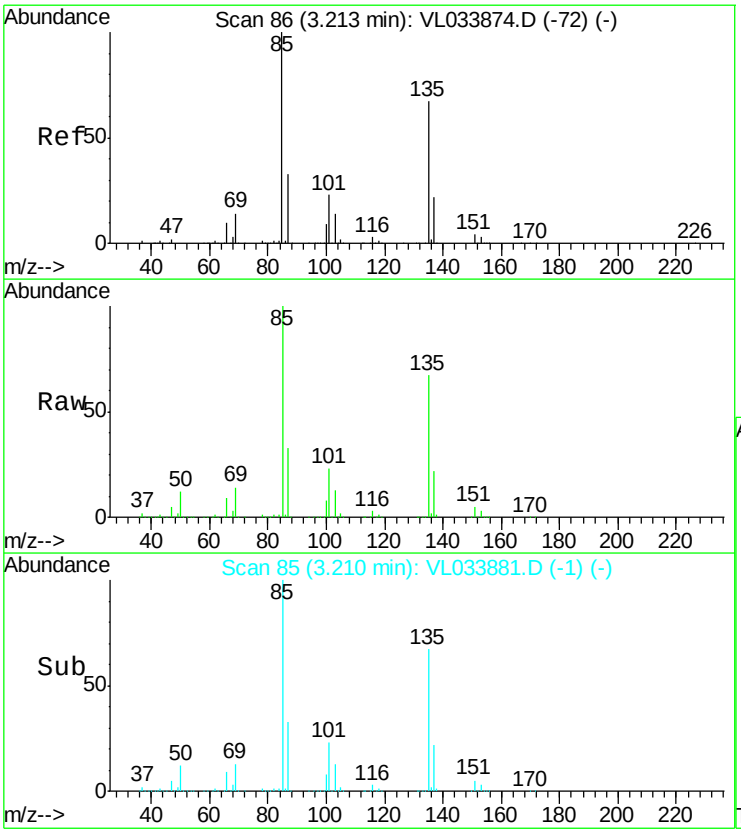
#7
Chloroethane
Concen: 9.316 ppbv
RT: 3.59 min Scan# 203
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 241544

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.7	40.1

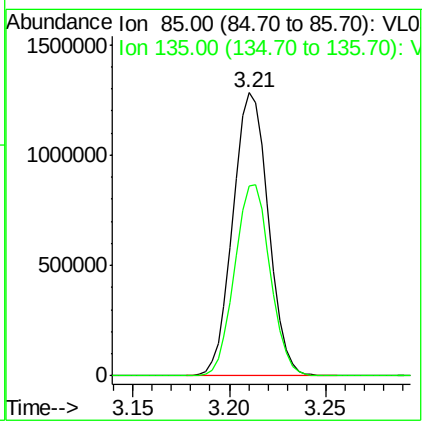


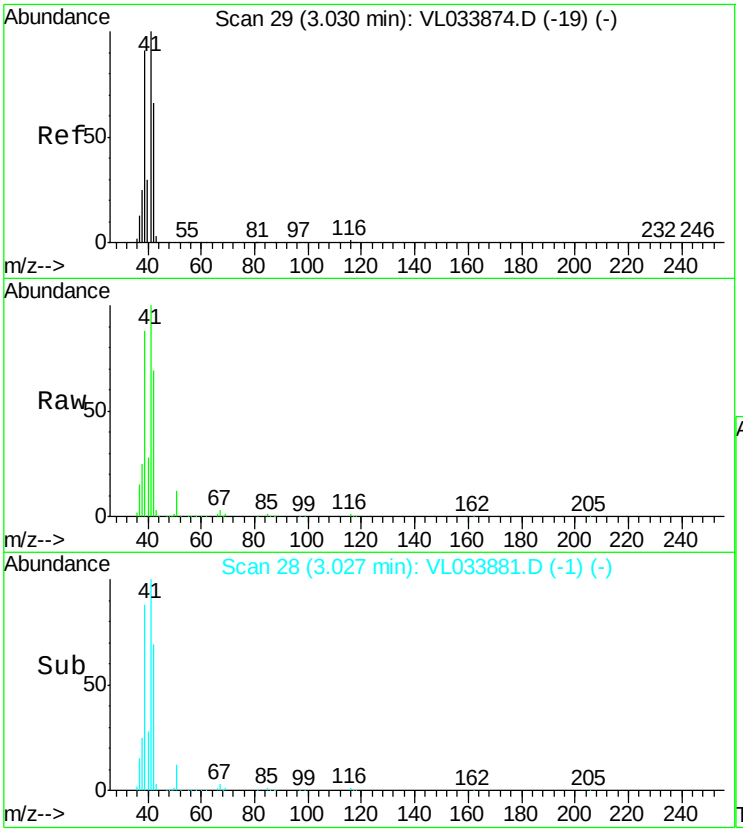


#8
Dichlorotetrafluoroethane
Concen: 8.983 ppbv
RT: 3.21 min Scan# 85
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 85 Resp: 1639248

Ion	Ratio	Lower	Upper
85	100		
135	67.7	53.7	80.5



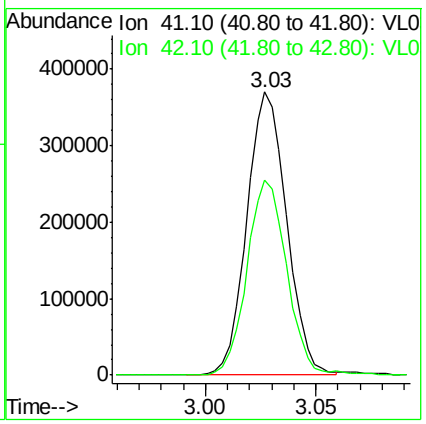


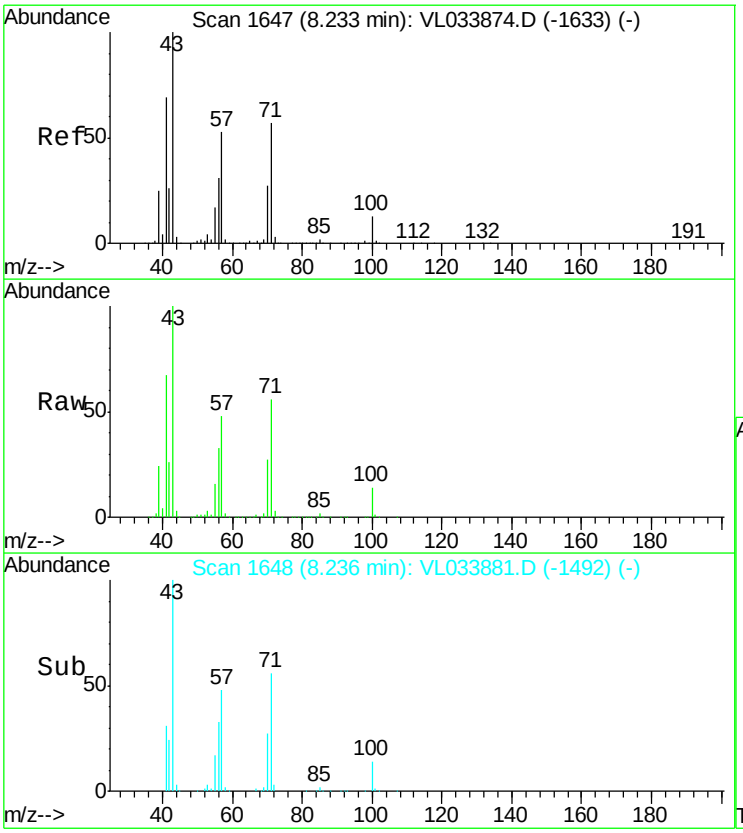
#9
Propene
Concen: 10.045 ppbv
RT: 3.03 min Scan# 28
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 465584

Ion	Ratio	Lower	Upper
41	100		
42	69.4	56.3	84.5

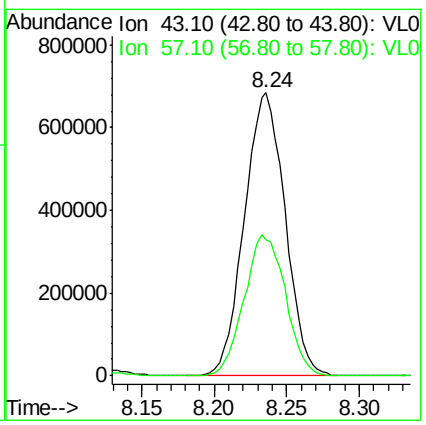


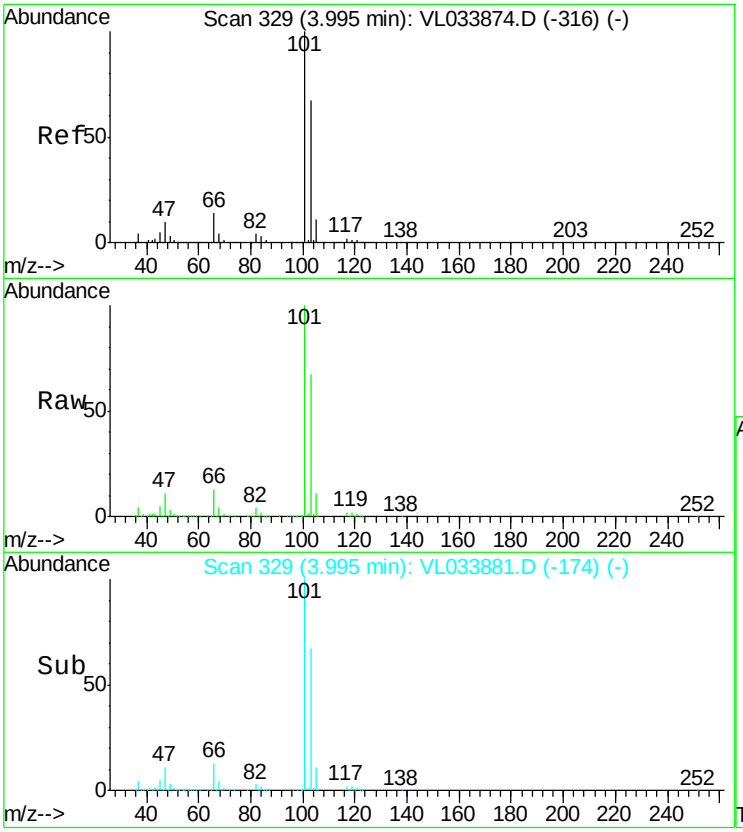


#10
Heptane
Concen: 11.408 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 43 Resp: 1336551

Ion	Ratio	Lower	Upper
43	100		
57	50.6	41.7	62.5



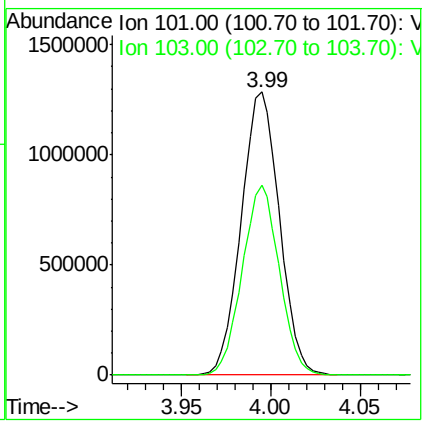


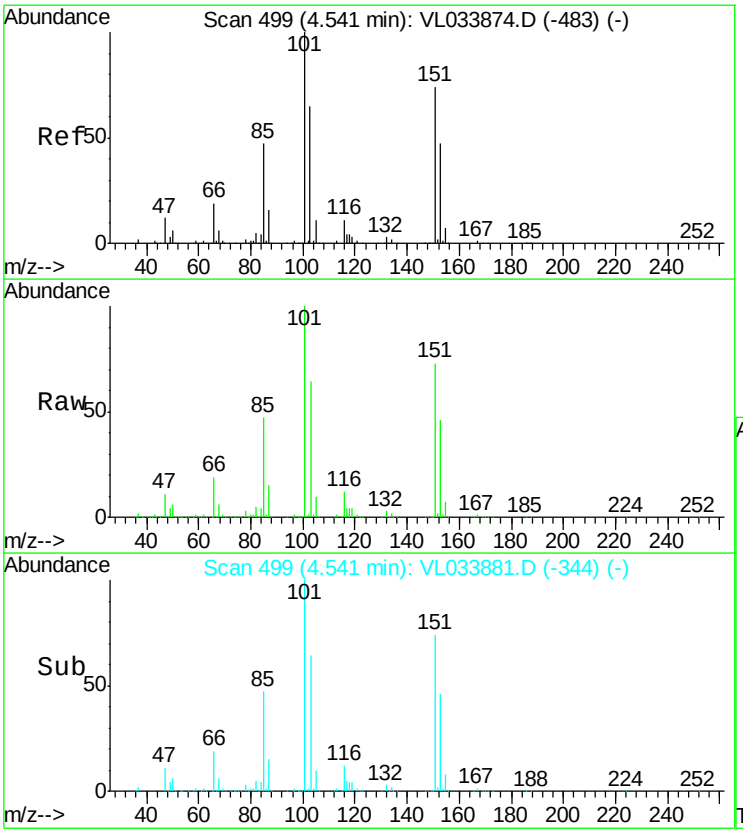
#11
Trichlorofluoromethane
Concen: 8.768 ppbv
RT: 3.99 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1931628

Ion	Ratio	Lower	Upper
101	100		
103	67.1	53.6	80.4

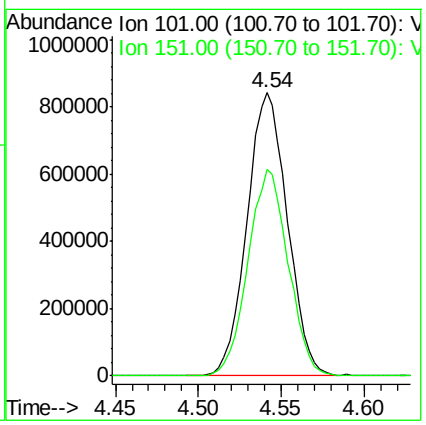


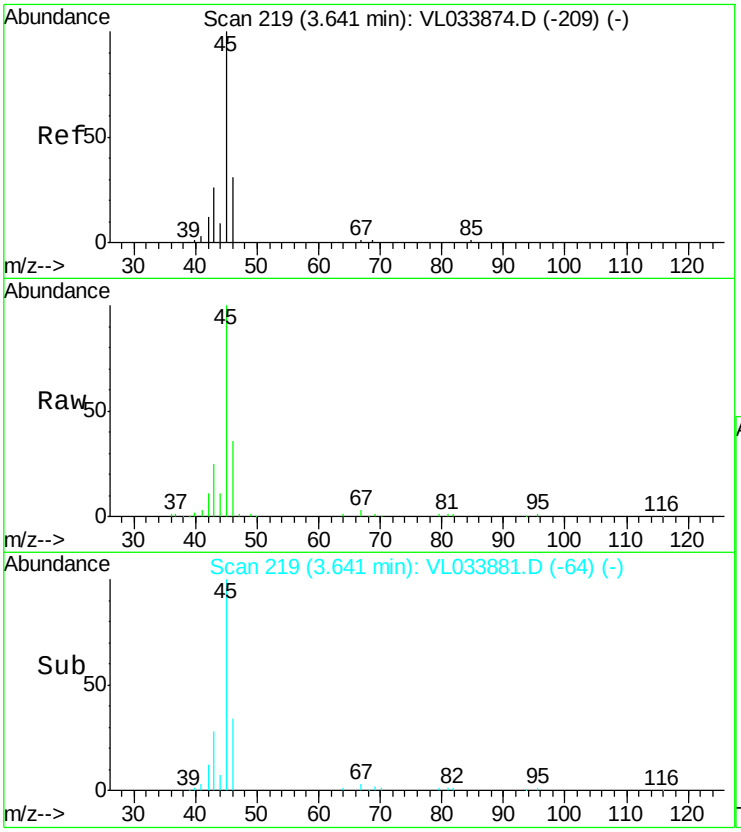


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.562 ppbv
RT: 4.54 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:101 Resp: 1423795

Ion	Ratio	Lower	Upper
101	100		
151	72.7	58.6	87.8



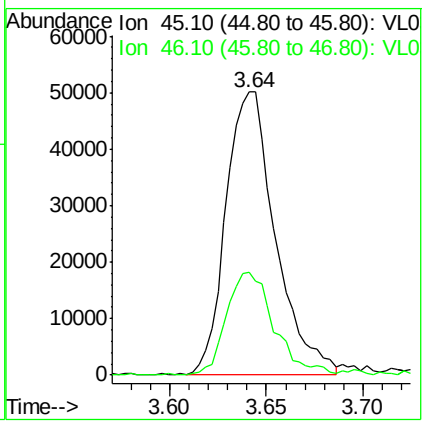


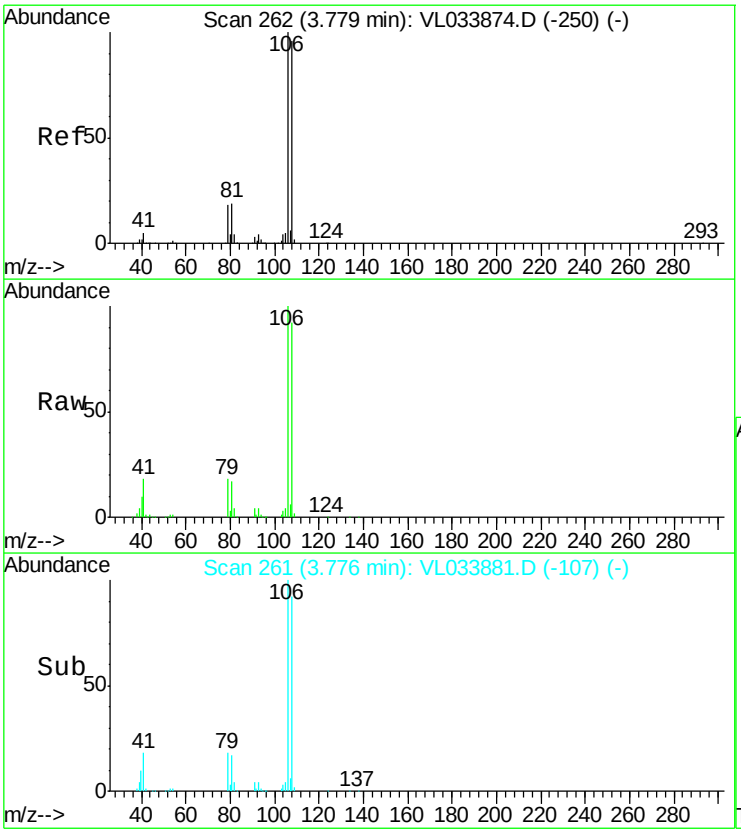
#13
Ethanol
Concen: 5.461 ppbv
RT: 3.64 min Scan# 219
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 88455

Ion	Ratio	Lower	Upper
45	100		
46	36.6	15.3	61.1

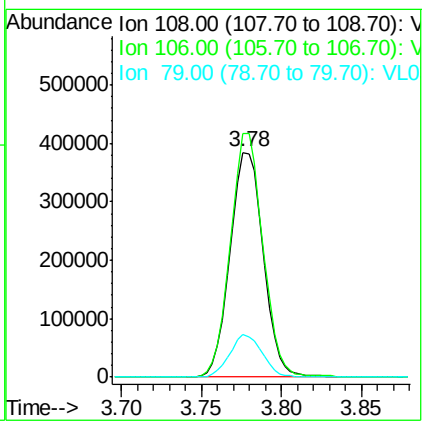


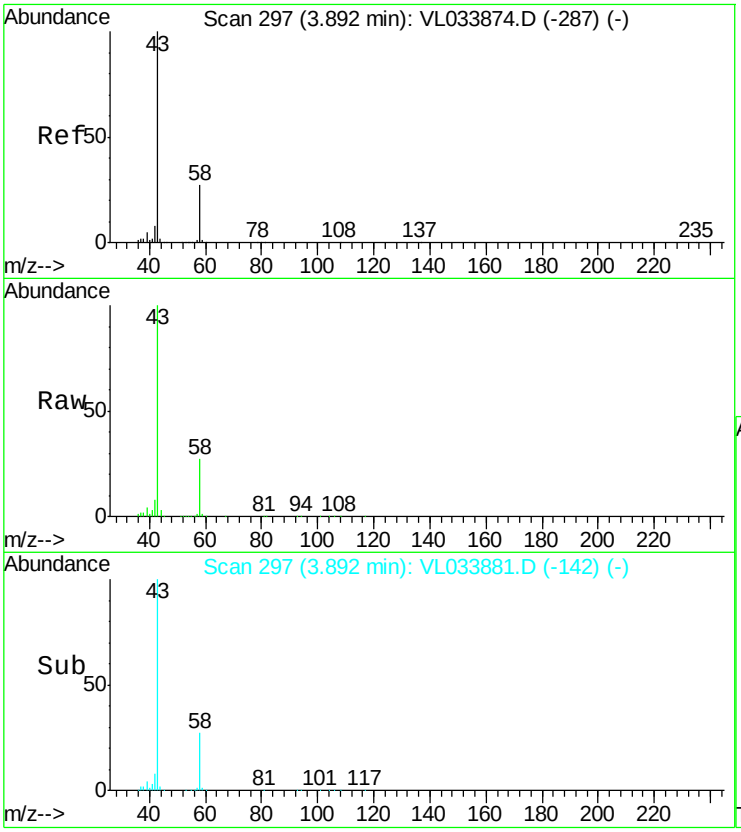


#14
Bromoethene
Concen: 9.746 ppbv
RT: 3.78 min Scan# 261
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:108 Resp: 540761

Ion	Ratio	Lower	Upper
108	100		
106	106.6	84.9	127.3
79	18.7	15.4	23.0



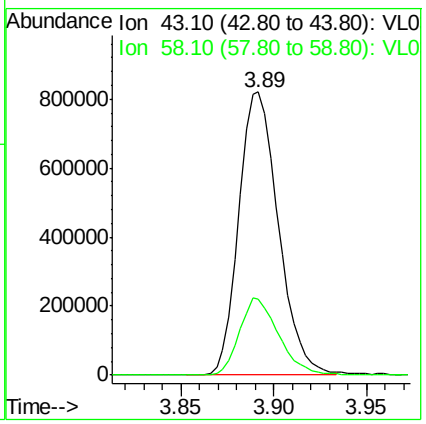


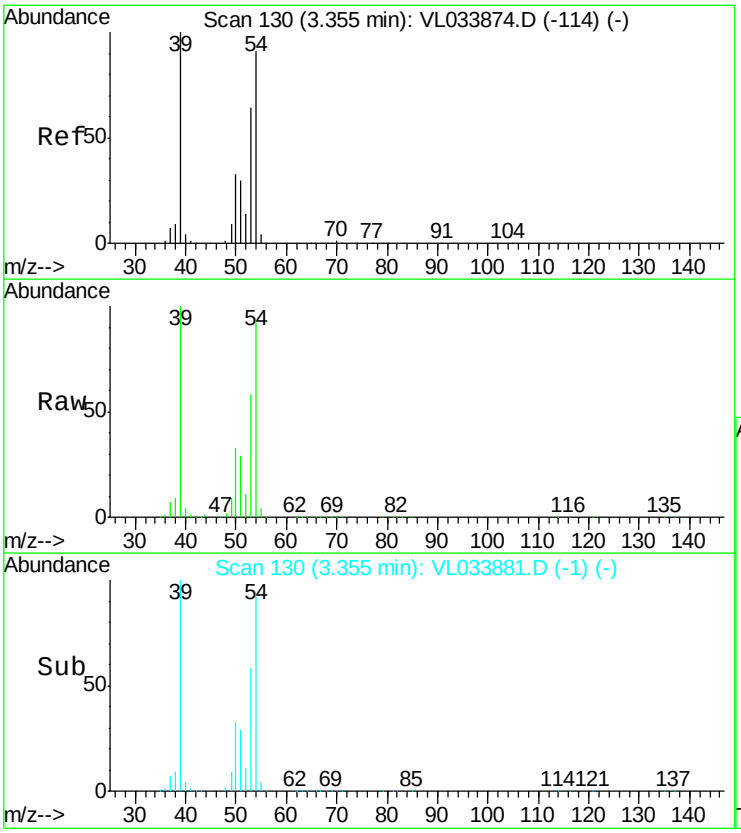
#15
Acetone
Concen: 7.958 ppbv
RT: 3.89 min Scan# 297
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1221208

