Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011619\

Quantitation Report (Not Reviewed)

Data File : VL033109.D
Acq On : 17 Jan 2019 2:34
Operator : SY/AP
Sample : IDOC
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Quant Time: Jan 17 03:58:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1125236	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2797781	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2758764	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2043332	9.66	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	2334956	11.150	ppbv	100
3) Chlorodifluoromethane	3.01	51	1293452	10.155	ppbv	99
4) Chloromethane	3.17	50	712500	9.766	ppbv	97
5) Vinyl Chloride	3.29	62	725701	9.849	ppbv	100
6) Bromomethane	3.51	94	473237	9.455	ppbv	100
7) Chloroethane	3.60	64	280660	9.741	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1807859	10.022	ppbv	99
9) Propene	3.04	41	531116	11.162	ppbv	99
10) Heptane	8.25	43	1356507	10.013	ppbv	100
11) Trichlorofluoromethane	4.00	101	1940220	8.385	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1324611	9.053	ppbv	99
13) Ethanol	3.64	45	101600	5.354	ppbv	95
14) Bromoethene	3.79	108	612209	9.473	ppbv	99
15) Acetone	3.90	43	1413841	9.078	ppbv	99
16) 1,3-Butadiene	3.36	39	617605	10.516	ppbv	98
17) tert-Butyl alcohol	4.36	59	289529	8.776	ppbv	99
18) 1,1-Dichloroethene	4.35	96	620982	9.214	ppbv	98
19) Isopropyl Alcohol	4.02	45	720445	6.719	ppbv #	99
20) Methylene Chloride	4.41	84	521464	8.031	ppbv	97
21) Allyl Chloride	4.48	41	958955	9.936	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	618780	9.262	ppbv	96
23) Vinyl Acetate	5.15	43	2020127	10.196	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1525736	9.069	ppbv	99
25) Ethyl Acetate	5.77	43	2388197	9.072	ppbv	100
26) Hexane	5.78	57	1133950	9.148	ppbv	98
27) Carbon Disulfide	4.62	76	1540535	10.077	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1871327	9.671	ppbv	100
29) Chloroform	5.85	83	1860203	8.806	ppbv	99
30) Cyclohexane	7.25	84	949600	10.274	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1162608	10.100	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1949056	9.091	ppbv	100
34) 2-Butanone	5.33	43	1563262	9.617	ppbv	99
35) Carbon Tetrachloride	7.13	117	2143408	8.919	ppbv	99
36) Benzene	7.00	78	2285649	9.973	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1430273	8.939	ppbv	100
38) Trichloroethene	7.96	130	942337	9.995	ppbv	97
39) 1,2-Dichloropropane	7.74	63	830868	9.651	ppbv	98
40) 1,4-Dioxane	7.95	88	297998	9.118	ppbv	90
41) Tetrahydrofuran	6.15	42	848875	10.260	ppbv	98
42) Bromodichloromethane	7.92	83	2005802	9.125	ppbv	99
43) Methyl Methacrylate	8.14	69	895060	10.408	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011619\

Quantitation Report (Not Reviewed)

Data File : VL033109.D
Acq On : 17 Jan 2019 2:34
Operator : SY/AP
Sample : IDOC
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Quant Time: Jan 17 03:58:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3774773	9.726	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	1202526	11.234	ppbv		99
46) cis-1,3-Dichloropropene	8.83	75	1390522	11.381	ppbv		98
47) 1,1,2-Trichloroethane	9.61	97	928087	9.227	ppbv		98
48) Dibromochloromethane	10.45	129	1677276	9.438	ppbv		99
49) Bromoform	13.20	173	1378038	8.875	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	2132017	10.351	ppbv		100
51) 2-Hexanone	10.27	43	1574482	10.564	ppbv		100
52) Tetrachloroethene	11.37	164	796334	9.830	ppbv		98
53) Toluene	9.95	91	2586872	10.533	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1397213	9.641	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1210111	8.489	ppbv		98
57) Chlorobenzene	12.30	112	1970299	8.556	ppbv		97
58) Ethyl Benzene	12.86	91	3408427	9.785	ppbv		98
59) m/p-Xylene	13.13	91	3131194	9.718	ppbv	#	100
60) o-Xylene	13.85	91	2816242	8.928	ppbv		99
61) Styrene	13.69	104	2068593	10.277	ppbv		100
62) Isopropylbenzene	14.83	105	3906792	8.703	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1878762	8.018	ppbv		99
64) n-propylbenzene	15.72	120	992106	8.700	ppbv		98
65) tert-Butylbenzene	16.91	119	3461389	8.705	ppbv		99
66) Benzyl Chloride	17.15	91	2007370	8.857	ppbv		100
67) sec-Butylbenzene	17.46	105	4898059	8.607	ppbv		99
69) p-Isopropyltoluene	17.82	119	4126263	8.934	ppbv		100
70) n-Butylbenzene	18.71	91	4279746	9.218	ppbv		100
71) 2-Chlorotoluene	15.61	91	2886463	9.066	ppbv		99
72) 4-Ethyltoluene	16.00	105	3182659	9.181	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3022797	8.838	ppbv		100
74) 1,2,4-Trimethylbenzene	16.93	105	3187780	8.415	ppbv		95
75) 1,3-Dichlorobenzene	17.16	146	1845094	8.275	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	1805867	8.891	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1789217	8.910	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	1170189	7.587	ppbv		99
79) Naphthalene	22.41	128	3774827	11.831	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	853289	8.812	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1758962	11.411	ppbv		99

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

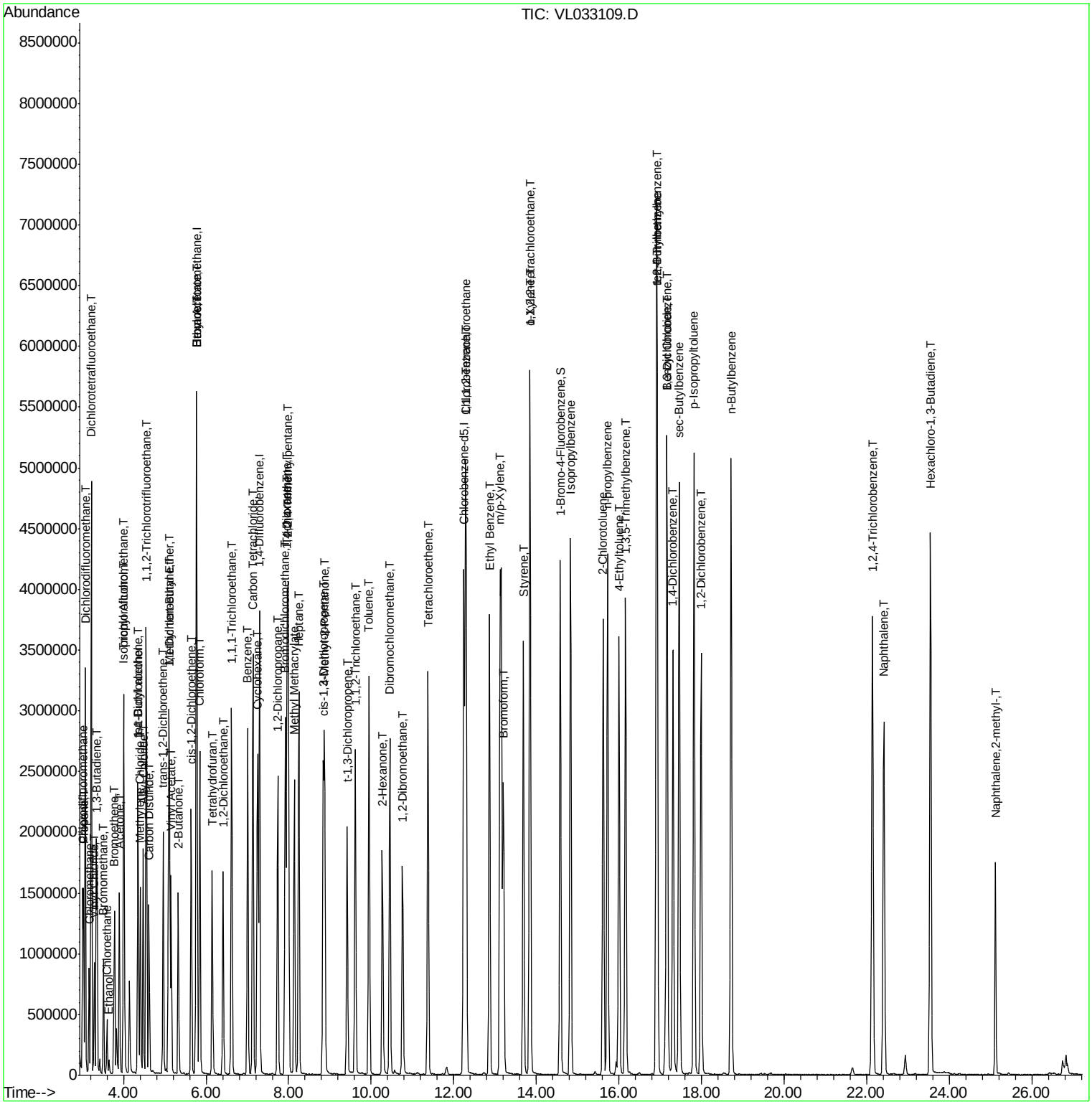
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011619\

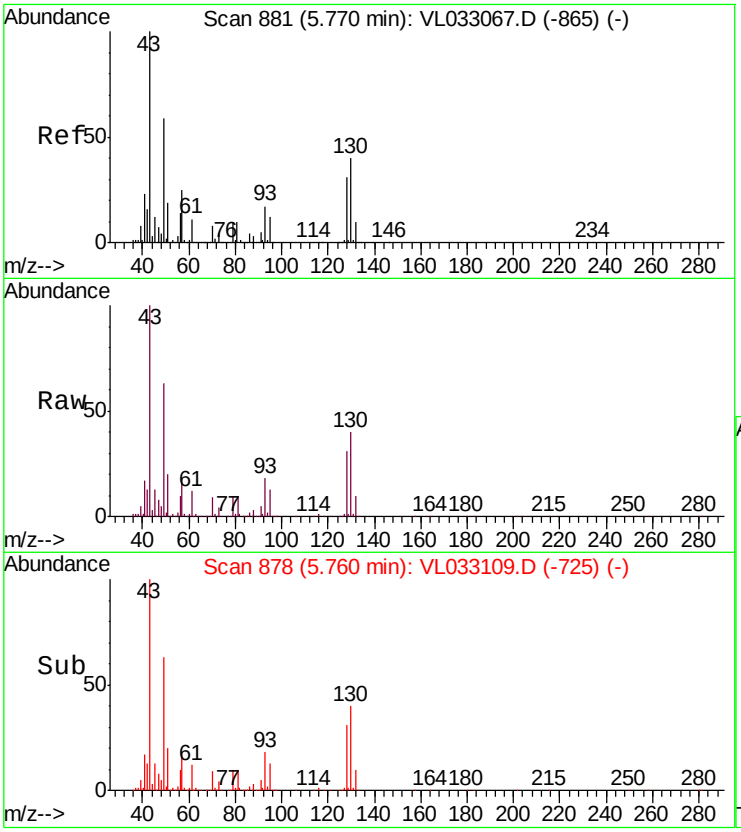
Quantitation Report (Not Reviewed)

Data File : VL033109.D
Acq On : 17 Jan 2019 2:34
Operator : SY/AP
Sample : IDOC
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Quant Time: Jan 17 03:58:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration



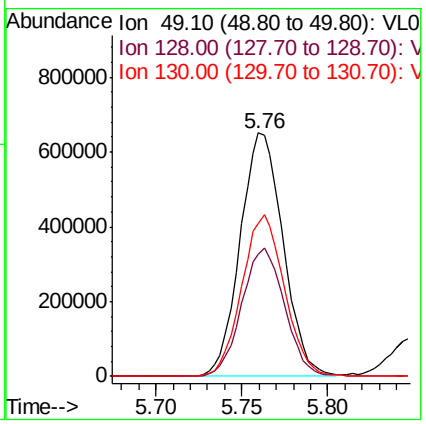


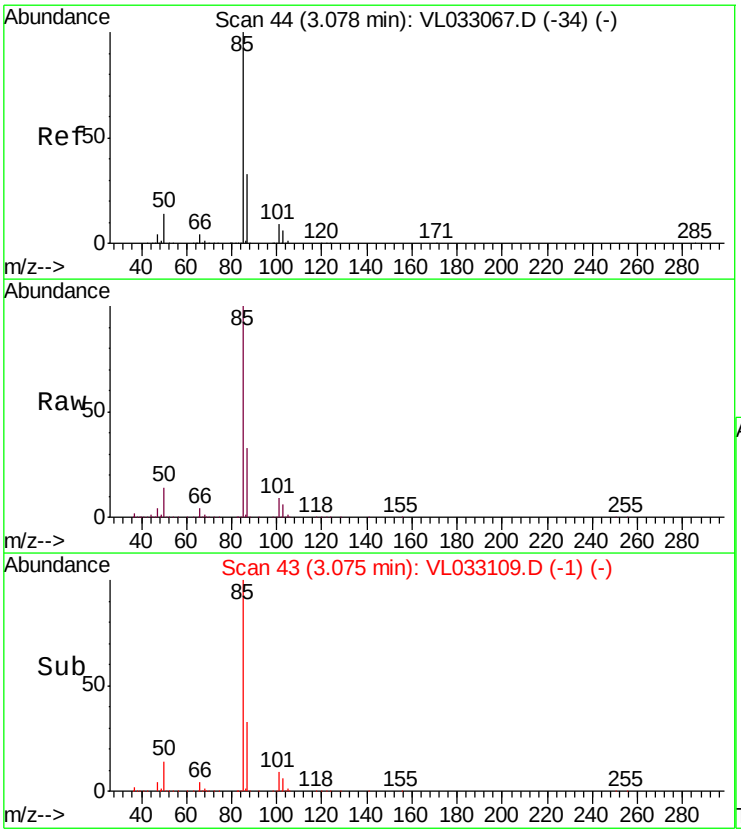
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion: 49 Resp: 1125236

Ion	Ratio	Lower	Upper
49	100		
128	52.7	26.2	78.5
130	66.5	33.6	100.6

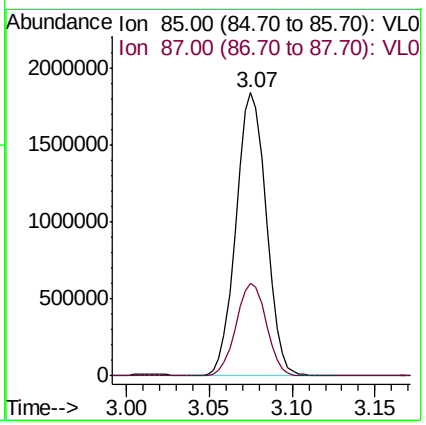


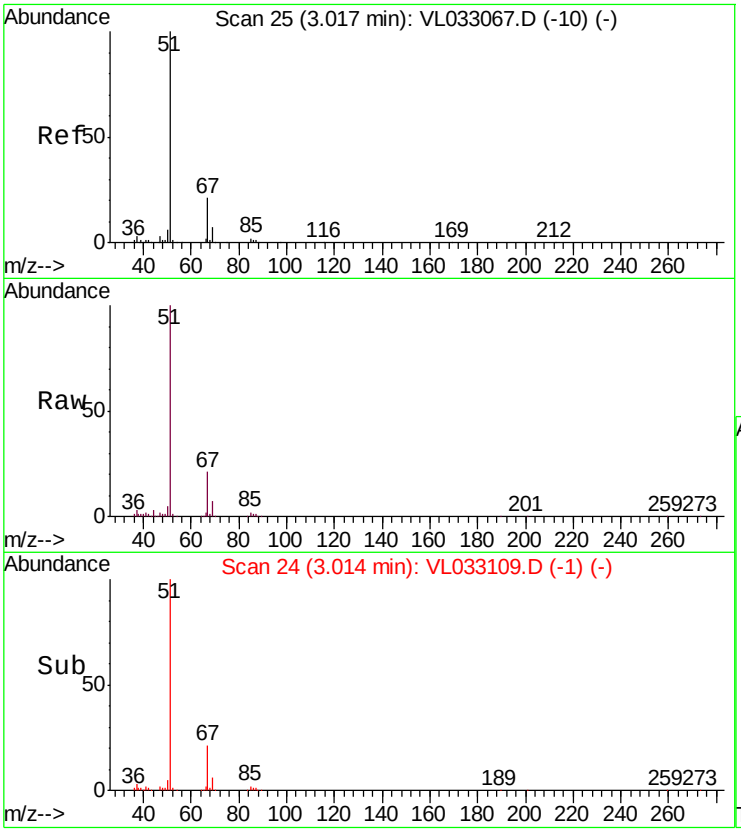


#2
Dichlorodifluoromethane
Concen: 11.150 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 85 Resp: 2334956

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.3	39.5



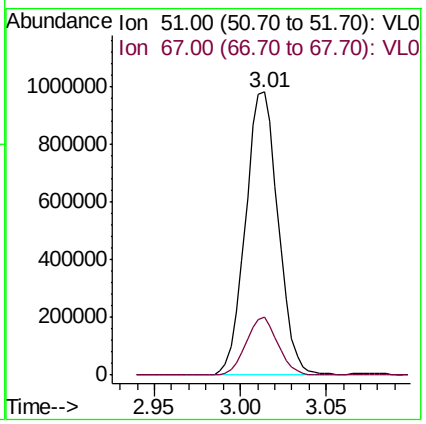


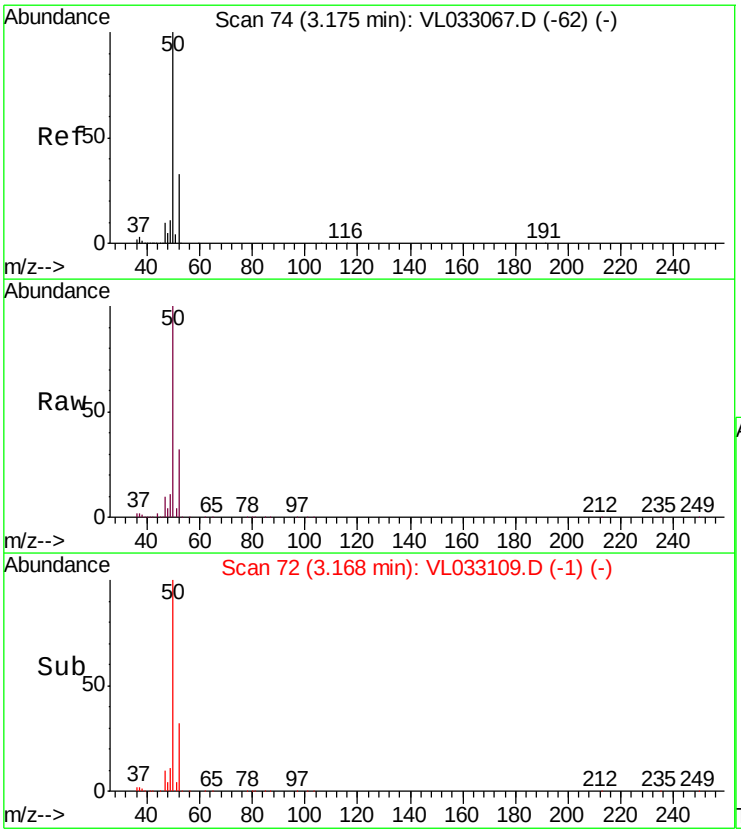
#3
Chlorodifluoromethane
Concen: 10.155 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 51 Resp: 1293452

Ion	Ratio	Lower	Upper
51	100		
67	19.9	16.3	24.5

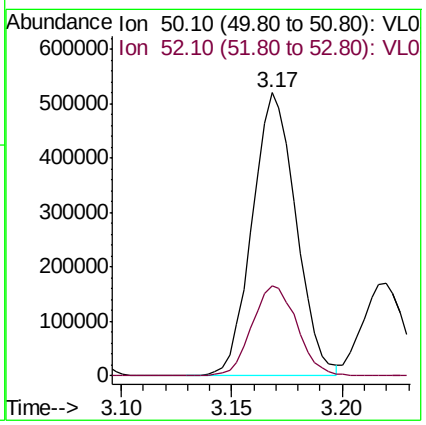


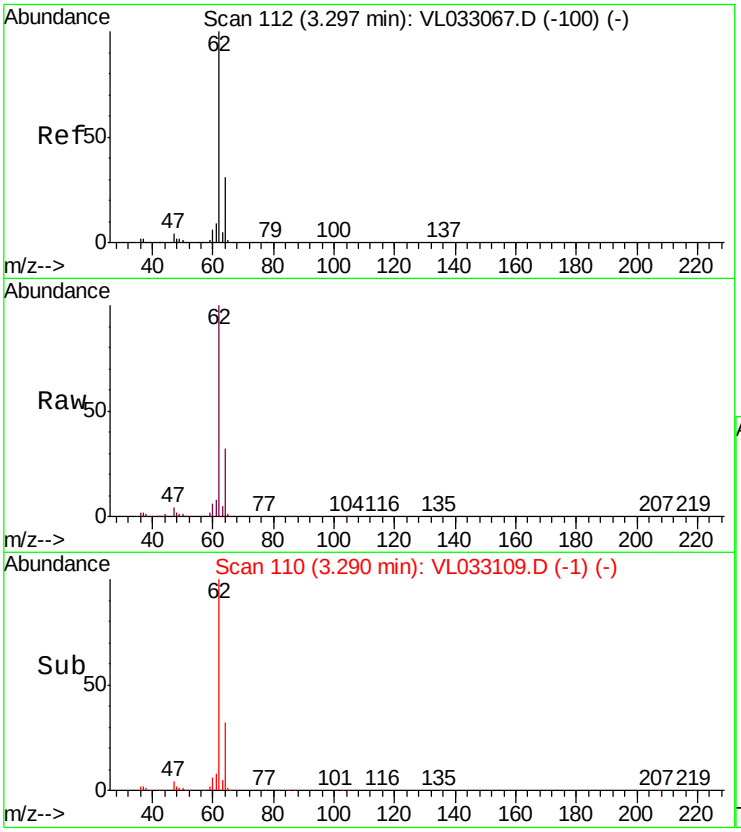


#4
Chloromethane
Concen: 9.766 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 50 Resp: 712500

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.9	40.3



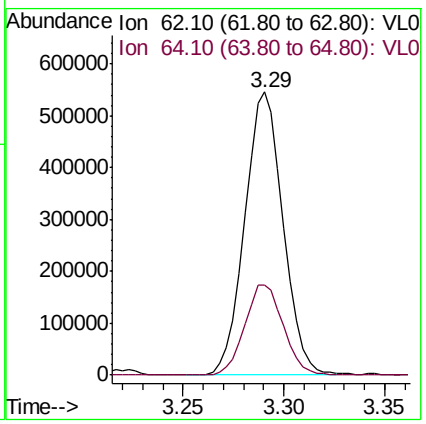


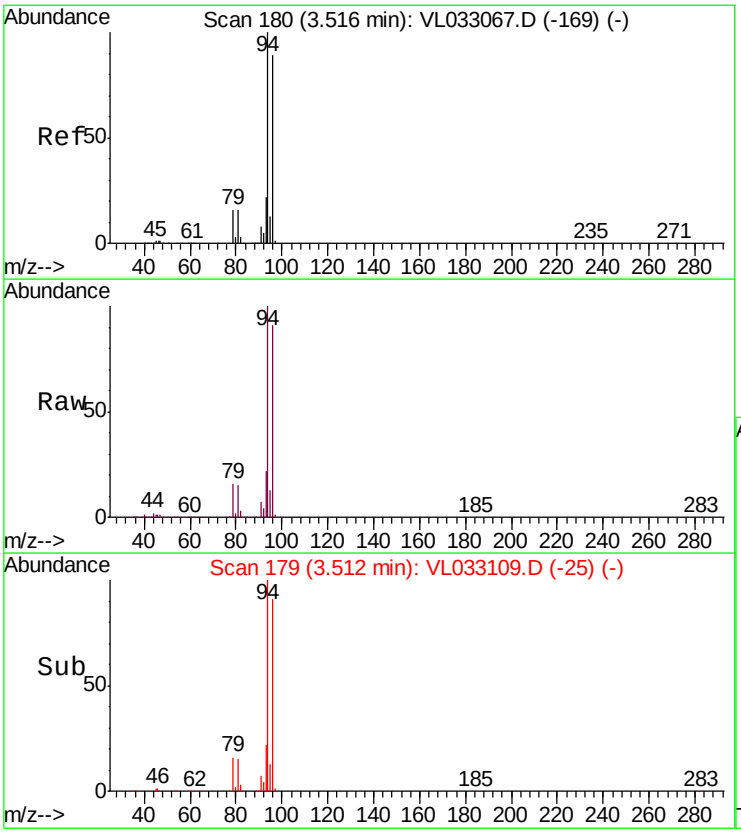
#5
Vinyl Chloride
Concen: 9.849 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 62 Resp: 725701

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.3	37.9

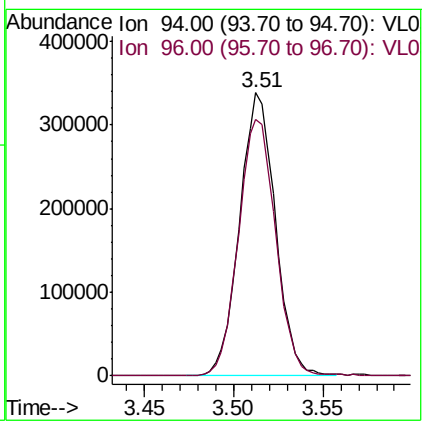


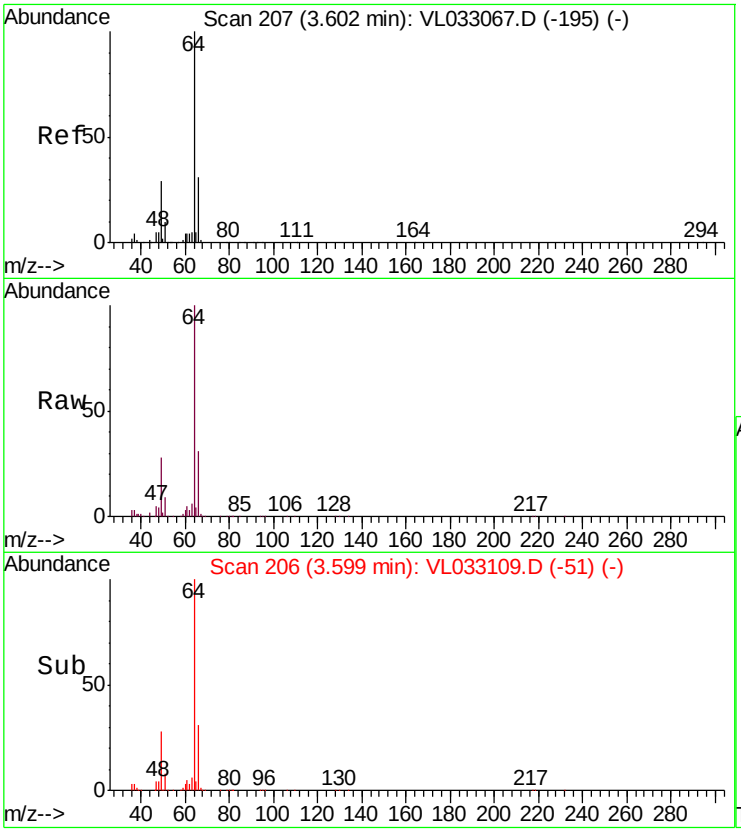


#6
Bromomethane
Concen: 9.455 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 94 Resp: 473237

Ion	Ratio	Lower	Upper
94	100		
96	90.6	72.8	109.2



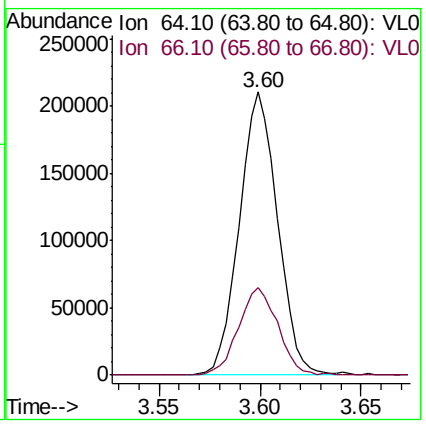


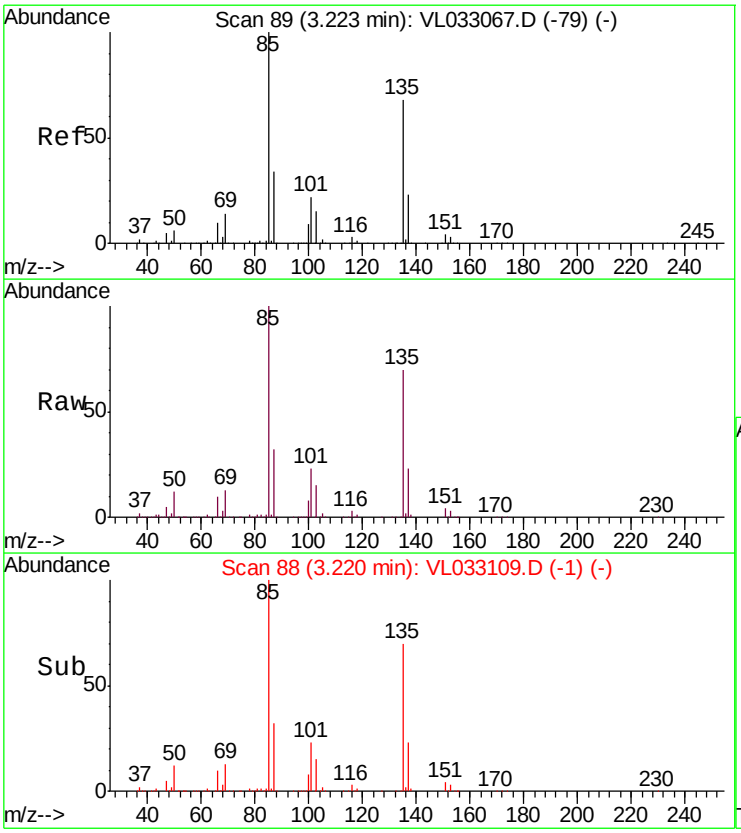
#7
Chloroethane
Concen: 9.741 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 64 Resp: 280660

