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

Quantitation Report (Not Reviewed)

Data File : VL033110.D
Acq On : 17 Jan 2019 3:12
Operator : SY/AP
Sample : IDOC
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Quant Time: Jan 17 03:59:40 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	1109098	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2791480	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3345777	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1996467	7.78	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 77.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	2303618	11.161	ppbv	100
3) Chlorodifluoromethane	3.01	51	1277295	10.174	ppbv	99
4) Chloromethane	3.17	50	705885	9.816	ppbv	97
5) Vinyl Chloride	3.29	62	725941	9.996	ppbv	100
6) Bromomethane	3.51	94	483751	9.805	ppbv	97
7) Chloroethane	3.60	64	280274	9.869	ppbv	94
8) Dichlorotetrafluoroethane	3.22	85	1811065	10.186	ppbv	99
9) Propene	3.04	41	538408	11.480	ppbv	100
10) Heptane	8.25	43	1389043	10.402	ppbv	99
11) Trichlorofluoromethane	4.00	101	1946950	8.536	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1334752	9.255	ppbv	100
13) Ethanol	3.65	45	94097	5.031	ppbv	95
14) Bromoethene	3.79	108	622935	9.780	ppbv	98
15) Acetone	3.90	43	1434119	9.342	ppbv	99
16) 1,3-Butadiene	3.36	39	597305	10.318	ppbv	97
17) tert-Butyl alcohol	4.35	59	285970	8.794	ppbv	100
18) 1,1-Dichloroethene	4.35	96	624297	9.398	ppbv	98
19) Isopropyl Alcohol	4.02	45	694645	6.573	ppbv	100
20) Methylene Chloride	4.41	84	538216	8.410	ppbv	95
21) Allyl Chloride	4.48	41	997092	10.481	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	632118	9.599	ppbv	92
23) Vinyl Acetate	5.16	43	2079511	10.648	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1552446	9.362	ppbv	99
25) Ethyl Acetate	5.77	43	2427078	9.353	ppbv	100
26) Hexane	5.78	57	1134976	9.289	ppbv	100
27) Carbon Disulfide	4.62	76	1556362	10.328	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1952265	10.236	ppbv	100
29) Chloroform	5.85	83	1895370	9.103	ppbv	98
30) Cyclohexane	7.25	84	980896	10.767	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1189484	10.484	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	1990622	9.420	ppbv	100
34) 2-Butanone	5.33	43	1581470	9.751	ppbv	100
35) Carbon Tetrachloride	7.13	117	2164010	9.025	ppbv	96
36) Benzene	7.01	78	2361065	10.325	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1458554	9.136	ppbv	100
38) Trichloroethene	7.96	130	948886	10.087	ppbv	96
39) 1,2-Dichloropropane	7.74	63	850610	9.902	ppbv	97
40) 1,4-Dioxane	7.95	88	284745	8.732	ppbv #	1
41) Tetrahydrofuran	6.15	42	863036	10.454	ppbv	100
42) Bromodichloromethane	7.92	83	2024177	9.229	ppbv	99
43) Methyl Methacrylate	8.14	69	919849	10.721	ppbv	99

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

Quantitation Report (Not Reviewed)

Data File : VL033110.D
Acq On : 17 Jan 2019 3:12
Operator : SY/AP
Sample : IDOC
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Quant Time: Jan 17 03:59:40 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	3827094	9.883	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	1231882	11.534	ppbv		100
46) cis-1,3-Dichloropropene	8.84	75	1441555	11.826	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	939276	9.359	ppbv		98
48) Dibromochloromethane	10.45	129	1738660	9.805	ppbv		99
49) Bromoform	13.20	173	1386495	8.950	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	2163045	10.525	ppbv		100
51) 2-Hexanone	10.27	43	1624216	10.922	ppbv	#	100
52) Tetrachloroethene	11.37	164	817472	10.114	ppbv		98
53) Toluene	9.95	91	2657626	10.845	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1444358	9.989	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1200241	6.943	ppbv		97
57) Chlorobenzene	12.30	112	1994388	7.141	ppbv		97
58) Ethyl Benzene	12.86	91	3471220	8.217	ppbv		97
59) m/p-Xylene	13.12	91	3201569	8.193	ppbv	#	100
60) o-Xylene	13.85	91	2816933	7.363	ppbv		100
61) Styrene	13.69	104	2106184	8.628	ppbv		100
62) Isopropylbenzene	14.83	105	3959925	7.273	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1878623	6.611	ppbv		99
64) n-propylbenzene	15.72	120	1003825	7.258	ppbv		99
65) tert-Butylbenzene	16.91	119	3504234	7.266	ppbv		100
66) Benzyl Chloride	17.15	91	2019642	7.348	ppbv		100
67) sec-Butylbenzene	17.46	105	4962853	7.191	ppbv		100
69) p-Isopropyltoluene	17.82	119	4187276	7.475	ppbv		100
70) n-Butylbenzene	18.71	91	4314789	7.663	ppbv		99
71) 2-Chlorotoluene	15.62	91	2924730	7.575	ppbv		100
72) 4-Ethyltoluene	16.00	105	3218681	7.656	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	3076552	7.417	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	3221629	7.013	ppbv		97
75) 1,3-Dichlorobenzene	17.17	146	1853667	6.855	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	1824797	7.408	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1839478	7.553	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	1247348	6.669	ppbv		99
79) Naphthalene	22.41	128	3826964	9.890	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	898667	7.653	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1782747	9.536	ppbv		99

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

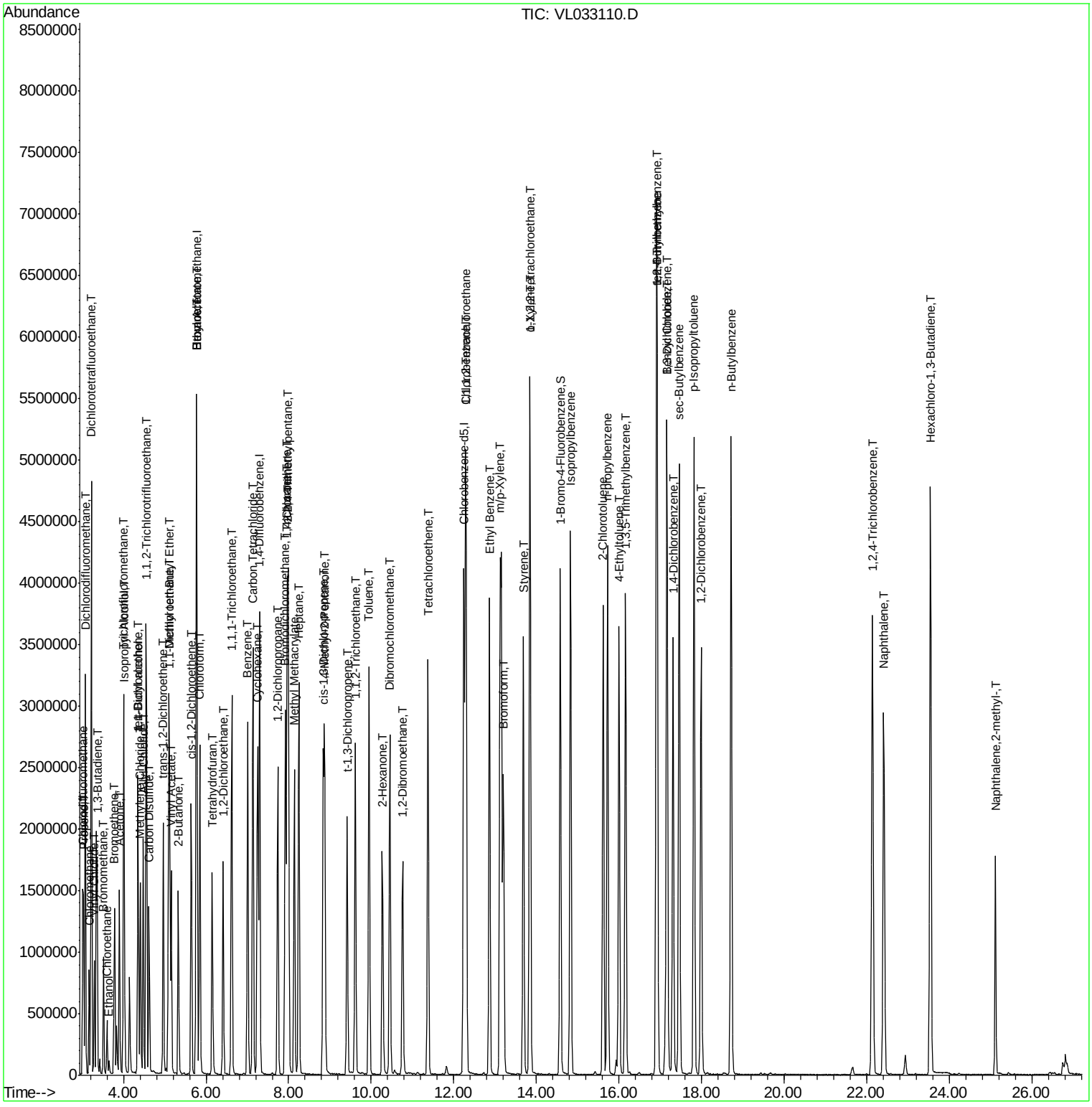
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011619\

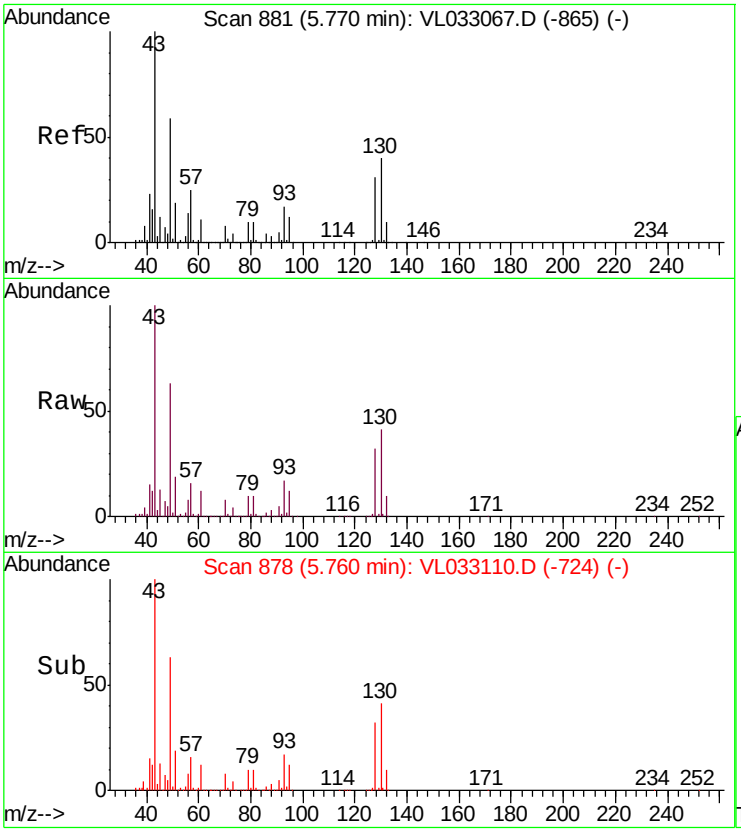
Quantitation Report (Not Reviewed)

Data File : VL033110.D
Acq On : 17 Jan 2019 3:12
Operator : SY/AP
Sample : IDOC
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Quant Time: Jan 17 03:59:40 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



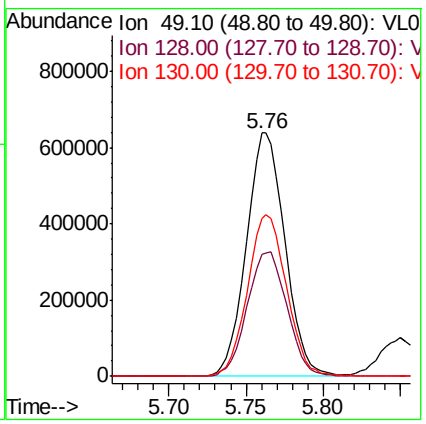


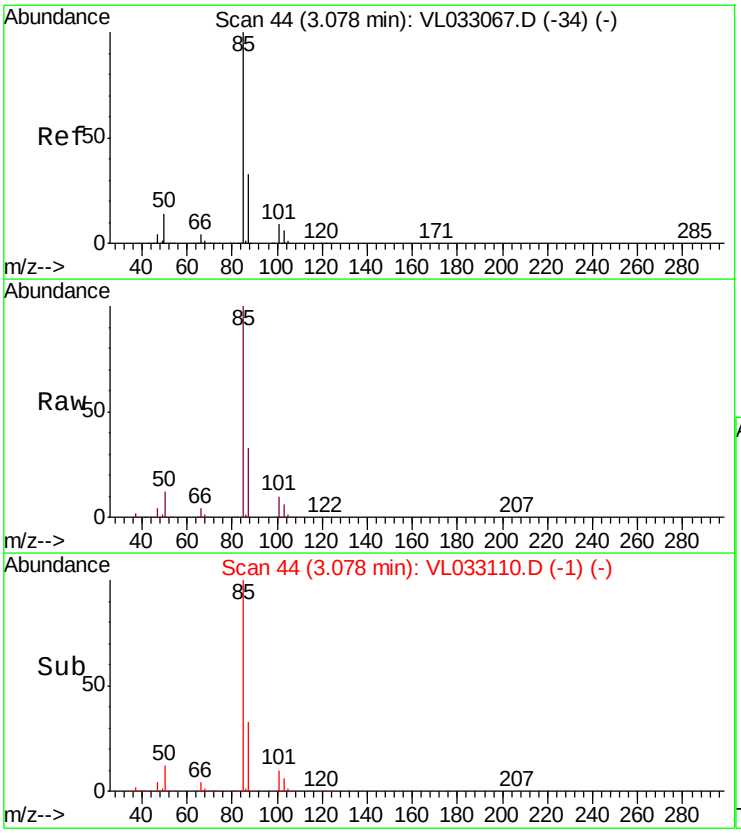
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 49 Resp: 1109098

Ion	Ratio	Lower	Upper
49	100		
128	52.7	26.2	78.5
130	67.4	33.6	100.6

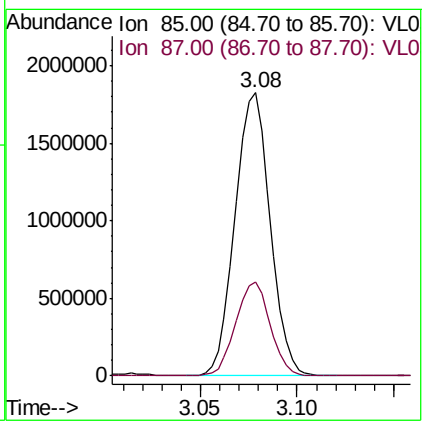


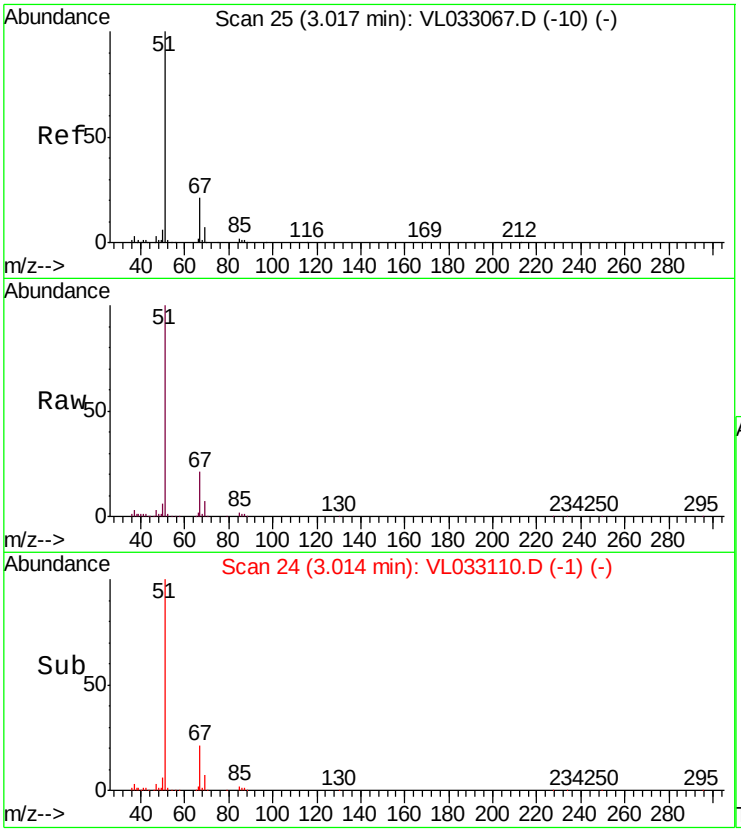


#2
Dichlorodifluoromethane
Concen: 11.161 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 85 Resp: 2303618

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.3	39.5



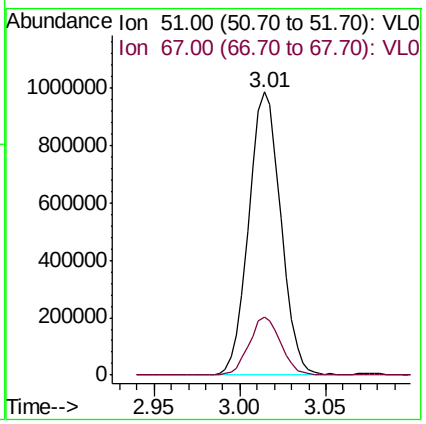


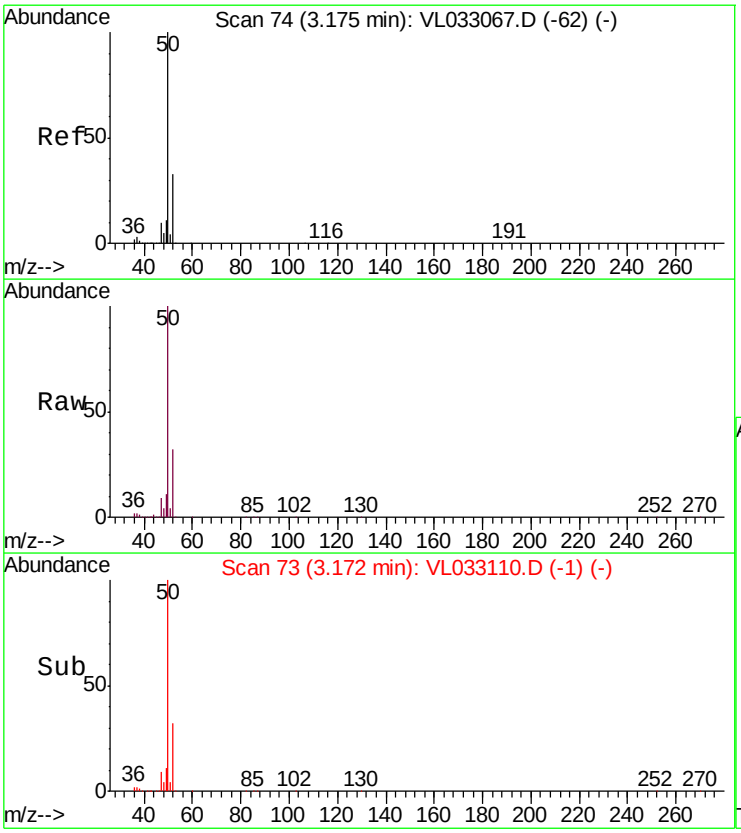
#3
Chlorodifluoromethane
Concen: 10.174 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion: 51 Resp: 1277295

Ion	Ratio	Lower	Upper
51	100		
67	20.1	16.3	24.5

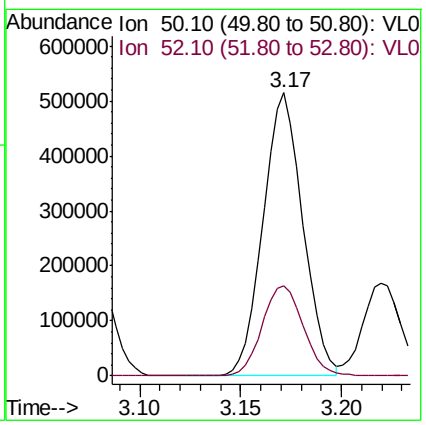


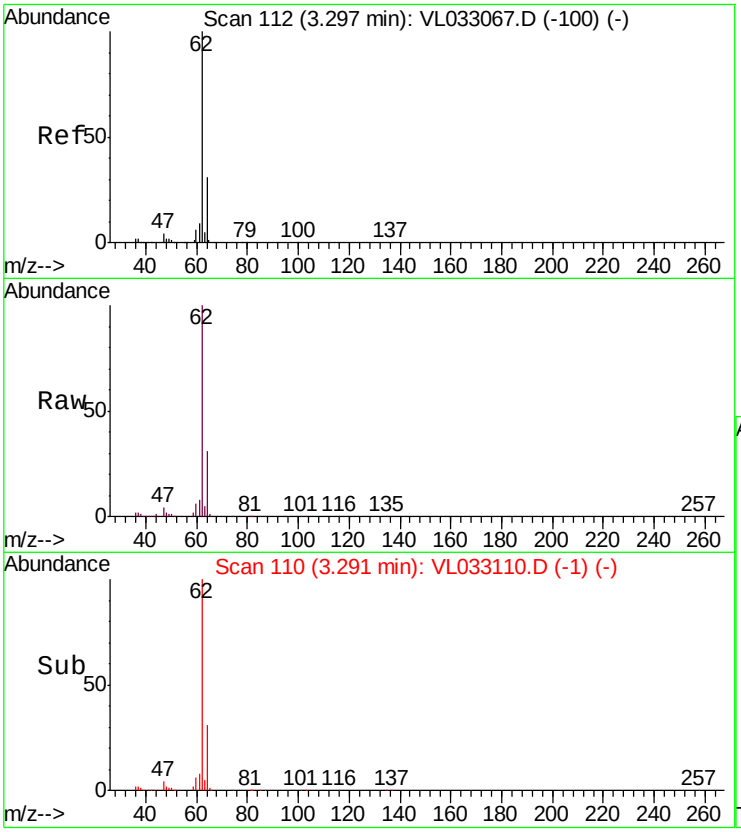


#4
Chloromethane
Concen: 9.816 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 50 Resp: 705885

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.9	40.3



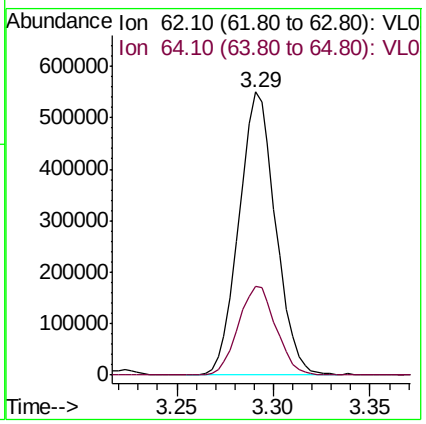


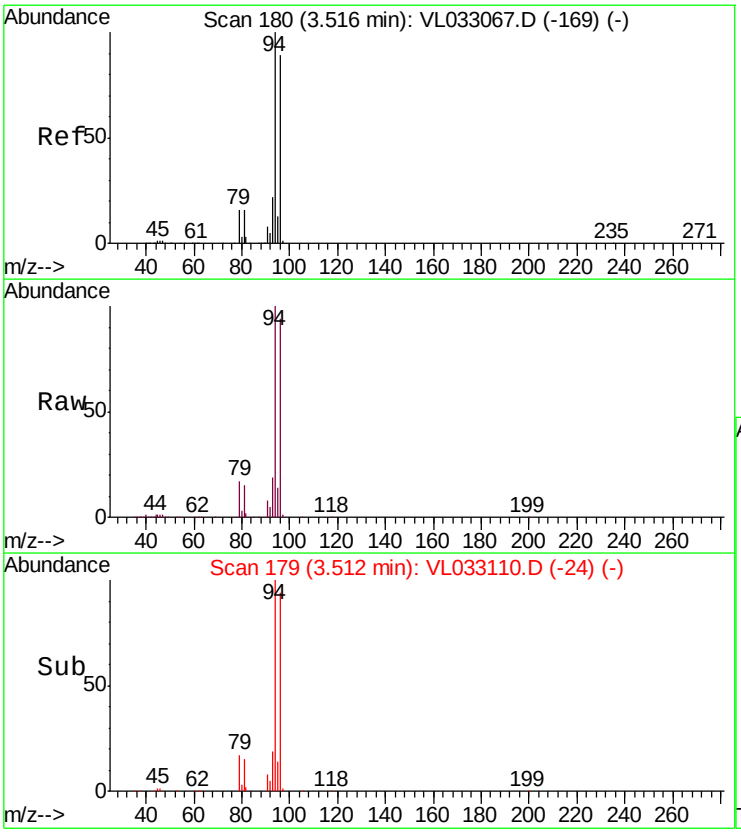
#5
Vinyl Chloride
Concen: 9.996 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 62 Resp: 725941

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.3	37.9

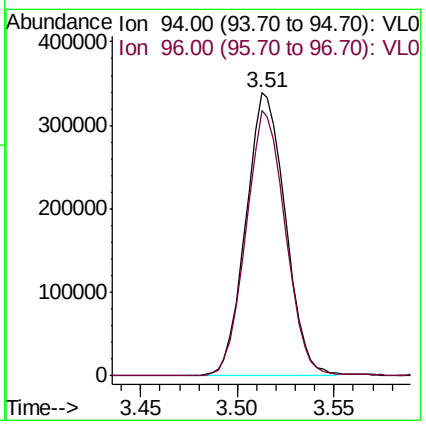


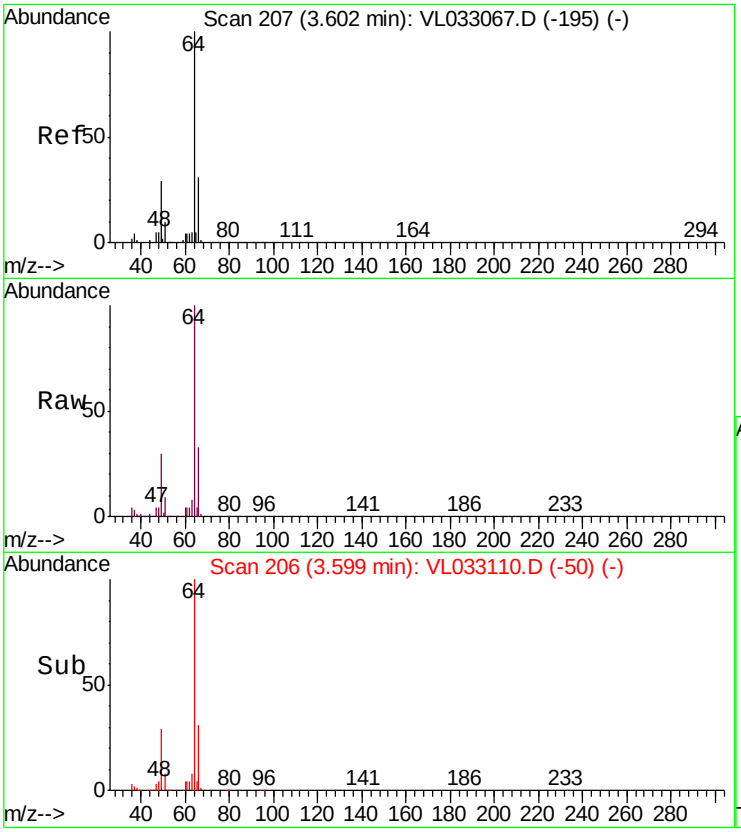


#6
Bromomethane
Concen: 9.805 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 94 Resp: 483751

Ion	Ratio	Lower	Upper
94	100		
96	93.7	72.8	109.2



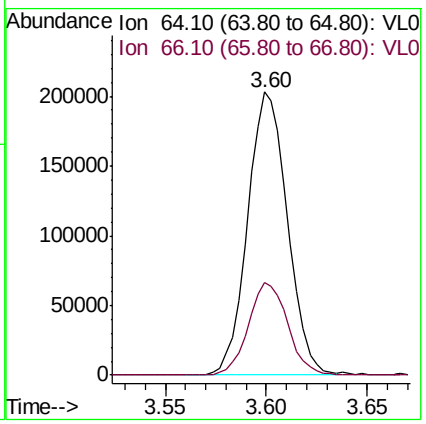


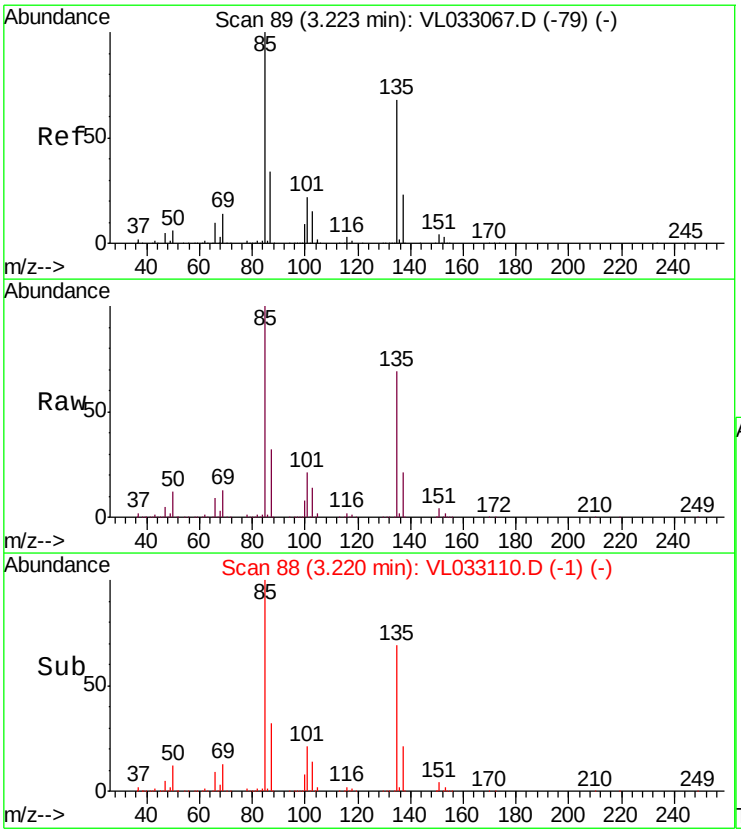
#7
Chloroethane
Concen: 9.869 ppbv
RT: 3.60 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 64 Resp: 280274