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.3	31.9

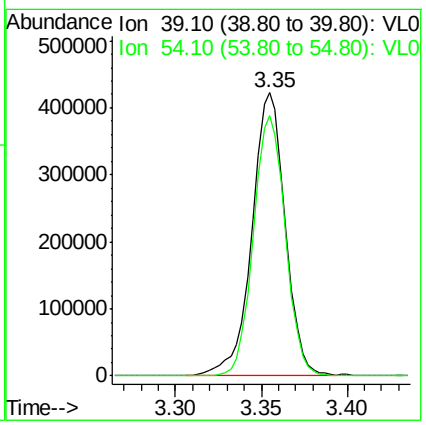


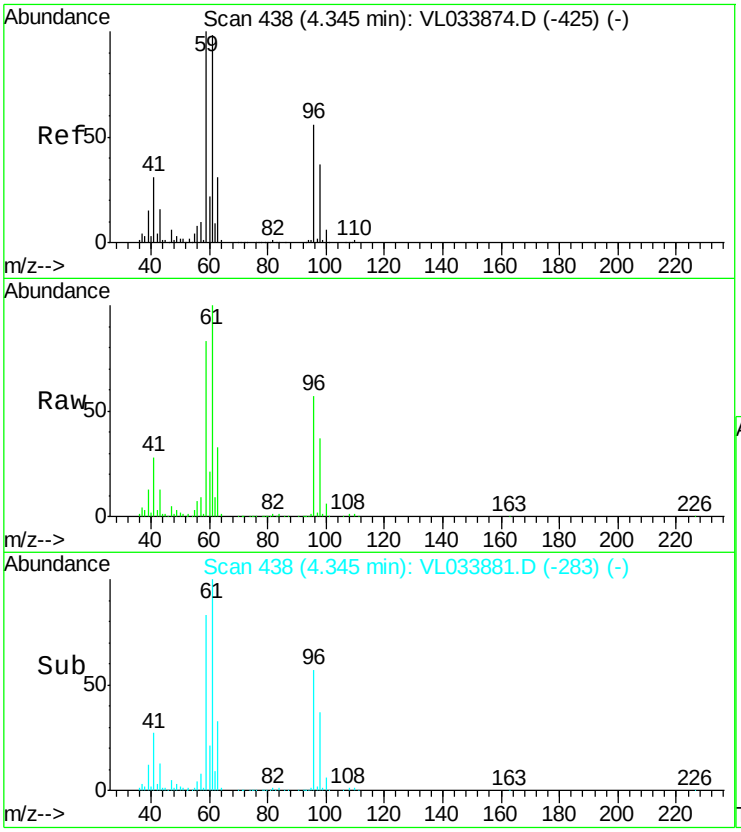


#16
1,3-Butadiene
Concen: 9.653 ppbv
RT: 3.35 min Scan# 130
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 39 Resp: 563837

Ion	Ratio	Lower	Upper
39	100		
54	88.5	68.6	103.0



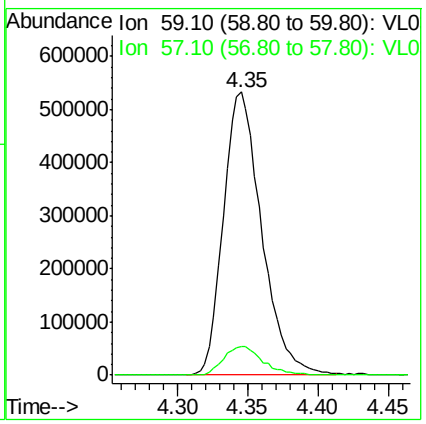


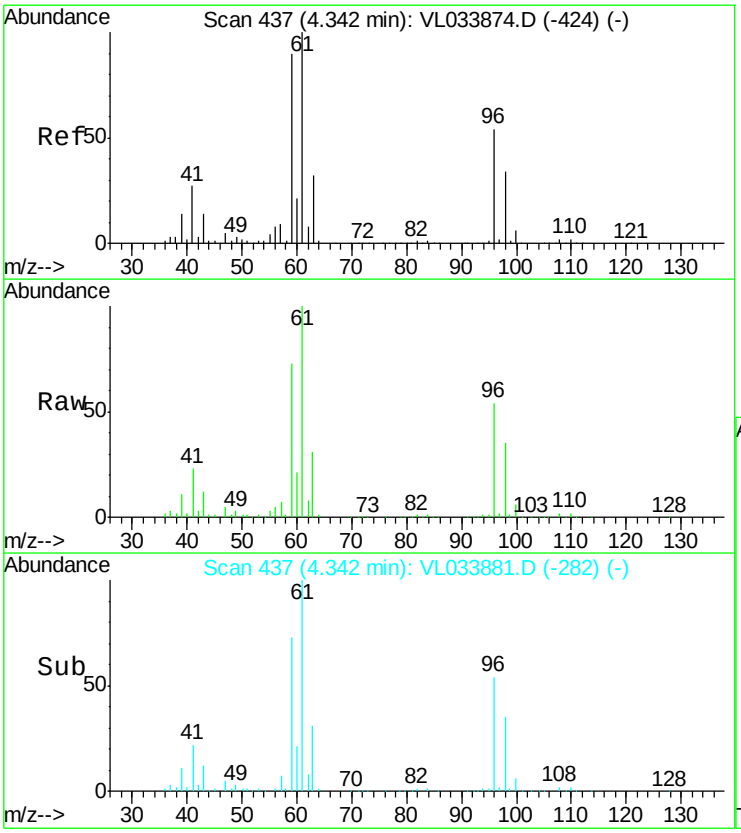
#17
tert-Butyl alcohol
Concen: 8.419 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1010048

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

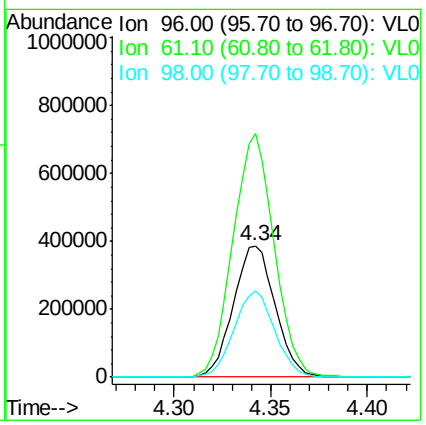


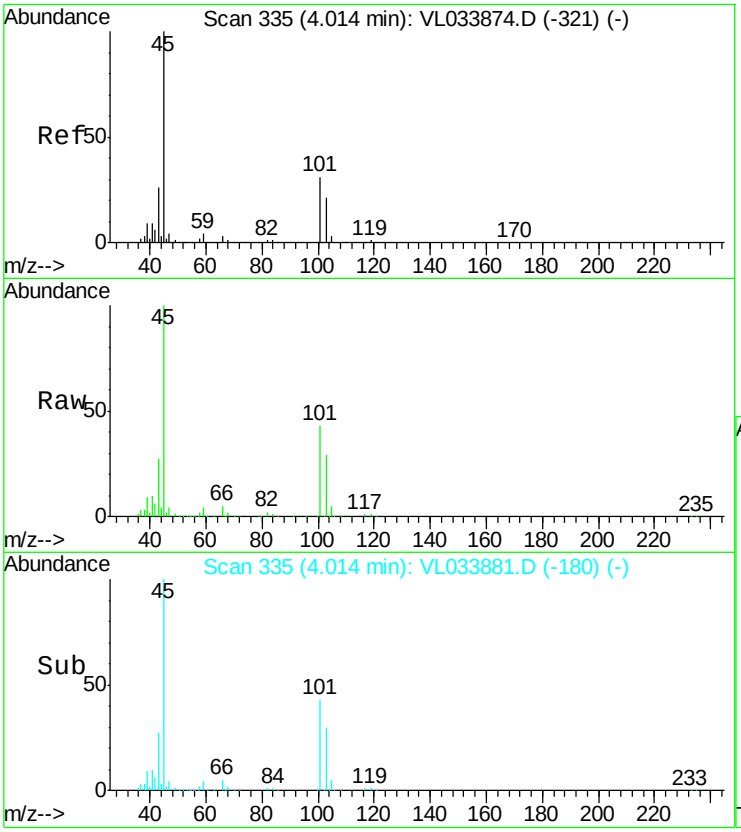


#18
1,1-Dichloroethene
Concen: 9.239 ppbv
RT: 4.34 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 96 Resp: 581055

Ion	Ratio	Lower	Upper
96	100		
61	184.9	147.0	220.6
98	65.3	49.4	74.0



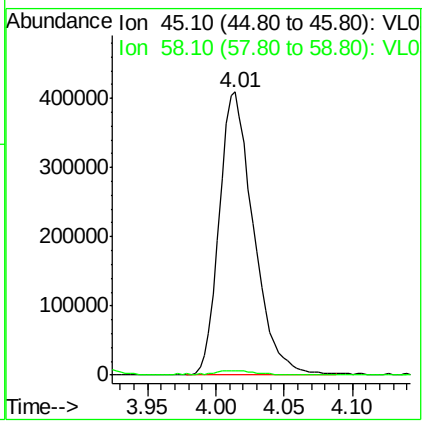


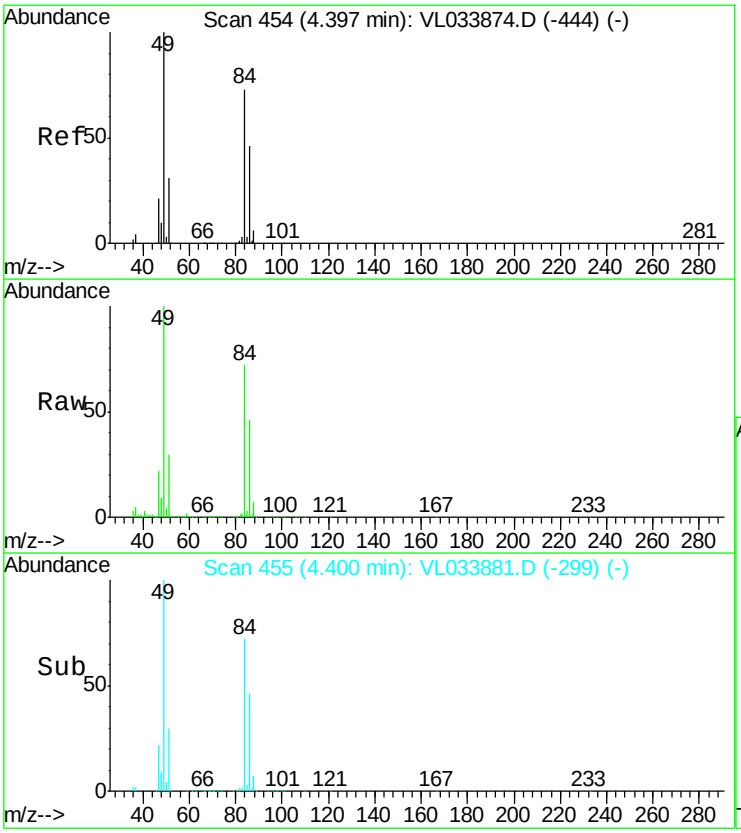
#19
Isopropyl Alcohol
Concen: 8.185 ppbv
RT: 4.01 min Scan# 335
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 717552

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.8	2.6

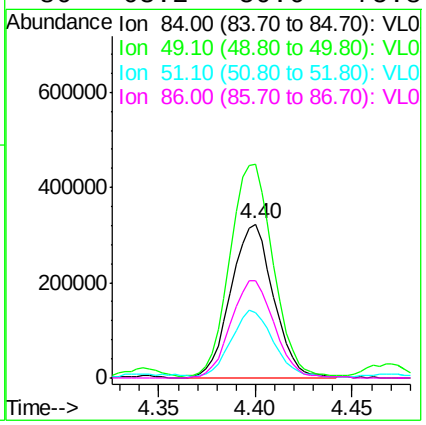


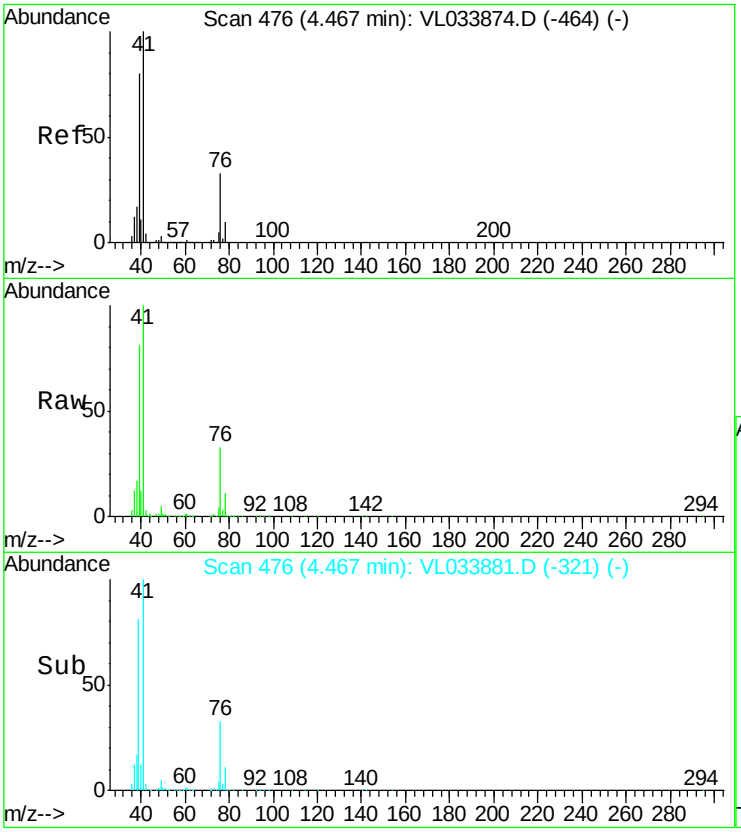


#20
Methylene Chloride
Concen: 8.206 ppbv
RT: 4.40 min Scan# 455
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 84 Resp: 491117

Ion	Ratio	Lower	Upper
84	100		
49	137.4	110.0	165.0
51	41.0	34.6	51.8
86	63.2	50.6	75.8



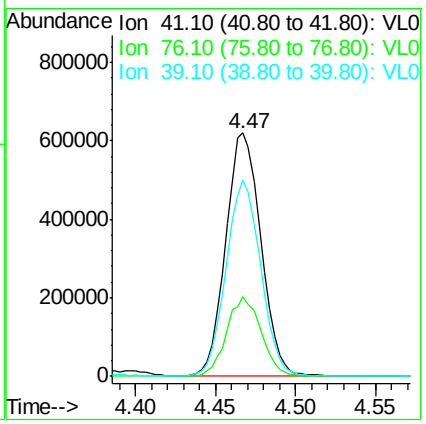


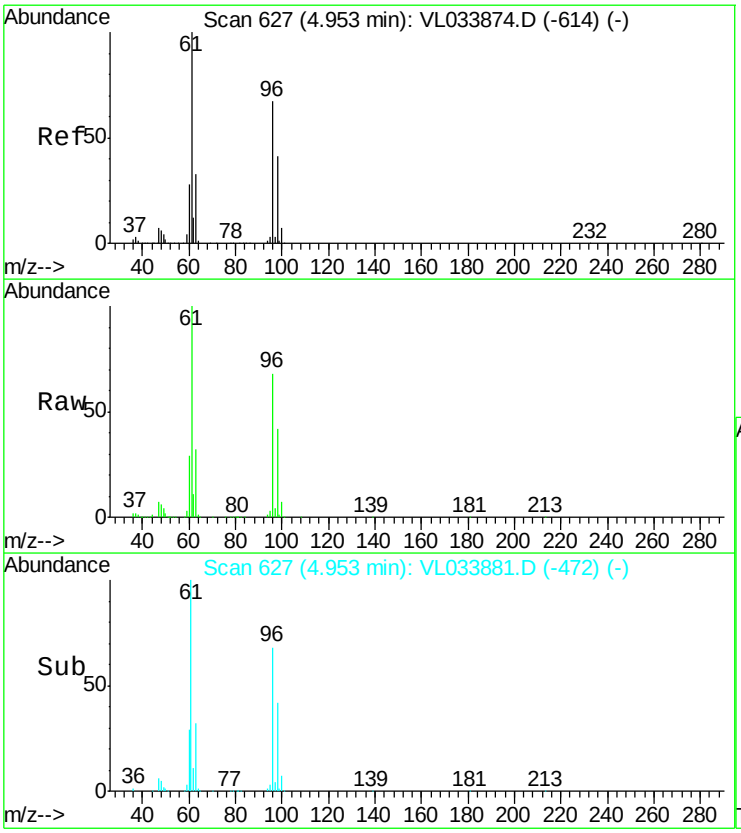
#21
Allvl Chloride
Concen: 10.588 ppbv
RT: 4.47 min Scan# 476
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 923031

Ion	Ratio	Lower	Upper
41	100		
76	32.3	26.6	39.8
39	80.2	65.2	97.8

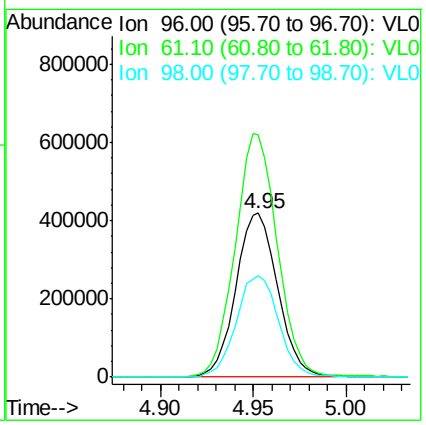


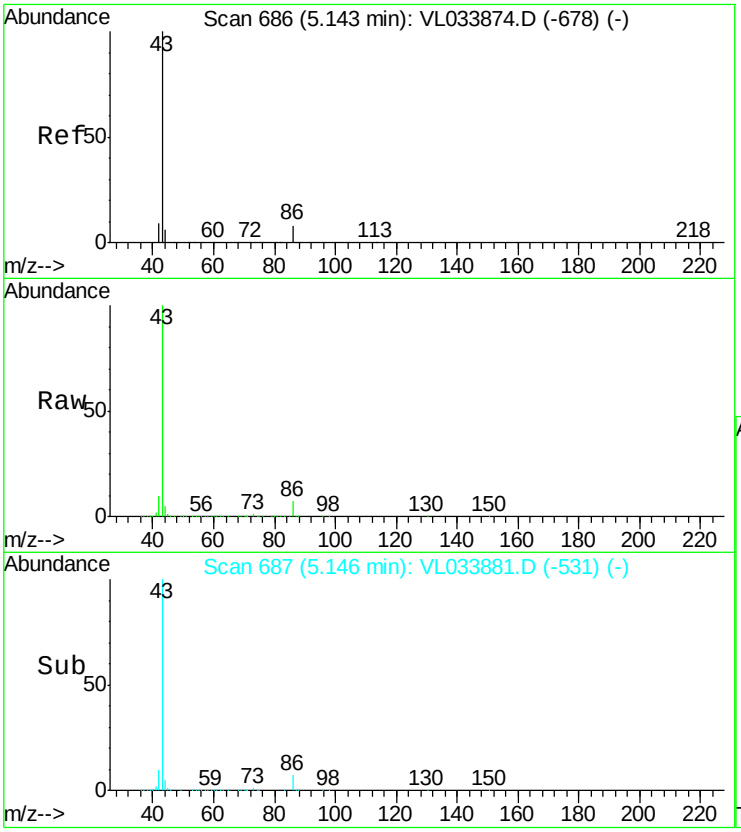


#22
trans-1,2-Dichloroethene
Concen: 9.929 ppbv
RT: 4.95 min Scan# 627
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 96 Resp: 658241

Ion	Ratio	Lower	Upper
96	100		
61	147.7	119.0	178.6
98	61.7	48.3	72.5



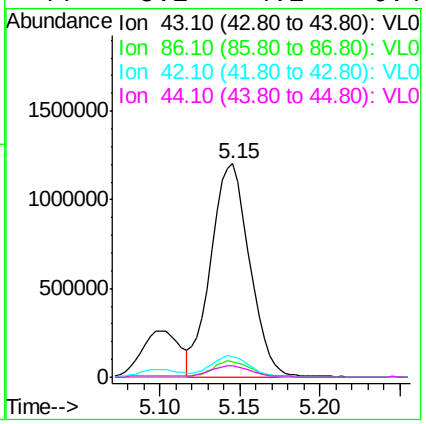


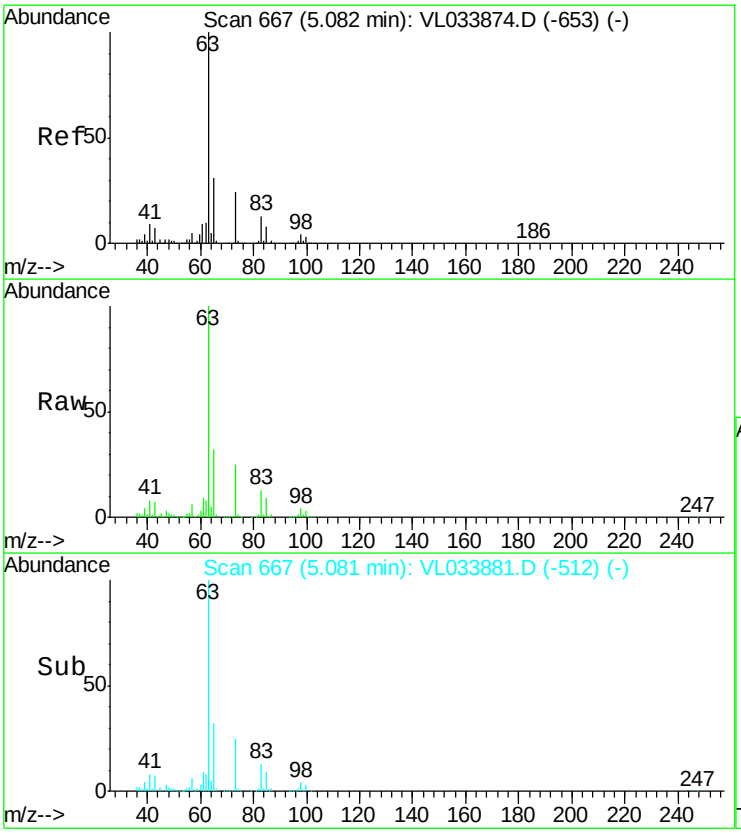
#23
Vinyl Acetate
Concen: 11.250 ppbv
RT: 5.15 min Scan# 687
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2006675

Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.8	8.8
42	9.6	7.8	11.8
44	5.2	4.2	6.4

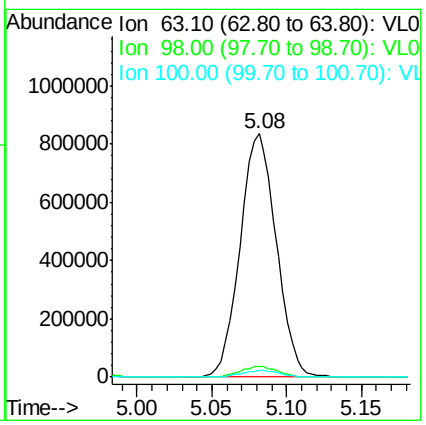


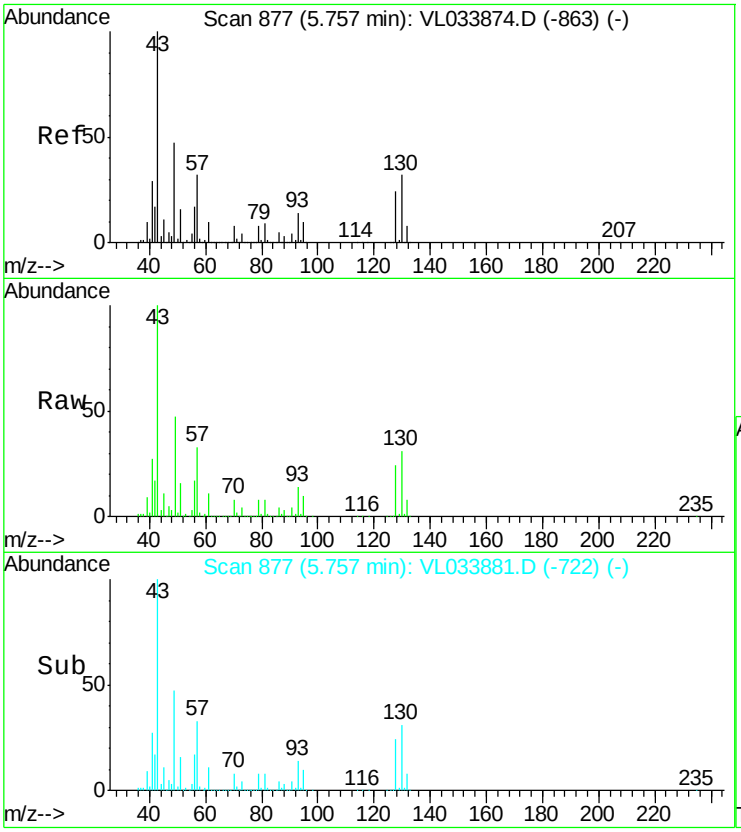


#24
1,1-Dichloroethane
Concen: 10.168 ppbv
RT: 5.08 min Scan# 667
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 63 Resp: 1410771

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.2	6.6
100	2.7	1.3	3.8



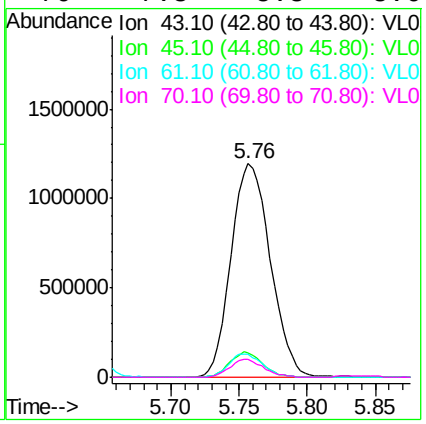


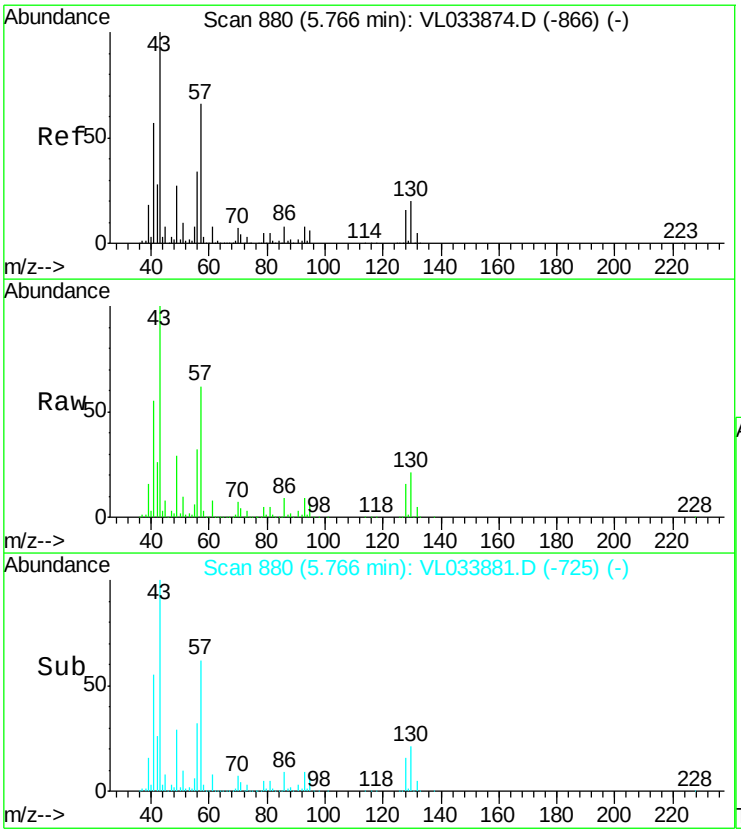
#25
Ethyl Acetate
Concen: 10.250 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2395581