Ion	Ratio	Lower	Upper
64	100		
66	31.0	23.7	35.5

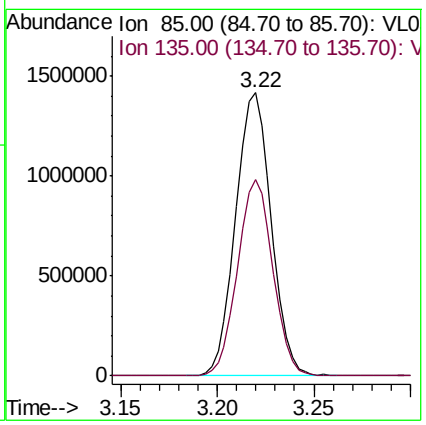


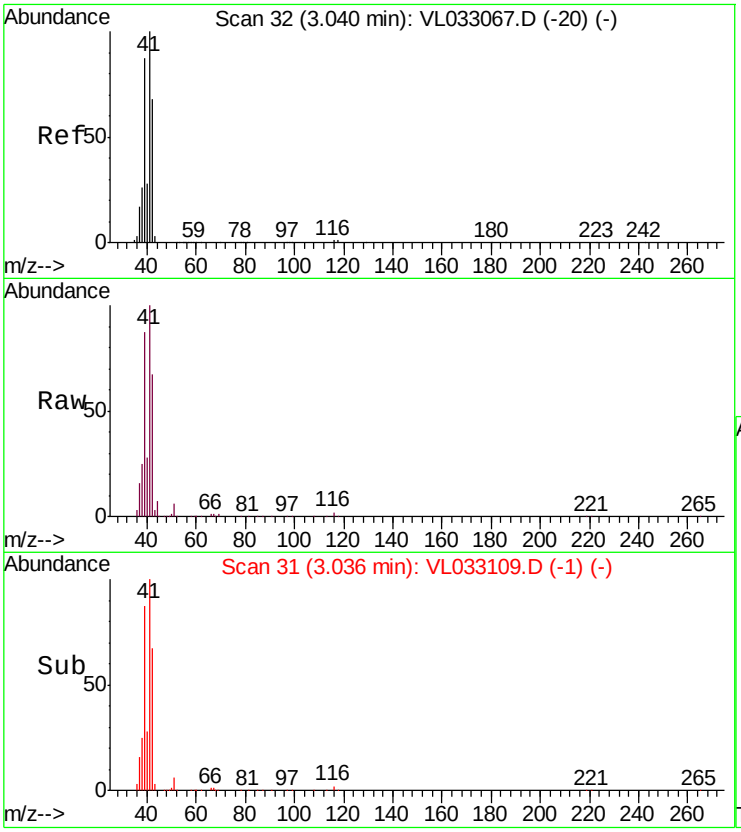


#8
Dichlorotetrafluoroethane
Concen: 10.022 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 85 Resp: 1807859

Ion	Ratio	Lower	Upper
85	100		
135	69.1	54.9	82.3



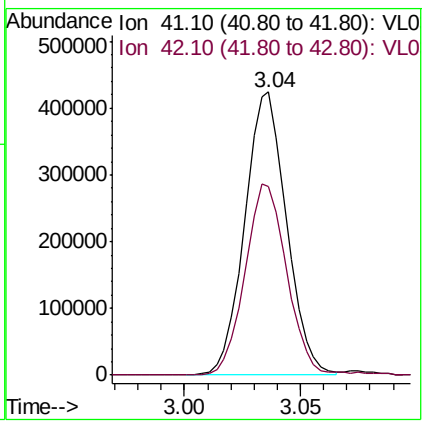


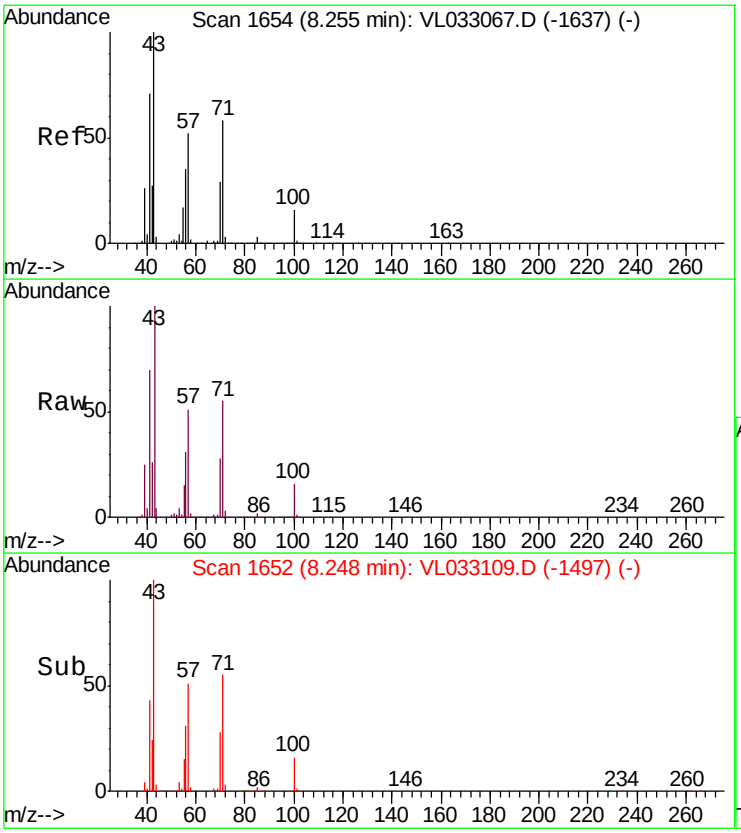
#9
Propene
Concen: 11.162 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 41 Resp: 531116

Ion	Ratio	Lower	Upper
41	100		
42	68.4	55.3	82.9

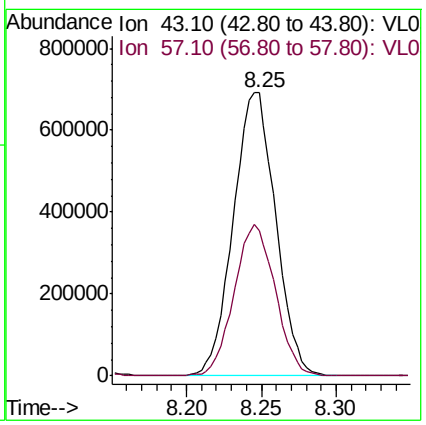


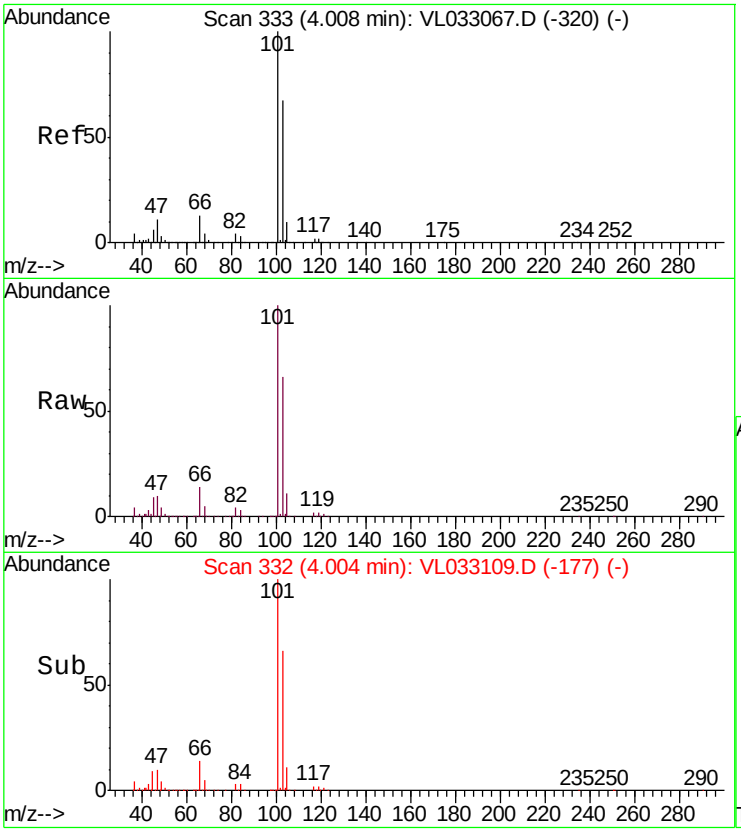


#10
Heptane
Concen: 10.013 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 43 Resp: 1356507

Ion	Ratio	Lower	Upper
43	100		
57	52.4	41.9	62.9



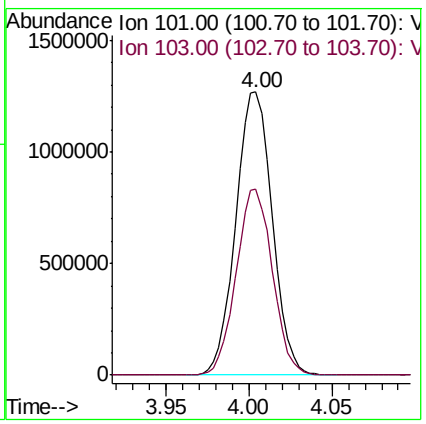


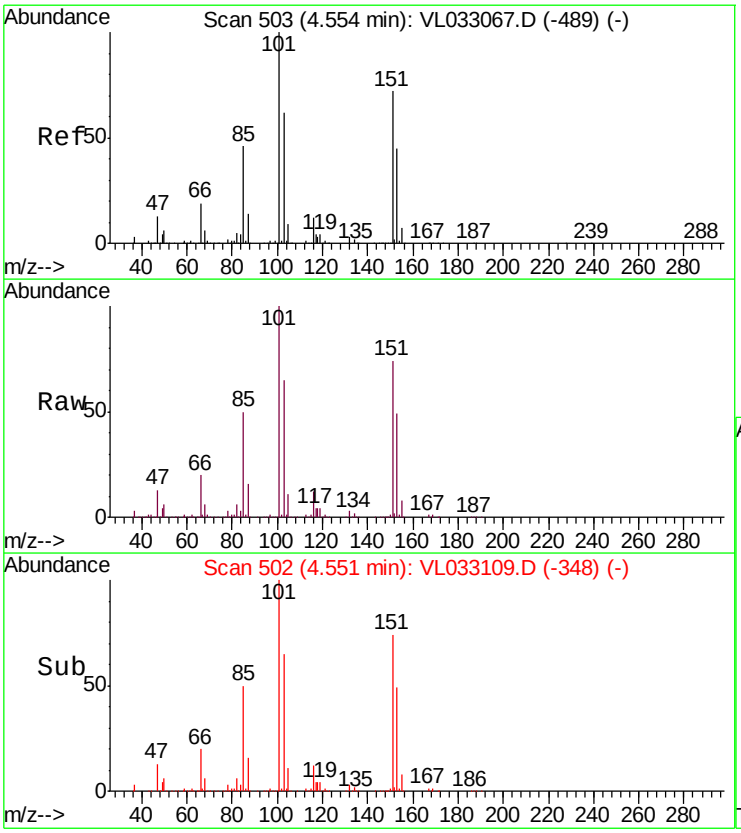
#11
Trichlorofluoromethane
Concen: 8.385 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion:101 Resp: 1940220

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.7	77.5

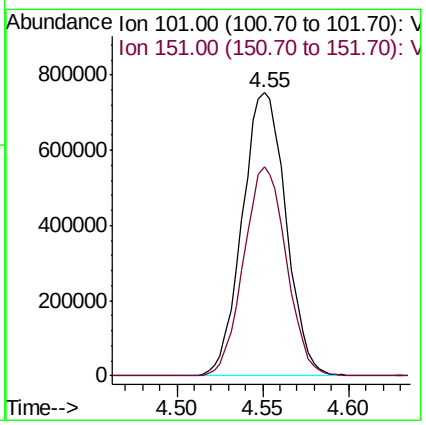


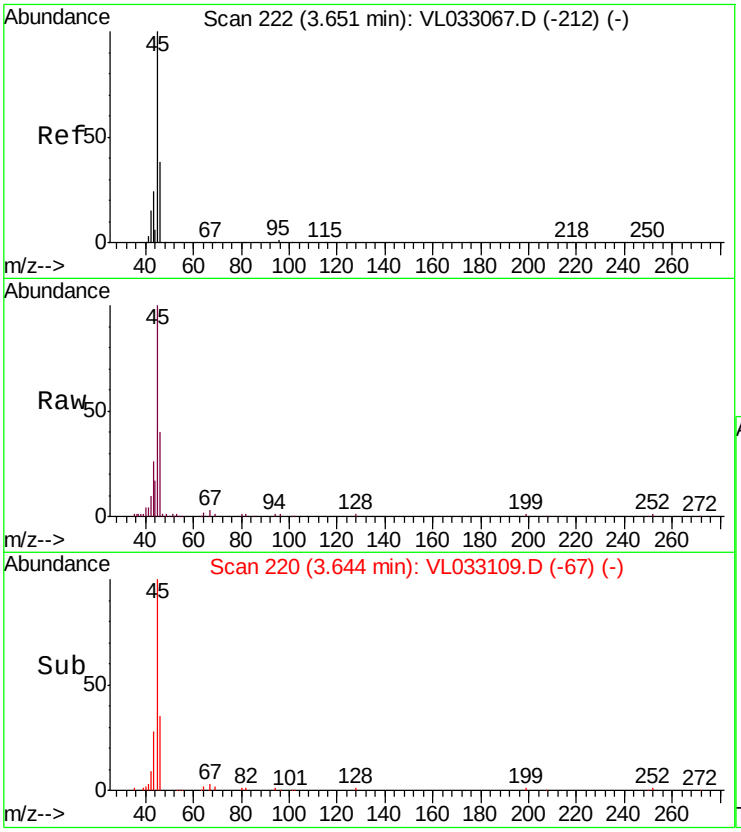


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.053 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:101 Resp: 1324611

Ion	Ratio	Lower	Upper
101	100		
151	72.4	58.3	87.5



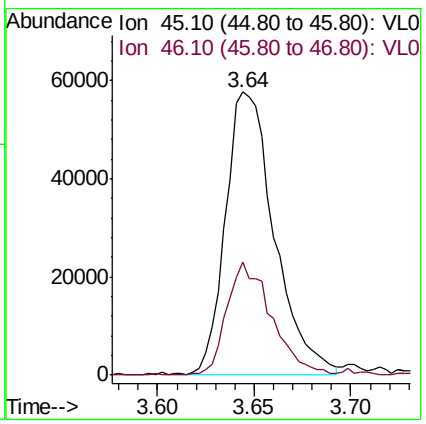


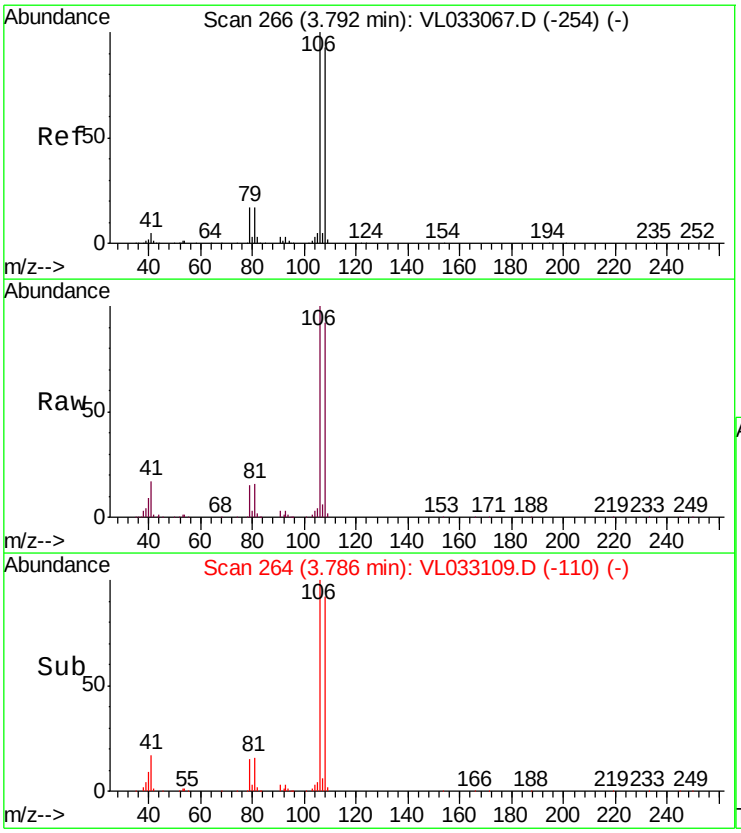
#13
Ethanol
Concen: 5.354 ppbv
RT: 3.64 min Scan# 220
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 45 Resp: 101600

Ion	Ratio	Lower	Upper
45	100		
46	37.3	13.8	55.2

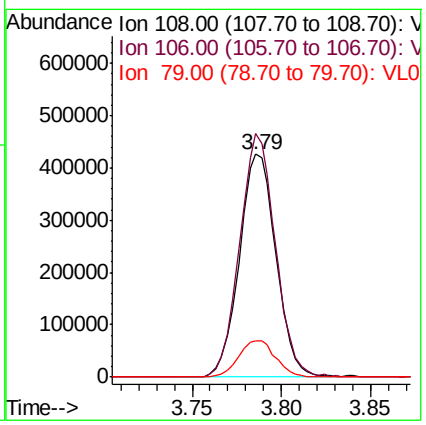


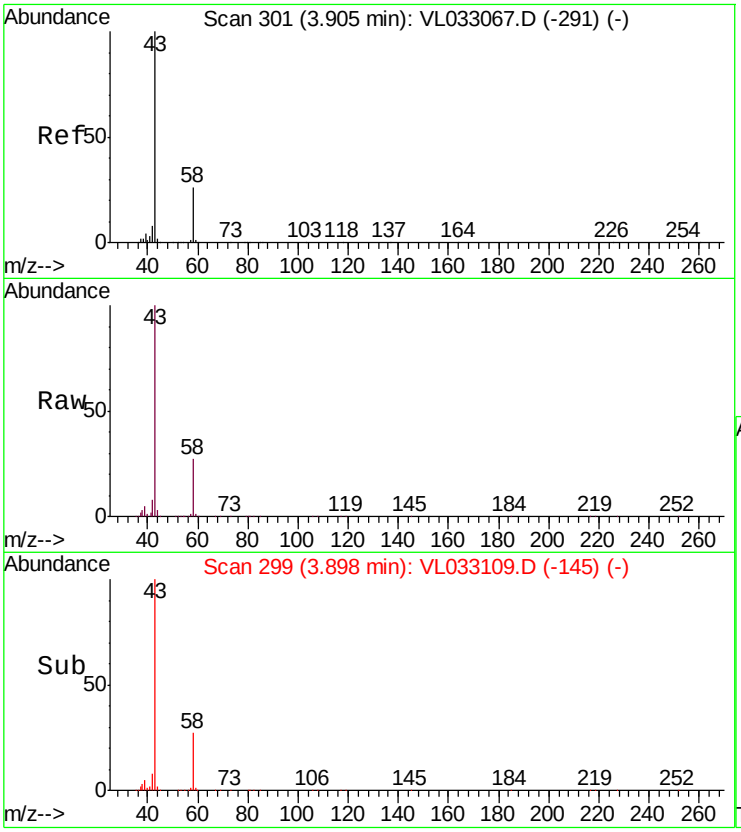


#14
Bromoethene
Concen: 9.473 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:108 Resp: 612209

Ion	Ratio	Lower	Upper
108	100		
106	107.0	86.4	129.6
79	17.0	14.3	21.5



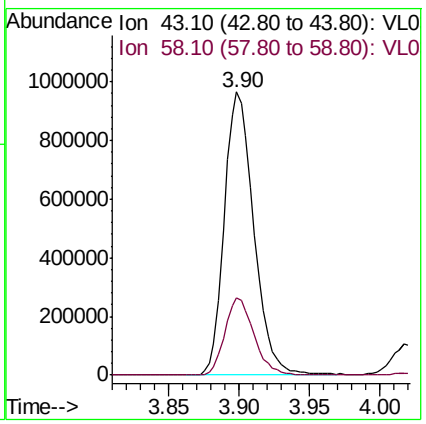


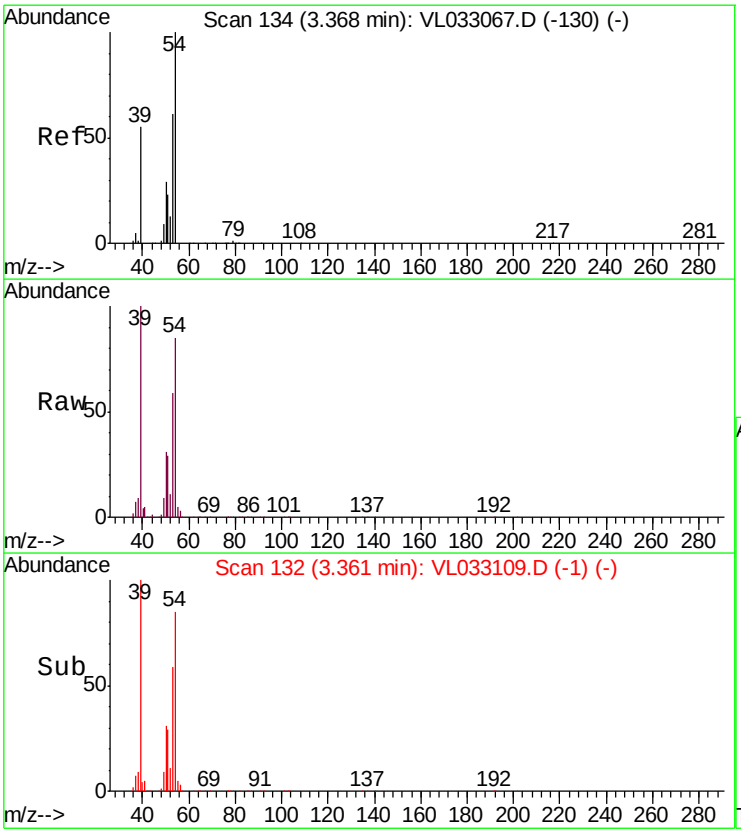
#15
Acetone
Concen: 9.078 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion: 43 Resp: 1413841

Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.1	31.7

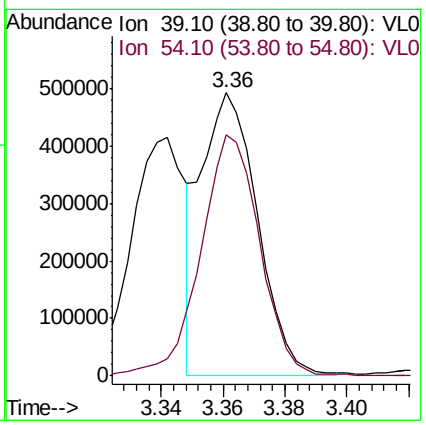


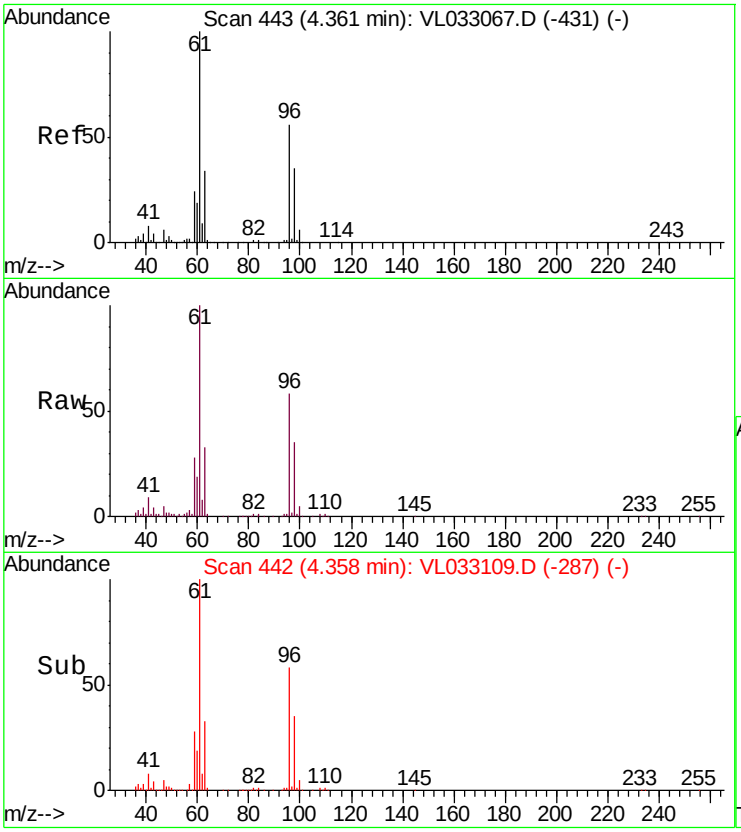


#16
1,3-Butadiene
Concen: 10.516 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 39 Resp: 617605

Ion	Ratio	Lower	Upper
39	100		
54	90.5	73.7	110.5



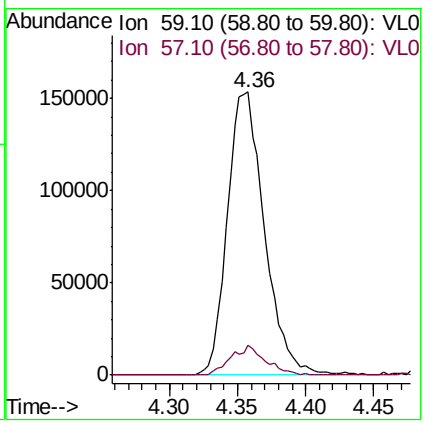


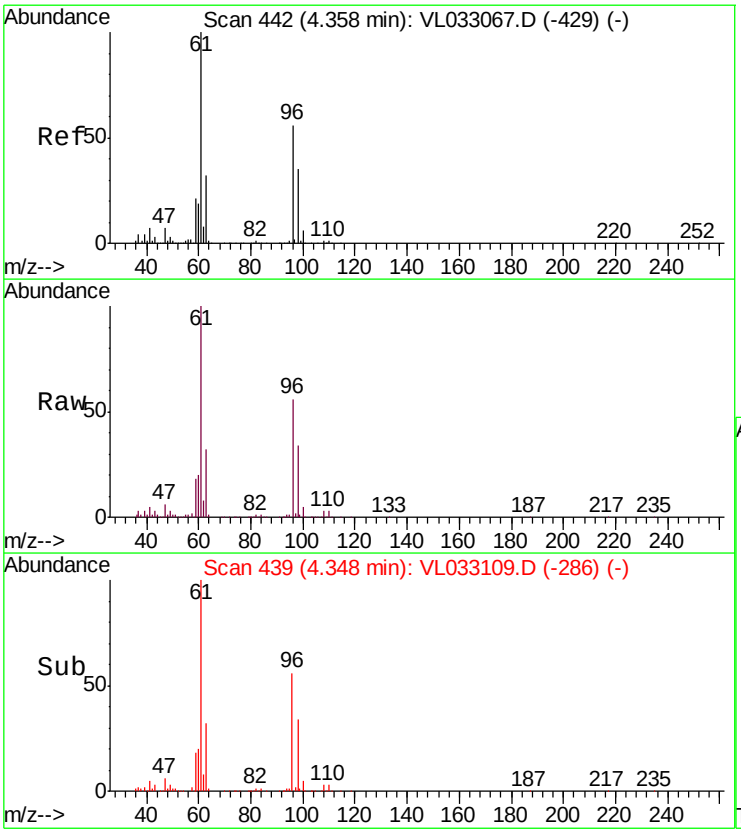
#17
tert-Butyl alcohol
Concen: 8.776 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion: 59 Resp: 289529