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.7	35.5

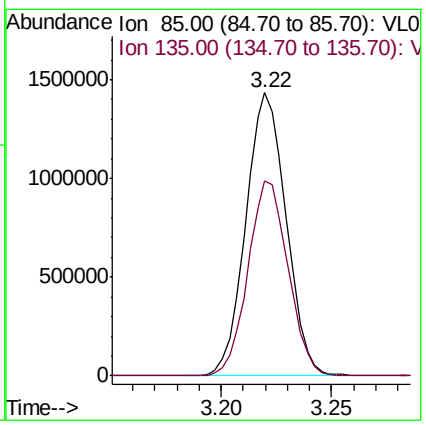


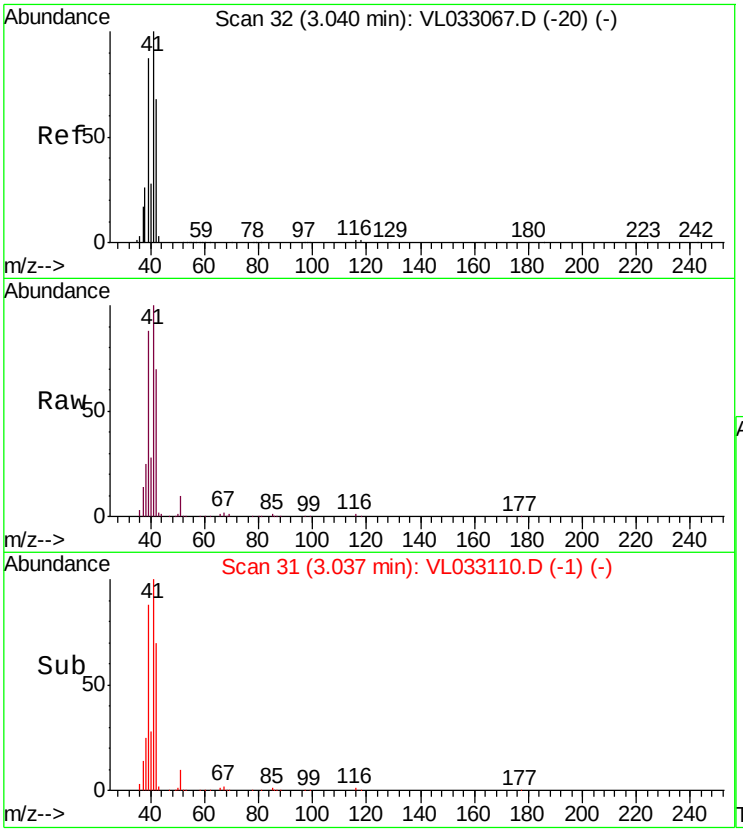


#8
Dichlorotetrafluoroethane
Concen: 10.186 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 85 Resp: 1811065

Ion	Ratio	Lower	Upper
85	100		
135	69.1	54.9	82.3



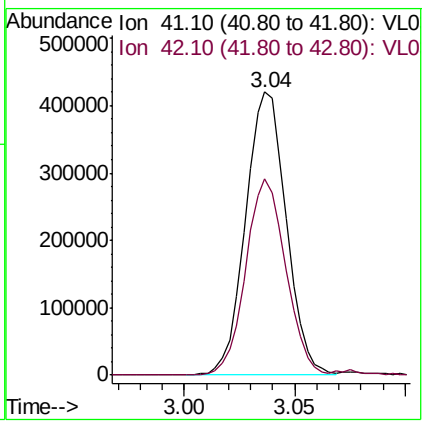


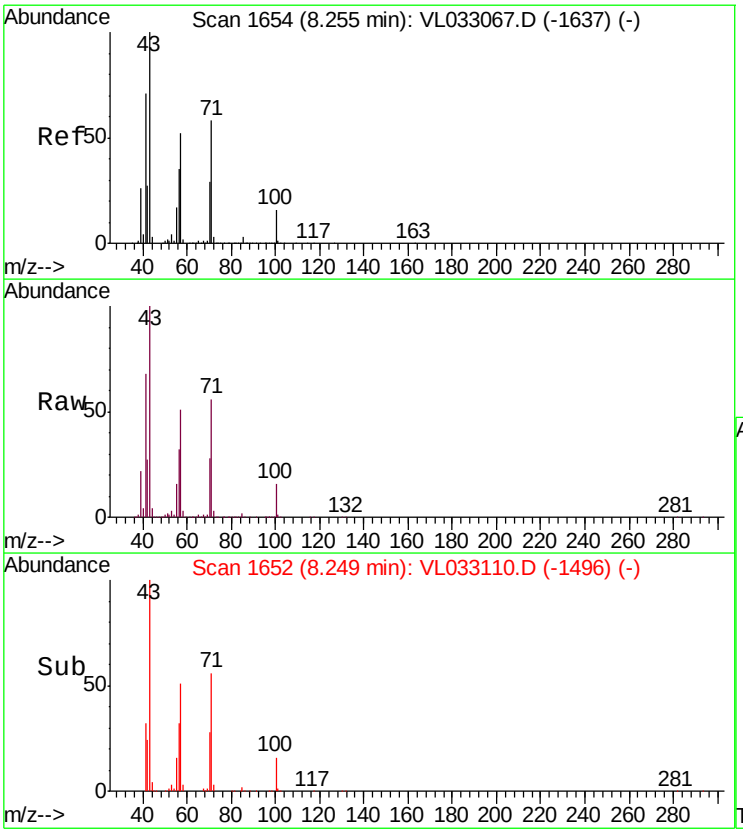
#9
Propene
Concen: 11.480 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion: 41 Resp: 538408

Ion	Ratio	Lower	Upper
41	100		
42	69.4	55.3	82.9

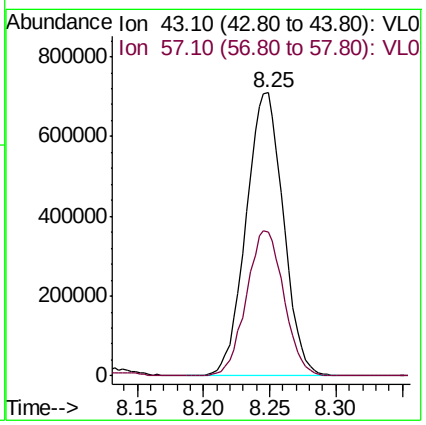


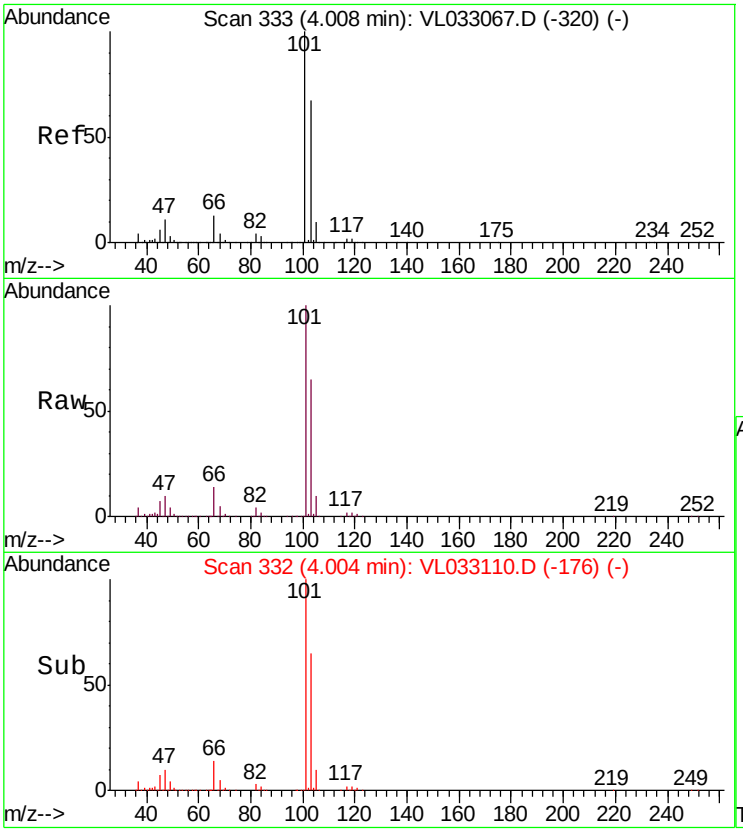


#10
Heptane
Concen: 10.402 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 43 Resp: 1389043

Ion	Ratio	Lower	Upper
43	100		
57	51.8	41.9	62.9



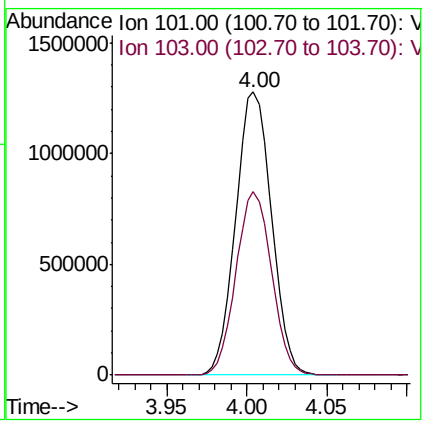


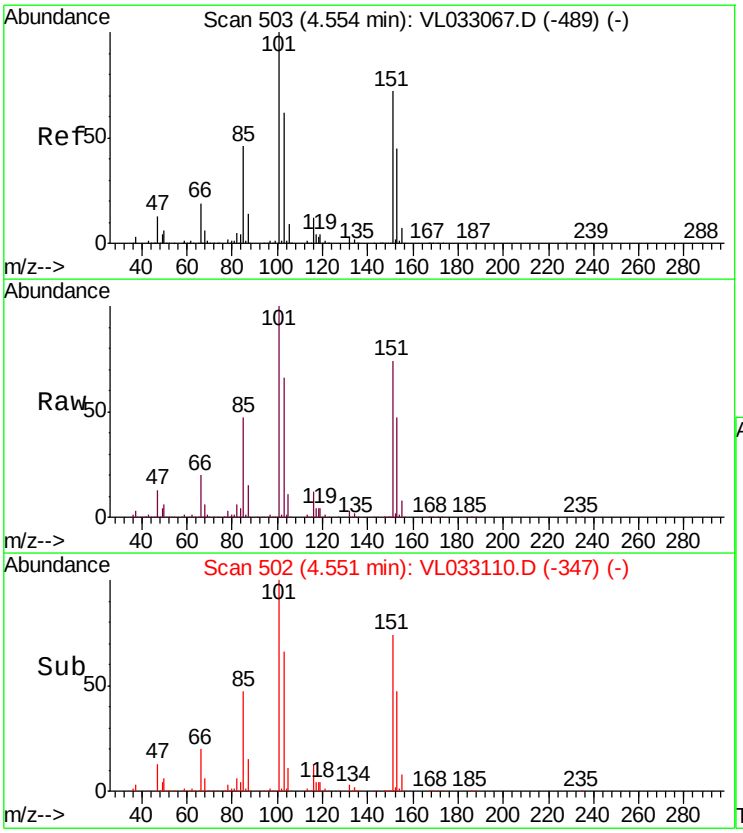
#11
Trichlorofluoromethane
Concen: 8.536 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion:101 Resp: 1946950

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.7	77.5

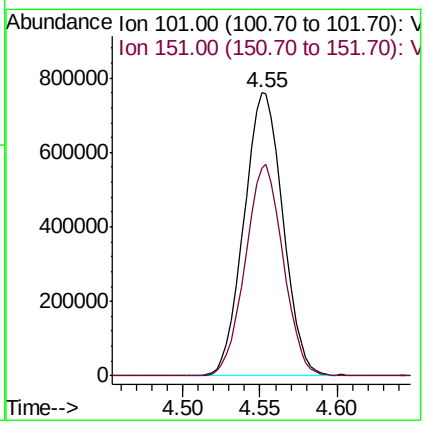


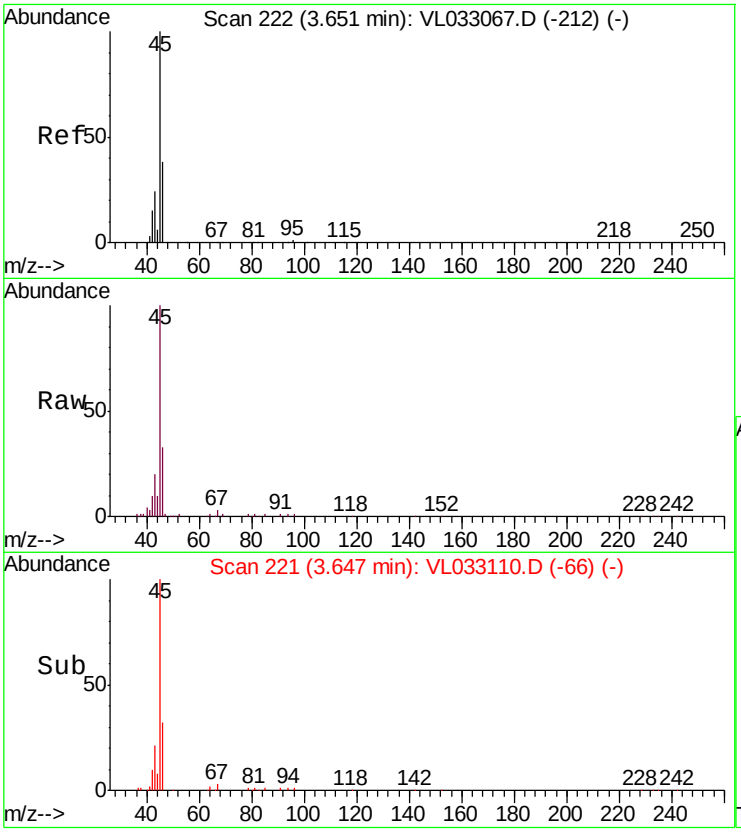


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.255 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:101 Resp: 1334752

Ion	Ratio	Lower	Upper
101	100		
151	72.8	58.3	87.5



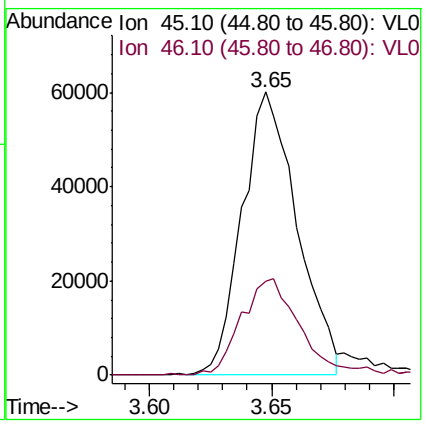


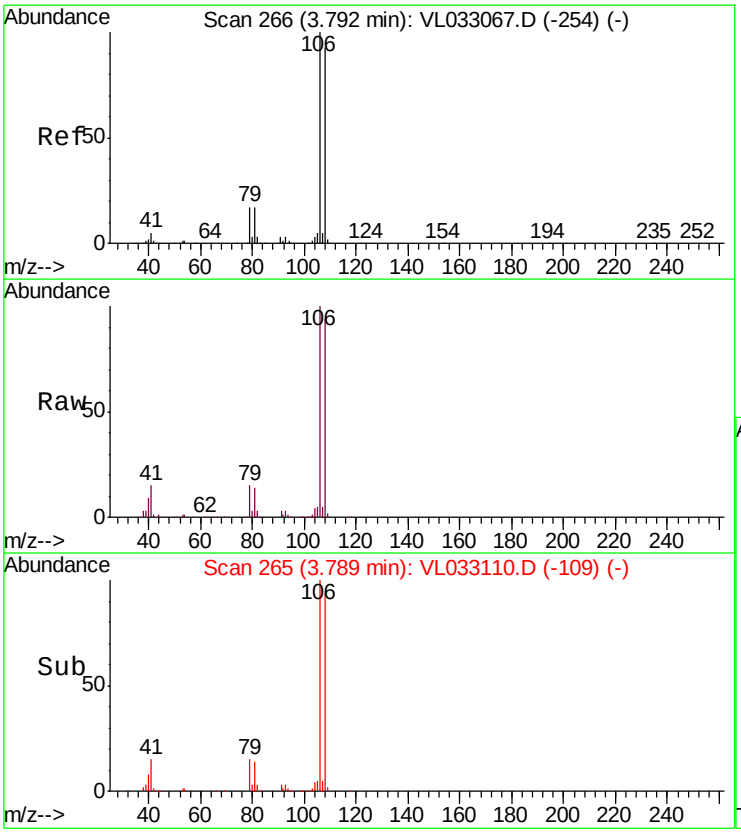
#13
Ethanol
Concen: 5.031 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion: 45 Resp: 94097

Ion	Ratio	Lower	Upper
45	100		
46	37.4	13.8	55.2

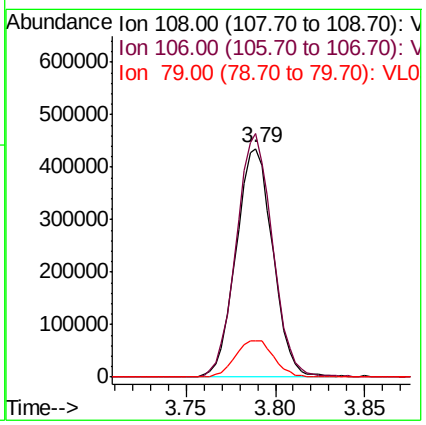


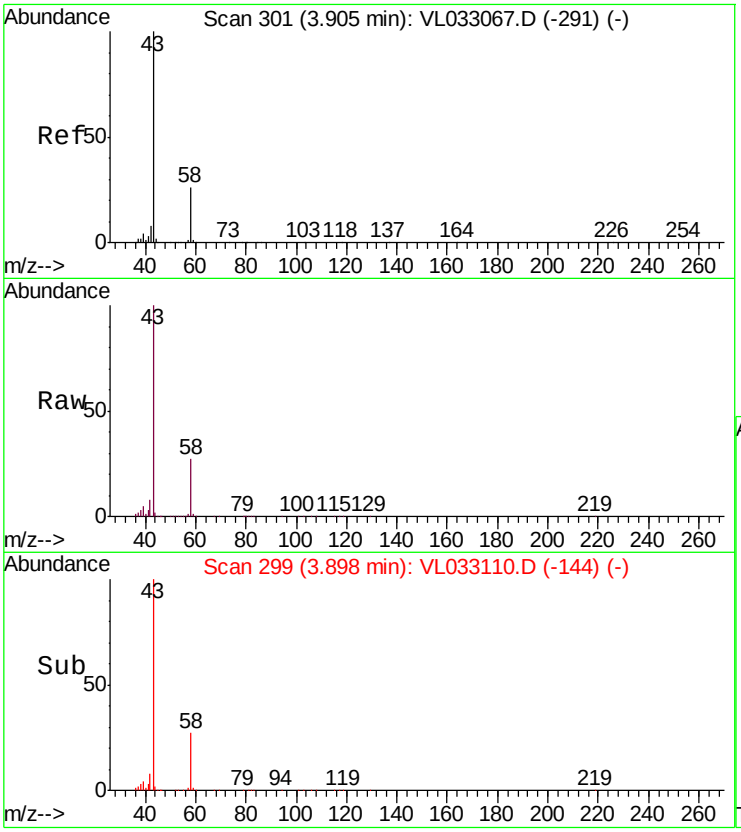


#14
Bromoethene
Concen: 9.780 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:108 Resp: 622935

Ion	Ratio	Lower	Upper
108	100		
106	105.7	86.4	129.6
79	17.0	14.3	21.5



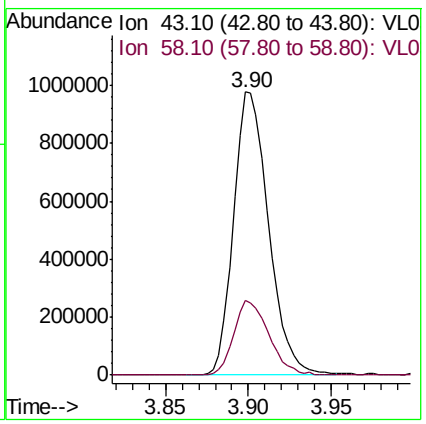


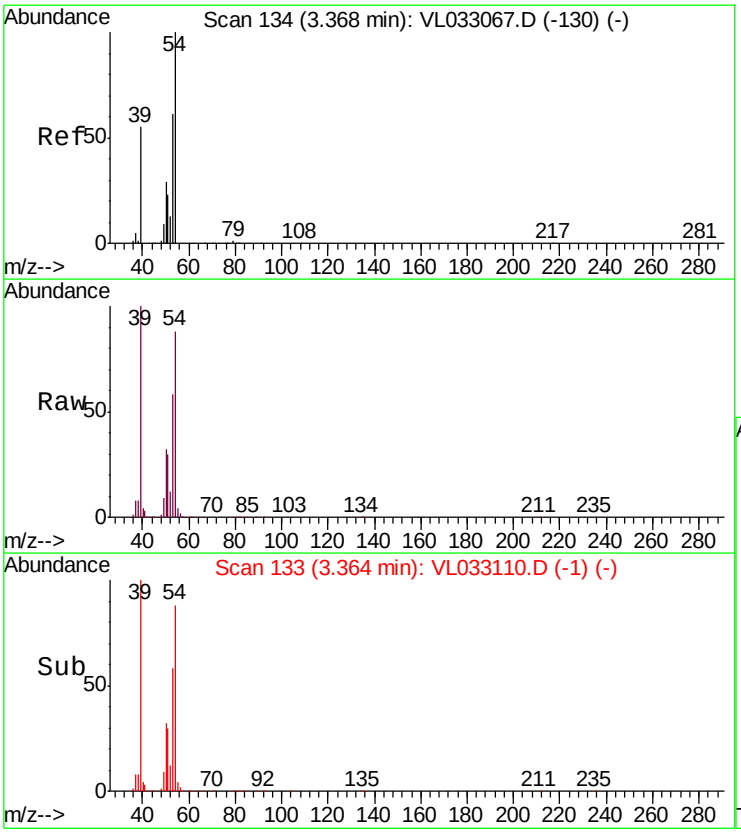
#15
Acetone
Concen: 9.342 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion: 43 Resp: 1434119

Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.1	31.7

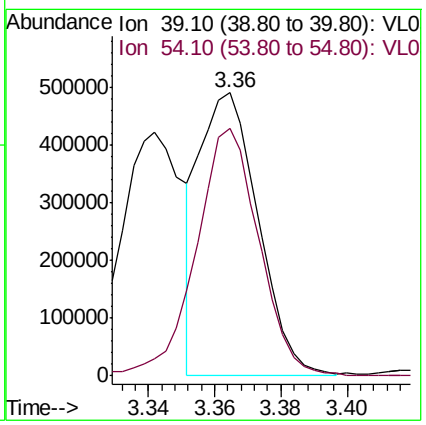


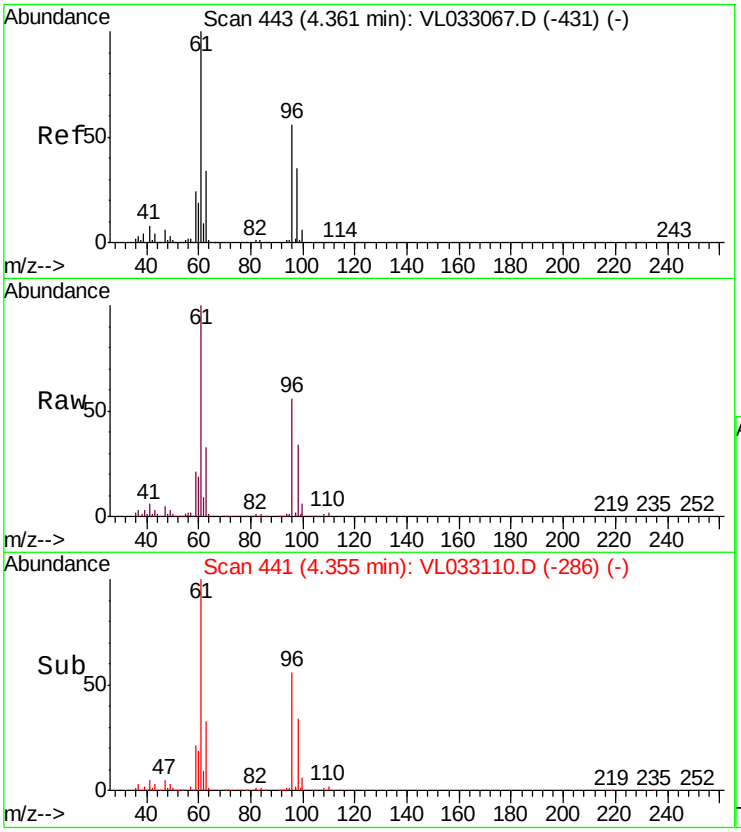


#16
1,3-Butadiene
Concen: 10.318 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 39 Resp: 597305

Ion	Ratio	Lower	Upper
39	100		
54	95.0	73.7	110.5



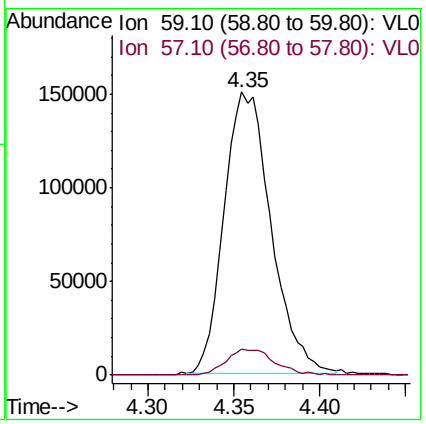


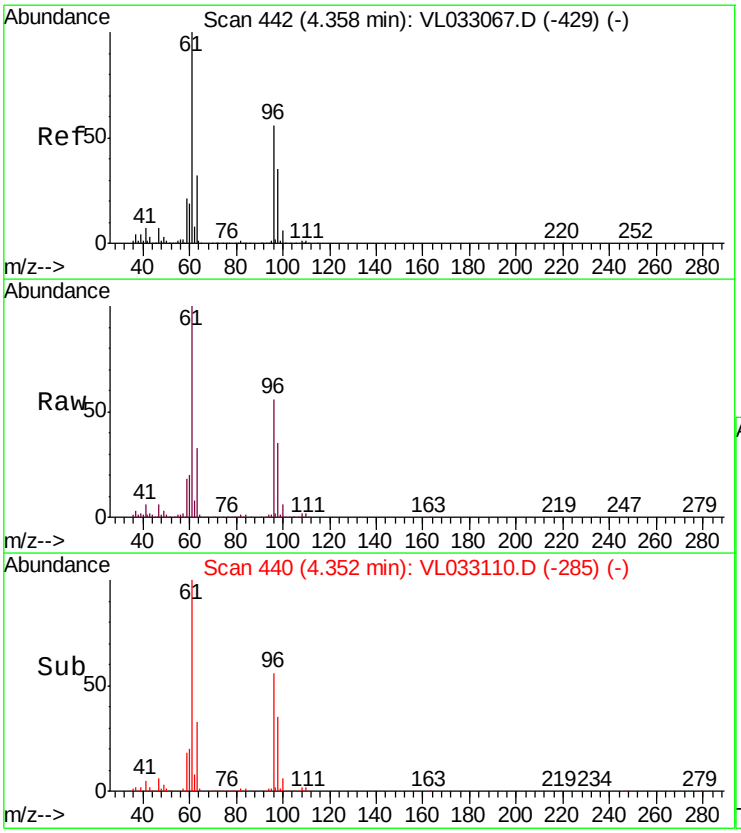
#17
tert-Butyl alcohol
Concen: 8.794 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 59 Resp: 285970

Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.7	11.5

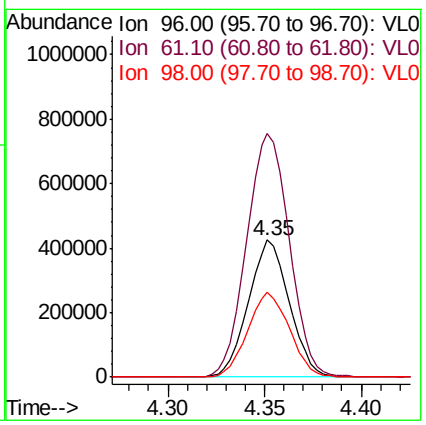


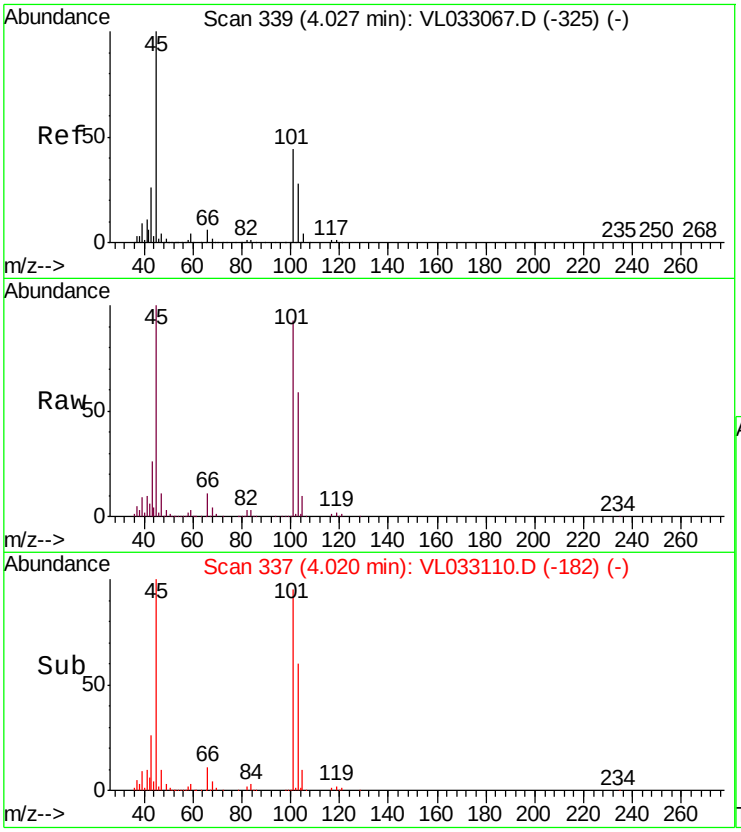


#18
1,1-Dichloroethene
Concen: 9.398 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 96 Resp: 624297

Ion	Ratio	Lower	Upper
96	100		
61	177.4	143.7	215.5
98	61.9	52.1	78.1



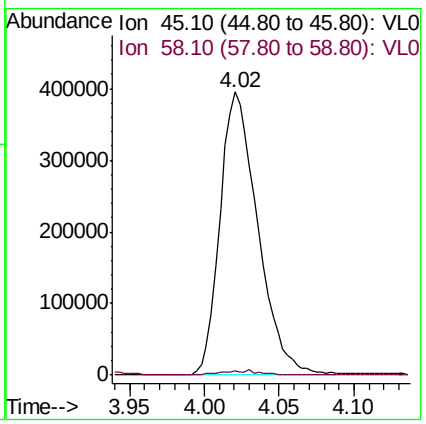


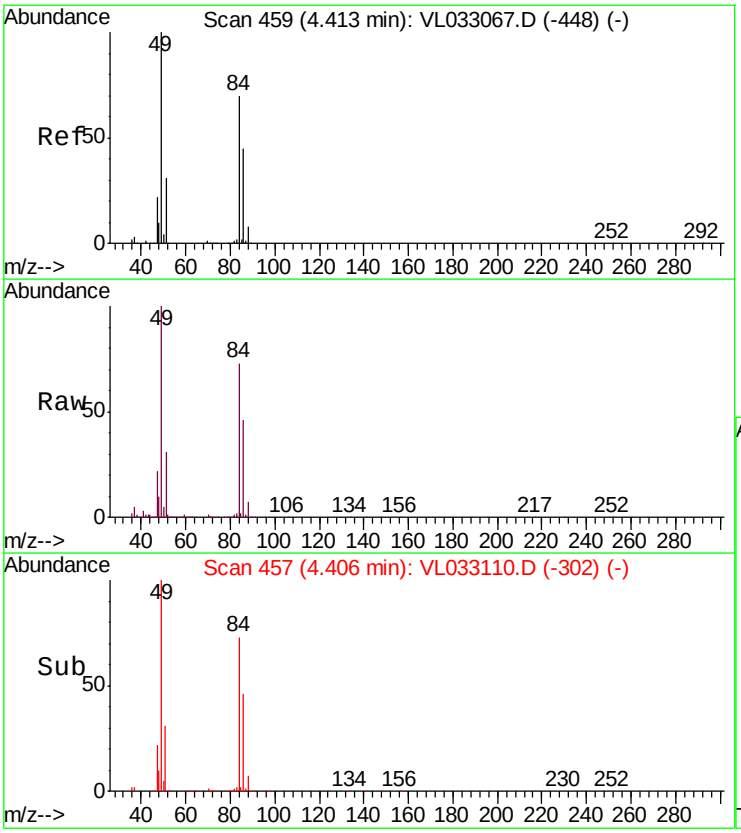
#19
Isopropyl Alcohol
Concen: 6.573 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 45 Resp: 694645

Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.4	2.2

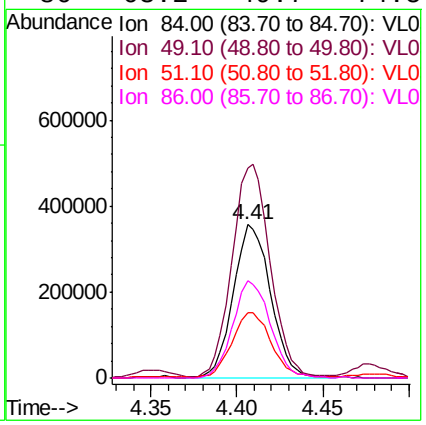


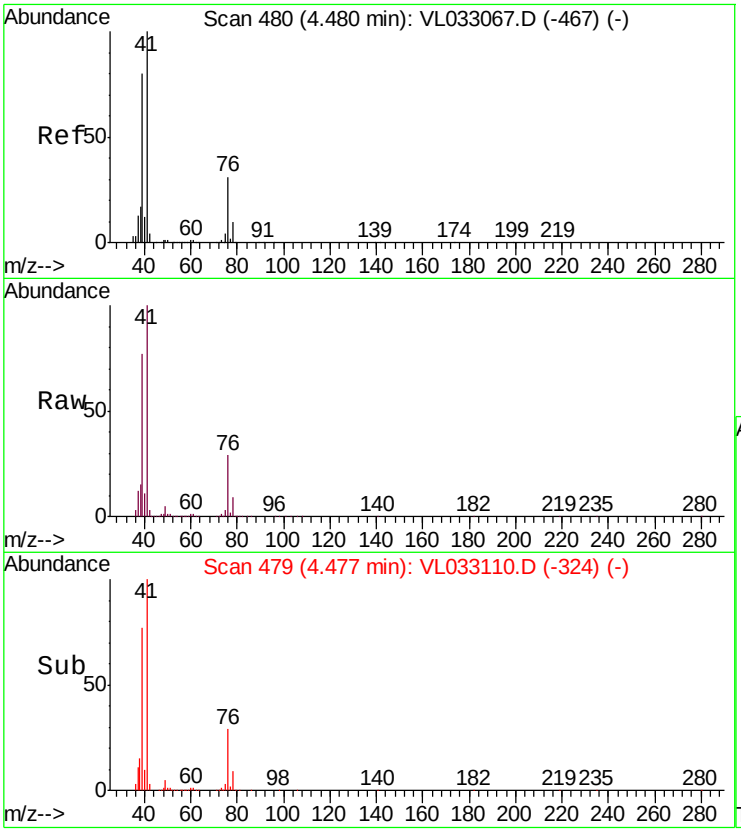


#20
Methylene Chloride
Concen: 8.410 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 84 Resp: 538216

Ion	Ratio	Lower	Upper
84	100		
49	136.4	115.8	173.6
51	42.3	35.7	53.5
86	63.2	49.7	74.5



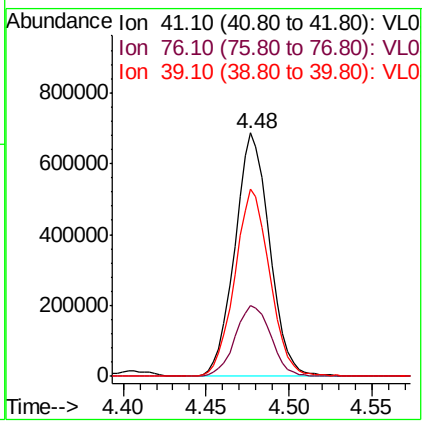


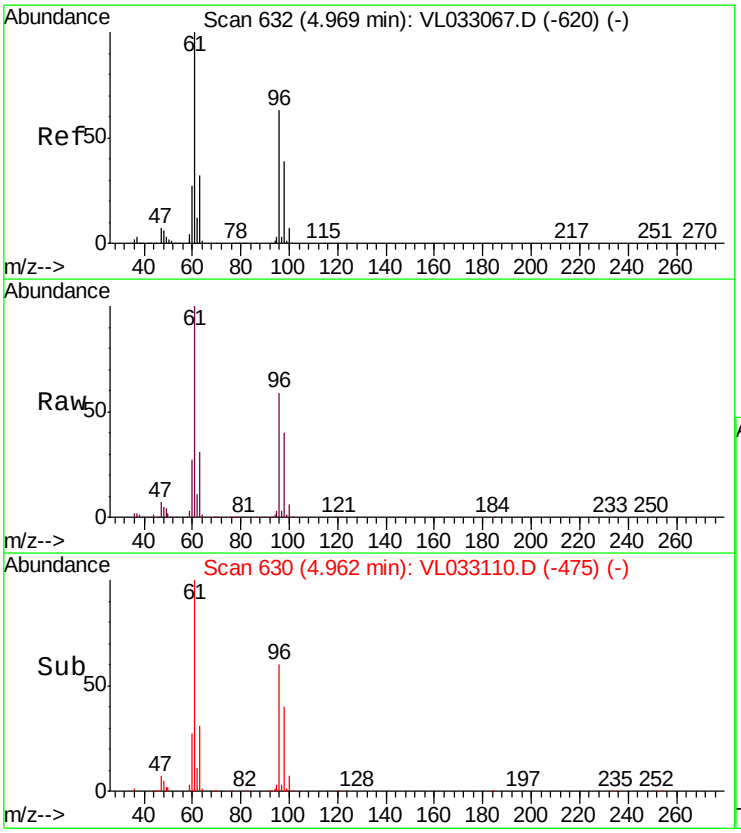
#21
Allyl Chloride
Concen: 10.481 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion: 41 Resp: 997092

Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.6	36.8
39	77.6	62.8	94.2

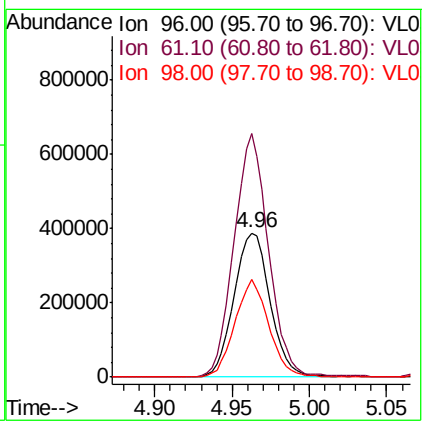


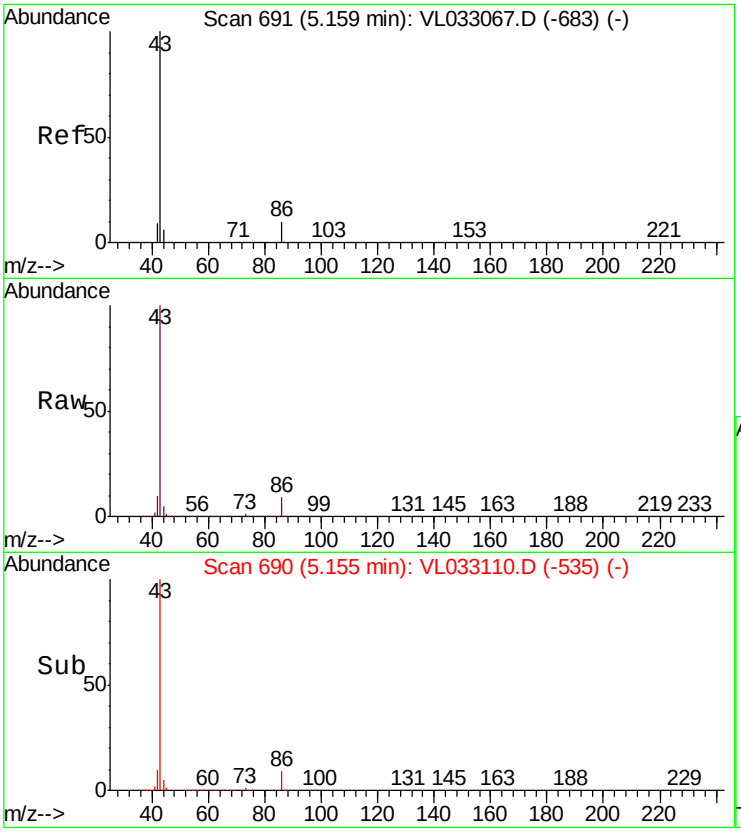


#22
trans-1,2-Dichloroethene
Concen: 9.599 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 96 Resp: 632118

Ion	Ratio	Lower	Upper
96	100		
61	168.6	125.2	187.8
98	67.7	50.9	76.3



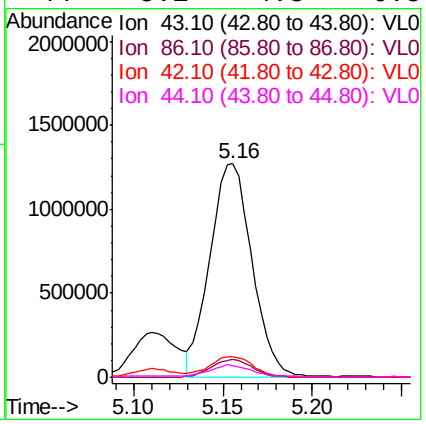


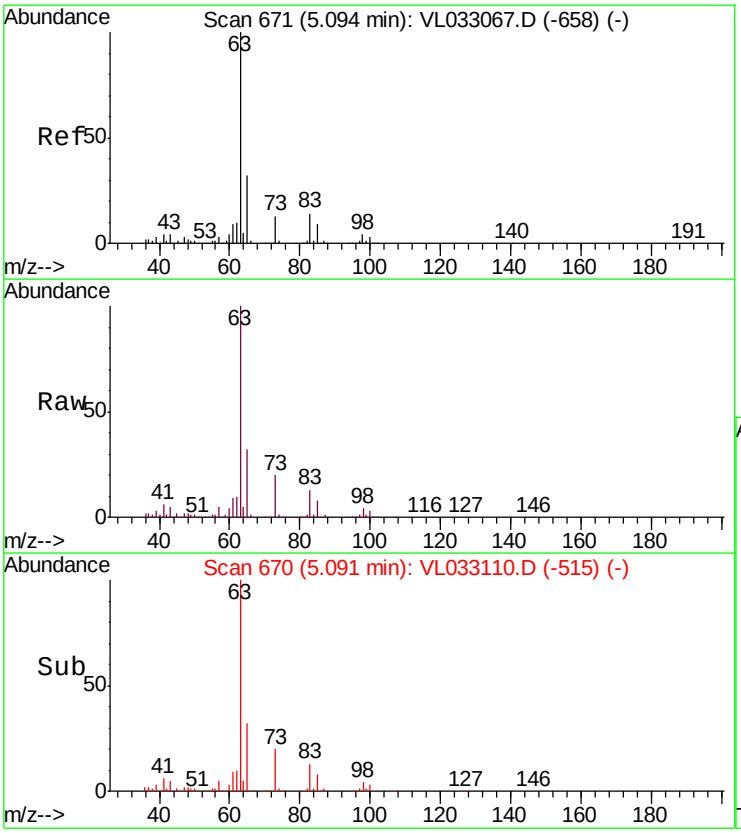
#23
Vinyl Acetate
Concen: 10.648 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion: 43 Resp: 2079511

Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.2	9.4
42	9.7	8.1	12.1
44	5.1	4.3	6.5

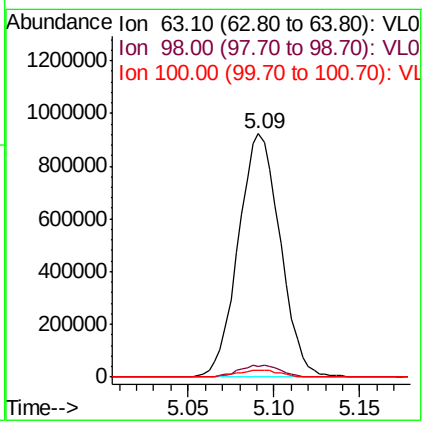


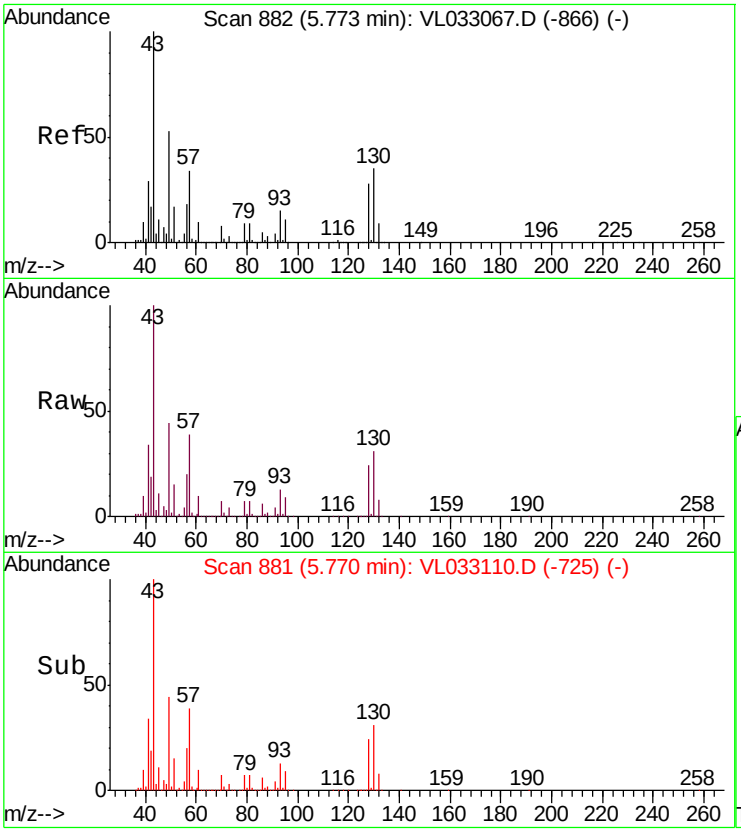


#24
1,1-Dichloroethane
Concen: 9.362 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 63 Resp: 1552446

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.4	7.2
100	3.0	1.4	4.0



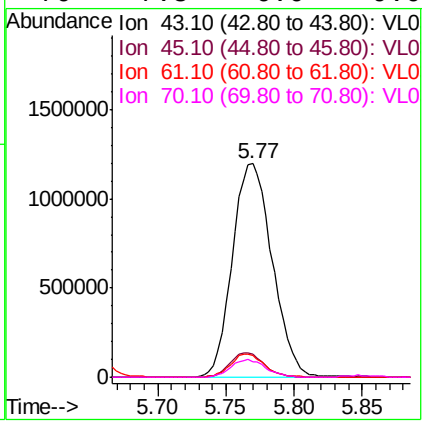


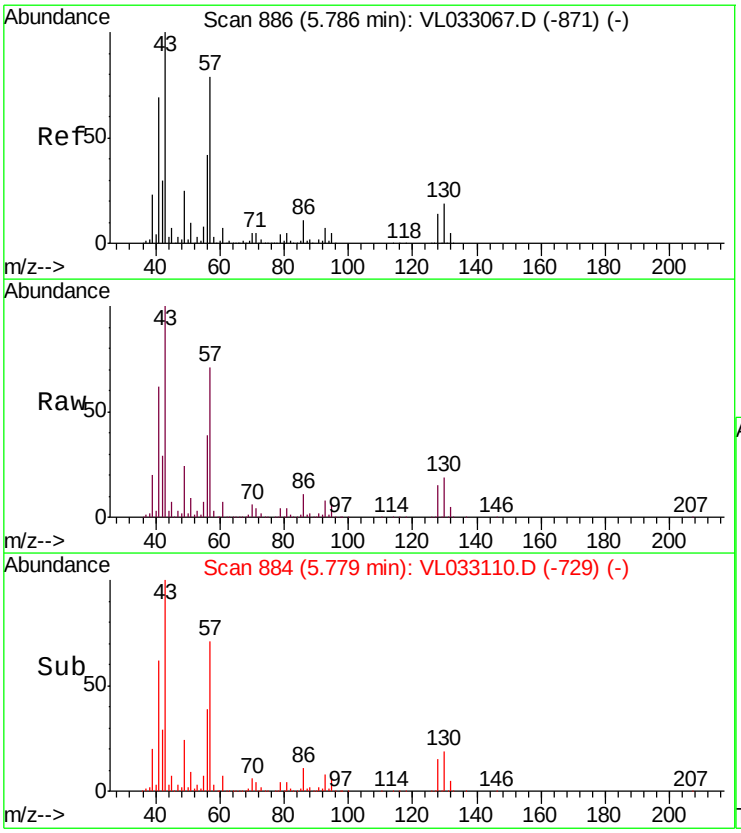
#25
Ethyl Acetate
Concen: 9.353 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion: 43 Resp: 2427078

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.6	7.8	11.8
70	7.3	6.0	9.0

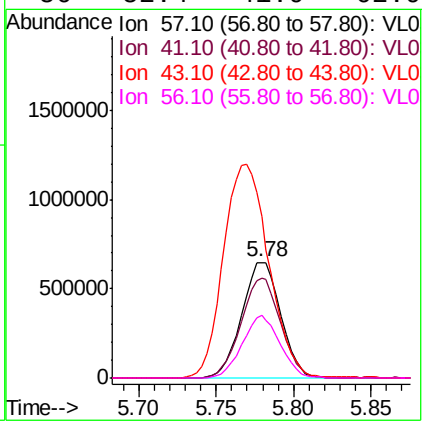


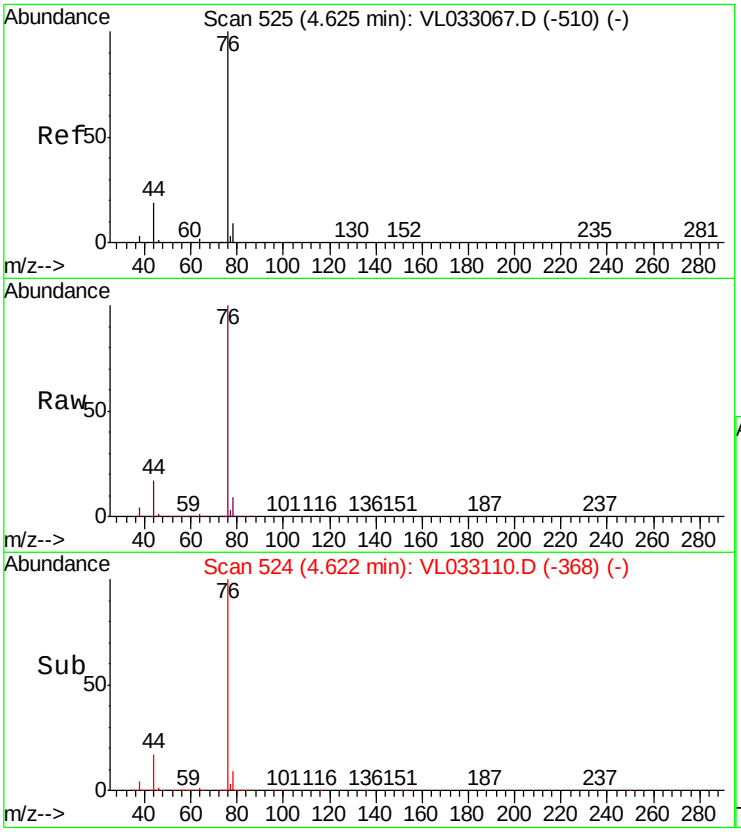


#26
Hexane
Concen: 9.289 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 57 Resp: 1134976

Ion	Ratio	Lower	Upper
57	100		
41	87.6	70.8	106.2
43	214.8	171.8	257.6
56	52.4	41.9	62.9



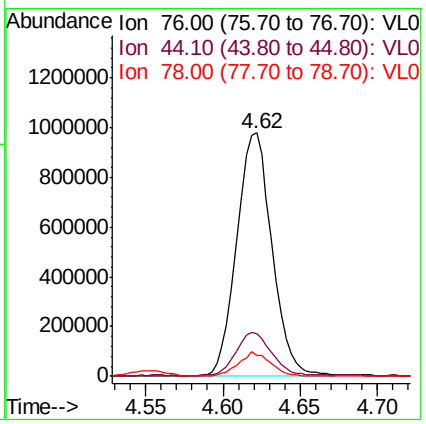


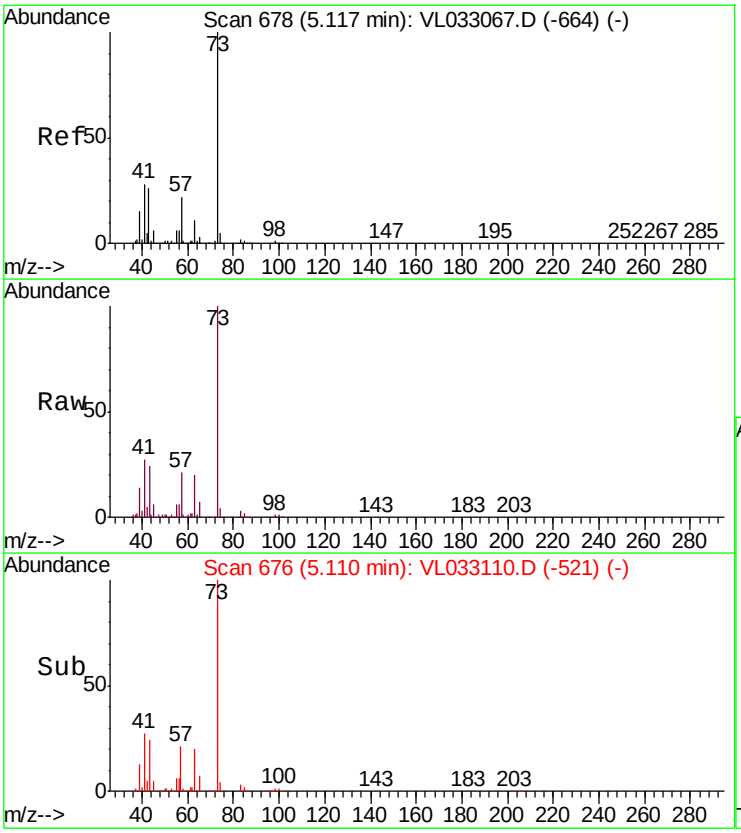
#27
Carbon Disulfide
Concen: 10.328 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion: 76 Resp: 1556362

Ion	Ratio	Lower	Upper
76	100		
44	18.5	13.9	20.9
78	9.1	7.3	10.9

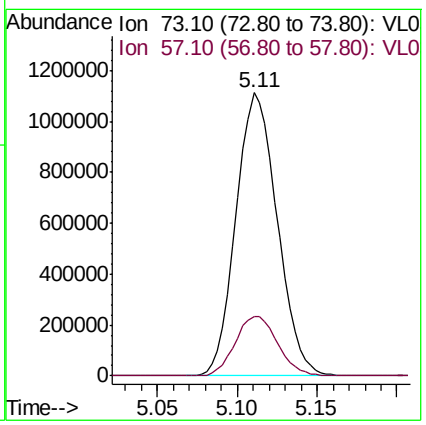


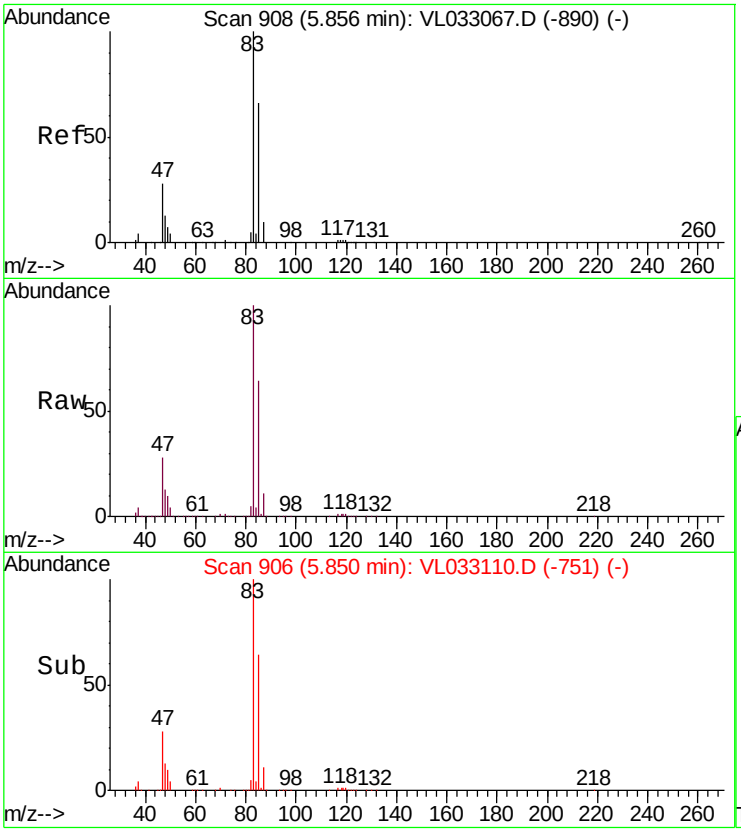


#28
Methyl tert-Butyl Ether
Concen: 10.236 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 73 Resp: 1952265

