Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033332.D
Acq On : 15 Mar 2019 14:18
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Mar 15 14:50:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 14:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	816797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1886767	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2281279	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	1656731	9.55	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	2039883	13.794	ppbv	98
3) Chlorodifluoromethane	3.01	51	1325601	14.179	ppbv	98
4) Chloromethane	3.17	50	702310	13.821	ppbv	98
5) Vinyl Chloride	3.29	62	687205	13.331	ppbv	99
6) Bromomethane	3.52	94	447762	14.323	ppbv	98
7) Chloroethane	3.60	64	261153	14.126	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1714772	13.606	ppbv	100
9) Propene	3.04	41	575451	13.729	ppbv	100
10) Heptane	8.26	43	1549831	14.647	ppbv	100
11) Trichlorofluoromethane	4.01	101	2013882	14.339	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1299155	14.122	ppbv	99
13) Ethanol	3.65	45	138587	9.509	ppbv	98
14) Bromoethene	3.79	108	572046	14.701	ppbv	99
15) Acetone	3.90	43	1306983	10.451	ppbv	100
16) 1,3-Butadiene	3.36	39	619702	14.114	ppbv	93
17) tert-Butyl alcohol	4.36	59	239331	13.417	ppbv	99
18) 1,1-Dichloroethene	4.35	96	614874	15.091	ppbv	97
19) Isopropyl Alcohol	4.03	45	814767	12.986	ppbv	100
20) Methylene Chloride	4.41	84	509051	12.706	ppbv	99
21) Allyl Chloride	4.48	41	916219	14.809	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	635015	15.689	ppbv	96
23) Vinyl Acetate	5.16	43	2196751	15.041	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1504028	14.451	ppbv	99
25) Ethyl Acetate	5.77	43	2574467	14.224	ppbv	100
26) Hexane	5.79	57	1139056	13.754	ppbv	99
27) Carbon Disulfide	4.62	76	1492491	15.974	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	1779092	14.917	ppbv	100
29) Chloroform	5.86	83	1931691	14.311	ppbv	99
30) Cyclohexane	7.25	84	979044	14.930	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1231642	15.006	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	1919135	14.324	ppbv	99
34) 2-Butanone	5.33	43	1708424	14.276	ppbv	99
35) Carbon Tetrachloride	7.14	117	2085038	15.312	ppbv	99
36) Benzene	7.01	78	2502811	14.841	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1518235	14.439	ppbv	100
38) Trichloroethene	7.97	130	935926	14.100	ppbv	98
39) 1,2-Dichloropropane	7.74	63	922734	14.379	ppbv	98
40) 1,4-Dioxane	7.96	88	319612	13.597	ppbv	95
41) Tetrahydrofuran	6.15	42	993446	14.970	ppbv	99
42) Bromodichloromethane	7.93	83	2175151	15.178	ppbv	98
43) Methyl Methacrylate	8.14	69	1027940	15.634	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033332.D
Acq On : 15 Mar 2019 14:18
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Mar 15 14:50:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 14:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4026806	14.237	ppbv		99
45) t-1,3-Dichloropropene	9.43	75	1435136	17.815	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	1593265	16.837	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	1027887	14.890	ppbv		96
48) Dibromochloromethane	10.46	129	1882487	15.958	ppbv		100
49) Bromoform	13.21	173	1906989	17.859	ppbv		100
50) 4-Methyl-2-Pentanone	8.88	43	2584545	14.766	ppbv		99
51) 2-Hexanone	10.28	43	2067749	14.832	ppbv	#	100
52) Tetrachloroethene	11.38	164	1045990	15.354	ppbv		97
53) Toluene	9.96	91	2947052	15.320	ppbv		100
54) 1,2-Dibromoethane	10.77	107	1852891	16.468	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.29	131	1477490	14.433	ppbv	#	71
57) Chlorobenzene	12.31	112	2459402	13.573	ppbv		99
58) Ethyl Benzene	12.88	91	4672240	14.475	ppbv		99
59) m/p-Xylene	13.13	91	3829530	13.927	ppbv	#	100
60) o-Xylene	13.86	91	3809368	14.145	ppbv		100
61) Styrene	13.70	104	2884635	15.334	ppbv		99
62) Isopropylbenzene	14.84	105	5295329	14.227	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2621168	12.871	ppbv		100
64) n-propylbenzene	15.73	120	1365706	14.536	ppbv		97
65) tert-Butylbenzene	16.92	119	4747906	13.842	ppbv		99
66) Benzyl Chloride	17.17	91	2784209	19.894	ppbv		100
67) sec-Butylbenzene	17.47	105	6769777	13.811	ppbv		99
69) p-Isopropyltoluene	17.83	119	5563718	13.946	ppbv		99
70) n-Butylbenzene	18.72	91	5887497	13.816	ppbv		100
71) 2-Chlorotoluene	15.63	91	4153112	14.012	ppbv		100
72) 4-Ethyltoluene	16.01	105	4461213	14.517	ppbv		100
73) 1,3,5-Trimethylbenzene	16.17	105	4295785	14.116	ppbv		100
74) 1,2,4-Trimethylbenzene	16.94	105	4373522	13.654	ppbv		99
75) 1,3-Dichlorobenzene	17.18	146	2522908	13.541	ppbv		100
76) 1,4-Dichlorobenzene	17.32	146	2555168	13.927	ppbv		99
77) 1,2-Dichlorobenzene	18.00	146	2480222	13.758	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	1345814	12.403	ppbv		99
79) Naphthalene	22.42	128	4362187	13.944	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	2039868	13.525	ppbv		99
81) 1,2,4-Trichlorobenzene	22.15	180	2164175	13.342	ppbv		99

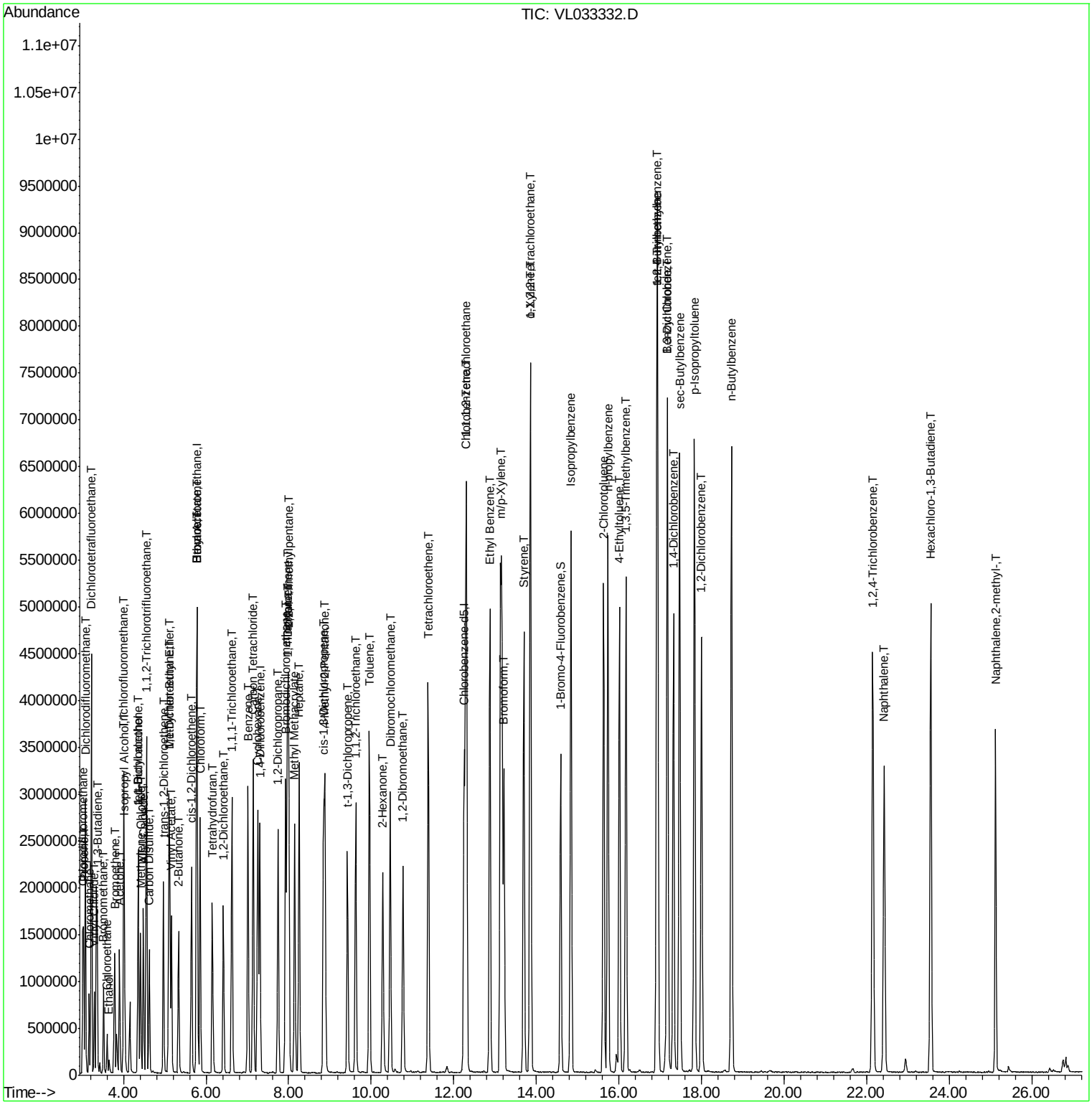
(#) = qualifier out of range (m) = manual integration (+) = signals summed

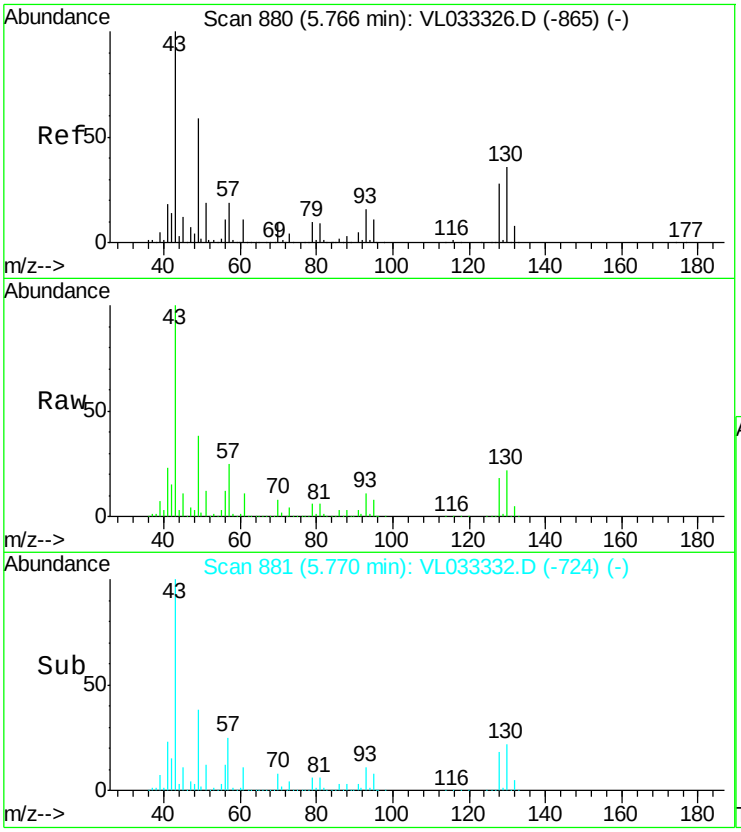
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033332.D
Acq On : 15 Mar 2019 14:18
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Mar 15 14:50:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 14:26:01 2019
Response via : Initial Calibration



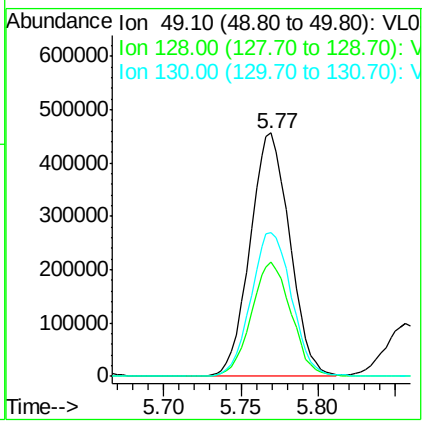


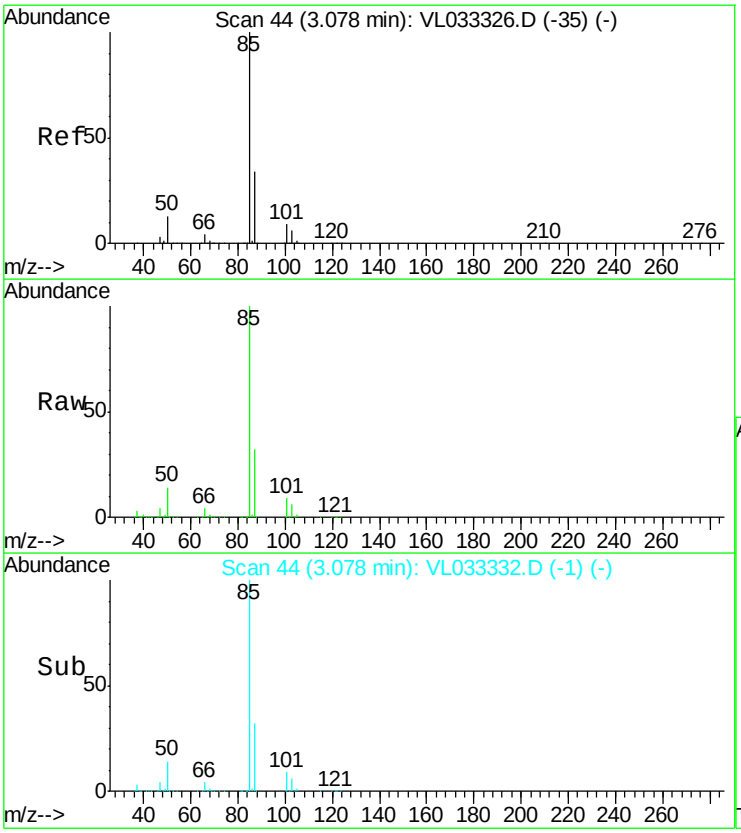
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 816797

Ion	Ratio	Lower	Upper
49	100		
128	46.8	23.5	70.6
130	60.4	30.1	90.3

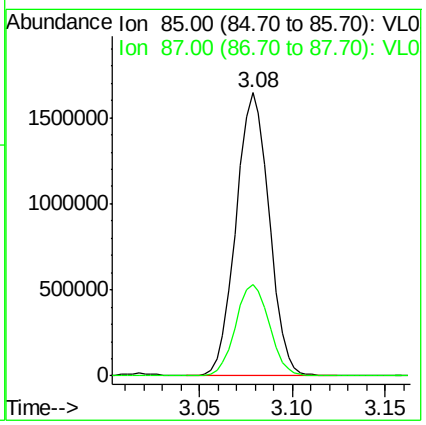


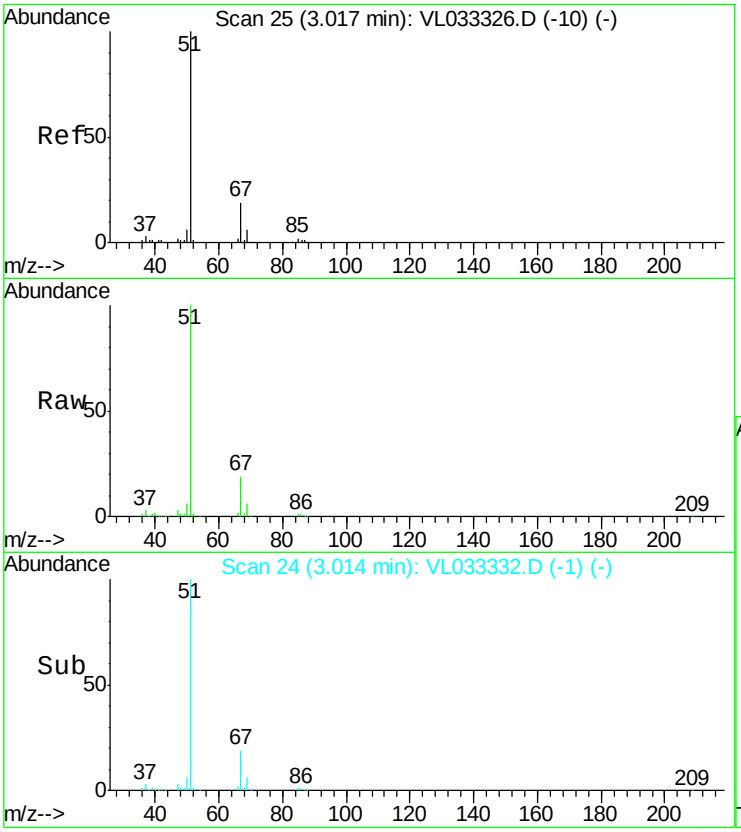


#2
Dichlorodifluoromethane
Concen: 13.794 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 85 Resp: 2039883

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.9	40.3



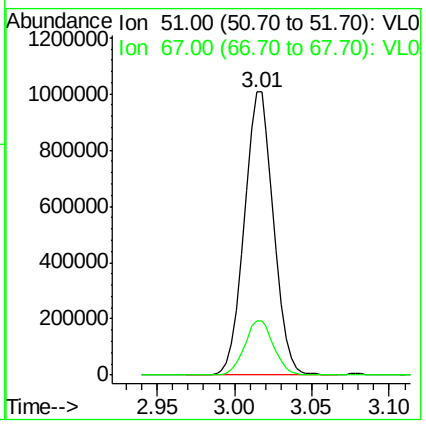


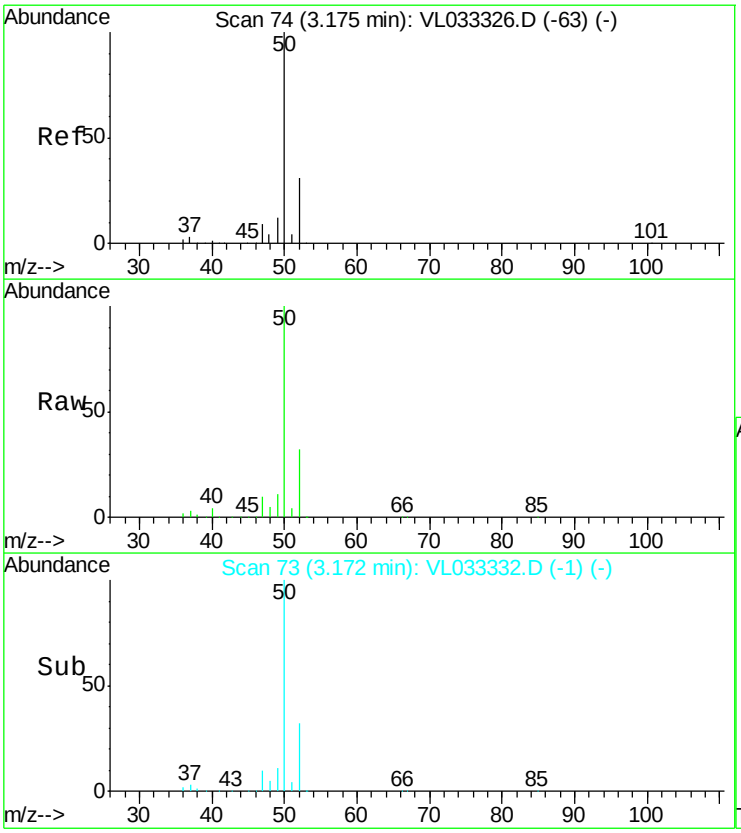
#3
Chlorodifluoromethane
Concen: 14.179 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 1325601

Ion	Ratio	Lower	Upper
51	100		
67	19.4	14.9	22.3

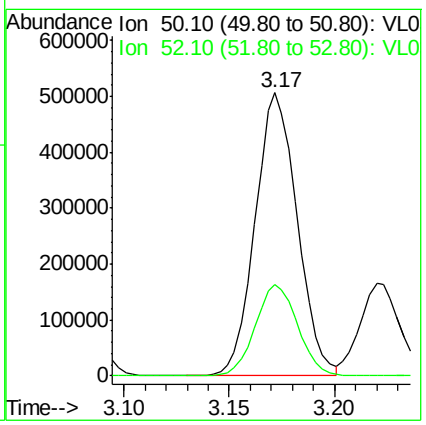


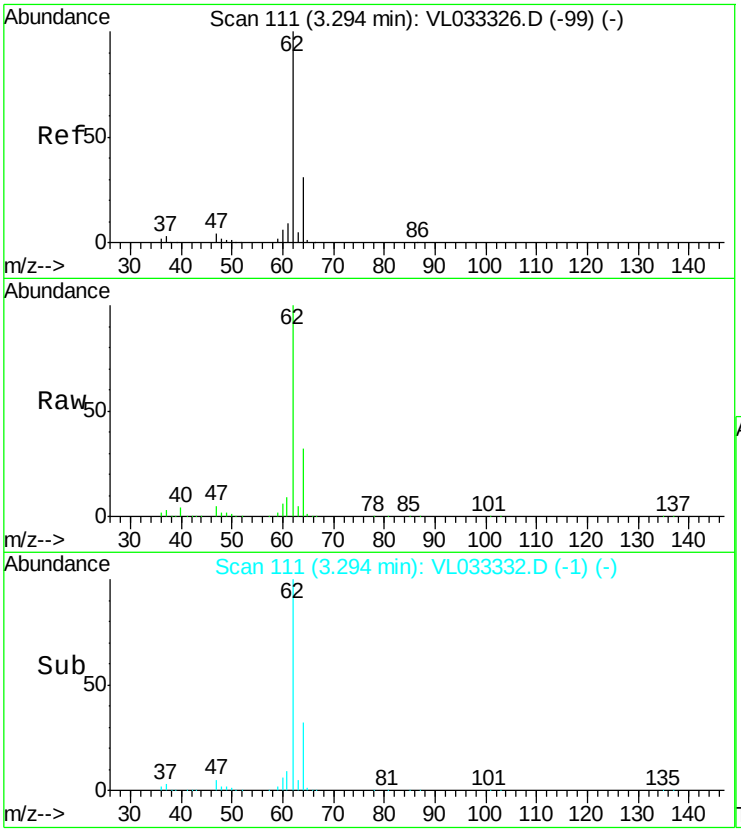


#4
Chloromethane
Concen: 13.821 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 50 Resp: 702310

Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.0	37.6



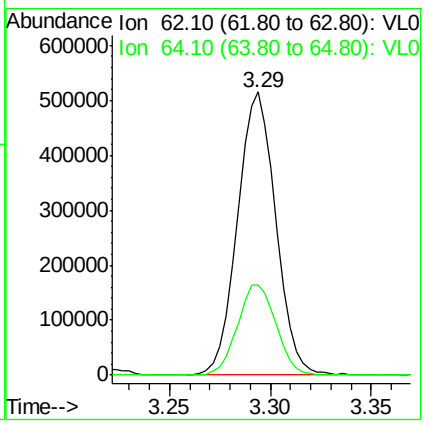


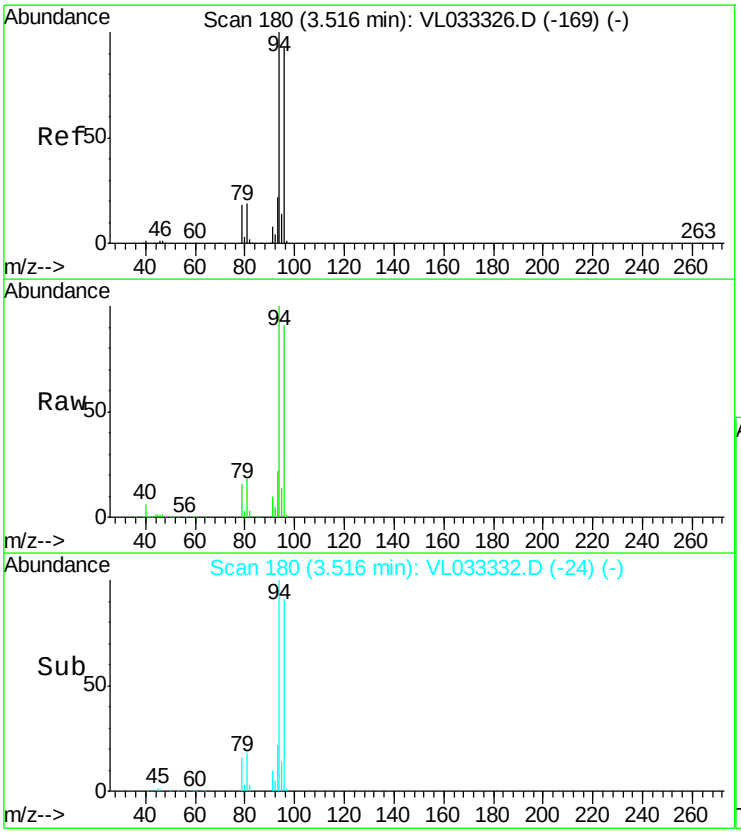
#5
Vinyl Chloride
Concen: 13.331 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 687205

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.0	37.6

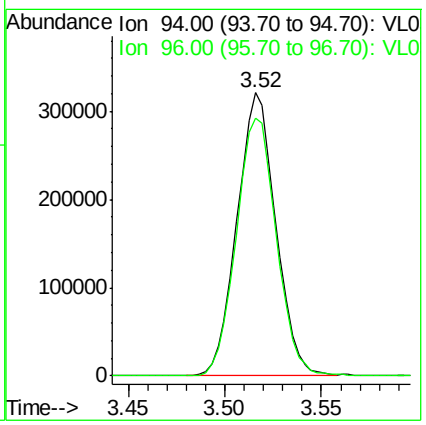


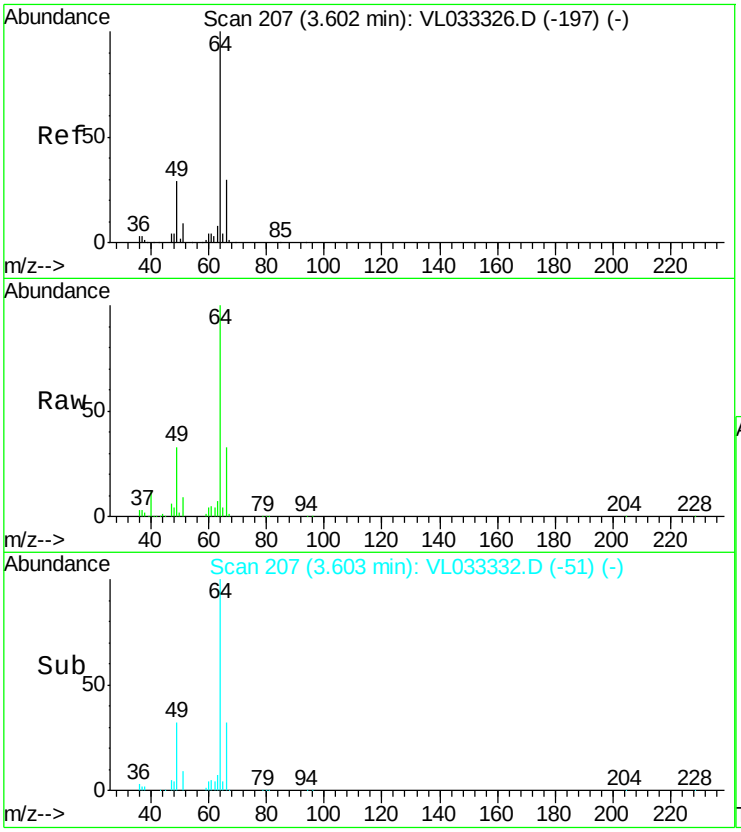


#6
Bromomethane
Concen: 14.323 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 94 Resp: 447762

Ion	Ratio	Lower	Upper
94	100		
96	91.0	74.6	111.8



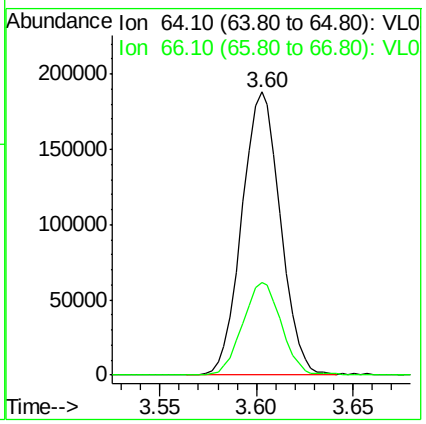


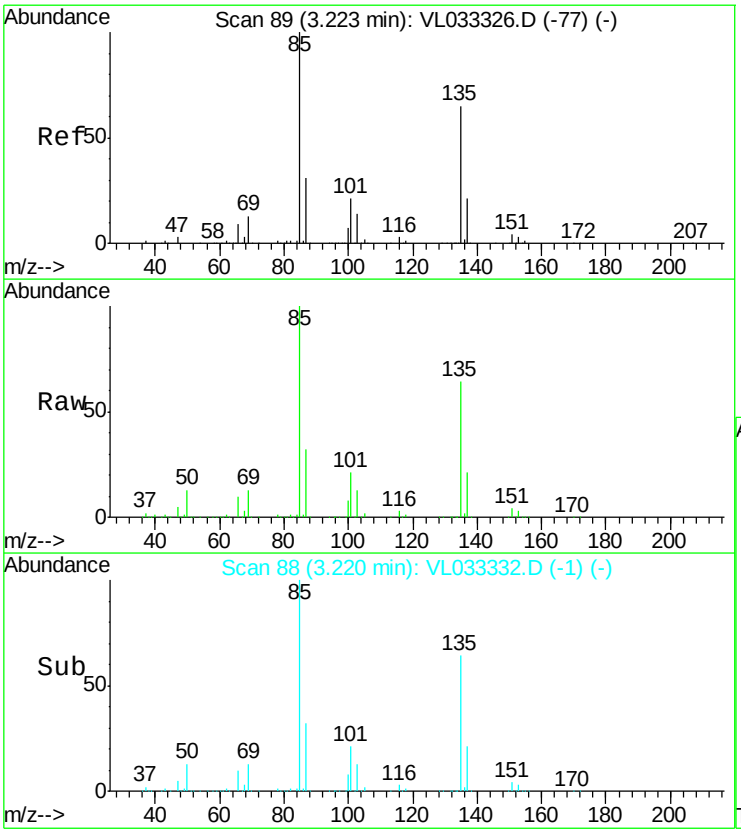
#7
Chloroethane
Concen: 14.126 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 261153

