Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101718\
Data File : VL032636.D
Acq On : 17 Oct 2018 11:37
Operator : SY/AP
Sample : VL1017ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Quant Time: Oct 17 16:34:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1144186	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2574078	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2867236m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.60	95	2017570	9.35	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	813466	9.631	ppbv	99
3) Chlorodifluoromethane	3.02	51	910699	9.513	ppbv	97
4) Chloromethane	3.18	50	494571	9.463	ppbv	99
5) Vinyl Chloride	3.30	62	517644	9.831	ppbv	99
6) Bromomethane	3.53	94	329396	9.904	ppbv	93
7) Chloroethane	3.62	64	199012	9.656	ppbv	100
8) Dichlorotetrafluoroethane	3.23	85	1238114	9.599	ppbv	99
9) Propene	3.05	41	355133	10.119	ppbv	99
10) Heptane	8.26	43	1472078	11.200	ppbv	98
11) Trichlorofluoromethane	4.02	101	1394696	9.489	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1179152	10.957	ppbv	100
13) Ethanol	3.66	45	95176	8.764	ppbv	99
14) Bromoethene	3.80	108	408641	10.379	ppbv	100
15) Acetone	3.91	43	962734	9.455	ppbv	100
16) 1,3-Butadiene	3.37	39	436905	11.588	ppbv	84
17) tert-Butyl alcohol	4.37	59	92713	9.977	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	475335	9.794	ppbv	97
19) Isopropyl Alcohol	4.04	45	679408	9.448	ppbv	99
20) Methylene Chloride	4.42	84	420628	9.222	ppbv	97
21) Allyl Chloride	4.49	41	787571	10.307	ppbv	98
22) trans-1,2-Dichloroethene	4.98	96	521872	9.308	ppbv	90
23) Vinyl Acetate	5.17	43	1798078	11.100	ppbv	98
24) 1,1-Dichloroethane	5.10	63	1508145	10.042	ppbv	100
25) Ethyl Acetate	5.79	43	2506608	10.404	ppbv	99
26) Hexane	5.80	57	1180276	10.876	ppbv	99
27) Carbon Disulfide	4.63	76	1361612	10.383	ppbv	100
28) Methyl tert-Butyl Ether	5.13	73	1515944	11.116	ppbv	100
29) Chloroform	5.87	83	1953519	10.271	ppbv	94
30) Cyclohexane	7.27	84	981954	11.474	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1169398	11.217	ppbv	98
32) 1,1,1-Trichloroethane	6.64	97	1906159	10.045	ppbv	99
34) 2-Butanone	5.34	43	1512828	10.589	ppbv	99
35) Carbon Tetrachloride	7.15	117	2014379	10.098	ppbv	99
36) Benzene	7.02	78	2334288	11.188	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1523635	10.648	ppbv	100
38) Trichloroethene	7.98	130	901487	11.491	ppbv	98
39) 1,2-Dichloropropane	7.76	63	922078	10.864	ppbv	97
40) 1,4-Dioxane	7.98	88	305610	10.422	ppbv #	1
41) Tetrahydrofuran	6.16	42	843499	11.128	ppbv	97
42) Bromodichloromethane	7.94	83	2138404	10.963	ppbv	99
43) Methyl Methacrylate	8.16	69	969996	11.990	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101718\
Data File : VL032636.D
Acq On : 17 Oct 2018 11:37
Operator : SY/AP
Sample : VL1017ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Quant Time: Oct 17 16:34:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

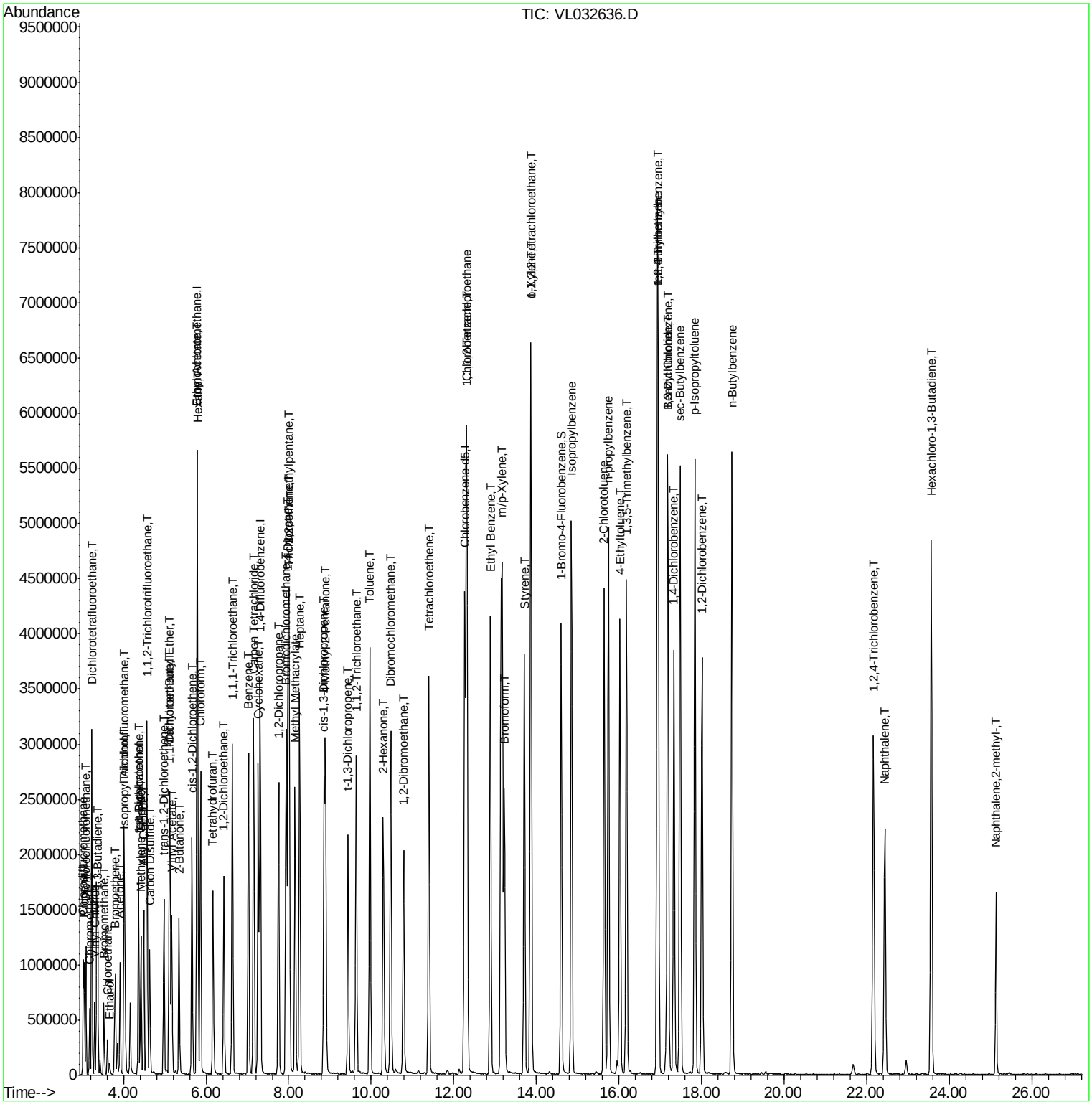
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4150849	11.222	ppbv		100
45) t-1,3-Dichloropropene	9.43	75	1265770	11.966	ppbv		98
46) cis-1,3-Dichloropropene	8.86	75	1498772	12.446	ppbv		99
47) 1,1,2-Trichloroethane	9.64	97	1031162	10.166	ppbv		98
48) Dibromochloromethane	10.47	129	1916828	11.127	ppbv		100
49) Bromoform	13.23	173	1474965	11.331	ppbv		99
50) 4-Methyl-2-Pentanone	8.89	43	2349452	11.173	ppbv		100
51) 2-Hexanone	10.29	43	2097637	12.686	ppbv	#	99
52) Tetrachloroethene	11.40	164	828451	12.061	ppbv		98
53) Toluene	9.97	91	2985653	12.552	ppbv		100
54) 1,2-Dibromoethane	10.78	107	1672986	11.519	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1368079	10.391	ppbv		99
57) Chlorobenzene	12.32	112	2292787	10.515	ppbv		98
58) Ethyl Benzene	12.88	91	3775196	11.724	ppbv		99
59) m/p-Xylene	13.17	91	6461128m	22.478	ppbv		
60) o-Xylene	13.87	91	3151014	11.001	ppbv		99
61) Styrene	13.71	104	2201393	12.682	ppbv		99
62) Isopropylbenzene	14.85	105	4424699	10.844	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2358095	9.329	ppbv		99
64) n-propylbenzene	15.74	120	1136783	10.994	ppbv		99
65) tert-Butylbenzene	16.93	119	3786238	10.936	ppbv		100
66) Benzyl Chloride	17.18	91	2214040	11.342	ppbv		99
67) sec-Butylbenzene	17.48	105	5516319	10.586	ppbv		100
69) p-Isopropyltoluene	17.84	119	4437233	11.250	ppbv		100
70) n-Butylbenzene	18.74	91	4810431	11.070	ppbv		100
71) 2-Chlorotoluene	15.64	91	3439347	11.402	ppbv		100
72) 4-Ethyltoluene	16.02	105	3630578	11.726	ppbv		99
73) 1,3,5-Trimethylbenzene	16.18	105	3464989	11.251	ppbv		99
74) 1,2,4-Trimethylbenzene	16.95	105	3547956	10.464	ppbv		98
75) 1,3-Dichlorobenzene	17.19	146	1922532	9.756	ppbv		100
76) 1,4-Dichlorobenzene	17.33	146	1902739	10.597	ppbv		100
77) 1,2-Dichlorobenzene	18.01	146	1909282	10.079	ppbv		99
78) Hexachloro-1,3-Butadiene	23.56	225	1152402	10.870	ppbv		100
79) Naphthalene	22.44	128	2838129	12.309	ppbv		99
80) Naphthalene,2-methyl-	25.13	142	827537	11.010	ppbv		100
81) 1,2,4-Trichlorobenzene	22.16	180	1364146	11.918	ppbv		100

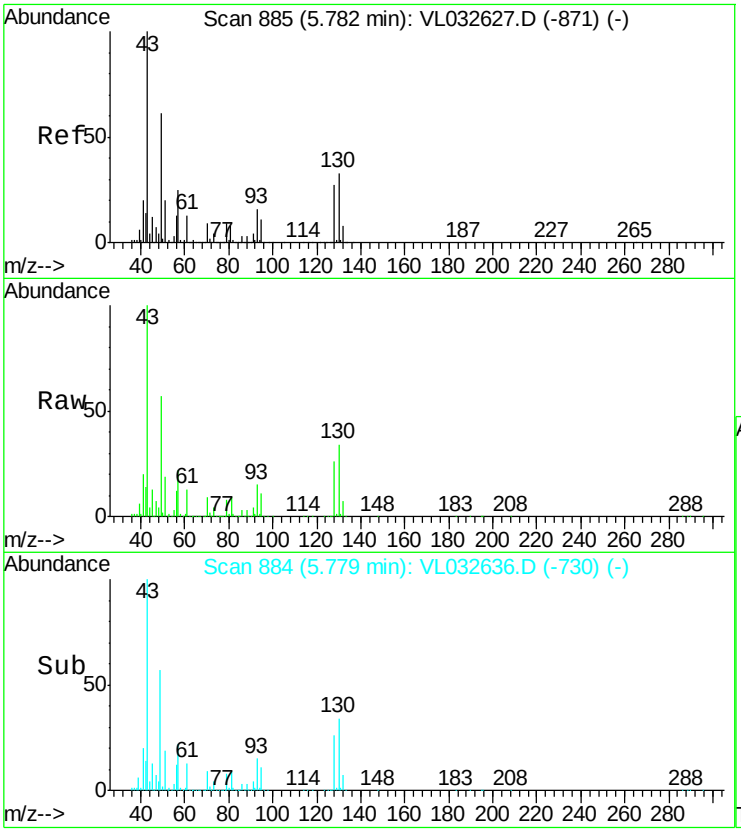
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101718\
Data File : VL032636.D
Acq On : 17 Oct 2018 11:37
Operator : SY/AP
Sample : VL1017ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Quant Time: Oct 17 16:34:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration



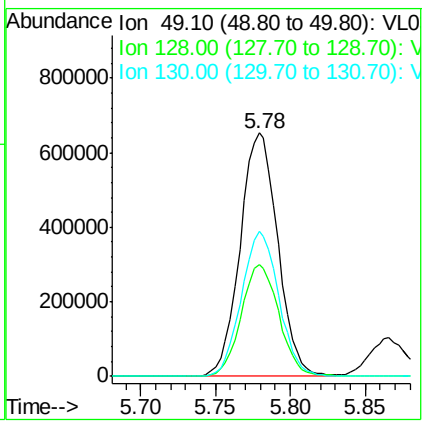


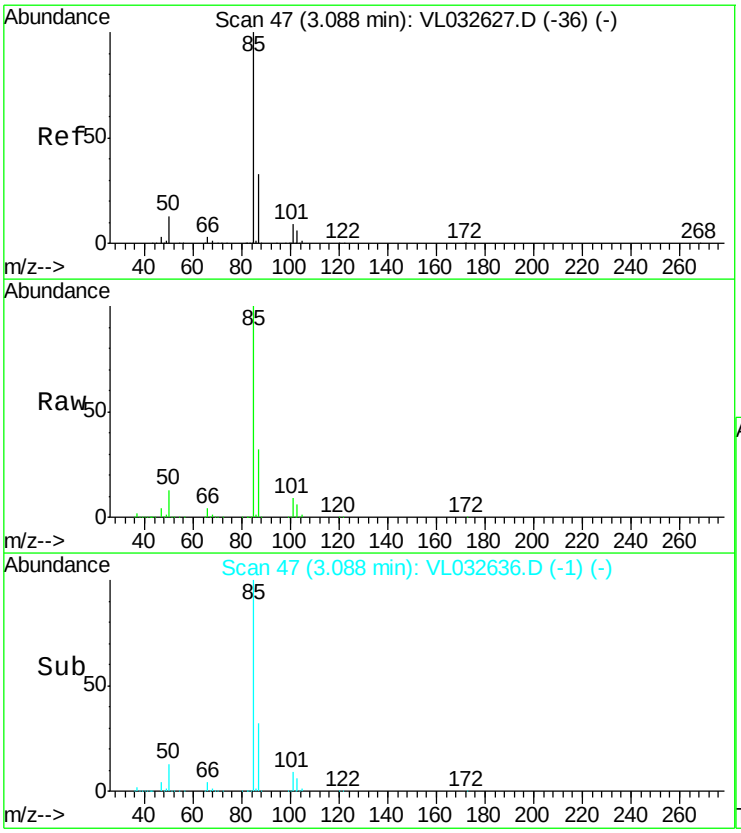
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 49 Resp: 1144186

Ion	Ratio	Lower	Upper
49	100		
128	46.3	22.3	66.8
130	59.4	28.4	85.3

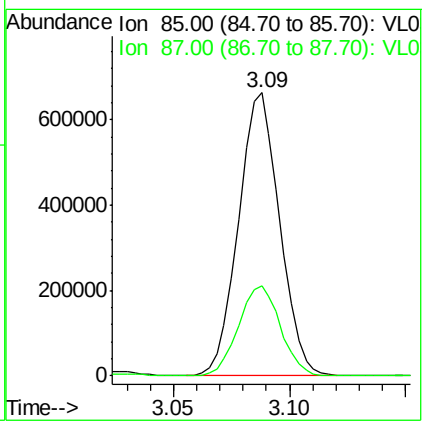


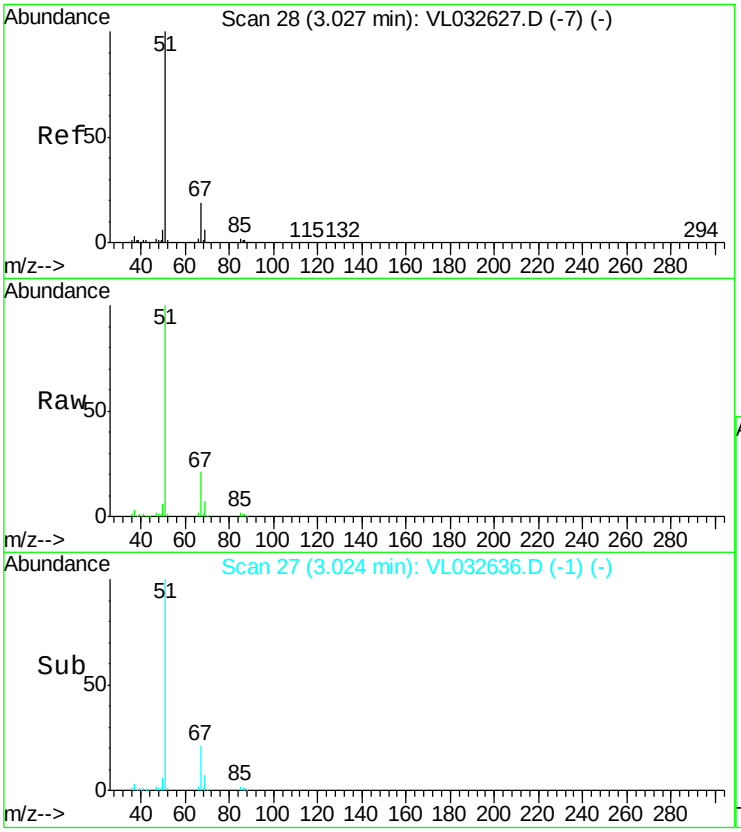


#2
Dichlorodifluoromethane
Concen: 9.631 ppbv
RT: 3.09 min Scan# 47
Delta R.T. 0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 85 Resp: 813466

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.2	39.2



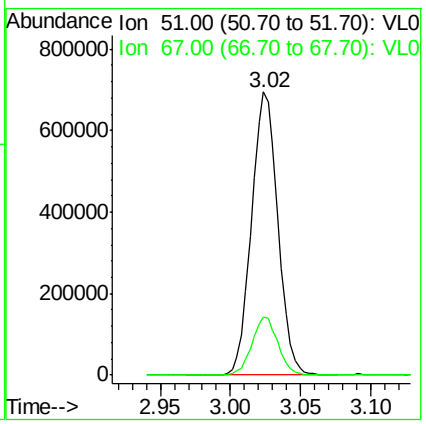


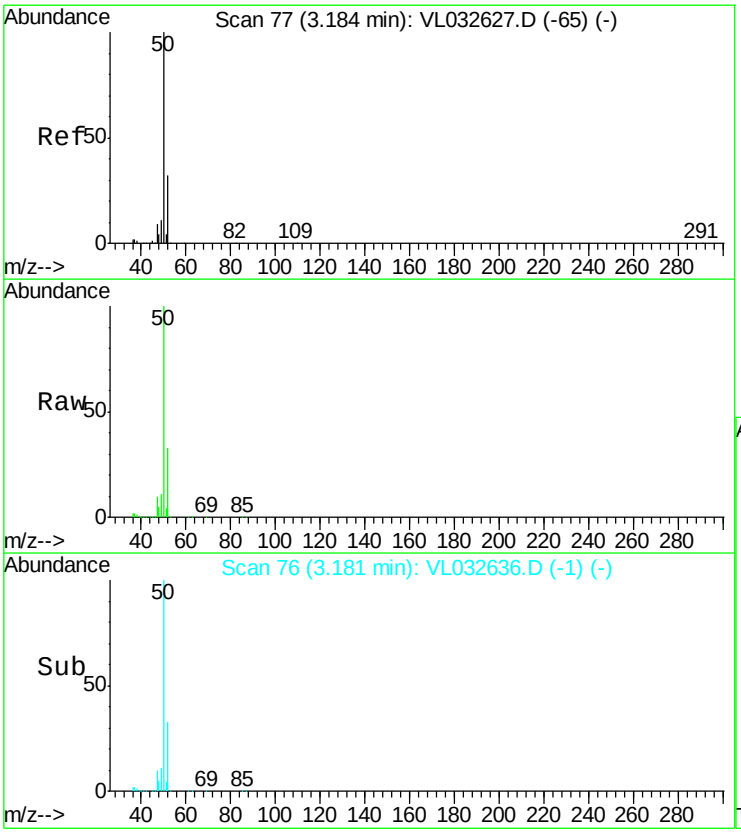
#3
Chlorodifluoromethane
Concen: 9.513 ppbv
RT: 3.02 min Scan# 27
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 51 Resp: 910699

Ion	Ratio	Lower	Upper
51	100		
67	20.2	15.2	22.8

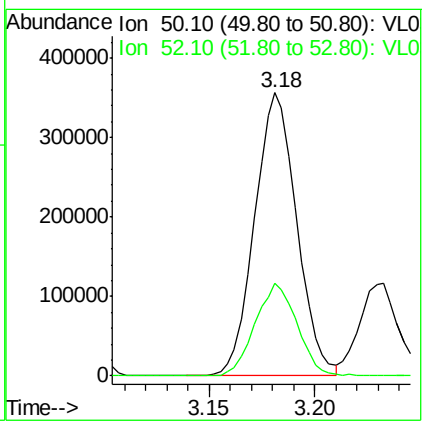


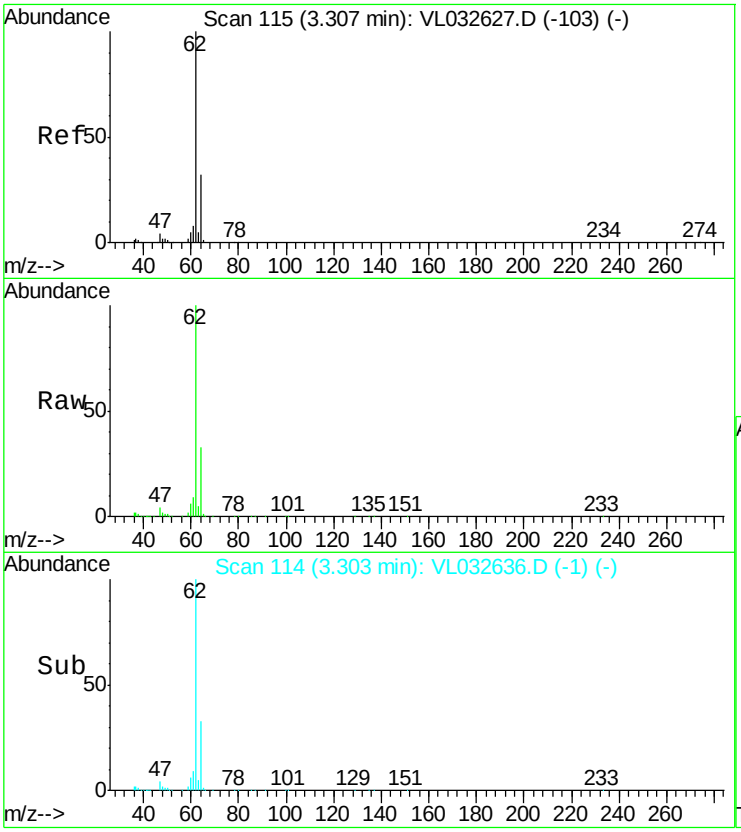


#4
Chloromethane
Concen: 9.463 ppbv
RT: 3.18 min Scan# 76
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 50 Resp: 494571

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.9	38.9



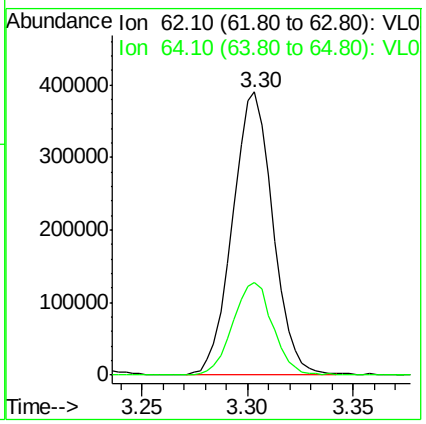


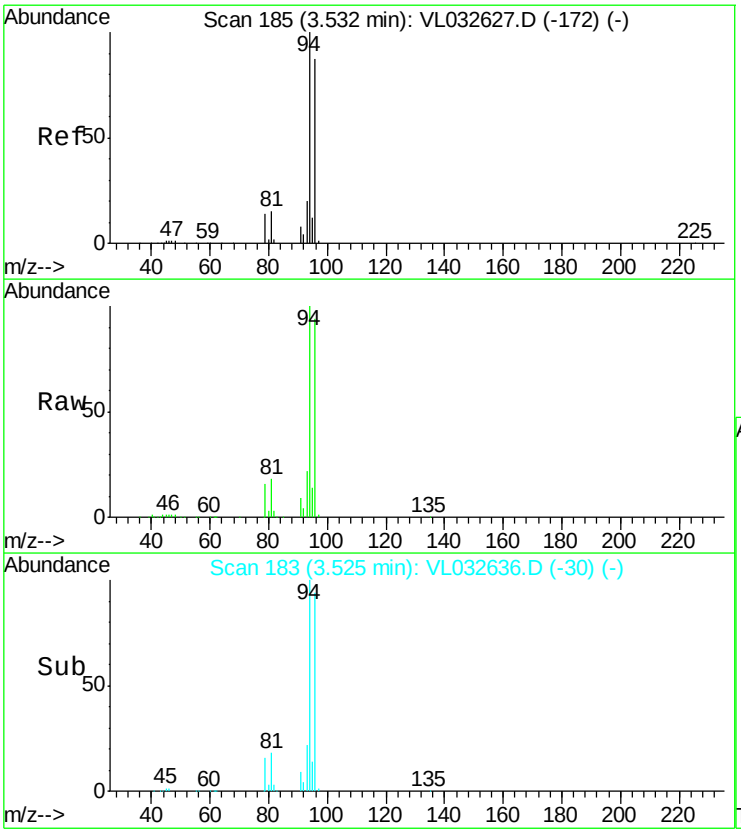
#5
Vinyl Chloride
Concen: 9.831 ppbv
RT: 3.30 min Scan# 114
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 62 Resp: 517644

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.5	38.3

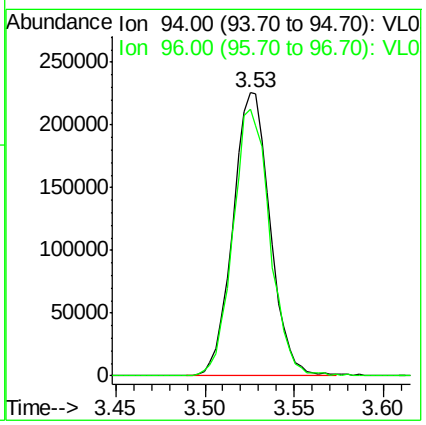


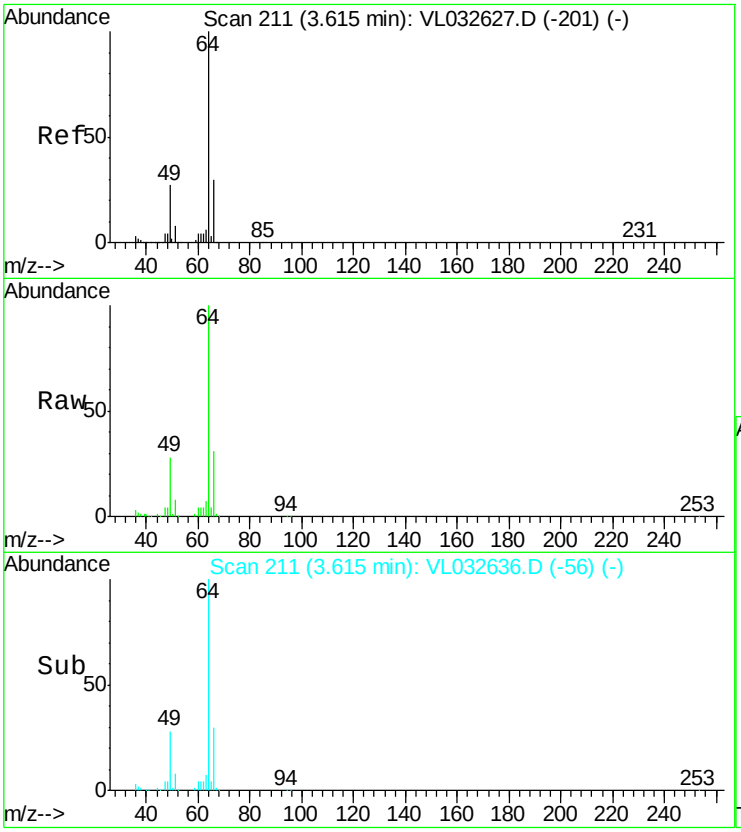


#6
Bromomethane
Concen: 9.904 ppbv
RT: 3.53 min Scan# 183
Delta R.T. -0.01 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 94 Resp: 329396

