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

Quantitation Report (Not Reviewed)

Data File : VL033108.D
Acq On : 17 Jan 2019 1:55
Operator : SY/AP
Sample : IDOC
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Quant Time: Jan 17 03:57:39 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	1075996	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2605678	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2666694	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1931023	9.45	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	2254018	11.256	ppbv		99
3) Chlorodifluoromethane	3.01	51	1184742	9.727	ppbv		97
4) Chloromethane	3.17	50	642935	9.216	ppbv		97
5) Vinyl Chloride	3.29	62	674546	9.574	ppbv		97
6) Bromomethane	3.51	94	453571	9.476	ppbv		94
7) Chloroethane	3.60	64	256059	9.294	ppbv		95
8) Dichlorotetrafluoroethane	3.22	85	1733423	10.050	ppbv		99
9) Propene	3.04	41	453682	9.971	ppbv		100
10) Heptane	8.25	43	1306047	10.081	ppbv		100
11) Trichlorofluoromethane	4.00	101	1925658	8.703	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1332573	9.524	ppbv		98
13) Ethanol	3.65	45	89024	4.906	ppbv		94
14) Bromoethene	3.79	108	573612	9.282	ppbv		100
15) Acetone	3.90	43	1374765	9.231	ppbv		99
16) 1,3-Butadiene	3.36	39	574704	10.233	ppbv		98
17) tert-Butyl alcohol	4.35	59	275032	8.718	ppbv		98
18) 1,1-Dichloroethene	4.35	96	605321	9.392	ppbv		97
19) Isopropyl Alcohol	4.02	45	653043	6.369	ppbv	#	98
20) Methylene Chloride	4.41	84	508133	8.184	ppbv		96
21) Allyl Chloride	4.48	41	924023	10.012	ppbv		98
22) trans-1,2-Dichloroethene	4.96	96	611854	9.578	ppbv		96
23) Vinyl Acetate	5.15	43	1856527	9.799	ppbv		98
24) 1,1-Dichloroethane	5.09	63	1473192	9.158	ppbv		98
25) Ethyl Acetate	5.77	43	2261460	8.983	ppbv		100
26) Hexane	5.78	57	1060551	8.947	ppbv		99
27) Carbon Disulfide	4.62	76	1520063	10.398	ppbv		99
28) Methyl tert-Butyl Ether	5.11	73	1760879	9.517	ppbv		99
29) Chloroform	5.85	83	1810325	8.962	ppbv		99
30) Cyclohexane	7.25	84	892659	10.100	ppbv		99
31) cis-1,2-Dichloroethene	5.64	61	1089569	9.899	ppbv		100
32) 1,1,1-Trichloroethane	6.62	97	1887646	9.207	ppbv		98
34) 2-Butanone	5.33	43	1464275	9.672	ppbv		98
35) Carbon Tetrachloride	7.14	117	2118032	9.463	ppbv		99
36) Benzene	7.00	78	2121563	9.940	ppbv		100
37) 1,2-Dichloroethane	6.41	62	1411642	9.472	ppbv		99
38) Trichloroethene	7.96	130	889448	10.130	ppbv		94
39) 1,2-Dichloropropane	7.74	63	765265	9.544	ppbv		96
40) 1,4-Dioxane	7.95	88	273963	9.001	ppbv	#	1
41) Tetrahydrofuran	6.15	42	790255	10.255	ppbv		99
42) Bromodichloromethane	7.92	83	1952999	9.540	ppbv		100
43) Methyl Methacrylate	8.14	69	858230	10.716	ppbv		98

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

Quantitation Report (Not Reviewed)

Data File : VL033108.D
Acq On : 17 Jan 2019 1:55
Operator : SY/AP
Sample : IDOC
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Quant Time: Jan 17 03:57:39 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	3597231	9.952	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1128684	11.321	ppbv		97
46) cis-1,3-Dichloropropene	8.84	75	1310588	11.518	ppbv		97
47) 1,1,2-Trichloroethane	9.62	97	893292	9.536	ppbv		98
48) Dibromochloromethane	10.45	129	1648080	9.957	ppbv		99
49) Bromoform	13.20	173	1358051	9.391	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	2076426	10.824	ppbv		99
51) 2-Hexanone	10.27	43	1531156	11.031	ppbv		100
52) Tetrachloroethene	11.37	164	752112	9.969	ppbv		98
53) Toluene	9.95	91	2474930	10.820	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1350943	10.009	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.28	131	1173620	8.518	ppbv		97
57) Chlorobenzene	12.30	112	1907126	8.568	ppbv		99
58) Ethyl Benzene	12.86	91	3298235	9.796	ppbv		98
59) m/p-Xylene	13.12	91	2784995	8.942	ppbv	#	100
60) o-Xylene	13.85	91	2771399	9.089	ppbv		99
61) Styrene	13.69	104	1982044	10.187	ppbv		99
62) Isopropylbenzene	14.83	105	3791538	8.738	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1853819	8.185	ppbv		100
64) n-propylbenzene	15.72	120	966507	8.768	ppbv		98
65) tert-Butylbenzene	16.91	119	3380688	8.795	ppbv		99
66) Benzyl Chloride	17.16	91	1945862	8.882	ppbv		99
67) sec-Butylbenzene	17.46	105	4773004	8.677	ppbv		100
69) p-Isopropyltoluene	17.82	119	4023214	9.012	ppbv		99
70) n-Butylbenzene	18.72	91	4233080	9.432	ppbv		100
71) 2-Chlorotoluene	15.62	91	2851438	9.266	ppbv		98
72) 4-Ethyltoluene	16.00	105	3122876	9.320	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	2988061	9.038	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	3126917	8.540	ppbv		95
75) 1,3-Dichlorobenzene	17.16	146	1781221	8.264	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1733991	8.832	ppbv		99
77) 1,2-Dichlorobenzene	17.99	146	1770701	9.122	ppbv		99
78) Hexachloro-1,3-Butadiene	23.54	225	1232915	8.270	ppbv		99
79) Naphthalene	22.42	128	3664650	11.882	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	809412	8.648	ppbv		100
81) 1,2,4-Trichlorobenzene	22.14	180	1695695	11.380	ppbv		99

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

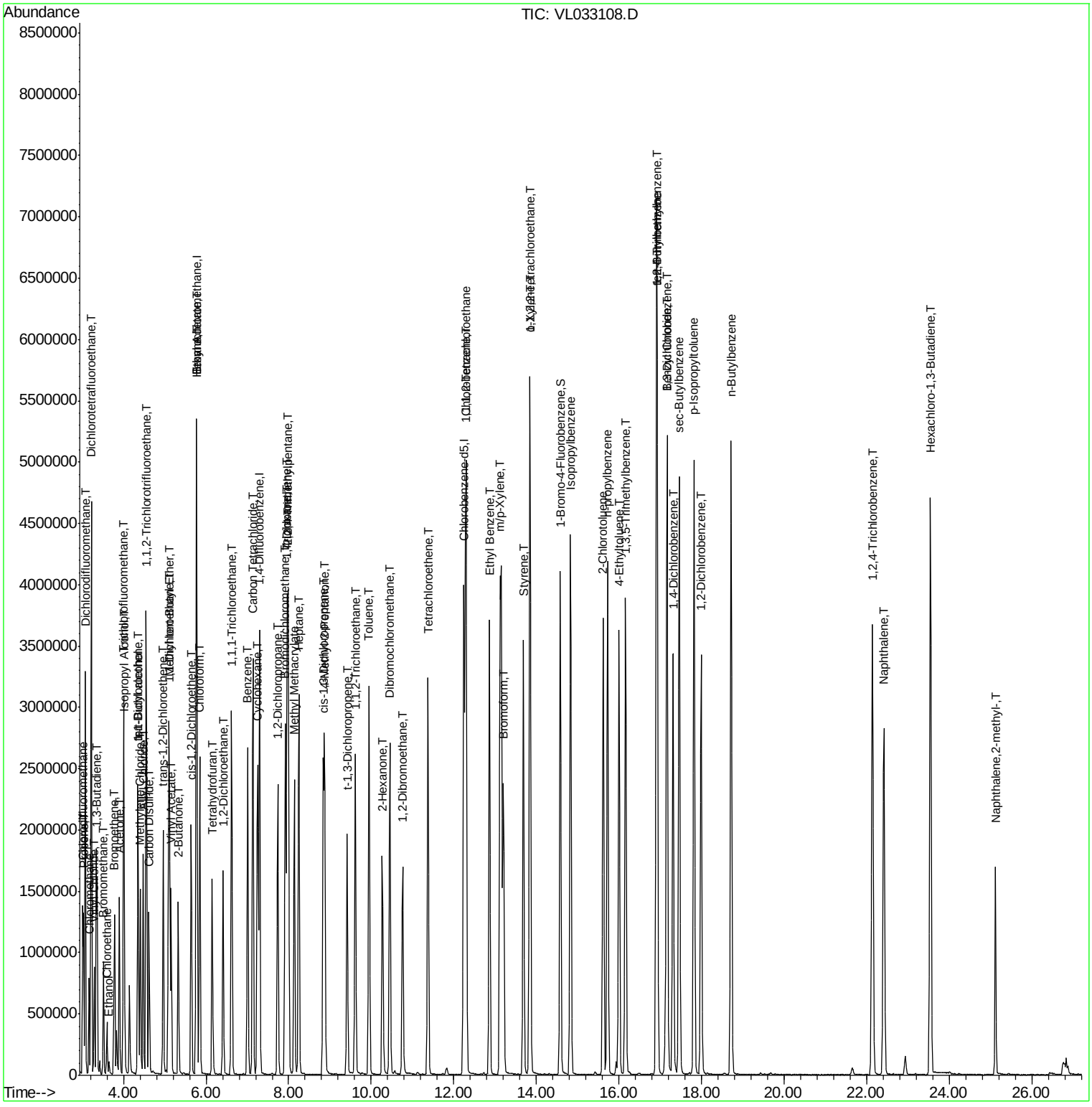
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011619\

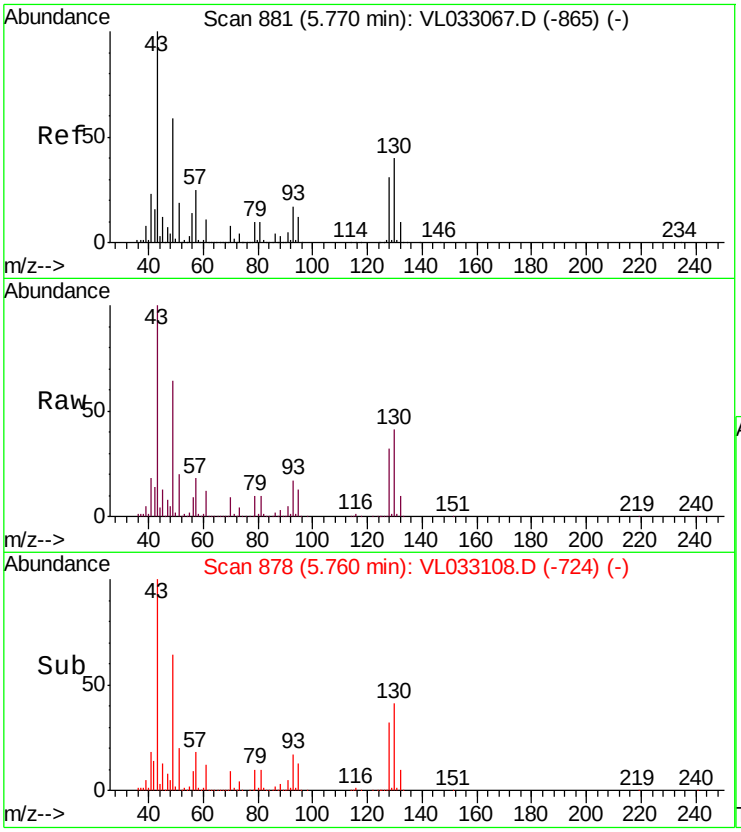
Quantitation Report (Not Reviewed)

Data File : VL033108.D
Acq On : 17 Jan 2019 1:55
Operator : SY/AP
Sample : IDOC
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Quant Time: Jan 17 03:57:39 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



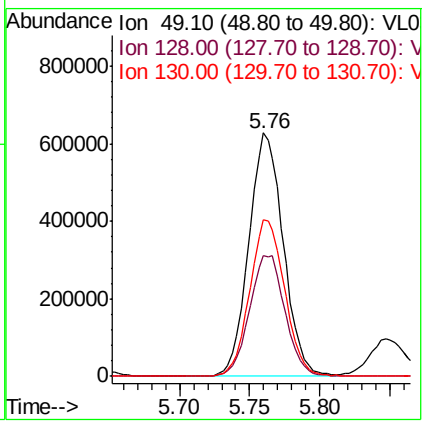


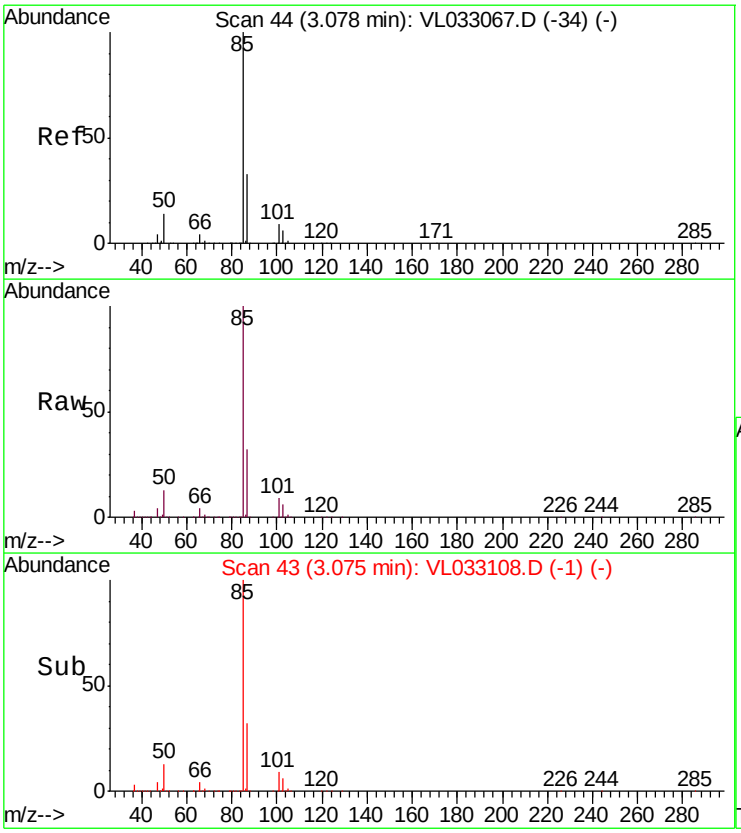
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion: 49 Resp: 1075996

Ion	Ratio	Lower	Upper
49	100		
128	51.1	26.2	78.5
130	65.6	33.6	100.6

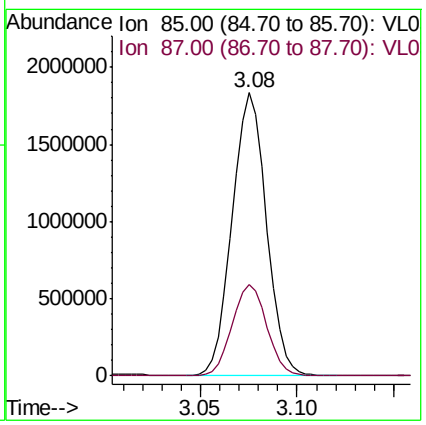


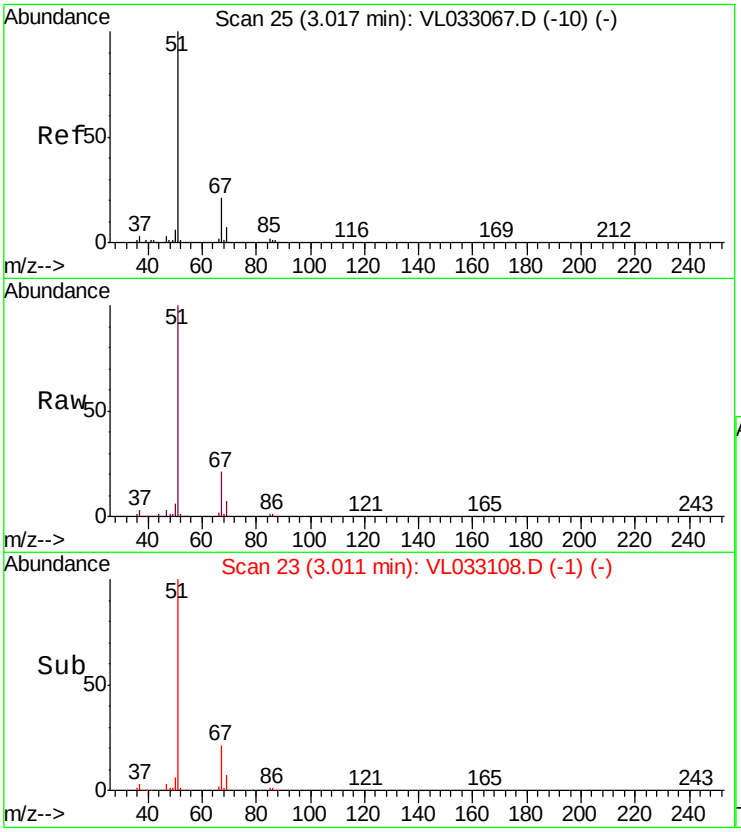


#2
Dichlorodifluoromethane
Concen: 11.256 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 85 Resp: 2254018

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.3	39.5



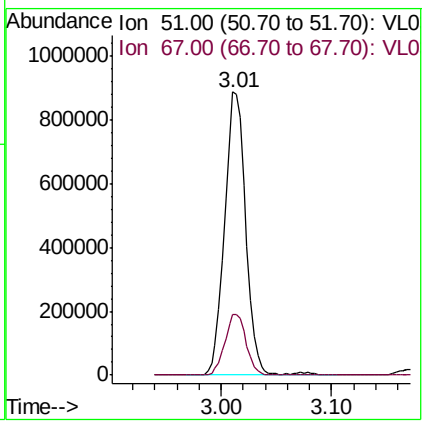


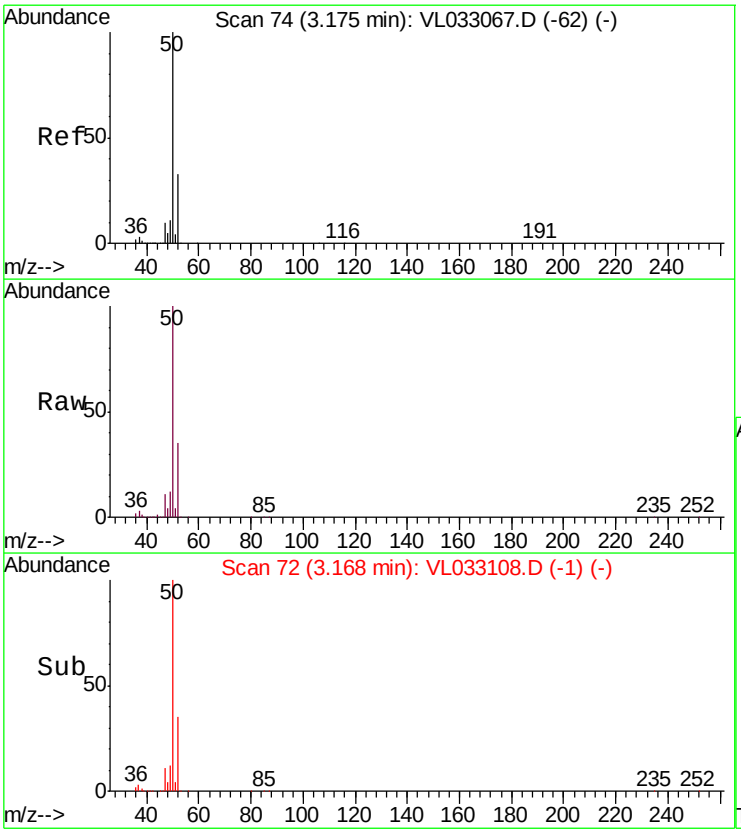
#3
Chlorodifluoromethane
Concen: 9.727 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 51 Resp: 1184742

Ion	Ratio	Lower	Upper
51	100		
67	21.6	16.3	24.5

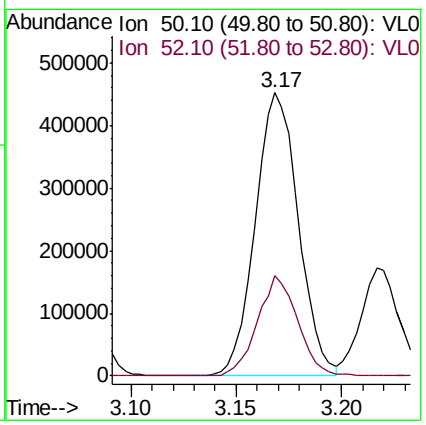


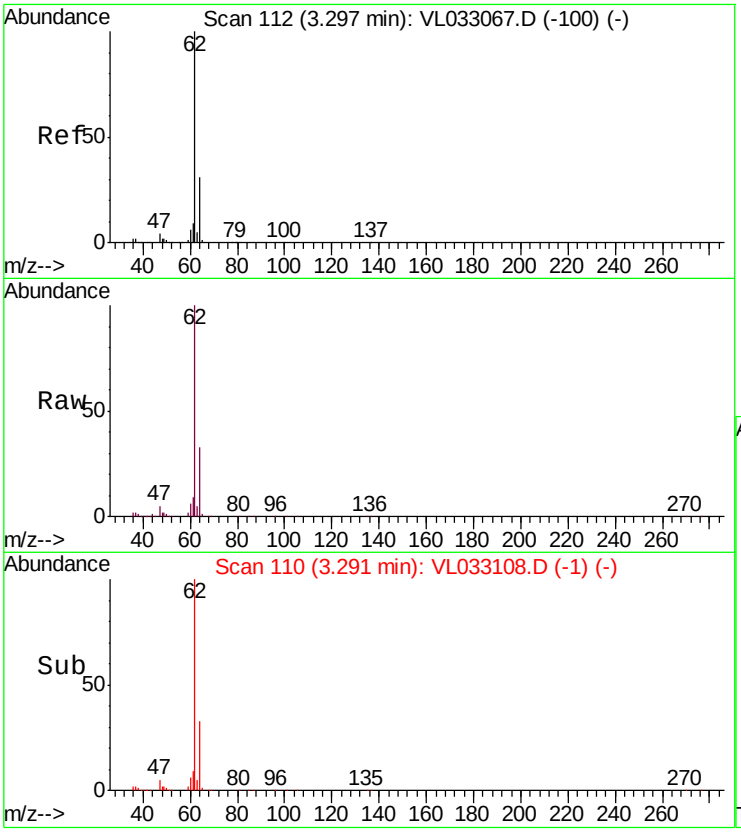


#4
Chloromethane
Concen: 9.216 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 50 Resp: 642935

Ion	Ratio	Lower	Upper
50	100		
52	35.4	26.9	40.3



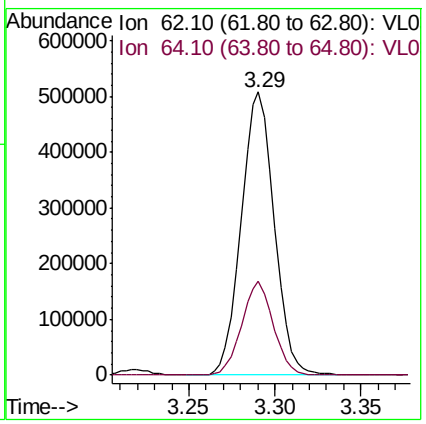


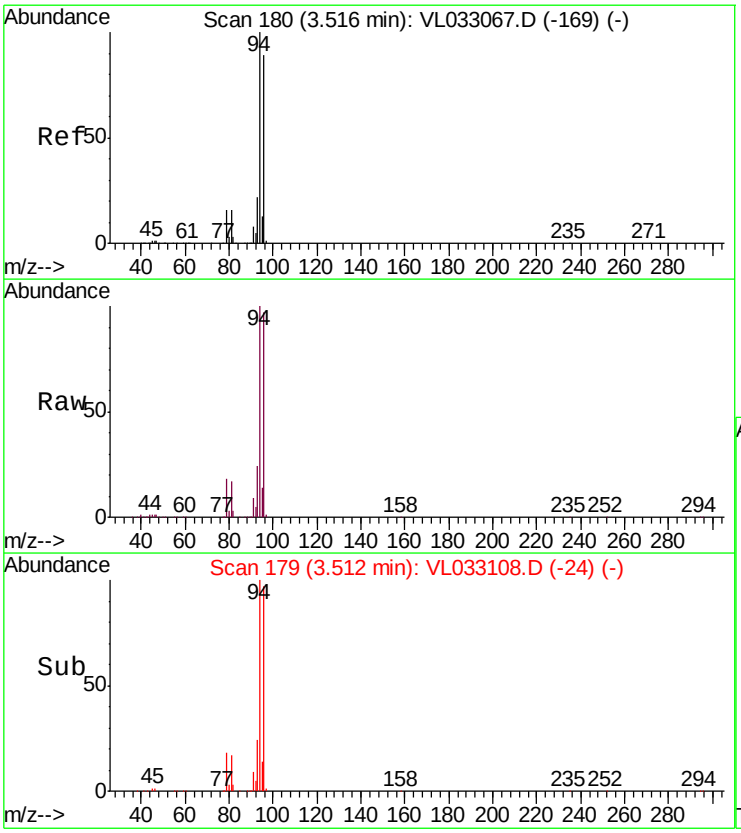
#5
Vinyl Chloride
Concen: 9.574 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion: 62 Resp: 674546

Ion	Ratio	Lower	Upper
62	100		
64	33.2	25.3	37.9

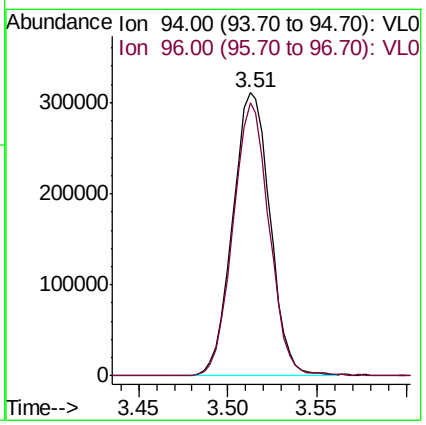


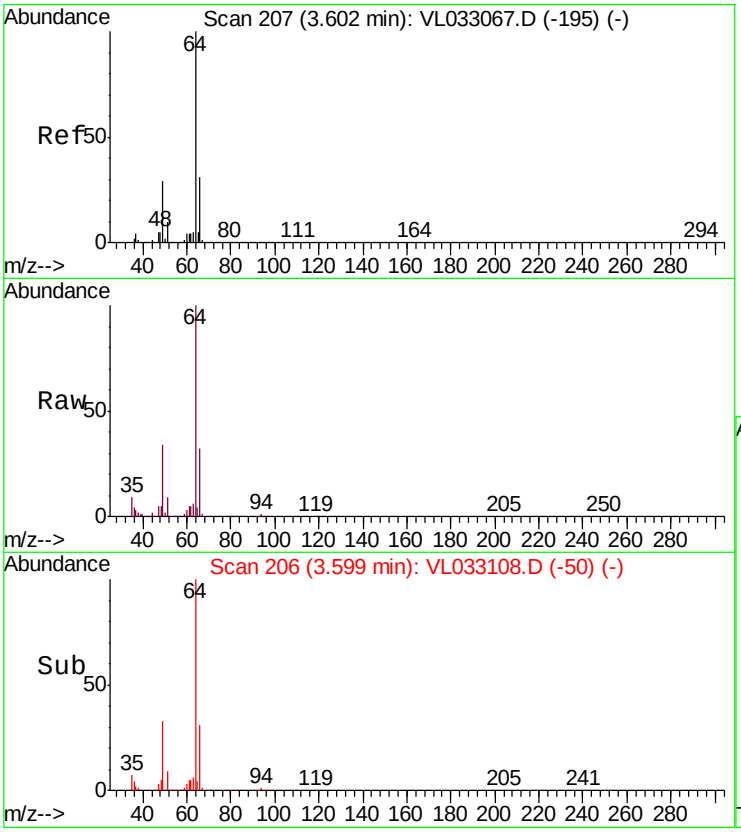


#6
Bromomethane
Concen: 9.476 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 94 Resp: 453571