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.7	11.5

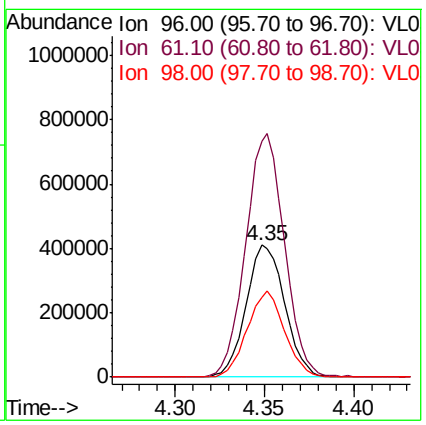


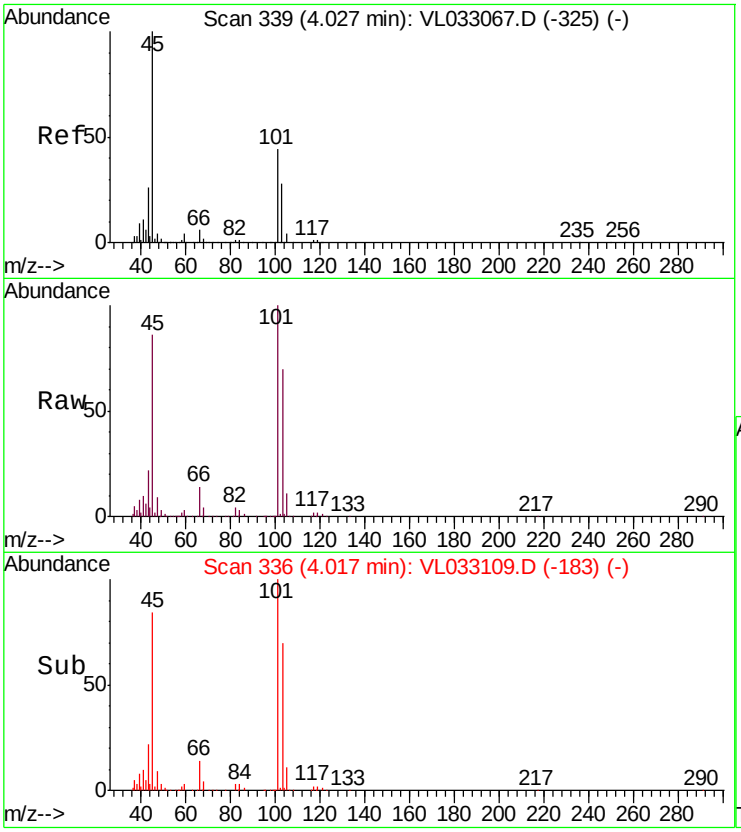


#18
1,1-Dichloroethene
Concen: 9.214 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 96 Resp: 620982

Ion	Ratio	Lower	Upper
96	100		
61	179.1	143.7	215.5
98	60.8	52.1	78.1



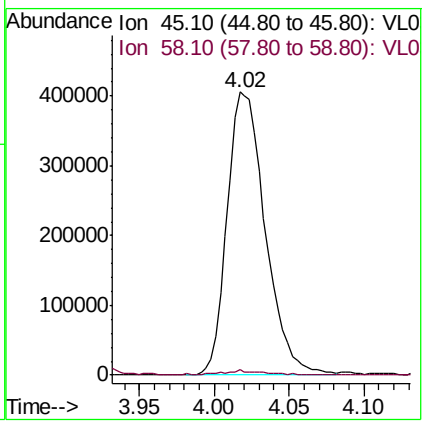


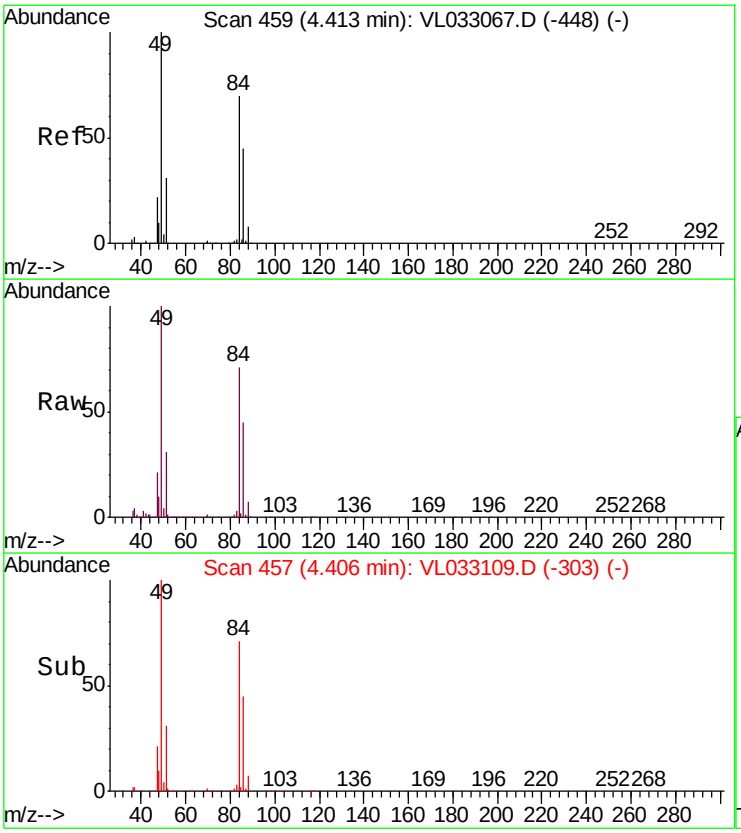
#19
Isopropyl Alcohol
Concen: 6.719 ppbv
RT: 4.02 min Scan# 336
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 45 Resp: 720445

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.4	2.2#

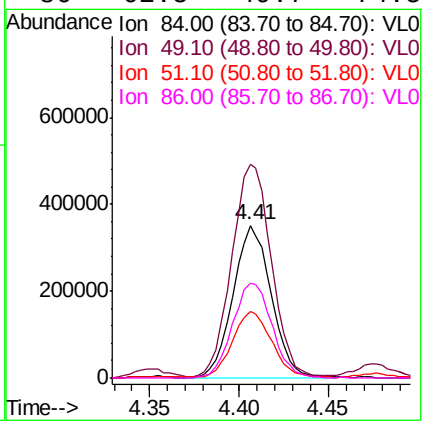


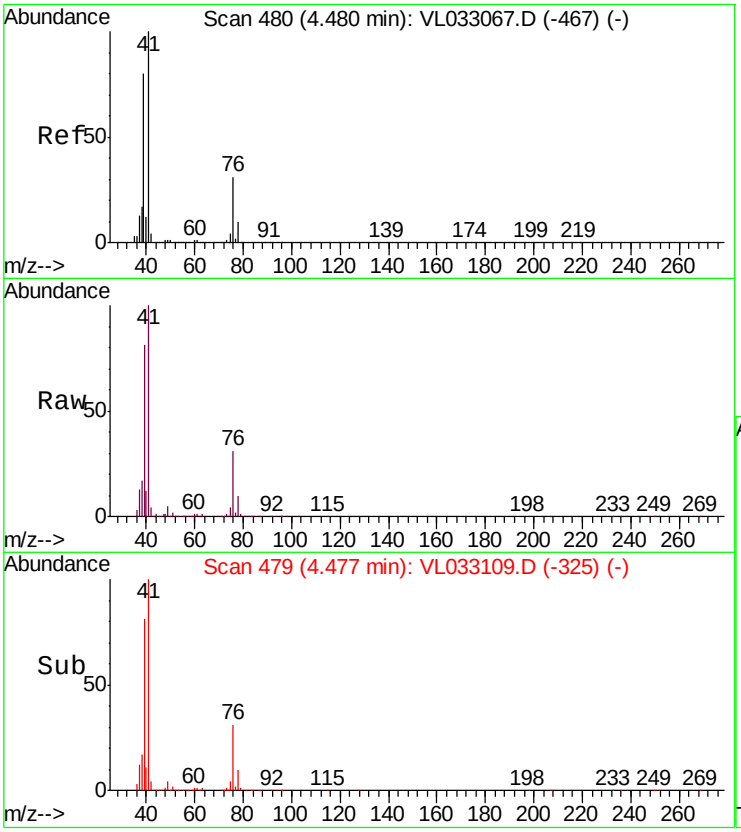


#20
Methylene Chloride
Concen: 8.031 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 84 Resp: 521464

Ion	Ratio	Lower	Upper
84	100		
49	139.5	115.8	173.6
51	43.1	35.7	53.5
86	62.5	49.7	74.5



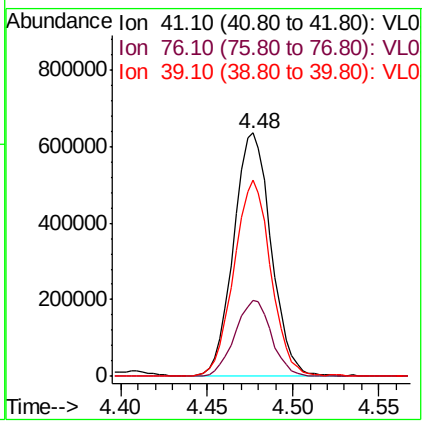


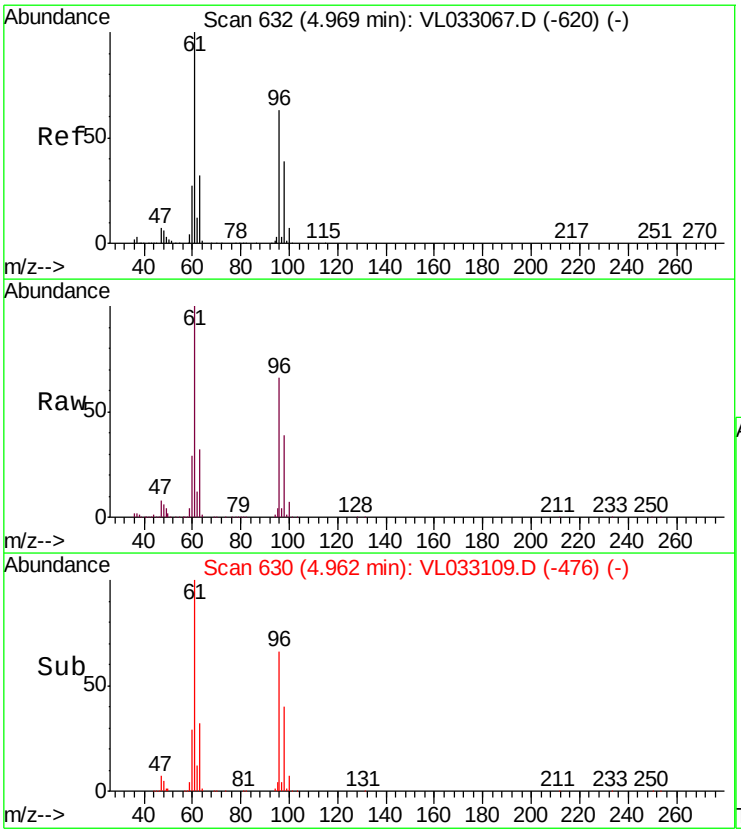
#21
Allyl Chloride
Concen: 9.936 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 41 Resp: 958955

Ion	Ratio	Lower	Upper
41	100		
76	30.7	24.6	36.8
39	79.2	62.8	94.2

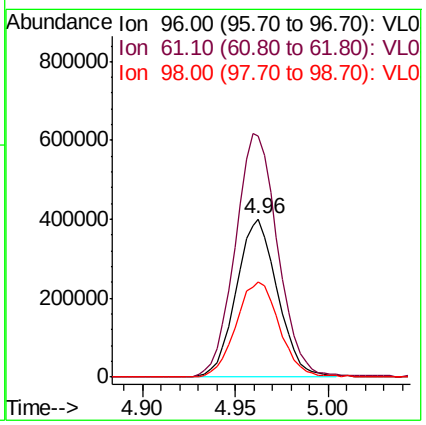


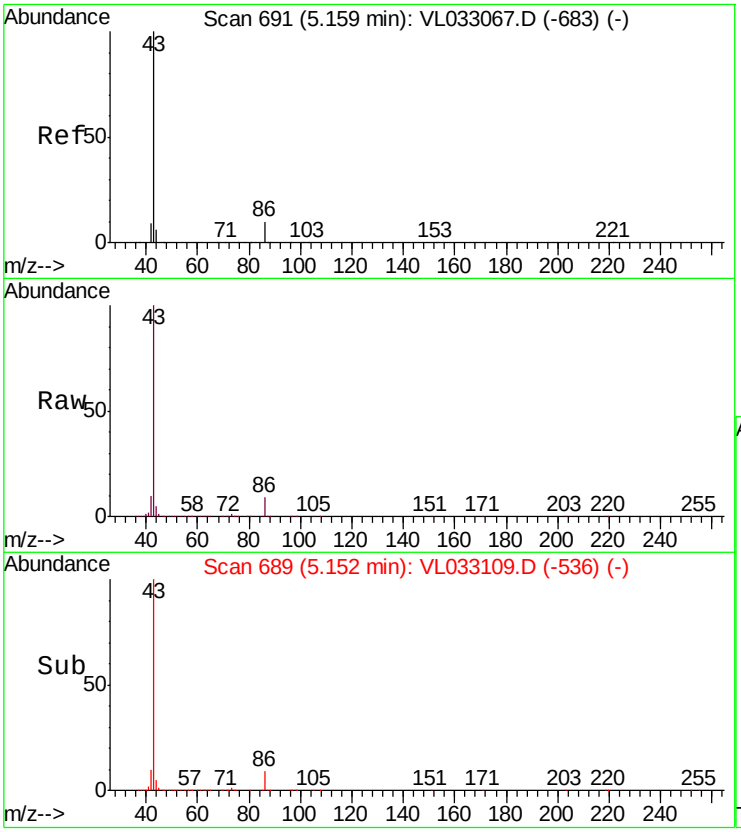


#22
trans-1,2-Dichloroethene
Concen: 9.262 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 96 Resp: 618780

Ion	Ratio	Lower	Upper
96	100		
61	152.4	125.2	187.8
98	59.9	50.9	76.3



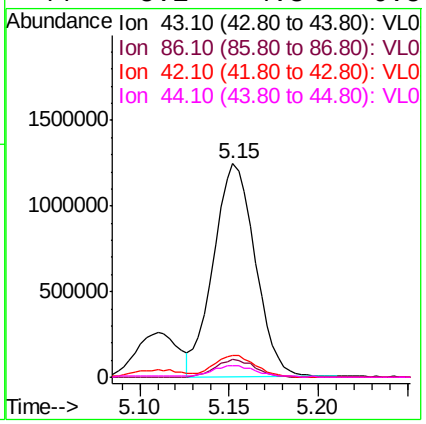


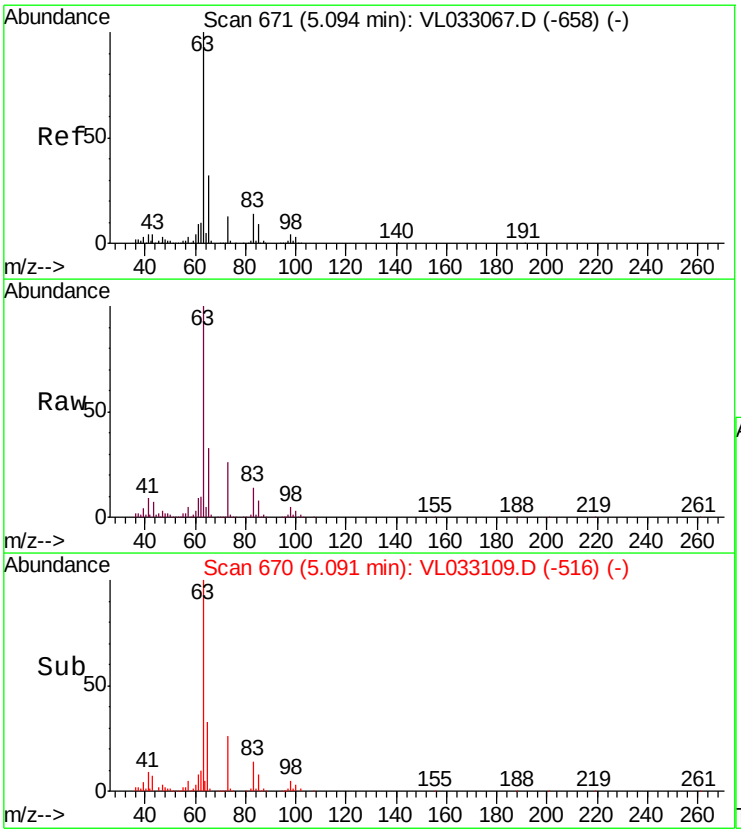
#23
Vinyl Acetate
Concen: 10.196 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 43 Resp: 2020127

Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.2	9.4
42	10.3	8.1	12.1
44	5.1	4.3	6.5

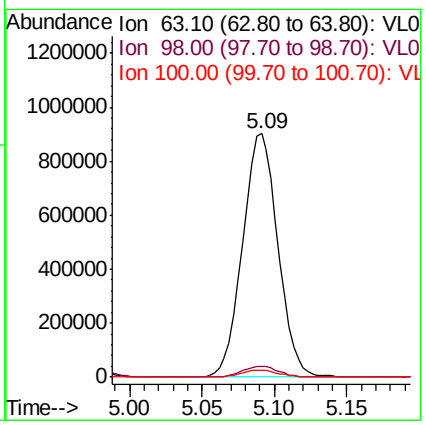


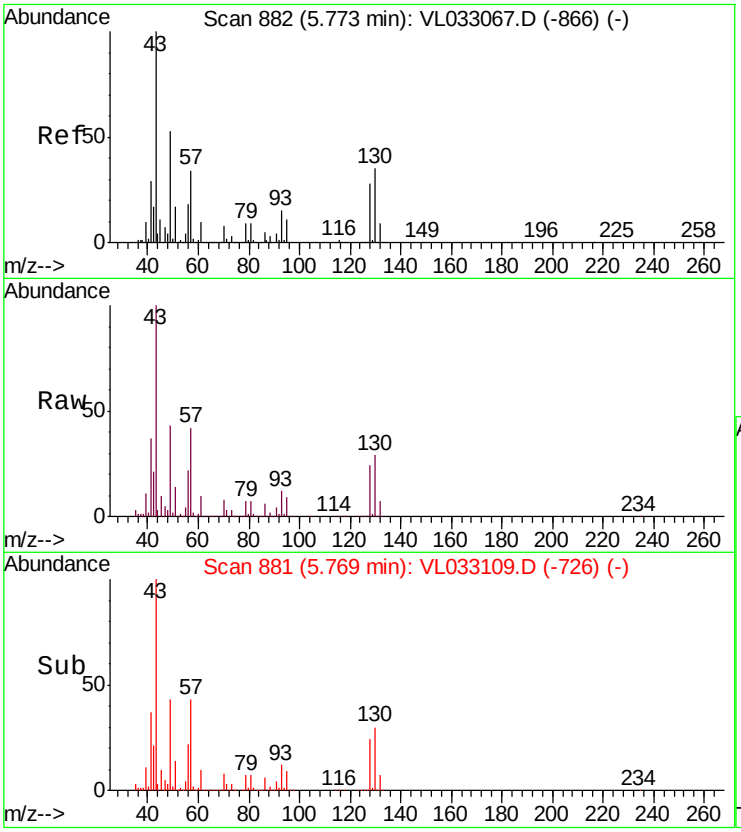


#24
1,1-Dichloroethane
Concen: 9.069 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 63 Resp: 1525736

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.2
100	2.9	1.4	4.0



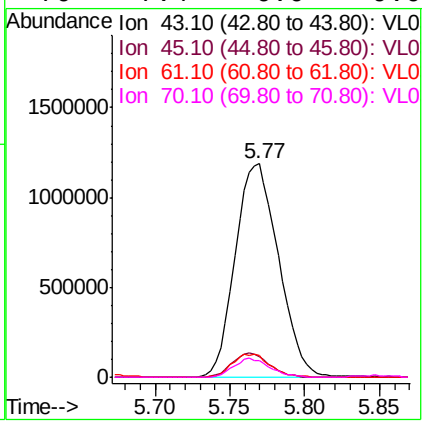


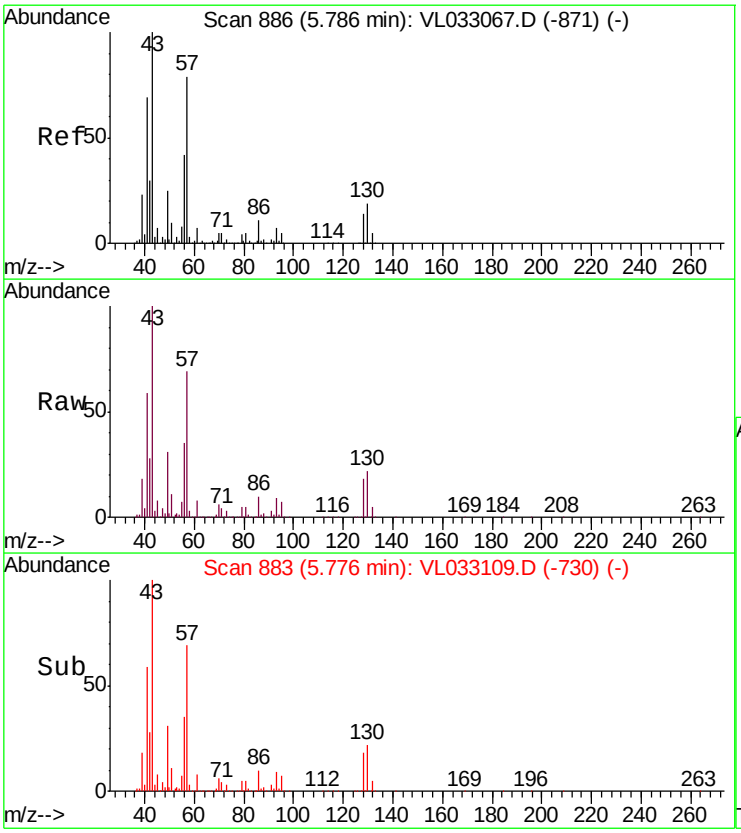
#25
Ethyl Acetate
Concen: 9.072 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 43 Resp: 2388197

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.7	7.8	11.8
70	7.4	6.0	9.0

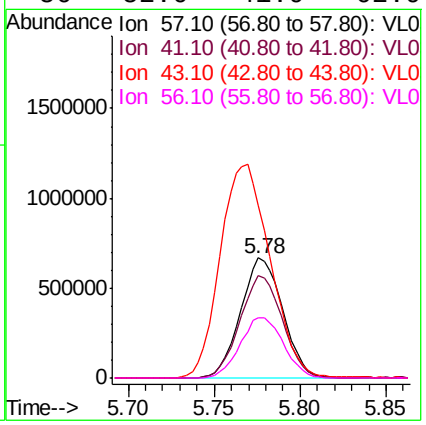


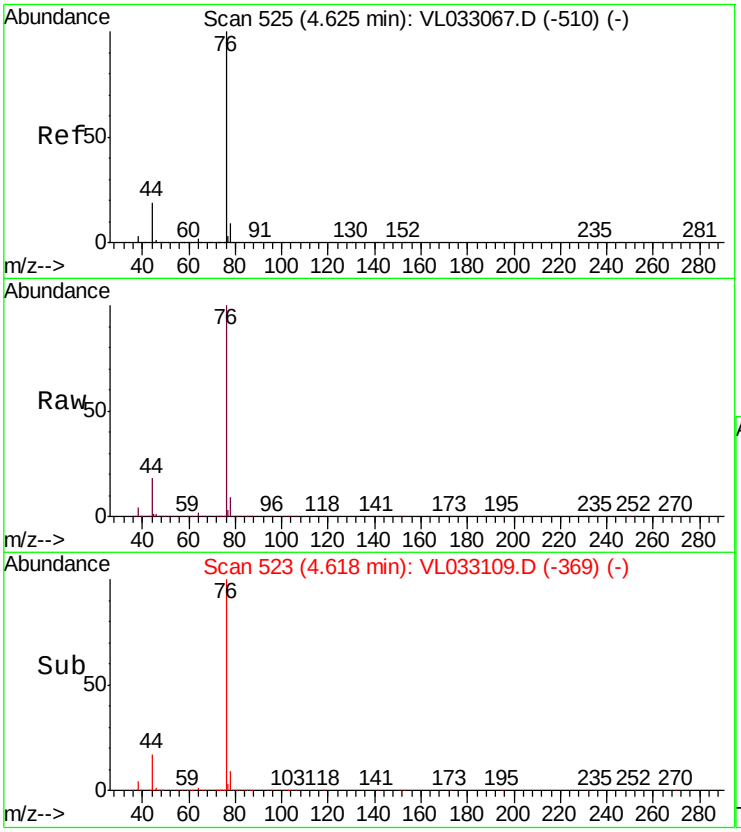


#26
Hexane
Concen: 9.148 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 57 Resp: 1133950

Ion	Ratio	Lower	Upper
57	100		
41	86.5	70.8	106.2
43	212.0	171.8	257.6
56	52.0	41.9	62.9



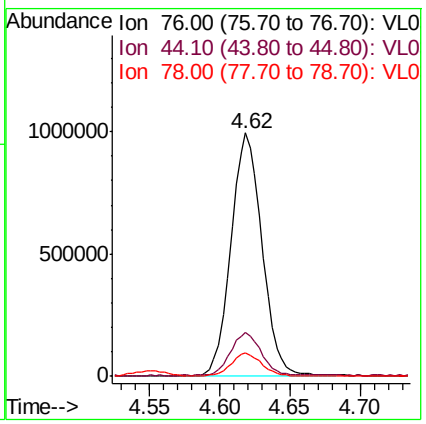


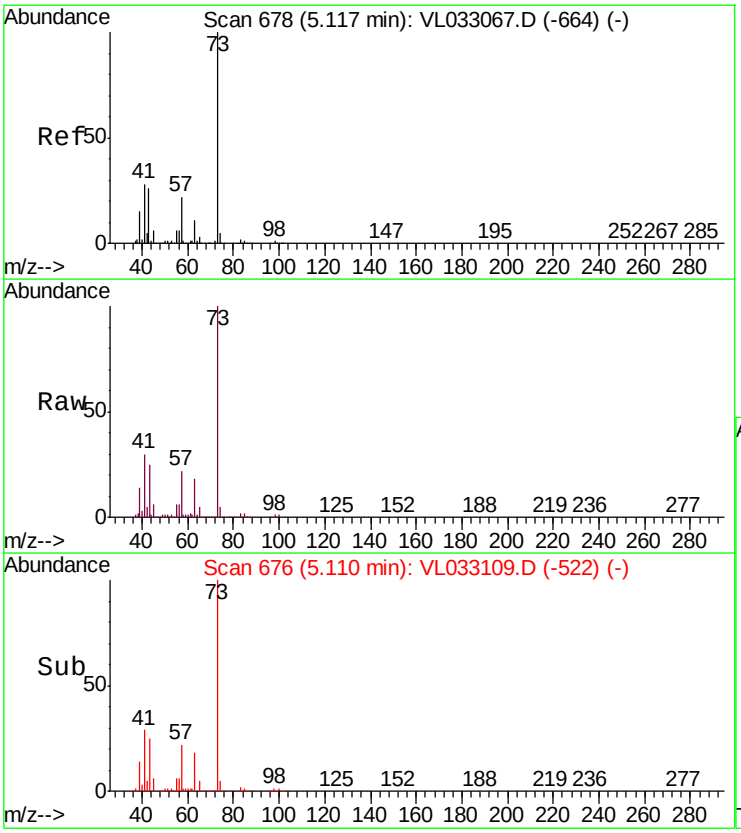
#27
Carbon Disulfide
Concen: 10.077 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 76 Resp: 1540535

Ion	Ratio	Lower	Upper
76	100		
44	17.8	13.9	20.9
78	9.2	7.3	10.9

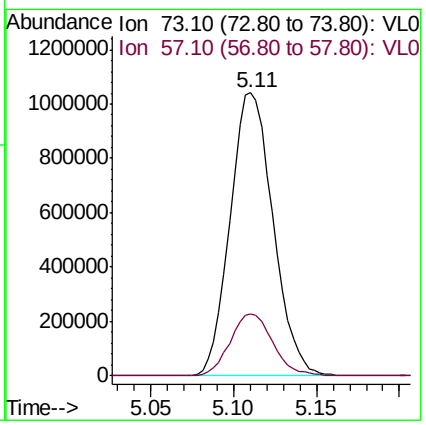


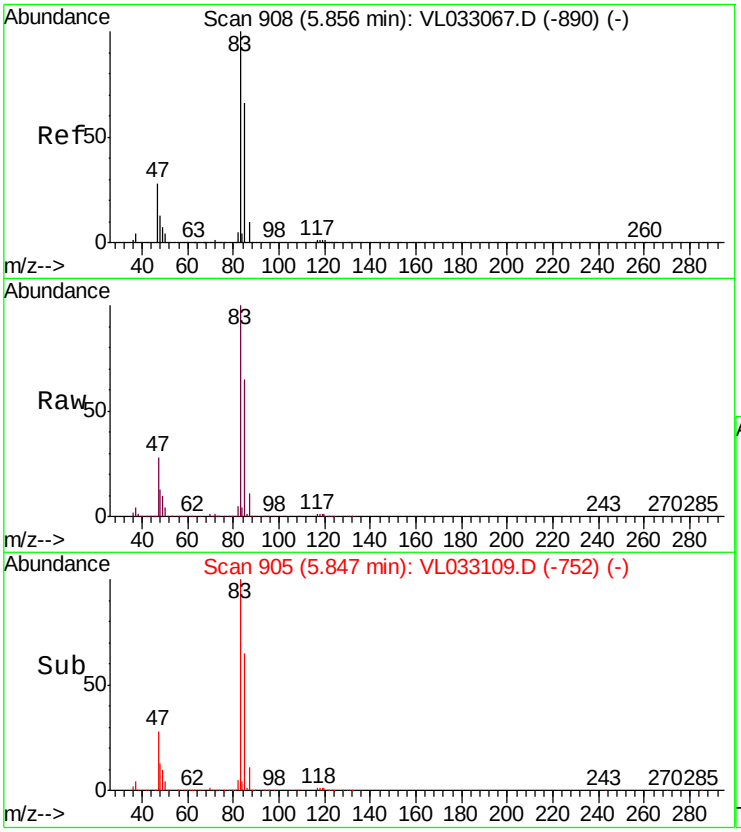


#28
Methyl tert-Butyl Ether
Concen: 9.671 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 73 Resp: 1871327