Ion	Ratio	Lower	Upper
94	100		
96	94.0	69.8	104.8



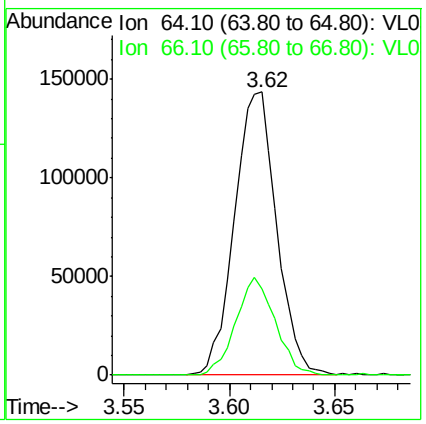


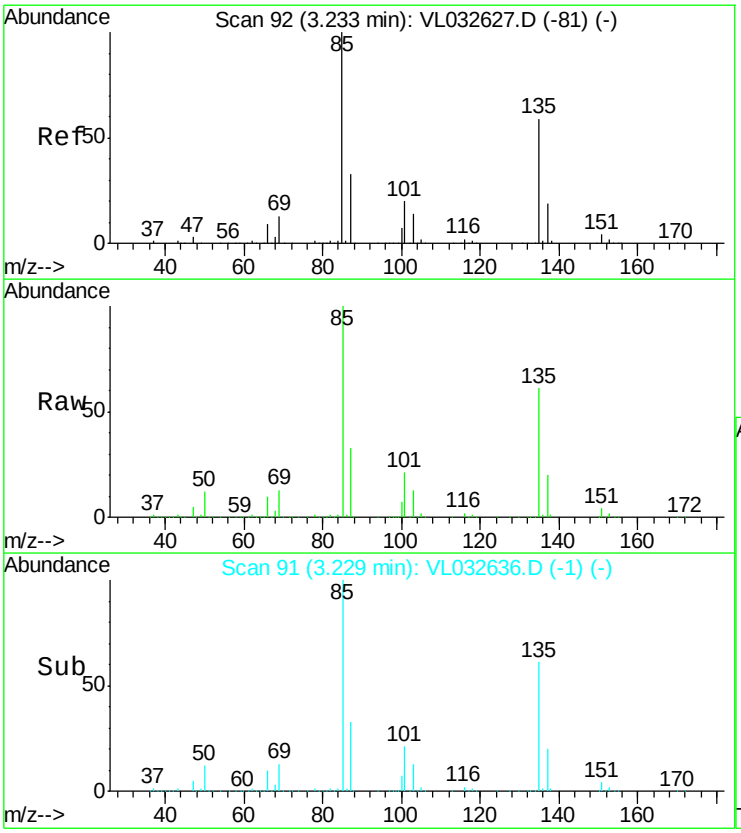
#7
Chloroethane
Concen: 9.656 ppbv
RT: 3.62 min Scan# 211
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 64 Resp: 199012

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.4	36.6

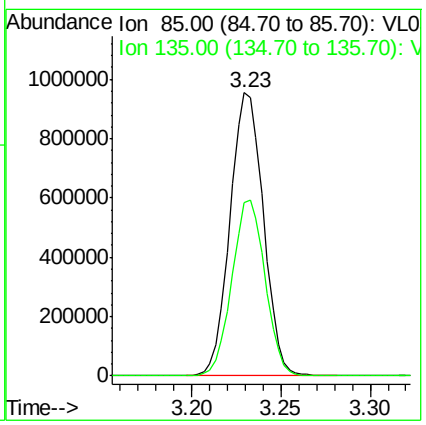


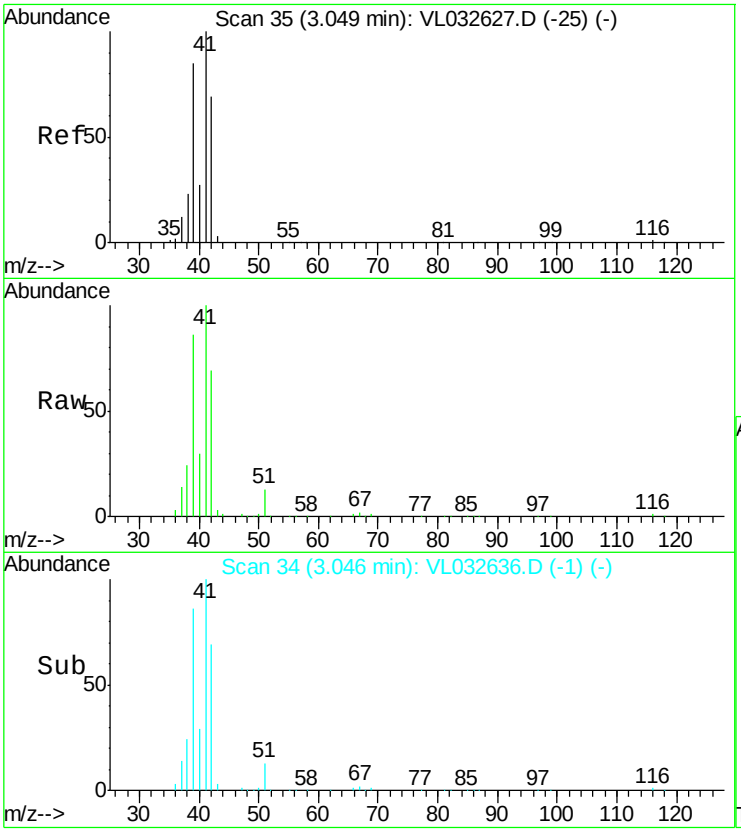


#8
Dichlorotetrafluoroethane
Concen: 9.599 ppbv
RT: 3.23 min Scan# 91
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 85 Resp: 1238114

Ion	Ratio	Lower	Upper
85	100		
135	61.9	49.0	73.4



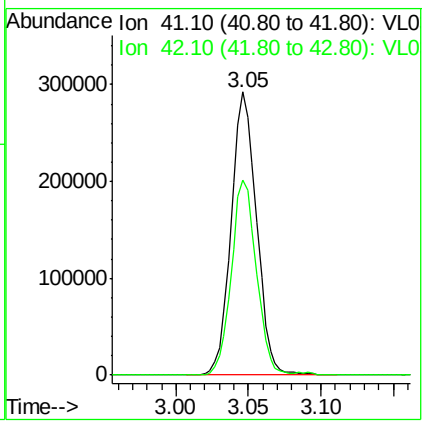


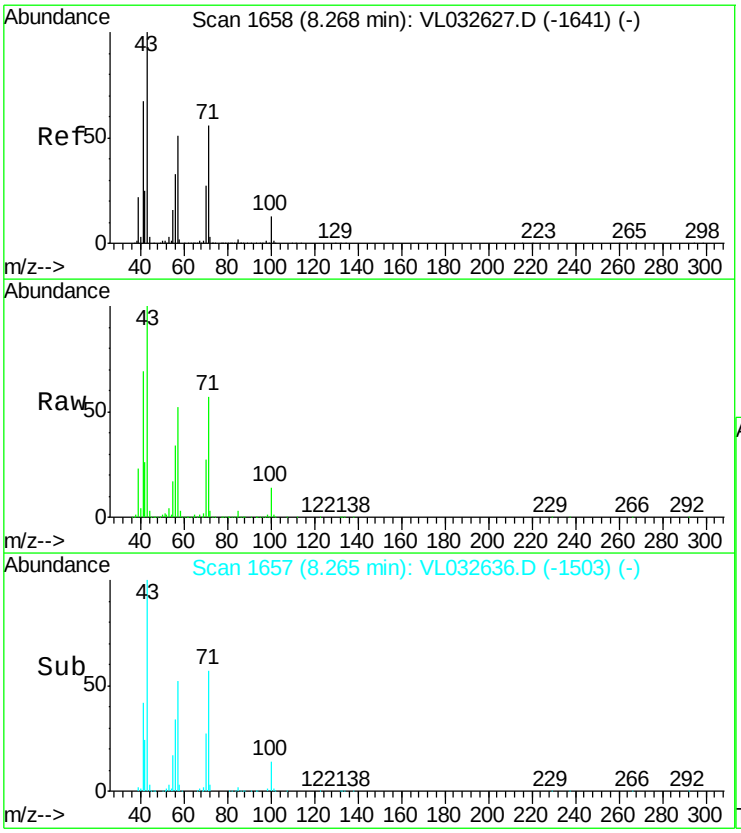
#9
Propene
Concen: 10.119 ppbv
RT: 3.05 min Scan# 34
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 41 Resp: 355133

Ion	Ratio	Lower	Upper
41	100		
42	68.7	55.4	83.0

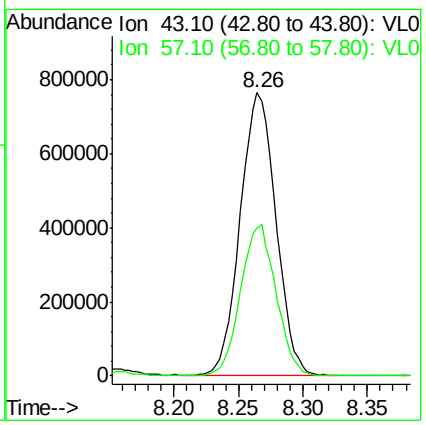


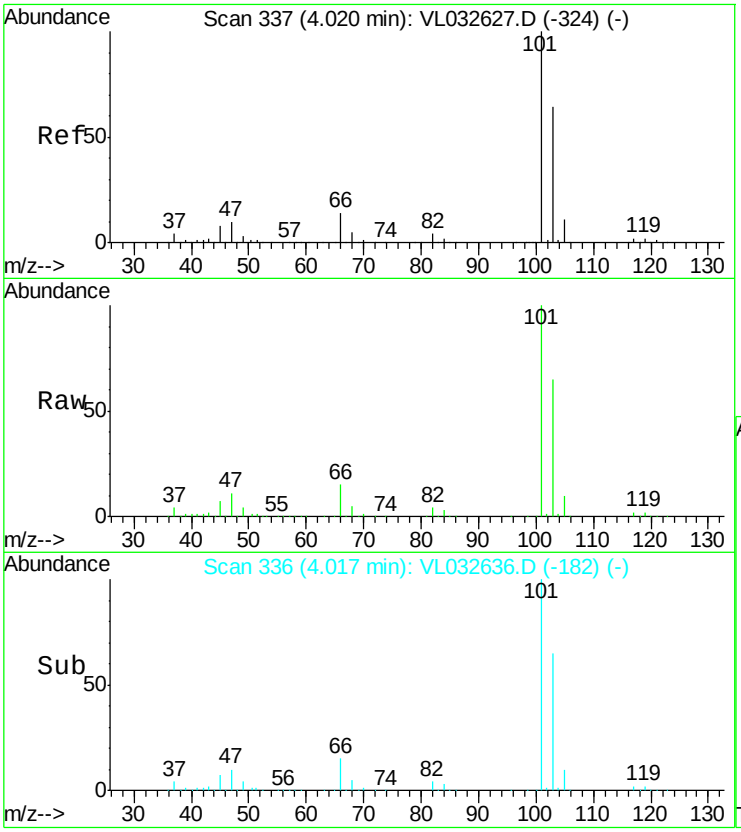


#10
Heptane
Concen: 11.200 ppbv
RT: 8.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 43 Resp: 1472078

Ion	Ratio	Lower	Upper
43	100		
57	53.1	41.5	62.3



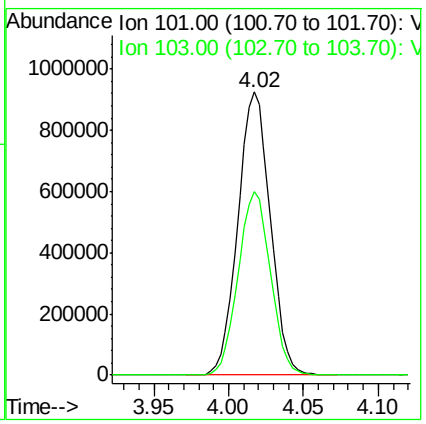


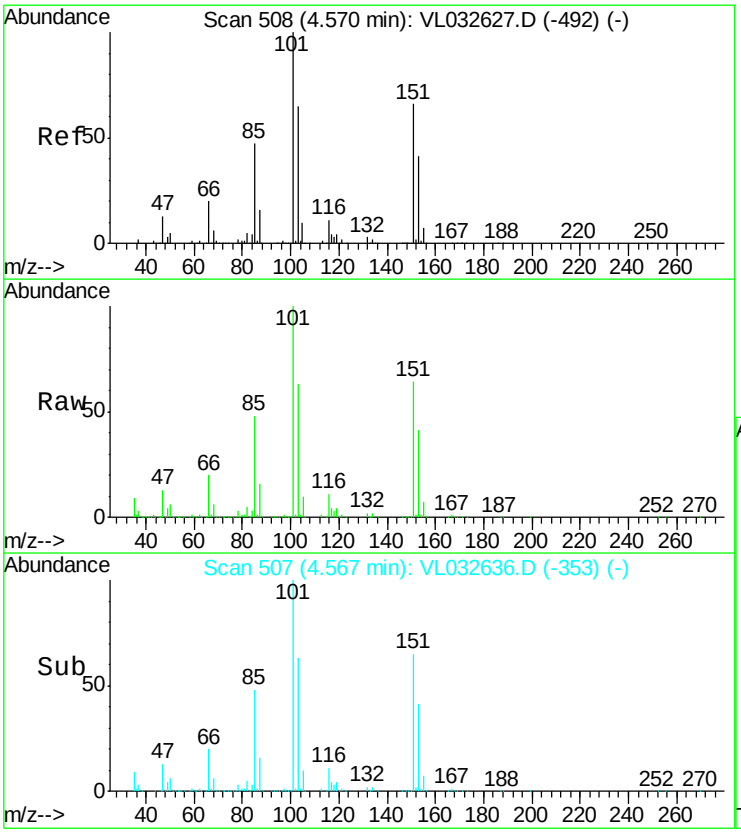
#11
Trichlorofluoromethane
Concen: 9.489 ppbv
RT: 4.02 min Scan# 336
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion:101 Resp: 1394696

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.4	77.2

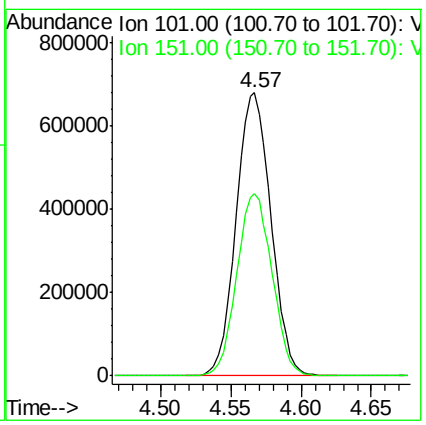


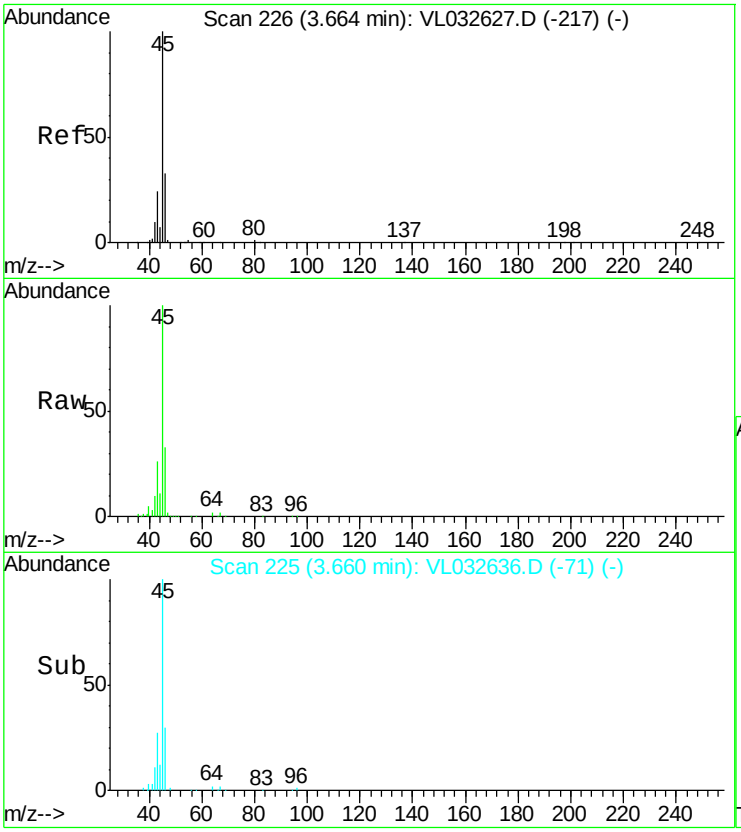


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.957 ppbv
RT: 4.57 min Scan# 507
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:101 Resp: 1179152

Ion	Ratio	Lower	Upper
101	100		
151	65.2	52.3	78.5



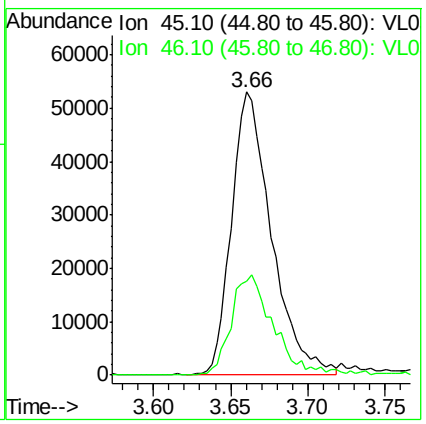


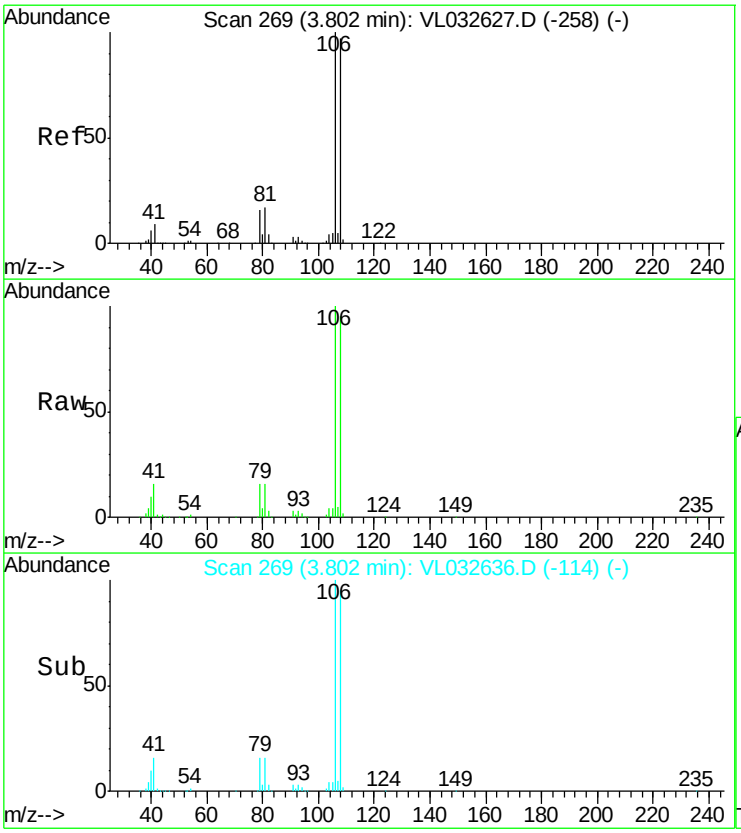
#13
Ethanol
Concen: 8.764 ppbv
RT: 3.66 min Scan# 225
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 45 Resp: 95176

Ion	Ratio	Lower	Upper
45	100		
46	37.7	15.4	61.8

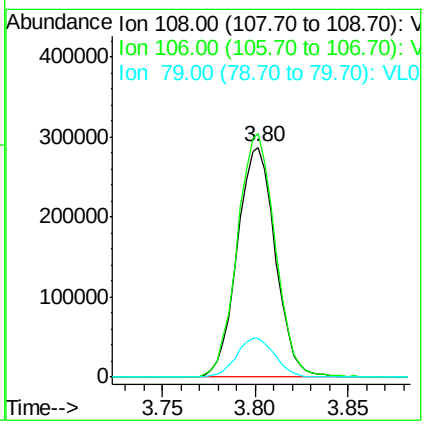


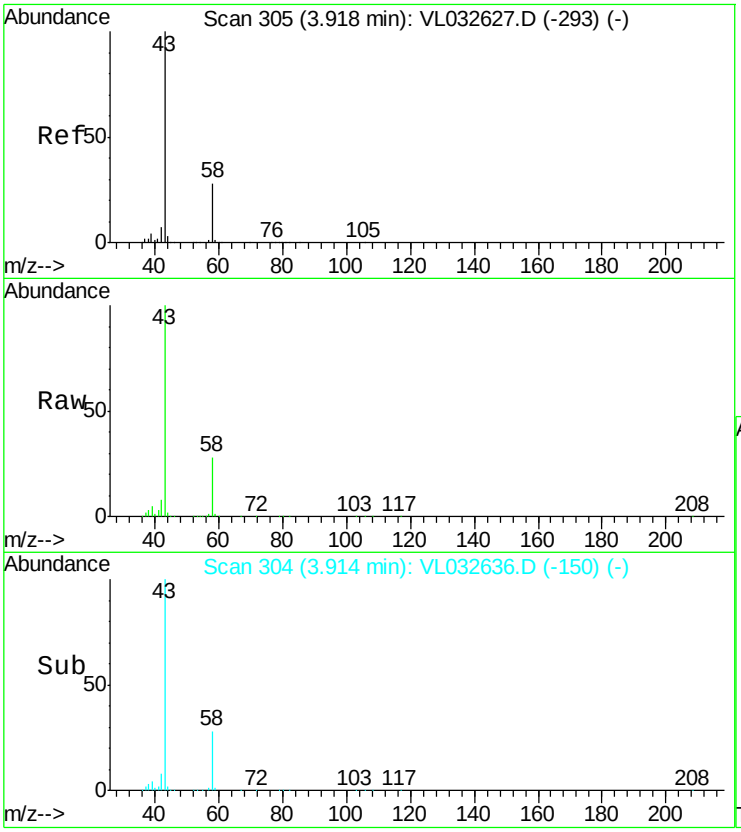


#14
Bromoethene
Concen: 10.379 ppbv
RT: 3.80 min Scan# 269
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:108 Resp: 408641

Ion	Ratio	Lower	Upper
108	100		
106	106.1	85.0	127.4
79	17.5	13.7	20.5



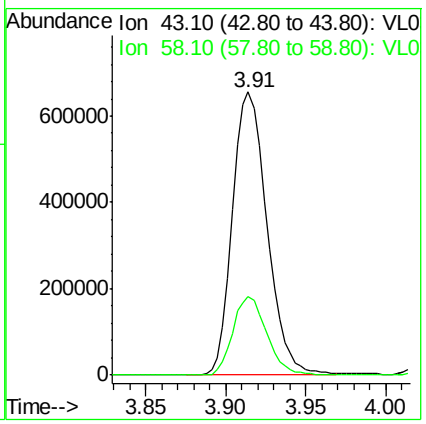


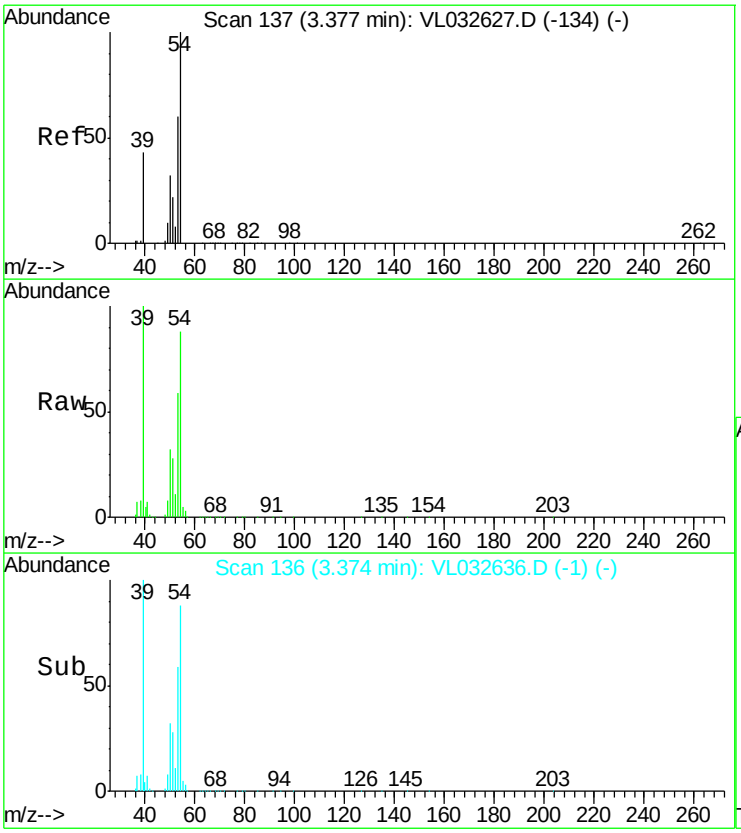
#15
Acetone
Concen: 9.455 ppbv
RT: 3.91 min Scan# 304
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 43 Resp: 962734

Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.1	33.1

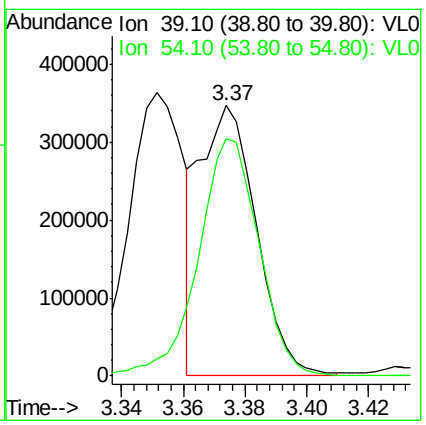


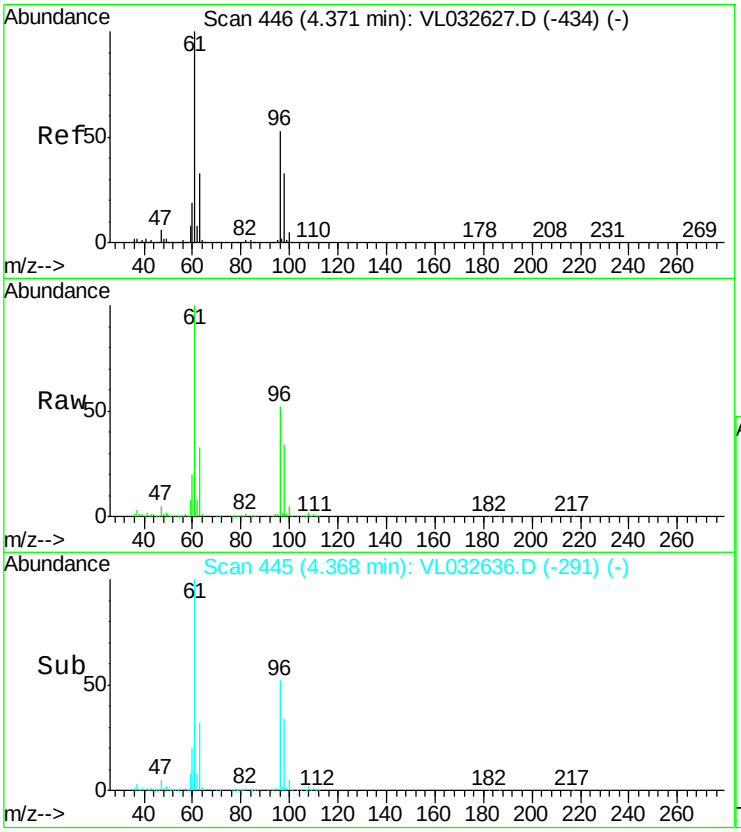


#16
1,3-Butadiene
Concen: 11.588 ppbv
RT: 3.37 min Scan# 136
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 39 Resp: 436905

Ion	Ratio	Lower	Upper
39	100		
54	95.8	90.4	135.6



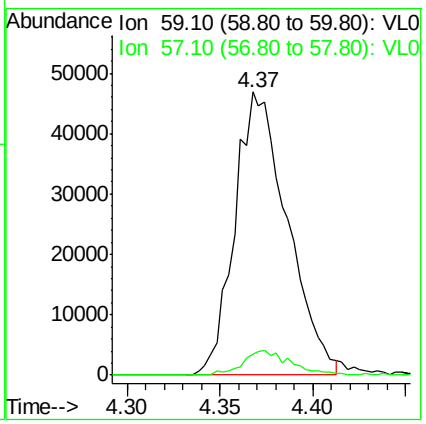


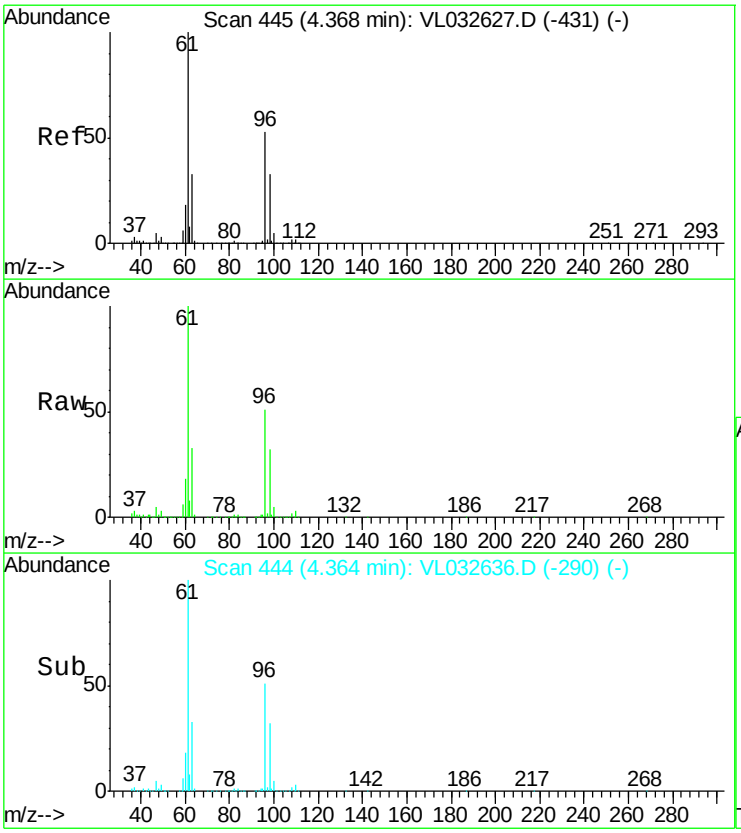
#17
tert-Butyl alcohol
Concen: 9.977 ppbv
RT: 4.37 min Scan# 445
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 59 Resp: 92713