Ion	Ratio	Lower	Upper
94	100		
96	96.4	72.8	109.2



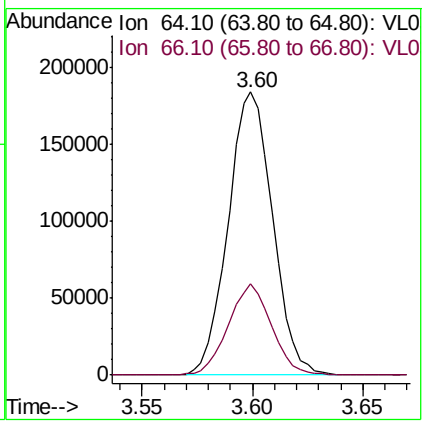


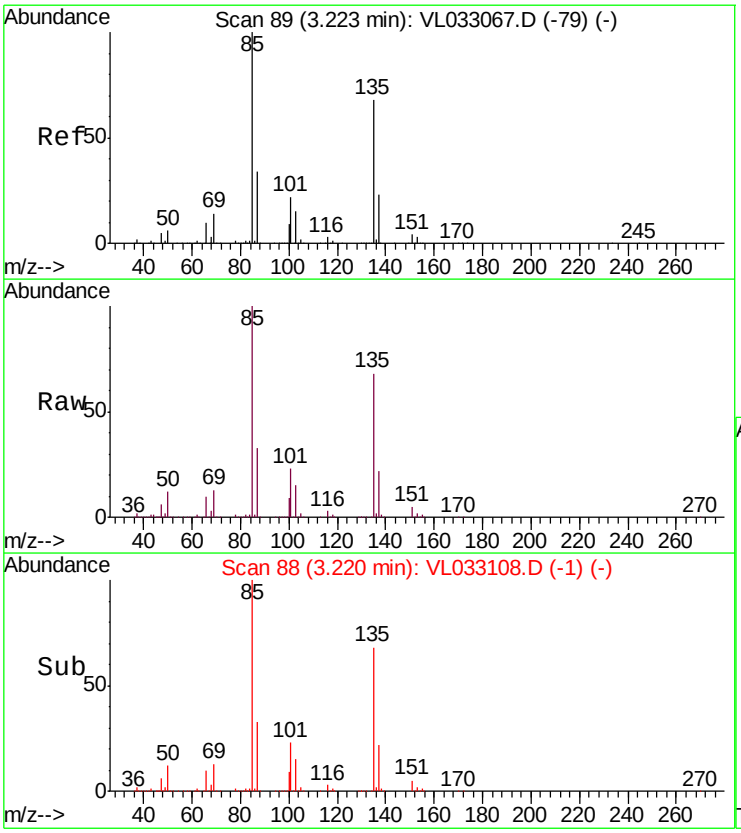
#7
Chloroethane
Concen: 9.294 ppbv
RT: 3.60 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 64 Resp: 256059

Ion	Ratio	Lower	Upper
64	100		
66	32.2	23.7	35.5

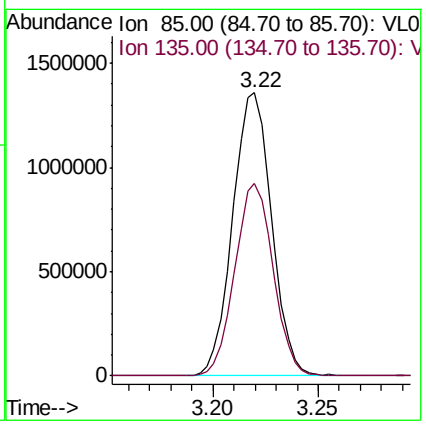


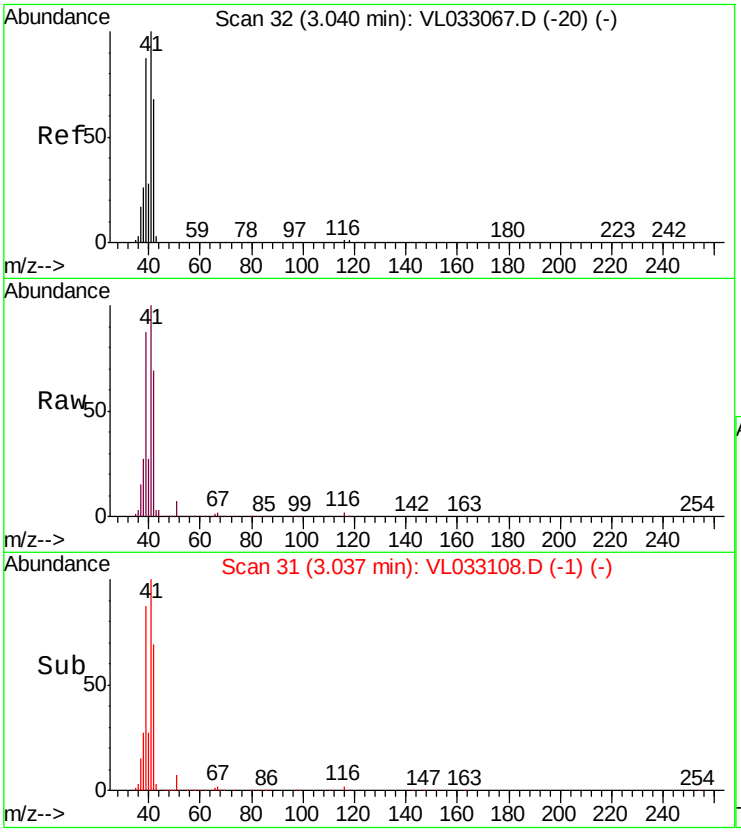


#8
Dichlorotetrafluoroethane
Concen: 10.050 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 85 Resp: 1733423

Ion	Ratio	Lower	Upper
85	100		
135	67.6	54.9	82.3



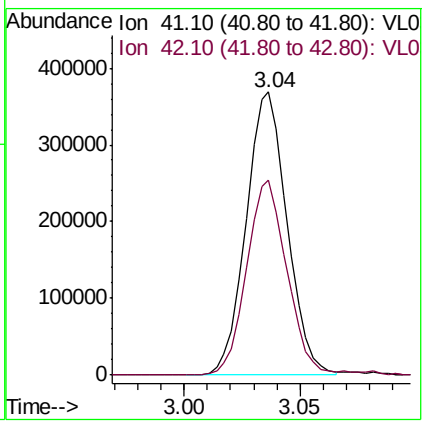


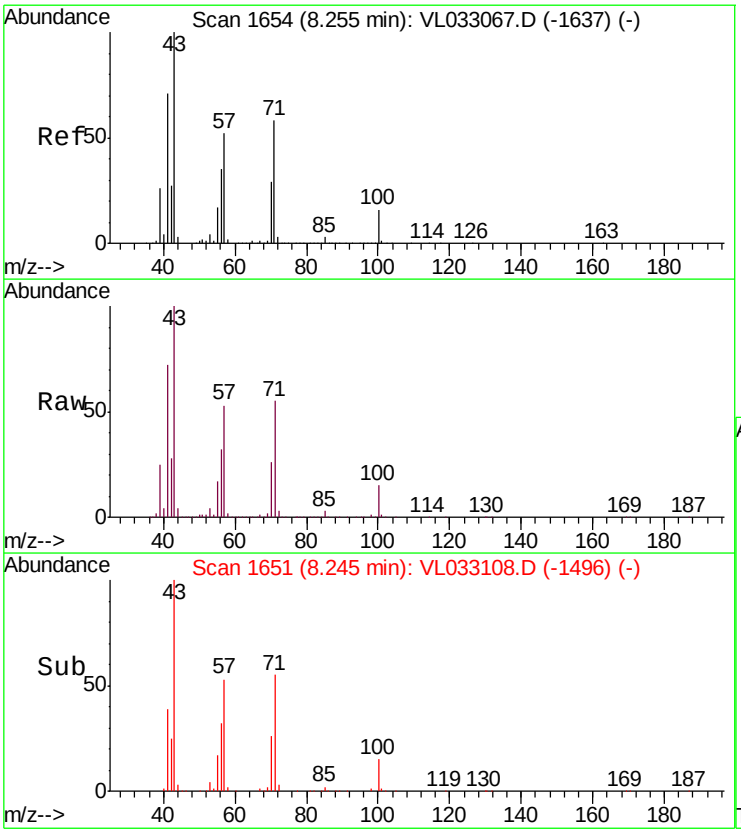
#9
Propene
Concen: 9.971 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 41 Resp: 453682

Ion	Ratio	Lower	Upper
41	100		
42	68.7	55.3	82.9

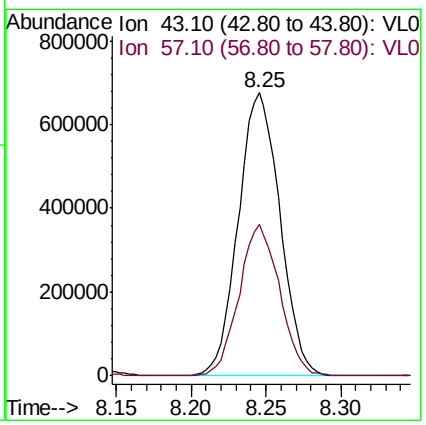


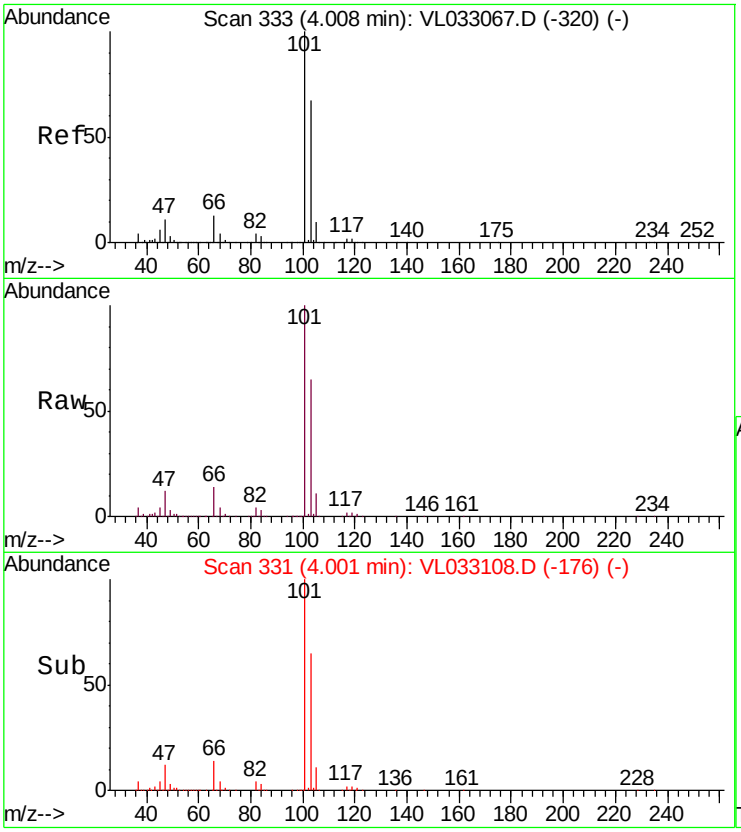


#10
Heptane
Concen: 10.081 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 43 Resp: 1306047

Ion	Ratio	Lower	Upper
43	100		
57	52.4	41.9	62.9



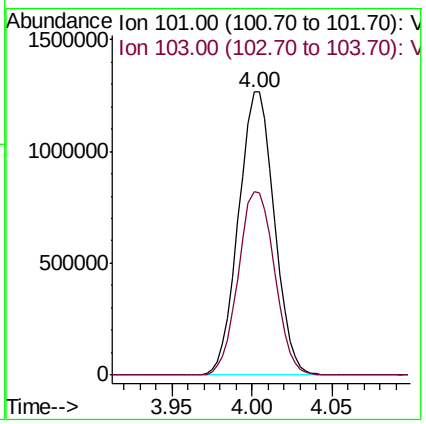


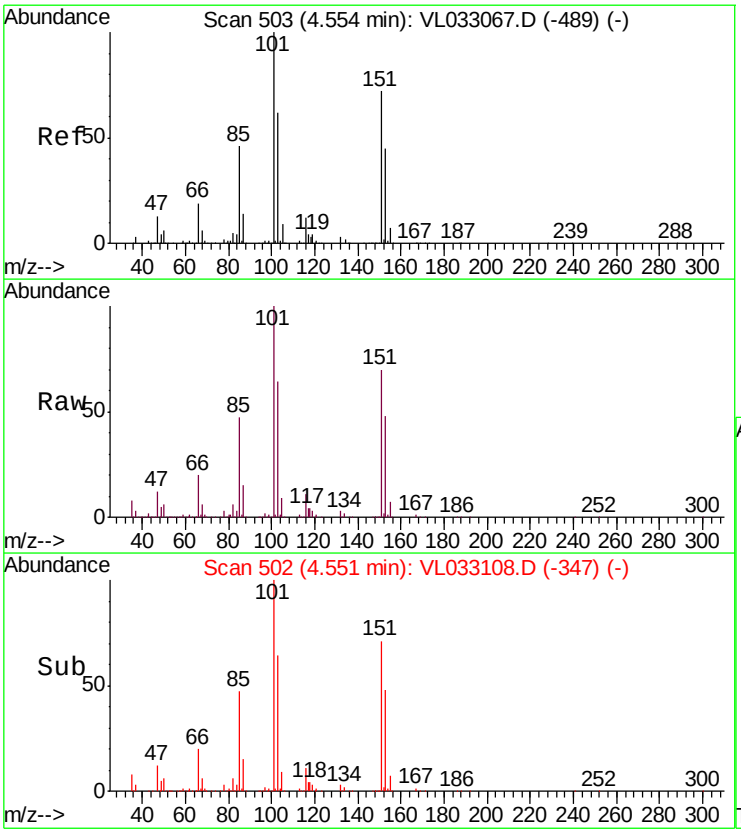
#11
Trichlorofluoromethane
Concen: 8.703 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion:101 Resp: 1925658

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.7	77.5

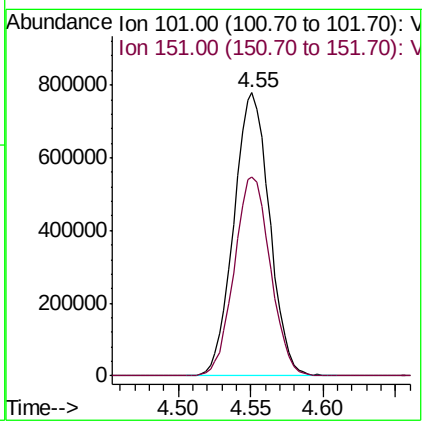


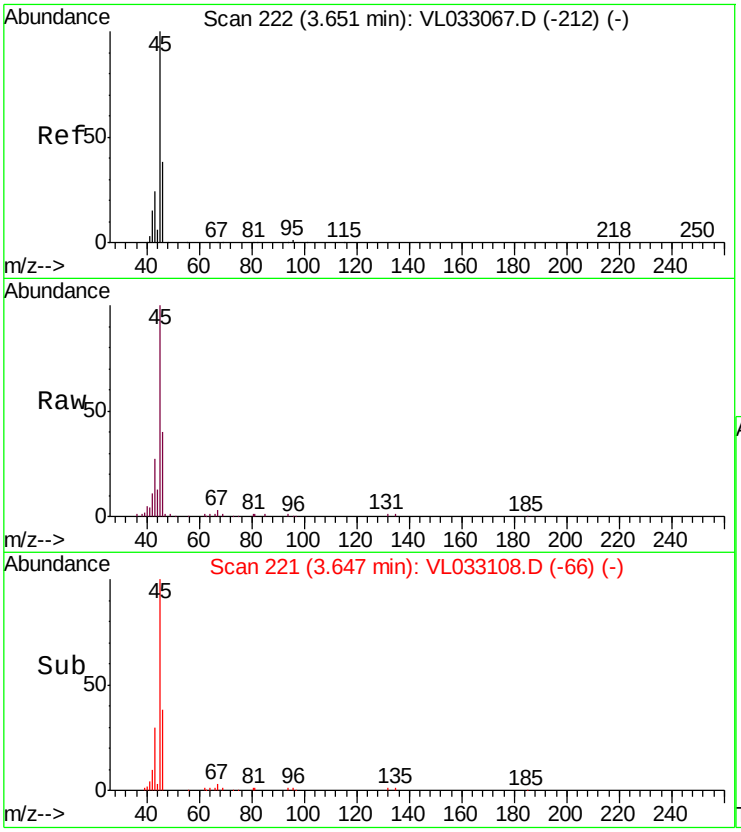


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.524 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:101 Resp: 1332573

Ion	Ratio	Lower	Upper
101	100		
151	71.5	58.3	87.5



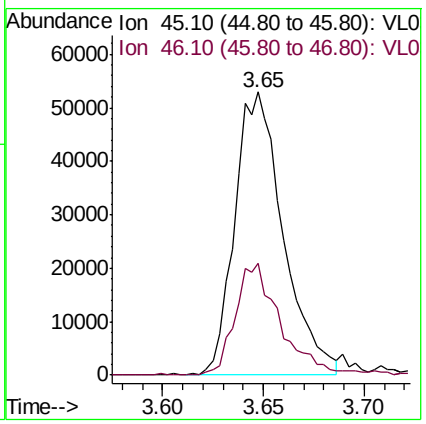


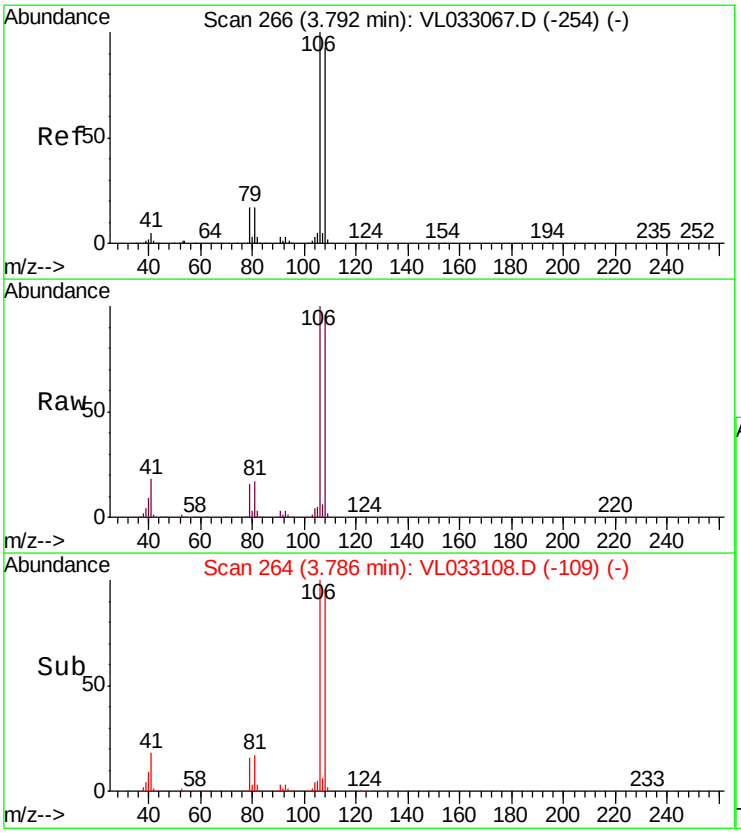
#13
Ethanol
Concen: 4.906 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 45 Resp: 89024

Ion	Ratio	Lower	Upper
45	100		
46	38.0	13.8	55.2

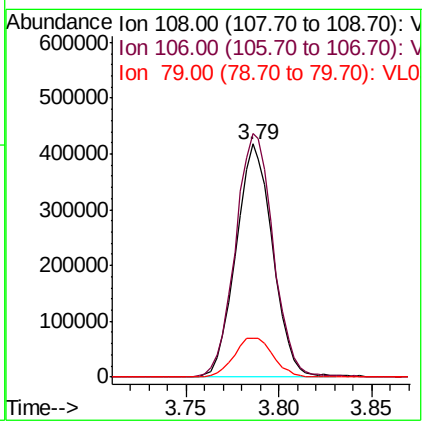


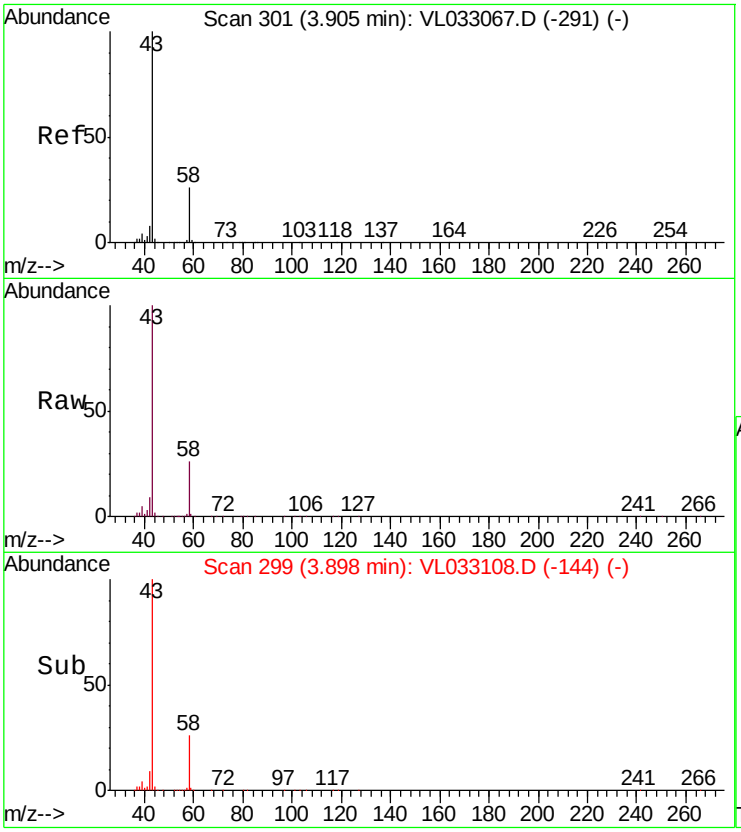


#14
Bromoethene
Concen: 9.282 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:108 Resp: 573612

Ion	Ratio	Lower	Upper
108	100		
106	108.0	86.4	129.6
79	18.5	14.3	21.5



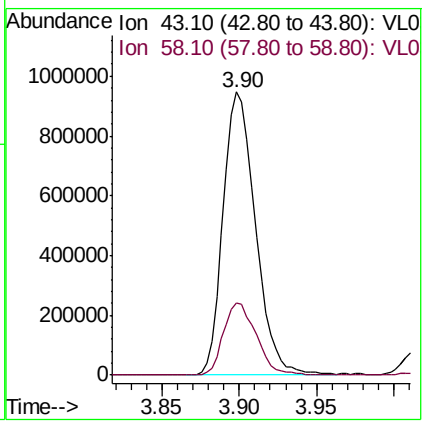


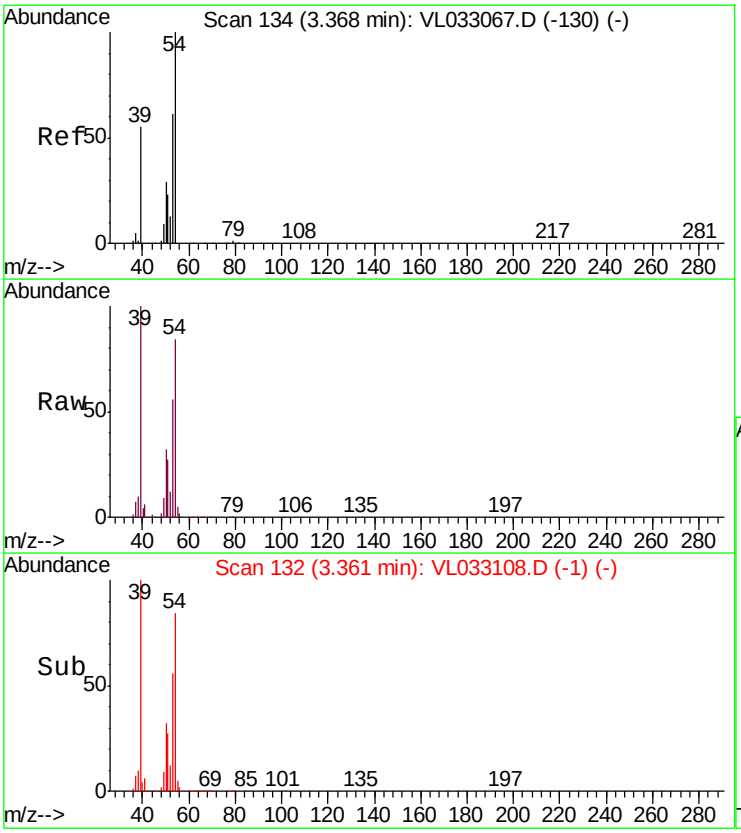
#15
Acetone
Concen: 9.231 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion: 43 Resp: 1374765

Ion	Ratio	Lower	Upper
43	100		
58	25.9	21.1	31.7

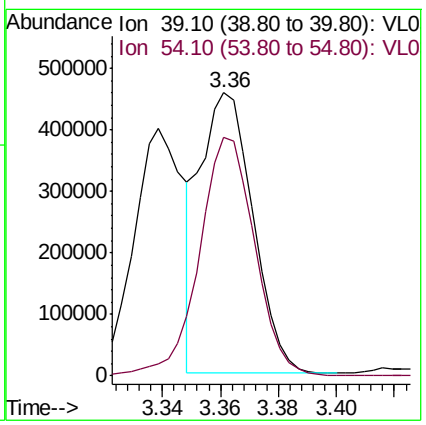


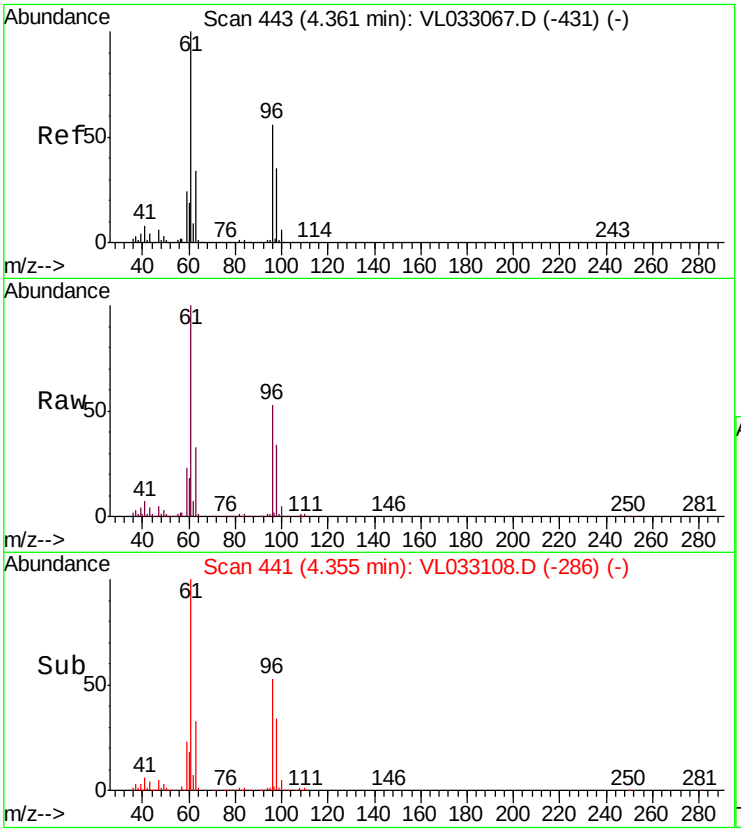


#16
1,3-Butadiene
Concen: 10.233 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 39 Resp: 574704

Ion	Ratio	Lower	Upper
39	100		
54	90.4	73.7	110.5



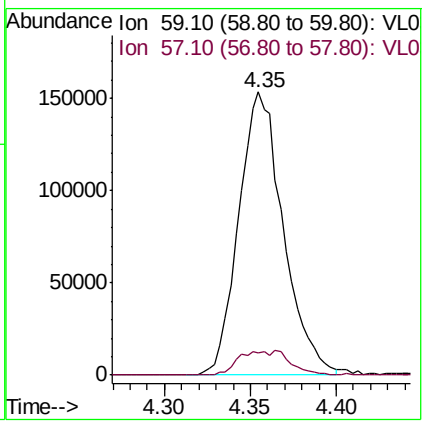


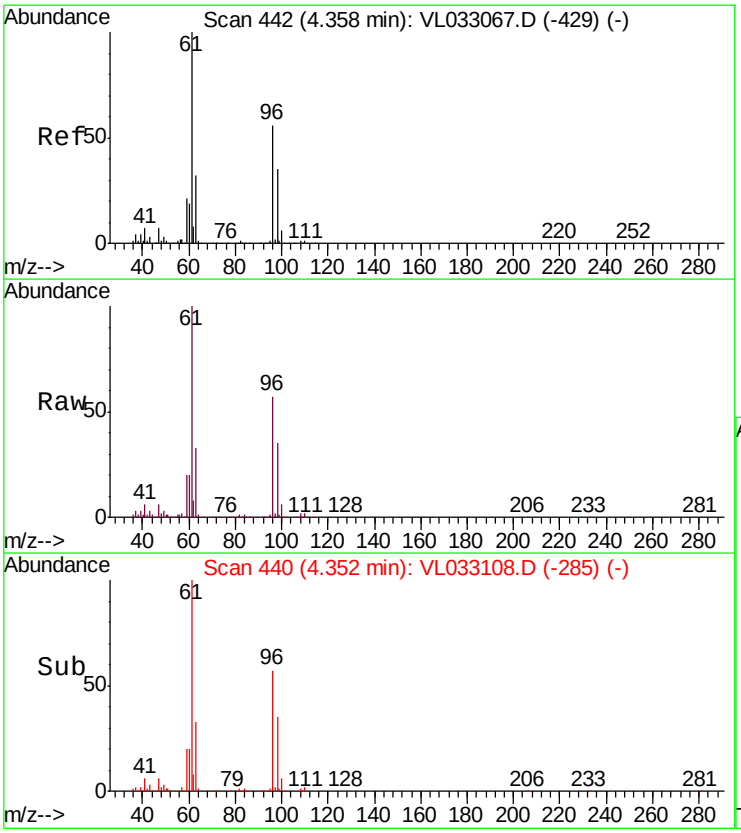
#17
tert-Butyl alcohol
Concen: 8.718 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion: 59 Resp: 275032