Ion	Ratio	Lower	Upper
64	100		
66	32.8	24.0	36.0

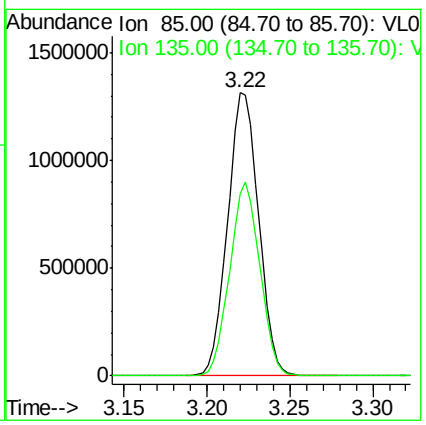


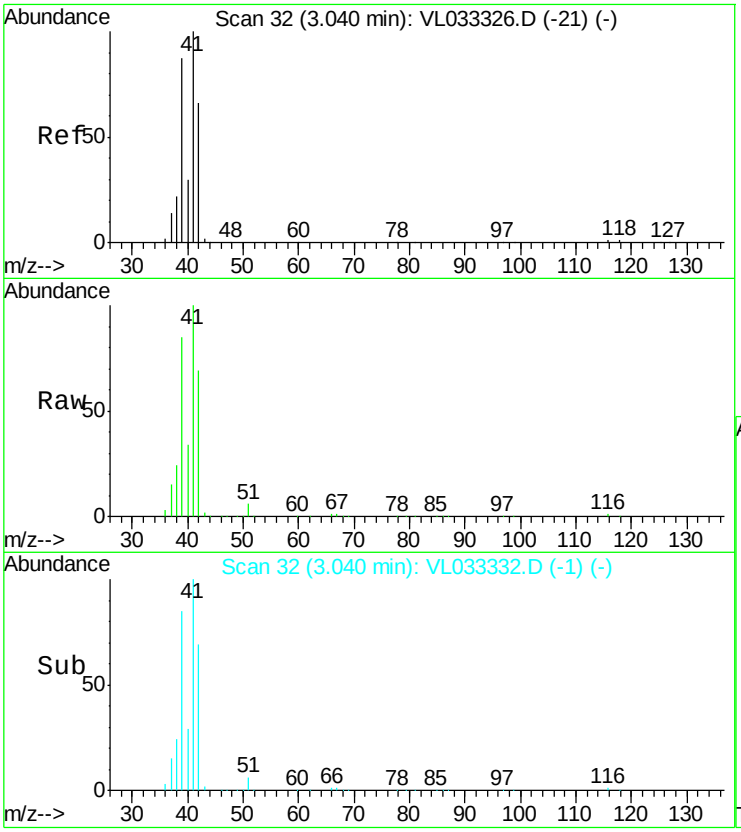


#8
Dichlorotetrafluoroethane
Concen: 13.606 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 85 Resp: 1714772

Ion	Ratio	Lower	Upper
85	100		
135	66.8	53.4	80.2



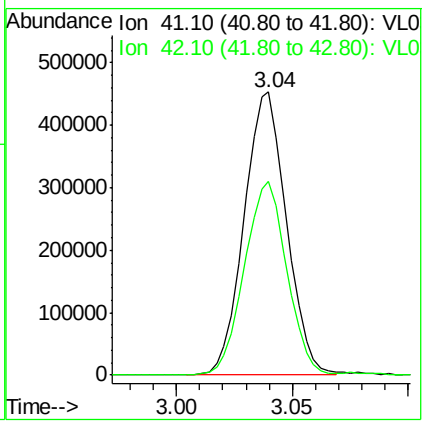


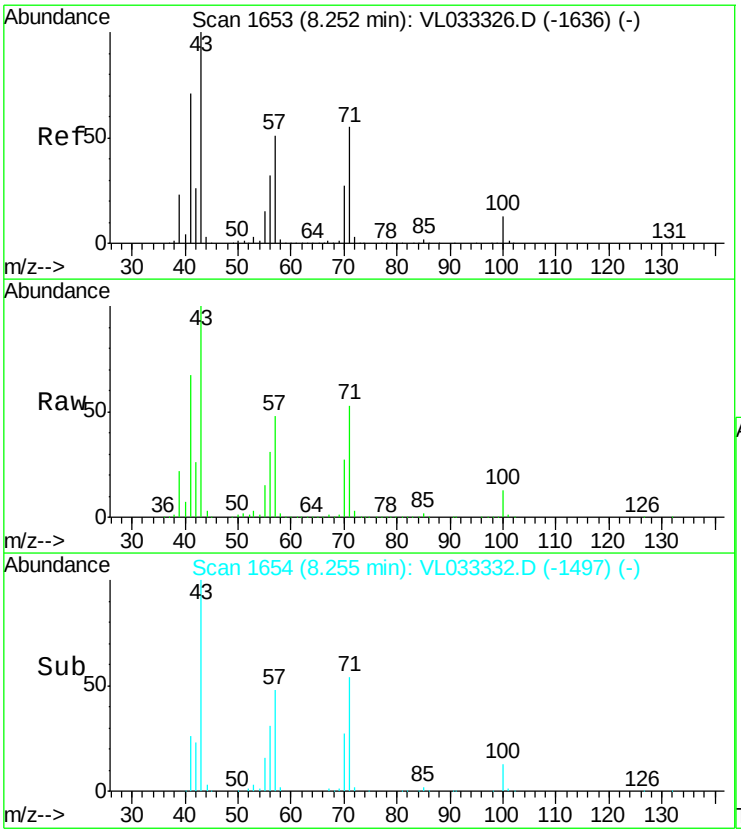
#9
Propene
Concen: 13.729 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 41 Resp: 575451

Ion	Ratio	Lower	Upper
41	100		
42	69.4	55.2	82.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

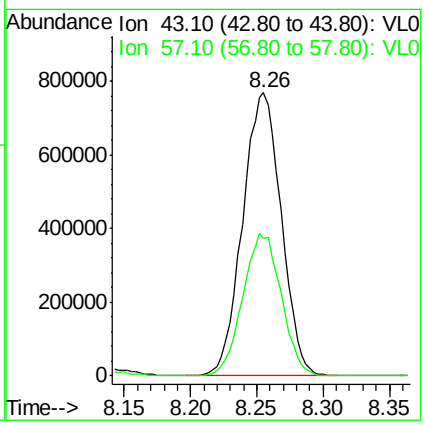


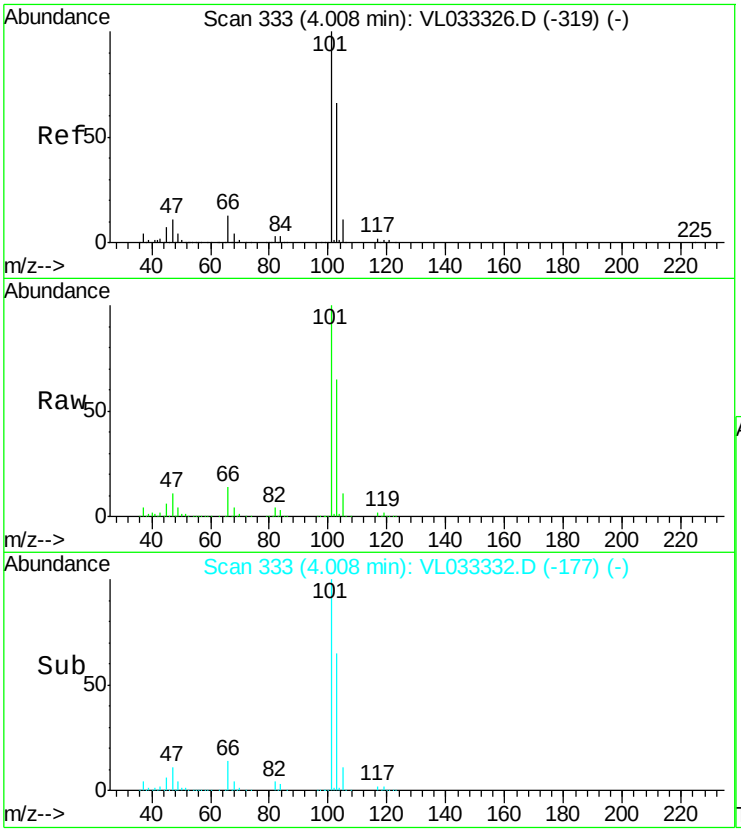


#10
Heptane
Concen: 14.647 ppbv
RT: 8.26 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 43 Resp: 1549831

Ion	Ratio	Lower	Upper
43	100		
57	50.2	40.4	60.6



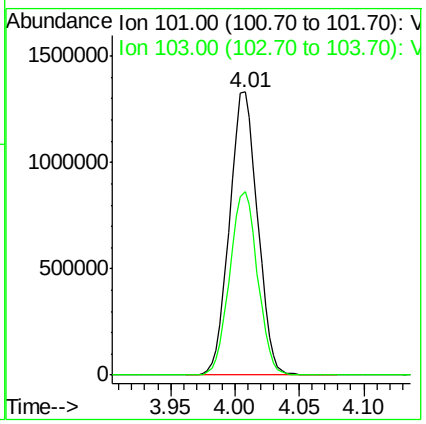


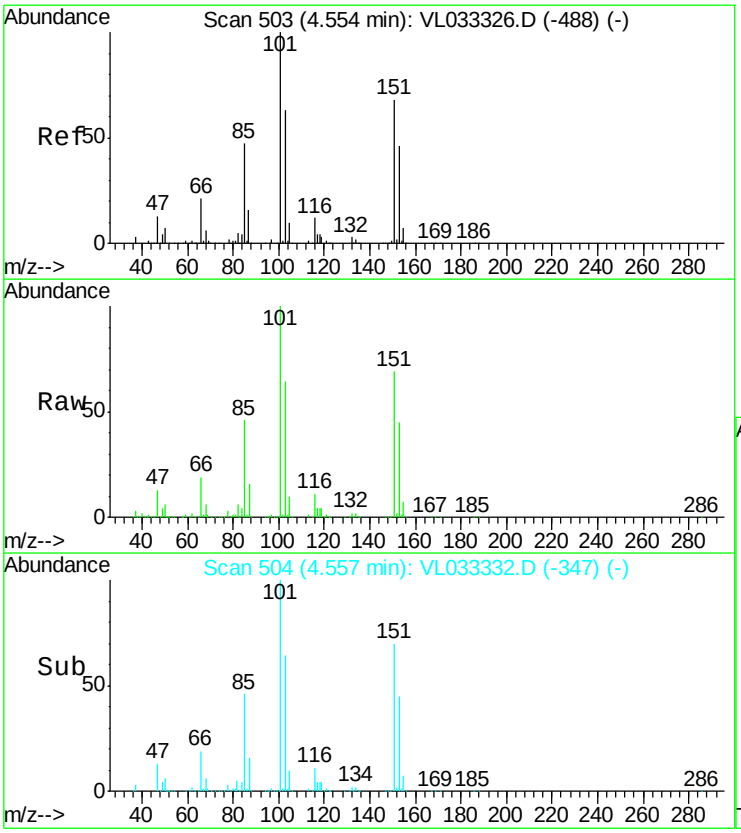
#11
Trichlorofluoromethane
Concen: 14.339 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 2013882

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.9	79.3

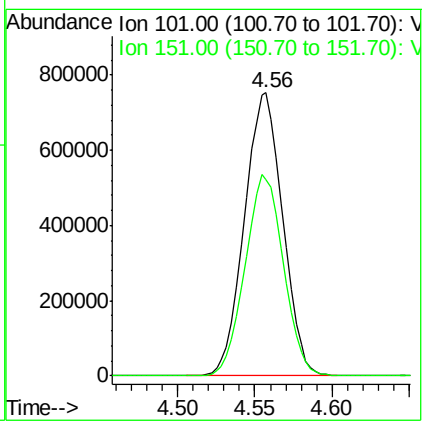


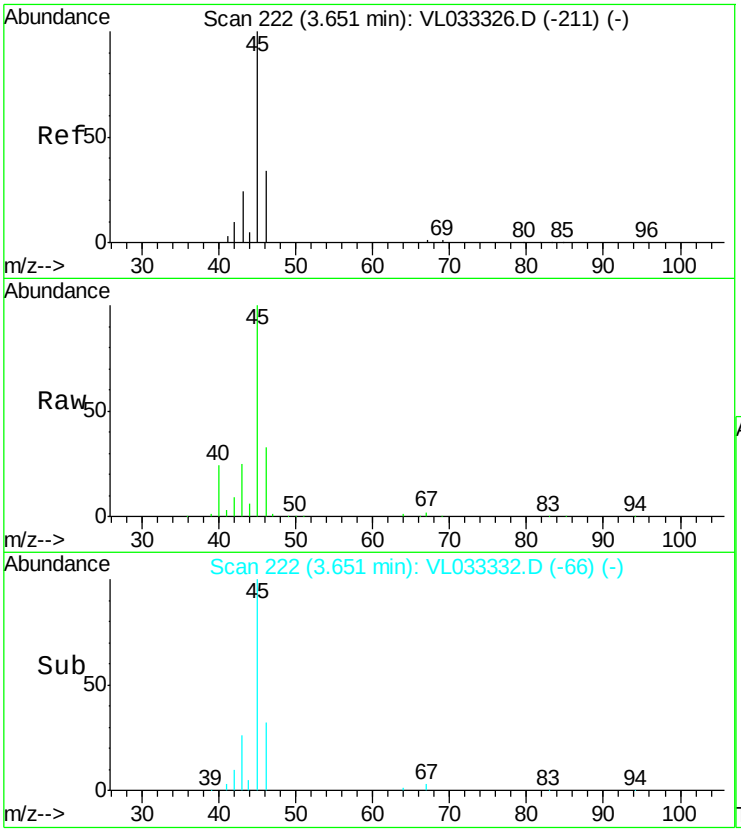


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.122 ppbv
RT: 4.56 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:101 Resp: 1299155

Ion	Ratio	Lower	Upper
101	100		
151	71.3	56.3	84.5



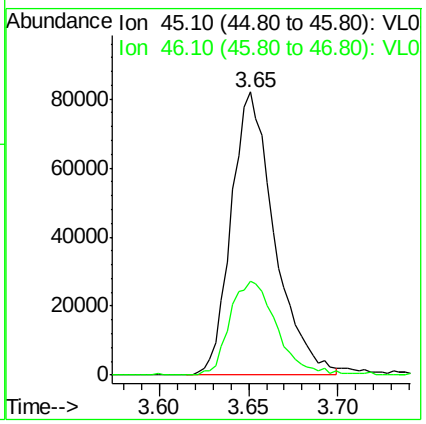


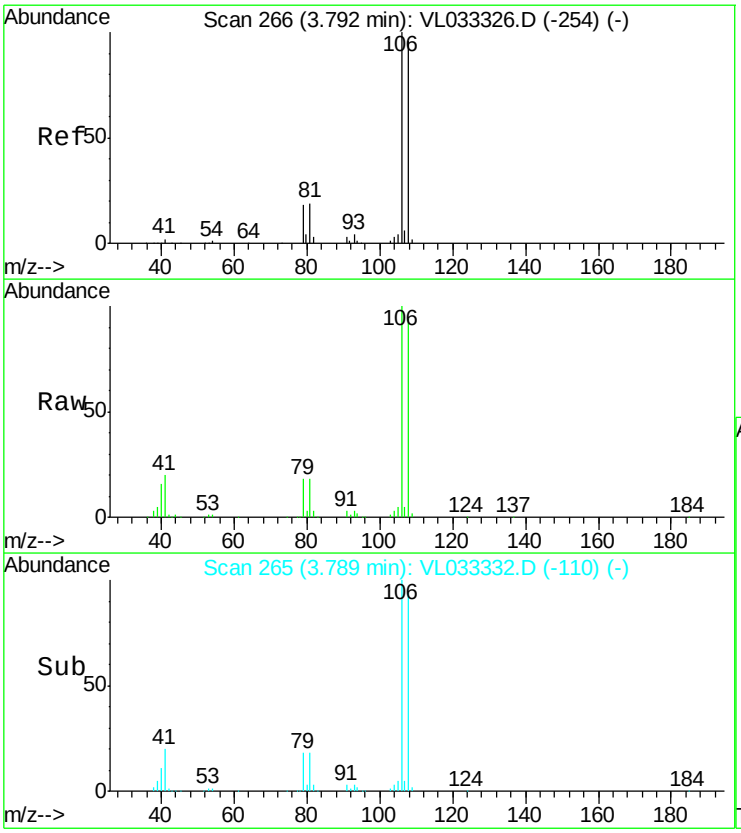
#13
Ethanol
Concen: 9.509 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 138587

Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.9	59.7

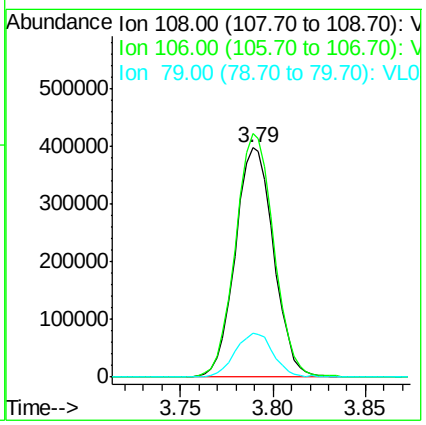


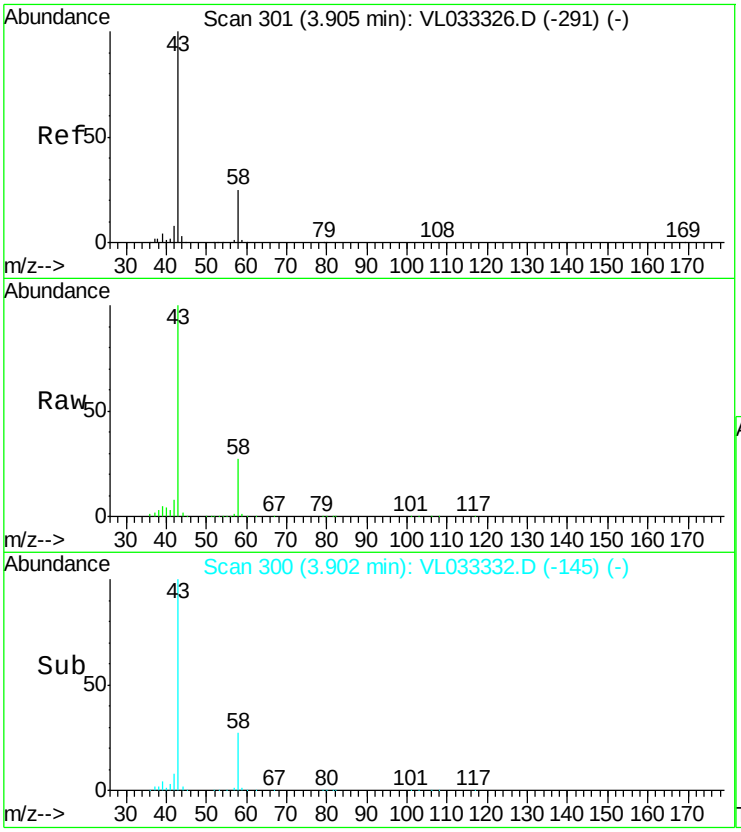


#14
Bromoethene
Concen: 14.701 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:108 Resp: 572046

Ion	Ratio	Lower	Upper
108	100		
106	106.3	86.2	129.2
79	19.4	15.4	23.2



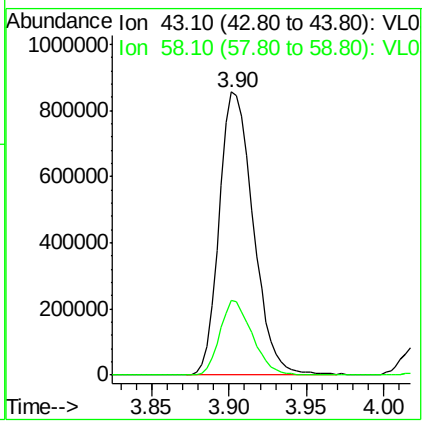


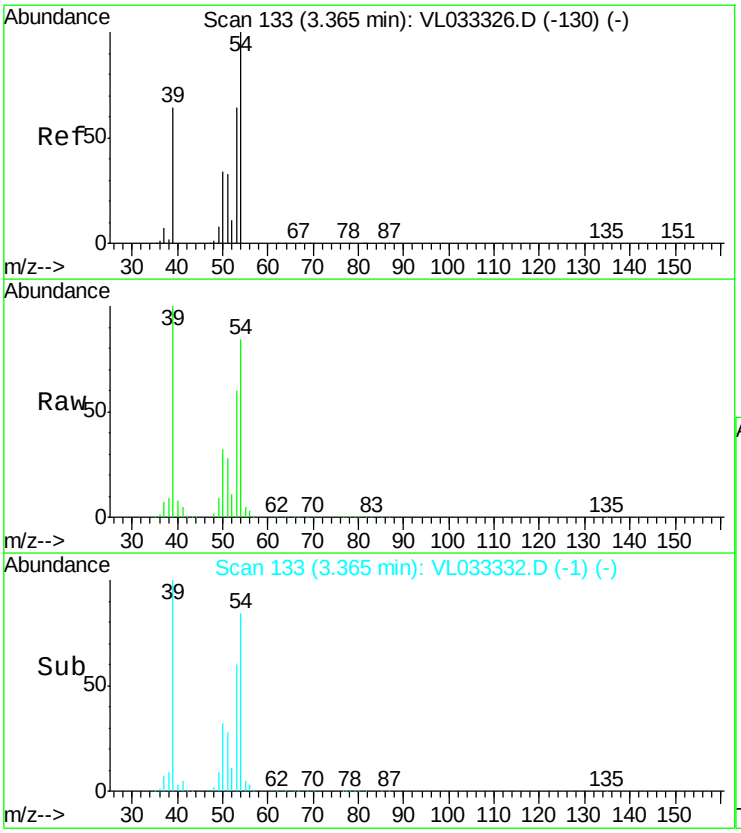
#15
Acetone
Concen: 10.451 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 1306983

Ion	Ratio	Lower	Upper
43	100		
58	25.4	20.4	30.6

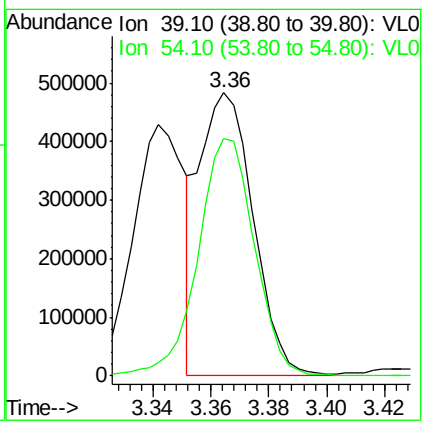


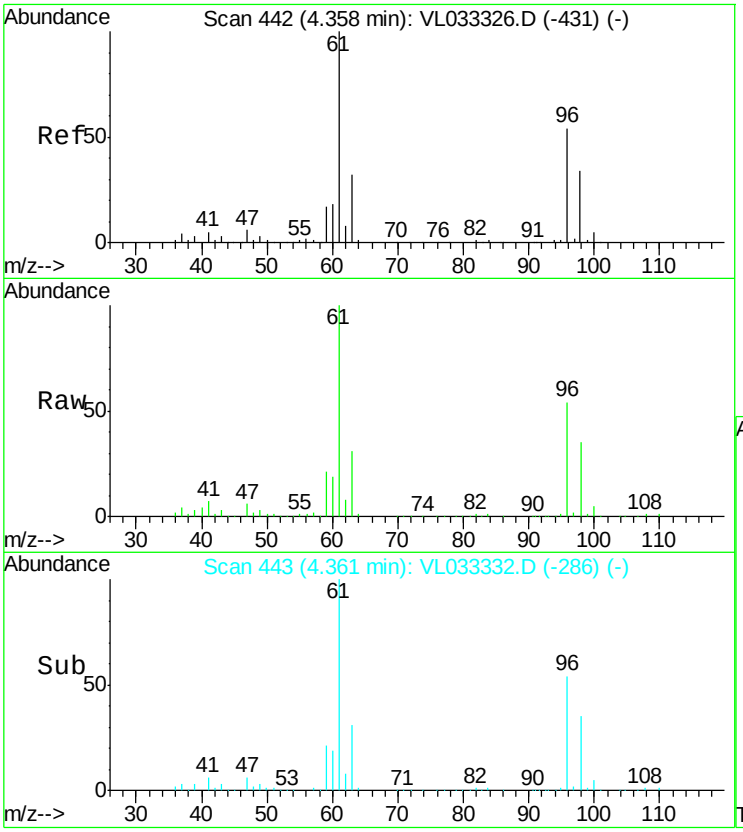


#16
1,3-Butadiene
Concen: 14.114 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 39 Resp: 619702

Ion	Ratio	Lower	Upper
39	100		
54	89.4	76.8	115.2



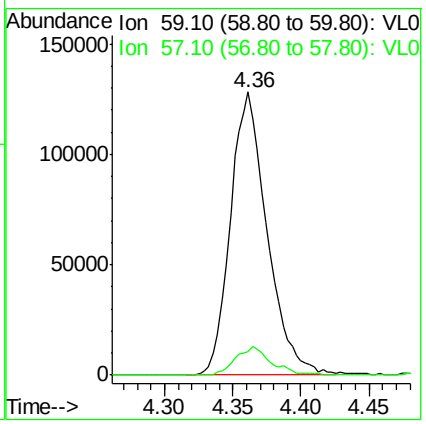


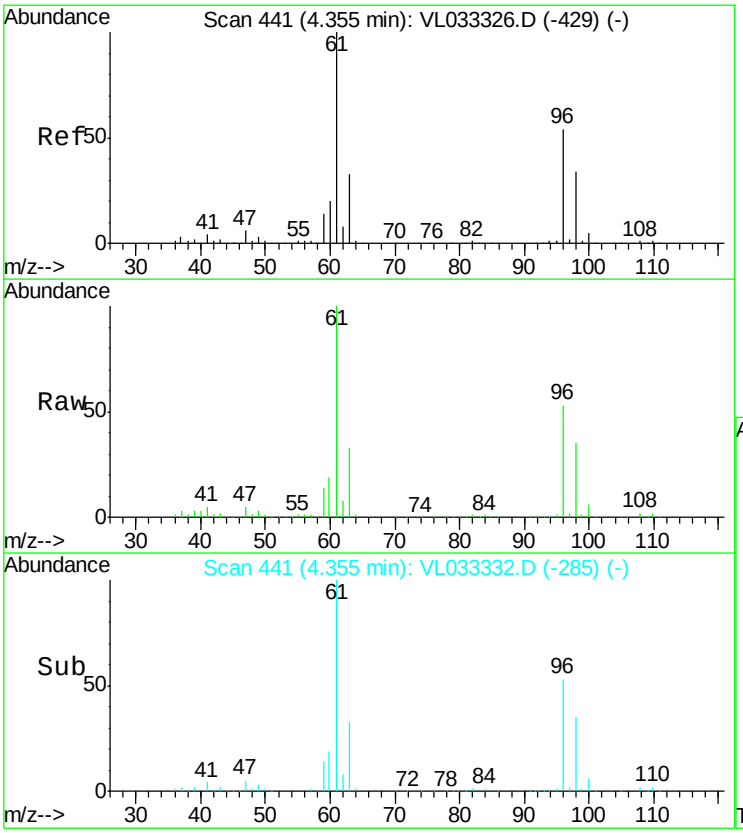
#17
tert-Butyl alcohol
Concen: 13.417 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 239331

