Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

Quantitation Report (Not Reviewed)

Data File : VL032745.D
Acq On : 14 Nov 2018 4:22
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Nov 14 05:44:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 05:38:10 2018
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1609706	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4069912	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3677631	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2764585	9.97	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	131035	0.714	ppbv	97
3) Chlorodifluoromethane	3.02	51	68917	0.541	ppbv	96
4) Chloromethane	3.18	50	40740	0.576	ppbv #	83
5) Vinyl Chloride	3.30	62	35659	0.466	ppbv	92
6) Bromomethane	3.52	94	24425	0.508	ppbv	95
7) Chloroethane	3.61	64	15299	0.541	ppbv	95
8) Dichlorotetrafluoroethane	3.23	85	104113	0.594	ppbv	100
9) Propene	3.05	41	27623	0.533	ppbv	98
10) Heptane	8.25	43	93414	0.465	ppbv	95
11) Trichlorofluoromethane	4.01	101	134328	0.616	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.56	101	96125	0.546	ppbv	98
13) Ethanol	3.67	45	4720	0.322	ppbv #	39
14) Bromoethene	3.80	108	31981	0.528	ppbv #	89
15) Acetone	3.93	43	90455	0.605	ppbv	98
16) 1,3-Butadiene	3.37	39	28035	0.494	ppbv	88
17) tert-Butyl alcohol	4.37	59	2900	0.069	ppbv #	73
18) 1,1-Dichloroethene	4.36	96	48854	0.615	ppbv	94
19) Isopropyl Alcohol	4.05	45	61331	0.588	ppbv #	93
20) Methylene Chloride	4.42	84	44678	0.587	ppbv	88
21) Allyl Chloride	4.49	41	62782	0.524	ppbv	97
22) trans-1,2-Dichloroethene	4.97	96	45041	0.551	ppbv	89
23) Vinyl Acetate	5.17	43	130269	0.482	ppbv #	96
24) 1,1-Dichloroethane	5.10	63	118054	0.556	ppbv	99
25) Ethyl Acetate	5.79	43	181898	0.531	ppbv	99
26) Hexane	5.79	57	76951	0.477	ppbv	87
27) Carbon Disulfide	4.63	76	97222	0.503	ppbv #	83
28) Methyl tert-Butyl Ether	5.13	73	119857	0.501	ppbv	97
29) Chloroform	5.85	83	152965	0.586	ppbv	99
30) Cyclohexane	7.26	84	18232	0.141	ppbv #	1
31) cis-1,2-Dichloroethene	5.65	61	76454	0.508	ppbv	89
32) 1,1,1-Trichloroethane	6.63	97	153582	0.574	ppbv	99
34) 2-Butanone	5.35	43	43051	0.197	ppbv #	53
35) Carbon Tetrachloride	7.14	117	163070	0.559	ppbv	96
36) Benzene	7.01	78	158283	0.481	ppbv	94
37) 1,2-Dichloroethane	6.42	62	118004	0.577	ppbv	99
38) Trichloroethene	7.97	130	62172	0.505	ppbv	94
39) 1,2-Dichloropropane	7.74	63	63340	0.499	ppbv	90
40) 1,4-Dioxane	8.00	88	10076	0.233	ppbv #	1
41) Tetrahydrofuran	6.18	42	52649	0.435	ppbv	100
42) Bromodichloromethane	7.92	83	148340	0.519	ppbv	97
43) Methyl Methacrylate	8.16	69	52347	0.433	ppbv	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

Quantitation Report (Not Reviewed)

Data File : VL032745.D
Acq On : 14 Nov 2018 4:22
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Nov 14 05:44:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 05:38:10 2018
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	244871	0.436 ppbv		92
45) t-1,3-Dichloropropene	9.42	75	26618	0.165 ppbv		92
46) cis-1,3-Dichloropropene	8.84	75	81448	0.433 ppbv	#	87
47) 1,1,2-Trichloroethane	9.62	97	40412	0.269 ppbv		91
48) Dibromochloromethane	10.45	129	117137	0.464 ppbv		100
49) Bromoform	13.21	173	65521	0.330 ppbv	#	66
50) 4-Methyl-2-Pentanone	8.89	43	141644	0.433 ppbv		99
51) 2-Hexanone	10.30	43	38401	0.163 ppbv	#	29
52) Tetrachloroethene	11.38	164	41766	0.363 ppbv		90
53) Toluene	9.95	91	134432	0.362 ppbv		97
54) 1,2-Dibromoethane	10.76	107	40021	0.198 ppbv		82
56) 1,1,1,2-Tetrachloroethane	12.29	131	40225	0.246 ppbv	#	10
57) Chlorobenzene	12.31	112	85495	0.312 ppbv		97
58) Ethyl Benzene	12.88	91	191195	0.443 ppbv		98
59) m/p-Xylene	13.13	91	155415	0.405 ppbv	#	31
60) o-Xylene	13.86	91	191559	0.513 ppbv		99
61) Styrene	13.70	104	90639	0.363 ppbv		97
62) Isopropylbenzene	14.83	105	262196	0.497 ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.84	83	163787	0.565 ppbv		100
64) n-propylbenzene	15.73	120	66364	0.503 ppbv		85
65) tert-Butylbenzene	16.91	119	113259	0.249 ppbv	#	3
66) Benzyl Chloride	17.16	91	110682	0.467 ppbv		99
67) sec-Butylbenzene	17.47	105	336844	0.522 ppbv		98
69) p-Isopropyltoluene	17.82	119	257525	0.503 ppbv		99
70) n-Butylbenzene	18.72	91	166699	0.317 ppbv	#	72
71) 2-Chlorotoluene	15.63	91	179419	0.474 ppbv		100
72) 4-Ethyltoluene	16.01	105	125784	0.313 ppbv	#	72
73) 1,3,5-Trimethylbenzene	16.16	105	198330	0.507 ppbv		94
74) 1,2,4-Trimethylbenzene	16.93	105	236729	0.567 ppbv		93
75) 1,3-Dichlorobenzene	17.18	146	52798	0.220 ppbv	#	1
76) 1,4-Dichlorobenzene	17.31	146	64903	0.292 ppbv	#	23
77) 1,2-Dichlorobenzene	17.99	146	126151	0.556 ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	79945	0.695 ppbv		97
79) Naphthalene	22.43	128	88563	0.337 ppbv	#	91
80) Naphthalene,2-methyl-	25.13	142	16136	0.257 ppbv		98
81) 1,2,4-Trichlorobenzene	22.15	180	20044	0.149 ppbv	#	1

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

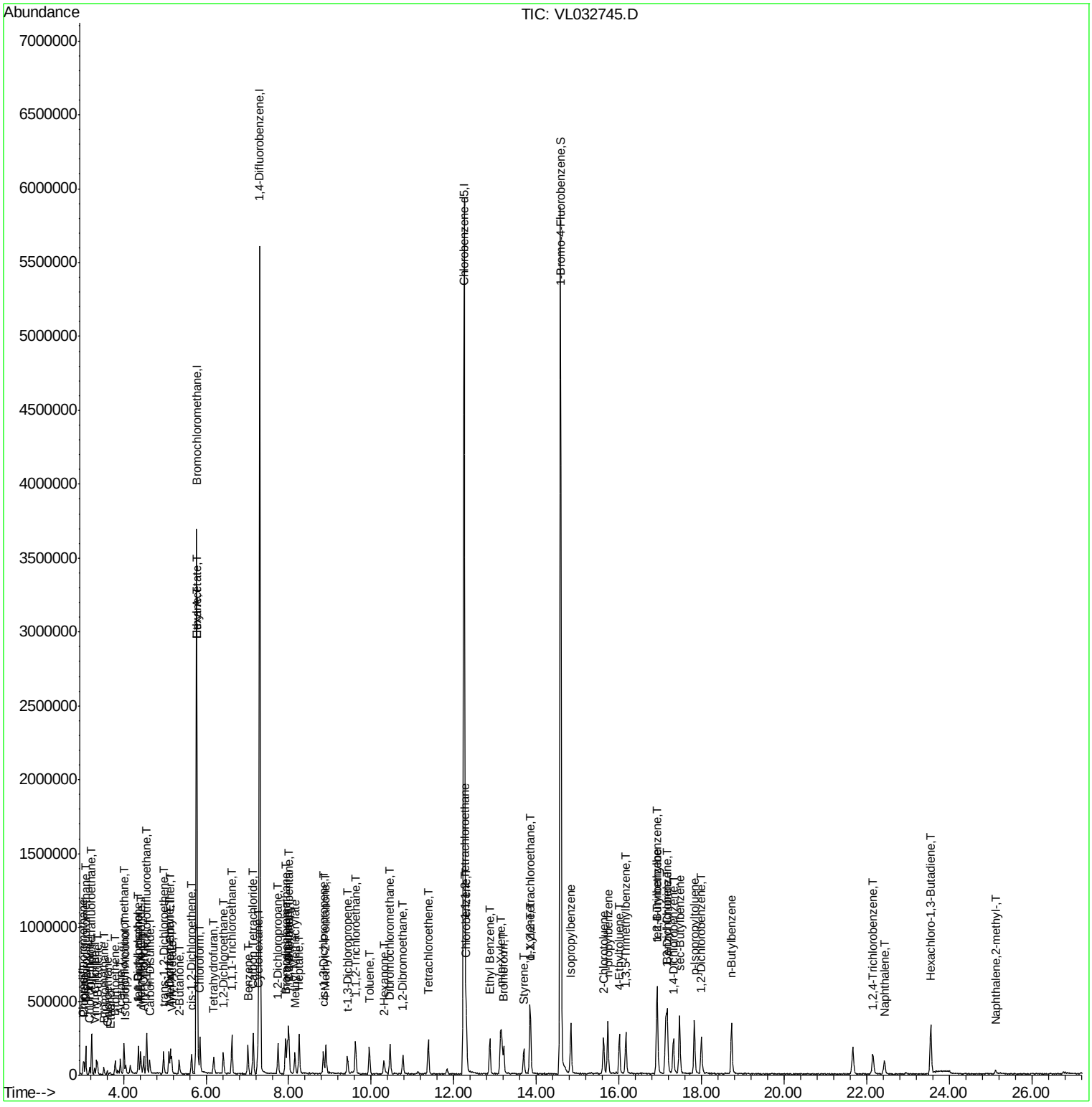
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

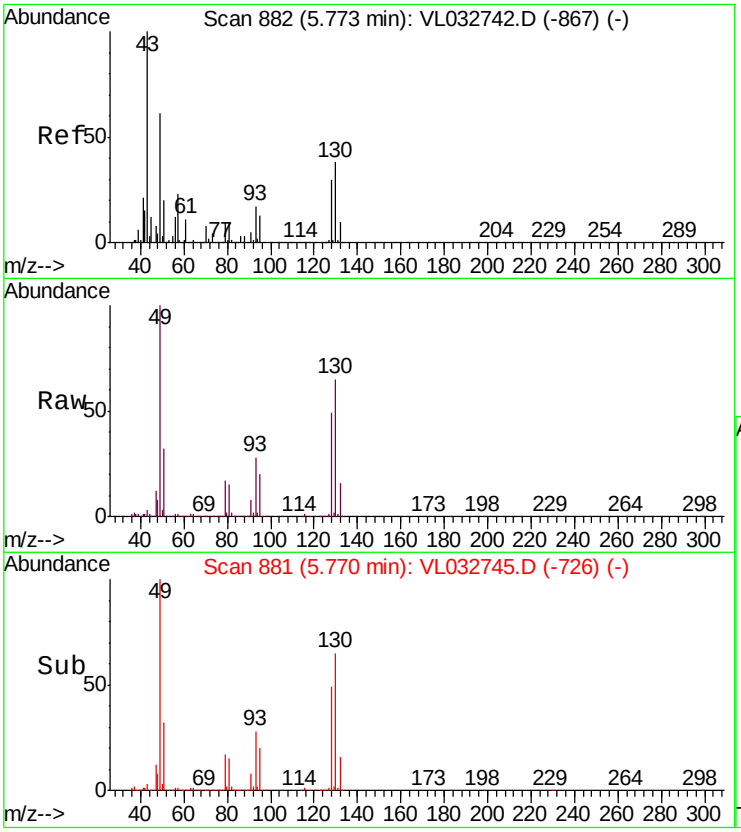
Quantitation Report (Not Reviewed)

Data File : VL032745.D
Acq On : 14 Nov 2018 4:22
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Nov 14 05:44:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 05:38:10 2018
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration



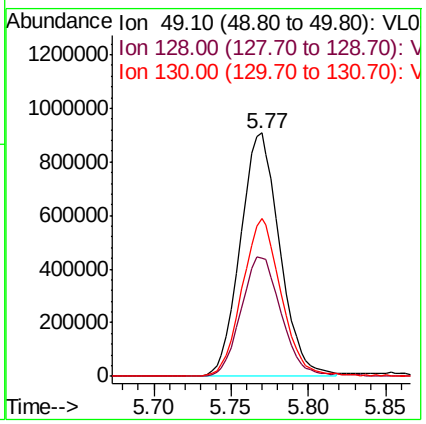


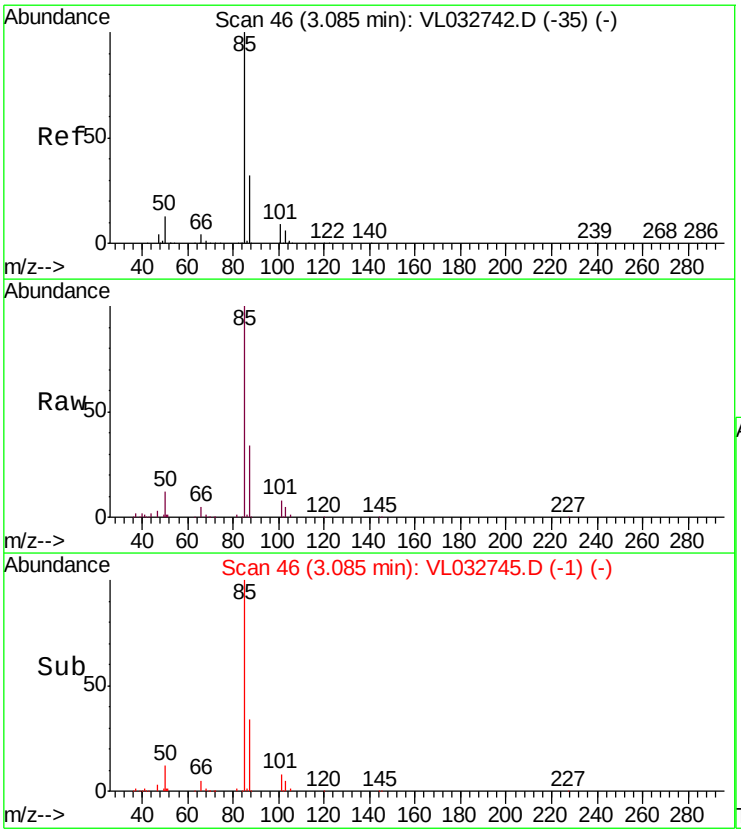
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 1609706

Ion	Ratio	Lower	Upper
49	100		
128	50.5	24.9	74.6
130	65.1	31.4	94.2

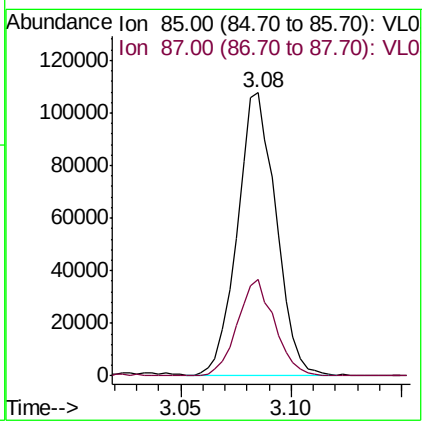


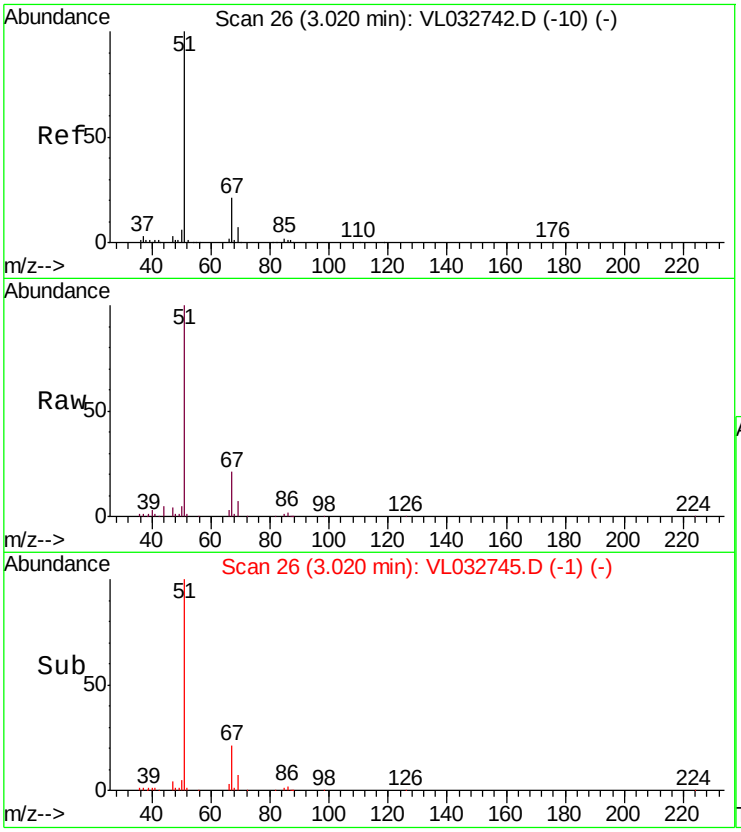


#2
Dichlorodifluoromethane
Concen: 0.714 ppbv
RT: 3.08 min Scan# 46
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 85 Resp: 131035

Ion	Ratio	Lower	Upper
85	100		
87	34.0	26.0	39.0



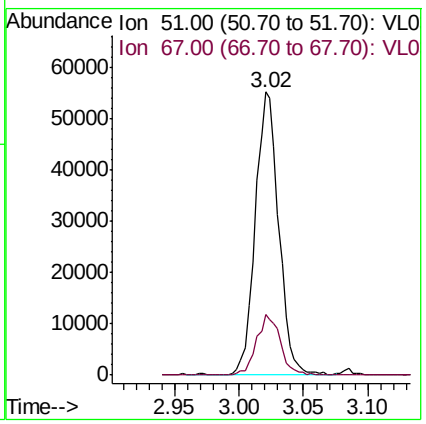


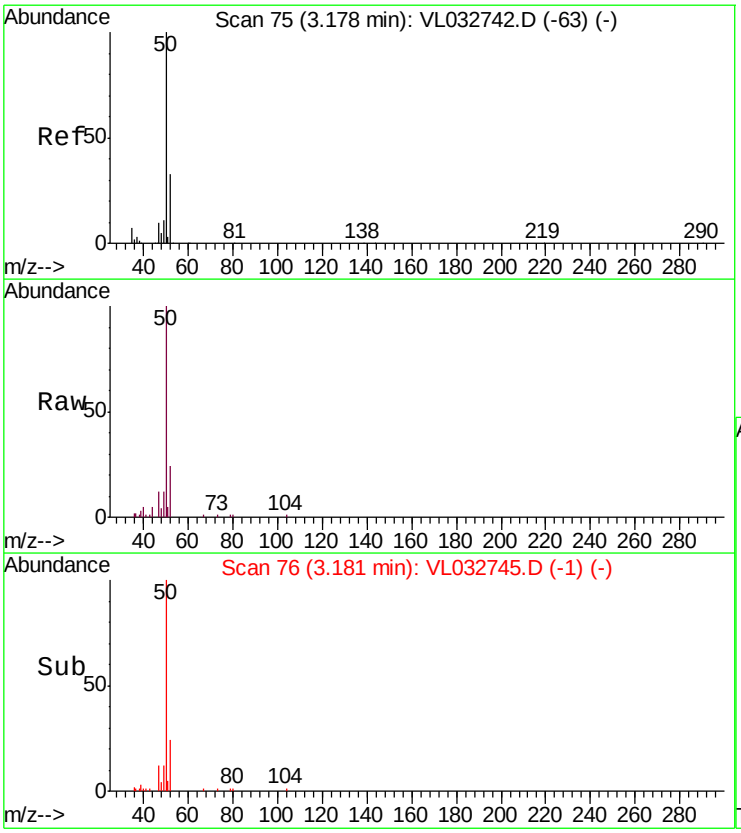
#3
Chlorodifluoromethane
Concen: 0.541 ppbv
RT: 3.02 min Scan# 26
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 51 Resp: 68917

Ion	Ratio	Lower	Upper
51	100		
67	21.8	16.1	24.1

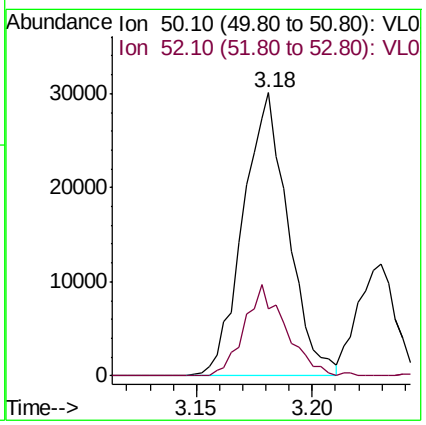


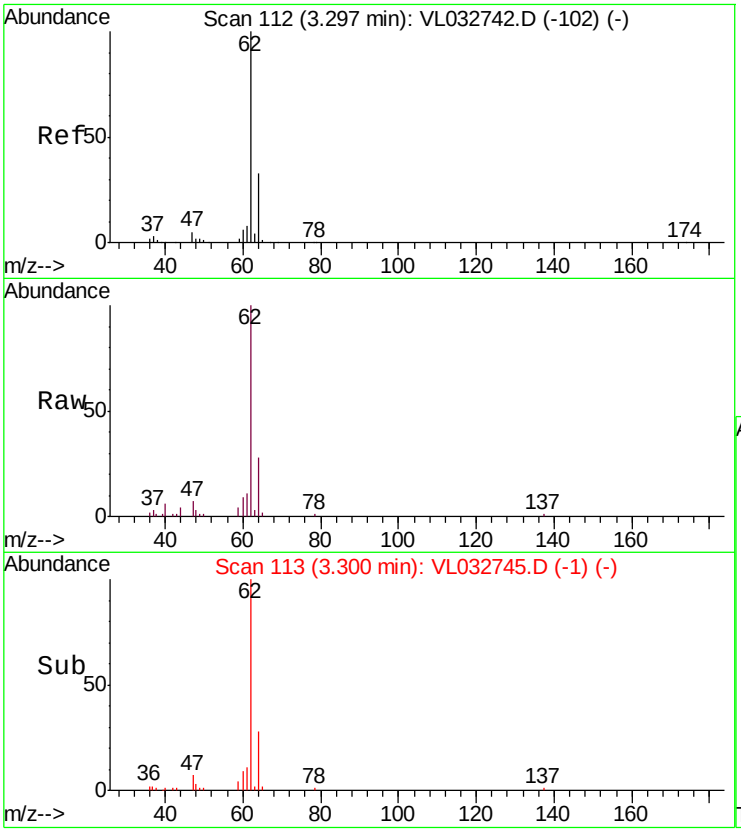


#4
Chloromethane
Concen: 0.576 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 50 Resp: 40740

Ion	Ratio	Lower	Upper
50	100		
52	23.9	26.6	40.0#



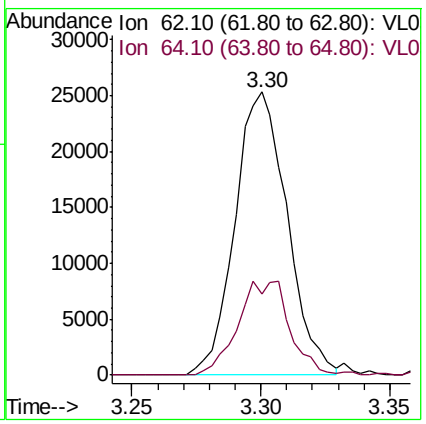


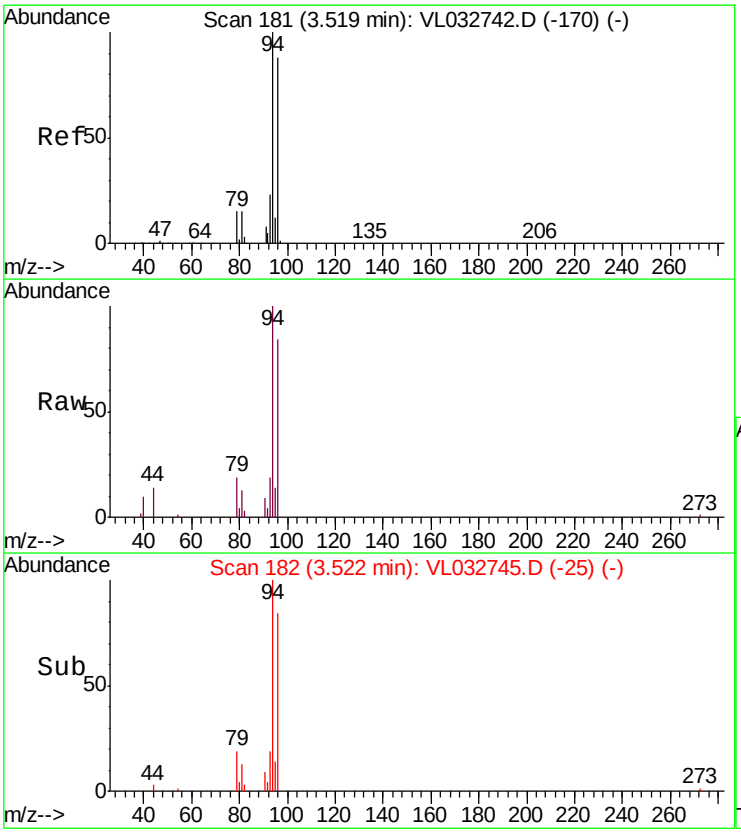
#5
Vinyl Chloride
Concen: 0.466 ppbv
RT: 3.30 min Scan# 113
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 35659