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.7	11.5

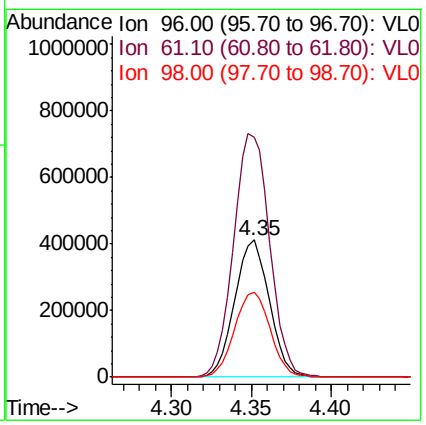


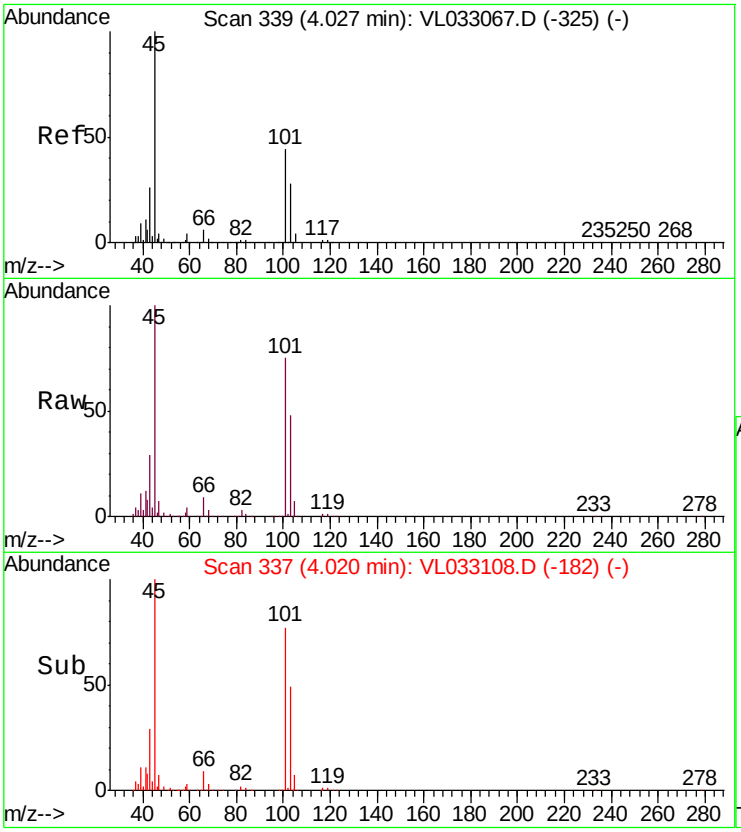


#18
1,1-Dichloroethene
Concen: 9.392 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 96 Resp: 605321

Ion	Ratio	Lower	Upper
96	100		
61	175.5	143.7	215.5
98	62.1	52.1	78.1



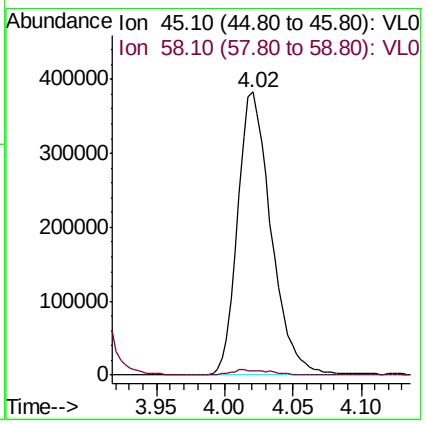


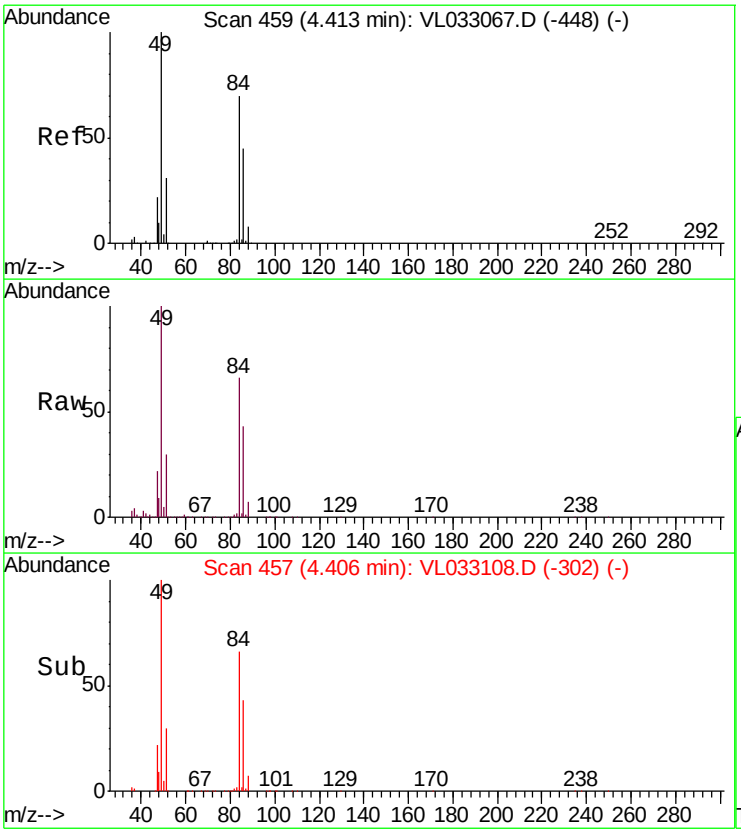
#19
Isopropyl Alcohol
Concen: 6.369 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 45 Resp: 653043

Ion	Ratio	Lower	Upper
45	100		
58	2.7	1.4	2.2#

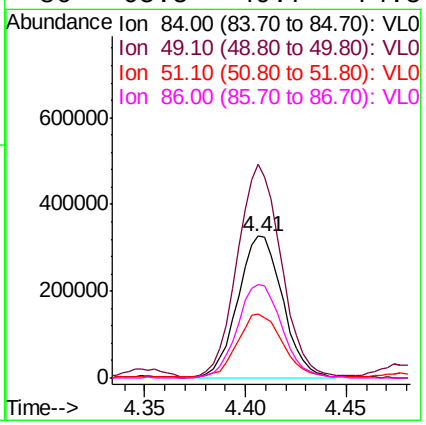


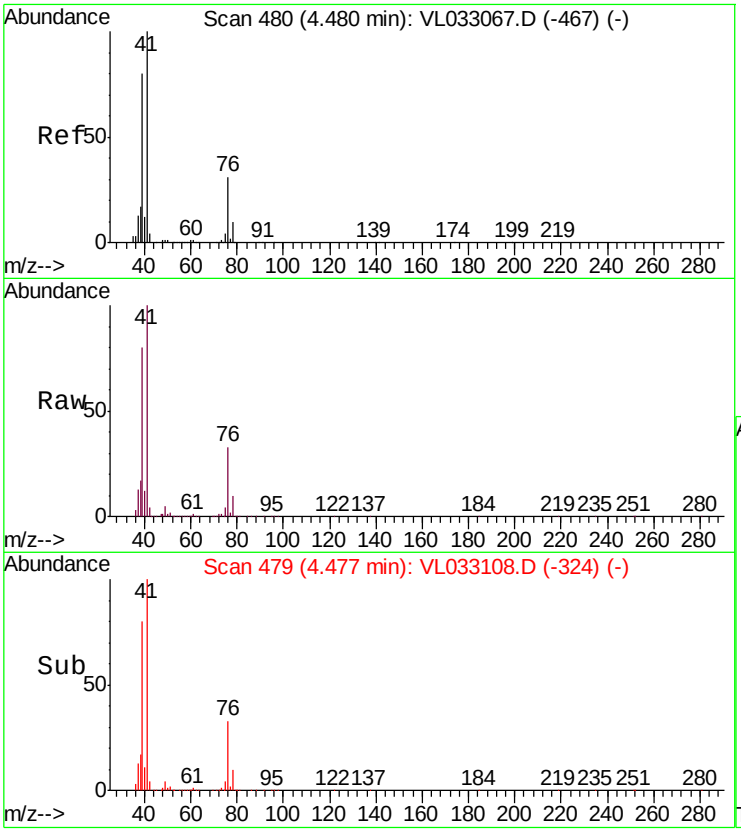


#20
Methylene Chloride
Concen: 8.184 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 84 Resp: 508133

Ion	Ratio	Lower	Upper
84	100		
49	149.8	115.8	173.6
51	44.9	35.7	53.5
86	65.5	49.7	74.5



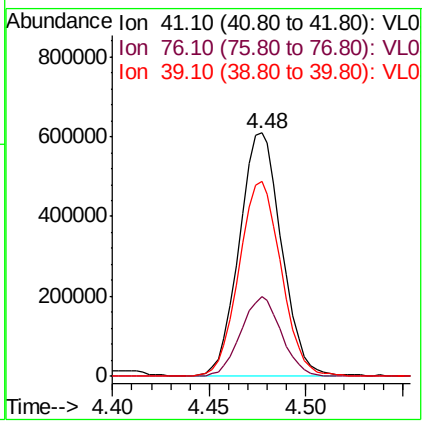


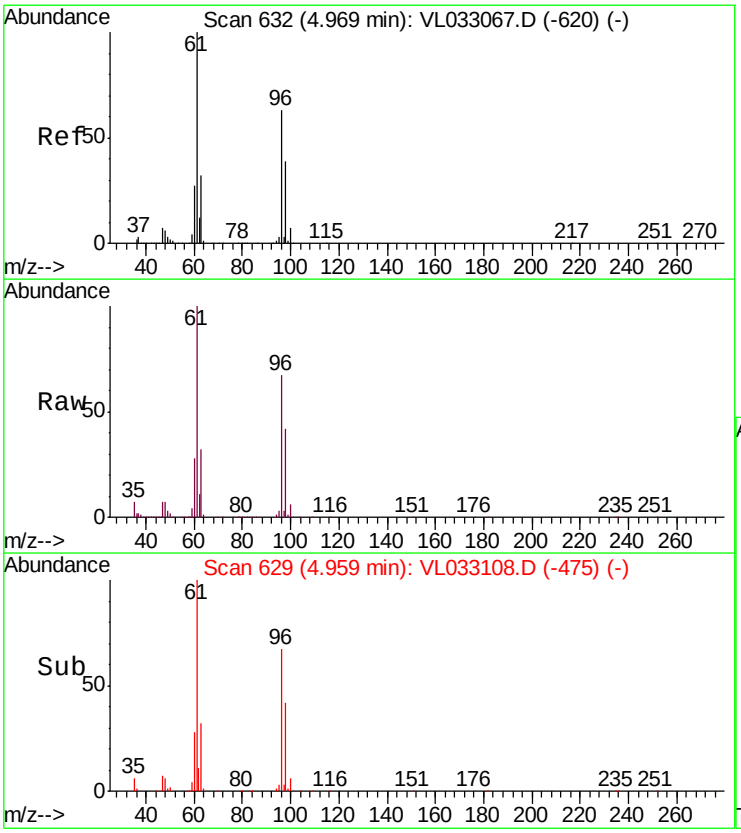
#21
Allyl Chloride
Concen: 10.012 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 41 Resp: 924023

Ion	Ratio	Lower	Upper
41	100		
76	31.5	24.6	36.8
39	80.5	62.8	94.2

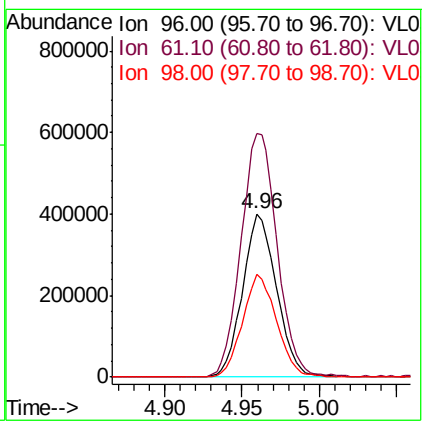


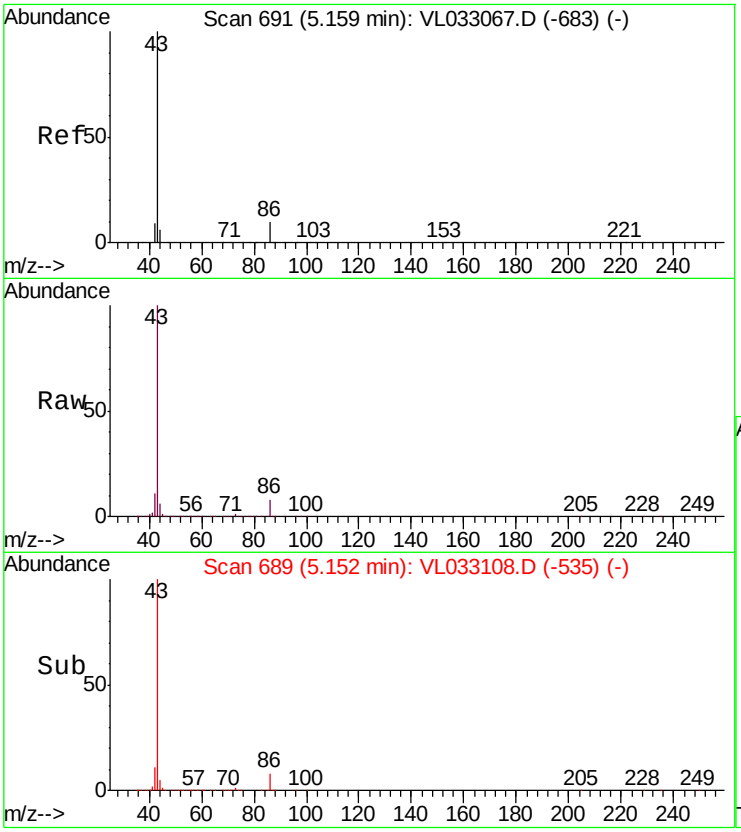


#22
trans-1,2-Dichloroethene
Concen: 9.578 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 96 Resp: 611854

Ion	Ratio	Lower	Upper
96	100		
61	149.4	125.2	187.8
98	63.0	50.9	76.3



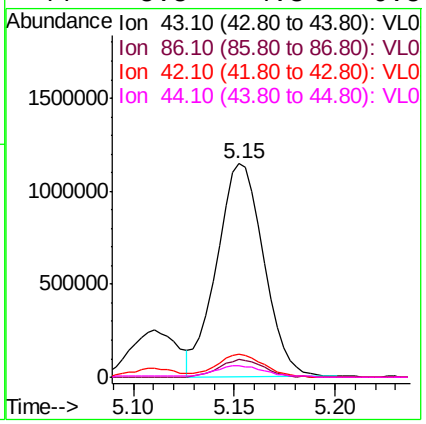


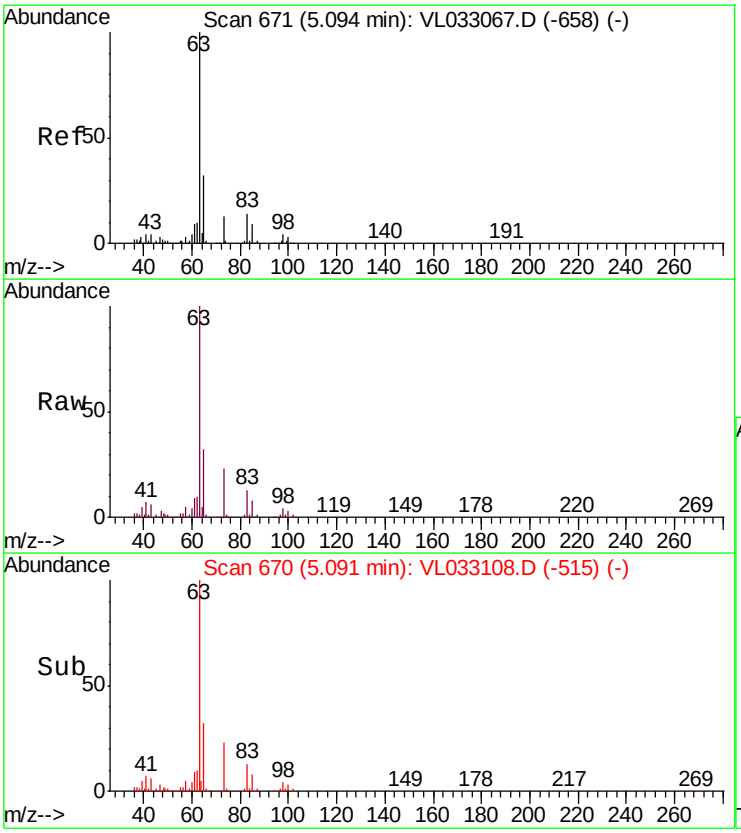
#23
Vinyl Acetate
Concen: 9.799 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 43 Resp: 1856527

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.2	9.4
42	11.0	8.1	12.1
44	5.5	4.3	6.5

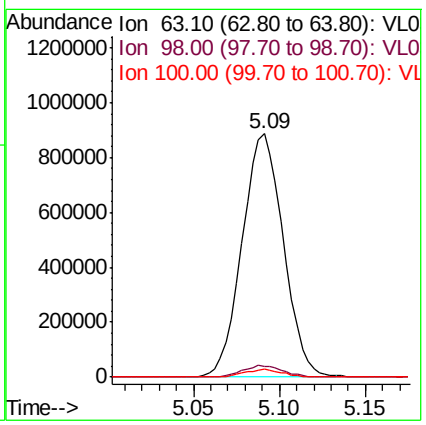


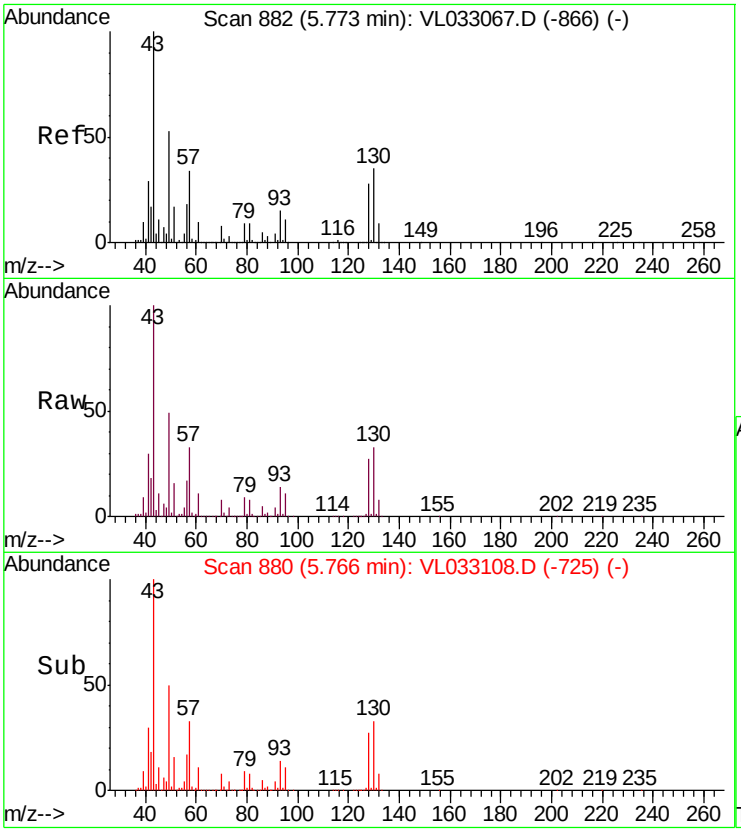


#24
1,1-Dichloroethane
Concen: 9.158 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 63 Resp: 1473192

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.4	7.2
100	3.2	1.4	4.0



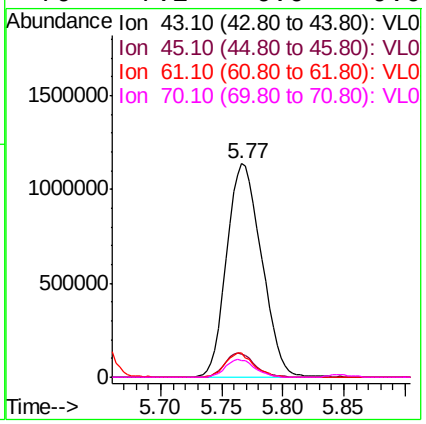


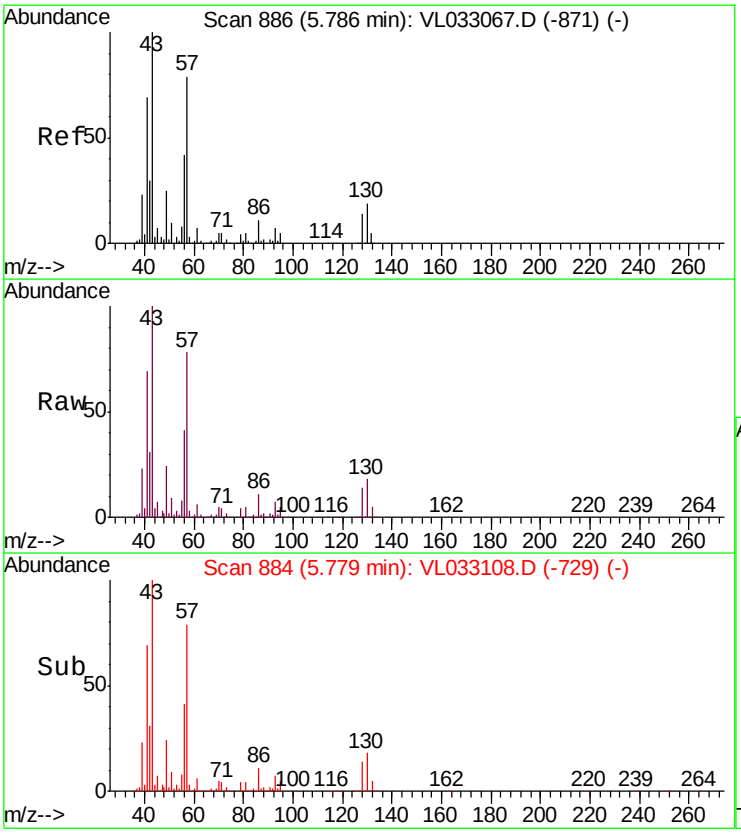
#25
Ethyl Acetate
Concen: 8.983 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 43 Resp: 2261460

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.7	7.8	11.8
70	7.2	6.0	9.0

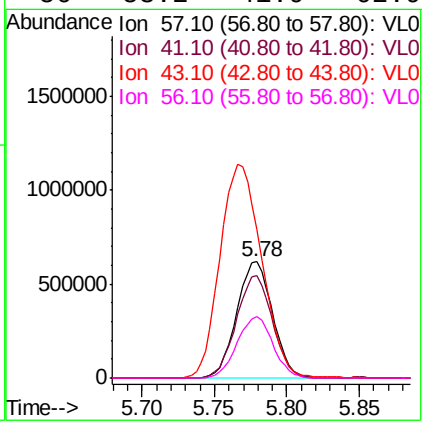


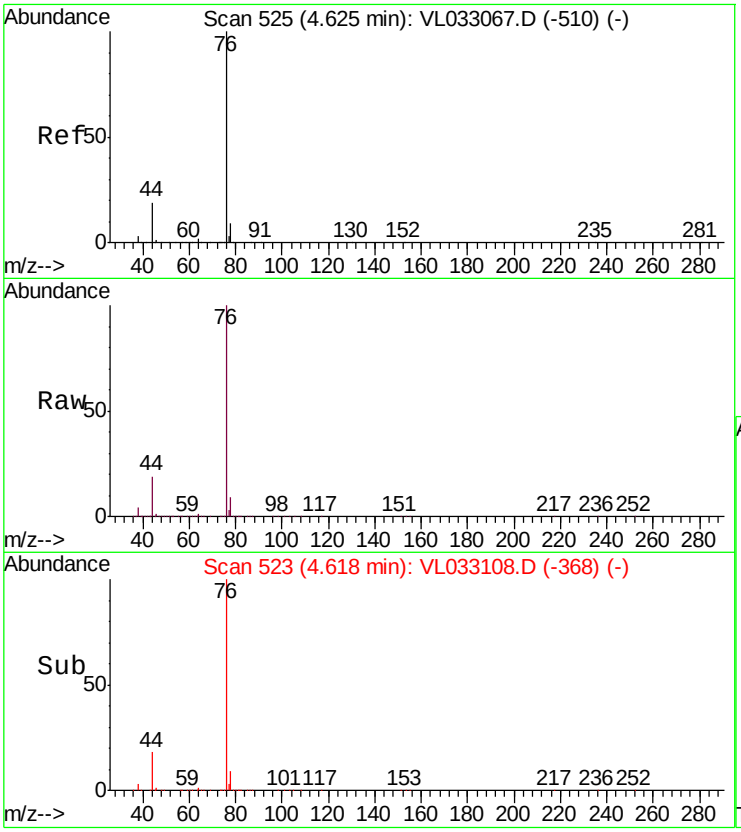


#26
Hexane
Concen: 8.947 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 57 Resp: 1060551

Ion	Ratio	Lower	Upper
57	100		
41	89.5	70.8	106.2
43	214.5	171.8	257.6
56	53.2	41.9	62.9



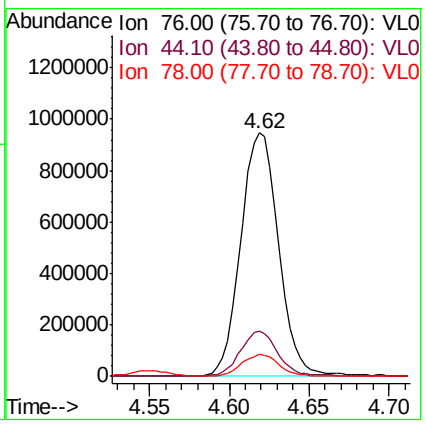


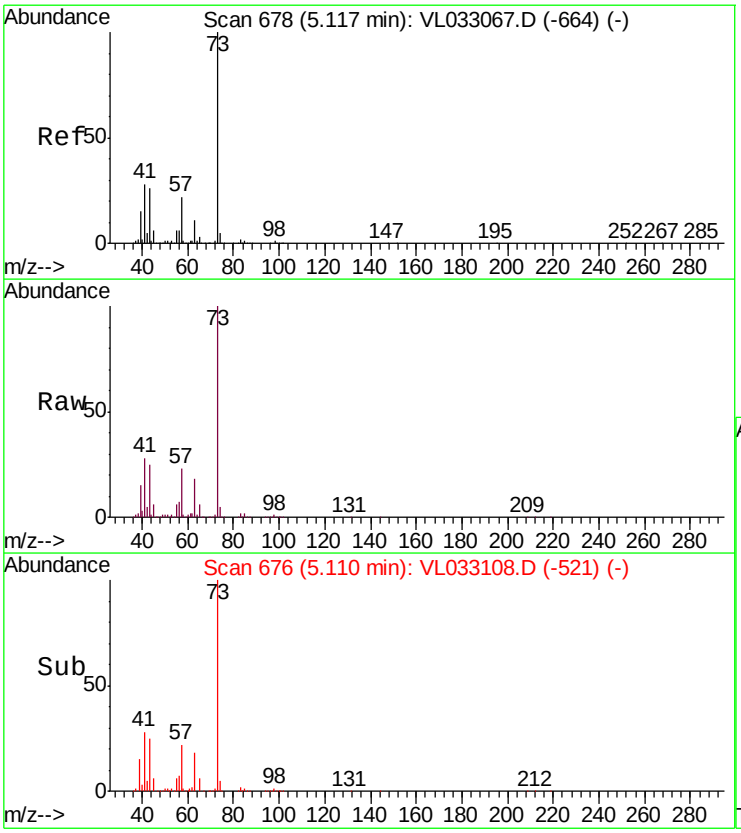
#27
Carbon Disulfide
Concen: 10.398 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 76 Resp: 1520063