Ion	Ratio	Lower	Upper
59	100		
57	7.9	0.0	0.0#

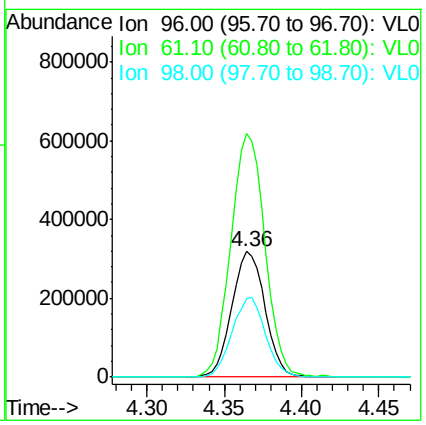


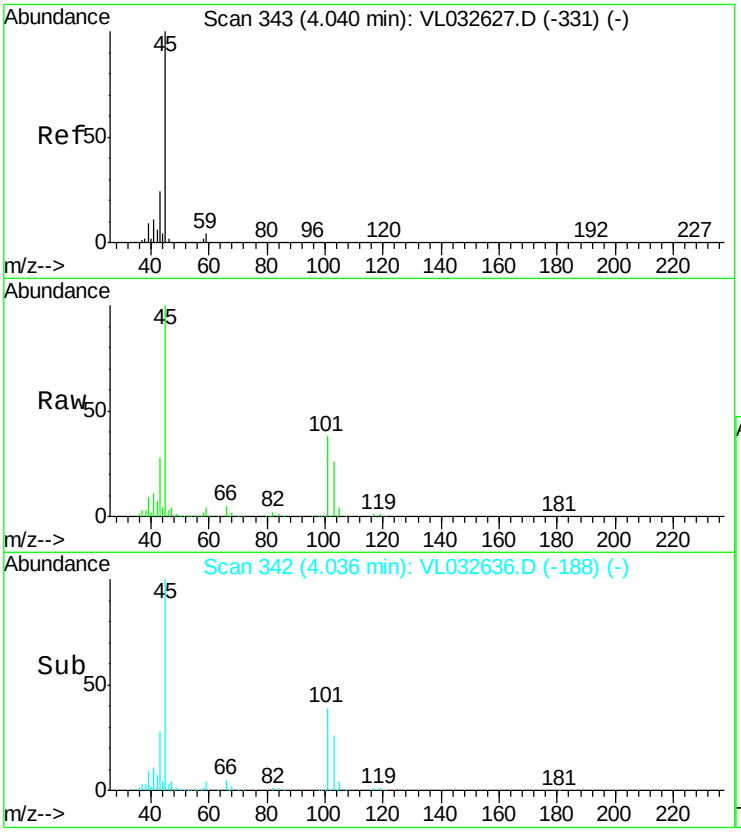


#18
1,1-Dichloroethene
Concen: 9.794 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 96 Resp: 475335

Ion	Ratio	Lower	Upper
96	100		
61	194.3	151.6	227.4
98	62.6	50.6	75.8



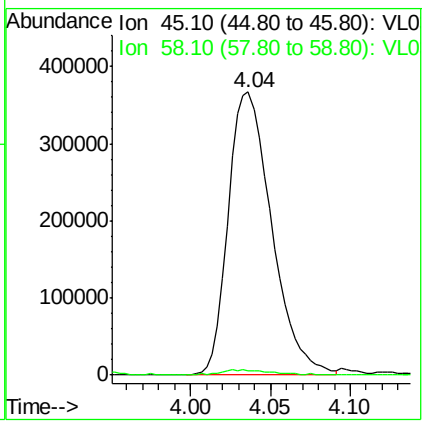


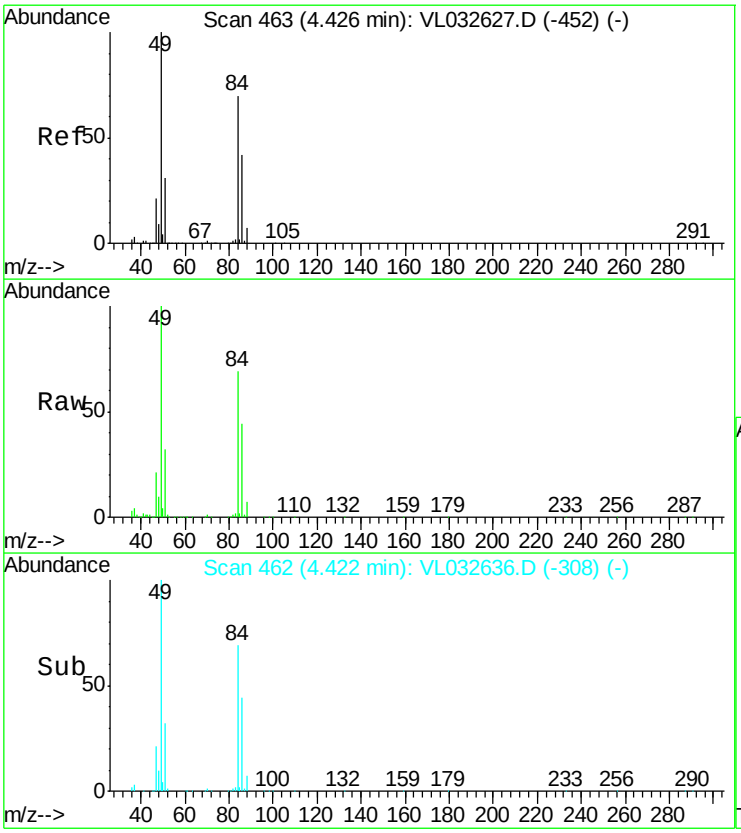
#19
Isopropyl Alcohol
Concen: 9.448 ppbv
RT: 4.04 min Scan# 342
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 45 Resp: 679408

Ion	Ratio	Lower	Upper
45	100		
58	2.3	2.0	3.0

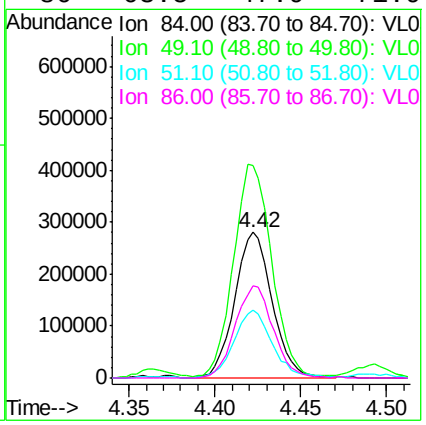


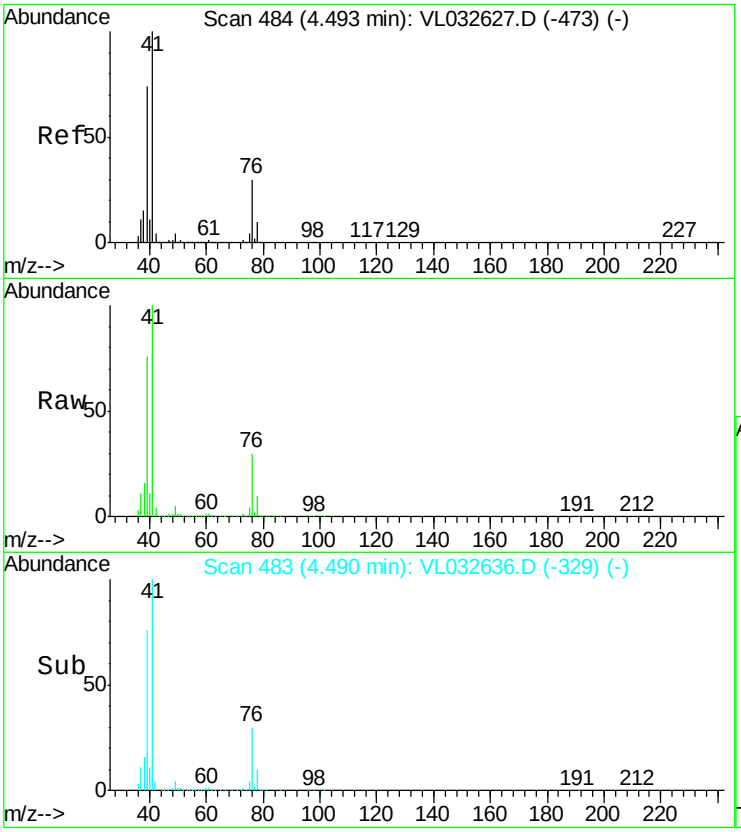


#20
Methylene Chloride
Concen: 9.222 ppbv
RT: 4.42 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 84 Resp: 420628

Ion	Ratio	Lower	Upper
84	100		
49	144.3	113.5	170.3
51	46.6	34.8	52.2
86	63.5	47.9	71.9



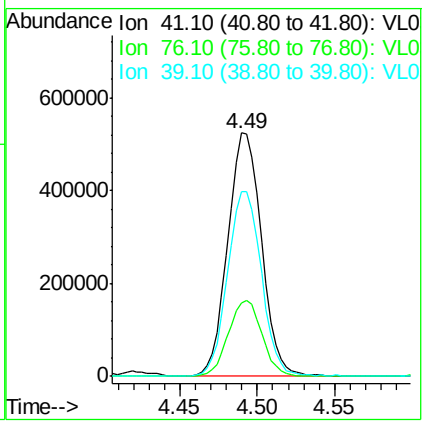


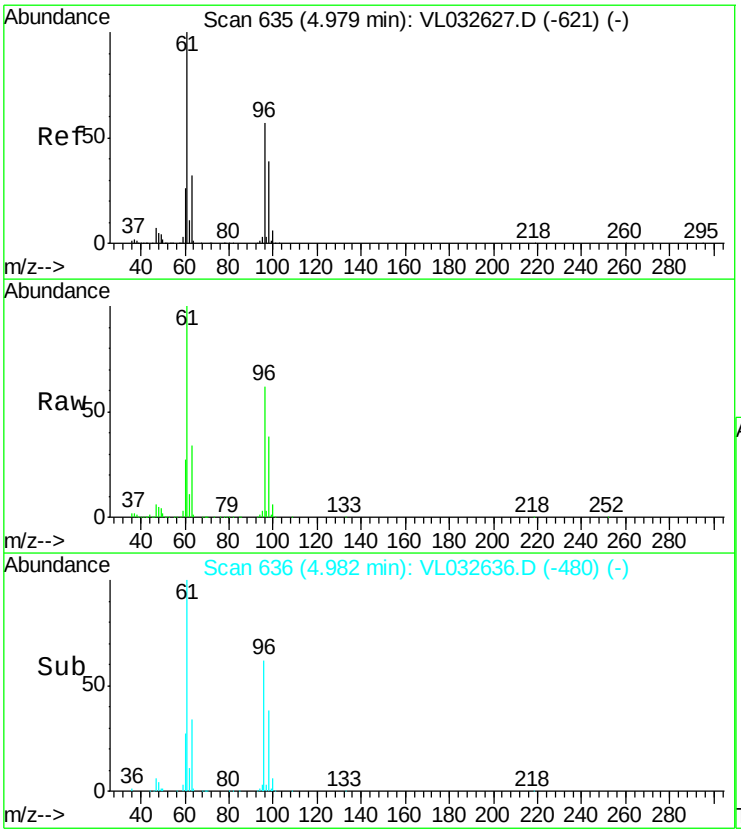
#21
Allyl Chloride
Concen: 10.307 ppbv
RT: 4.49 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 41 Resp: 787571

Ion	Ratio	Lower	Upper
41	100		
76	31.1	24.3	36.5
39	77.0	60.3	90.5

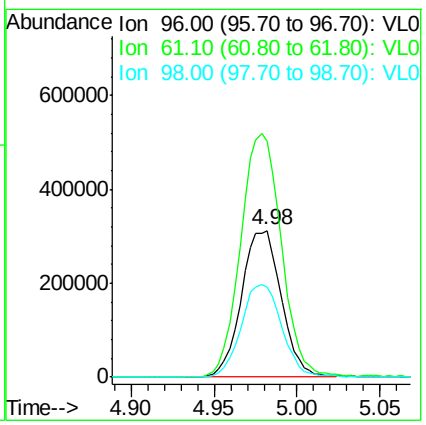


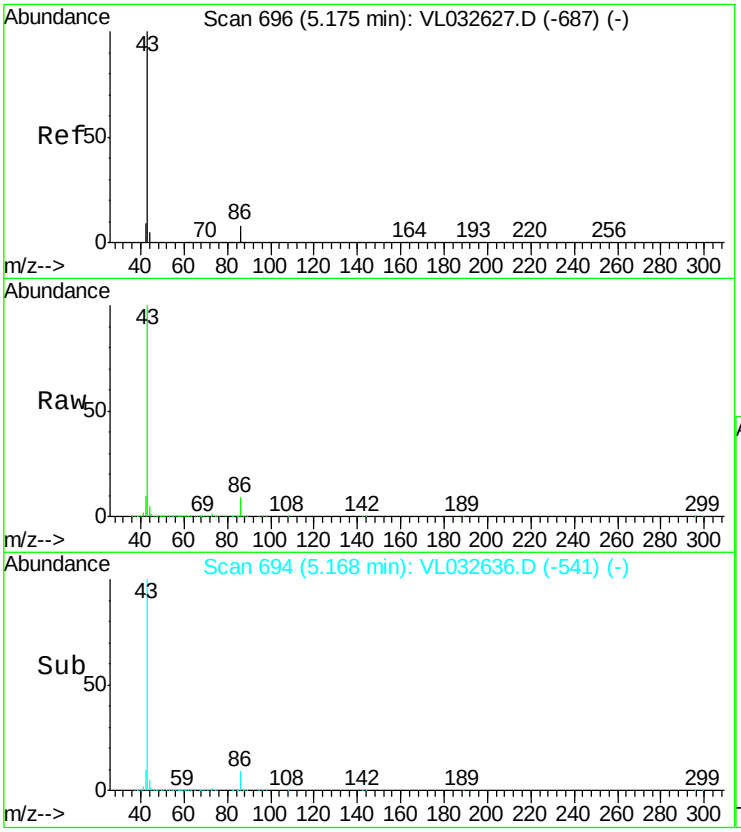


#22
trans-1,2-Dichloroethene
Concen: 9.308 ppbv
RT: 4.98 min Scan# 636
Delta R.T. 0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 96 Resp: 521872

Ion	Ratio	Lower	Upper
96	100		
61	161.6	140.4	210.6
98	61.5	55.0	82.6



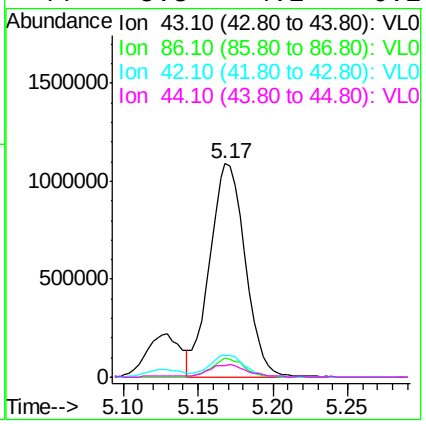


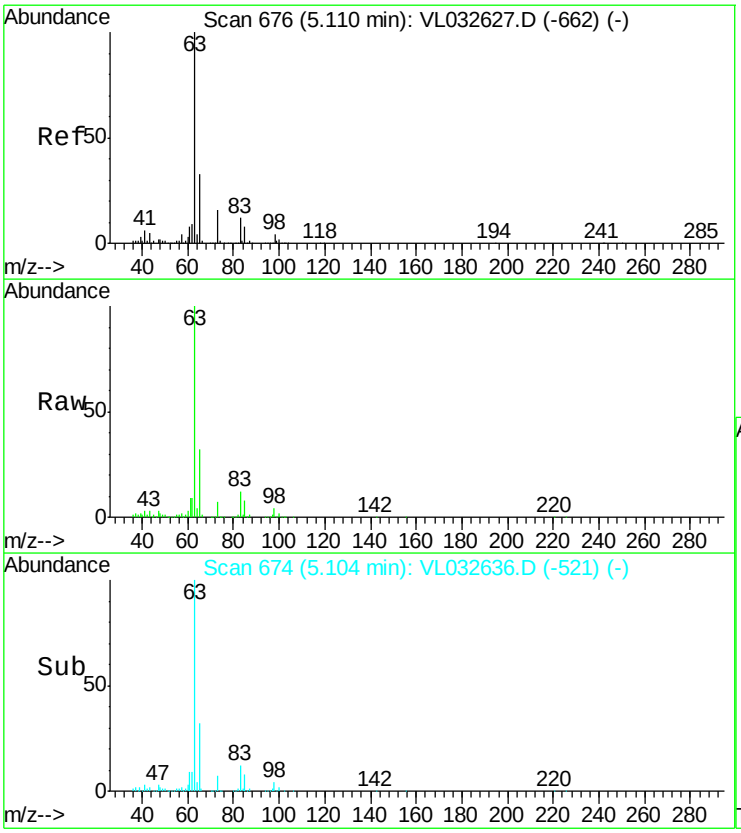
#23
Vinyl Acetate
Concen: 11.100 ppbv
RT: 5.17 min Scan# 694
Delta R.T. -0.01 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 43 Resp: 1798078

Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.1	9.1
42	10.1	7.4	11.2
44	5.3	4.2	6.2

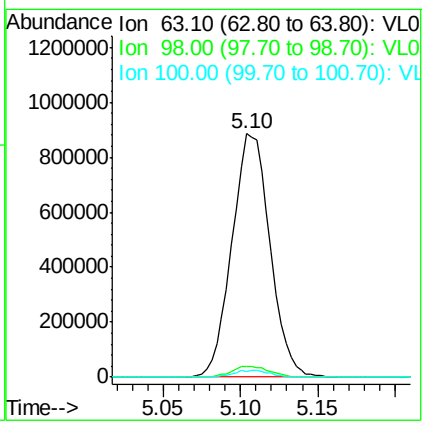


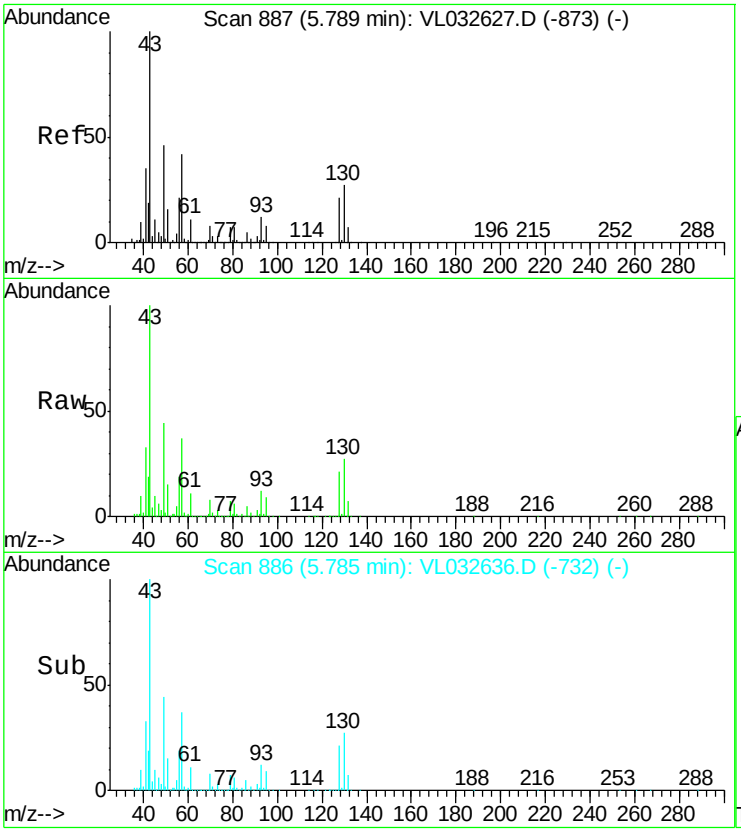


#24
1,1-Dichloroethane
Concen: 10.042 ppbv
RT: 5.10 min Scan# 674
Delta R.T. -0.01 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 63 Resp: 1508145

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.3
100	2.4	1.2	3.6



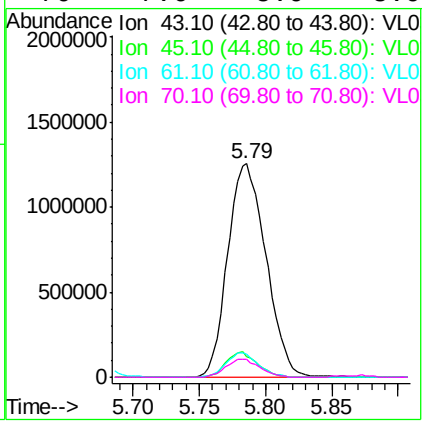


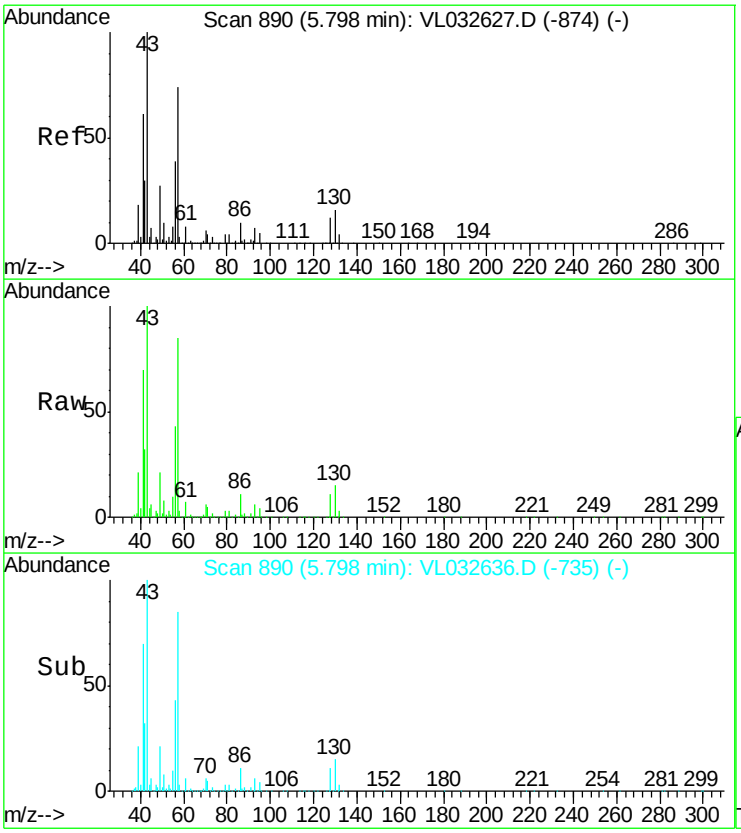
#25
Ethyl Acetate
Concen: 10.404 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 43 Resp: 2506608

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.6	8.0	12.0
70	7.6	5.9	8.9

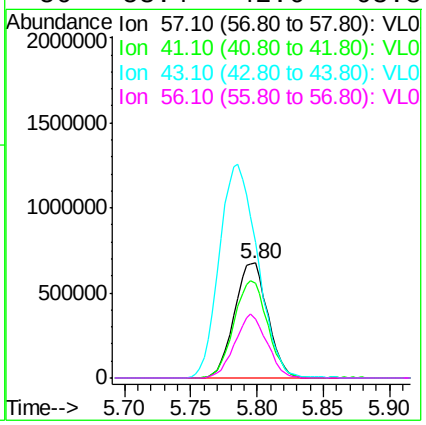


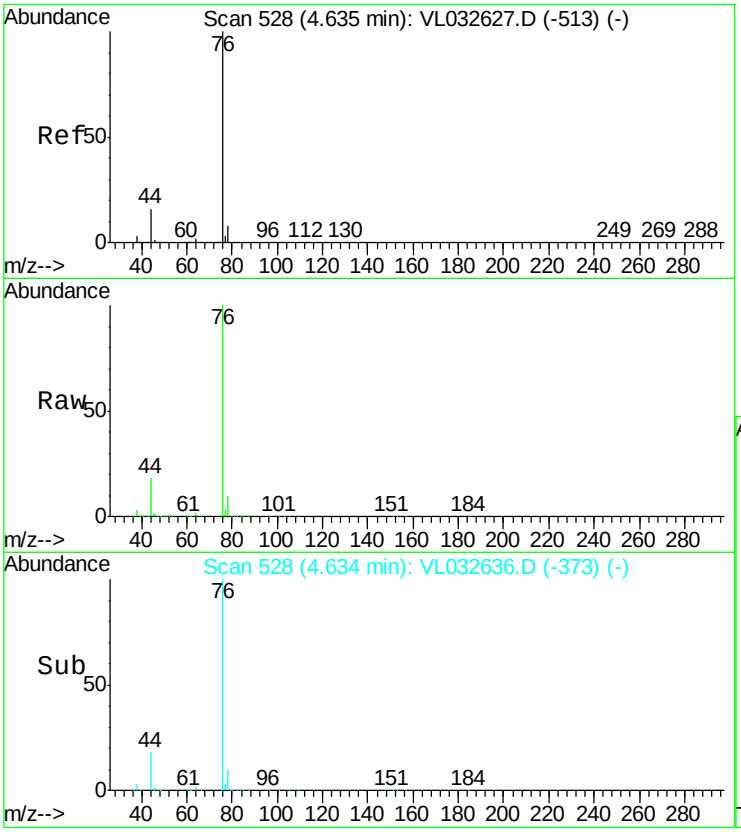


#26
Hexane
Concen: 10.876 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 57 Resp: 1180276

Ion	Ratio	Lower	Upper
57	100		
41	85.9	67.4	101.0
43	213.8	171.9	257.9
56	53.4	42.6	63.8



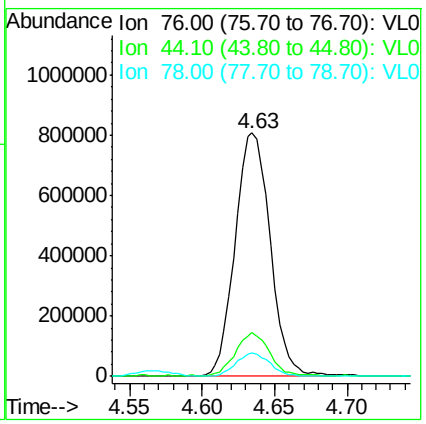


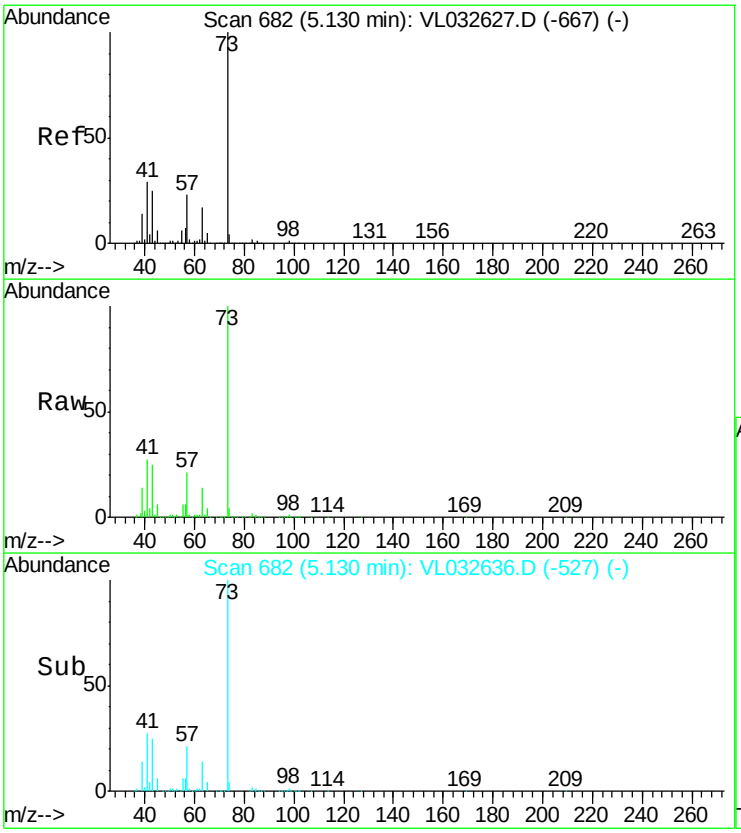
#27
Carbon Disulfide
Concen: 10.383 ppbv
RT: 4.63 min Scan# 528
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 76 Resp: 1361612