Ion	Ratio	Lower	Upper
62	100		
64	28.5	26.2	39.4

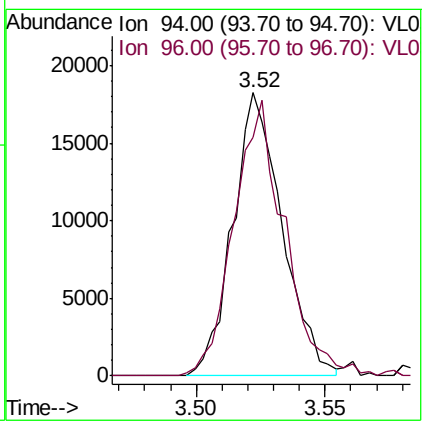


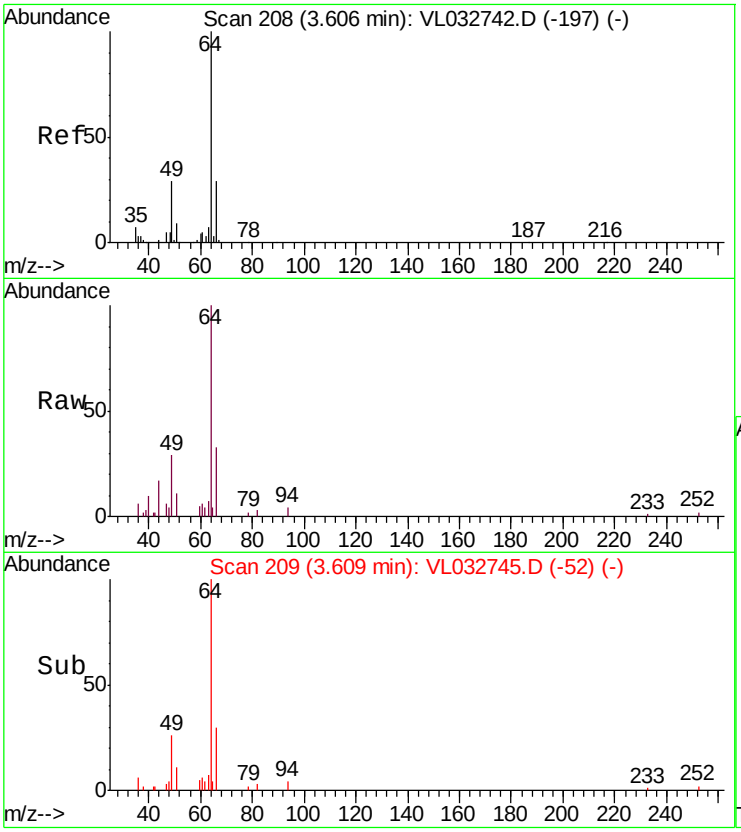


#6
Bromomethane
Concen: 0.508 ppbv
RT: 3.52 min Scan# 182
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 94 Resp: 24425

Ion	Ratio	Lower	Upper
94	100		
96	83.1	70.2	105.2



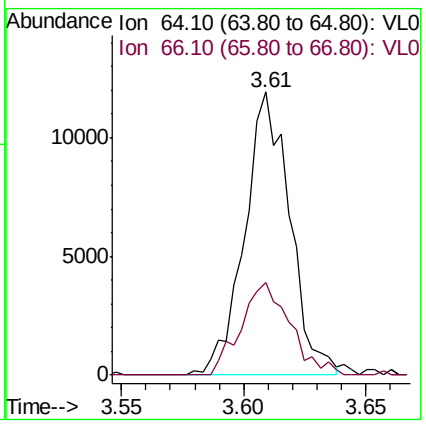


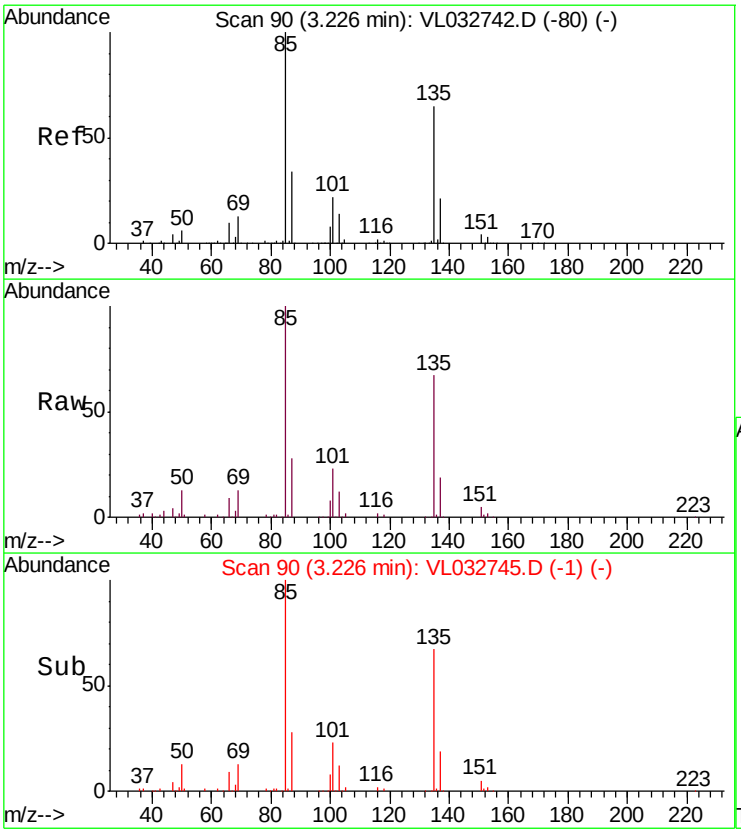
#7
Chloroethane
Concen: 0.541 ppbv
RT: 3.61 min Scan# 209
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 15299

Ion	Ratio	Lower	Upper
64	100		
66	31.4	23.2	34.8

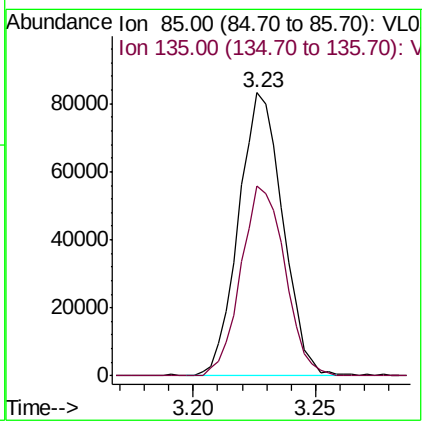


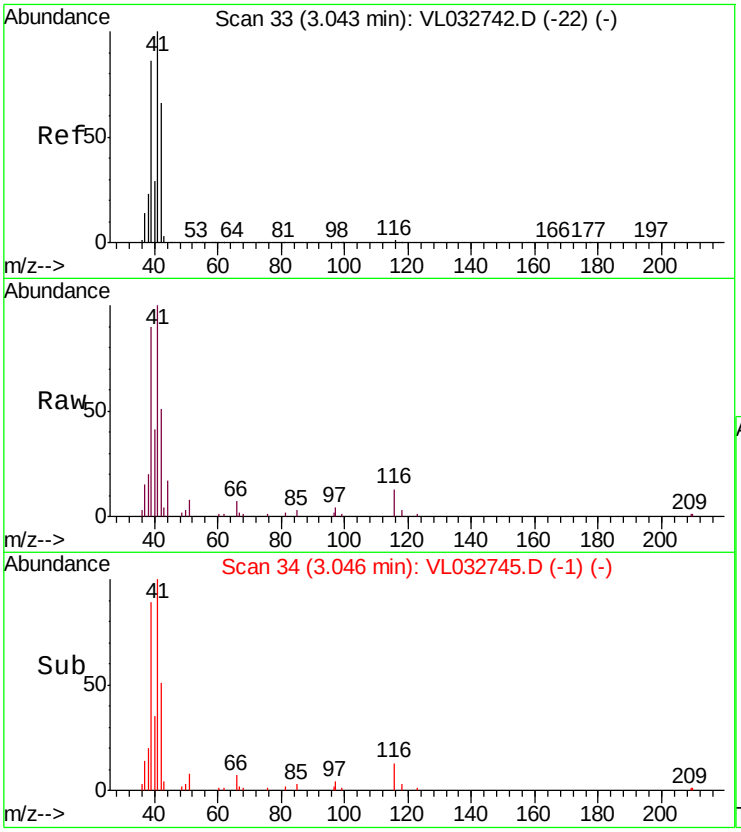


#8
Dichlorotetrafluoroethane
Concen: 0.594 ppbv
RT: 3.23 min Scan# 90
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 85 Resp: 104113

Ion	Ratio	Lower	Upper
85	100		
135	67.0	53.8	80.8



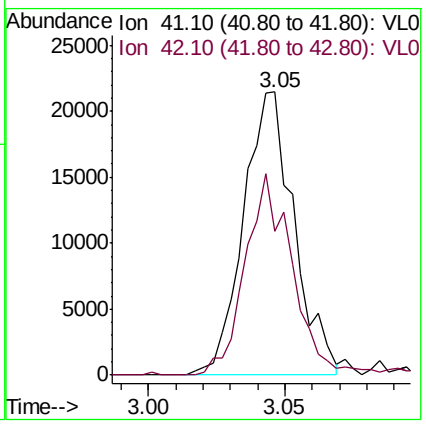


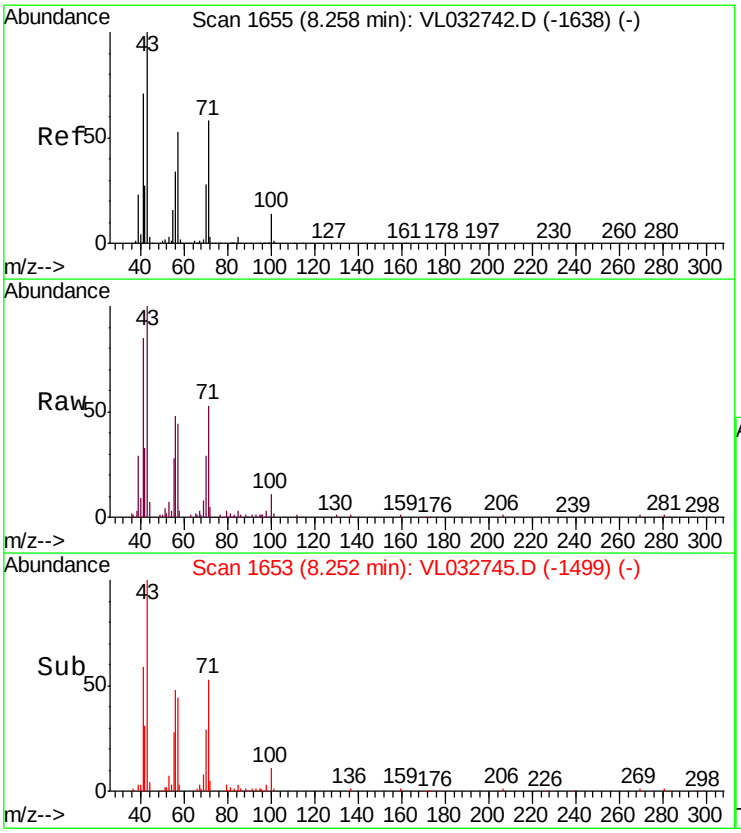
#9
Propene
Concen: 0.533 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 27623

Ion	Ratio	Lower	Upper
41	100		
42	67.1	55.0	82.6

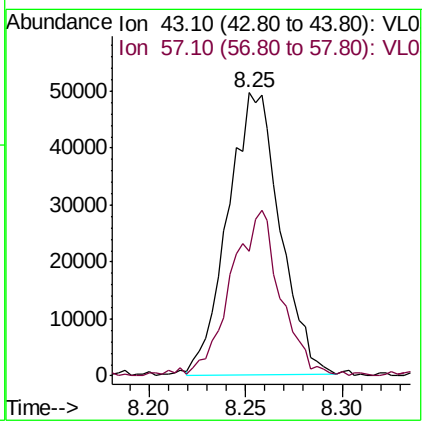


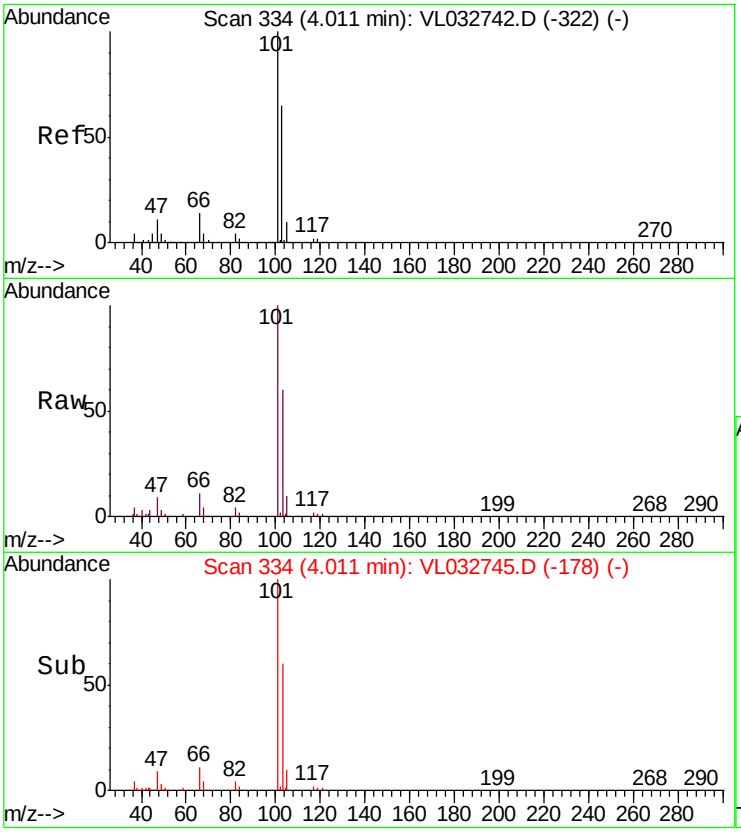


#10
Heptane
Concen: 0.465 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 43 Resp: 93414

Ion	Ratio	Lower	Upper
43	100		
57	56.1	41.8	62.8



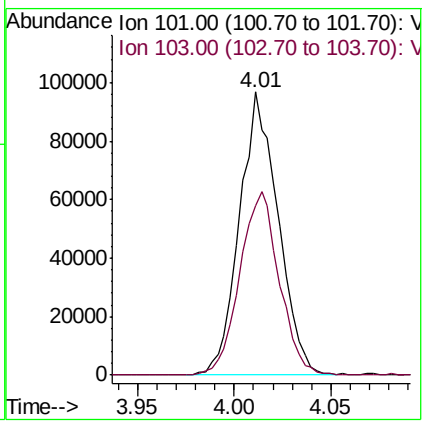


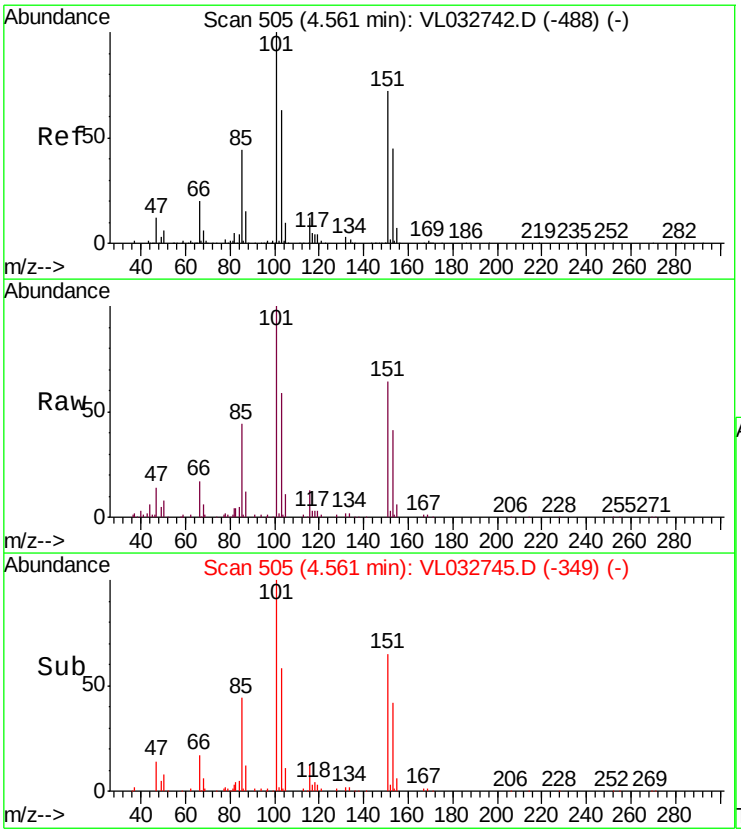
#11
Trichlorofluoromethane
Concen: 0.616 ppbv
RT: 4.01 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 134328

Ion	Ratio	Lower	Upper
101	100		
103	60.0	51.6	77.4

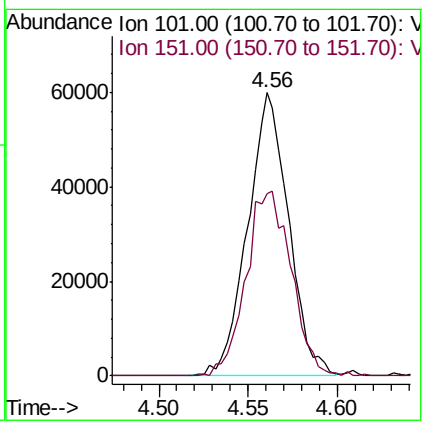


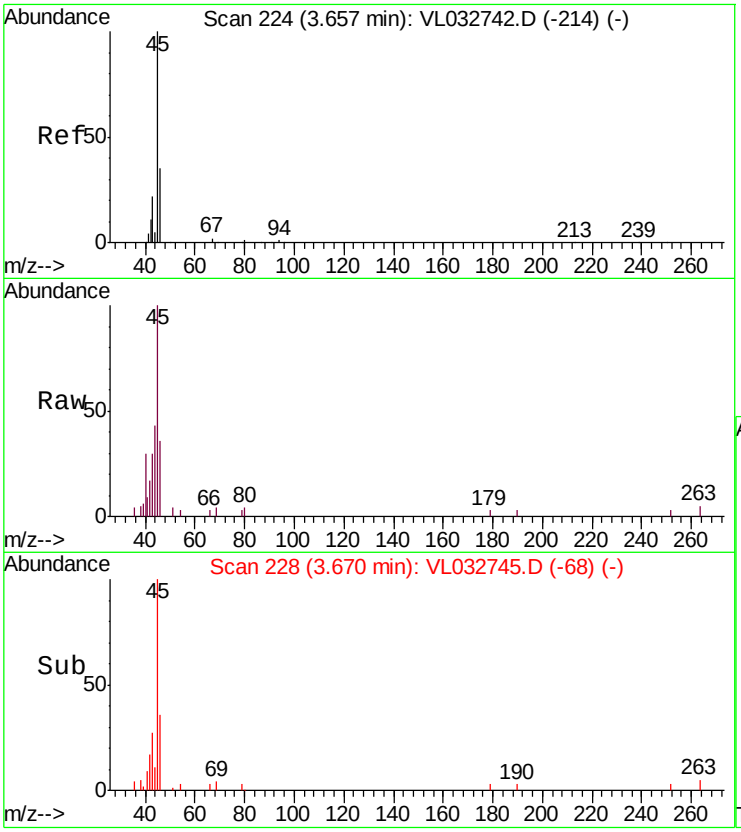


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.546 ppbv
RT: 4.56 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:101 Resp: 96125

Ion	Ratio	Lower	Upper
101	100		
151	72.2	56.7	85.1



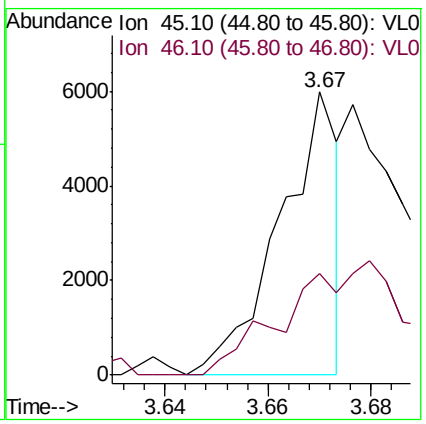


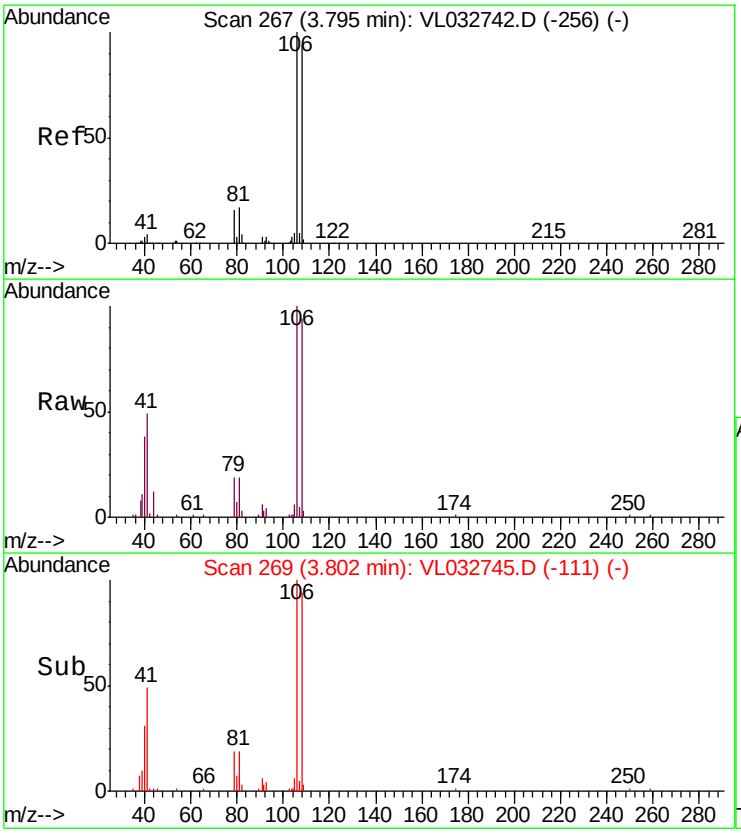
#13
Ethanol
Concen: 0.322 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 45 Resp: 4720

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.5	57.9#

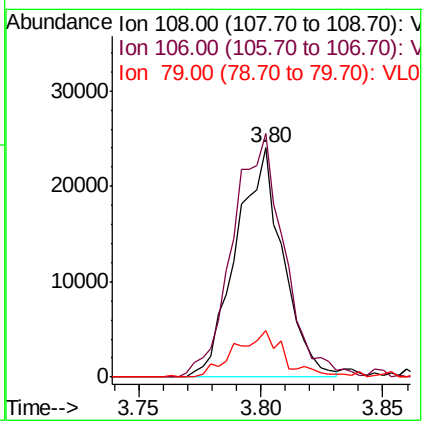


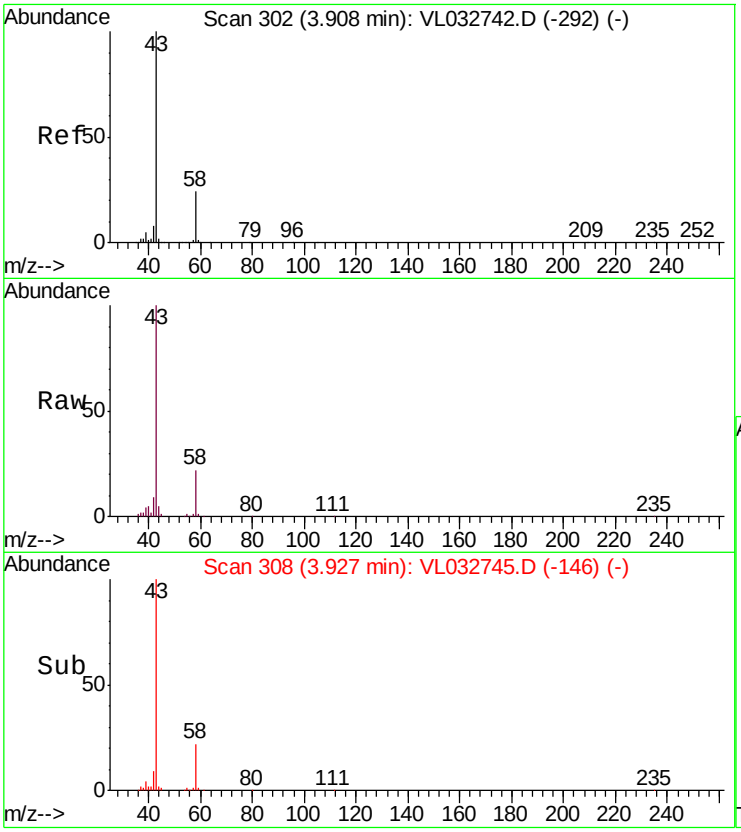


#14
Bromoethene
Concen: 0.528 ppbv
RT: 3.80 min Scan# 269
Delta R.T. 0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:108 Resp: 31981

Ion	Ratio	Lower	Upper
108	100		
106	117.4	84.9	127.3
79	21.9	14.2	21.4#



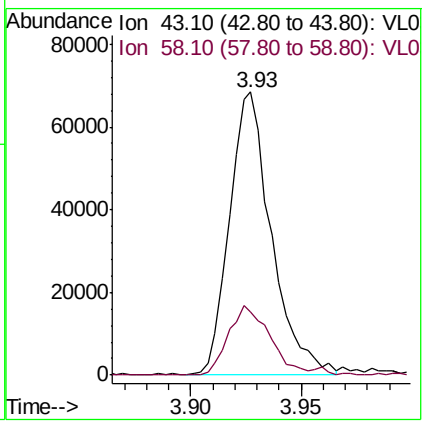


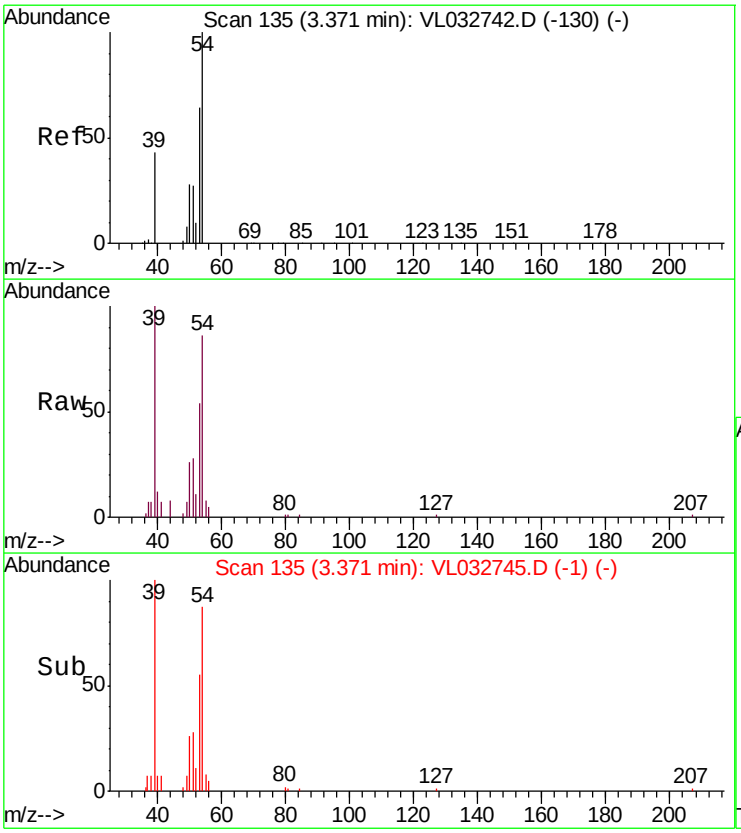
#15
Acetone
Concen: 0.605 ppbv
RT: 3.93 min Scan# 308
Delta R.T. 0.02 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 90455