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.5	7.8	11.6
70	7.3	5.8	8.6

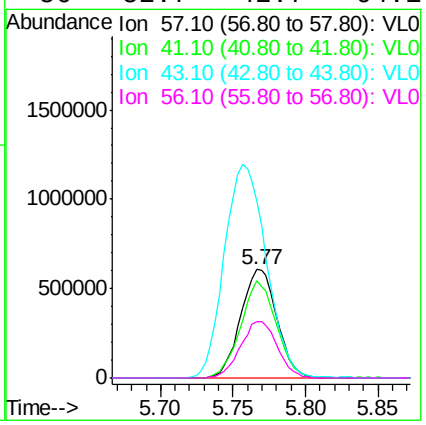


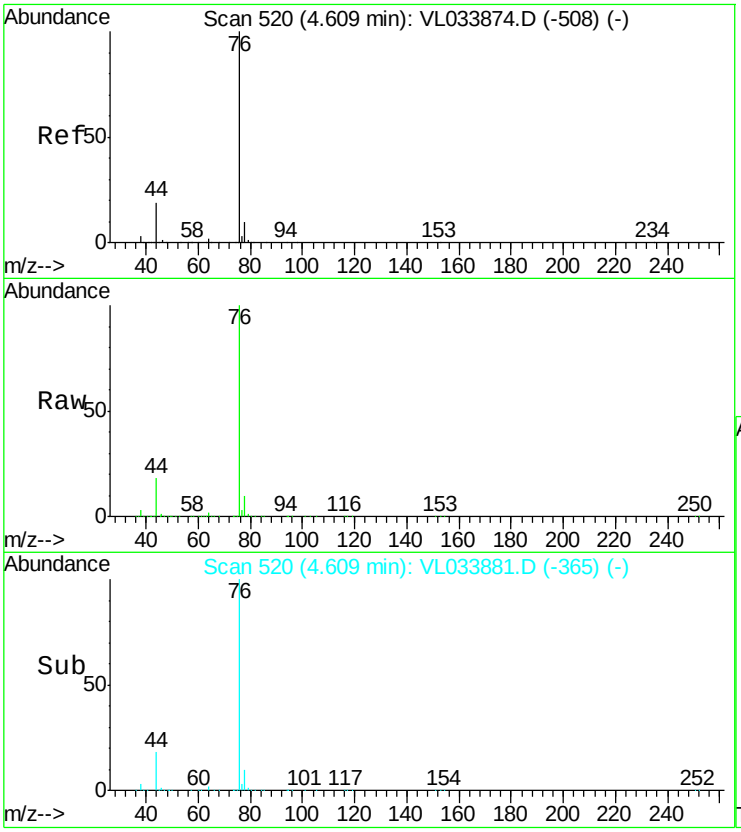


#26
Hexane
Concen: 9.982 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 57 Resp: 1062201

Ion	Ratio	Lower	Upper
57	100		
41	87.8	71.4	107.2
43	226.3	183.7	275.5
56	52.7	42.7	64.1



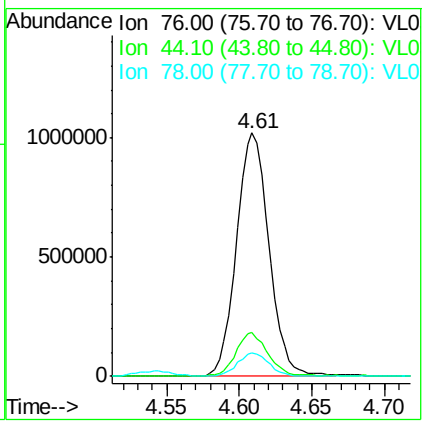


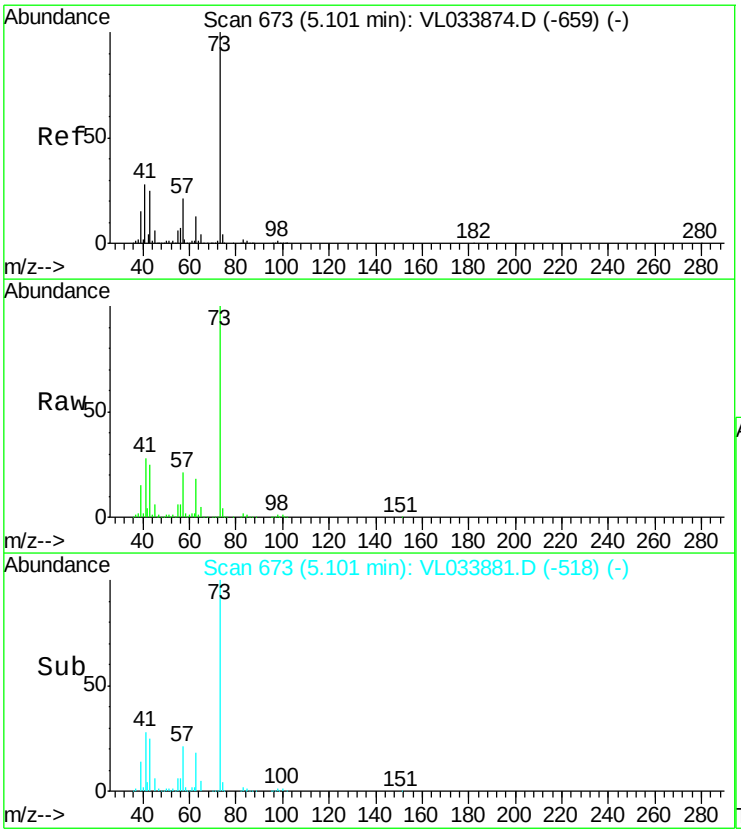
#27
Carbon Disulfide
Concen: 10.733 ppbv
RT: 4.61 min Scan# 520
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1586809

Ion	Ratio	Lower	Upper
76	100		
44	17.0	14.4	21.6
78	9.3	7.5	11.3

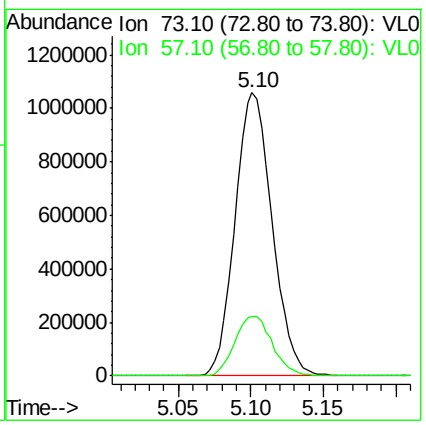


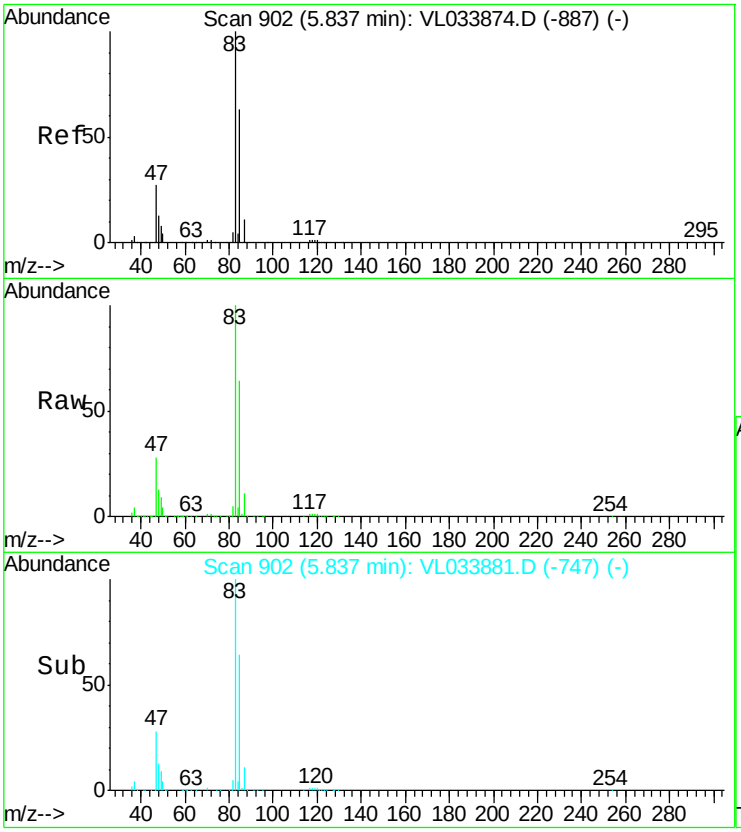


#28
Methyl tert-Butyl Ether
Concen: 11.688 ppbv
RT: 5.10 min Scan# 673
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 73 Resp: 1880758

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.2	25.8



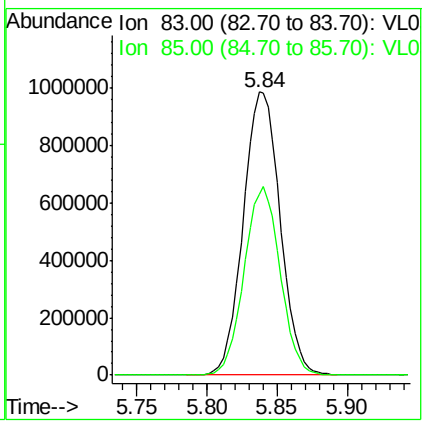


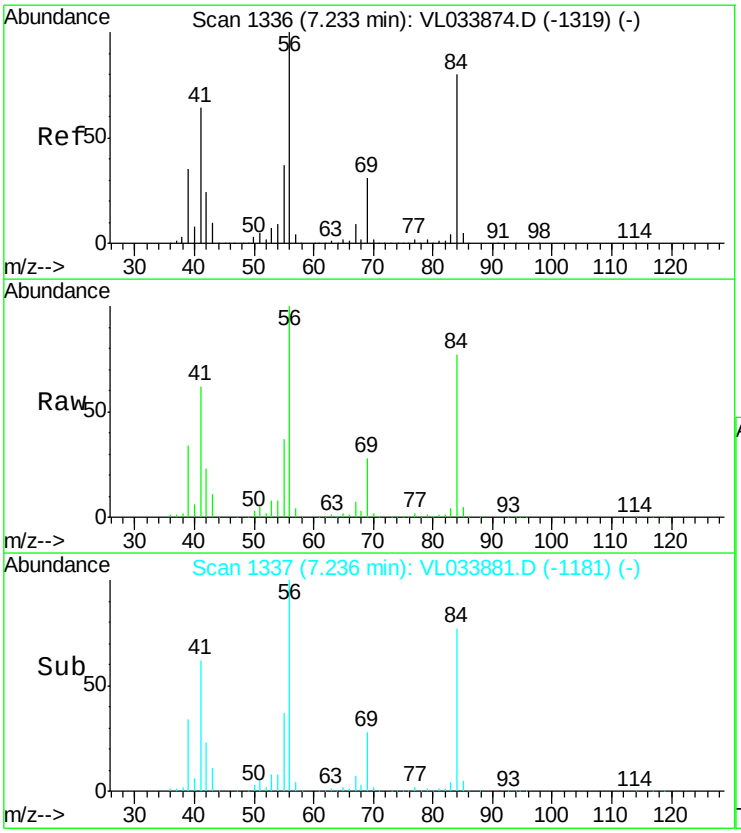
#29
Chloroform
Concen: 9.952 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1813677

Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.5	75.7

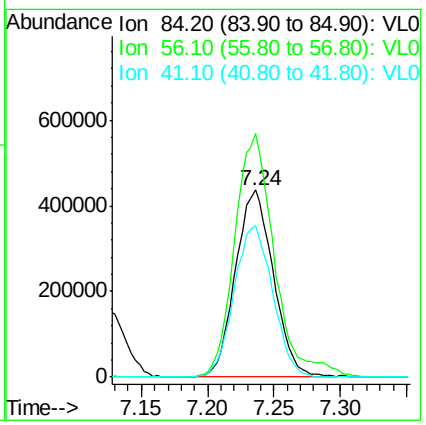


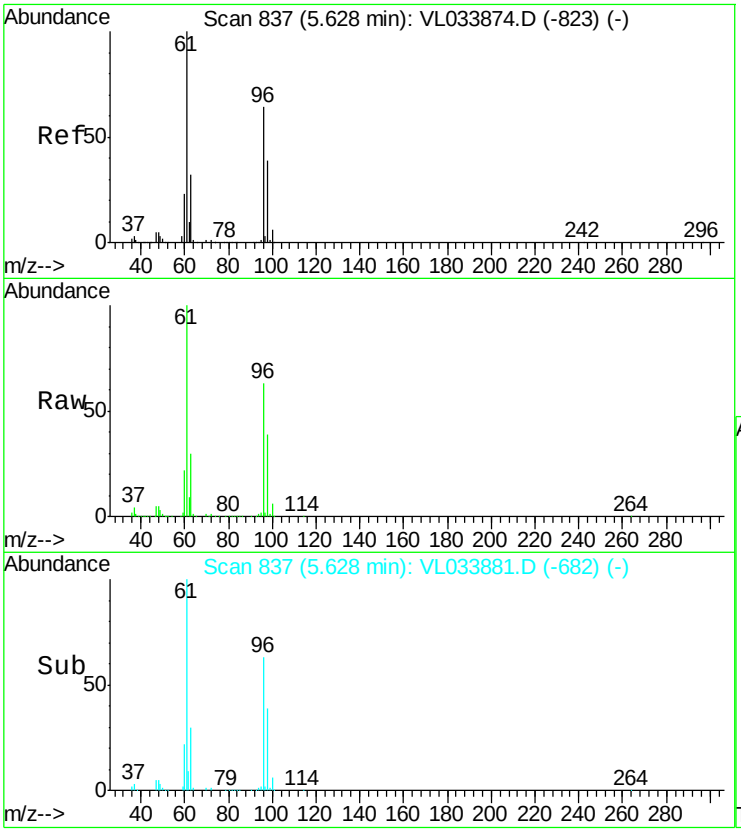


#30
Cyclohexane
Concen: 11.555 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 84 Resp: 868746

Ion	Ratio	Lower	Upper
84	100		
56	136.1	105.8	158.8
41	82.3	65.7	98.5



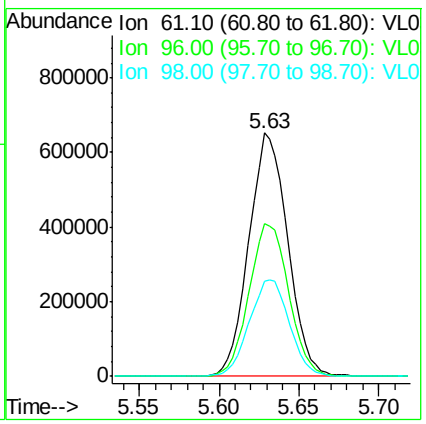


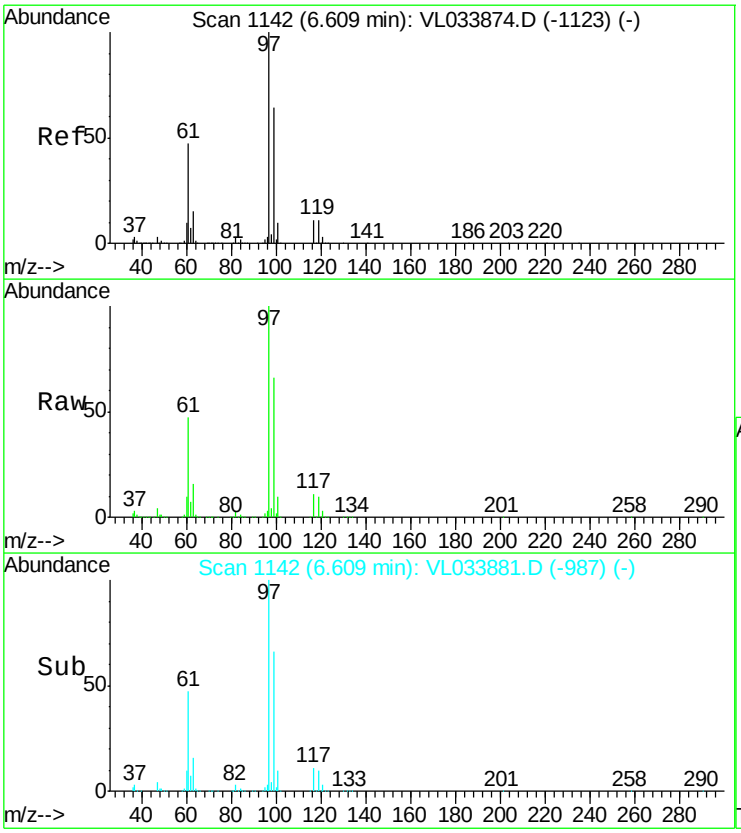
#31
cis-1,2-Dichloroethene
Concen: 11.649 ppbv
RT: 5.63 min Scan# 837
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1087018

Ion	Ratio	Lower	Upper
61	100		
96	63.0	50.9	76.3
98	39.0	31.4	47.2

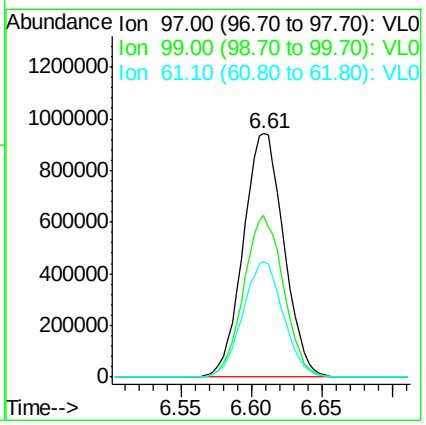


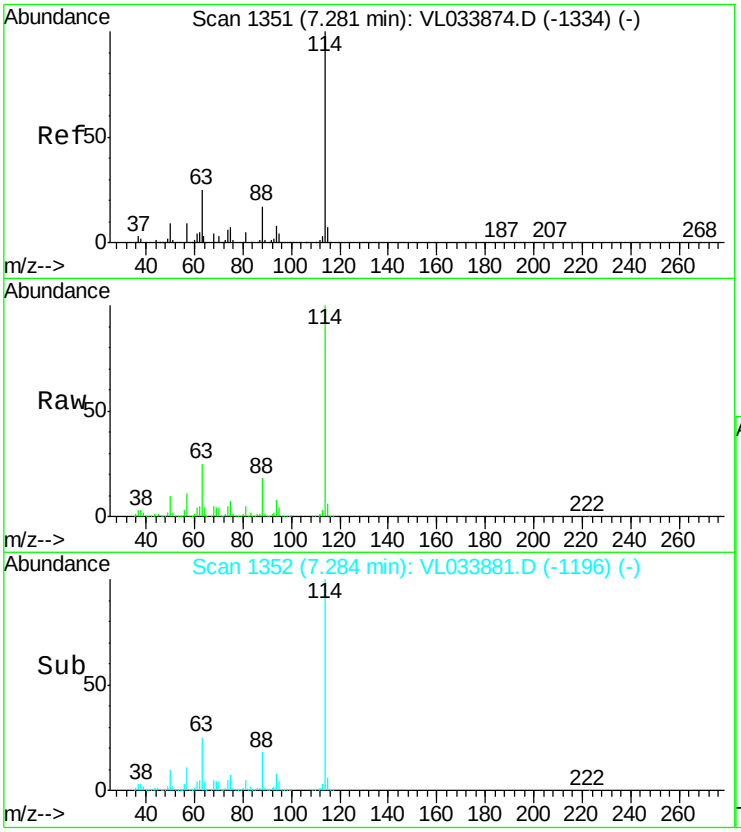


#32
1,1,1-Trichloroethane
Concen: 10.815 ppbv
RT: 6.61 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 97 Resp: 1901292

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.7	77.5
61	47.4	37.7	56.5



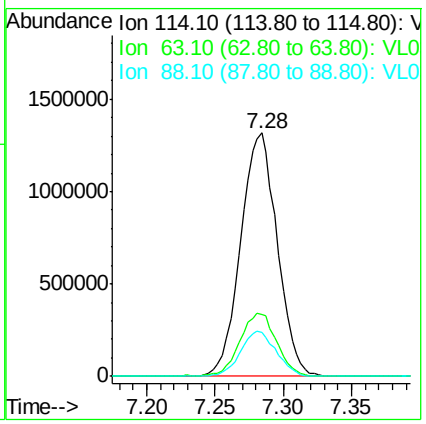


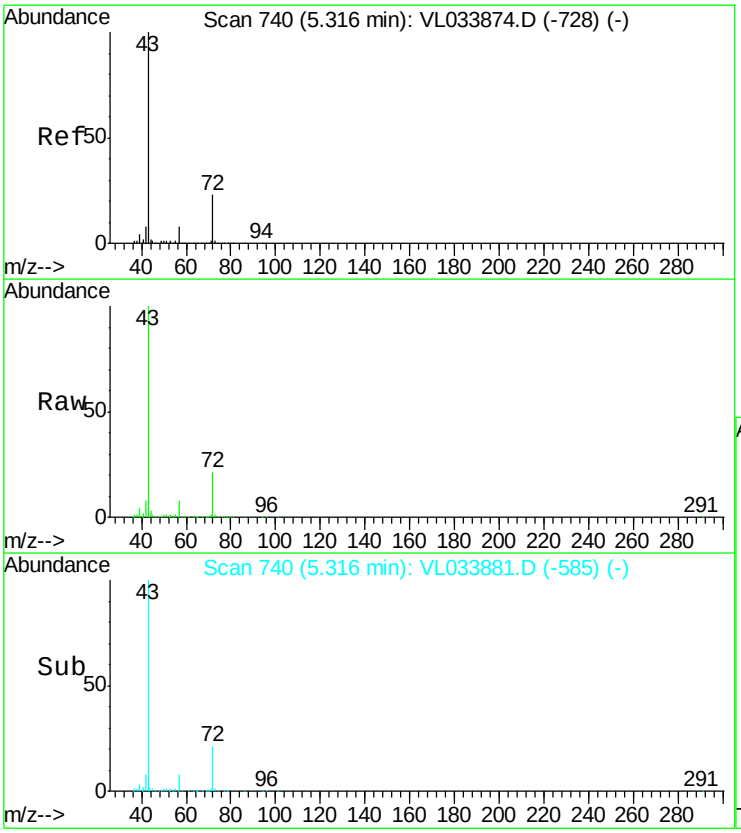
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2448612

Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.1	31.7
88	18.2	14.2	21.4

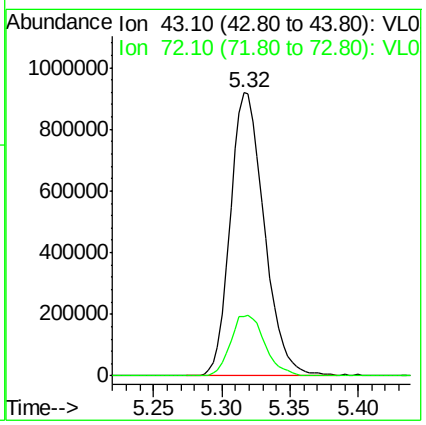


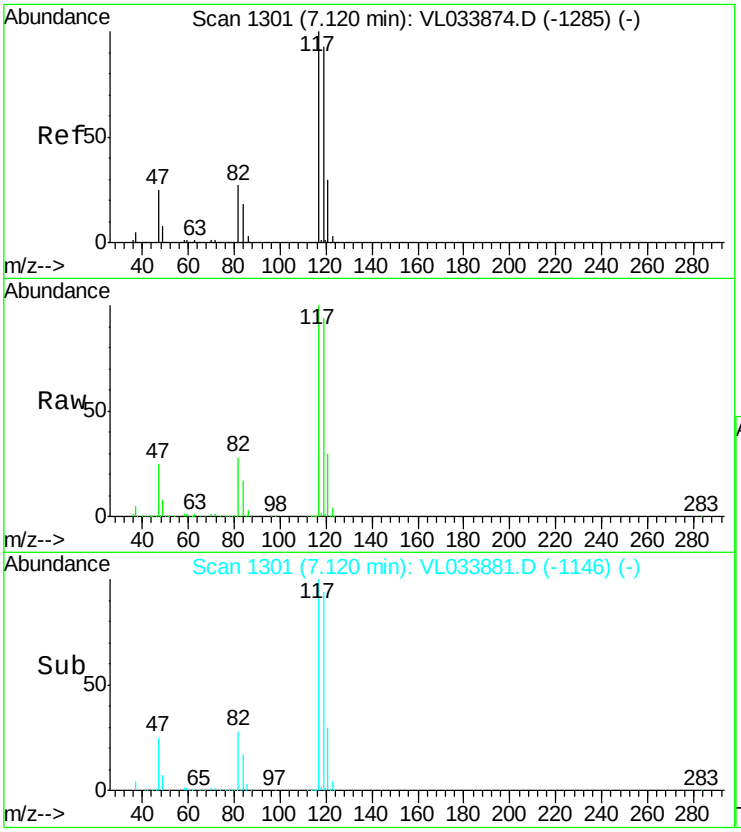


#34
2-Butanone
Concen: 11.448 ppbv
RT: 5.32 min Scan# 740
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 43 Resp: 1581333