Ion	Ratio	Lower	Upper
76	100		
44	17.4	13.7	20.5
78	9.2	7.4	11.2

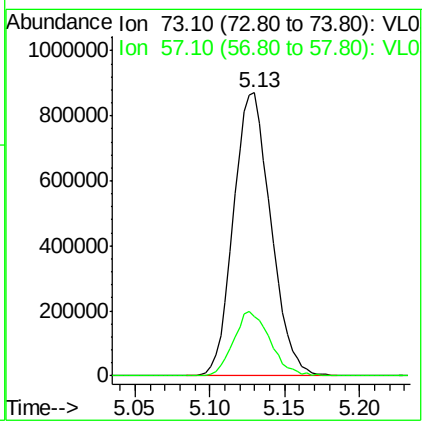


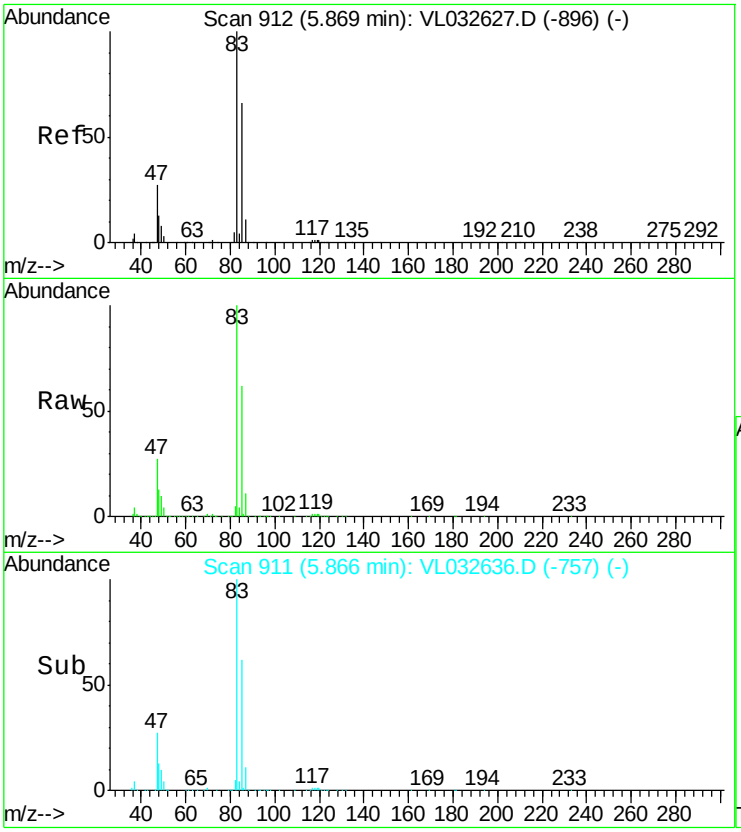


#28
Methyl tert-Butyl Ether
Concen: 11.116 ppbv
RT: 5.13 min Scan# 682
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 73 Resp: 1515944

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.0	27.0



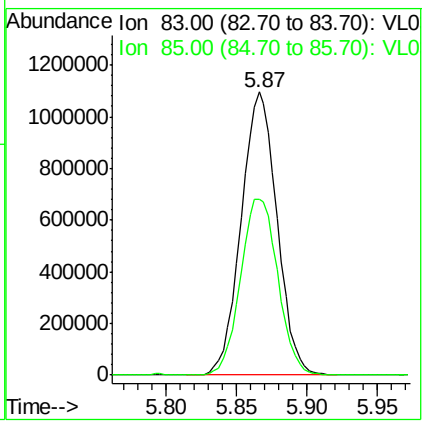


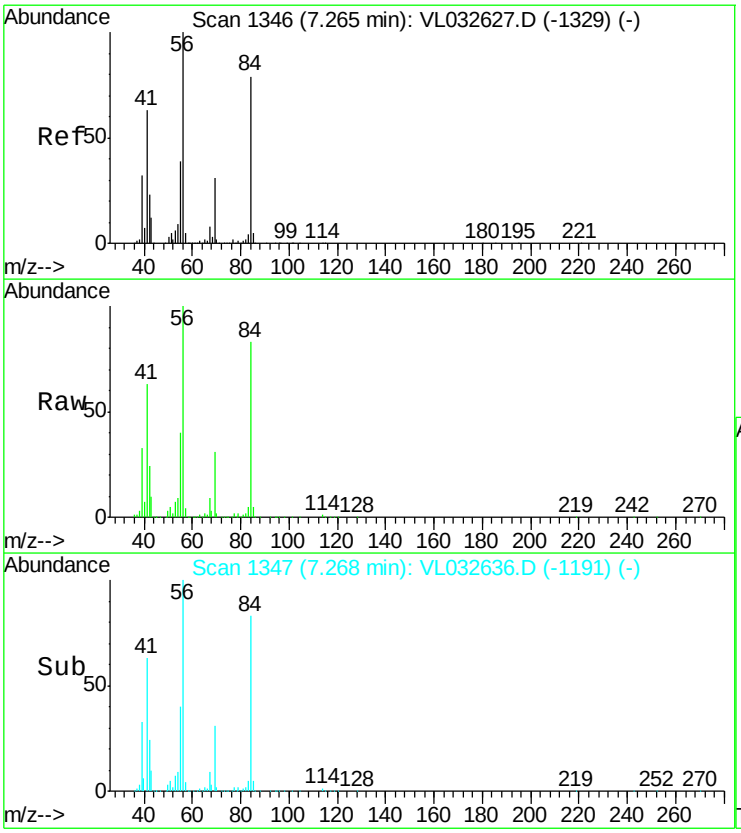
#29
Chloroform
Concen: 10.271 ppbv
RT: 5.87 min Scan# 911
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 83 Resp: 1953519

Ion	Ratio	Lower	Upper
83	100		
85	61.9	53.0	79.6

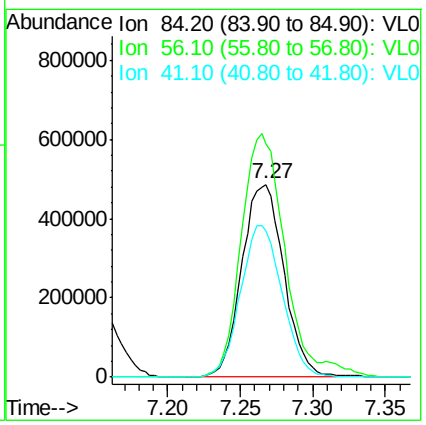


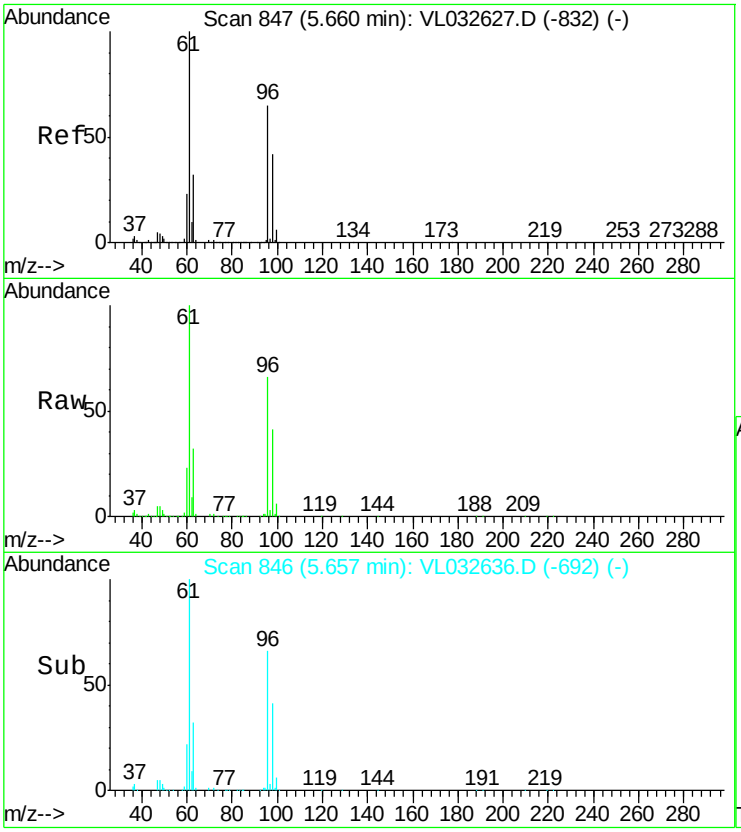


#30
Cyclohexane
Concen: 11.474 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 84 Resp: 981954

Ion	Ratio	Lower	Upper
84	100		
56	132.1	108.3	162.5
41	78.4	64.8	97.2



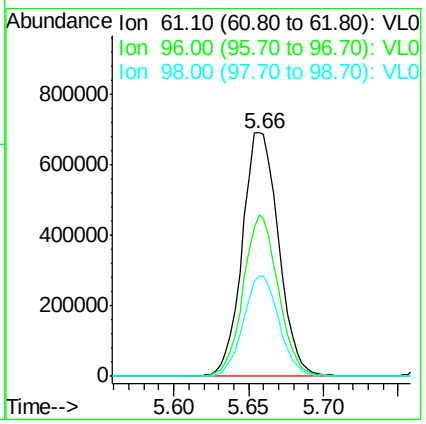


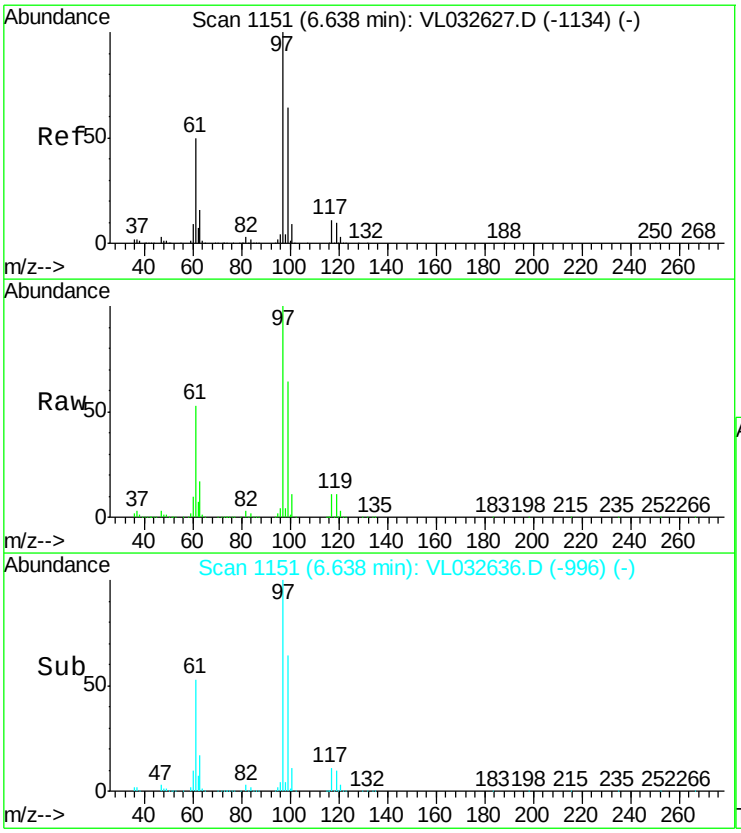
#31
cis-1,2-Dichloroethene
Concen: 11.217 ppbv
RT: 5.66 min Scan# 846
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 61 Resp: 1169398

Ion	Ratio	Lower	Upper
61	100		
96	66.2	51.8	77.6
98	41.1	33.8	50.6

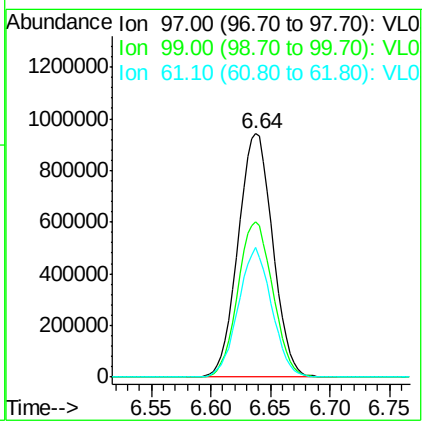


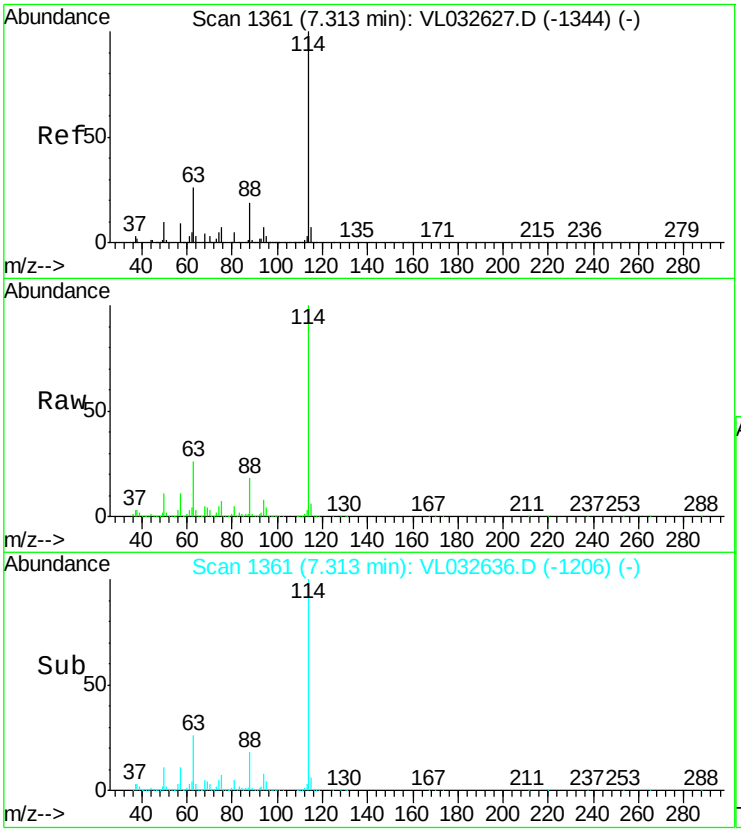


#32
1,1,1-Trichloroethane
Concen: 10.045 ppbv
RT: 6.64 min Scan# 1151
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 97 Resp: 1906159

Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	51.2	40.7	61.1



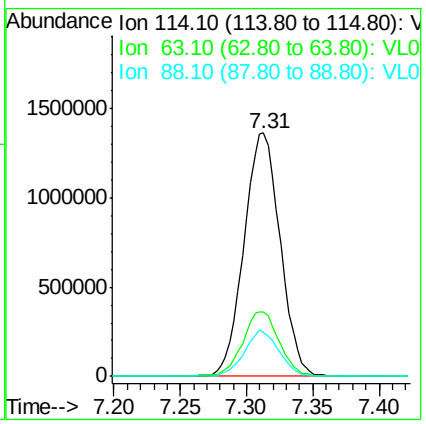


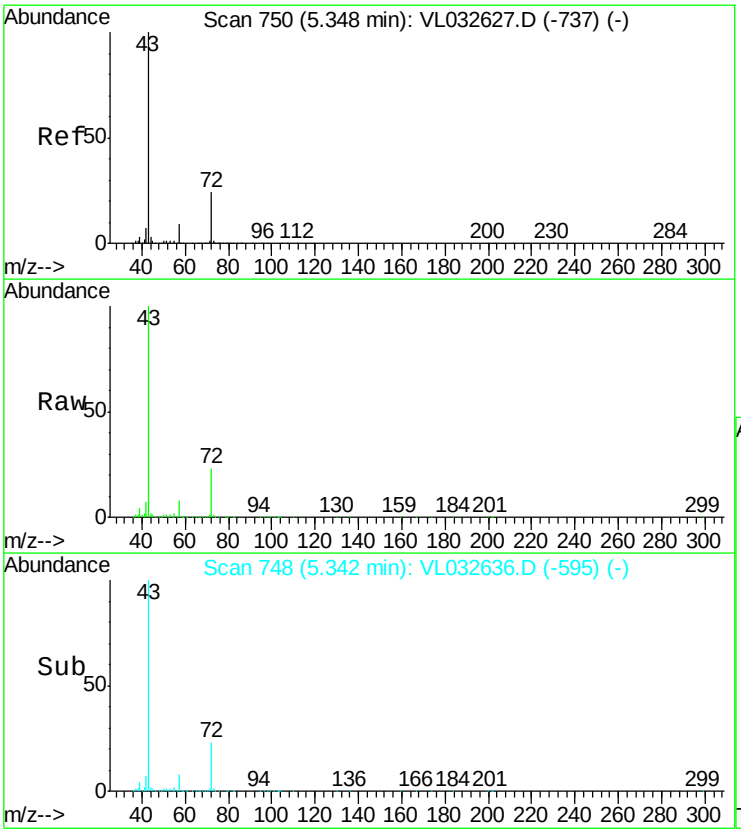
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion:114 Resp: 2574078

Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.7	32.5
88	18.1	14.9	22.3

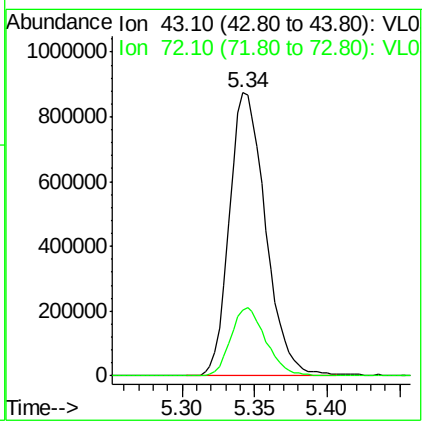


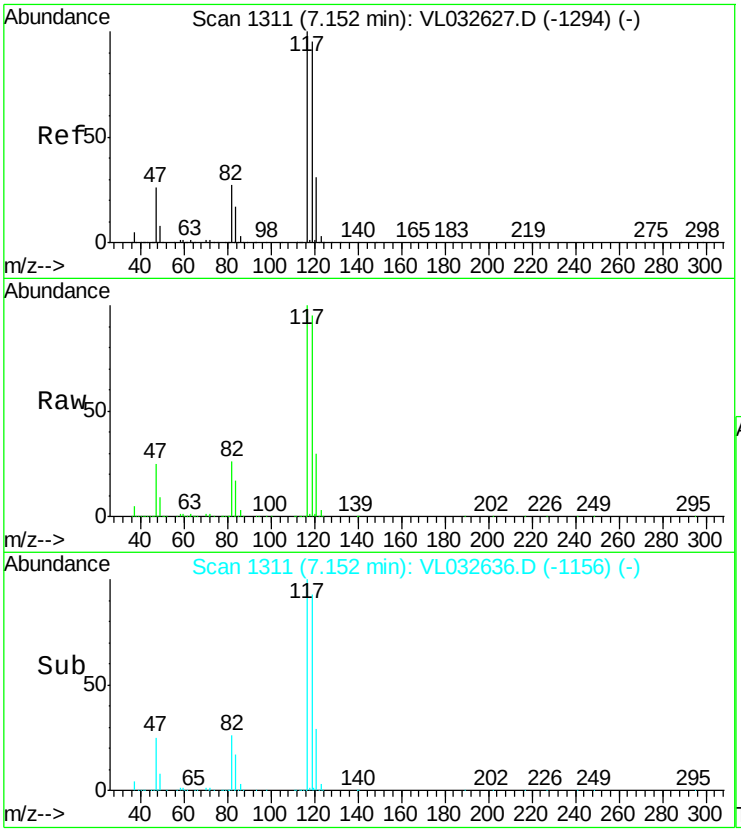


#34
2-Butanone
Concen: 10.589 ppbv
RT: 5.34 min Scan# 748
Delta R.T. -0.01 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 43 Resp: 1512828

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.6	27.8



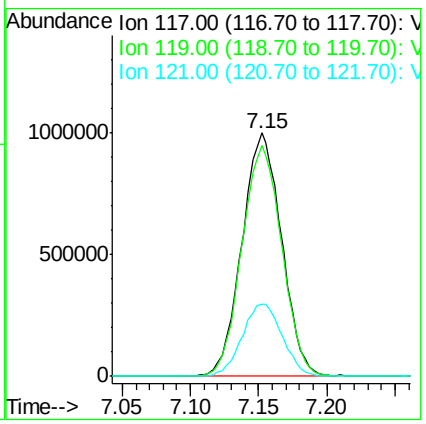


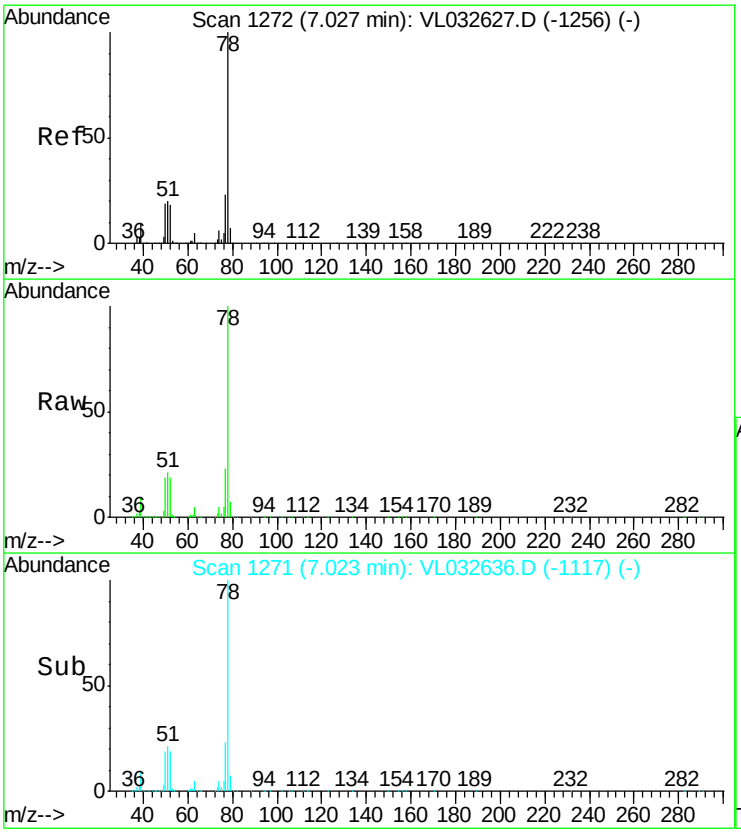
#35
Carbon Tetrachloride
Concen: 10.098 ppbv
RT: 7.15 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion:117 Resp: 2014379

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.7	113.5
121	29.8	24.7	37.1

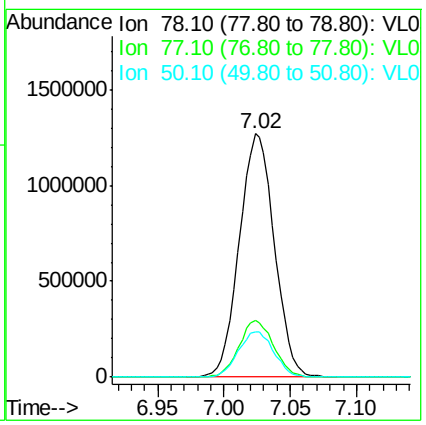


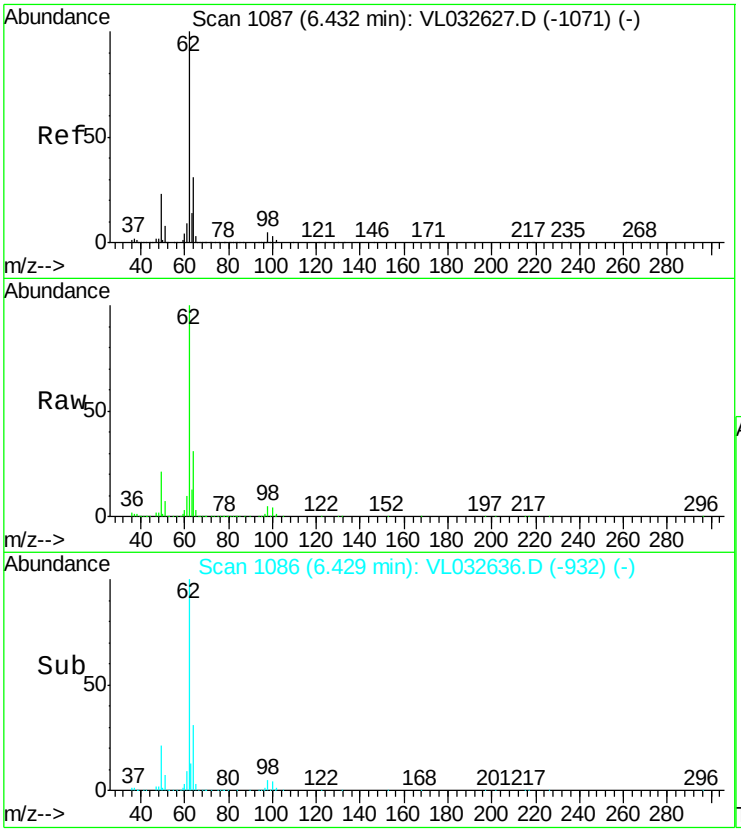


#36
Benzene
Concen: 11.188 ppbv
RT: 7.02 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 78 Resp: 2334288

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.1	27.1
50	18.6	15.1	22.7



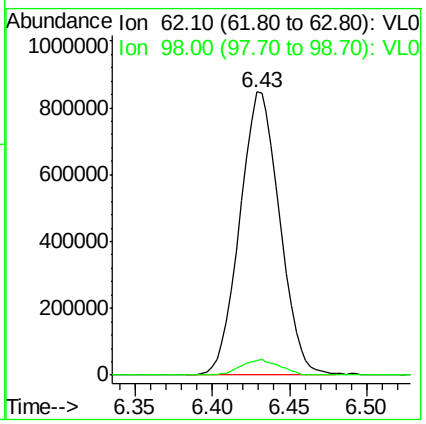


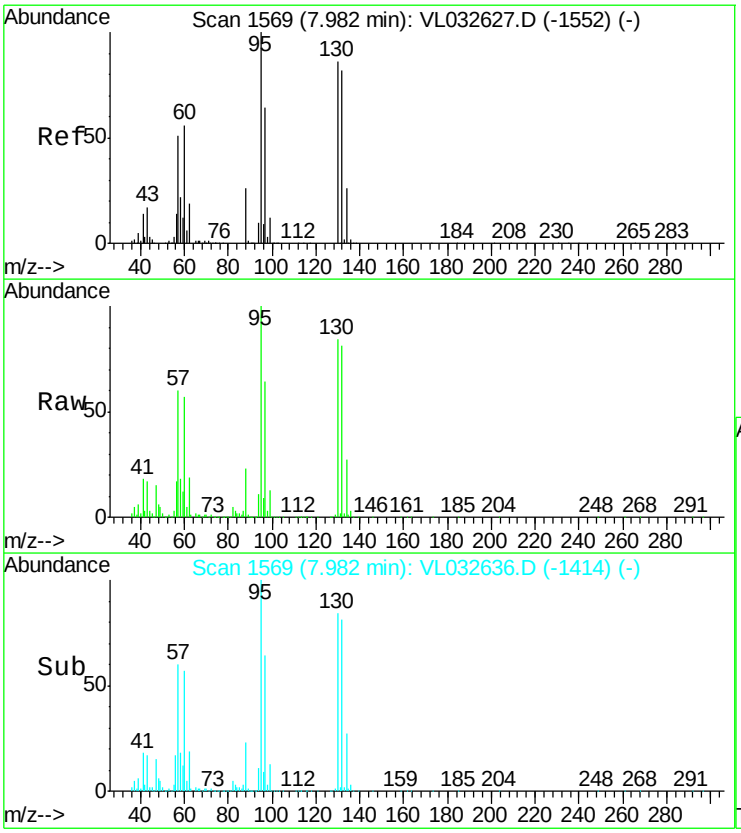
#37
1,2-Dichloroethane
Concen: 10.648 ppbv
RT: 6.43 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 62 Resp: 1523635

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.4	6.6

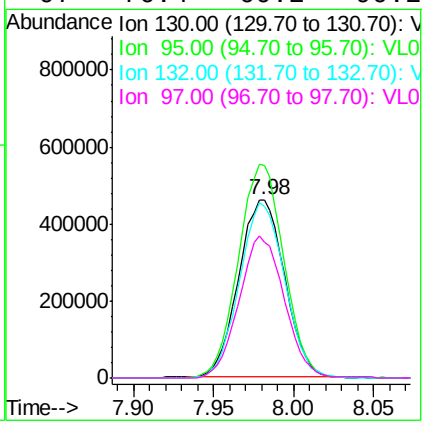


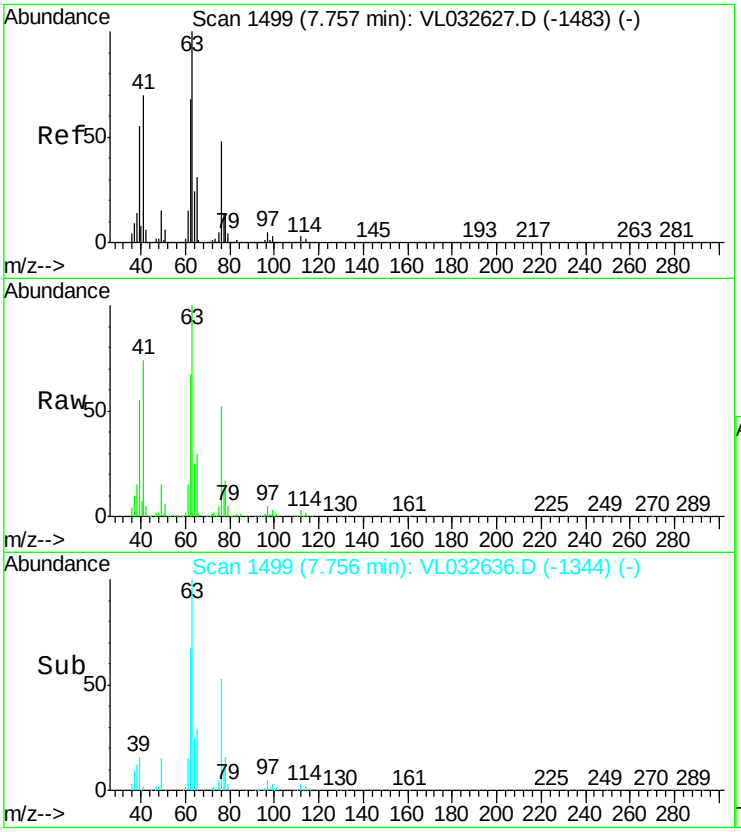


#38
Trichloroethene
Concen: 11.491 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:130 Resp: 901487