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.7	11.5

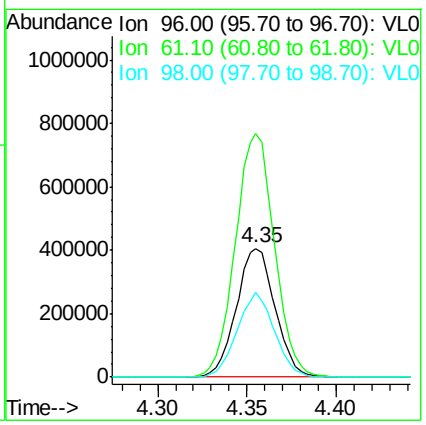


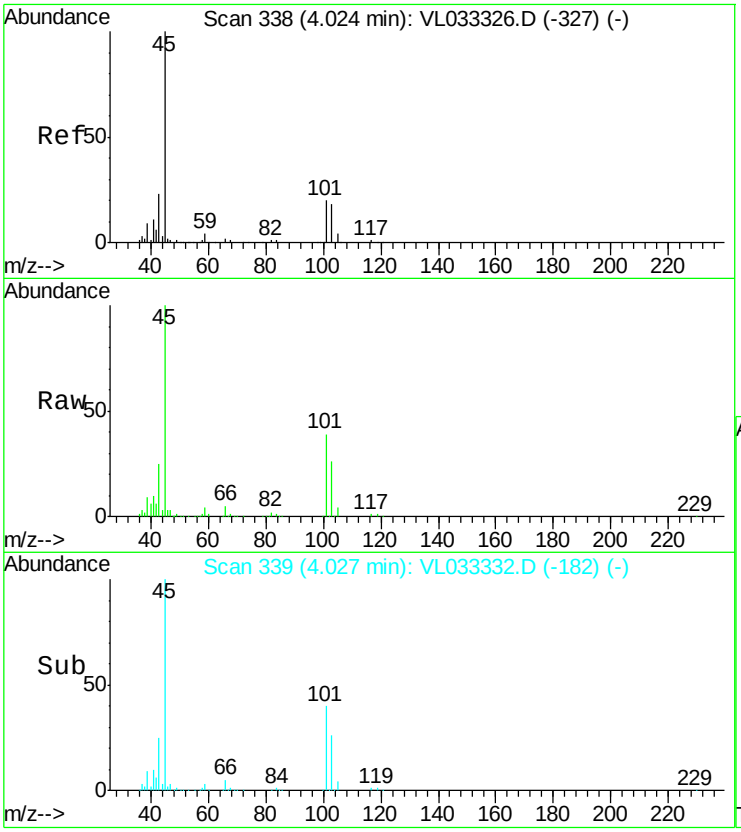


#18
1,1-Dichloroethene
Concen: 15.091 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 96 Resp: 614874

Ion	Ratio	Lower	Upper
96	100		
61	188.9	148.6	222.8
98	66.2	50.3	75.5



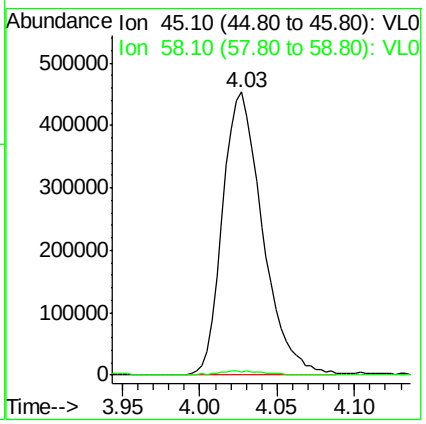


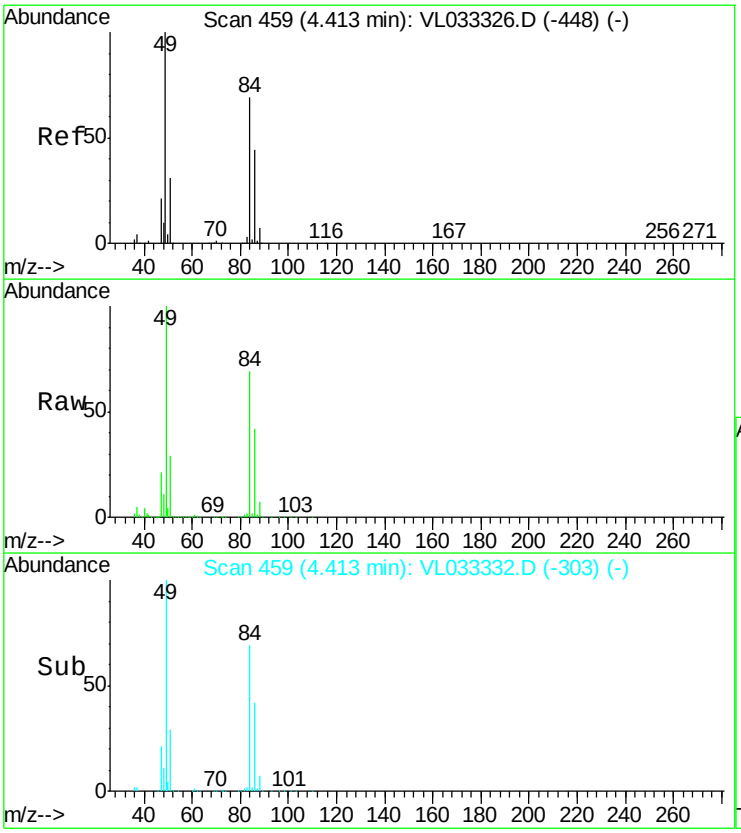
#19
Isopropyl Alcohol
Concen: 12.986 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 814767

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.5	2.3

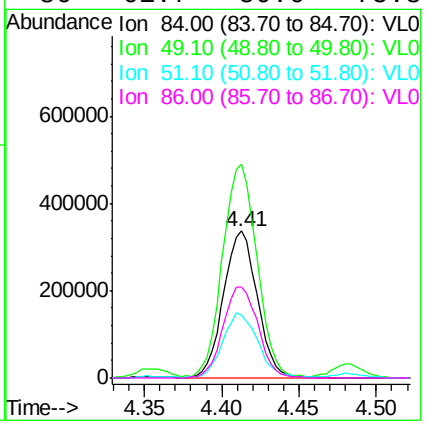


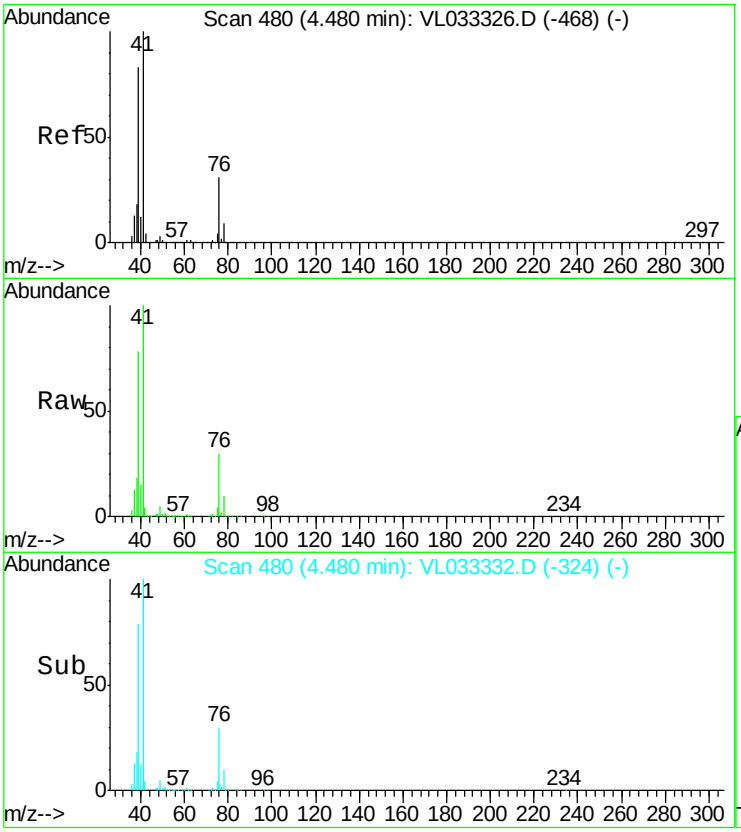


#20
Methylene Chloride
Concen: 12.706 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 84 Resp: 509051

Ion	Ratio	Lower	Upper
84	100		
49	144.3	115.4	173.0
51	42.4	35.8	53.6
86	61.7	50.6	75.8



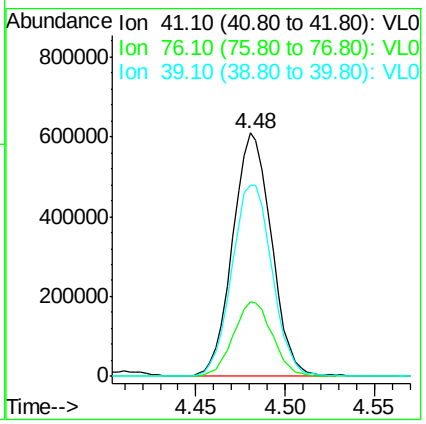


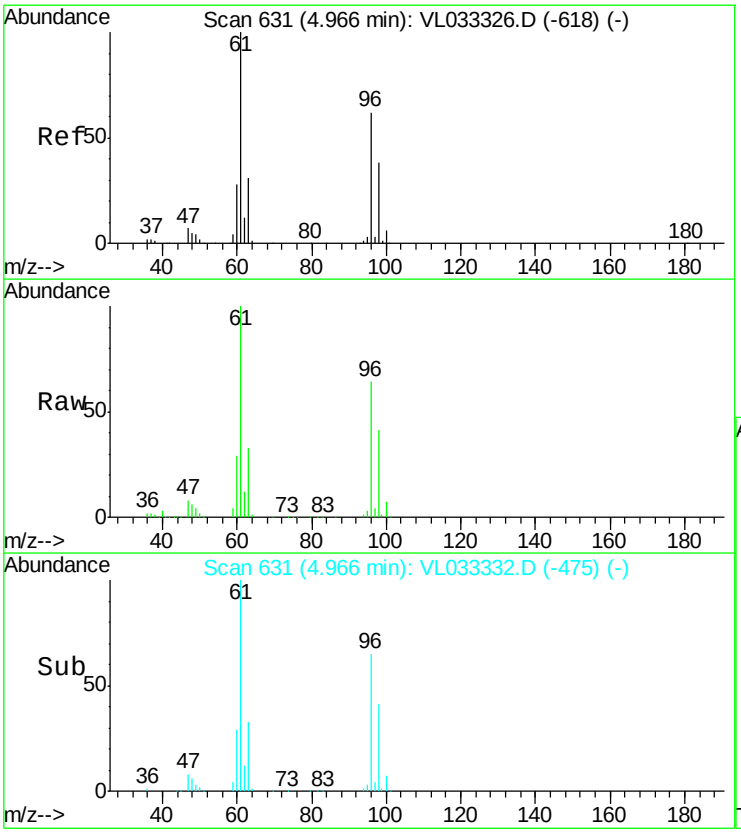
#21
Allyl Chloride
Concen: 14.809 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 41 Resp: 916219

Ion	Ratio	Lower	Upper
41	100		
76	30.9	25.0	37.4
39	82.3	65.9	98.9

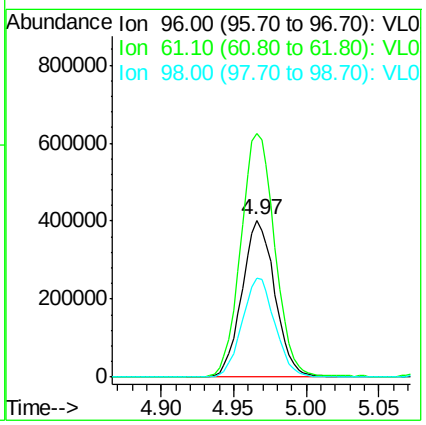


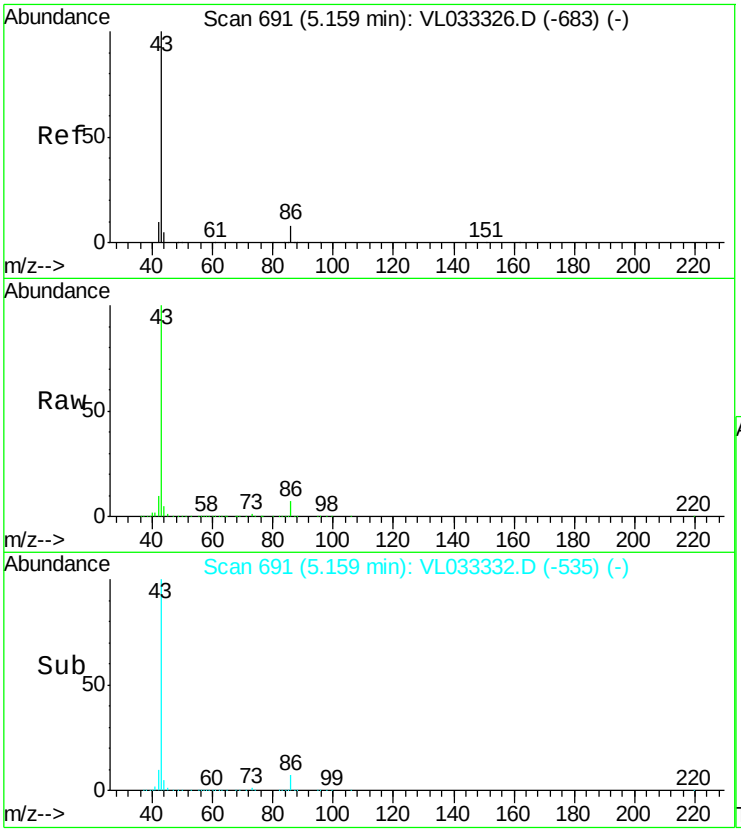


#22
trans-1,2-Dichloroethene
Concen: 15.689 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 96 Resp: 635015

Ion	Ratio	Lower	Upper
96	100		
61	155.3	130.0	195.0
98	63.3	50.0	75.0



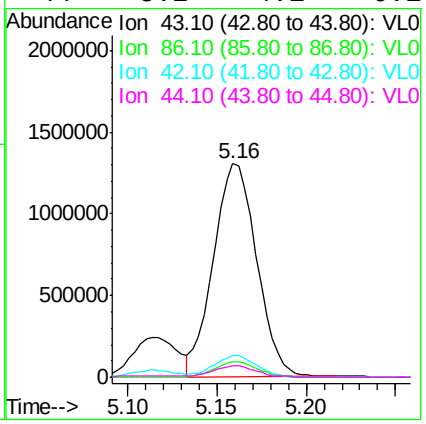


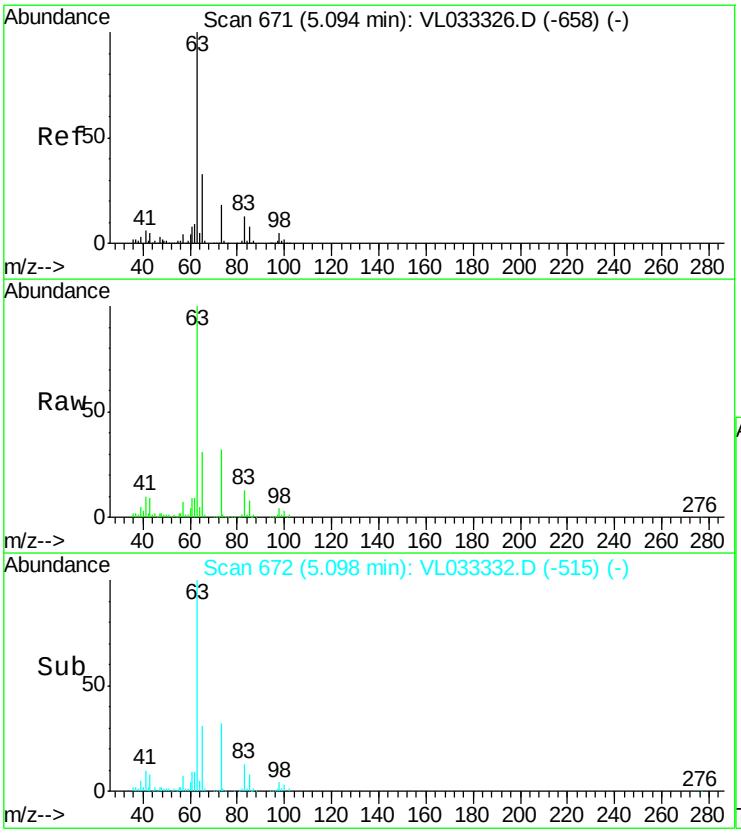
#23
Vinyl Acetate
Concen: 15.041 ppbv
RT: 5.16 min Scan# 691
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 2196751

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.2	9.2
42	10.2	8.1	12.1
44	5.2	4.1	6.1

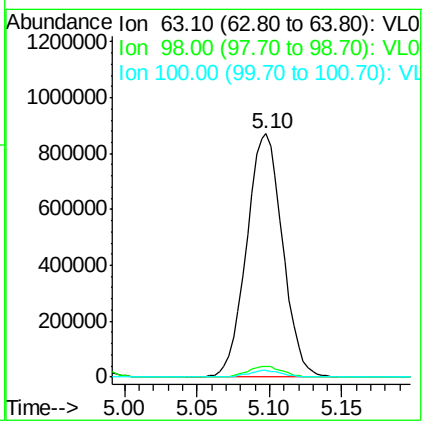


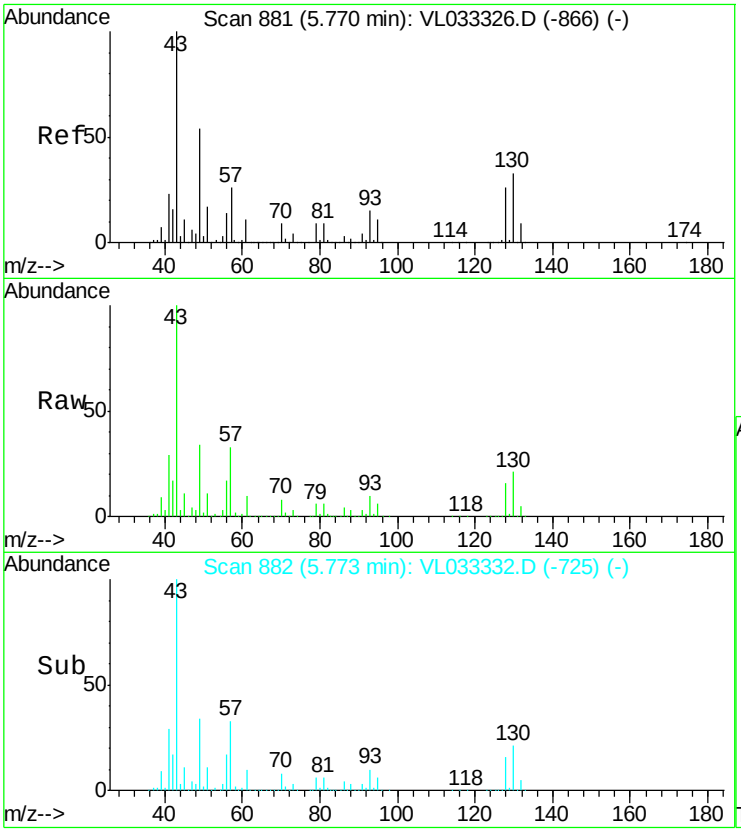


#24
1,1-Dichloroethane
Concen: 14.451 ppbv
RT: 5.10 min Scan# 672
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 63 Resp: 1504028

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.4	7.1
100	2.9	1.3	3.8



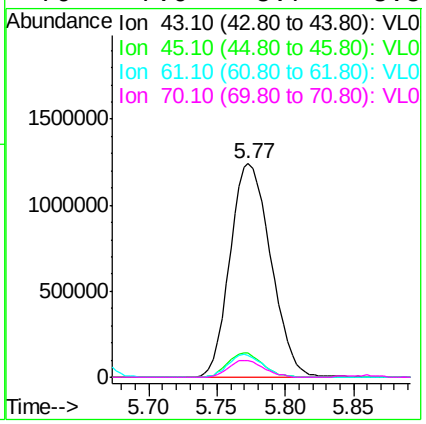


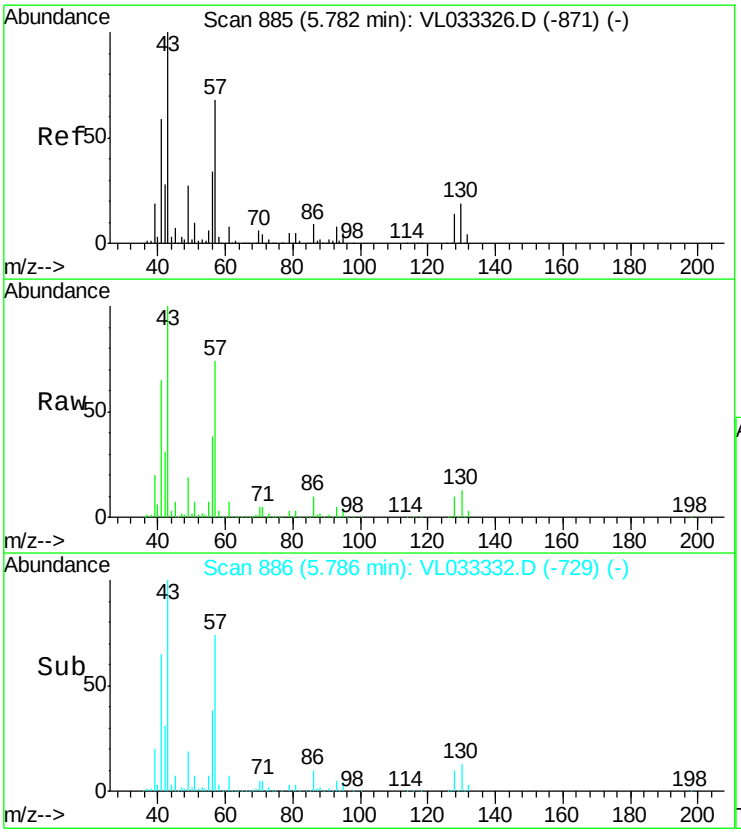
#25
Ethyl Acetate
Concen: 14.224 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 2574467

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.2	7.4	11.2
70	7.0	5.7	8.5

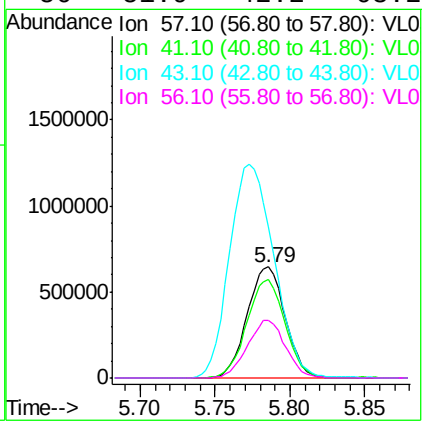


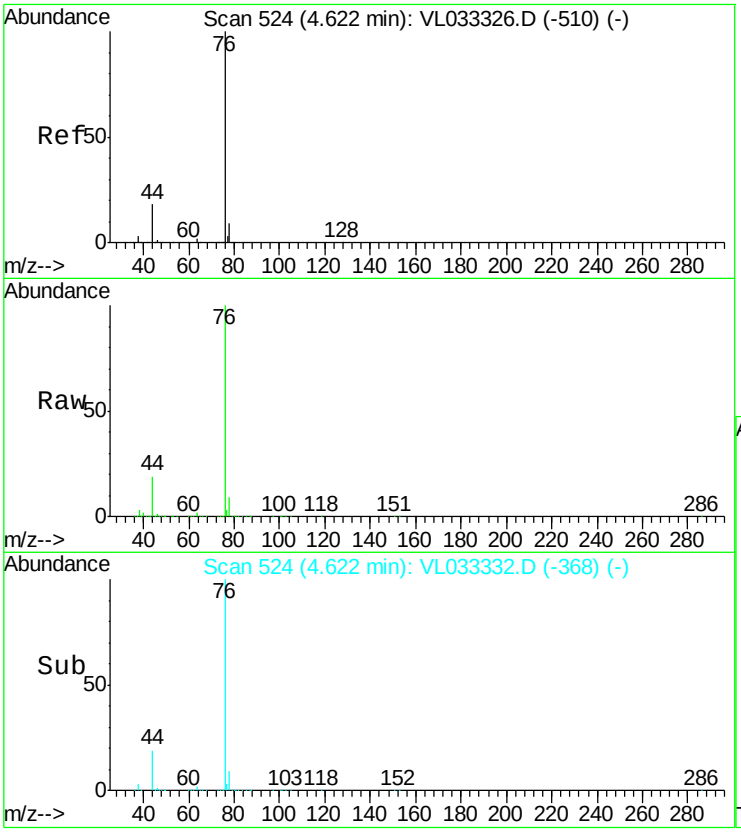


#26
Hexane
Concen: 13.754 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 57 Resp: 1139056

Ion	Ratio	Lower	Upper
57	100		
41	89.2	70.5	105.7
43	227.1	181.8	272.8
56	51.9	42.2	63.2



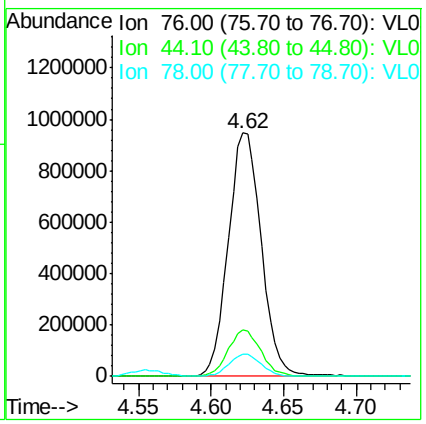


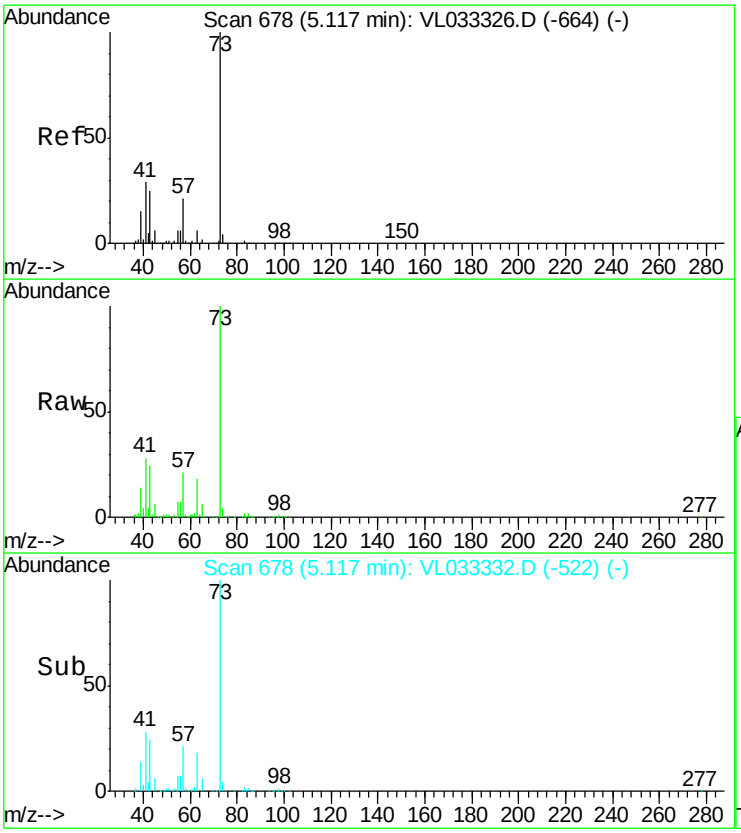
#27
Carbon Disulfide
Concen: 15.974 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 1492491

Ion	Ratio	Lower	Upper
76	100		
44	18.6	15.2	22.8
78	9.1	7.2	10.8

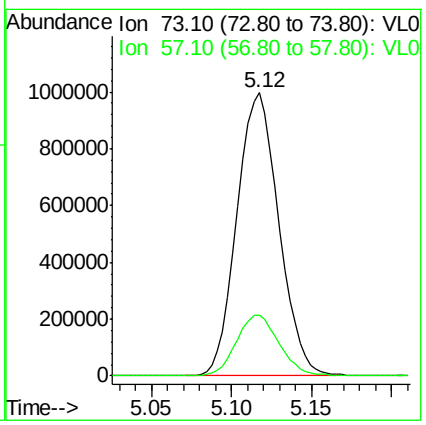


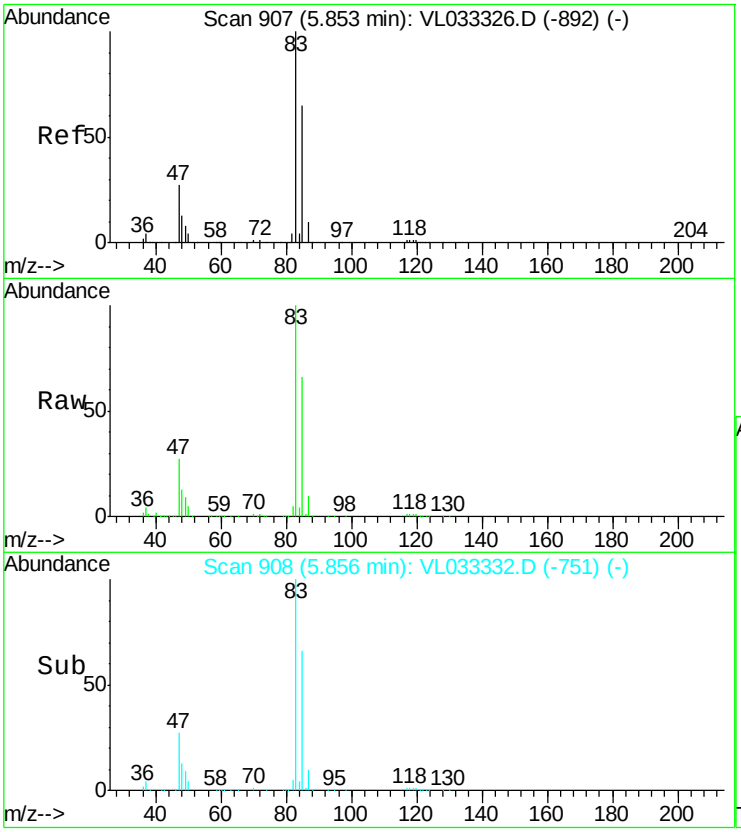


#28
Methyl tert-Butyl Ether
Concen: 14.917 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 73 Resp: 1779092