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.5	26.3



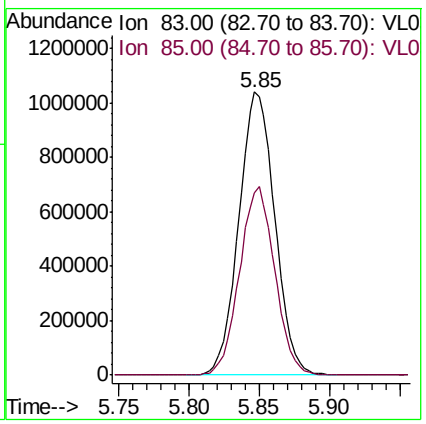


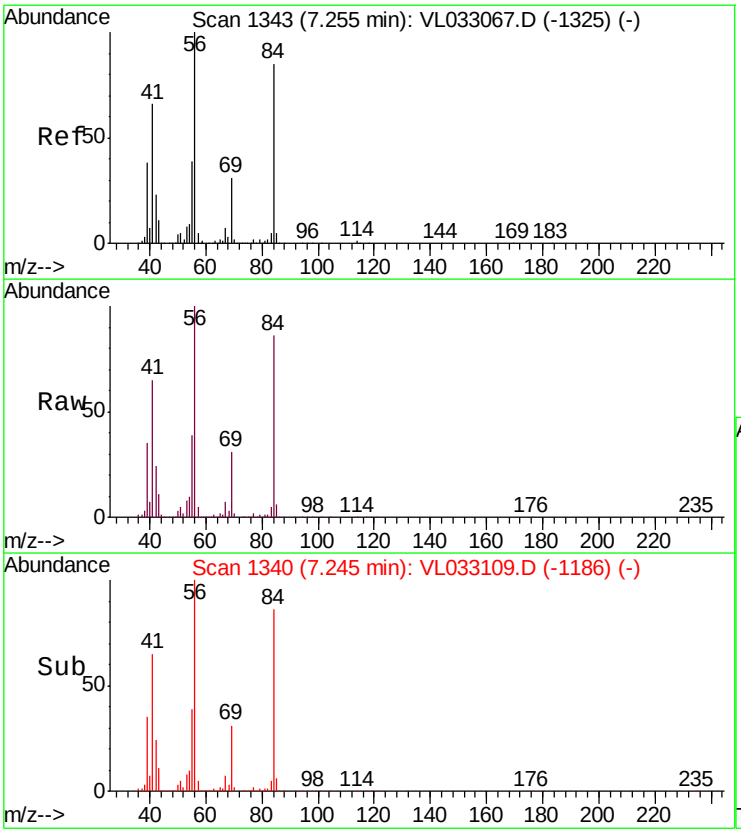
#29
Chloroform
Concen: 8.806 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion: 83 Resp: 1860203

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7

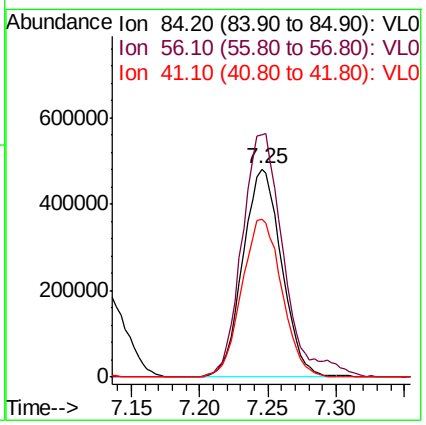


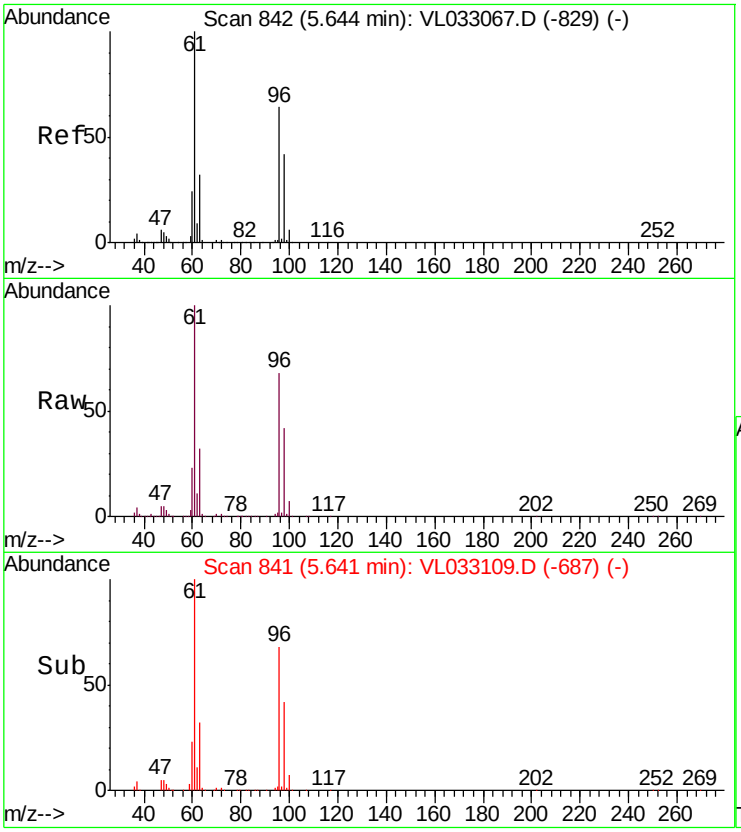


#30
Cyclohexane
Concen: 10.274 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 84 Resp: 949600

Ion	Ratio	Lower	Upper
84	100		
56	125.9	101.8	152.6
41	78.6	63.2	94.8



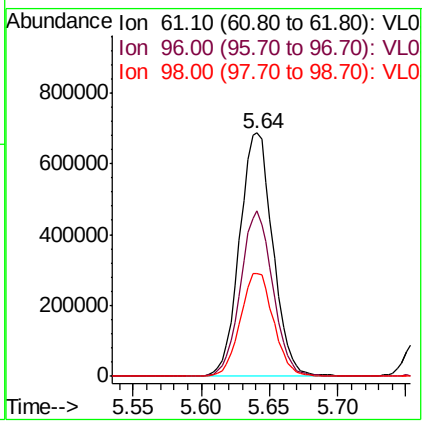


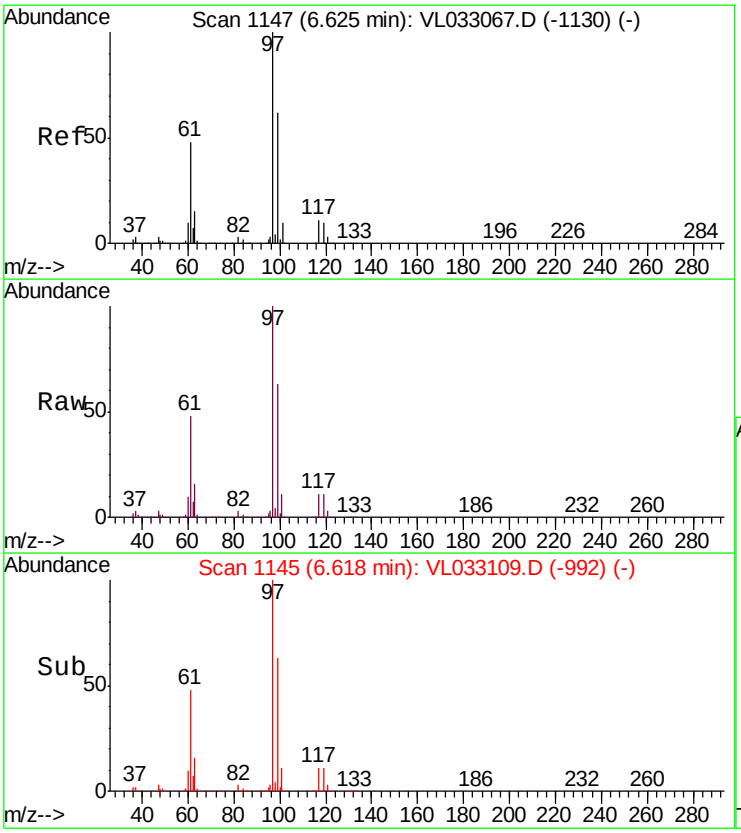
#31
cis-1,2-Dichloroethene
Concen: 10.100 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion: 61 Resp: 1162608

Ion	Ratio	Lower	Upper
61	100		
96	67.9	52.8	79.2
98	42.1	33.8	50.6

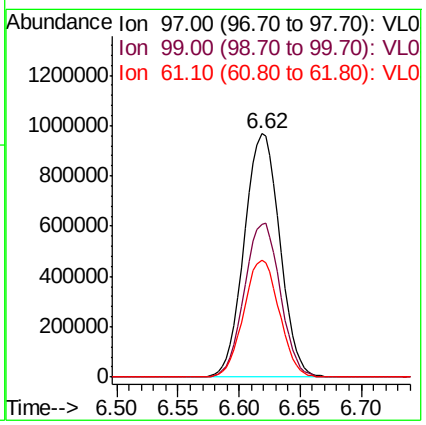


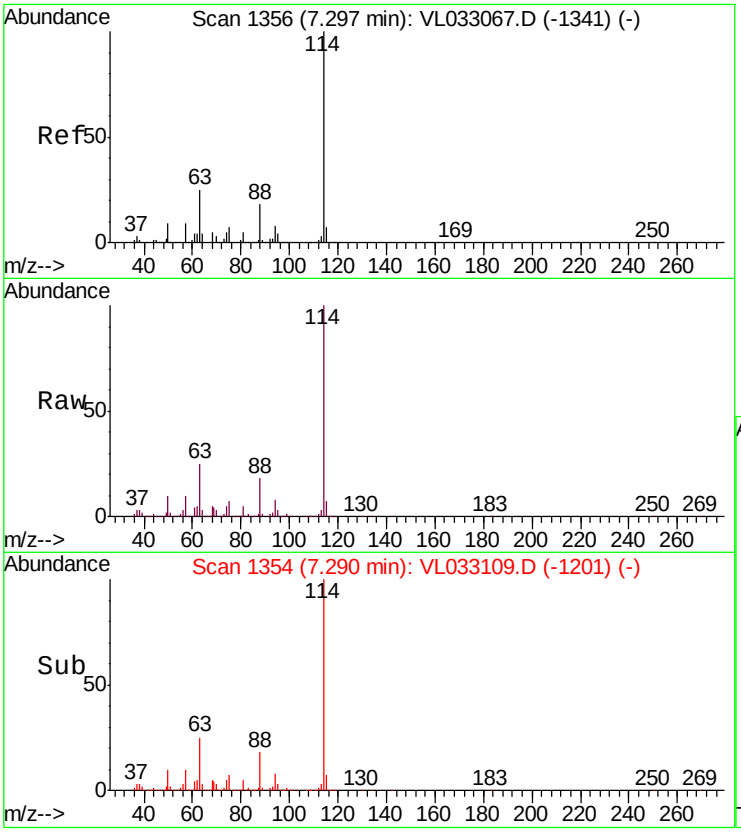


#32
1,1,1-Trichloroethane
Concen: 9.091 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 97 Resp: 1949056

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.1	76.7
61	48.0	38.3	57.5



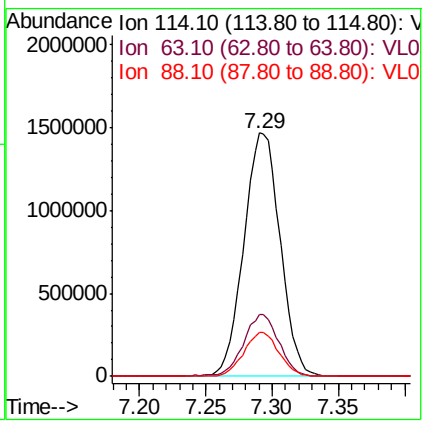


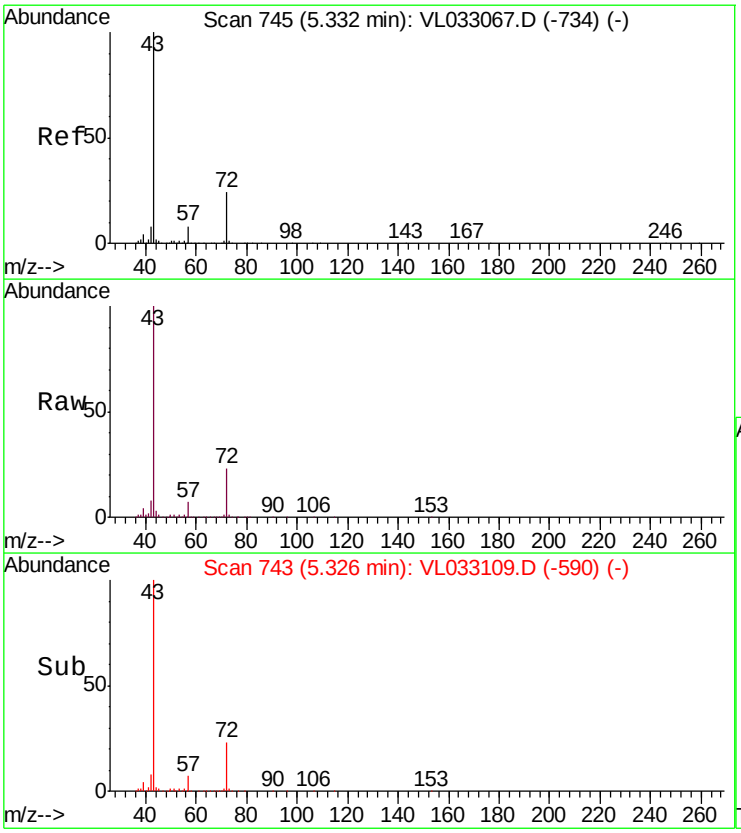
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion:114 Resp: 2797781

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.1	30.1
88	17.6	14.0	21.0

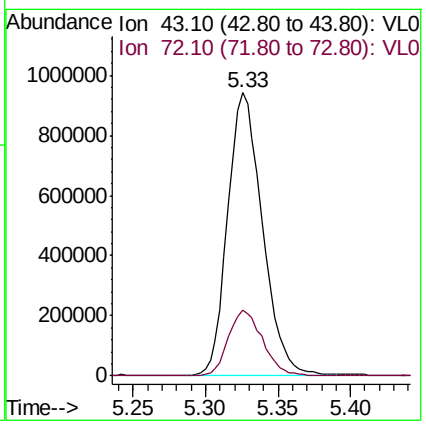


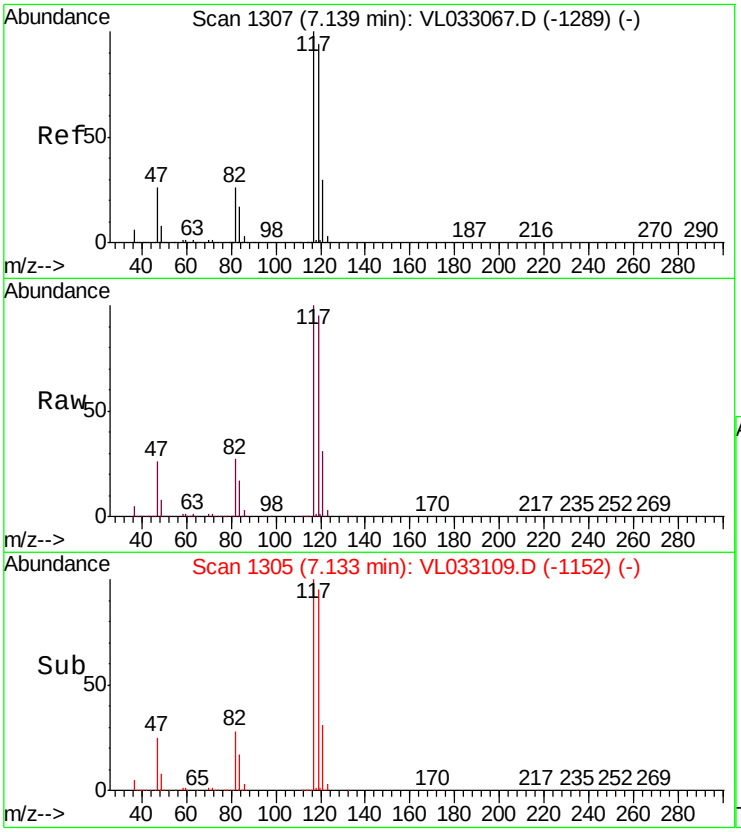


#34
2-Butanone
Concen: 9.617 ppbv
RT: 5.33 min Scan# 743
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 43 Resp: 1563262

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.9	28.3



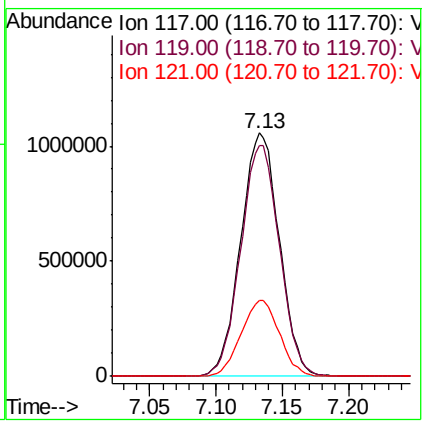


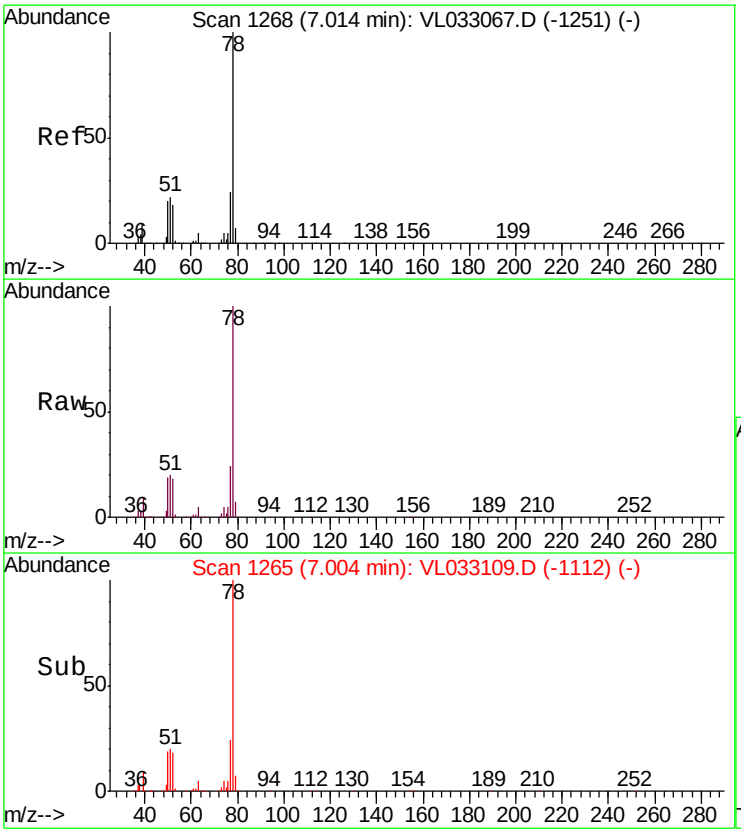
#35
Carbon Tetrachloride
Concen: 8.919 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion:117 Resp: 2143408

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.5	114.7
121	31.3	25.2	37.8

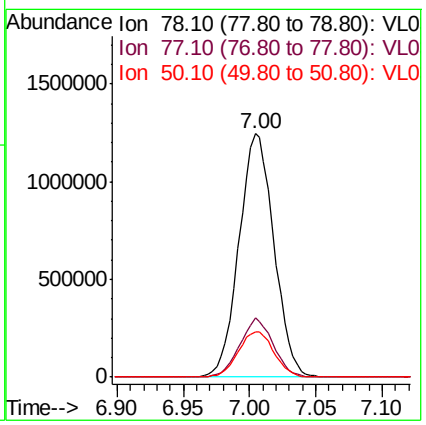


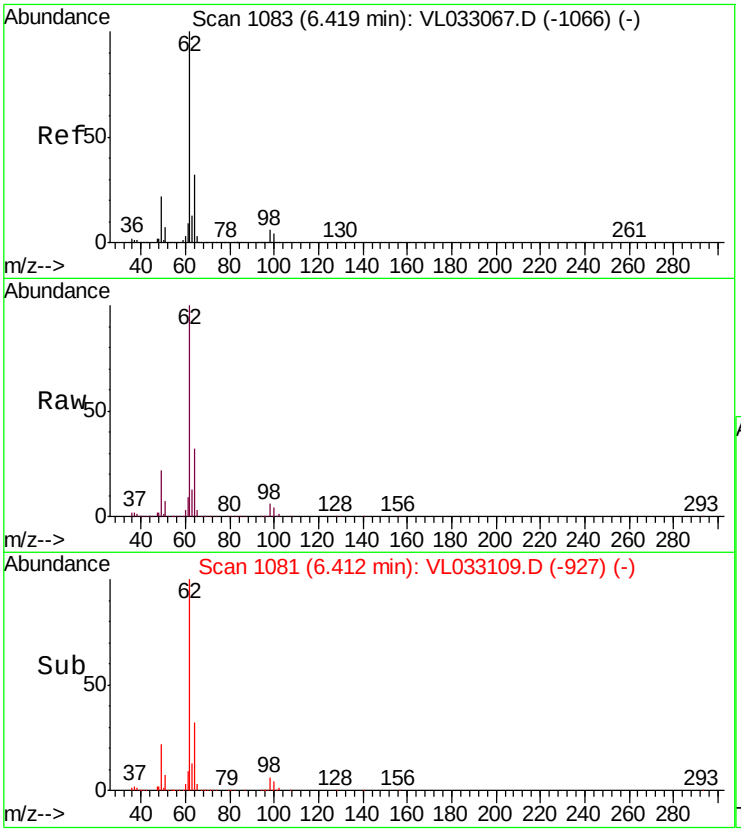


#36
Benzene
Concen: 9.973 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 78 Resp: 2285649

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.5	27.7
50	18.5	15.7	23.5



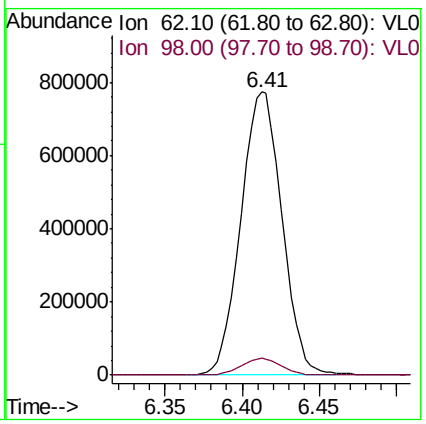


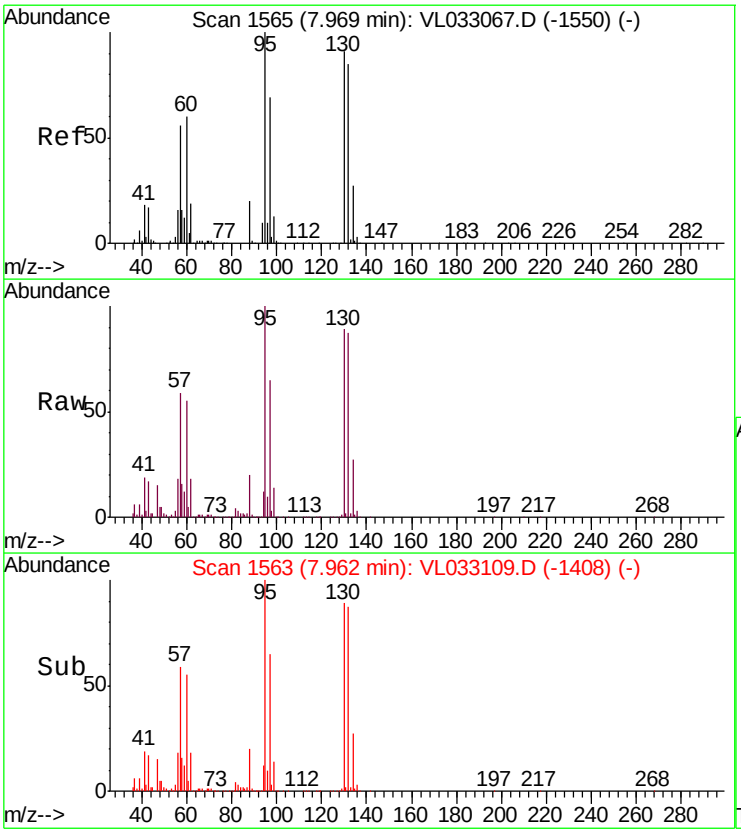
#37
1,2-Dichloroethane
Concen: 8.939 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 62 Resp: 1430273

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.6	7.0

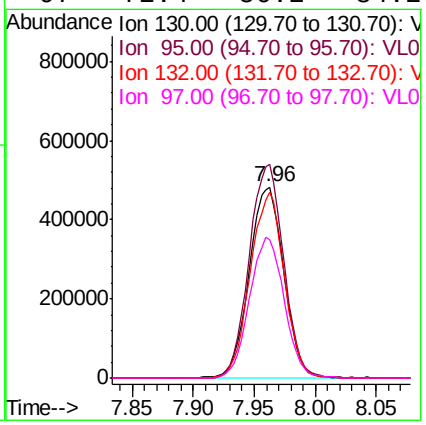


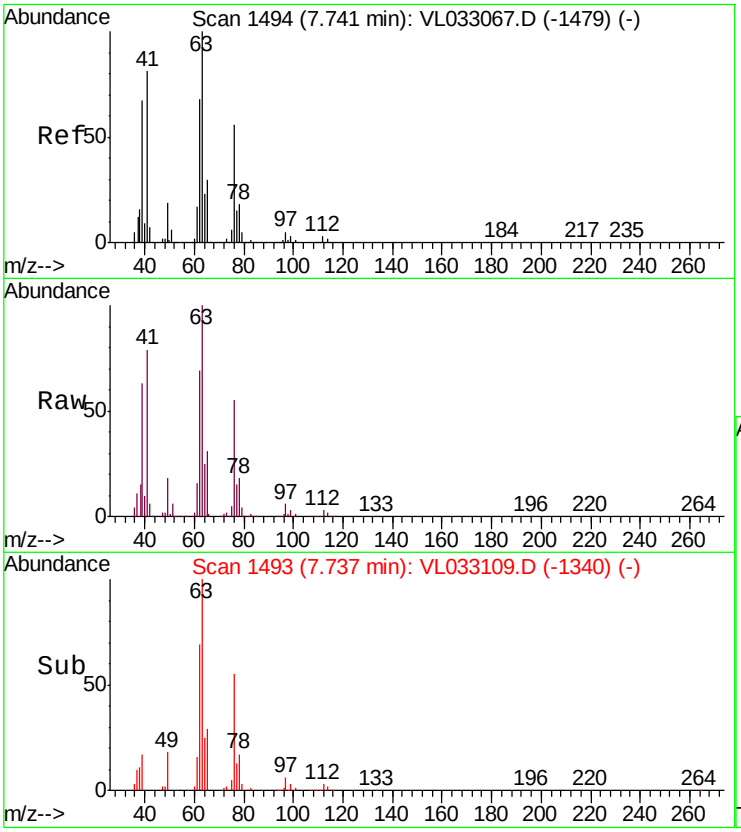


#38
Trichloroethene
Concen: 9.995 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:130 Resp: 942337

Ion	Ratio	Lower	Upper
130	100		
95	111.8	88.6	132.8
132	97.4	74.2	111.2
97	72.4	56.2	84.2