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.5	26.3



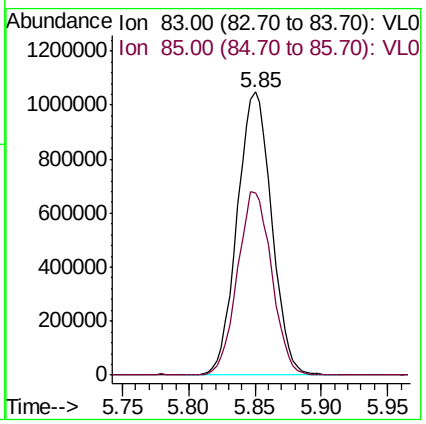


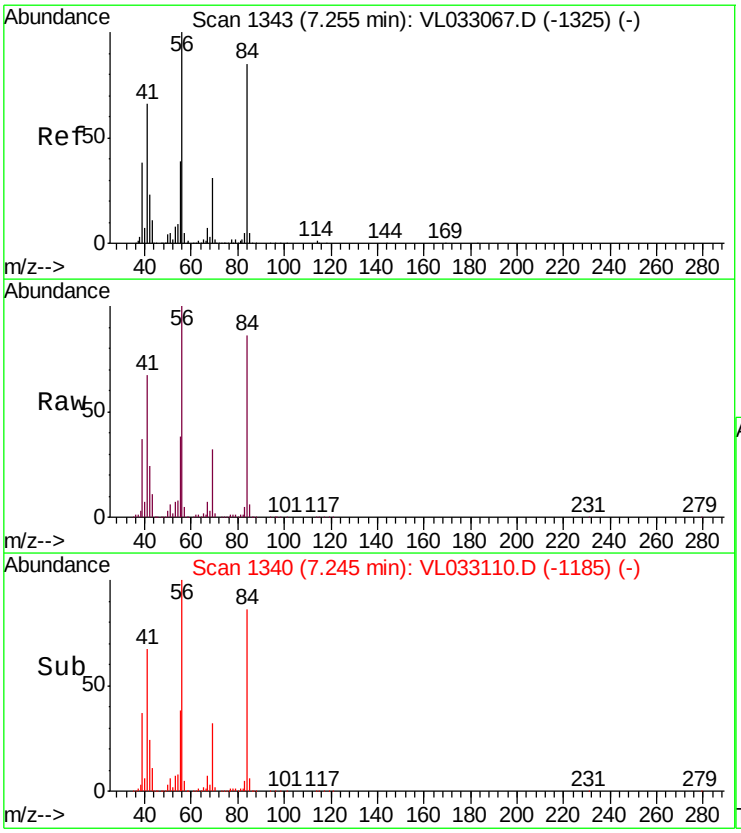
#29
Chloroform
Concen: 9.103 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 83 Resp: 1895370

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7

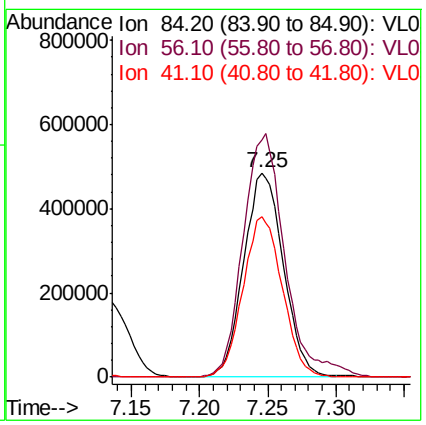


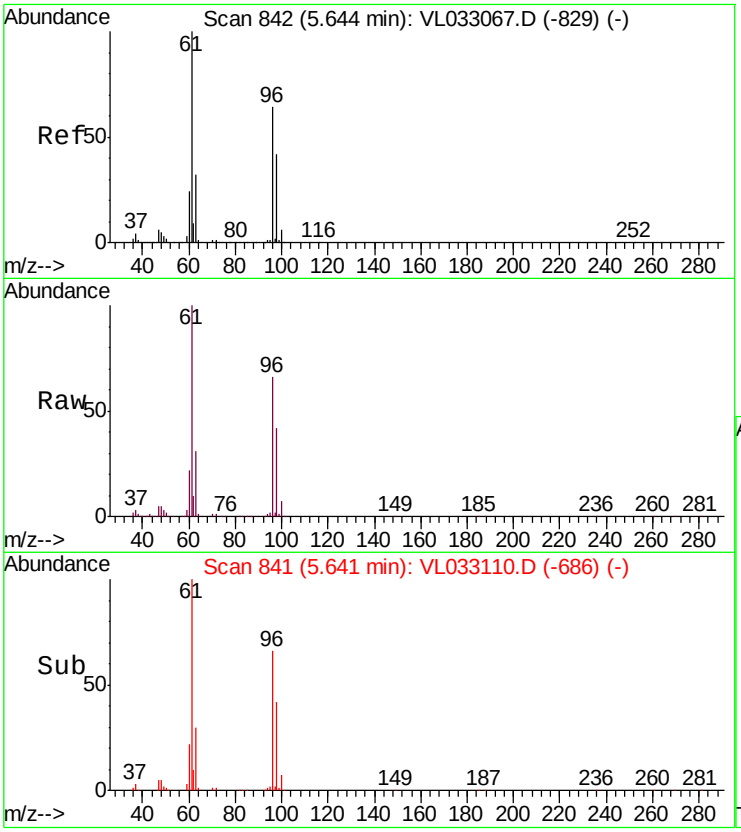


#30
Cyclohexane
Concen: 10.767 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 84 Resp: 980896

Ion	Ratio	Lower	Upper
84	100		
56	125.9	101.8	152.6
41	77.9	63.2	94.8



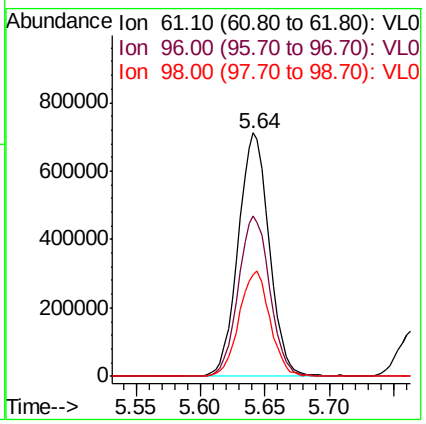


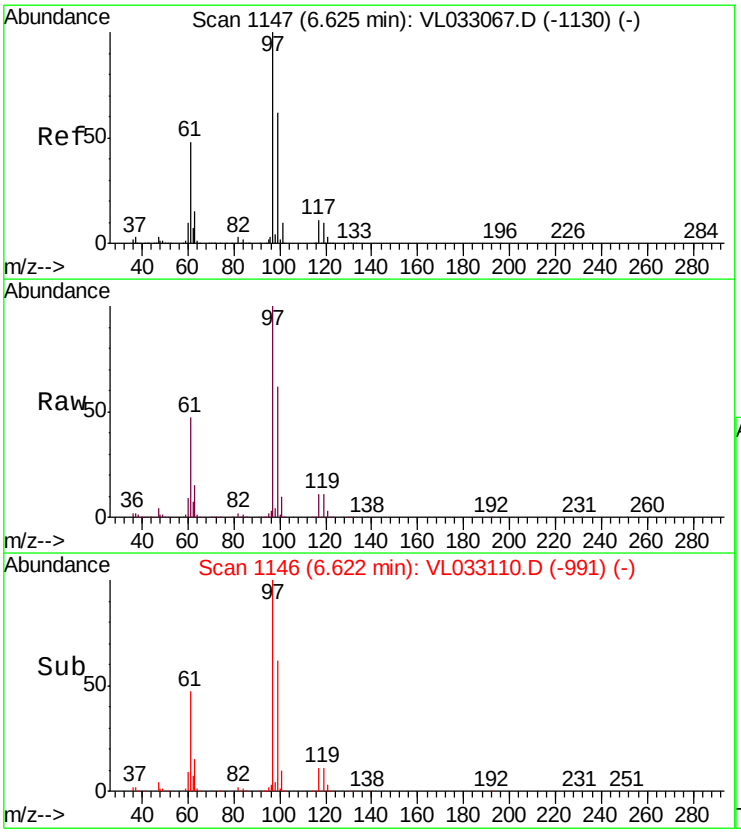
#31
cis-1,2-Dichloroethene
Concen: 10.484 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 61 Resp: 1189484

Ion	Ratio	Lower	Upper
61	100		
96	66.1	52.8	79.2
98	41.9	33.8	50.6

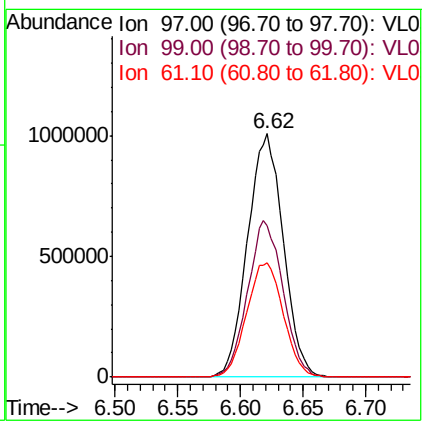


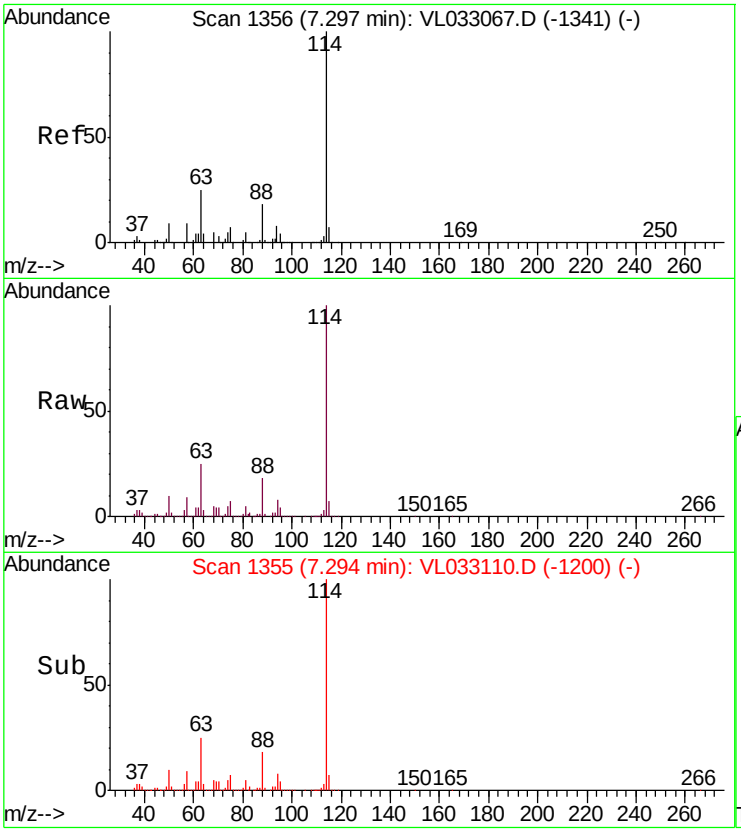


#32
1,1,1-Trichloroethane
Concen: 9.420 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 97 Resp: 1990622

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	48.0	38.3	57.5



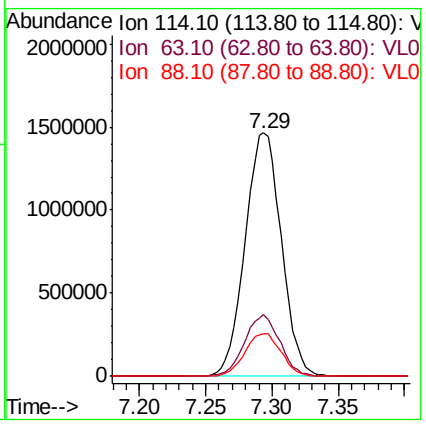


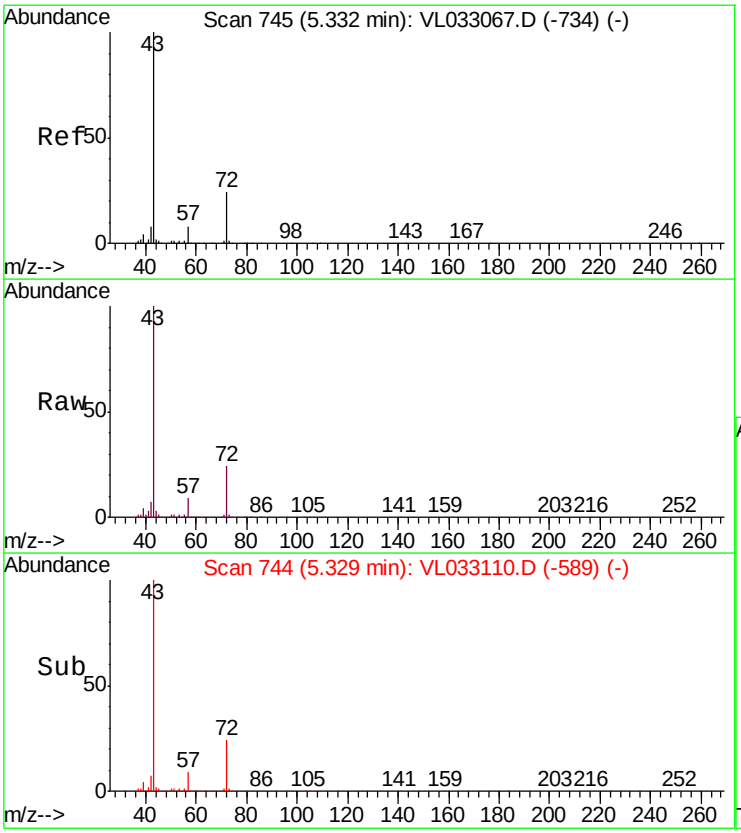
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion:114 Resp: 2791480

Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.1	30.1
88	17.7	14.0	21.0

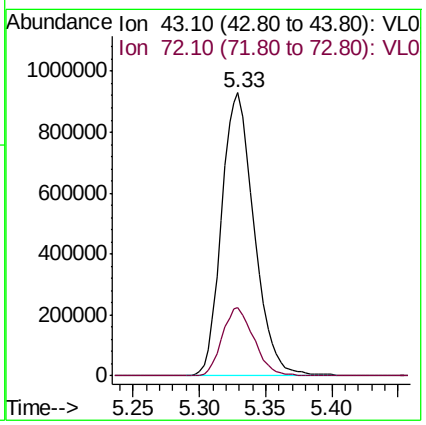


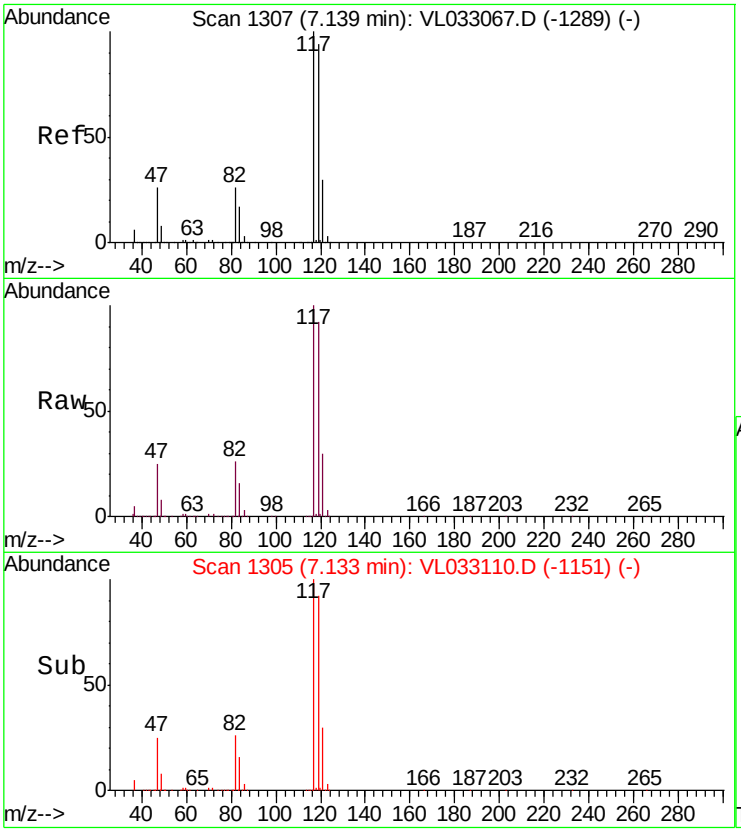


#34
2-Butanone
Concen: 9.751 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 43 Resp: 1581470

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.9	28.3



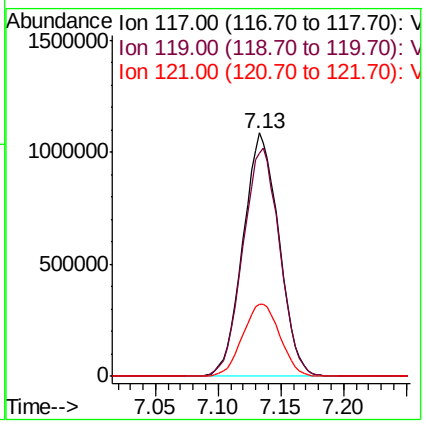


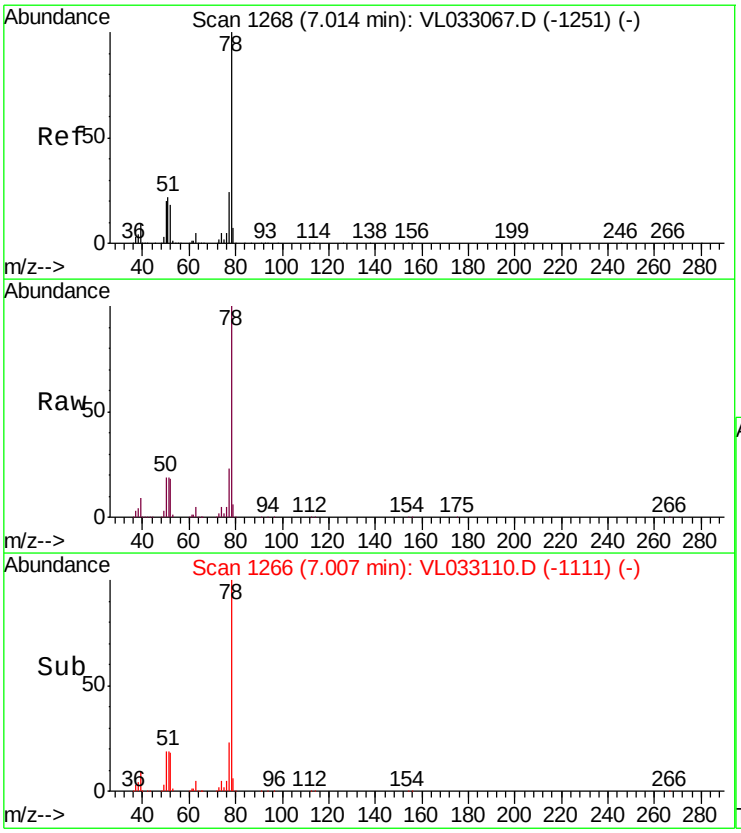
#35
Carbon Tetrachloride
Concen: 9.025 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion:117 Resp: 2164010

Ion	Ratio	Lower	Upper
117	100		
119	91.7	76.5	114.7
121	29.6	25.2	37.8

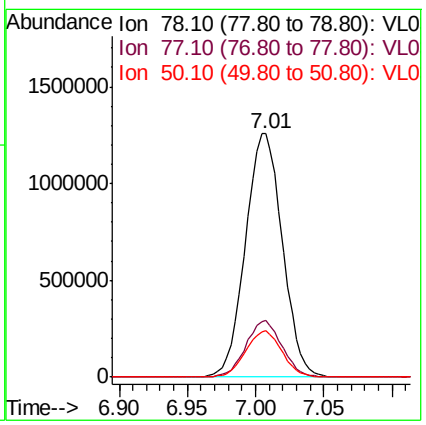


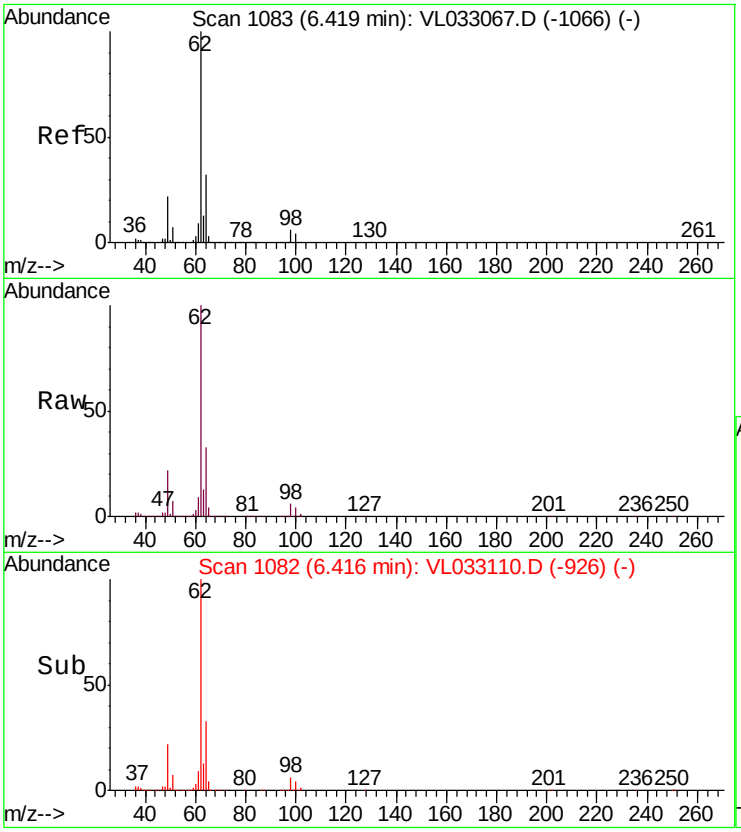


#36
Benzene
Concen: 10.325 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 78 Resp: 2361065

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7
50	19.2	15.7	23.5



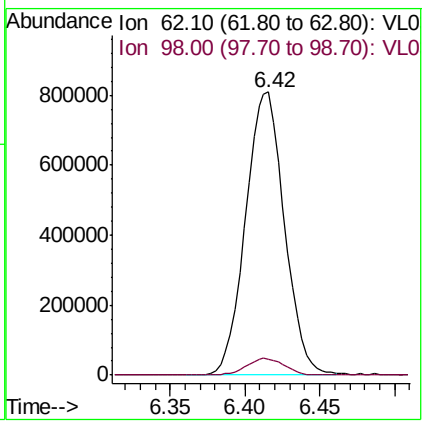


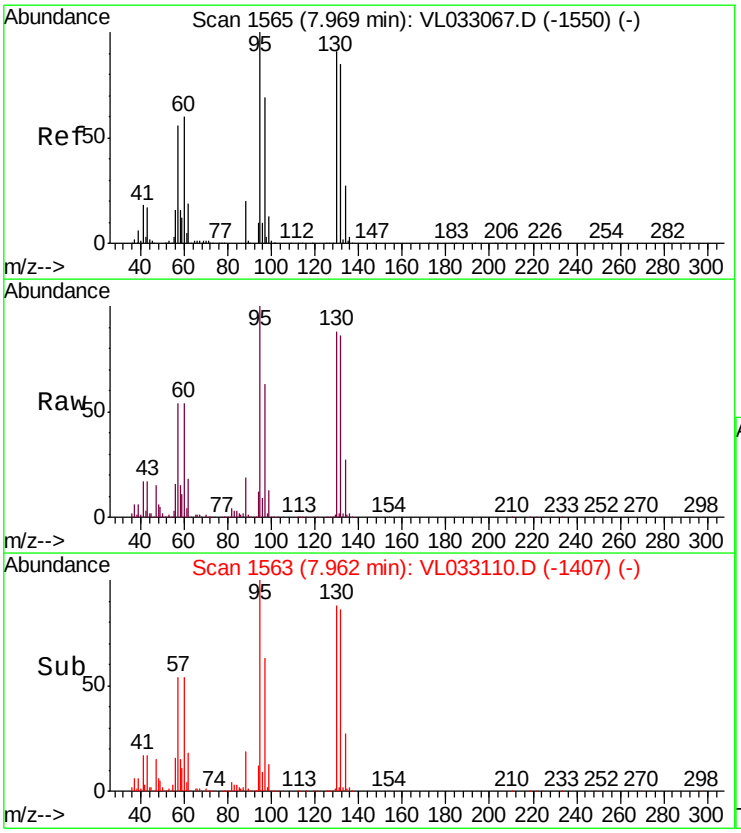
#37
1,2-Dichloroethane
Concen: 9.136 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 62 Resp: 1458554

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.6	7.0

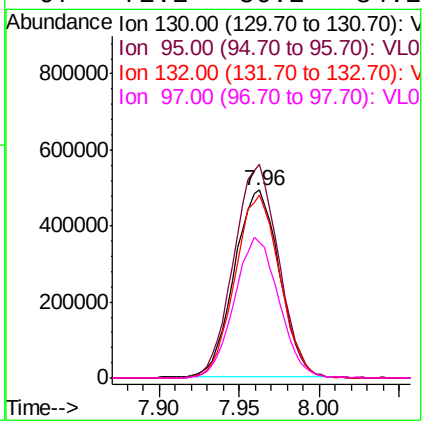


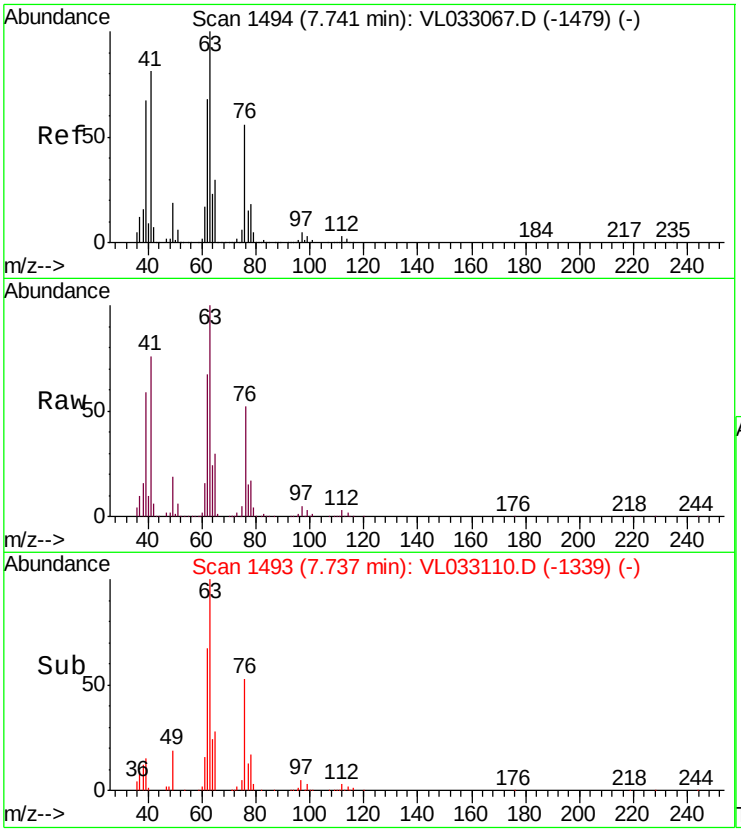


#38
Trichloroethene
Concen: 10.087 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:130 Resp: 948886

Ion	Ratio	Lower	Upper
130	100		
95	113.8	88.6	132.8
132	98.0	74.2	111.2
97	72.2	56.2	84.2