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.0



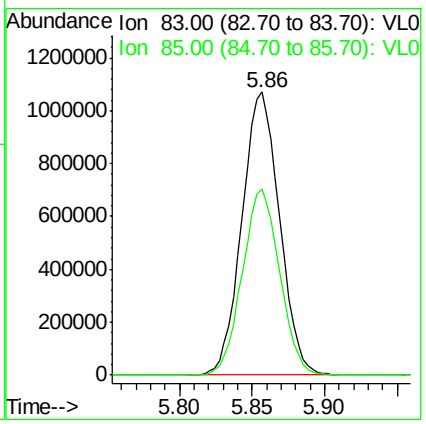


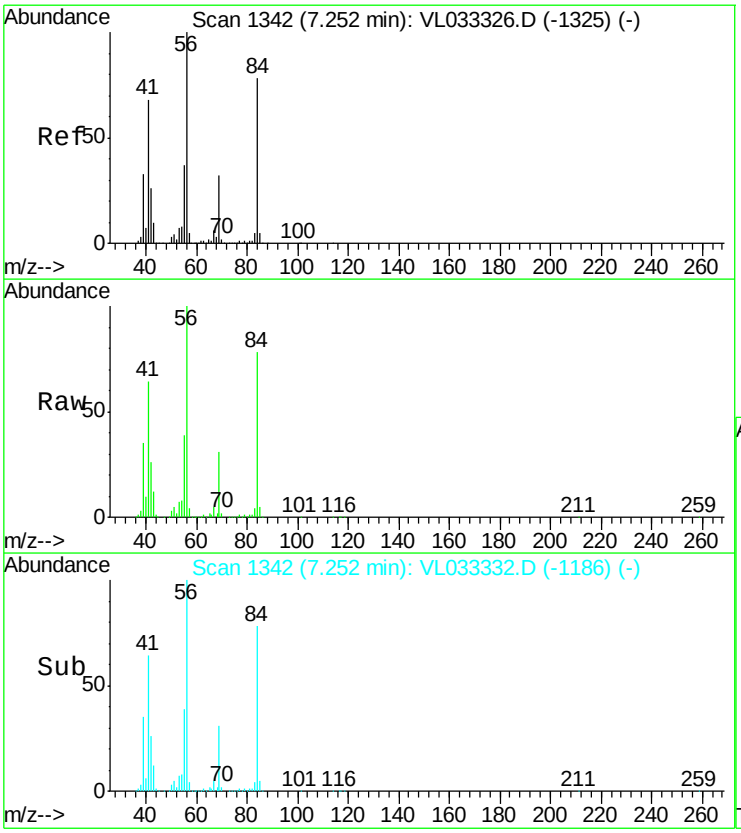
#29
Chloroform
Concen: 14.311 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 1931691

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.0	78.0

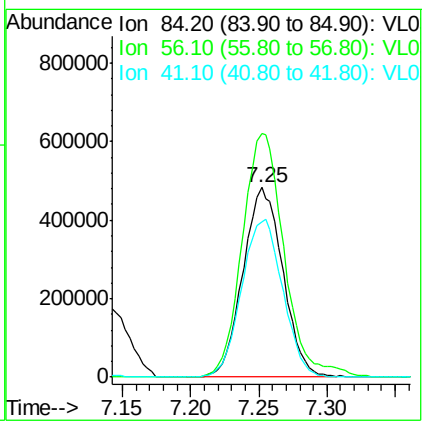


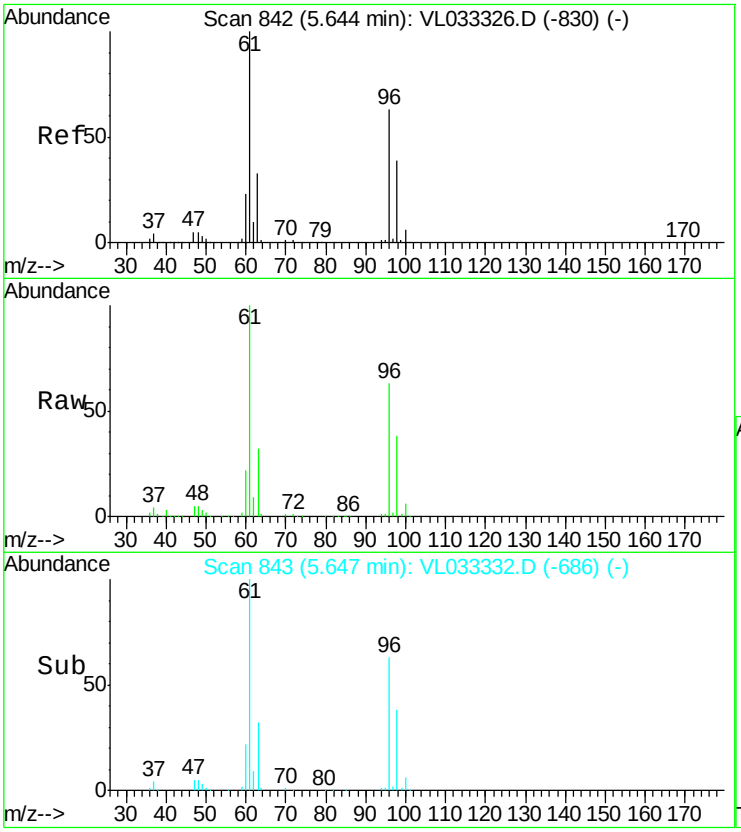


#30
Cyclohexane
Concen: 14.930 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 84 Resp: 979044

Ion	Ratio	Lower	Upper
84	100		
56	135.6	111.3	166.9
41	86.0	69.6	104.4



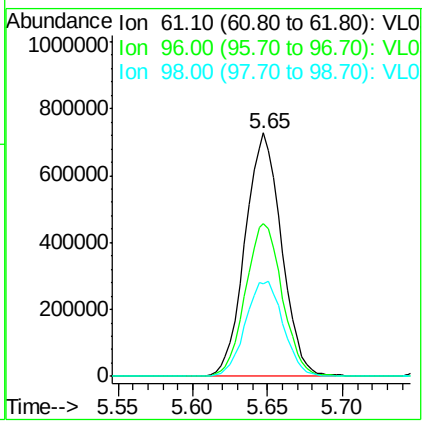


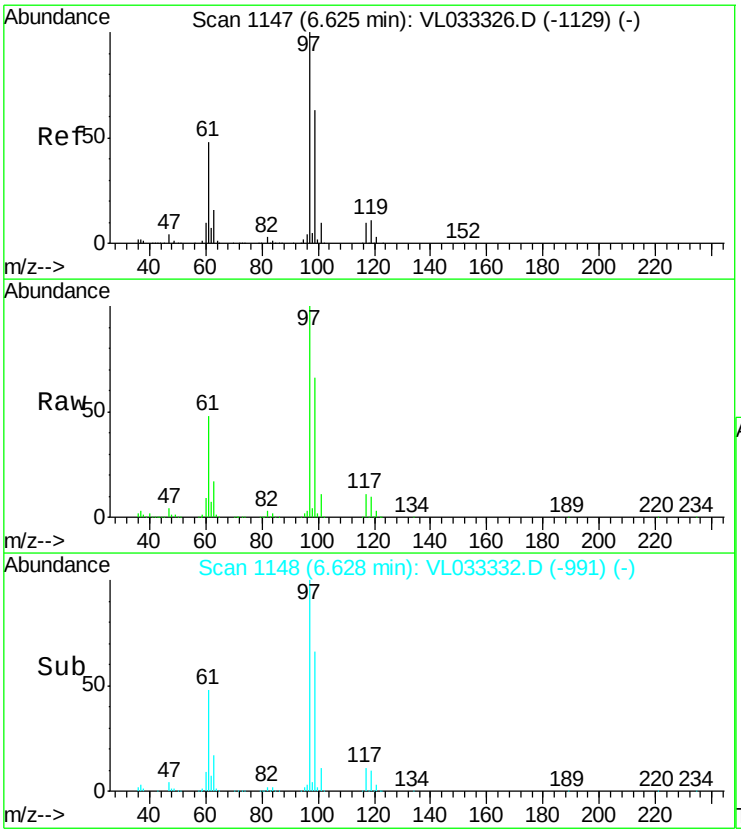
#31
cis-1,2-Dichloroethene
Concen: 15.006 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 1231642

Ion	Ratio	Lower	Upper
61	100		
96	62.6	50.3	75.5
98	37.8	31.5	47.3

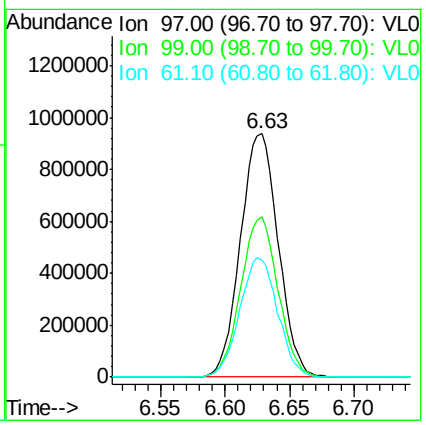


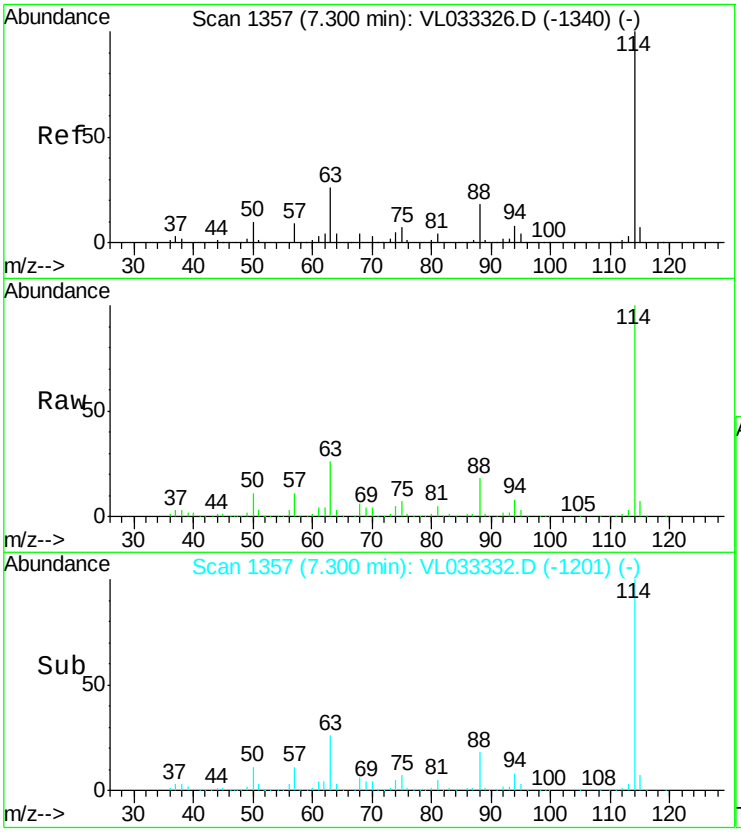


#32
1,1,1-Trichloroethane
Concen: 14.324 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 97 Resp: 1919135

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	49.0	39.3	58.9



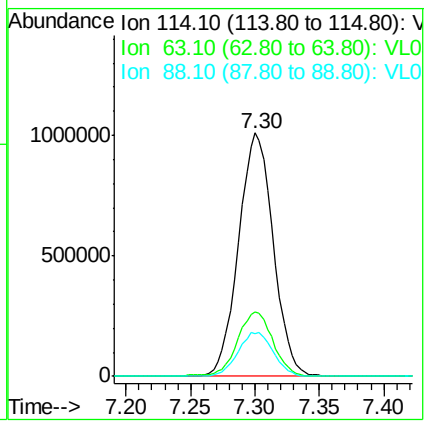


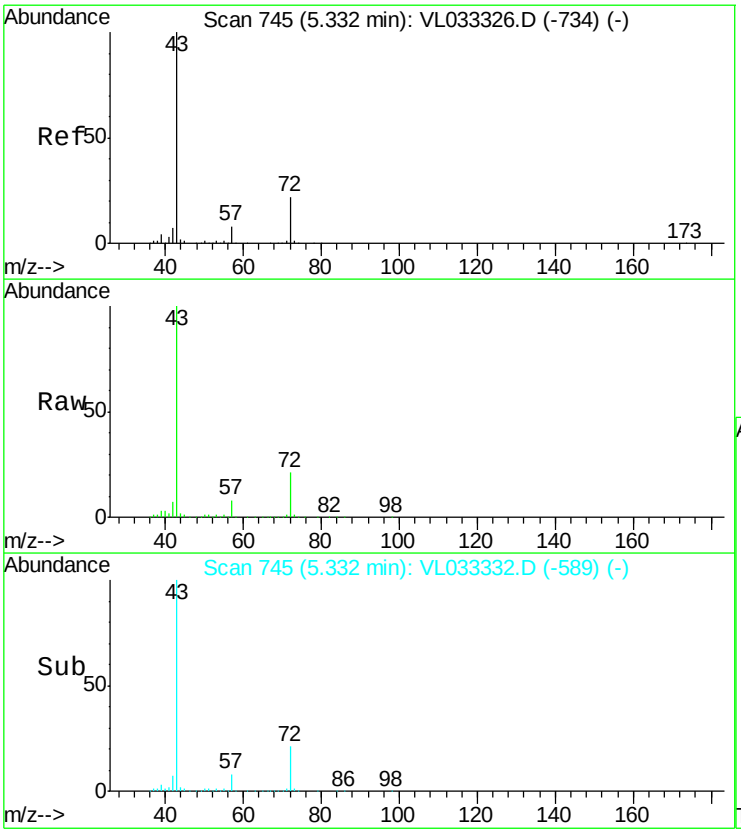
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 1886767

Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.4	32.2
88	18.4	14.5	21.7

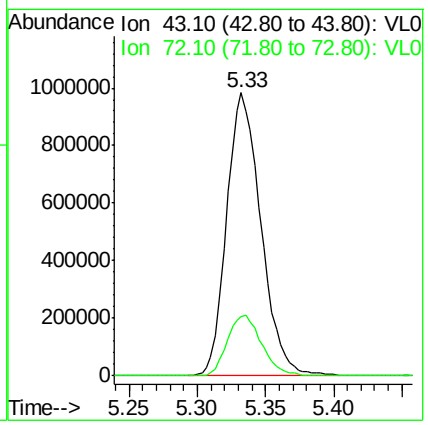


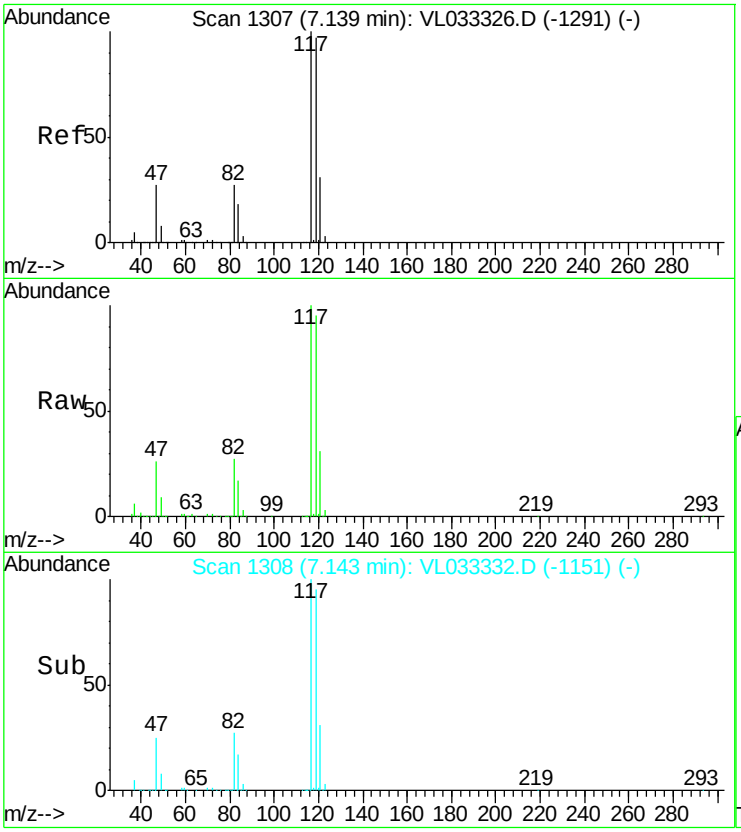


#34
2-Butanone
Concen: 14.276 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 43 Resp: 1708424

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.7	26.5



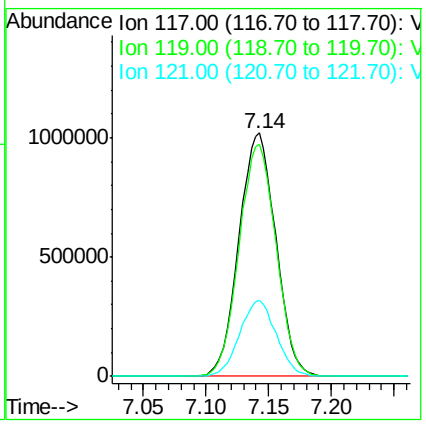


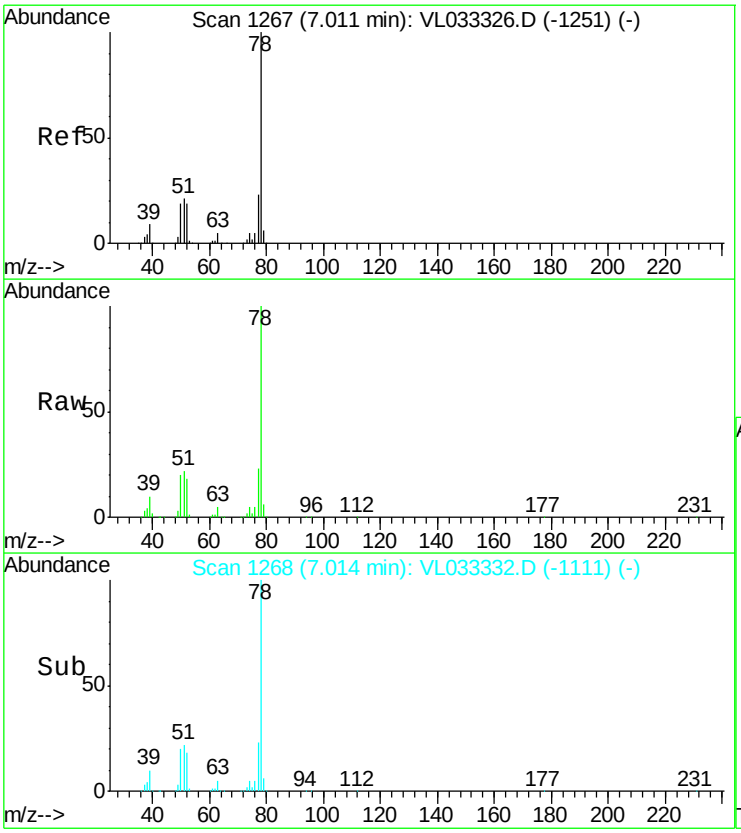
#35
Carbon Tetrachloride
Concen: 15.312 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:117 Resp: 2085038

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.4	116.0
121	31.3	24.9	37.3

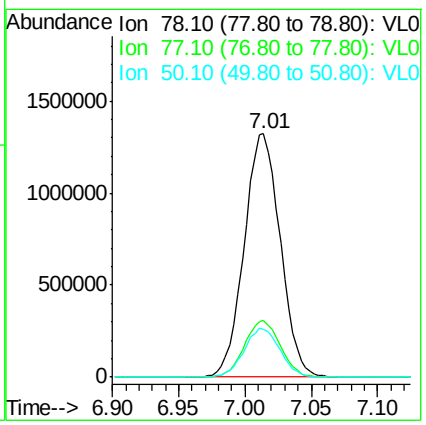


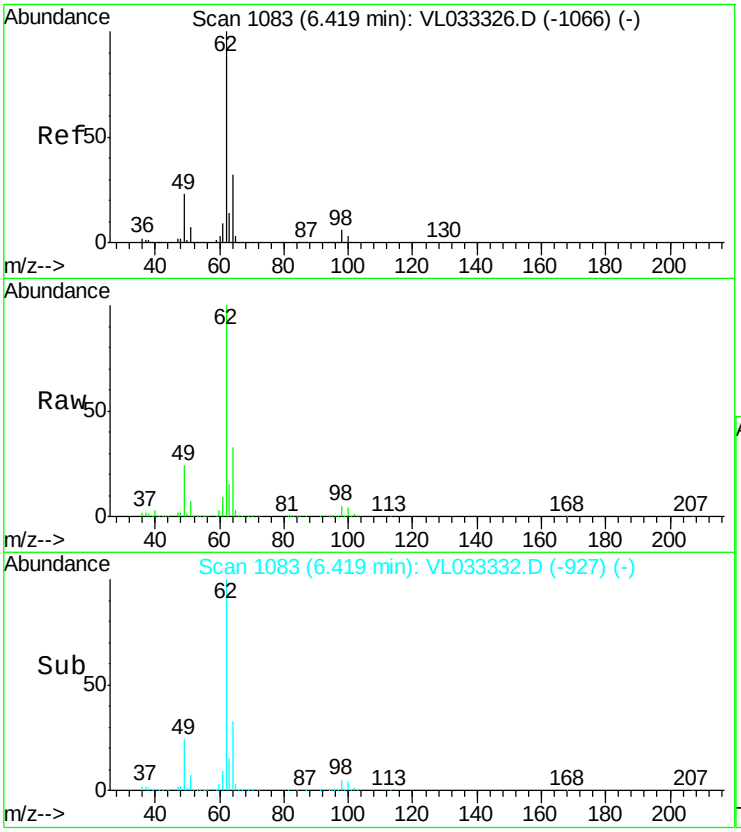


#36
Benzene
Concen: 14.841 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 78 Resp: 2502811

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.1	27.1
50	19.8	15.2	22.8



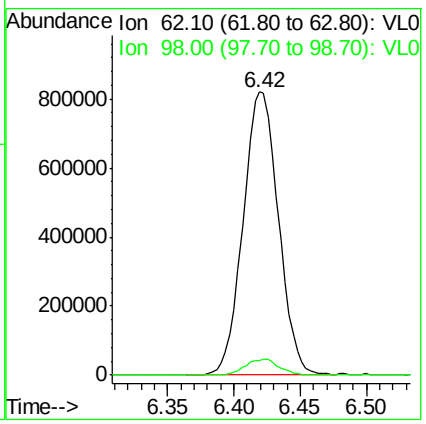


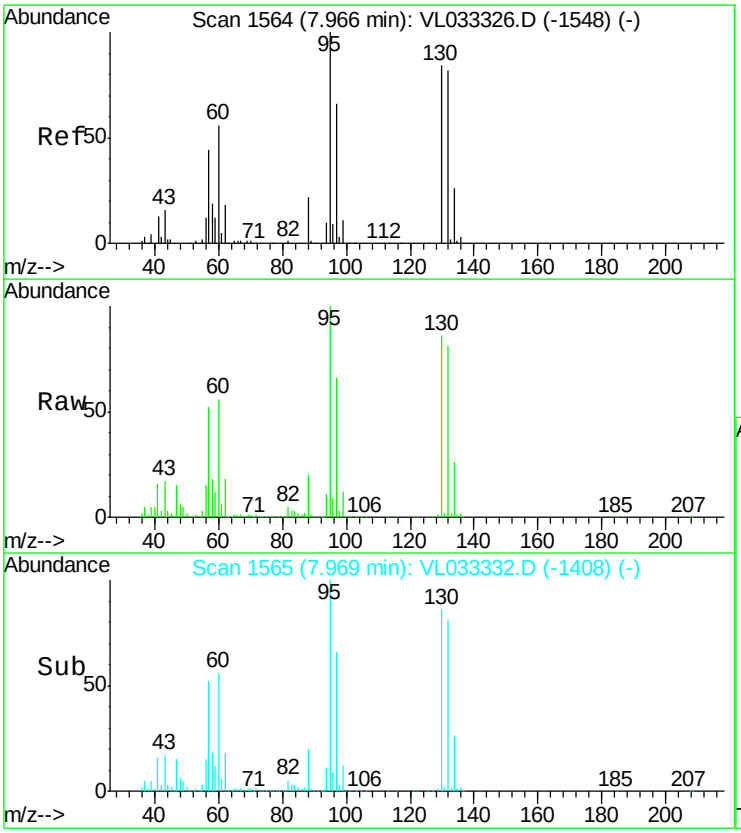
#37
1,2-Dichloroethane
Concen: 14.439 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 1518235

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

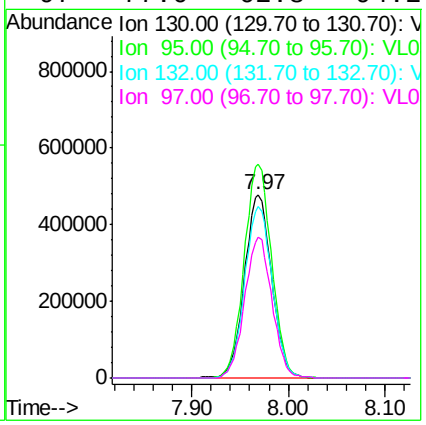


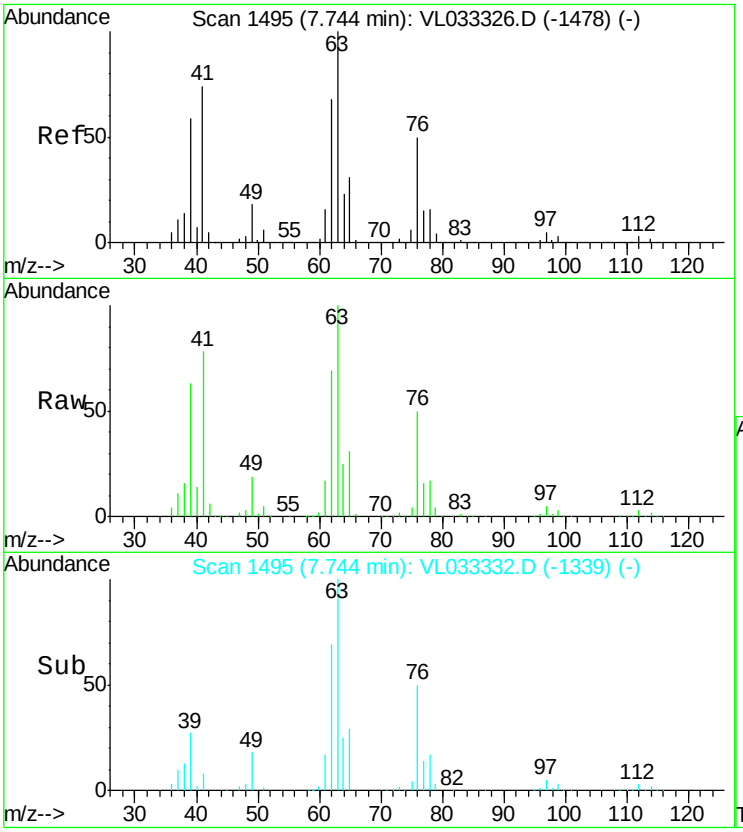


#38
Trichloroethene
Concen: 14.100 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:130 Resp: 935926

Ion	Ratio	Lower	Upper
130	100		
95	116.5	95.2	142.8
132	93.9	77.7	116.5
97	77.0	62.8	94.2



