Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
Data File : VL032154.D
Acq On : 30 Jun 2018 3:57
Operator : SY/AP
Sample : VL0629ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Quant Time: Jun 30 04:28:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1596636	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.39	114	3970112	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.35	117	3948221	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.68	95	2748455	9.11	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 91.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.13	85	2537420	12.069	ppbv	98
3) Chlorodifluoromethane	3.07	51	1808197	9.269	ppbv	95
4) Chloromethane	3.23	50	981301	9.422	ppbv	99
5) Vinyl Chloride	3.35	62	1000458	9.511	ppbv	98
6) Bromomethane	3.58	94	561506	9.372	ppbv	97
7) Chloroethane	3.67	64	350086	9.411	ppbv	94
8) Dichlorotetrafluoroethane	3.28	85	2141602	9.128	ppbv	94
9) Propene	3.09	41	823131	9.053	ppbv	98
10) Heptane	8.34	43	2476661	9.343	ppbv	99
11) Trichlorofluoromethane	4.07	101	2189620	9.627	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.63	101	1380425	9.113	ppbv	94
13) Ethanol	3.72	45	170621	6.190	ppbv	96
14) Bromoethene	3.86	108	683770	9.487	ppbv	99
15) Acetone	3.97	43	1676243	8.979	ppbv	100
16) 1,3-Butadiene	3.42	39	936535	10.512	ppbv	89
17) tert-Butyl alcohol	4.43	59	936032	7.874	ppbv	99
18) 1,1-Dichloroethene	4.43	96	670797	9.257	ppbv	97
19) Isopropyl Alcohol	4.10	45	1210556	7.804	ppbv #	41
20) Methylene Chloride	4.49	84	582644	8.540	ppbv	98
21) Allyl Chloride	4.55	41	1178418	9.243	ppbv	97
22) trans-1,2-Dichloroethene	5.04	96	725354	9.575	ppbv	97
23) Vinyl Acetate	5.24	43	3404832	10.057	ppbv	99
24) 1,1-Dichloroethane	5.17	63	2193275	10.113	ppbv	100
25) Ethyl Acetate	5.85	43	3731792	9.661	ppbv	99
26) Hexane	5.86	57	1703745	9.578	ppbv	96
27) Carbon Disulfide	4.70	76	1664906	9.415	ppbv	99
28) Methyl tert-Butyl Ether	5.20	73	3107279	9.884	ppbv	100
29) Chloroform	5.94	83	2606944	10.068	ppbv	99
30) Cyclohexane	7.34	84	1624696	9.691	ppbv	98
31) cis-1,2-Dichloroethene	5.73	61	1790823	10.074	ppbv	95
32) 1,1,1-Trichloroethane	6.71	97	2612370	9.625	ppbv	98
34) 2-Butanone	5.41	43	2630211	10.438	ppbv	99
35) Carbon Tetrachloride	7.23	117	2660454	9.790	ppbv	98
36) Benzene	7.10	78	3919643	10.201	ppbv	98
37) 1,2-Dichloroethane	6.50	62	2064704	10.785	ppbv	97
38) Trichloroethene	8.06	130	1325546	8.830	ppbv	96
39) 1,2-Dichloropropane	7.83	63	1502931	9.917	ppbv	96
40) 1,4-Dioxane	8.05	88	484597	8.154	ppbv #	1
41) Tetrahydrofuran	6.24	42	1551492	10.271	ppbv	98
42) Bromodichloromethane	8.02	83	2997547	9.989	ppbv	100
43) Methyl Methacrylate	8.23	69	1607700	10.094	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
Data File : VL032154.D
Acq On : 30 Jun 2018 3:57
Operator : SY/AP
Sample : VL0629ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Quant Time: Jun 30 04:28:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.09	57	6376802	9.484	ppbv		99
45) t-1,3-Dichloropropene	9.52	75	2072475	10.501	ppbv		100
46) cis-1,3-Dichloropropene	8.94	75	2423024	10.283	ppbv		98
47) 1,1,2-Trichloroethane	9.72	97	1554325	9.867	ppbv		99
48) Dibromochloromethane	10.56	129	2425877	9.948	ppbv		99
49) Bromoform	13.31	173	1971515	9.655	ppbv		99
50) 4-Methyl-2-Pentanone	8.97	43	4115663	9.970	ppbv		100
51) 2-Hexanone	10.37	43	3423484	10.005	ppbv		100
52) Tetrachloroethene	11.48	164	1201527	8.599	ppbv		97
53) Toluene	10.05	91	4430716	9.540	ppbv		99
54) 1,2-Dibromoethane	10.86	107	2349740	9.923	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.39	131	1622153	9.202	ppbv	#	54
57) Chlorobenzene	12.41	112	3152024	9.218	ppbv		97
58) Ethyl Benzene	12.97	91	5939339	9.334	ppbv		93
59) m/p-Xylene	13.26	91	3897170	7.641	ppbv	#	7
60) o-Xylene	13.96	91	4564414	8.973	ppbv		96
61) Styrene	13.79	104	3824797	9.175	ppbv		96
62) Isopropylbenzene	14.93	105	6596779	8.433	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.94	83	3242429	8.232	ppbv		99
64) n-propylbenzene	15.83	120	1713781	8.465	ppbv		88
65) tert-Butylbenzene	17.02	119	5428982	7.898	ppbv		94
66) Benzyl Chloride	17.26	91	3646679	8.591	ppbv		95
67) sec-Butylbenzene	17.57	105	8071822	8.021	ppbv		98
69) p-Isopropyltoluene	17.92	119	6553500	8.118	ppbv		97
70) n-Butylbenzene	18.82	91	7131934	8.461	ppbv		99
71) 2-Chlorotoluene	15.72	91	5262788	8.738	ppbv		95
72) 4-Ethyltoluene	16.11	105	5686614	8.655	ppbv		97
73) 1,3,5-Trimethylbenzene	16.26	105	5346556	8.639	ppbv		96
74) 1,2,4-Trimethylbenzene	17.03	105	5200958	8.327	ppbv		94
75) 1,3-Dichlorobenzene	17.28	146	2865431	8.065	ppbv		97
76) 1,4-Dichlorobenzene	17.41	146	2966659	8.235	ppbv		97
77) 1,2-Dichlorobenzene	18.10	146	2886276	8.129	ppbv		97
78) Hexachloro-1,3-Butadiene	23.64	225	976256	7.896	ppbv		99
79) Naphthalene	22.53	128	5442150	9.586	ppbv		98
80) Naphthalene,2-methyl-	25.19	142	2746356	13.402	ppbv		97
81) 1,2,4-Trichlorobenzene	22.26	180	2410742	9.403	ppbv		100

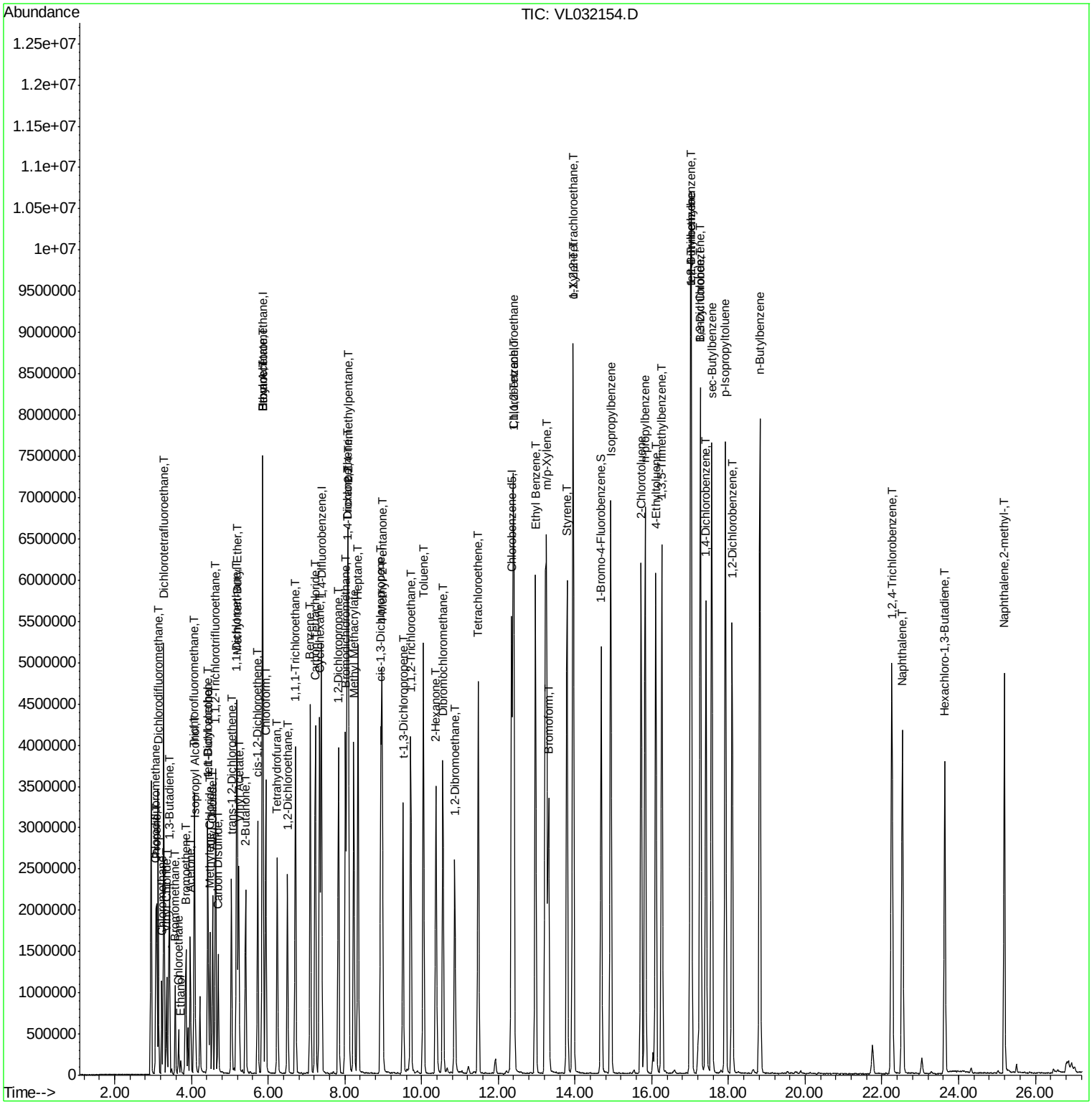
(#) = qualifier out of range (m) = manual integration (+) = signals summed

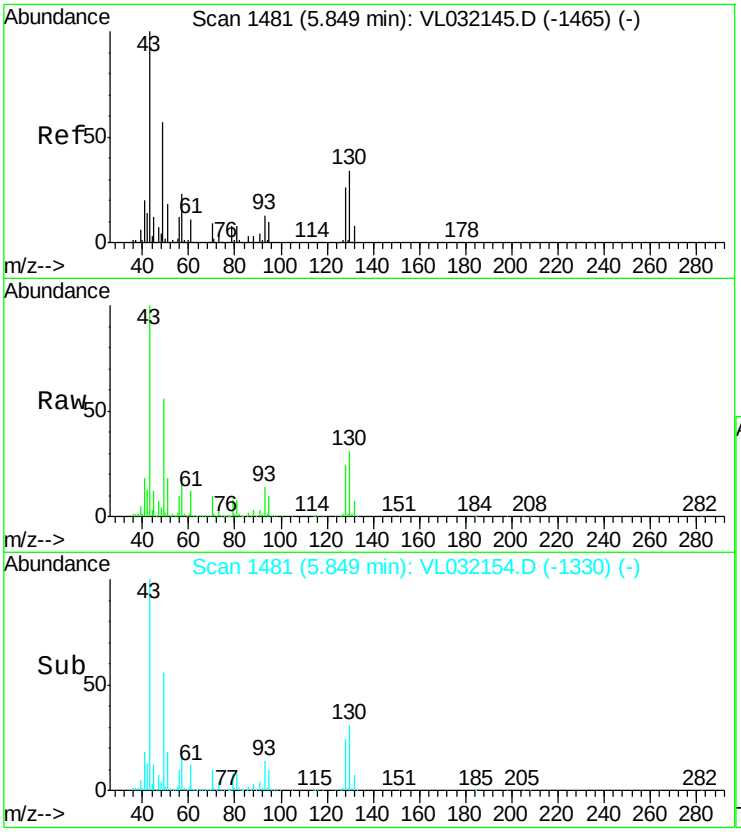
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
Data File : VL032154.D
Acq On : 30 Jun 2018 3:57
Operator : SY/AP
Sample : VL0629ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Quant Time: Jun 30 04:28:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration



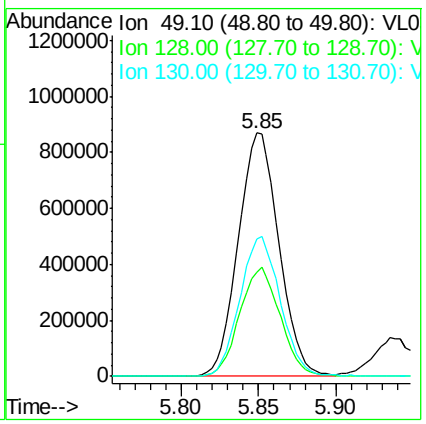


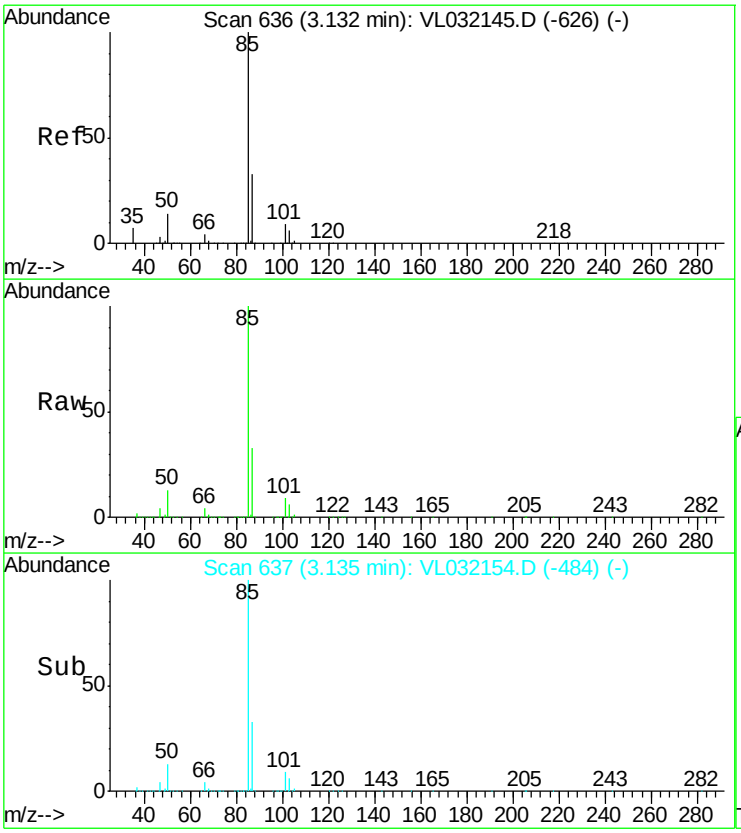
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion: 49 Resp: 1596636

Ion	Ratio	Lower	Upper
49	100		
128	44.6	23.4	70.0
130	57.2	30.3	90.9

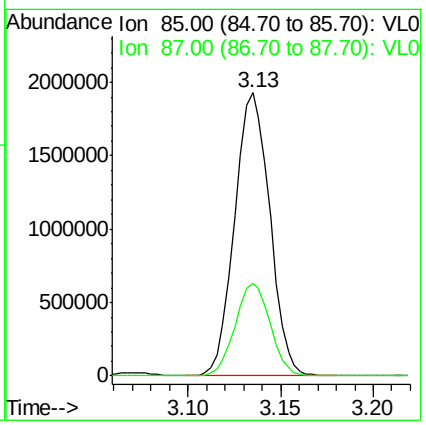


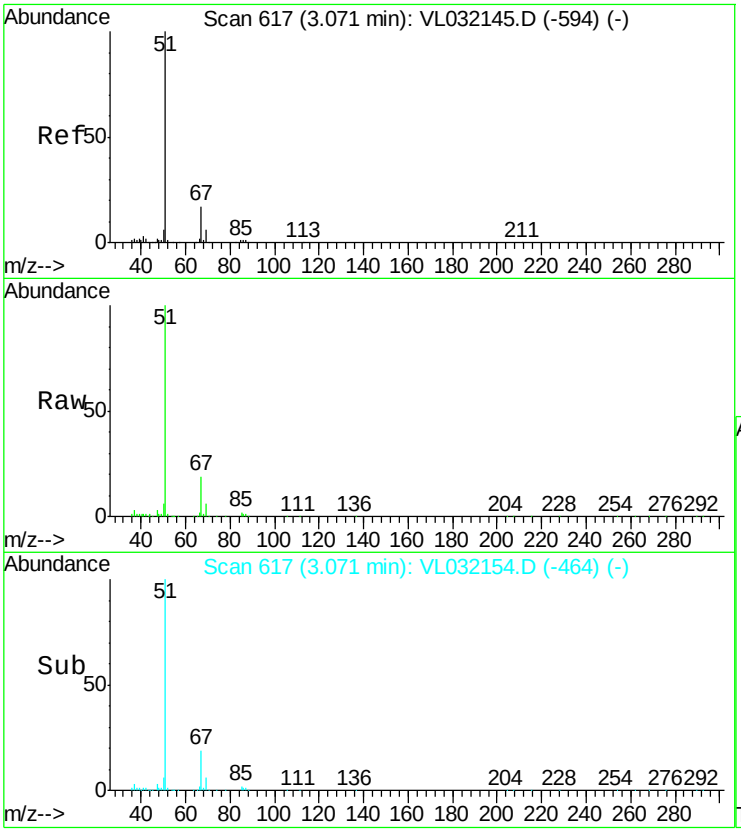


#2
Dichlorodifluoromethane
Concen: 12.069 ppbv
RT: 3.13 min Scan# 637
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 85 Resp: 2537420

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.7	40.1



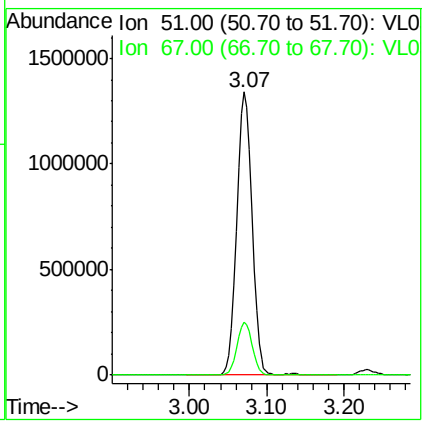


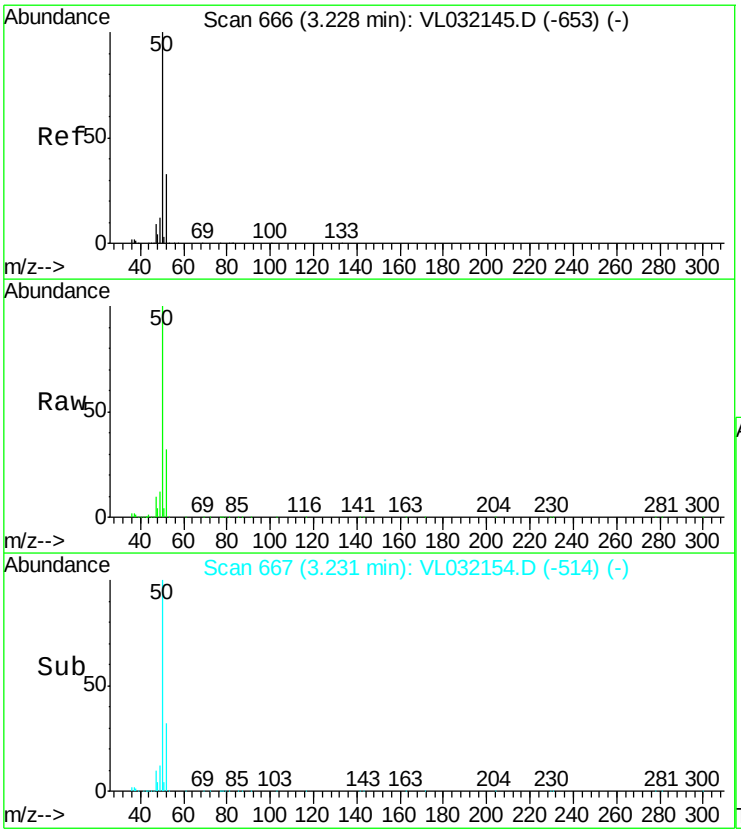
#3
Chlorodifluoromethane
Concen: 9.269 ppbv
RT: 3.07 min Scan# 617
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 51 Resp: 1808197

Ion	Ratio	Lower	Upper
51	100		
67	18.7	13.2	19.8

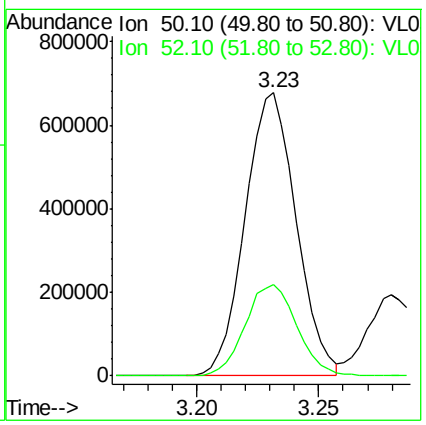


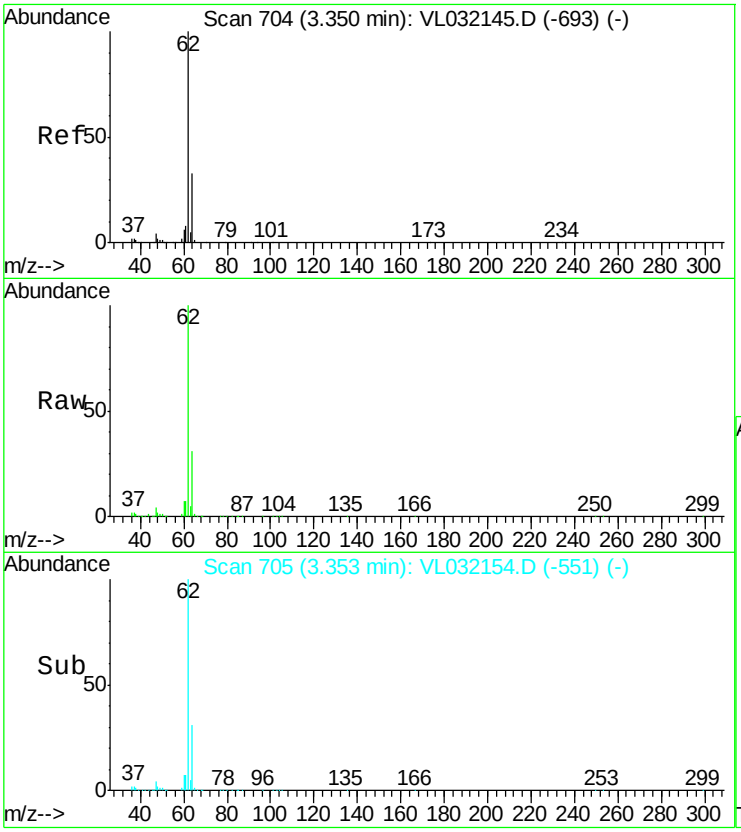


#4
Chloromethane
Concen: 9.422 ppbv
RT: 3.23 min Scan# 667
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 50 Resp: 981301

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.0	39.0



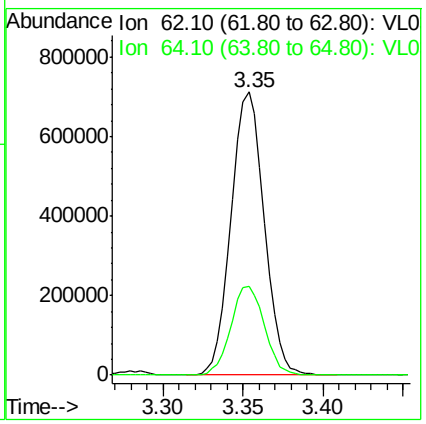


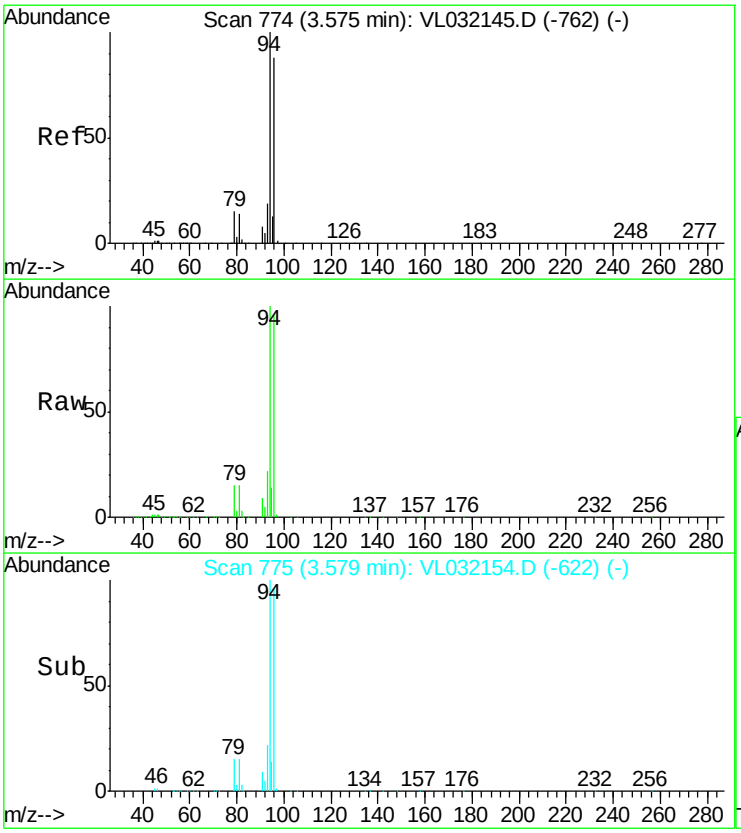
#5
Vinyl Chloride
Concen: 9.511 ppbv
RT: 3.35 min Scan# 705
Delta R.T. -0.00 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion: 62 Resp: 1000458

Ion	Ratio	Lower	Upper
62	100		
64	31.3	26.1	39.1

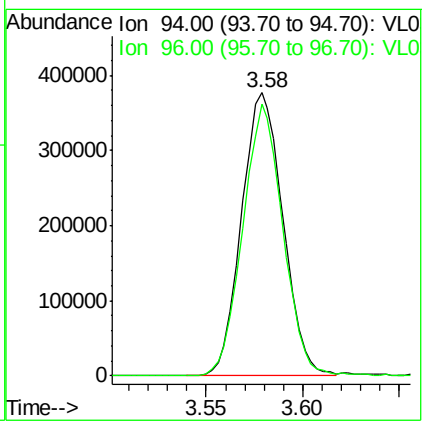


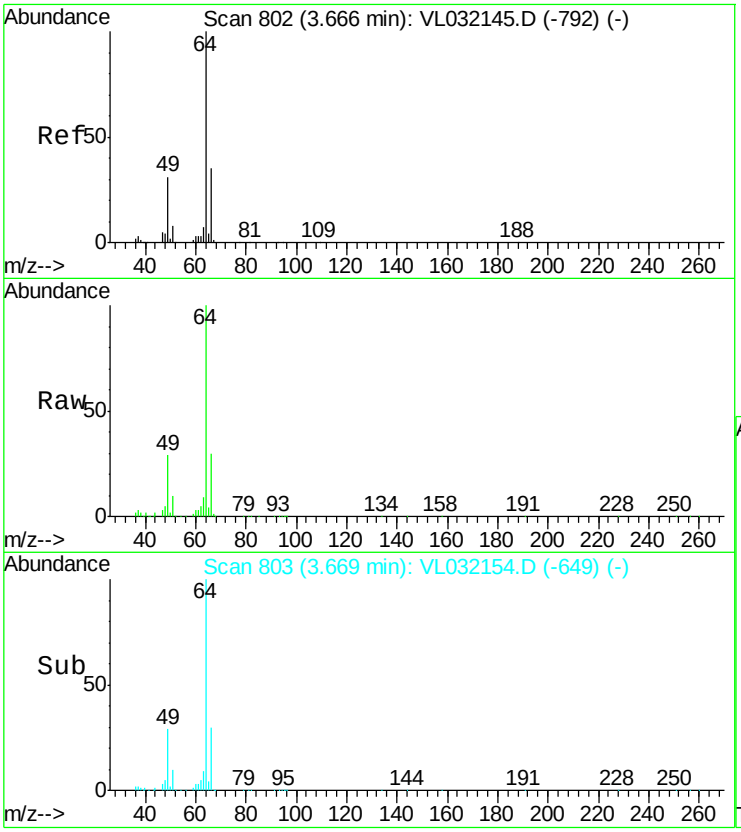


#6
Bromomethane
Concen: 9.372 ppbv
RT: 3.58 min Scan# 775
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 94 Resp: 561506