Ion	Ratio	Lower	Upper
43	100		
58	25.2	21.1	31.7

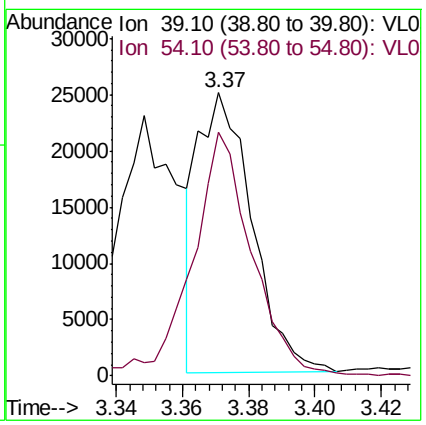


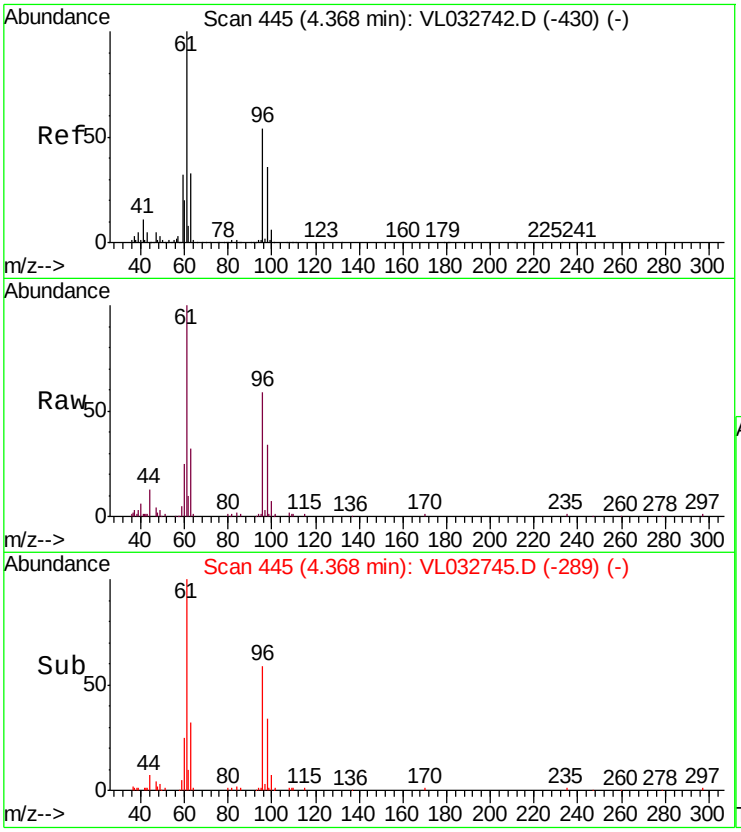


#16
1,3-Butadiene
Concen: 0.494 ppbv
RT: 3.37 min Scan# 135
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 39 Resp: 28035

Ion	Ratio	Lower	Upper
39	100		
54	97.5	68.9	103.3



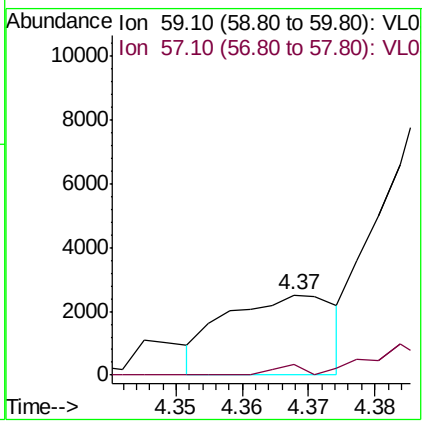


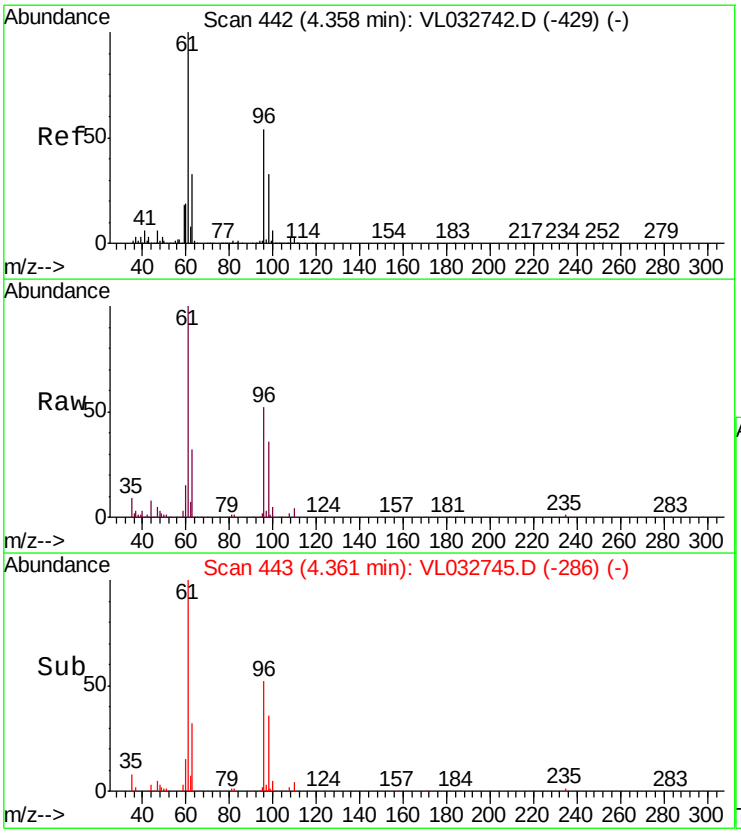
#17
tert-Butyl alcohol
Concen: 0.069 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 2900

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

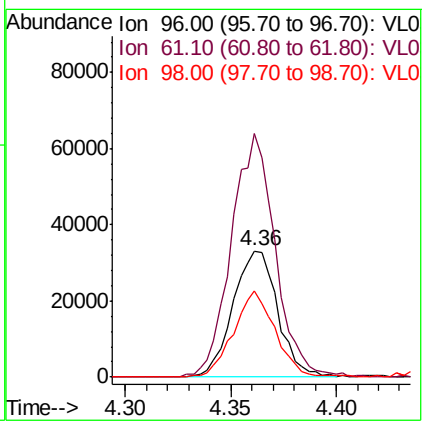


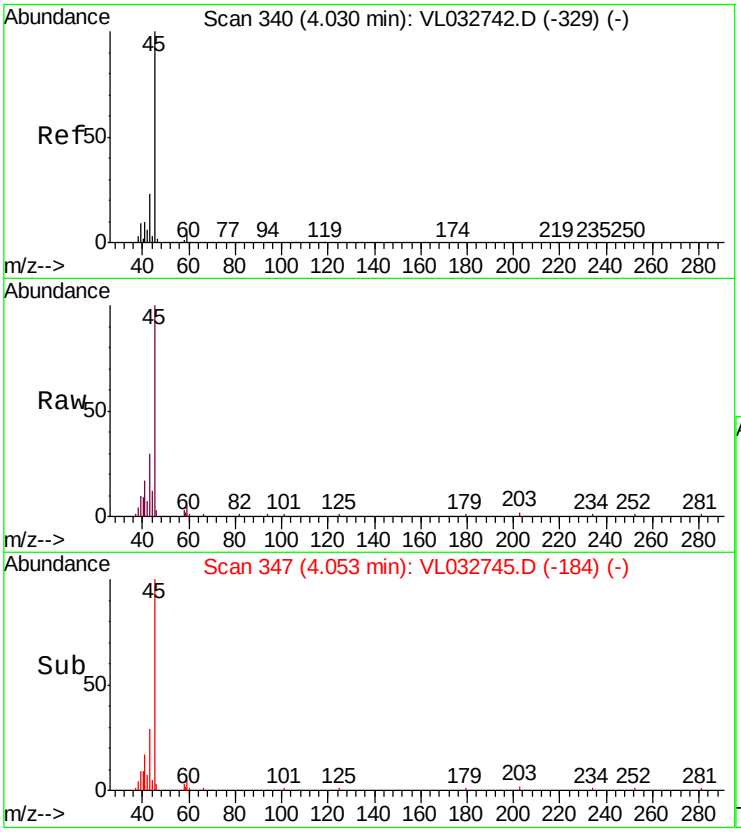


#18
1,1-Dichloroethene
Concen: 0.615 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 96 Resp: 48854

Ion	Ratio	Lower	Upper
96	100		
61	191.6	148.5	222.7
98	68.2	48.6	72.8



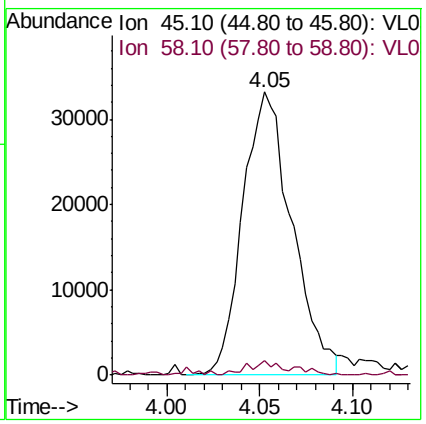


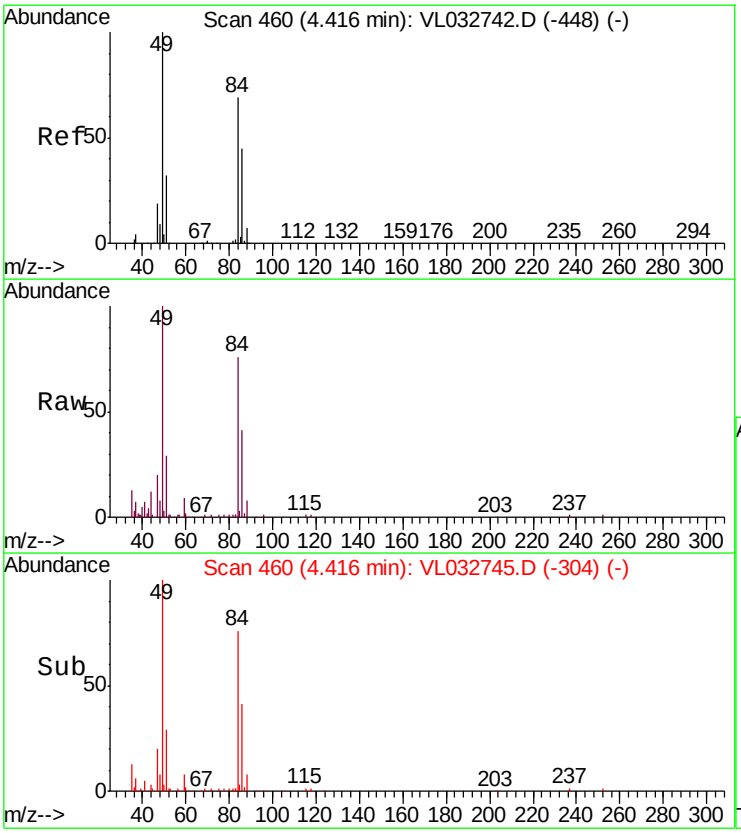
#19
Isopropyl Alcohol
Concen: 0.588 ppbv
RT: 4.05 min Scan# 347
Delta R.T. 0.02 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 61331

Ion	Ratio	Lower	Upper
45	100		
58	4.3	1.4	2.0#

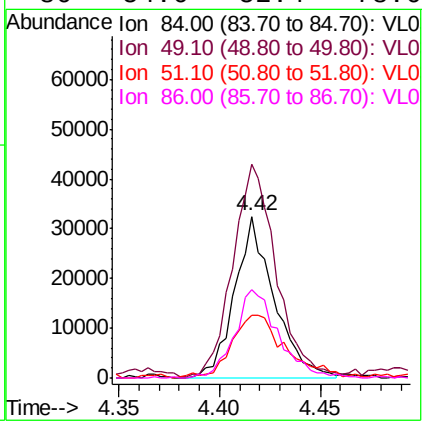


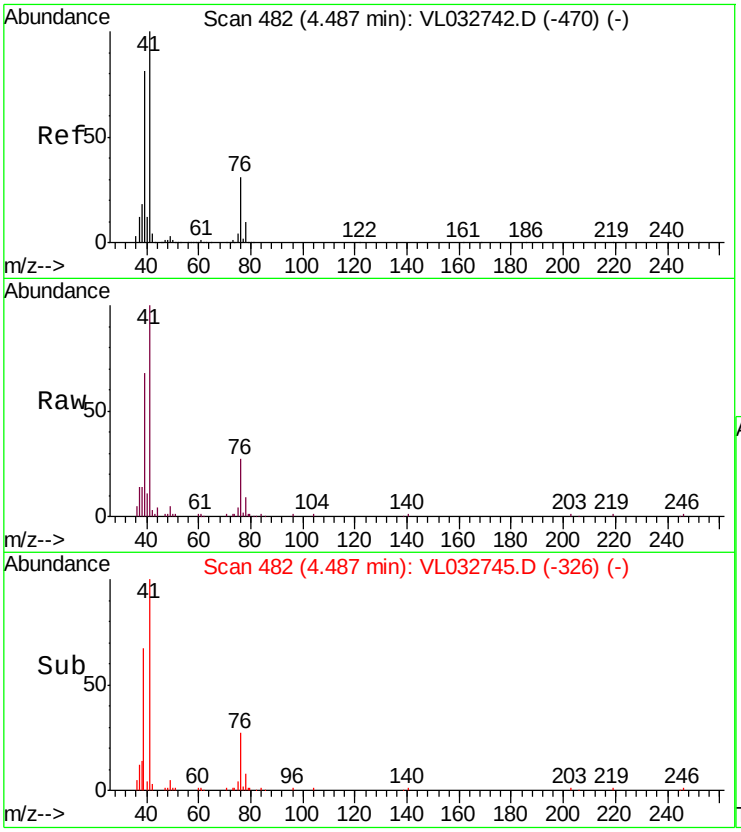


#20
Methylene Chloride
Concen: 0.587 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 84 Resp: 44678

Ion	Ratio	Lower	Upper
84	100		
49	131.2	115.8	173.6
51	37.2	36.9	55.3
86	54.6	52.4	78.6



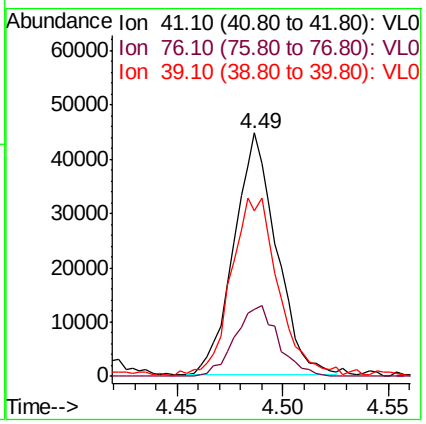


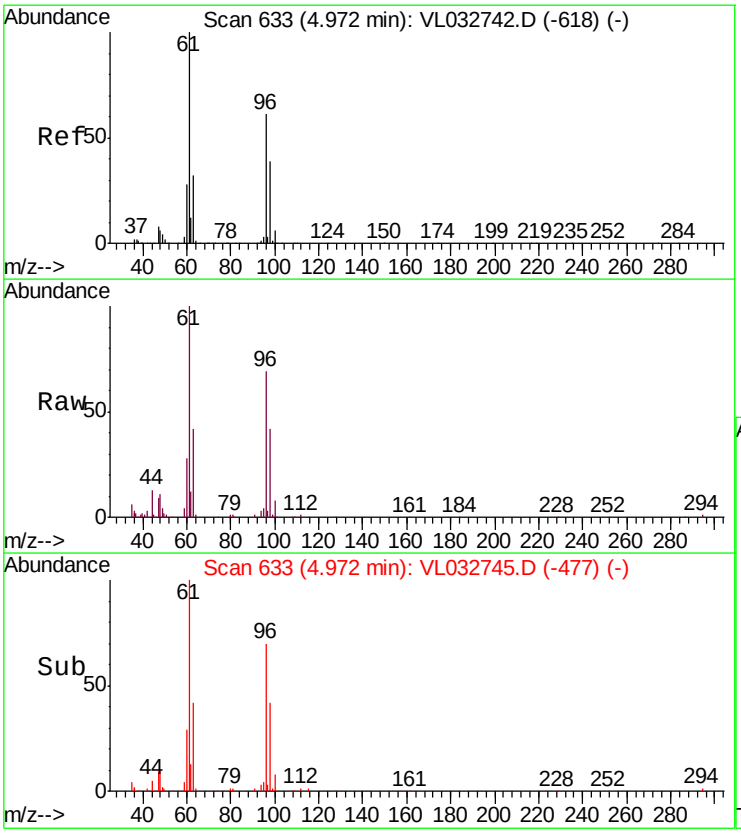
#21
Allyl Chloride
Concen: 0.524 ppbv
RT: 4.49 min Scan# 482
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 62782

Ion	Ratio	Lower	Upper
41	100		
76	29.4	24.4	36.6
39	82.1	63.5	95.3

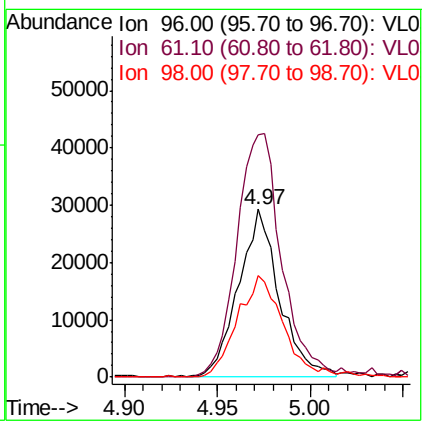


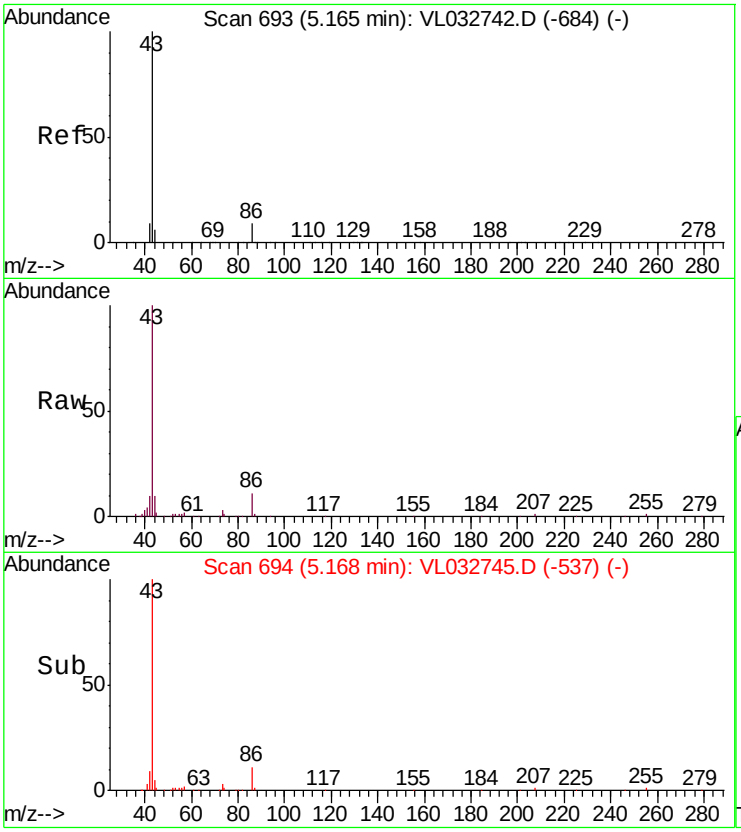


#22
trans-1,2-Dichloroethene
Concen: 0.551 ppbv
RT: 4.97 min Scan# 633
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 96 Resp: 45041

Ion	Ratio	Lower	Upper
96	100		
61	144.2	130.2	195.2
98	60.3	50.2	75.2



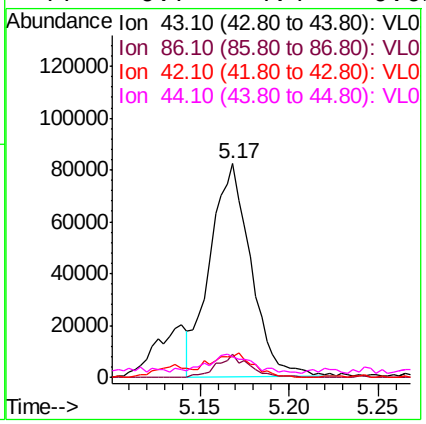


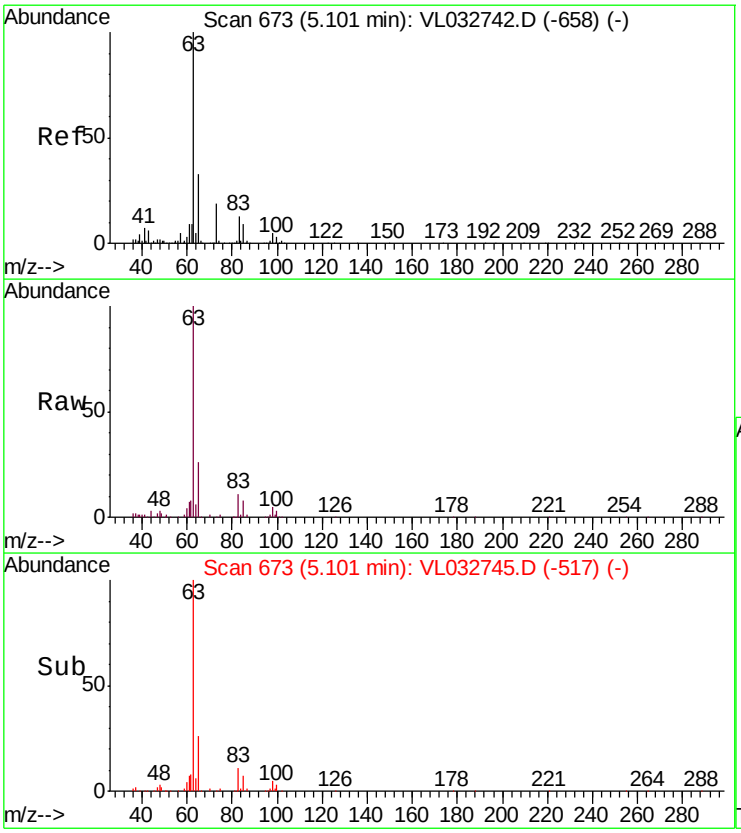
#23
Vinyl Acetate
Concen: 0.482 ppbv
RT: 5.17 min Scan# 694
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 130269

Ion	Ratio	Lower	Upper
43	100		
86	10.6	6.2	9.4#
42	9.5	7.8	11.6
44	6.7	4.4	6.6#

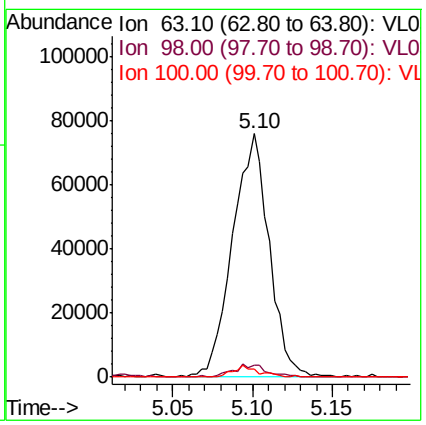


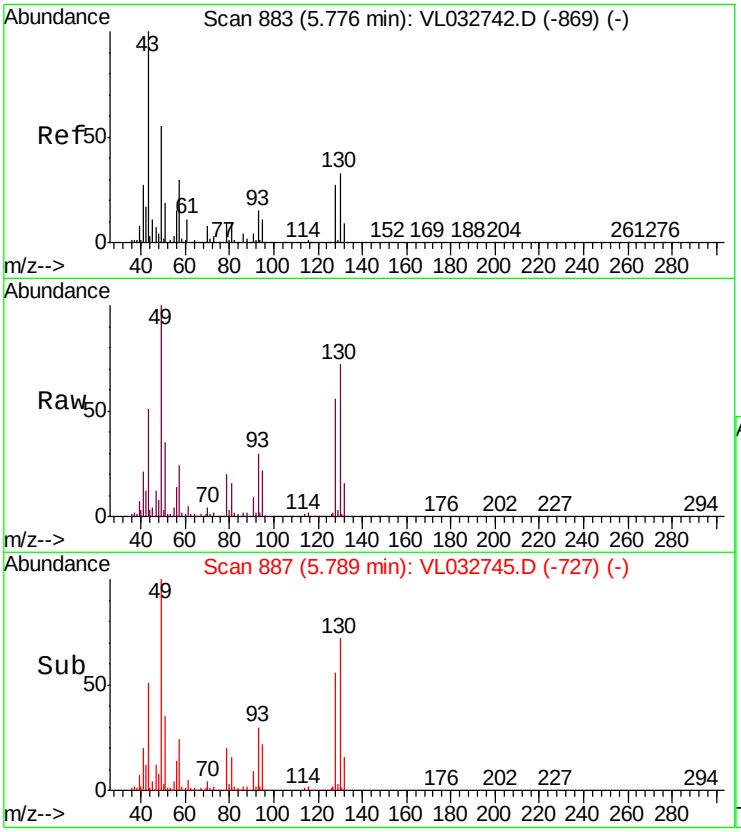


#24
1,1-Dichloroethane
Concen: 0.556 ppbv
RT: 5.10 min Scan# 673
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 63 Resp: 118054

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.3	6.8
100	3.2	1.4	4.2



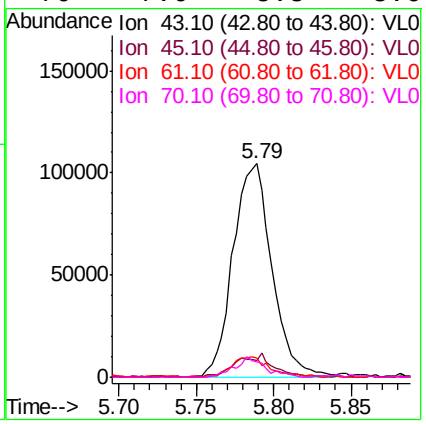


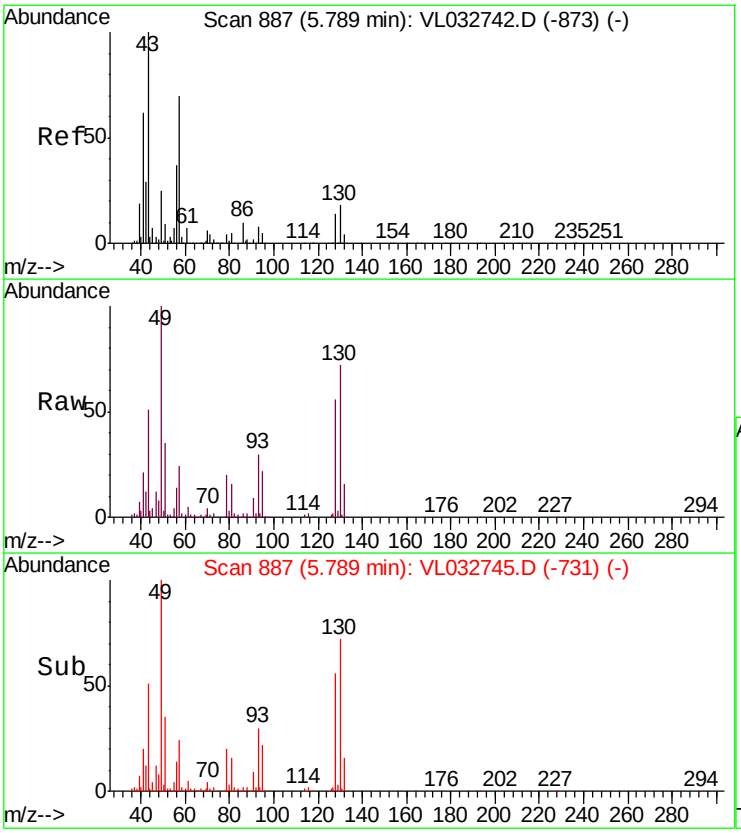
#25
Ethyl Acetate
Concen: 0.531 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 181898