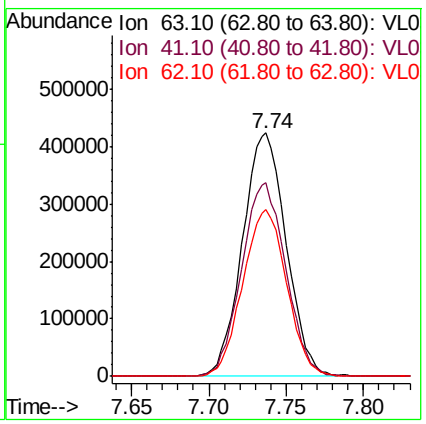


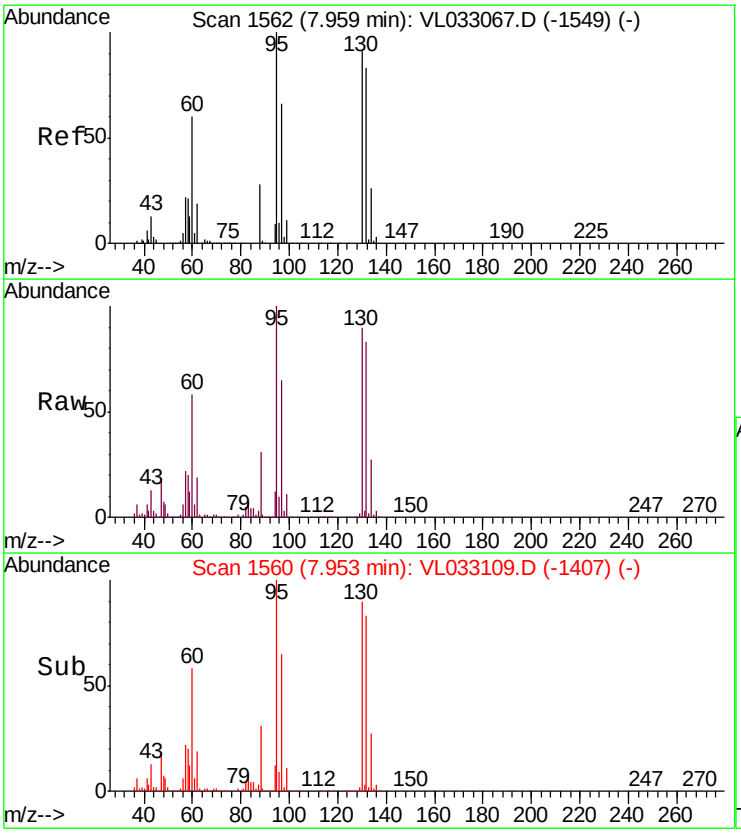
#39
1,2-Dichloropropane
Concen: 9.651 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 63 Resp: 830868

Ion	Ratio	Lower	Upper
63	100		
41	79.5	61.9	92.9
62	68.6	55.8	83.6

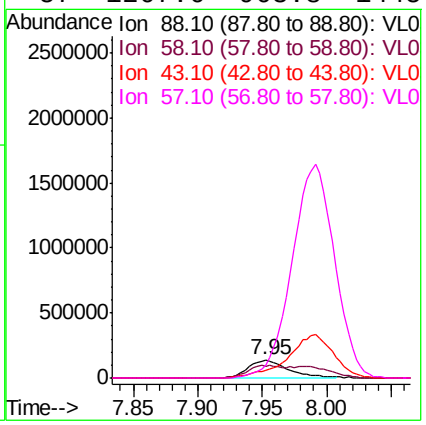


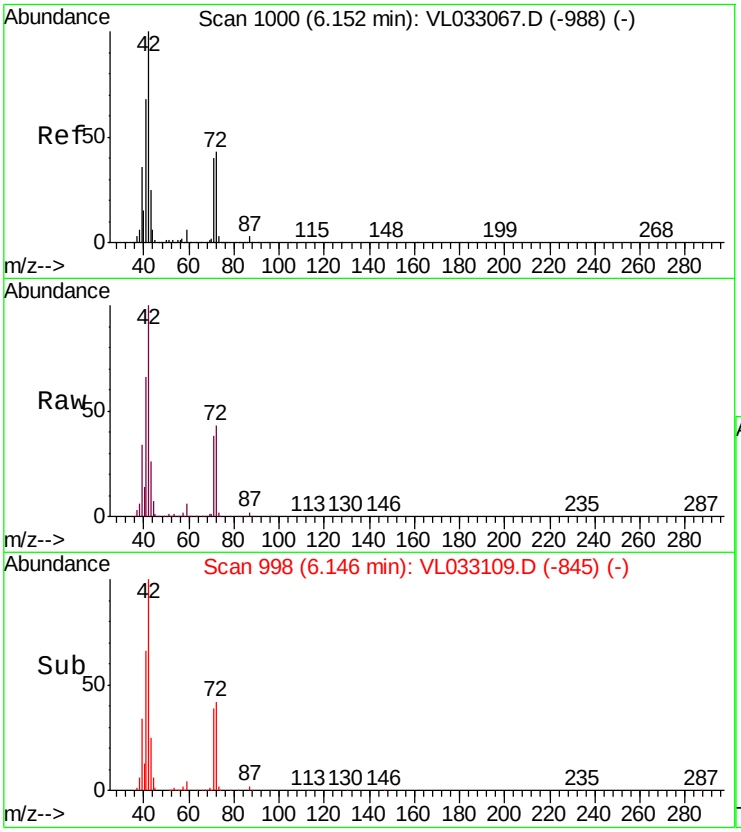


#40
1,4-Dioxane
Concen: 9.118 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 88 Resp: 297998

Ion	Ratio	Lower	Upper
88	100		
58	126.7	101.9	152.9
43	275.6	212.6	319.0
57	1267.6	963.8	1445.6



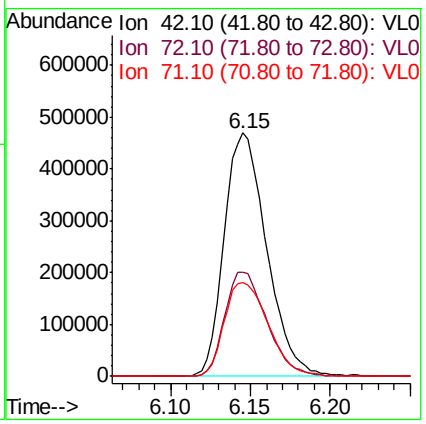


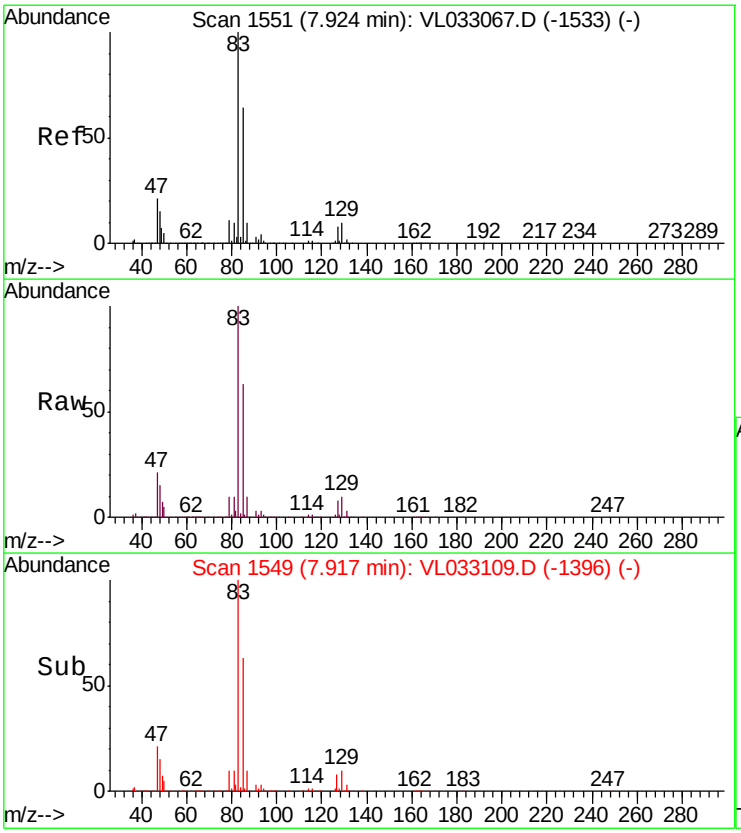
#41
Tetrahydrofuran
Concen: 10.260 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion: 42 Resp: 848875

Ion	Ratio	Lower	Upper
42	100		
72	42.7	32.9	49.3
71	40.2	31.8	47.6

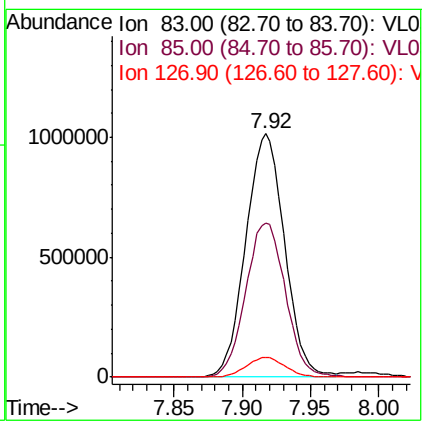


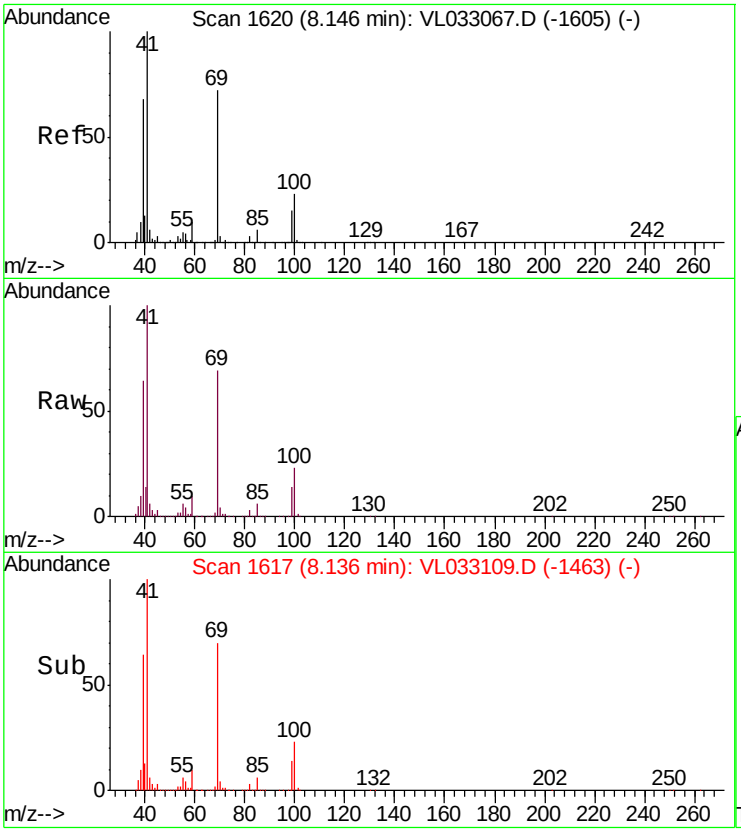


#42
Bromodichloromethane
Concen: 9.125 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 83 Resp: 2005802

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.4
127	8.1	6.5	9.7



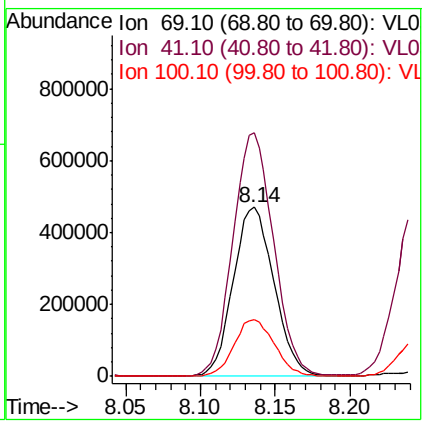


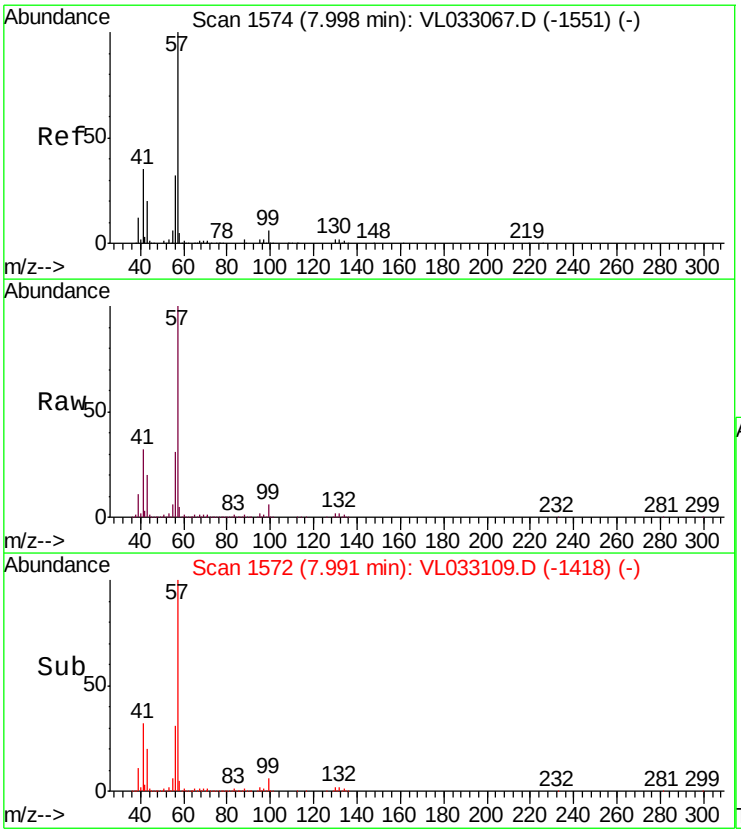
#43
Methyl Methacrylate
Concen: 10.408 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 69 Resp: 895060

Ion	Ratio	Lower	Upper
69	100		
41	143.7	114.0	171.0
100	33.2	26.3	39.5

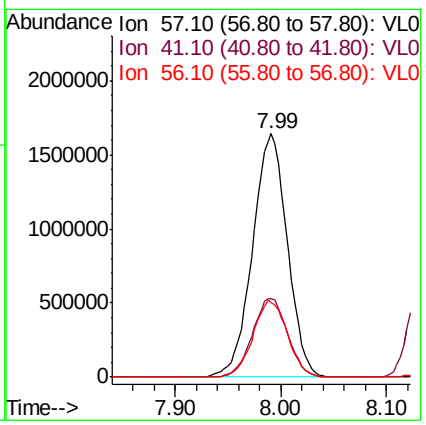


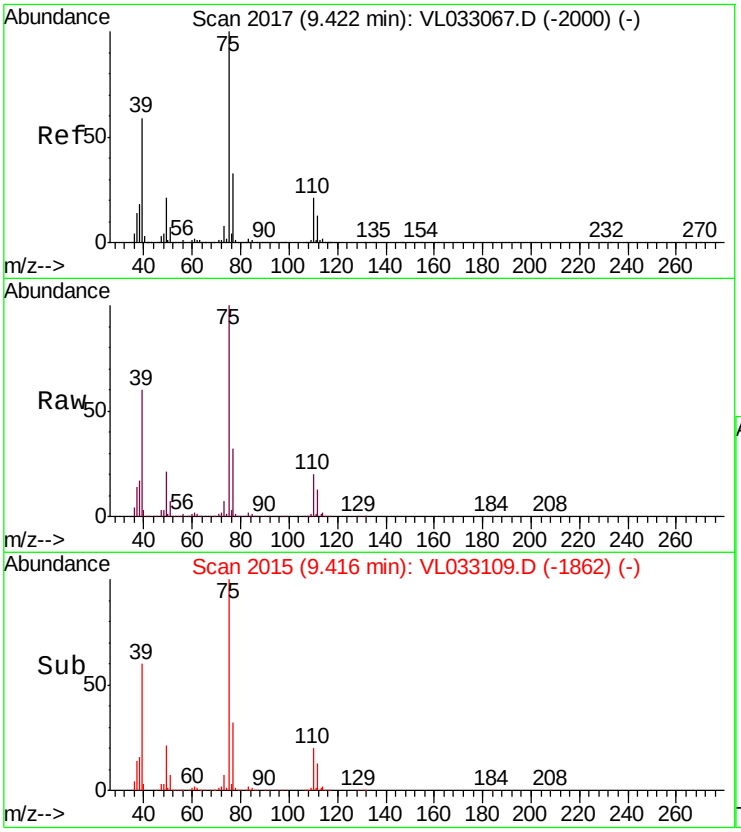


#44
2,2,4-Trimethylpentane
Concen: 9.726 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 57 Resp: 3774773

Ion	Ratio	Lower	Upper
57	100		
41	32.8	26.2	39.2
56	30.9	24.9	37.3



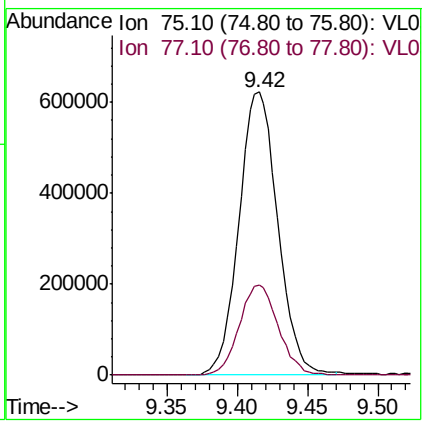


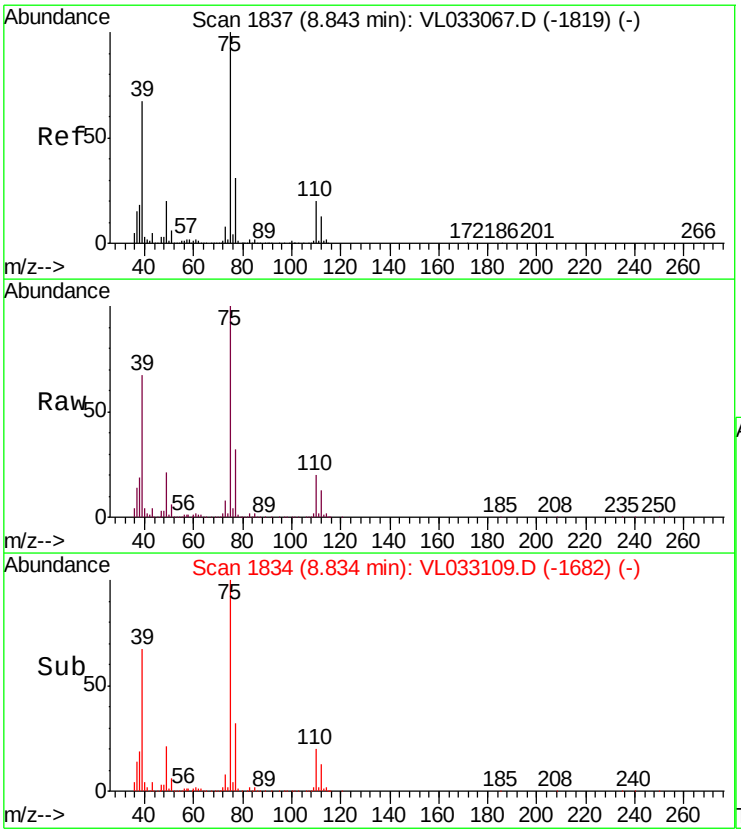
#45
t-1,3-Dichloropropene
Concen: 11.234 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion: 75 Resp: 1202526

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.8	37.2

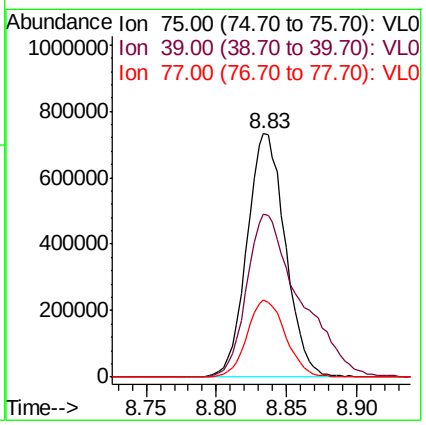


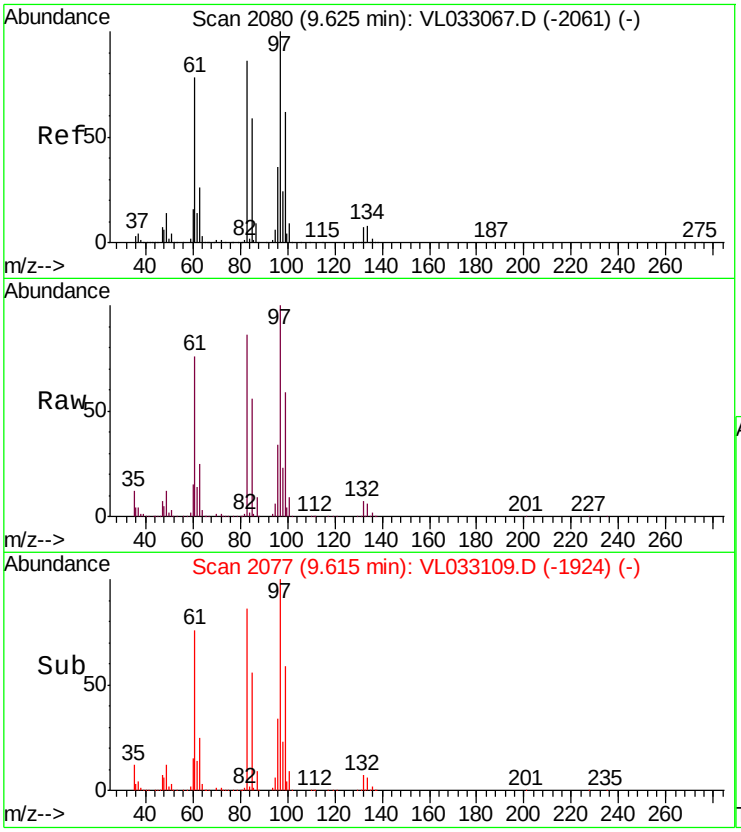


#46
cis-1,3-Dichloropropene
Concen: 11.381 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 75 Resp: 1390522

Ion	Ratio	Lower	Upper
75	100		
39	66.7	51.3	76.9
77	31.9	25.5	38.3



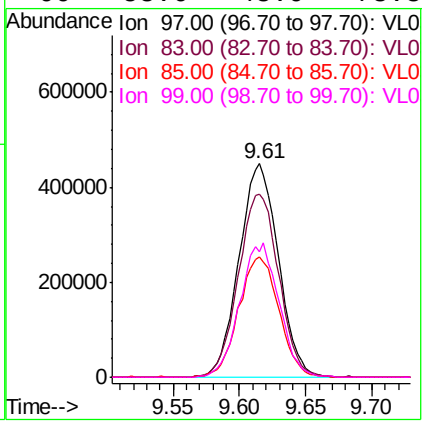


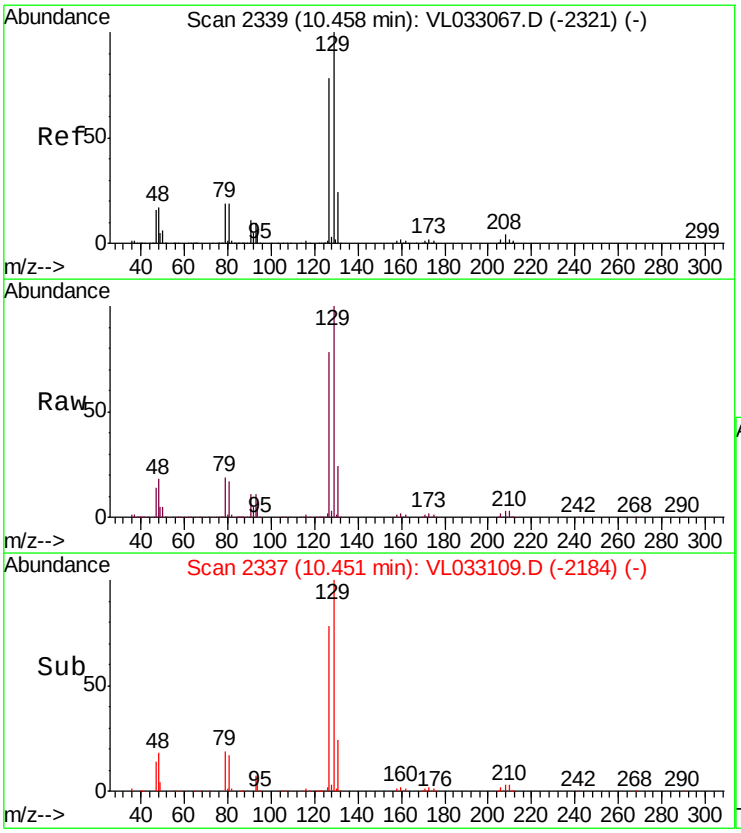
#47
1,1,2-Trichloroethane
Concen: 9.227 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion: 97 Resp: 928087

Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.4	104.2
85	56.2	44.2	66.2
99	58.6	48.9	73.3

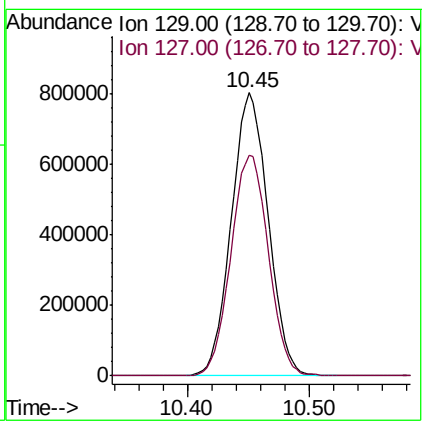


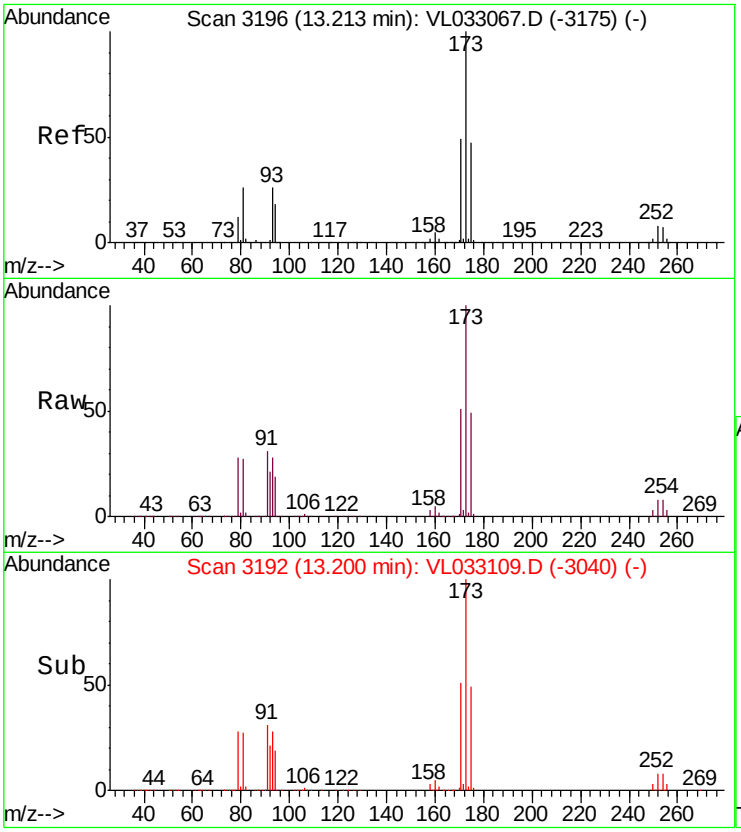


#48
Dibromochloromethane
Concen: 9.438 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:129 Resp: 1677276

Ion	Ratio	Lower	Upper
129	100		
127	79.5	39.1	117.3



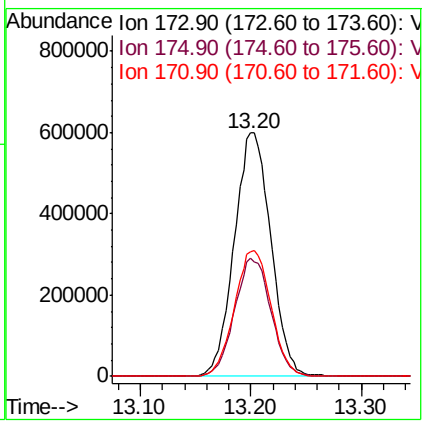


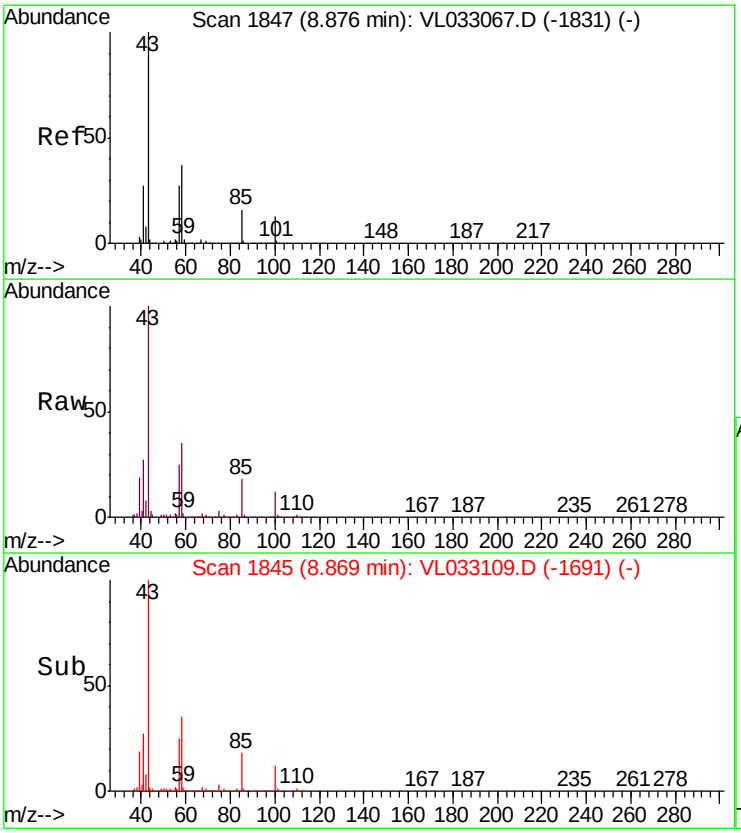
#49
Bromoform
Concen: 8.875 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion:173 Resp: 1378038