Ion	Ratio	Lower	Upper
94	100		
96	95.9	74.7	112.1



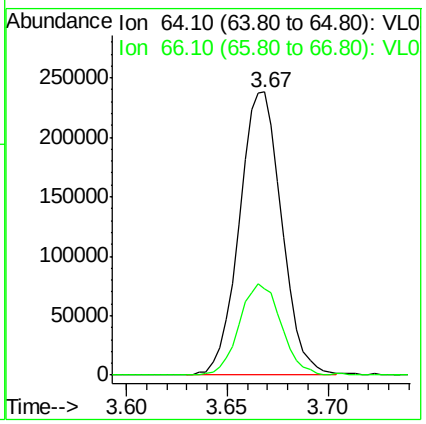


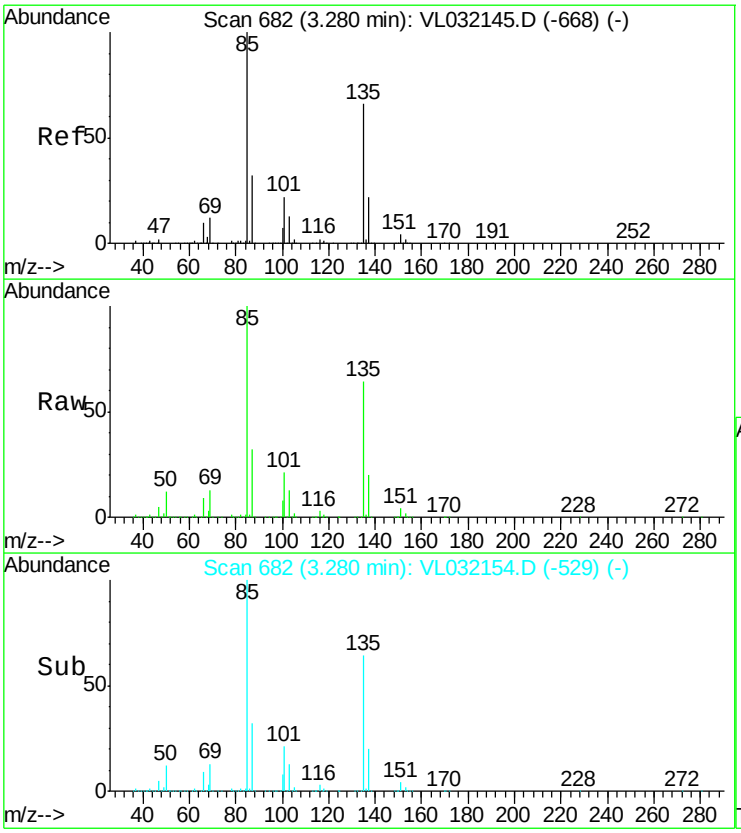
#7
Chloroethane
Concen: 9.411 ppbv
RT: 3.67 min Scan# 803
Delta R.T. -0.00 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 64 Resp: 350086

Ion	Ratio	Lower	Upper
64	100		
66	30.3	26.9	40.3

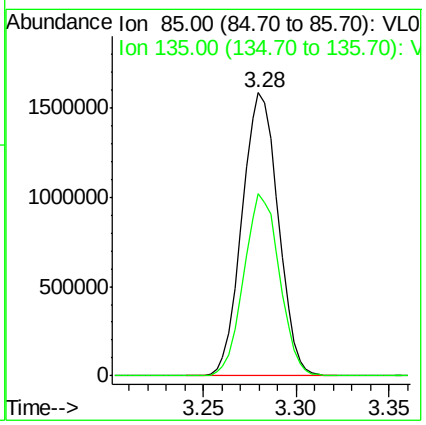


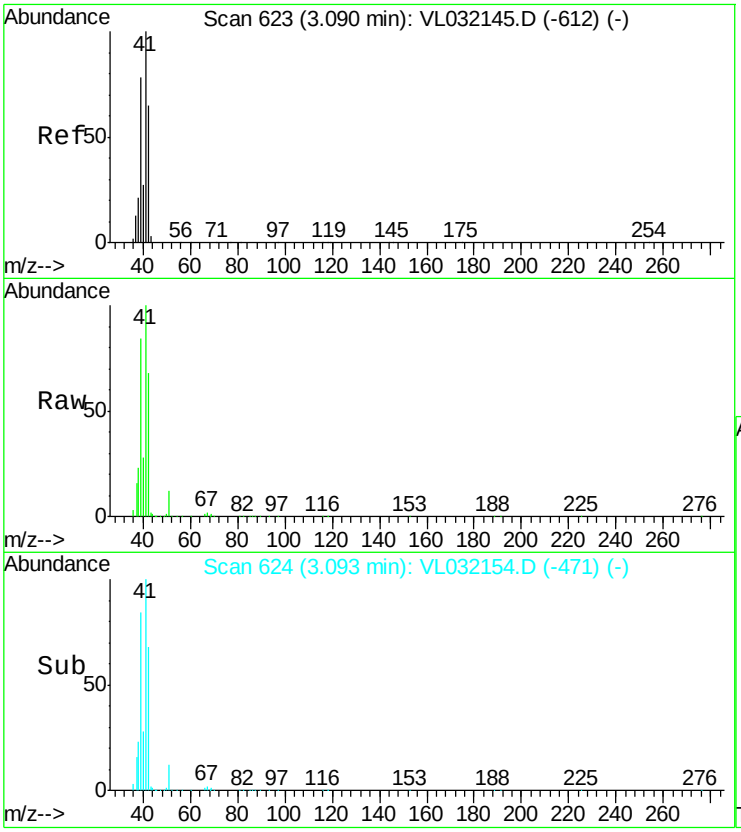


#8
Dichlorotetrafluoroethane
Concen: 9.128 ppbv
RT: 3.28 min Scan# 682
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 85 Resp: 2141602

Ion	Ratio	Lower	Upper
85	100		
135	63.8	54.6	82.0



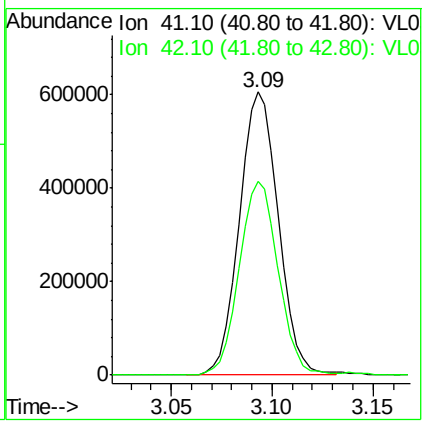


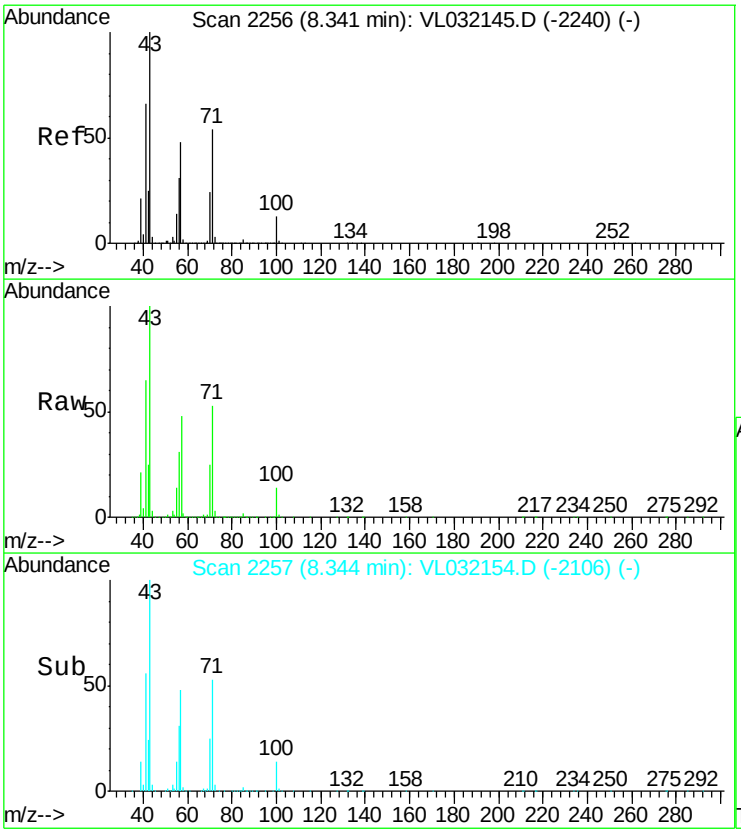
#9
Propene
Concen: 9.053 ppbv
RT: 3.09 min Scan# 624
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 41 Resp: 823131

Ion	Ratio	Lower	Upper
41	100		
42	69.0	56.2	84.4

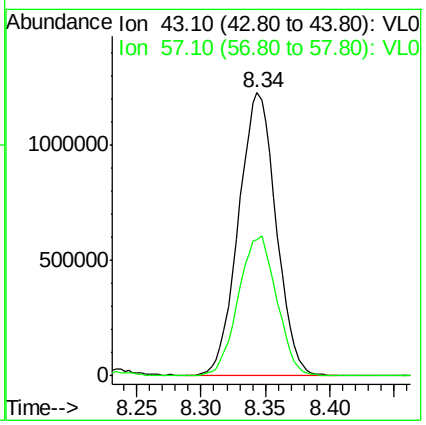


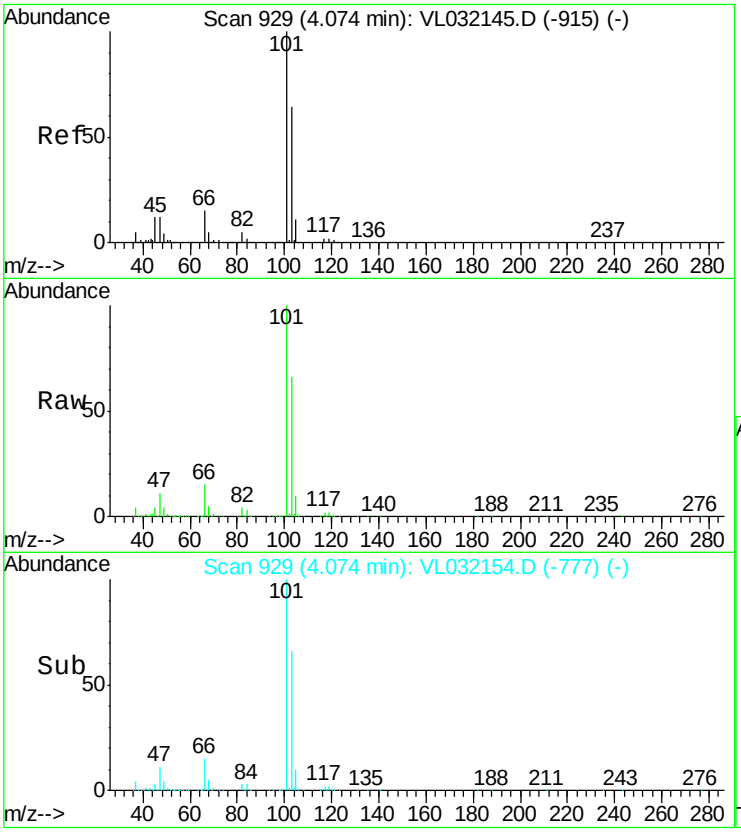


#10
Heptane
Concen: 9.343 ppbv
RT: 8.34 min Scan# 2257
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 43 Resp: 2476661

Ion	Ratio	Lower	Upper
43	100		
57	50.6	39.8	59.8



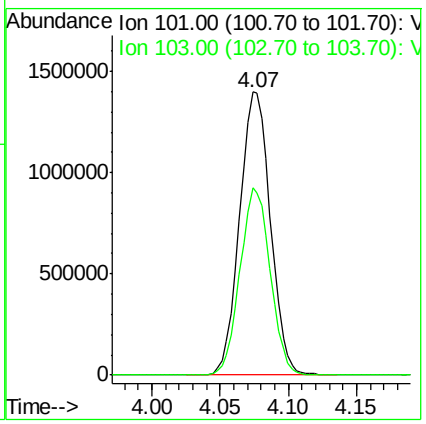


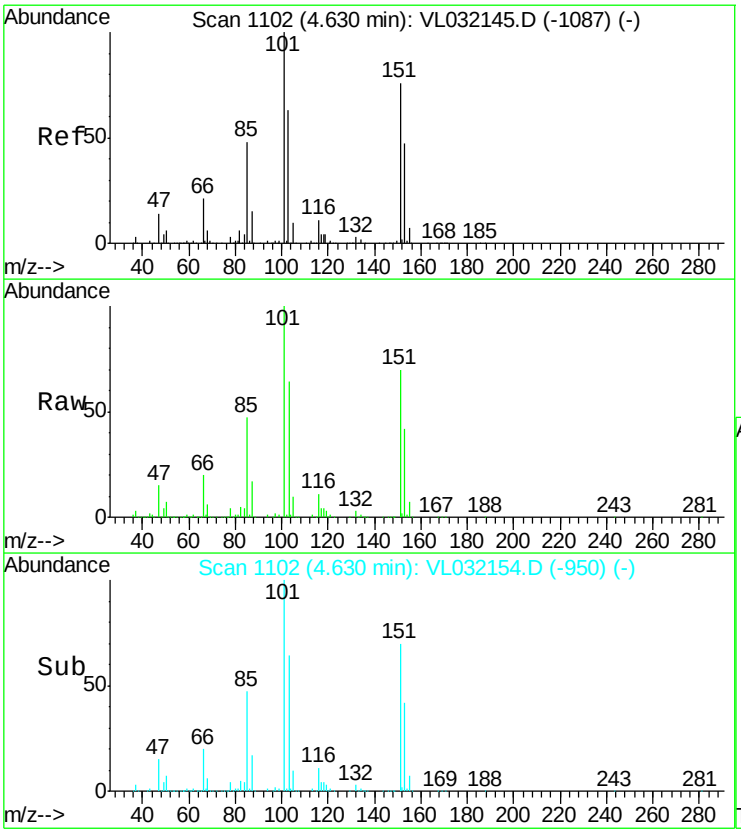
#11
Trichlorofluoromethane
Concen: 9.627 ppbv
RT: 4.07 min Scan# 929
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion:101 Resp: 2189620

Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.4	77.0

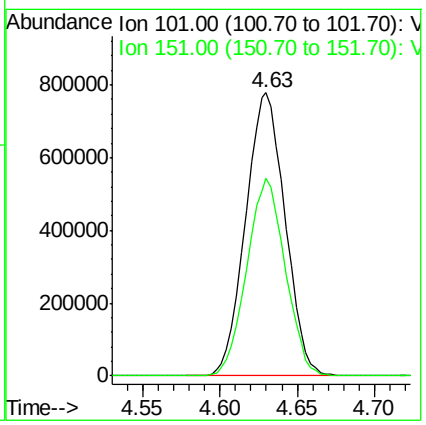


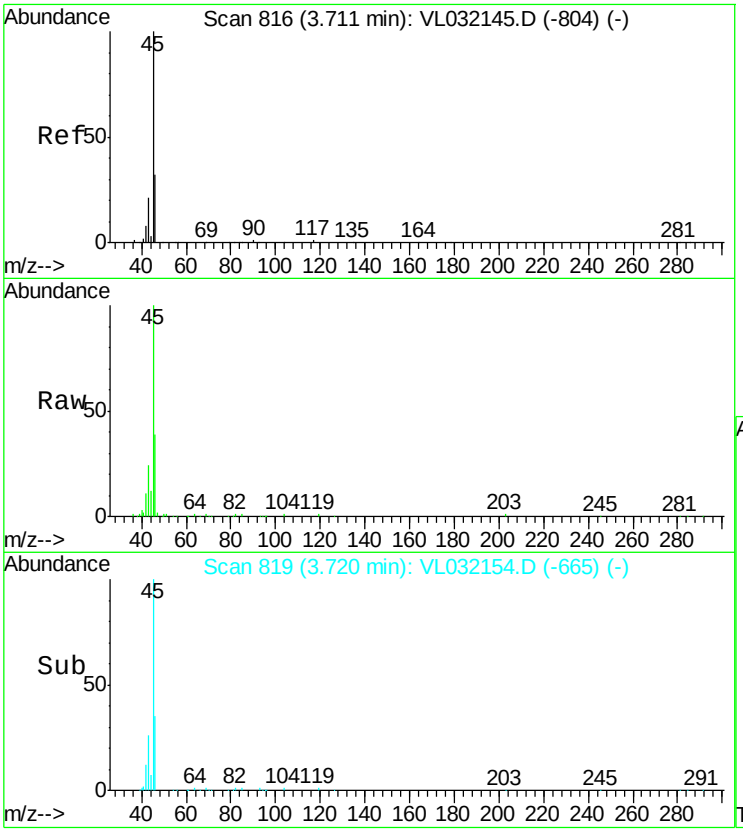


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.113 ppbv
RT: 4.63 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:101 Resp: 1380425

Ion	Ratio	Lower	Upper
101	100		
151	68.4	58.8	88.2



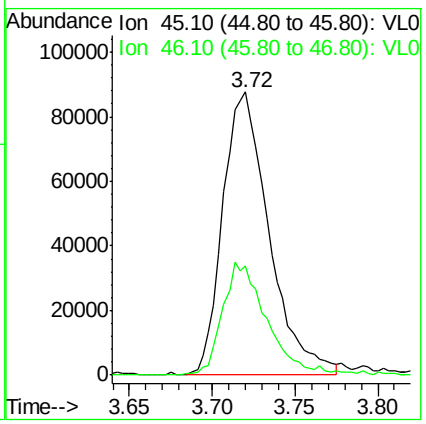


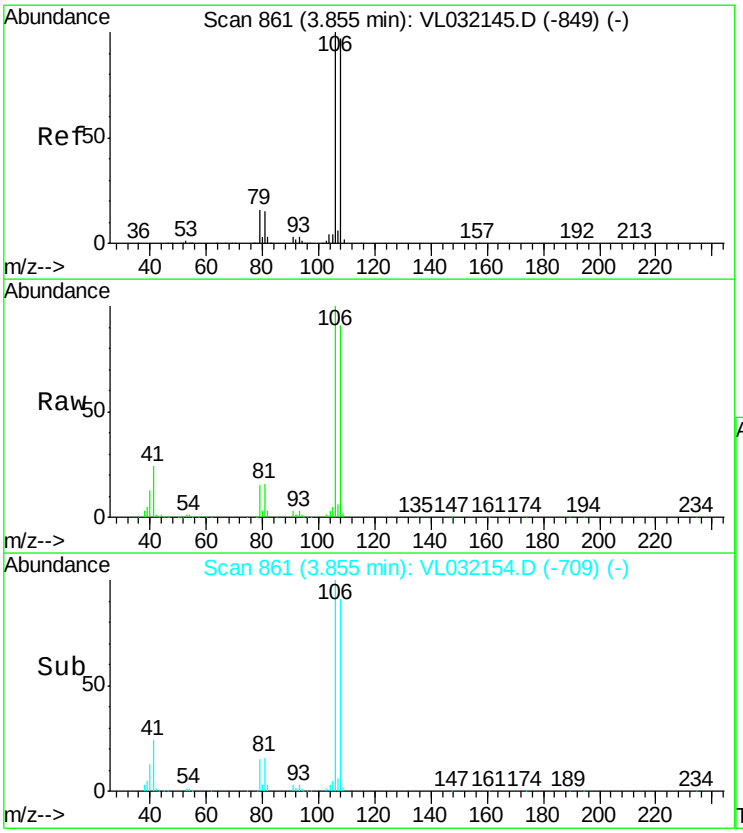
#13
Ethanol
Concen: 6.190 ppbv
RT: 3.72 min Scan# 819
Delta R.T. -0.00 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion: 45 Resp: 170621

Ion	Ratio	Lower	Upper
45	100		
46	38.6	14.6	58.4

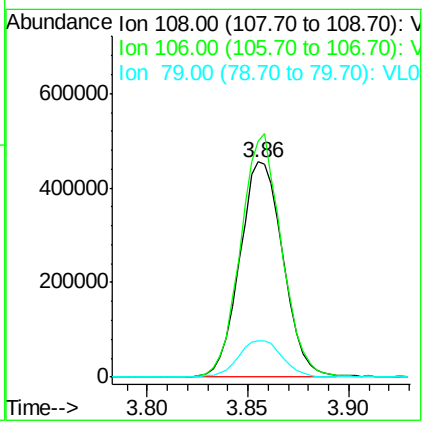


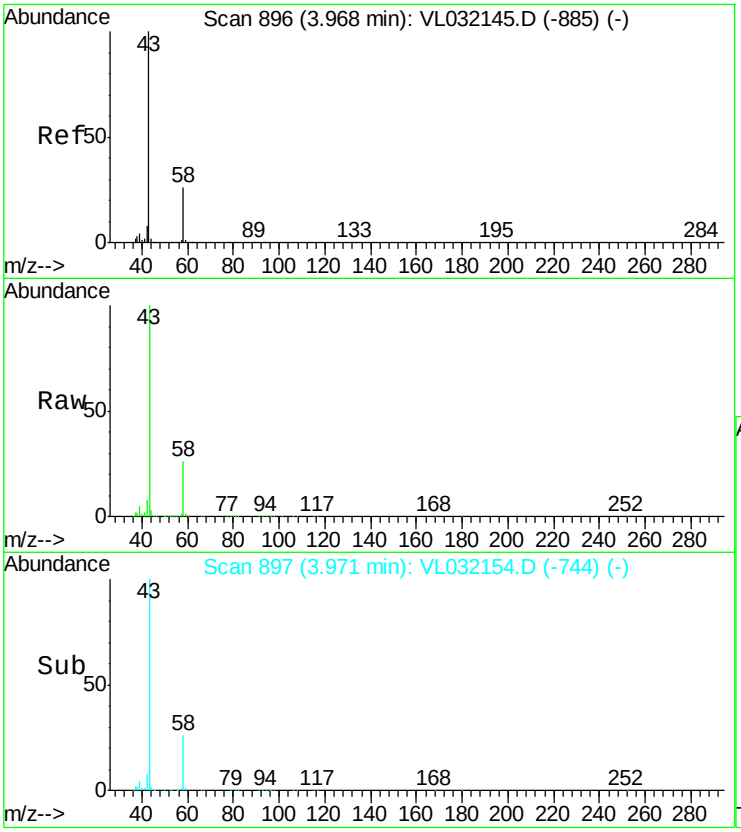


#14
Bromoethene
Concen: 9.487 ppbv
RT: 3.86 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:108 Resp: 683770

Ion	Ratio	Lower	Upper
108	100		
106	108.3	86.3	129.5
79	17.4	12.7	19.1



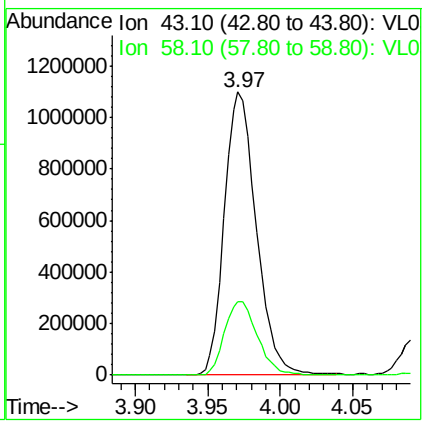


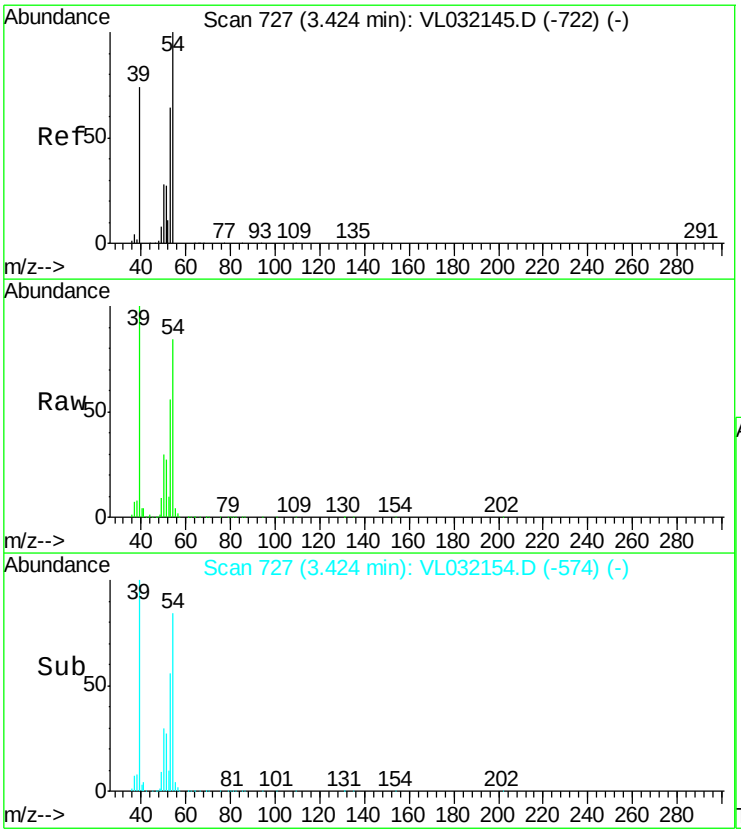
#15
Acetone
Concen: 8.979 ppbv
RT: 3.97 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 43 Resp: 1676243

Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.4	32.0

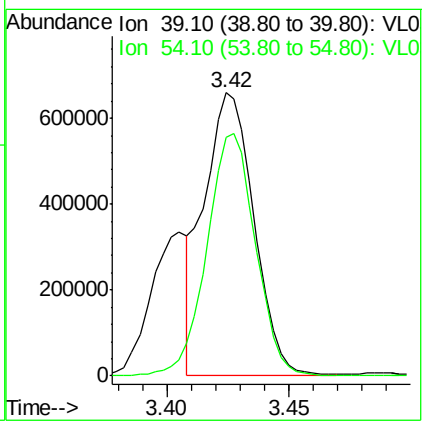


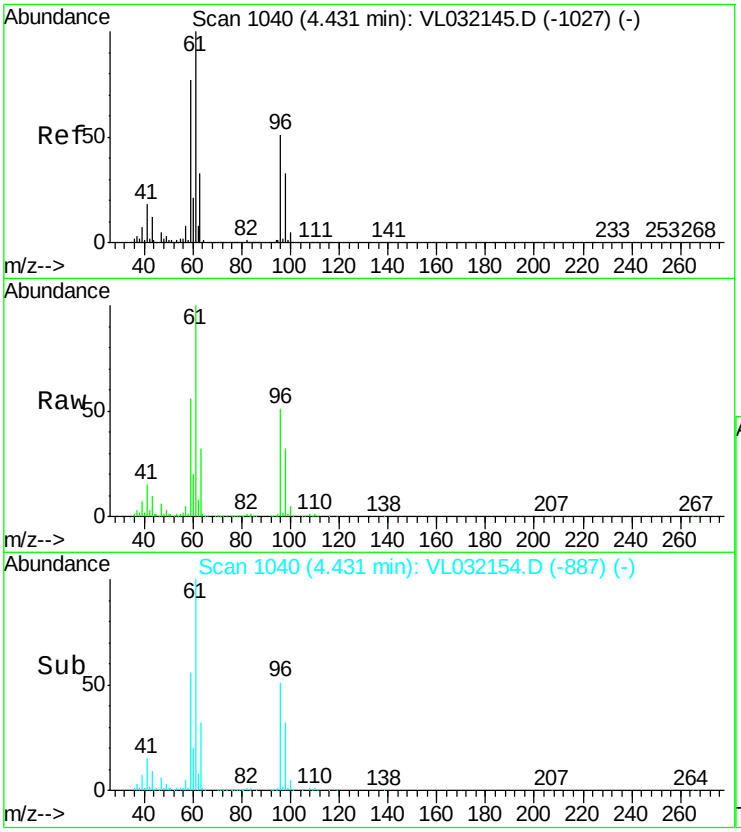


#16
1,3-Butadiene
Concen: 10.512 ppbv
RT: 3.42 min Scan# 727
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 39 Resp: 936535

Ion	Ratio	Lower	Upper
39	100		
54	84.5	75.8	113.6



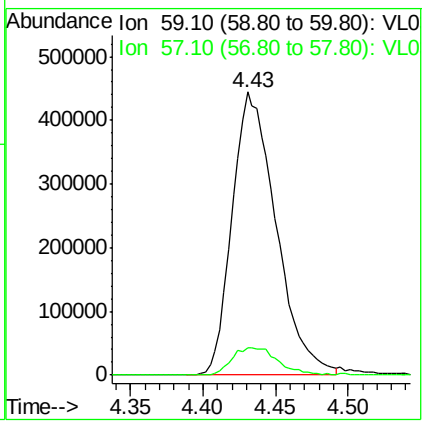


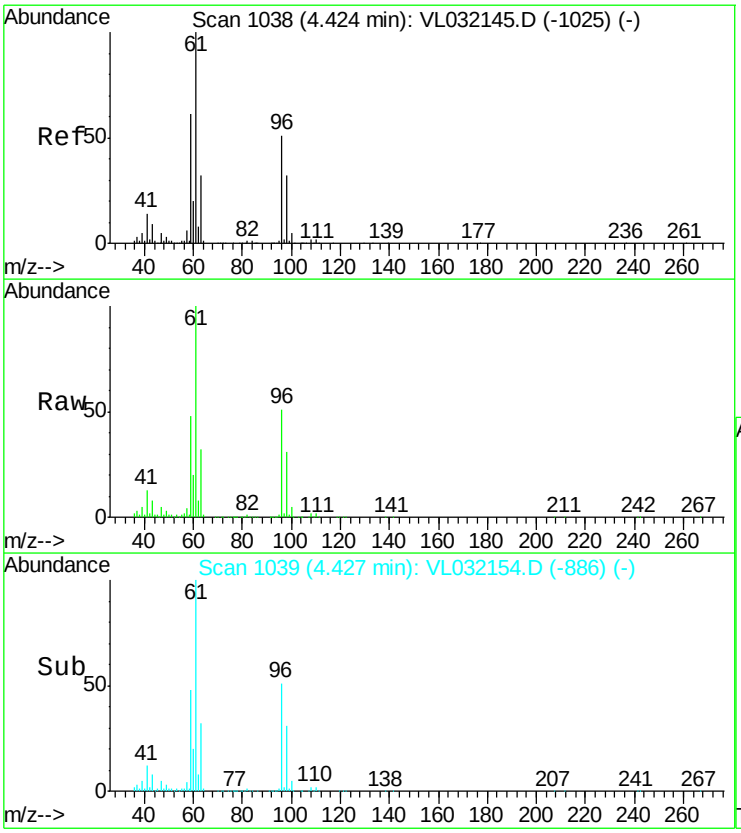
#17
tert-Butyl alcohol
Concen: 7.874 ppbv
RT: 4.43 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion: 59 Resp: 936032