Ion	Ratio	Lower	Upper
76	100		
44	18.2	13.9	20.9
78	9.0	7.3	10.9

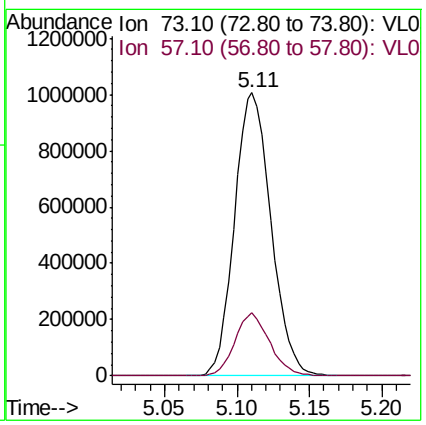


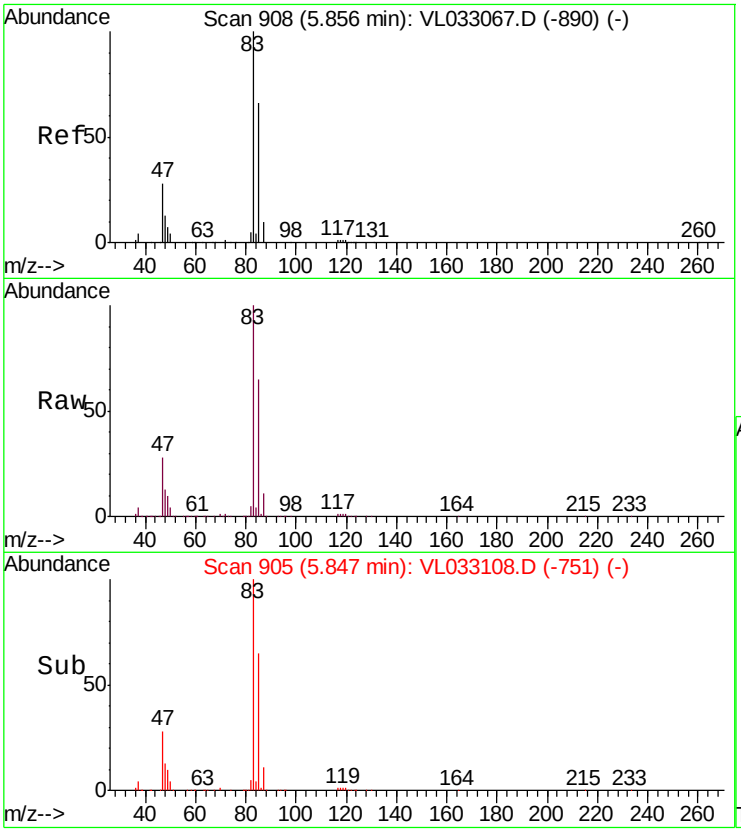


#28
Methyl tert-Butyl Ether
Concen: 9.517 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 73 Resp: 1760879

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.5	26.3



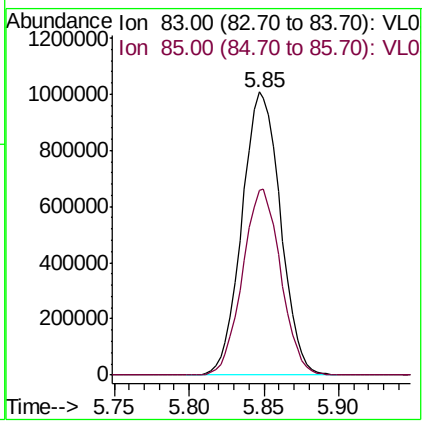


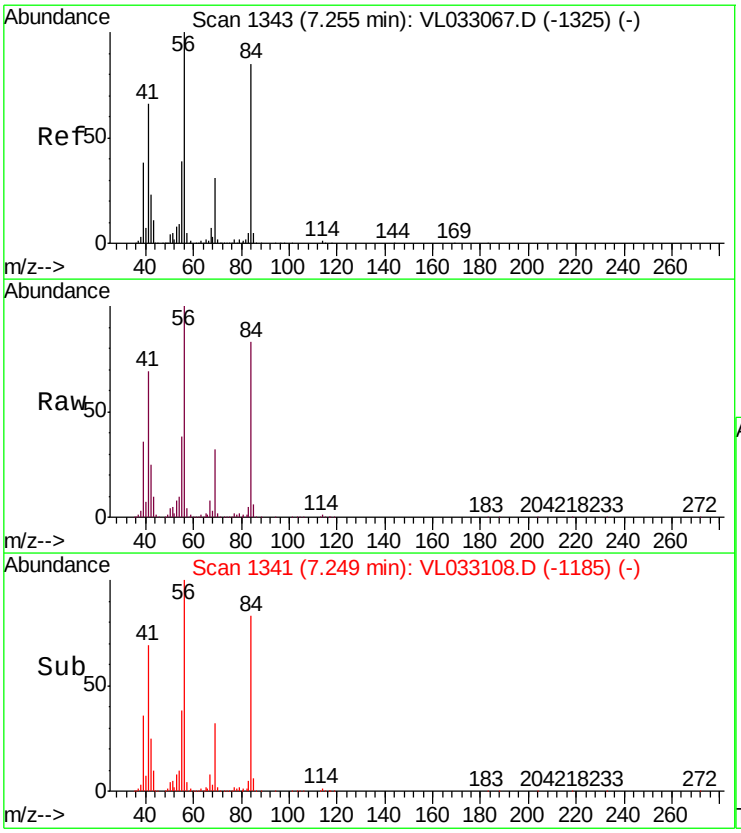
#29
Chloroform
Concen: 8.962 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion: 83 Resp: 1810325

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.5	78.7

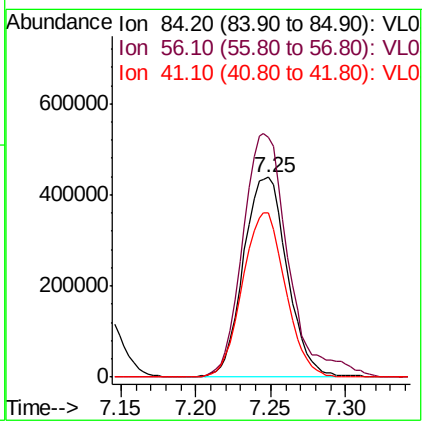


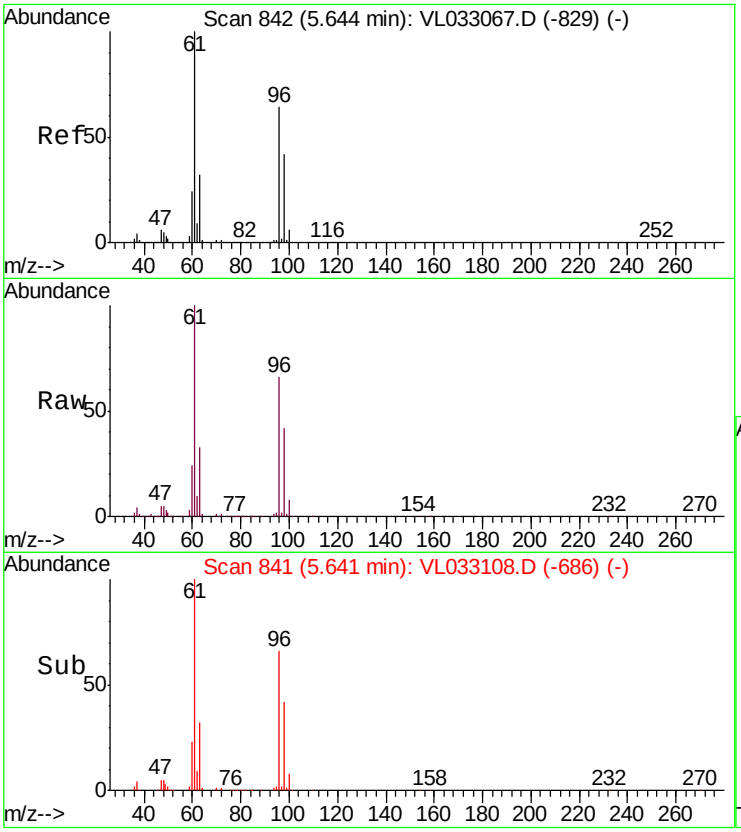


#30
Cyclohexane
Concen: 10.100 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 84 Resp: 892659

Ion	Ratio	Lower	Upper
84	100		
56	127.6	101.8	152.6
41	81.1	63.2	94.8



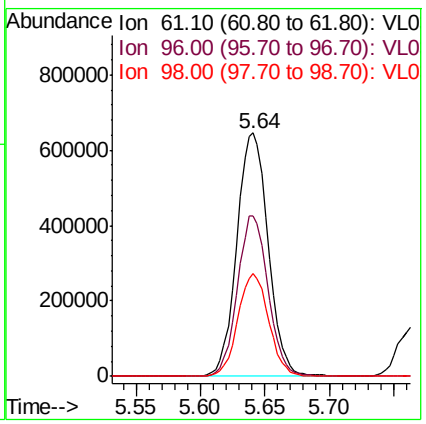


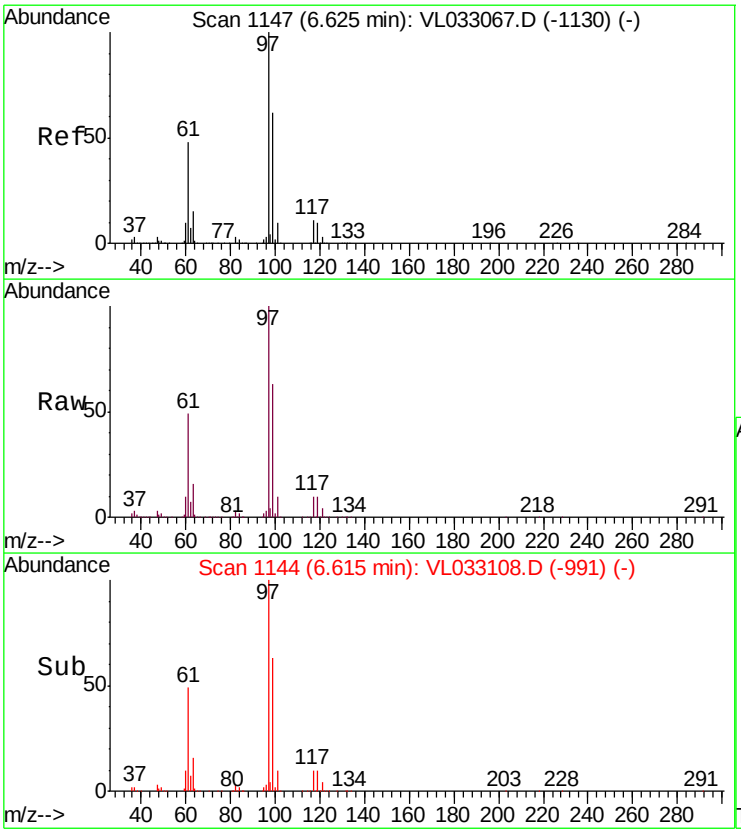
#31
cis-1,2-Dichloroethene
Concen: 9.899 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion: 61 Resp: 1089569

Ion	Ratio	Lower	Upper
61	100		
96	65.7	52.8	79.2
98	42.3	33.8	50.6

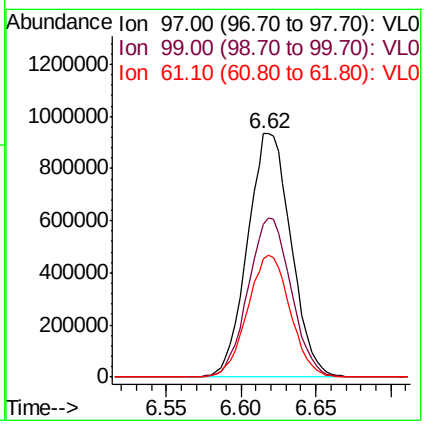


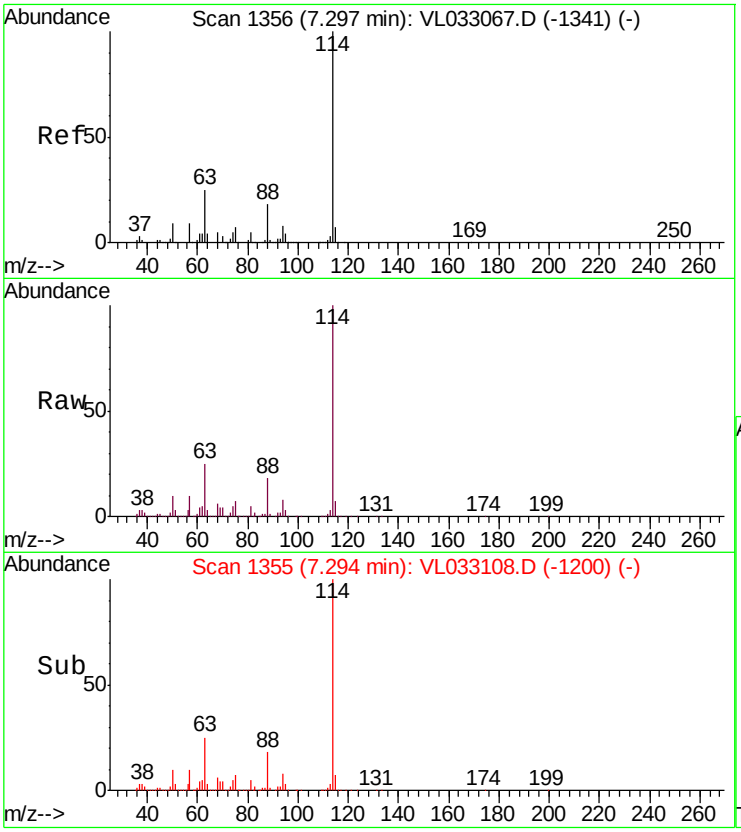


#32
1,1,1-Trichloroethane
Concen: 9.207 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 97 Resp: 1887646

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.1	76.7
61	49.4	38.3	57.5



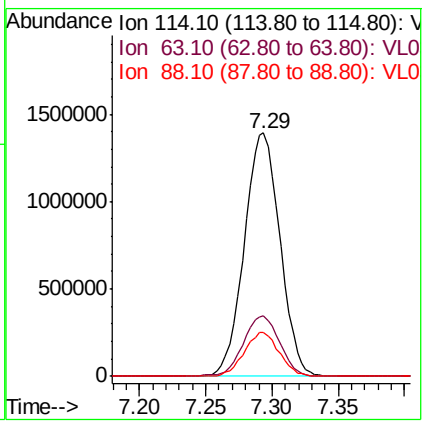


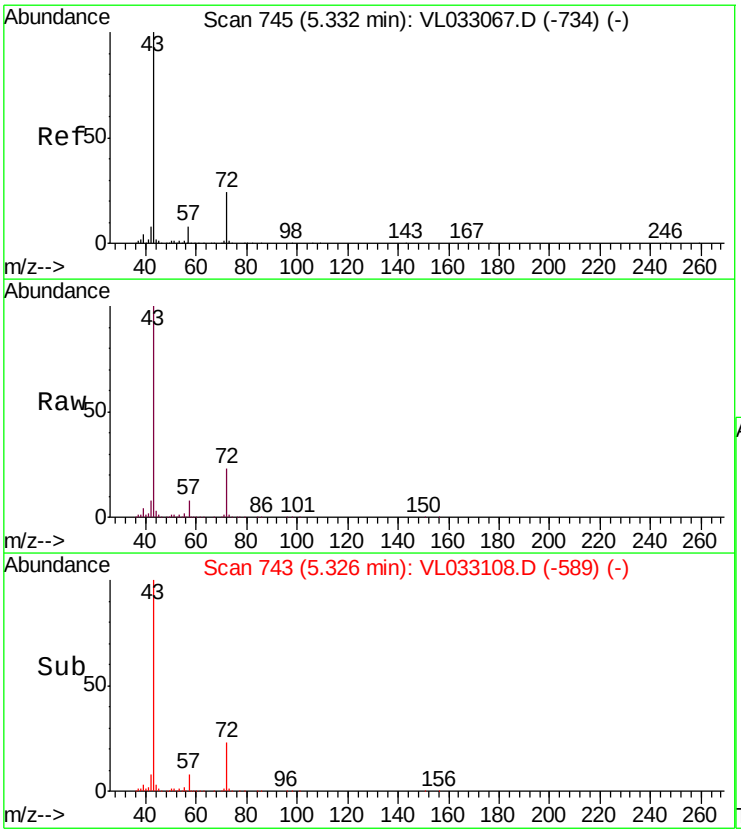
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion:114 Resp: 2605678

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.1	30.1
88	17.7	14.0	21.0

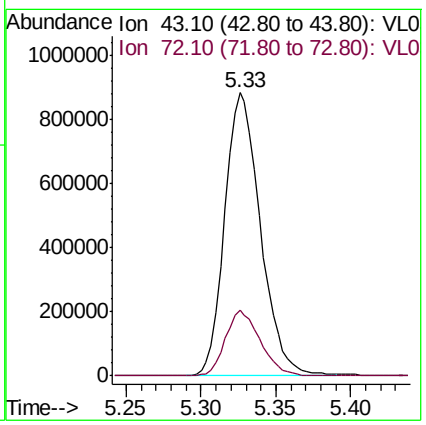


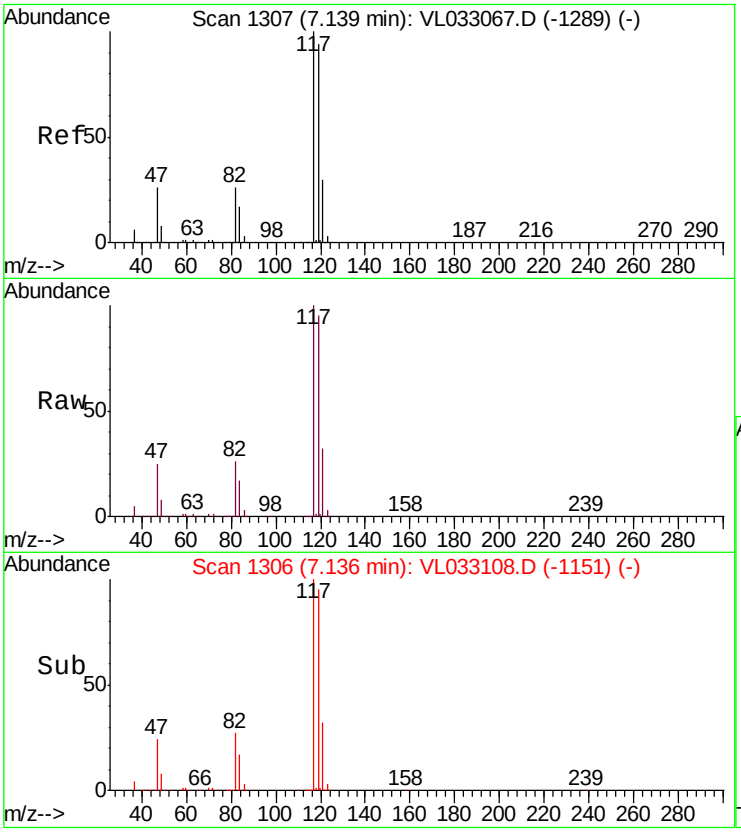


#34
2-Butanone
Concen: 9.672 ppbv
RT: 5.33 min Scan# 743
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 43 Resp: 1464275

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.9	28.3



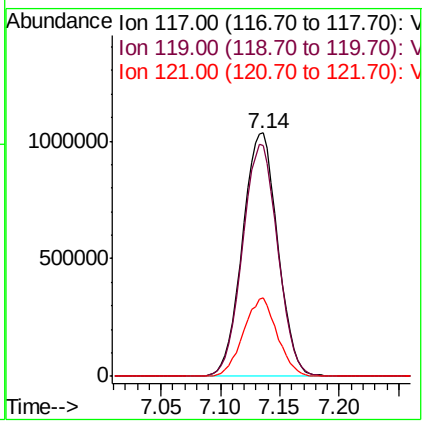


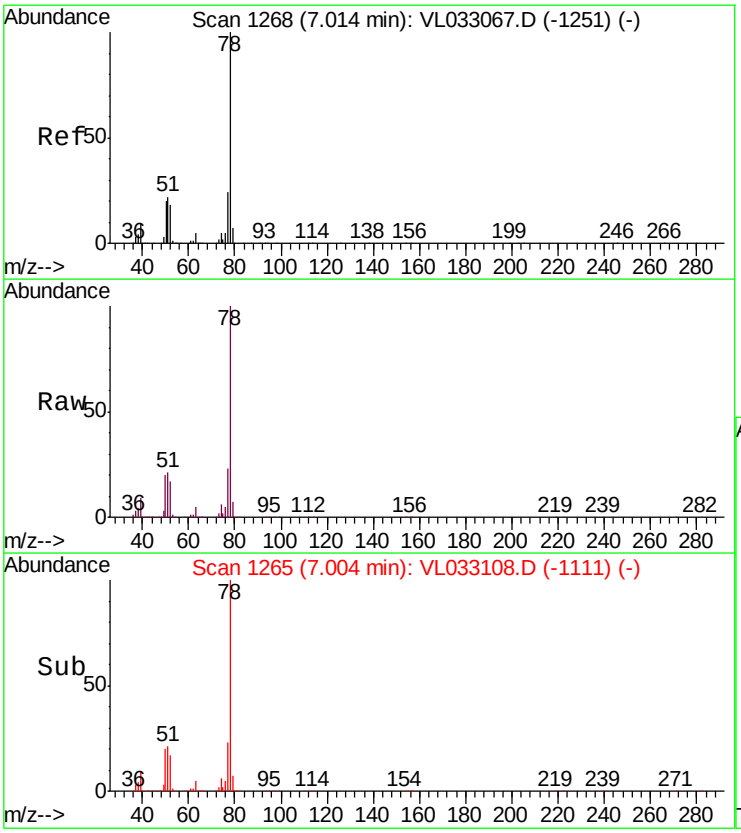
#35
Carbon Tetrachloride
Concen: 9.463 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion:117 Resp: 2118032

Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.5	114.7
121	32.2	25.2	37.8

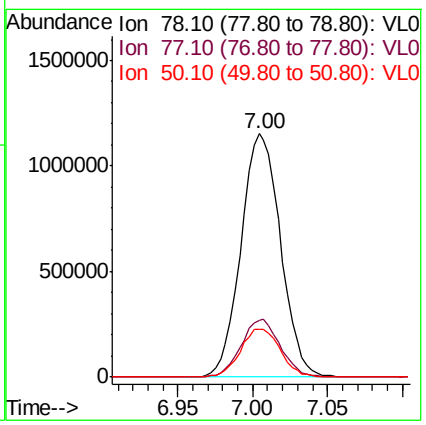


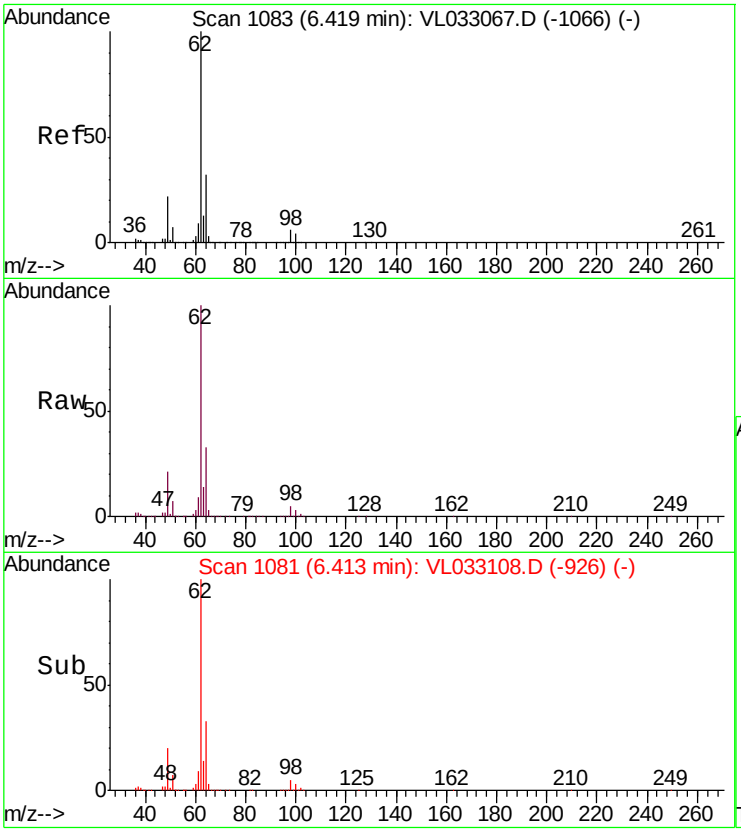


#36
Benzene
Concen: 9.940 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 78 Resp: 2121563

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7
50	19.6	15.7	23.5



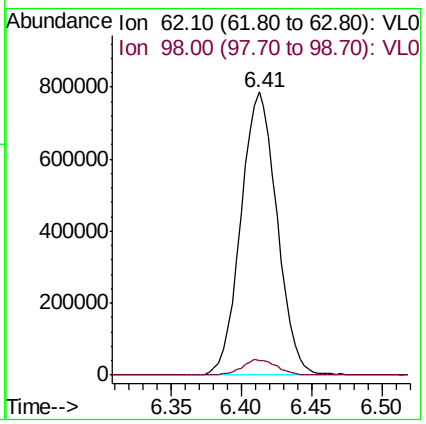


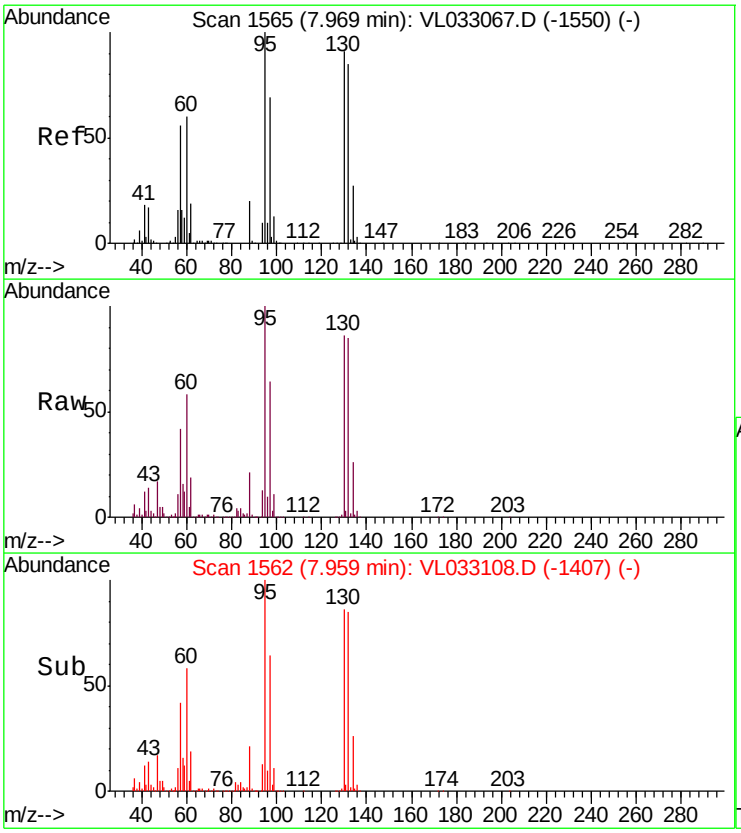
#37
1,2-Dichloroethane
Concen: 9.472 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 62 Resp: 1411642

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.6	7.0

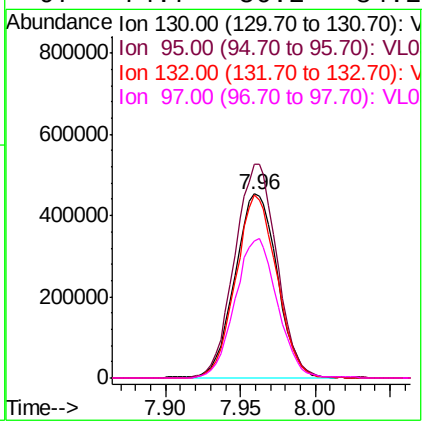


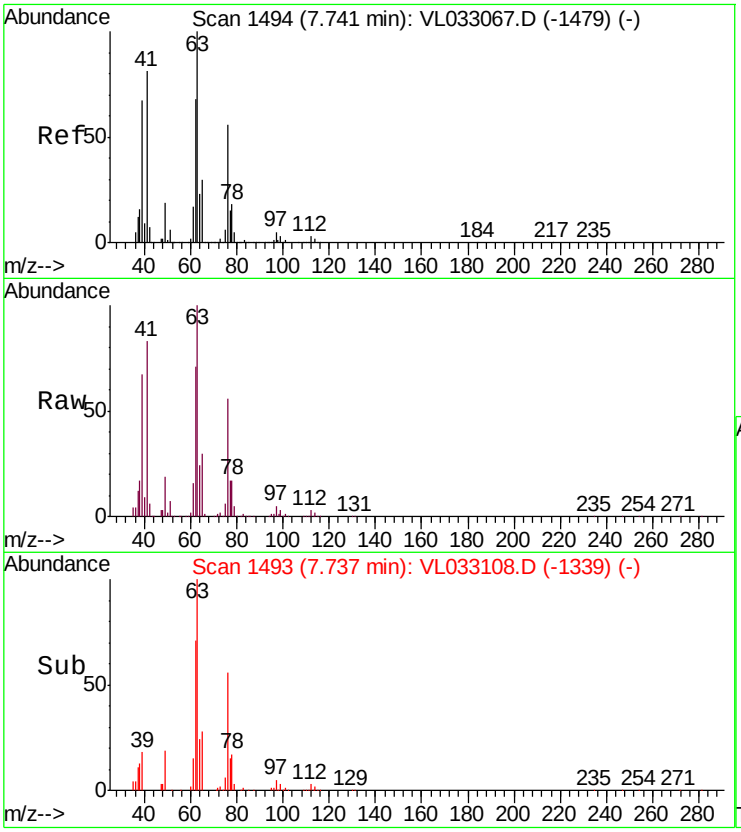


#38
Trichloroethene
Concen: 10.130 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:130 Resp: 889448