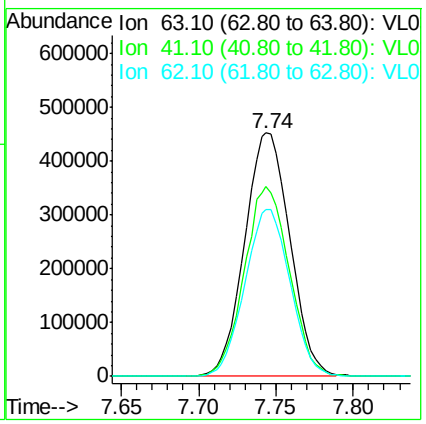


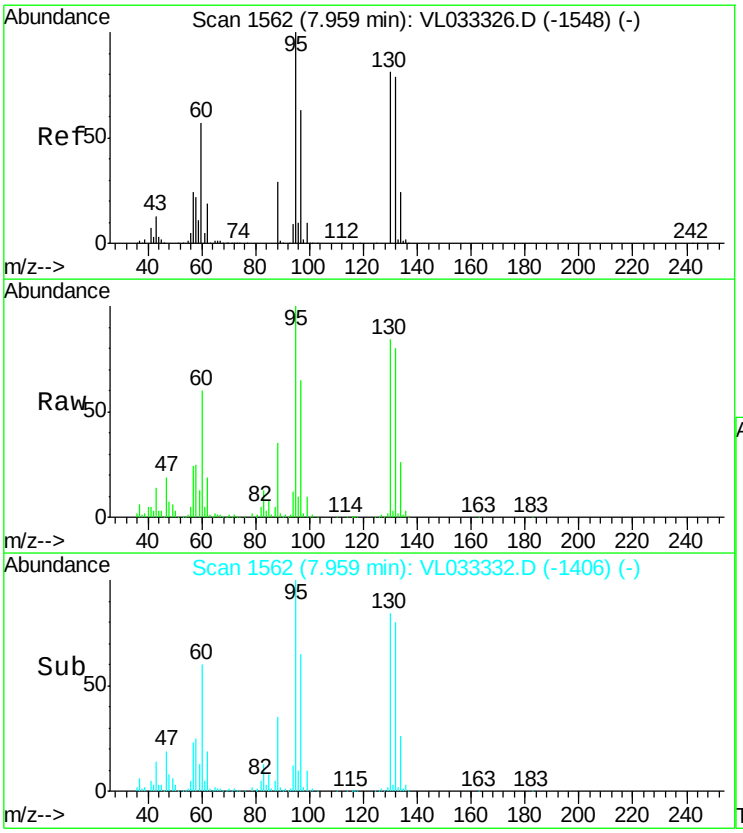
#39
1,2-Dichloropropane
Concen: 14.379 ppbv
RT: 7.74 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 63 Resp: 922734

Ion	Ratio	Lower	Upper
63	100		
41	78.2	59.5	89.3
62	68.5	54.7	82.1

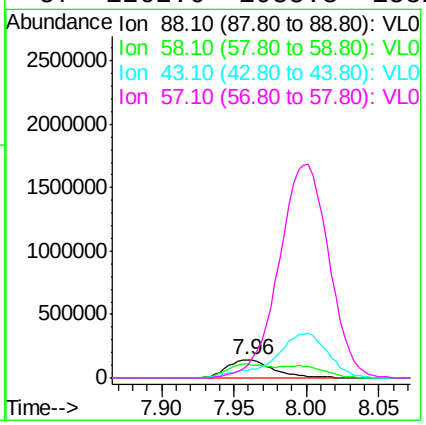


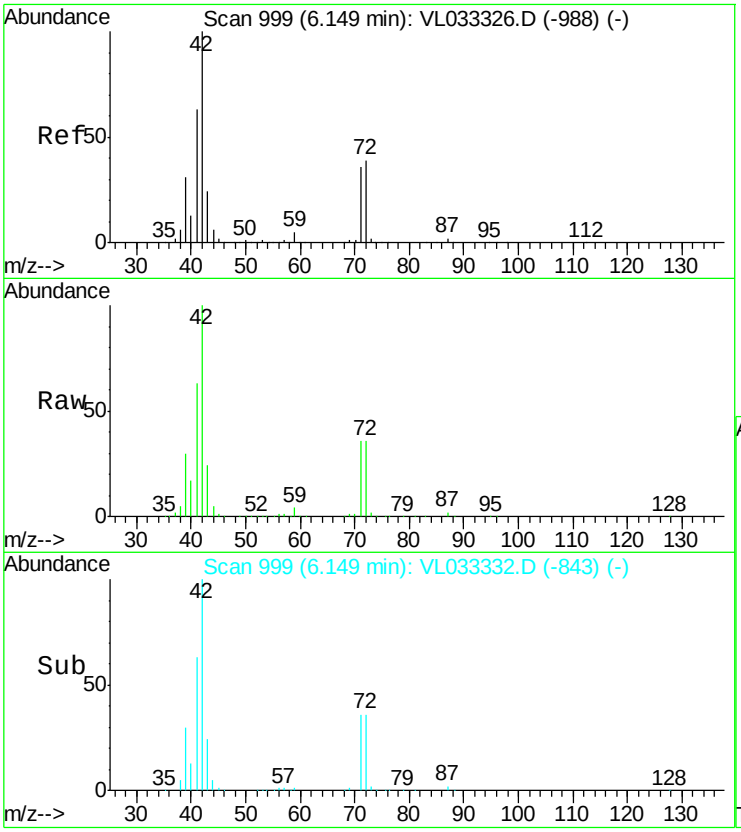


#40
1,4-Dioxane
Concen: 13.597 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 88 Resp: 319612

Ion	Ratio	Lower	Upper
88	100		
58	133.7	107.9	161.9
43	285.9	230.8	346.2
57	1262.6	1035.3	1552.9



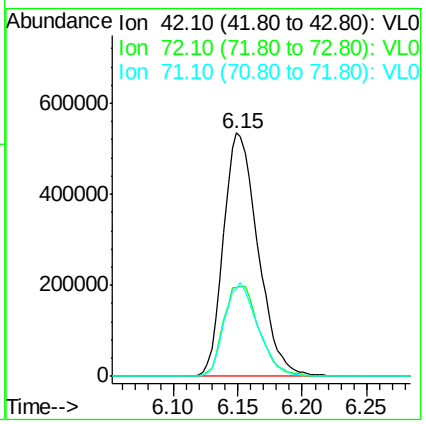


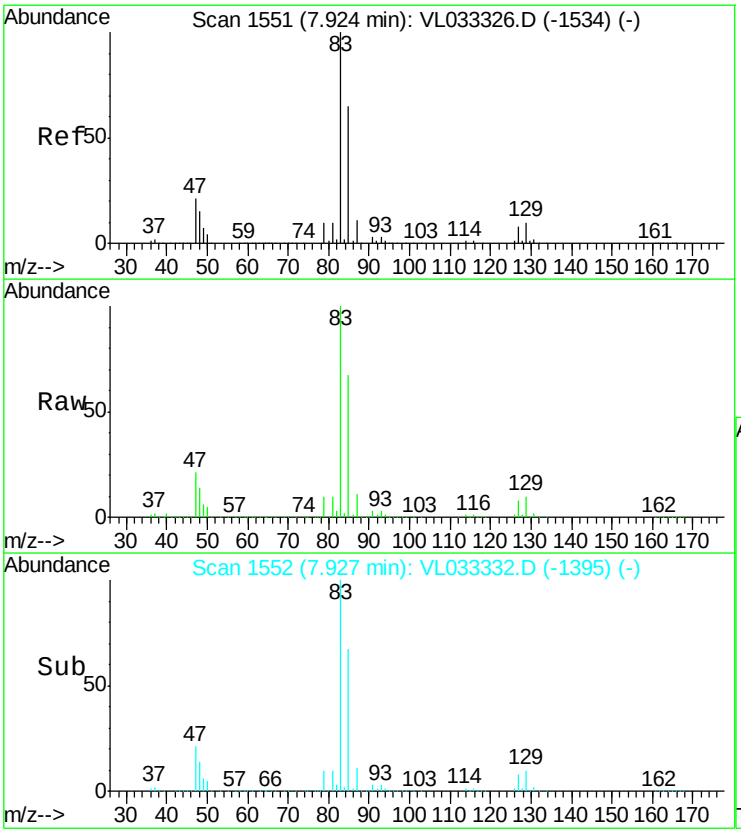
#41
Tetrahydrofuran
Concen: 14.970 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 993446

Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.6	47.4
71	37.6	29.9	44.9

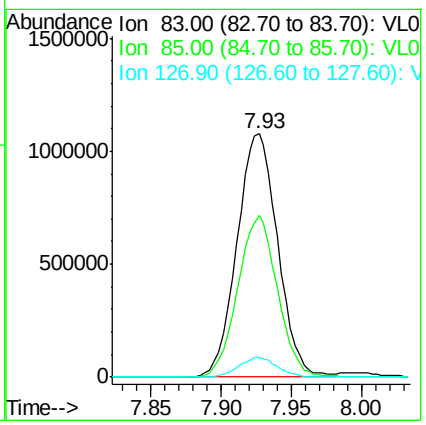


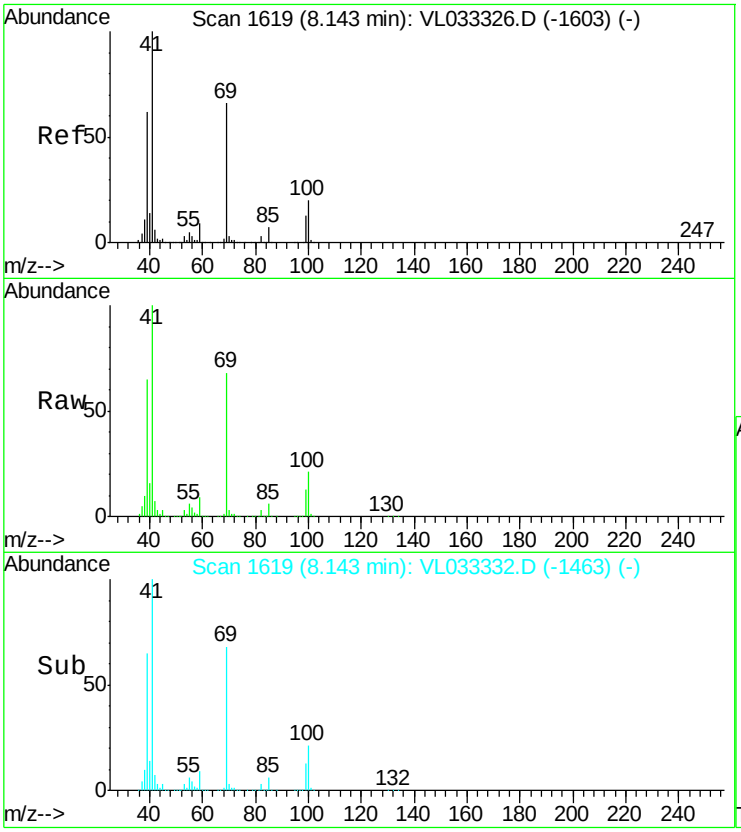


#42
Bromodichloromethane
Concen: 15.178 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 83 Resp: 2175151

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.8	77.6
127	8.1	6.2	9.2



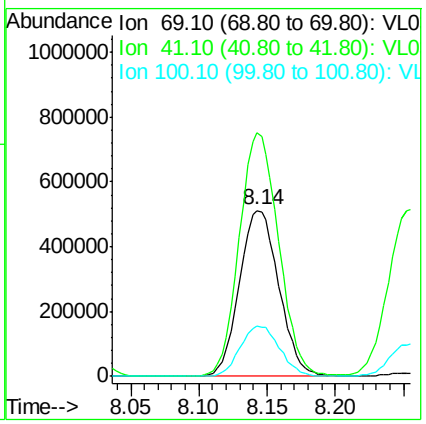


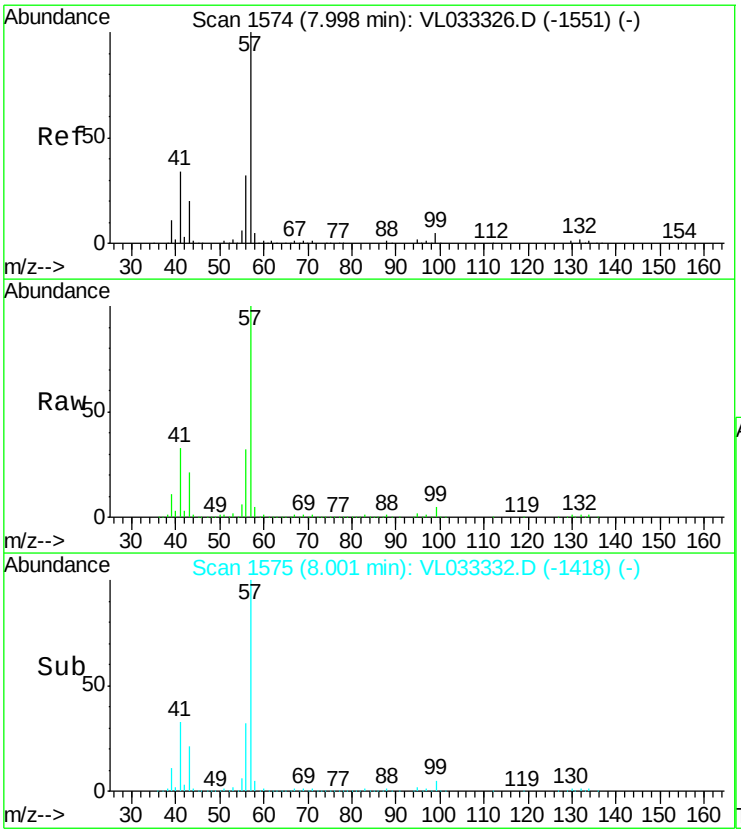
#43
Methyl Methacrylate
Concen: 15.634 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 1027940

Ion	Ratio	Lower	Upper
69	100		
41	146.4	119.5	179.3
100	30.3	24.4	36.6

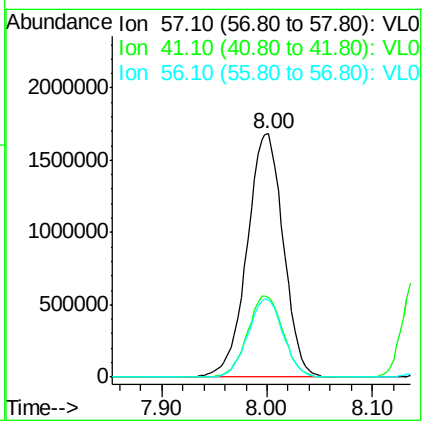


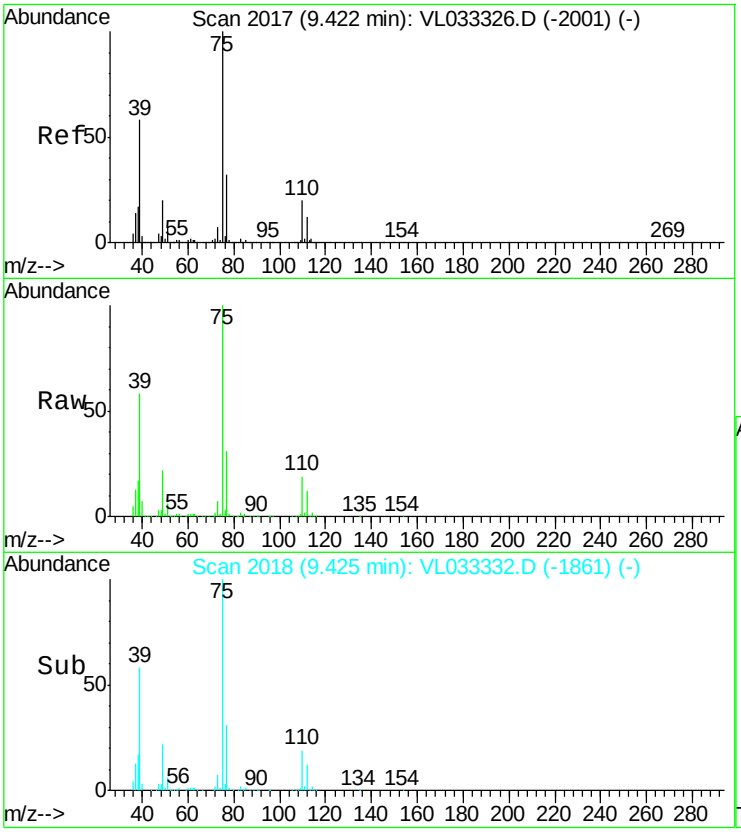


#44
2,2,4-Trimethylpentane
Concen: 14.237 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 57 Resp: 4026806

Ion	Ratio	Lower	Upper
57	100		
41	33.0	26.0	39.0
56	31.2	24.6	36.8



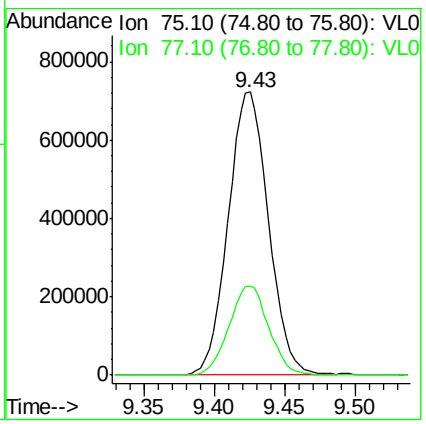


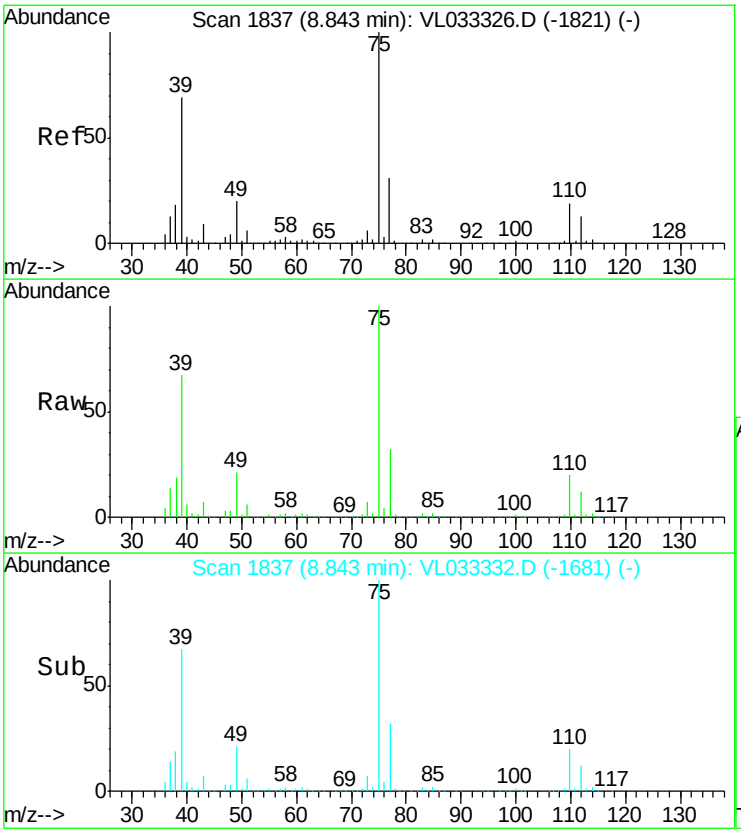
#45
t-1,3-Dichloropropene
Concen: 17.815 ppbv
RT: 9.43 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 75 Resp: 1435136

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3

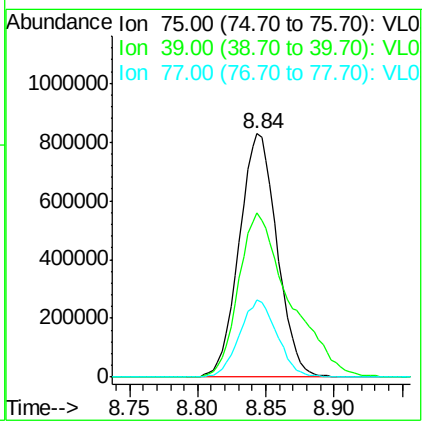


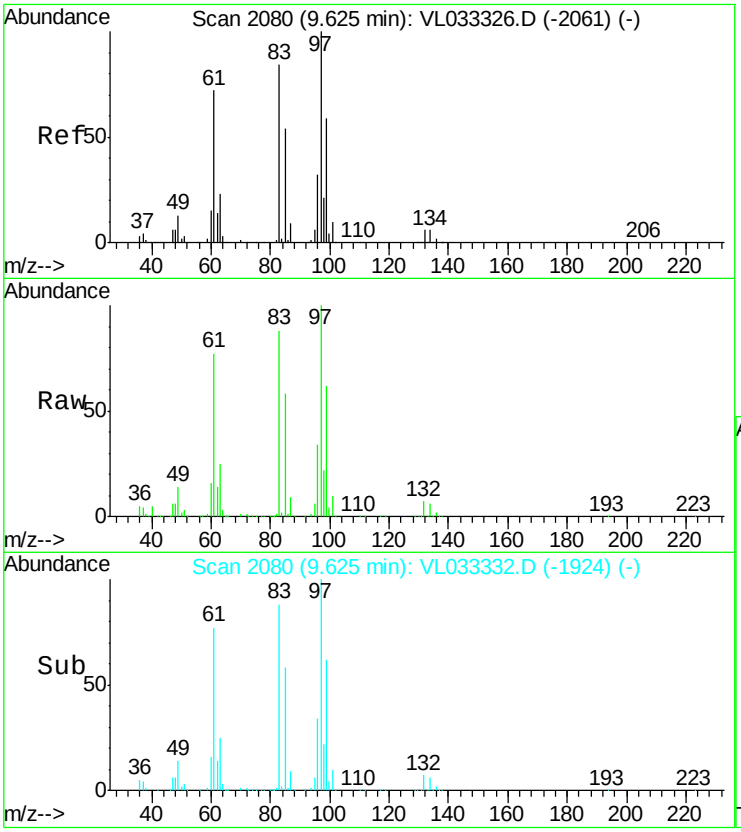


#46
cis-1,3-Dichloropropene
Concen: 16.837 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 75 Resp: 1593265

Ion	Ratio	Lower	Upper
75	100		
39	67.3	55.0	82.6
77	31.5	24.5	36.7



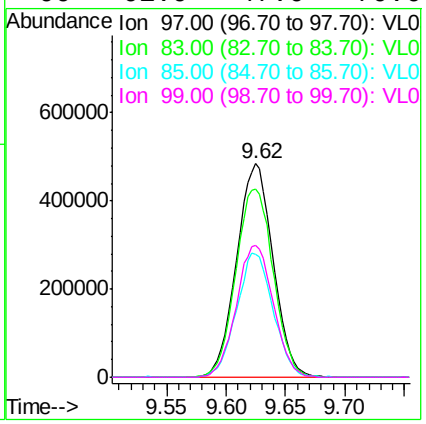


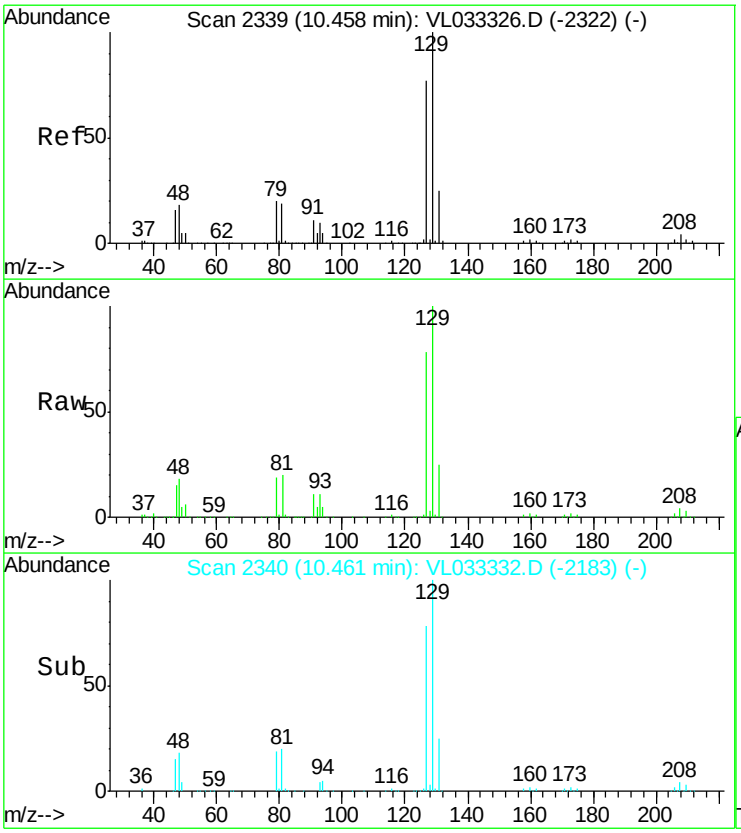
#47
1,1,2-Trichloroethane
Concen: 14.890 ppbv
RT: 9.62 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 1027887

Ion	Ratio	Lower	Upper
97	100		
83	87.8	67.4	101.0
85	57.5	43.0	64.4
99	61.9	47.0	70.6

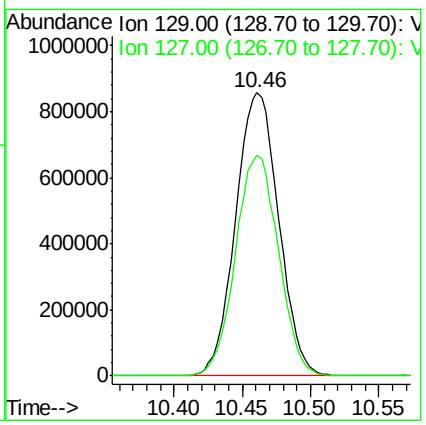


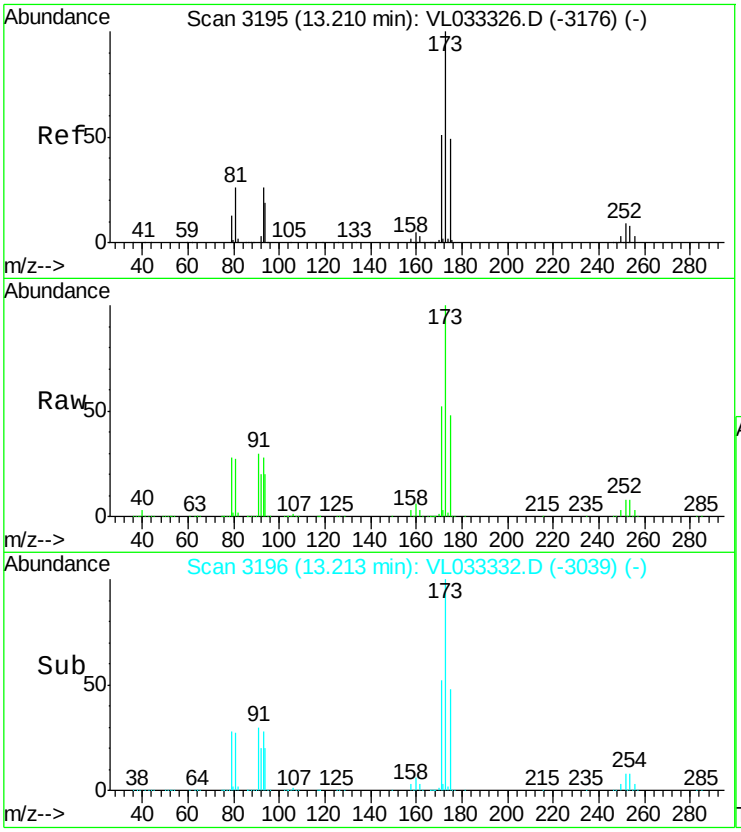


#48
Dibromochloromethane
Concen: 15.958 ppbv
RT: 10.46 min Scan# 2340
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:129 Resp: 1882487

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.9	116.6



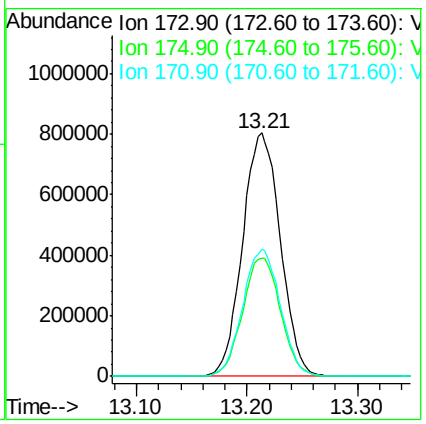


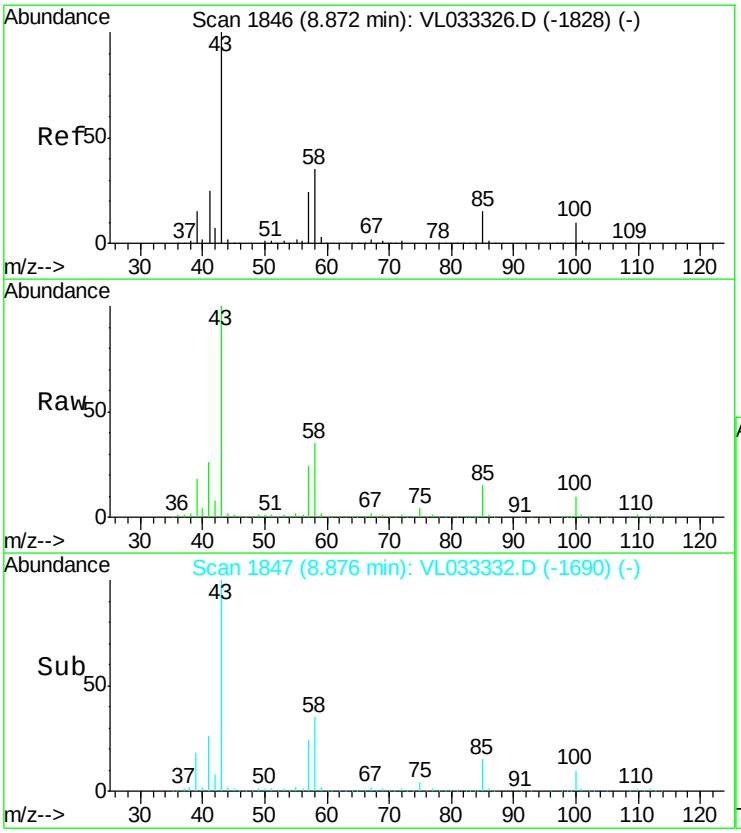
#49
Bromoform
Concen: 17.859 ppbv
RT: 13.21 min Scan# 3196
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 1906989