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

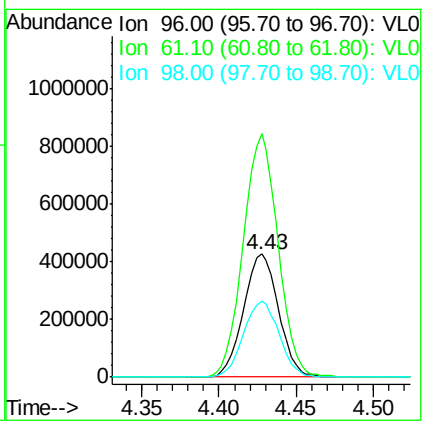


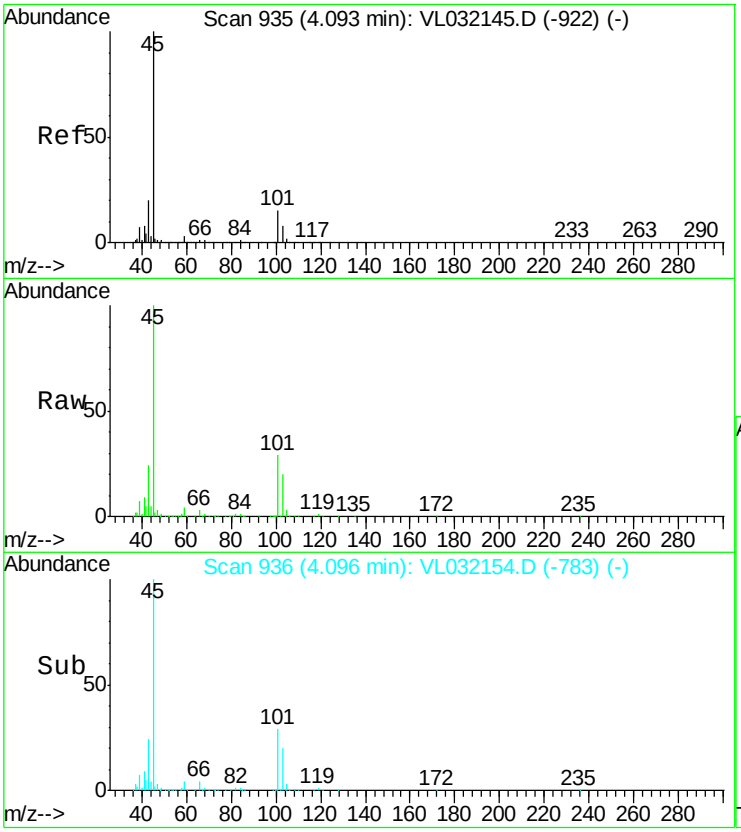


#18
1,1-Dichloroethene
Concen: 9.257 ppbv
RT: 4.43 min Scan# 1039
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 96 Resp: 670797

Ion	Ratio	Lower	Upper
96	100		
61	197.6	154.1	231.1
98	61.9	50.3	75.5



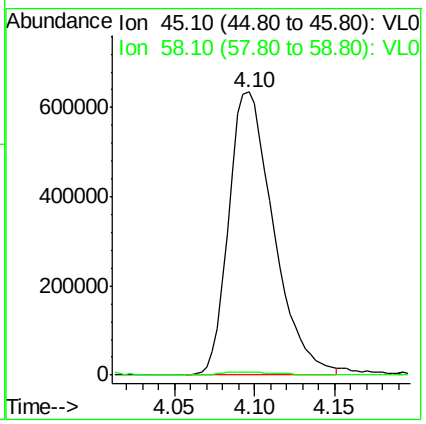


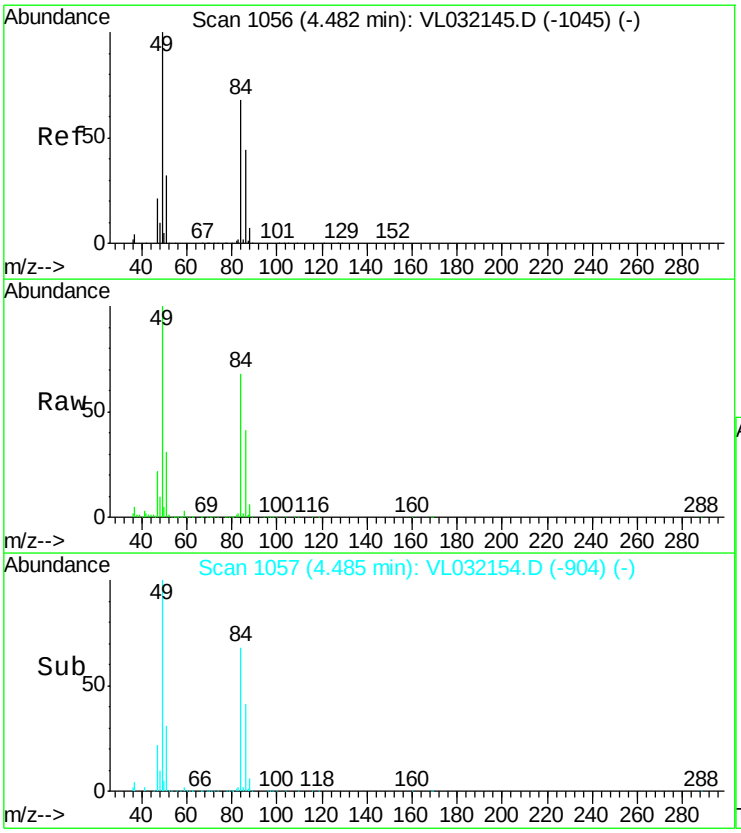
#19
Isopropyl Alcohol
Concen: 7.804 ppbv
RT: 4.10 min Scan# 936
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 45 Resp: 1210556

Ion	Ratio	Lower	Upper
45	100		
58	1.5	29.4	44.0#

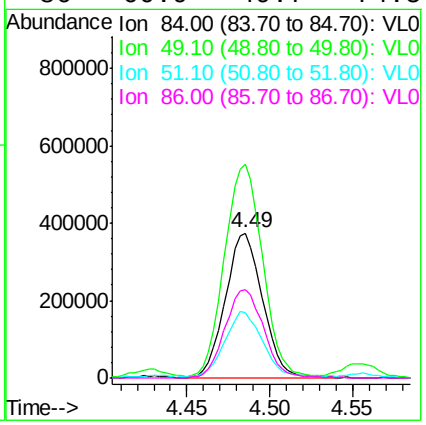


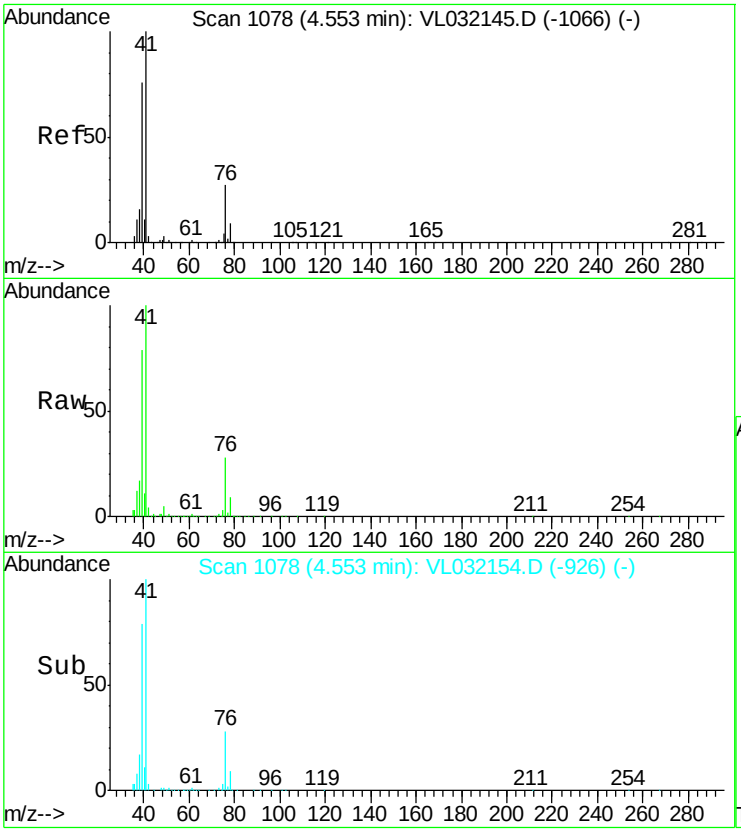


#20
Methylene Chloride
Concen: 8.540 ppbv
RT: 4.49 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 84 Resp: 582644

Ion	Ratio	Lower	Upper
84	100		
49	147.1	119.6	179.4
51	44.8	36.3	54.5
86	60.9	49.7	74.5



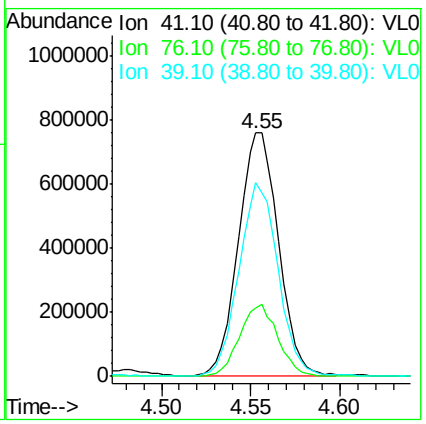


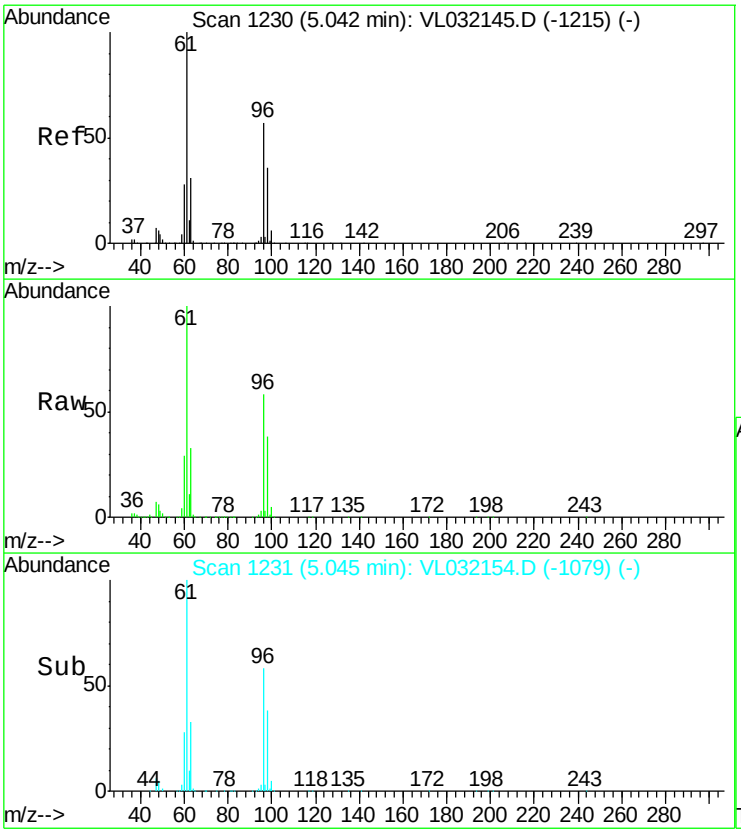
#21
Allyl Chloride
Concen: 9.243 ppbv
RT: 4.55 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 41 Resp: 1178418

Ion	Ratio	Lower	Upper
41	100		
76	28.7	22.5	33.7
39	78.5	60.5	90.7

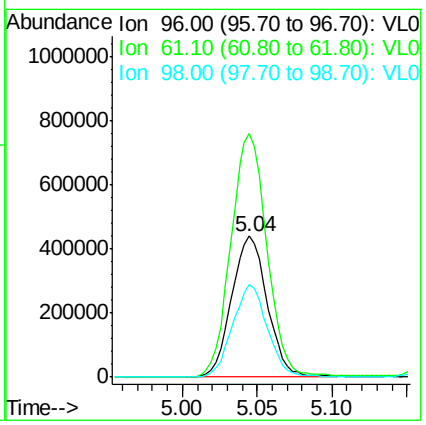


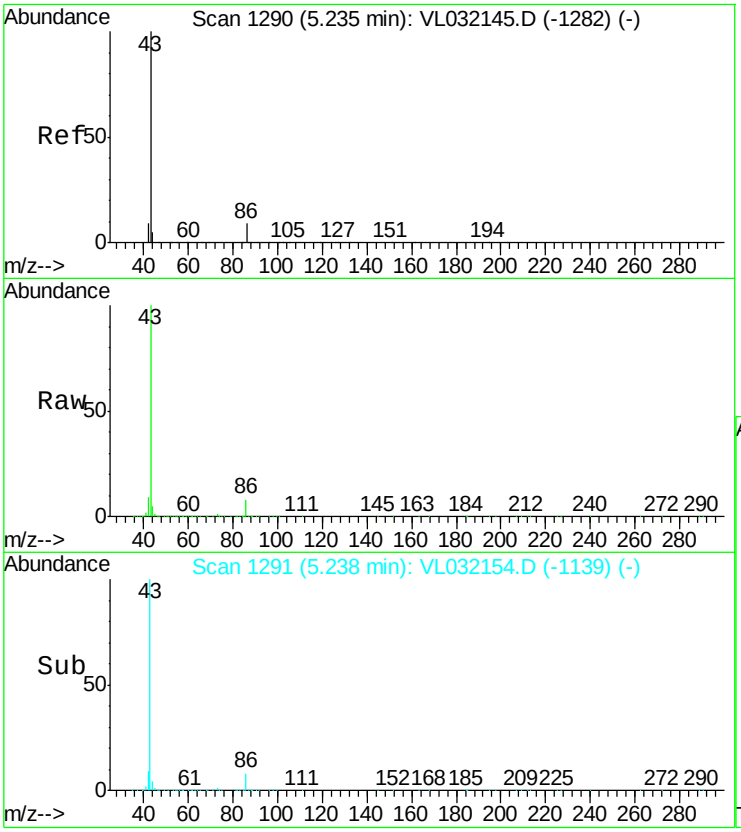


#22
trans-1,2-Dichloroethene
Concen: 9.575 ppbv
RT: 5.04 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 96 Resp: 725354

Ion	Ratio	Lower	Upper
96	100		
61	172.9	135.2	202.8
98	65.8	49.7	74.5



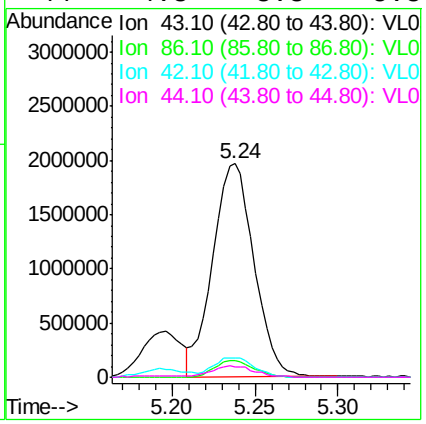


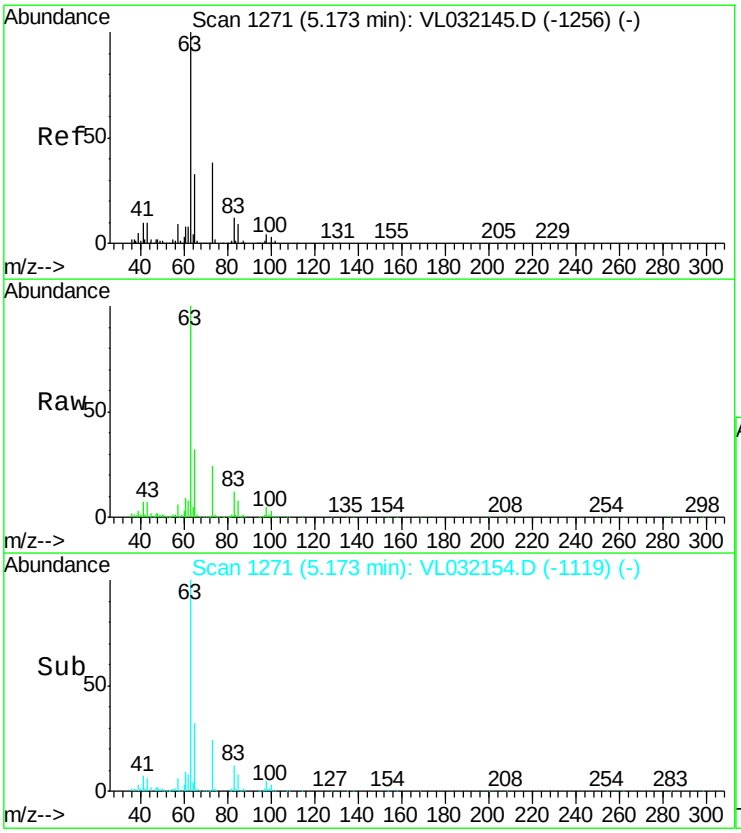
#23
Vinyl Acetate
Concen: 10.057 ppbv
RT: 5.24 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 43 Resp: 3404832

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.4
42	9.2	6.9	10.3
44	4.8	3.8	5.8

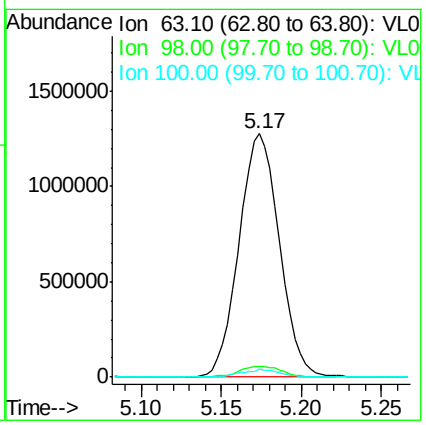


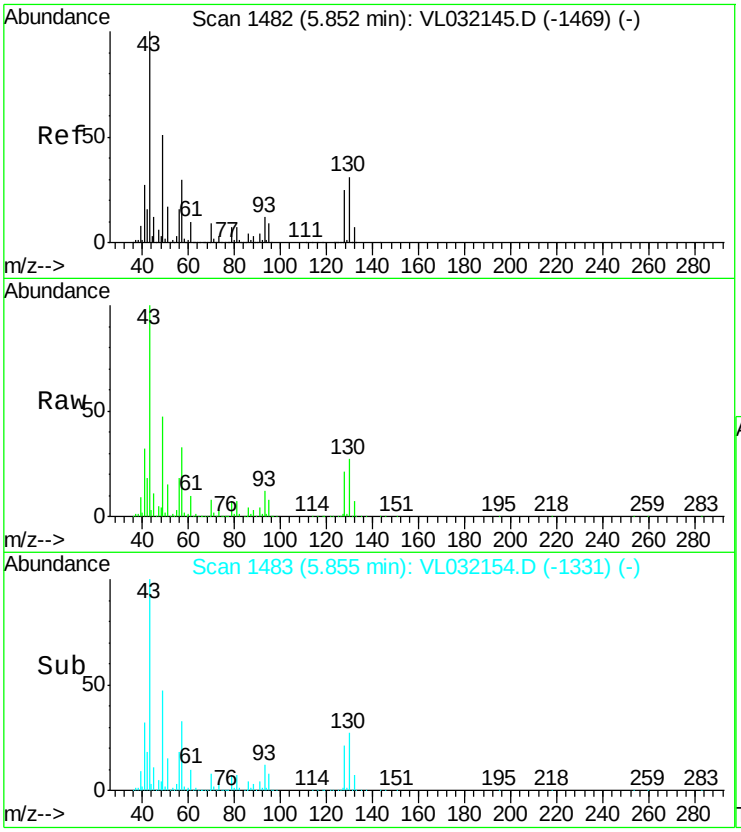


#24
1,1-Dichloroethane
Concen: 10.113 ppbv
RT: 5.17 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 63 Resp: 2193275

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.2
100	3.3	1.7	5.0



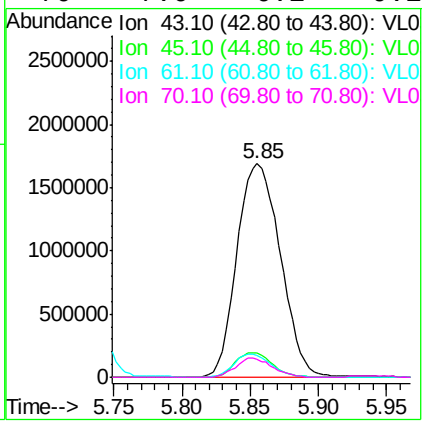


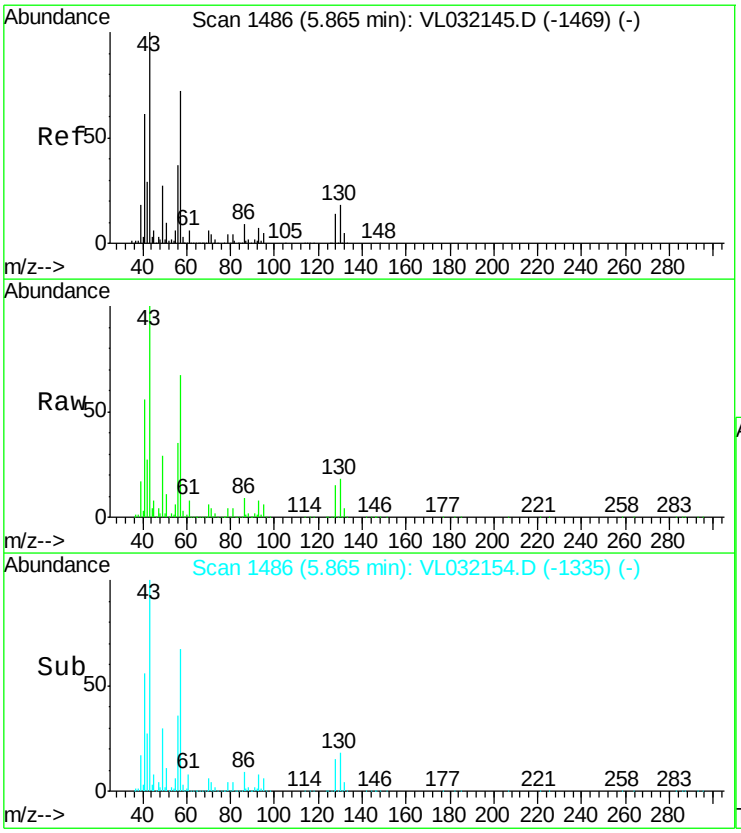
#25
Ethyl Acetate
Concen: 9.661 ppbv
RT: 5.85 min Scan# 1483
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion: 43 Resp: 3731792

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.8	11.8
61	9.6	7.4	11.0
70	7.6	6.1	9.1

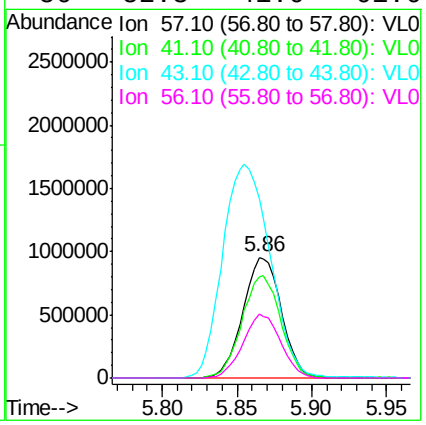


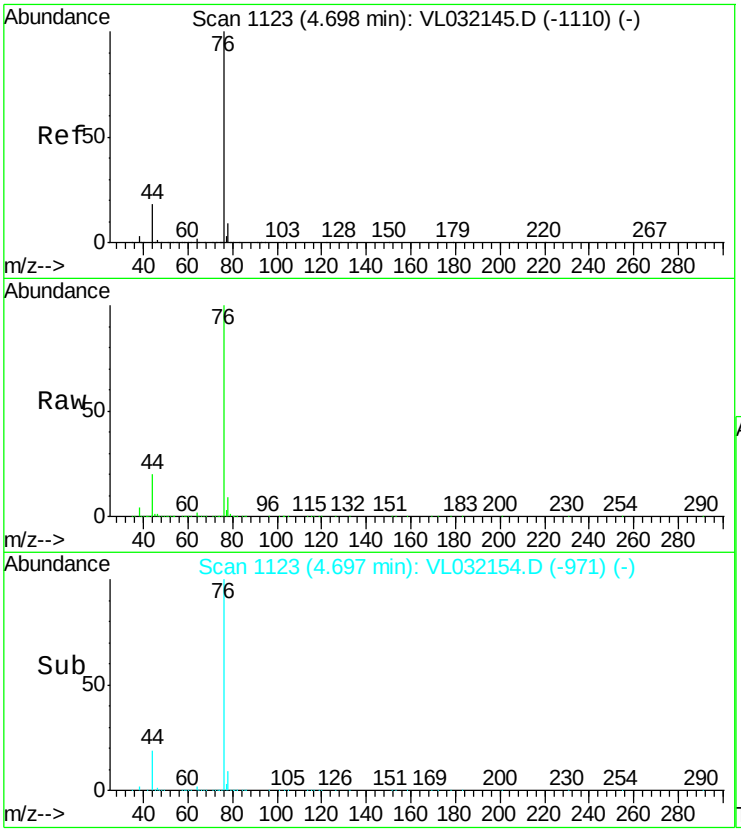


#26
Hexane
Concen: 9.578 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 57 Resp: 1703745

Ion	Ratio	Lower	Upper
57	100		
41	86.0	68.6	103.0
43	220.4	168.6	252.8
56	52.3	41.0	61.6



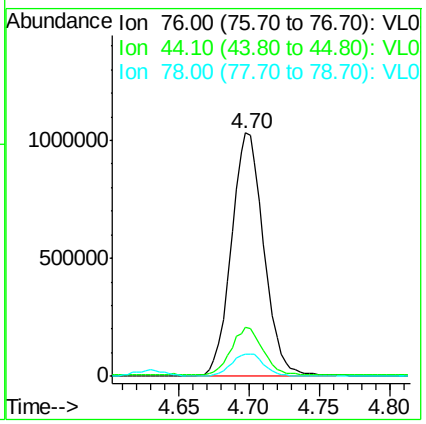


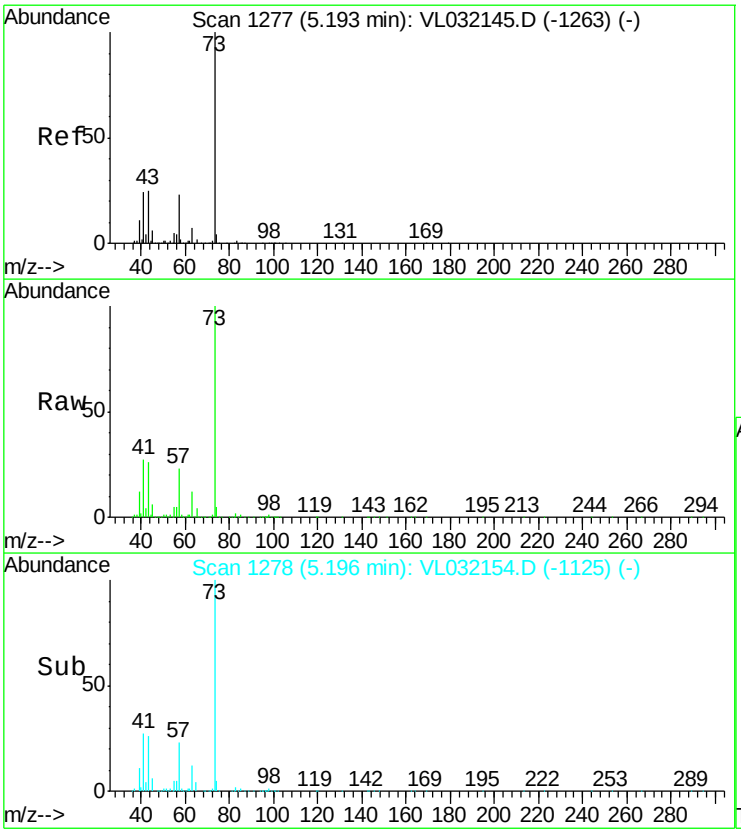
#27
Carbon Disulfide
Concen: 9.415 ppbv
RT: 4.70 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 76 Resp: 1664906