Ion	Ratio	Lower	Upper
130	100		
95	120.0	93.4	140.0
132	96.8	76.5	114.7
97	76.4	60.2	90.2



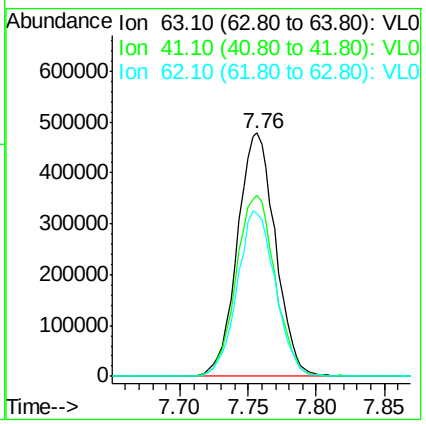


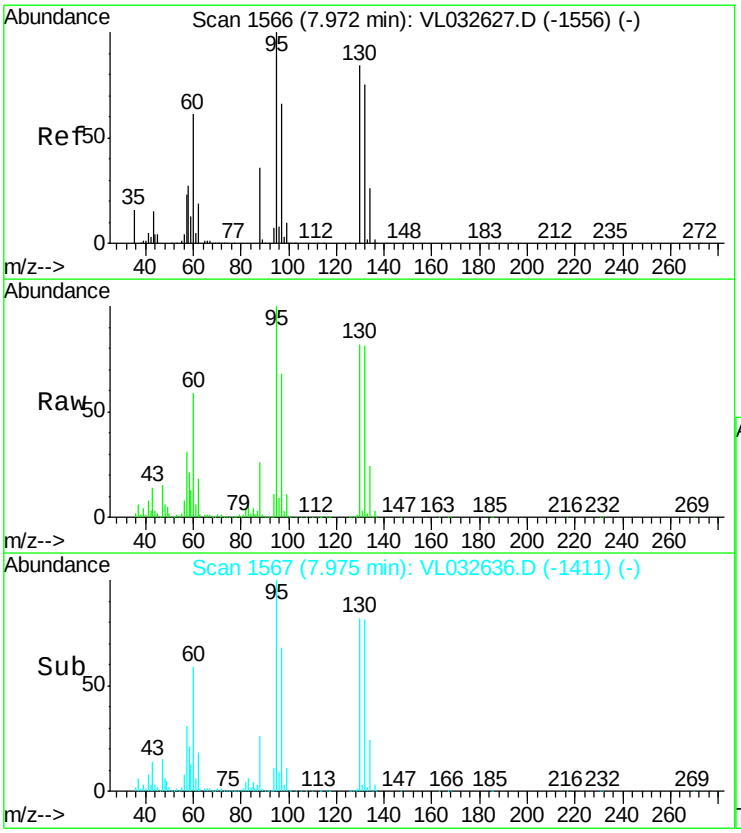
#39
1,2-Dichloropropane
Concen: 10.864 ppbv
RT: 7.76 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 63 Resp: 922078

Ion	Ratio	Lower	Upper
63	100		
41	74.1	56.2	84.4
62	67.0	54.4	81.6

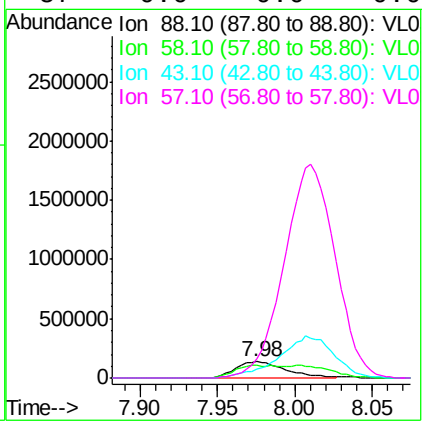


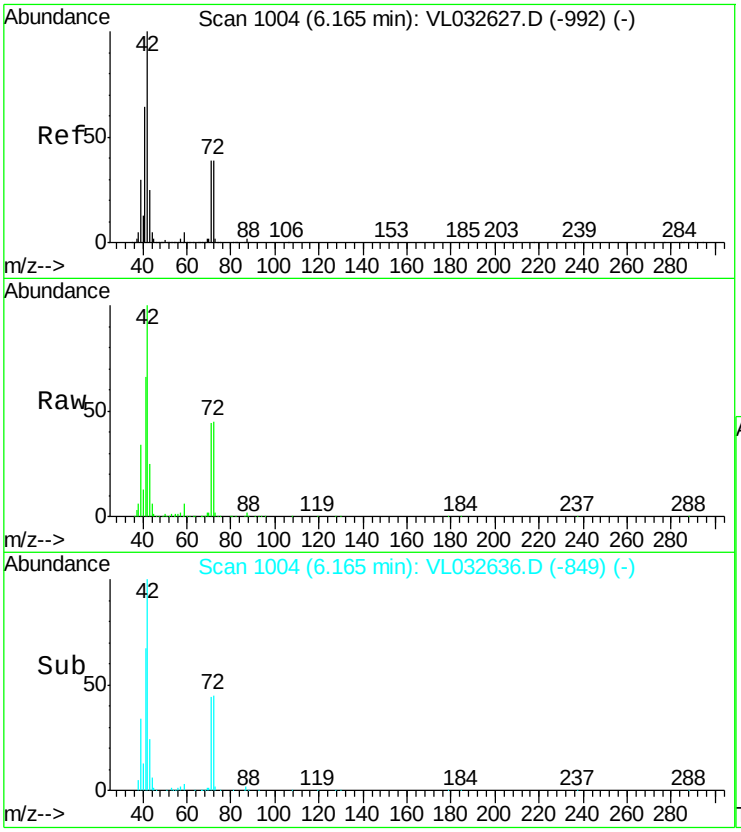


#40
1,4-Dioxane
Concen: 10.422 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 88 Resp: 305610

Ion	Ratio	Lower	Upper
88	100		
58	0.0	104.0	156.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



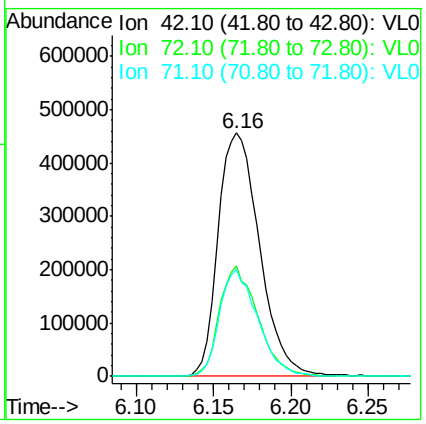


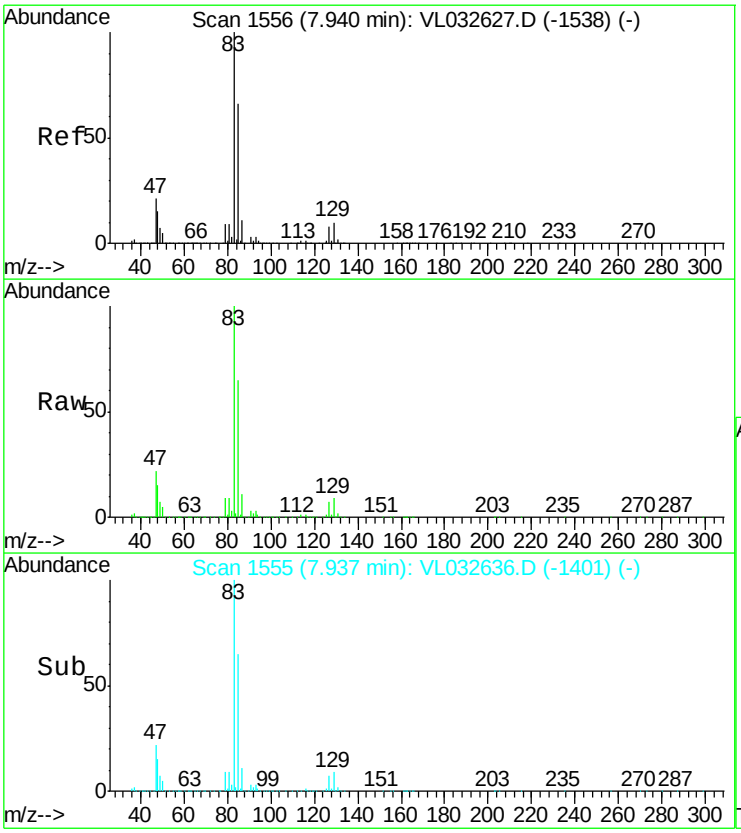
#41
Tetrahydrofuran
Concen: 11.128 ppbv
RT: 6.16 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 42 Resp: 843499

Ion	Ratio	Lower	Upper
42	100		
72	42.5	32.4	48.6
71	40.7	31.3	46.9

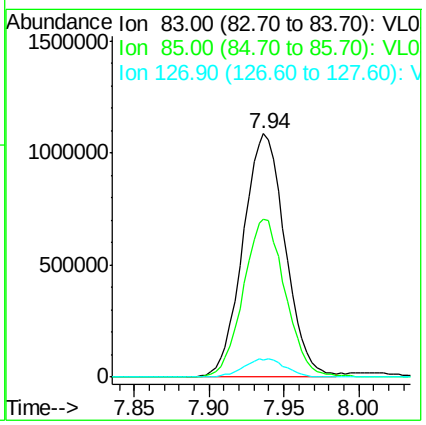


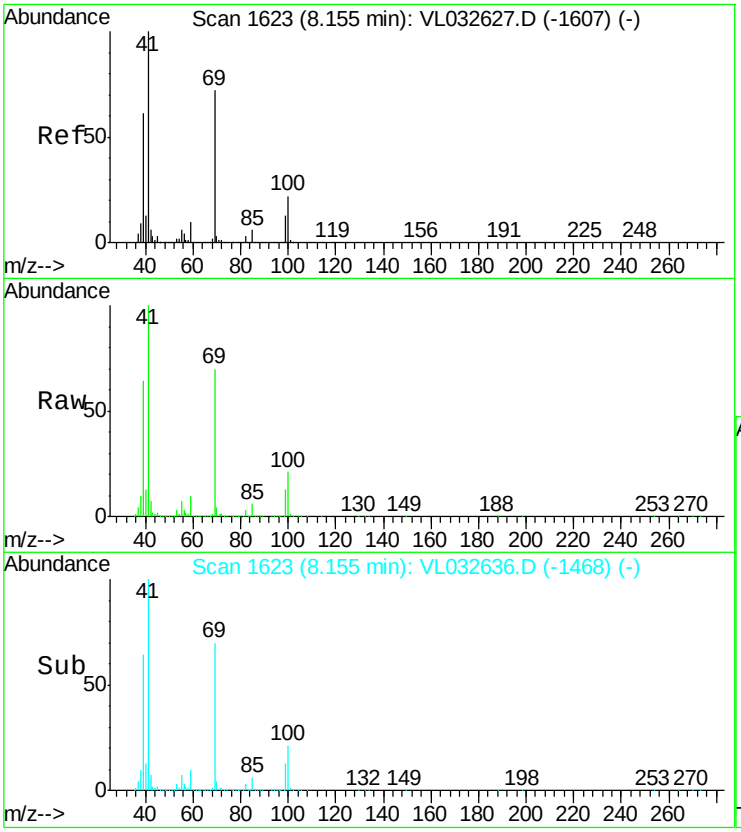


#42
Bromodichloromethane
Concen: 10.963 ppbv
RT: 7.94 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 83 Resp: 2138404

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.4	78.6
127	6.9	6.1	9.1



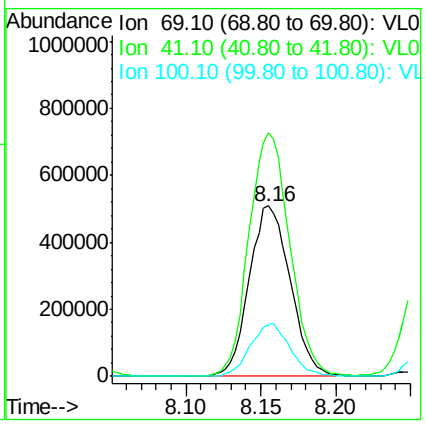


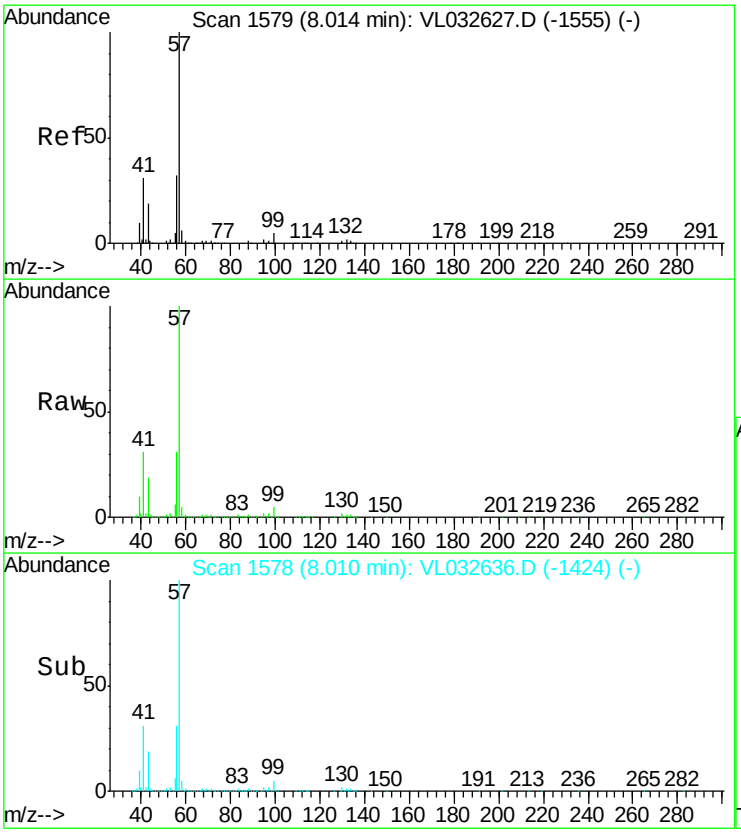
#43
Methyl Methacrylate
Concen: 11.990 ppbv
RT: 8.16 min Scan# 1623
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 69 Resp: 969996

Ion	Ratio	Lower	Upper
69	100		
41	142.3	113.2	169.8
100	30.1	24.4	36.6

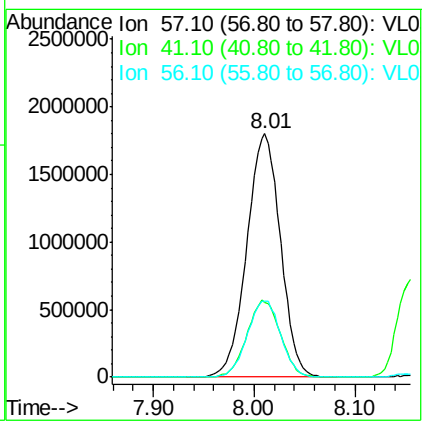


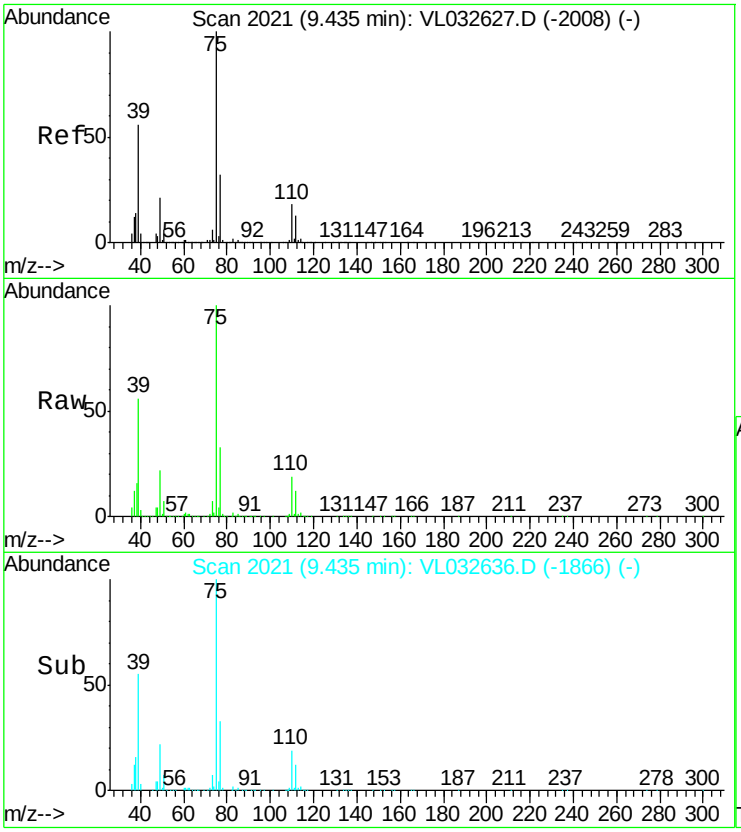


#44
2,2,4-Trimethylpentane
Concen: 11.222 ppbv
RT: 8.01 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 57 Resp: 4150849

Ion	Ratio	Lower	Upper
57	100		
41	31.4	24.7	37.1
56	31.1	25.0	37.4



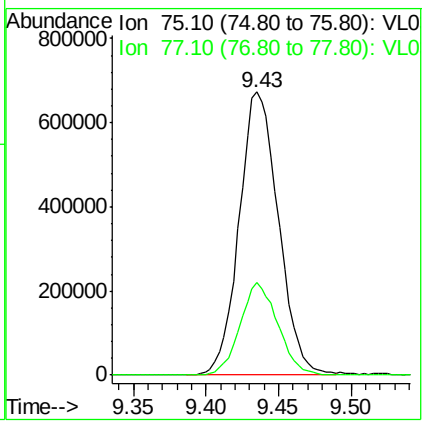


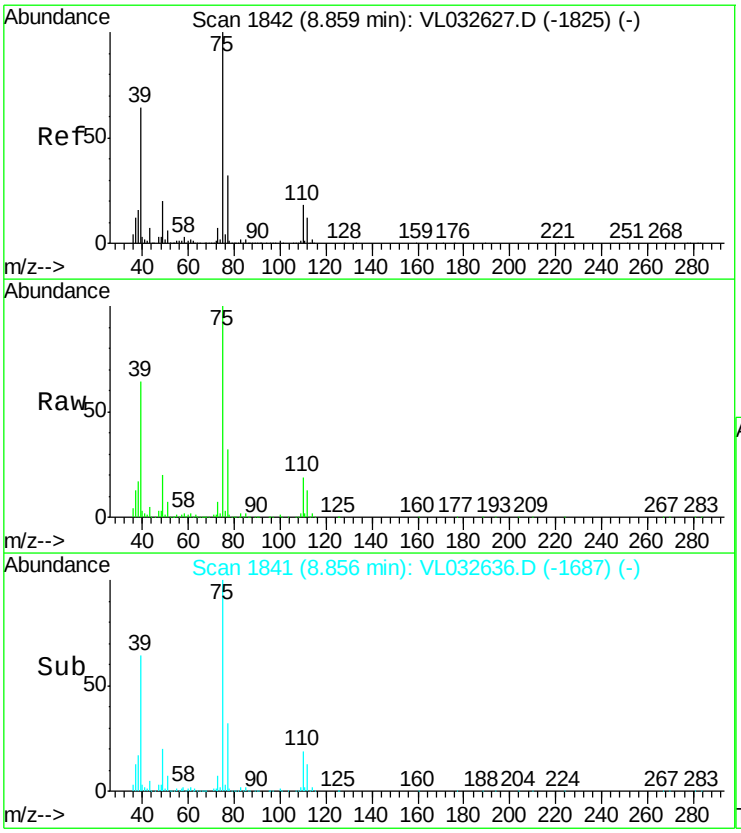
#45
t-1,3-Dichloropropene
Concen: 11.966 ppbv
RT: 9.43 min Scan# 2021
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 75 Resp: 1265770

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.3	37.9

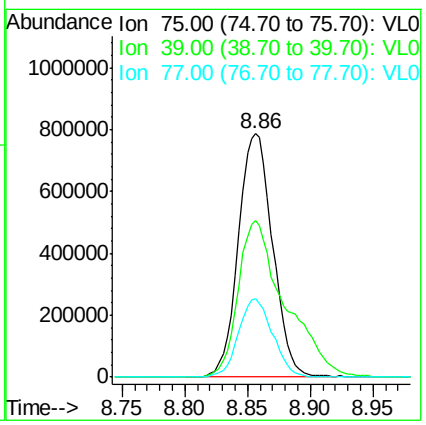


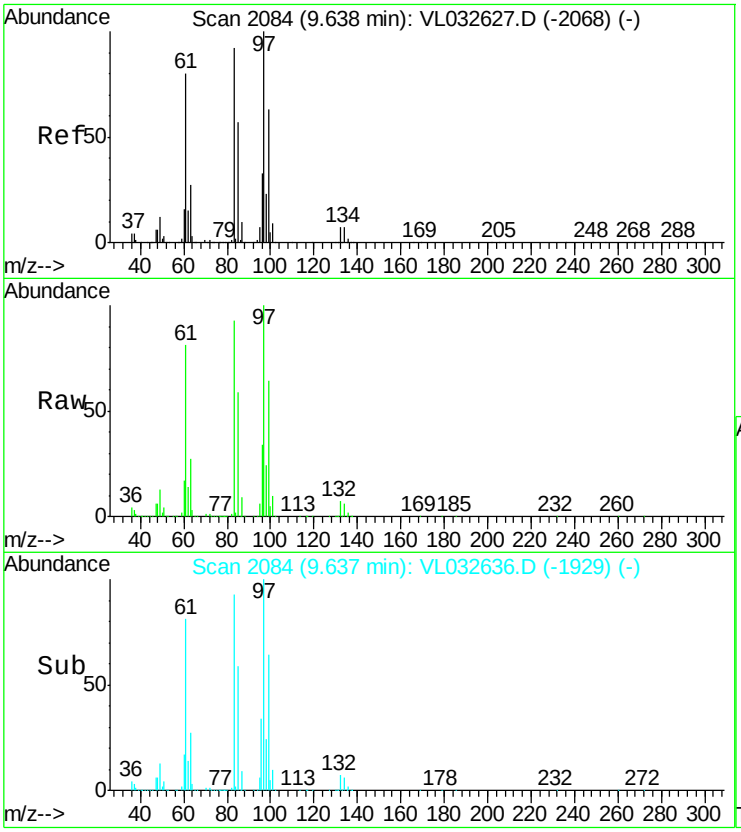


#46
cis-1,3-Dichloropropene
Concen: 12.446 ppbv
RT: 8.86 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 75 Resp: 1498772

Ion	Ratio	Lower	Upper
75	100		
39	64.3	50.9	76.3
77	32.1	25.8	38.6



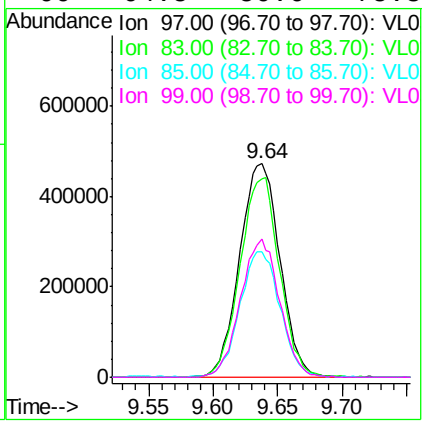


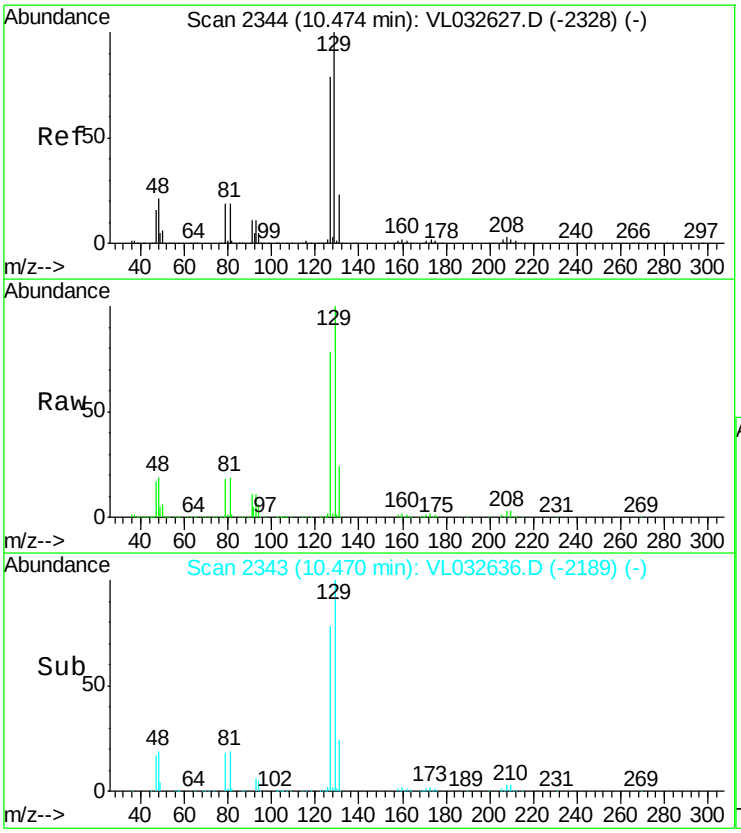
#47
1,1,2-Trichloroethane
Concen: 10.166 ppbv
RT: 9.64 min Scan# 2084
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 97 Resp: 1031162

Ion	Ratio	Lower	Upper
97	100		
83	93.2	73.5	110.3
85	58.5	45.8	68.6
99	64.5	50.6	75.8

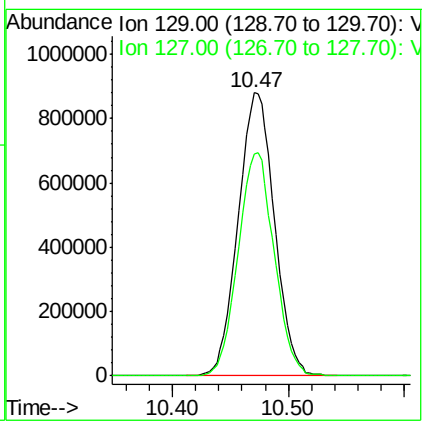


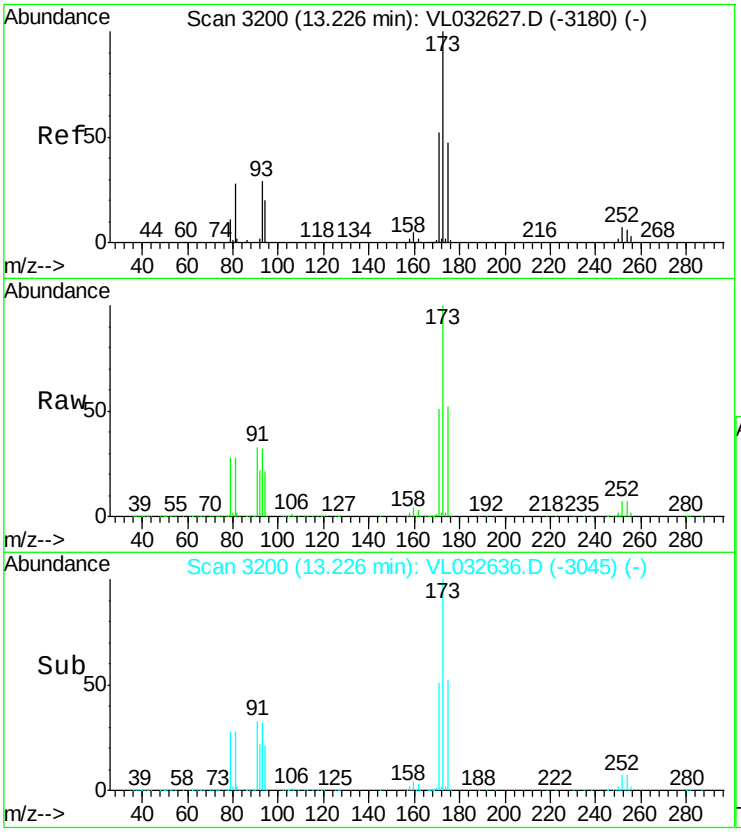


#48
Dibromochloromethane
Concen: 11.127 ppbv
RT: 10.47 min Scan# 2343
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:129 Resp: 1916828