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.9	26.9



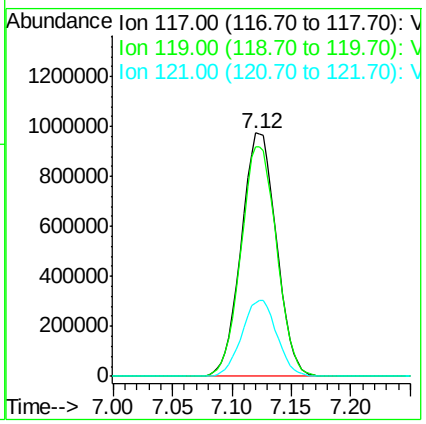


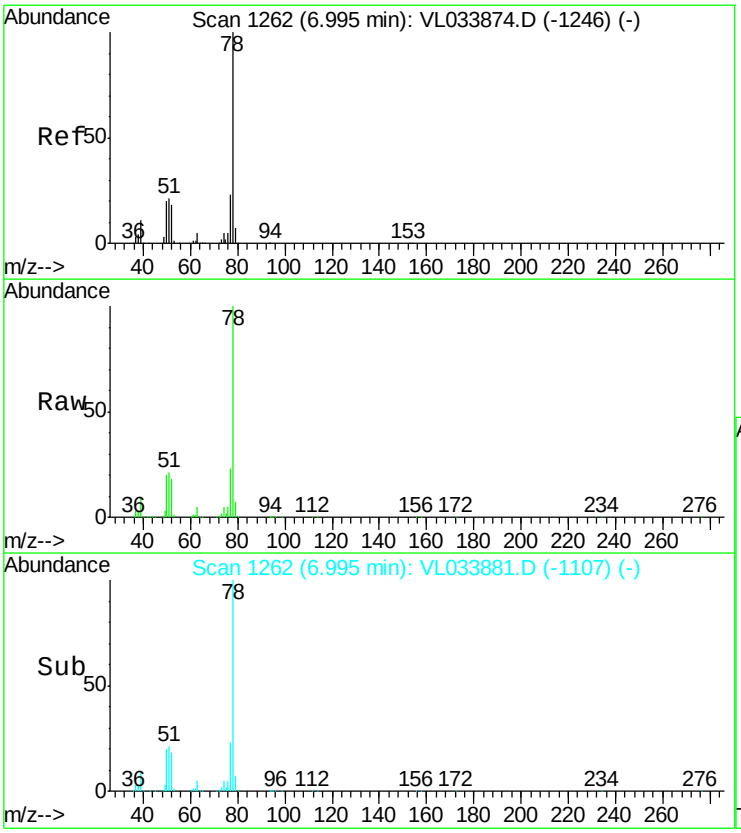
#35
Carbon Tetrachloride
Concen: 10.541 ppbv
RT: 7.12 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1994120

Ion	Ratio	Lower	Upper
117	100		
119	94.4	74.6	111.8
121	30.3	24.0	36.0

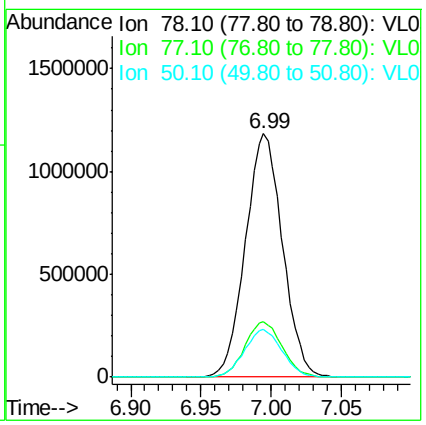


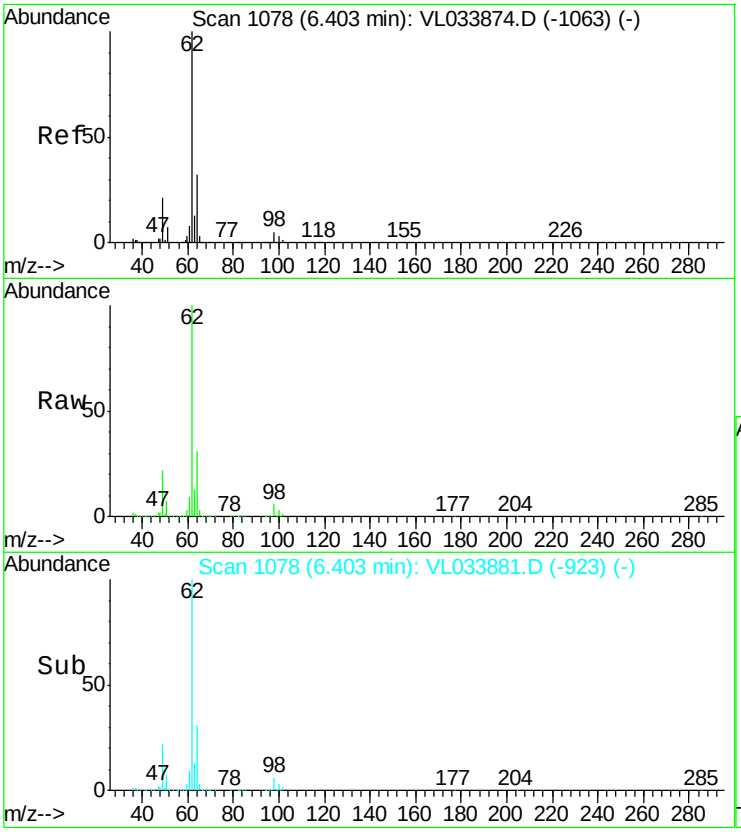


#36
Benzene
Concen: 11.647 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 78 Resp: 2178475

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.2	27.2
50	19.6	15.9	23.9



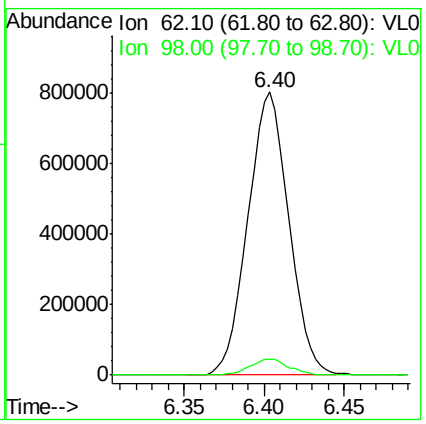


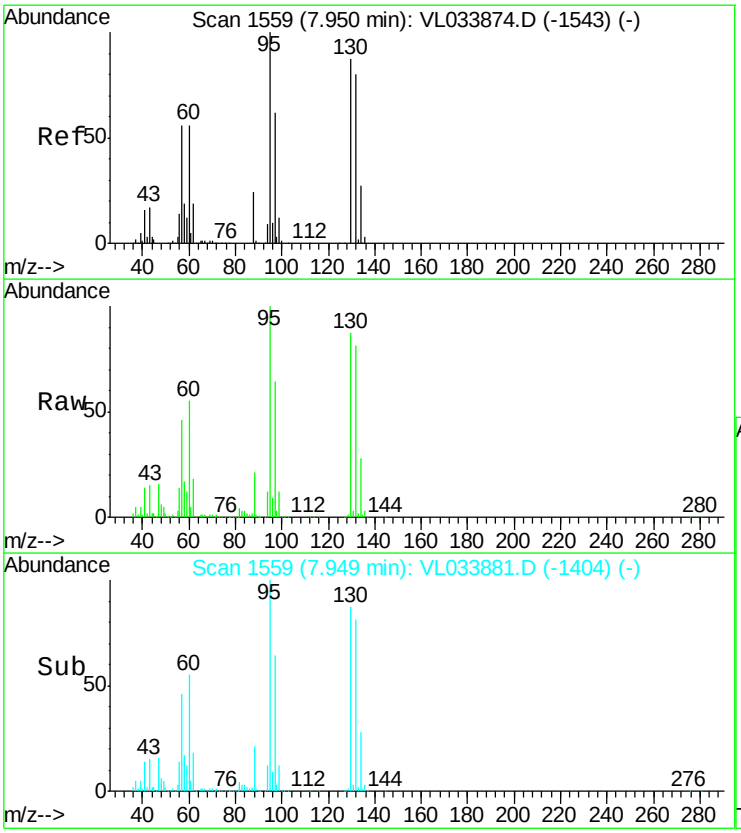
#37
1,2-Dichloroethane
Concen: 10.197 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1410517

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.0	6.0

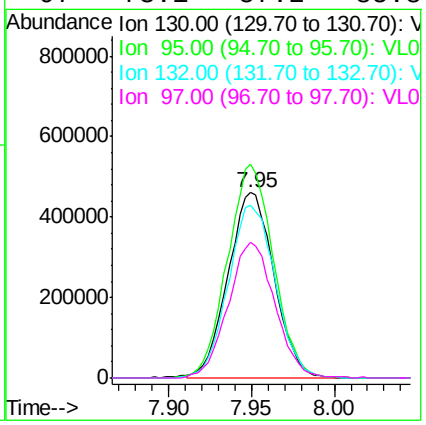


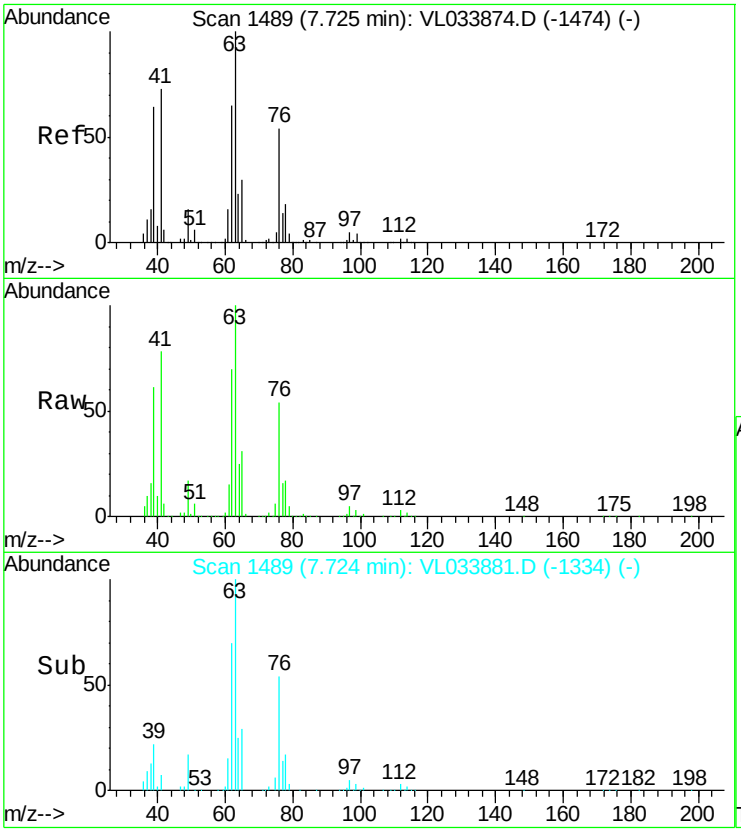


#38
Trichloroethene
Concen: 12.206 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:130 Resp: 888920

Ion	Ratio	Lower	Upper
130	100		
95	114.8	92.0	138.0
132	92.7	73.8	110.8
97	73.1	57.2	85.8



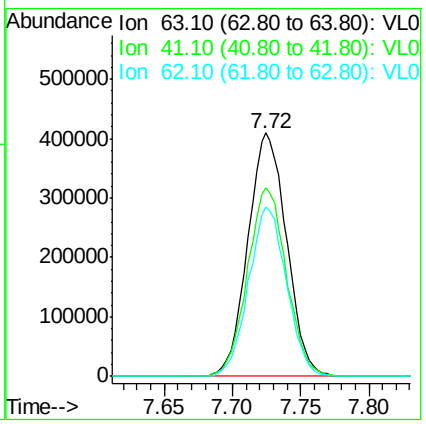


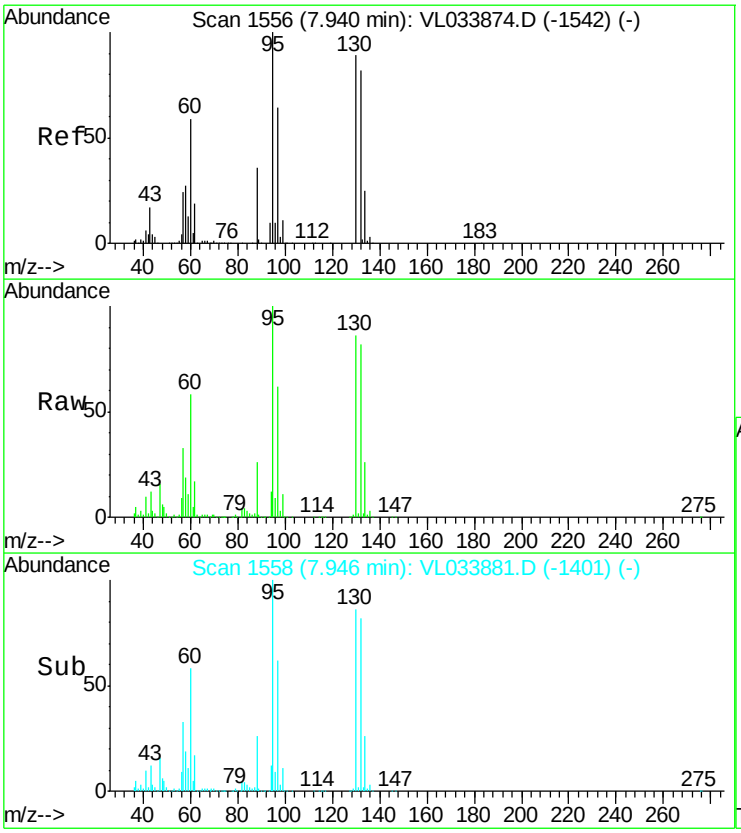
#39
1,2-Dichloropropane
Concen: 11.152 ppbv
RT: 7.72 min Scan# 1489
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 805040

Ion	Ratio	Lower	Upper
63	100		
41	77.6	58.7	88.1
62	69.8	51.9	77.9

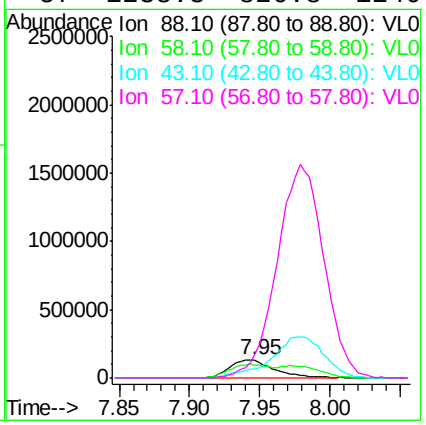


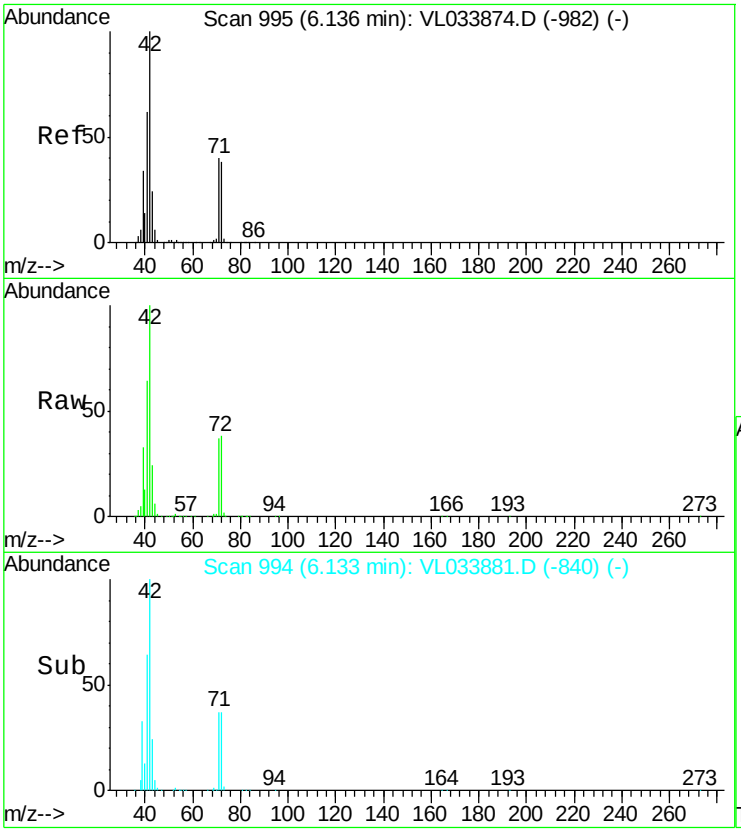


#40
1,4-Dioxane
Concen: 9.946 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. 0.01 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 88 Resp: 292856

Ion	Ratio	Lower	Upper
88	100		
58	130.3	100.0	150.0
43	271.1	184.7	277.1
57	1238.3	826.8	1240.2



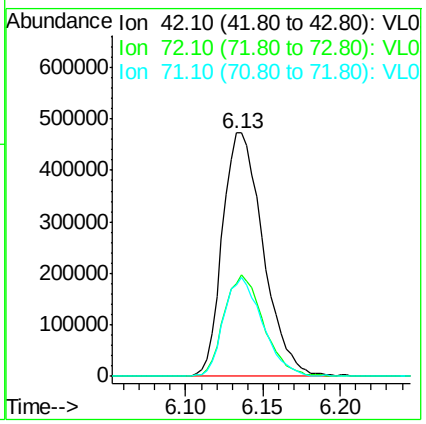


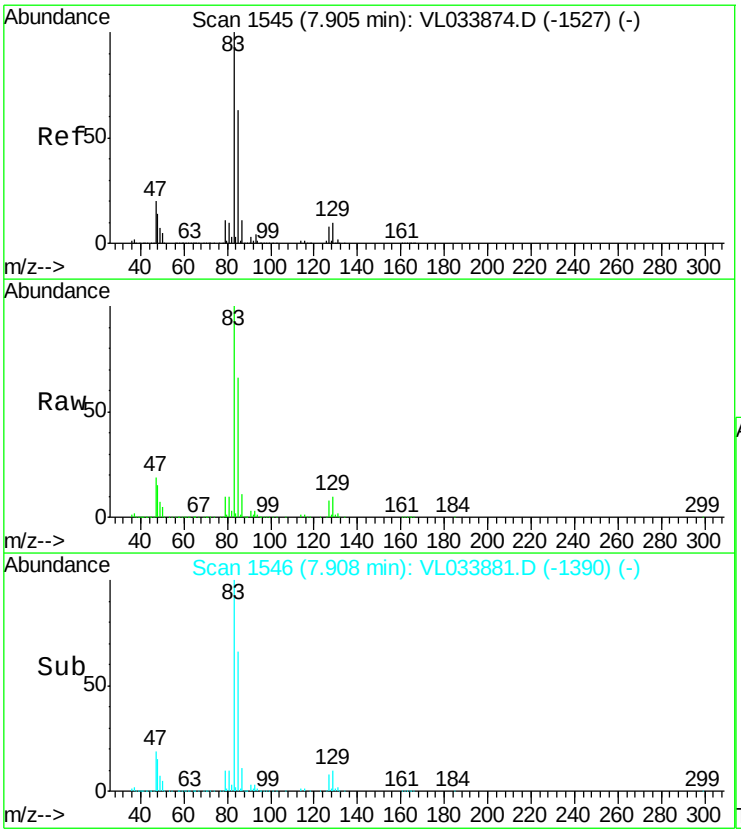
#41
Tetrahydrofuran
Concen: 12.286 ppbv
RT: 6.13 min Scan# 994
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 861440

Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.2	48.4
71	39.0	31.7	47.5

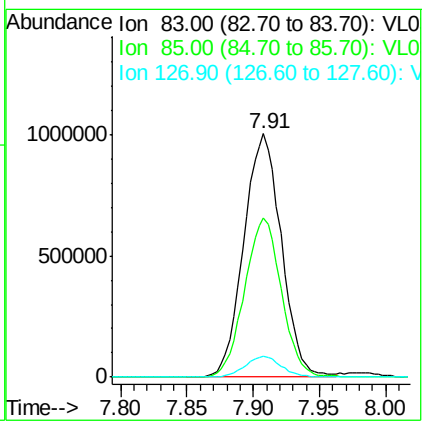


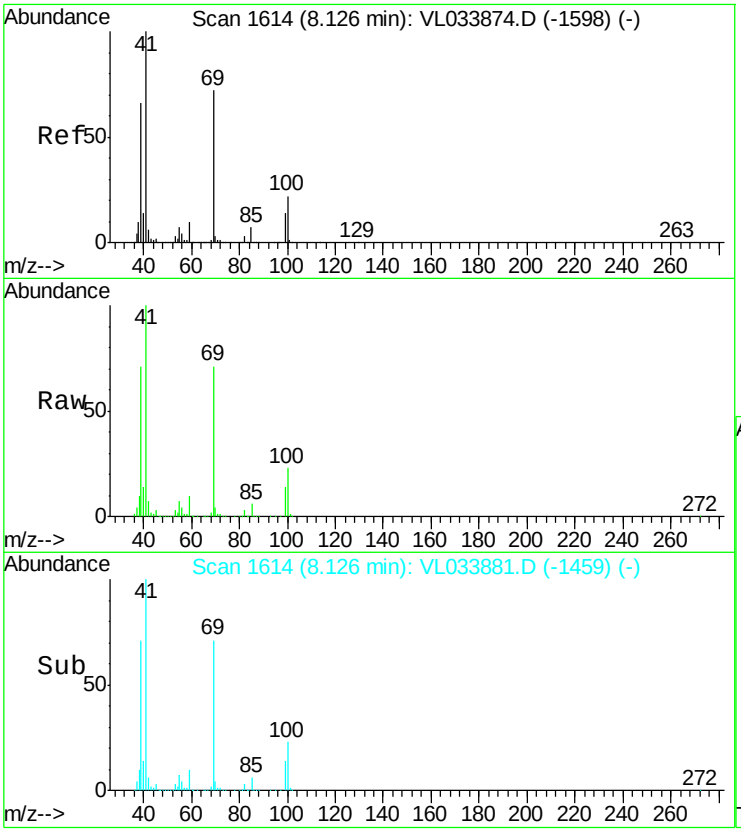


#42
Bromodichloromethane
Concen: 10.682 ppbv
RT: 7.91 min Scan# 1546
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 83 Resp: 1974647

Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.2	75.2
127	8.4	6.5	9.7



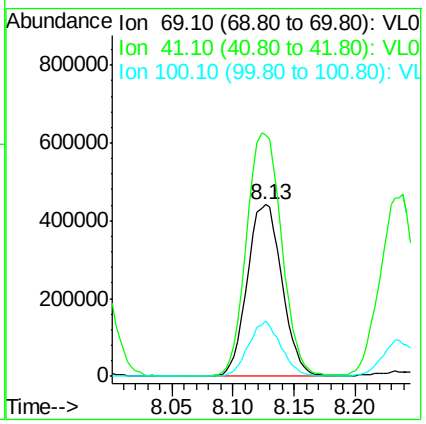


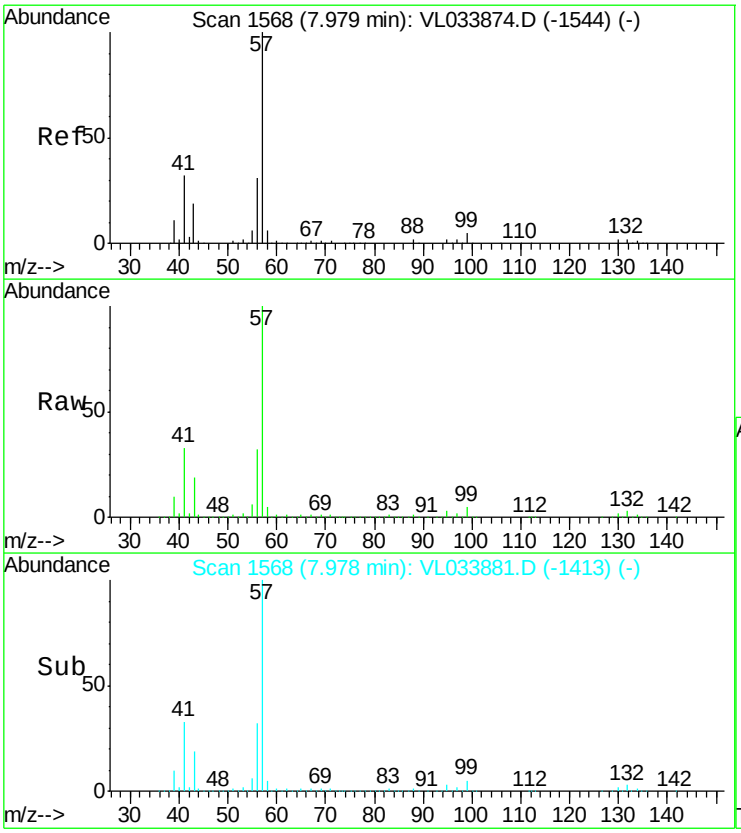
#43
Methyl Methacrylate
Concen: 12.359 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 864575