Ion	Ratio	Lower	Upper
76	100		
44	18.9	15.1	22.7
78	9.7	7.2	10.8

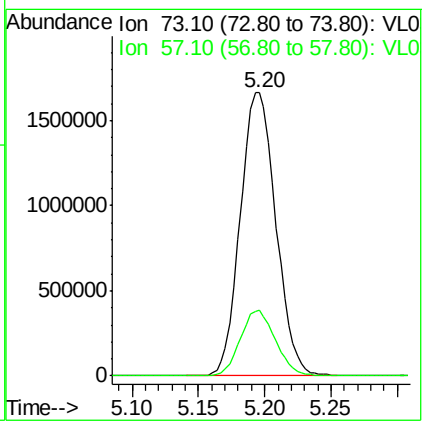


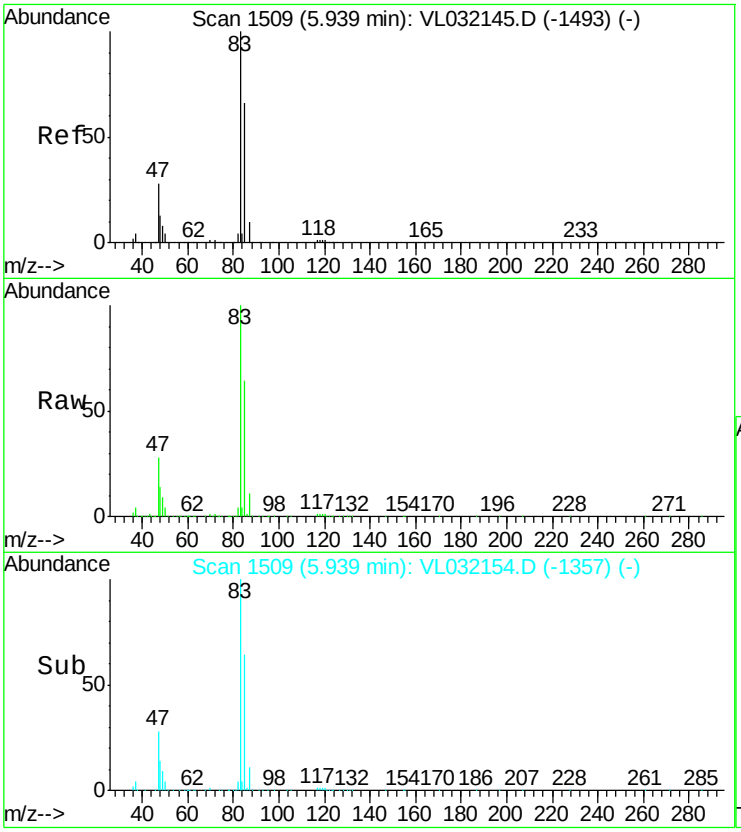


#28
Methyl tert-Butyl Ether
Concen: 9.884 ppbv
RT: 5.20 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 73 Resp: 3107279

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.6	27.8



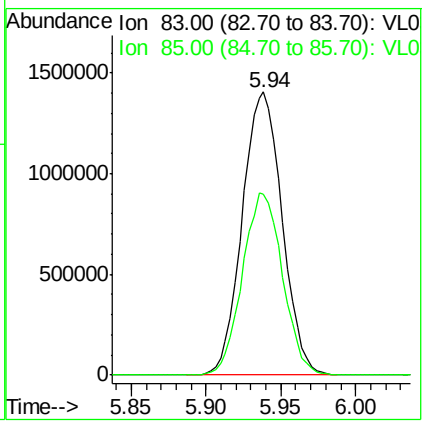


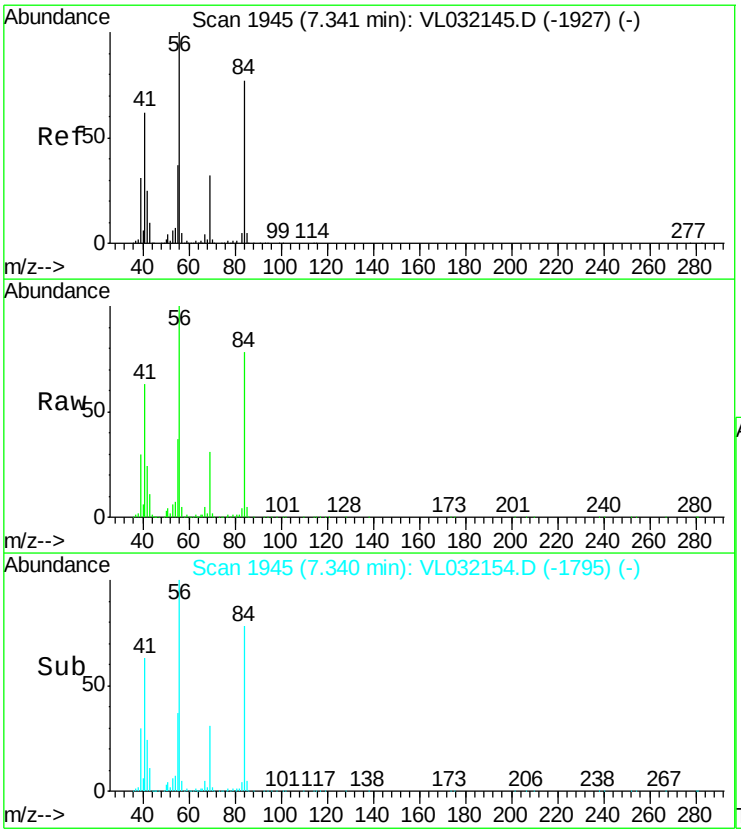
#29
Chloroform
Concen: 10.068 ppbv
RT: 5.94 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion: 83 Resp: 2606944

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4

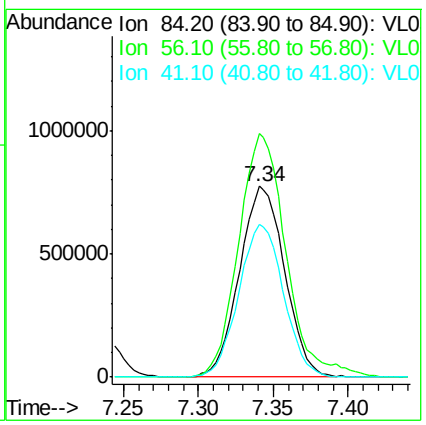


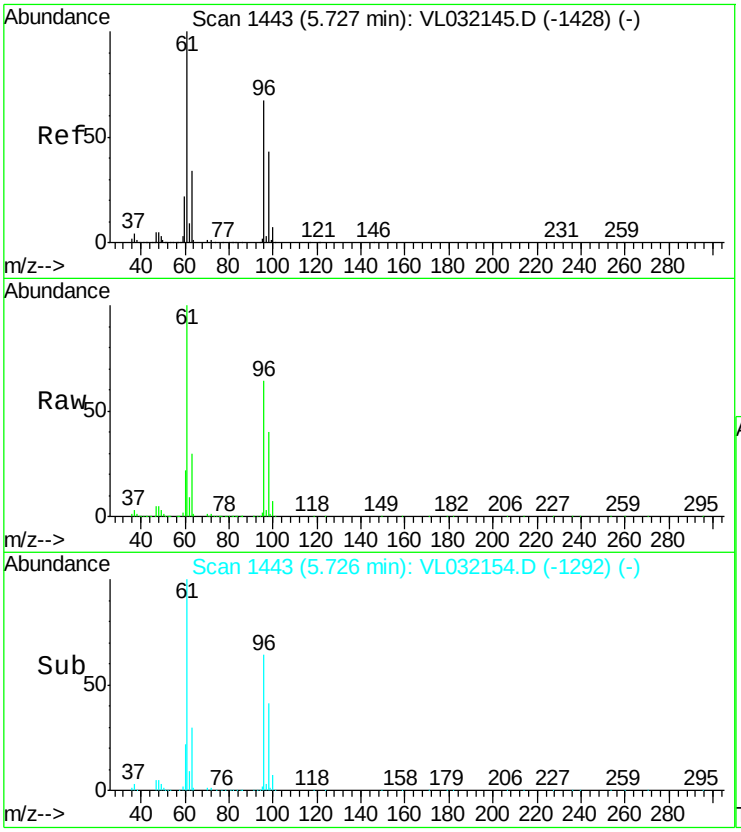


#30
Cyclohexane
Concen: 9.691 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 84 Resp: 1624696

Ion	Ratio	Lower	Upper
84	100		
56	134.0	109.1	163.7
41	79.5	64.6	96.8



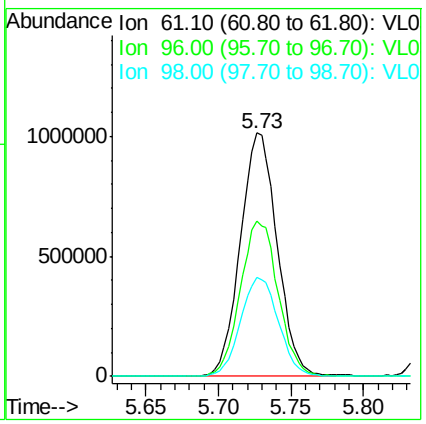


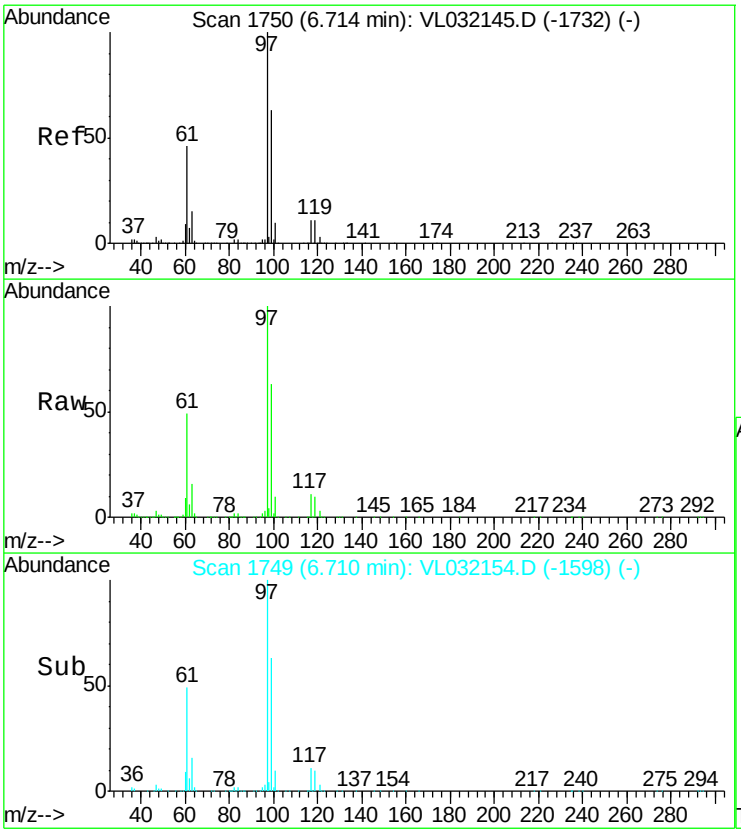
#31
cis-1,2-Dichloroethene
Concen: 10.074 ppbv
RT: 5.73 min Scan# 1443
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 61 Resp: 1790823

Ion	Ratio	Lower	Upper
61	100		
96	63.9	54.2	81.4
98	40.5	34.6	52.0

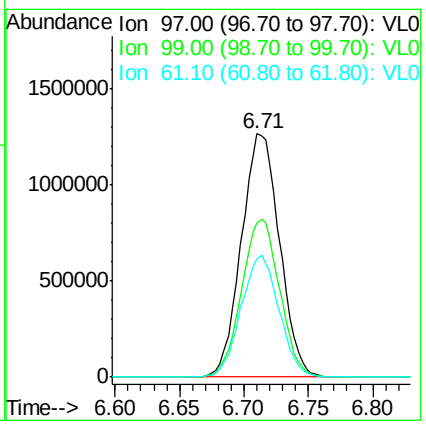


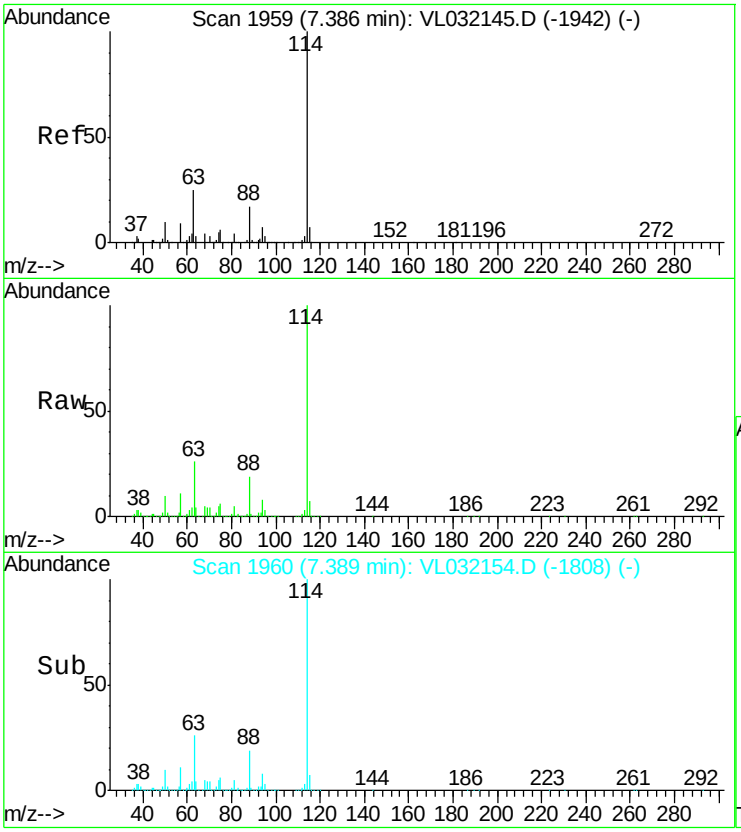


#32
1,1,1-Trichloroethane
Concen: 9.625 ppbv
RT: 6.71 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 97 Resp: 2612370

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	49.9	38.4	57.6



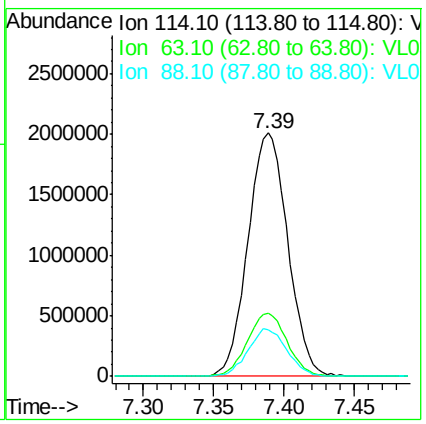


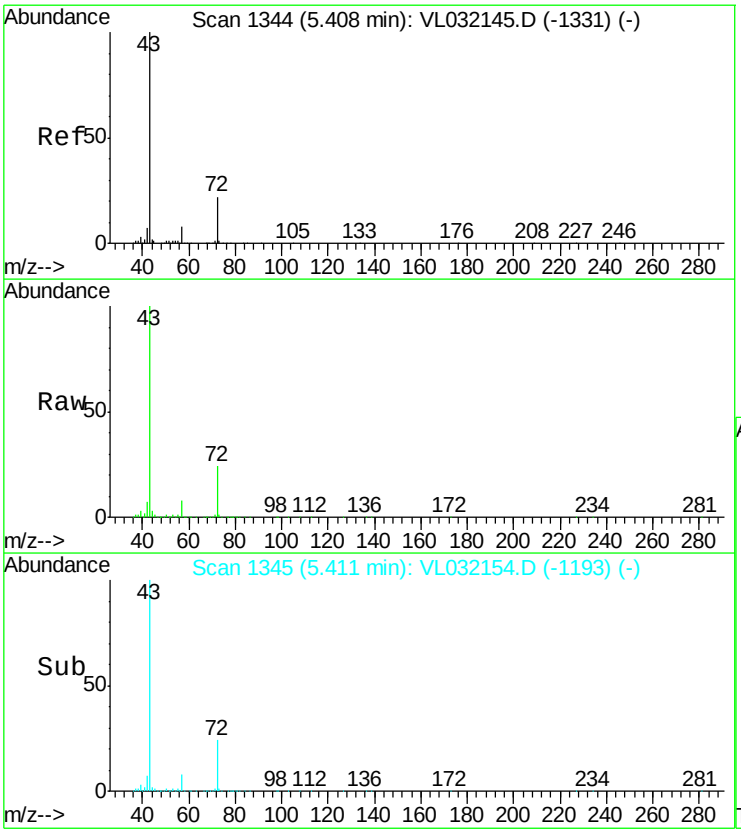
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.39 min Scan# 1960
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion:114 Resp: 3970112

Ion	Ratio	Lower	Upper
114	100		
63	26.4	19.1	28.7
88	19.0	13.9	20.9

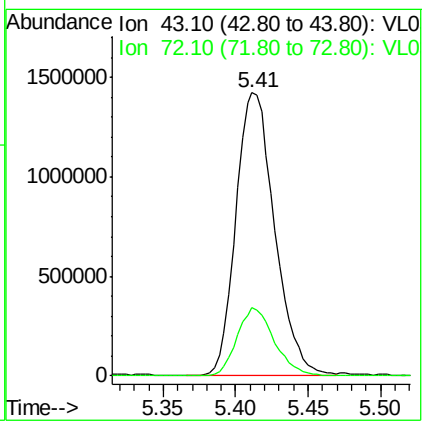


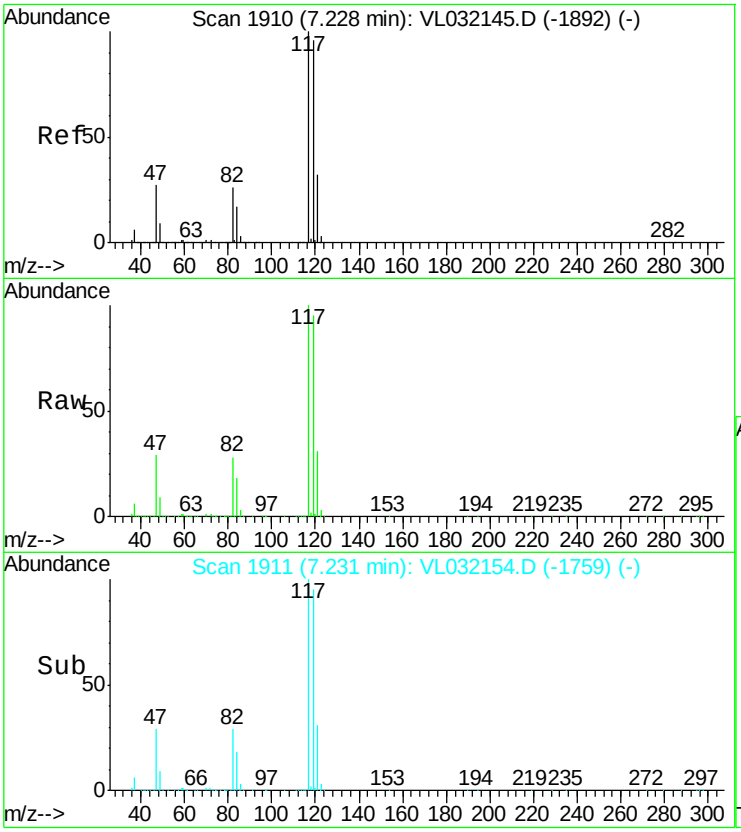


#34
2-Butanone
Concen: 10.438 ppbv
RT: 5.41 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 43 Resp: 2630211

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.4	27.6



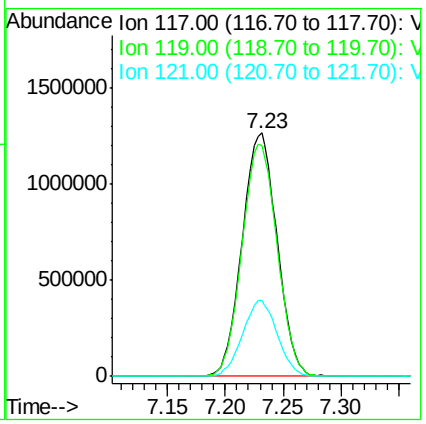


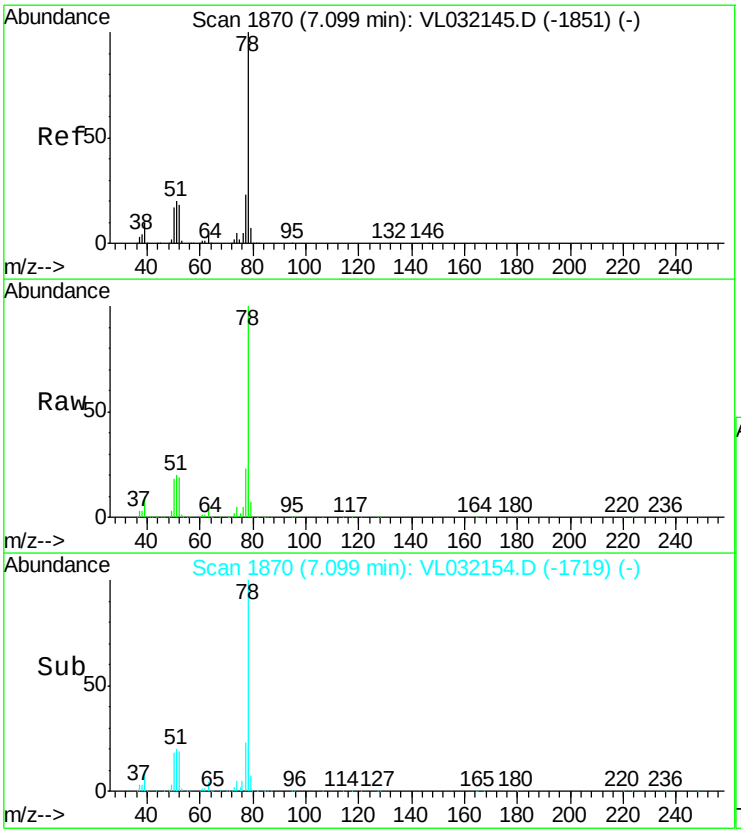
#35
Carbon Tetrachloride
Concen: 9.790 ppbv
RT: 7.23 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion:117 Resp: 2660454

Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.8	112.2
121	31.1	24.0	36.0

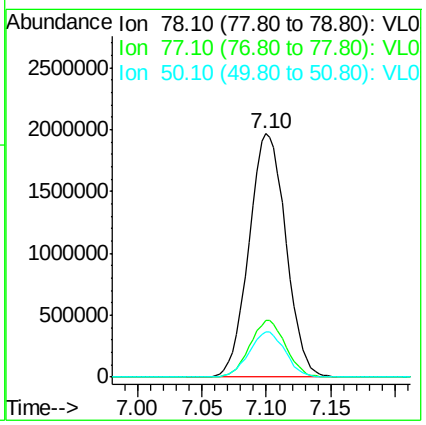


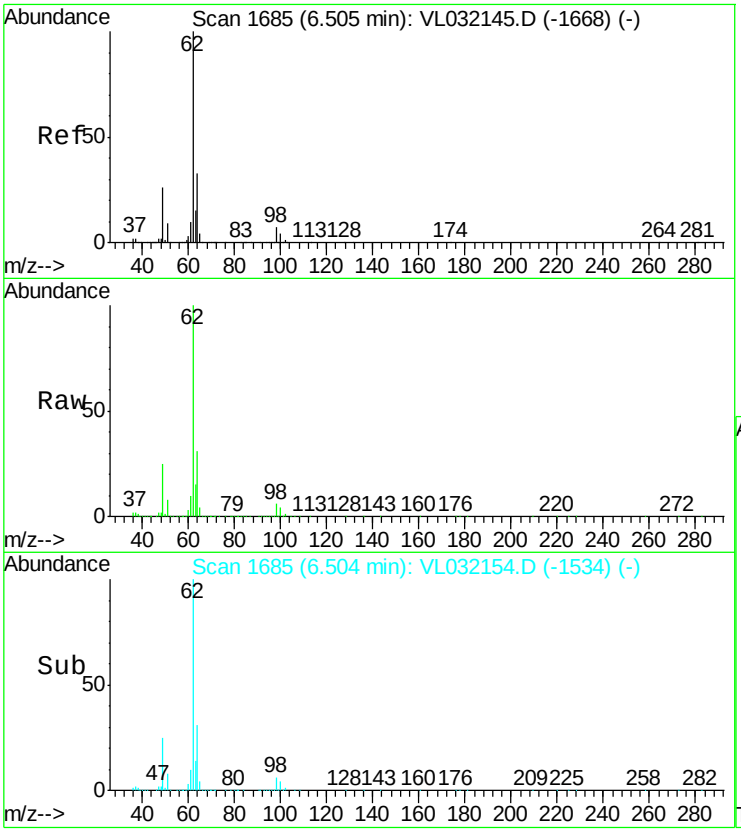


#36
Benzene
Concen: 10.201 ppbv
RT: 7.10 min Scan# 1870
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 78 Resp: 3919643

Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.7	26.5
50	18.4	14.0	21.0



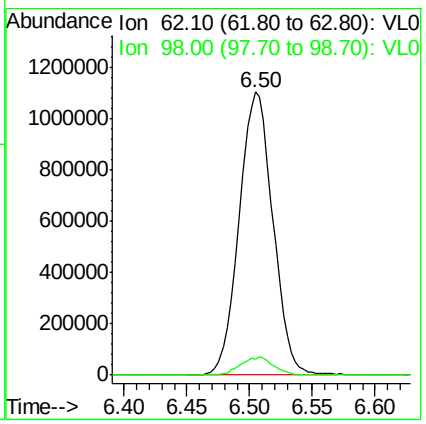


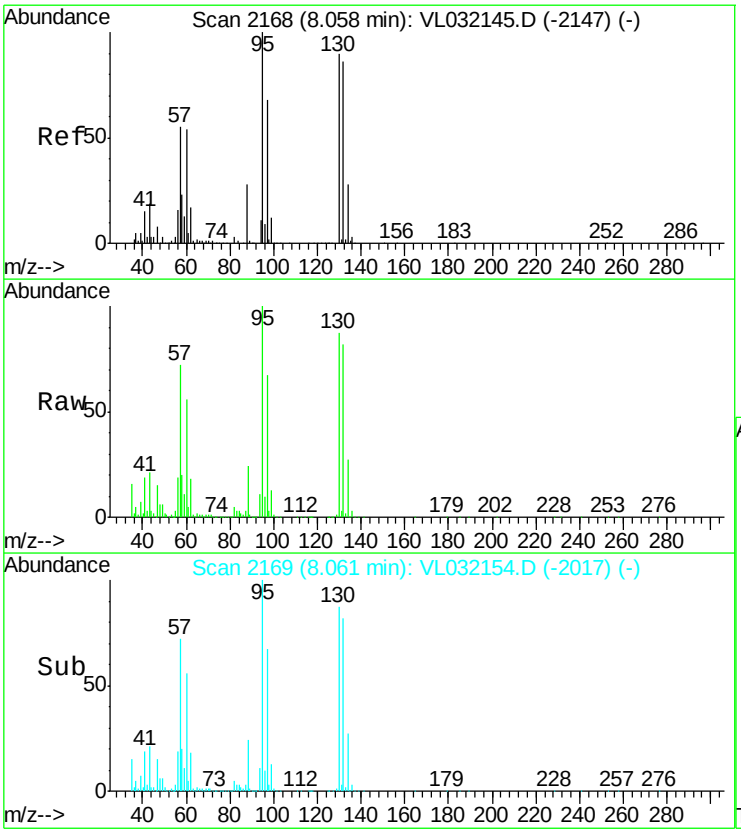
#37
1,2-Dichloroethane
Concen: 10.785 ppbv
RT: 6.50 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion: 62 Resp: 2064704

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.8	8.6

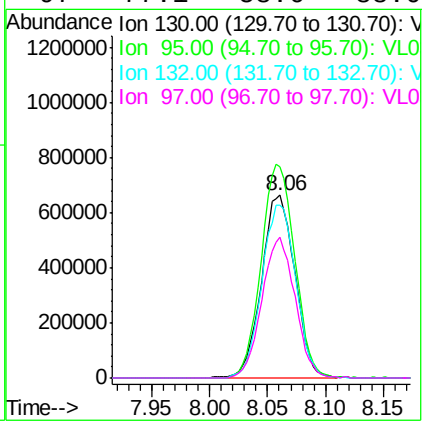


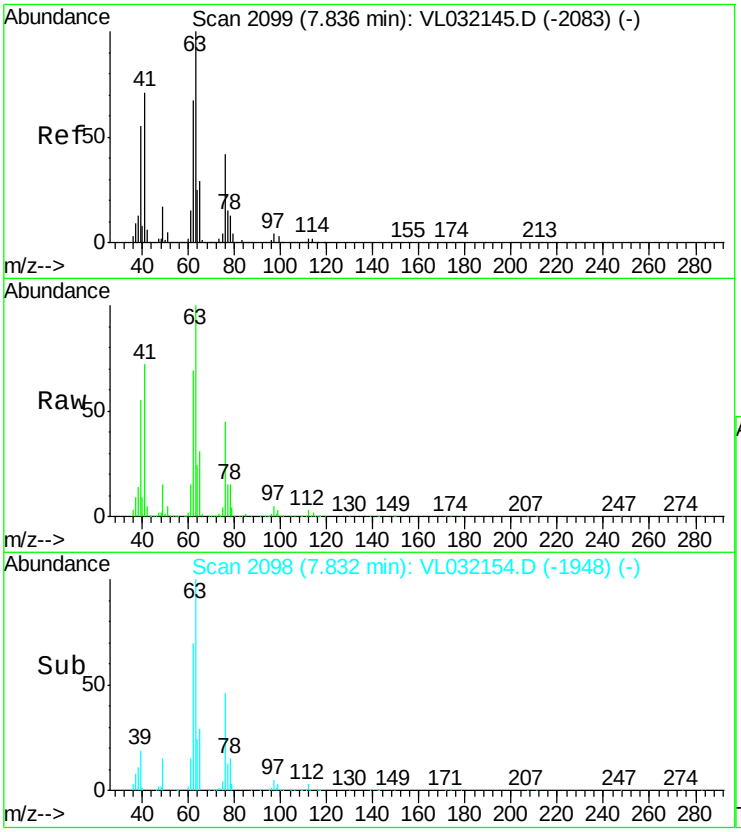


#38
Trichloroethene
Concen: 8.830 ppbv
RT: 8.06 min Scan# 2169
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:130 Resp: 1325546

Ion	Ratio	Lower	Upper
130	100		
95	115.5	88.1	132.1
132	94.7	74.6	112.0
97	77.1	58.6	88.0