Ion	Ratio	Lower	Upper
43	100		
45	11.0	7.9	11.9
61	9.8	7.8	11.6
70	7.6	5.8	8.6

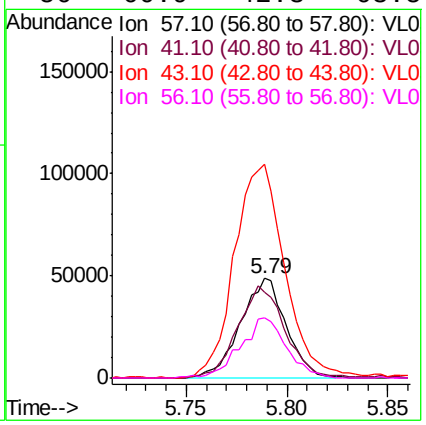


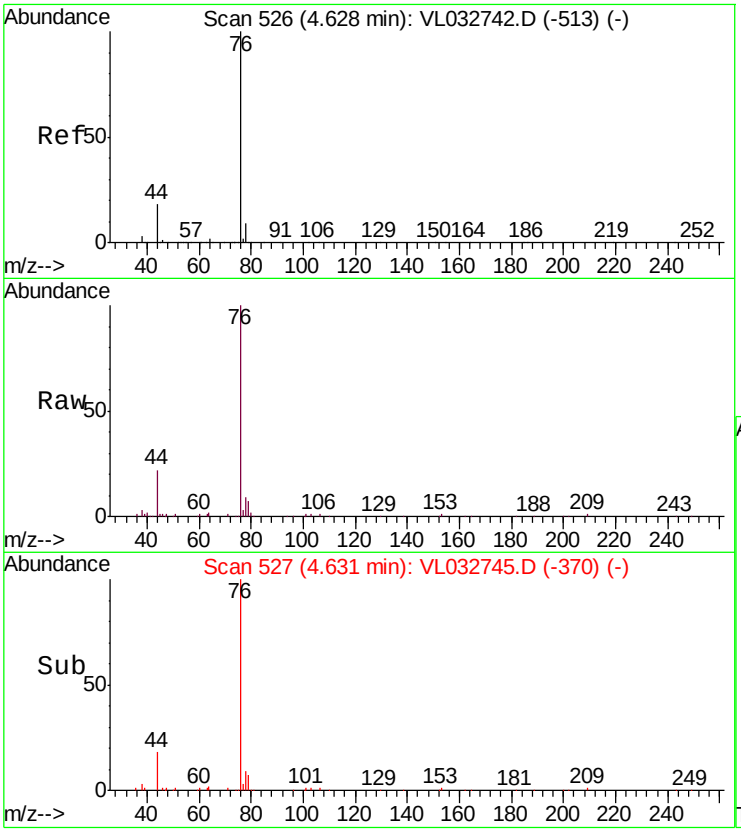


#26
Hexane
Concen: 0.477 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 57 Resp: 76951

Ion	Ratio	Lower	Upper
57	100		
41	95.9	70.3	105.5
43	242.6	174.0	261.0
56	60.9	42.3	63.5



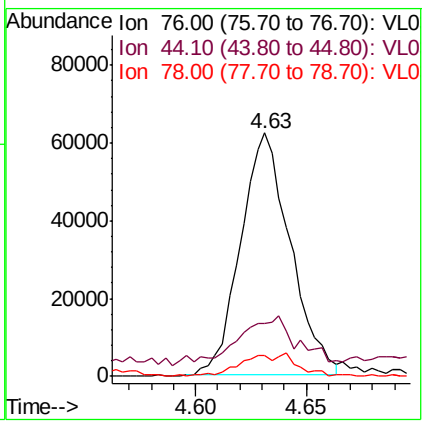


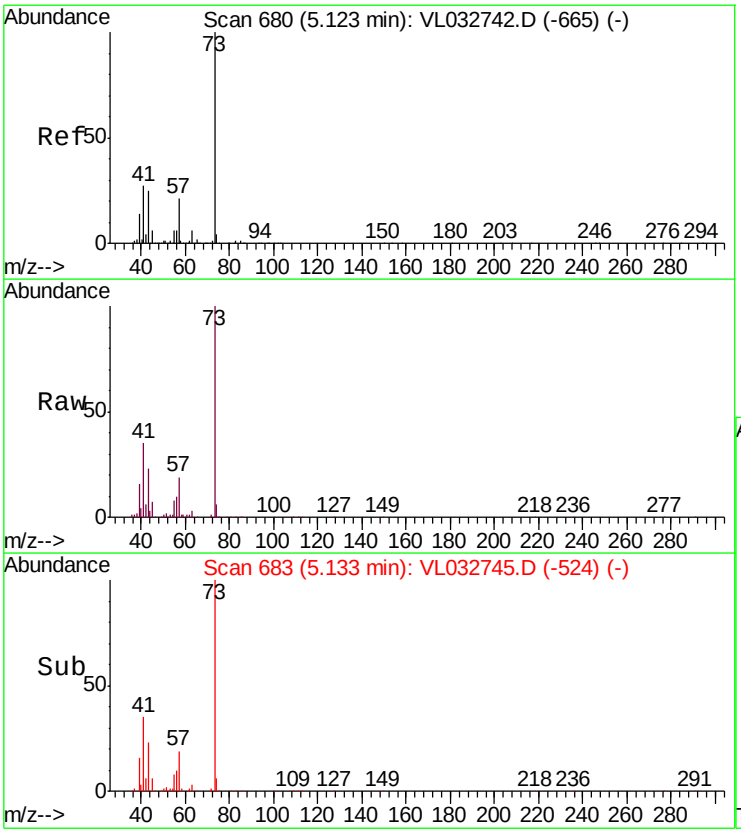
#27
Carbon Disulfide
Concen: 0.503 ppbv
RT: 4.63 min Scan# 527
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 76 Resp: 97222

Ion	Ratio	Lower	Upper
76	100		
44	28.4	14.4	21.6#
78	10.9	7.7	11.5

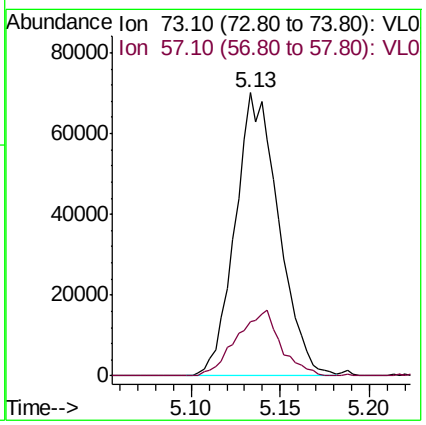


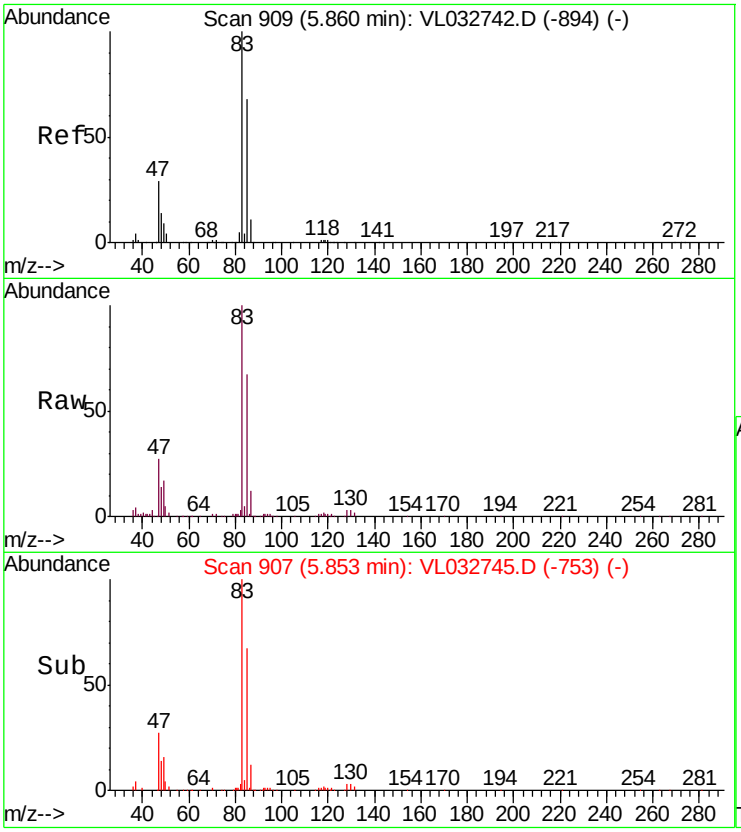


#28
Methyl tert-Butyl Ether
Concen: 0.501 ppbv
RT: 5.13 min Scan# 683
Delta R.T. 0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 73 Resp: 119857

Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.5	26.3



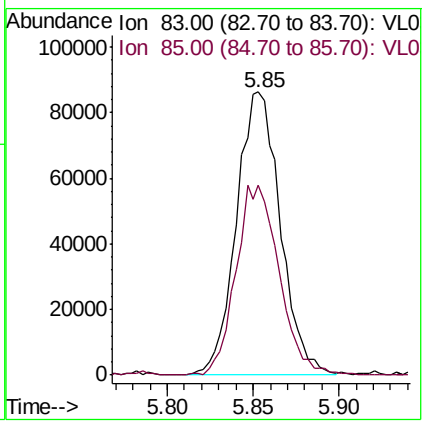


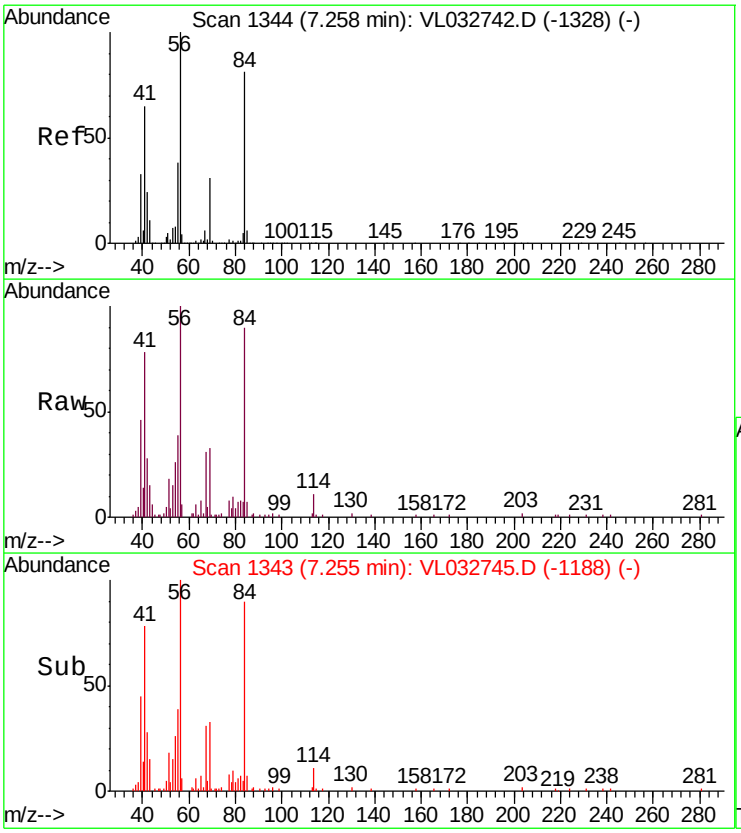
#29
Chloroform
Concen: 0.586 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 152965

Ion	Ratio	Lower	Upper
83	100		
85	66.9	54.2	81.4

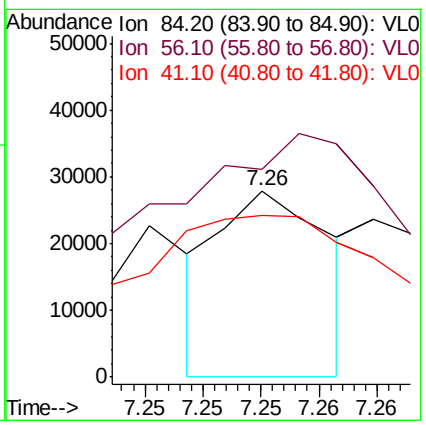


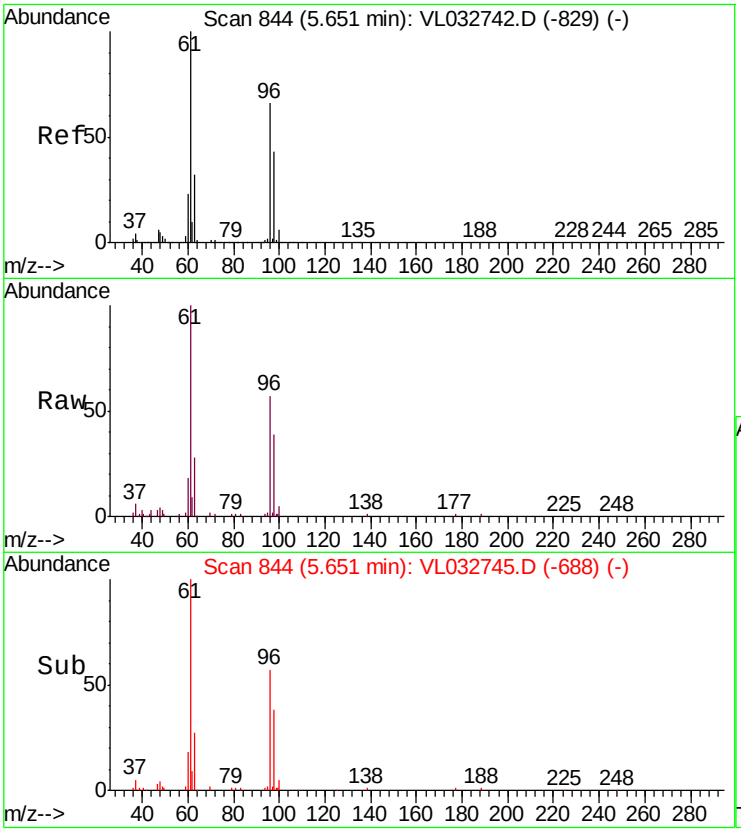


#30
Cyclohexane
Concen: 0.141 ppbv
RT: 7.26 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 84 Resp: 18232

Ion	Ratio	Lower	Upper
84	100		
56	359.3	105.0	157.4#
41	267.3	65.3	97.9#



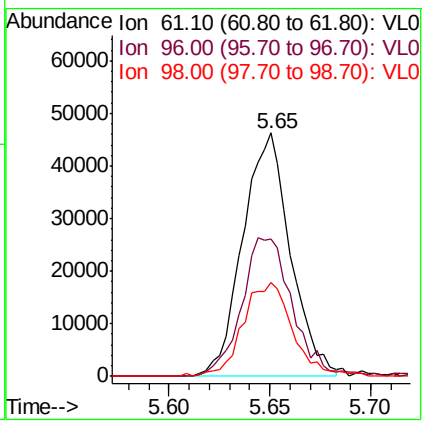


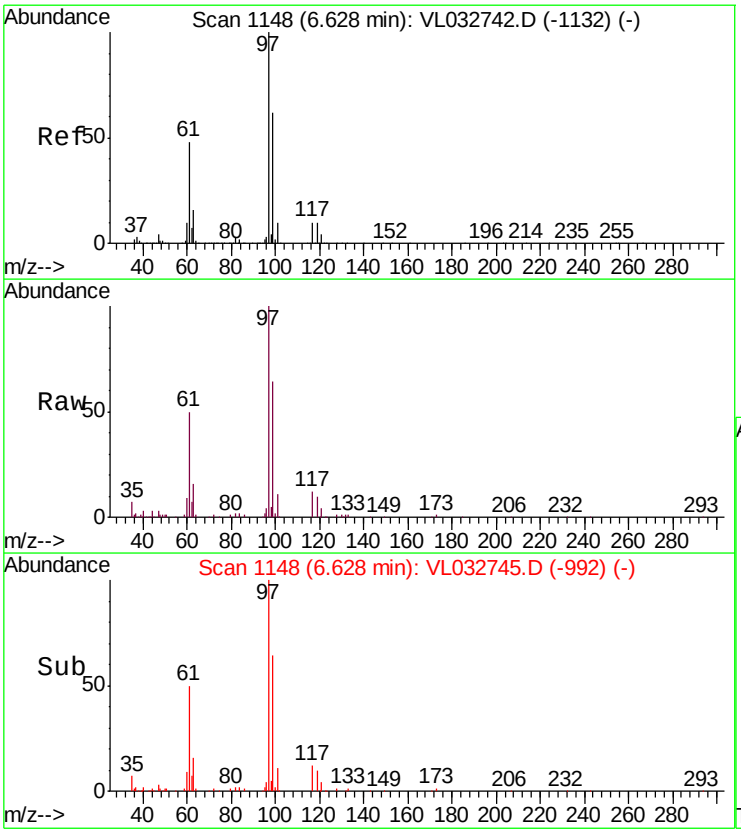
#31
cis-1,2-Dichloroethene
Concen: 0.508 ppbv
RT: 5.65 min Scan# 844
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 76454

Ion	Ratio	Lower	Upper
61	100		
96	56.7	53.2	79.8
98	37.8	34.4	51.6

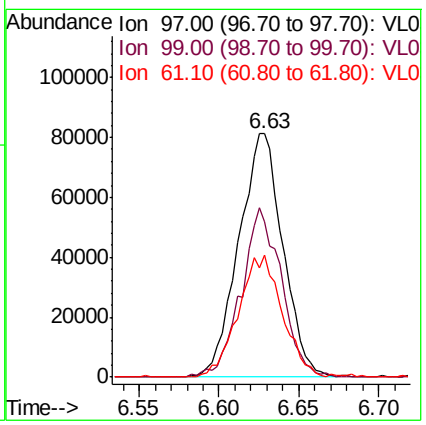


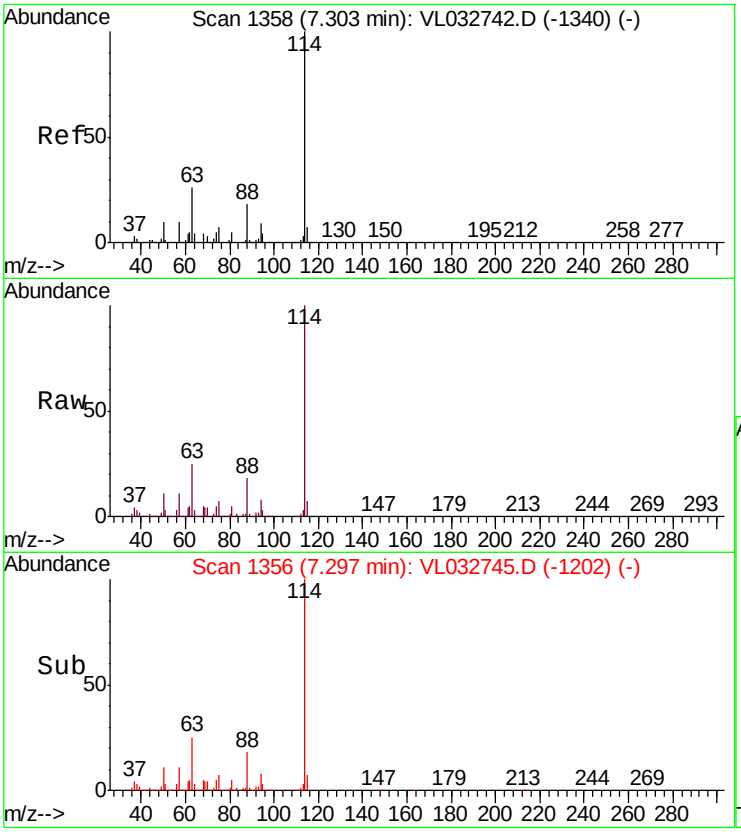


#32
1,1,1-Trichloroethane
Concen: 0.574 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 97 Resp: 153582

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.8	77.6
61	50.2	39.7	59.5



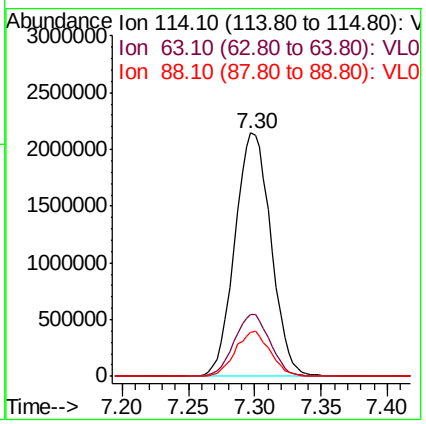


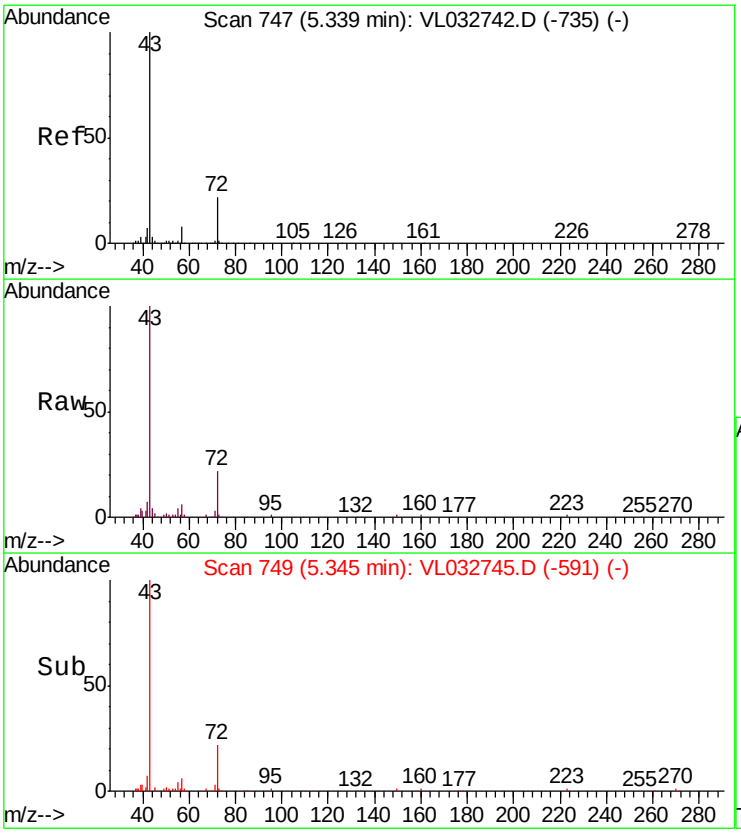
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 4069912

Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.9	31.3
88	17.9	14.4	21.6

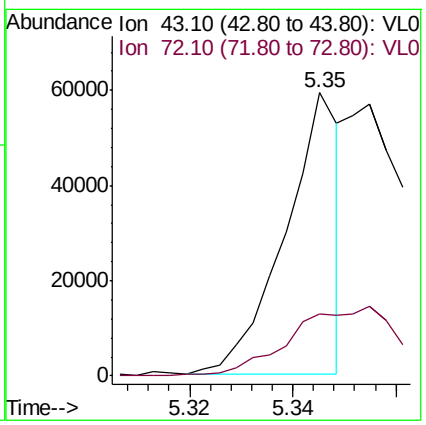


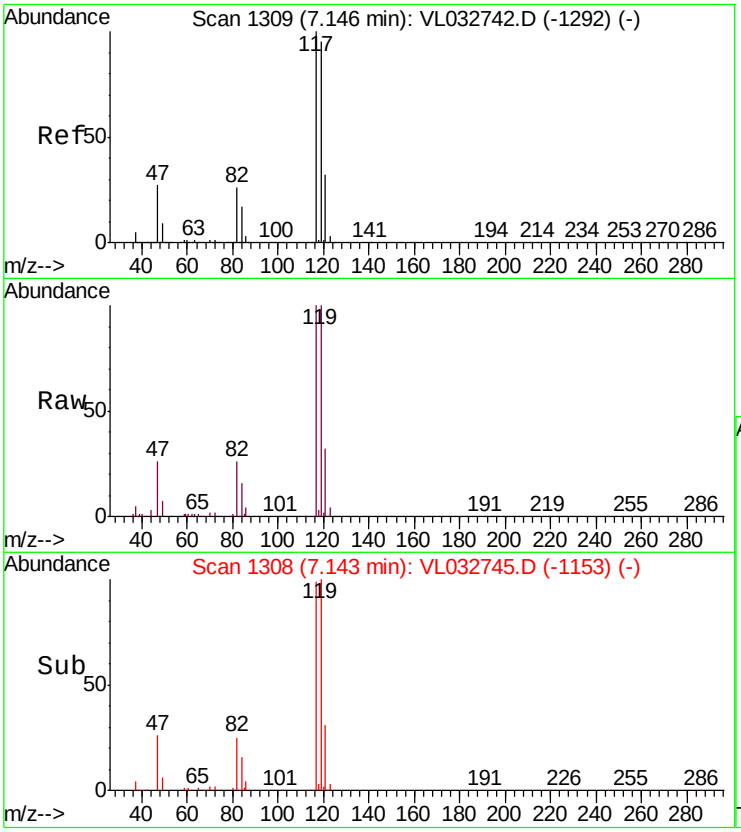


#34
2-Butanone
Concen: 0.197 ppbv
RT: 5.35 min Scan# 749
Delta R.T. 0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 43 Resp: 43051

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.4	27.6#



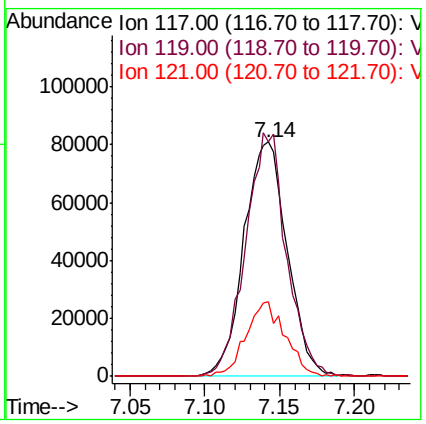


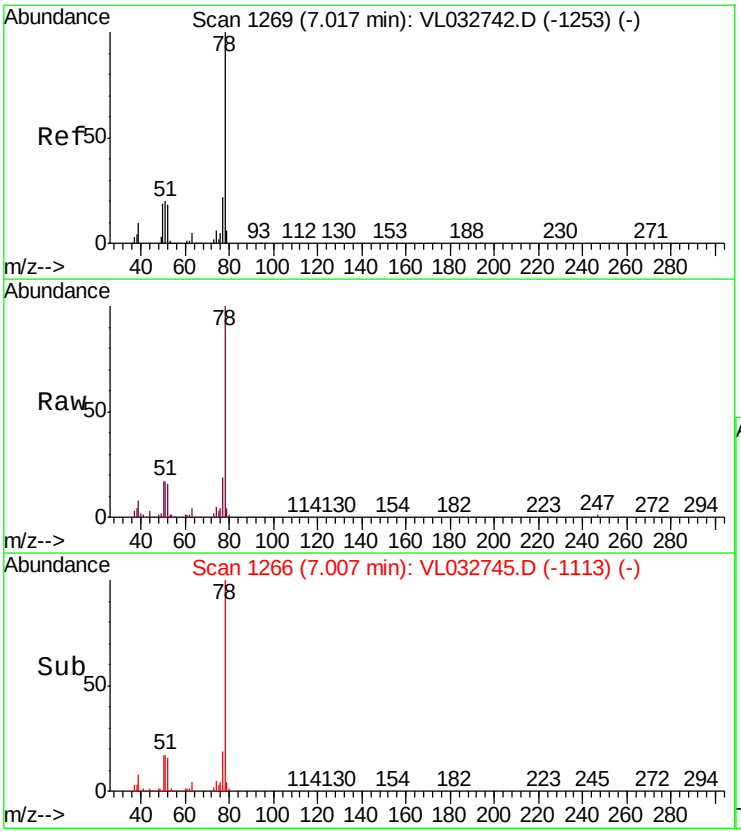
#35
Carbon Tetrachloride
Concen: 0.559 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 163070