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.6
171	52.1	41.7	62.5

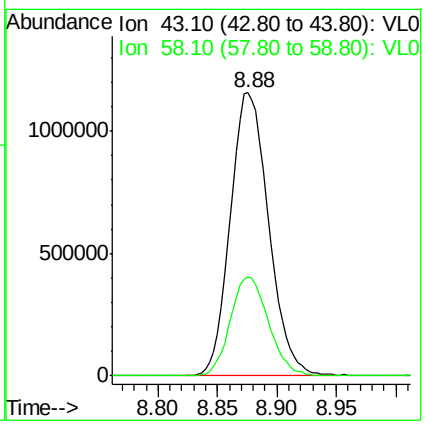


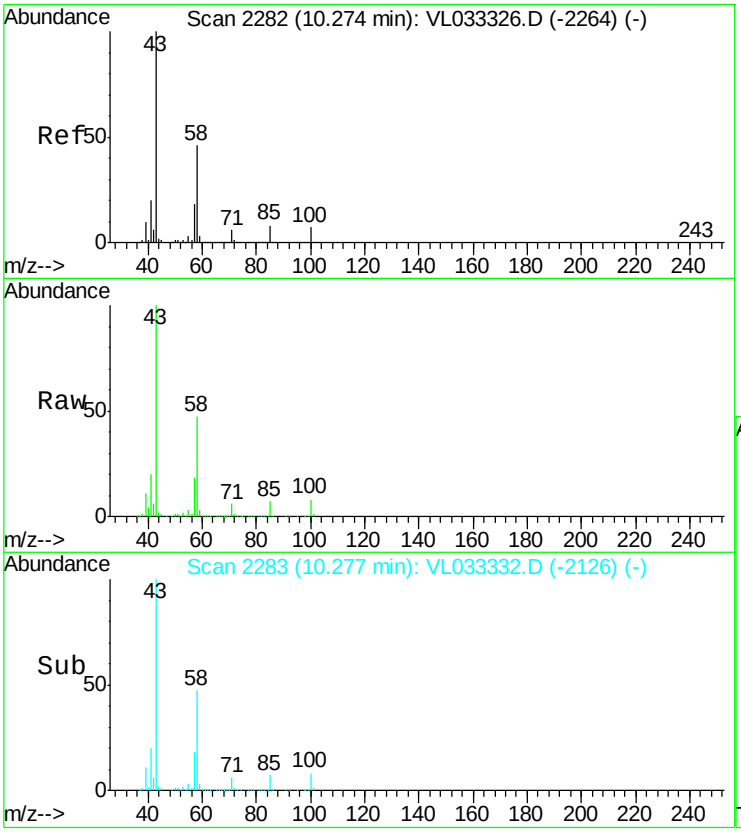


#50
4-Methyl-2-Pentanone
Concen: 14.766 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 43 Resp: 2584545

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.4	42.6



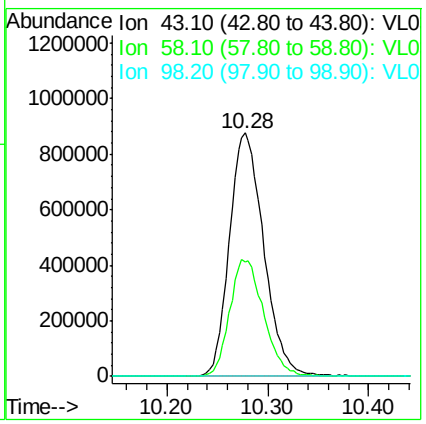


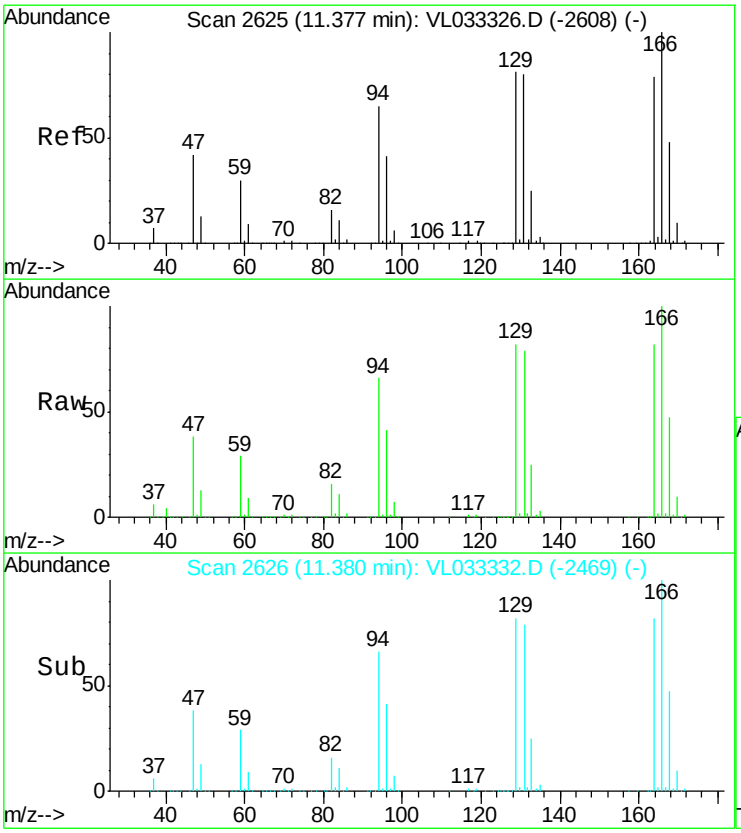
#51
2-Hexanone
Concen: 14.832 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 2067749

Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.0	57.0
98	0.1	0.1	0.1#

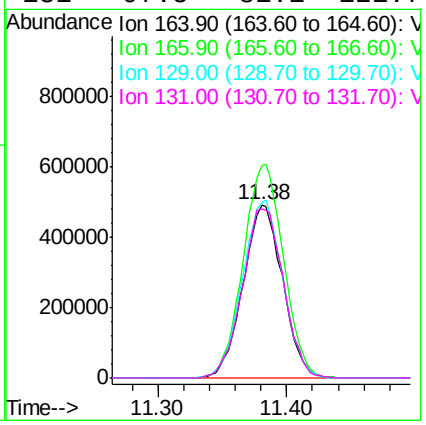


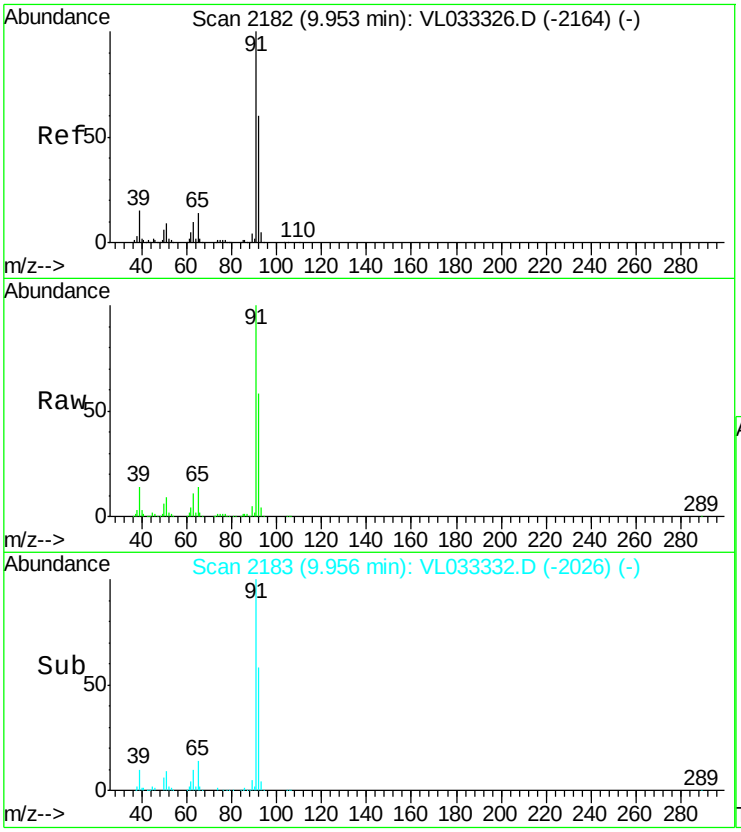


#52
Tetrachloroethene
Concen: 15.354 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:164 Resp: 1045990

Ion	Ratio	Lower	Upper
164	100		
166	122.7	101.5	152.3
129	101.2	82.2	123.2
131	97.5	81.1	121.7



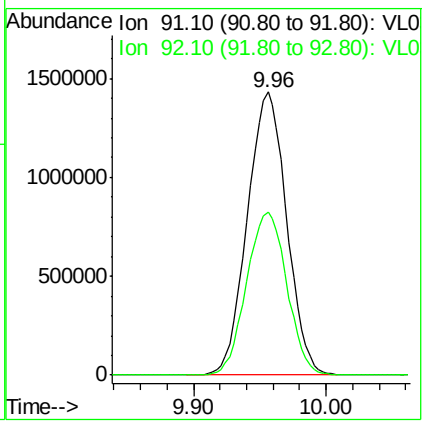


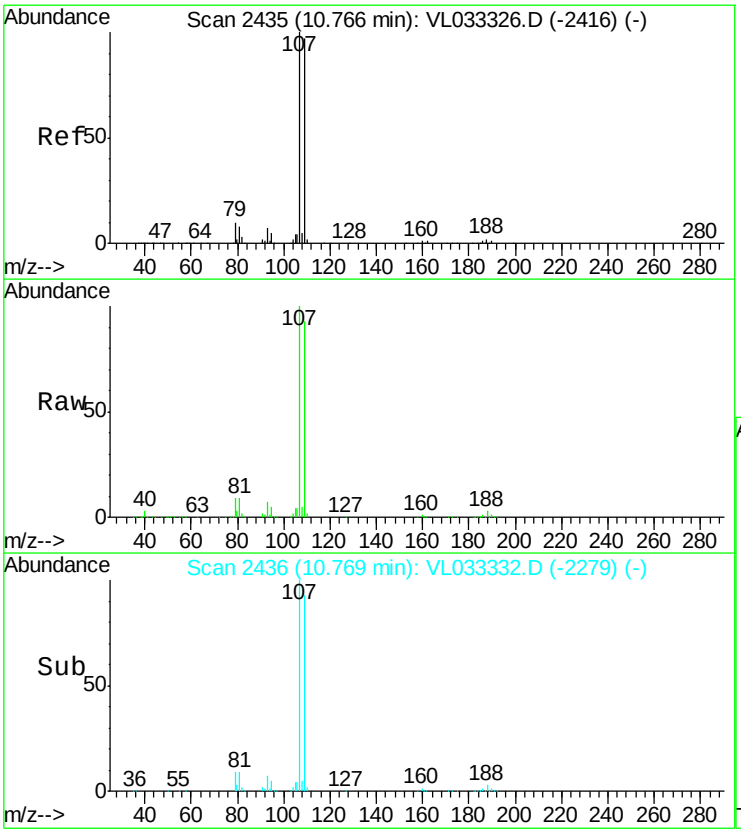
#53
Toluene
Concen: 15.320 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 91 Resp: 2947052

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.4	71.0

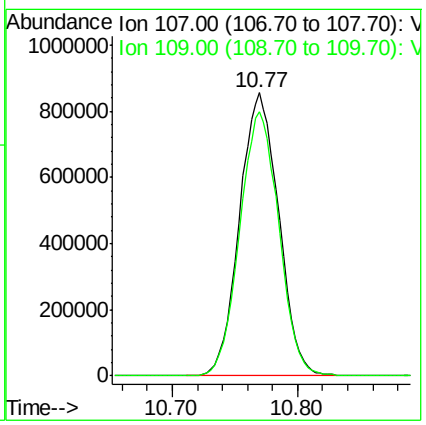


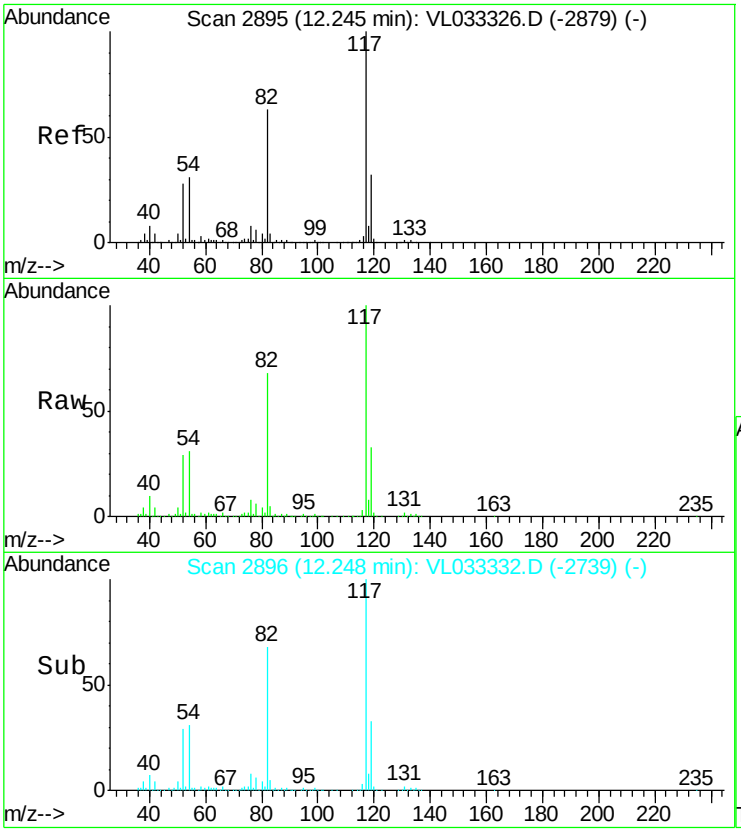


#54
1,2-Dibromoethane
Concen: 16.468 ppbv
RT: 10.77 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:107 Resp: 1852891

Ion	Ratio	Lower	Upper
107	100		
109	93.2	77.2	115.8



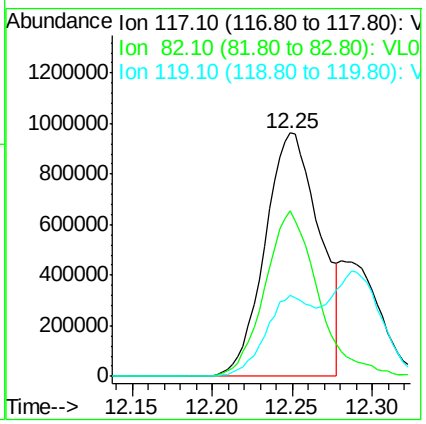


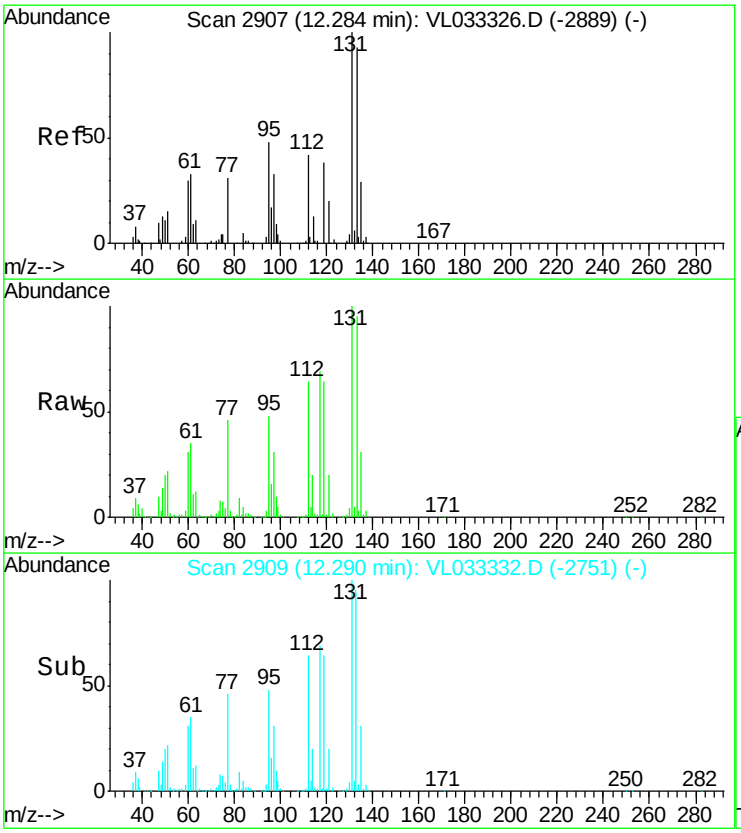
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:117 Resp: 2281279

Ion	Ratio	Lower	Upper
117	100		
82	66.3	53.4	80.2
119	0.0	27.3	40.9#

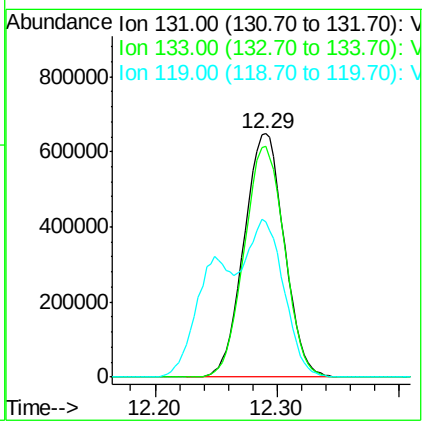


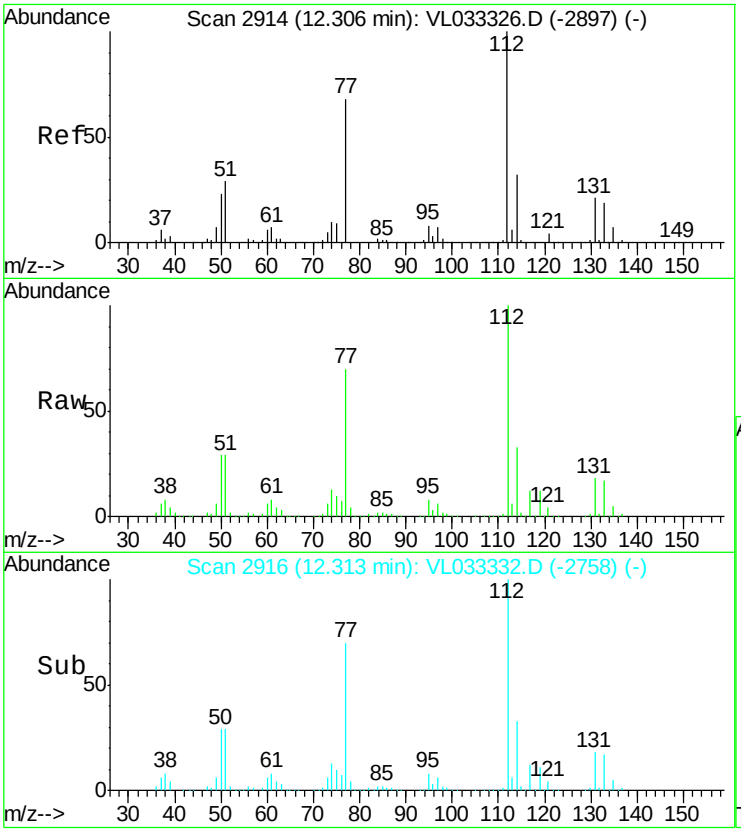


#56
1,1,1,2-Tetrachloroethane
Concen: 14.433 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. 0.01 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:131 Resp: 1477490

Ion	Ratio	Lower	Upper
131	100		
133	95.0	76.7	115.1
119	108.2	40.3	60.5#



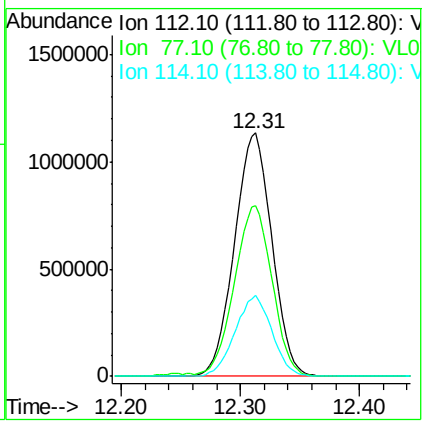


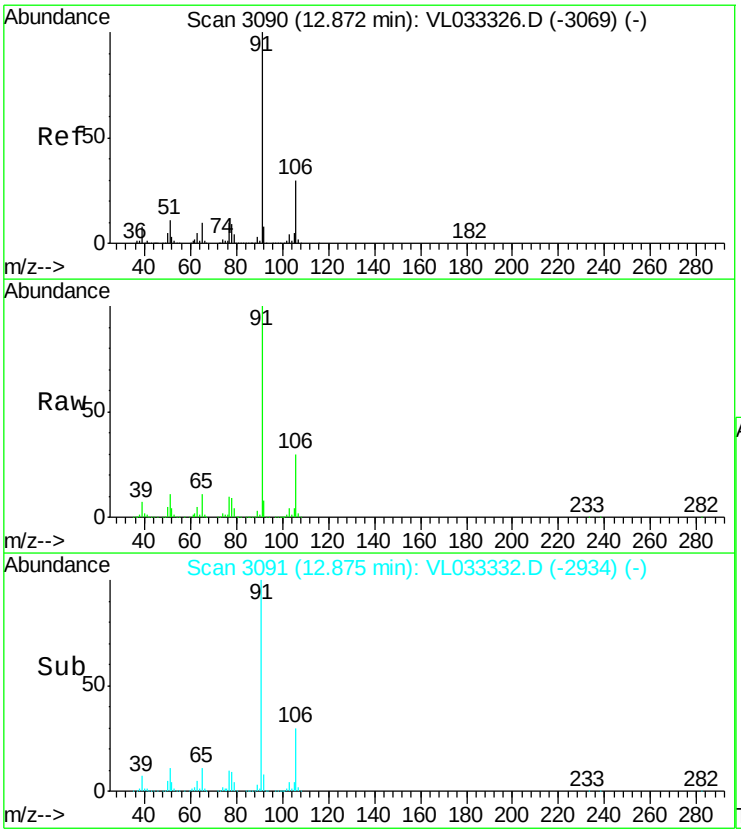
#57
Chlorobenzene
Concen: 13.573 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 2459402

Ion	Ratio	Lower	Upper
112	100		
77	70.0	55.8	83.6
114	33.3	28.6	35.0

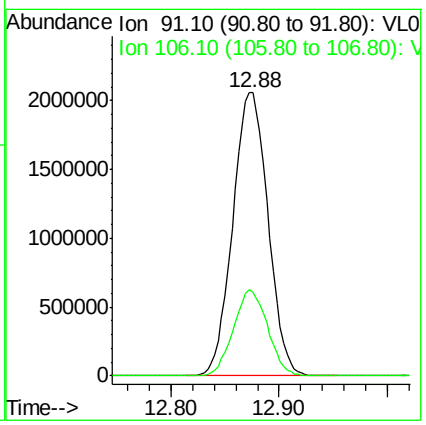


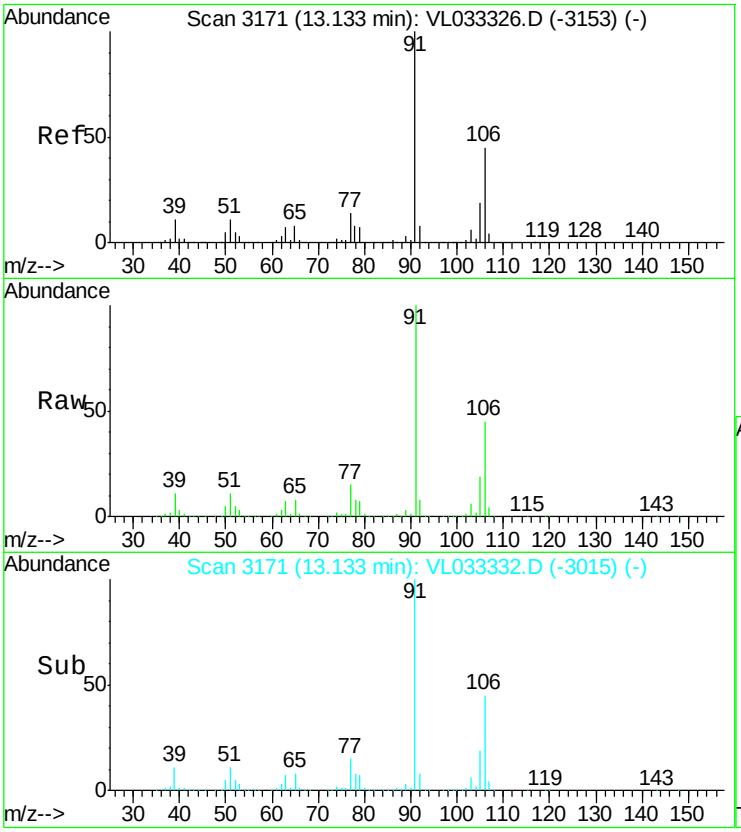


#58
Ethyl Benzene
Concen: 14.475 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 91 Resp: 4672240

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.2	36.2



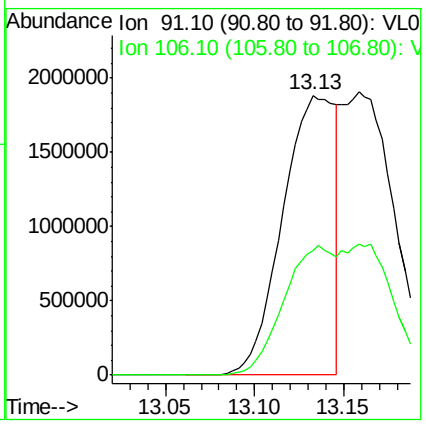


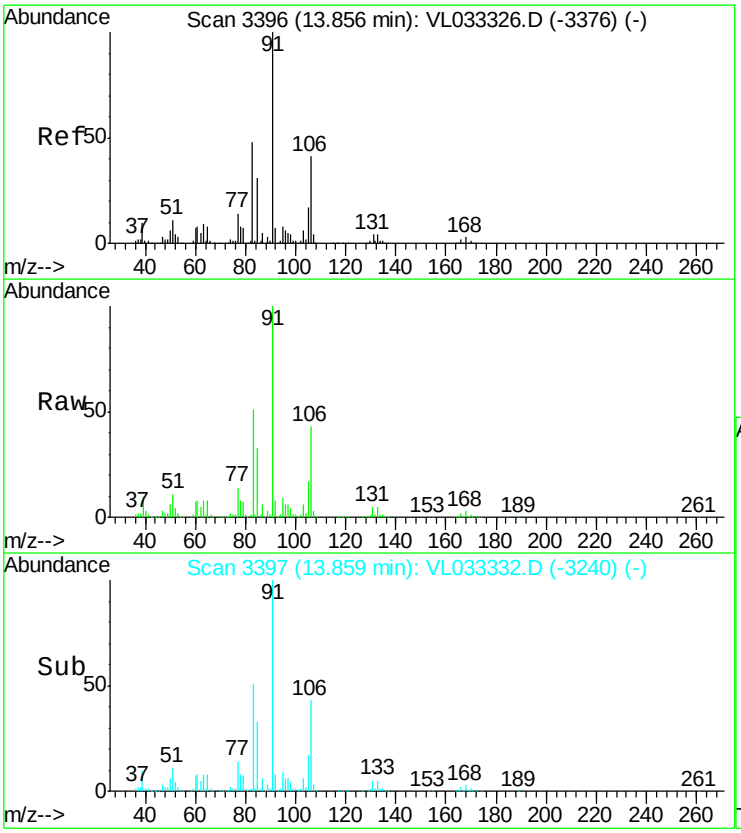
#59
m/p-Xylene
Concen: 13.927 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 3829530