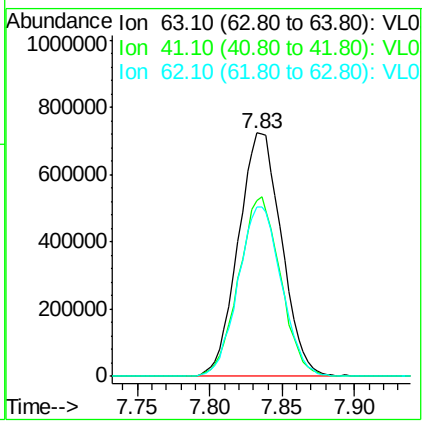


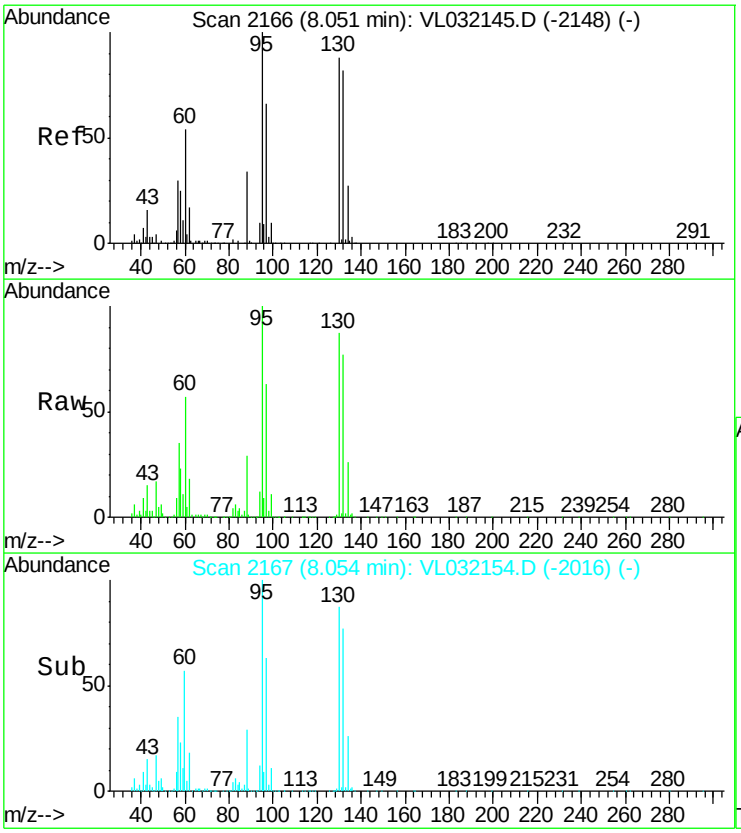
#39
1,2-Dichloropropane
Concen: 9.917 ppbv
RT: 7.83 min Scan# 2098
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 63 Resp: 1502931

Ion	Ratio	Lower	Upper
63	100		
41	72.0	53.3	79.9
62	69.5	54.8	82.2

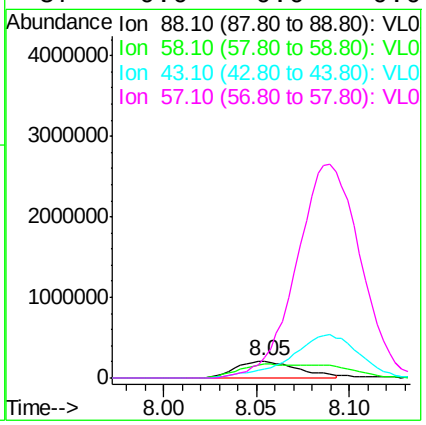


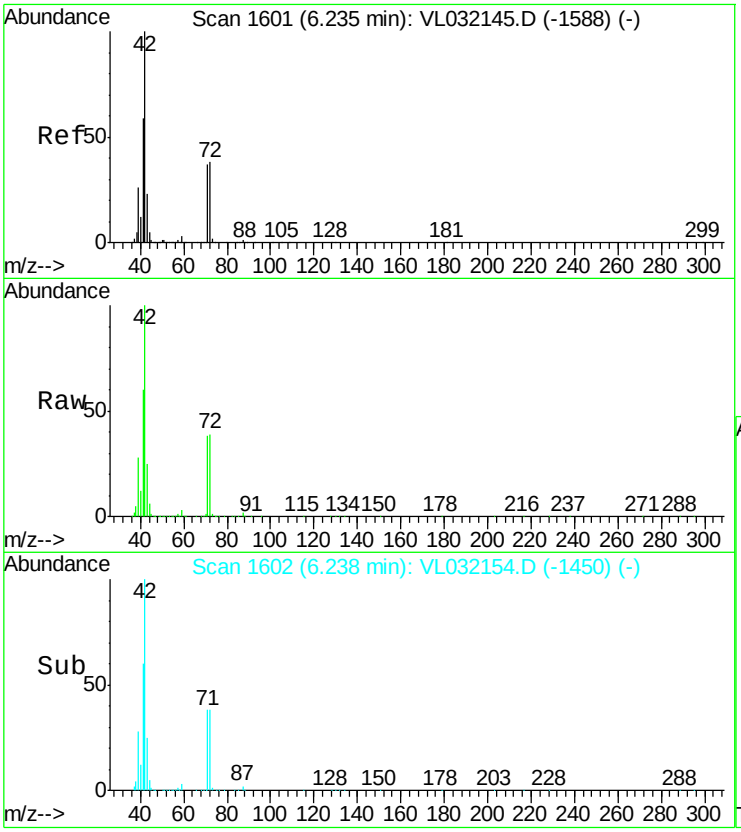


#40
1,4-Dioxane
Concen: 8.154 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 88 Resp: 484597

Ion	Ratio	Lower	Upper
88	100		
58	142.5	47.4	71.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



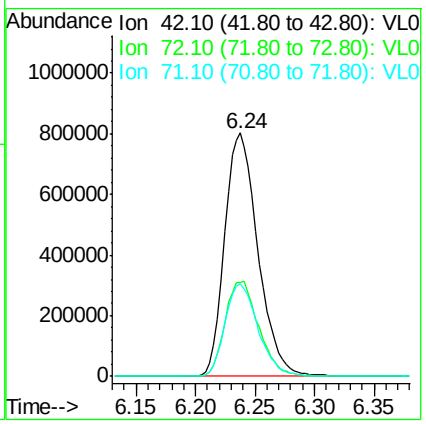


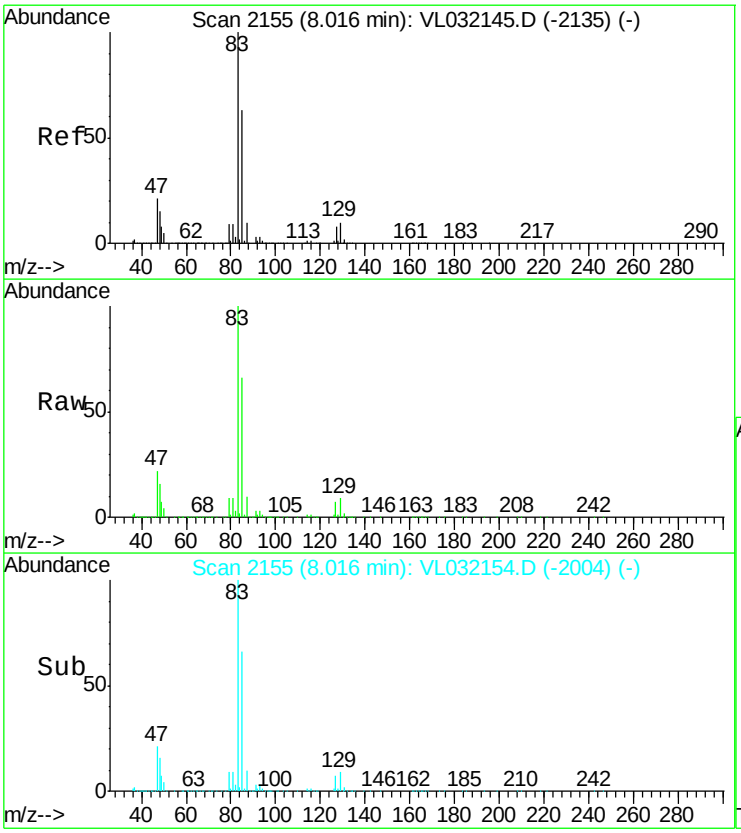
#41
Tetrahydrofuran
Concen: 10.271 ppbv
RT: 6.24 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 42 Resp: 1551492

Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.1	46.7
71	38.1	29.5	44.3

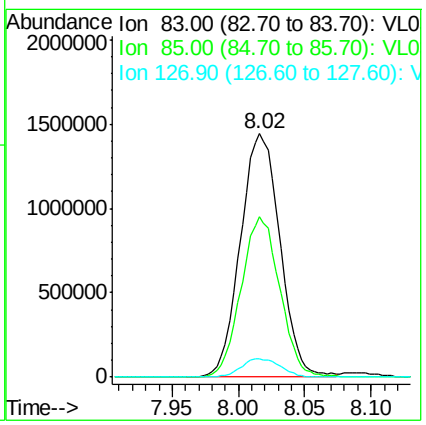


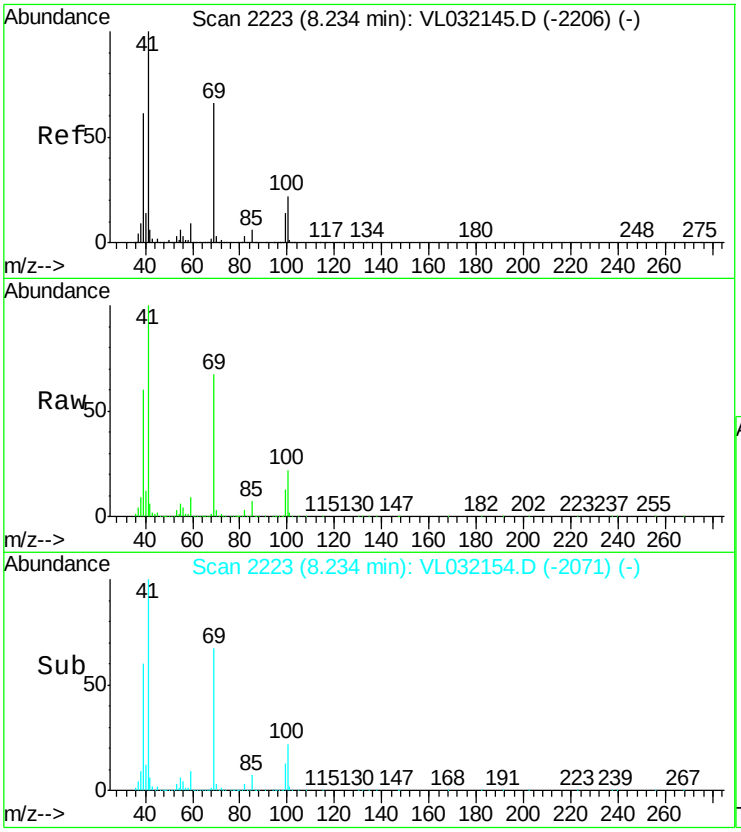


#42
Bromodichloromethane
Concen: 9.989 ppbv
RT: 8.02 min Scan# 2155
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 83 Resp: 2997547

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.6	79.0
127	7.3	6.5	9.7



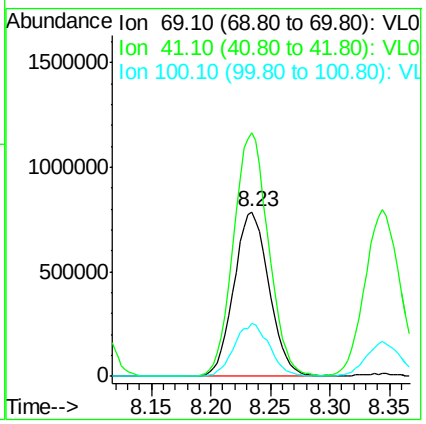


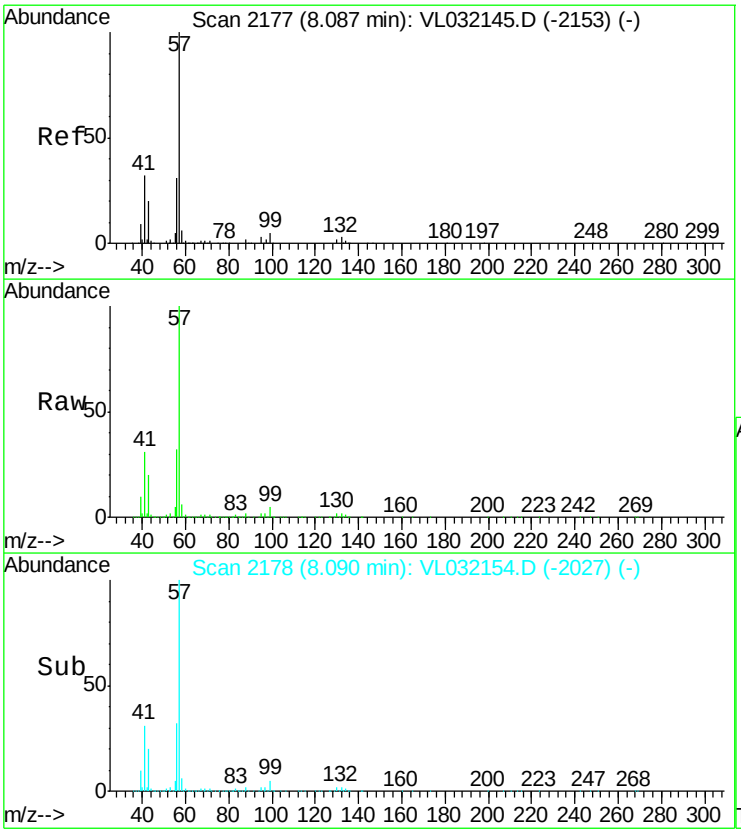
#43
Methyl Methacrylate
Concen: 10.094 ppbv
RT: 8.23 min Scan# 2223
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 69 Resp: 1607700

Ion	Ratio	Lower	Upper
69	100		
41	147.5	118.2	177.4
100	32.3	27.4	41.2

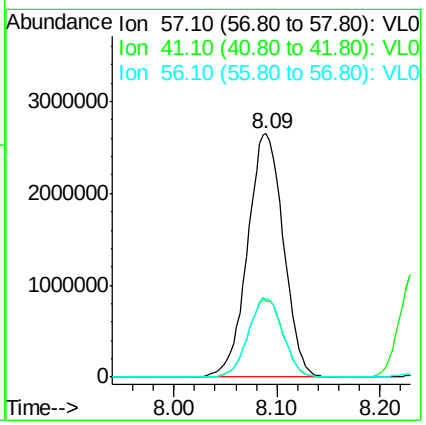


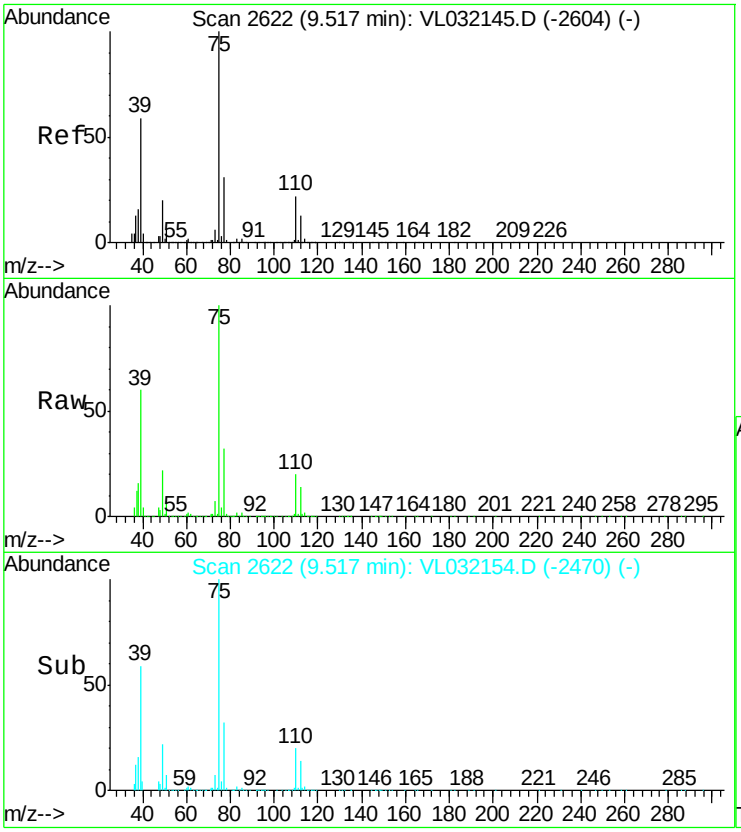


#44
2,2,4-Trimethylpentane
Concen: 9.484 ppbv
RT: 8.09 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 57 Resp: 6376802

Ion	Ratio	Lower	Upper
57	100		
41	31.1	24.3	36.5
56	31.4	25.1	37.7



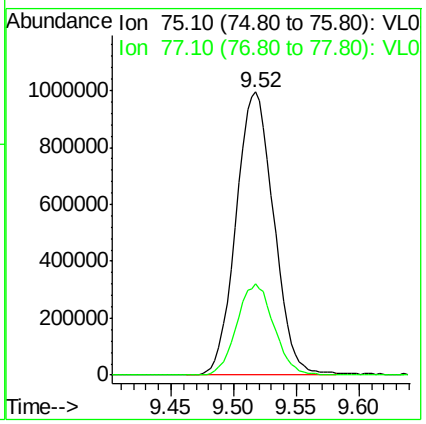


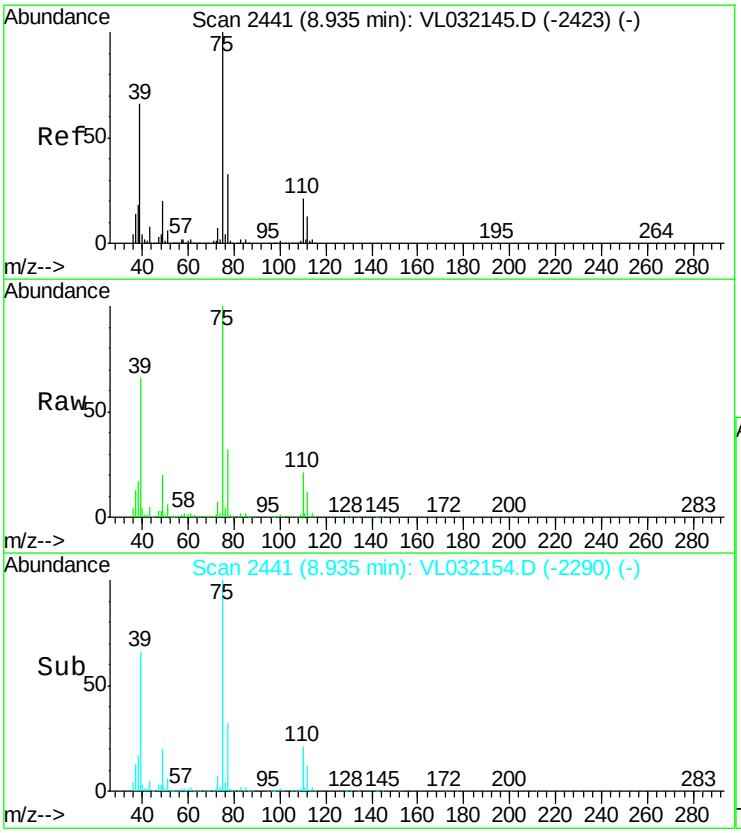
#45
t-1,3-Dichloropropene
Concen: 10.501 ppbv
RT: 9.52 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion: 75 Resp: 2072475

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.6	38.4

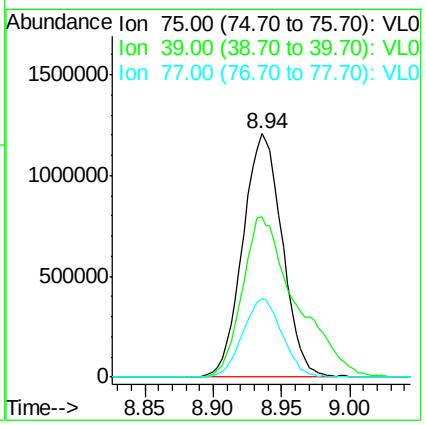


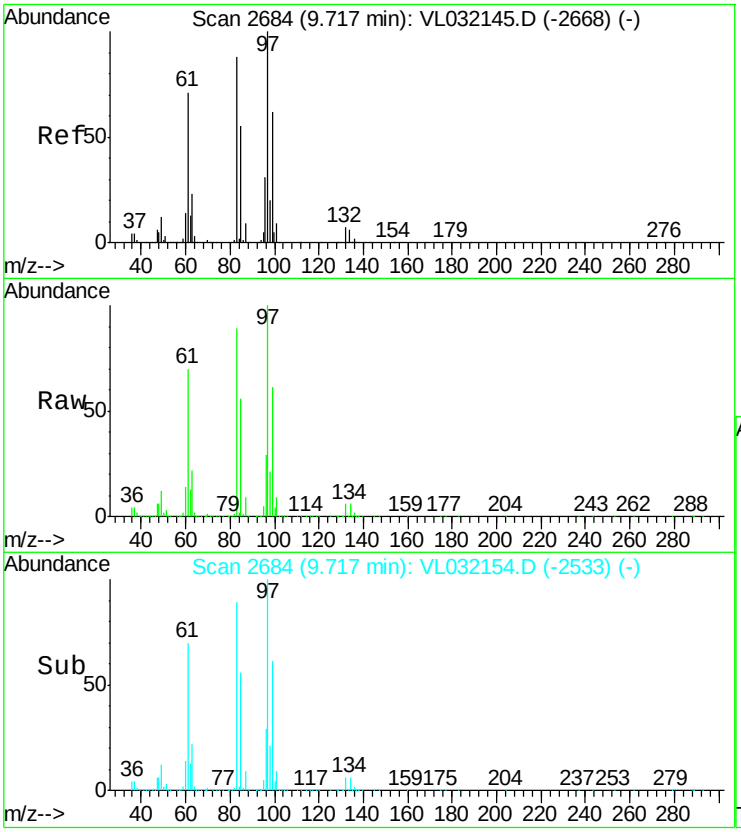


#46
cis-1,3-Dichloropropene
Concen: 10.283 ppbv
RT: 8.94 min Scan# 2441
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 75 Resp: 2423024

Ion	Ratio	Lower	Upper
75	100		
39	65.8	51.9	77.9
77	32.0	24.3	36.5



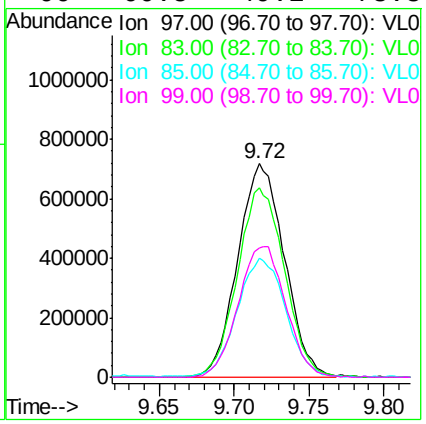


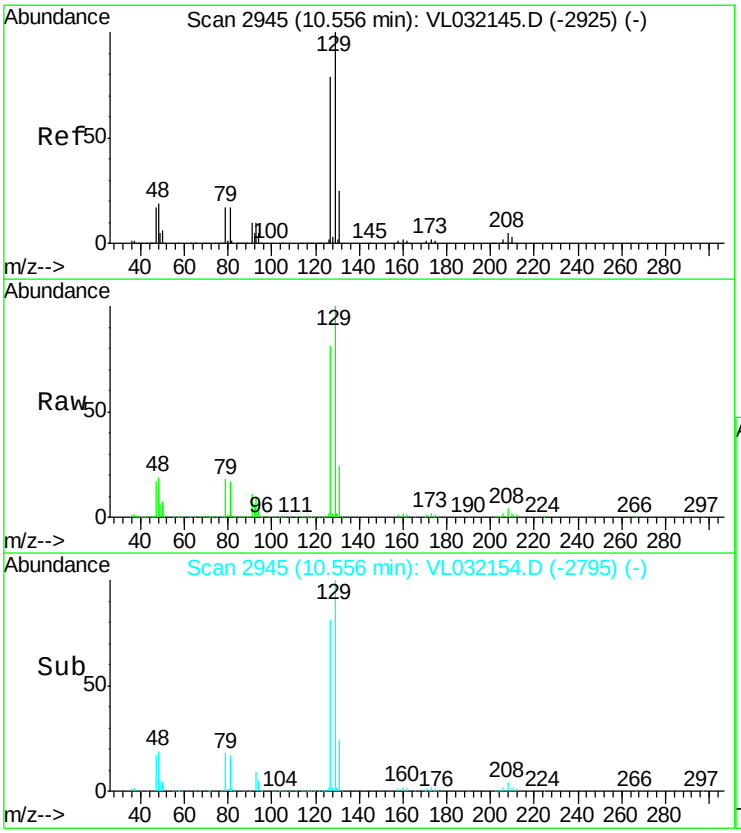
#47
1,1,2-Trichloroethane
Concen: 9.867 ppbv
RT: 9.72 min Scan# 2684
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion: 97 Resp: 1554325

Ion	Ratio	Lower	Upper
97	100		
83	88.4	71.0	106.4
85	55.2	44.2	66.4
99	60.5	49.2	73.8

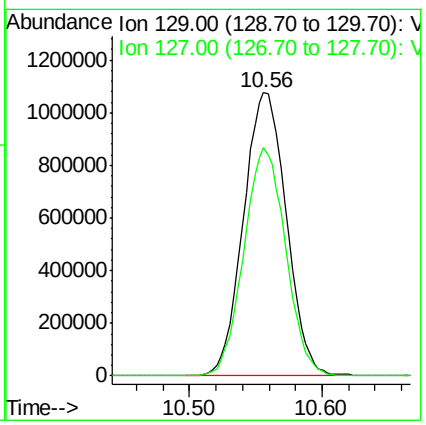


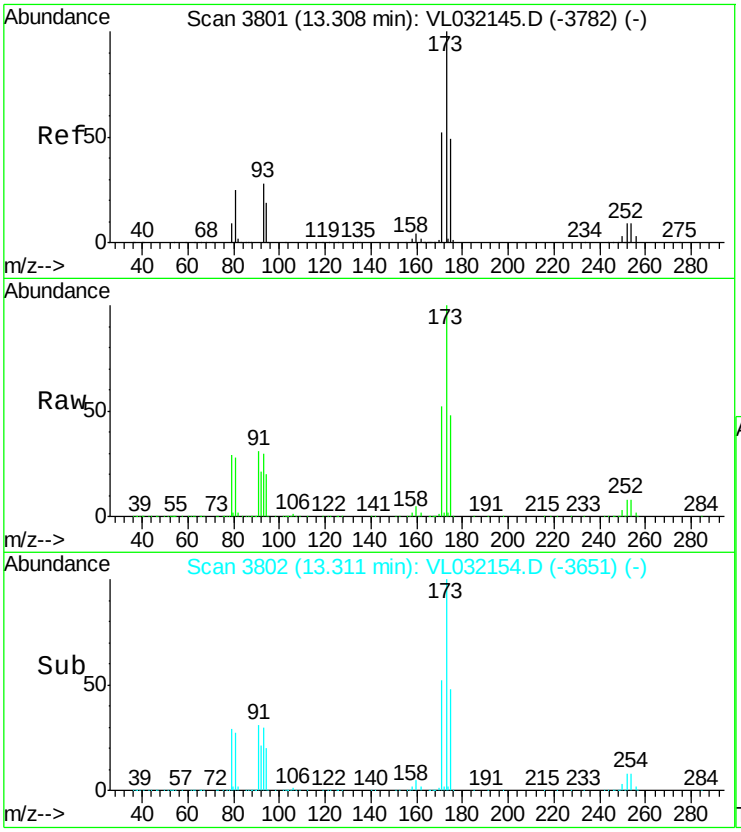


#48
Dibromochloromethane
Concen: 9.948 ppbv
RT: 10.56 min Scan# 2945
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:129 Resp: 2425877

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.5



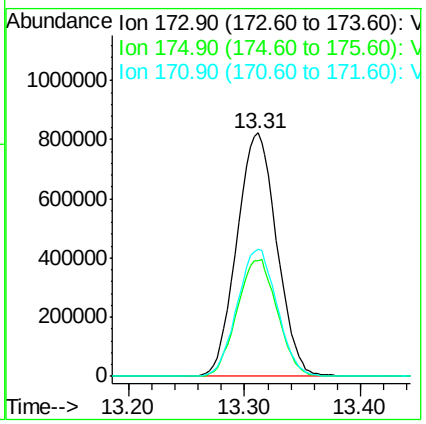


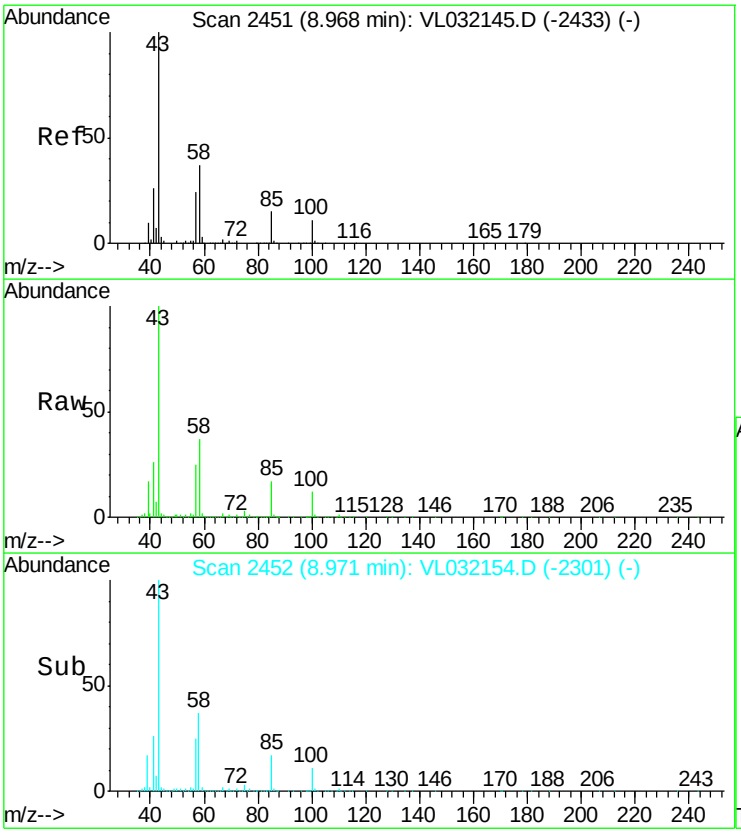
#49
Bromoform
Concen: 9.655 ppbv
RT: 13.31 min Scan# 3802
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion:173 Resp: 1971515