Ion	Ratio	Lower	Upper
117	100		
119	100.3	76.1	114.1
121	32.0	25.4	38.0

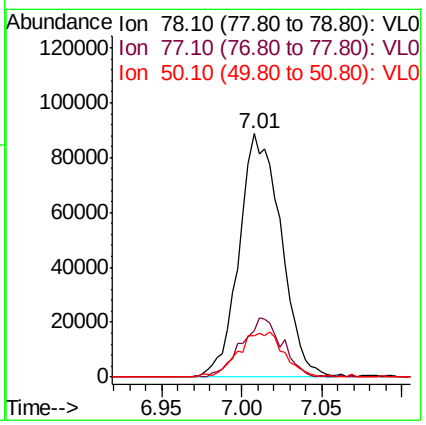


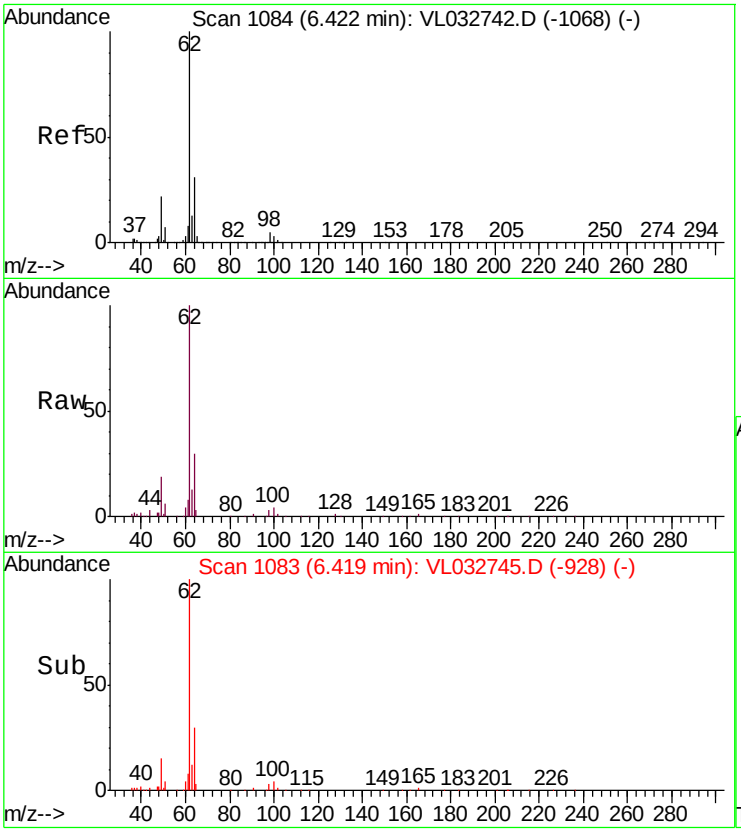


#36
Benzene
Concen: 0.481 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 78 Resp: 158283

Ion	Ratio	Lower	Upper
78	100		
77	18.9	17.8	26.8
50	16.9	15.4	23.0



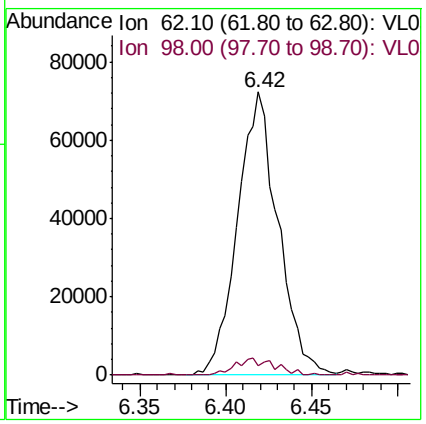


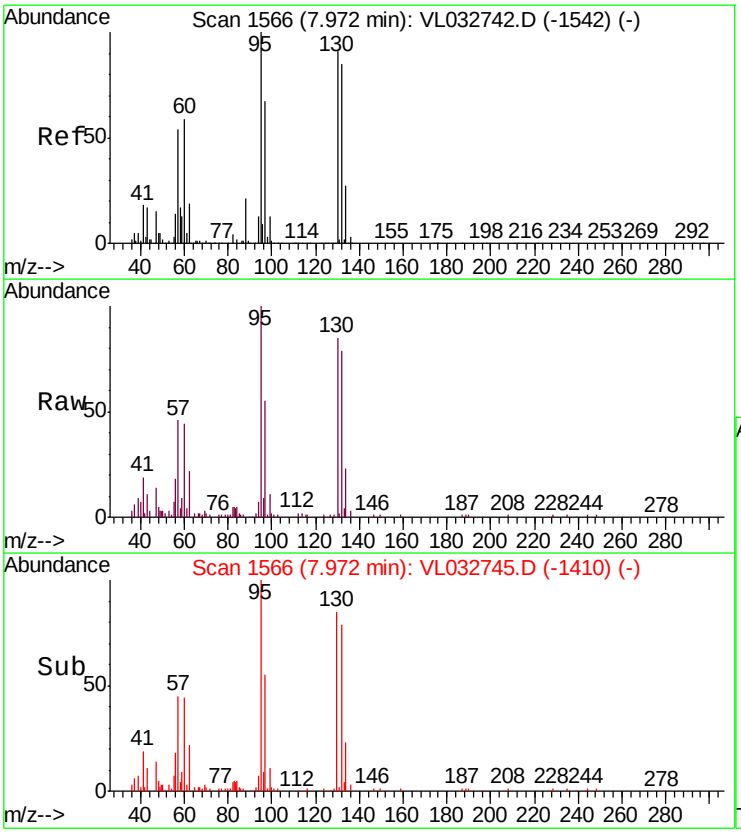
#37
1,2-Dichloroethane
Concen: 0.577 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 62 Resp: 118004

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.5	6.7

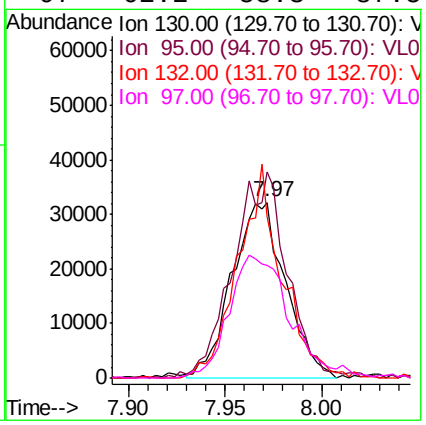


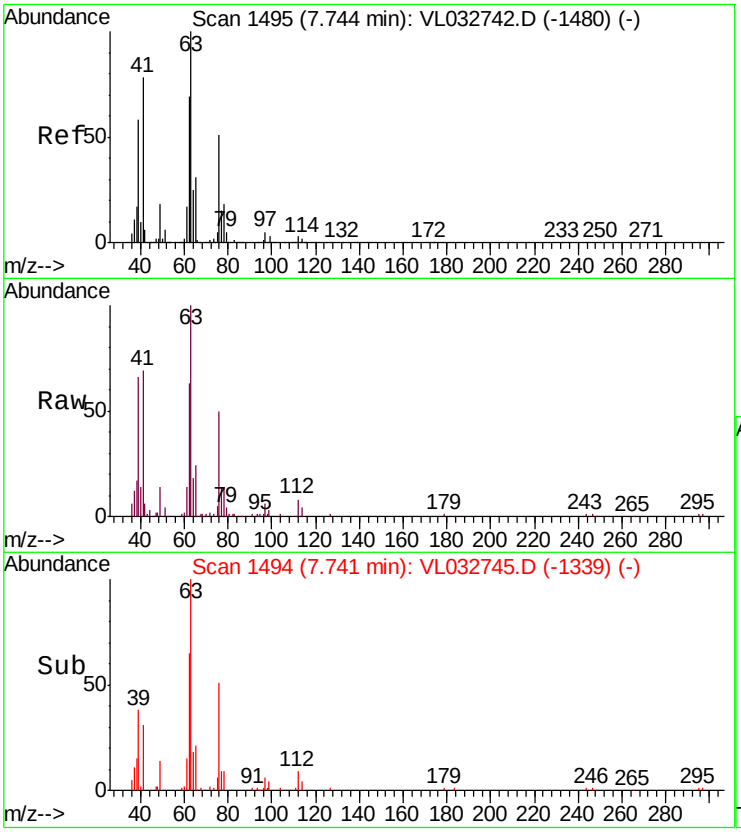


#38
Trichloroethene
Concen: 0.505 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:130 Resp: 62172

Ion	Ratio	Lower	Upper
130	100		
95	114.9	87.7	131.5
132	90.5	74.6	111.8
97	62.2	58.3	87.5



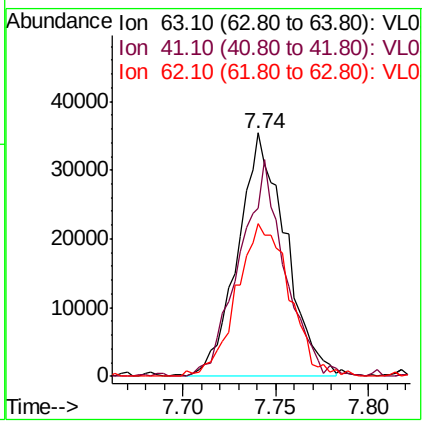


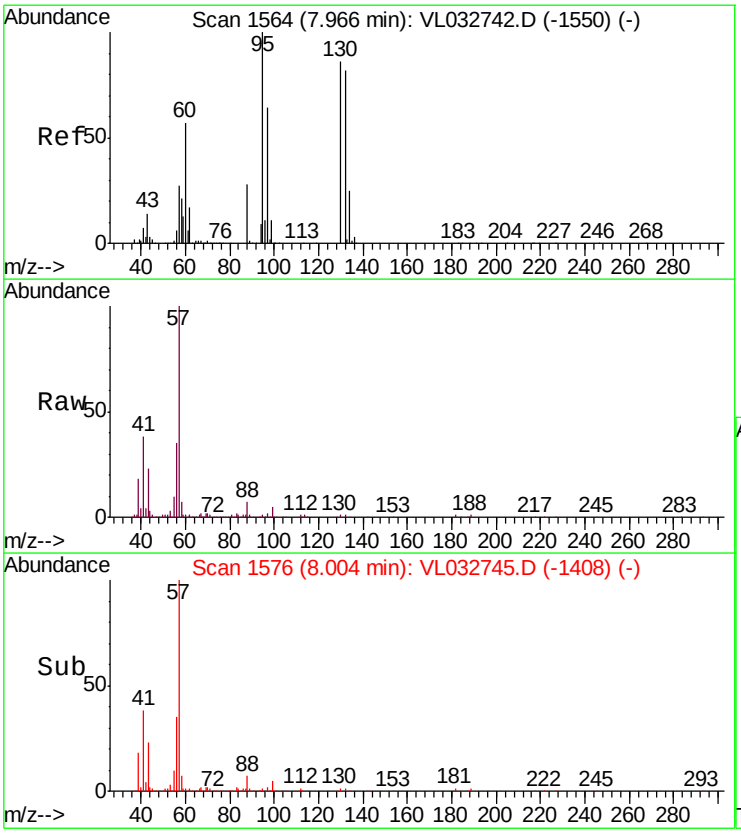
#39
1,2-Dichloropropane
Concen: 0.499 ppbv
RT: 7.74 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 63340

Ion	Ratio	Lower	Upper
63	100		
41	69.0	62.0	93.0
62	60.5	55.4	83.2

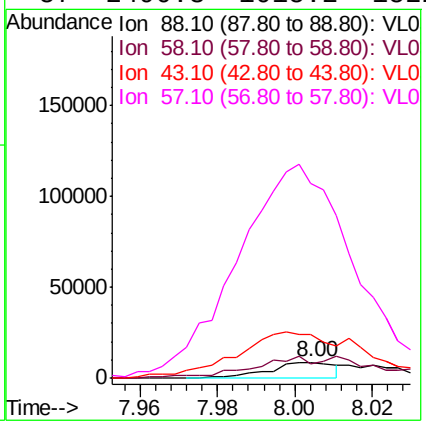


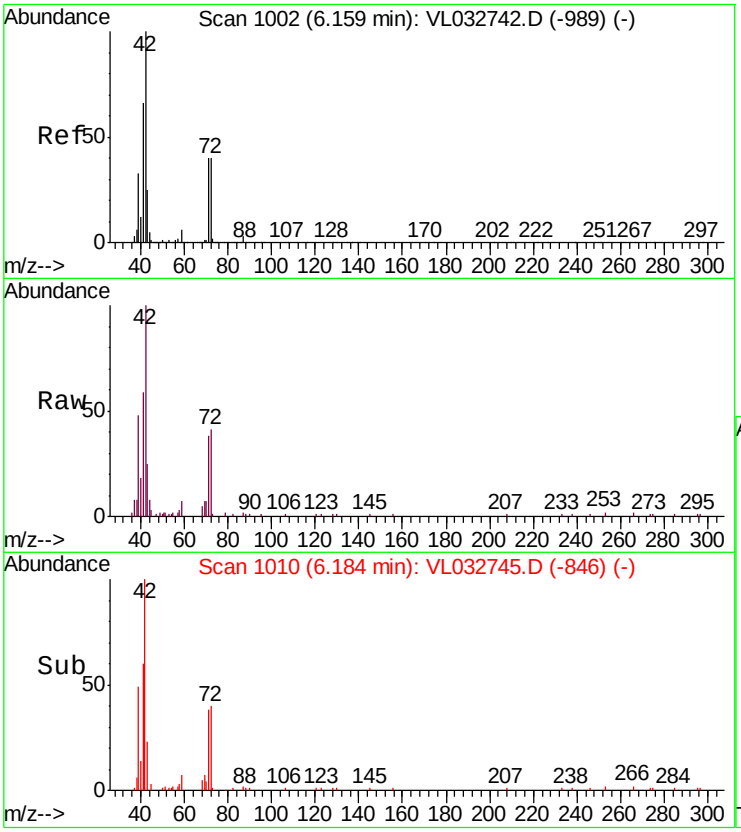


#40
1,4-Dioxane
Concen: 0.233 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. 0.04 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 88 Resp: 10076

Ion	Ratio	Lower	Upper
88	100		
58	283.6	105.3	157.9#
43	606.5	226.1	339.1#
57	2490.3	1015.2	1522.8#



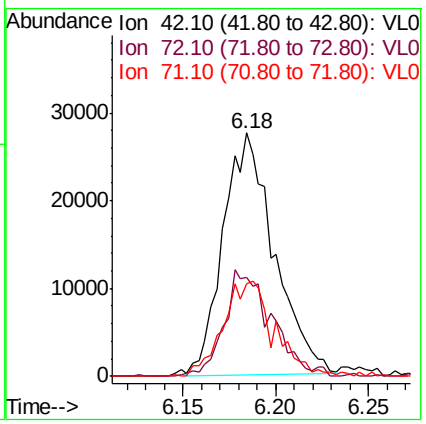


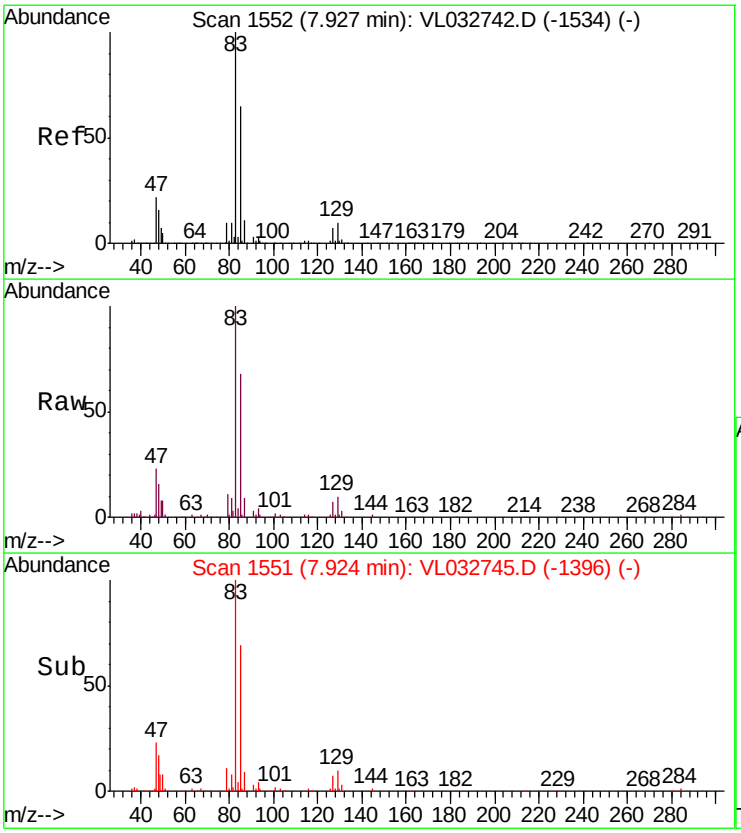
#41
Tetrahydrofuran
Concen: 0.435 ppbv
RT: 6.18 min Scan# 1010
Delta R.T. 0.03 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 42 Resp: 52649

Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.4	48.6
71	39.6	31.6	47.4

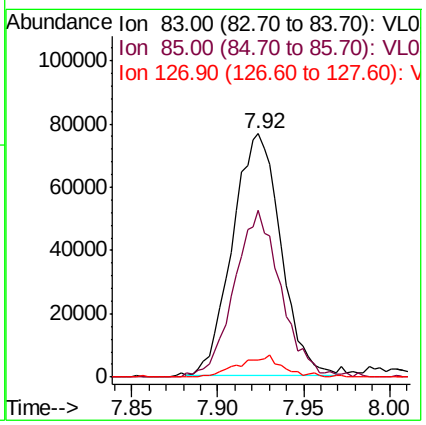


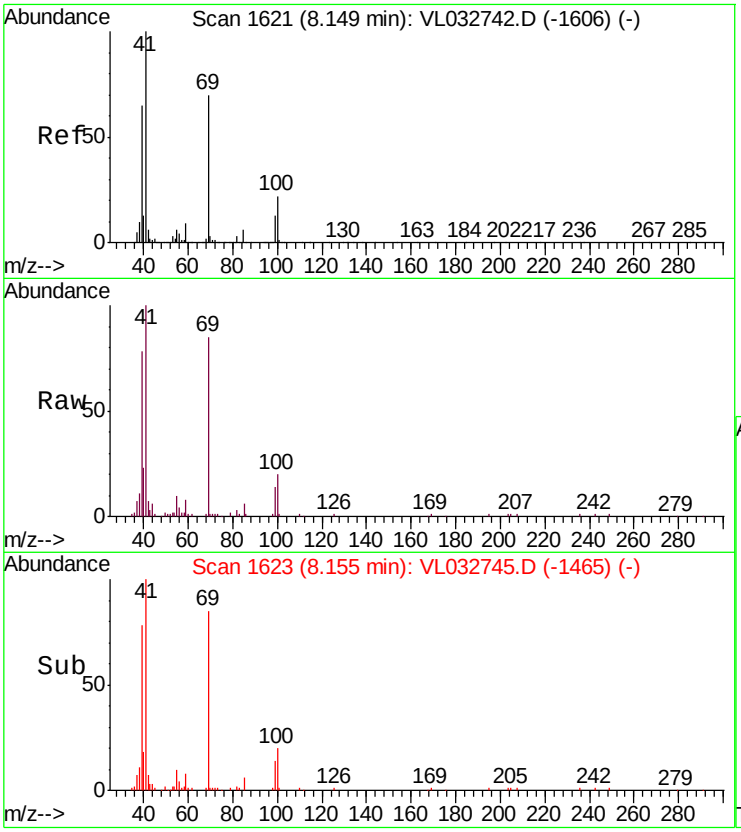


#42
Bromodichloromethane
Concen: 0.519 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 83 Resp: 148340

Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.8	77.8
127	7.1	5.9	8.9



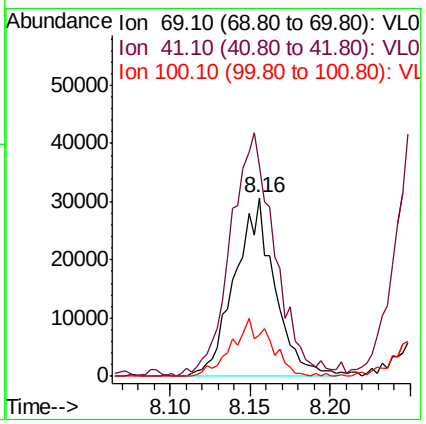


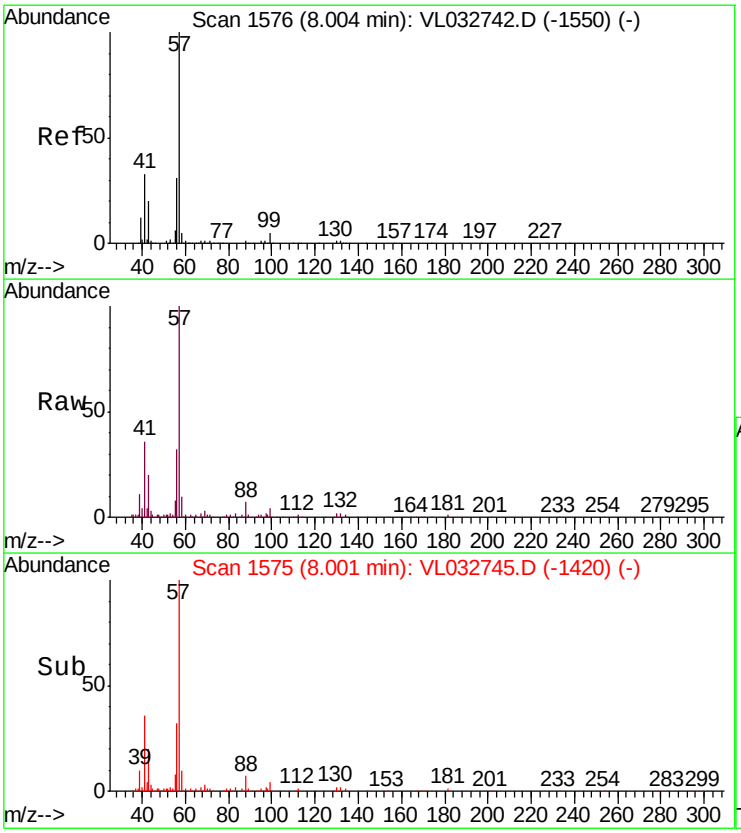
#43
Methyl Methacrylate
Concen: 0.433 ppbv
RT: 8.16 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 52347

Ion	Ratio	Lower	Upper
69	100		
41	153.3	115.0	172.4
100	31.3	25.4	38.0

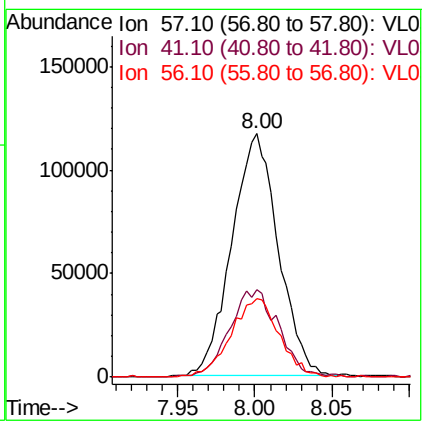


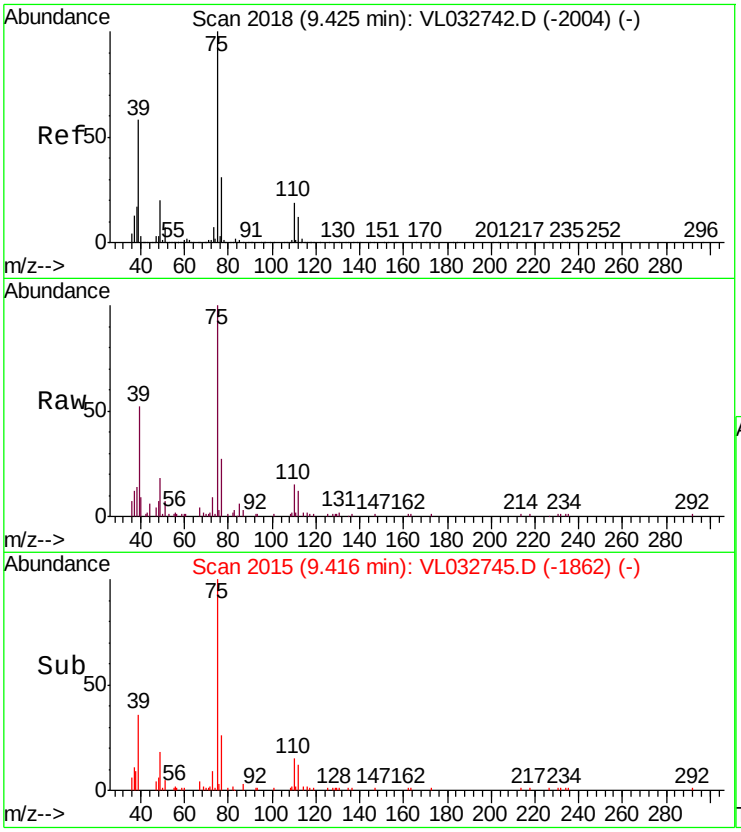


#44
2,2,4-Trimethylpentane
Concen: 0.436 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 57 Resp: 244871

Ion	Ratio	Lower	Upper
57	100		
41	38.9	26.6	39.8
56	33.8	24.8	37.2



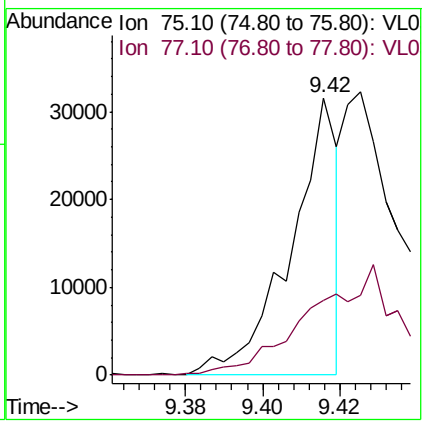


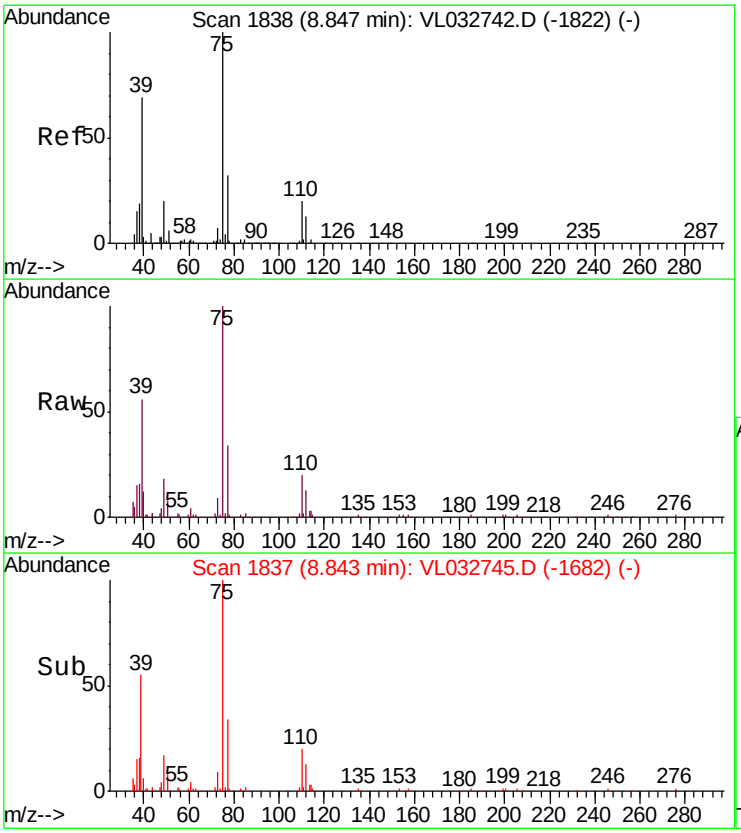
#45
t-1,3-Dichloropropene
Concen: 0.165 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 26618