Ion	Ratio	Lower	Upper
130	100		
95	115.9	88.6	132.8
132	99.2	74.2	111.2
97	74.7	56.2	84.2



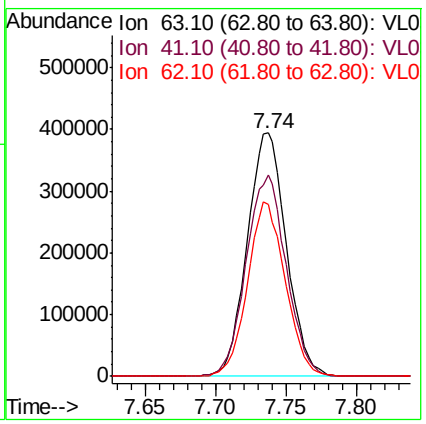


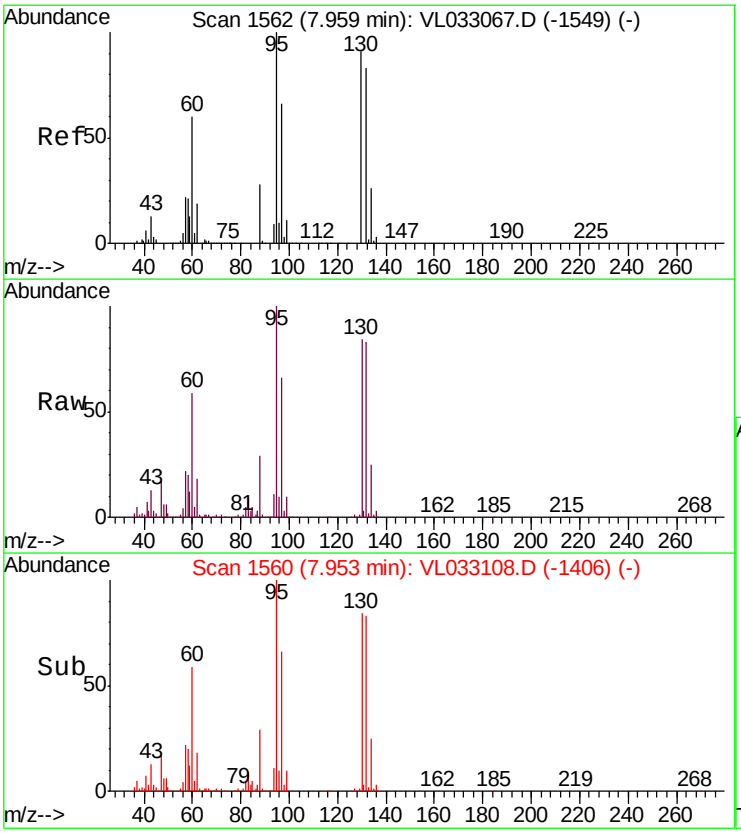
#39
1,2-Dichloropropane
Concen: 9.544 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion: 63 Resp: 765265

Ion	Ratio	Lower	Upper
63	100		
41	82.7	61.9	92.9
62	70.5	55.8	83.6

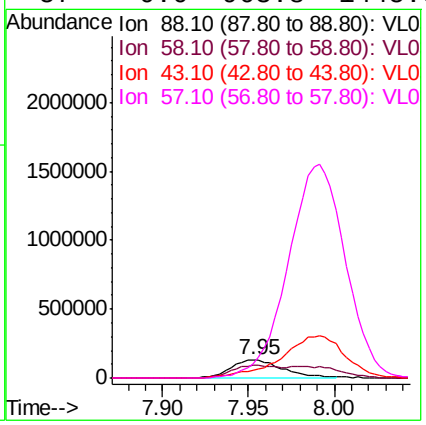


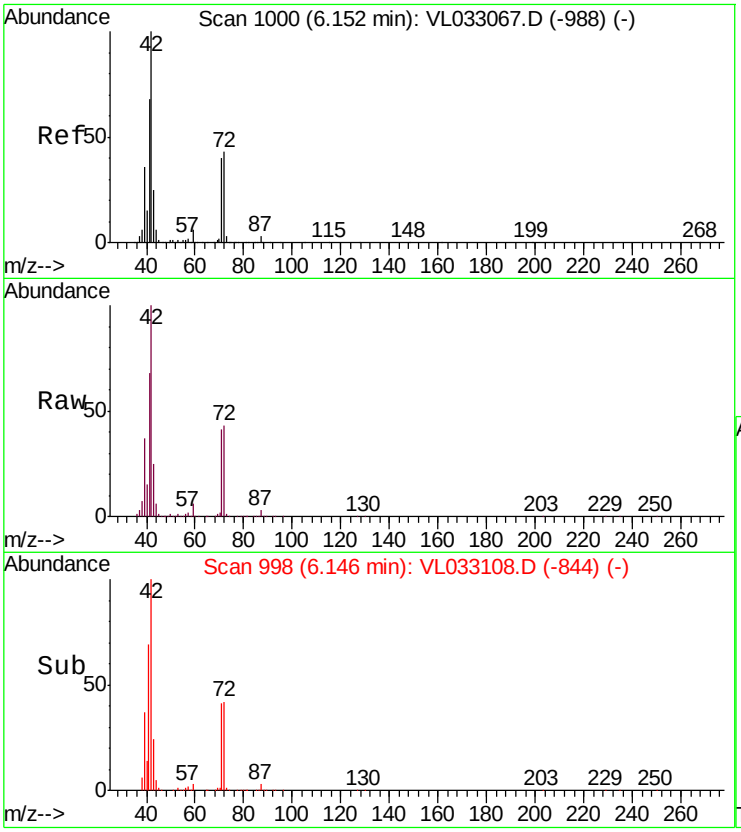


#40
1,4-Dioxane
Concen: 9.001 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 88 Resp: 273963

Ion	Ratio	Lower	Upper
88	100		
58	131.3	101.9	152.9
43	0.0	212.6	319.0#
57	0.0	963.8	1445.6#



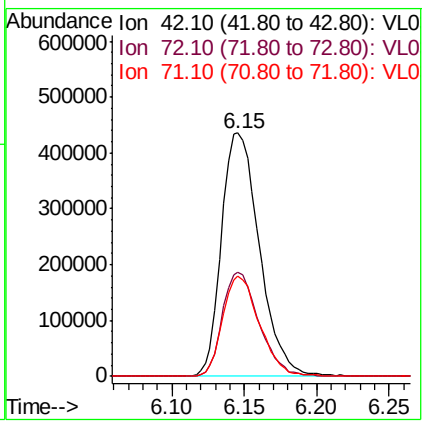


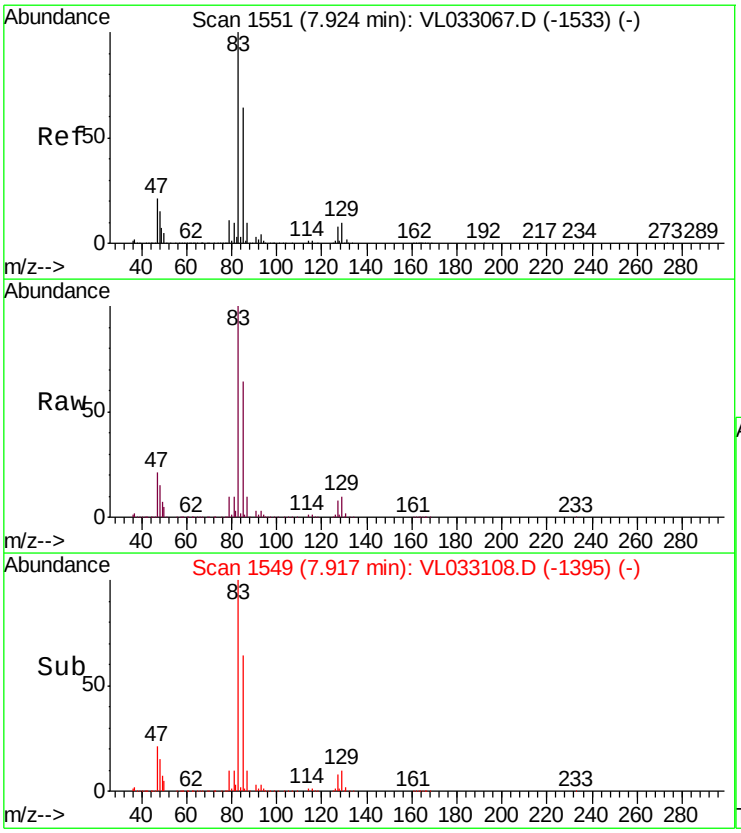
#41
Tetrahydrofuran
Concen: 10.255 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion: 42 Resp: 790255

Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.9	49.3
71	40.2	31.8	47.6

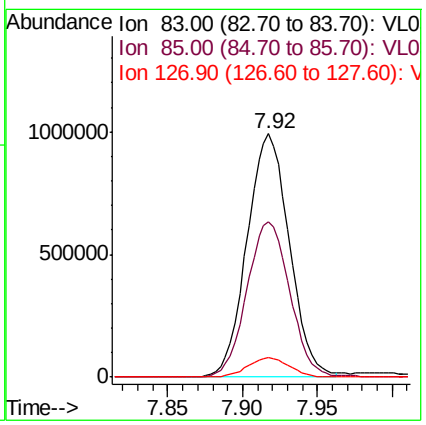


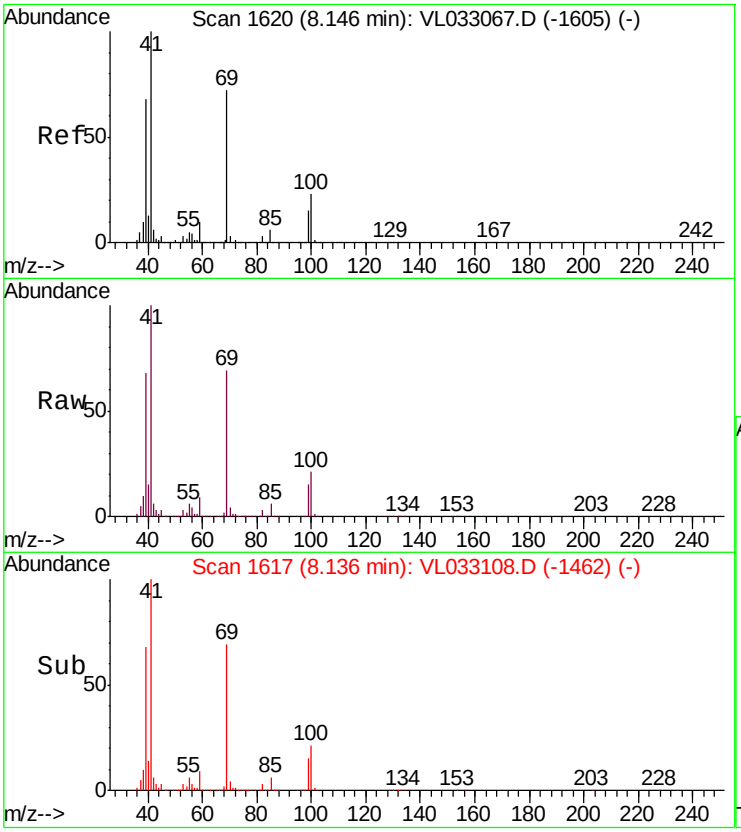


#42
Bromodichloromethane
Concen: 9.540 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 83 Resp: 1952999

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4
127	8.1	6.5	9.7



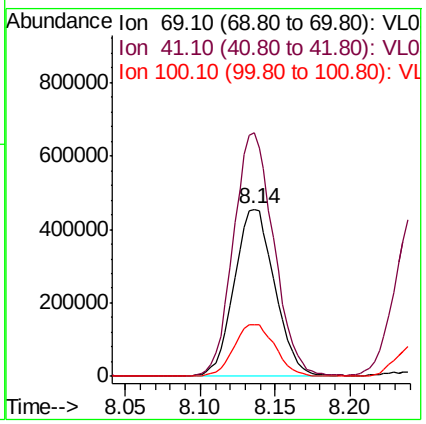


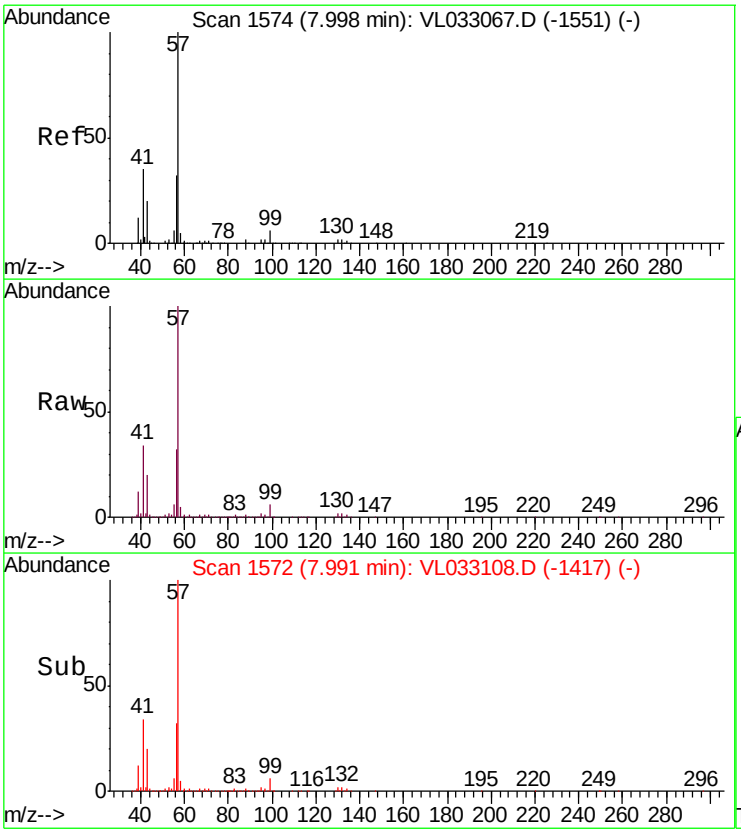
#43
Methyl Methacrylate
Concen: 10.716 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 69 Resp: 858230

Ion	Ratio	Lower	Upper
69	100		
41	145.2	114.0	171.0
100	31.7	26.3	39.5

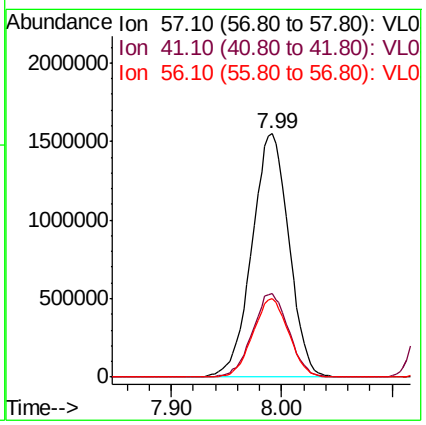


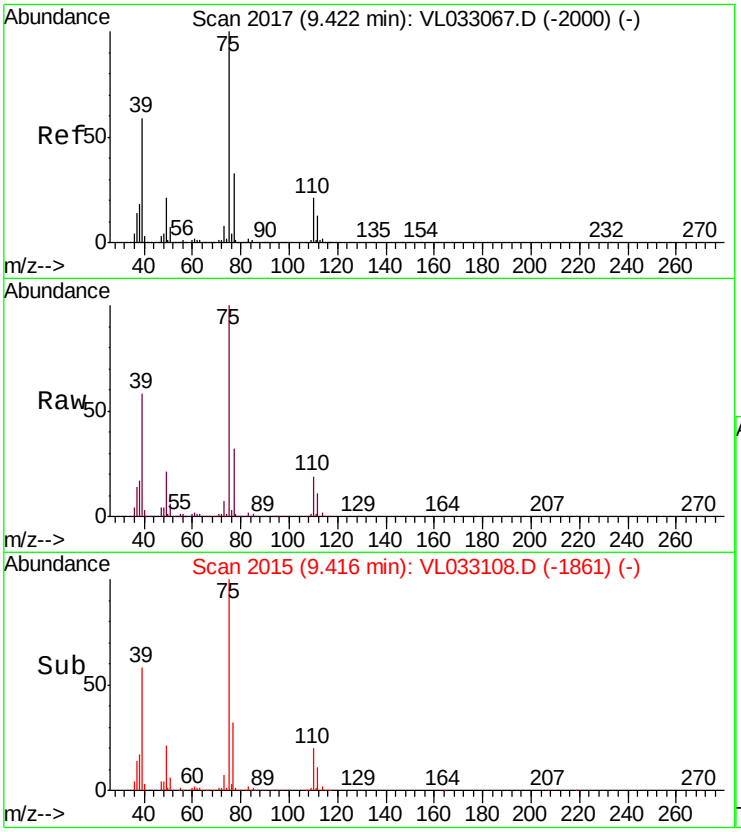


#44
2,2,4-Trimethylpentane
Concen: 9.952 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 57 Resp: 3597231

Ion	Ratio	Lower	Upper
57	100		
41	33.6	26.2	39.2
56	31.2	24.9	37.3



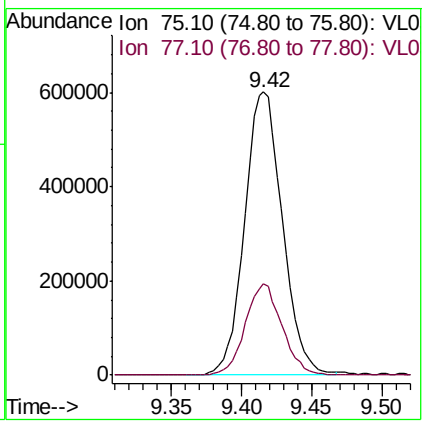


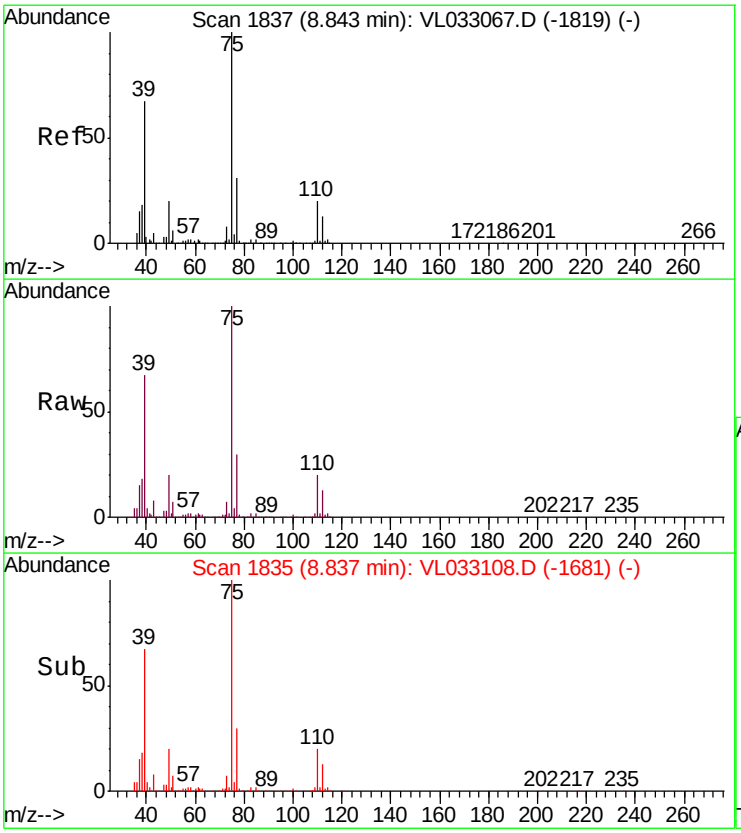
#45
t-1,3-Dichloropropene
Concen: 11.321 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 75 Resp: 1128684

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.8	37.2

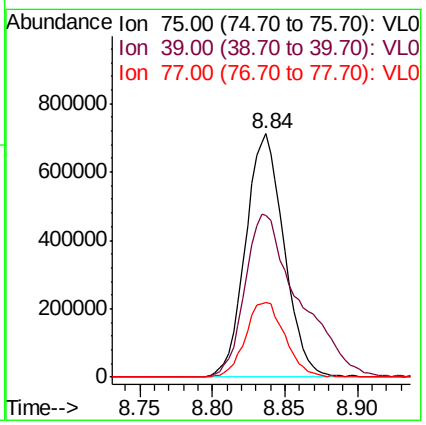


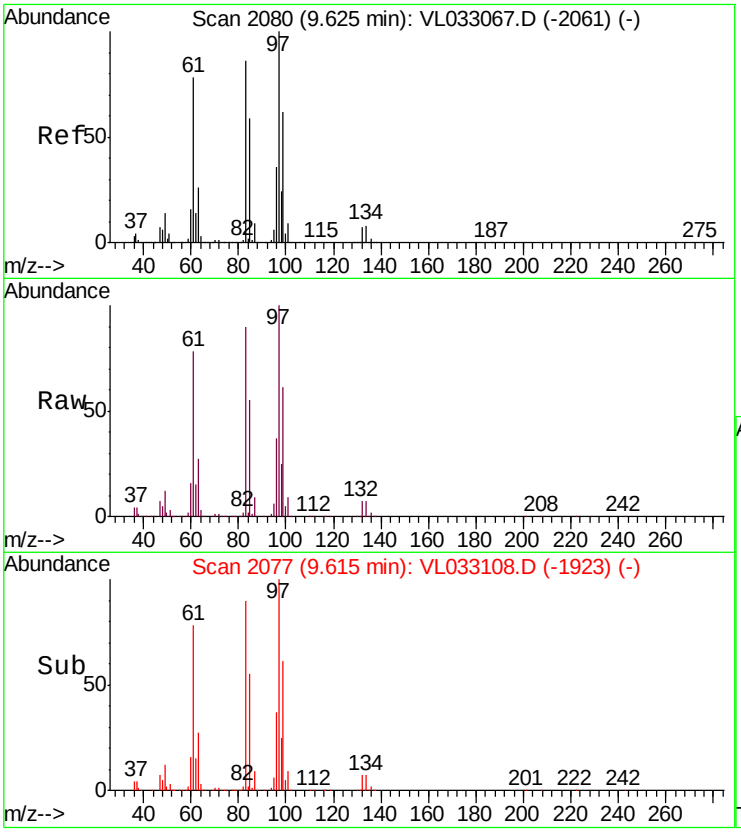


#46
cis-1,3-Dichloropropene
Concen: 11.518 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 75 Resp: 1310588

Ion	Ratio	Lower	Upper
75	100		
39	66.5	51.3	76.9
77	30.5	25.5	38.3



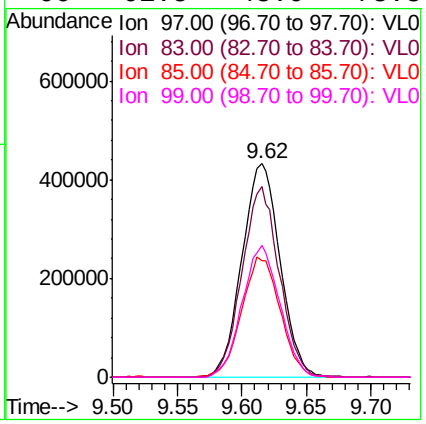


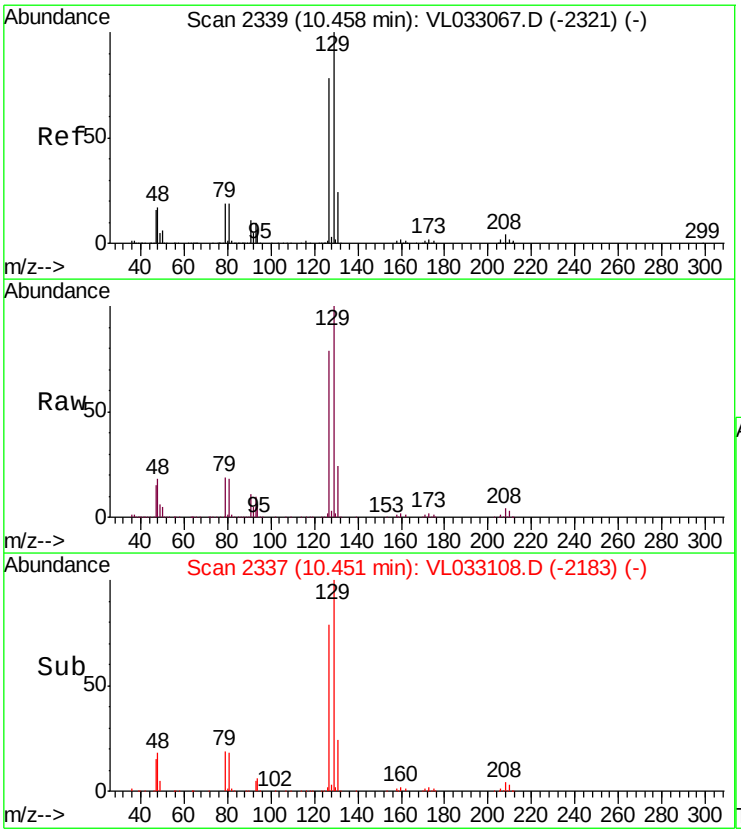
#47
1,1,2-Trichloroethane
Concen: 9.536 ppbv
RT: 9.62 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion: 97 Resp: 893292

Ion	Ratio	Lower	Upper
97	100		
83	89.5	69.4	104.2
85	54.7	44.2	66.2
99	61.5	48.9	73.3

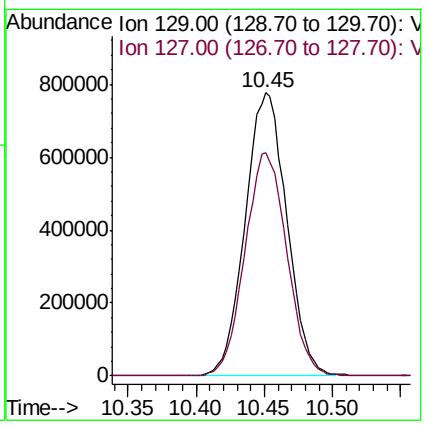


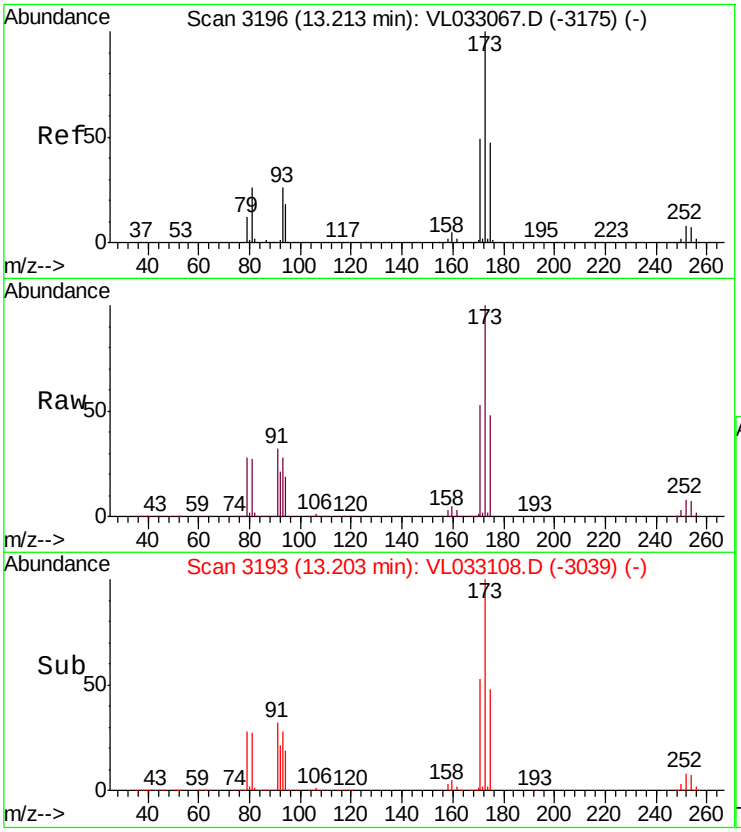


#48
Dibromochloromethane
Concen: 9.957 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:129 Resp: 1648080