Ion	Ratio	Lower	Upper
173	100		
175	48.2	39.4	59.2
171	52.0	42.1	63.1

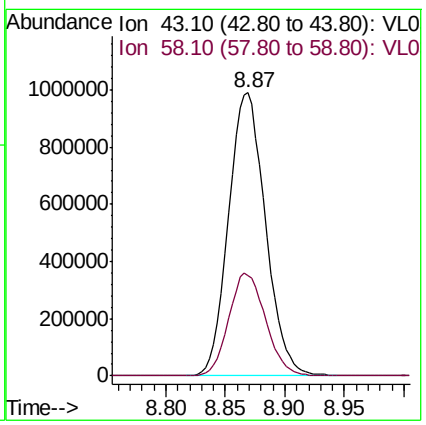


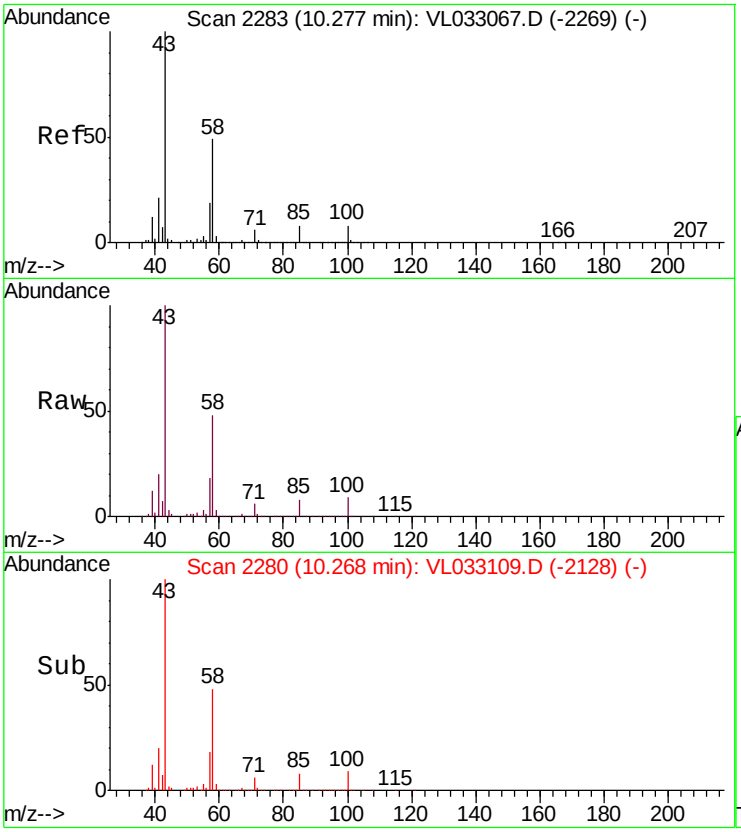


#50
4-Methyl-2-Pentanone
Concen: 10.351 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 43 Resp: 2132017

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3



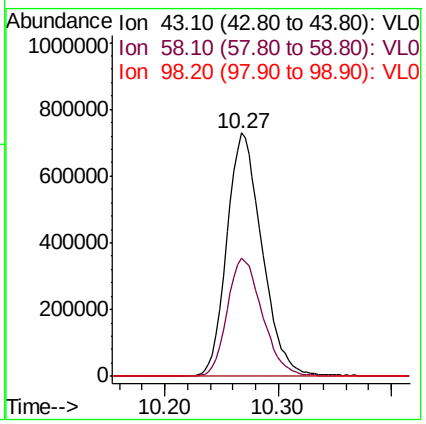


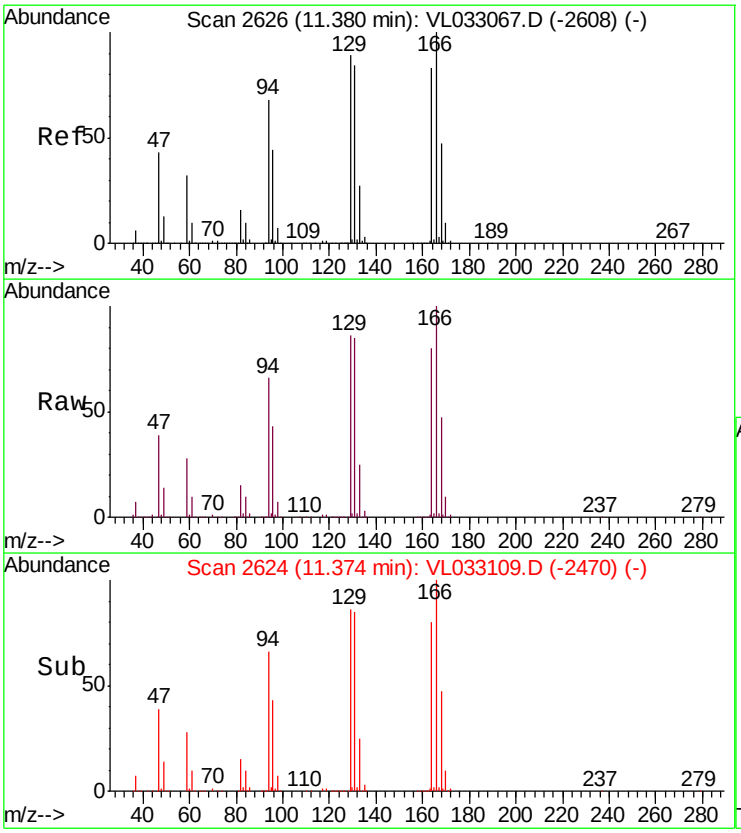
#51
2-Hexanone
Concen: 10.564 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 43 Resp: 1574482

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.0	58.6
98	0.4	0.4	0.6

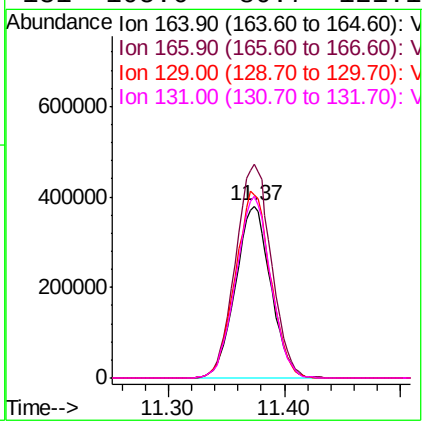


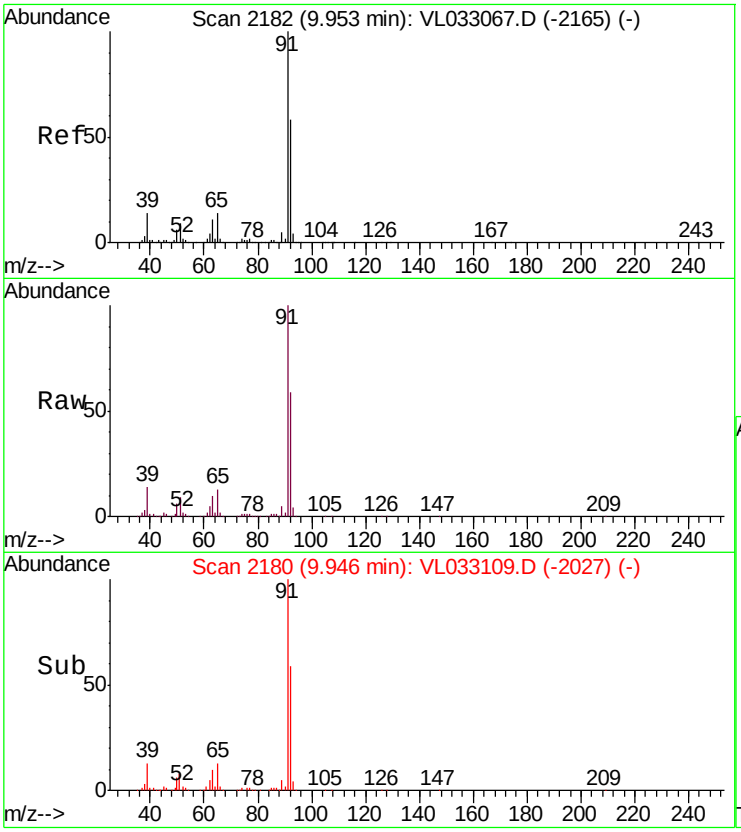


#52
Tetrachloroethene
Concen: 9.830 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:164 Resp: 796334

Ion	Ratio	Lower	Upper
164	100		
166	124.2	100.8	151.2
129	106.5	84.6	126.8
131	105.6	80.7	121.1



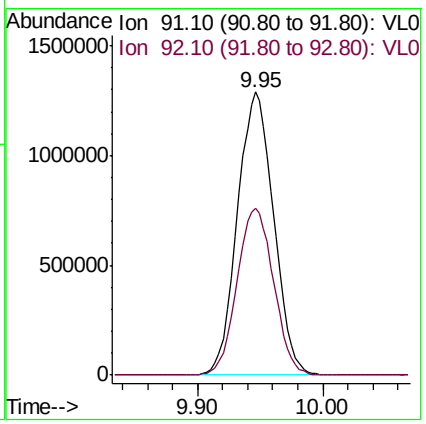


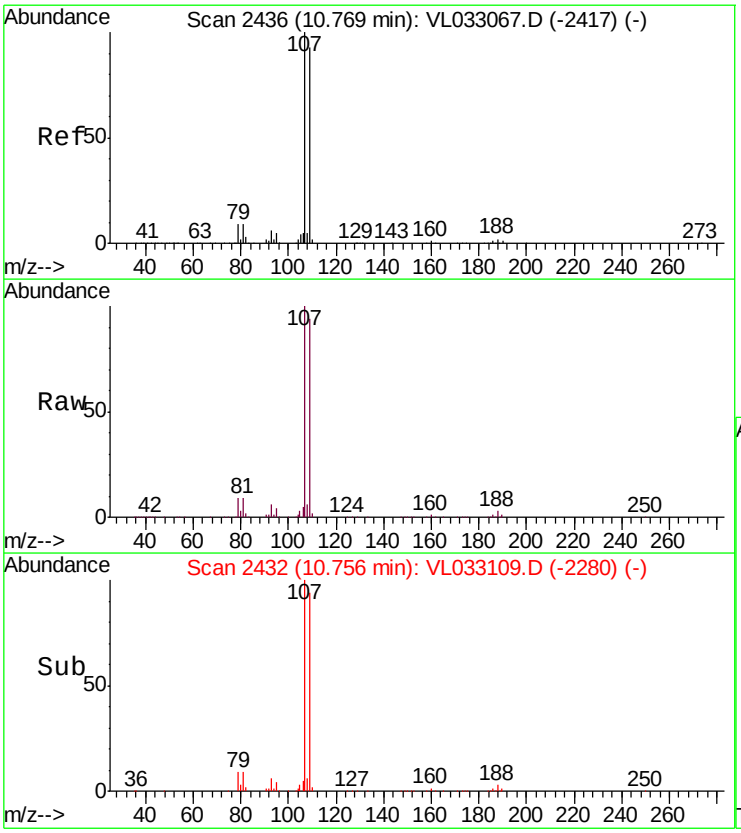
#53
Toluene
Concen: 10.533 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion: 91 Resp: 2586872

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.7	71.5

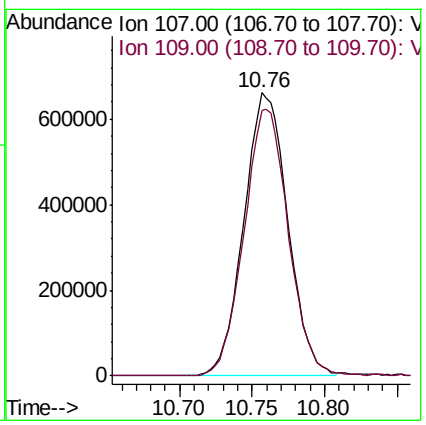


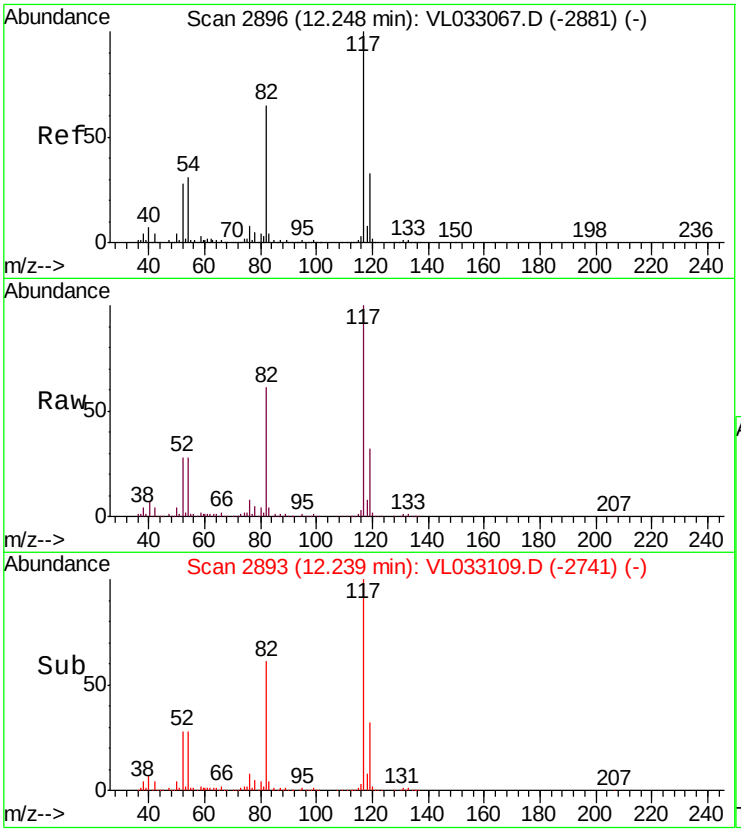


#54
1,2-Dibromoethane
Concen: 9.641 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:107 Resp: 1397213

Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.9	112.3



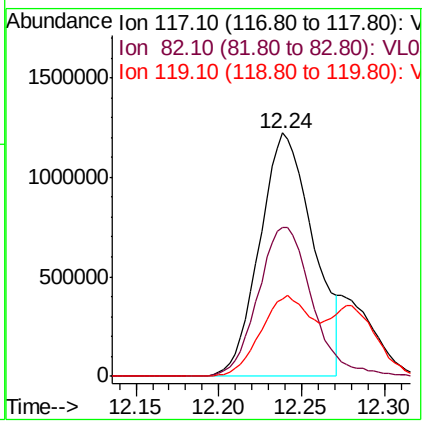


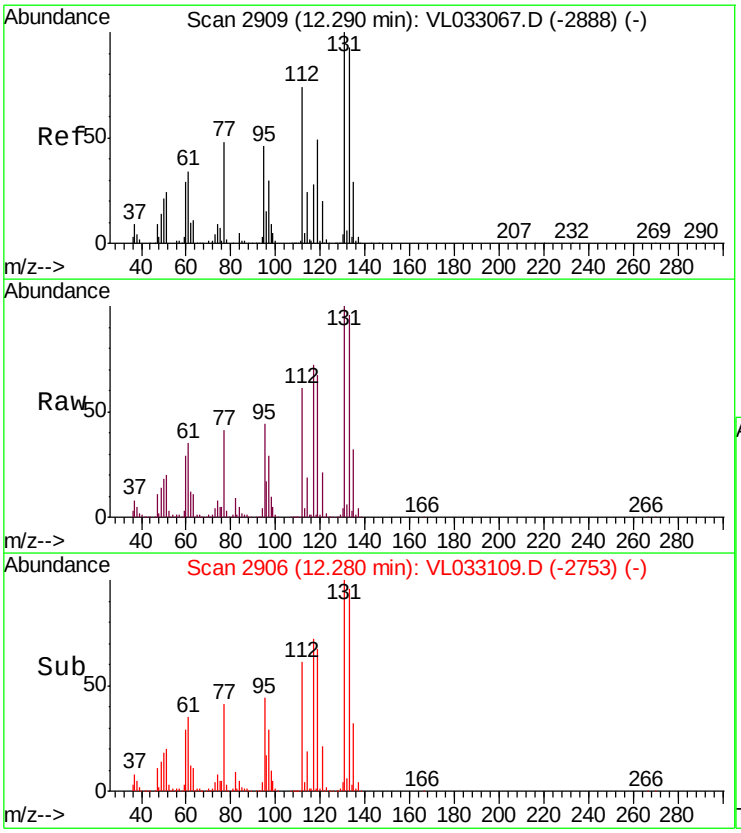
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion:117 Resp: 2758764

Ion	Ratio	Lower	Upper
117	100		
82	62.3	48.9	73.3
119	29.6	24.6	37.0

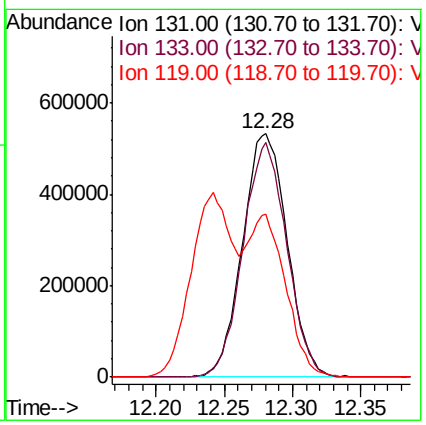


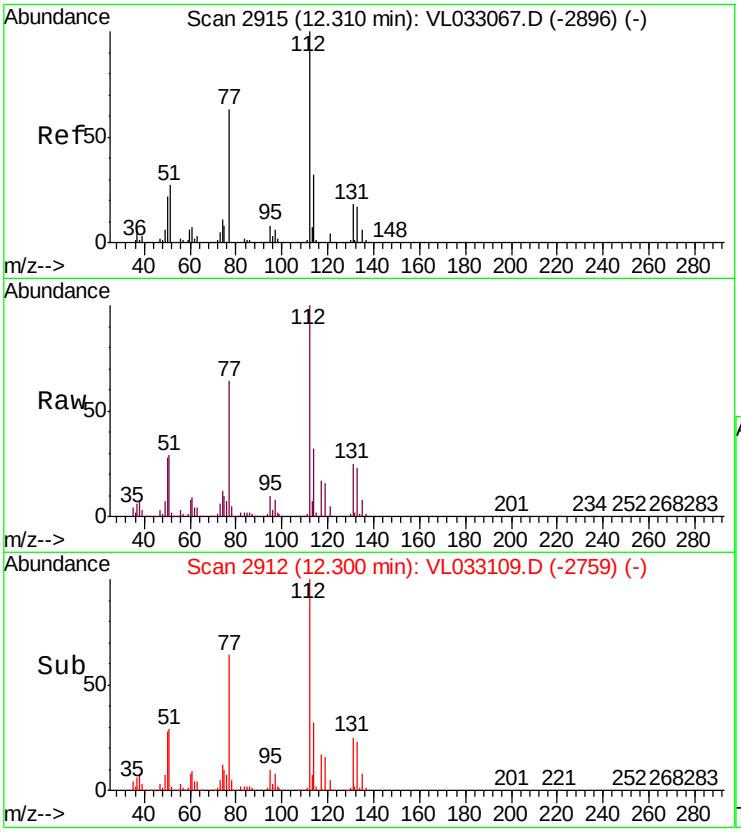


#56
1,1,1,2-Tetrachloroethane
Concen: 8.489 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:131 Resp: 1210111

Ion	Ratio	Lower	Upper
131	100		
133	94.5	76.0	114.0
119	58.7	44.2	66.2



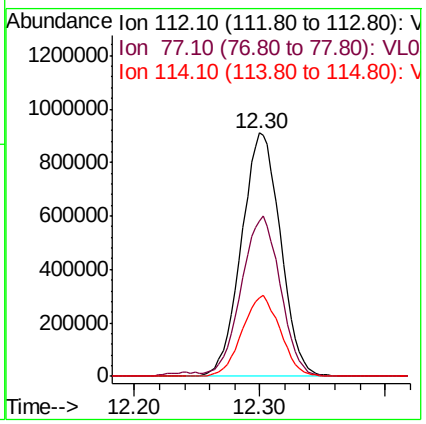


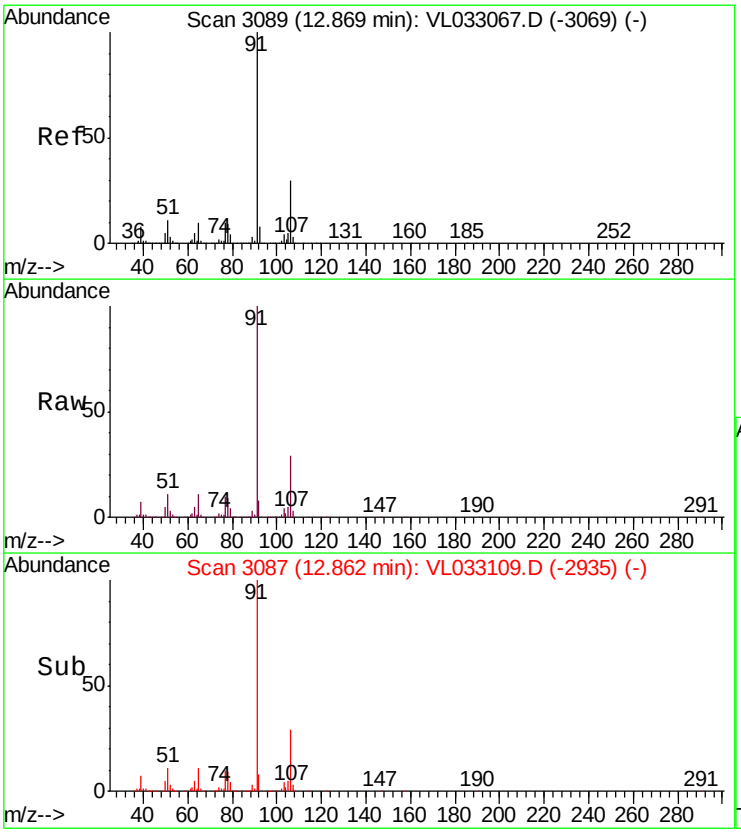
#57
Chlorobenzene
Concen: 8.556 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion:112 Resp: 1970299

Ion	Ratio	Lower	Upper
112	100		
77	63.4	53.4	80.0
114	32.3	30.0	36.6

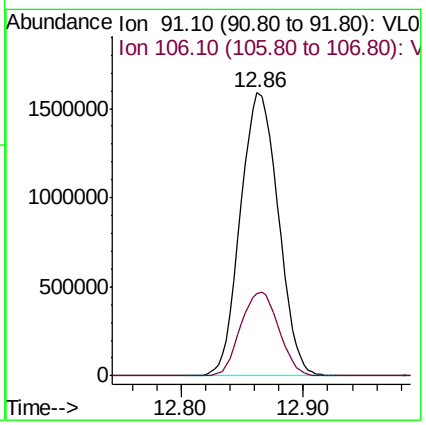


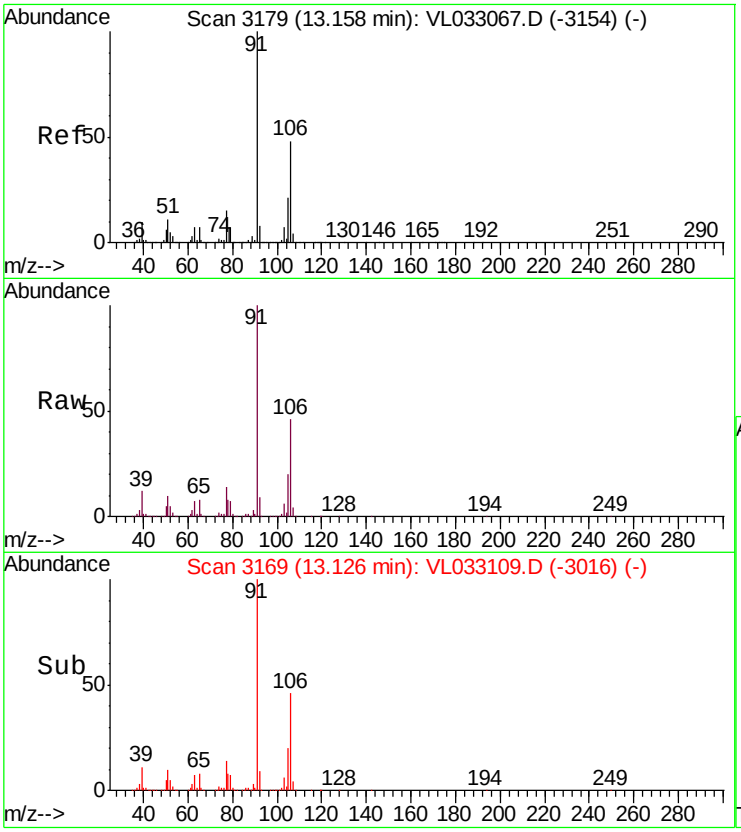


#58
Ethyl Benzene
Concen: 9.785 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 91 Resp: 3408427

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5



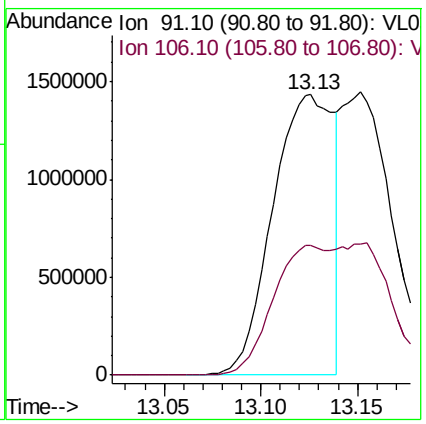


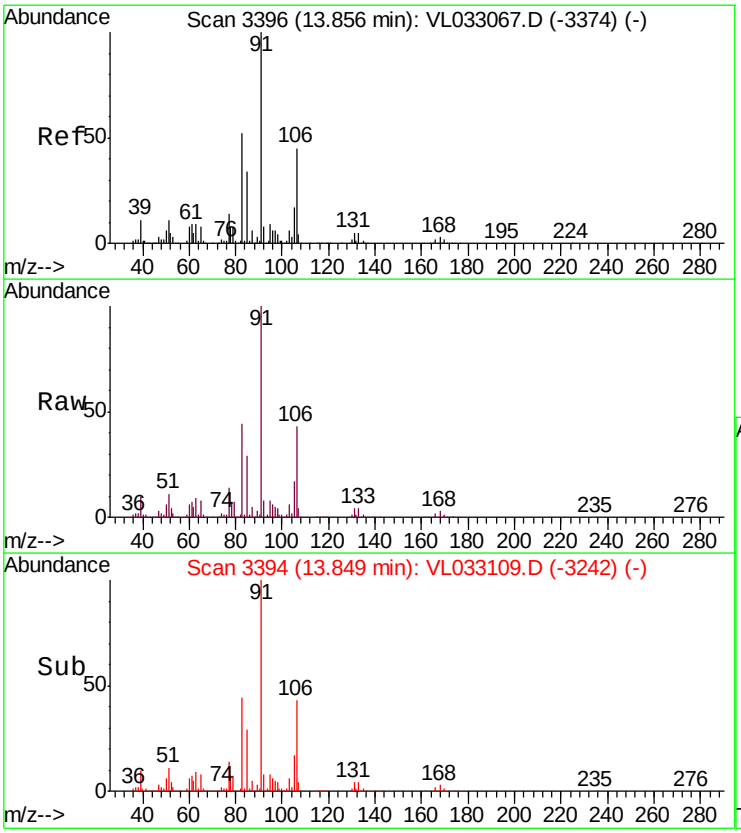
#59
m/p-Xylene
Concen: 9.718 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 91 Resp: 3131194