Ion	Ratio	Lower	Upper
75	100		
77	26.2	24.6	36.8

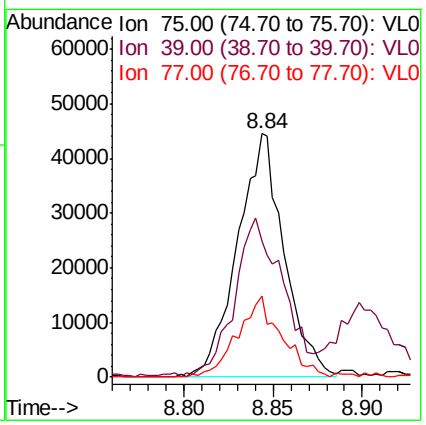


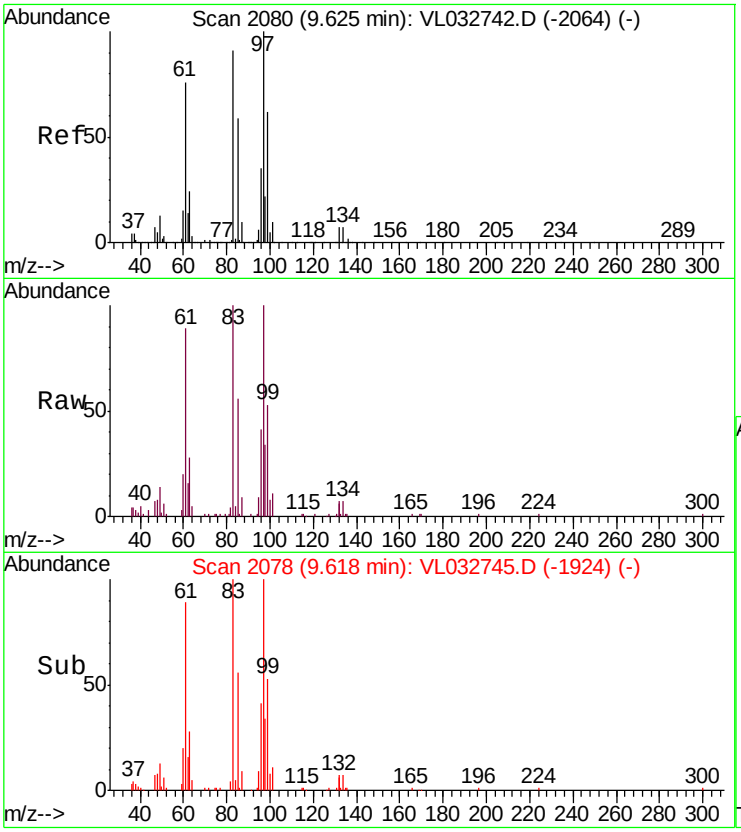


#46
cis-1,3-Dichloropropene
Concen: 0.433 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 75 Resp: 81448

Ion	Ratio	Lower	Upper
75	100		
39	53.9	55.2	82.8#
77	33.5	25.8	38.6



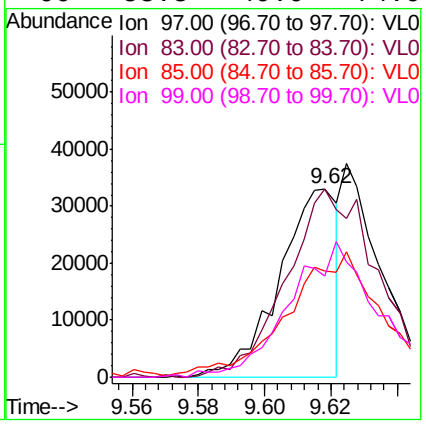


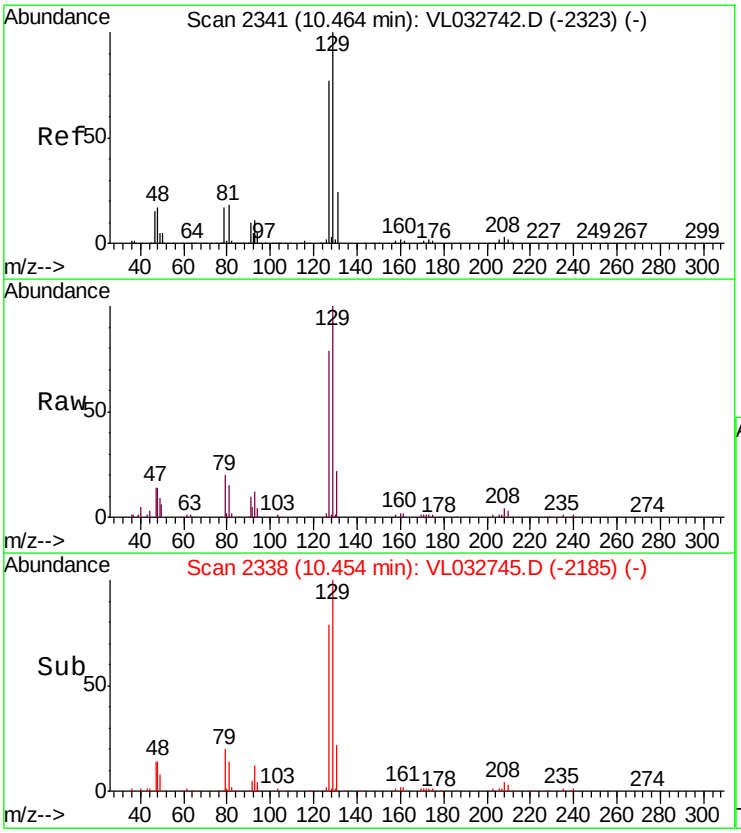
#47
1,1,2-Trichloroethane
Concen: 0.269 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 40412

Ion	Ratio	Lower	Upper
97	100		
83	99.6	73.0	109.4
85	53.7	47.0	70.4
99	53.3	49.9	74.9

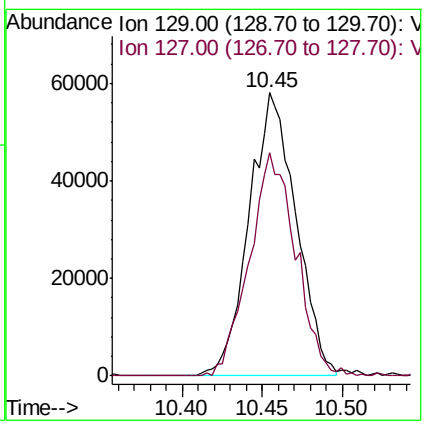


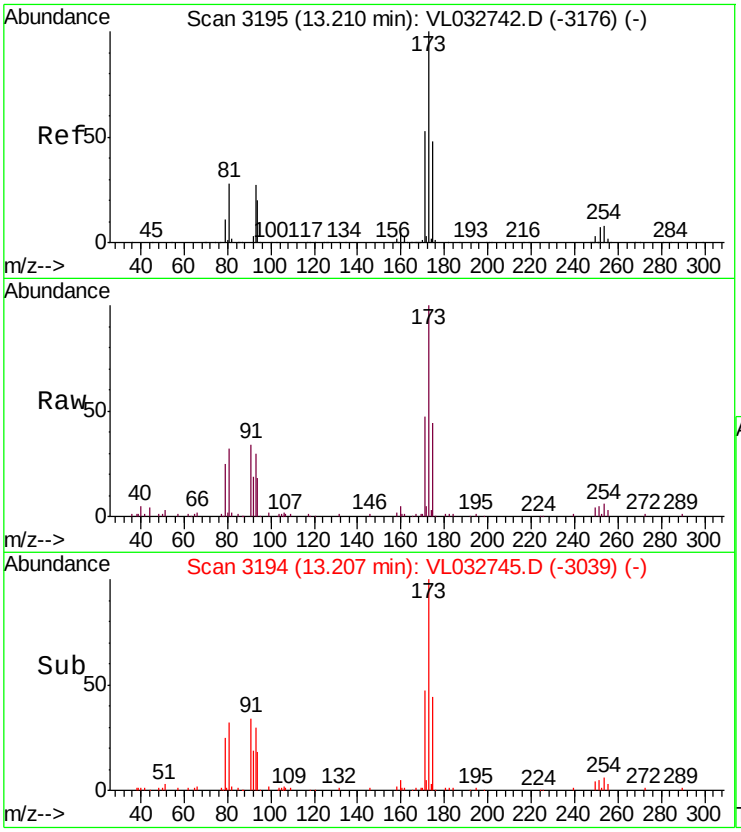


#48
Dibromochloromethane
Concen: 0.464 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:129 Resp: 117137

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.0	117.0



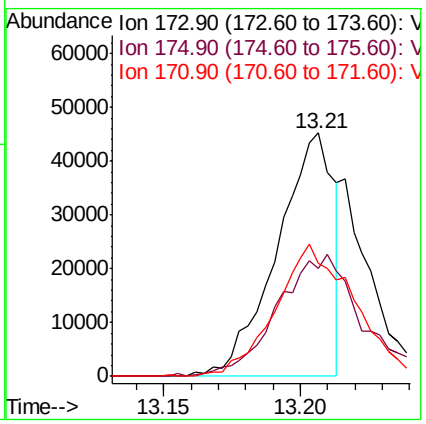


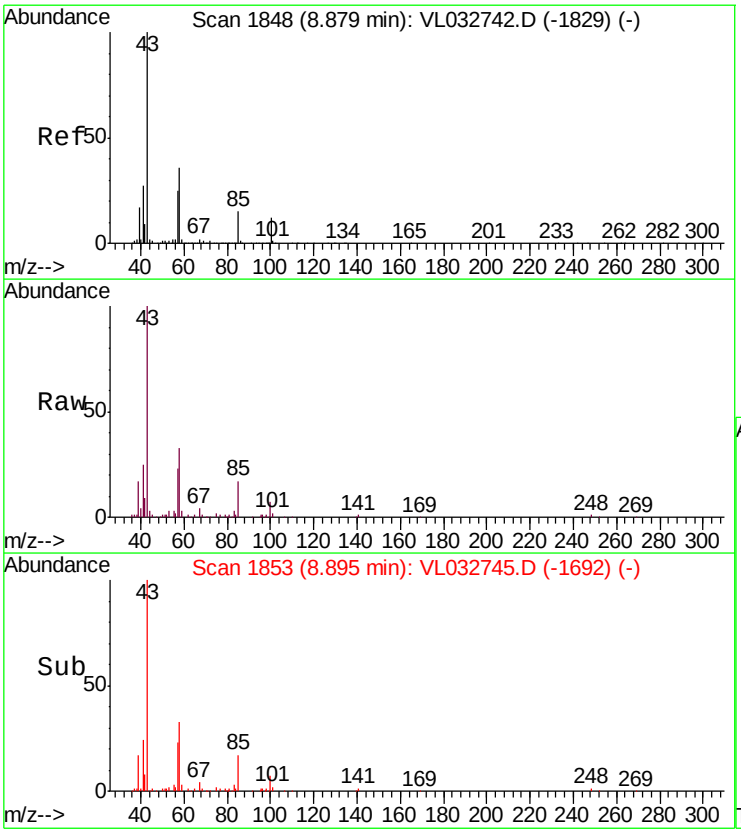
#49
Bromoform
Concen: 0.330 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 65521

Ion	Ratio	Lower	Upper
173	100		
175	73.1	39.4	59.0#
171	75.8	42.0	63.0#

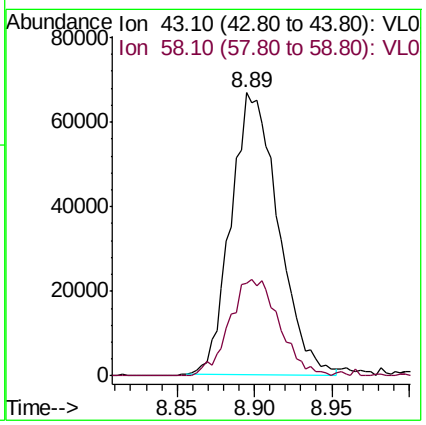


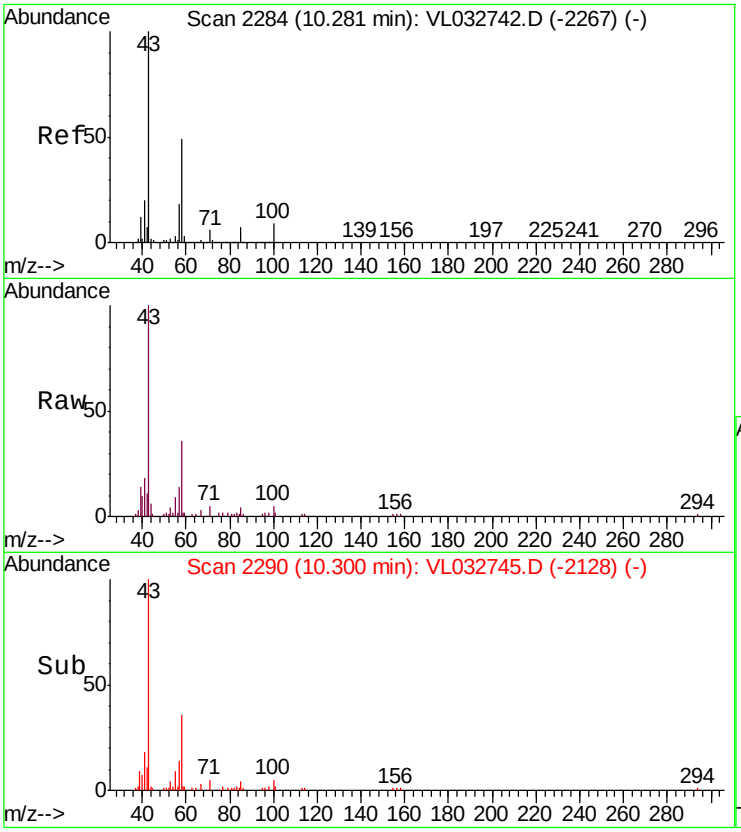


#50
4-Methyl-2-Pentanone
Concen: 0.433 ppbv
RT: 8.89 min Scan# 1853
Delta R.T. 0.02 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 43 Resp: 141644

Ion	Ratio	Lower	Upper
43	100		
58	36.6	28.8	43.2



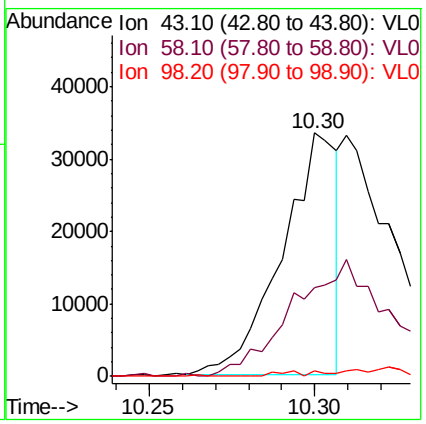


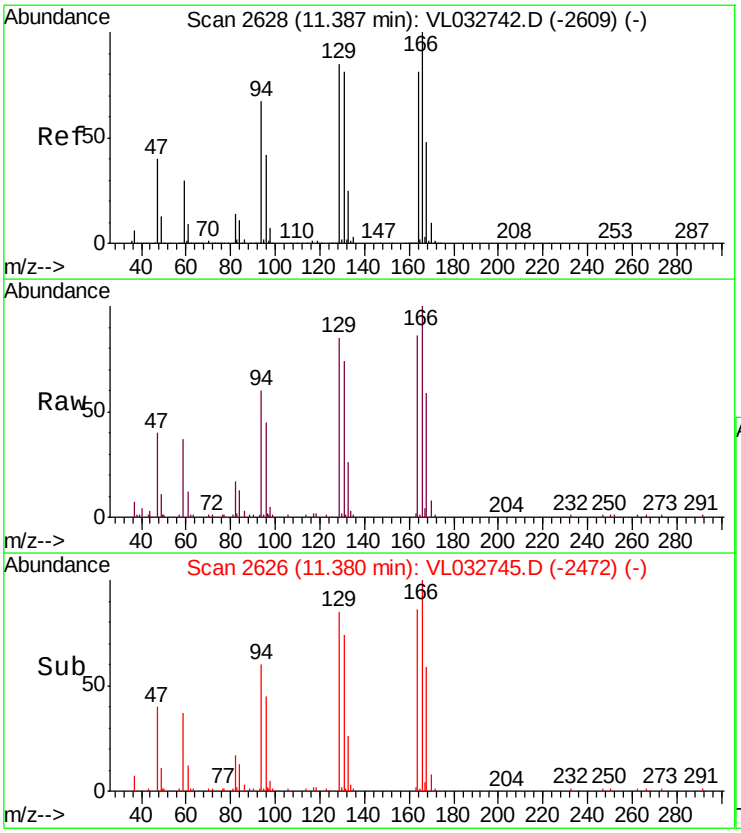
#51
2-Hexanone
Concen: 0.163 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. 0.02 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 38401

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.9	58.3#
98	0.0	0.2	0.4#

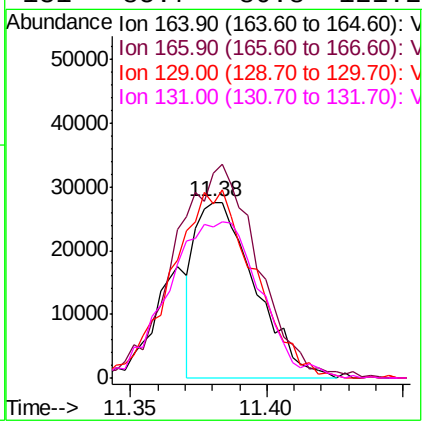


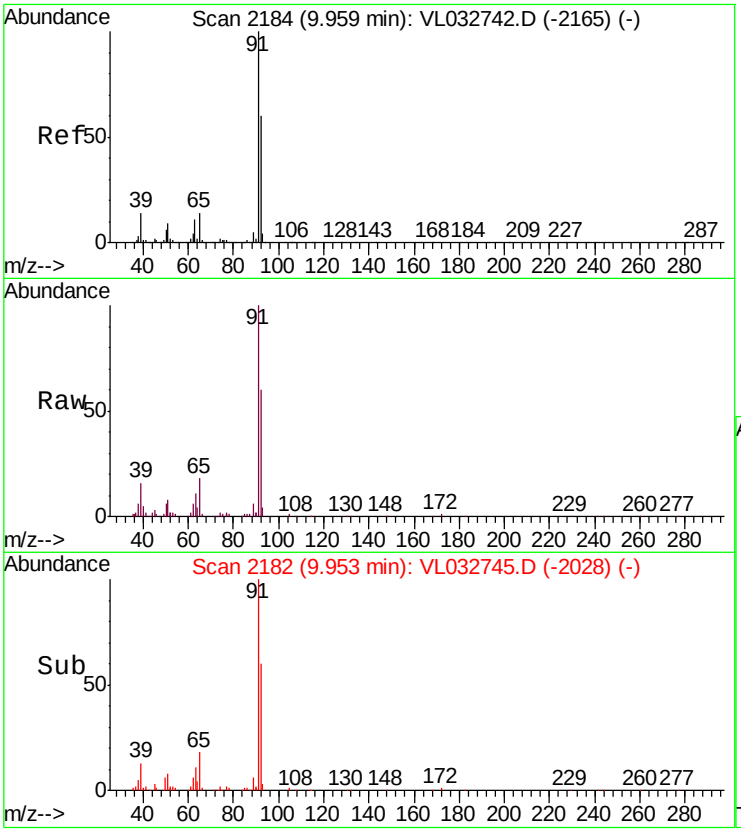


#52
Tetrachloroethene
Concen: 0.363 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:164 Resp: 41766

Ion	Ratio	Lower	Upper
164	100		
166	113.0	99.3	148.9
129	100.2	83.9	125.9
131	85.7	80.8	121.2



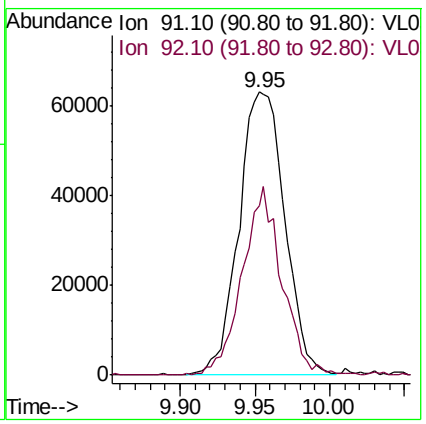


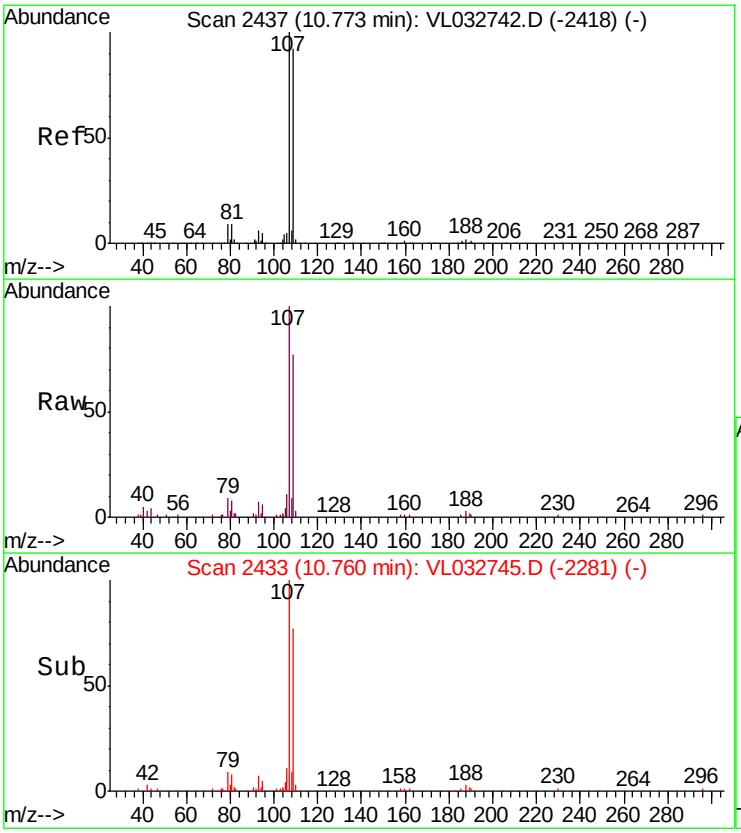
#53
Toluene
Concen: 0.362 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 134432

Ion	Ratio	Lower	Upper
91	100		
92	57.6	47.9	71.9

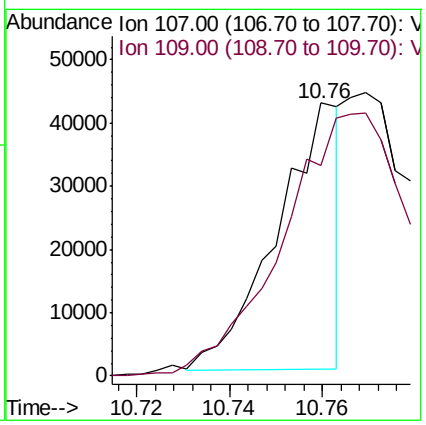


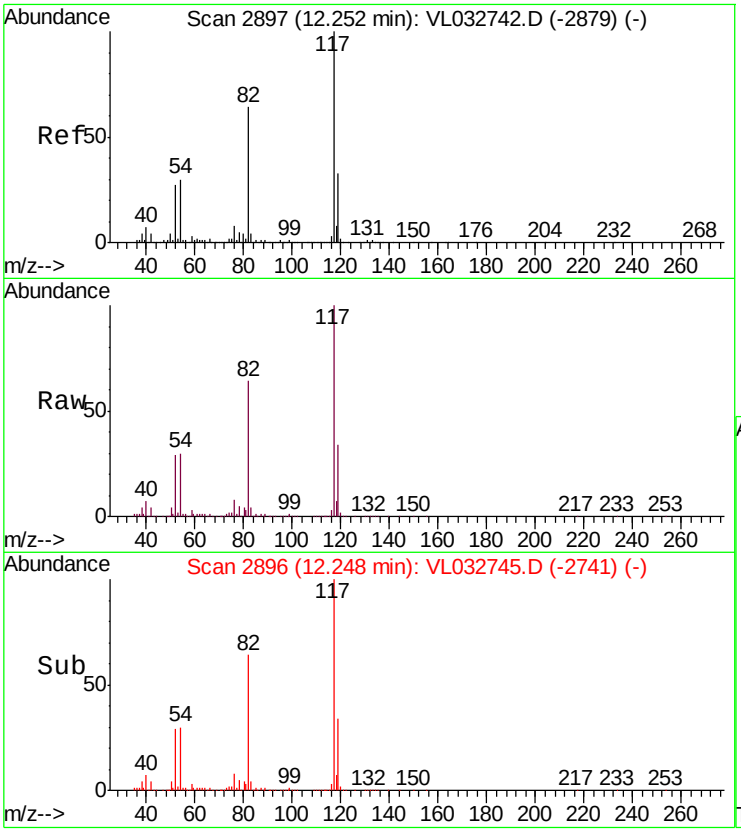


#54
1,2-Dibromoethane
Concen: 0.198 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:107 Resp: 40021

Ion	Ratio	Lower	Upper
107	100		
109	75.2	73.8	110.8



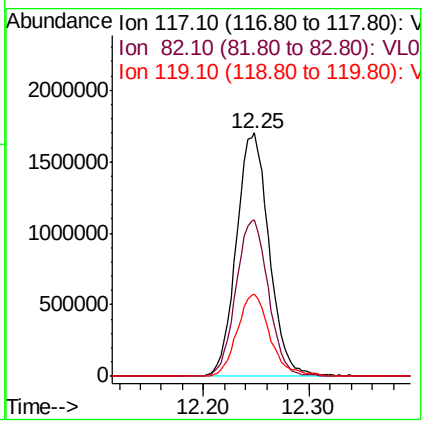


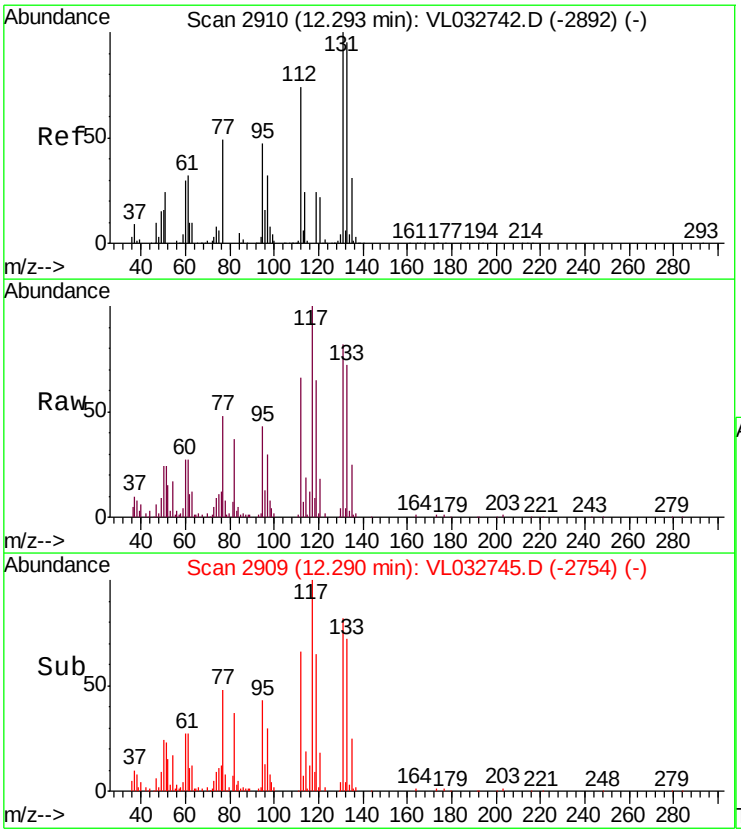
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:117 Resp: 3677631