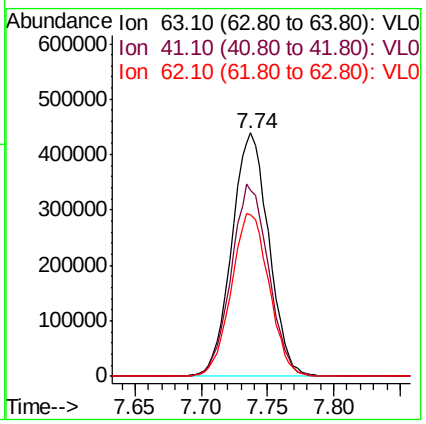


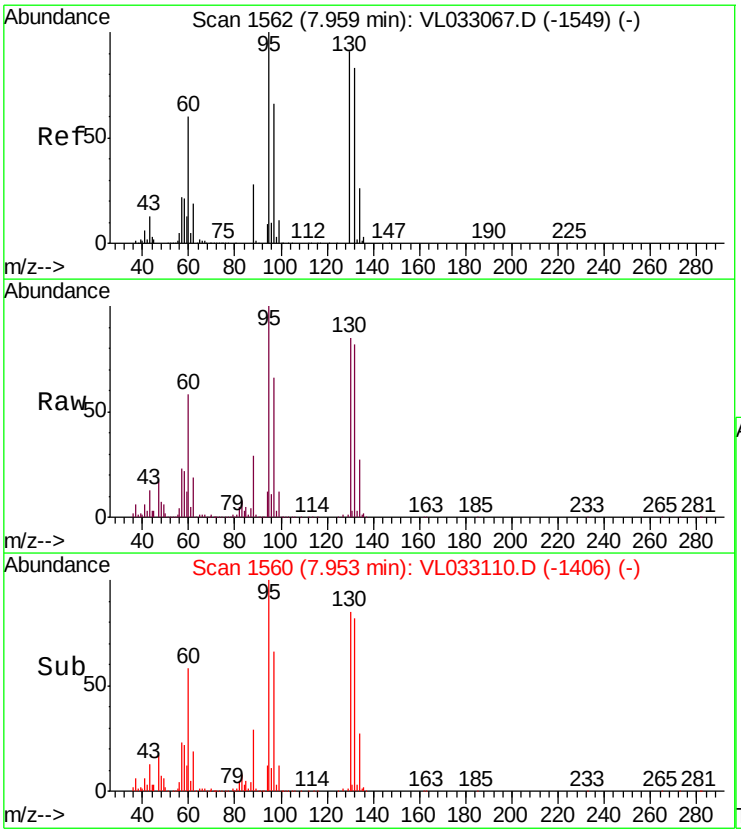
#39
1,2-Dichloropropane
Concen: 9.902 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 63 Resp: 850610

Ion	Ratio	Lower	Upper
63	100		
41	76.3	61.9	92.9
62	66.4	55.8	83.6

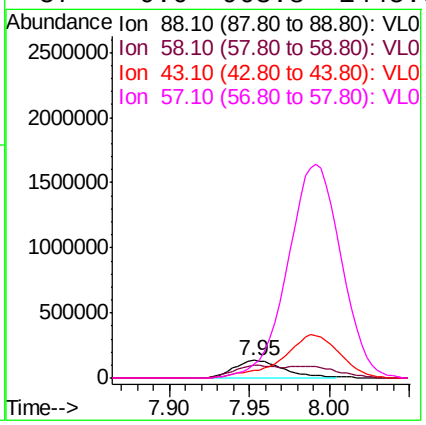


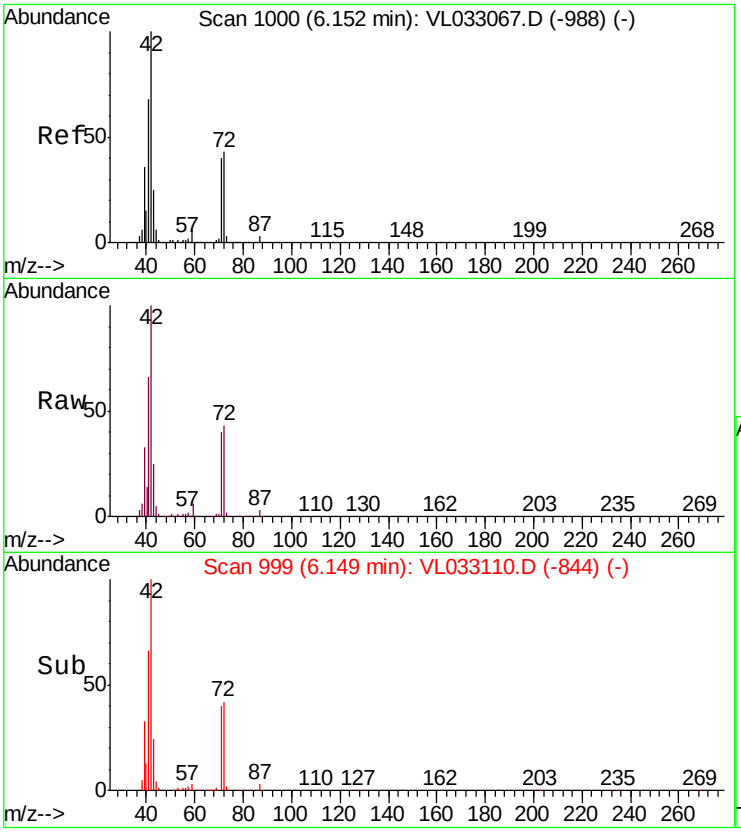


#40
1,4-Dioxane
Concen: 8.732 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 88 Resp: 284745

Ion	Ratio	Lower	Upper
88	100		
58	134.9	101.9	152.9
43	0.0	212.6	319.0#
57	0.0	963.8	1445.6#



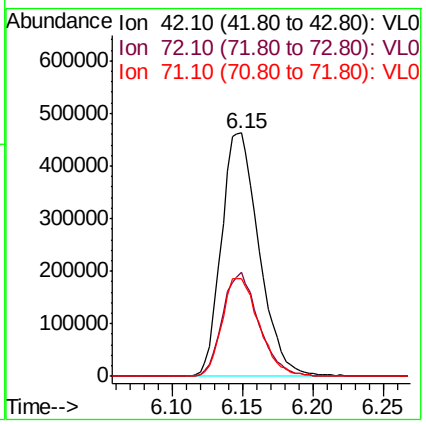


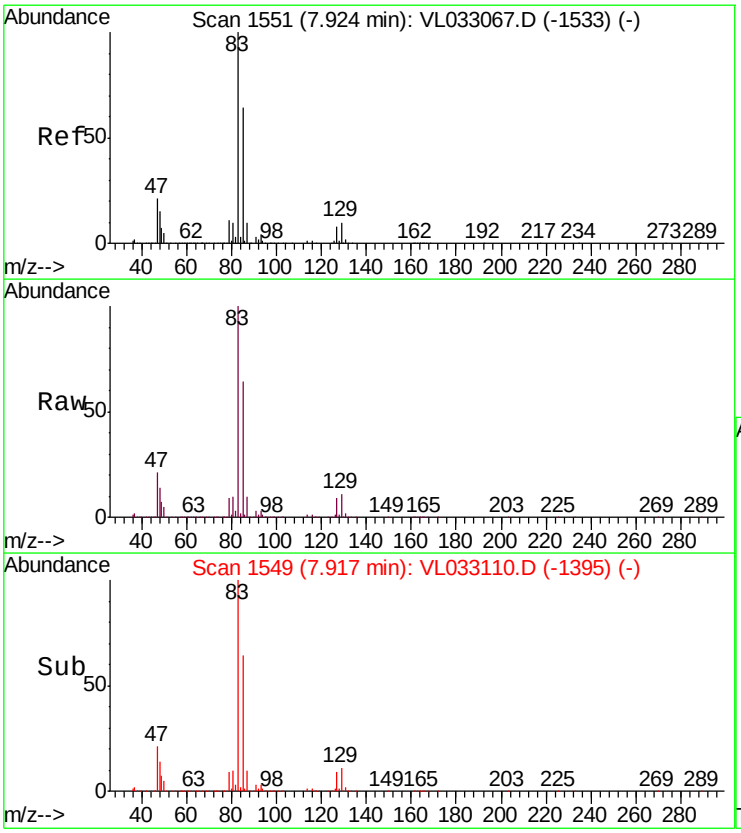
#41
Tetrahydrofuran
Concen: 10.454 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion: 42 Resp: 863036

Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.9	49.3
71	39.9	31.8	47.6

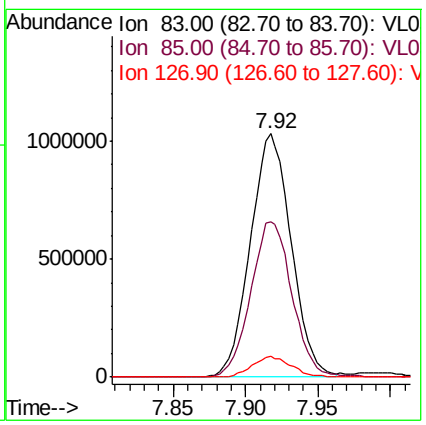


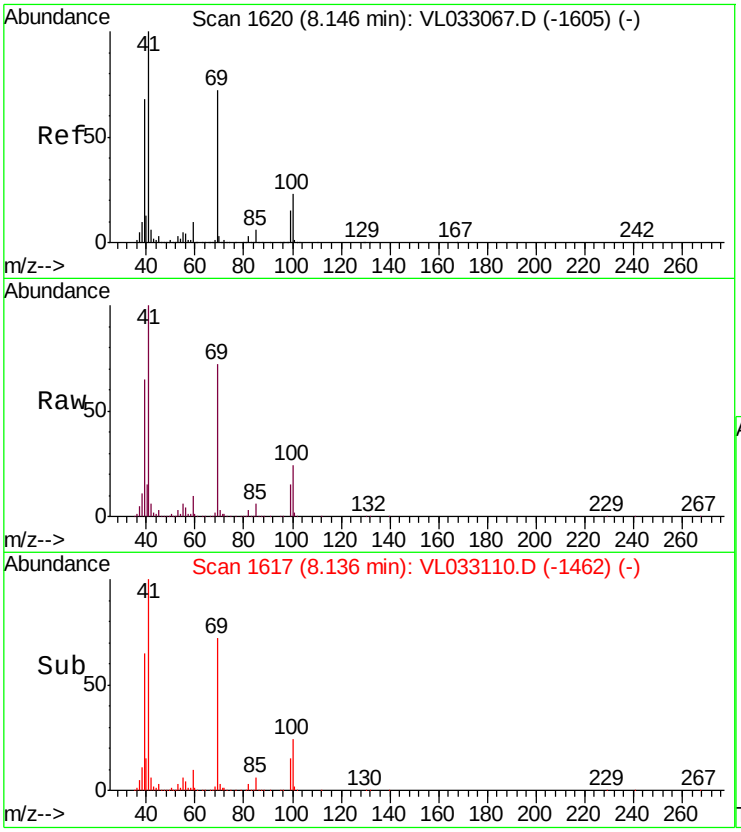


#42
Bromodichloromethane
Concen: 9.229 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 83 Resp: 2024177

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.0	76.4
127	8.6	6.5	9.7



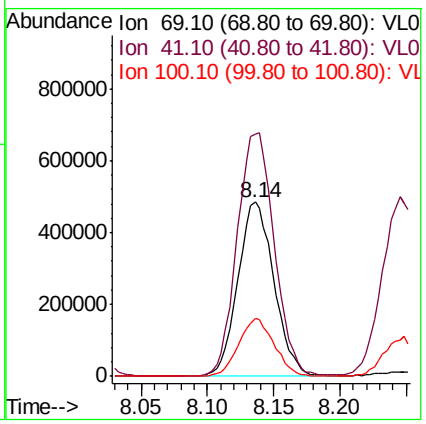


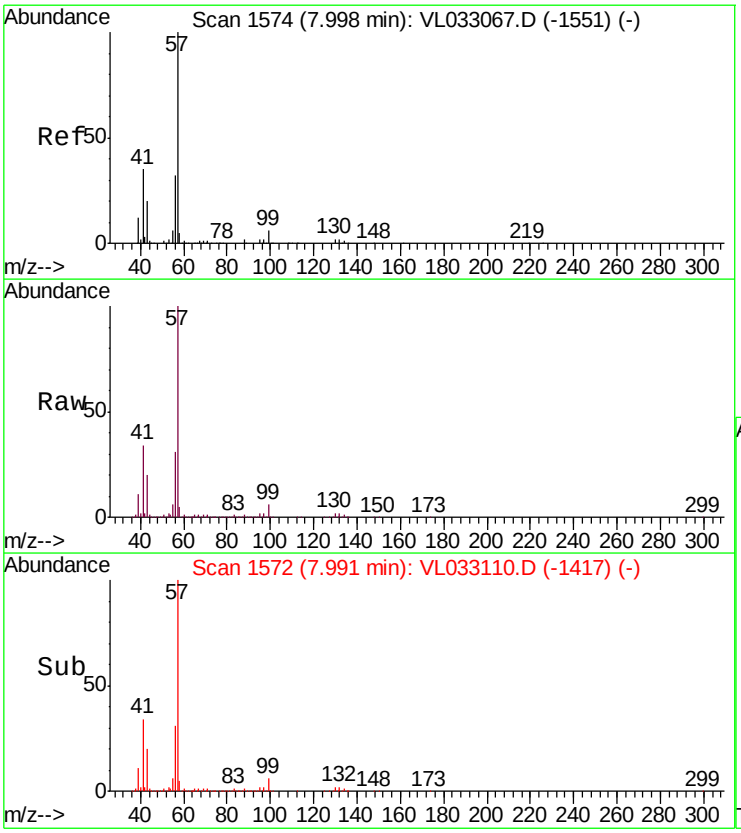
#43
Methyl Methacrylate
Concen: 10.721 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion: 69 Resp: 919849

Ion	Ratio	Lower	Upper
69	100		
41	143.3	114.0	171.0
100	32.6	26.3	39.5

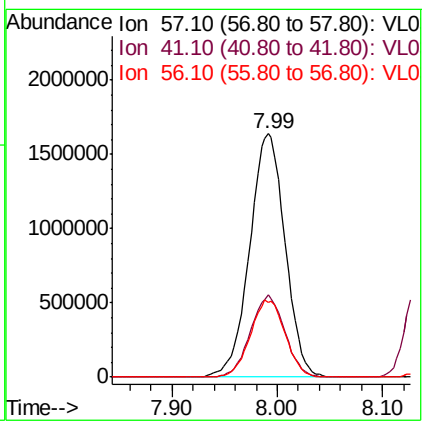


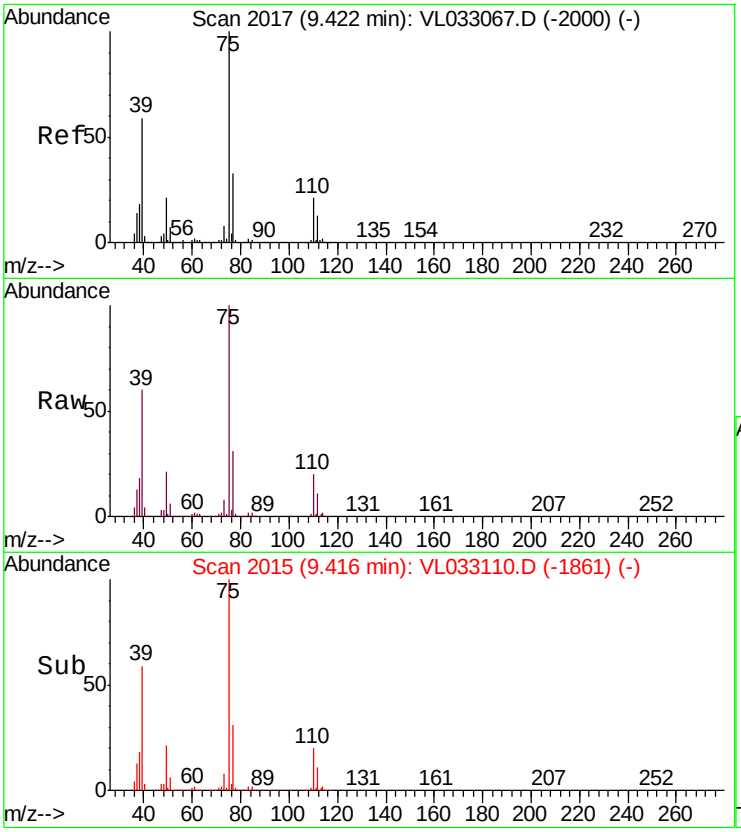


#44
2,2,4-Trimethylpentane
Concen: 9.883 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 57 Resp: 3827094

Ion	Ratio	Lower	Upper
57	100		
41	32.5	26.2	39.2
56	31.2	24.9	37.3



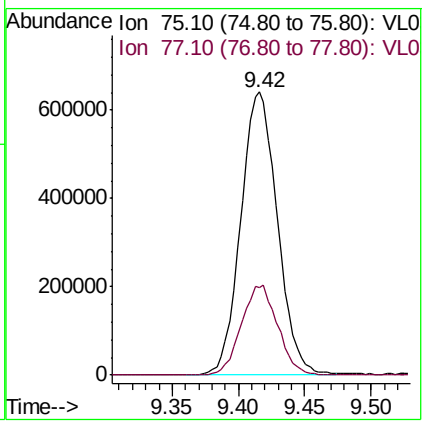


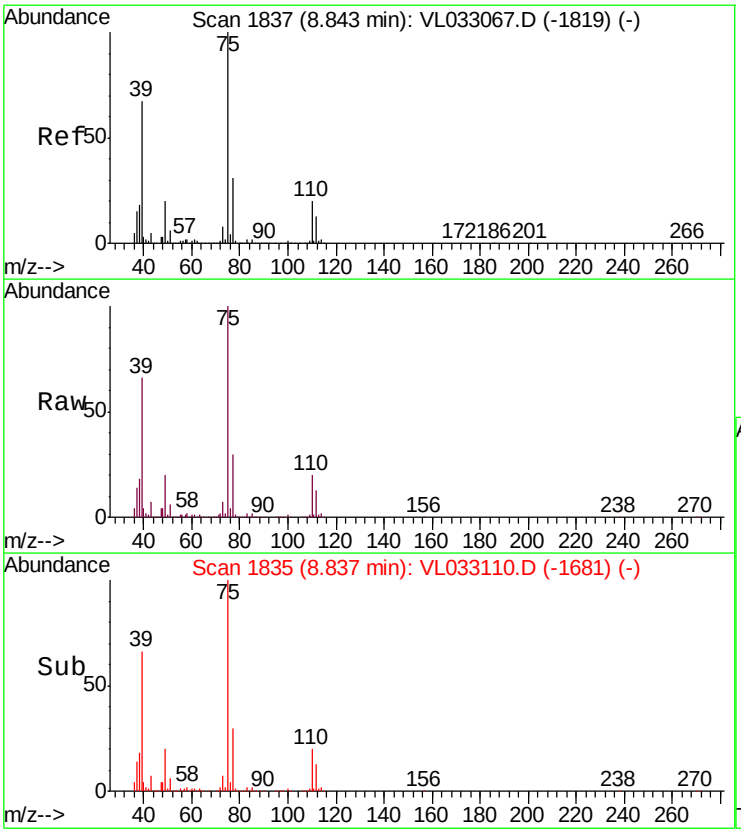
#45
t-1,3-Dichloropropene
Concen: 11.534 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 75 Resp: 1231882

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.8	37.2

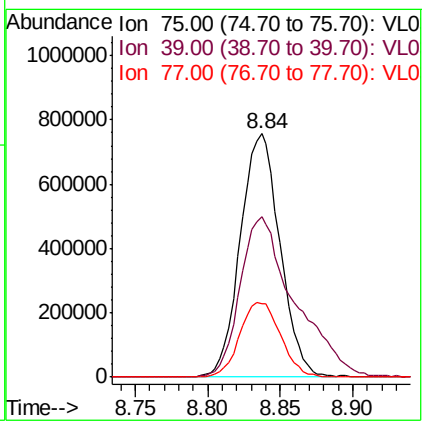


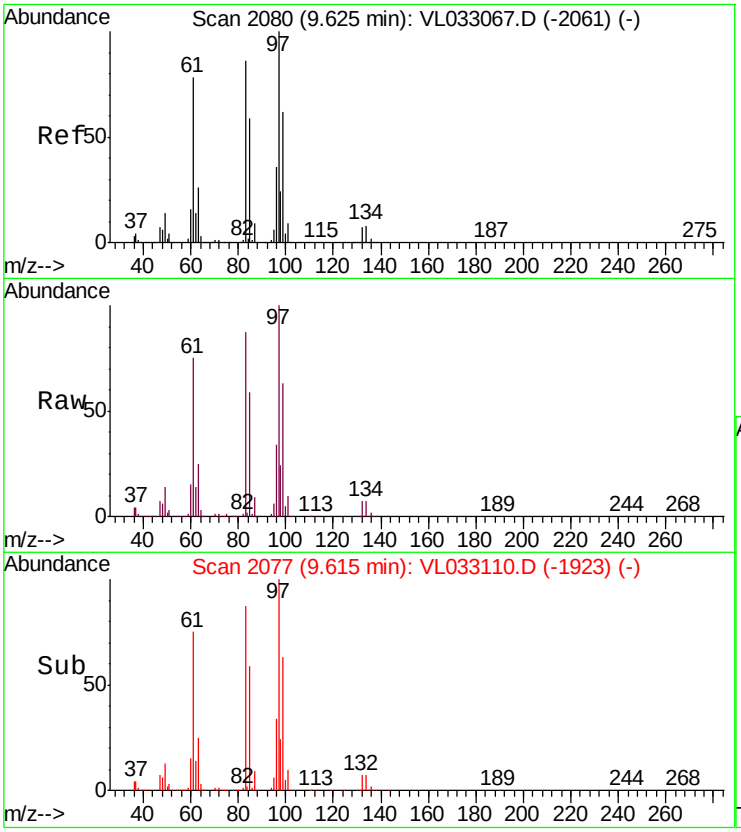


#46
cis-1,3-Dichloropropene
Concen: 11.826 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 75 Resp: 1441555

Ion	Ratio	Lower	Upper
75	100		
39	65.6	51.3	76.9
77	30.3	25.5	38.3



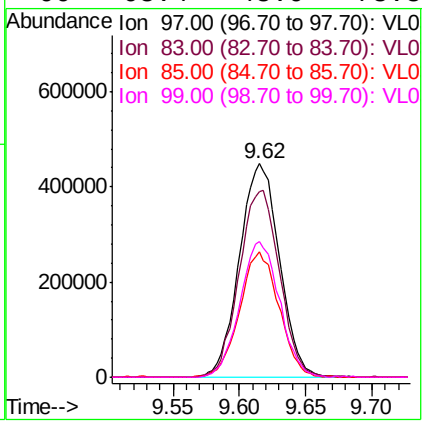


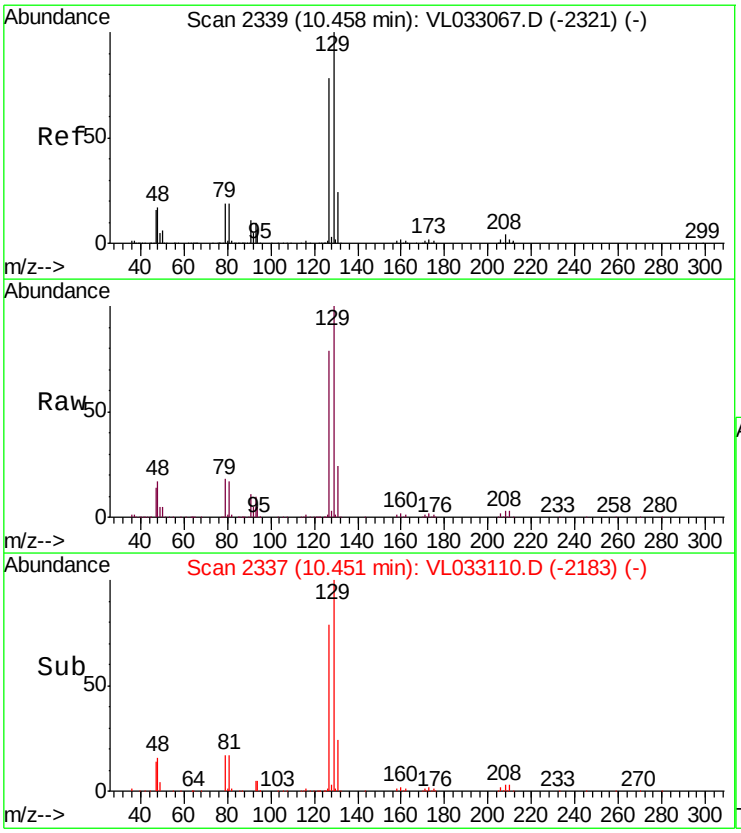
#47
1,1,2-Trichloroethane
Concen: 9.359 ppbv
RT: 9.62 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 97 Resp: 939276

Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.4	104.2
85	58.4	44.2	66.2
99	63.4	48.9	73.3

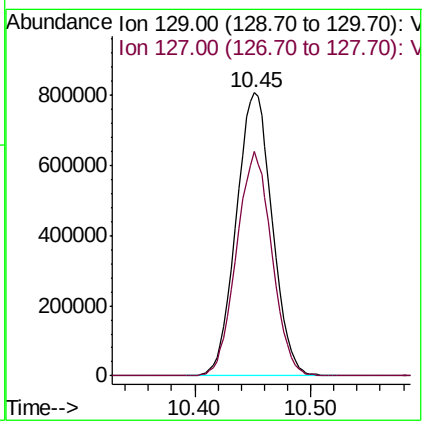


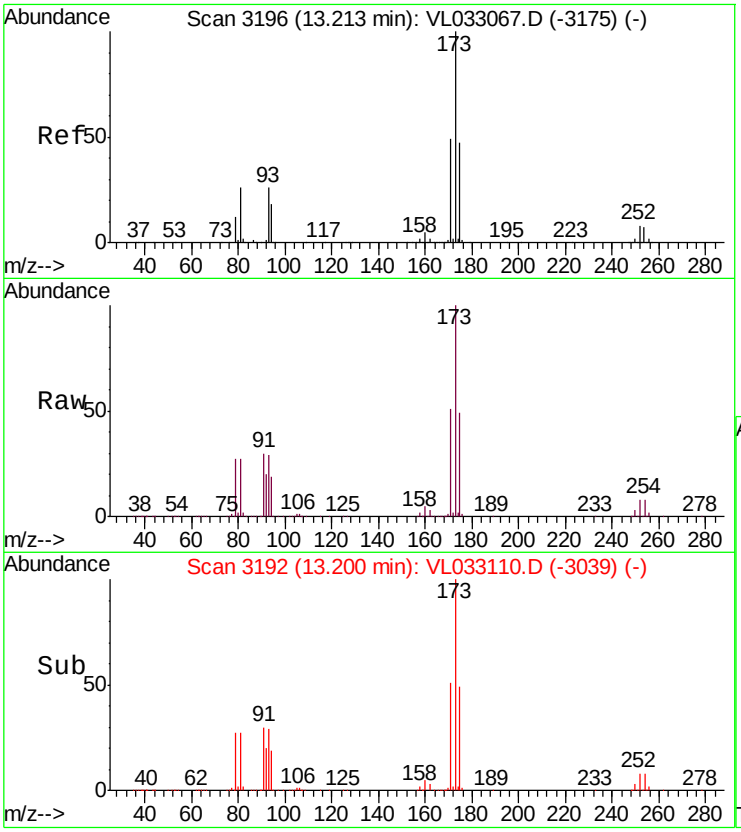


#48
Dibromochloromethane
Concen: 9.805 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:129 Resp: 1738660

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.3



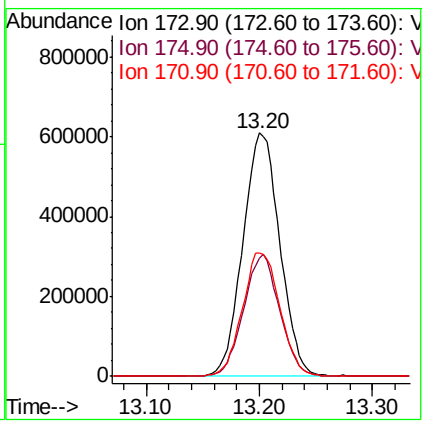


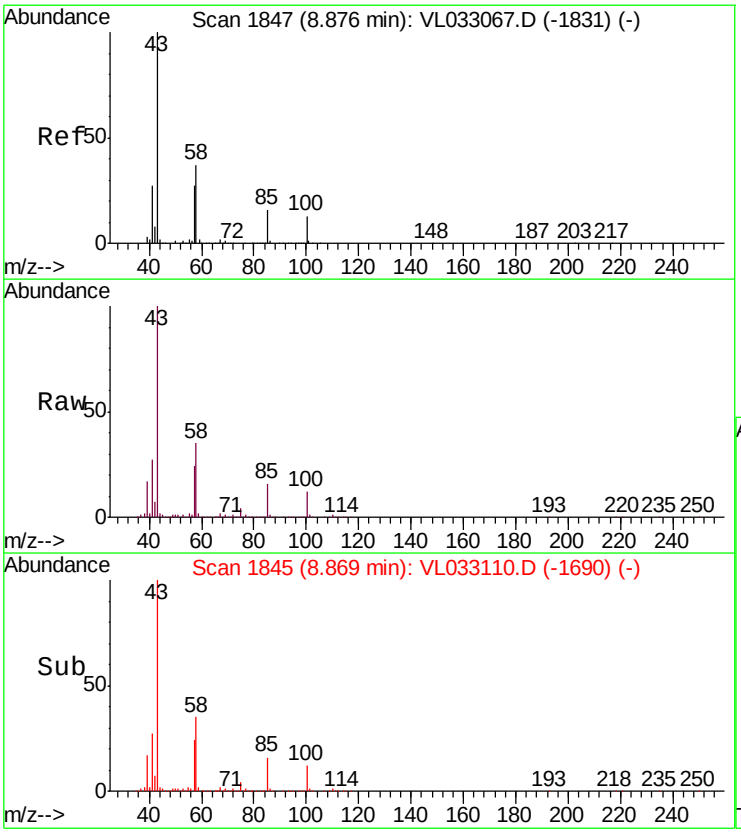
#49
Bromoform
Concen: 8.950 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion:173 Resp: 1386495

Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.4	59.2
171	51.7	42.1	63.1

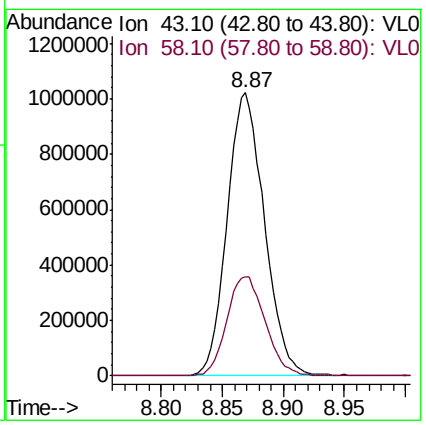


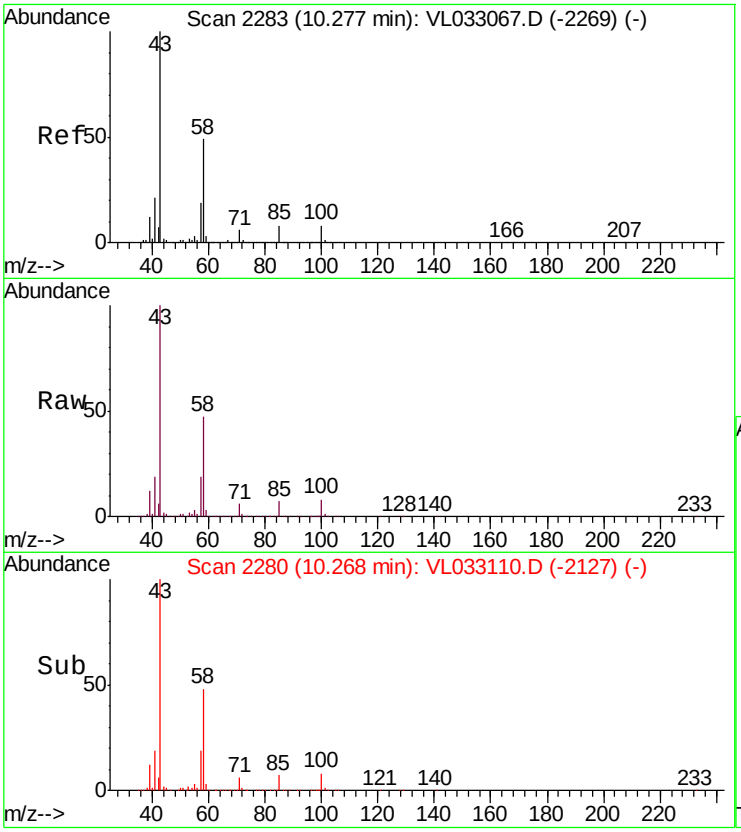


#50
4-Methyl-2-Pentanone
Concen: 10.525 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 43 Resp: 2163045

Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.9	43.3



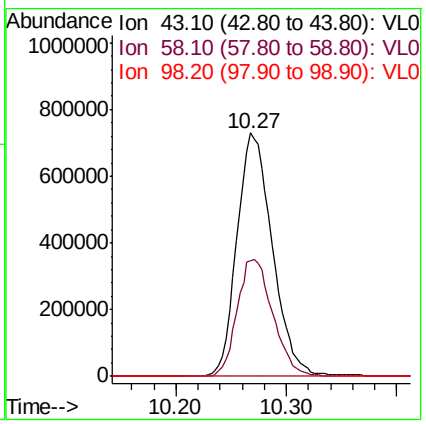


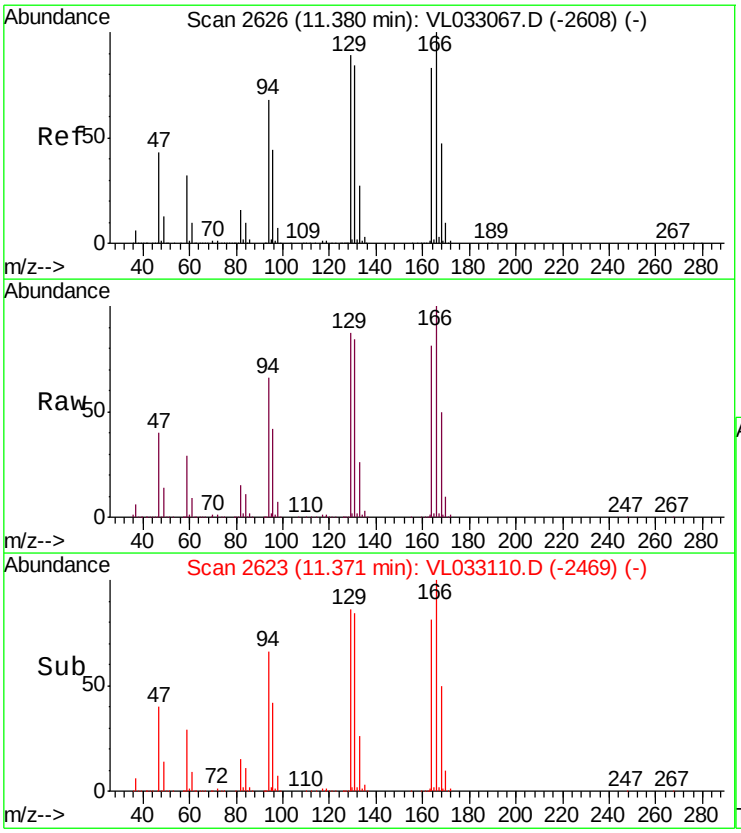
#51
2-Hexanone
Concen: 10.922 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion: 43 Resp: 1624216

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.0	58.6
98	0.2	0.4	0.6#

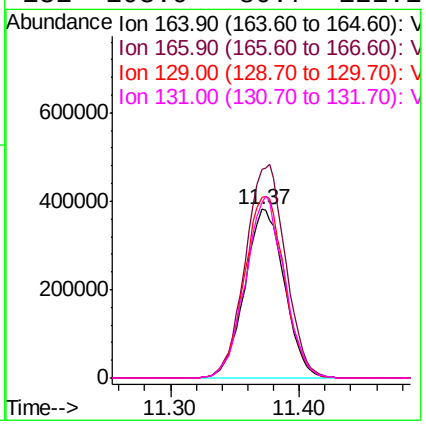


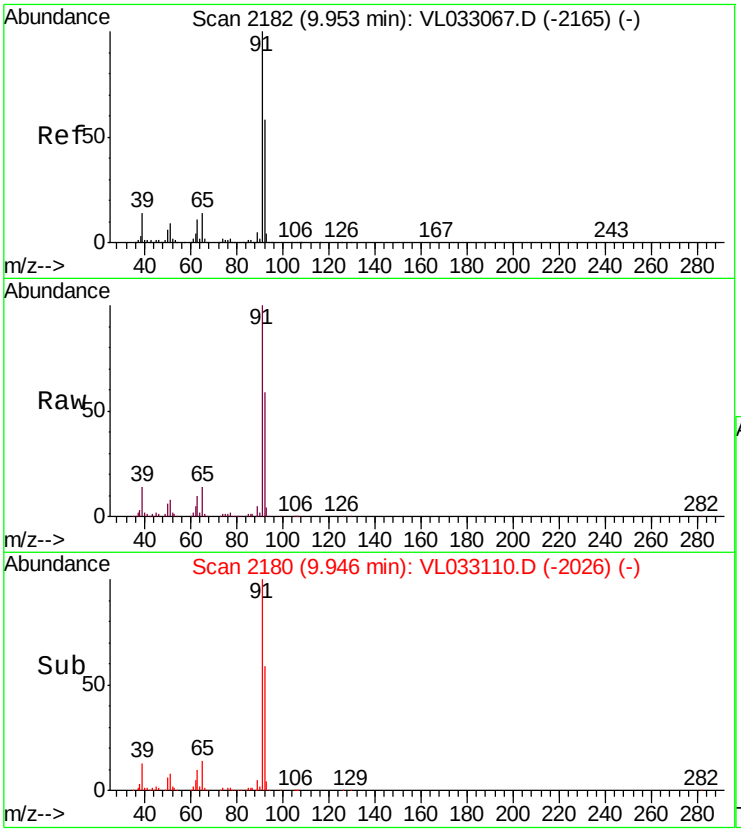


#52
Tetrachloroethene
Concen: 10.114 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:164 Resp: 817472

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.8	151.2
129	107.2	84.6	126.8
131	103.9	80.7	121.1



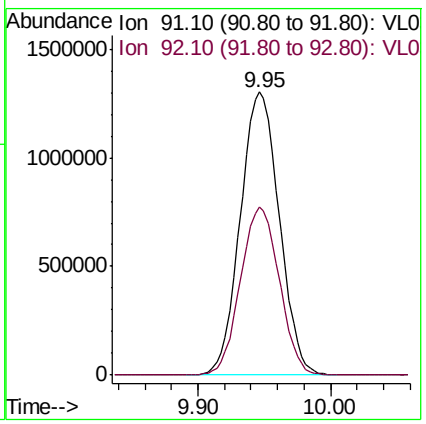


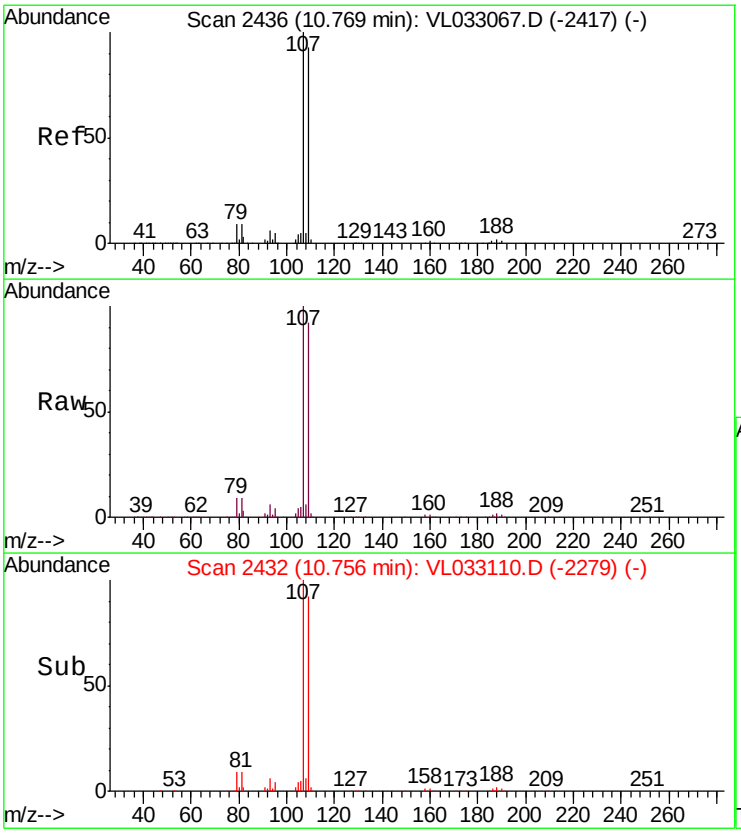
#53
Toluene
Concen: 10.845 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 91 Resp: 2657626

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.7	71.5

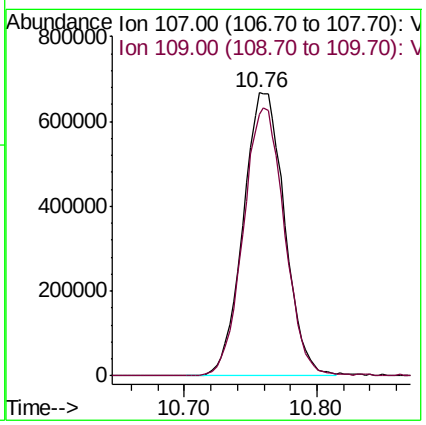


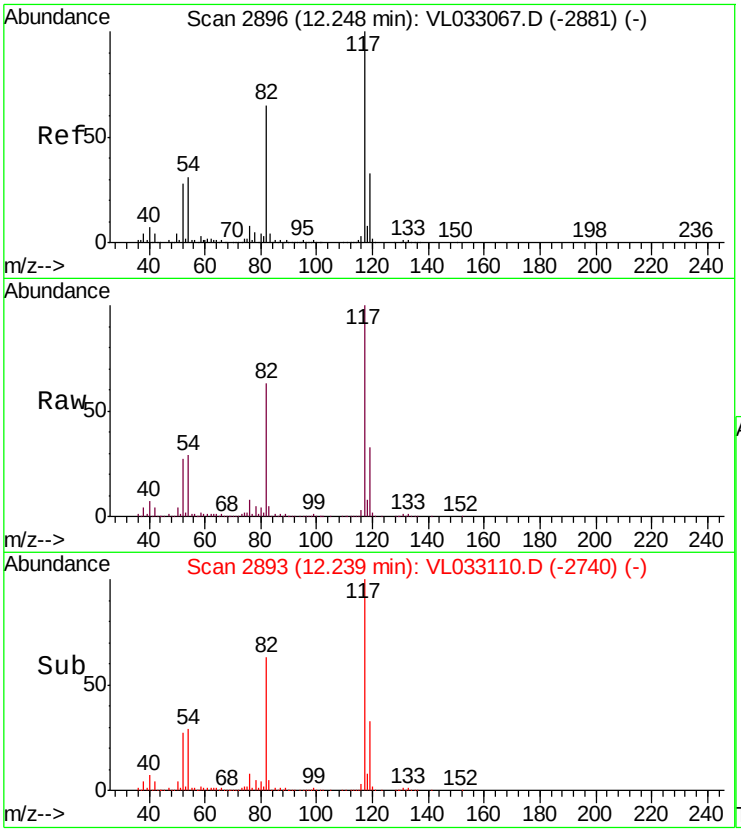


#54
1,2-Dibromoethane
Concen: 9.989 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:107 Resp: 1444358

Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.9	112.3



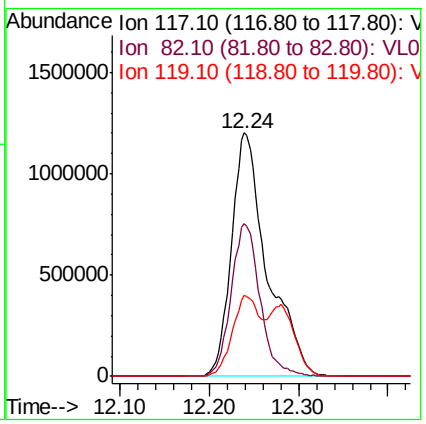


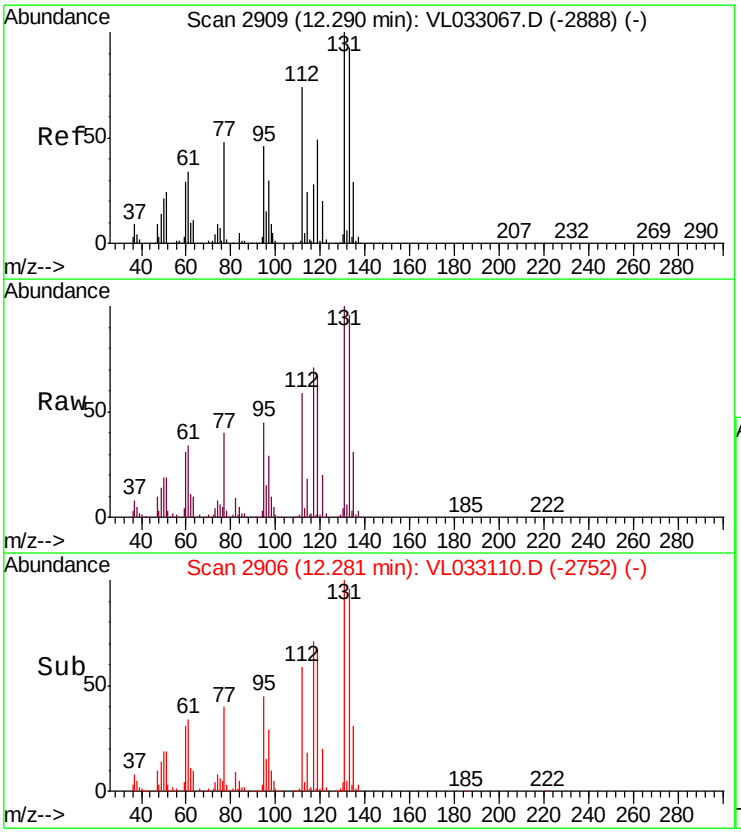
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion:117 Resp: 3345777

Ion	Ratio	Lower	Upper
117	100		
82	50.7	48.9	73.3
119	27.4	24.6	37.0

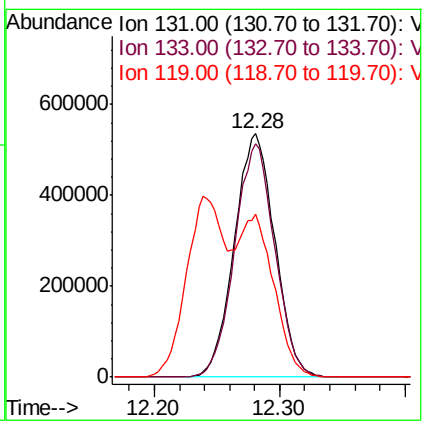


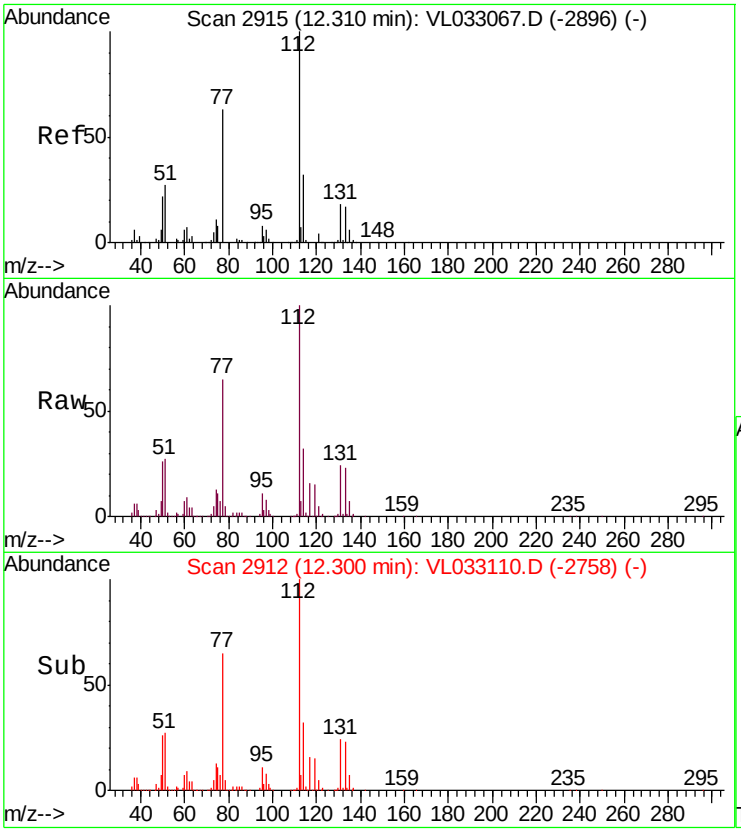


#56
1,1,1,2-Tetrachloroethane
Concen: 6.943 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:131 Resp: 1200241

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.0	114.0
119	59.9	44.2	66.2



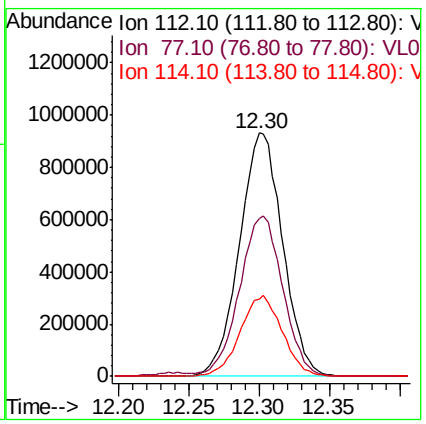


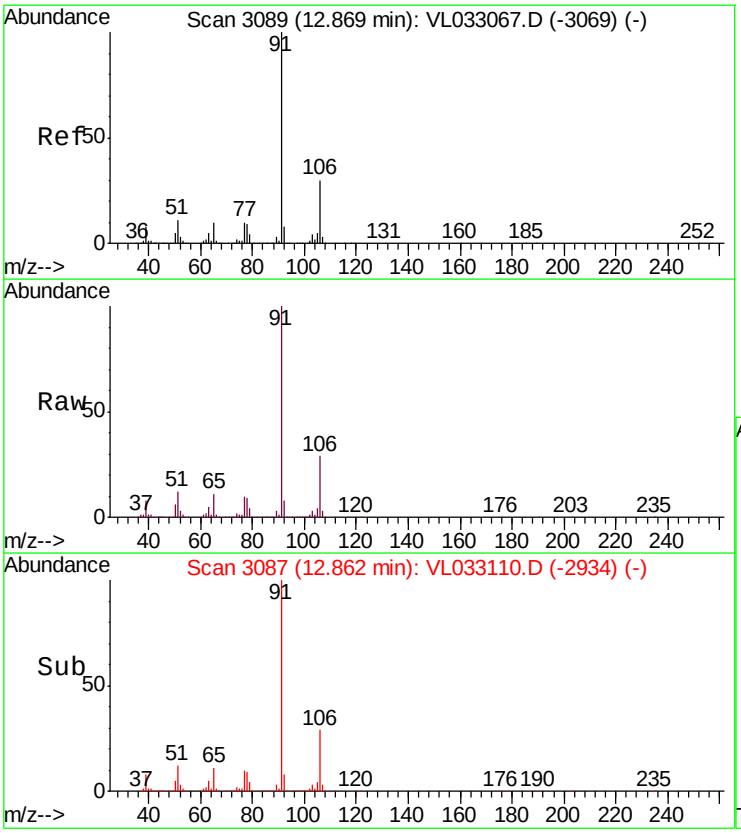
#57
Chlorobenzene
Concen: 7.141 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion:112 Resp: 1994388

Ion	Ratio	Lower	Upper
112	100		
77	64.4	53.4	80.0
114	31.6	30.0	36.6

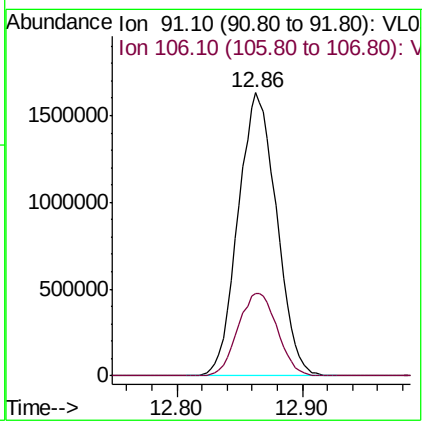


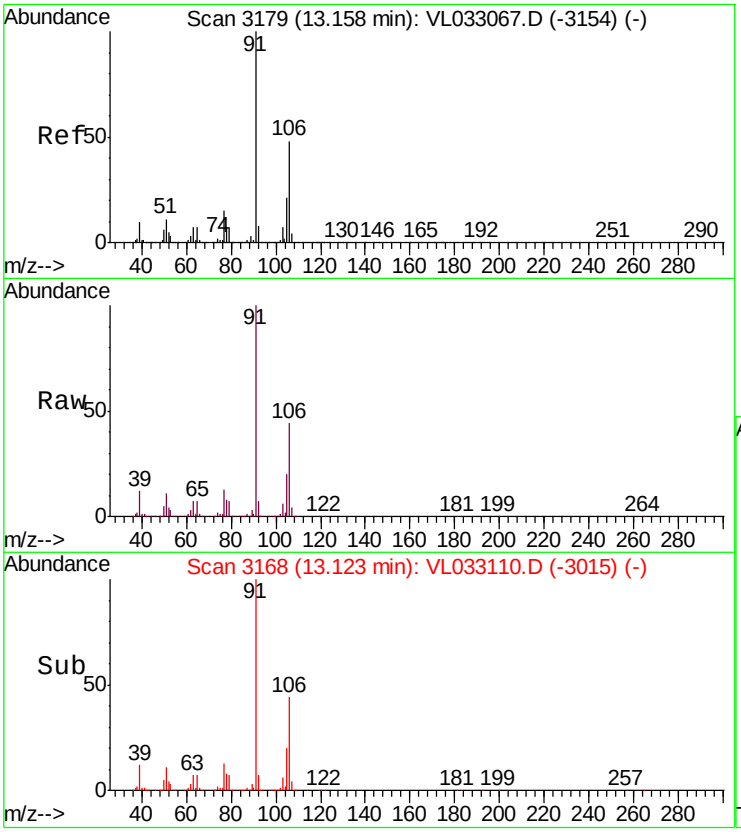


#58
Ethyl Benzene
Concen: 8.217 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 91 Resp: 3471220

Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.3	36.5



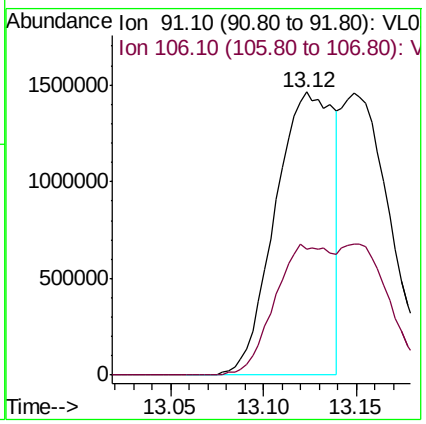


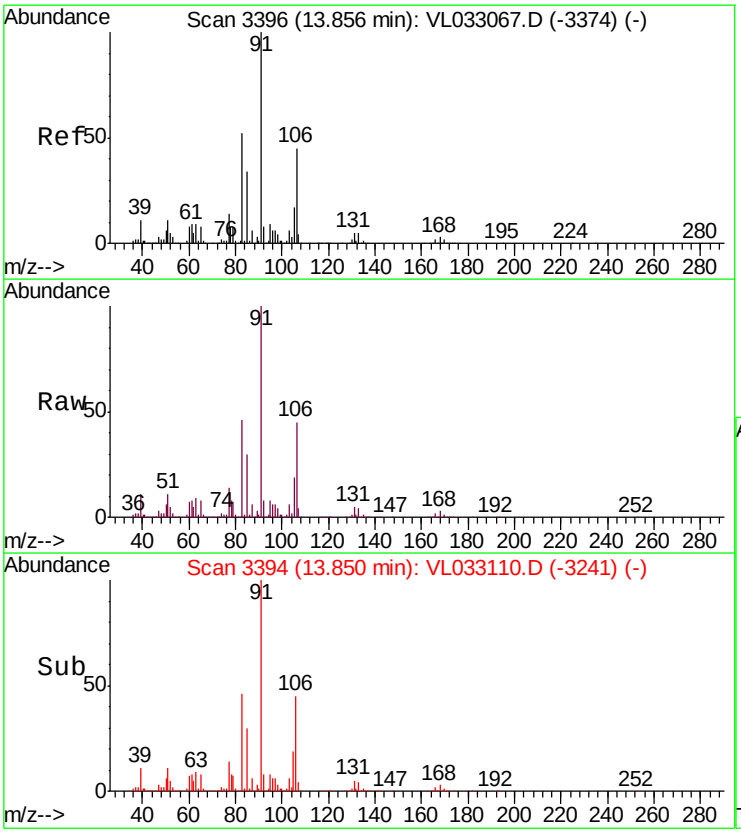
#59
m/p-Xylene
Concen: 8.193 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 91 Resp: 3201569