Ion	Ratio	Lower	Upper
173	100		
175	48.3	39.4	59.0
171	52.0	41.8	62.8

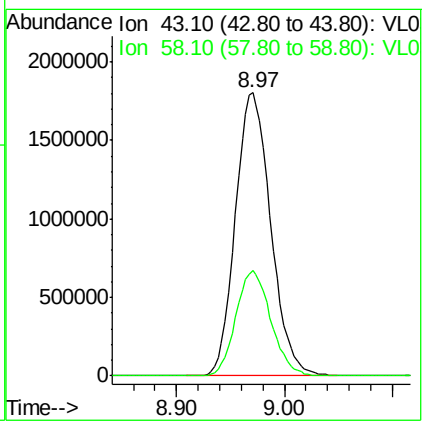


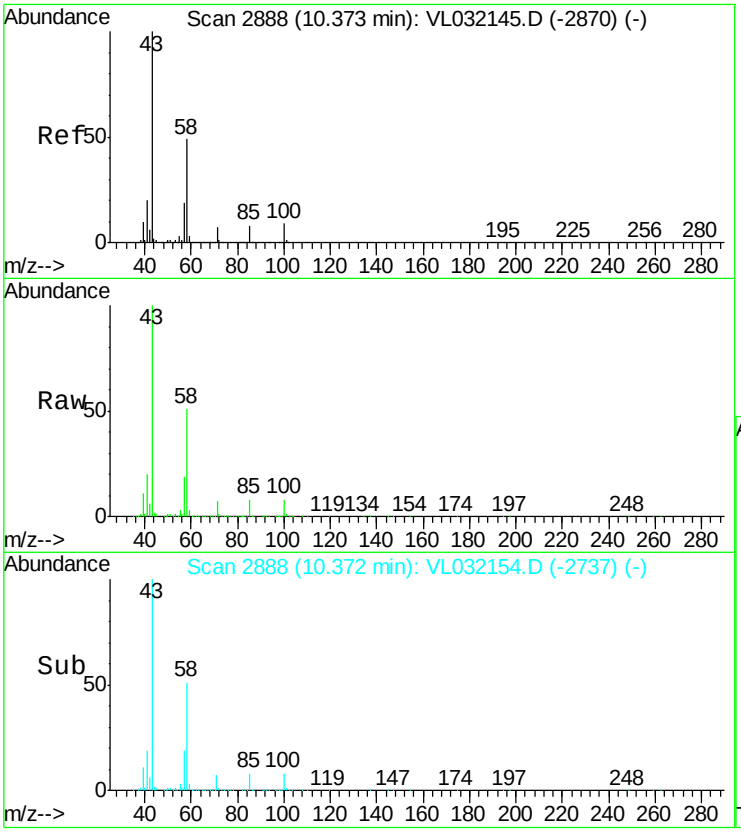


#50
4-Methyl-2-Pentanone
Concen: 9.970 ppbv
RT: 8.97 min Scan# 2452
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 43 Resp: 4115663

Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.8	44.6



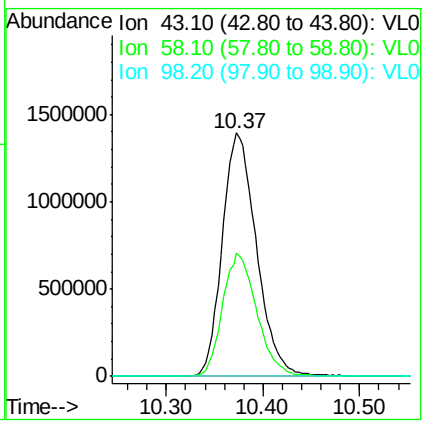


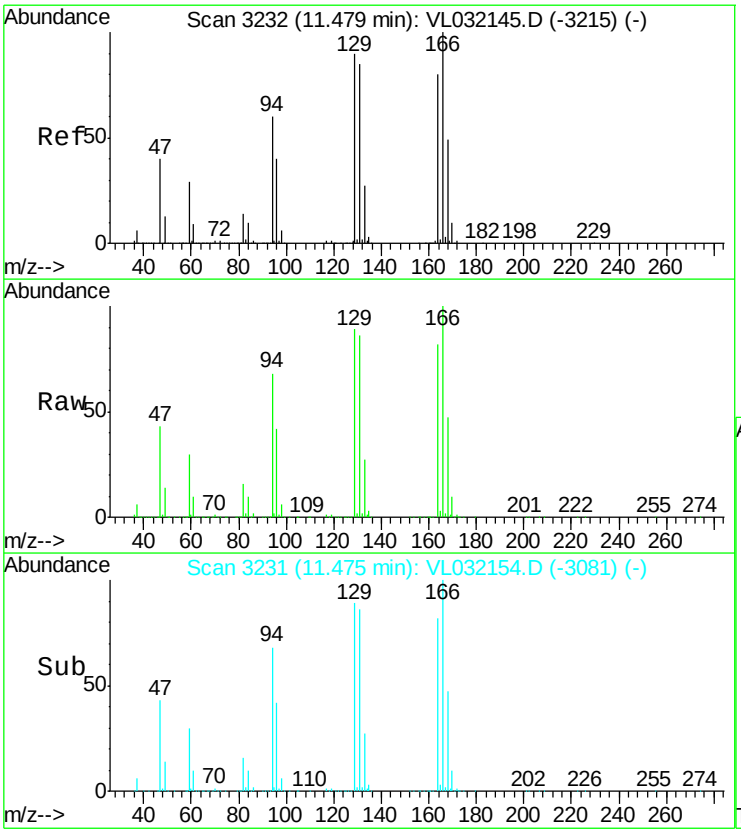
#51
2-Hexanone
Concen: 10.005 ppbv
RT: 10.37 min Scan# 2888
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 43 Resp: 3423484

Ion	Ratio	Lower	Upper
43	100		
58	50.9	40.6	60.8
98	0.1	0.1	0.1

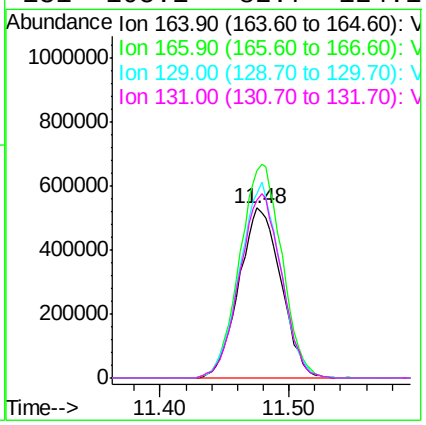


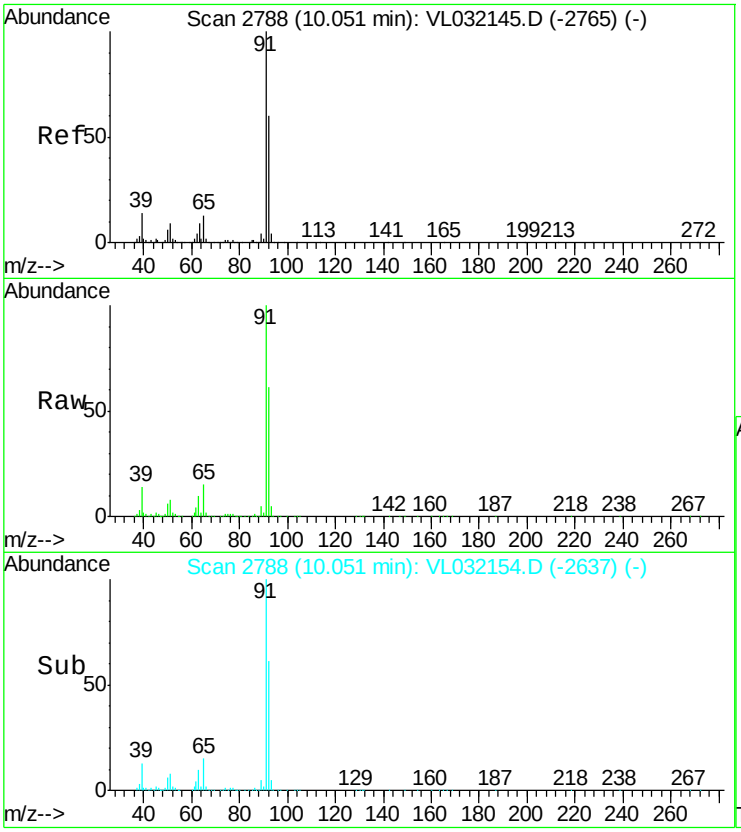


#52
Tetrachloroethene
Concen: 8.599 ppbv
RT: 11.48 min Scan# 3231
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:164 Resp: 1201527

Ion	Ratio	Lower	Upper
164	100		
166	122.1	100.6	151.0
129	108.9	84.0	126.0
131	105.1	82.7	124.1



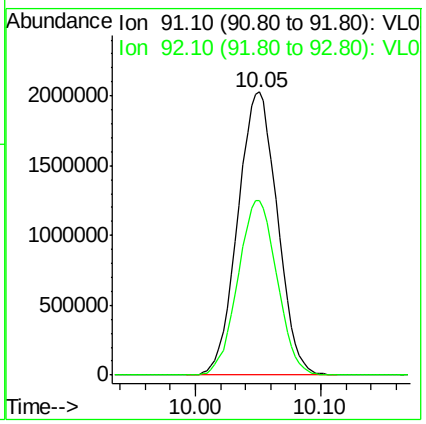


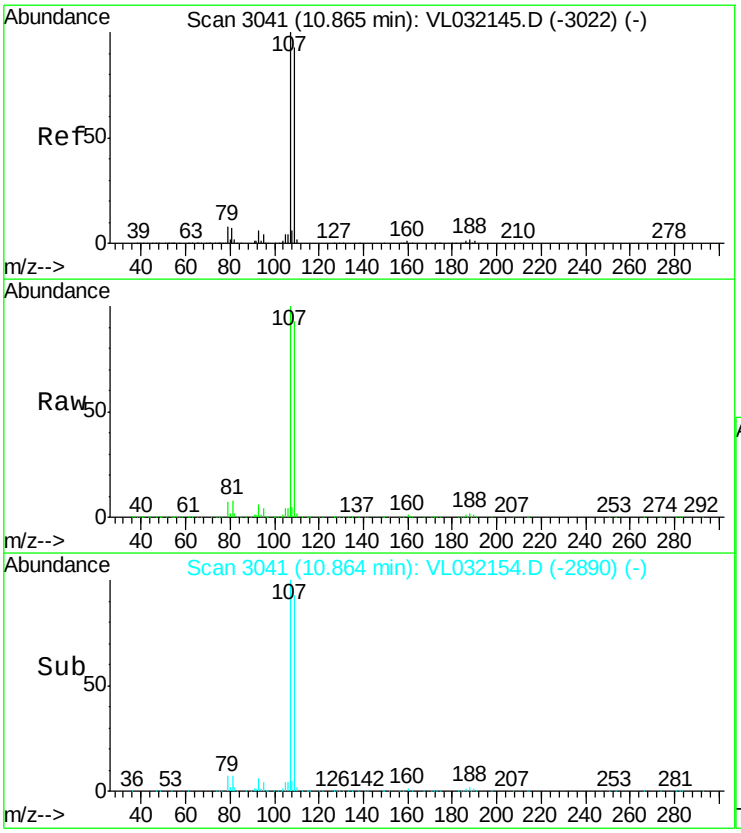
#53
Toluene
Concen: 9.540 ppbv
RT: 10.05 min Scan# 2788
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 91 Resp: 4430716

Ion	Ratio	Lower	Upper
91	100		
92	61.0	49.2	73.8

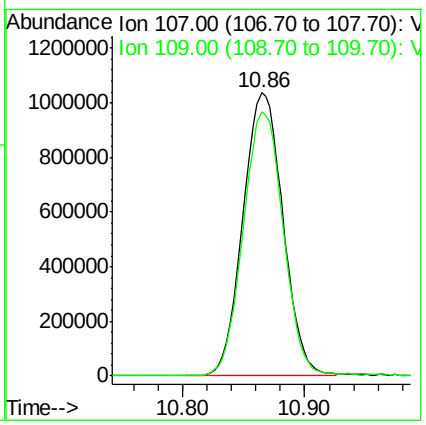


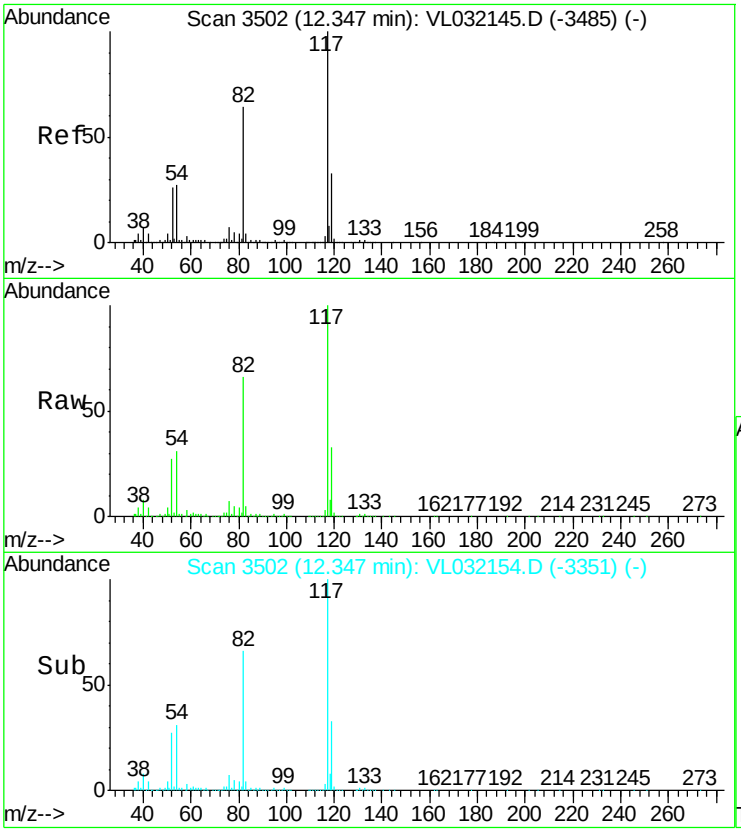


#54
1,2-Dibromoethane
Concen: 9.923 ppbv
RT: 10.86 min Scan# 3041
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:107 Resp: 2349740

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.0	112.4



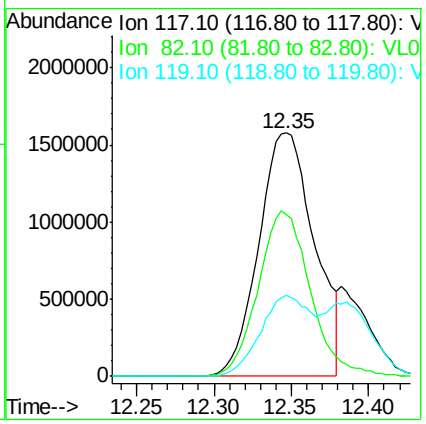


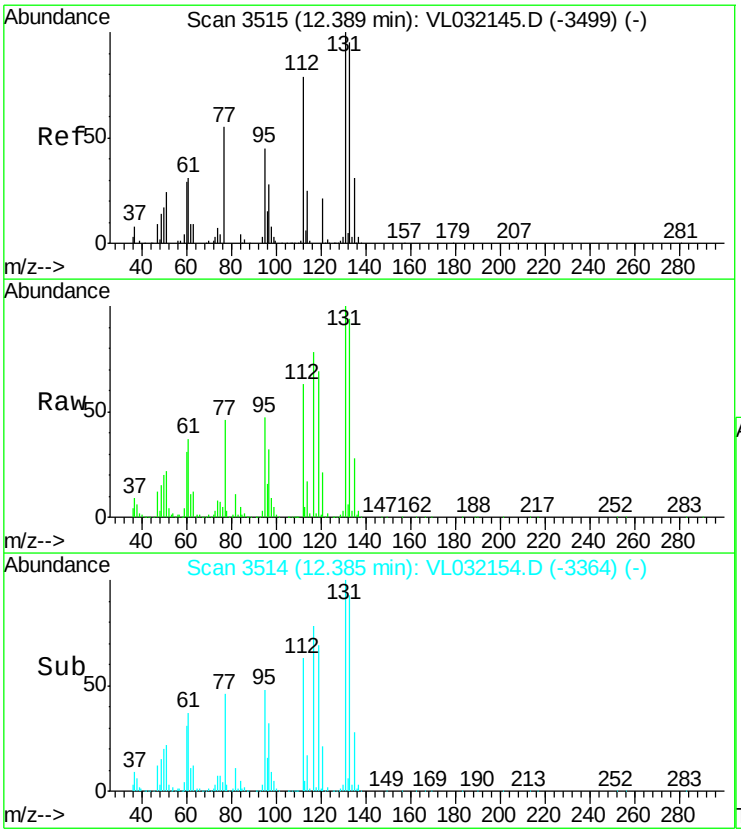
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.35 min Scan# 3502
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion:117 Resp: 3948221

Ion	Ratio	Lower	Upper
117	100		
82	64.0	47.8	71.8
119	29.8	43.3	64.9#

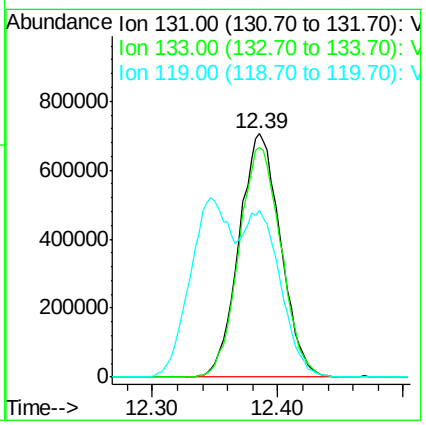


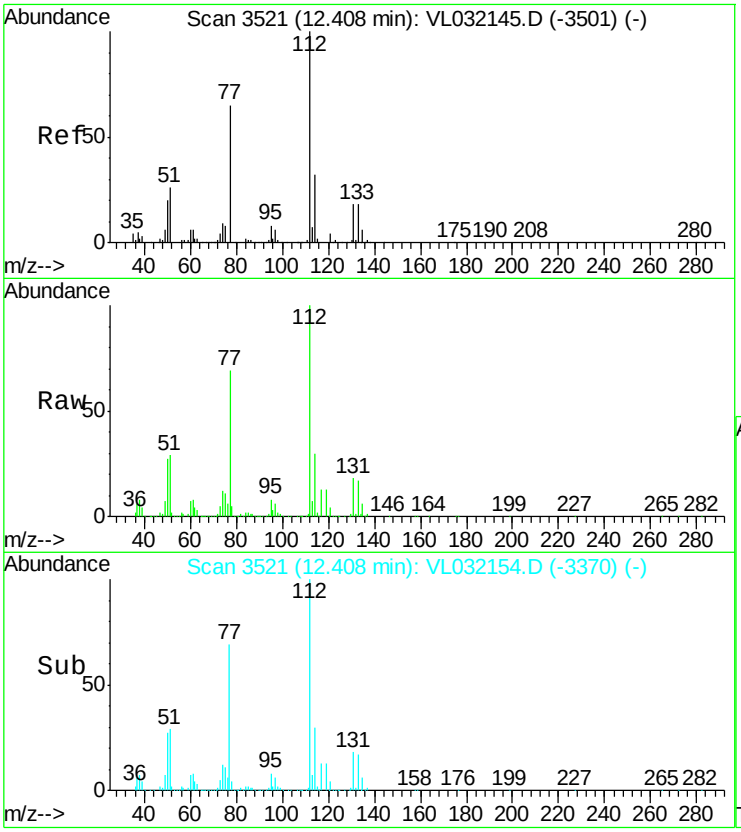


#56
1,1,1,2-Tetrachloroethane
Concen: 9.202 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:131 Resp: 1622153

Ion	Ratio	Lower	Upper
131	100		
133	95.7	75.5	113.3
119	54.9	118.4	177.6#



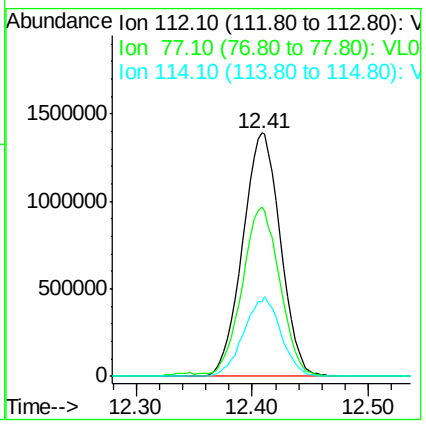


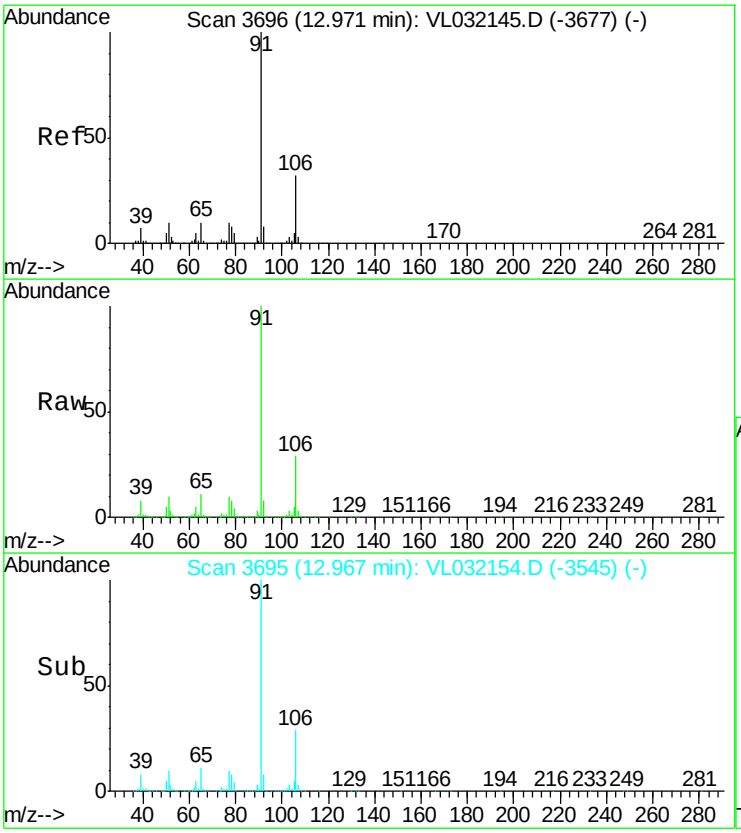
#57
Chlorobenzene
Concen: 9.218 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion:112 Resp: 3152024

Ion	Ratio	Lower	Upper
112	100		
77	69.1	52.6	78.8
114	30.3	27.9	34.1

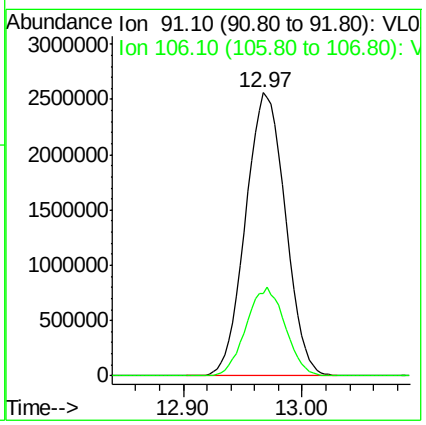


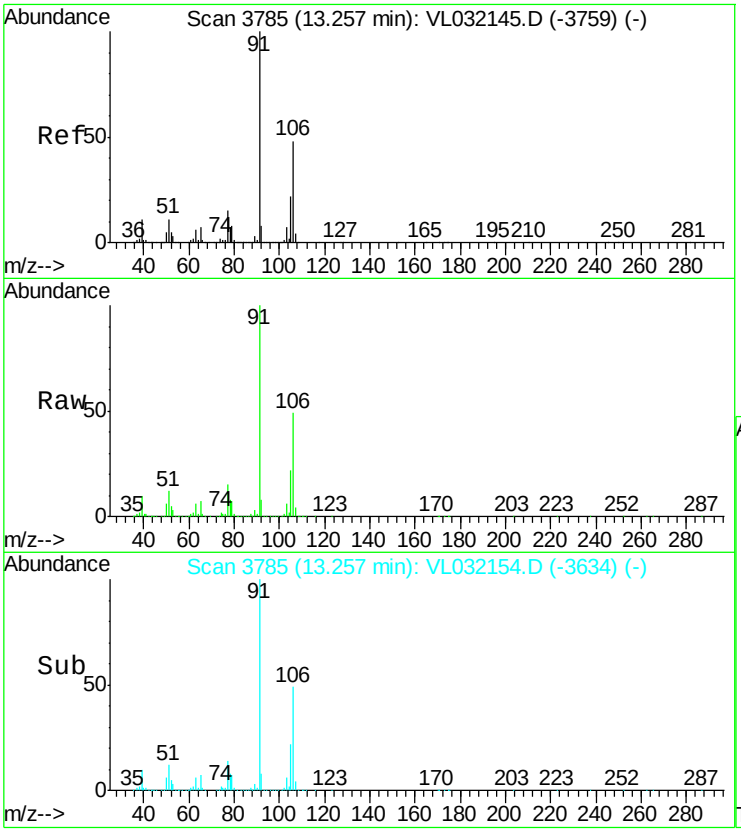


#58
Ethyl Benzene
Concen: 9.334 ppbv
RT: 12.97 min Scan# 3695
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 91 Resp: 5939339

Ion	Ratio	Lower	Upper
91	100		
106	29.3	26.5	39.7



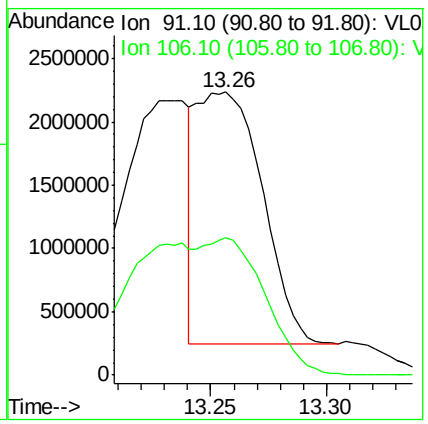


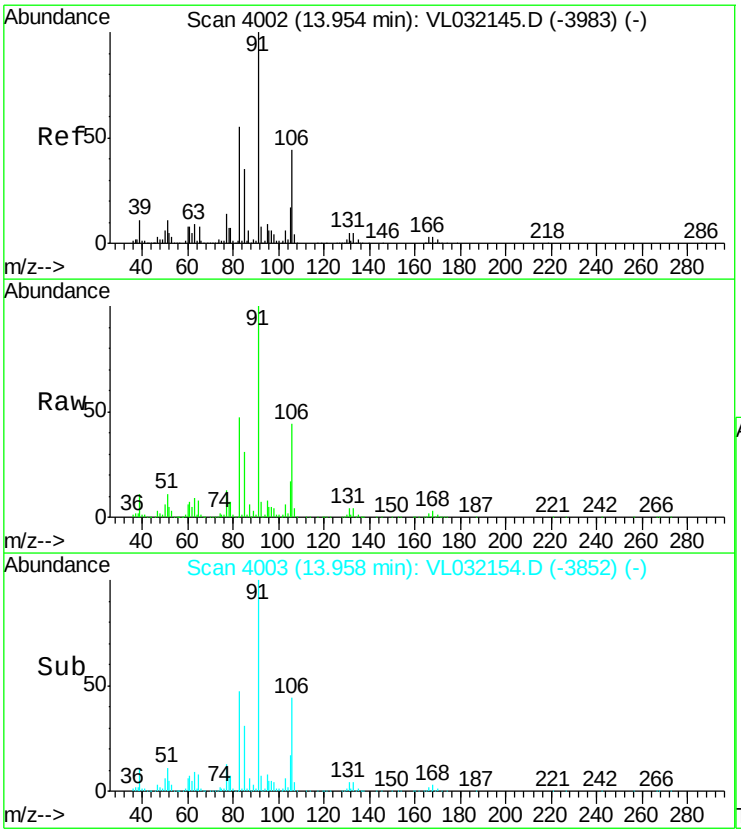
#59
m/p-Xylene
Concen: 7.641 ppbv
RT: 13.26 min Scan# 3785
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion: 91 Resp: 3897170