Ion	Ratio	Lower	Upper
117	100		
82	63.6	51.0	76.6
119	34.0	28.0	42.0

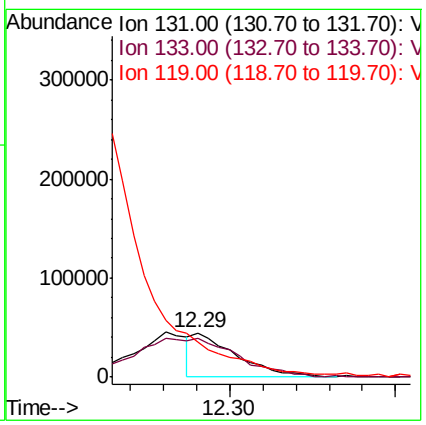


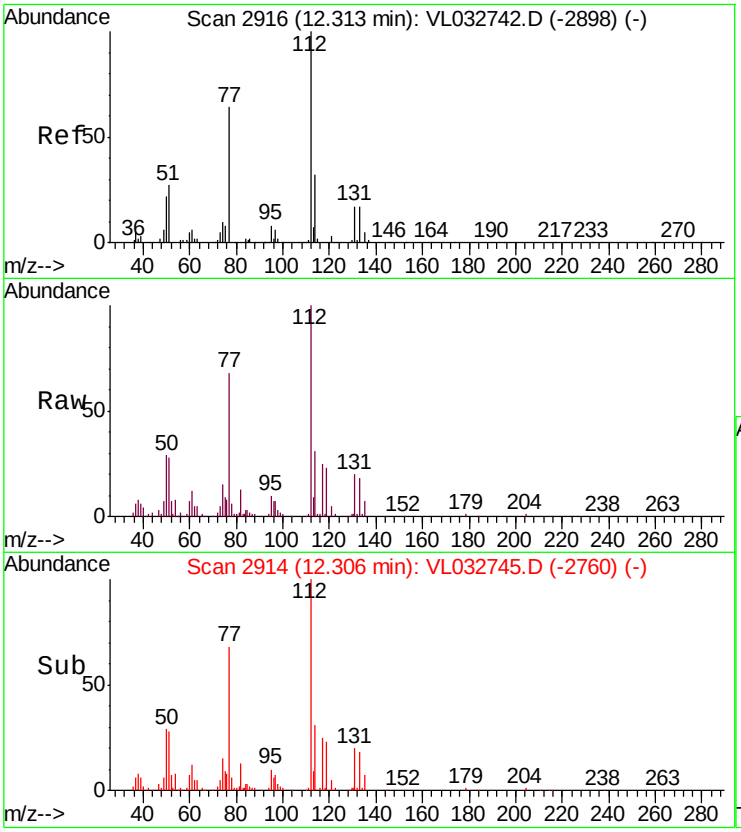


#56
1,1,1,2-Tetrachloroethane
Concen: 0.246 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:131 Resp: 40225

Ion	Ratio	Lower	Upper
131	100		
133	0.0	75.8	113.6#
119	0.0	45.2	67.8#



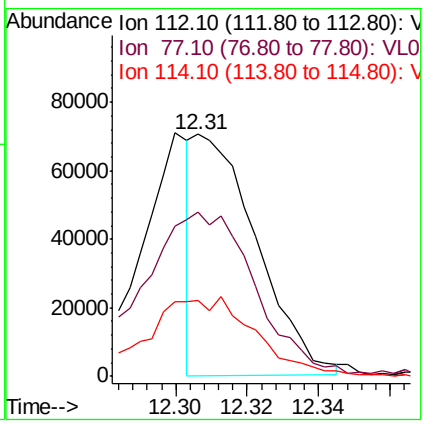


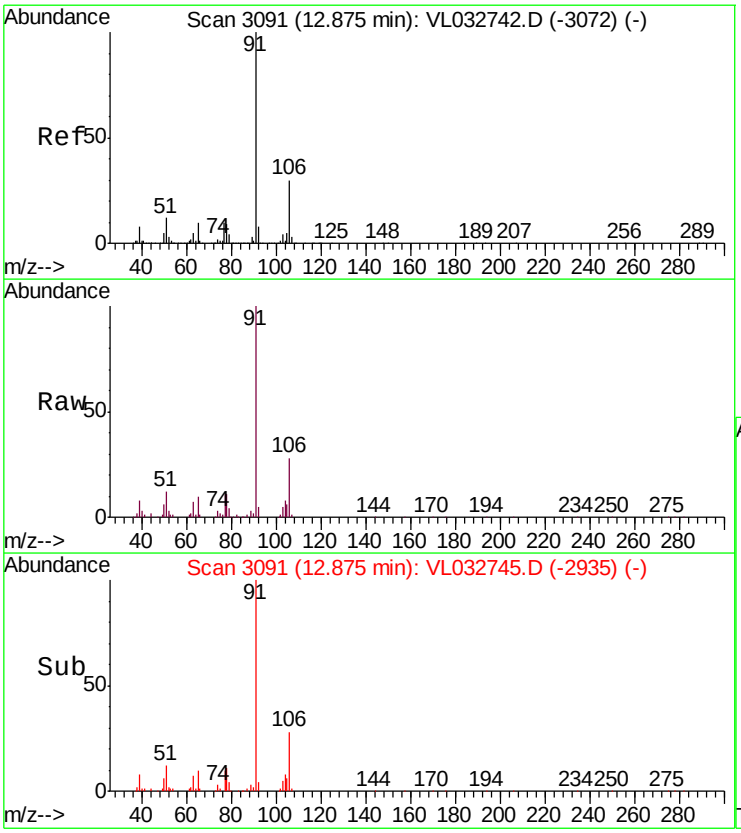
#57
Chlorobenzene
Concen: 0.312 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:112 Resp: 85495

Ion	Ratio	Lower	Upper
112	100		
77	67.6	52.3	78.5
114	30.4	28.4	34.8

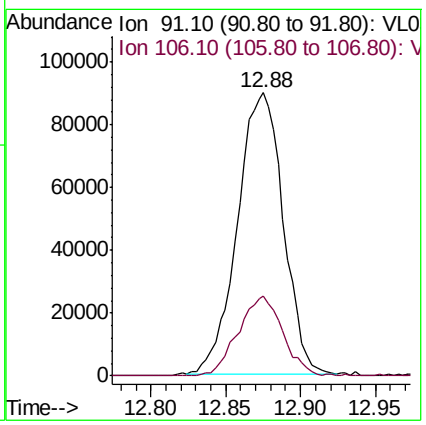


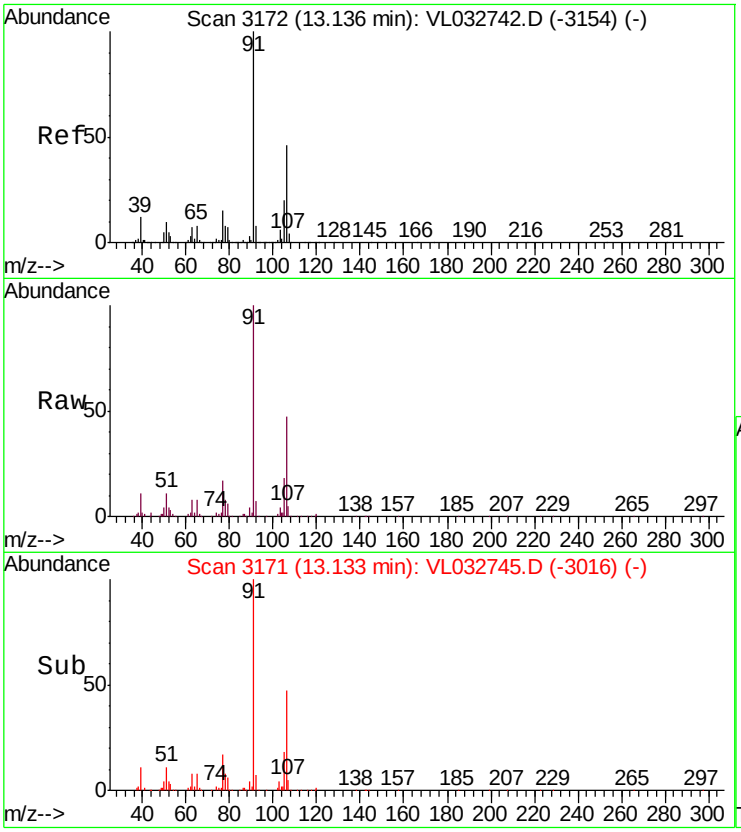


#58
Ethyl Benzene
Concen: 0.443 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 91 Resp: 191195

Ion	Ratio	Lower	Upper
91	100		
106	28.4	23.6	35.4



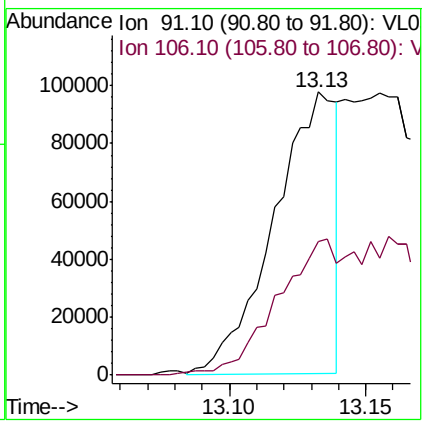


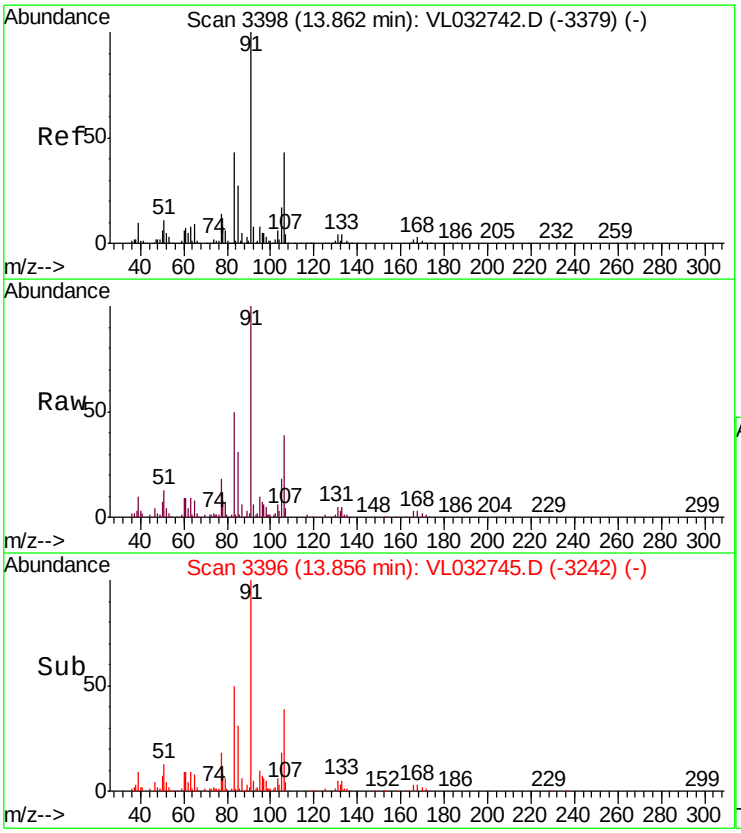
#59
m/p-Xylene
Concen: 0.405 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 155415

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

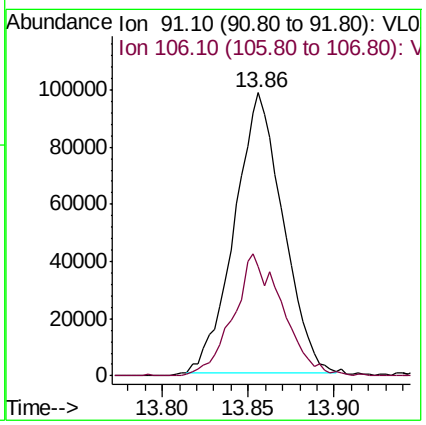


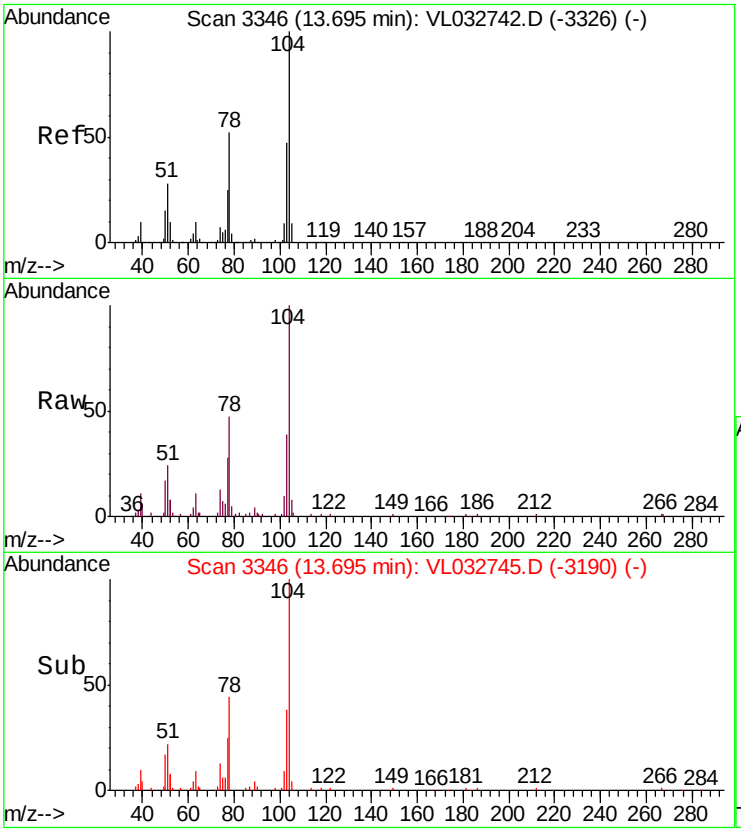


#60
o-Xylene
Concen: 0.513 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 91 Resp: 191559

Ion	Ratio	Lower	Upper
91	100		
106	44.4	21.9	65.7



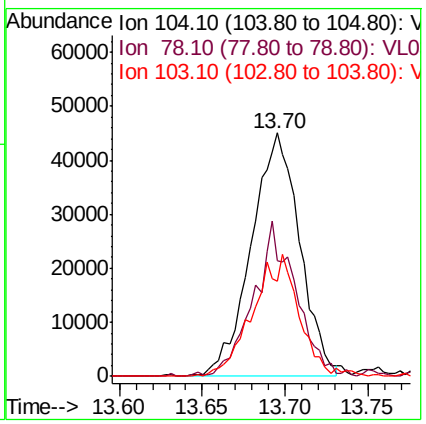


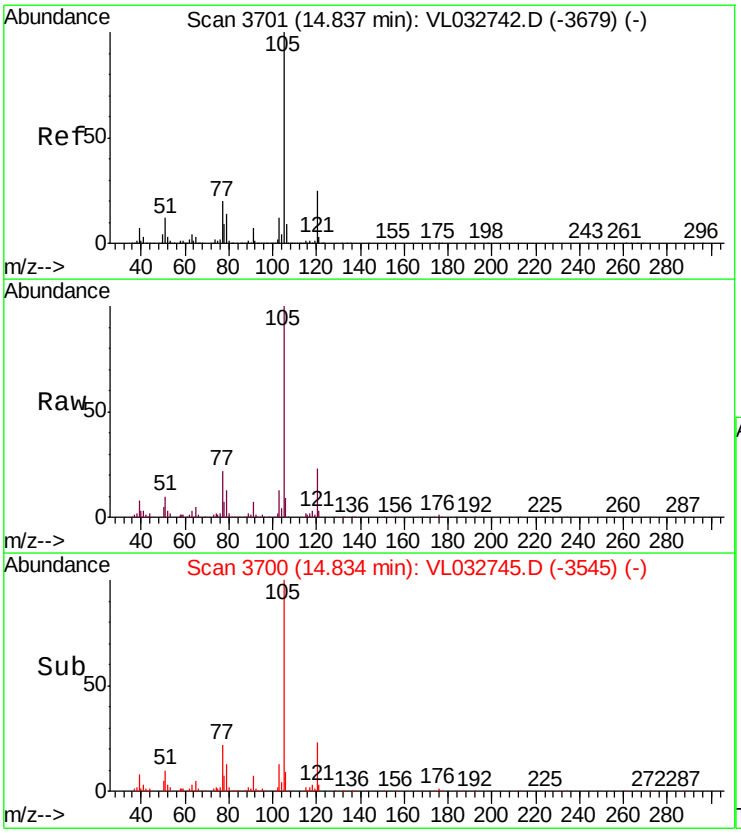
#61
Styrene
Concen: 0.363 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:104 Resp: 90639

Ion	Ratio	Lower	Upper
104	100		
78	56.4	42.2	63.4
103	48.4	38.2	57.2

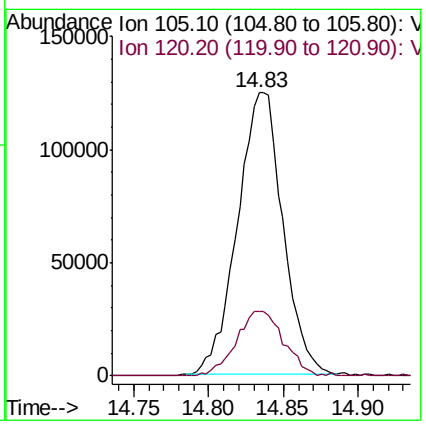


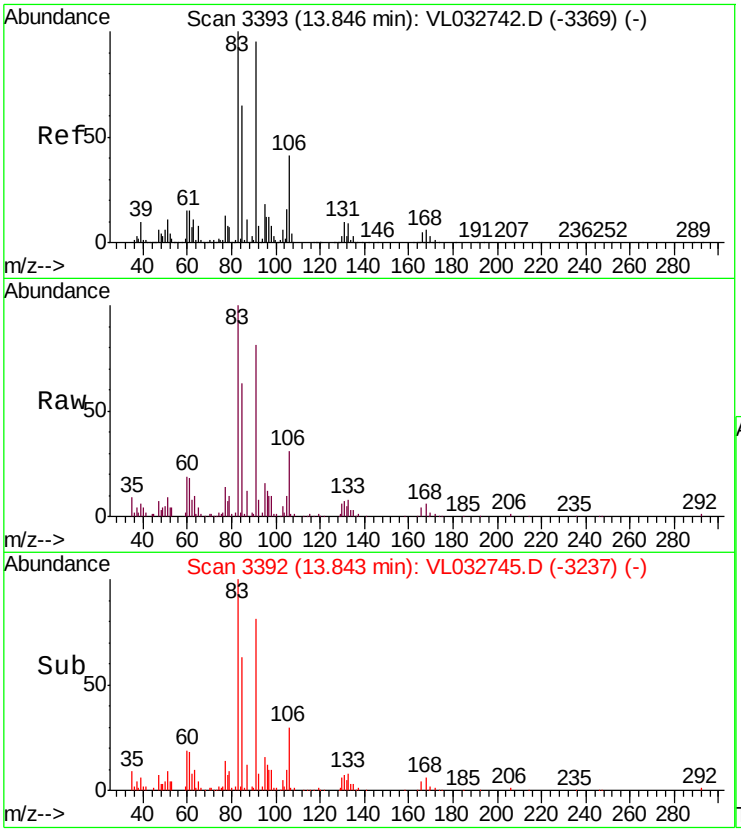


#62
Isopropylbenzene
Concen: 0.497 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:105 Resp: 262196

Ion	Ratio	Lower	Upper
105	100		
120	24.2	20.1	30.1



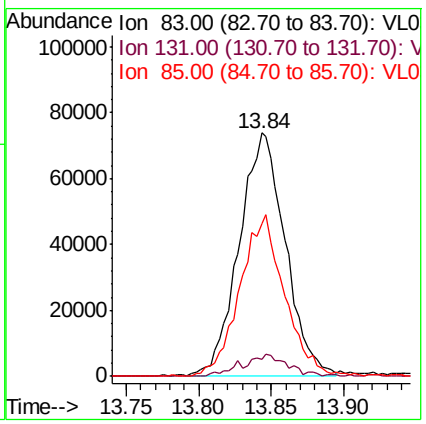


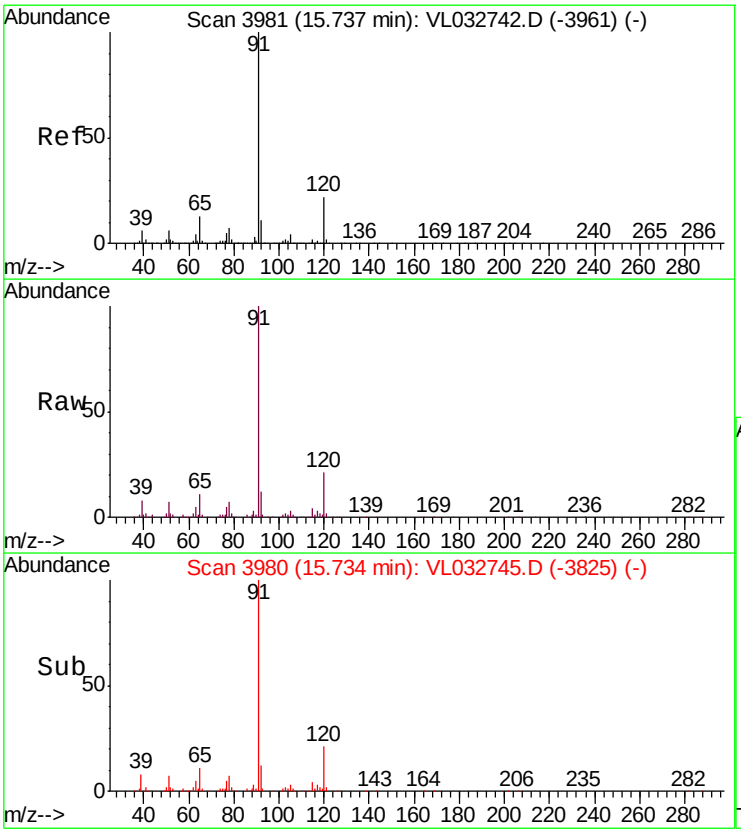
#63
1,1,2,2-Tetrachloroethane
Concen: 0.565 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 163787

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	64.7	32.5	97.4

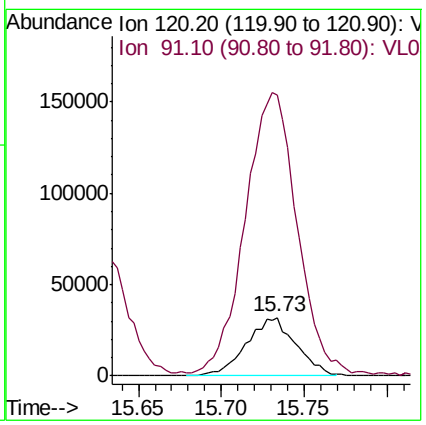


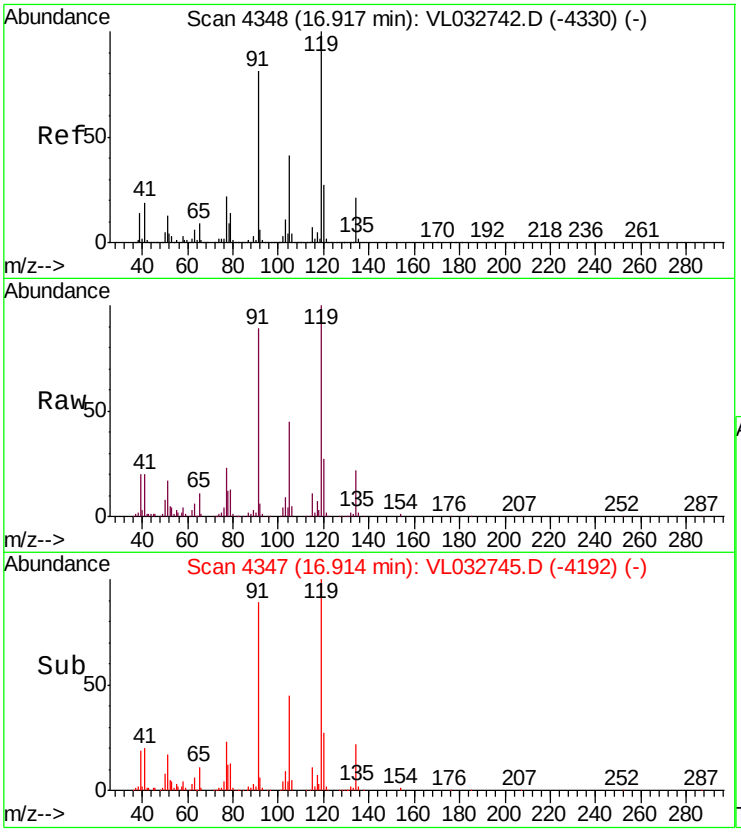


#64
n-propylbenzene
Concen: 0.503 ppbv
RT: 15.73 min Scan# 3980
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:120 Resp: 66364