Ion	Ratio	Lower	Upper
69	100		
41	143.6	114.3	171.5
100	30.0	24.8	37.2

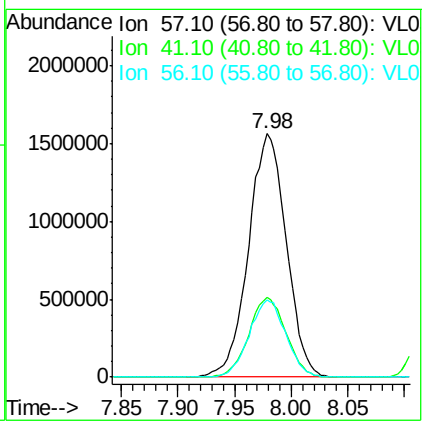


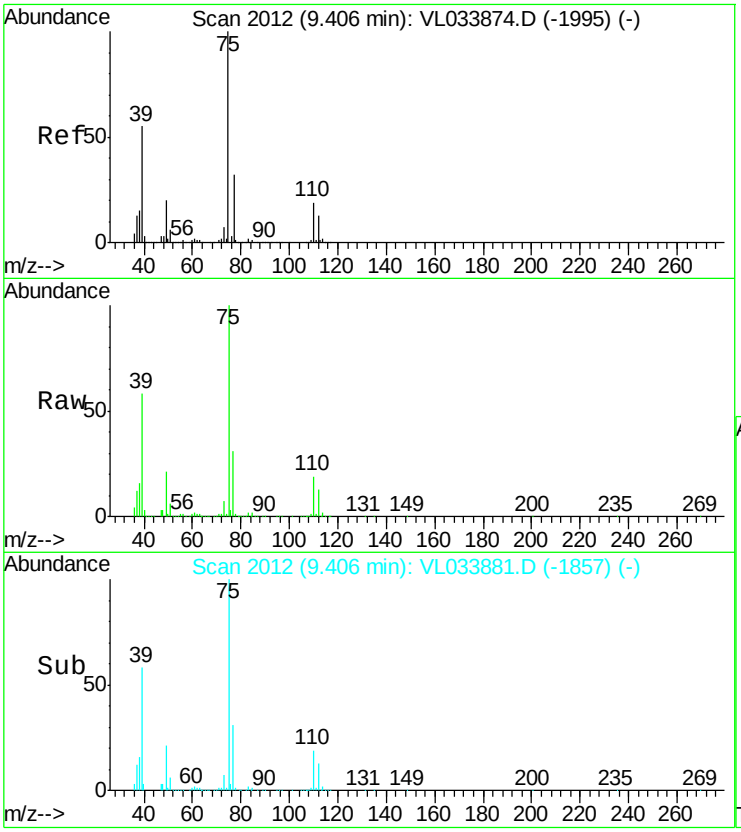


#44
2,2,4-Trimethylpentane
Concen: 10.876 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 57 Resp: 3617601

Ion	Ratio	Lower	Upper
57	100		
41	32.4	26.1	39.1
56	30.9	24.6	36.8



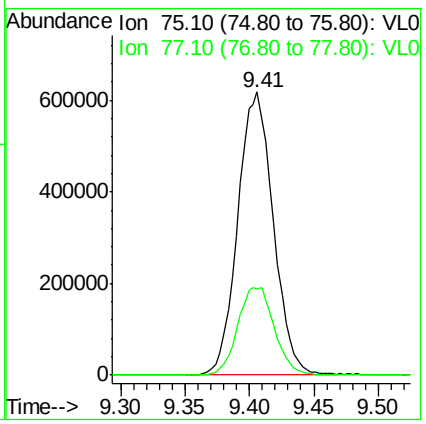


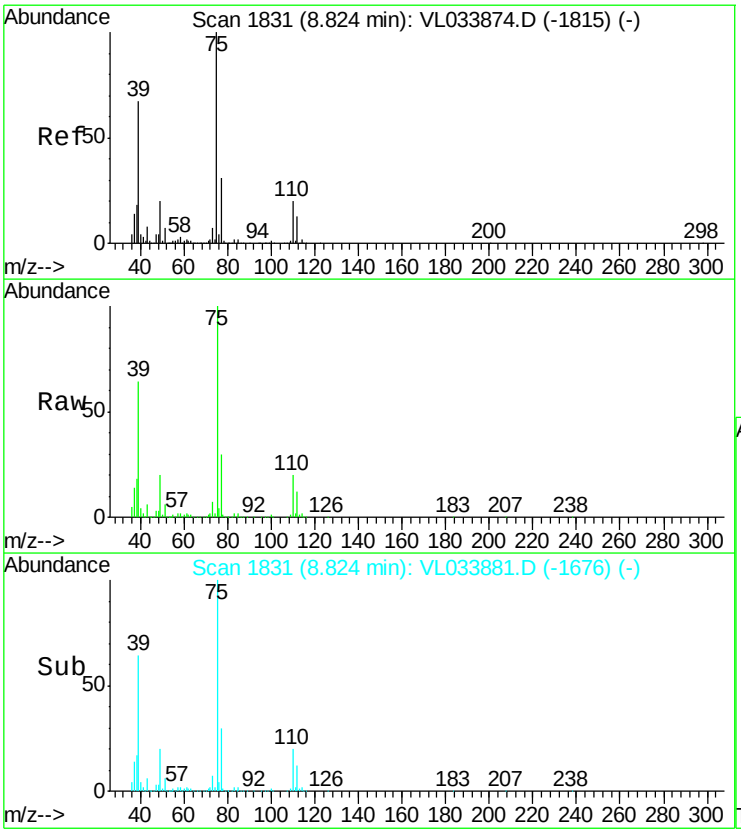
#45
t-1,3-Dichloropropene
Concen: 12.892 ppbv
RT: 9.41 min Scan# 2012
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1183359

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.2

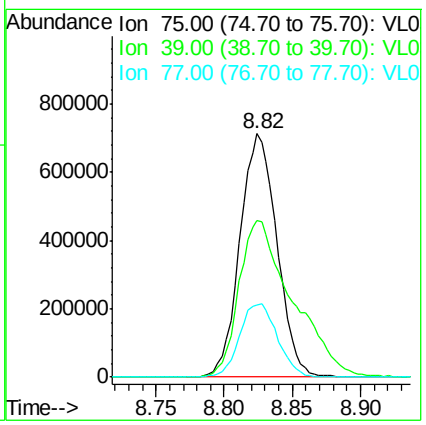


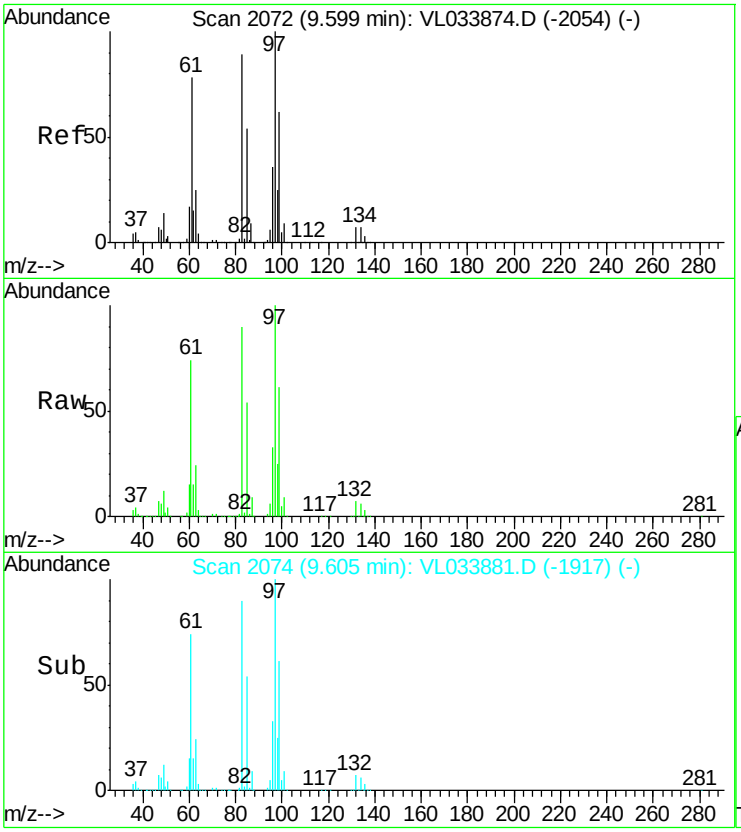


#46
cis-1,3-Dichloropropene
Concen: 12.751 ppbv
RT: 8.82 min Scan# 1831
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 75 Resp: 1340941

Ion	Ratio	Lower	Upper
75	100		
39	64.2	53.8	80.8
77	29.9	24.6	36.8



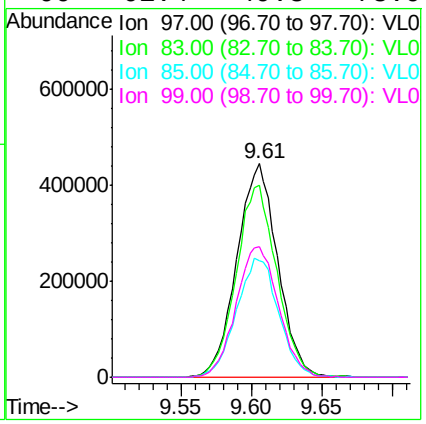


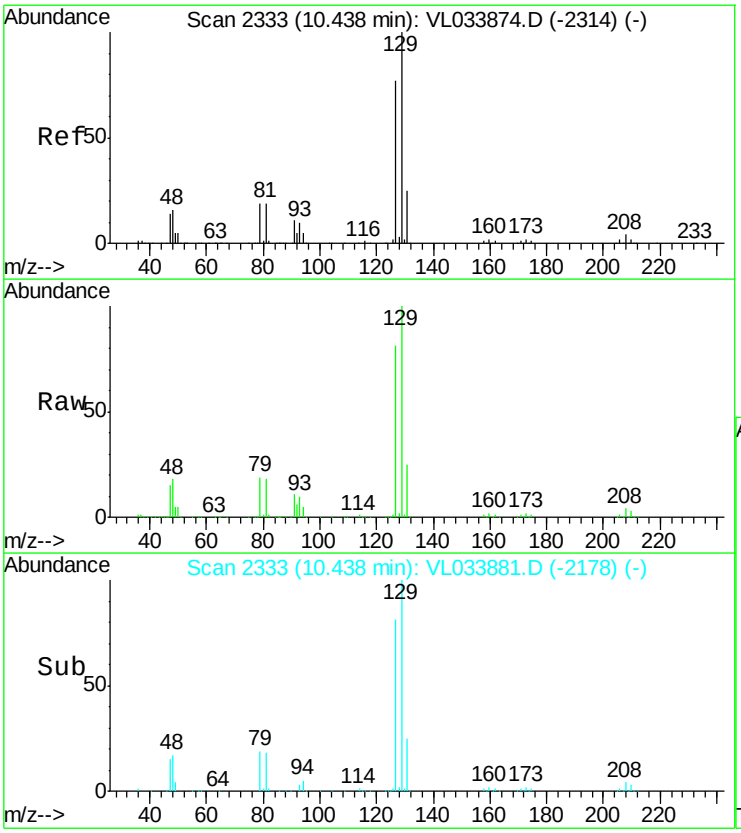
#47
1,1,2-Trichloroethane
Concen: 10.421 ppbv
RT: 9.61 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 896810

Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.9	106.3
85	54.3	43.0	64.6
99	61.4	49.3	73.9

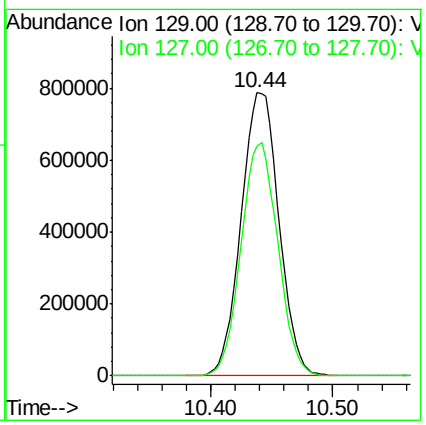


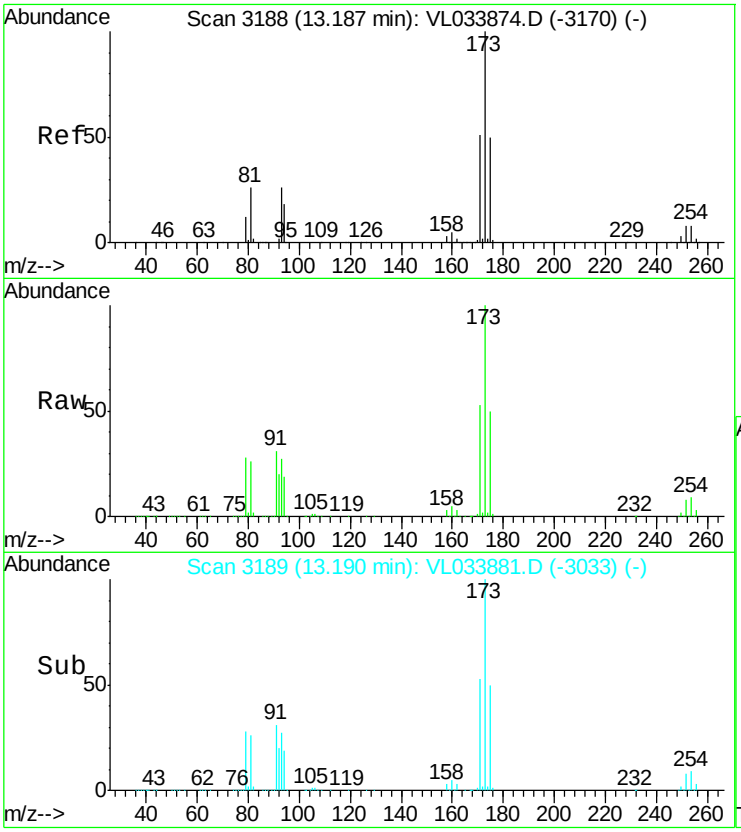


#48
Dibromochloromethane
Concen: 10.917 ppbv
RT: 10.44 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:129 Resp: 1688484

Ion	Ratio	Lower	Upper
129	100		
127	80.2	38.6	115.7



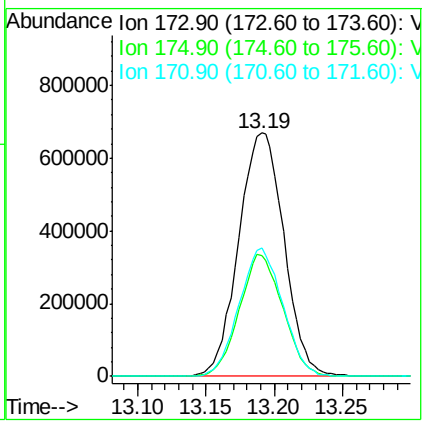


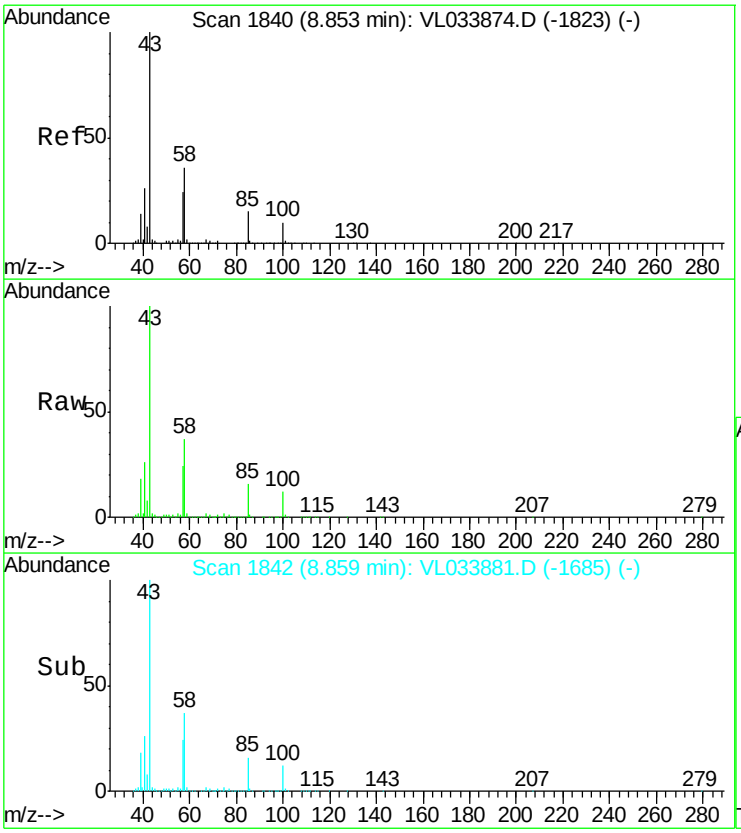
#49
Bromoform
Concen: 11.291 ppbv
RT: 13.19 min Scan# 3189
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1541502

Ion	Ratio	Lower	Upper
173	100		
175	48.3	39.6	59.4
171	51.0	41.8	62.8

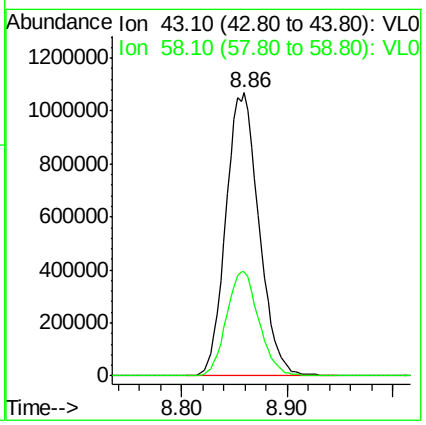


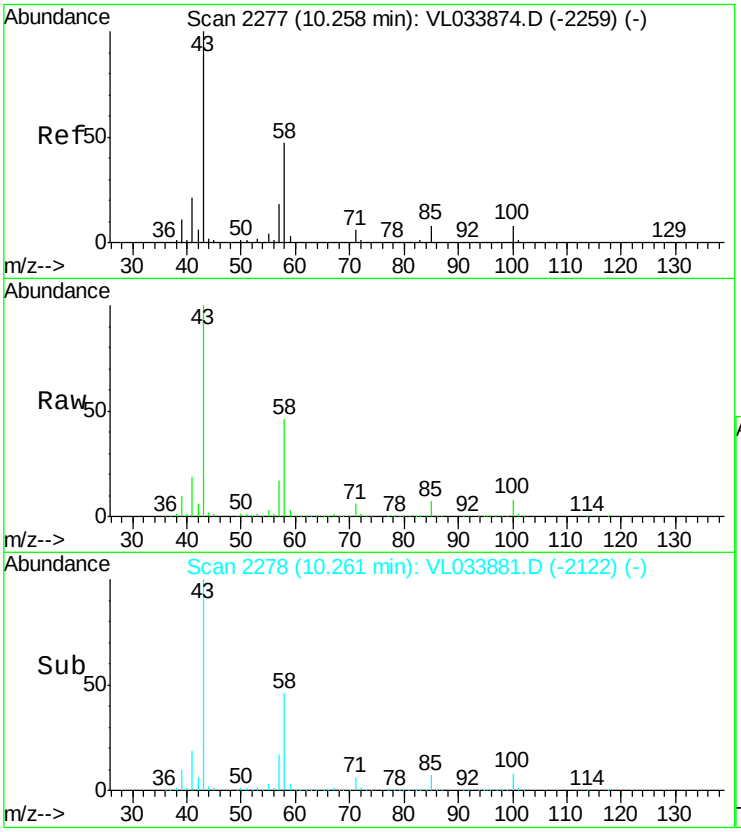


#50
4-Methyl-2-Pentanone
Concen: 11.284 ppbv
RT: 8.86 min Scan# 1842
Delta R.T. 0.01 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 43 Resp: 2324342

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.6	42.8



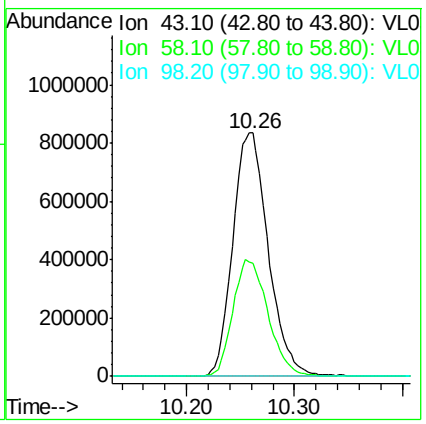


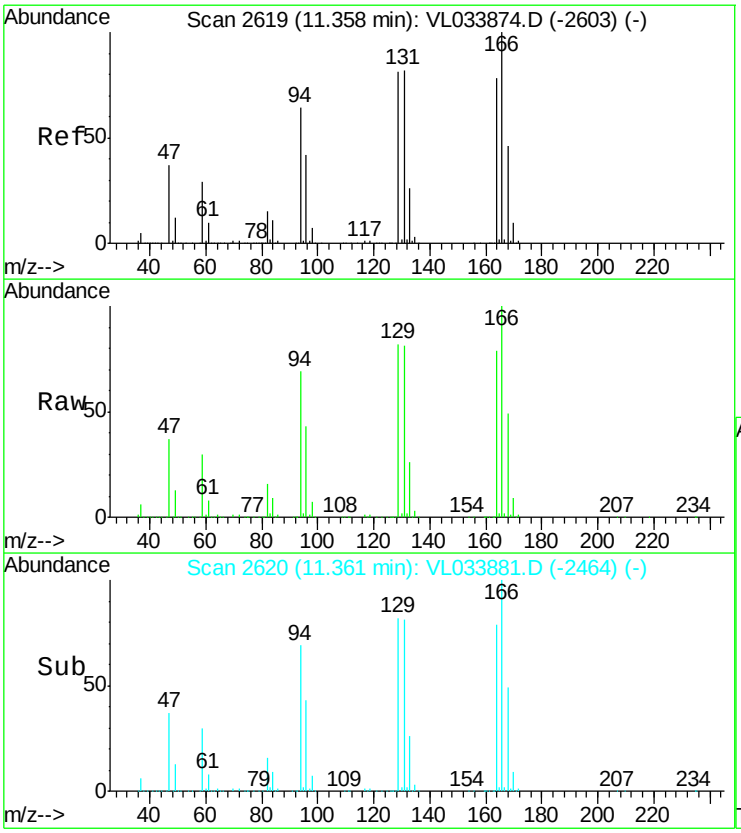
#51
2-Hexanone
Concen: 11.883 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1911369

Ion	Ratio	Lower	Upper
43	100		
58	47.6	38.2	57.4
98	0.4	0.2	0.2#

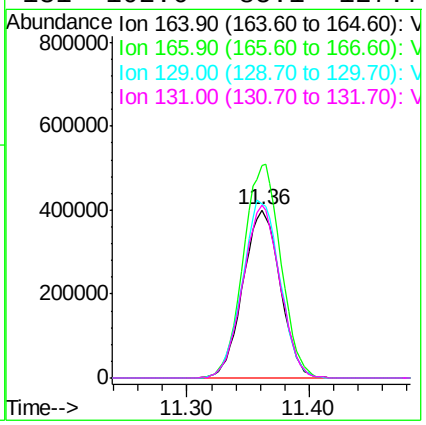


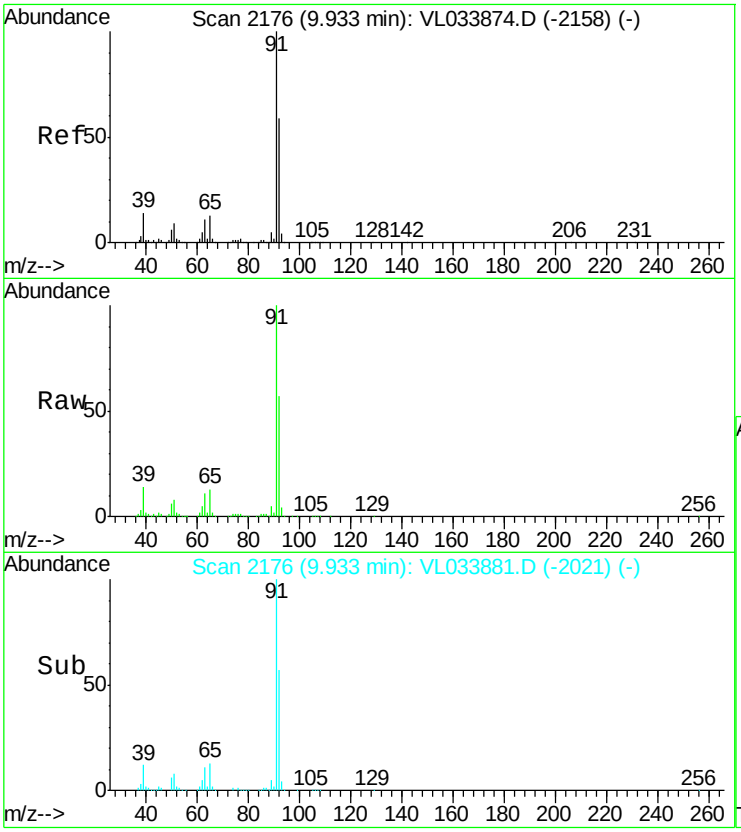


#52
Tetrachloroethene
Concen: 12.787 ppbv
RT: 11.36 min Scan# 2620
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:164 Resp: 841603

Ion	Ratio	Lower	Upper
164	100		
166	126.6	103.1	154.7
129	103.7	83.9	125.9
131	102.6	85.1	127.7