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

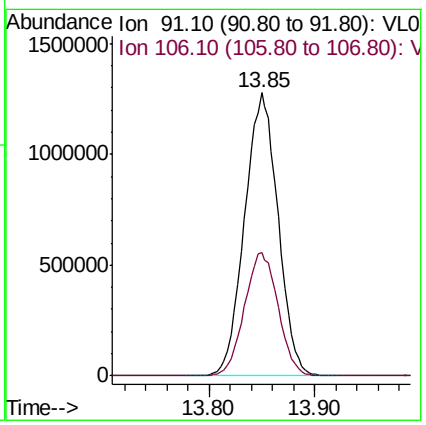


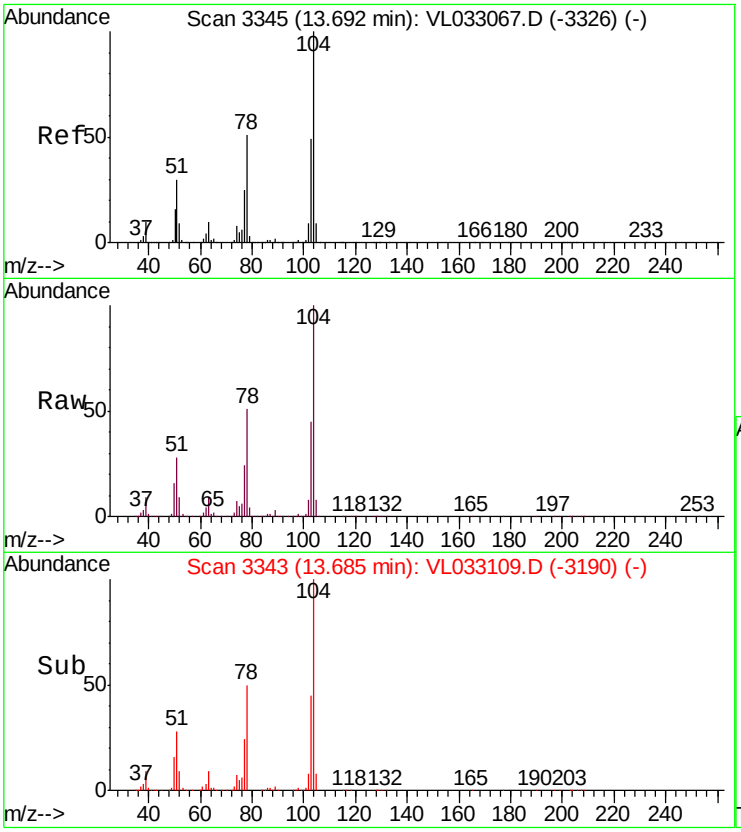


#60
o-Xylene
Concen: 8.928 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 91 Resp: 2816242

Ion	Ratio	Lower	Upper
91	100		
106	43.9	22.1	66.5



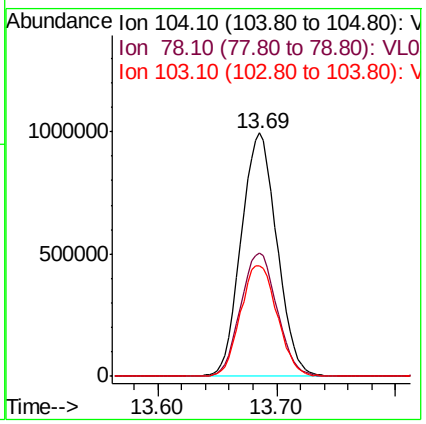


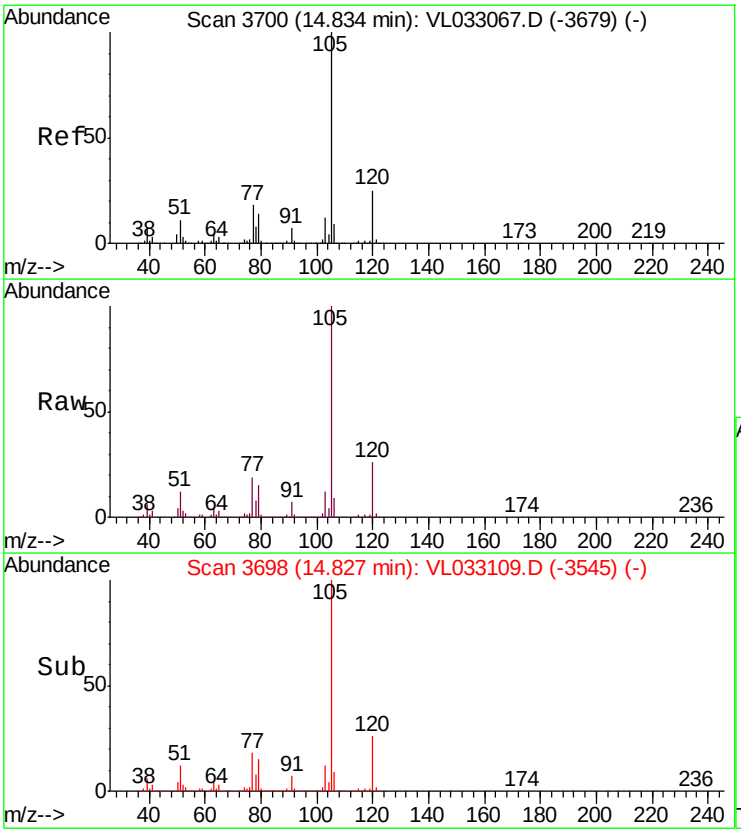
#61
Styrene
Concen: 10.277 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion:104 Resp: 2068593

Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.6	62.4
103	47.2	38.1	57.1

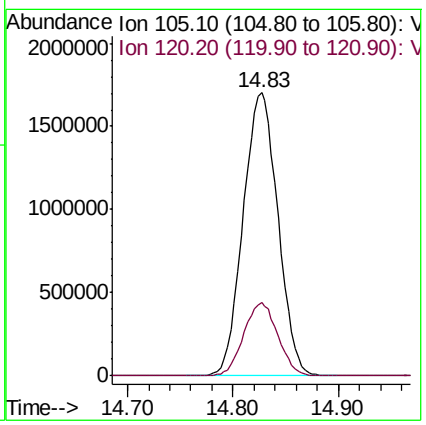


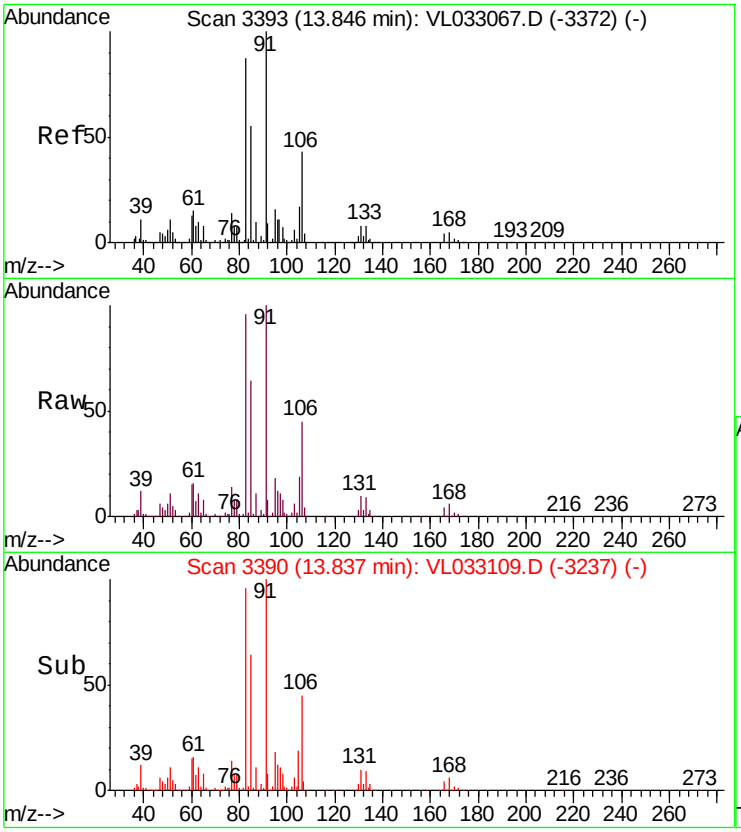


#62
Isopropylbenzene
Concen: 8.703 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:105 Resp: 3906792

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.4	30.6



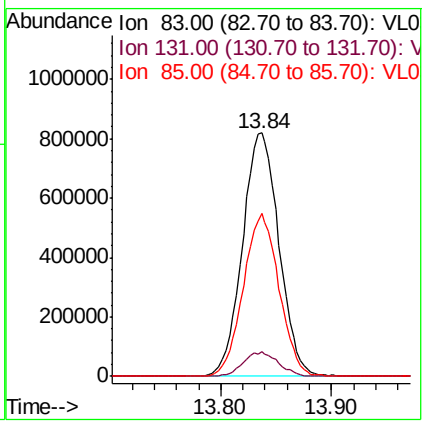


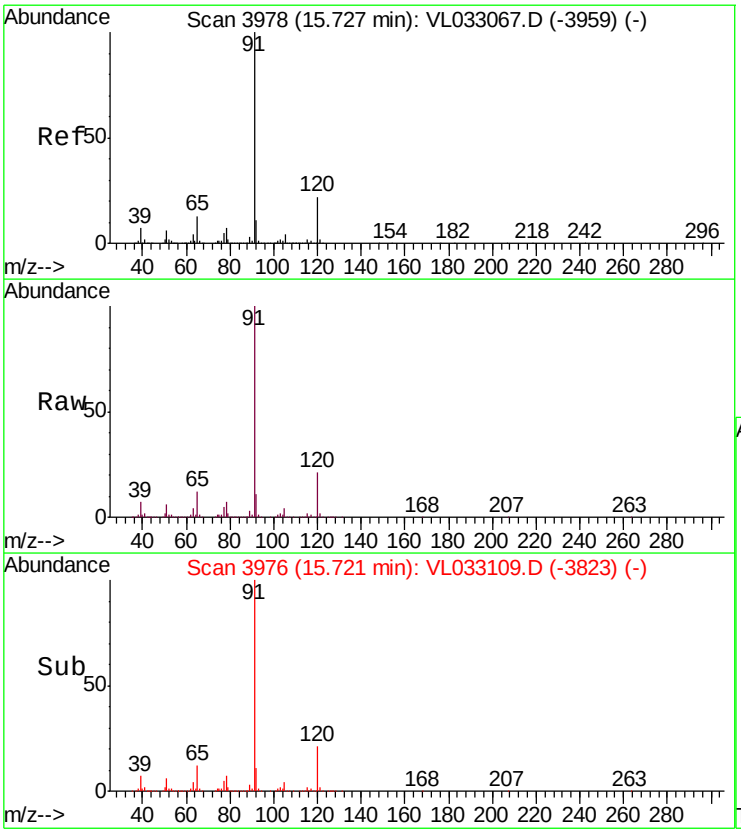
#63
1,1,2,2-Tetrachloroethane
Concen: 8.018 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion: 83 Resp: 1878762

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	65.6	32.6	97.8

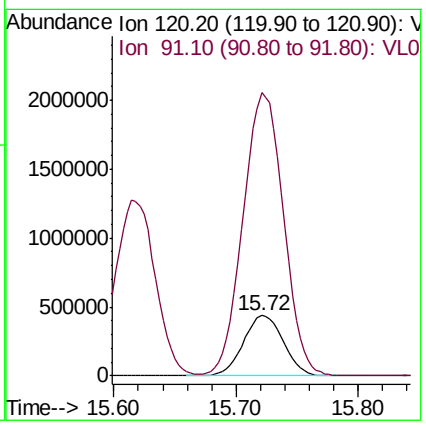


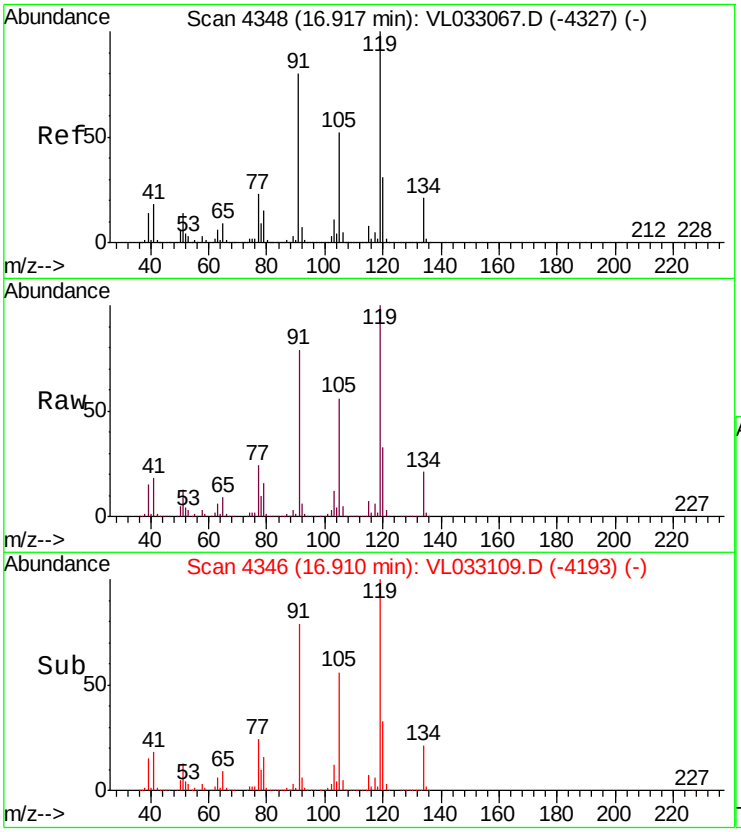


#64
n-propylbenzene
Concen: 8.700 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:120 Resp: 992106

Ion	Ratio	Lower	Upper
120	100		
91	477.7	378.7	568.1



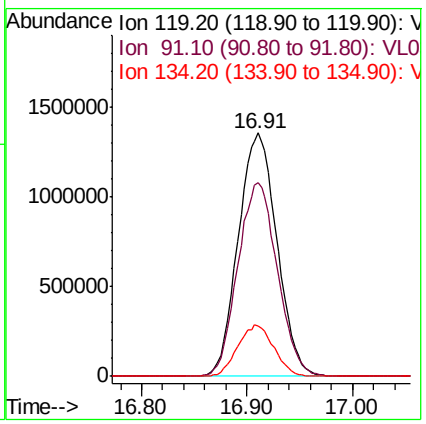


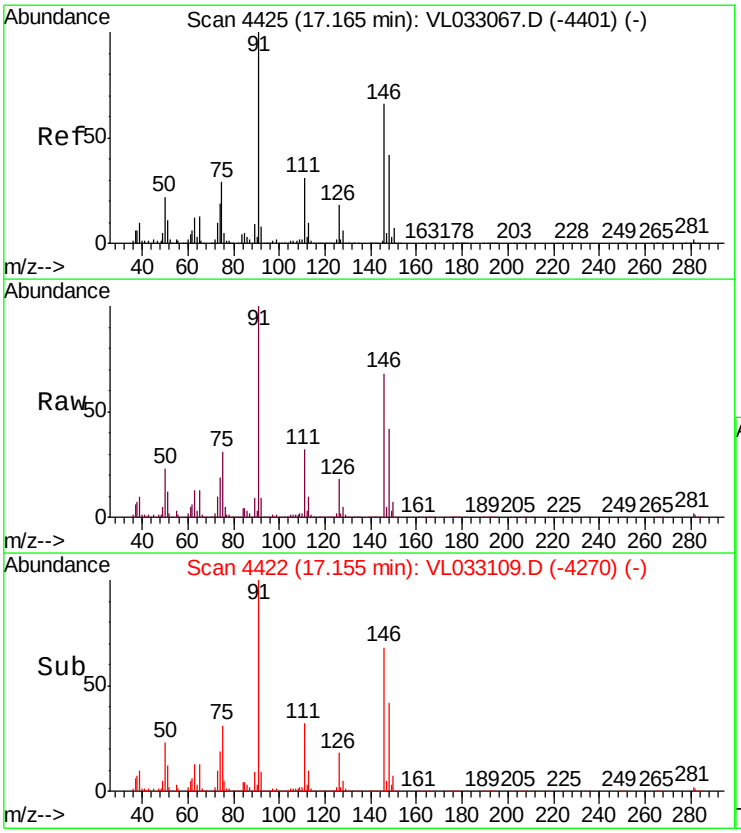
#65
tert-Butylbenzene
Concen: 8.705 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion:119 Resp: 3461389

Ion	Ratio	Lower	Upper
119	100		
91	81.5	64.6	97.0
134	19.8	15.8	23.8

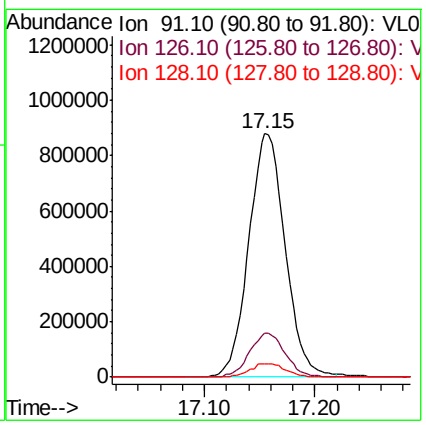


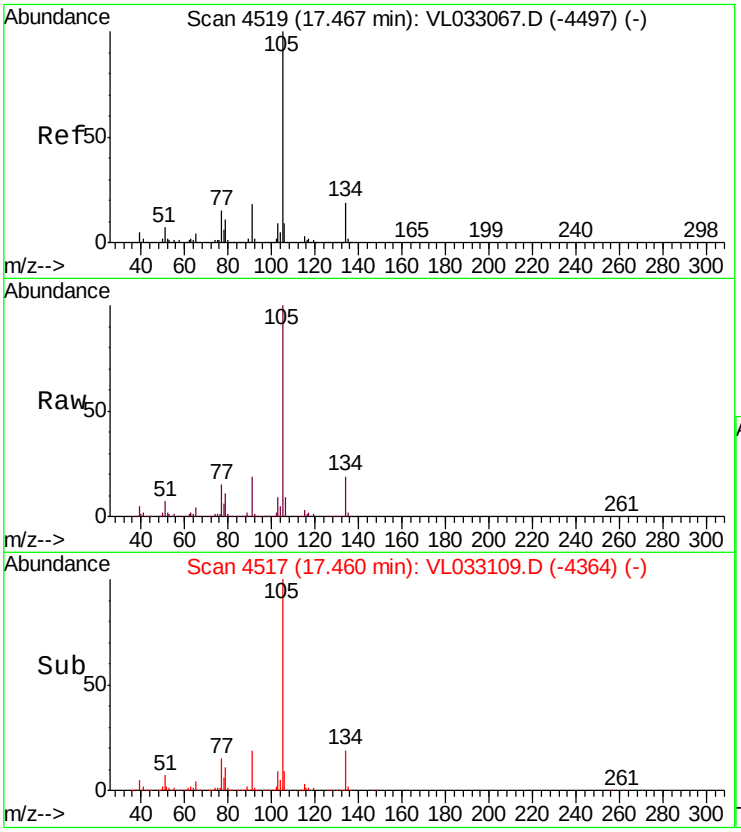


#66
Benzyl Chloride
Concen: 8.857 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 91 Resp: 2007370

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.4	21.6
128	5.6	4.5	6.7



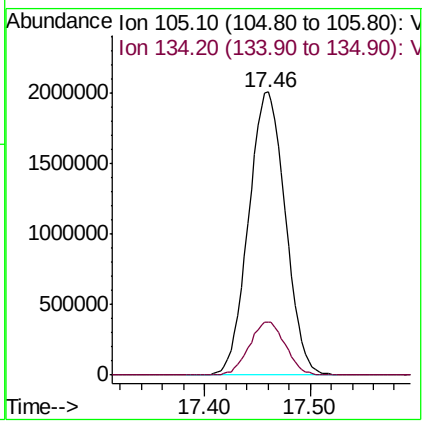


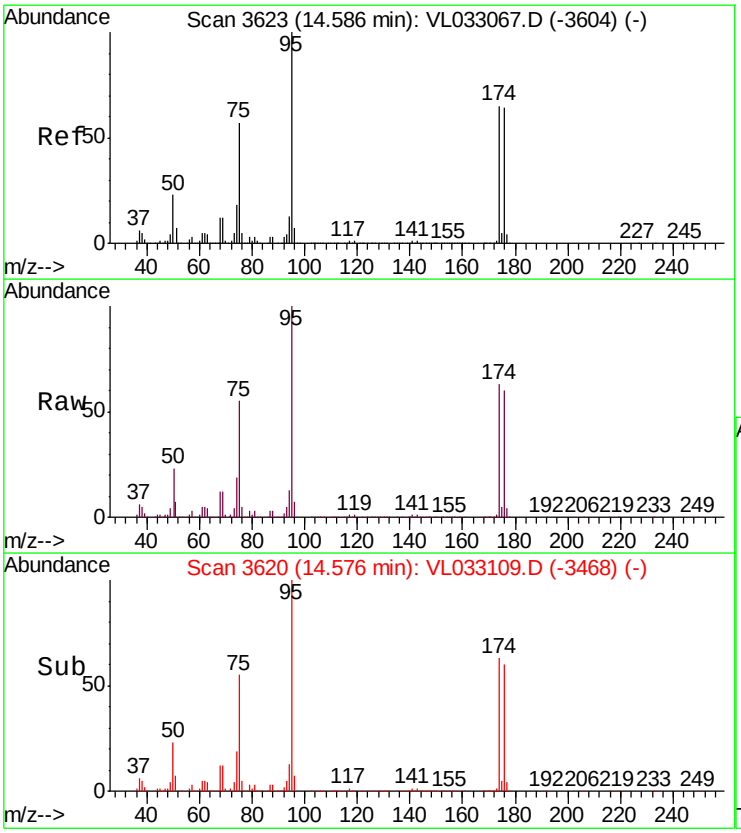
#67
sec-Butylbenzene
Concen: 8.607 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion:105 Resp: 4898059

Ion	Ratio	Lower	Upper
105	100		
134	18.4	14.6	21.8

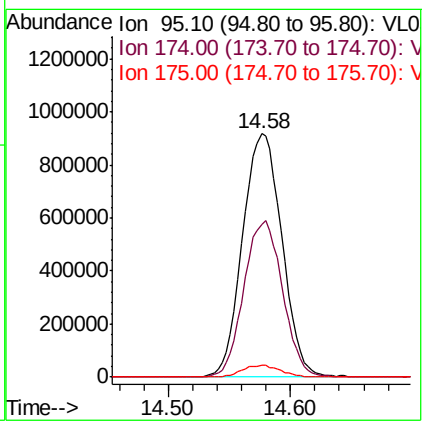


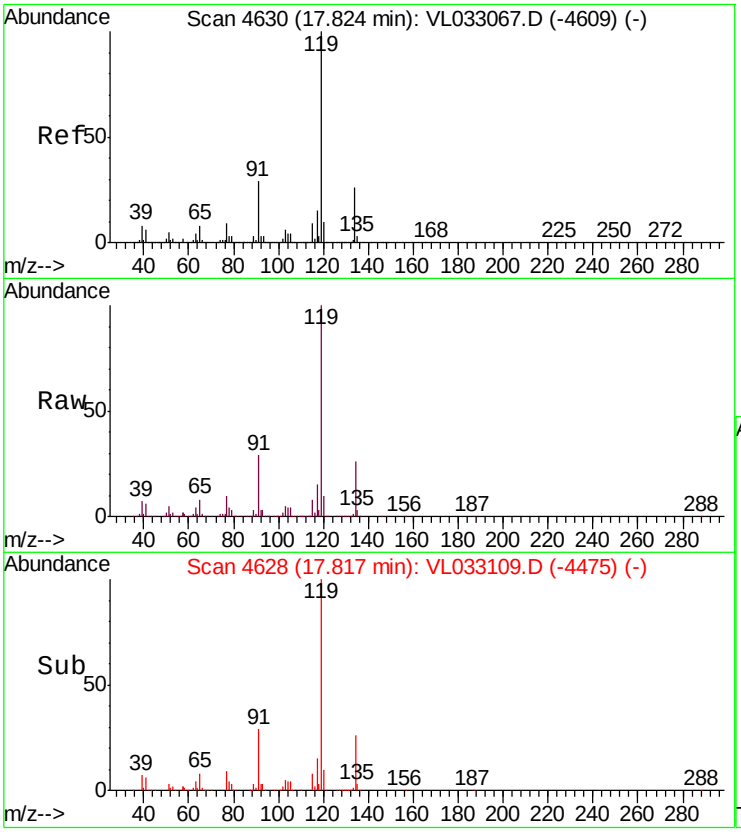


#68
1-Bromo-4-Fluorobenzene
Concen: 9.662 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 95 Resp: 2043332

Ion	Ratio	Lower	Upper
95	100		
174	63.5	51.9	77.9
175	4.8	3.9	5.9



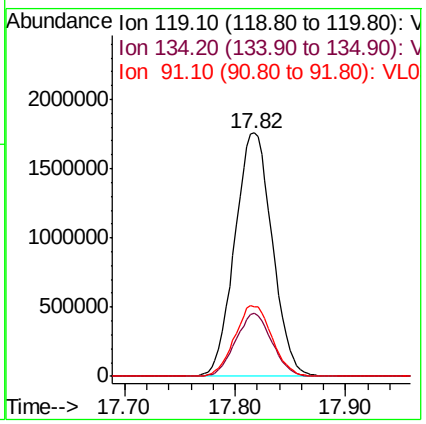


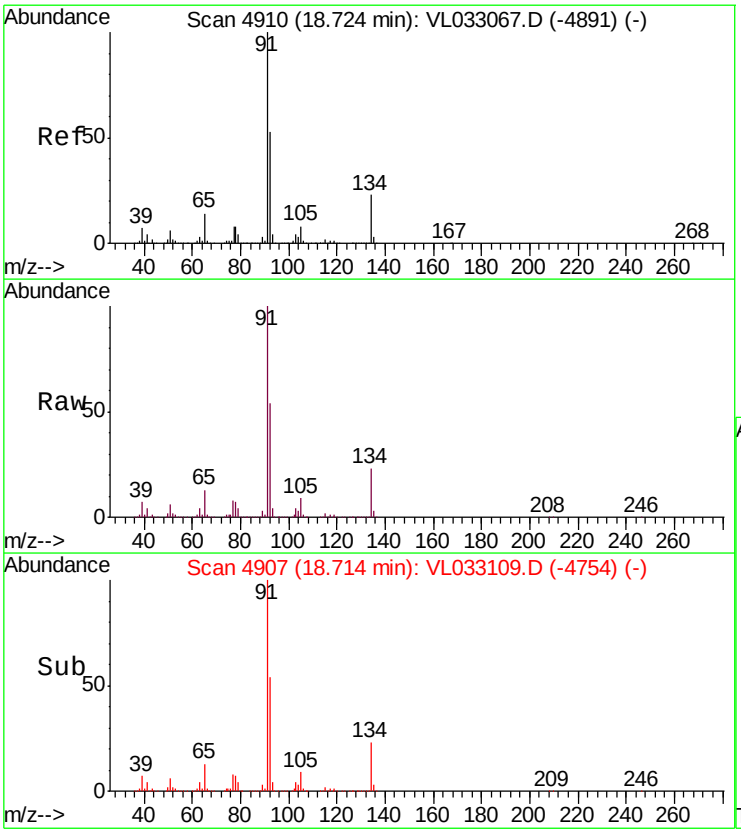
#69
p-Isopropyltoluene
Concen: 8.934 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion:119 Resp: 4126263

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.1	30.1
91	29.1	23.0	34.4

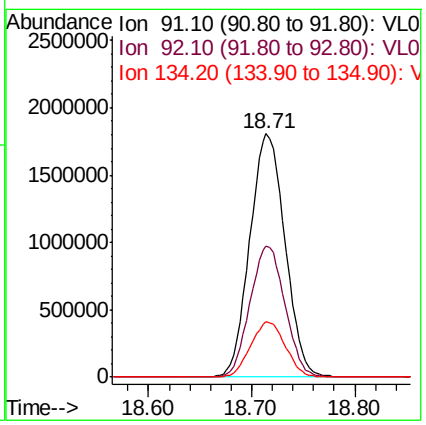


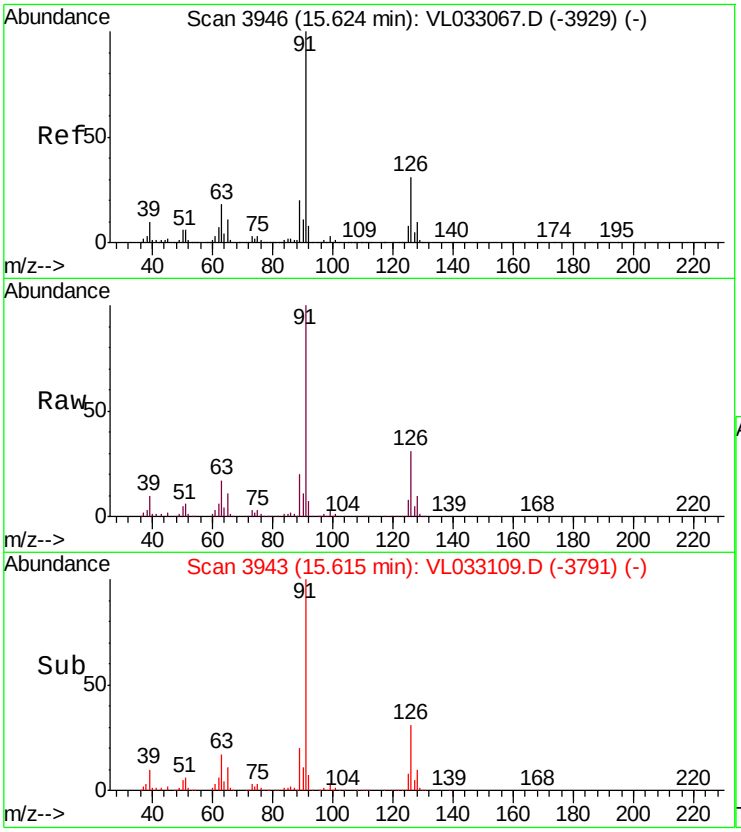


#70
n-Butylbenzene
Concen: 9.218 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion: 91 Resp: 4279746

Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.4	63.6
134	22.5	18.0	27.0



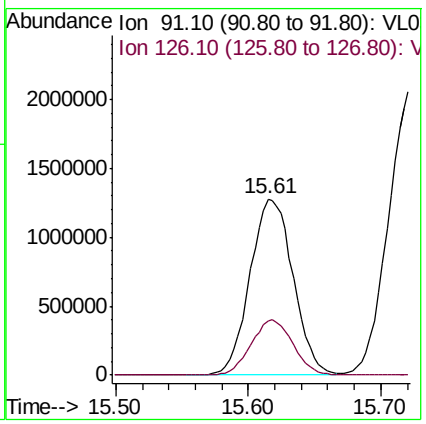


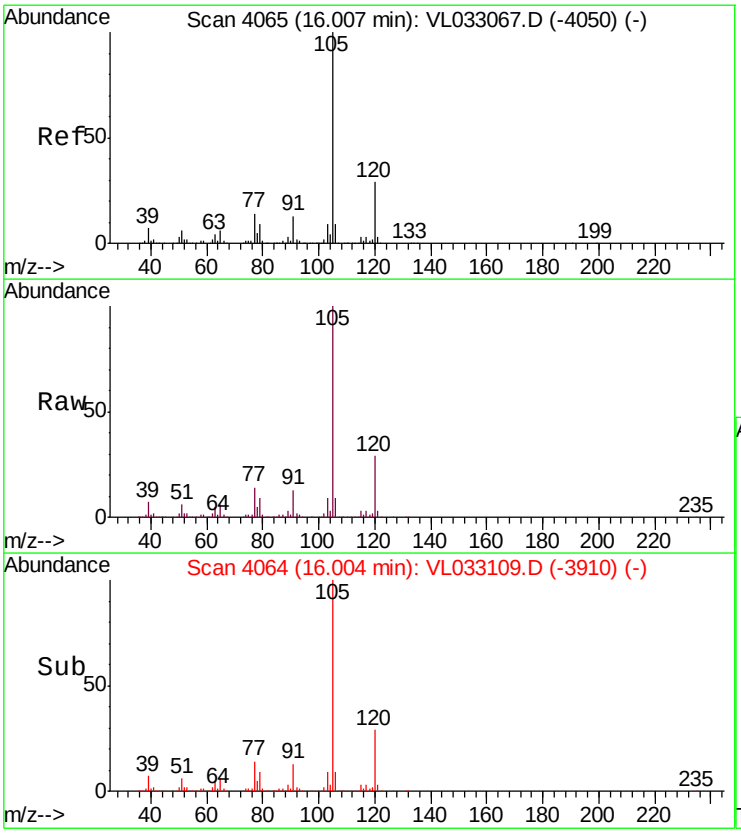
#71
2-Chlorotoluene
Concen: 9.066 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion: 91 Resp: 2886463

Ion	Ratio	Lower	Upper
91	100		
126	30.6	12.4	49.6

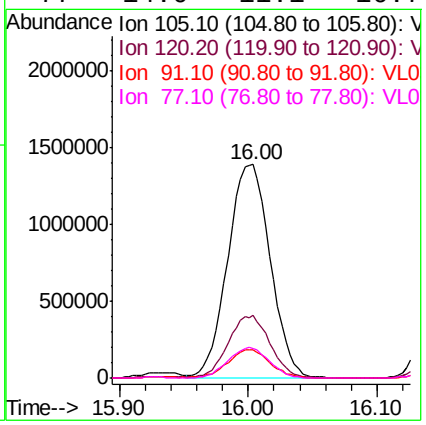


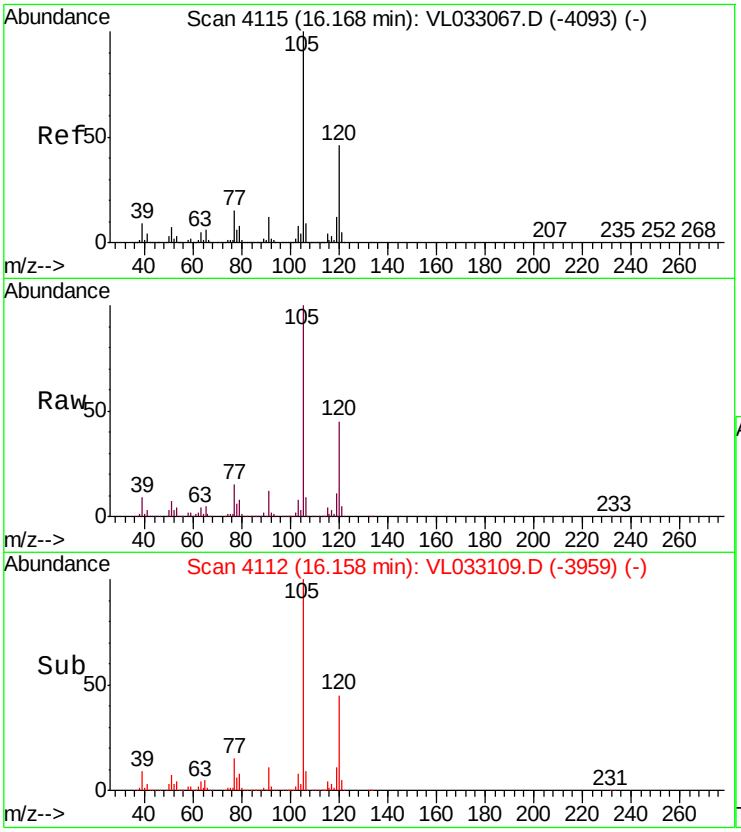


#72
4-Ethyltoluene
Concen: 9.181 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:105 Resp: 3182659

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.0	34.6
91	13.8	10.3	15.5
77	14.0	11.1	16.7



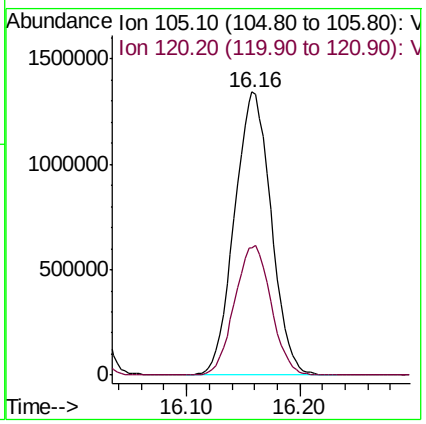


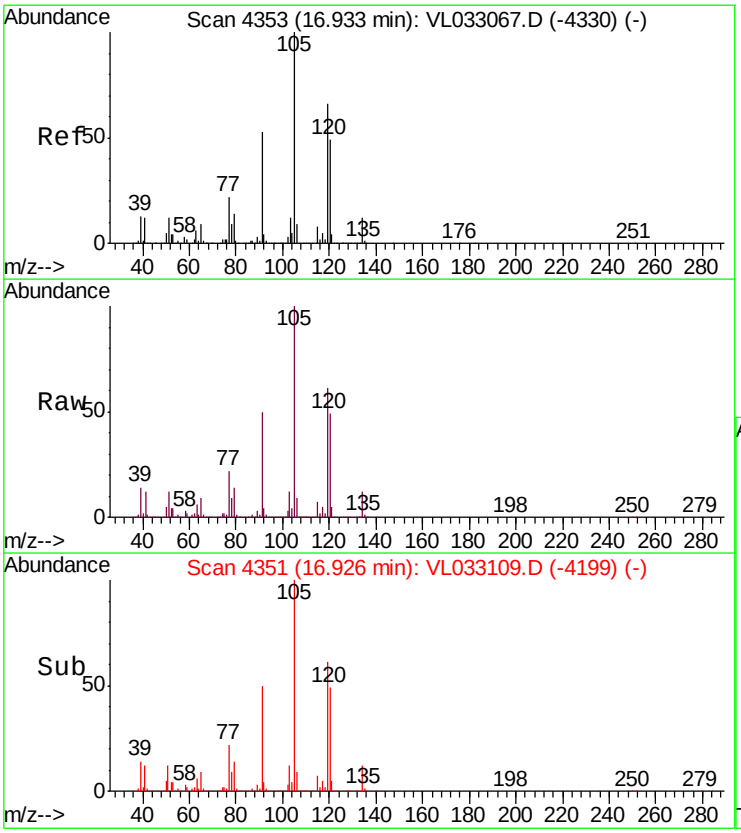
#73
1,3,5-Trimethylbenzene
Concen: 8.838 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument : MSVOA_L
ClientSampleId : IDOC-2

Tgt Ion:105 Resp: 3022797

Ion	Ratio	Lower	Upper
105	100		
120	44.8	36.1	54.1

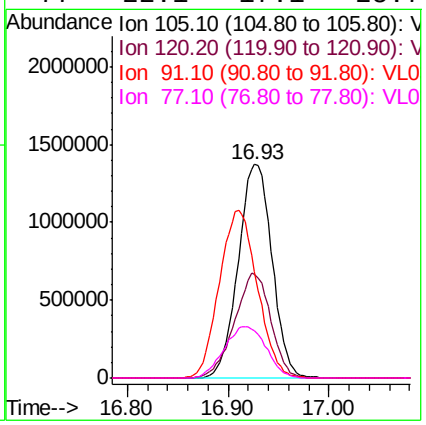


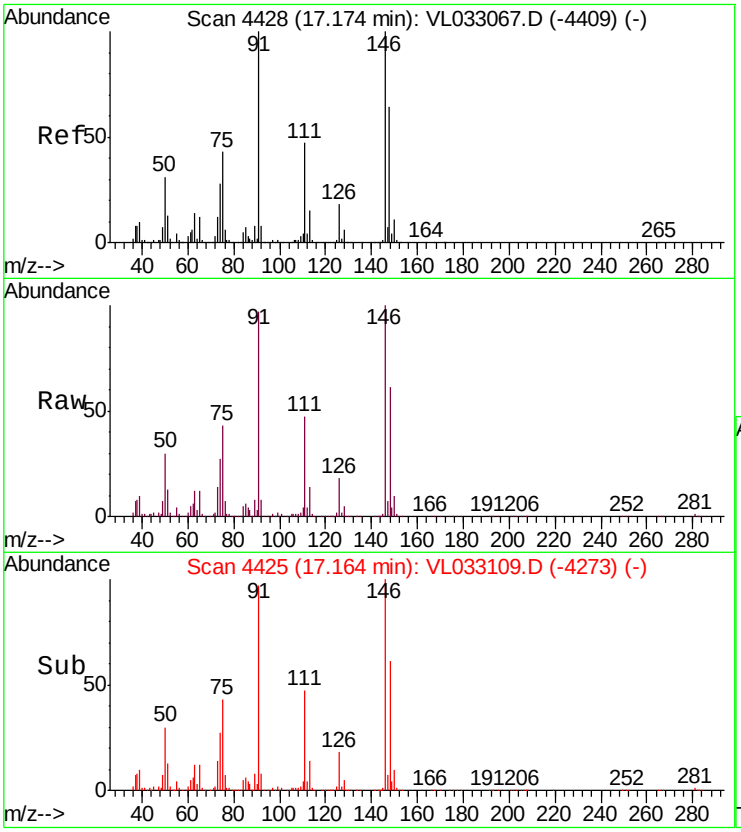


#74
1,2,4-Trimethylbenzene
Concen: 8.415 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:105 Resp: 3187780

Ion	Ratio	Lower	Upper
105	100		
120	48.5	37.0	55.4
91	49.5	35.4	53.0
77	22.1	17.1	25.7



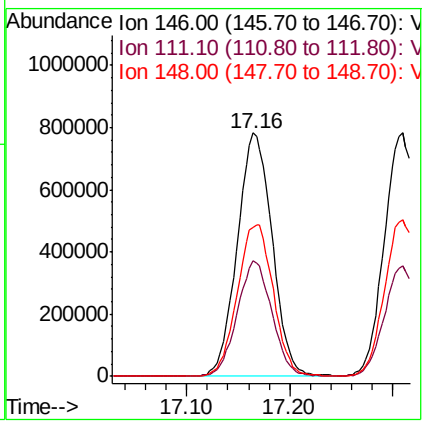


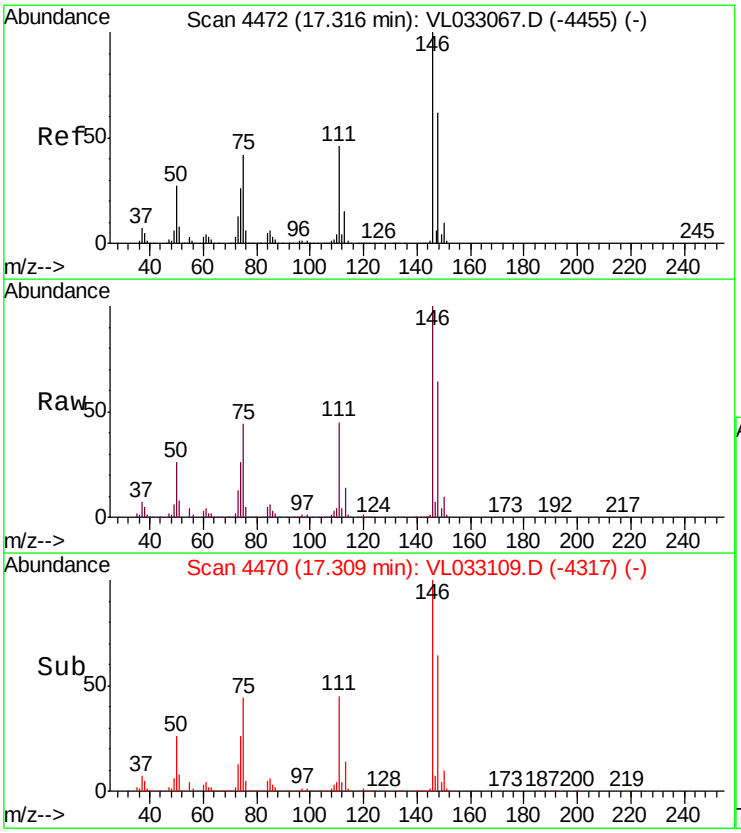
#75
1,3-Dichlorobenzene
Concen: 8.275 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion:146 Resp: 1845094

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.4	70.2
148	64.0	32.1	96.3

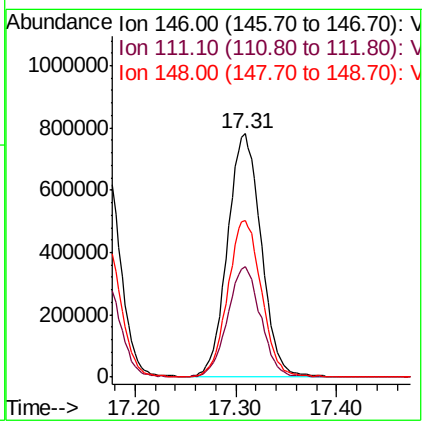


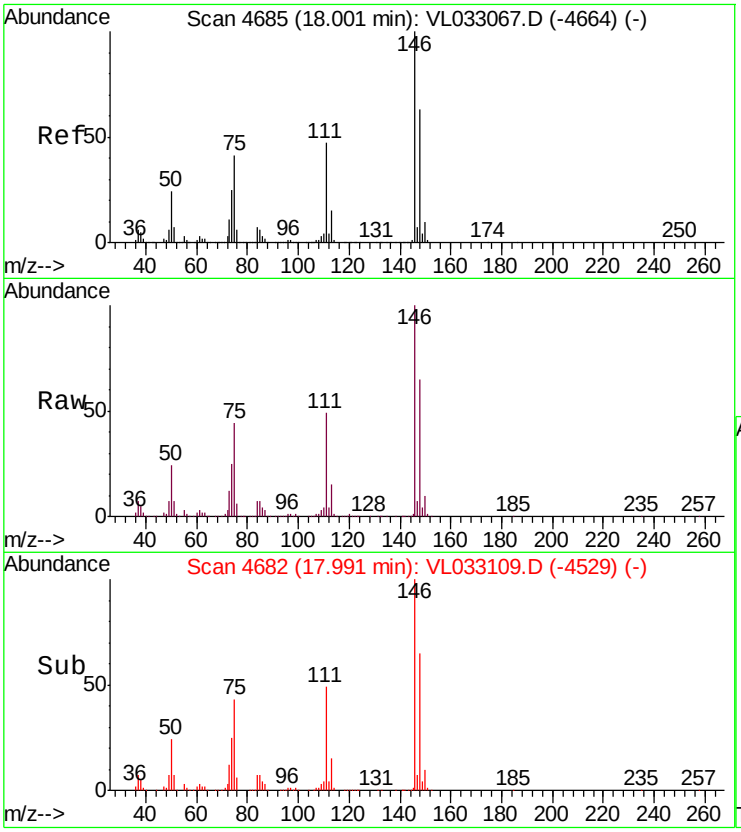


#76
1,4-Dichlorobenzene
Concen: 8.891 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:146 Resp: 1805867

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.7	68.1
148	64.6	32.4	97.2



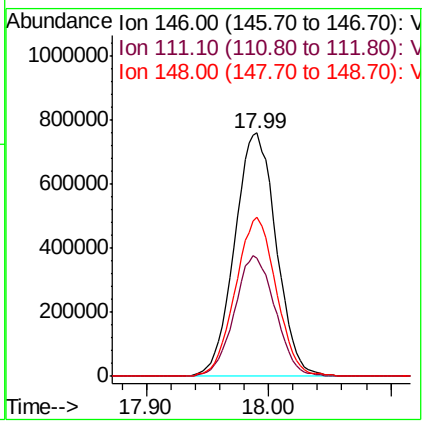


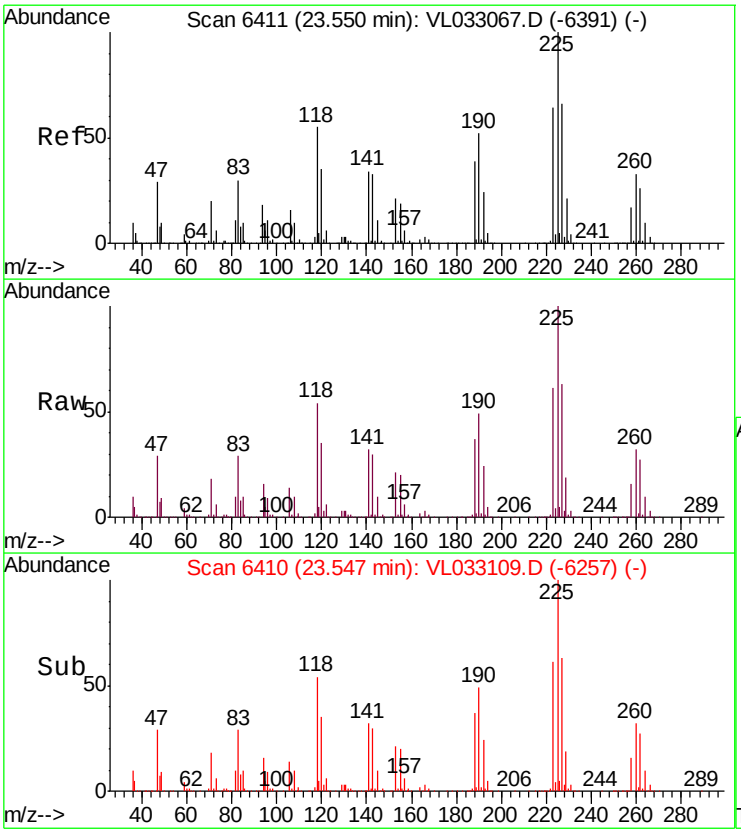
#77
1,2-Dichlorobenzene
Concen: 8.910 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion:146 Resp: 1789217

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.4	73.2
148	64.5	32.3	96.9

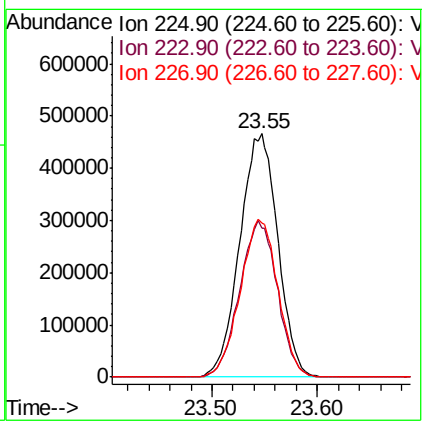


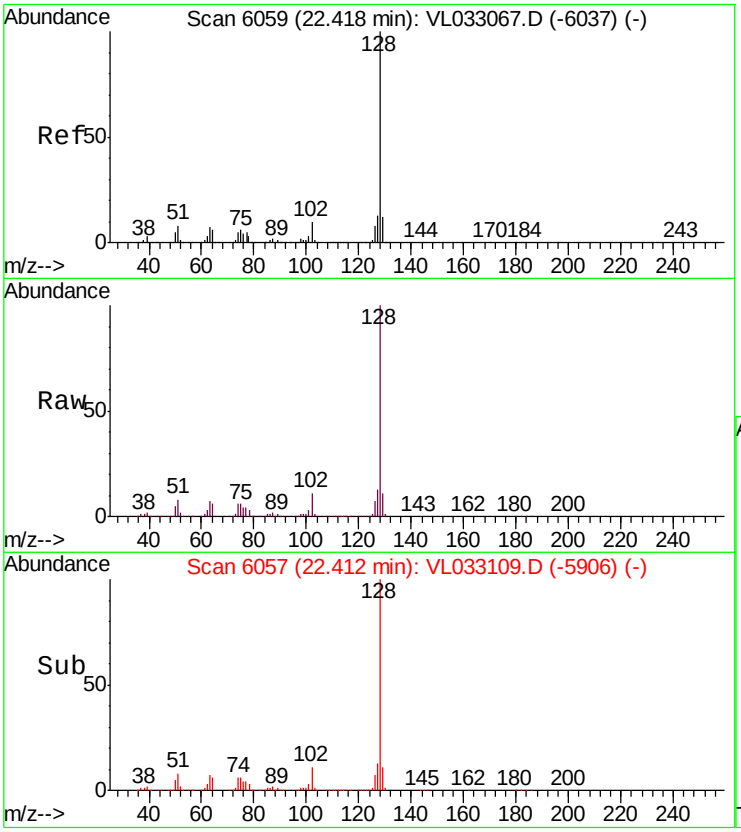


#78
Hexachloro-1,3-Butadiene
Concen: 7.587 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:225 Resp: 1170189

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.0	76.6
227	64.3	51.0	76.4



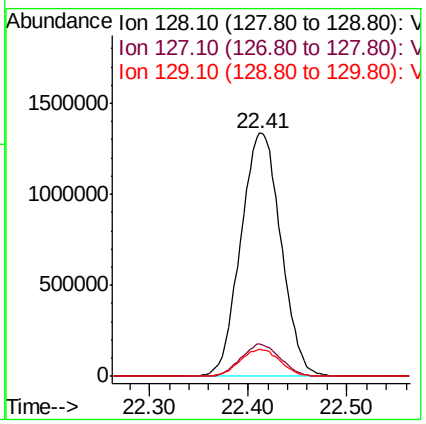


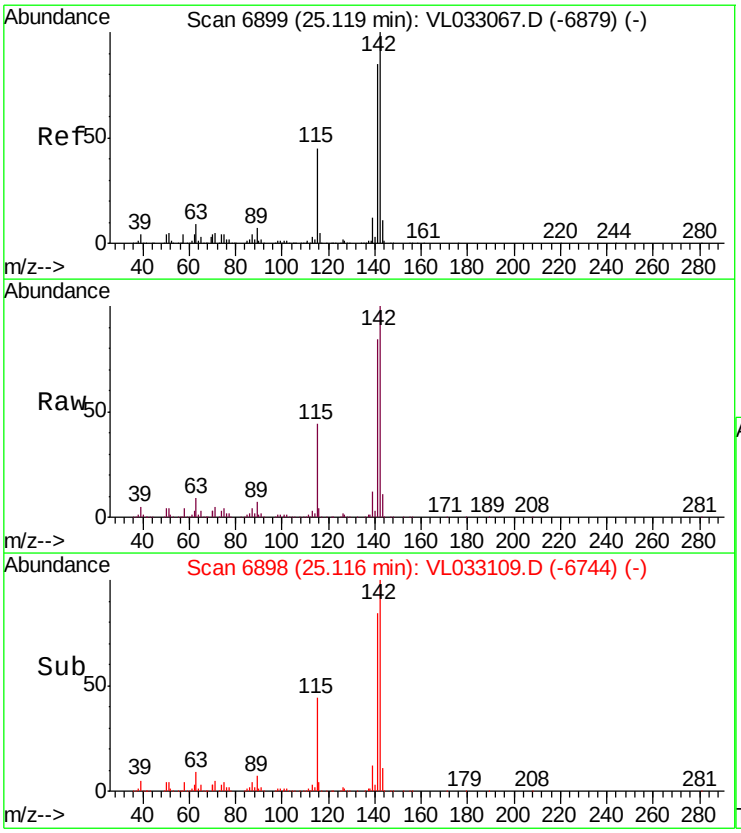
#79
Naphthalene
Concen: 11.831 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion:128 Resp: 3774827

Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.0	16.6
129	11.0	9.4	14.0

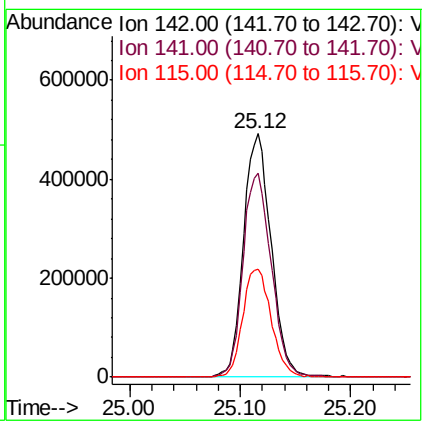


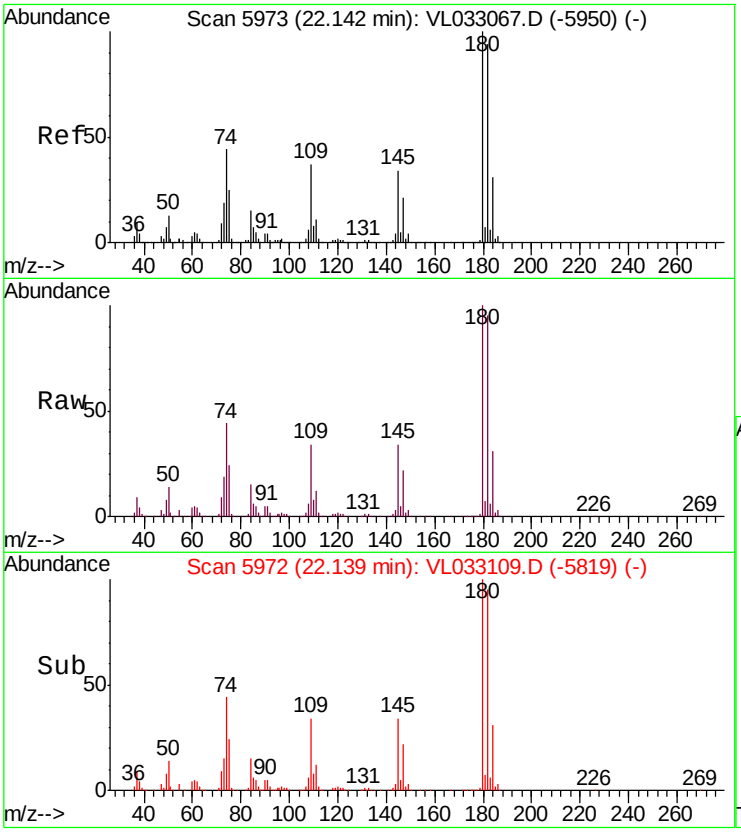


#80
Naphthalene,2-methyl-
Concen: 8.812 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Tgt Ion:142 Resp: 853289

Ion	Ratio	Lower	Upper
142	100		
141	86.3	68.6	103.0
115	45.8	35.6	53.4





#81
1,2,4-Trichlorobenzene
Concen: 11.411 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.01 min
Lab File: VL033109.D
Acq: 17 Jan 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
IDOC-2

Tgt Ion:180 Resp: 1758962

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
184	30.3	24.6	37.0