Ion	Ratio	Lower	Upper
91	100		
106	111.1	38.6	58.0#

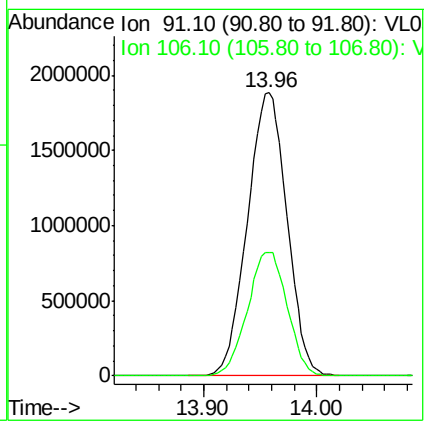


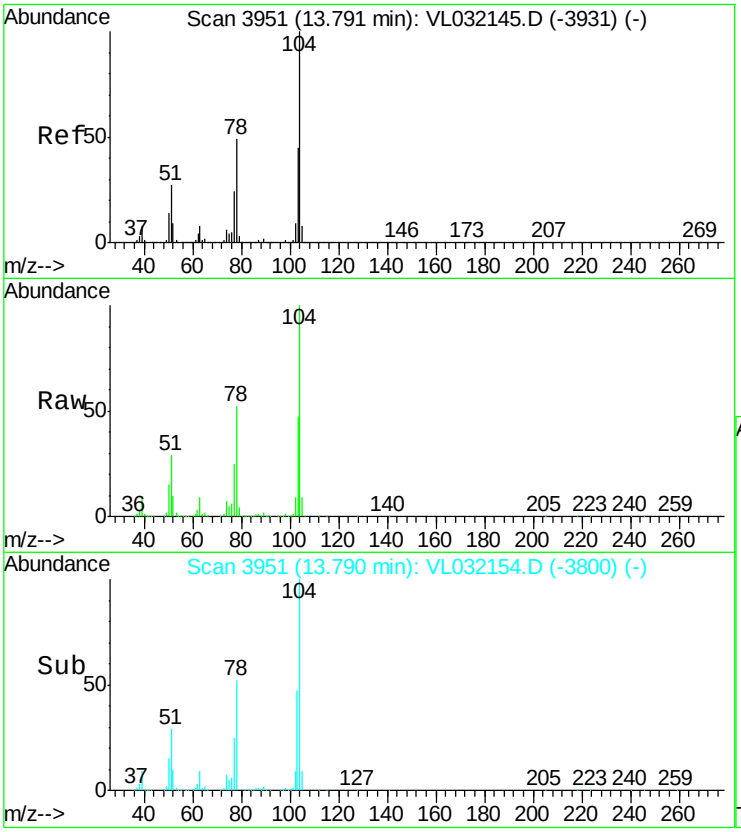


#60
o-Xylene
Concen: 8.973 ppbv
RT: 13.96 min Scan# 4003
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 91 Resp: 4564414

Ion	Ratio	Lower	Upper
91	100		
106	43.9	23.3	69.8



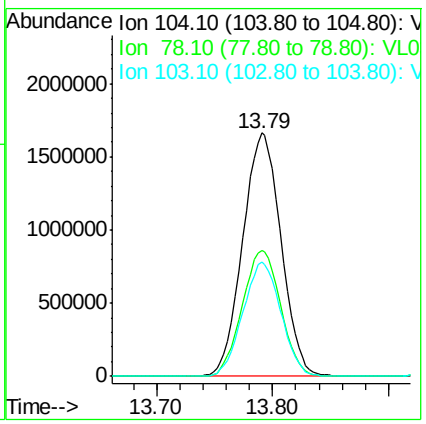


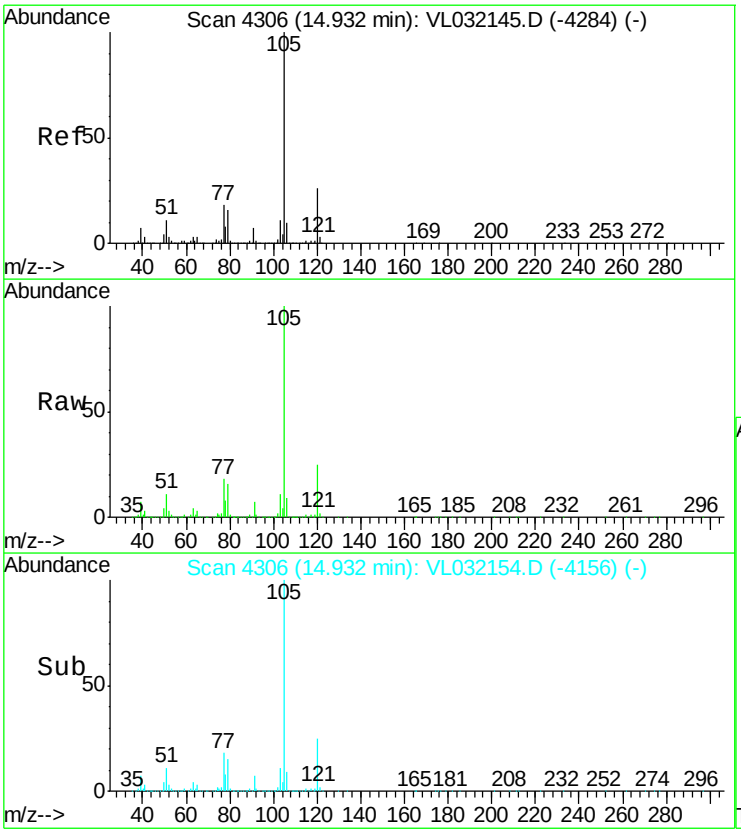
#61
Styrene
Concen: 9.175 ppbv
RT: 13.79 min Scan# 3951
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion:104 Resp: 3824797

Ion	Ratio	Lower	Upper
104	100		
78	52.2	37.9	56.9
103	46.7	36.6	55.0

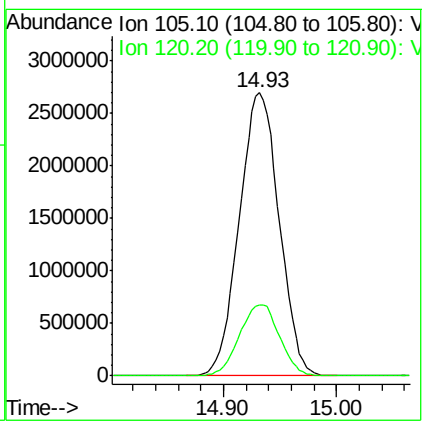


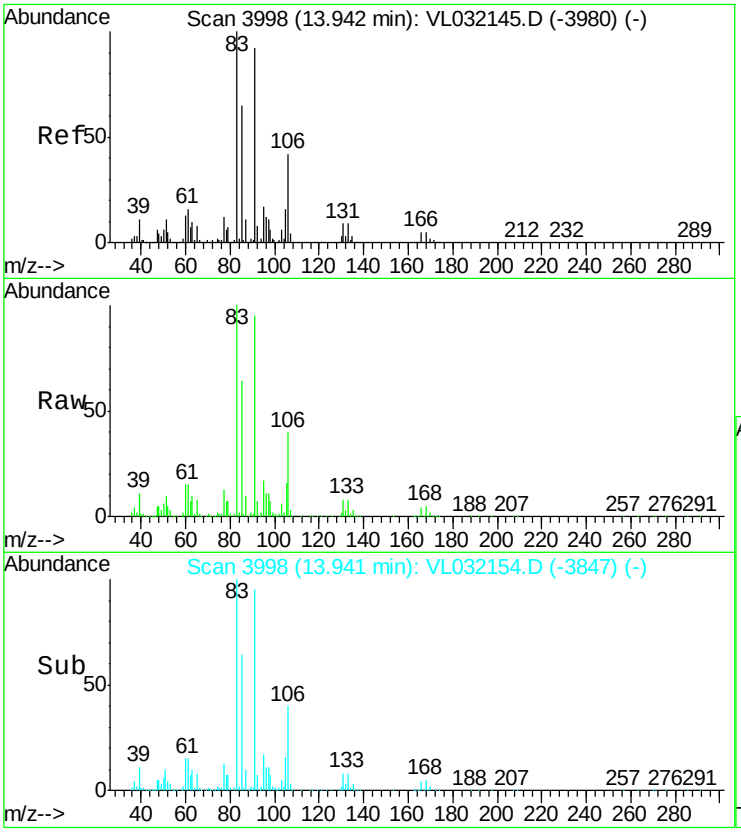


#62
Isopropylbenzene
Concen: 8.433 ppbv
RT: 14.93 min Scan# 4306
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:105 Resp: 6596779

Ion	Ratio	Lower	Upper
105	100		
120	25.3	21.0	31.4



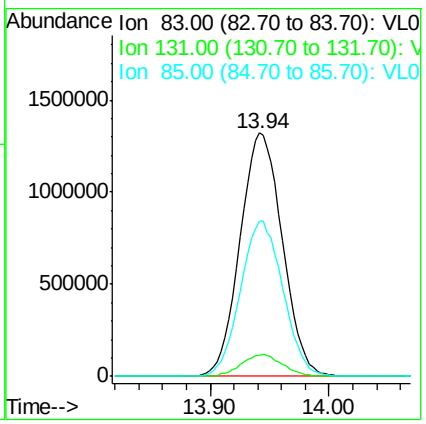


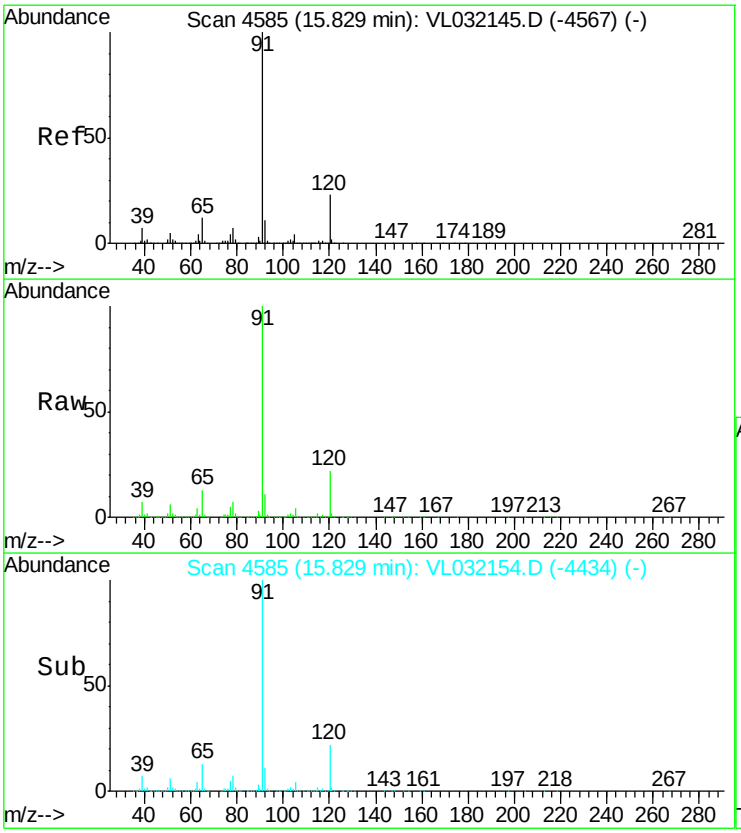
#63
1,1,2,2-Tetrachloroethane
Concen: 8.232 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion: 83 Resp: 3242429

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.6	13.8
85	64.4	32.4	97.2

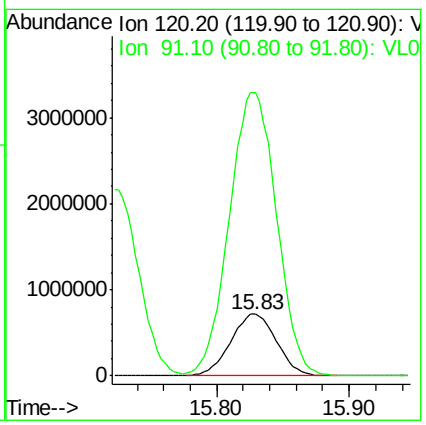


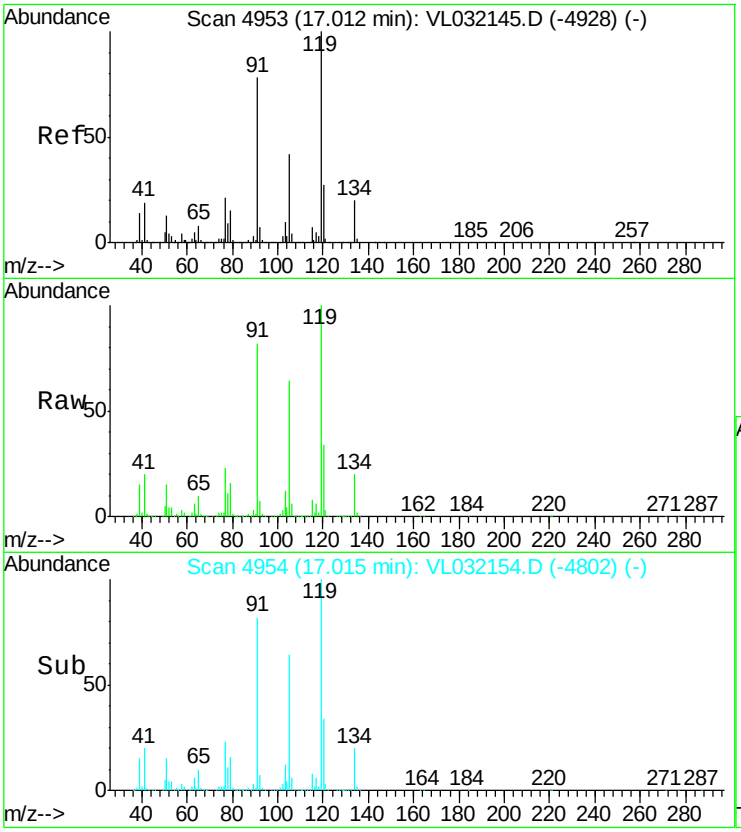


#64
n-propylbenzene
Concen: 8.465 ppbv
RT: 15.83 min Scan# 4585
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:120 Resp: 1713781

Ion	Ratio	Lower	Upper
120	100		
91	477.6	357.4	536.0



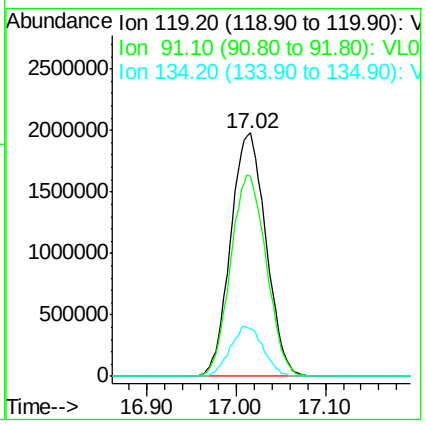


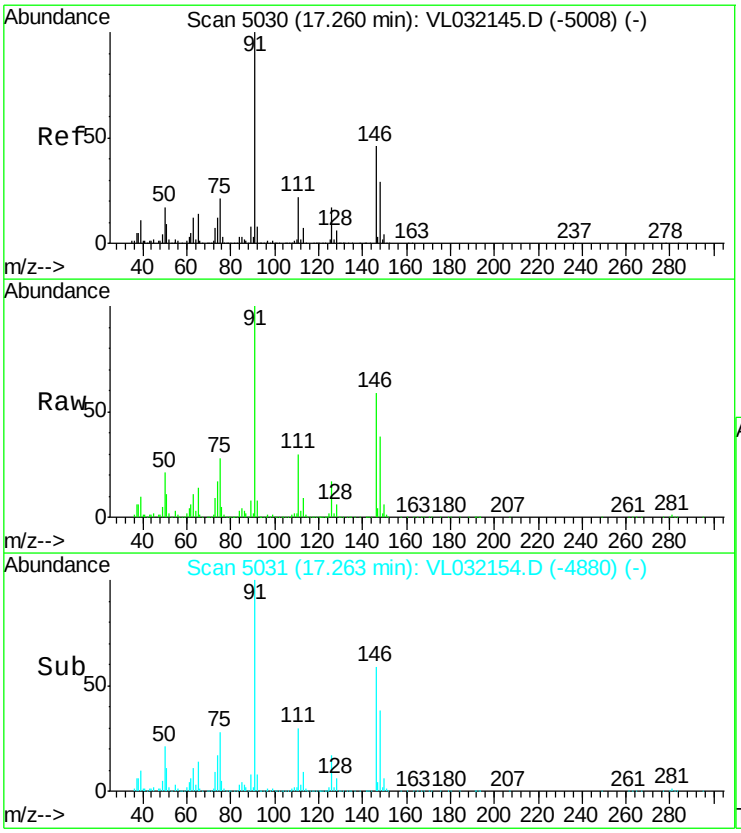
#65
tert-Butylbenzene
Concen: 7.898 ppbv
RT: 17.02 min Scan# 4954
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion:119 Resp: 5428982

Ion	Ratio	Lower	Upper
119	100		
91	83.6	62.2	93.2
134	19.3	16.2	24.2

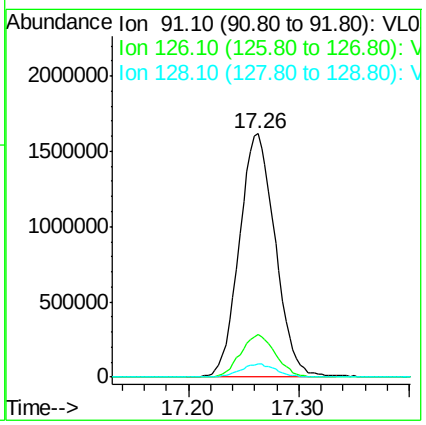


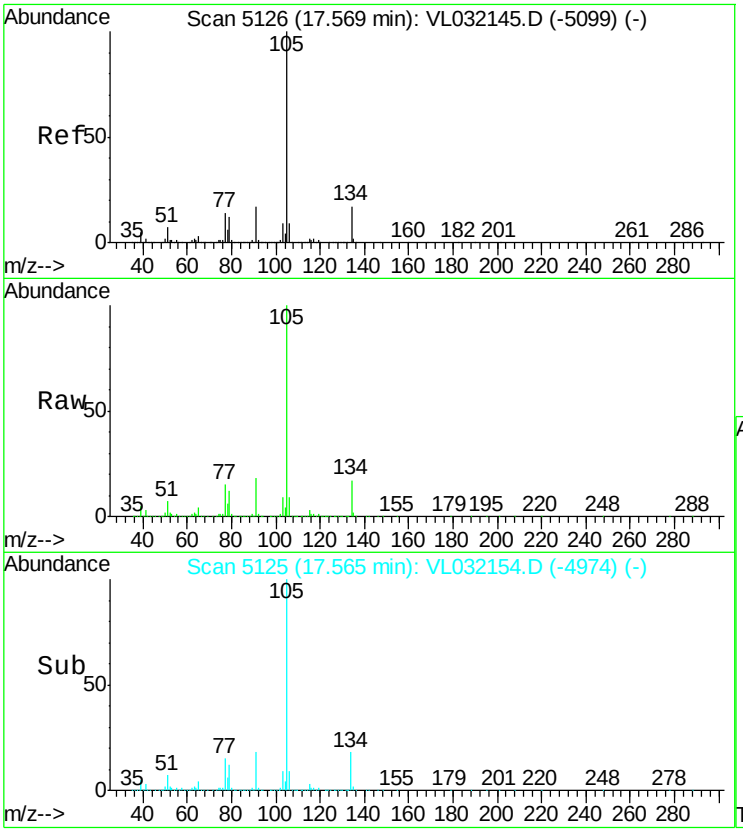


#66
Benzyl Chloride
Concen: 8.591 ppbv
RT: 17.26 min Scan# 5031
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 91 Resp: 3646679

Ion	Ratio	Lower	Upper
91	100		
126	17.1	15.7	23.5
128	5.5	5.2	7.8



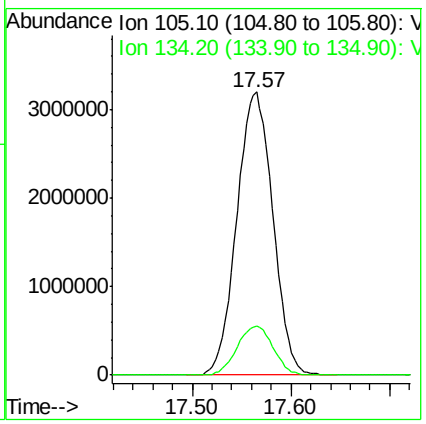


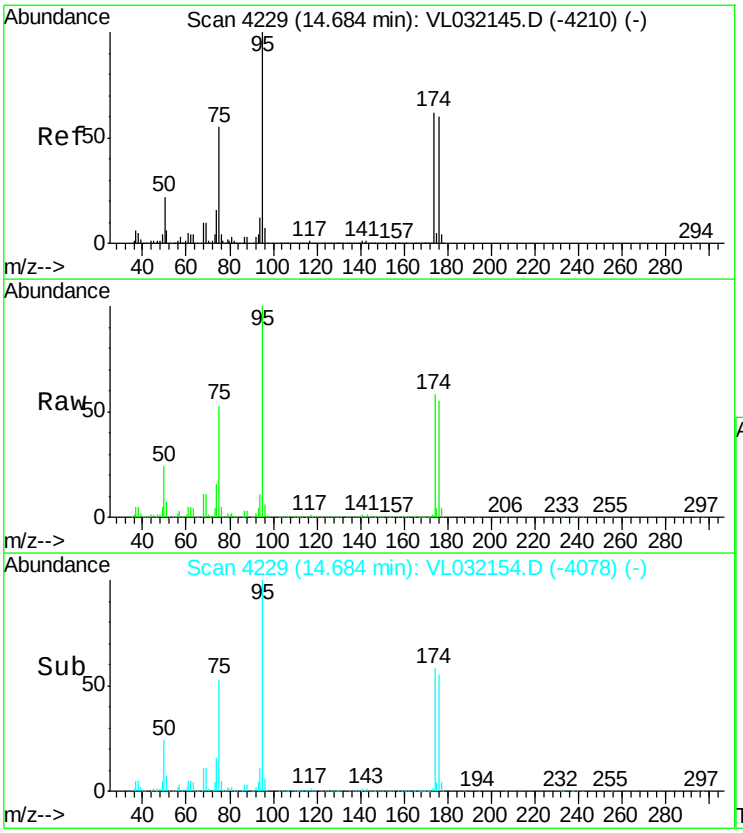
#67
sec-Butylbenzene
Concen: 8.021 ppbv
RT: 17.57 min Scan# 5125
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion:105 Resp: 8071822

Ion	Ratio	Lower	Upper
105	100		
134	17.4	14.7	22.1

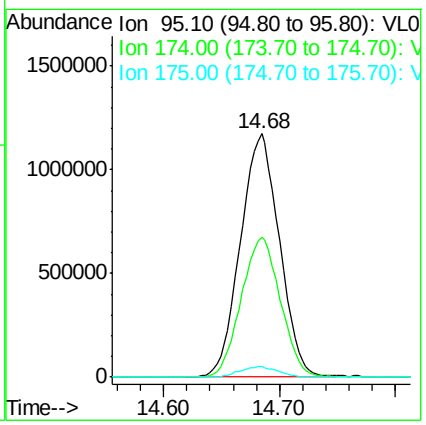


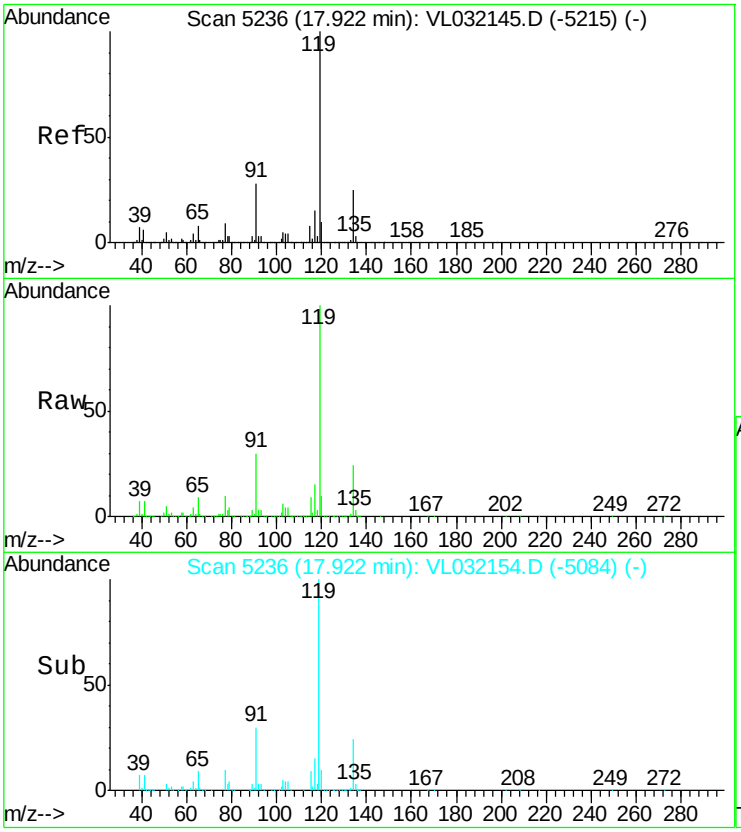


#68
1-Bromo-4-Fluorobenzene
Concen: 9.107 ppbv
RT: 14.68 min Scan# 4229
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 95 Resp: 2748455

Ion	Ratio	Lower	Upper
95	100		
174	57.9	52.1	78.1
175	4.3	4.0	6.0



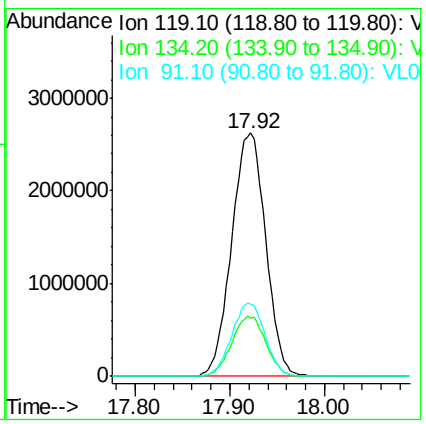


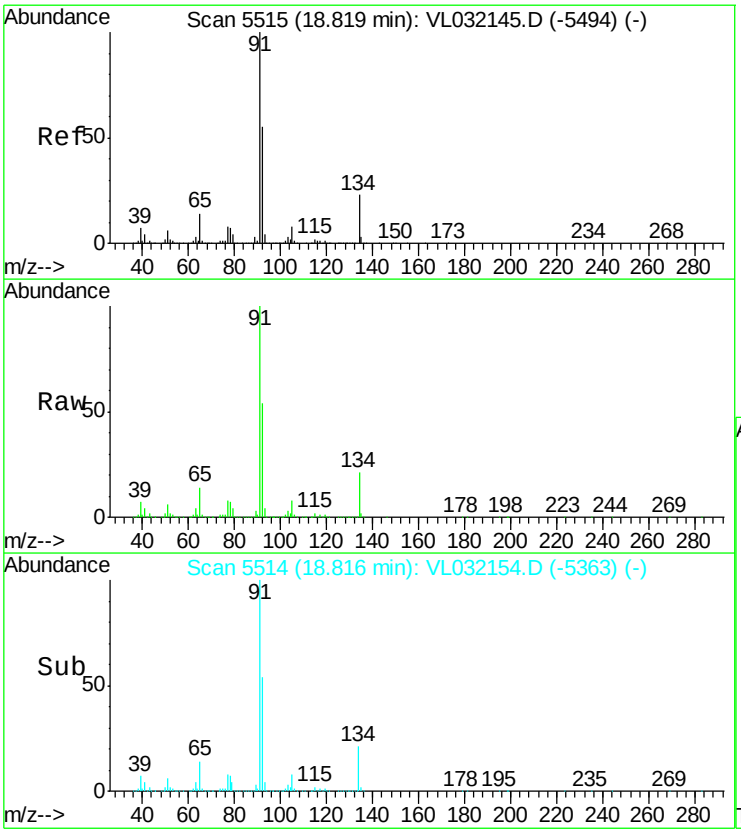
#69
p-Isopropyltoluene
Concen: 8.118 ppbv
RT: 17.92 min Scan# 5236
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion:119 Resp: 6553500

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.7	31.1
91	29.7	21.8	32.8

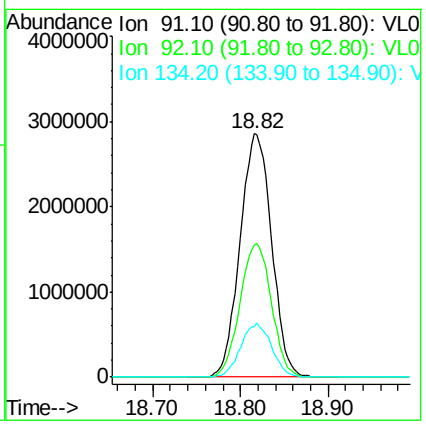


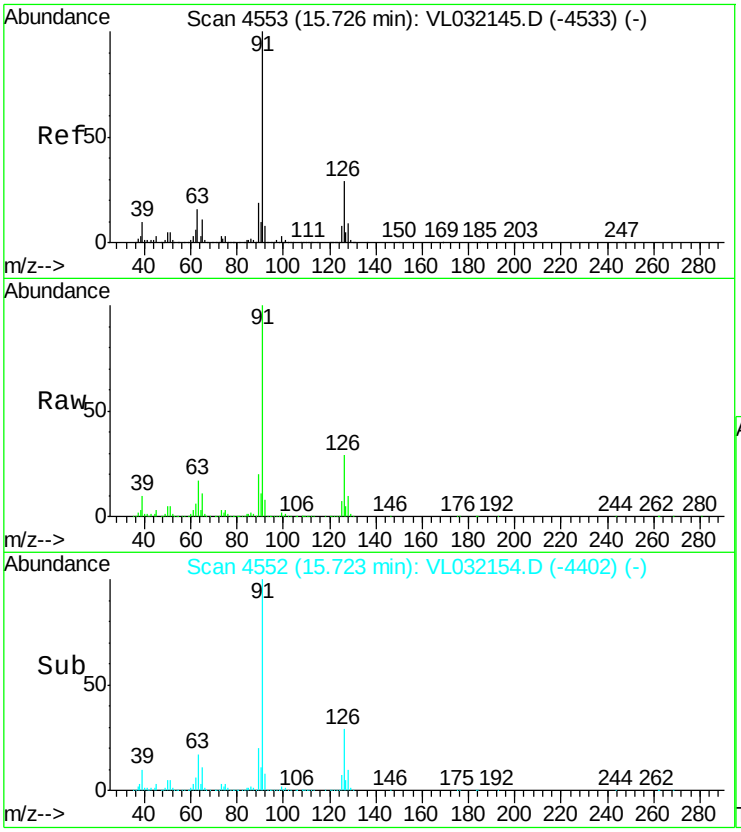


#70
n-Butylbenzene
Concen: 8.461 ppbv
RT: 18.82 min Scan# 5514
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 91 Resp: 7131934

Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.7	65.5
134	21.7	18.9	28.3



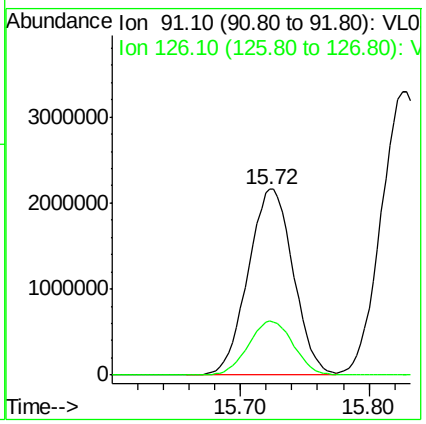


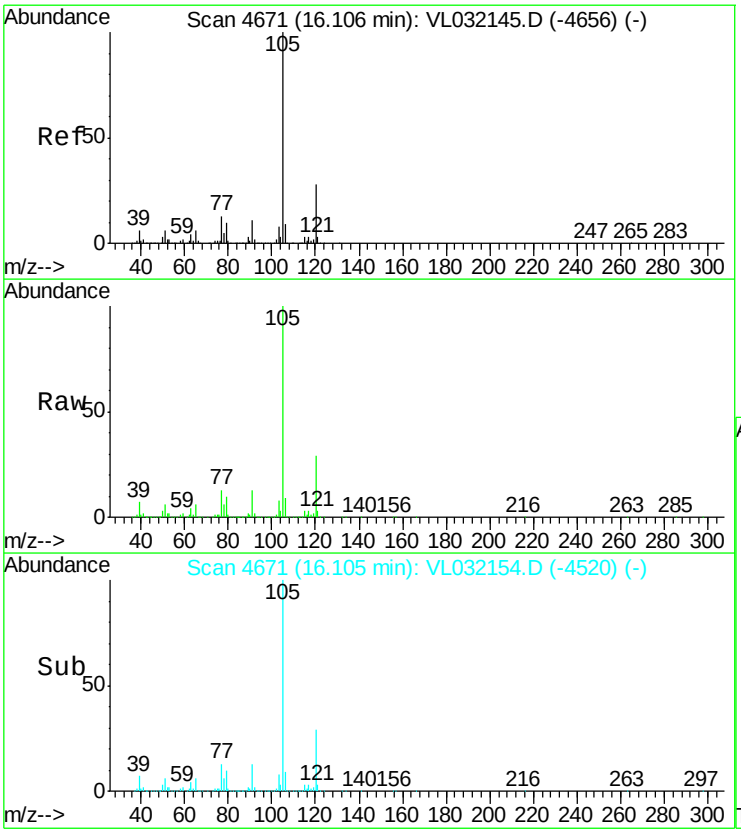
#71
2-Chlorotoluene
Concen: 8.738 ppbv
RT: 15.72 min Scan# 4552
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument : MSVOA_L
ClientSampleId : VL0629ABS01

Tgt Ion: 91 Resp: 5262788

Ion	Ratio	Lower	Upper
91	100		
126	29.1	12.8	51.0

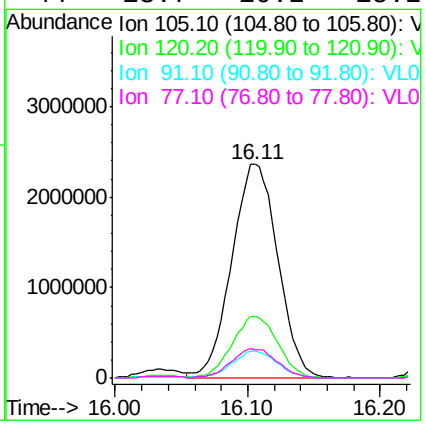


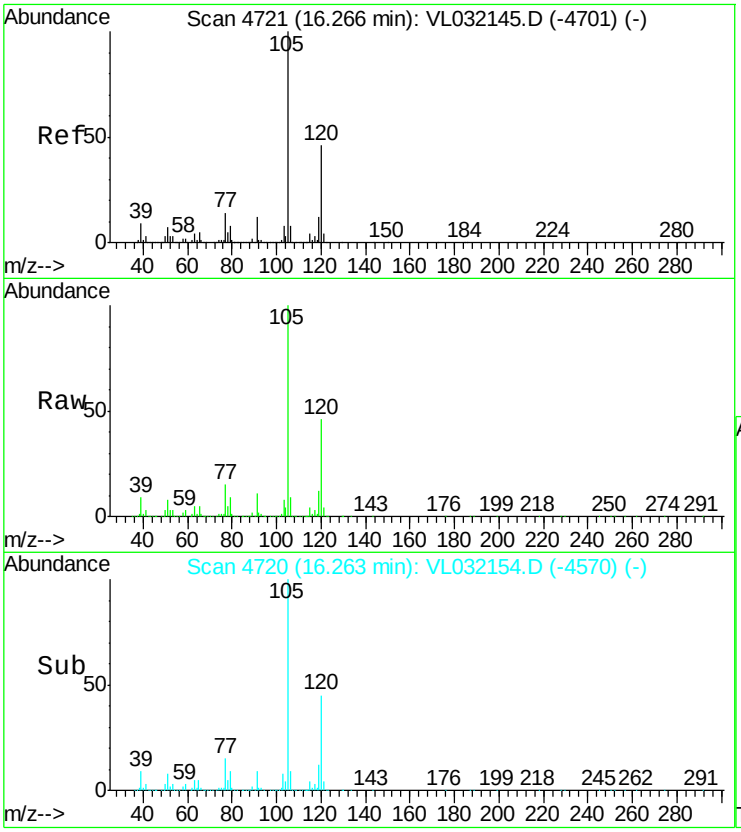


#72
4-Ethyltoluene
Concen: 8.655 ppbv
RT: 16.11 min Scan# 4671
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:105 Resp: 5686614

Ion	Ratio	Lower	Upper
105	100		
120	28.7	24.3	36.5
91	12.4	9.4	14.0
77	13.7	10.2	15.2



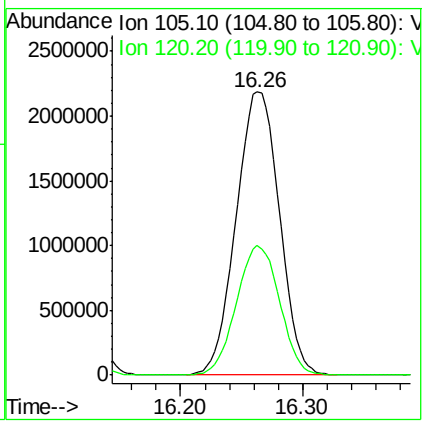


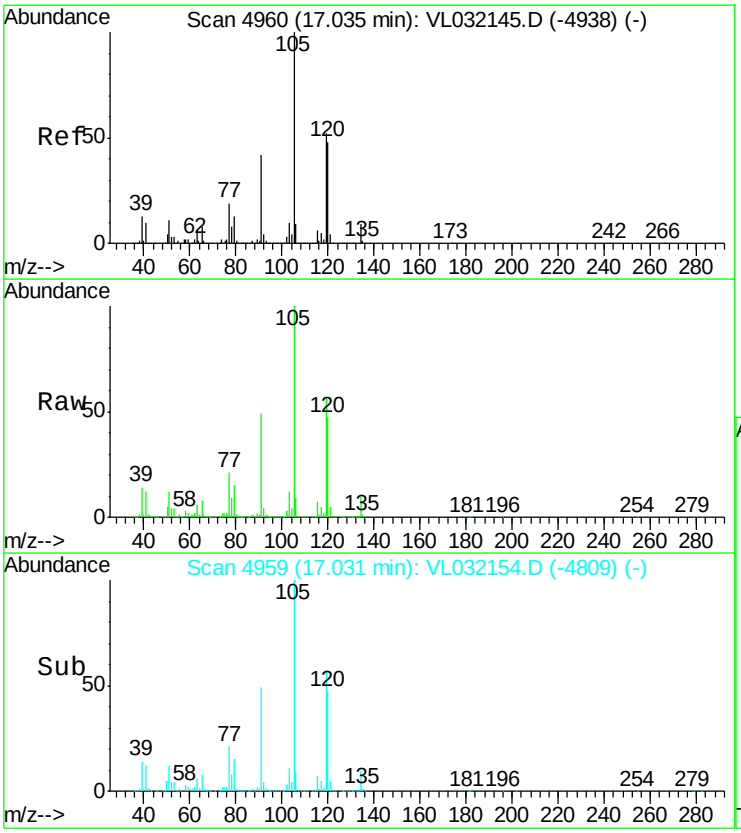
#73
1,3,5-Trimethylbenzene
Concen: 8.639 ppbv
RT: 16.26 min Scan# 4720
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion:105 Resp: 5346556

Ion	Ratio	Lower	Upper
105	100		
120	45.8	38.6	57.8

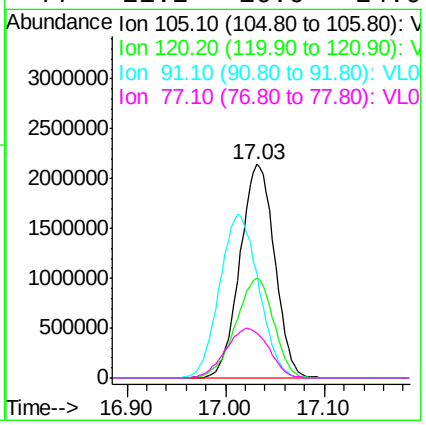


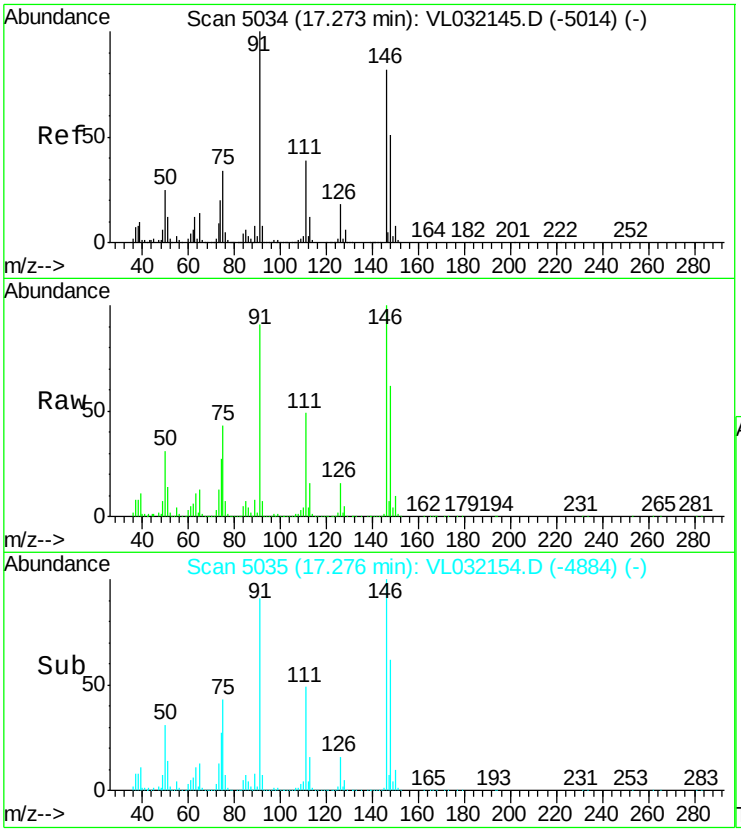


#74
1,2,4-Trimethylbenzene
Concen: 8.327 ppbv
RT: 17.03 min Scan# 4959
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:105 Resp: 5200958

Ion	Ratio	Lower	Upper
105	100		
120	46.8	38.8	58.2
91	49.2	33.6	50.4
77	21.2	16.0	24.0



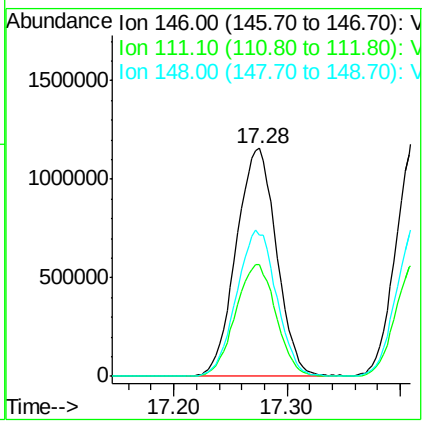


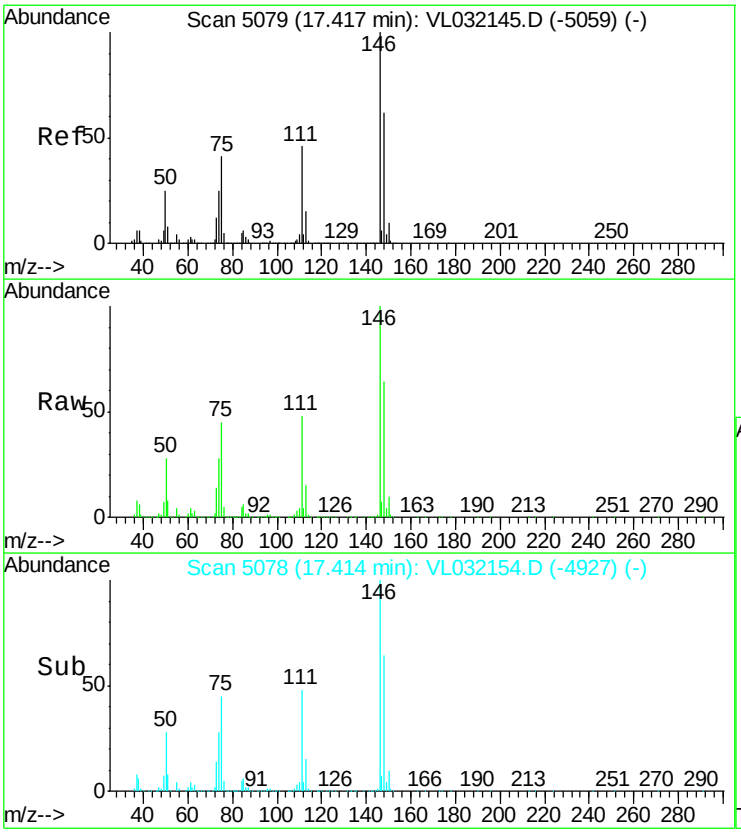
#75
1,3-Dichlorobenzene
Concen: 8.065 ppbv
RT: 17.28 min Scan# 5035
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion:146 Resp: 2865431

Ion	Ratio	Lower	Upper
146	100		
111	49.5	22.9	68.8
148	63.7	31.7	95.1

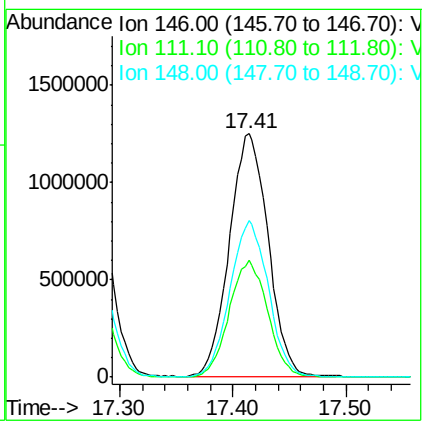


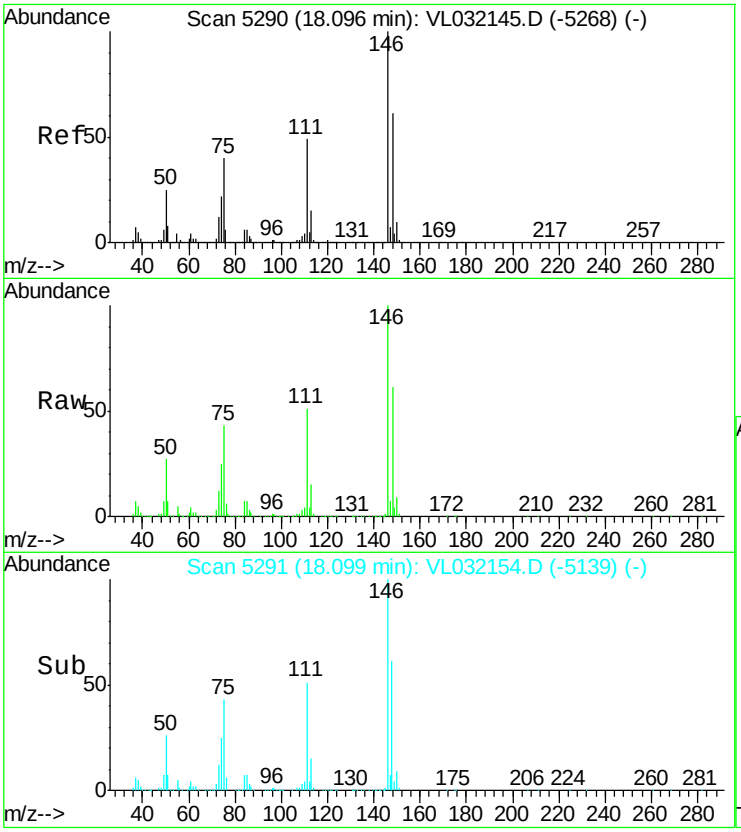


#76
1,4-Dichlorobenzene
Concen: 8.235 ppbv
RT: 17.41 min Scan# 5078
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:146 Resp: 2966659

Ion	Ratio	Lower	Upper
146	100		
111	48.1	21.9	65.8
148	64.1	32.1	96.5



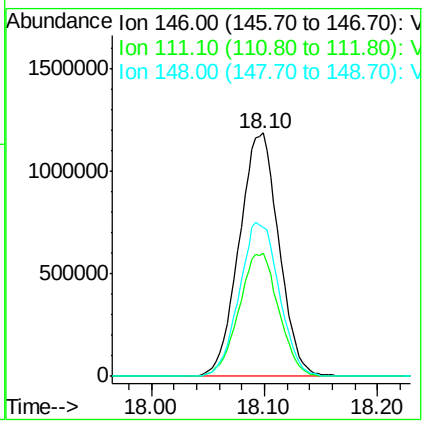


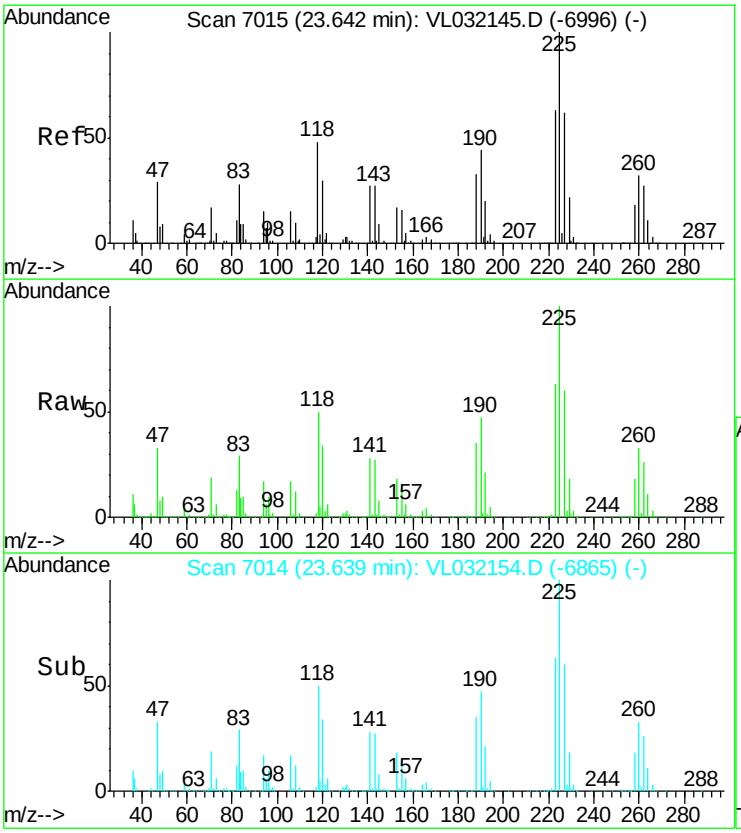
#77
1,2-Dichlorobenzene
Concen: 8.129 ppbv
RT: 18.10 min Scan# 5291
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion:146 Resp: 2886276

Ion	Ratio	Lower	Upper
146	100		
111	50.8	23.4	70.3
148	63.9	32.0	96.0

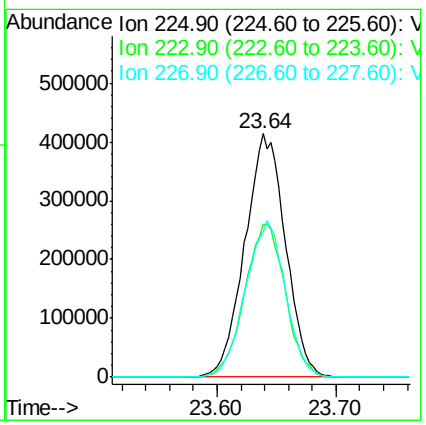


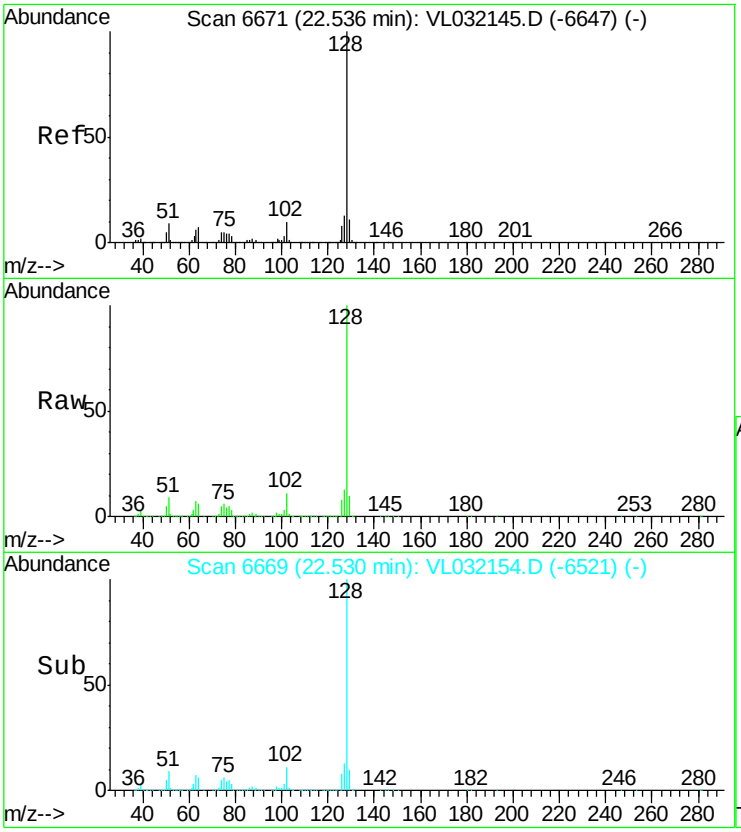


#78
Hexachloro-1,3-Butadiene
Concen: 7.896 ppbv
RT: 23.64 min Scan# 7014
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:225 Resp: 976256

Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.0	76.4
227	63.3	51.4	77.0



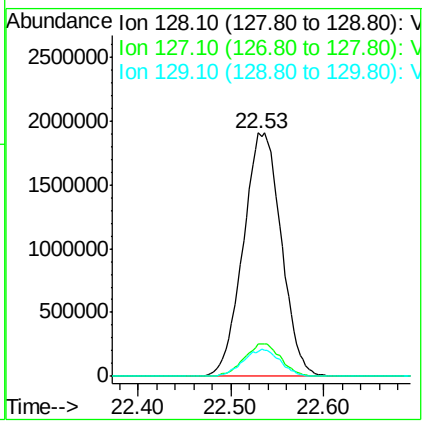


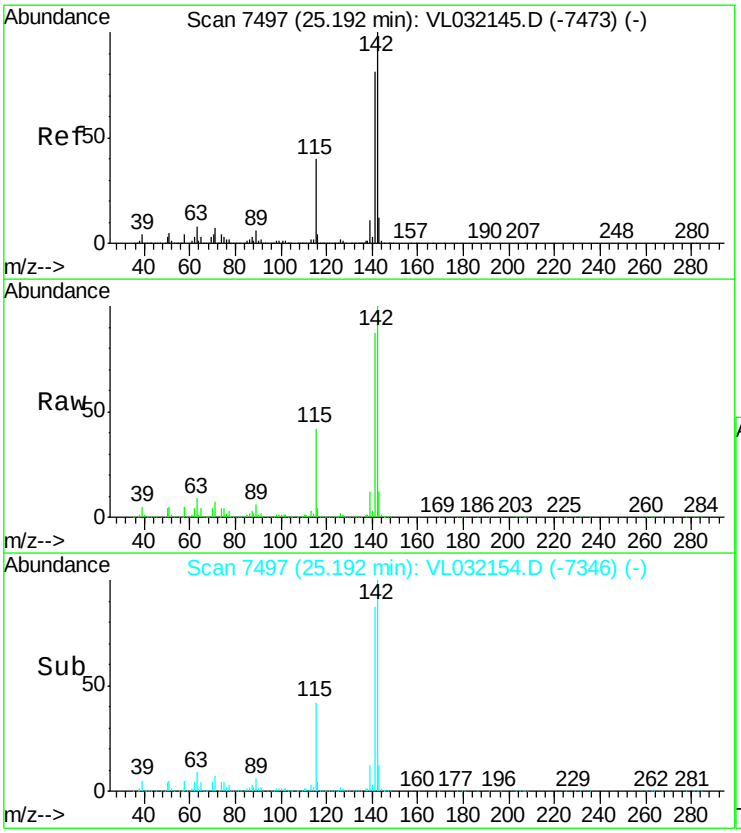
#79
Naphthalene
Concen: 9.586 ppbv
RT: 22.53 min Scan# 6669
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion:128 Resp: 5442150

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.1	9.0	13.6

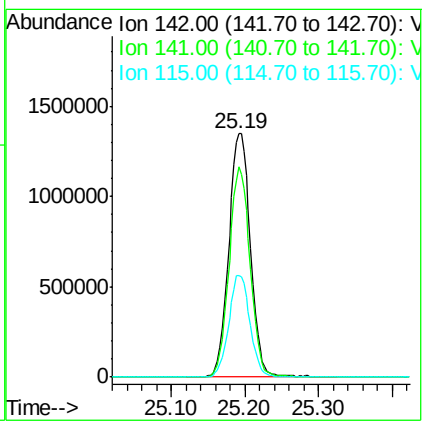


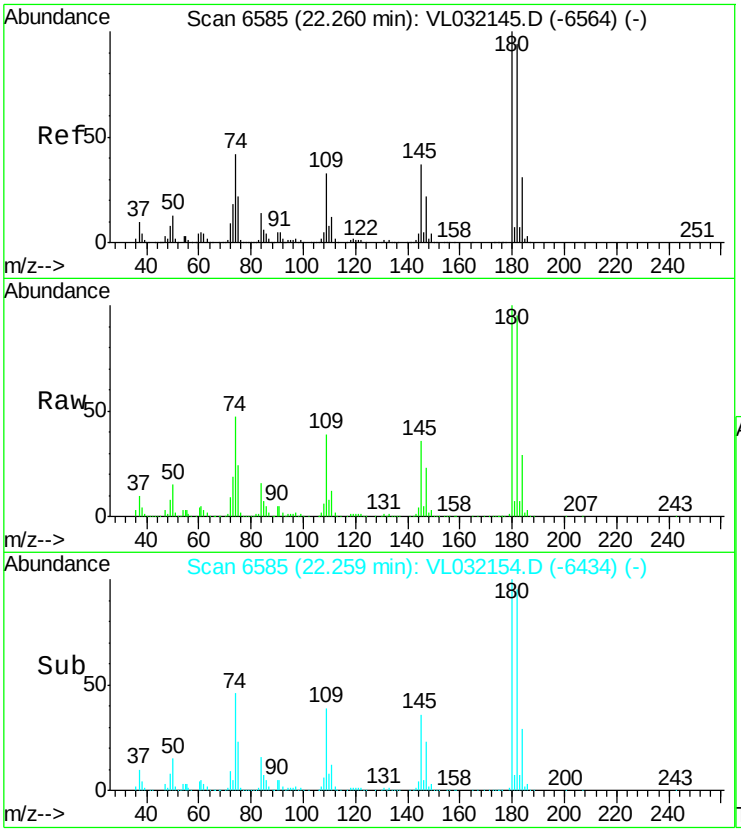


#80
Naphthalene,2-methyl-
Concen: 13.402 ppbv
RT: 25.19 min Scan# 7497
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:142 Resp: 2746356

Ion	Ratio	Lower	Upper
142	100		
141	83.4	65.8	98.6
115	40.8	29.4	44.0





#81
1,2,4-Trichlorobenzene
Concen: 9.403 ppbv
RT: 22.26 min Scan# 6585
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tgt Ion:180 Resp: 2410742

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.4
184	30.5	24.4	36.6