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

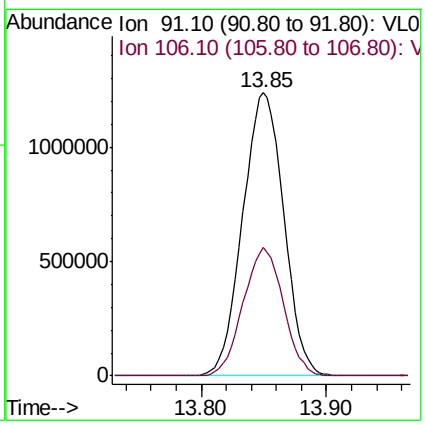


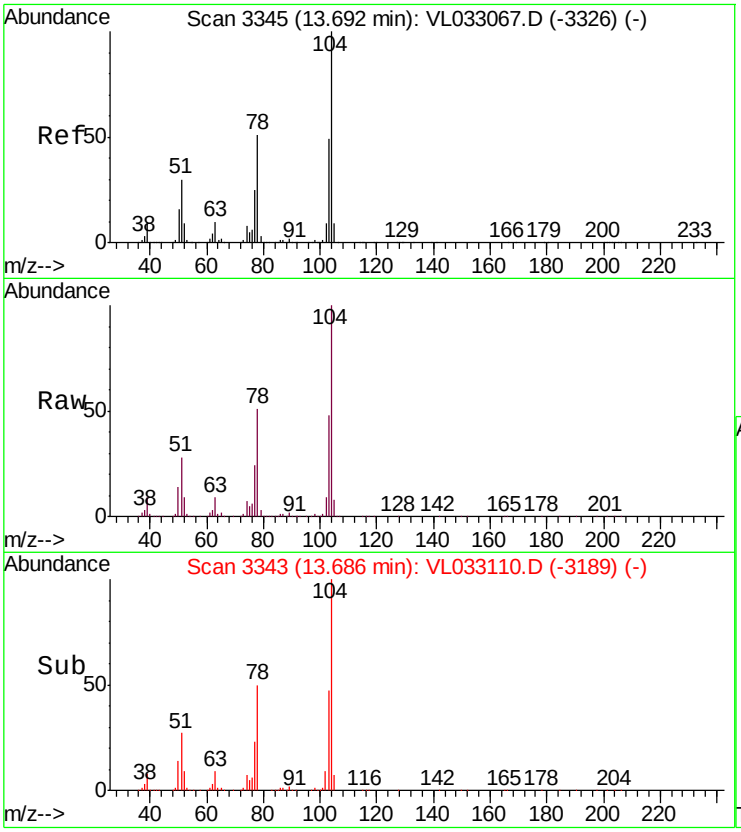


#60
o-Xylene
Concen: 7.363 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 91 Resp: 2816933

Ion	Ratio	Lower	Upper
91	100		
106	44.2	22.1	66.5



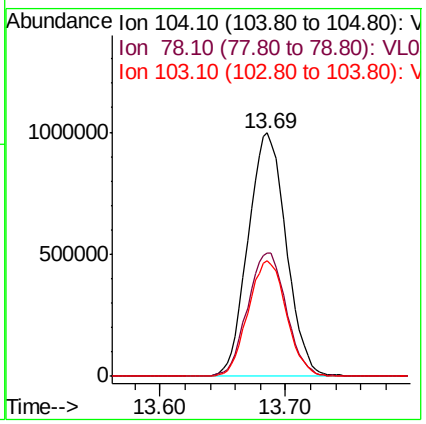


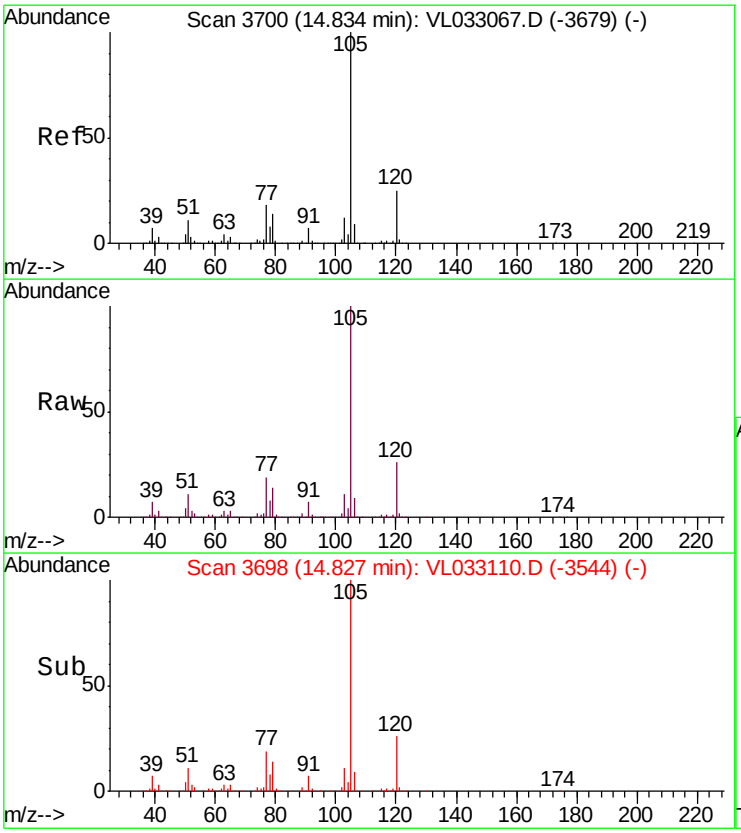
#61
Styrene
Concen: 8.628 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion:104 Resp: 2106184

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.6	62.4
103	47.7	38.1	57.1

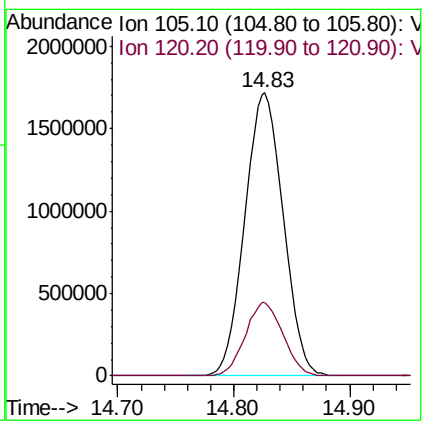


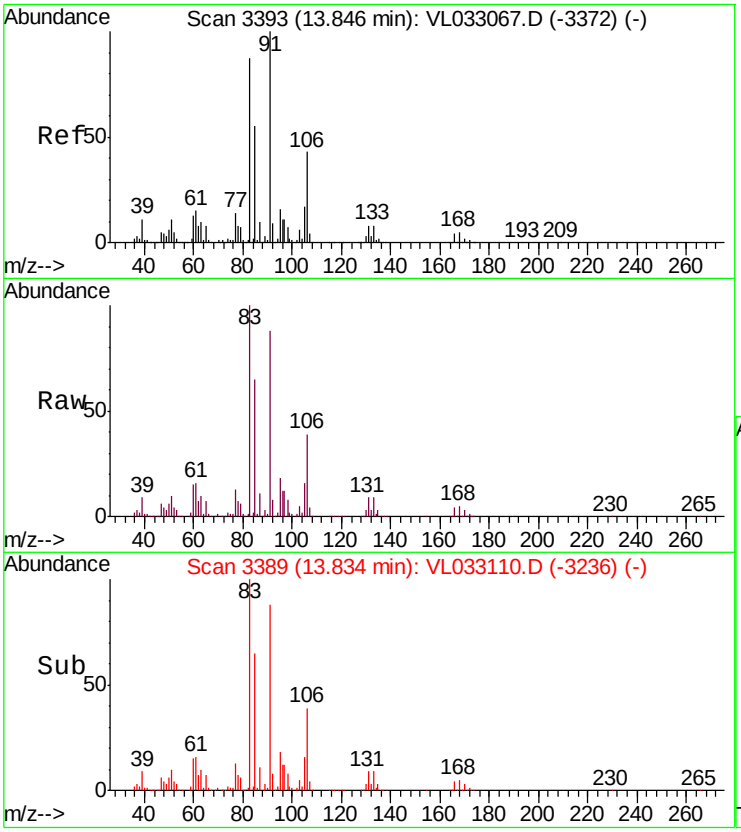


#62
Isopropylbenzene
Concen: 7.273 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:105 Resp: 3959925

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.4	30.6



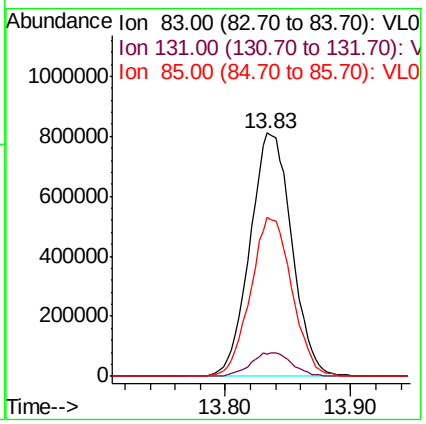


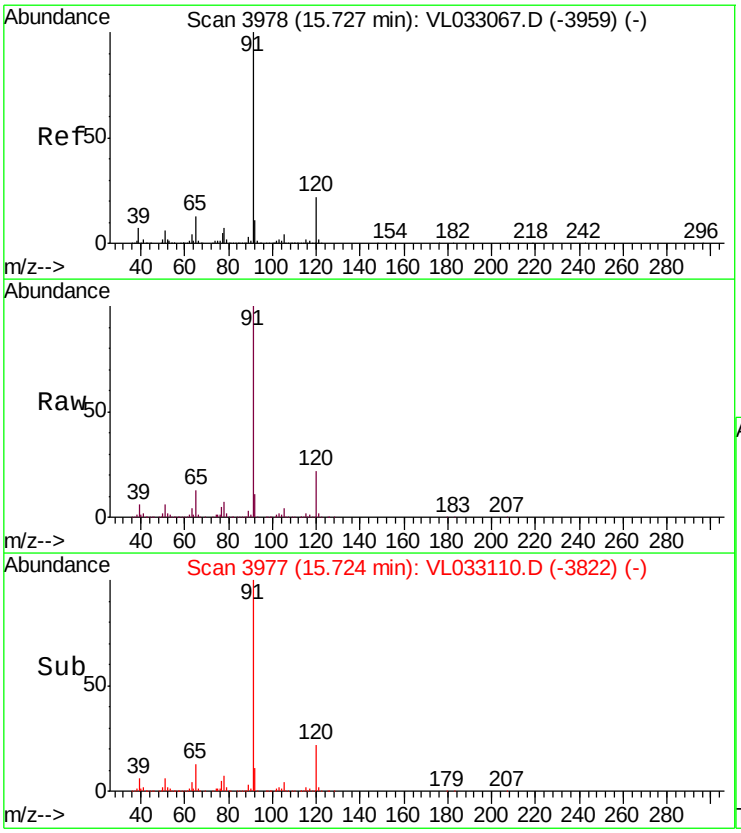
#63
1,1,2,2-Tetrachloroethane
Concen: 6.611 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion: 83 Resp: 1878623

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.7	32.6	97.8

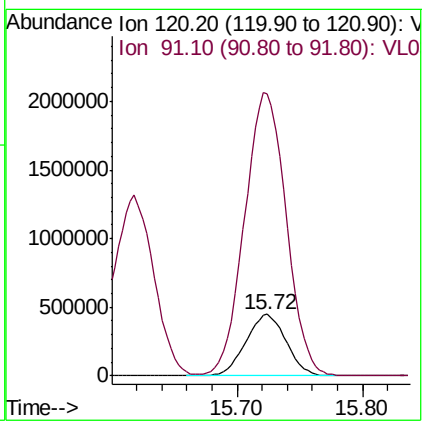


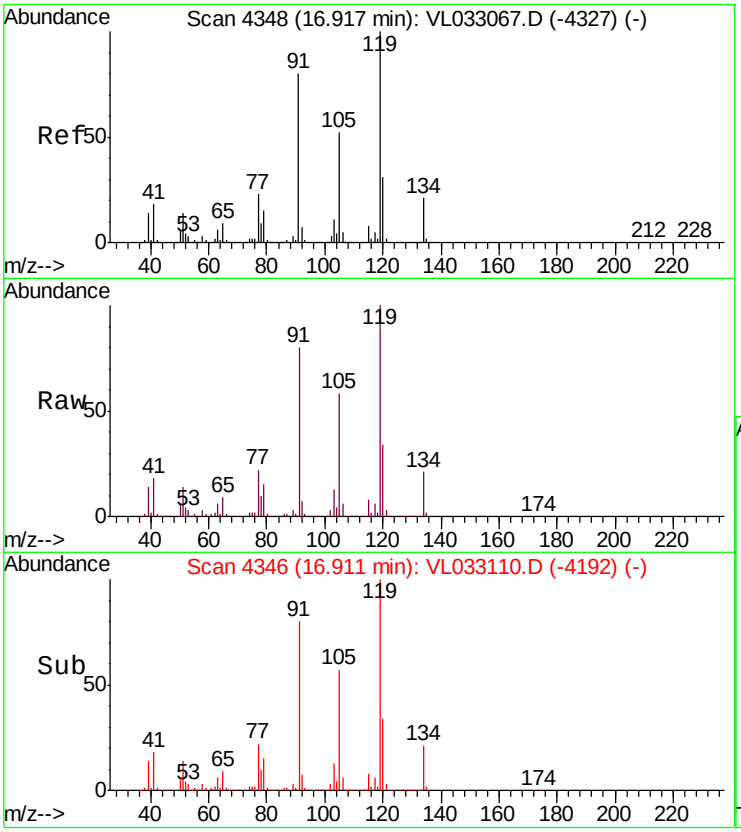


#64
n-propylbenzene
Concen: 7.258 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.00 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:120 Resp: 1003825

Ion	Ratio	Lower	Upper
120	100		
91	476.2	378.7	568.1



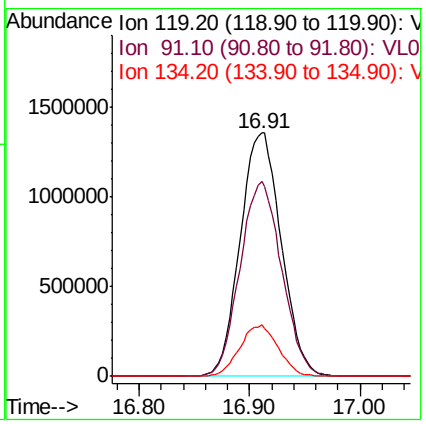


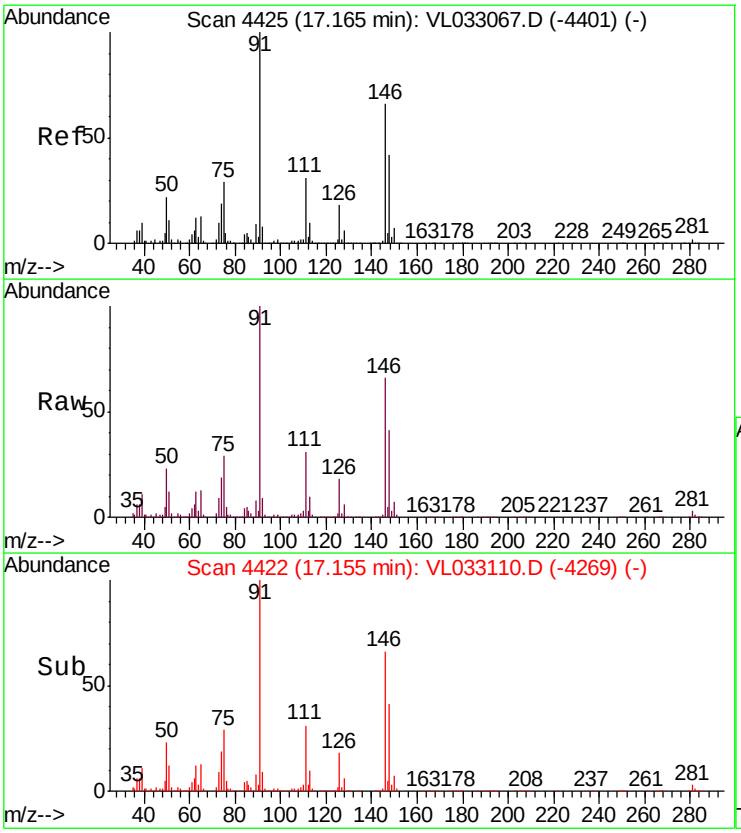
#65
tert-Butylbenzene
Concen: 7.266 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion:119 Resp: 3504234

Ion	Ratio	Lower	Upper
119	100		
91	81.3	64.6	97.0
134	19.8	15.8	23.8

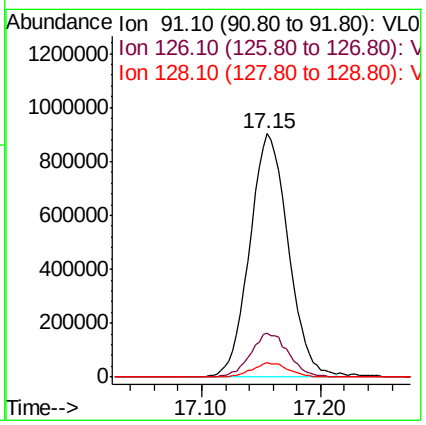


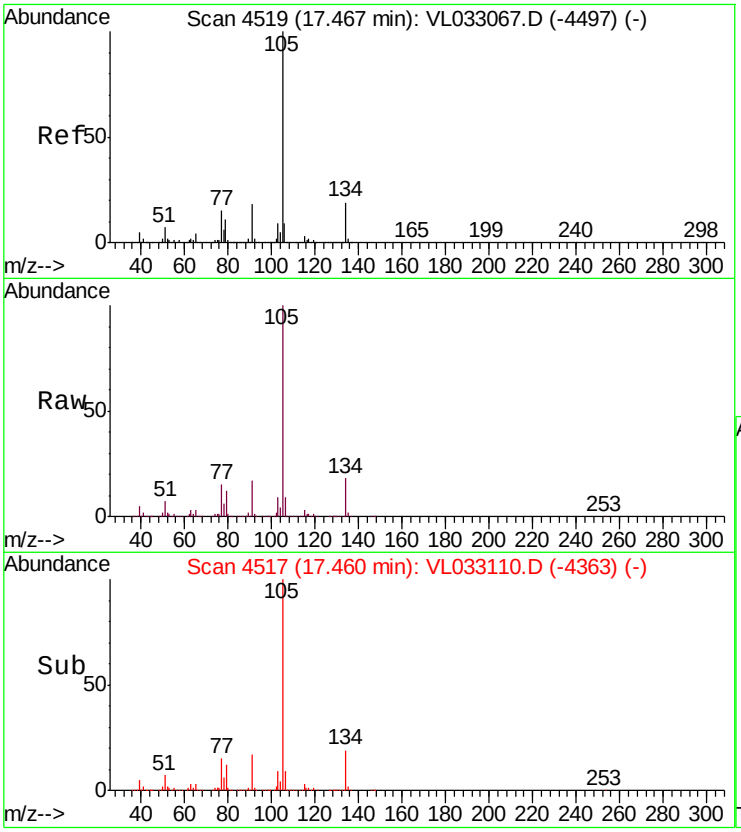


#66
Benzyl Chloride
Concen: 7.348 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 91 Resp: 2019642

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.4	21.6
128	5.7	4.5	6.7



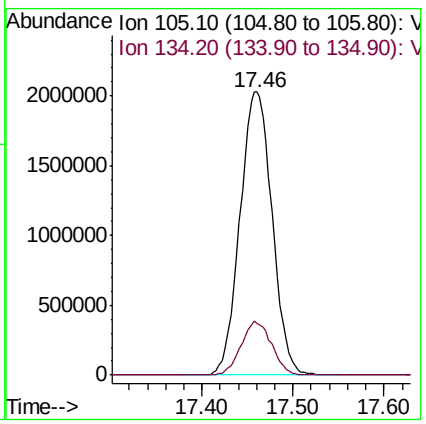


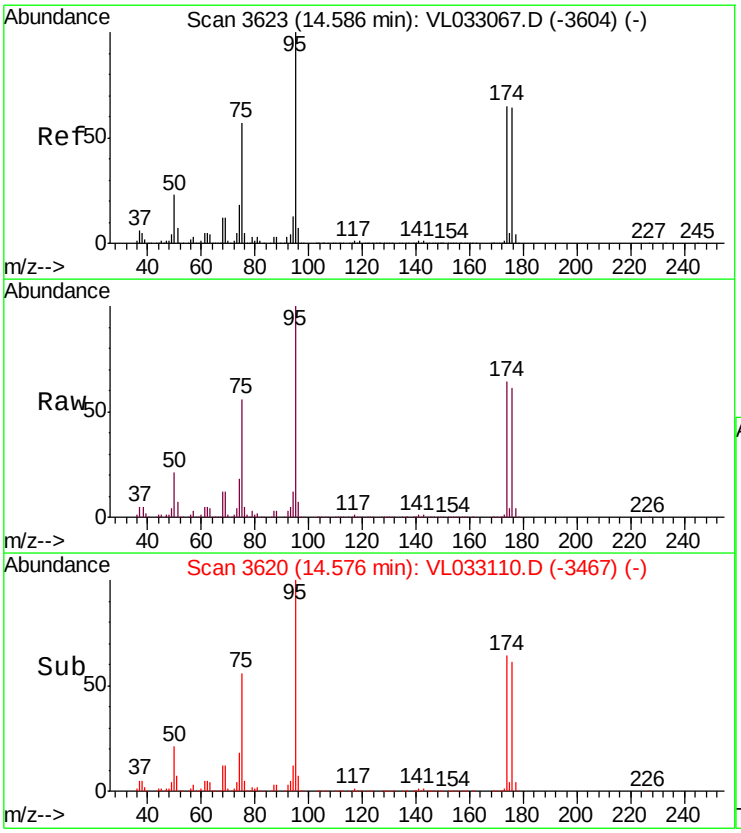
#67
sec-Butylbenzene
Concen: 7.191 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion:105 Resp: 4962853

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	21.8

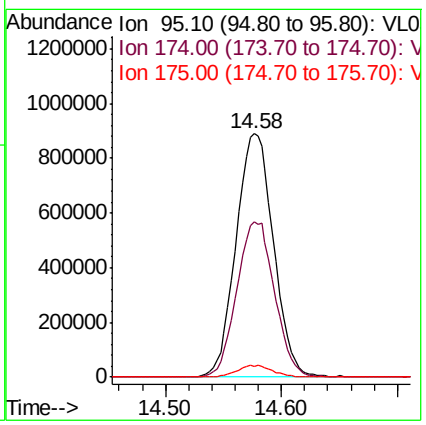


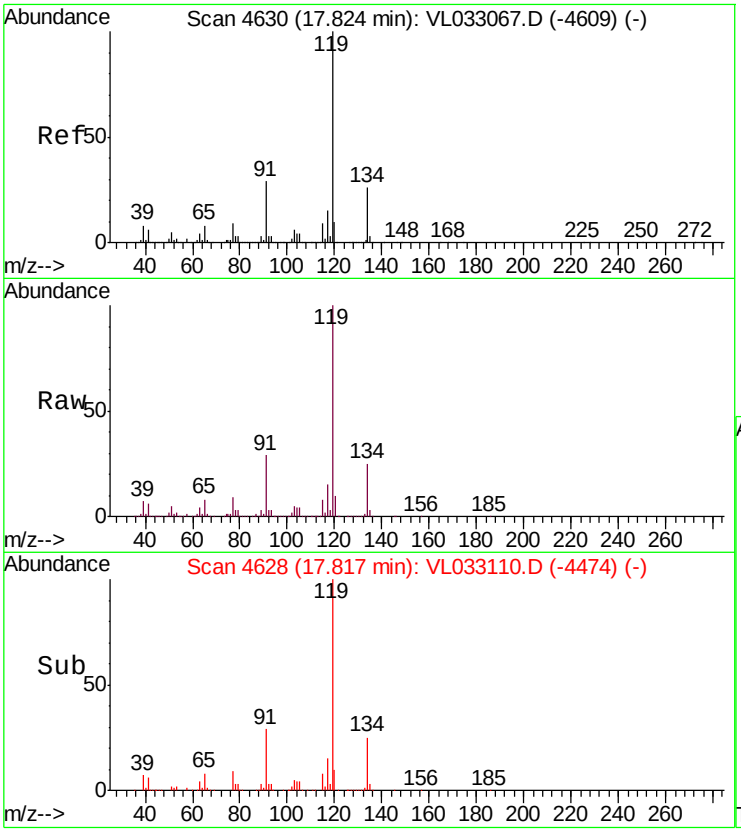


#68
1-Bromo-4-Fluorobenzene
Concen: 7.784 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 95 Resp: 1996467

Ion	Ratio	Lower	Upper
95	100		
174	64.4	51.9	77.9
175	4.8	3.9	5.9



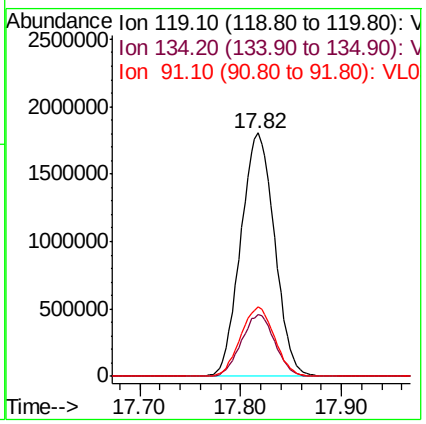


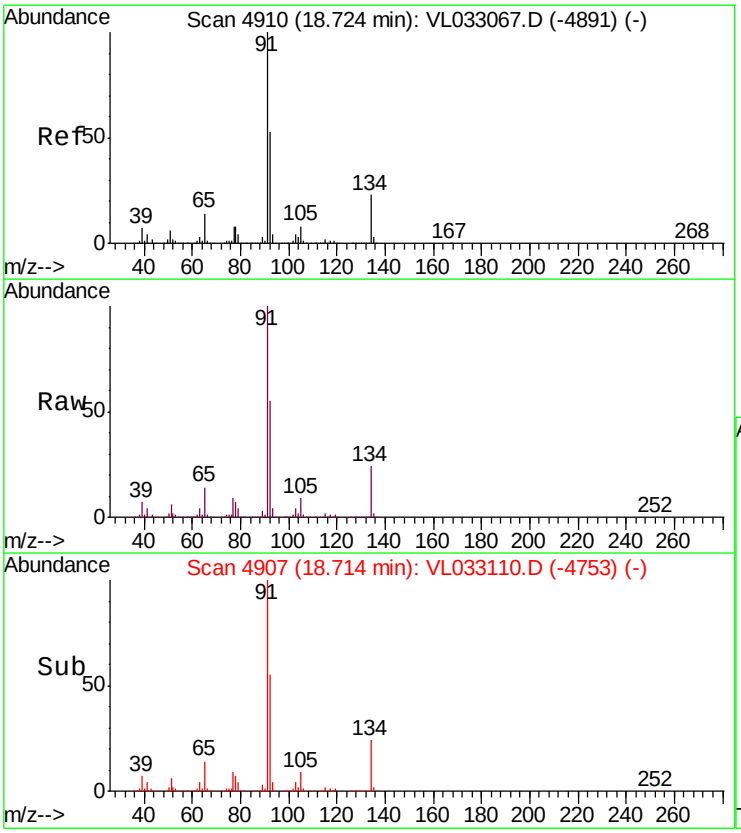
#69
p-Isopropyltoluene
Concen: 7.475 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion:119 Resp: 4187276

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.1	30.1
91	28.6	23.0	34.4

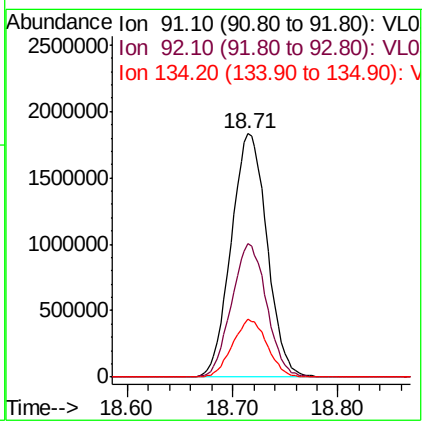


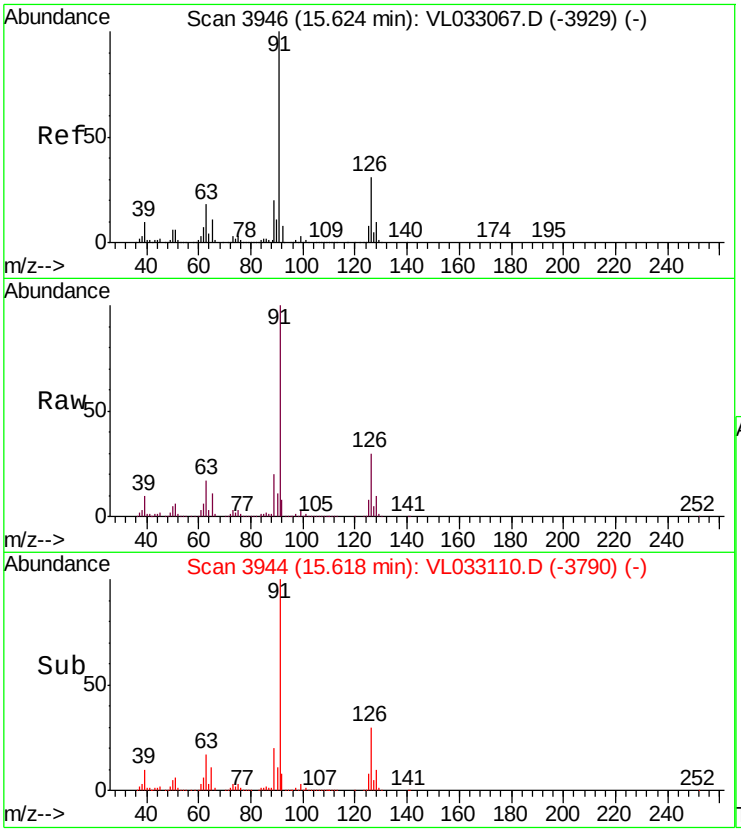


#70
n-Butylbenzene
Concen: 7.663 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion: 91 Resp: 4314789