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

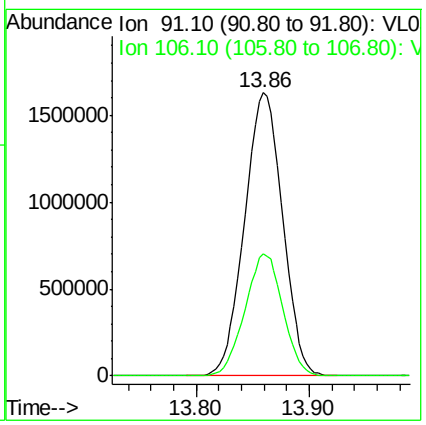


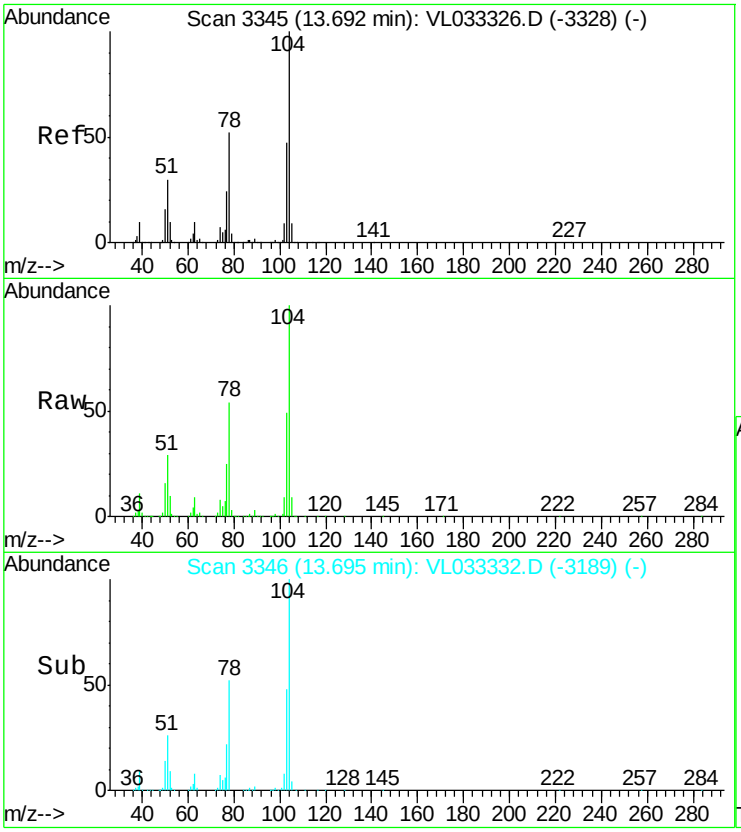


#60
o-Xylene
Concen: 14.145 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 91 Resp: 3809368

Ion	Ratio	Lower	Upper
91	100		
106	42.8	21.3	63.9



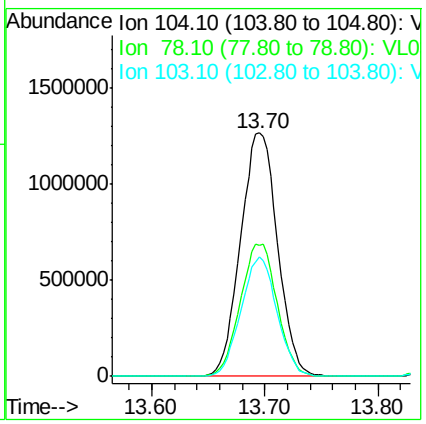


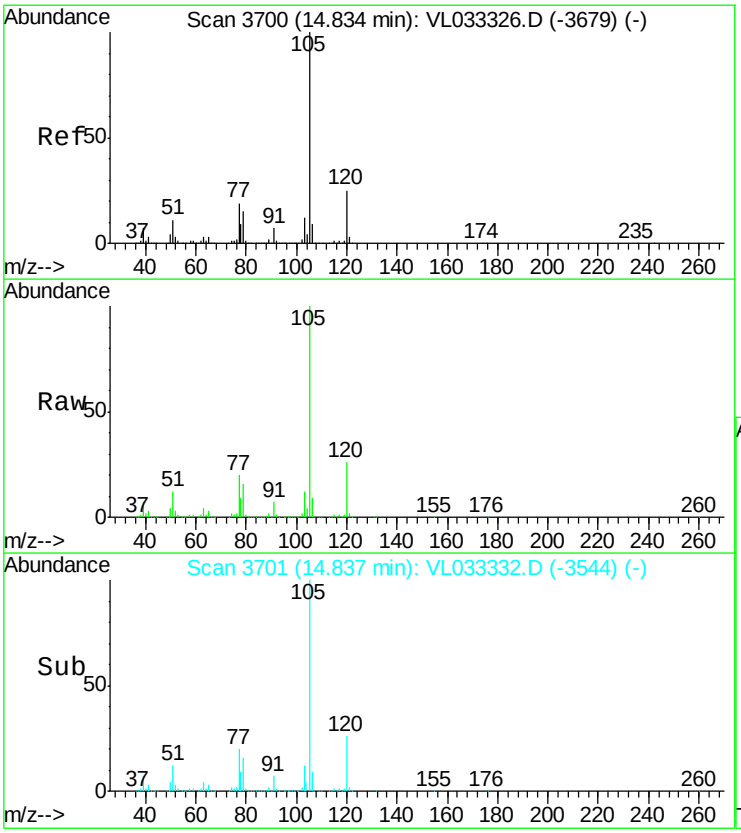
#61
Styrene
Concen: 15.334 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 2884635

Ion	Ratio	Lower	Upper
104	100		
78	54.5	42.7	64.1
103	47.7	38.0	57.0

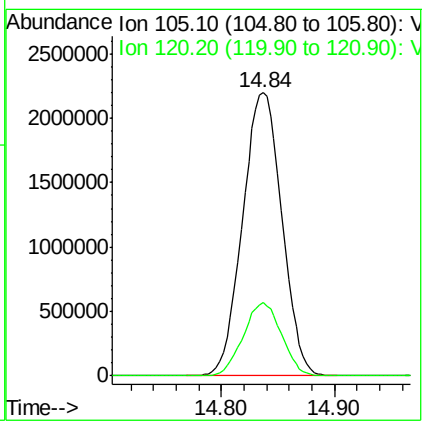


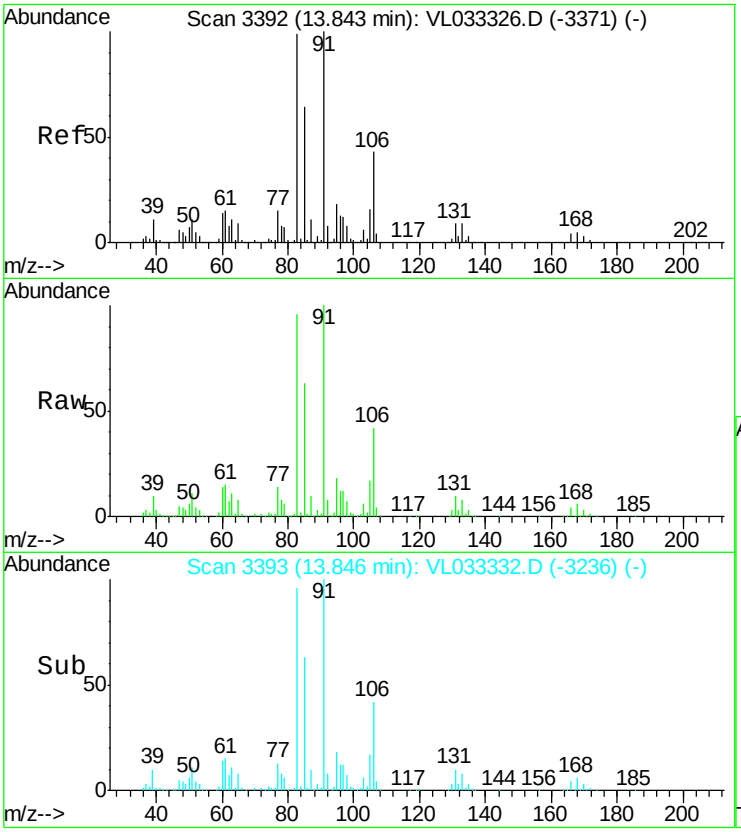


#62
Isopropylbenzene
Concen: 14.227 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:105 Resp: 5295329

Ion	Ratio	Lower	Upper
105	100		
120	25.2	19.9	29.9



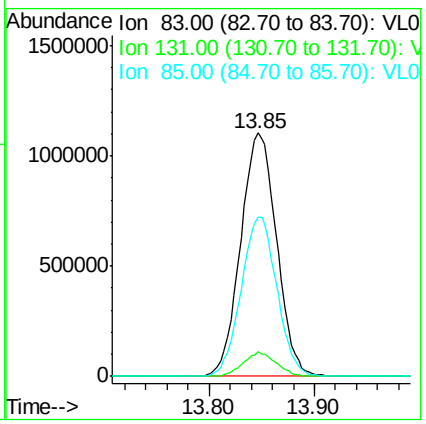


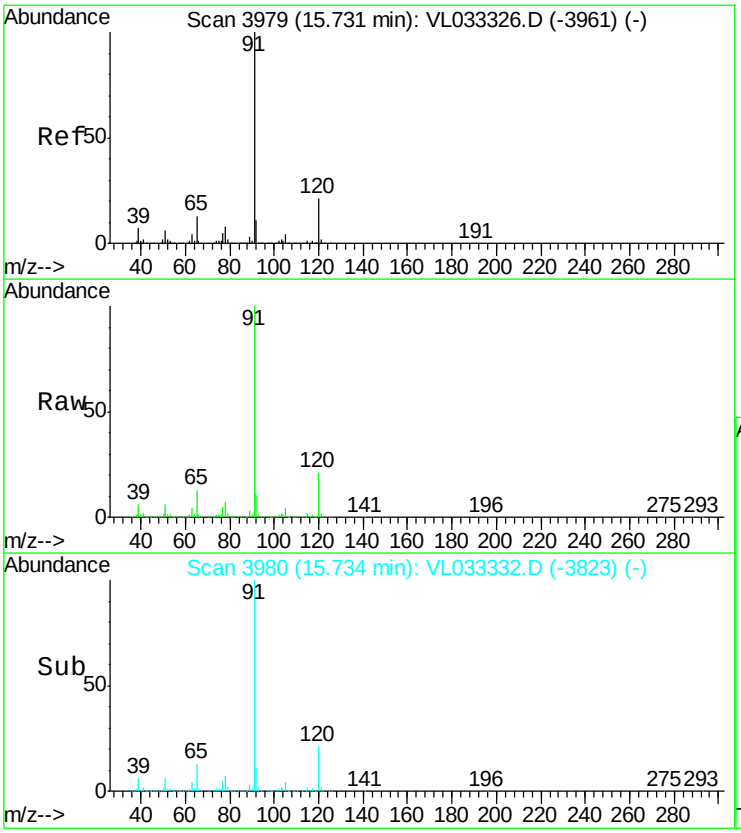
#63
1,1,2,2-Tetrachloroethane
Concen: 12.871 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 2621168

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	65.0	32.5	97.4

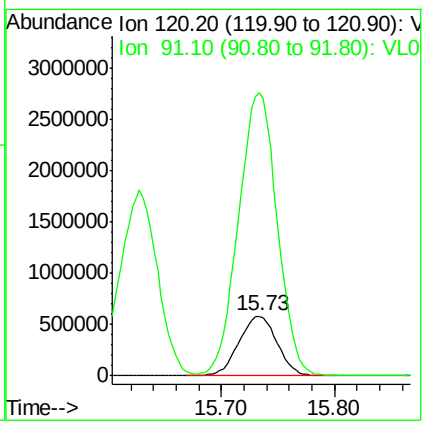


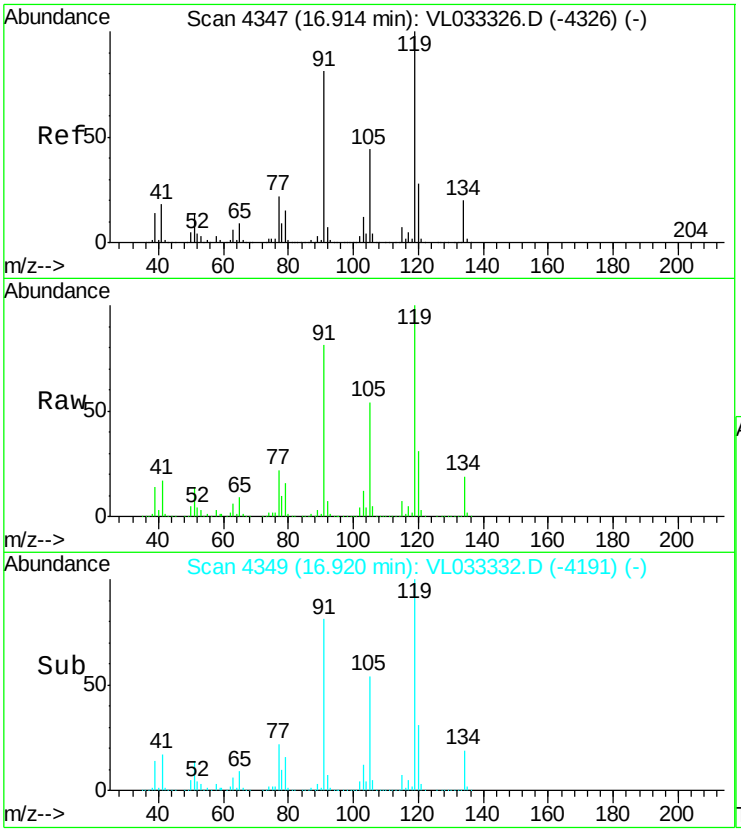


#64
n-propylbenzene
Concen: 14.536 ppbv
RT: 15.73 min Scan# 3980
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:120 Resp: 1365706

Ion	Ratio	Lower	Upper
120	100		
91	480.3	389.8	584.6



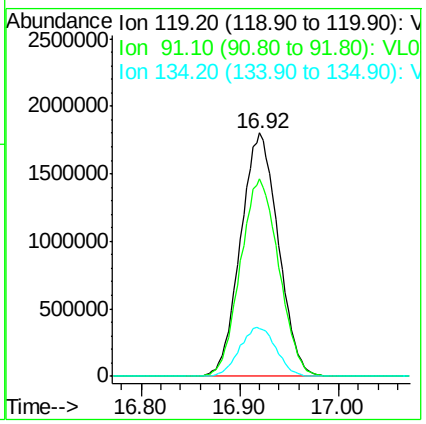


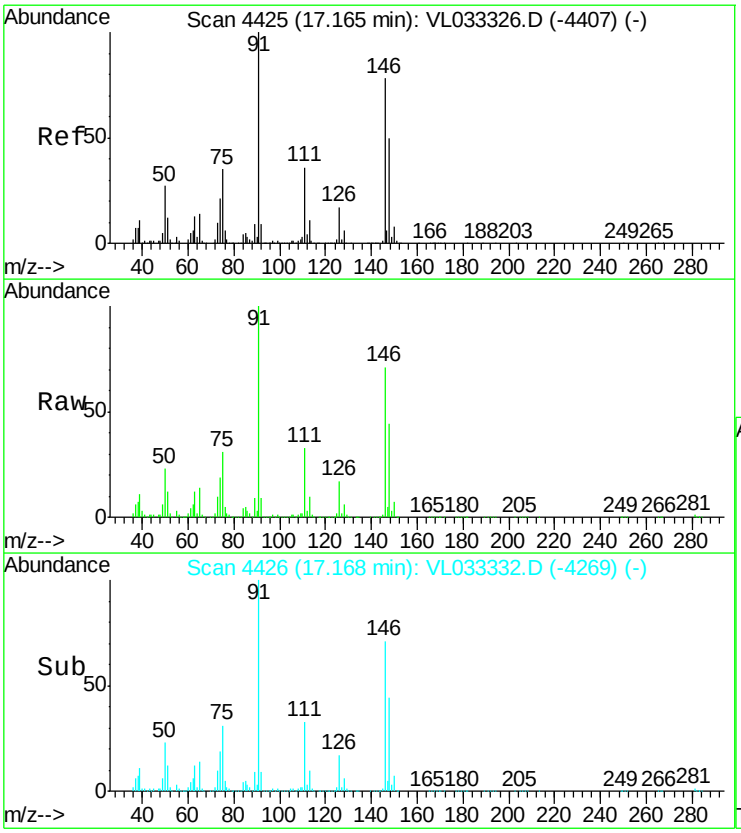
#65
tert-Butylbenzene
Concen: 13.842 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.01 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:119 Resp: 4747906

Ion	Ratio	Lower	Upper
119	100		
91	83.0	67.2	100.8
134	19.5	15.4	23.2

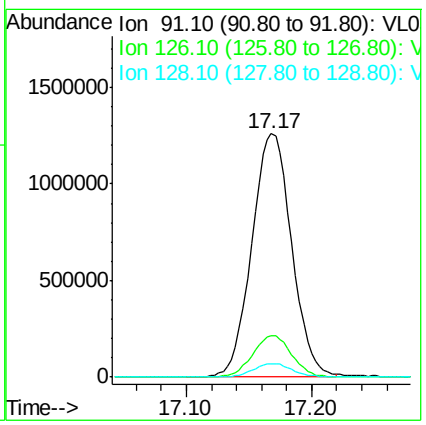


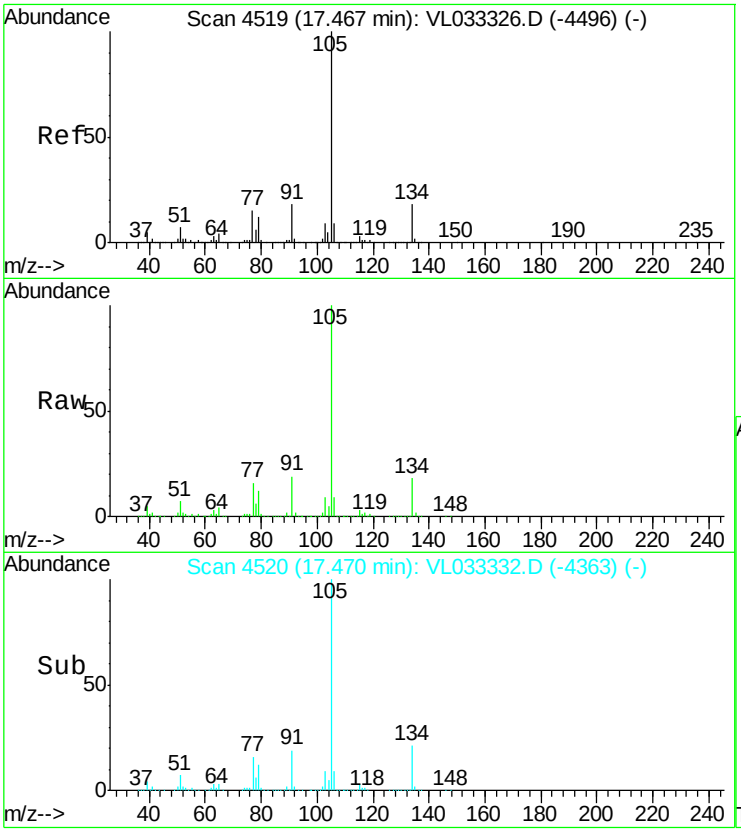


#66
Benzyl Chloride
Concen: 19.894 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 91 Resp: 2784209

Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.2	19.8
128	5.4	4.2	6.4



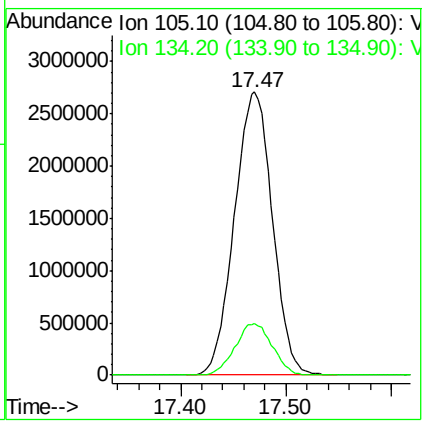


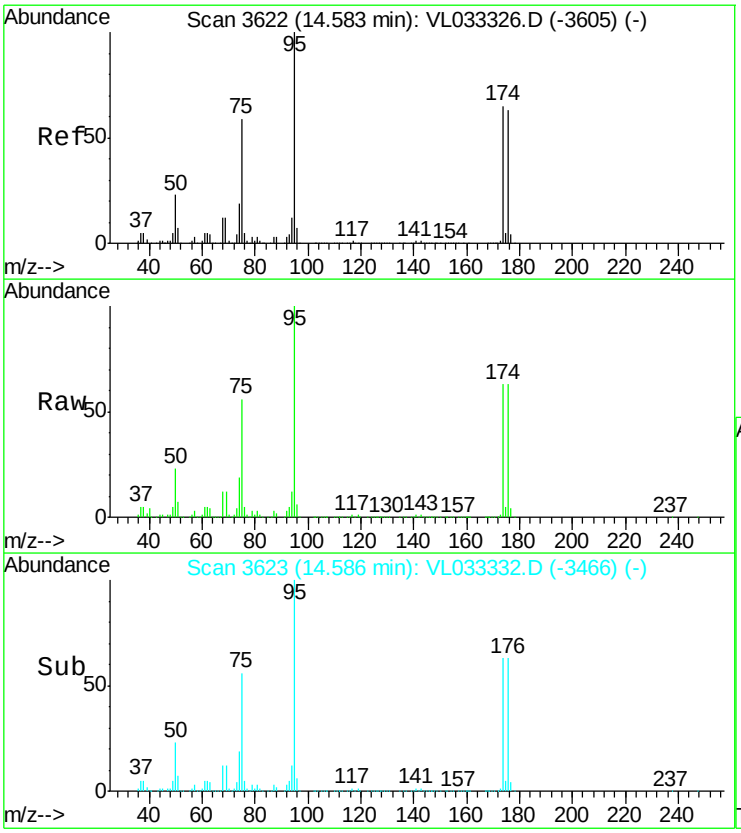
#67
sec-Butylbenzene
Concen: 13.811 ppbv
RT: 17.47 min Scan# 4520
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:105 Resp: 6769777

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.2	21.4

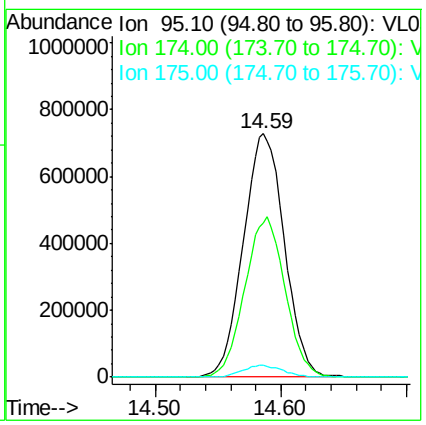


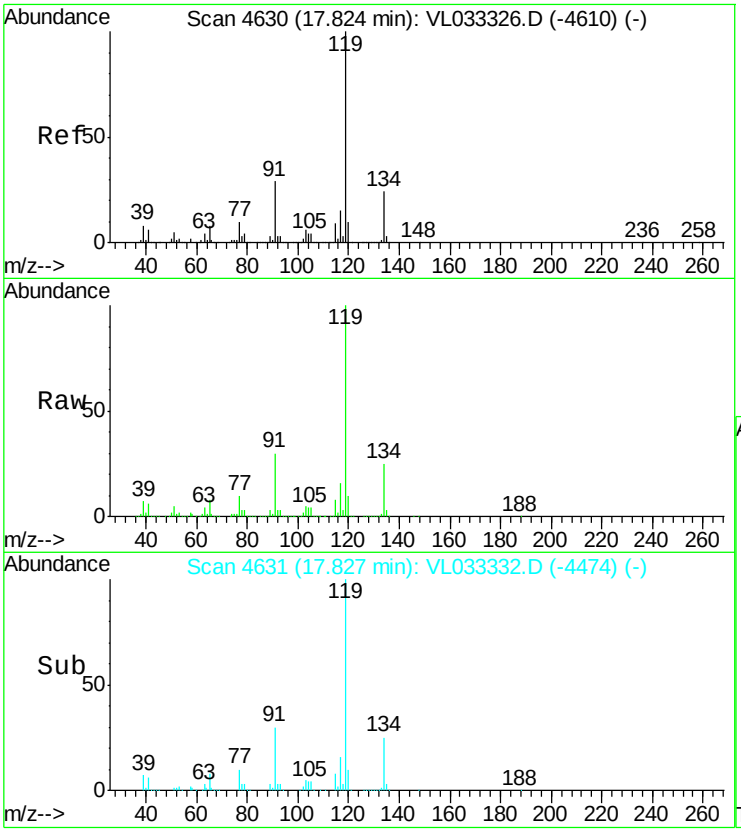


#68
1-Bromo-4-Fluorobenzene
Concen: 9.555 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 95 Resp: 1656731

Ion	Ratio	Lower	Upper
95	100		
174	64.6	51.5	77.3
175	4.7	3.8	5.6



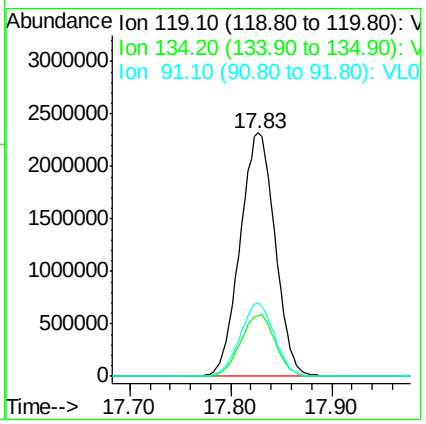


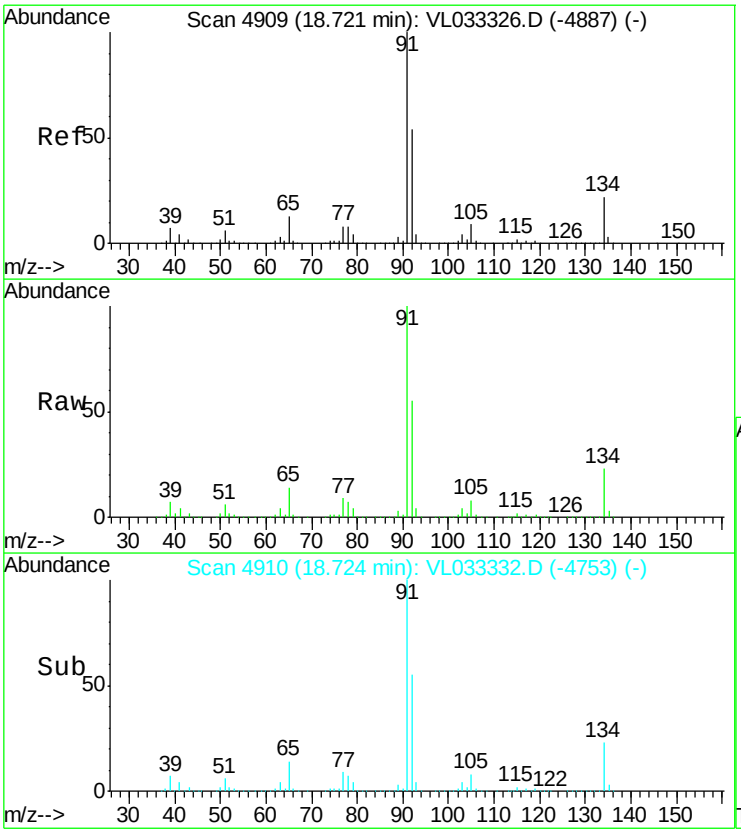
#69
p-Isopropyltoluene
Concen: 13.946 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 5563718

Ion	Ratio	Lower	Upper
119	100		
134	25.2	19.8	29.6
91	29.7	23.4	35.2

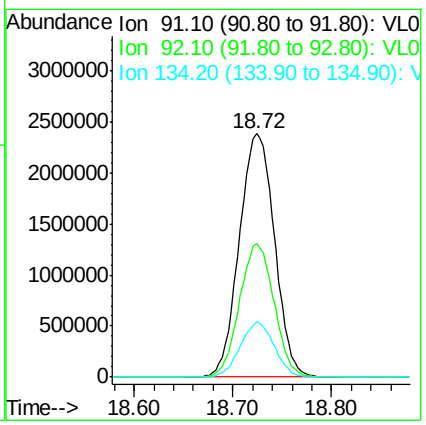


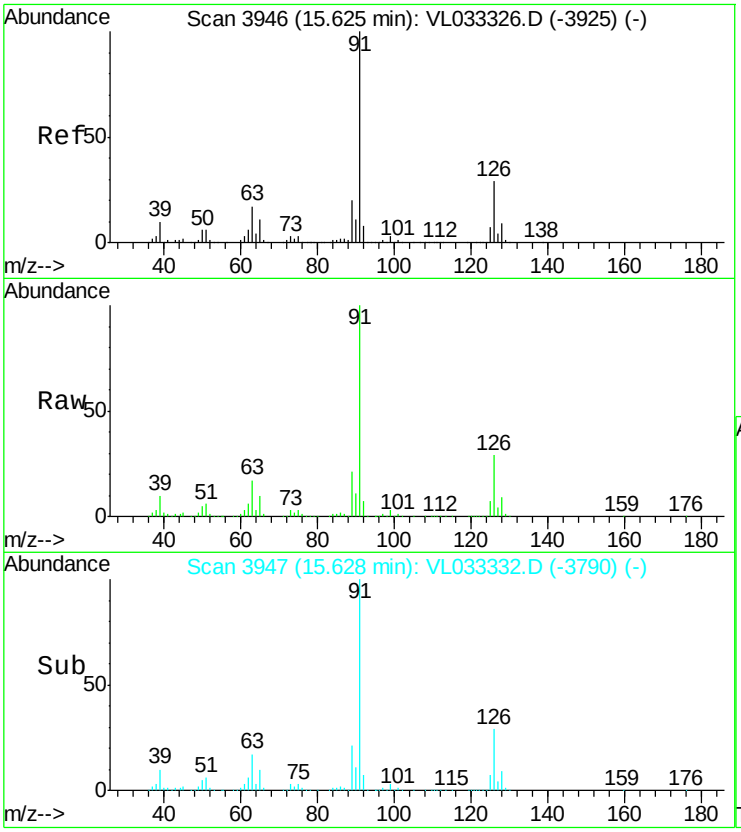


#70
n-Butylbenzene
Concen: 13.816 ppbv
RT: 18.72 min Scan# 4910
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 91 Resp: 5887497