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.1	117.3



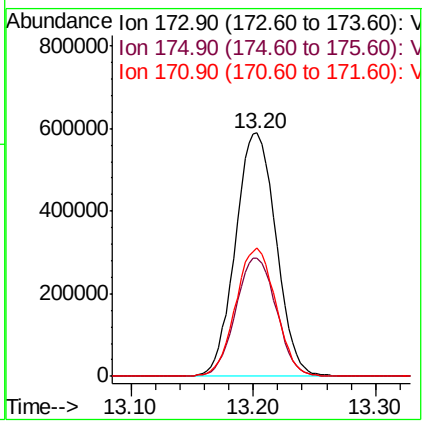


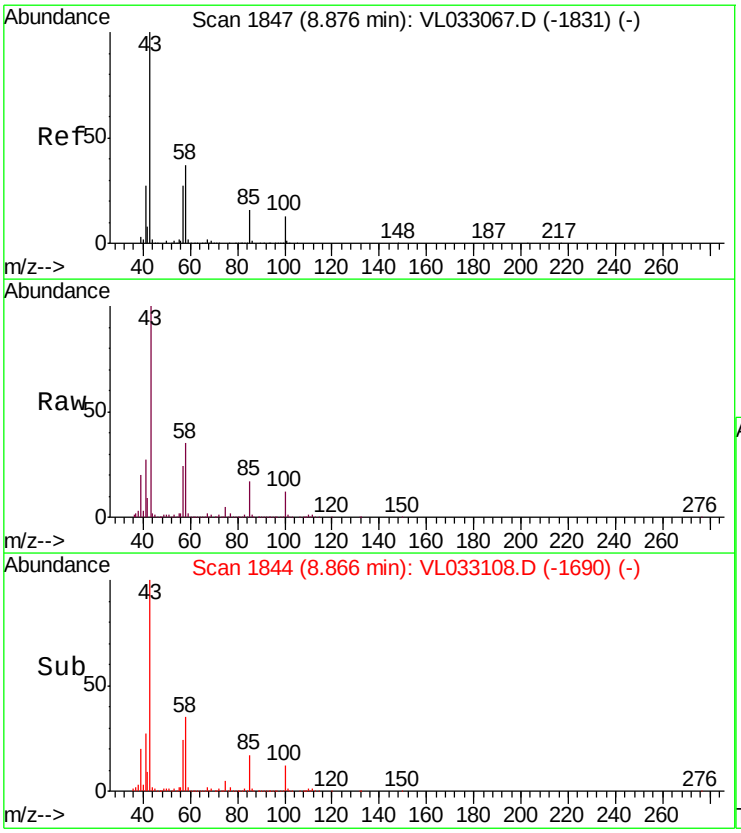
#49
Bromoform
Concen: 9.391 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion:173 Resp: 1358051

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.4	59.2
171	52.1	42.1	63.1

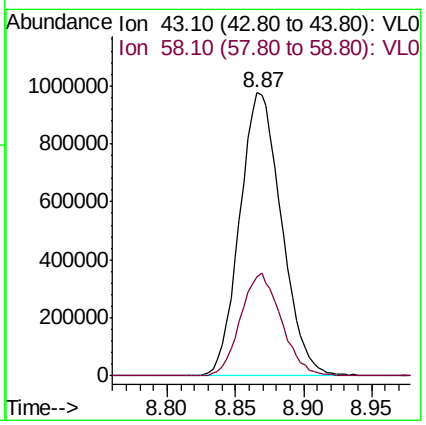


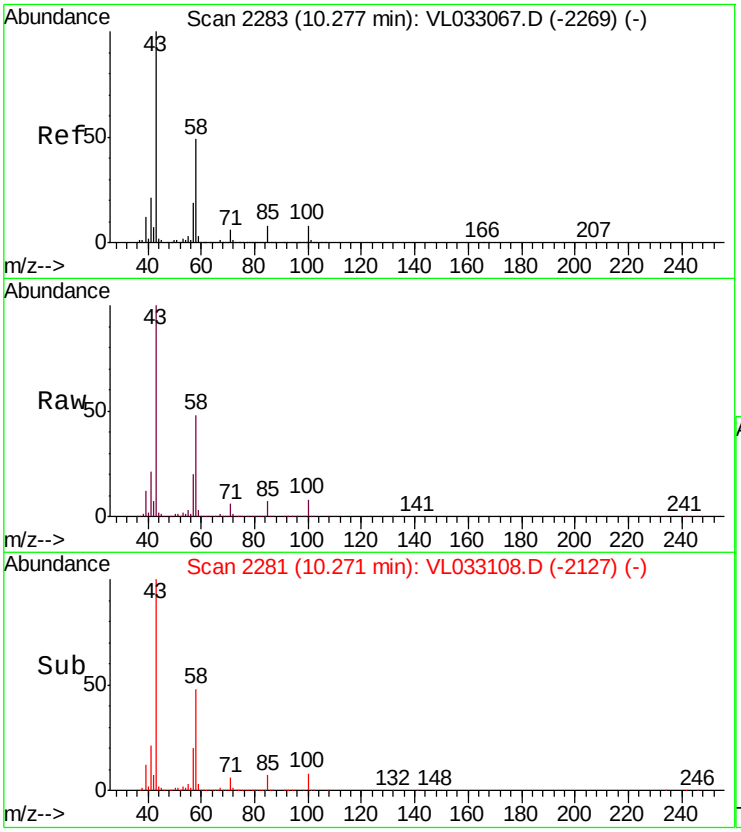


#50
4-Methyl-2-Pentanone
Concen: 10.824 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 43 Resp: 2076426

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.9	43.3



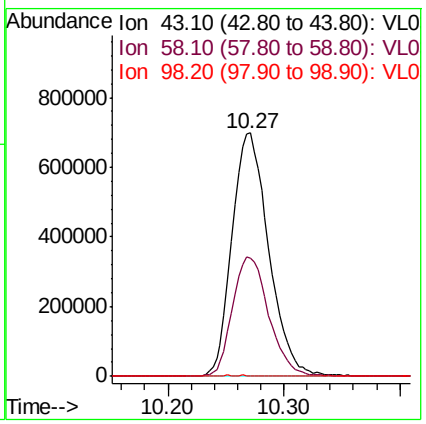


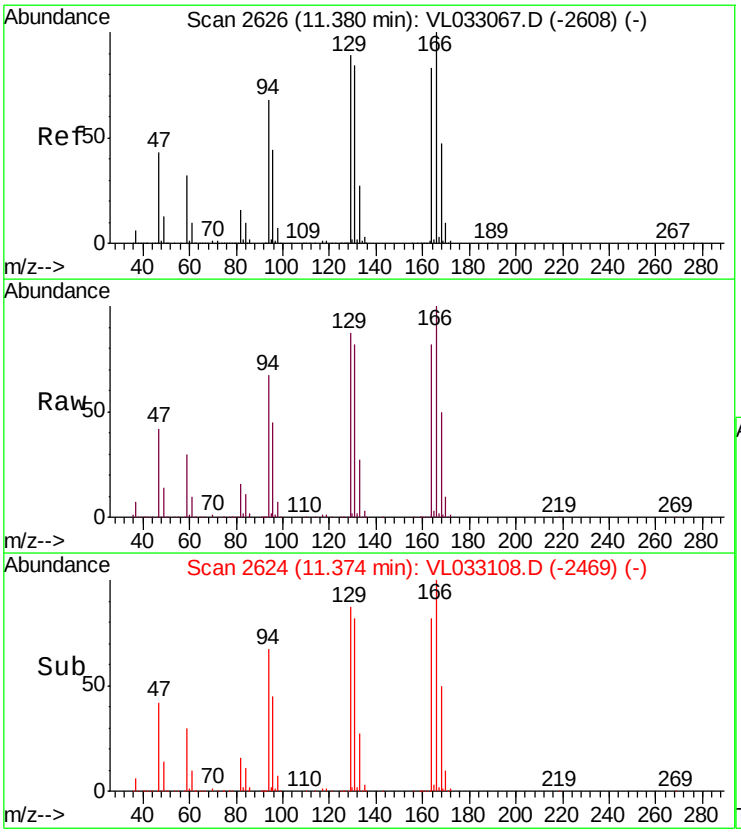
#51
2-Hexanone
Concen: 11.031 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 43 Resp: 1531156

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.0	58.6
98	0.5	0.4	0.6

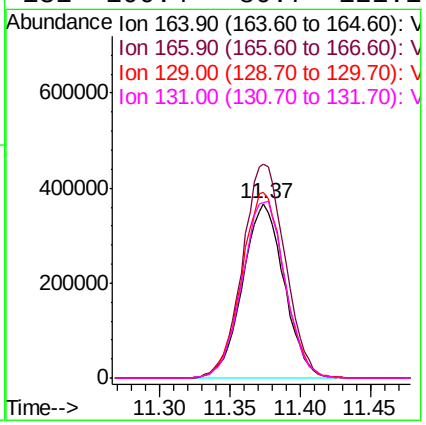


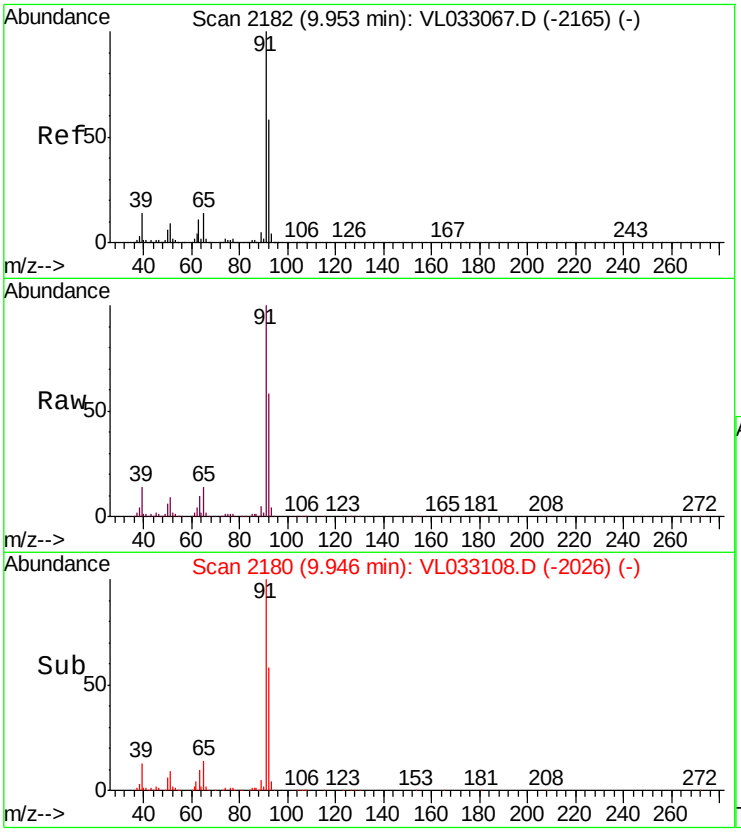


#52
Tetrachloroethene
Concen: 9.969 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:164 Resp: 752112

Ion	Ratio	Lower	Upper
164	100		
166	122.4	100.8	151.2
129	106.3	84.6	126.8
131	100.4	80.7	121.1



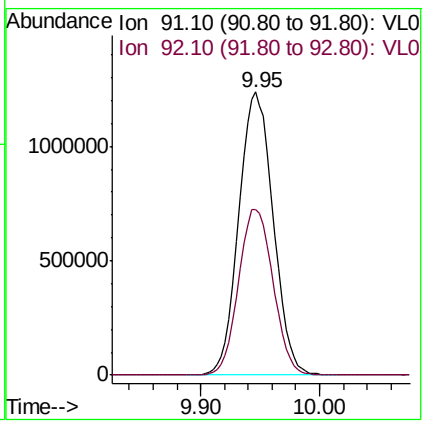


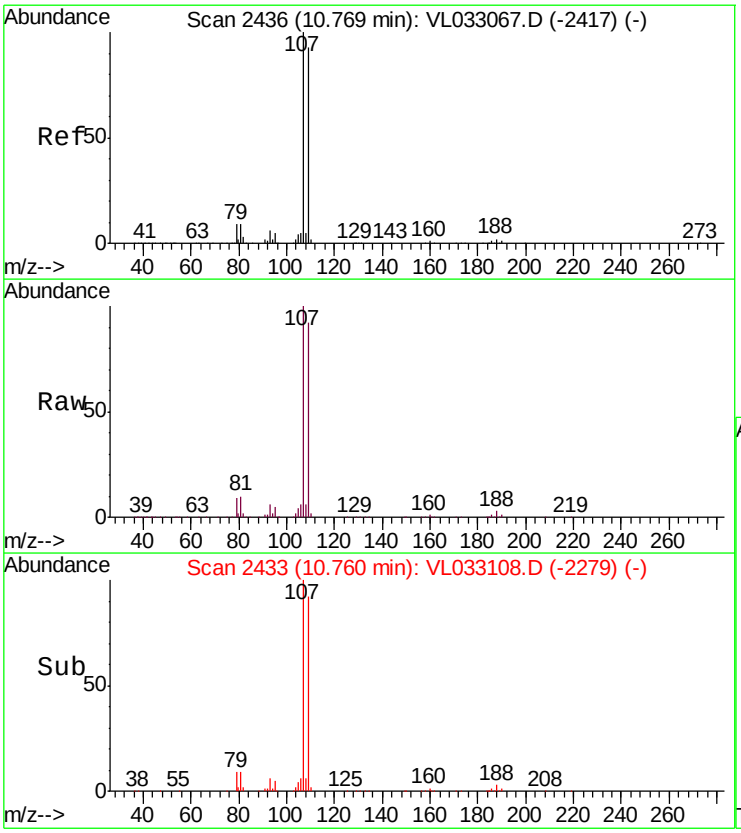
#53
Toluene
Concen: 10.820 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion: 91 Resp: 2474930

Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.7	71.5

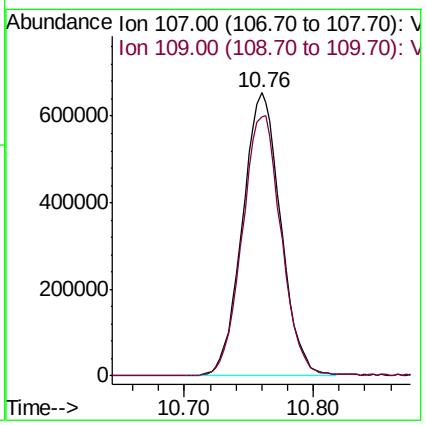


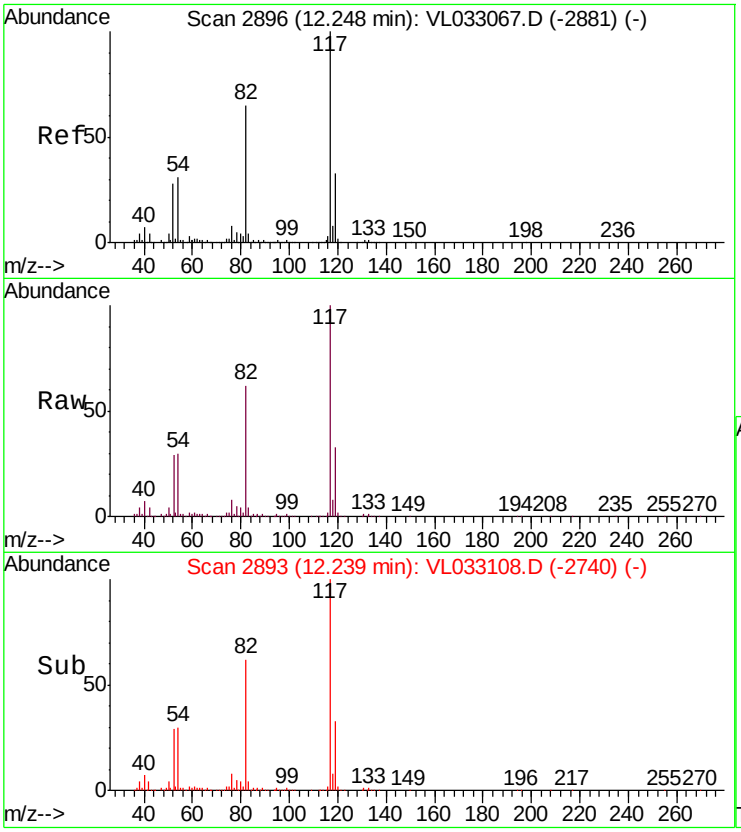


#54
1,2-Dibromoethane
Concen: 10.009 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:107 Resp: 1350943

Ion	Ratio	Lower	Upper
107	100		
109	91.7	74.9	112.3



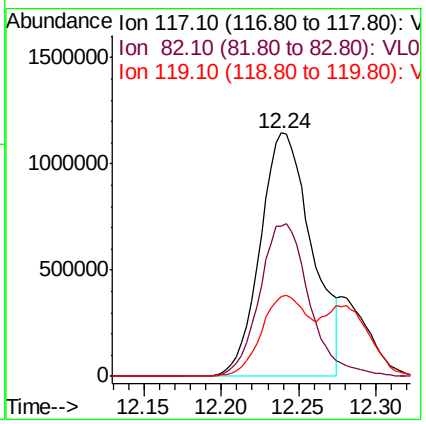


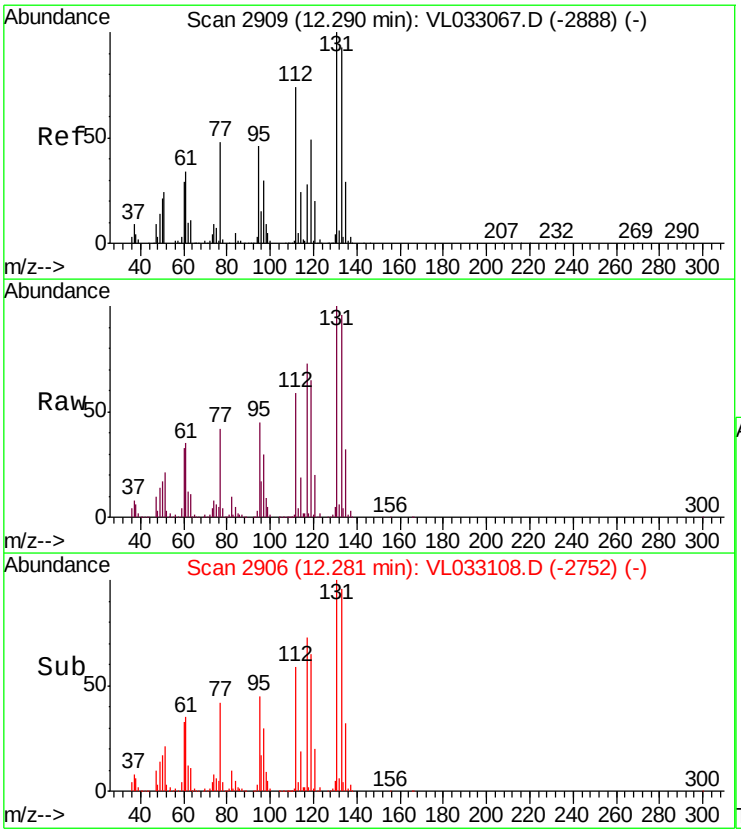
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion:117 Resp: 2666694

Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.9	73.3
119	32.6	24.6	37.0

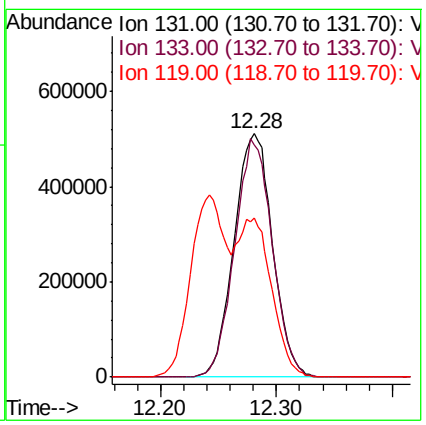


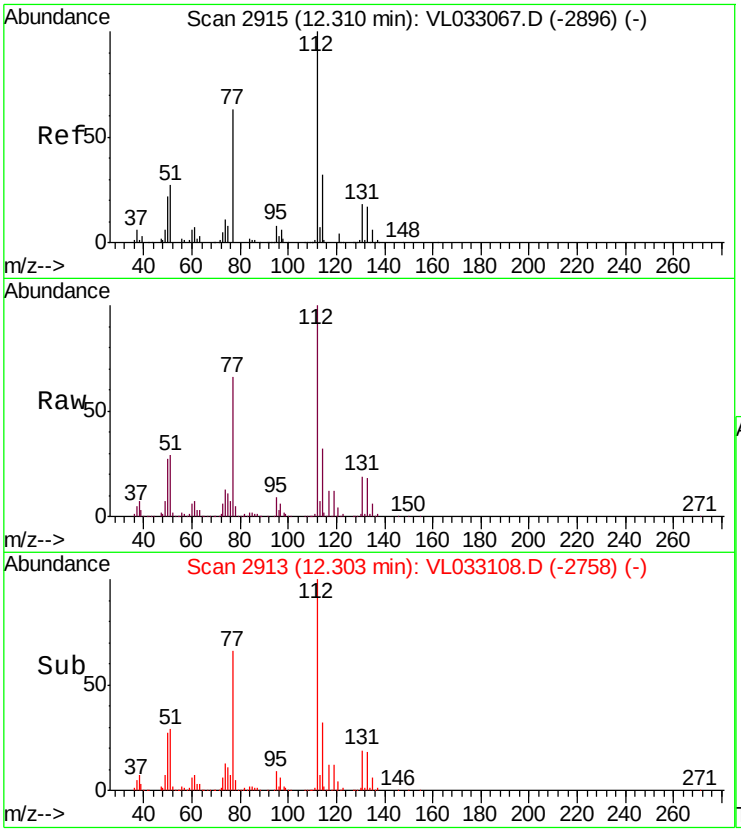


#56
1,1,1,2-Tetrachloroethane
Concen: 8.518 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:131 Resp: 1173620

Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.0	114.0
119	59.1	44.2	66.2



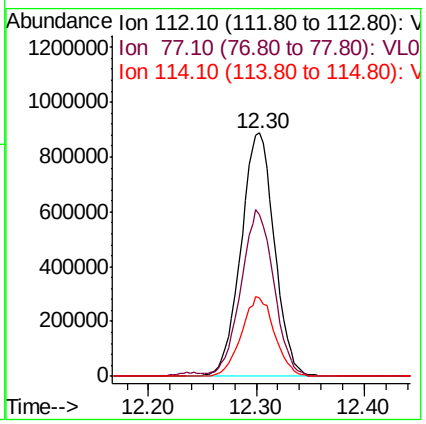


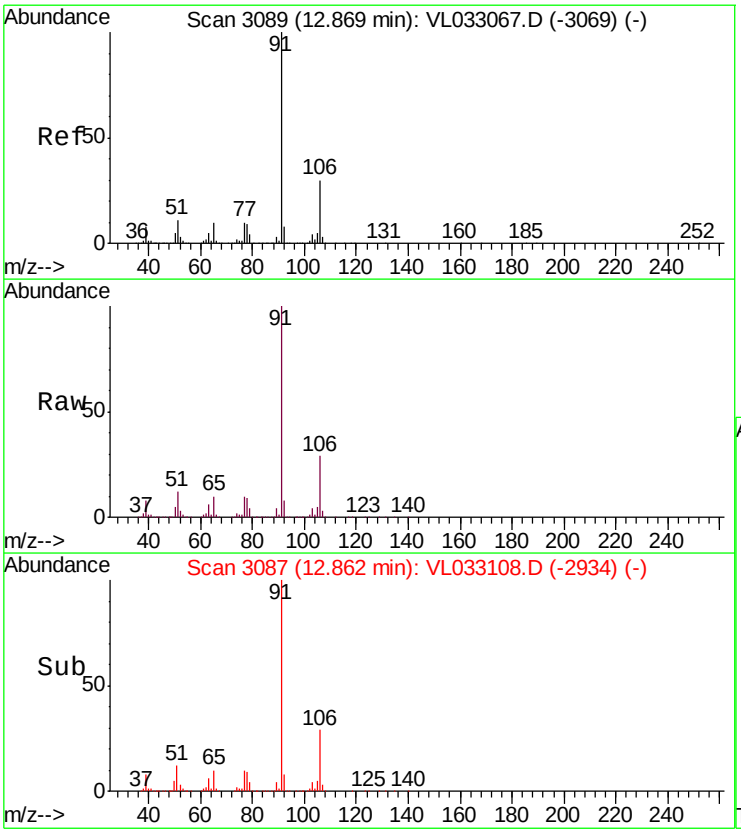
#57
Chlorobenzene
Concen: 8.568 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion:112 Resp: 1907126

Ion	Ratio	Lower	Upper
112	100		
77	66.3	53.4	80.0
114	32.1	30.0	36.6

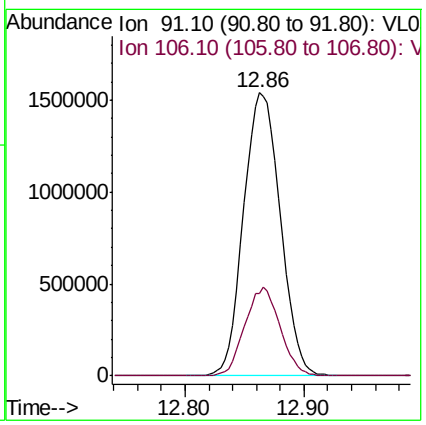


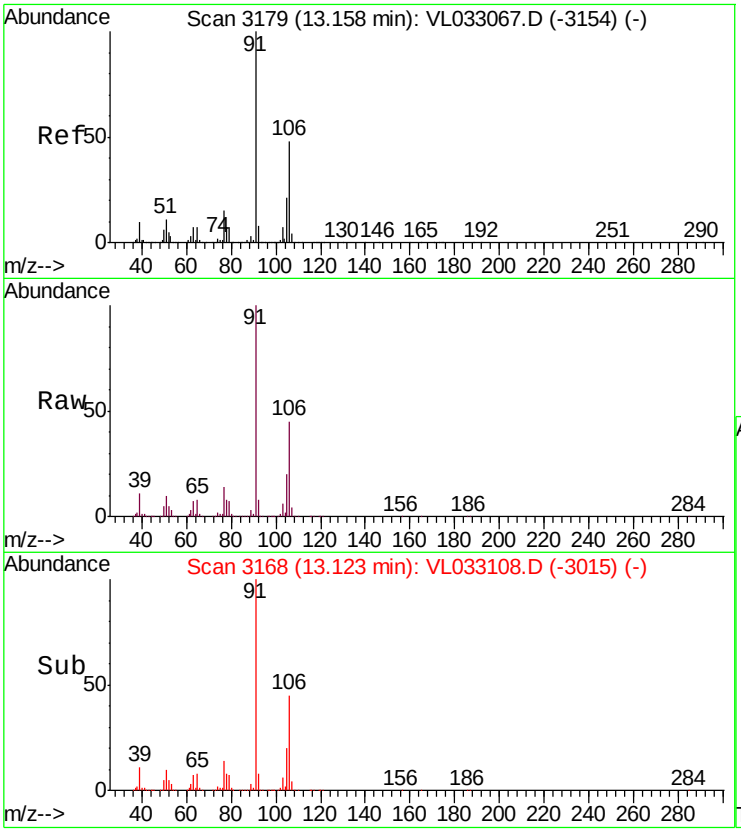


#58
Ethyl Benzene
Concen: 9.796 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 91 Resp: 3298235

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5



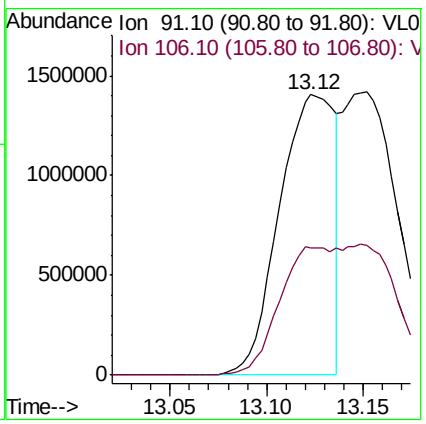


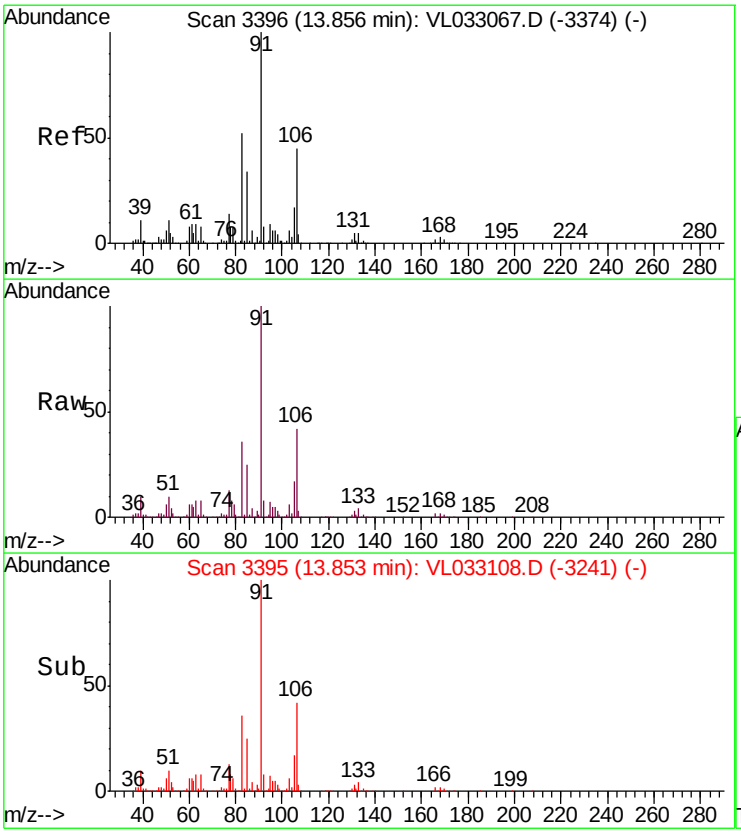
#59
m/p-Xylene
Concen: 8.942 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 91 Resp: 2784995