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.5



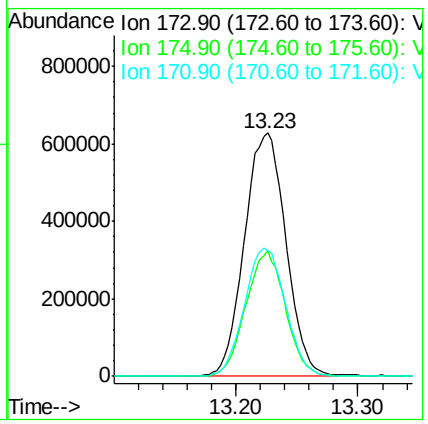


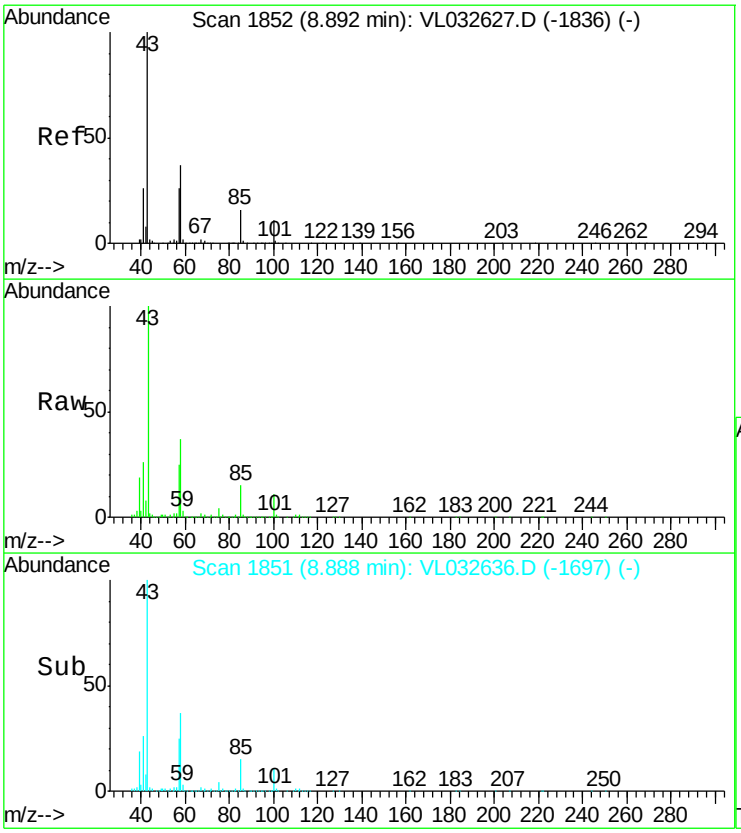
#49
Bromoform
Concen: 11.331 ppbv
RT: 13.23 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:173 Resp: 1474965

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.0	58.4
171	52.5	42.2	63.2

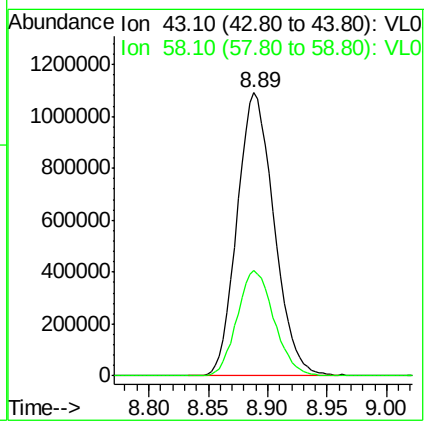


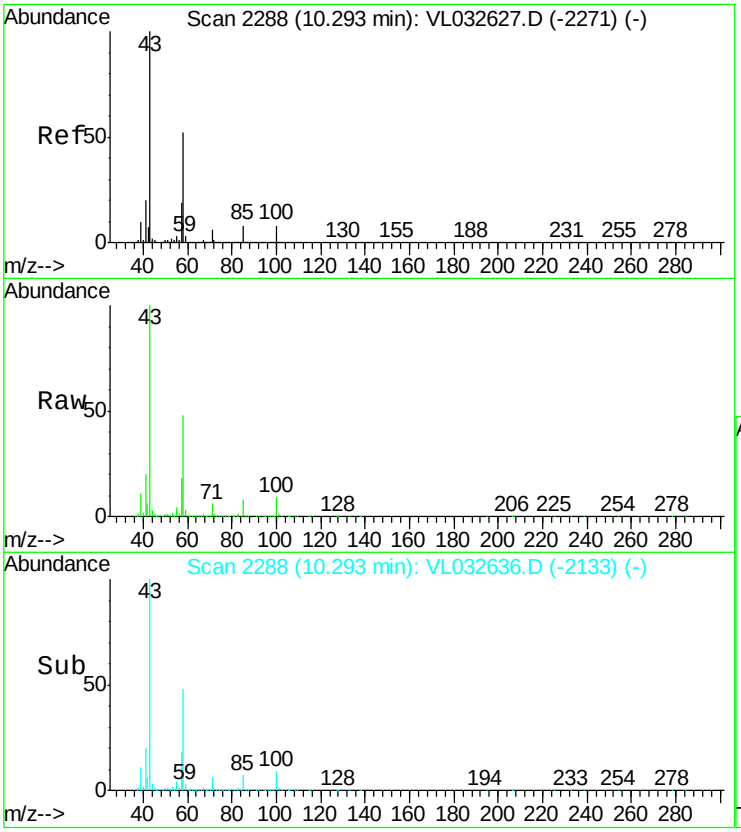


#50
4-Methyl-2-Pentanone
Concen: 11.173 ppbv
RT: 8.89 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 43 Resp: 2349452

Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.7	44.5



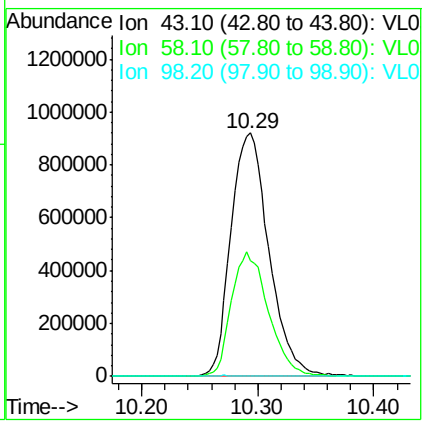


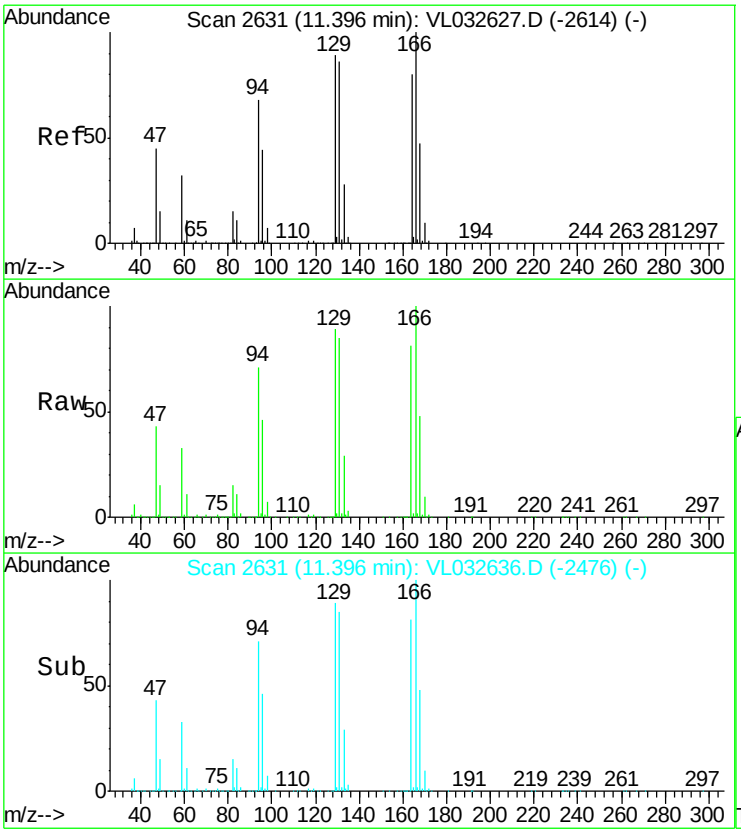
#51
2-Hexanone
Concen: 12.686 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 43 Resp: 2097637

Ion	Ratio	Lower	Upper
43	100		
58	49.8	40.4	60.6
98	0.6	0.4	0.6#

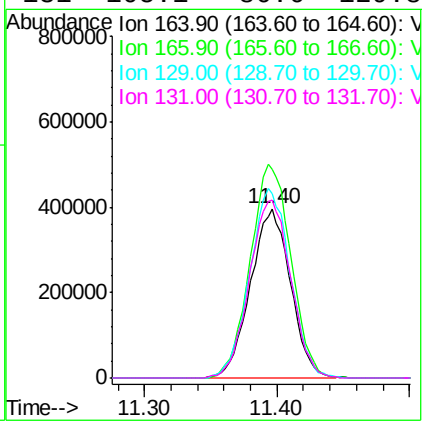


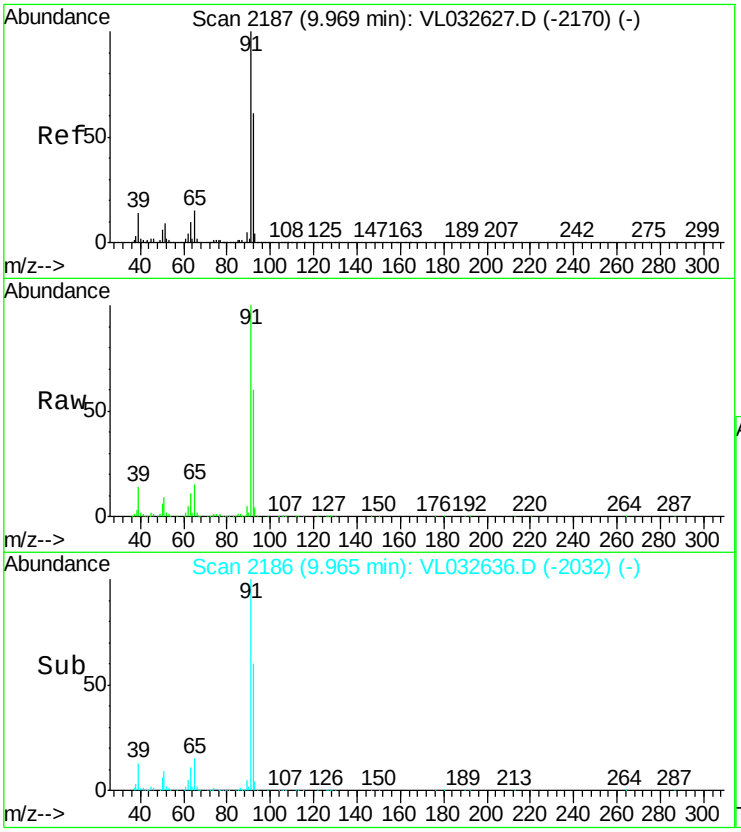


#52
Tetrachloroethene
Concen: 12.061 ppbv
RT: 11.40 min Scan# 2631
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:164 Resp: 828451

Ion	Ratio	Lower	Upper
164	100		
166	123.6	100.5	150.7
129	109.5	90.0	135.0
131	105.1	86.6	129.8



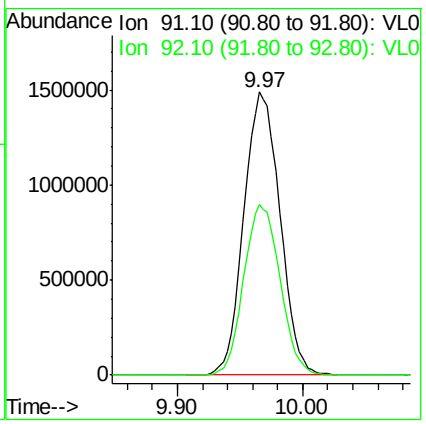


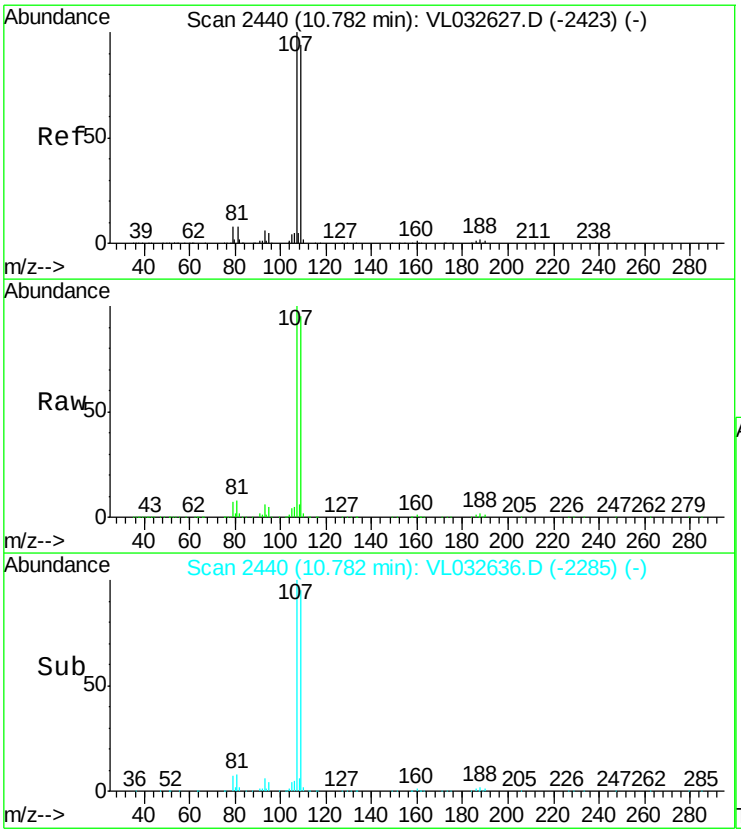
#53
Toluene
Concen: 12.552 ppbv
RT: 9.97 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 91 Resp: 2985653

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.4	72.6

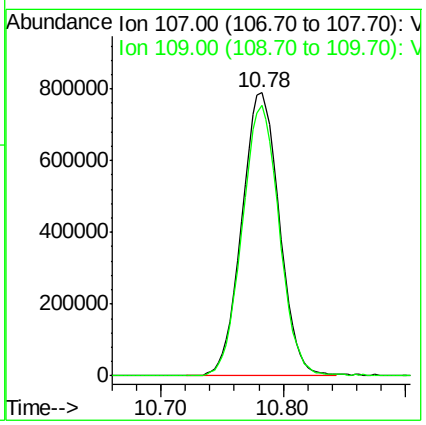


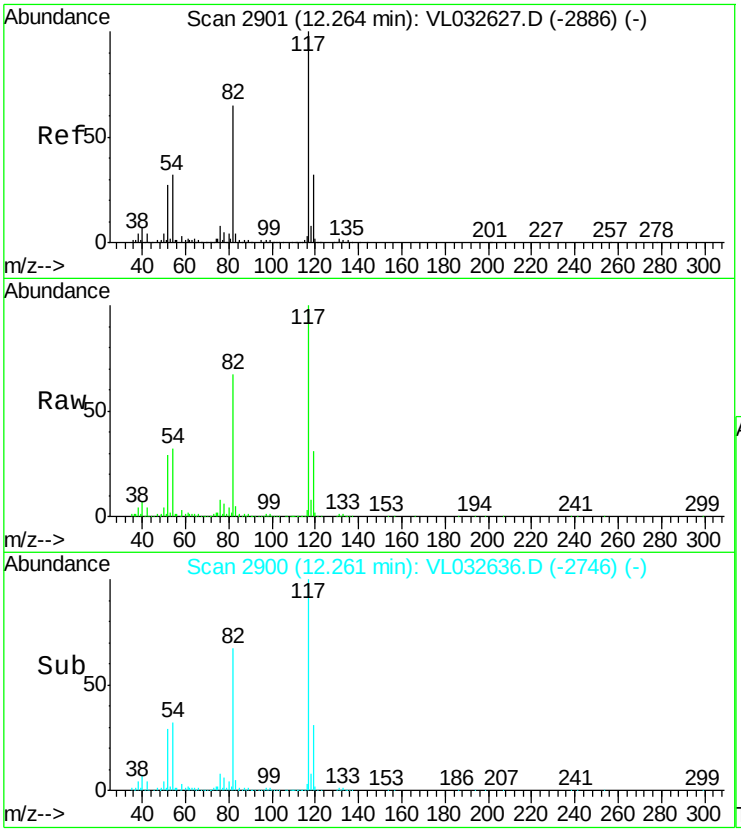


#54
1,2-Dibromoethane
Concen: 11.519 ppbv
RT: 10.78 min Scan# 2440
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:107 Resp: 1672986

Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.3	112.9



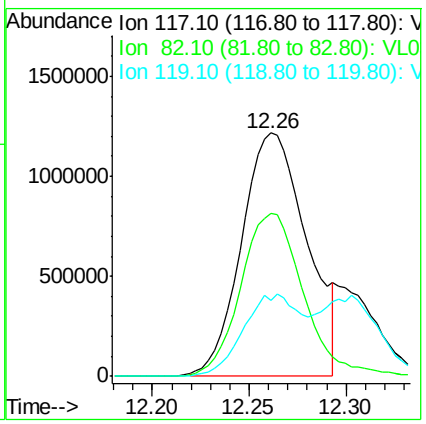


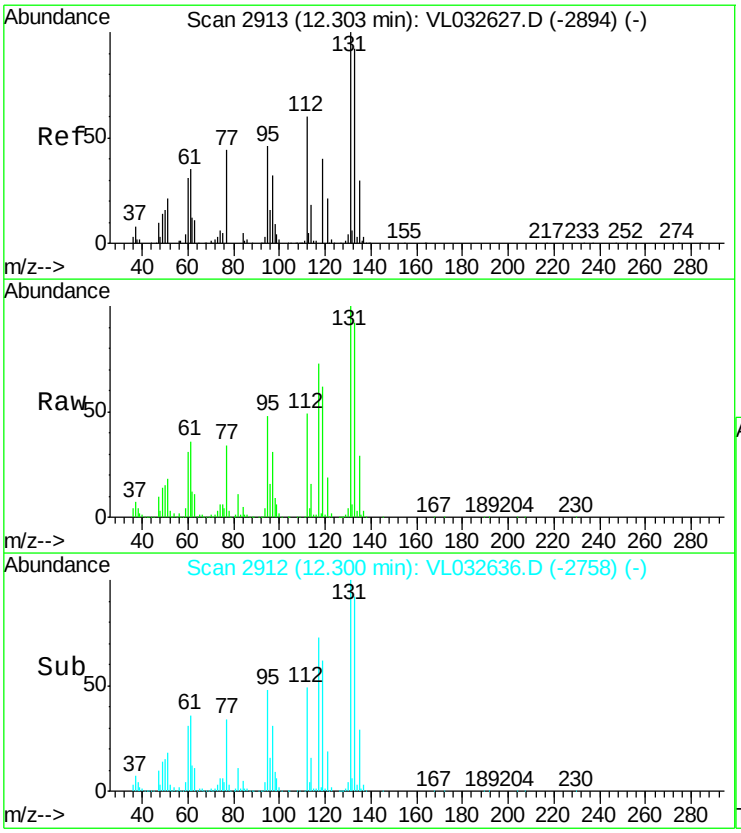
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.26 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:117 Resp: 2867236

Ion	Ratio	Lower	Upper
117	100		
82	64.5	52.7	79.1
119	31.8	26.7	40.1

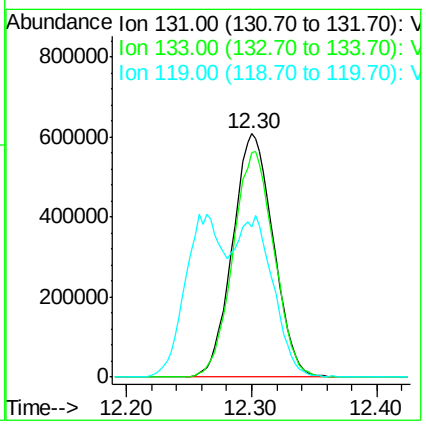


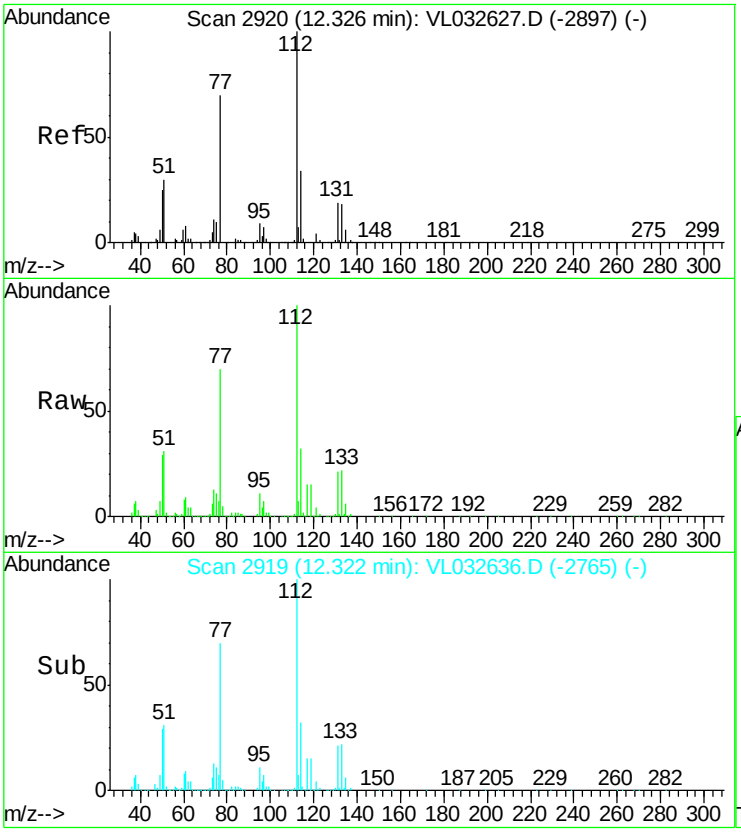


#56
1,1,1,2-Tetrachloroethane
Concen: 10.391 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:131 Resp: 1368079

Ion	Ratio	Lower	Upper
131	100		
133	94.3	75.4	113.2
119	58.5	49.1	73.7



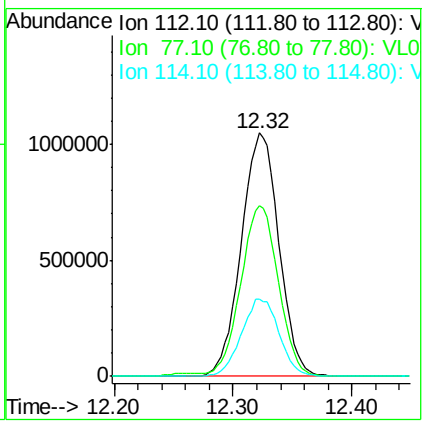


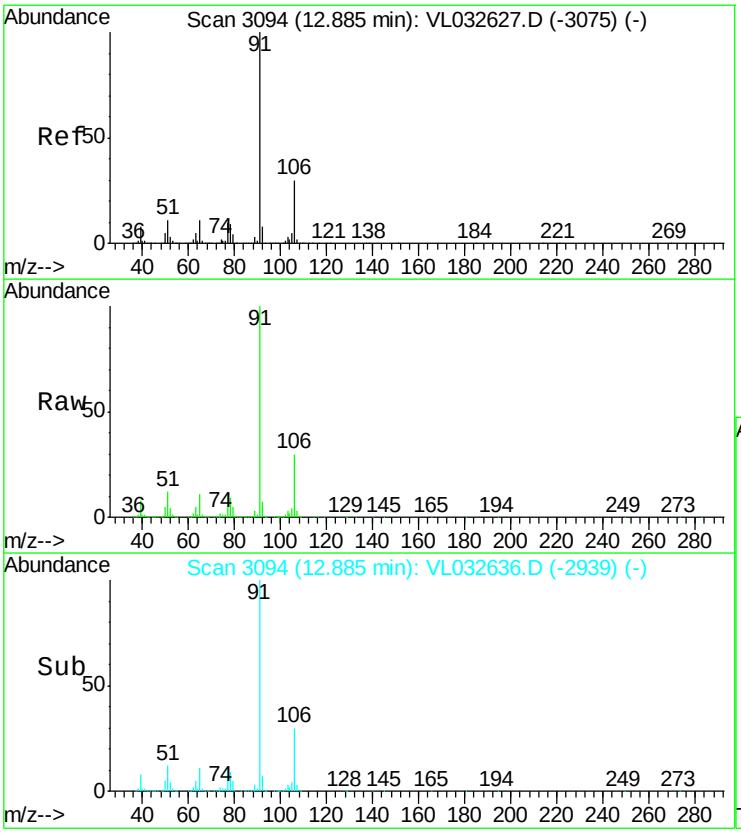
#57
Chlorobenzene
Concen: 10.515 ppbv
RT: 12.32 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:112 Resp: 2292787

Ion	Ratio	Lower	Upper
112	100		
77	69.8	56.8	85.2
114	31.8	30.3	37.1

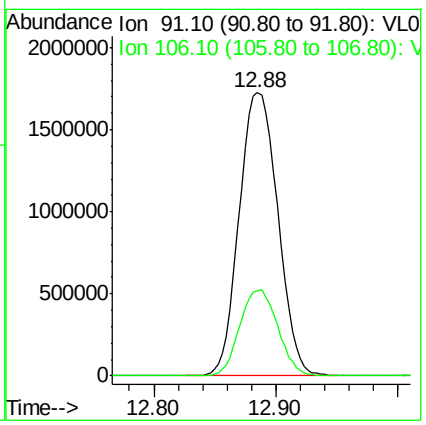


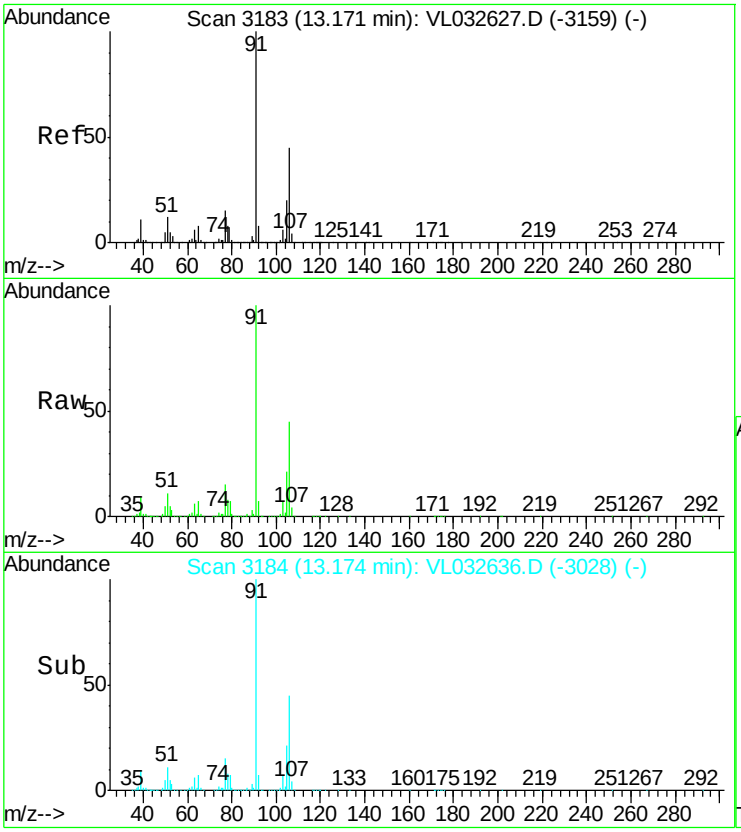


#58
Ethyl Benzene
Concen: 11.724 ppbv
RT: 12.88 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 91 Resp: 3775196

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.2	36.2



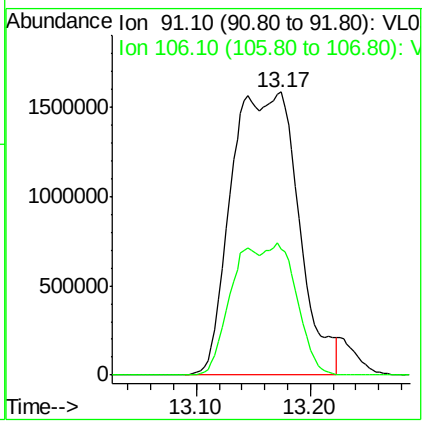


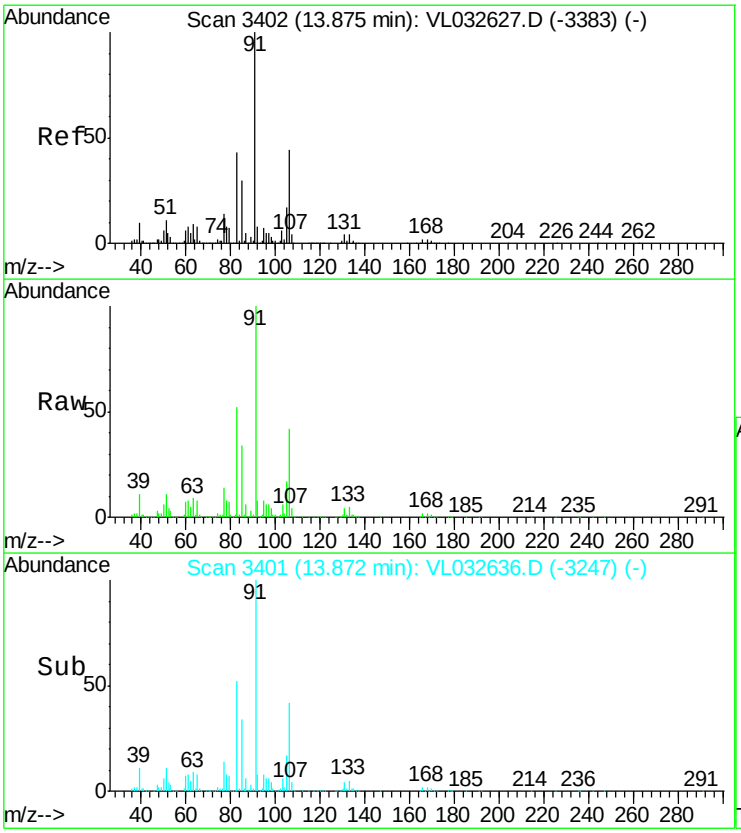
#59
m/p-Xylene
Concen: 22.478 ppbv m
RT: 13.17 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 91 Resp: 6461128