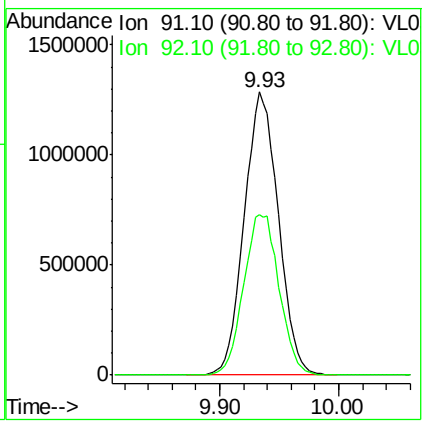


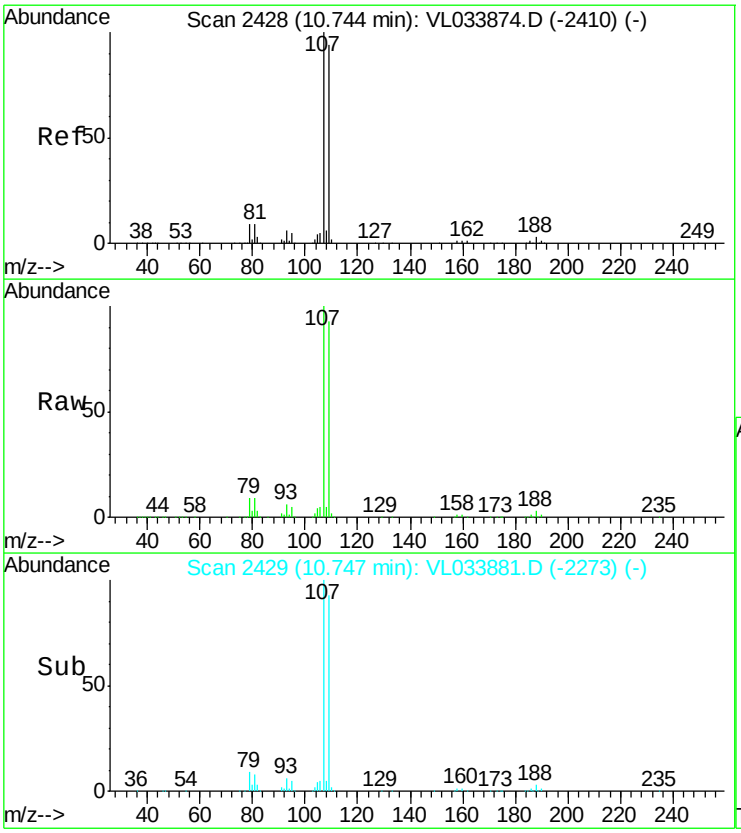
#53
Toluene
Concen: 12.319 ppbv
RT: 9.93 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2549943

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.0	70.6

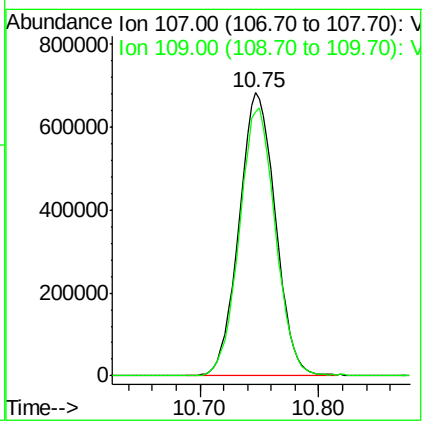


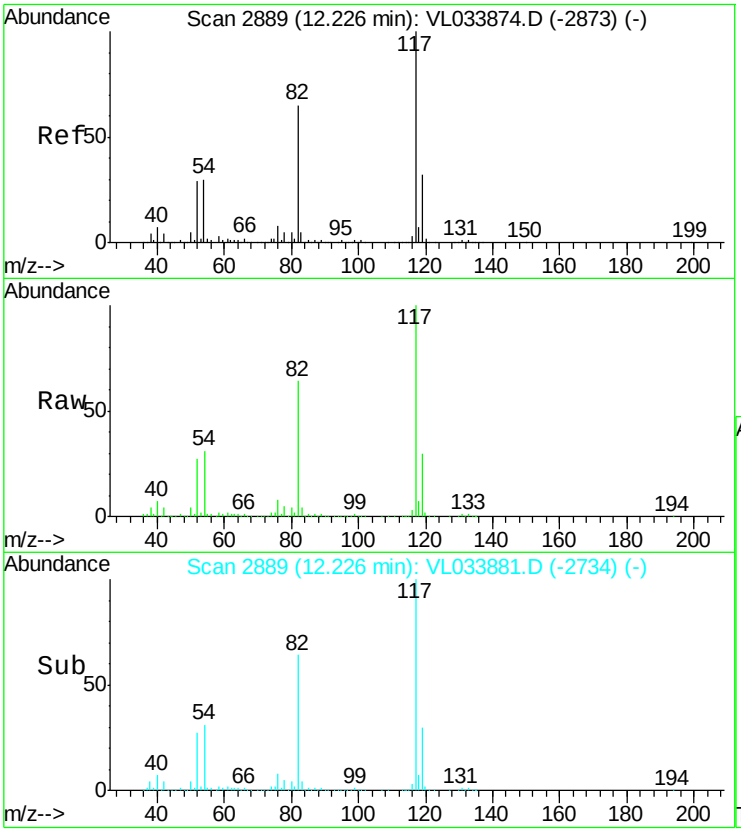


#54
1,2-Dibromoethane
Concen: 11.137 ppbv
RT: 10.75 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:107 Resp: 1444842

Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.9	112.3



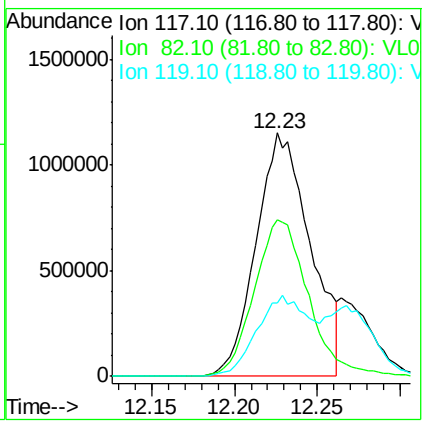


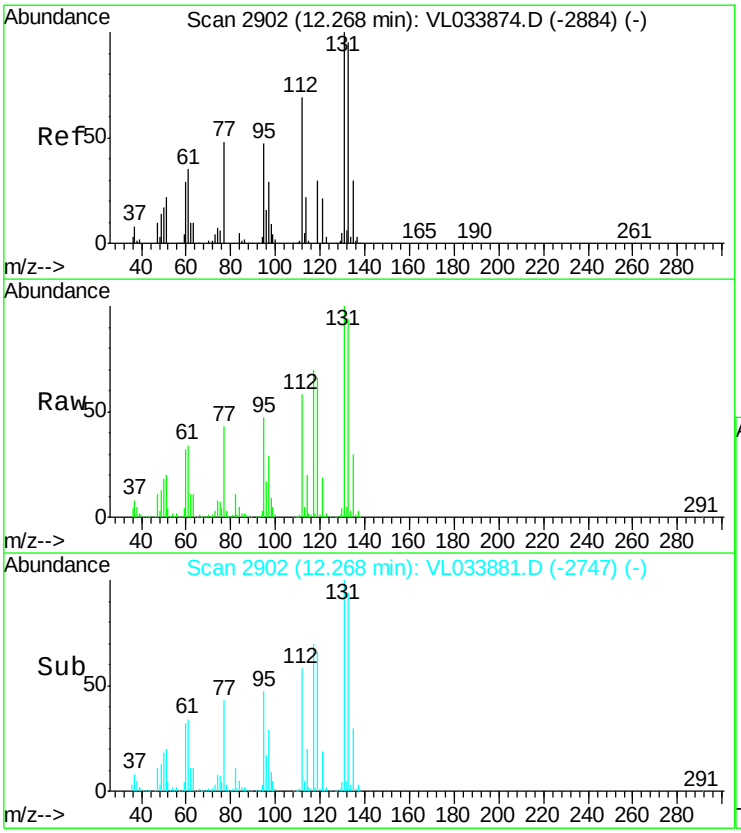
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2612992

Ion	Ratio	Lower	Upper
117	100		
82	64.1	50.2	75.2
119	32.6	24.8	37.2

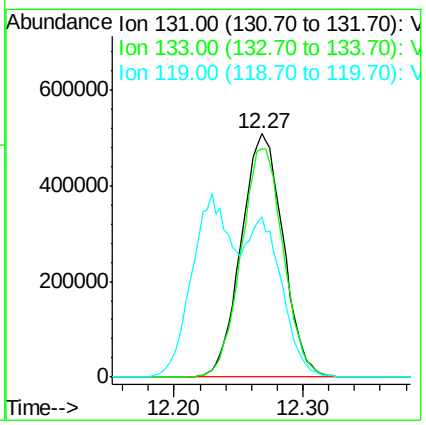


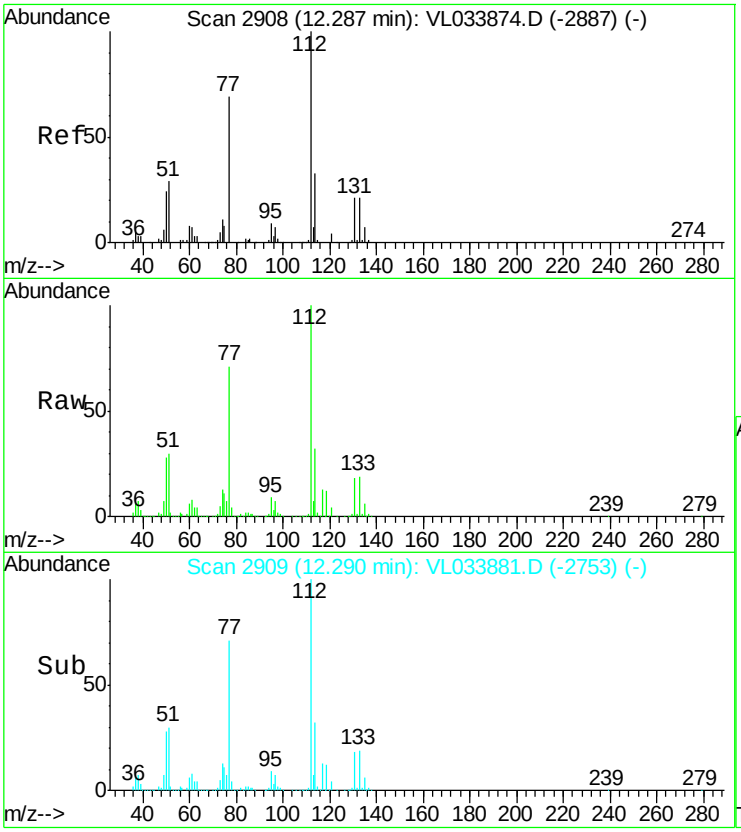


#56
1,1,1,2-Tetrachloroethane
Concen: 10.086 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:131 Resp: 1151312

Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.5	114.7
119	55.9	42.6	64.0



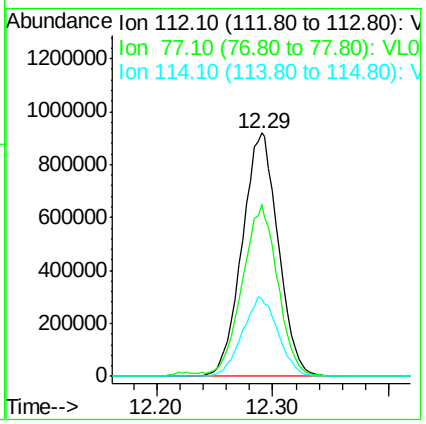


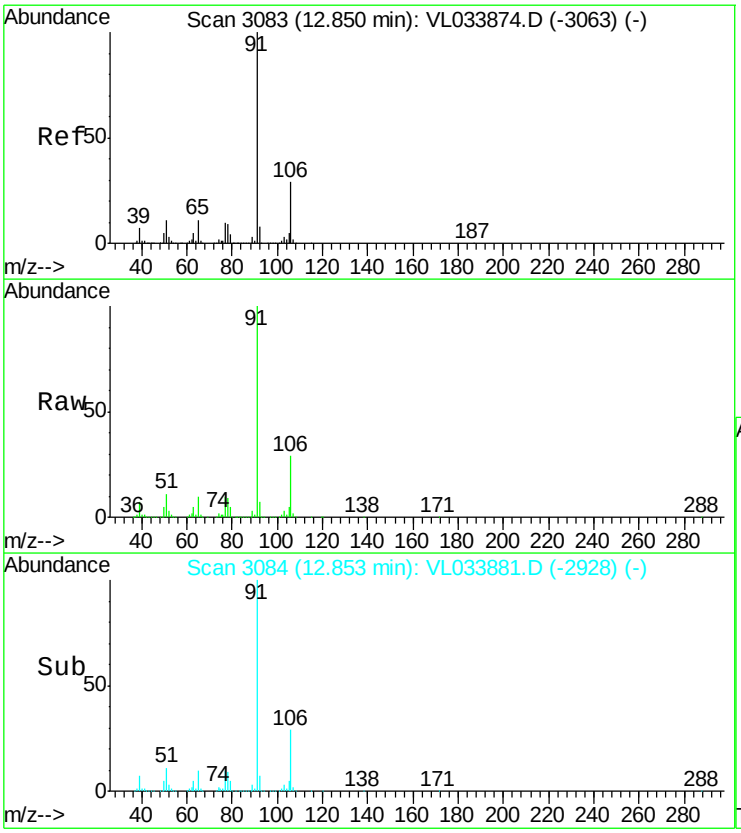
#57
Chlorobenzene
Concen: 10.155 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 1987351

Ion	Ratio	Lower	Upper
112	100		
77	70.6	55.8	83.6
114	31.7	29.8	36.4

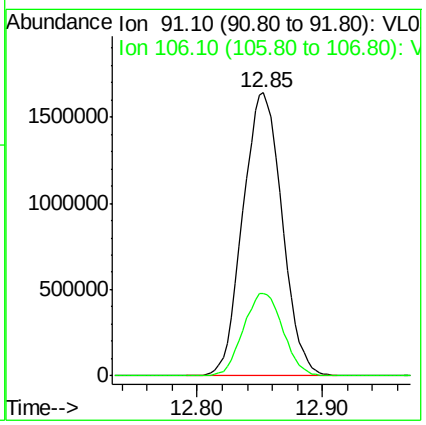


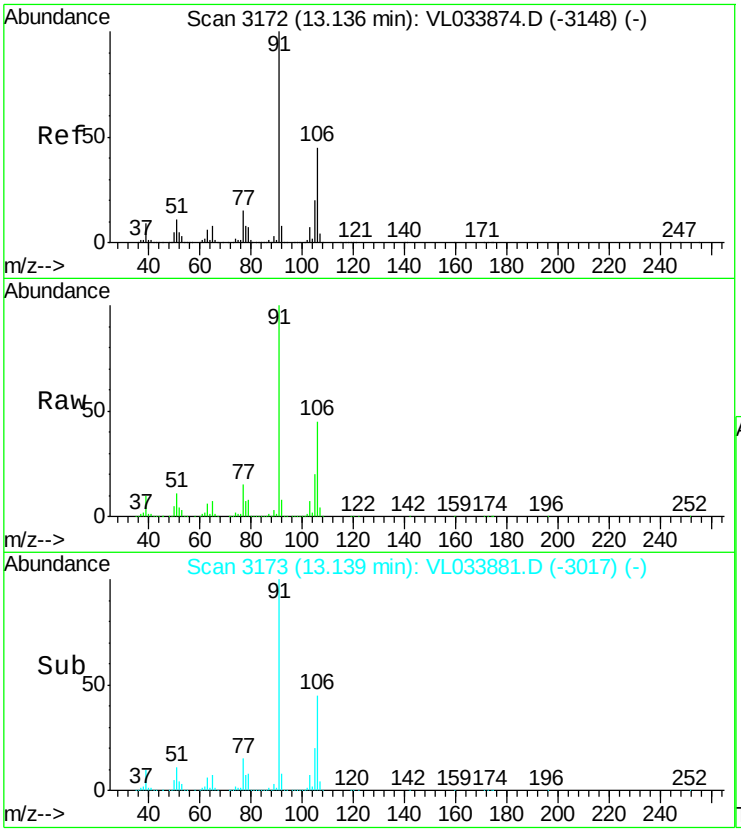


#58
Ethyl Benzene
Concen: 12.090 ppbv
RT: 12.85 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 91 Resp: 3561594

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.0	34.6



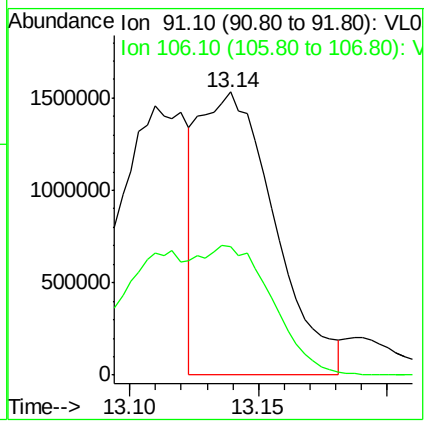


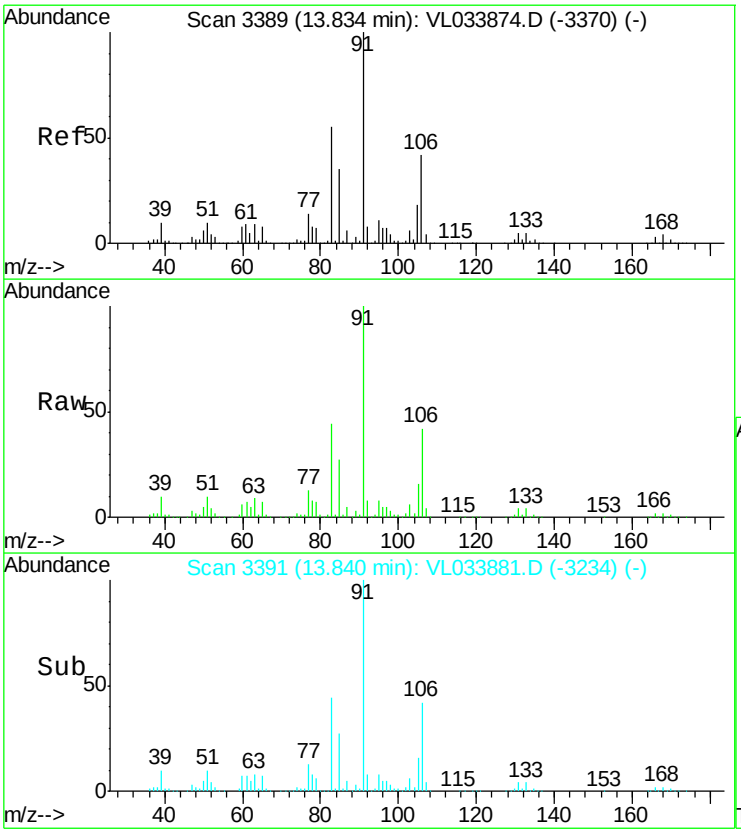
#59
m/p-Xylene
Concen: 11.617 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3112184

Ion	Ratio	Lower	Upper
91	100		
106	85.3	35.8	53.8#

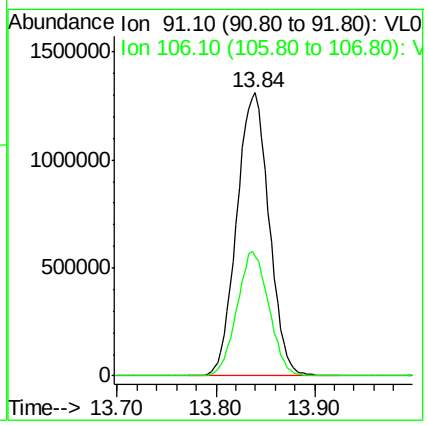


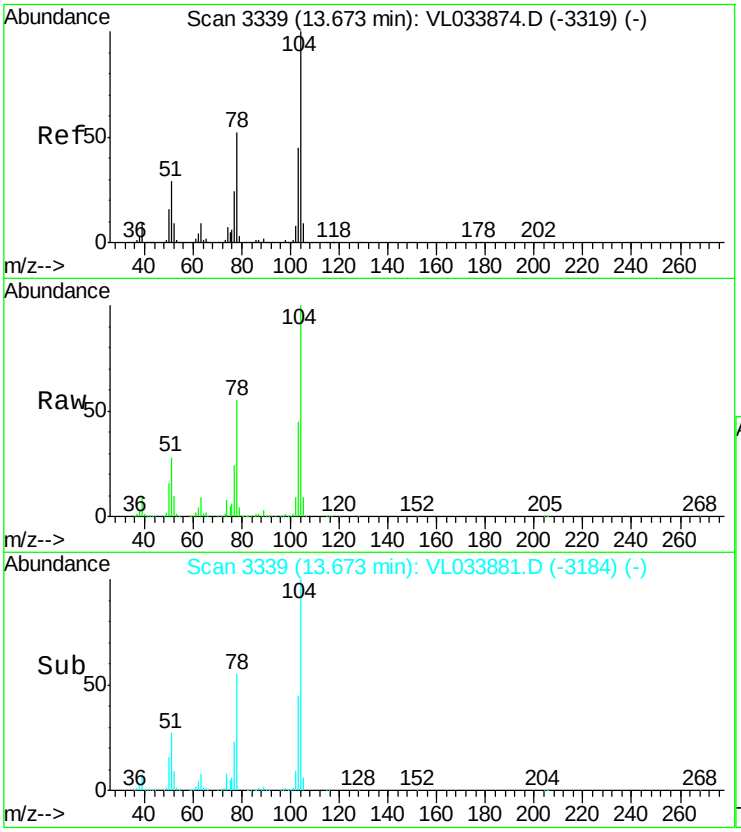


#60
o-Xylene
Concen: 10.770 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.01 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 91 Resp: 2979035

Ion	Ratio	Lower	Upper
91	100		
106	43.3	21.7	65.1



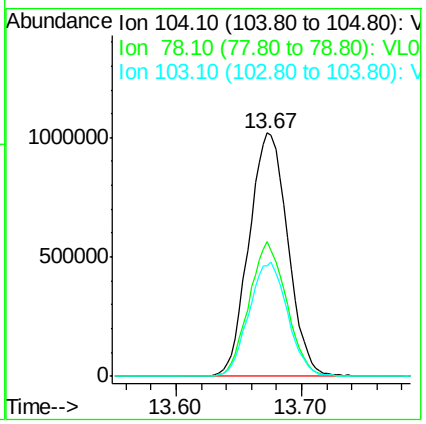


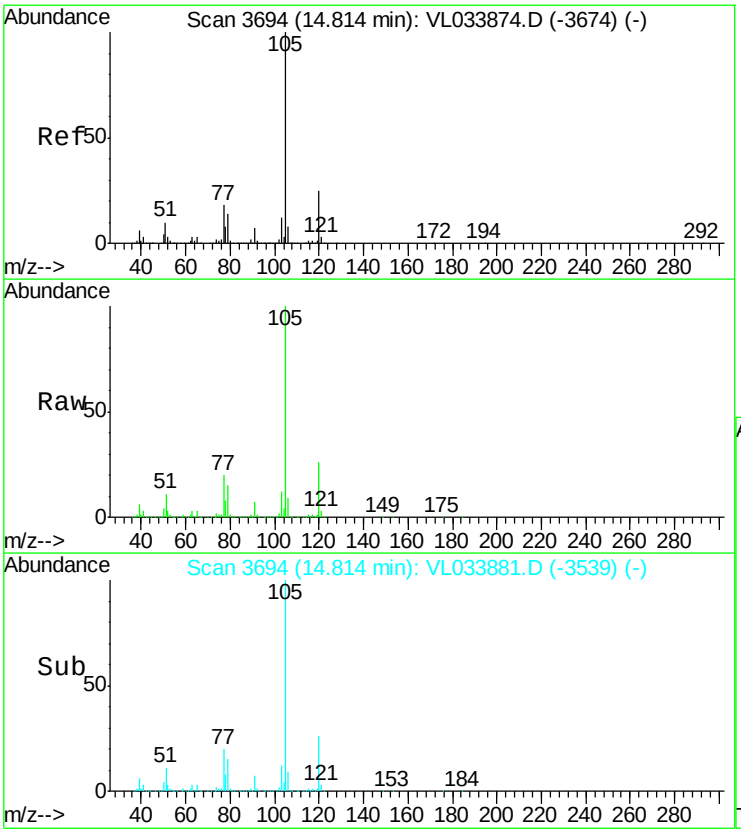
#61
Stvrene
Concen: 12.251 ppbv
RT: 13.67 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 2192878

Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.4	65.0
103	46.7	37.6	56.4

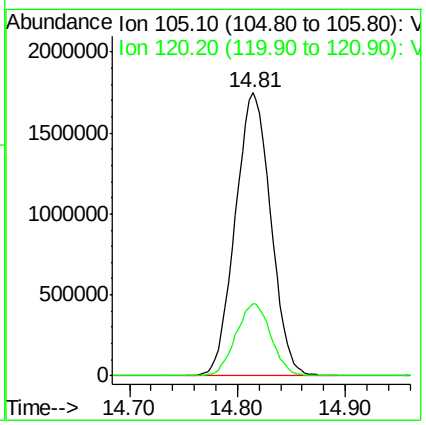


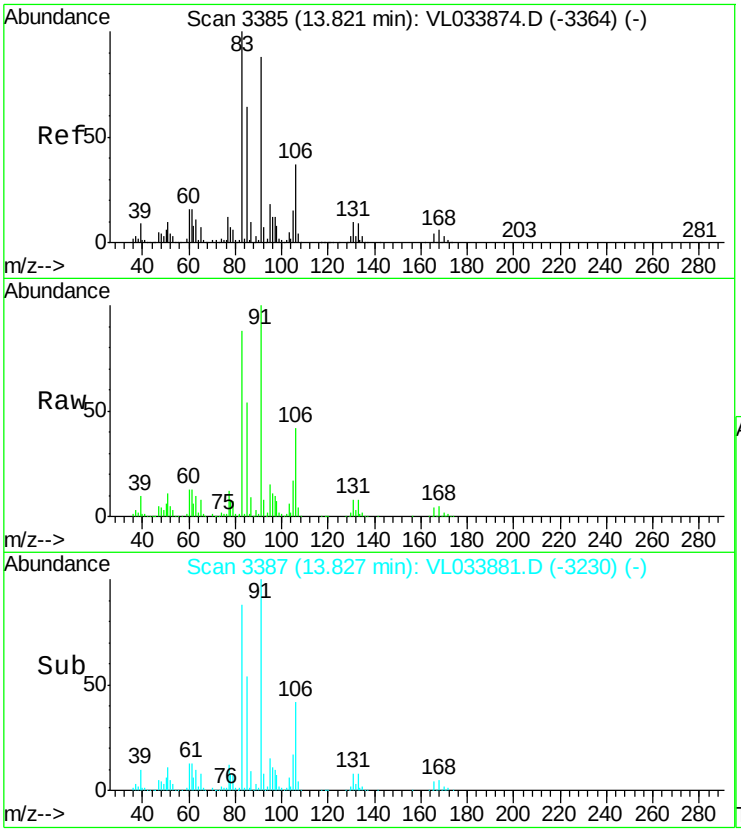


#62
Isopropylbenzene
Concen: 10.762 ppbv
RT: 14.81 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:105 Resp: 4011969