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

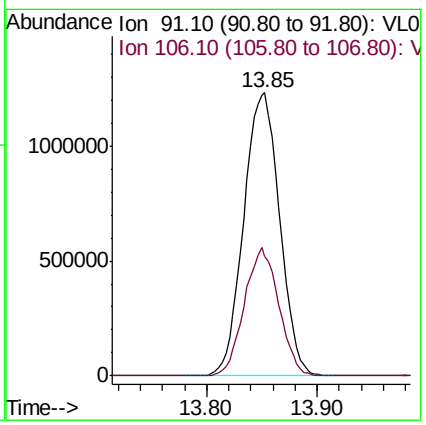


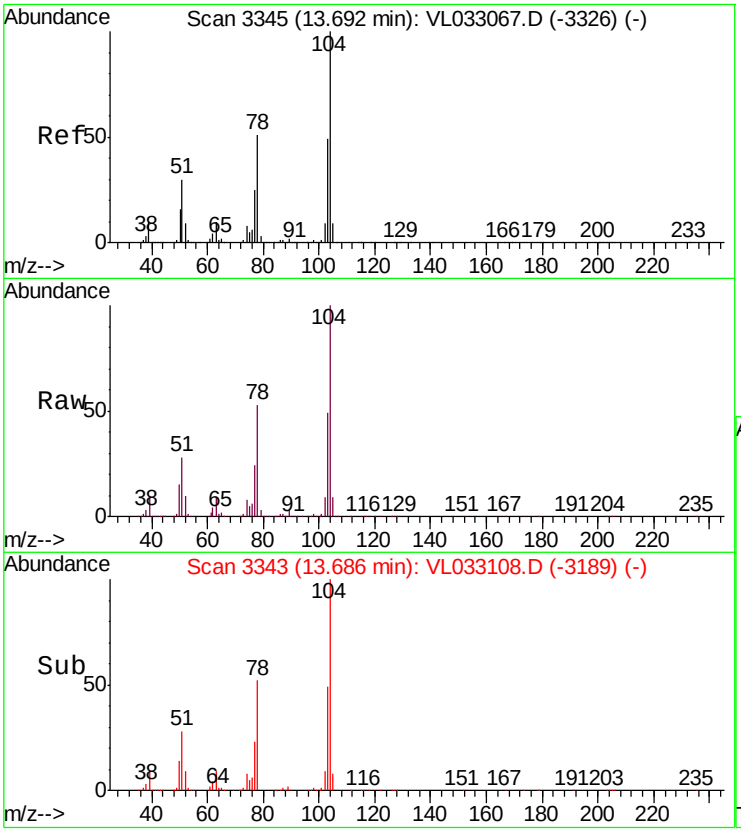


#60
o-Xylene
Concen: 9.089 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 91 Resp: 2771399

Ion	Ratio	Lower	Upper
91	100		
106	43.5	22.1	66.5



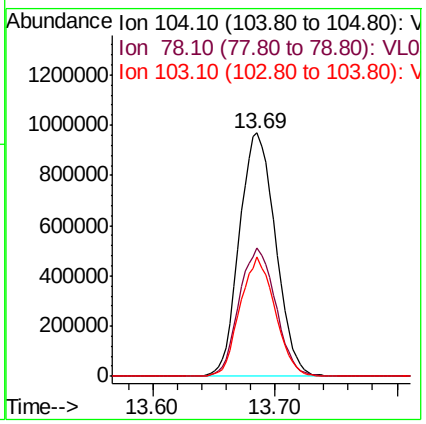


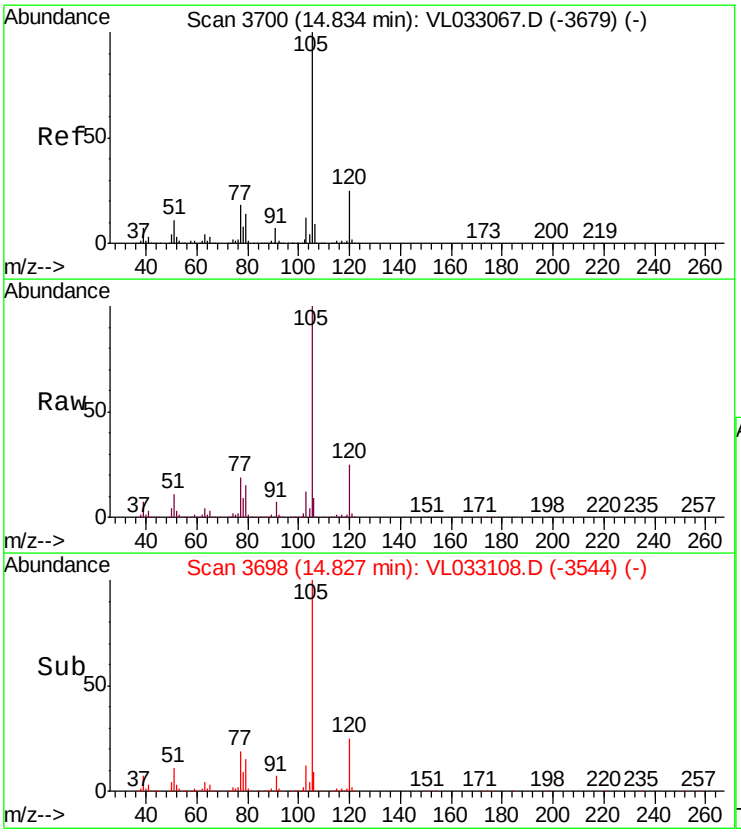
#61
Styrene
Concen: 10.187 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion:104 Resp: 1982044

Ion	Ratio	Lower	Upper
104	100		
78	53.2	41.6	62.4
103	47.5	38.1	57.1

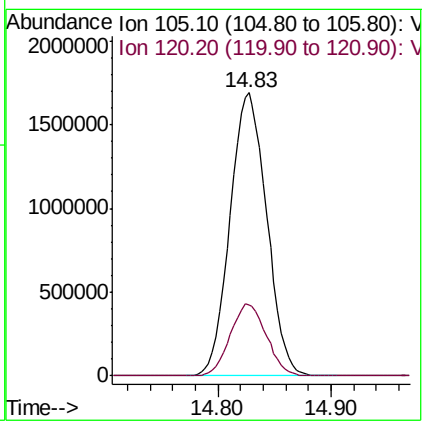


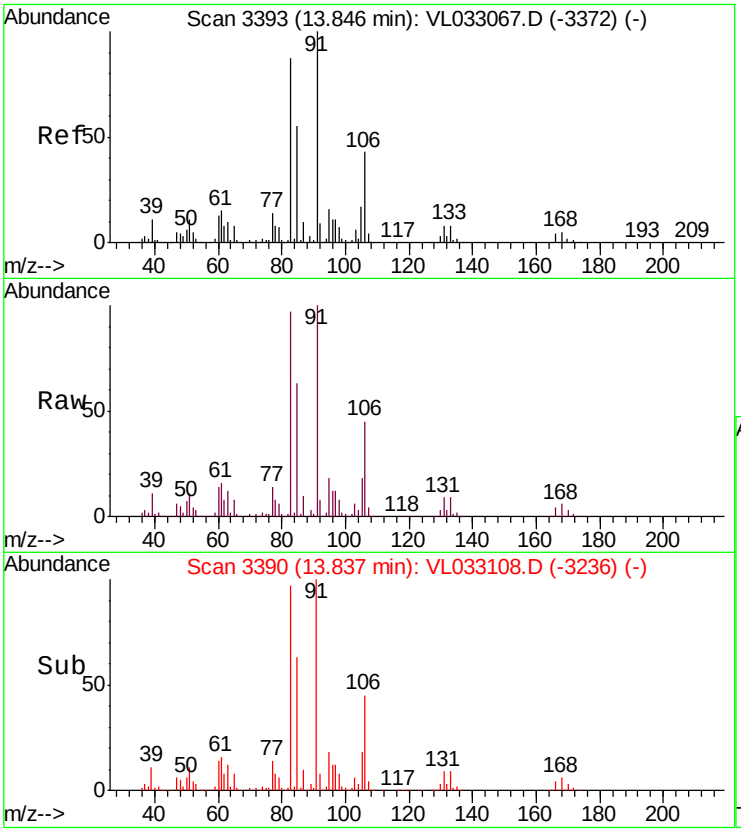


#62
Isopropylbenzene
Concen: 8.738 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:105 Resp: 3791538

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.4	30.6



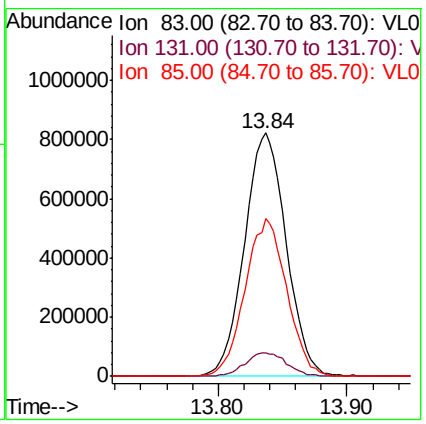


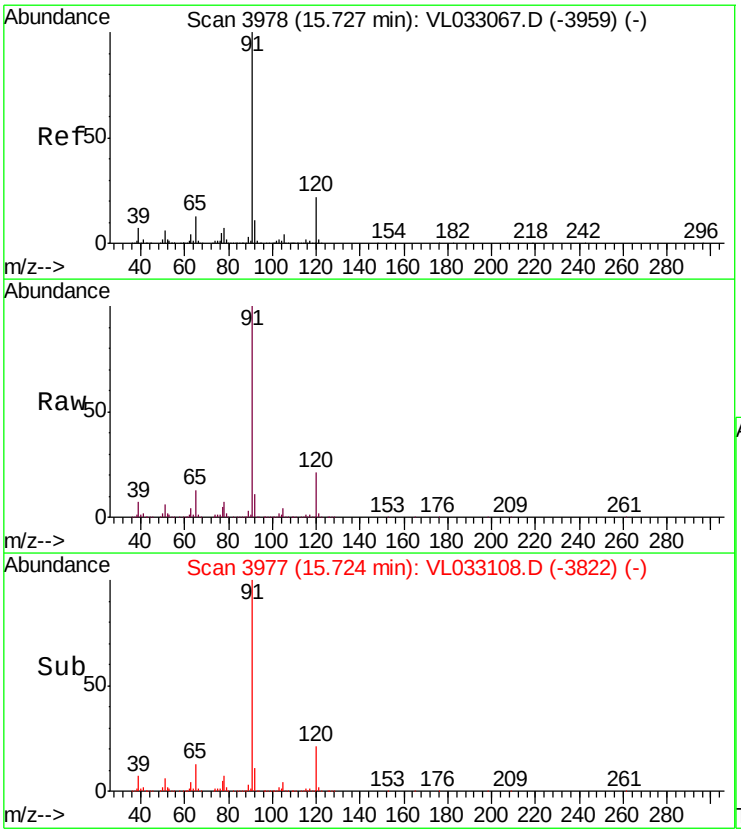
#63
1,1,2,2-Tetrachloroethane
Concen: 8.185 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 83 Resp: 1853819

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	64.8	32.6	97.8

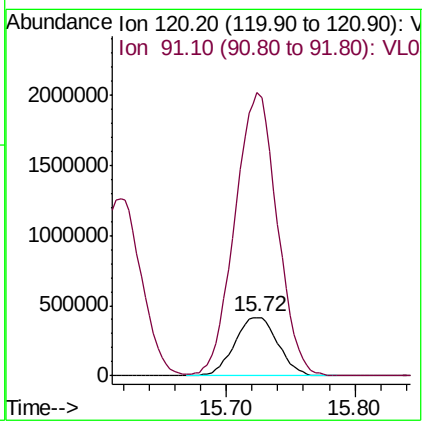


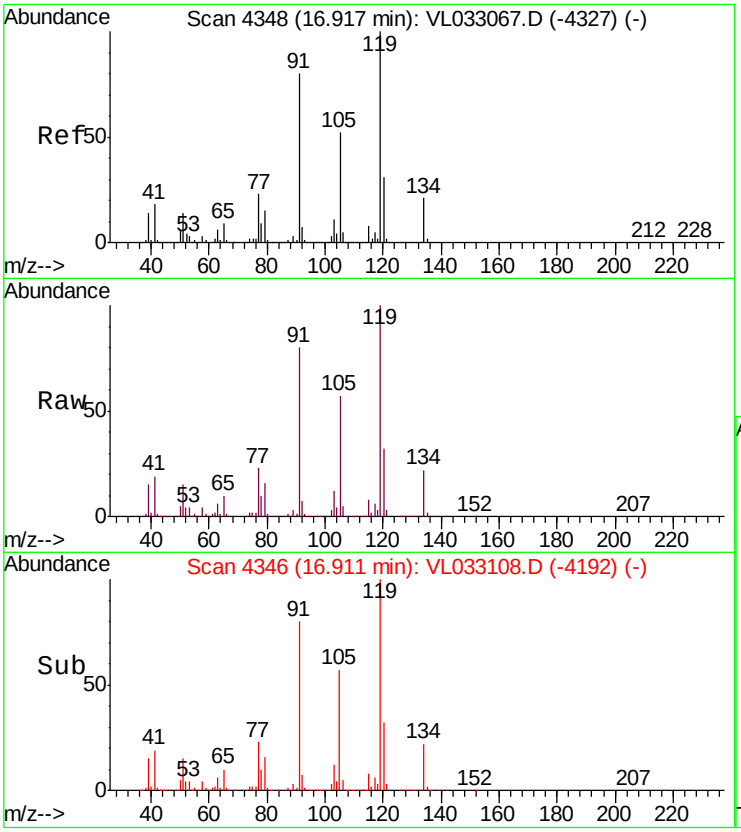


#64
n-propylbenzene
Concen: 8.768 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:120 Resp: 966507

Ion	Ratio	Lower	Upper
120	100		
91	478.3	378.7	568.1



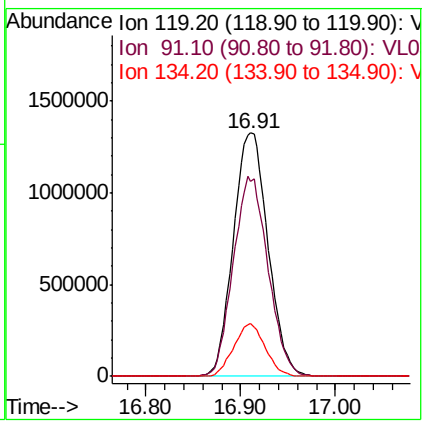


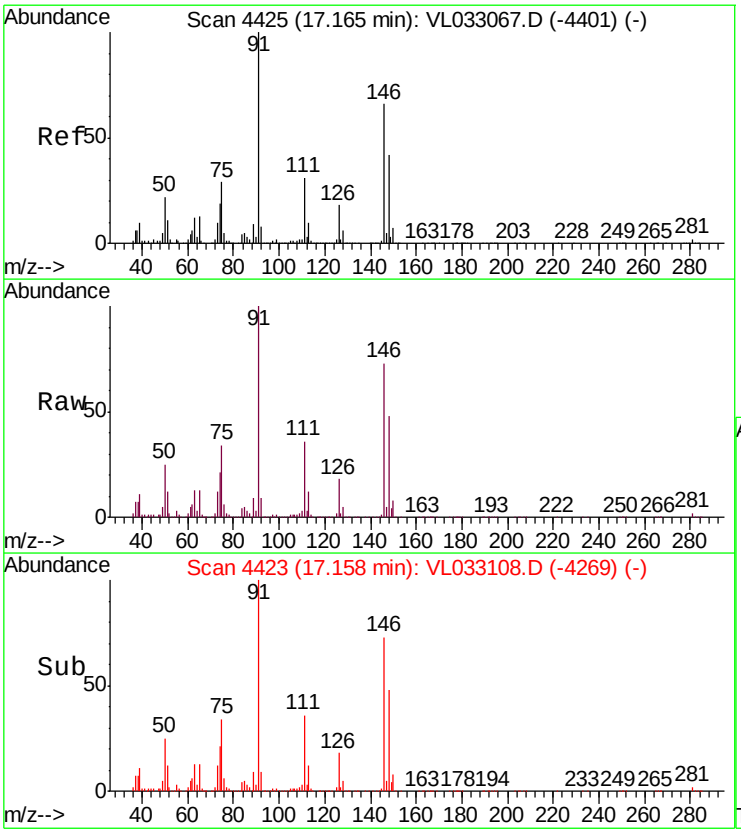
#65
tert-Butylbenzene
Concen: 8.795 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion:119 Resp: 3380688

Ion	Ratio	Lower	Upper
119	100		
91	82.2	64.6	97.0
134	19.6	15.8	23.8

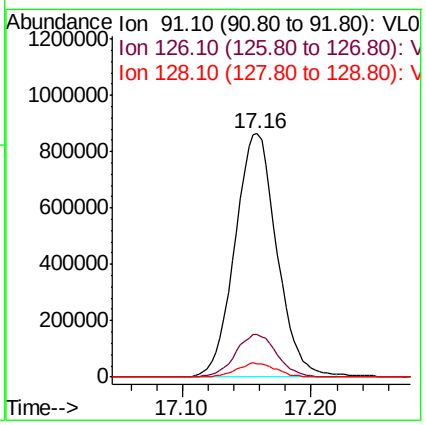


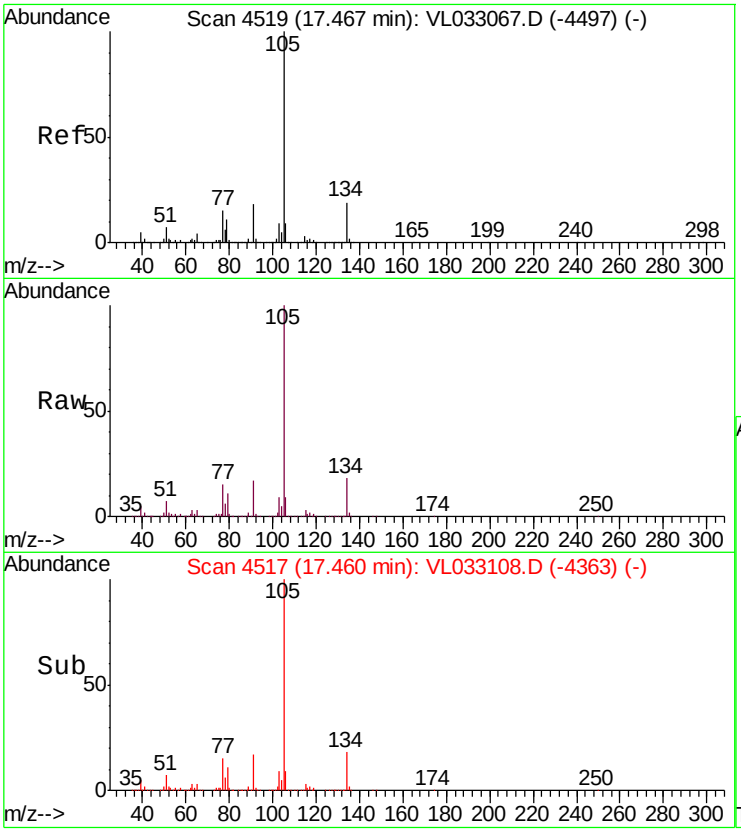


#66
Benzyl Chloride
Concen: 8.882 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 91 Resp: 1945862

Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.4	21.6
128	5.5	4.5	6.7



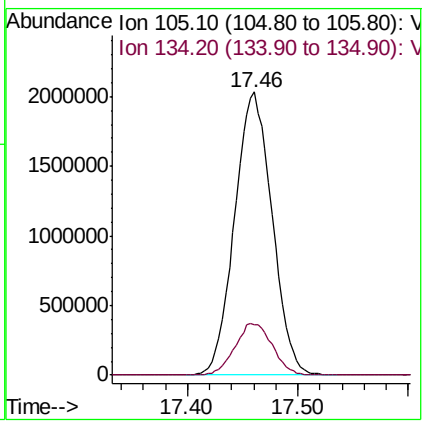


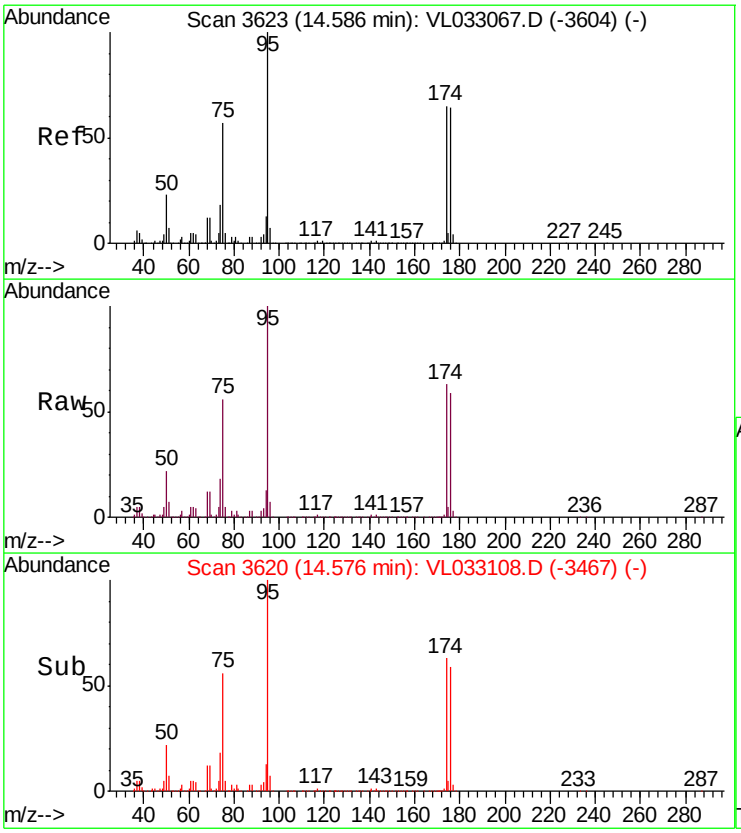
#67
sec-Butylbenzene
Concen: 8.677 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion:105 Resp: 4773004

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.6	21.8

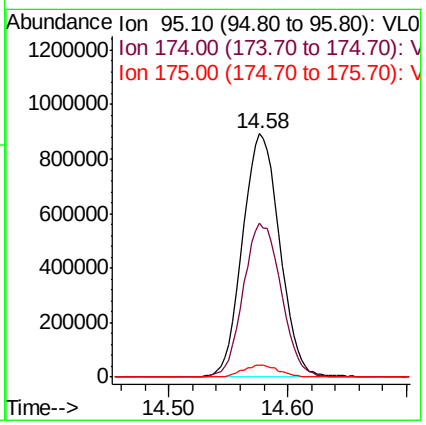


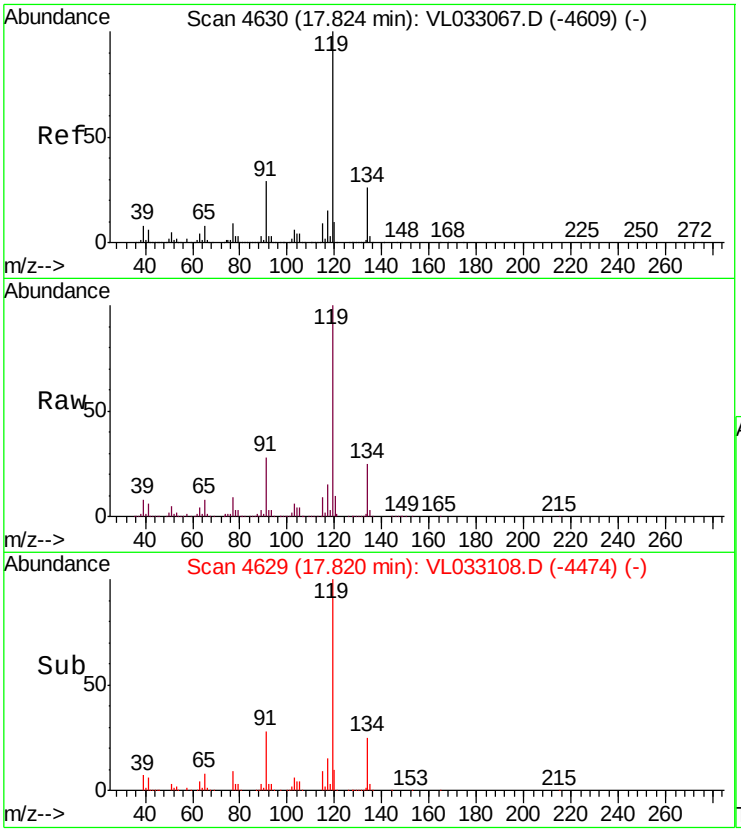


#68
1-Bromo-4-Fluorobenzene
Concen: 9.447 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 95 Resp: 1931023

Ion	Ratio	Lower	Upper
95	100		
174	64.6	51.9	77.9
175	4.8	3.9	5.9



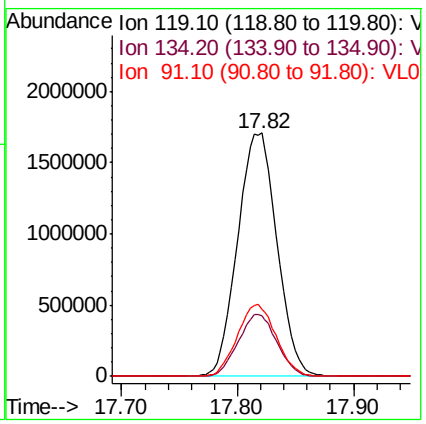


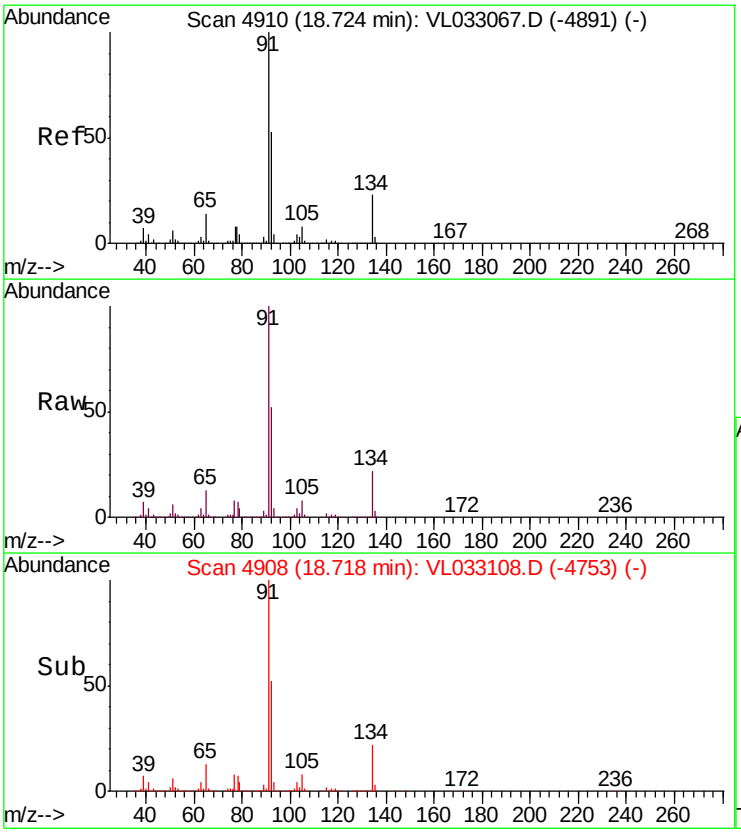
#69
p-Isopropyltoluene
Concen: 9.012 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion:119 Resp: 4023214

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.1	30.1
91	29.1	23.0	34.4

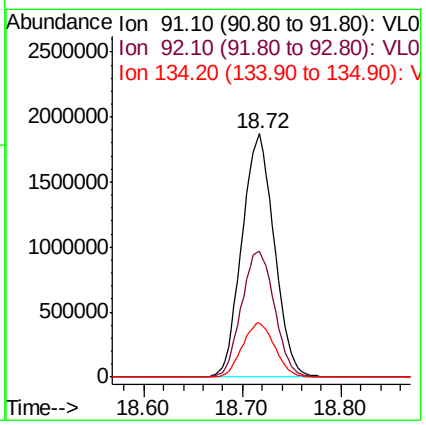


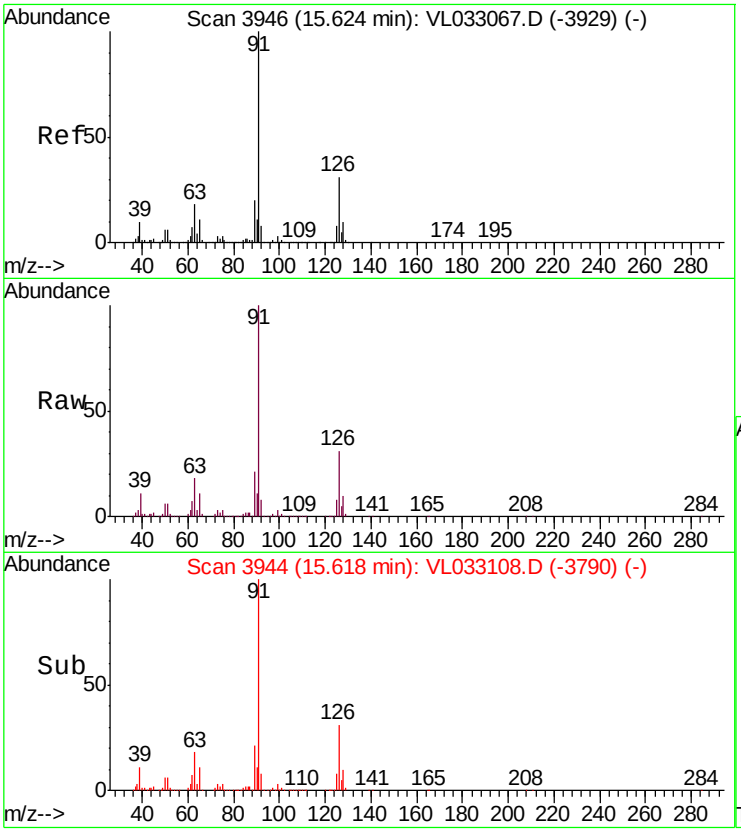


#70
n-Butylbenzene
Concen: 9.432 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion: 91 Resp: 4233080

Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.4	63.6
134	22.4	18.0	27.0



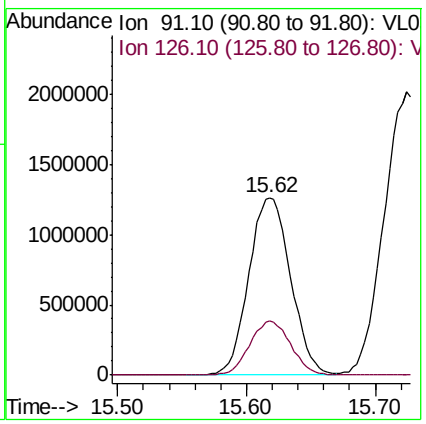


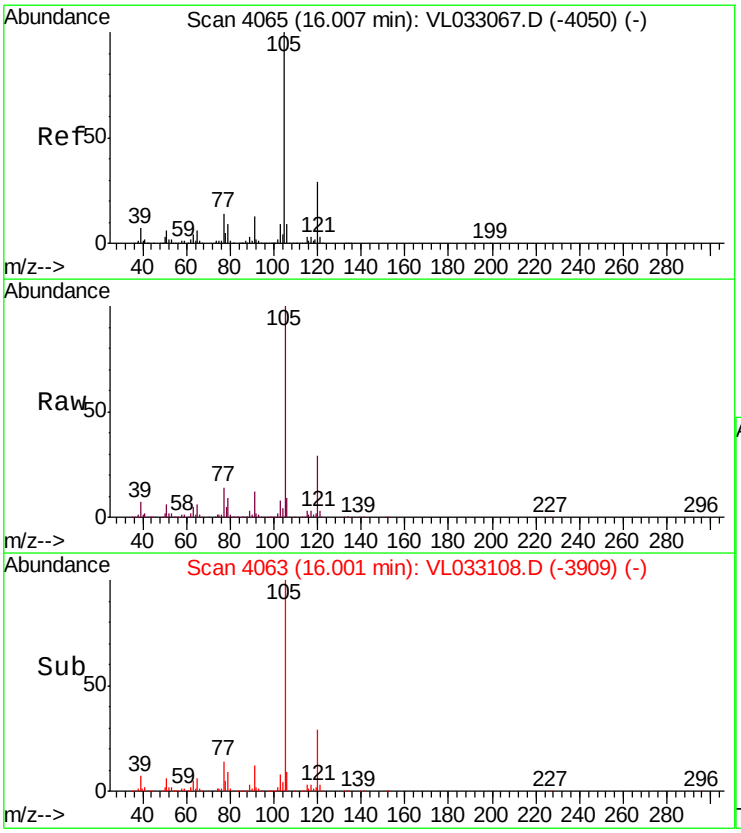
#71
2-Chlorotoluene
Concen: 9.266 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument : MSVOA_L
ClientSampleId : IDOC-1

Tgt Ion: 91 Resp: 2851438

Ion	Ratio	Lower	Upper
91	100		
126	29.8	12.4	49.6

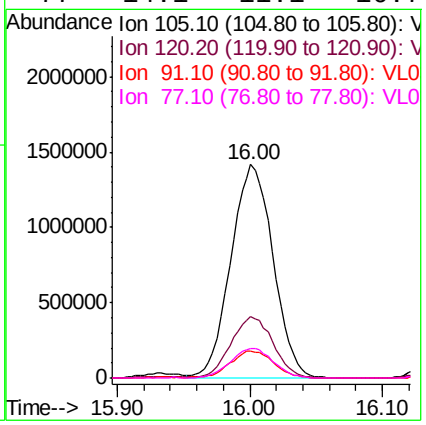


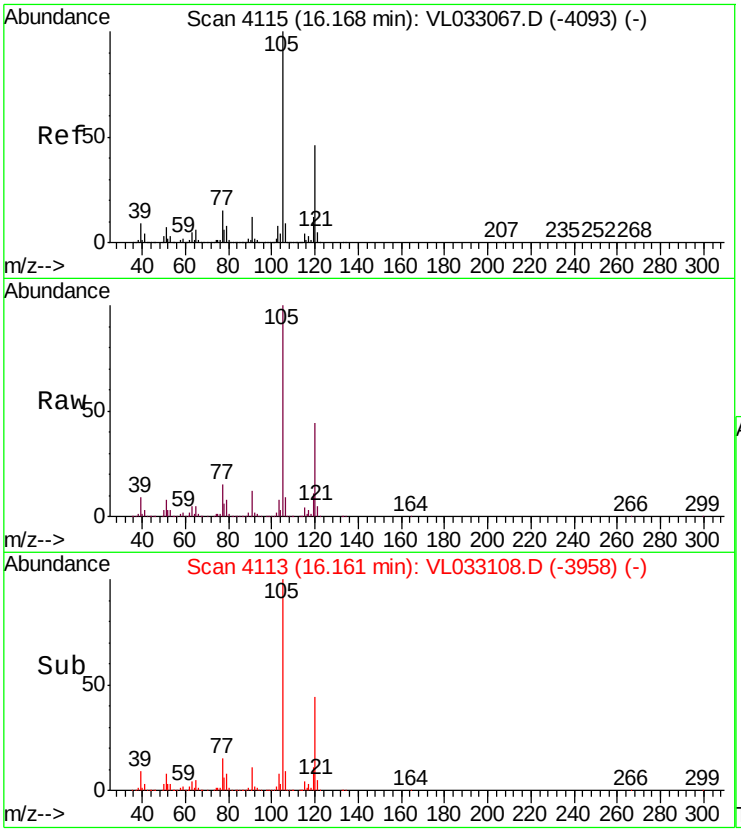


#72
4-Ethyltoluene
Concen: 9.320 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:105 Resp: 3122876

Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.0	34.6
91	13.1	10.3	15.5
77	14.1	11.1	16.7



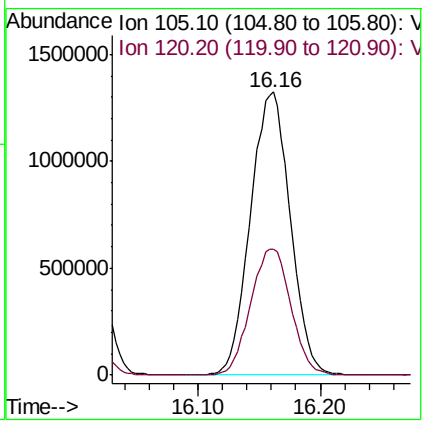


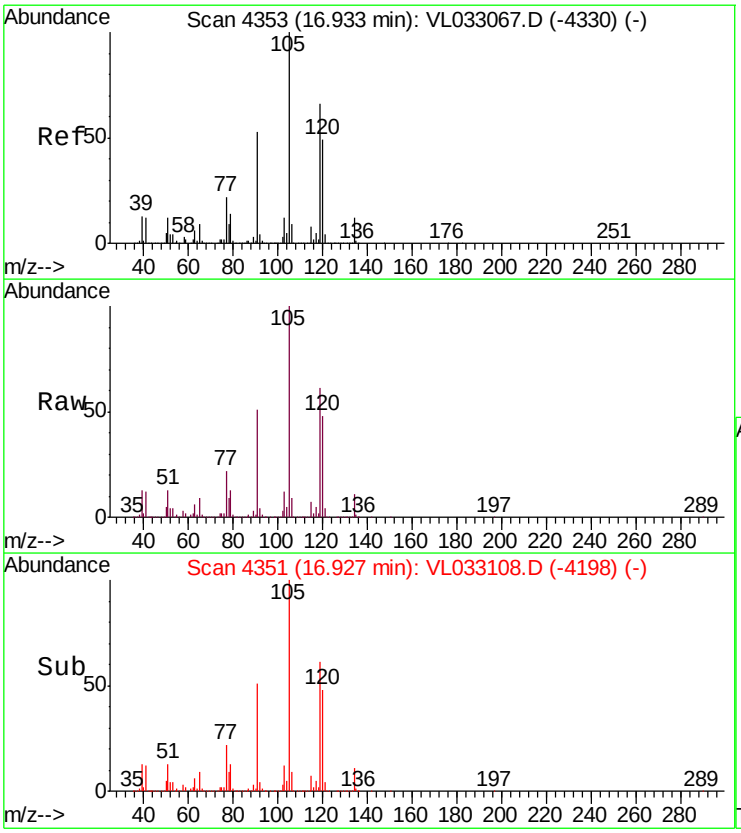
#73
1,3,5-Trimethylbenzene
Concen: 9.038 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion:105 Resp: 2988061

Ion	Ratio	Lower	Upper
105	100		
120	44.4	36.1	54.1

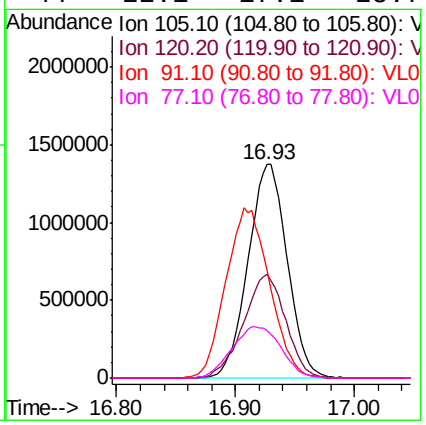


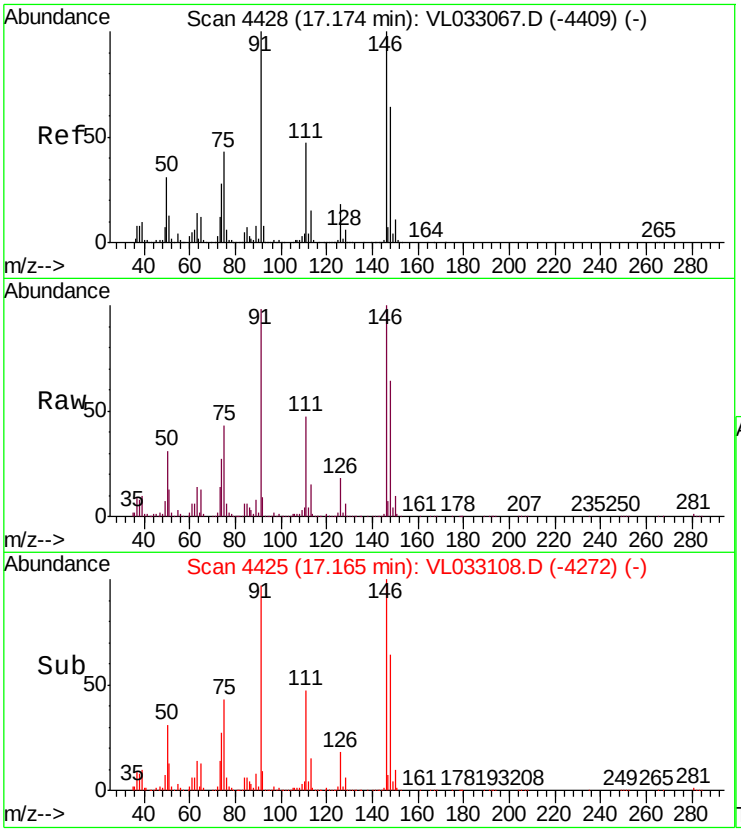


#74
1,2,4-Trimethylbenzene
Concen: 8.540 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:105 Resp: 3126917

Ion	Ratio	Lower	Upper
105	100		
120	48.3	37.0	55.4
91	50.3	35.4	53.0
77	22.1	17.1	25.7



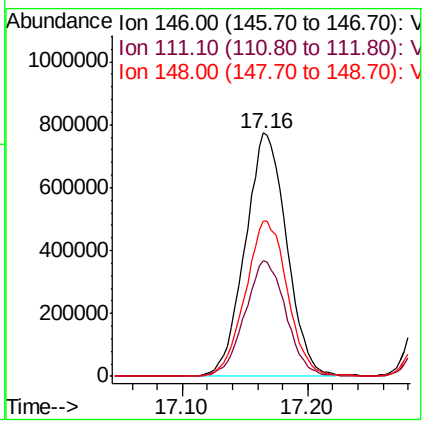


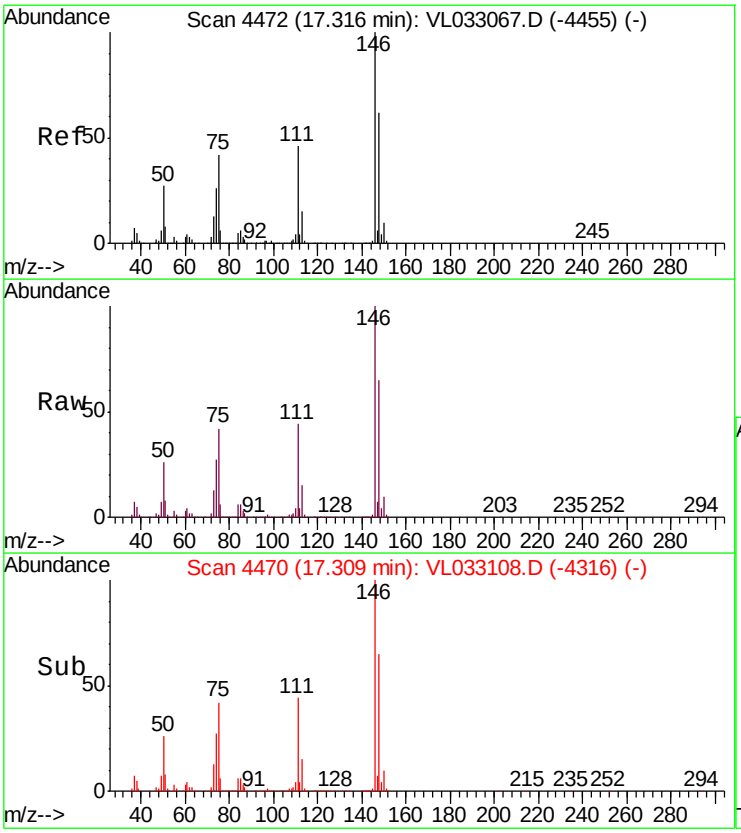
#75
1,3-Dichlorobenzene
Concen: 8.264 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion:146 Resp: 1781221

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.4	70.2
148	65.0	32.1	96.3

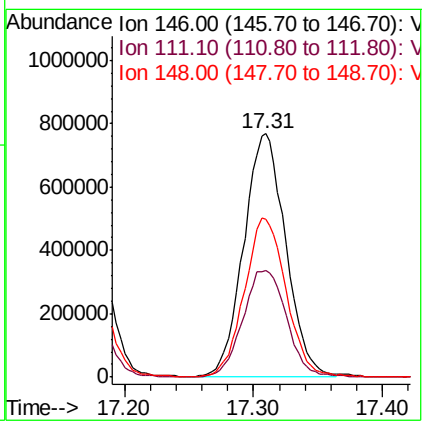


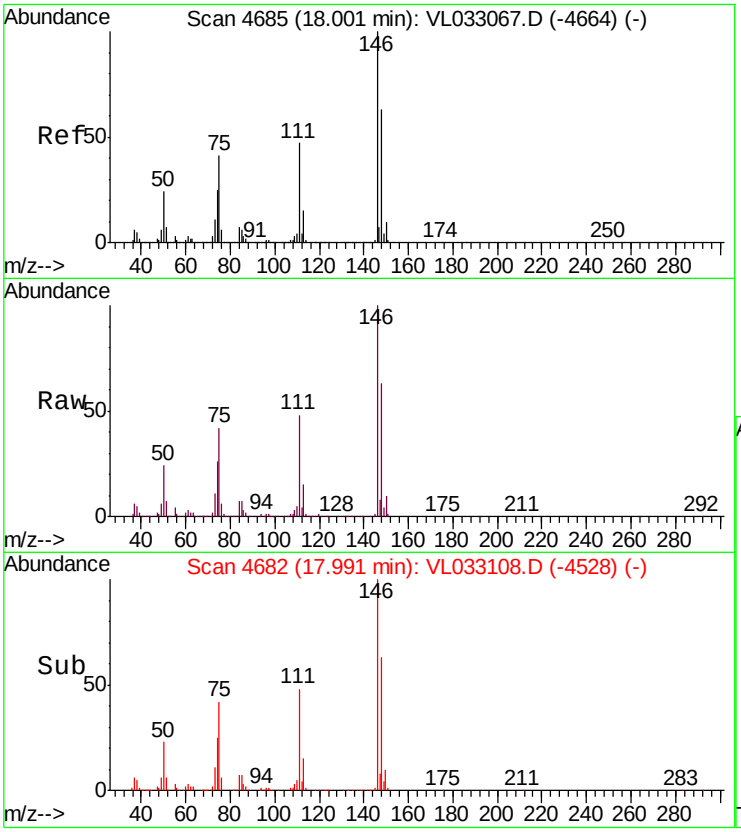


#76
1,4-Dichlorobenzene
Concen: 8.832 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:146 Resp: 1733991

Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.7	68.1
148	65.3	32.4	97.2



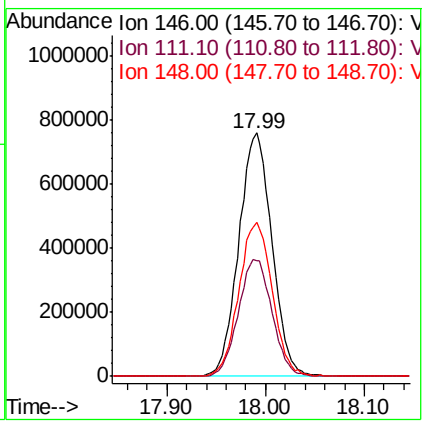


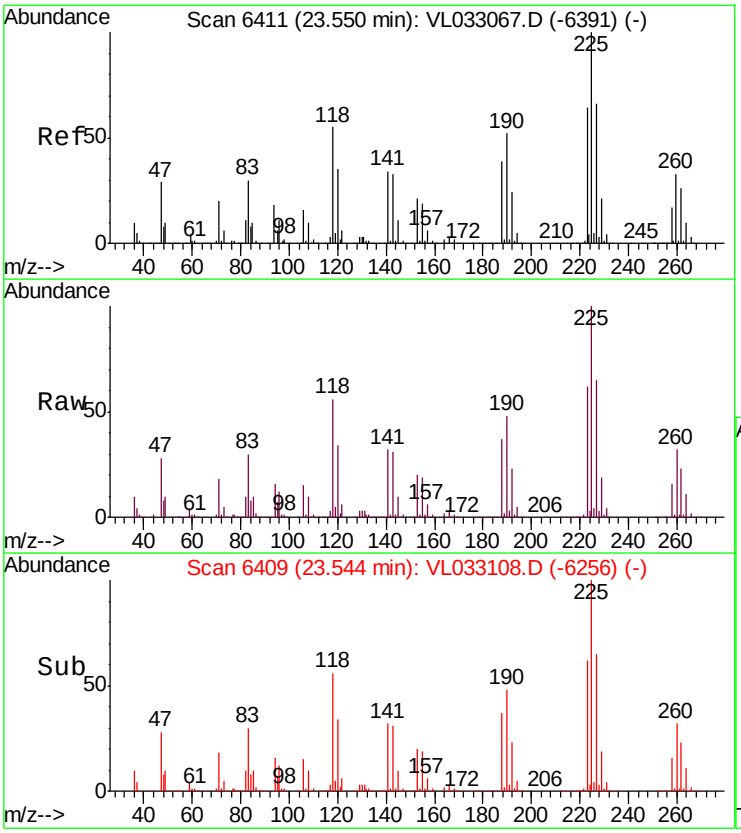
#77
1,2-Dichlorobenzene
Concen: 9.122 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion:146 Resp: 1770701

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.4	73.2
148	63.7	32.3	96.9

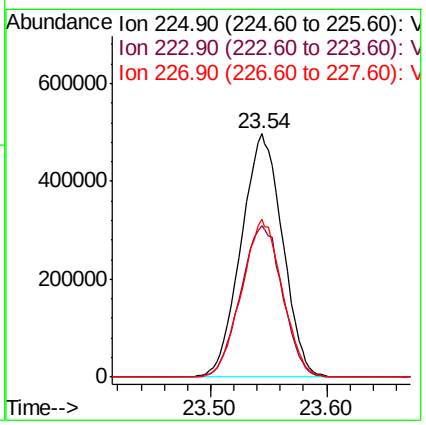


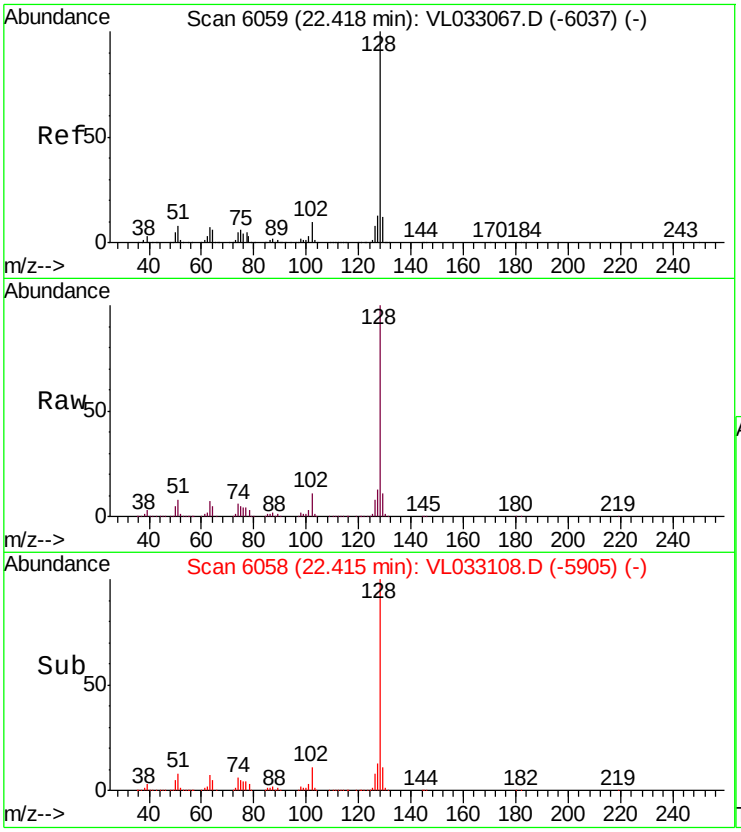


#78
Hexachloro-1,3-Butadiene
Concen: 8.270 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:225 Resp: 1232915

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



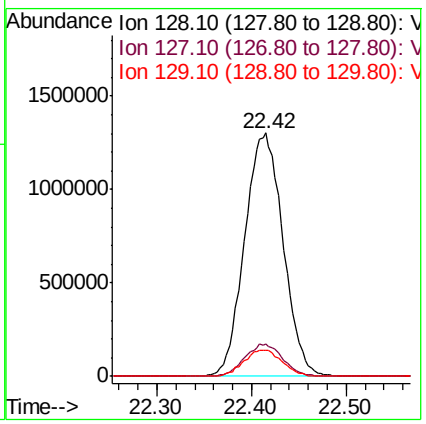


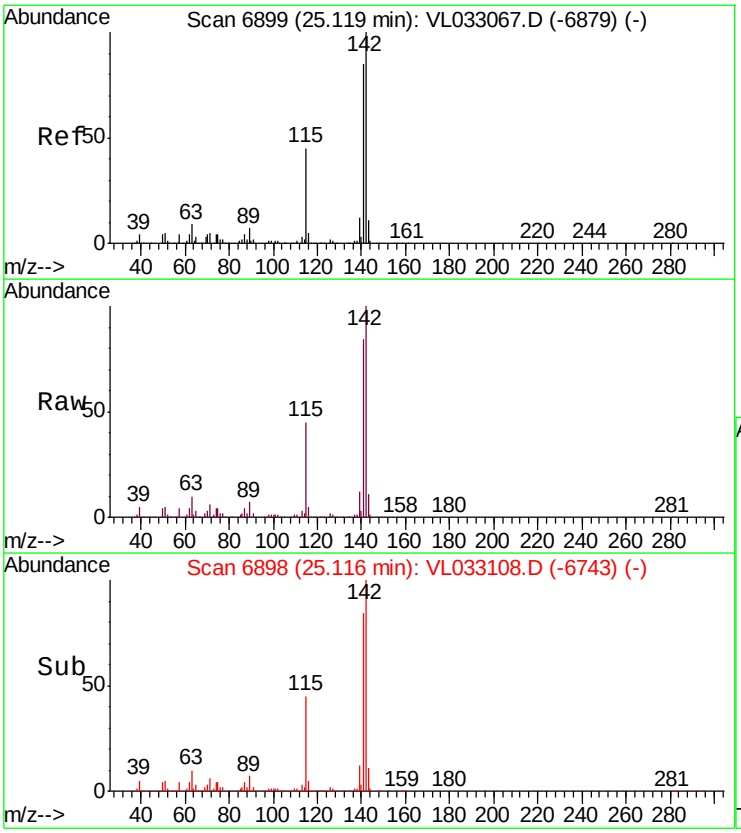
#79
Naphthalene
Concen: 11.882 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion:128 Resp: 3664650

Ion	Ratio	Lower	Upper
128	100		
127	13.4	11.0	16.6
129	10.8	9.4	14.0

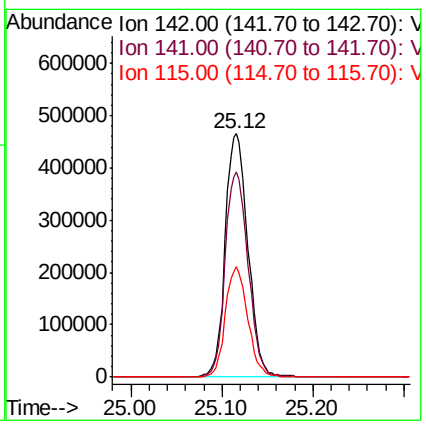


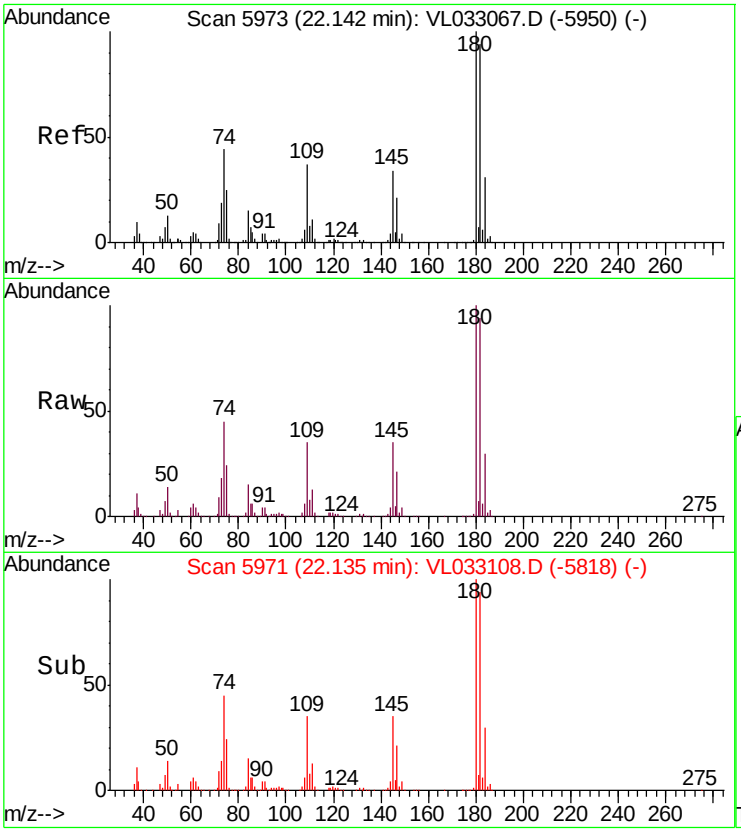


#80
Naphthalene,2-methyl-
Concen: 8.648 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Tgt Ion:142 Resp: 809412

Ion	Ratio	Lower	Upper
142	100		
141	85.4	68.6	103.0
115	44.8	35.6	53.4





#81
1,2,4-Trichlorobenzene
Concen: 11.380 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. -0.01 min
Lab File: VL033108.D
Acq: 17 Jan 2019 1:55

Instrument :
MSVOA_L
ClientSampleId :
IDOC-1

Tgt Ion:180 Resp: 1695695

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