Ion	Ratio	Lower	Upper
91	100		
106	43.8	35.9	53.9

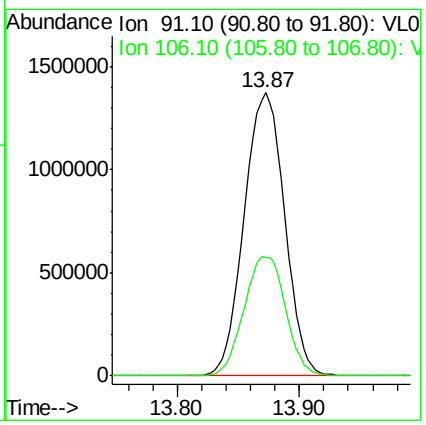


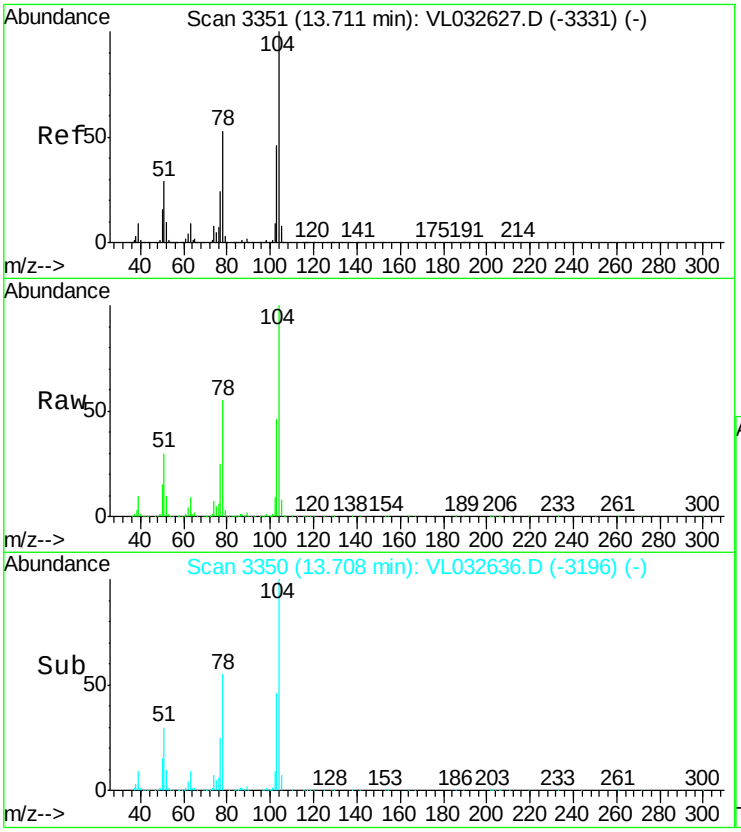


#60
o-Xylene
Concen: 11.001 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 91 Resp: 3151014

Ion	Ratio	Lower	Upper
91	100		
106	43.2	22.1	66.1



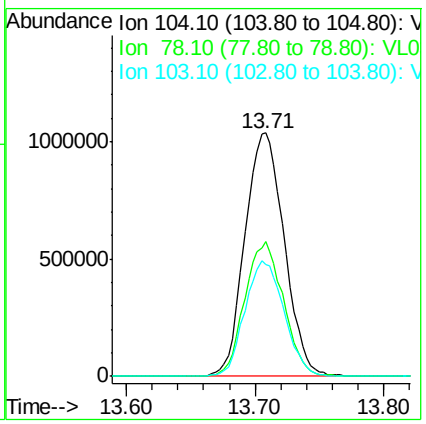


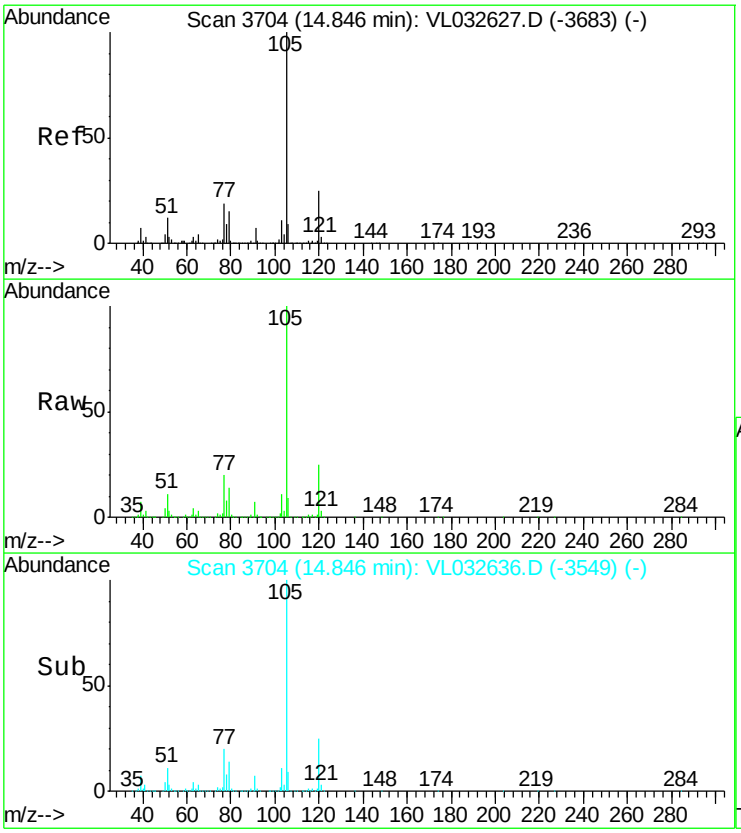
#61
Styrene
Concen: 12.682 ppbv
RT: 13.71 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:104 Resp: 2201393

Ion	Ratio	Lower	Upper
104	100		
78	54.7	42.8	64.2
103	47.4	37.4	56.0

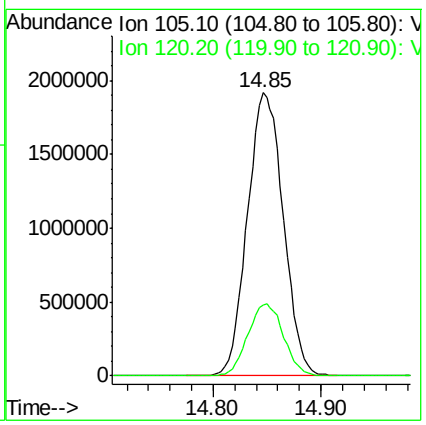


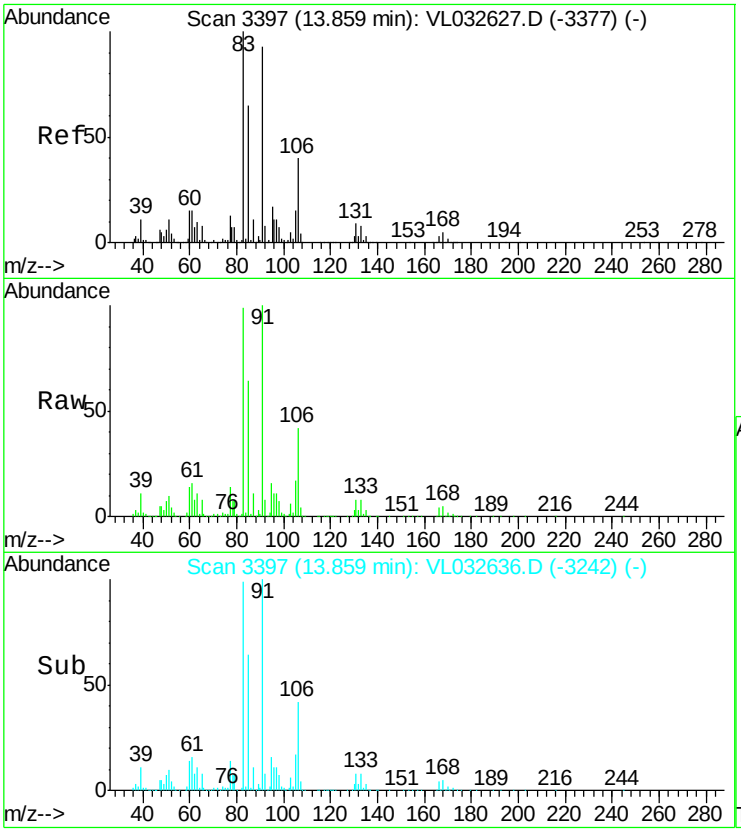


#62
Isopropylbenzene
Concen: 10.844 ppbv
RT: 14.85 min Scan# 3704
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:105 Resp: 4424699

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.5	30.7



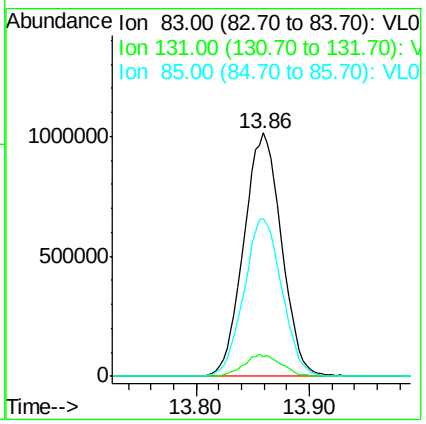


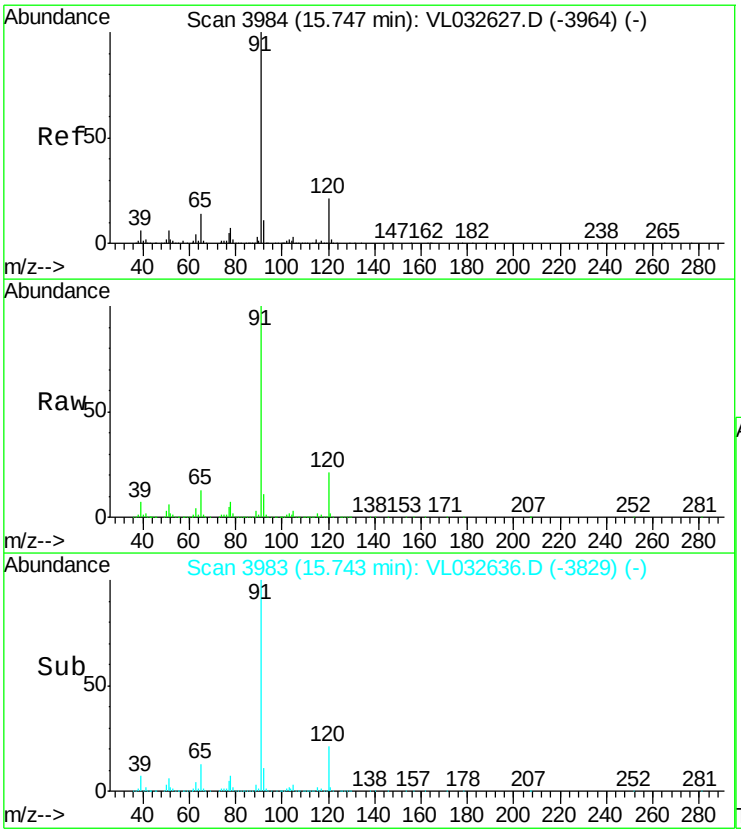
#63
1,1,2,2-Tetrachloroethane
Concen: 9.329 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 83 Resp: 2358095

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.3	12.9
85	65.0	32.3	96.9

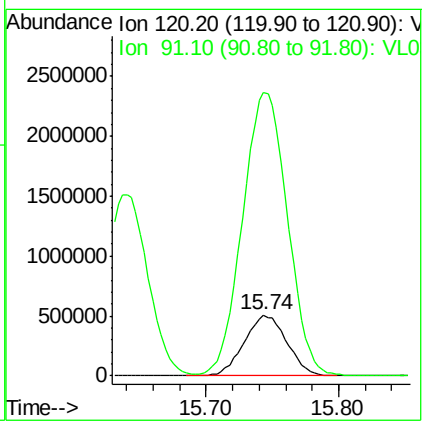


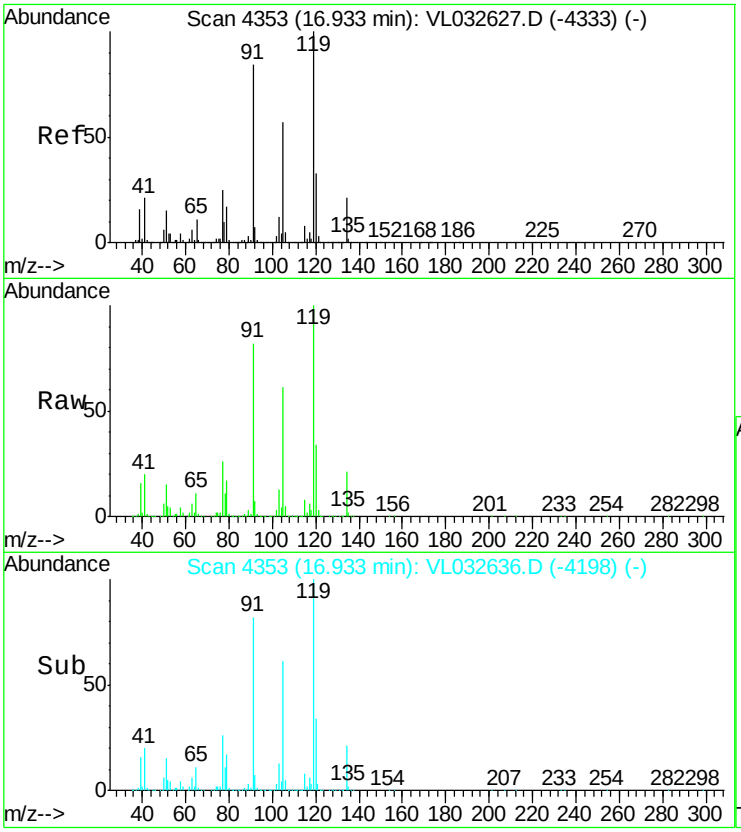


#64
n-propylbenzene
Concen: 10.994 ppbv
RT: 15.74 min Scan# 3983
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:120 Resp: 1136783

Ion	Ratio	Lower	Upper
120	100		
91	490.6	390.2	585.2



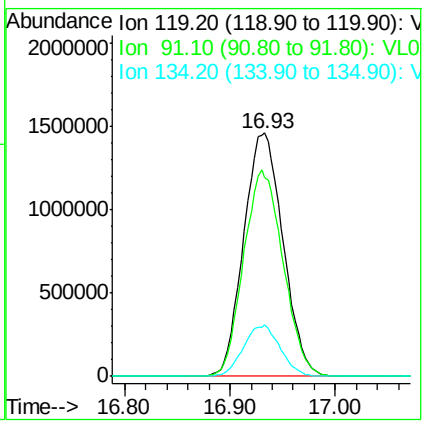


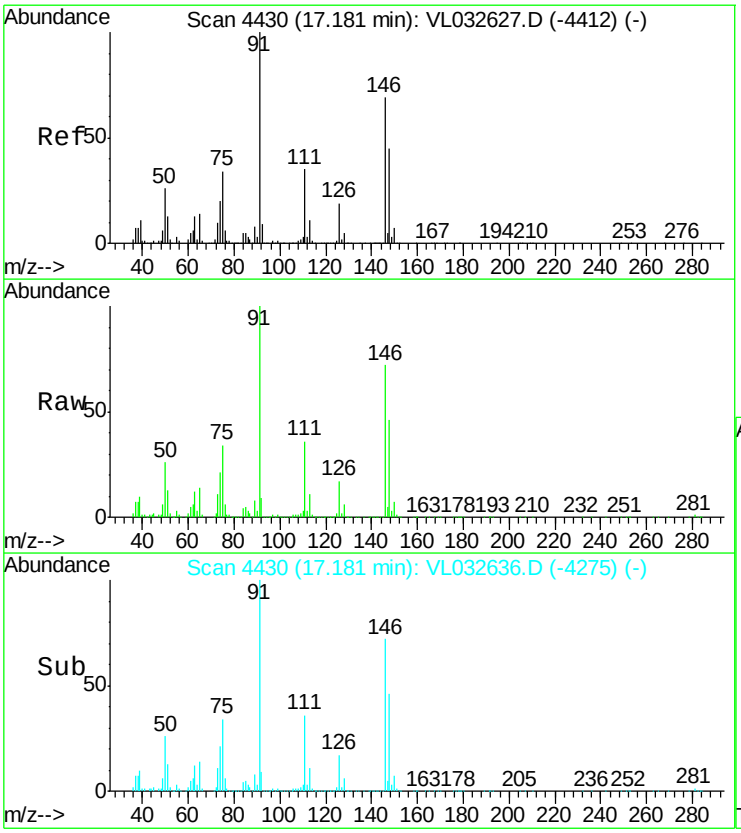
#65
tert-Butylbenzene
Concen: 10.936 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:119 Resp: 3786238

Ion	Ratio	Lower	Upper
119	100		
91	85.2	67.8	101.8
134	19.7	15.8	23.8

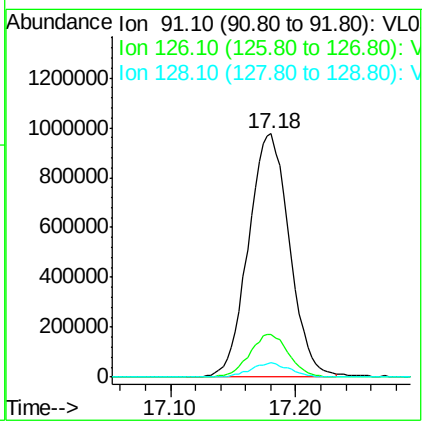


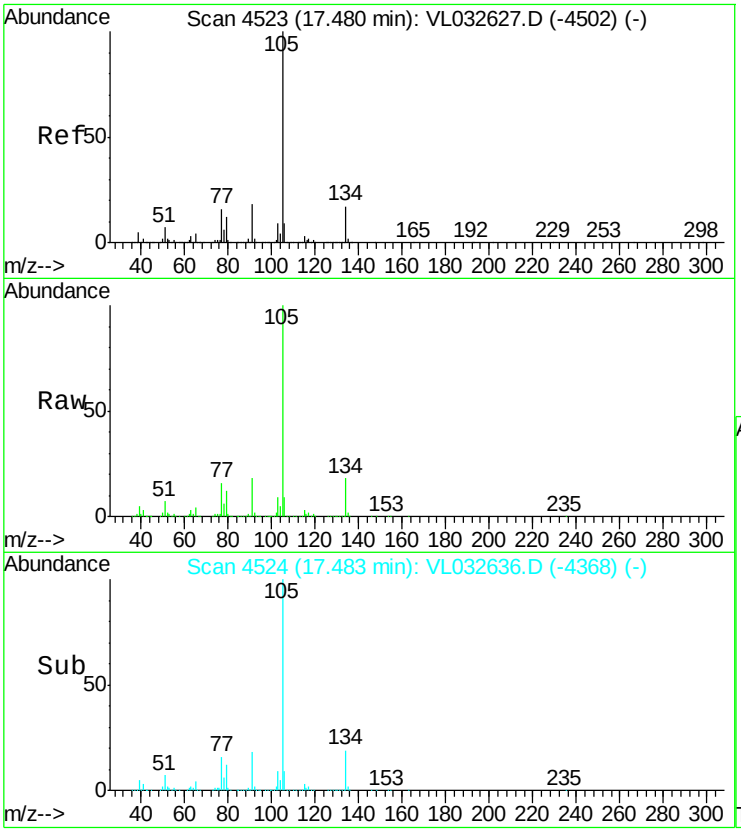


#66
Benzyl Chloride
Concen: 11.342 ppbv
RT: 17.18 min Scan# 4430
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 91 Resp: 2214040

Ion	Ratio	Lower	Upper
91	100		
126	17.0	13.9	20.9
128	5.5	4.3	6.5



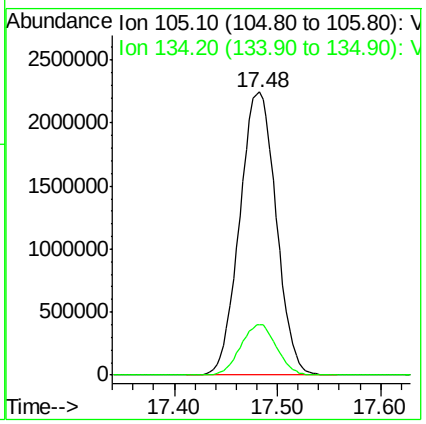


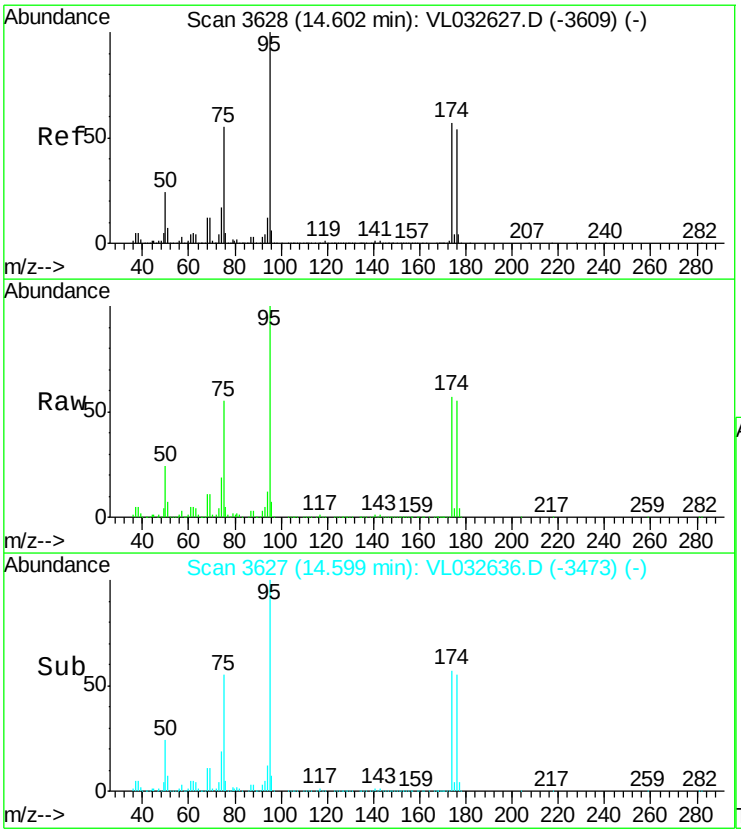
#67
sec-Butylbenzene
Concen: 10.586 ppbv
RT: 17.48 min Scan# 4524
Delta R.T. 0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:105 Resp: 5516319

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.2	21.2

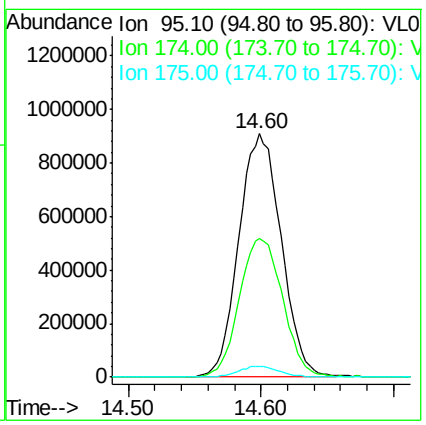


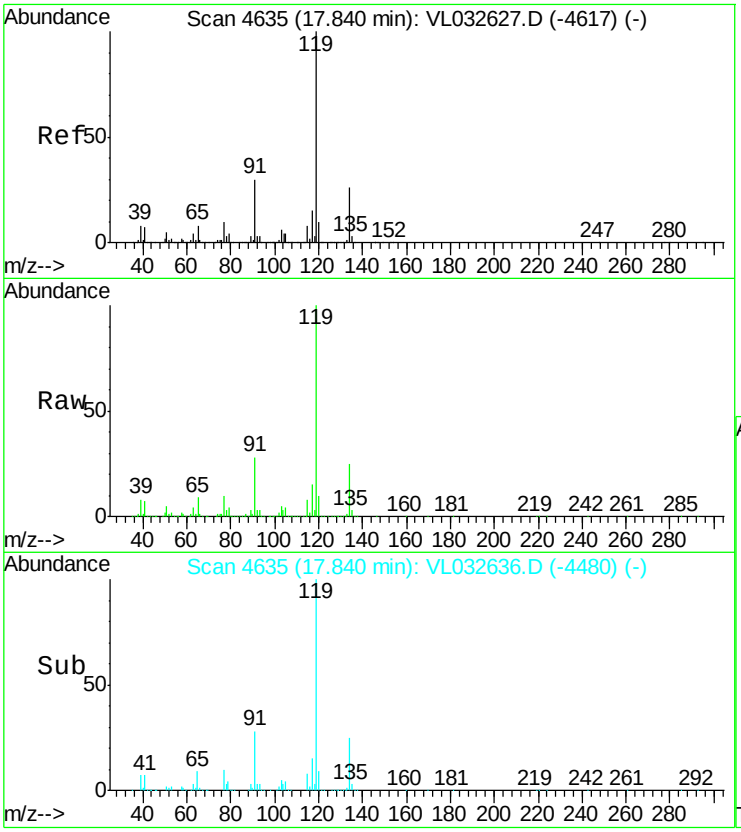


#68
1-Bromo-4-Fluorobenzene
Concen: 9.345 ppbv
RT: 14.60 min Scan# 3627
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 95 Resp: 2017570

Ion	Ratio	Lower	Upper
95	100		
174	58.6	46.0	69.0
175	4.3	3.4	5.0



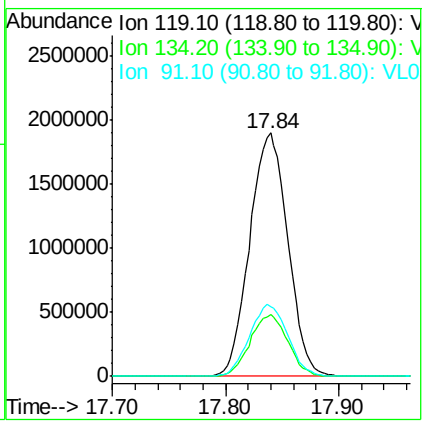


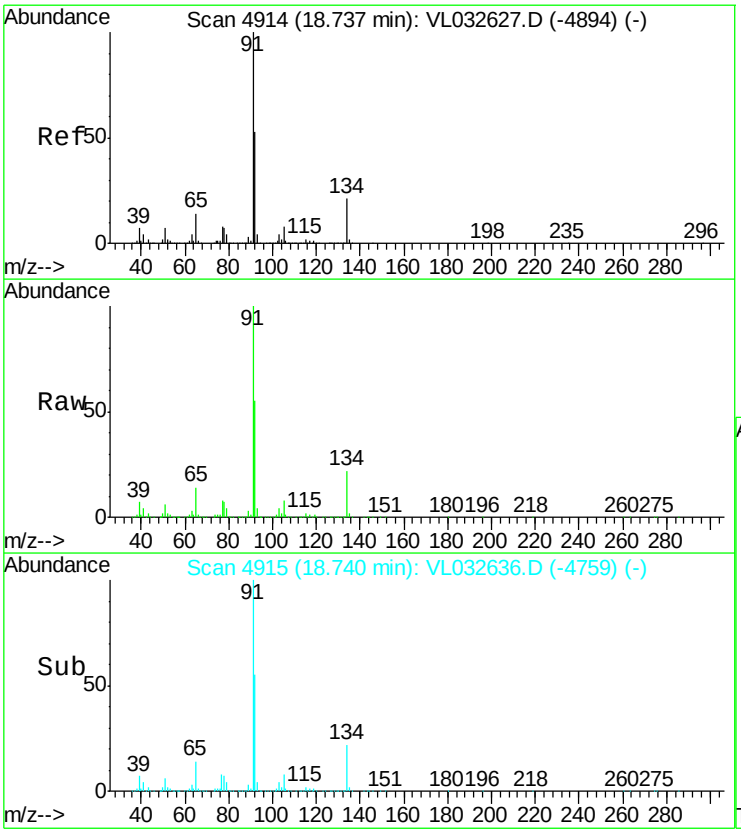
#69
p-Isopropyltoluene
Concen: 11.250 ppbv
RT: 17.84 min Scan# 4635
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:119 Resp: 4437233

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	29.7	24.0	36.0

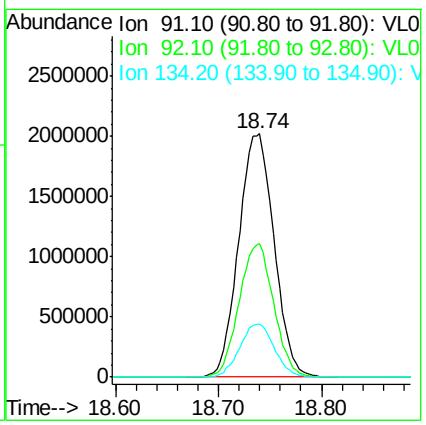


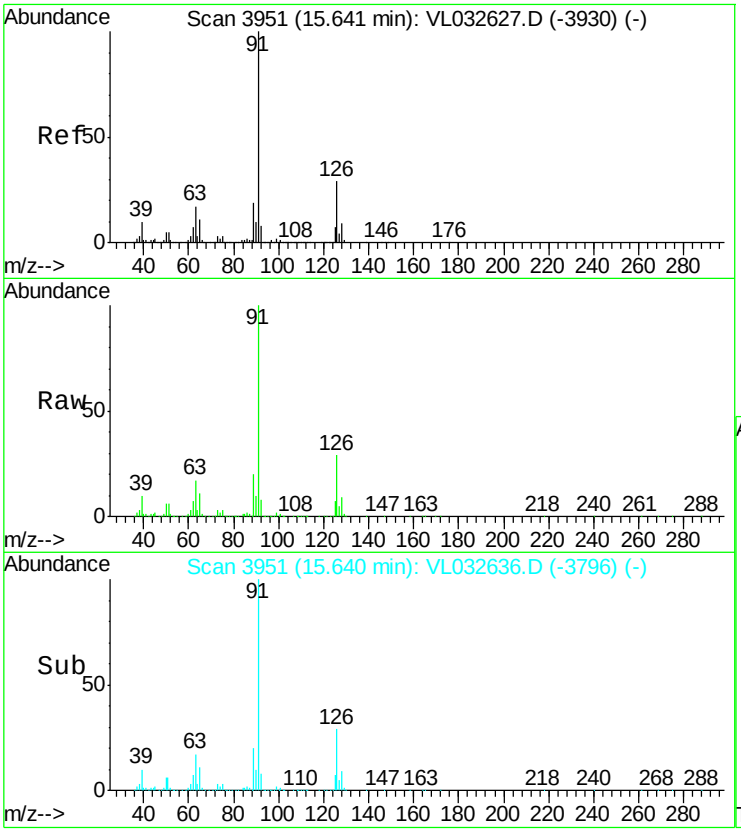


#70
n-Butylbenzene
Concen: 11.070 ppbv
RT: 18.74 min Scan# 4915
Delta R.T. 0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 91 Resp: 4810431

Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.0	64.4
134	21.4	17.0	25.6



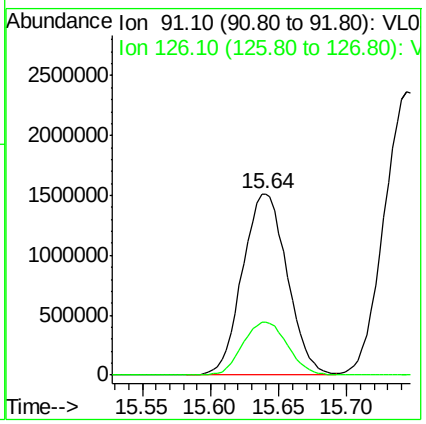


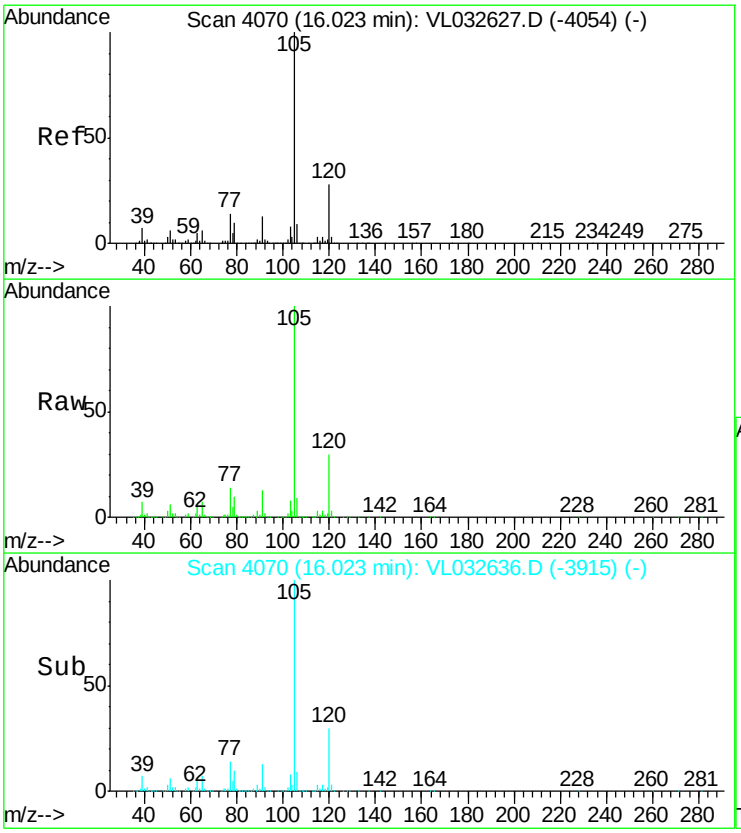
#71
2-Chlorotoluene
Concen: 11.402 ppbv
RT: 15.64 min Scan# 3951
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 91 Resp: 3439347

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.8	47.4

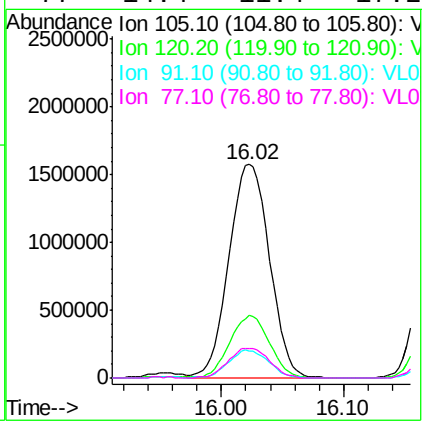


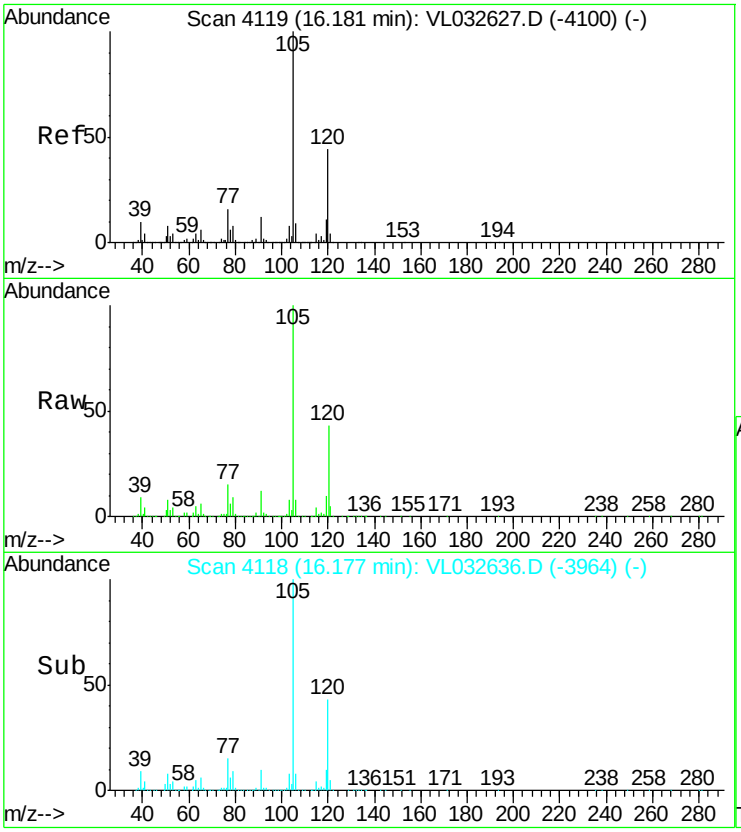


#72
4-Ethyltoluene
Concen: 11.726 ppbv
RT: 16.02 min Scan# 4070
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:105 Resp: 3630578

Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.7	35.5
91	13.0	10.4	15.6
77	14.4	11.4	17.2



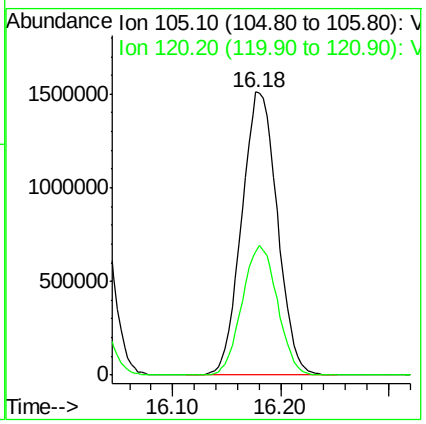


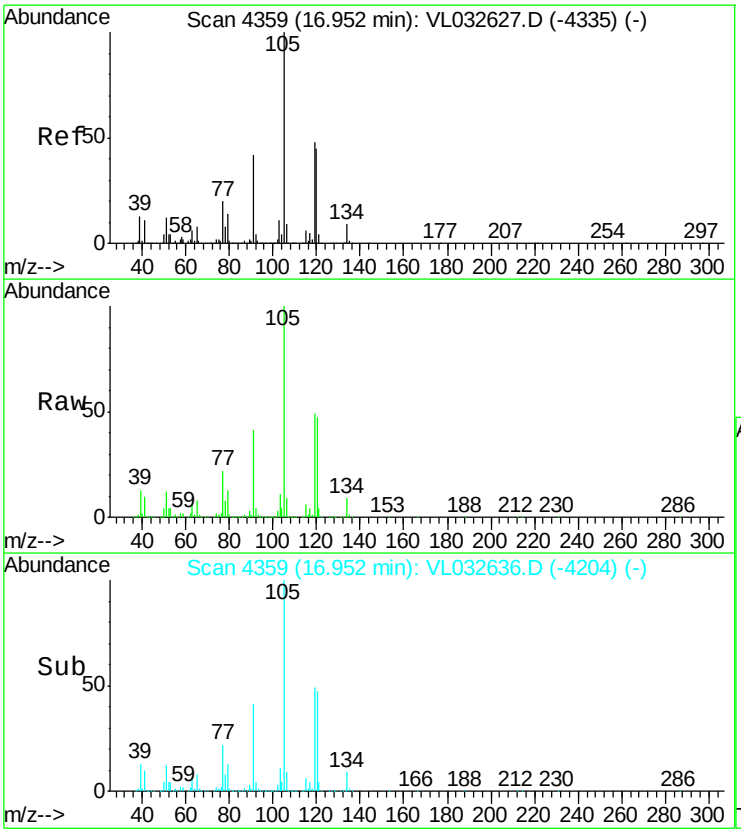
#73
1,3,5-Trimethylbenzene
Concen: 11.251 ppbv
RT: 16.18 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion:105 Resp: 3464989

Ion	Ratio	Lower	Upper
105	100		
120	43.5	35.4	53.2

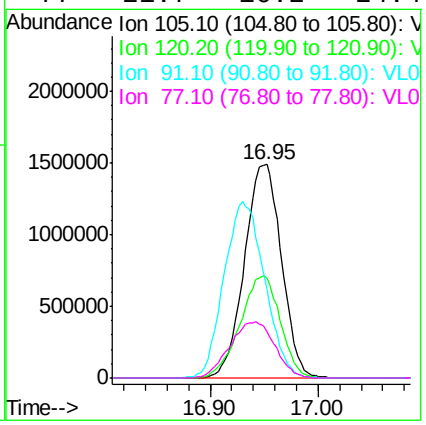


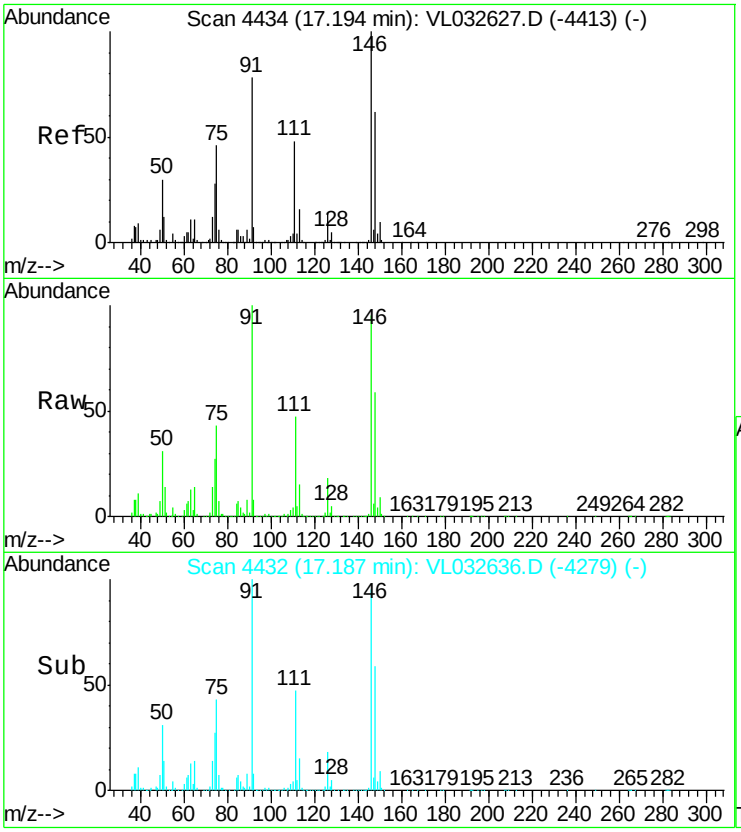


#74
1,2,4-Trimethylbenzene
Concen: 10.464 ppbv
RT: 16.95 min Scan# 4359
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:105 Resp: 3547956

Ion	Ratio	Lower	Upper
105	100		
120	47.0	35.8	53.8
91	41.3	33.2	49.8
77	21.7	16.2	24.4



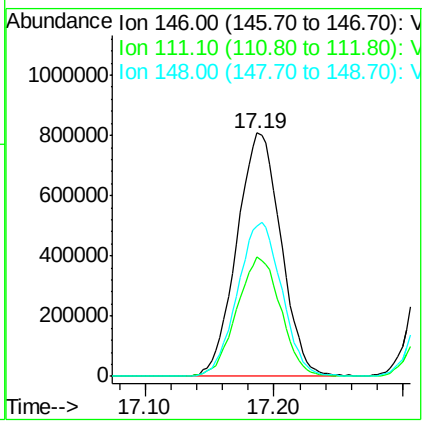


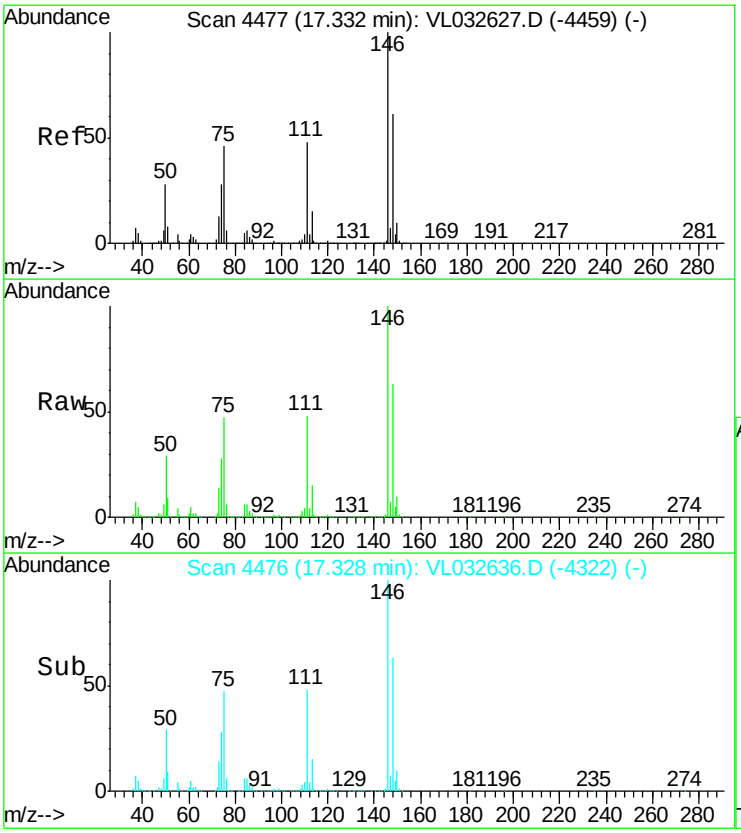
#75
1,3-Dichlorobenzene
Concen: 9.756 ppbv
RT: 17.19 min Scan# 4432
Delta R.T. -0.01 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion:146 Resp: 1922532

Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.4	73.2
148	63.6	31.9	95.9

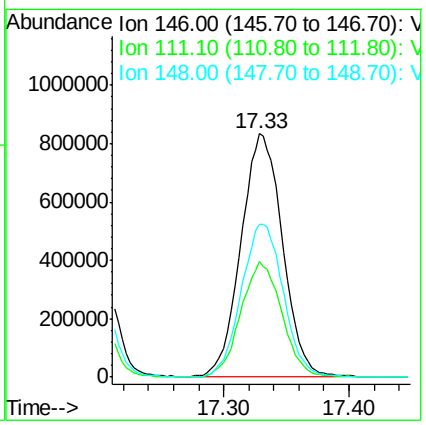


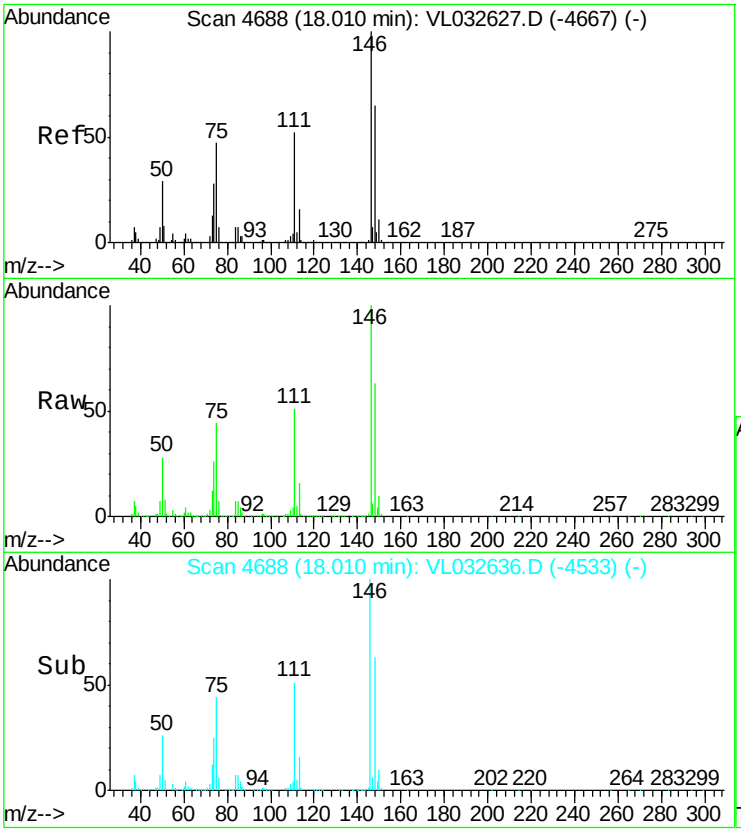


#76
1,4-Dichlorobenzene
Concen: 10.597 ppbv
RT: 17.33 min Scan# 4476
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:146 Resp: 1902739

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.7	71.1
148	64.2	32.1	96.3



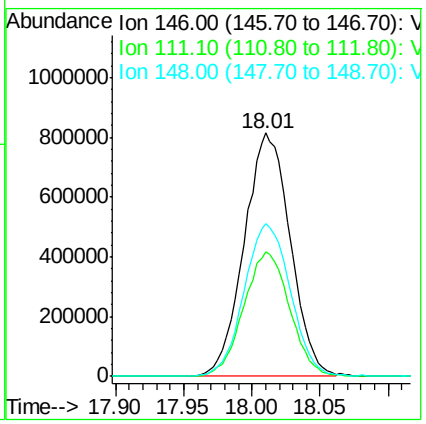


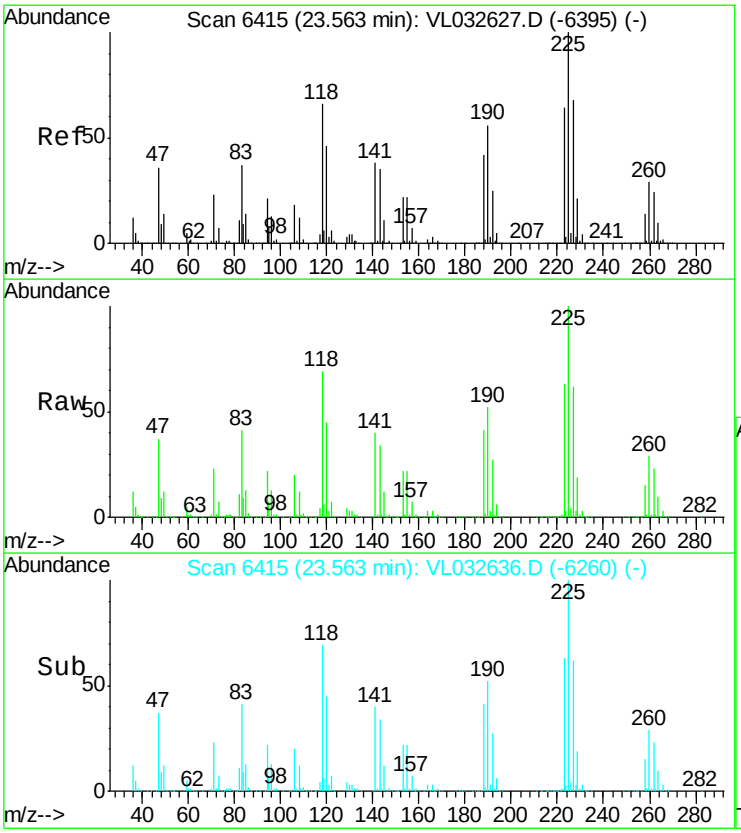
#77
1,2-Dichlorobenzene
Concen: 10.079 ppbv
RT: 18.01 min Scan# 4688
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:146 Resp: 1909282

Ion	Ratio	Lower	Upper
146	100		
111	50.9	25.3	75.8
148	63.3	31.9	95.9

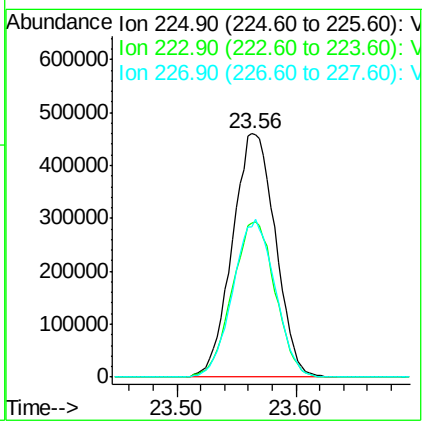


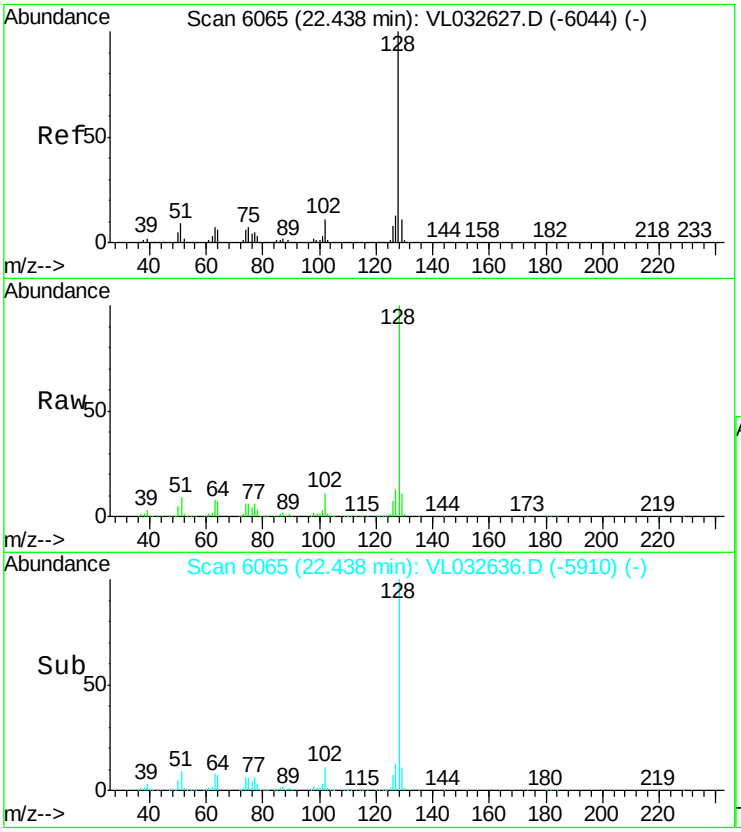


#78
Hexachloro-1,3-Butadiene
Concen: 10.870 ppbv
RT: 23.56 min Scan# 6415
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:225 Resp: 1152402

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.7	76.1
227	63.5	50.7	76.1



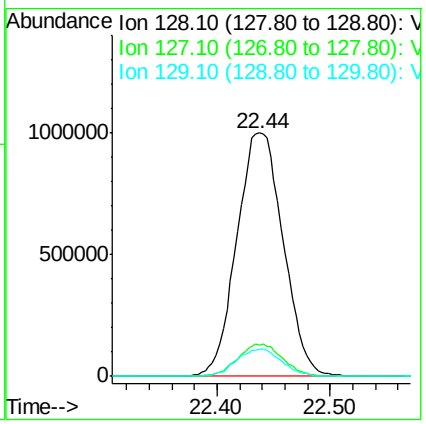


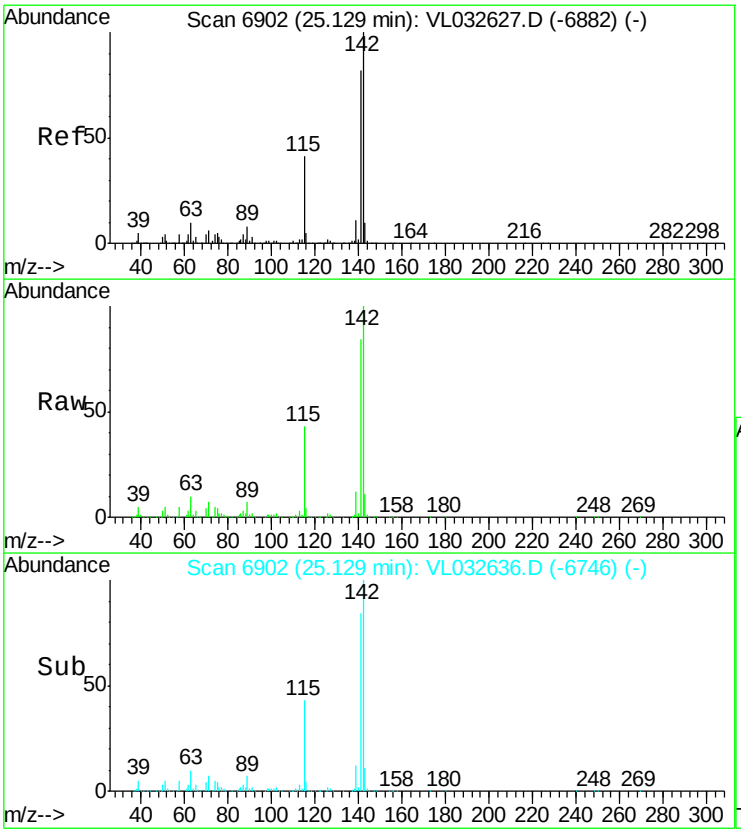
#79
Naphthalene
Concen: 12.309 ppbv
RT: 22.44 min Scan# 6065
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion:128 Resp: 2838129

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.3	8.6	13.0

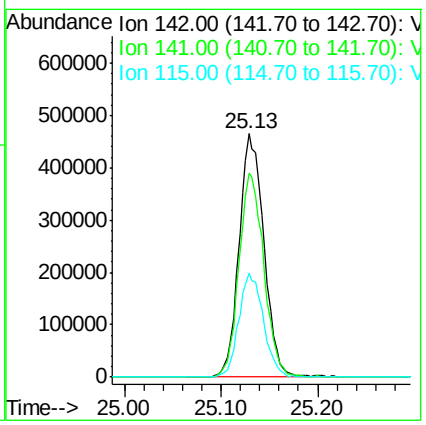


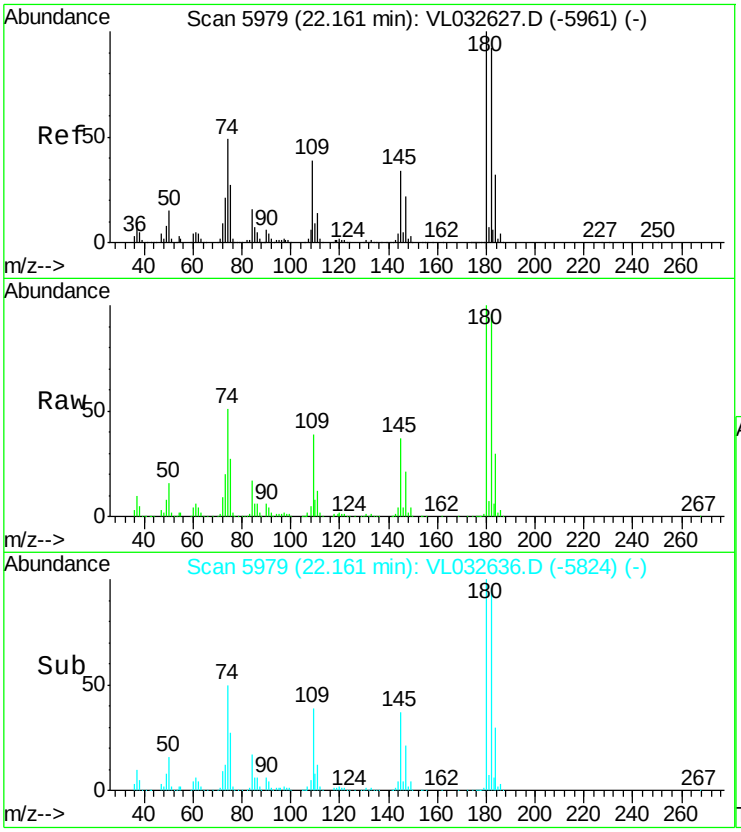


#80
Naphthalene,2-methyl-
Concen: 11.010 ppbv
RT: 25.13 min Scan# 6902
Delta R.T. 0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:142 Resp: 827537

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.5	101.3
115	42.7	33.5	50.3





#81
1,2,4-Trichlorobenzene
Concen: 11.918 ppbv
RT: 22.16 min Scan# 5979
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion:180 Resp: 1364146

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	30.4	24.7	37.1