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.3	30.5



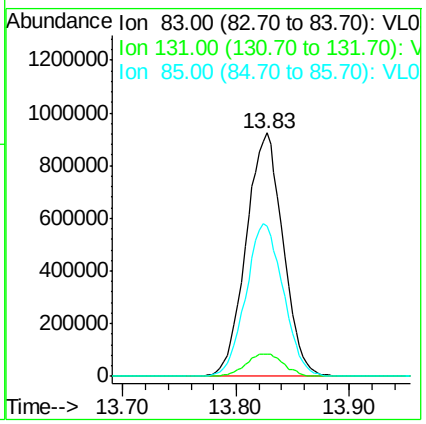


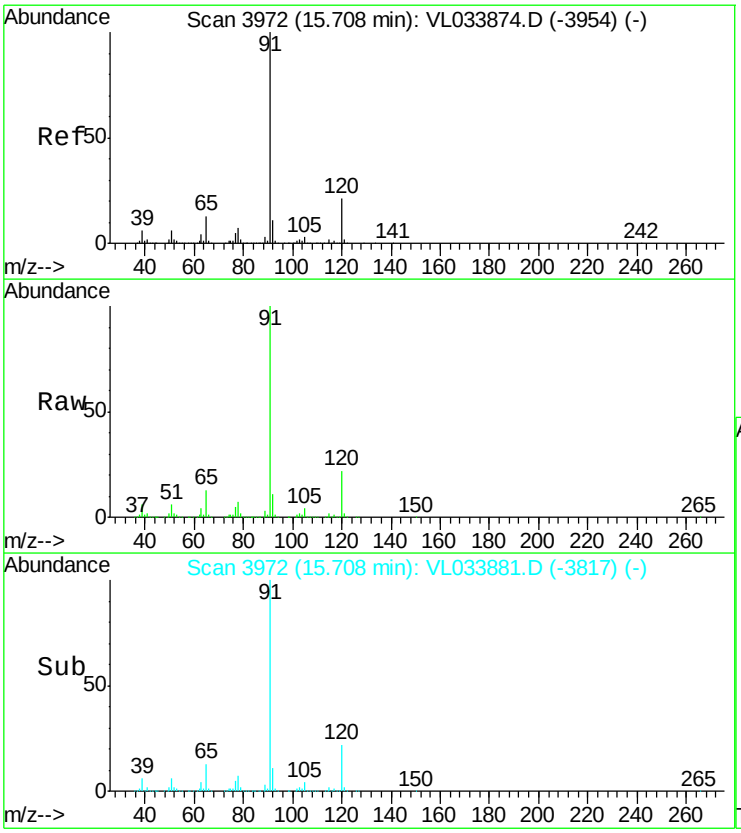
#63
1,1,2,2-Tetrachloroethane
Concen: 10.059 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2094364

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	63.6	32.1	96.3

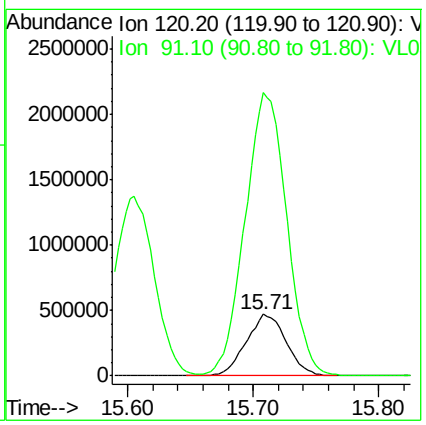


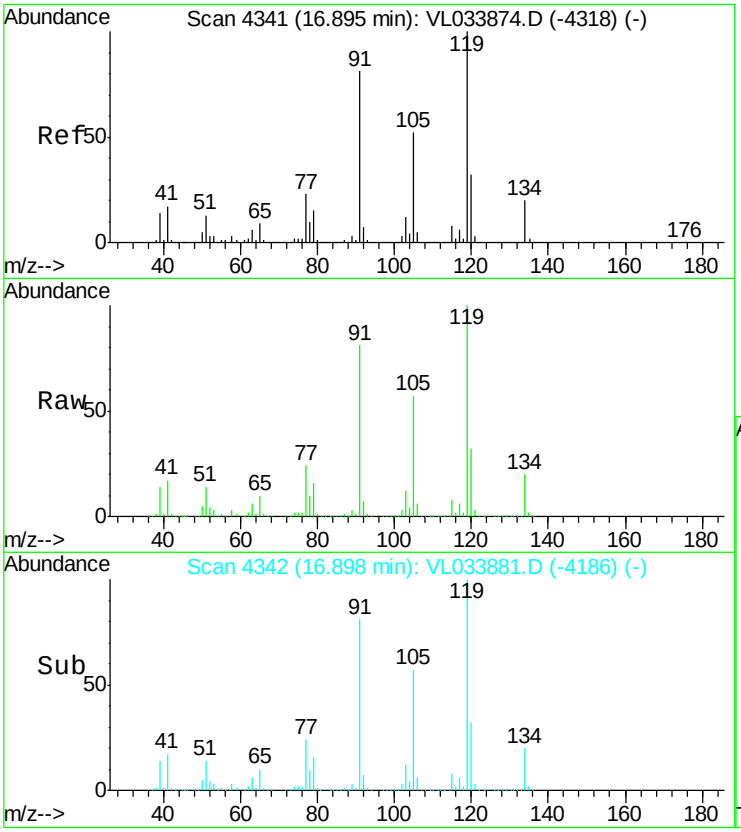


#64
n-propylbenzene
Concen: 11.002 ppbv
RT: 15.71 min Scan# 3972
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:120 Resp: 1050318

Ion	Ratio	Lower	Upper
120	100		
91	477.2	387.0	580.6



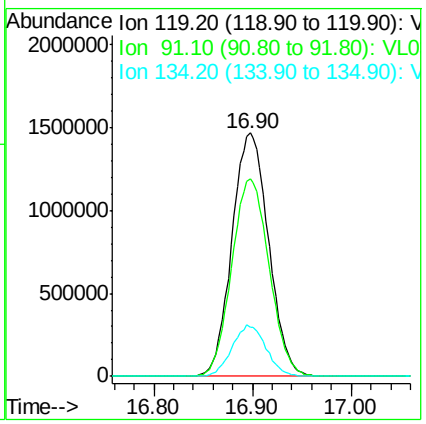


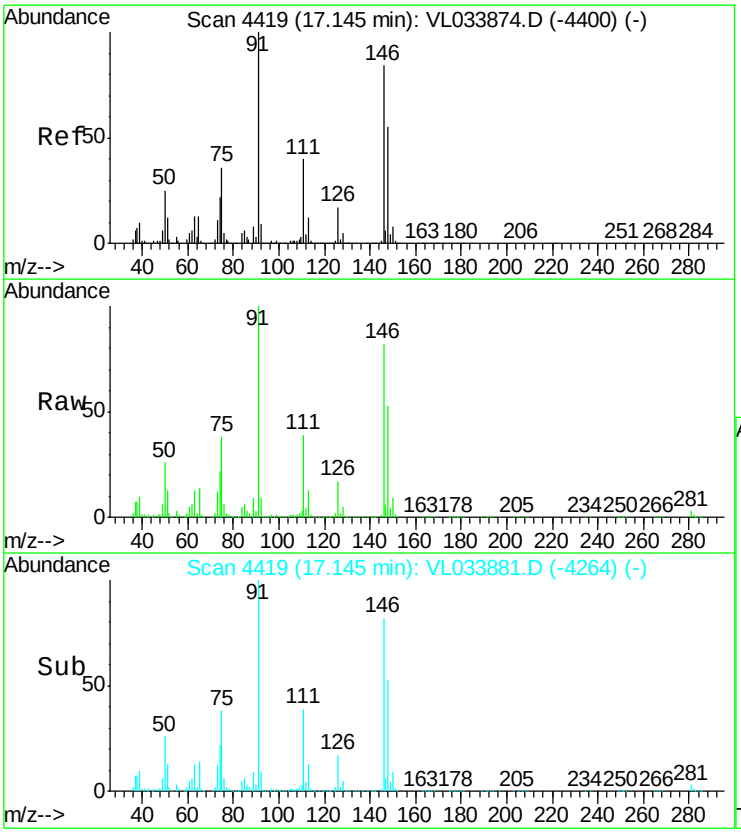
#65
tert-Butylbenzene
Concen: 10.945 ppbv
RT: 16.90 min Scan# 4342
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3775450

Ion	Ratio	Lower	Upper
119	100		
91	83.1	66.6	100.0
134	19.5	15.5	23.3

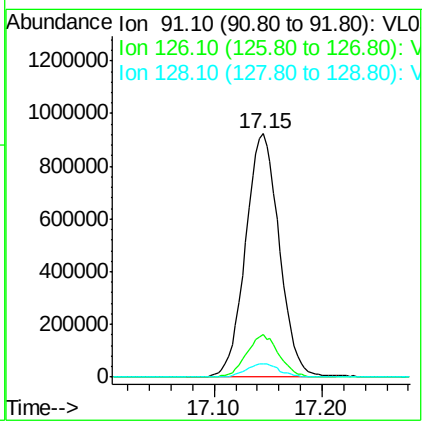


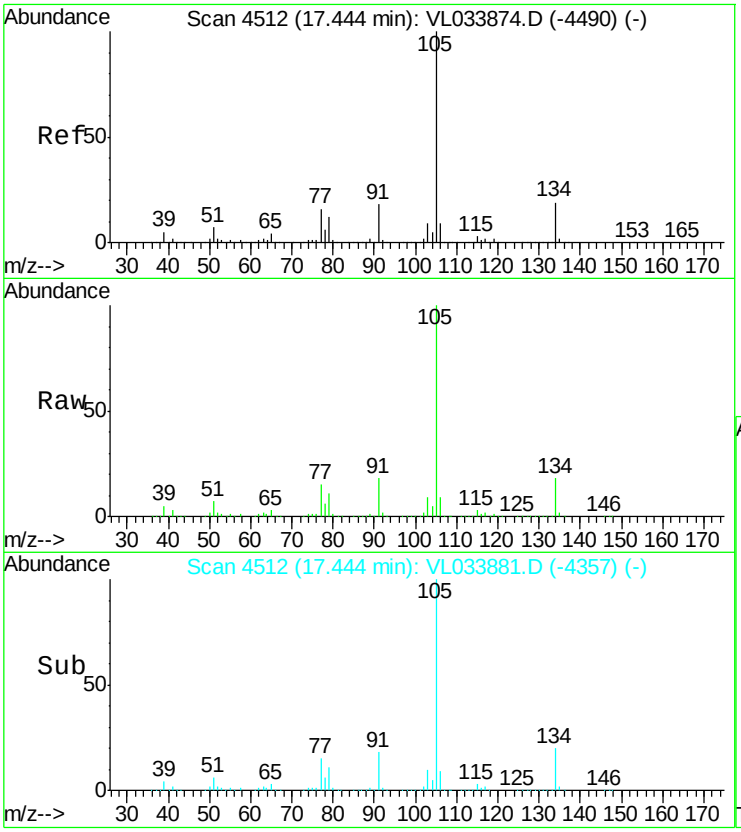


#66
Benzyl Chloride
Concen: 11.443 ppbv
RT: 17.15 min Scan# 4419
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 91 Resp: 2000331

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.8	20.6
128	5.5	4.4	6.6



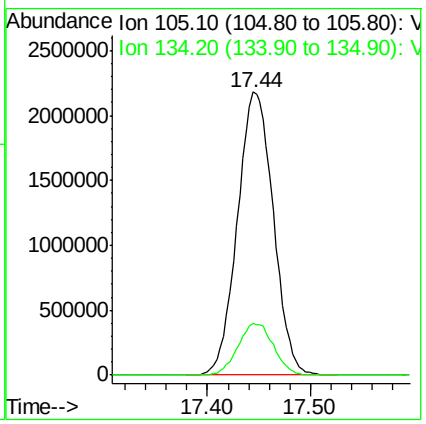


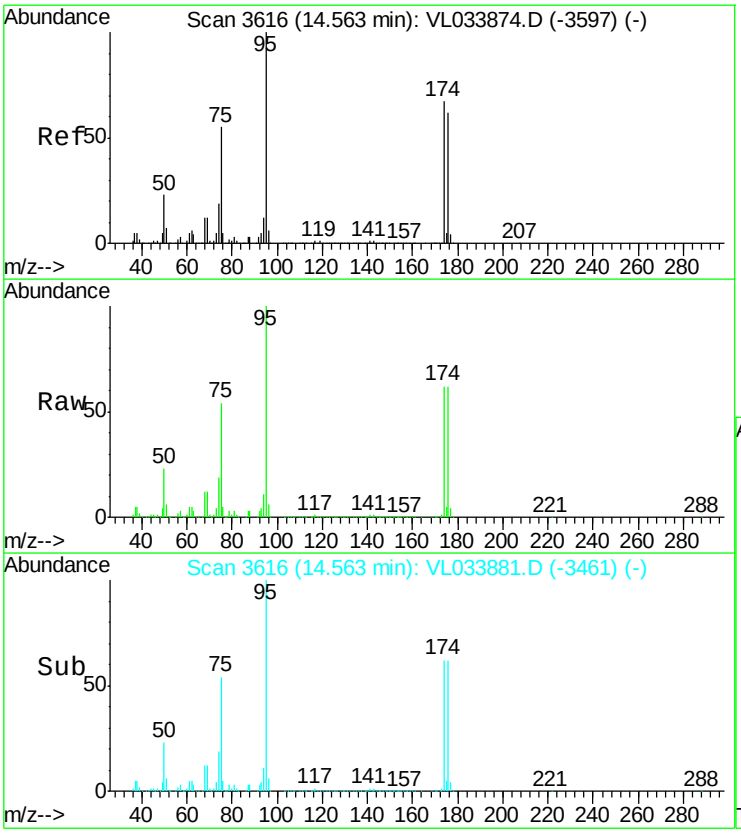
#67
sec-Butylbenzene
Concen: 10.890 ppbv
RT: 17.44 min Scan# 4512
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 5270134

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.6	22.0

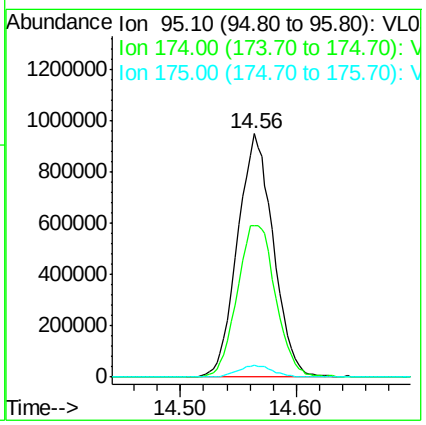


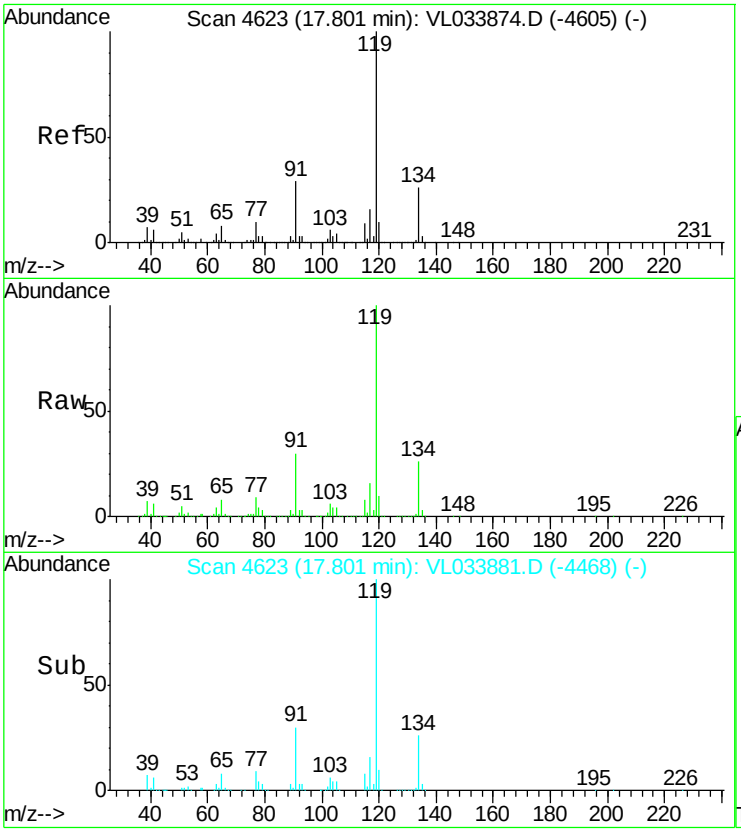


#68
1-Bromo-4-Fluorobenzene
Concen: 9.463 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 95 Resp: 2030923

Ion	Ratio	Lower	Upper
95	100		
174	67.1	54.0	81.0
175	4.9	3.8	5.8



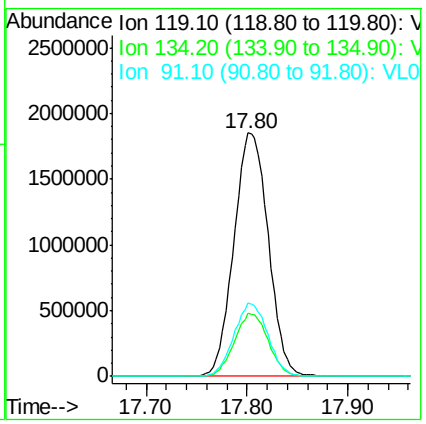


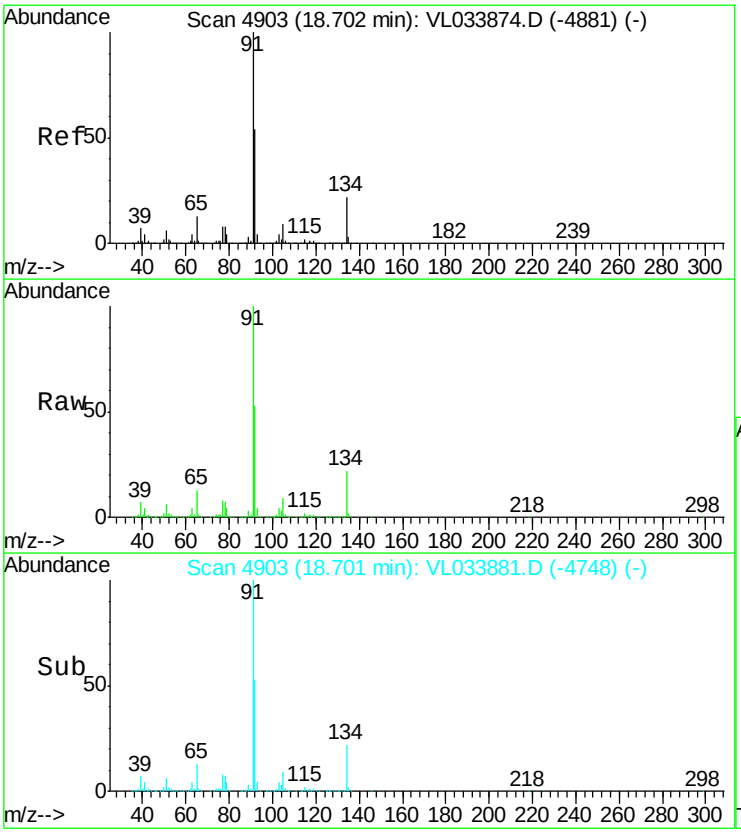
#69
p-Isopropyltoluene
Concen: 10.847 ppbv
RT: 17.80 min Scan# 4623
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4367647

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	29.6	23.8	35.6

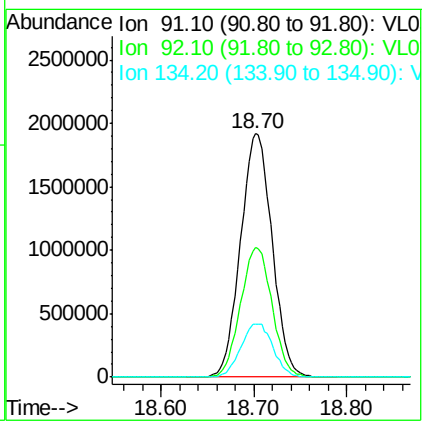


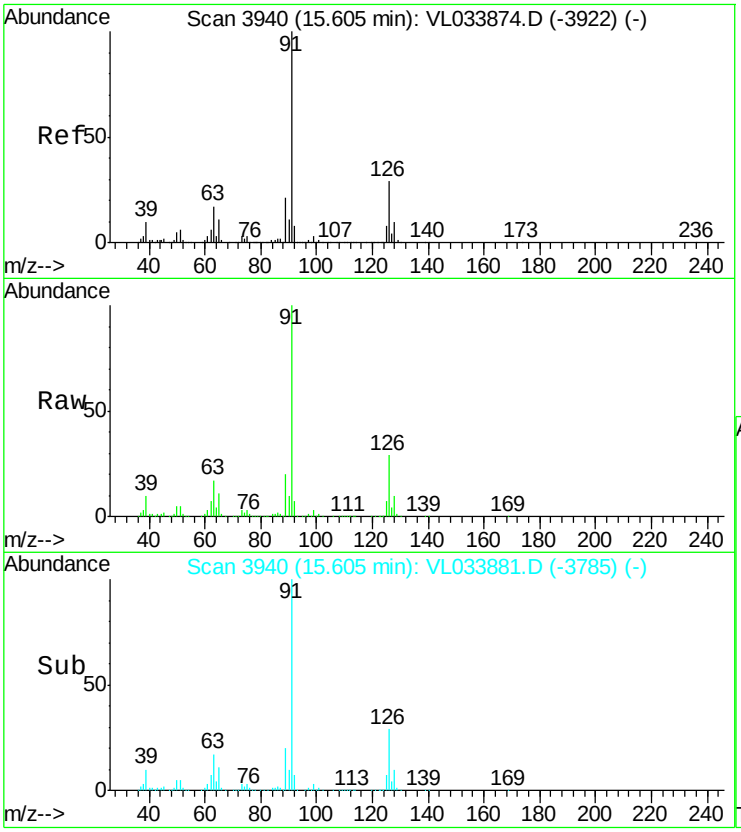


#70
n-Butylbenzene
Concen: 10.276 ppbv
RT: 18.70 min Scan# 4903
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion: 91 Resp: 4531709

Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.5	63.7
134	22.2	17.8	26.6



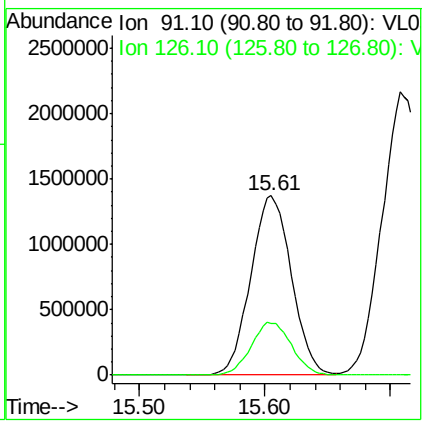


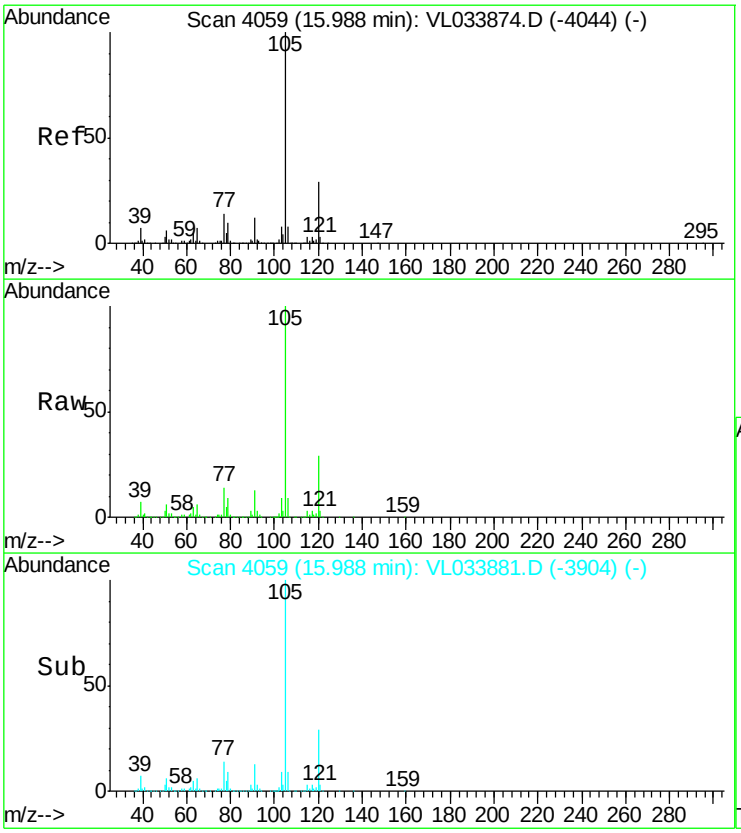
#71
2-Chlorotoluene
Concen: 11.277 ppbv
RT: 15.61 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3097276