Ion	Ratio	Lower	Upper
91	100		
92	53.7	42.4	63.6
134	22.9	18.0	27.0



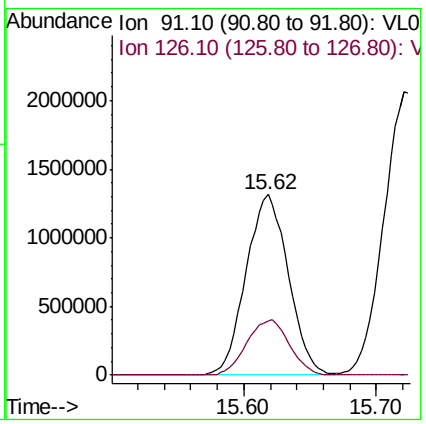


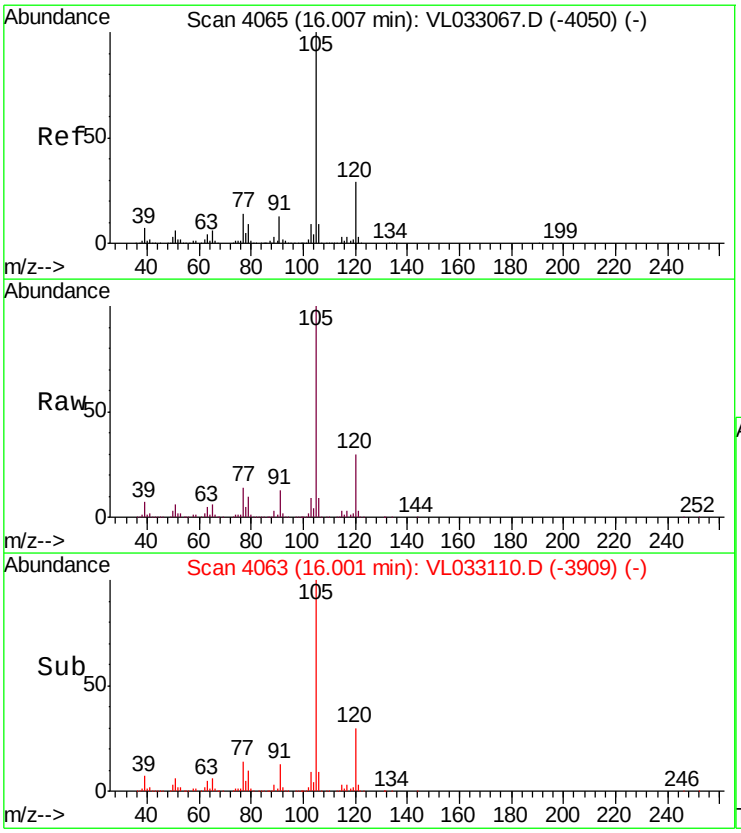
#71
2-Chlorotoluene
Concen: 7.575 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument : MSVOA_L
ClientSampleId : IDOC-3

Tgt Ion: 91 Resp: 2924730

Ion	Ratio	Lower	Upper
91	100		
126	31.1	12.4	49.6

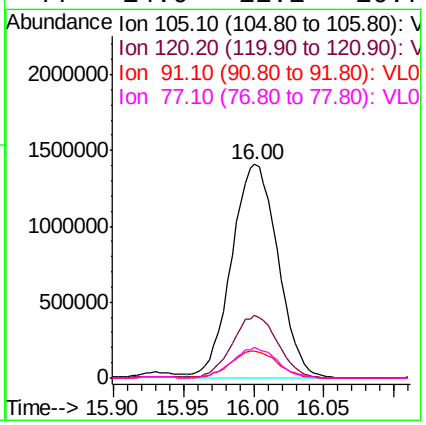


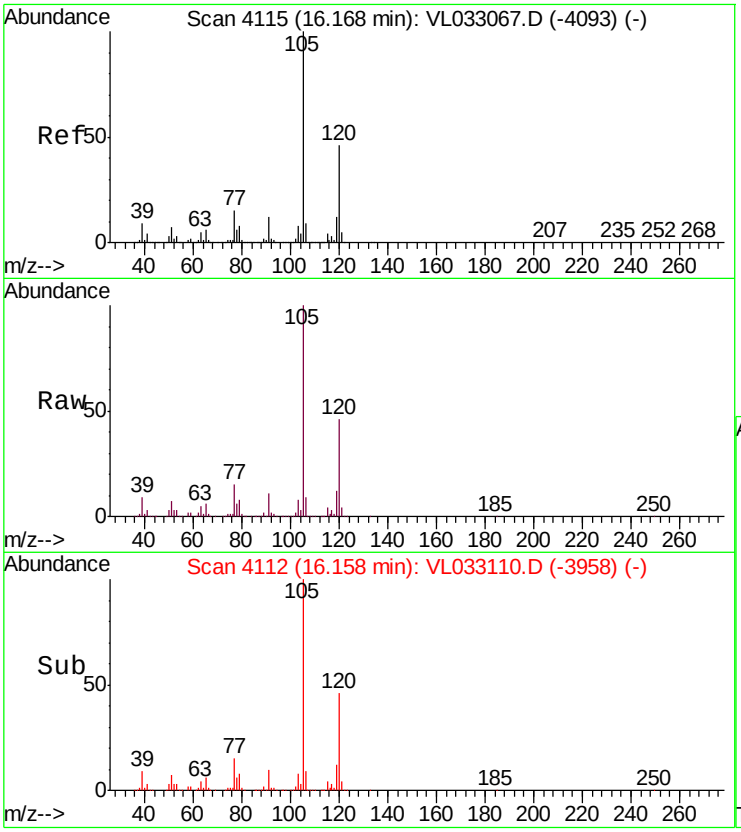


#72
4-Ethyltoluene
Concen: 7.656 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:105 Resp: 3218681

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.0	34.6
91	12.9	10.3	15.5
77	14.0	11.1	16.7



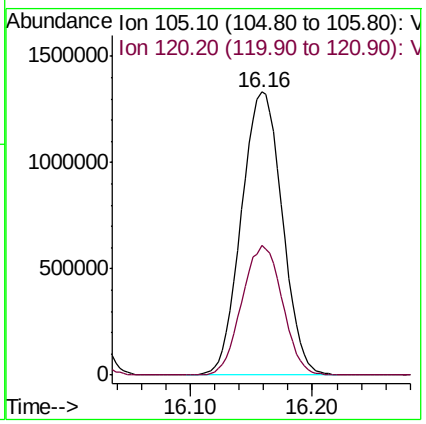


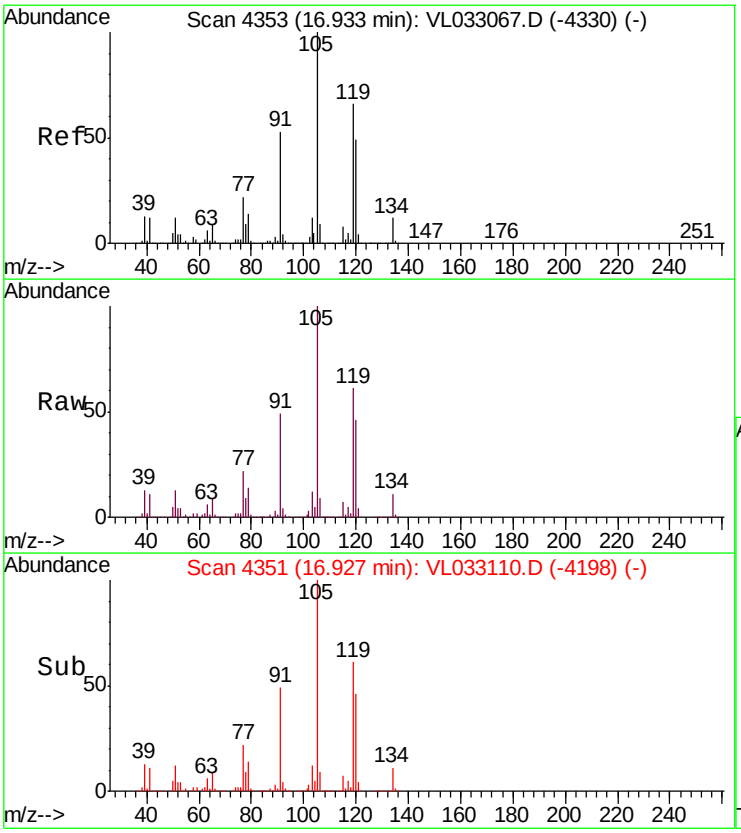
#73
1,3,5-Trimethylbenzene
Concen: 7.417 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion:105 Resp: 3076552

Ion	Ratio	Lower	Upper
105	100		
120	45.7	36.1	54.1

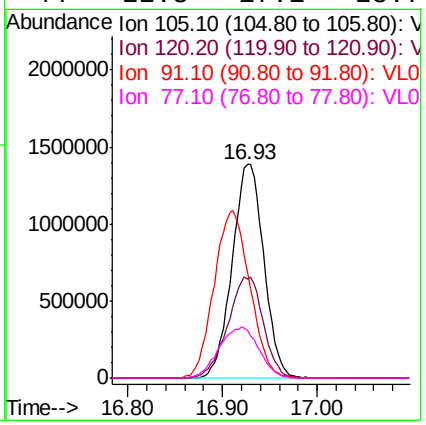


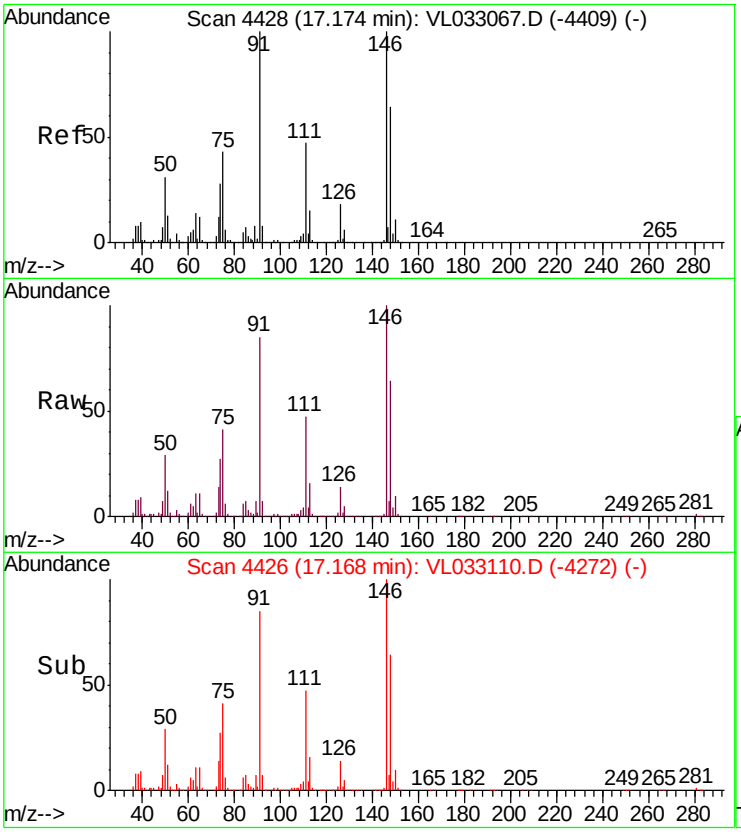


#74
1,2,4-Trimethylbenzene
Concen: 7.013 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:105 Resp: 3221629

Ion	Ratio	Lower	Upper
105	100		
120	46.2	37.0	55.4
91	48.6	35.4	53.0
77	22.3	17.1	25.7



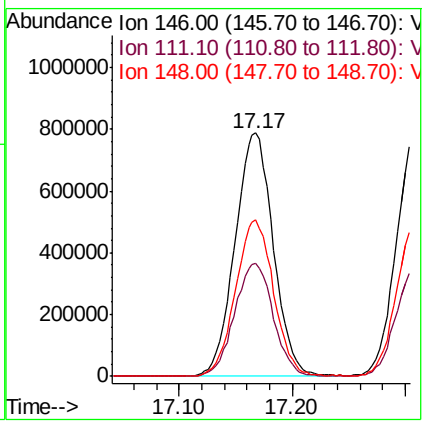


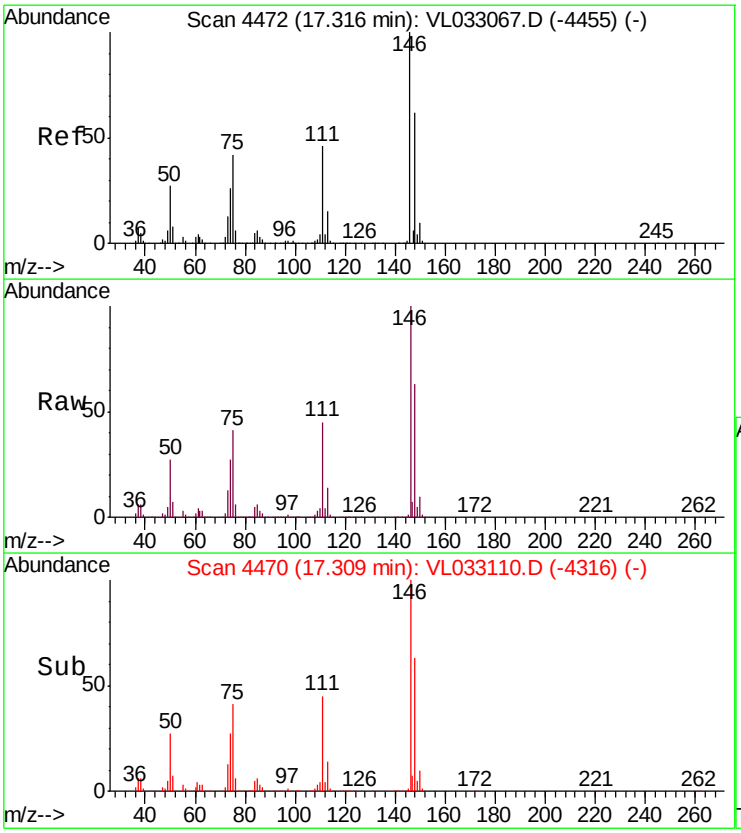
#75
1,3-Dichlorobenzene
Concen: 6.855 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion:146 Resp: 1853667

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.4	70.2
148	64.0	32.1	96.3

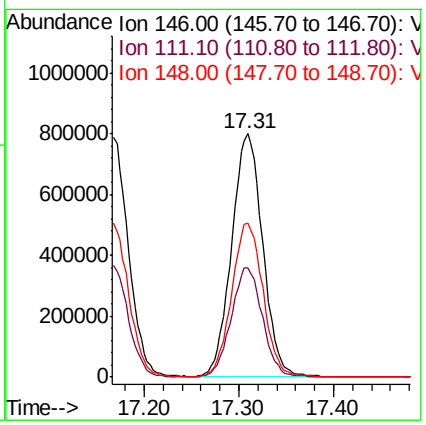


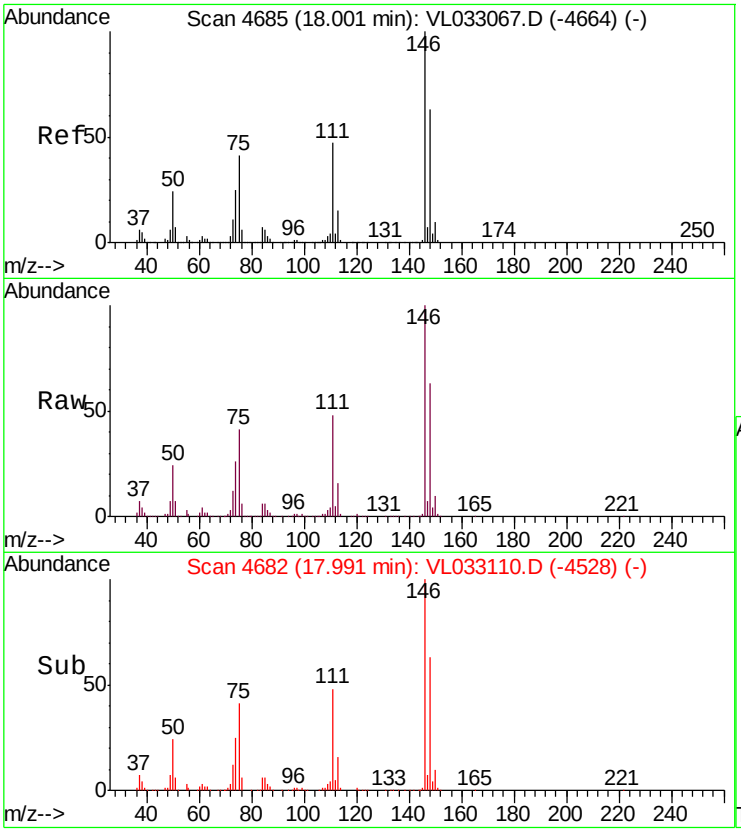


#76
1,4-Dichlorobenzene
Concen: 7.408 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:146 Resp: 1824797

Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.7	68.1
148	64.2	32.4	97.2



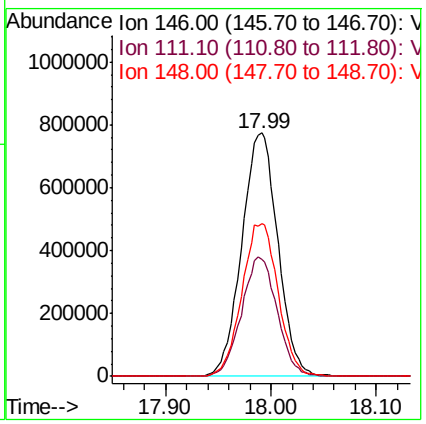


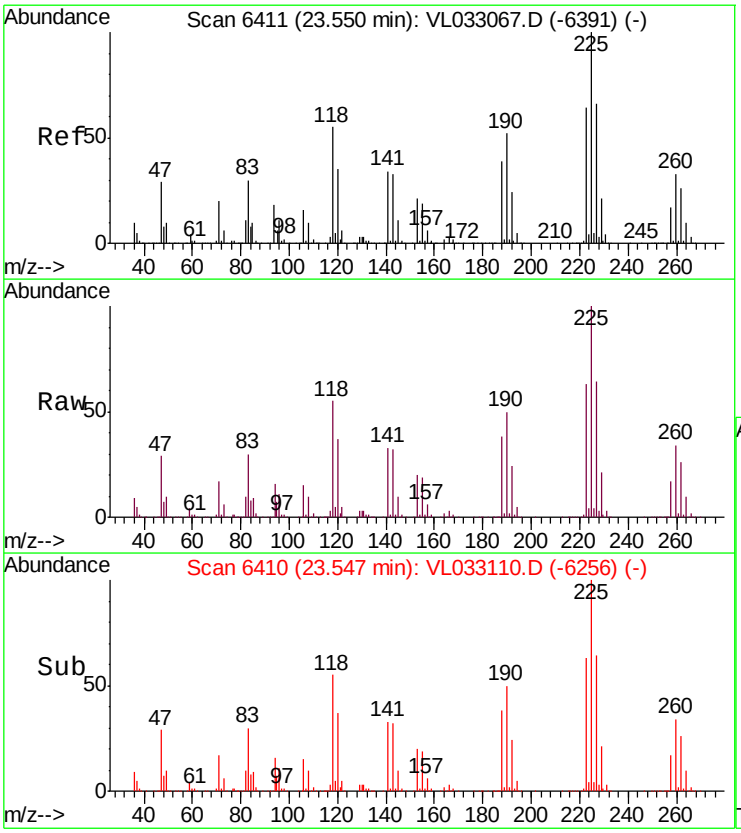
#77
1,2-Dichlorobenzene
Concen: 7.553 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion:146 Resp: 1839478

Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.4	73.2
148	63.3	32.3	96.9

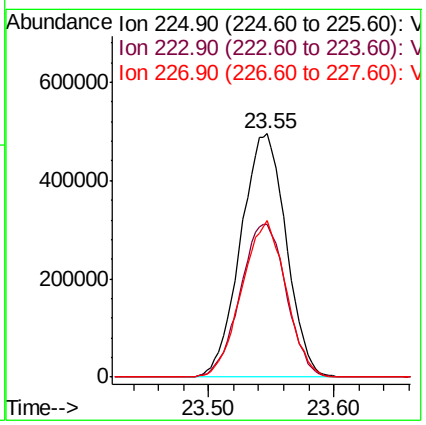


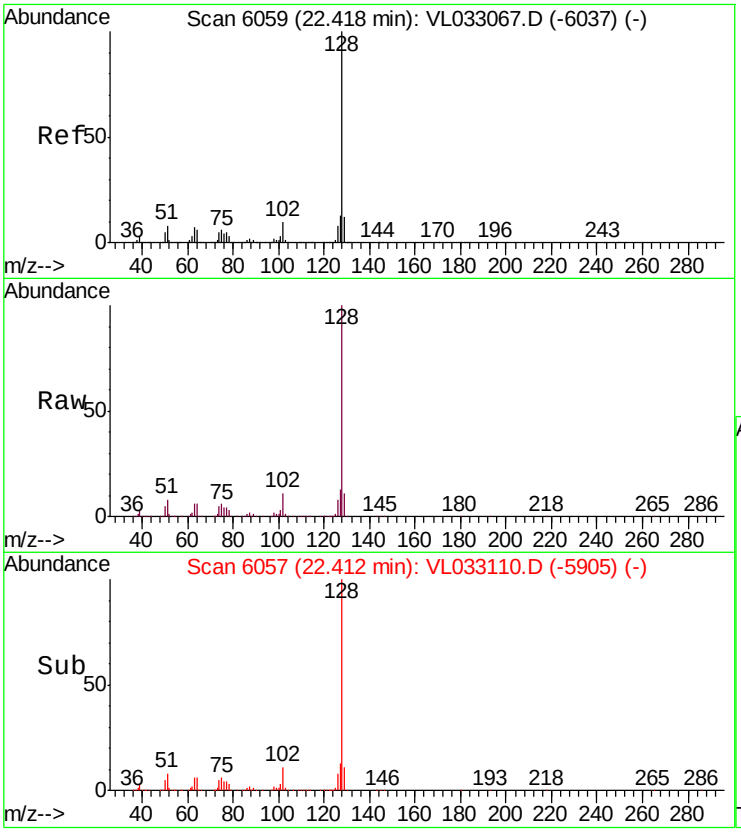


#78
Hexachloro-1,3-Butadiene
Concen: 6.669 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:225 Resp: 1247348

Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.0	76.6
227	62.9	51.0	76.4



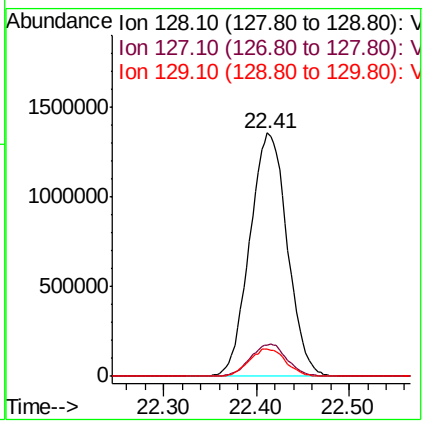


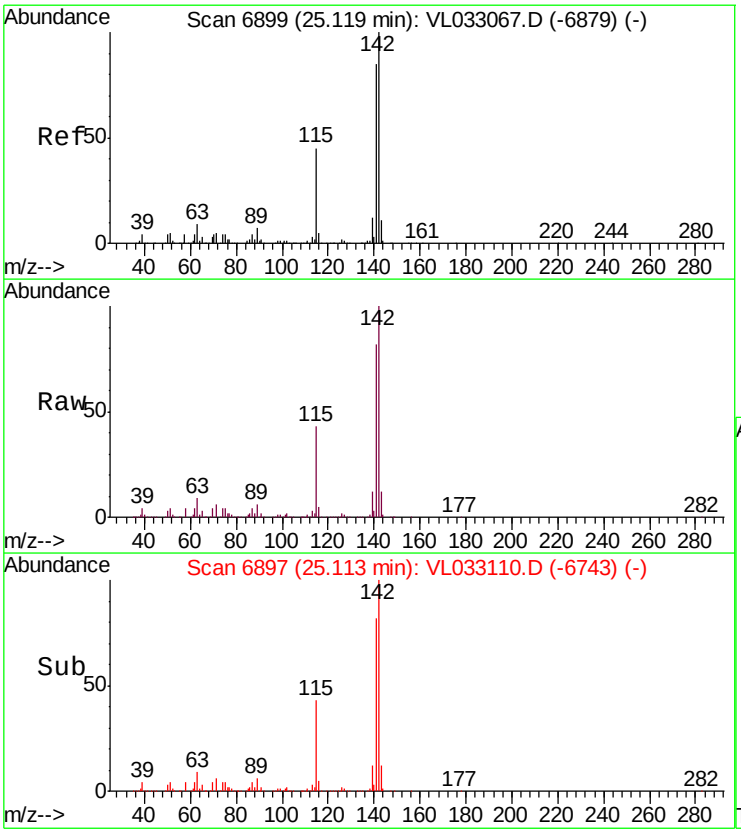
#79
Naphthalene
Concen: 9.890 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion:128 Resp: 3826964

Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.6
129	11.3	9.4	14.0

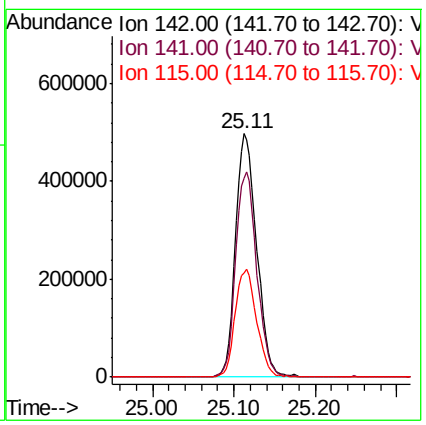


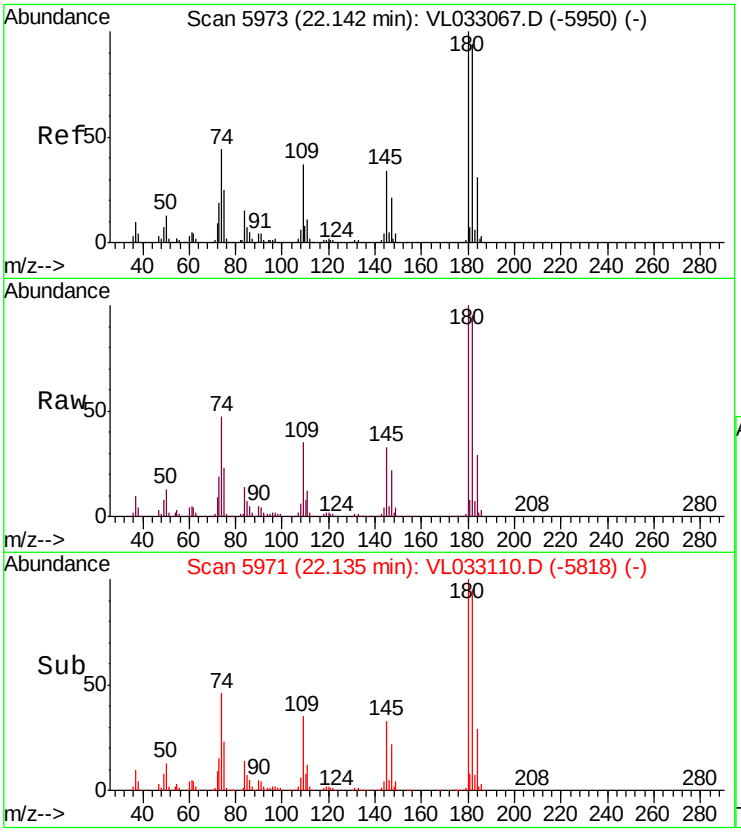


#80
Naphthalene,2-methyl-
Concen: 7.653 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Tgt Ion:142 Resp: 898667

Ion	Ratio	Lower	Upper
142	100		
141	84.9	68.6	103.0
115	45.3	35.6	53.4





#81
1,2,4-Trichlorobenzene
Concen: 9.536 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. -0.01 min
Lab File: VL033110.D
Acq: 17 Jan 2019 3:12

Instrument :
MSVOA_L
ClientSampleId :
IDOC-3

Tgt Ion:180 Resp: 1782747

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
184	29.9	24.6	37.0