Ion	Ratio	Lower	Upper
91	100		
92	53.6	42.8	64.2
134	21.9	17.4	26.0



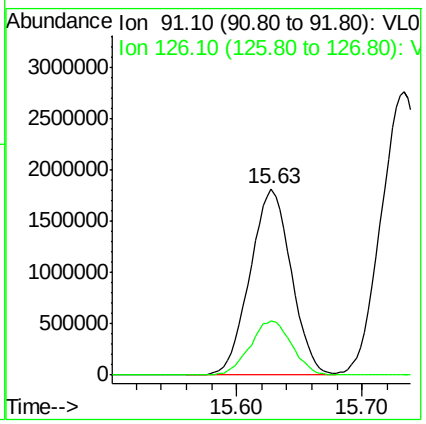


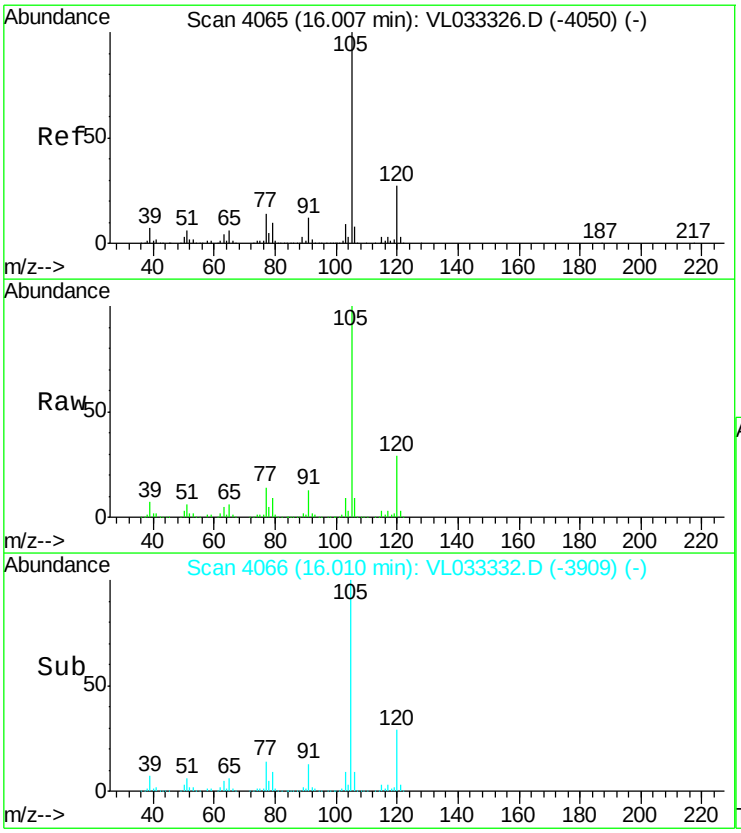
#71
2-Chlorotoluene
Concen: 14.012 ppbv
RT: 15.63 min Scan# 3947
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 91 Resp: 4153112

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.6	46.6

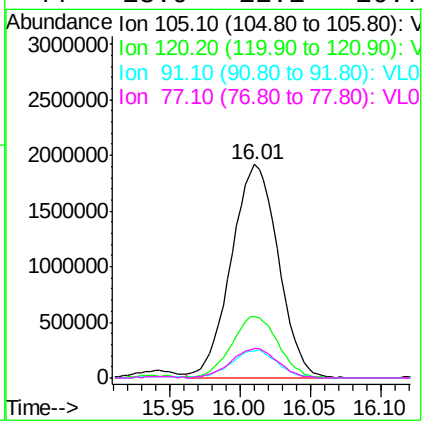


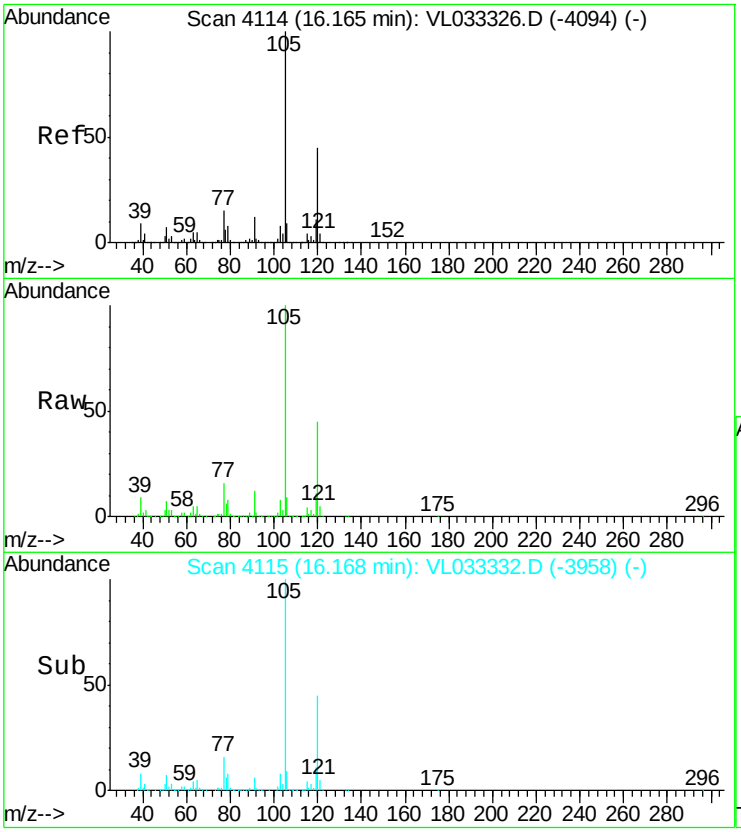


#72
4-Ethyltoluene
Concen: 14.517 ppbv
RT: 16.01 min Scan# 4066
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:105 Resp: 4461213

Ion	Ratio	Lower	Upper
105	100		
120	28.8	22.9	34.3
91	12.9	10.2	15.2
77	13.9	11.1	16.7



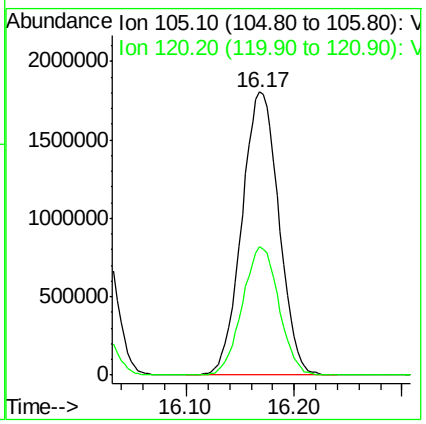


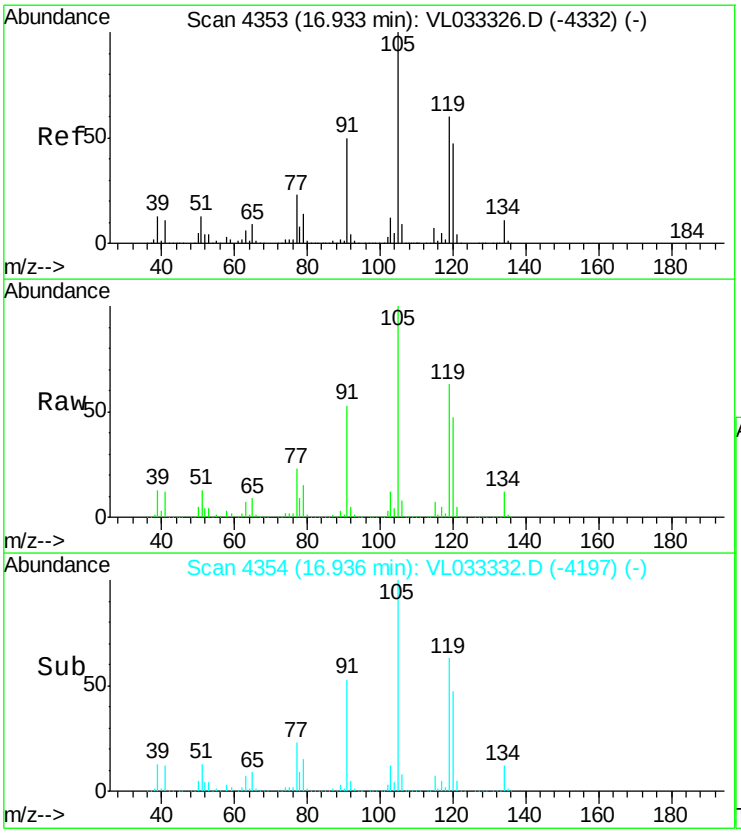
#73
1,3,5-Trimethylbenzene
Concen: 14.116 ppbv
RT: 16.17 min Scan# 4115
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 4295785

Ion	Ratio	Lower	Upper
105	100		
120	45.3	36.2	54.4

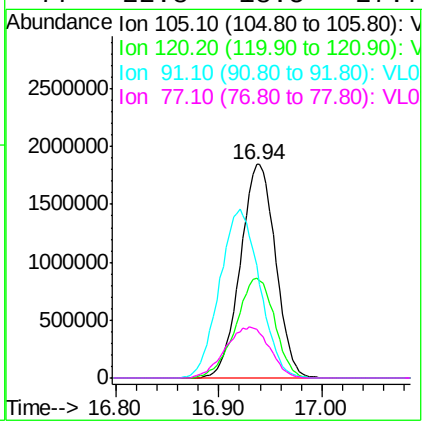


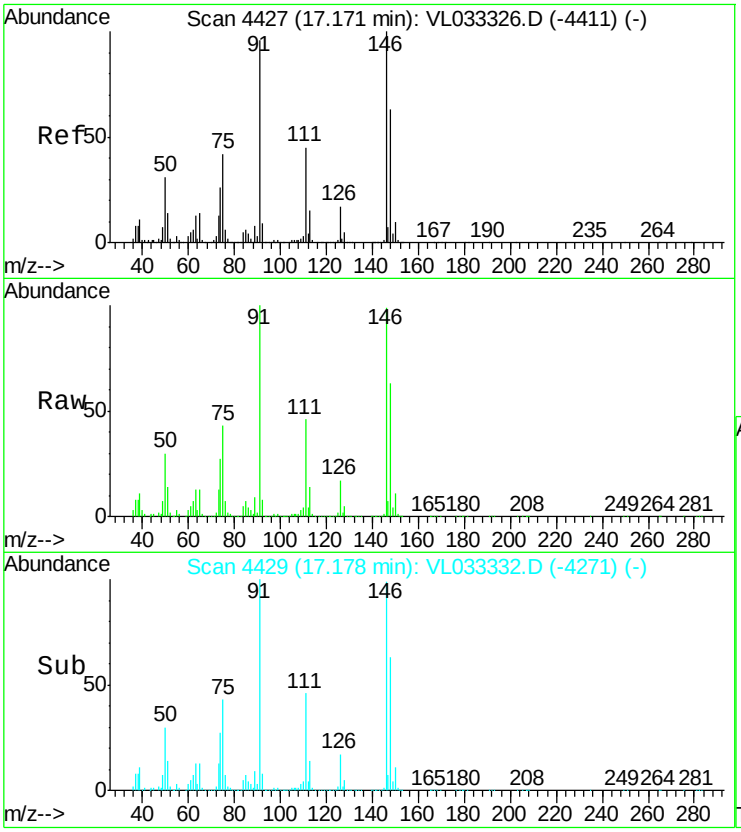


#74
1,2,4-Trimethylbenzene
Concen: 13.654 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:105 Resp: 4373522

Ion	Ratio	Lower	Upper
105	100		
120	46.6	37.4	56.2
91	52.5	41.0	61.4
77	22.8	18.5	27.7



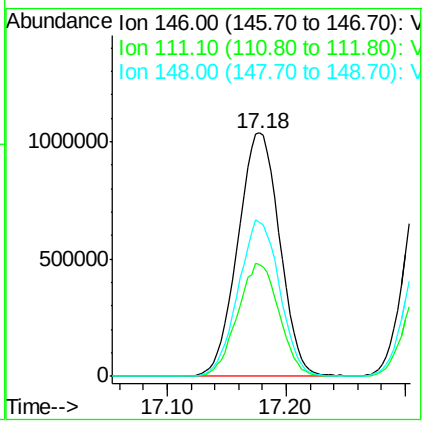


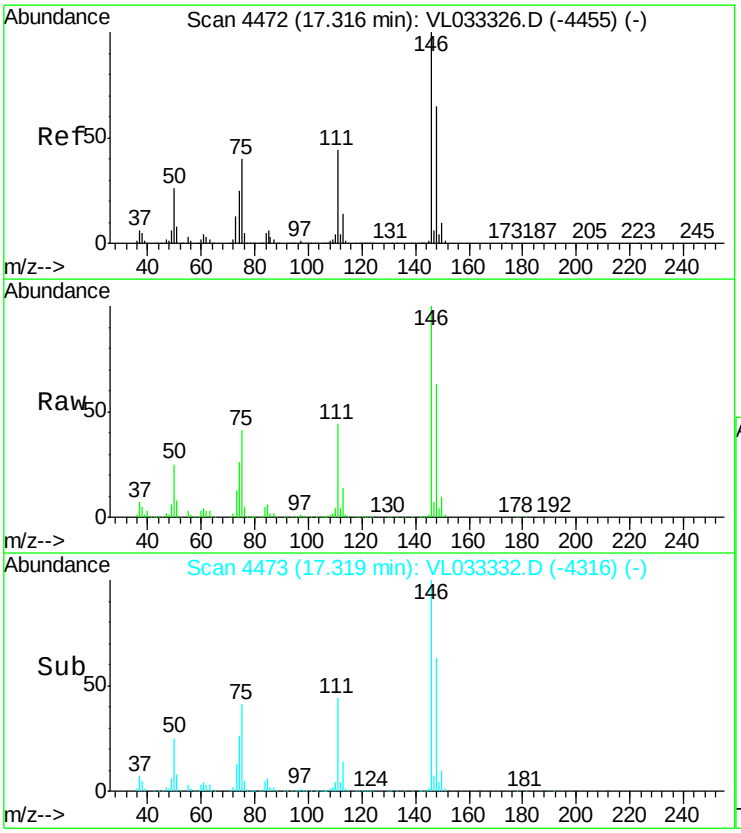
#75
1,3-Dichlorobenzene
Concen: 13.541 ppbv
RT: 17.18 min Scan# 4429
Delta R.T. 0.01 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 2522908

Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.8	68.3
148	63.8	31.9	95.7

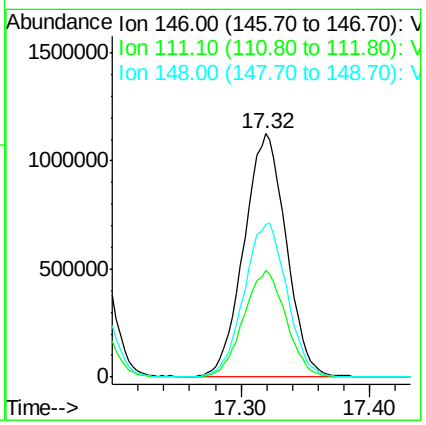


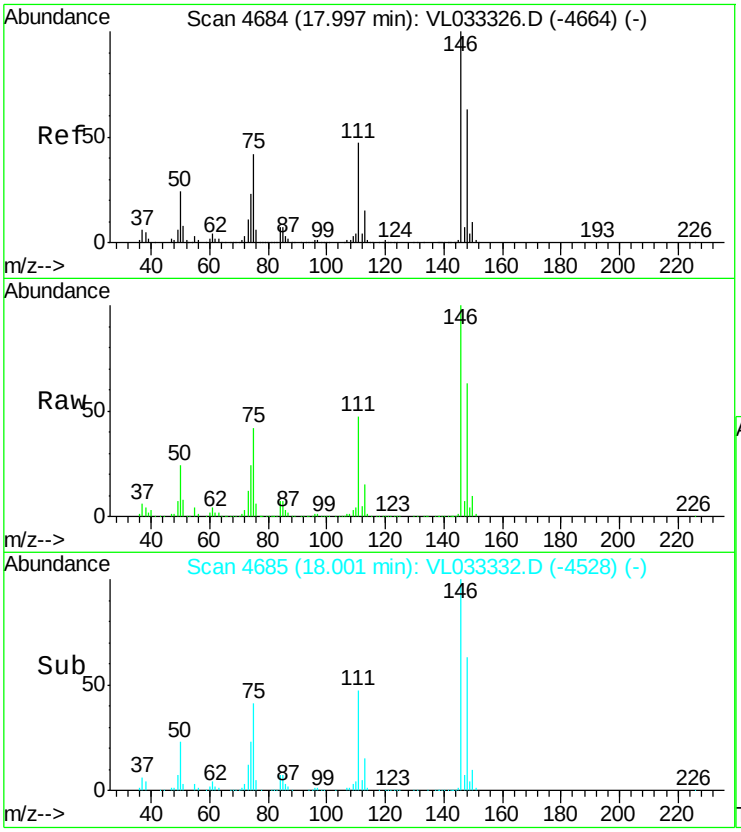


#76
1,4-Dichlorobenzene
Concen: 13.927 ppbv
RT: 17.32 min Scan# 4473
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:146 Resp: 2555168

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.7
148	64.8	32.1	96.5



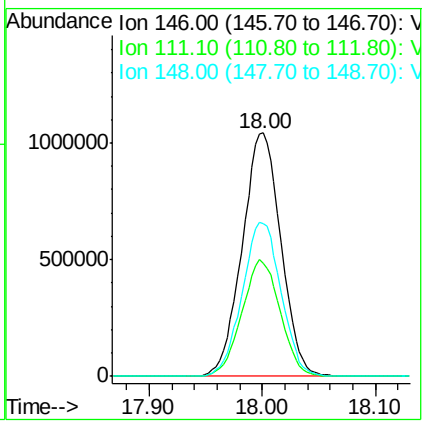


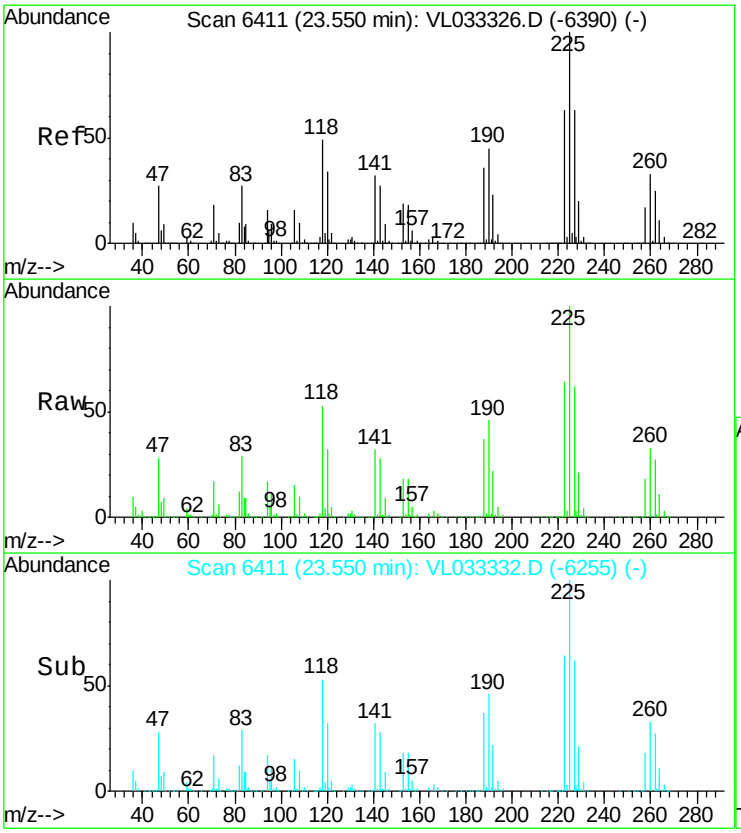
#77
1,2-Dichlorobenzene
Concen: 13.758 ppbv
RT: 18.00 min Scan# 4685
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 2480222

Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.5	70.6
148	63.6	31.9	95.9

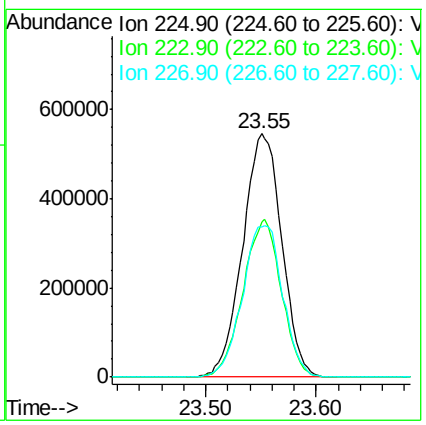


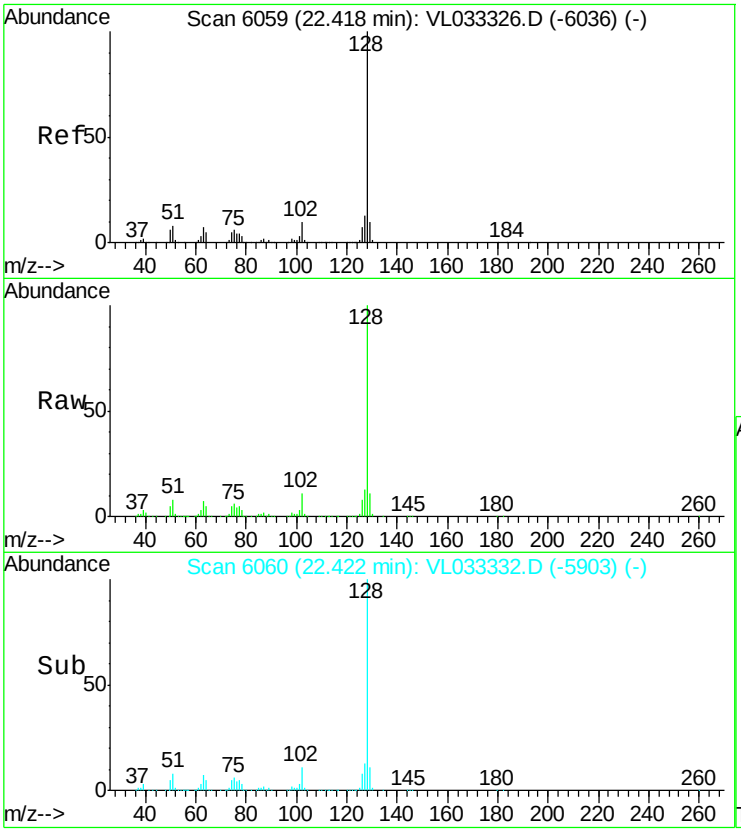


#78
Hexachloro-1,3-Butadiene
Concen: 12.403 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:225 Resp: 1345814

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.4	75.6
227	63.9	50.5	75.7



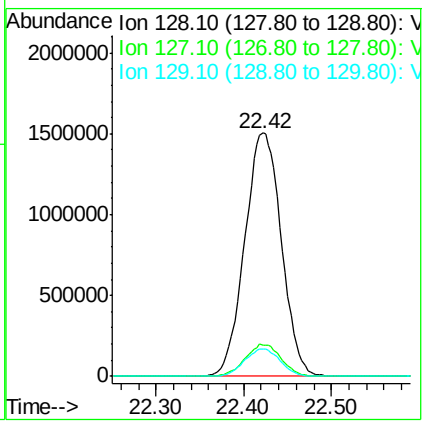


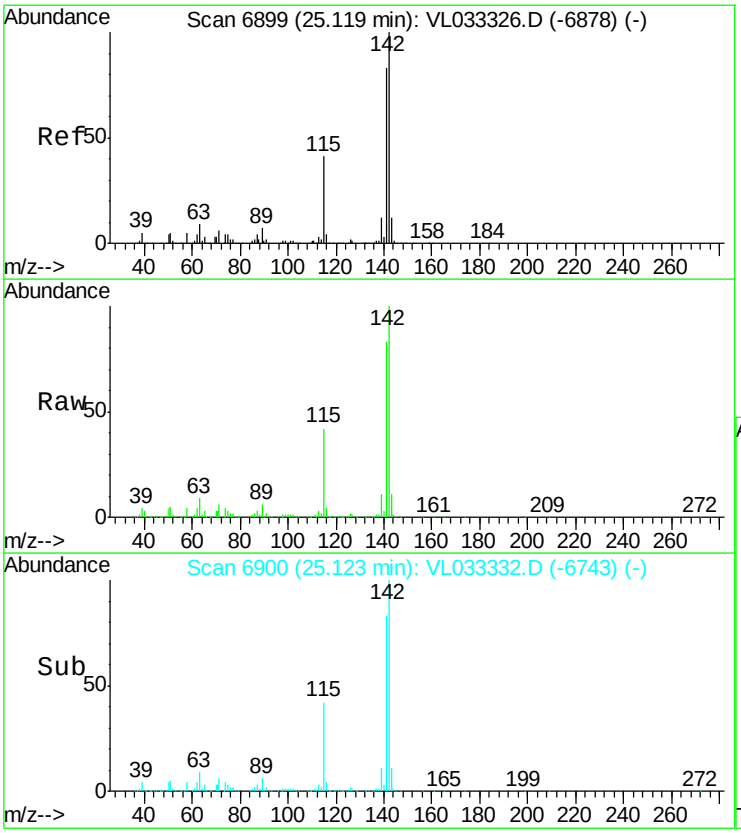
#79
Naphthalene
Concen: 13.944 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 4362187

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.1	8.2	12.2

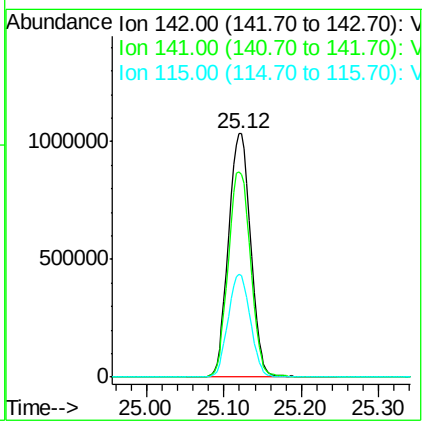


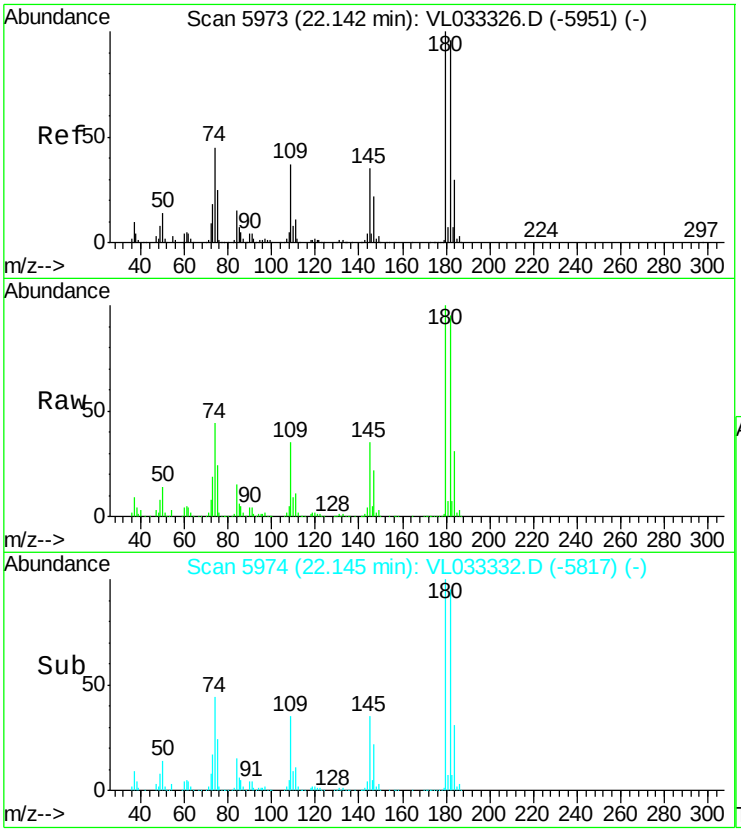


#80
Naphthalene,2-methyl-
Concen: 13.525 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:142 Resp: 2039868

Ion	Ratio	Lower	Upper
142	100		
141	84.9	67.1	100.7
115	42.0	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 13.342 ppbv
RT: 22.15 min Scan# 5974
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 2164175

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.1	114.1
184	30.7	24.6	37.0