Ion	Ratio	Lower	Upper
91	100		
126	29.3	12.0	48.2

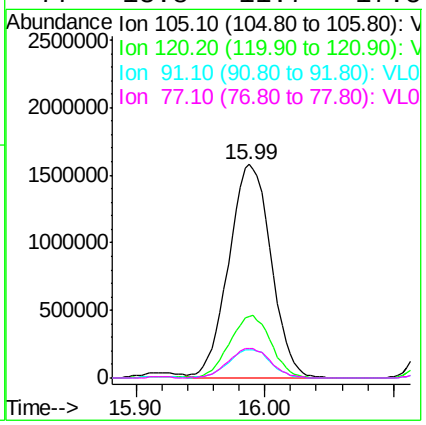


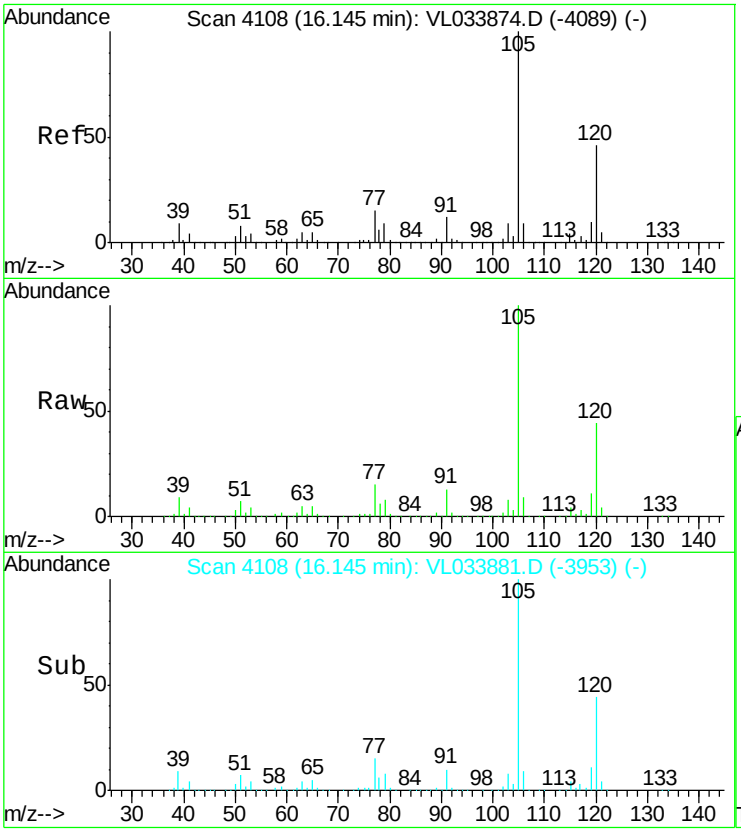


#72
4-Ethyltoluene
Concen: 11.434 ppbv
RT: 15.99 min Scan# 4059
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:105 Resp: 3598940

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.5	35.3
91	13.3	10.4	15.6
77	13.8	11.7	17.5



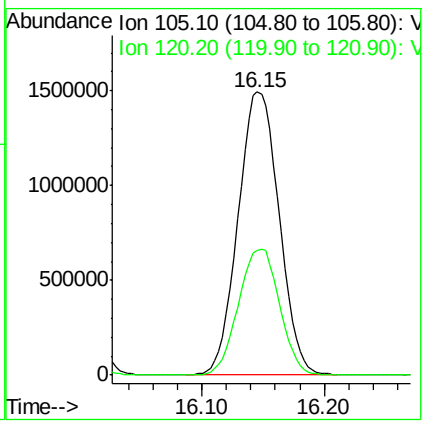


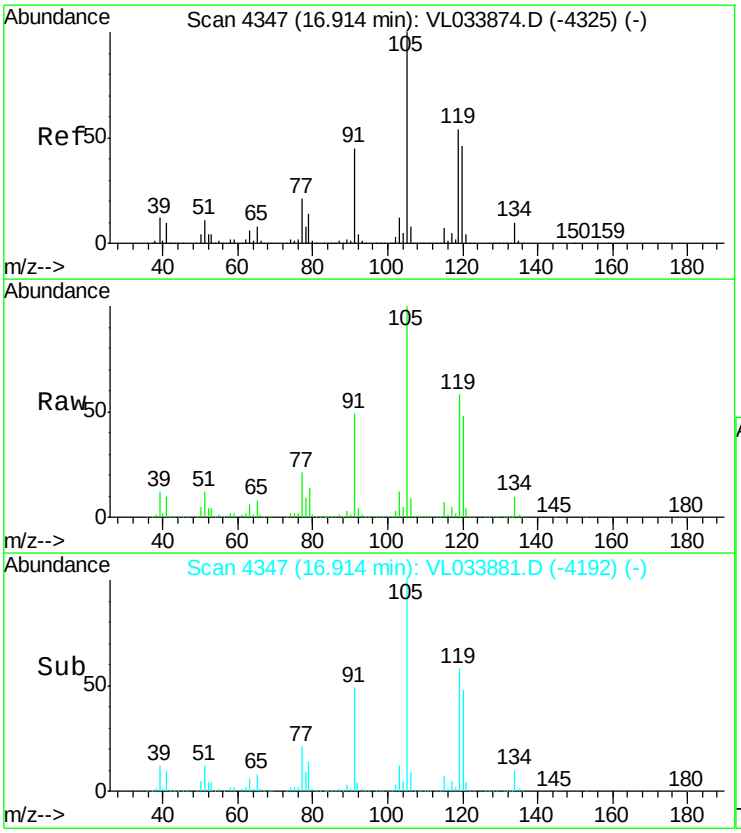
#73
1,3,5-Trimethylbenzene
Concen: 11.157 ppbv
RT: 16.15 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3459372

Ion	Ratio	Lower	Upper
105	100		
120	44.1	37.1	55.7

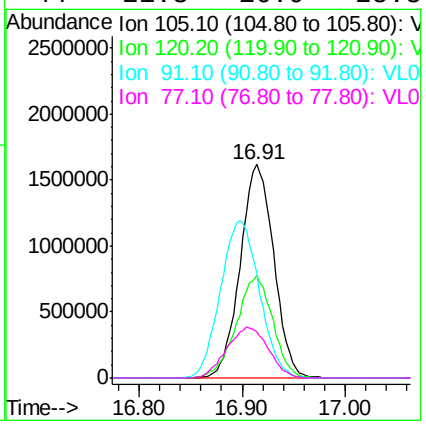


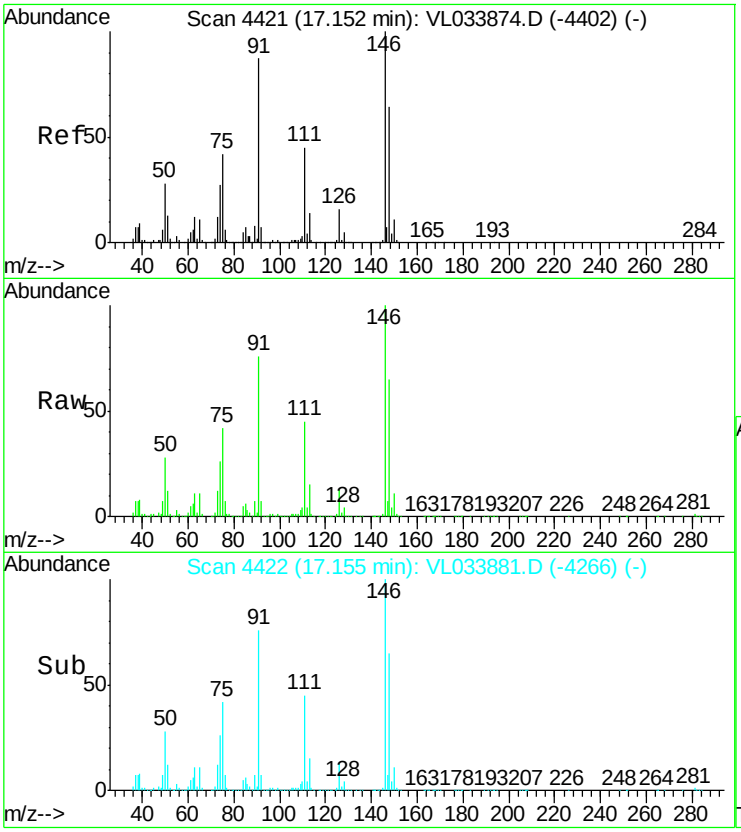


#74
1,2,4-Trimethylbenzene
Concen: 10.248 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:105 Resp: 3662328

Ion	Ratio	Lower	Upper
105	100		
120	48.0	36.7	55.1
91	49.1	35.8	53.8
77	21.3	16.9	25.3



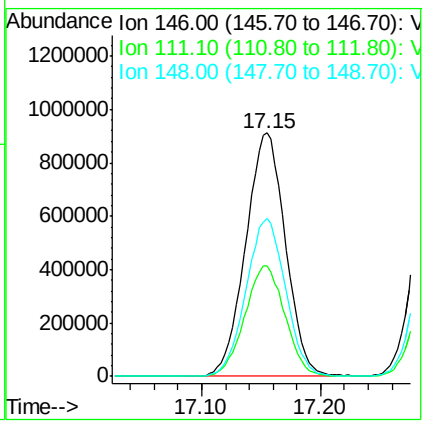


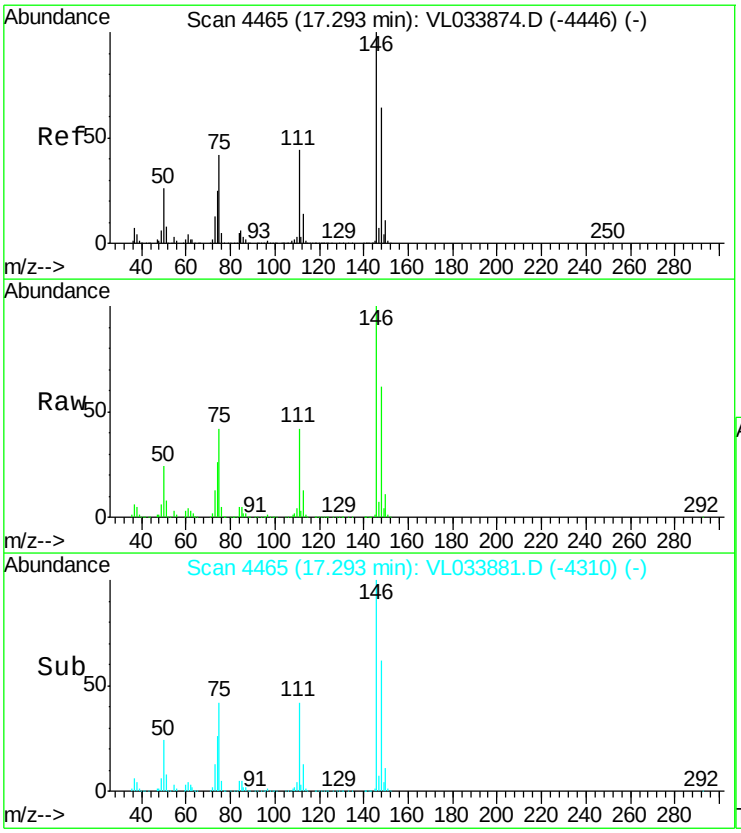
#75
1,3-Dichlorobenzene
Concen: 9.419 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. 0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2107836

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.8	68.3
148	64.4	32.2	96.6

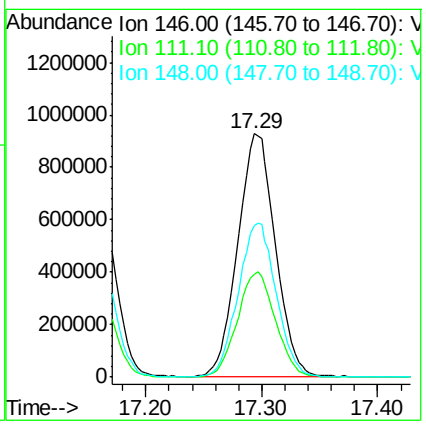


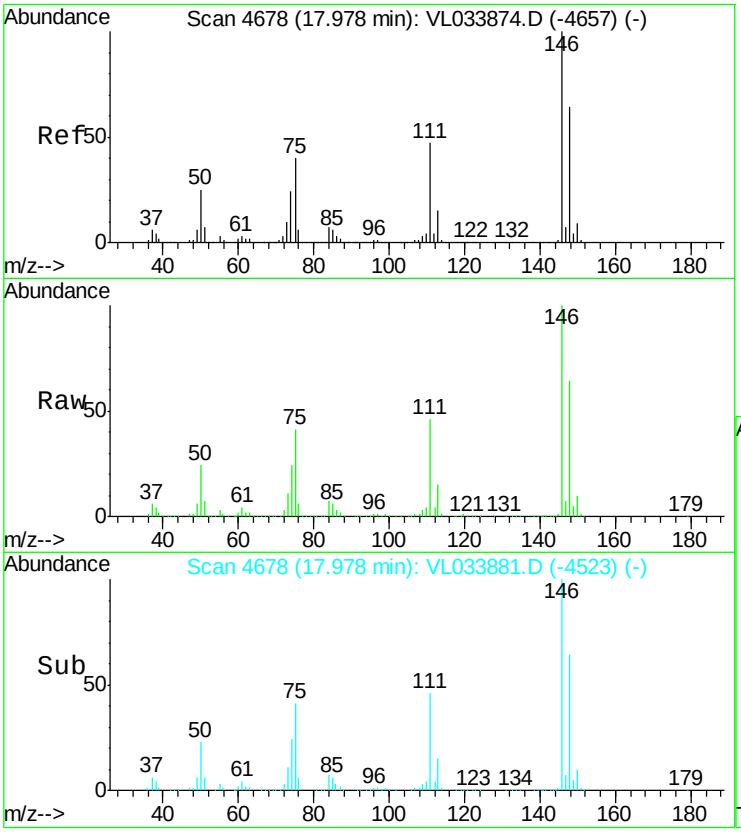


#76
1,4-Dichlorobenzene
Concen: 10.167 ppbv
RT: 17.29 min Scan# 4465
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:146 Resp: 2089190

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.5
148	64.5	32.4	97.0



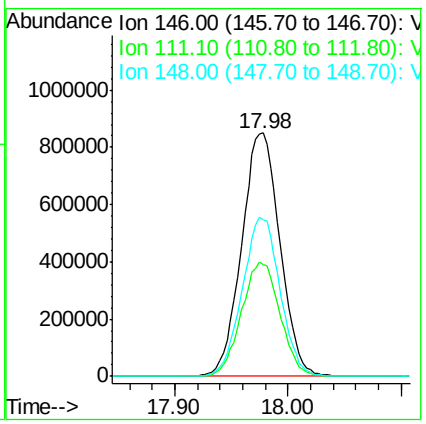


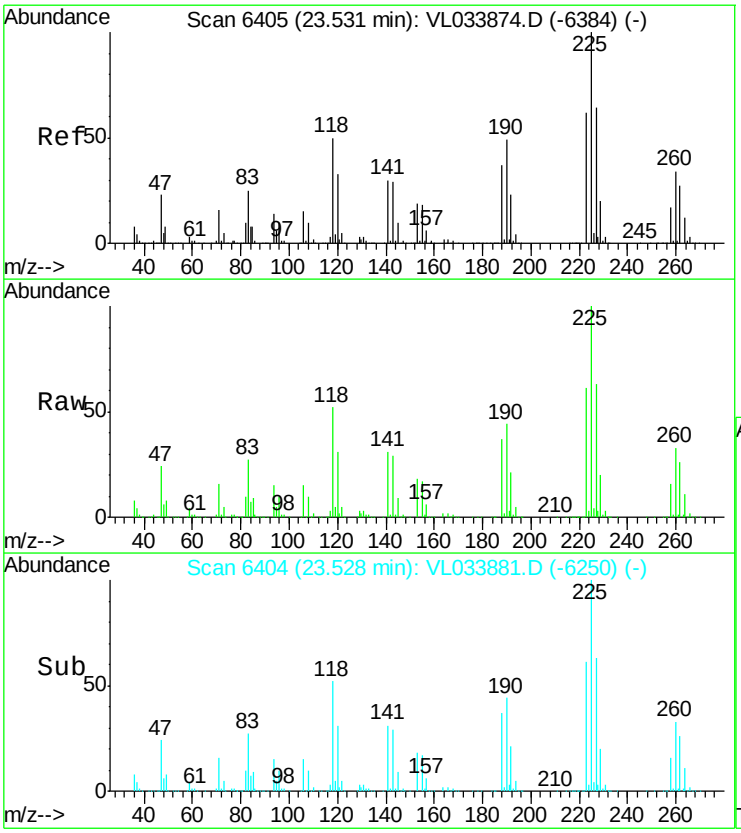
#77
1,2-Dichlorobenzene
Concen: 9.672 ppbv
RT: 17.98 min Scan# 4678
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1997528

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.4	70.0
148	64.6	31.8	95.4

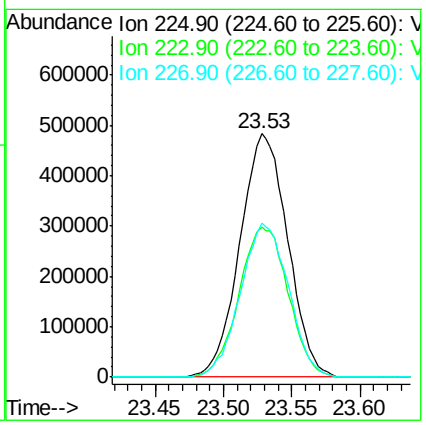


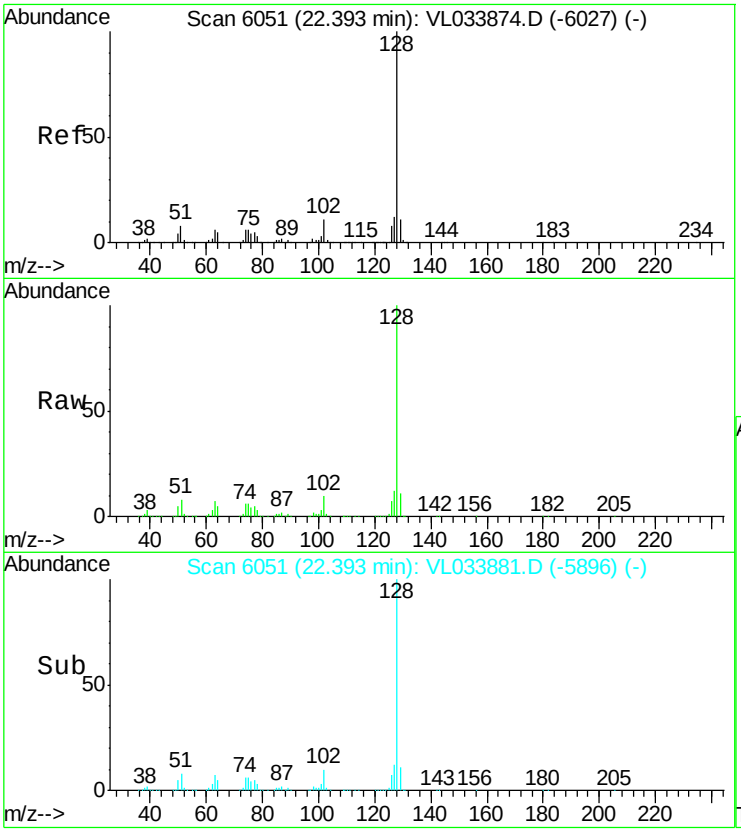


#78
Hexachloro-1,3-Butadiene
Concen: 7.289 ppbv
RT: 23.53 min Scan# 6404
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:225 Resp: 1175718

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.8	76.2
227	63.7	51.8	77.6



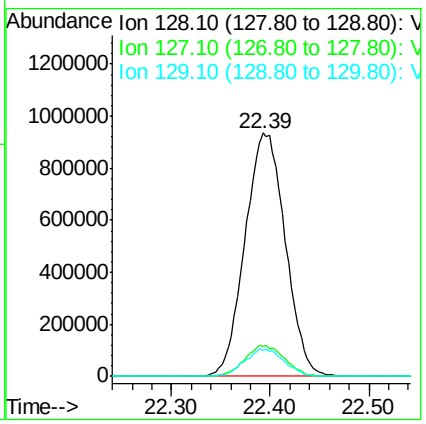


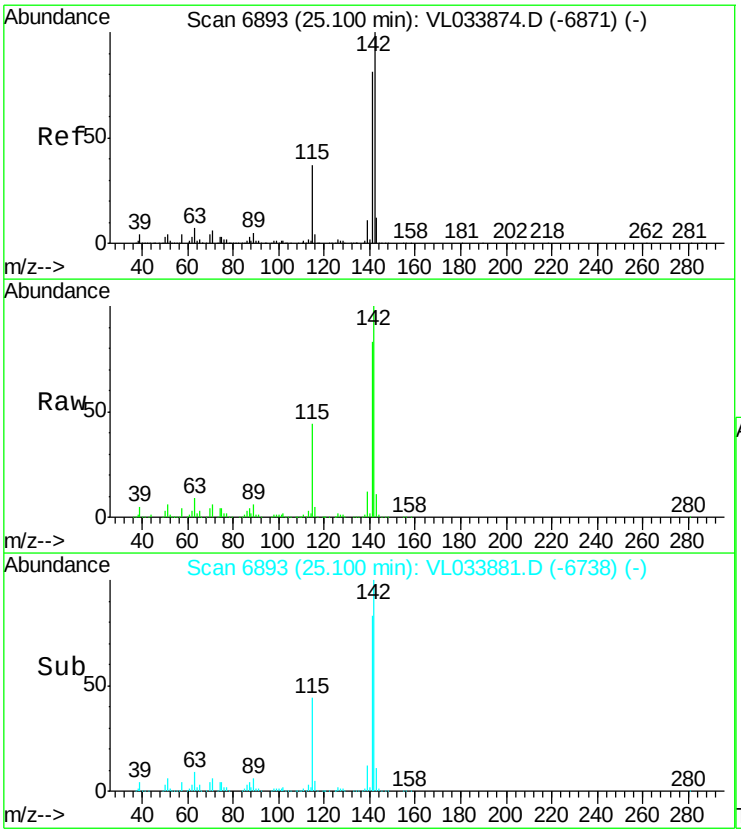
#79
Naphthalene
Concen: 9.235 ppbv
RT: 22.39 min Scan# 6051
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 2637844

Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.7	14.5
129	10.7	8.6	12.8

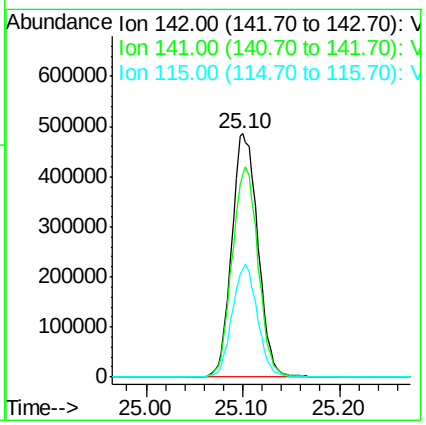


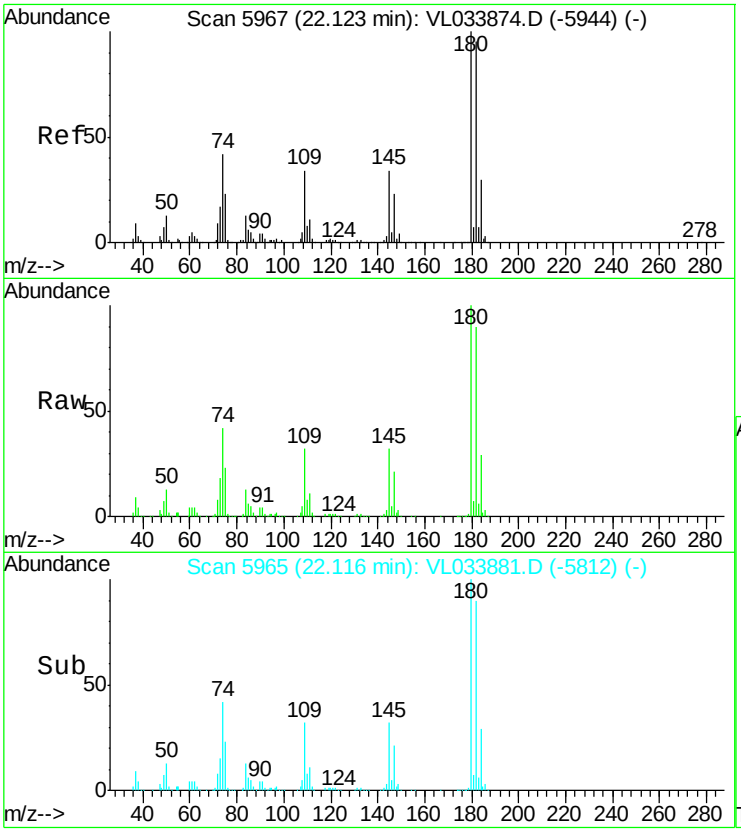


#80
Naphthalene,2-methyl-
Concen: 7.993 ppbv
RT: 25.10 min Scan# 6893
Delta R.T. -0.00 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Tgt Ion:142 Resp: 910947

Ion	Ratio	Lower	Upper
142	100		
141	86.0	65.7	98.5
115	44.7	28.9	43.3#





#81
1,2,4-Trichlorobenzene
Concen: 8.704 ppbv
RT: 22.12 min Scan# 5965
Delta R.T. -0.01 min
Lab File: VL033881.D
Acq: 7 Jun 2019 7:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 1569661

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.9	115.3
184	30.4	24.5	36.7