Ion	Ratio	Lower	Upper
120	100		
91	516.2	381.7	572.5



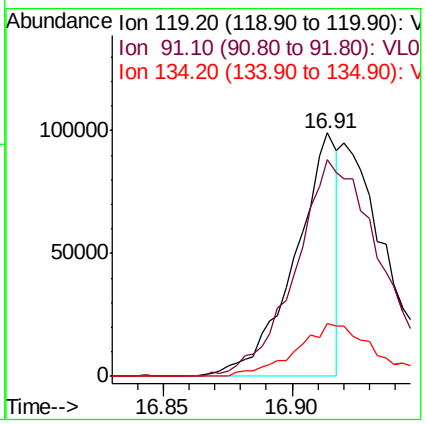


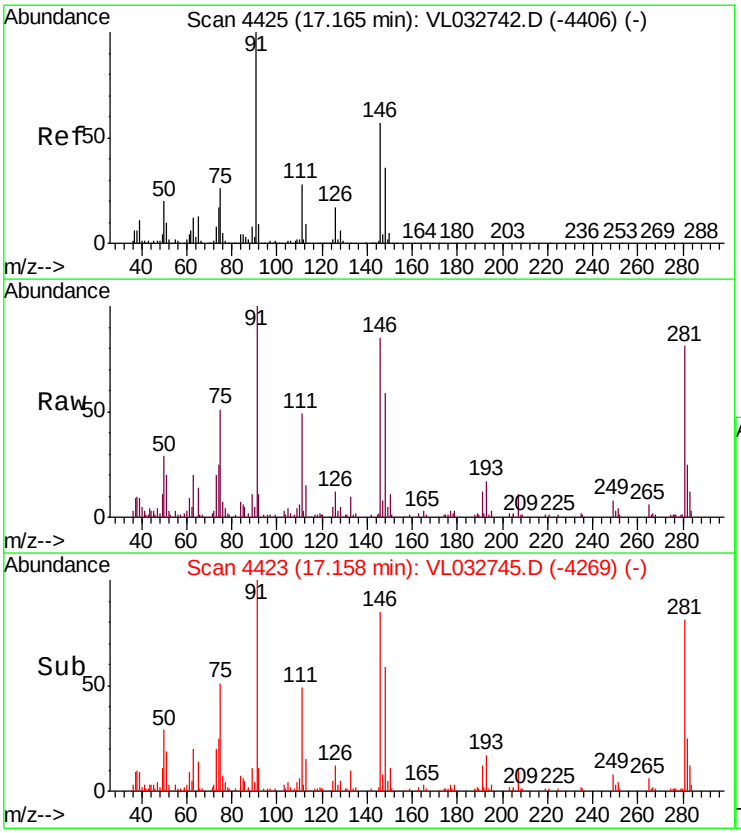
#65
tert-Butylbenzene
Concen: 0.249 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:119 Resp: 113259

Ion	Ratio	Lower	Upper
119	100		
91	180.3	65.6	98.4#
134	39.7	15.9	23.9#

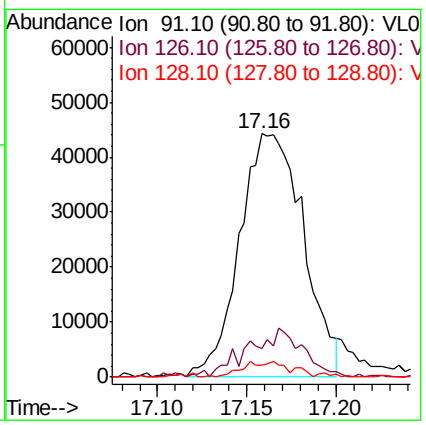


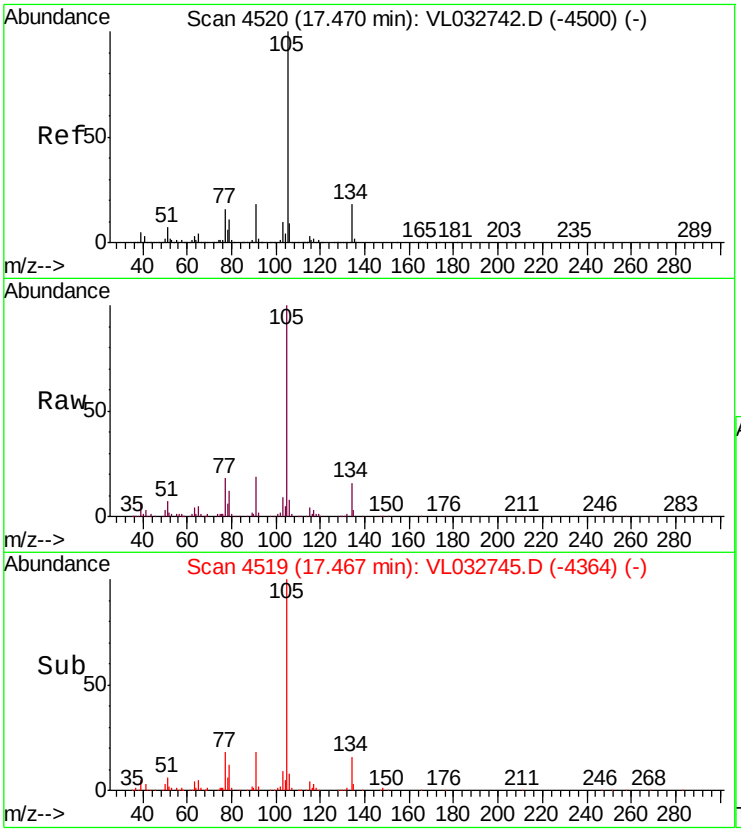


#66
Benzyl Chloride
Concen: 0.467 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 91 Resp: 110682

Ion	Ratio	Lower	Upper
91	100		
126	18.2	14.2	21.2
128	5.2	4.5	6.7



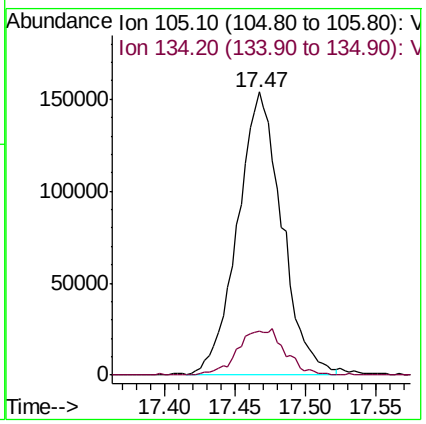


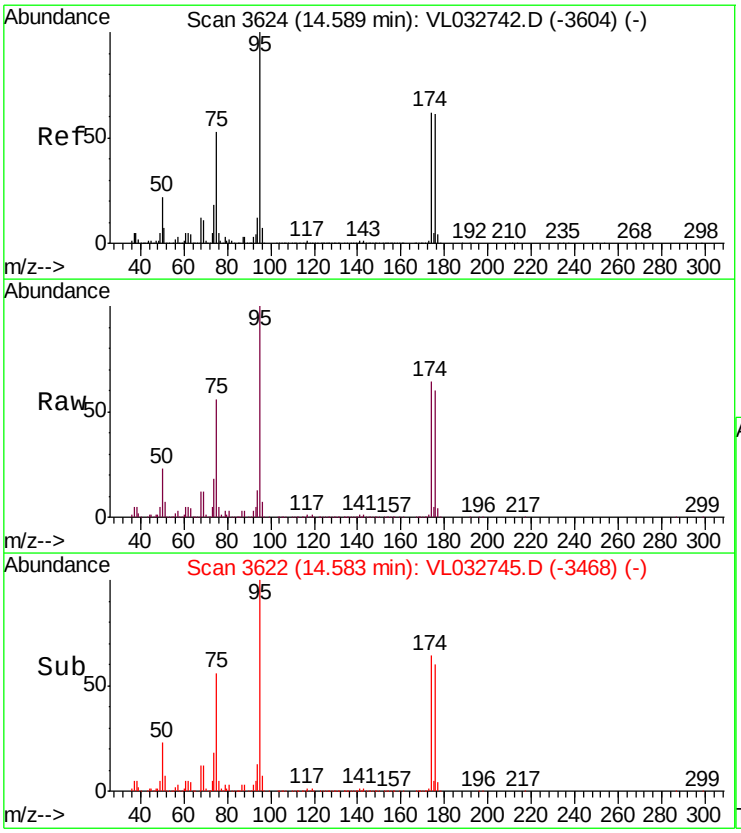
#67
sec-Butylbenzene
Concen: 0.522 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 336844

Ion	Ratio	Lower	Upper
105	100		
134	17.5	14.6	21.8

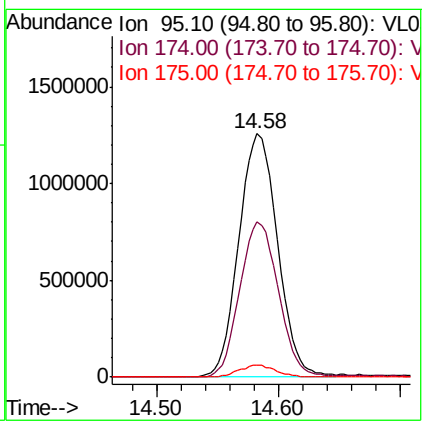


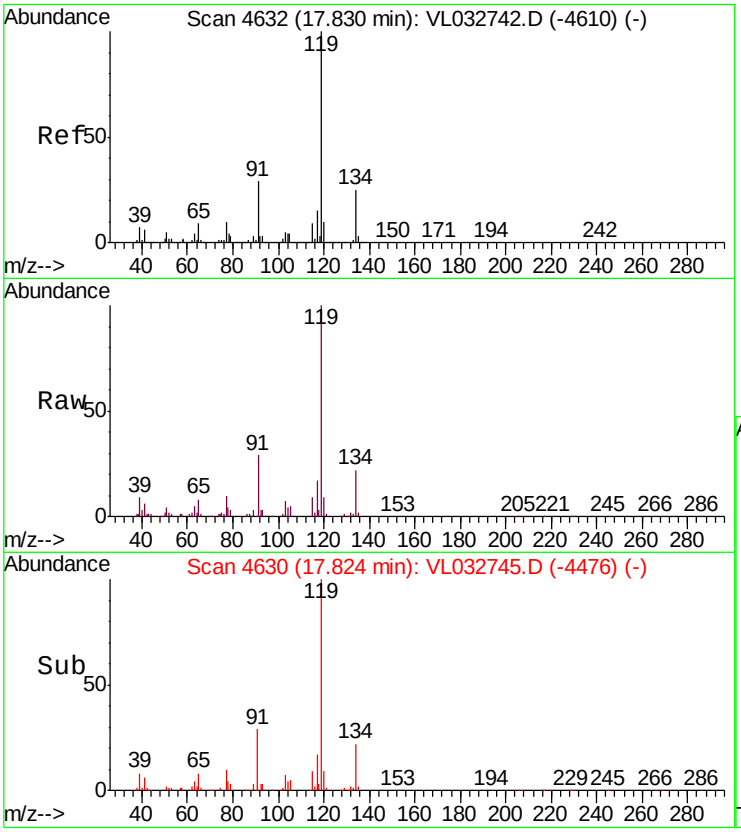


#68
1-Bromo-4-Fluorobenzene
Concen: 9.974 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 95 Resp: 2764585

Ion	Ratio	Lower	Upper
95	100		
174	64.7	50.7	76.1
175	4.8	3.8	5.6



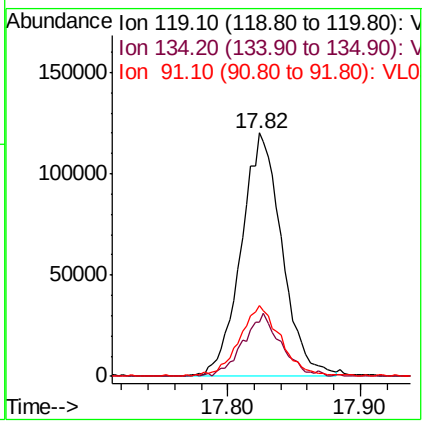


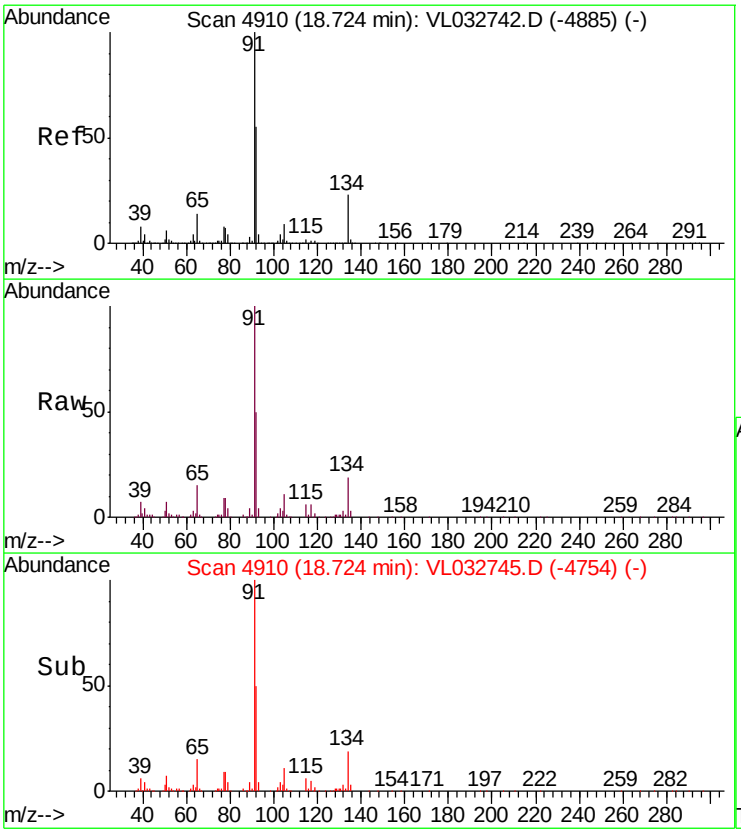
#69
p-Isopropyltoluene
Concen: 0.503 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 257525

Ion	Ratio	Lower	Upper
119	100		
134	24.3	20.2	30.4
91	29.2	23.5	35.3

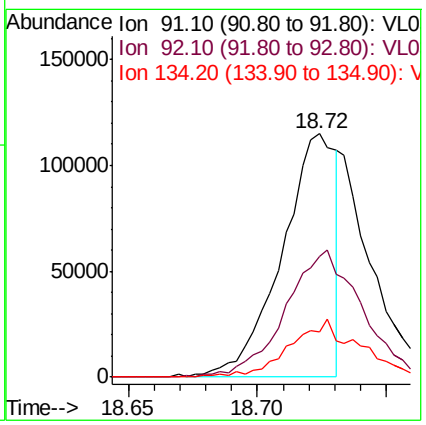


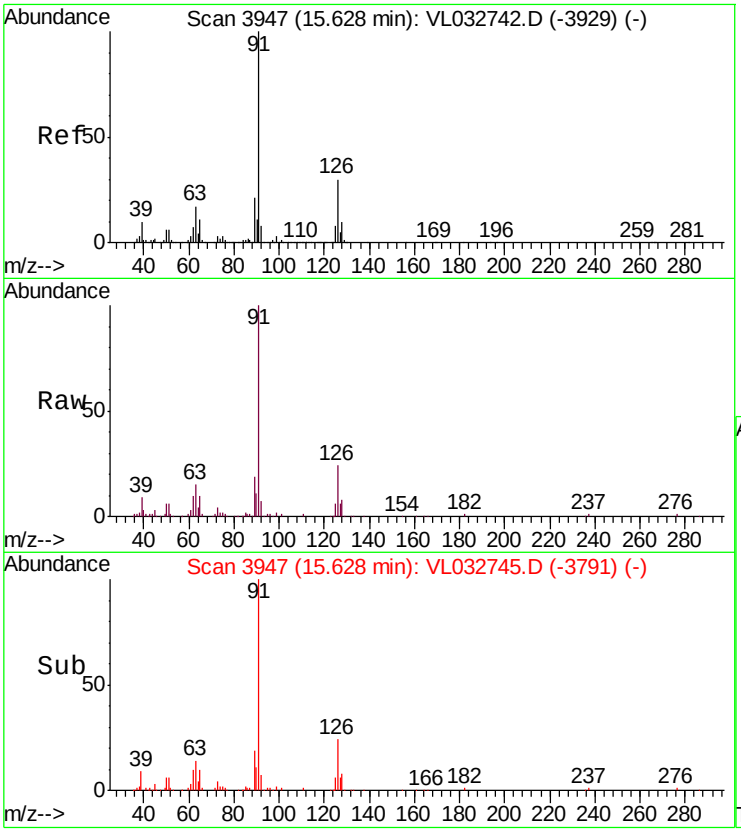


#70
n-Butylbenzene
Concen: 0.317 ppbv
RT: 18.72 min Scan# 4910
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion: 91 Resp: 166699

Ion	Ratio	Lower	Upper
91	100		
92	75.8	42.9	64.3#
134	31.4	17.8	26.8#



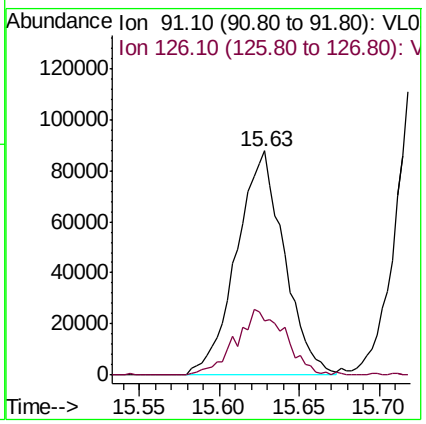


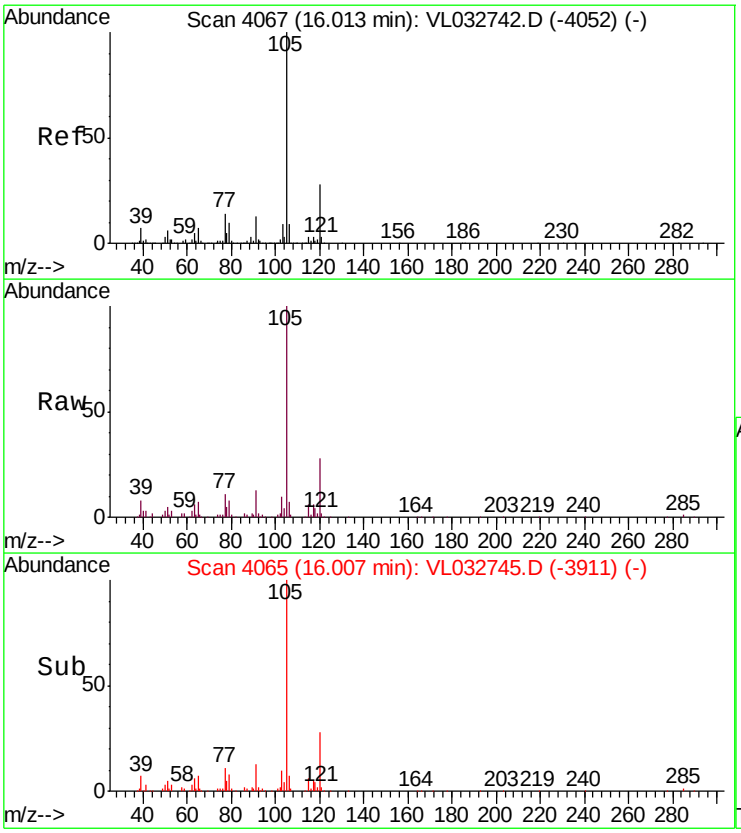
#71
2-Chlorotoluene
Concen: 0.474 ppbv
RT: 15.63 min Scan# 3947
Delta R.T. 0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 179419

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.1	48.5

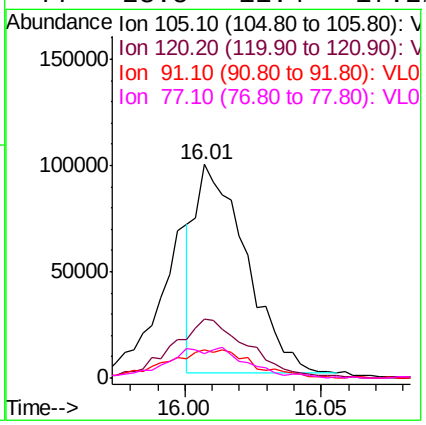


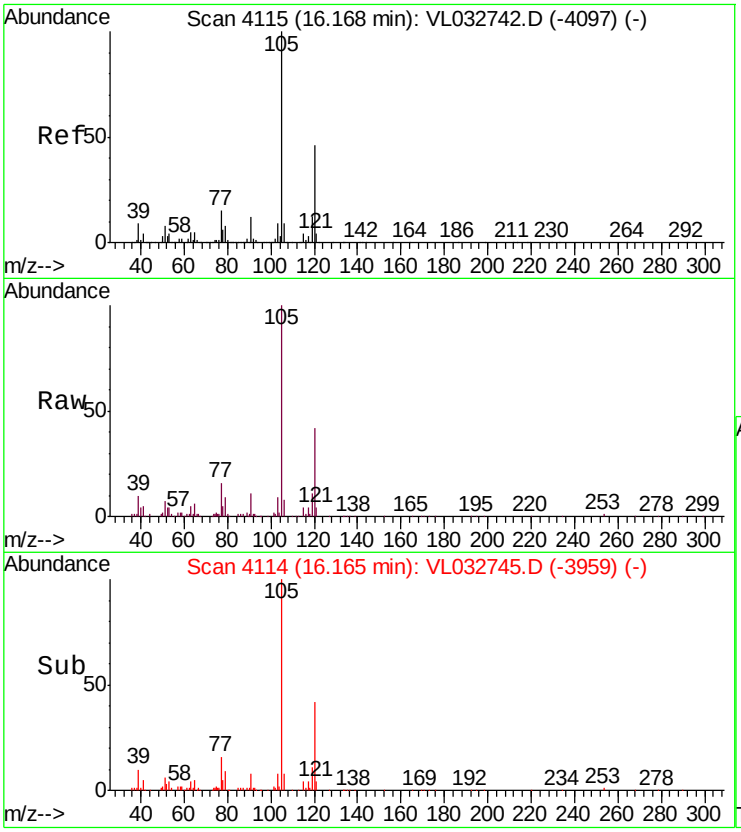


#72
4-Ethyltoluene
Concen: 0.313 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:105 Resp: 125784

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.9	34.3#
91	24.7	10.6	15.8#
77	23.5	11.4	17.2#



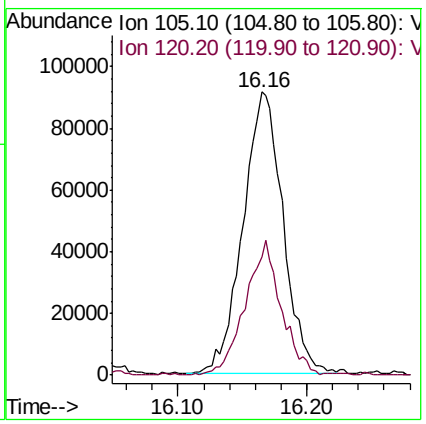


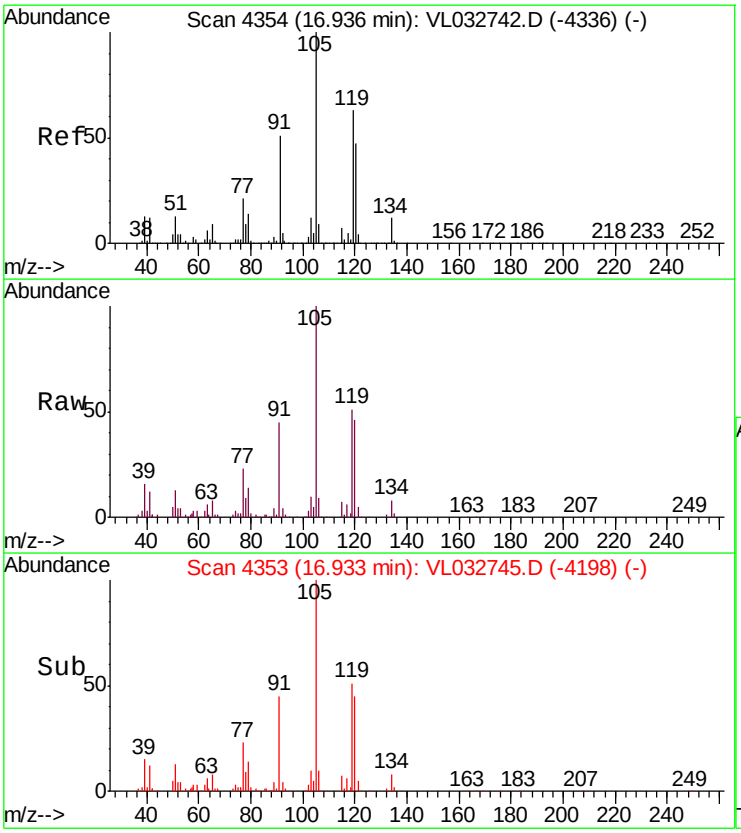
#73
1,3,5-Trimethylbenzene
Concen: 0.507 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 198330

Ion	Ratio	Lower	Upper
105	100		
120	41.9	36.6	55.0

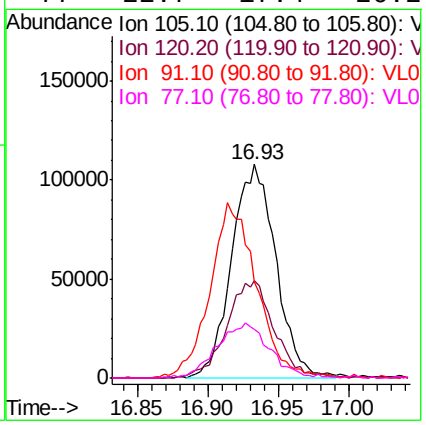


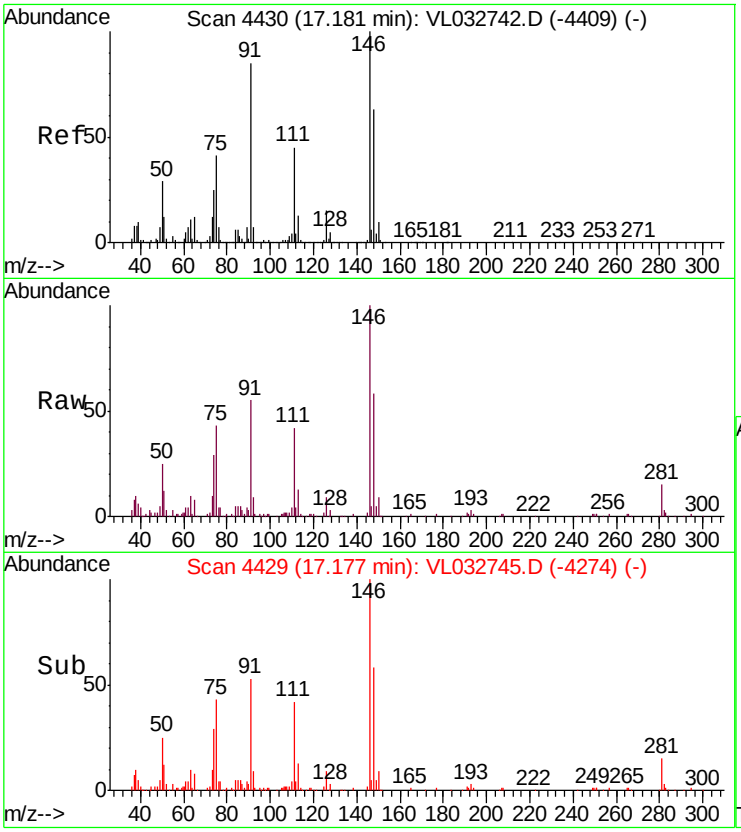


#74
1,2,4-Trimethylbenzene
Concen: 0.567 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:105 Resp: 236729

Ion	Ratio	Lower	Upper
105	100		
120	45.2	37.6	56.4
91	43.9	42.5	63.7
77	22.7	17.4	26.2



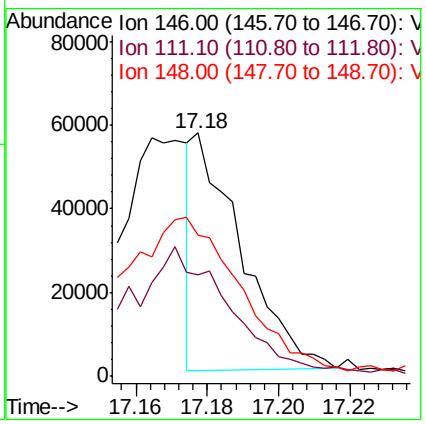


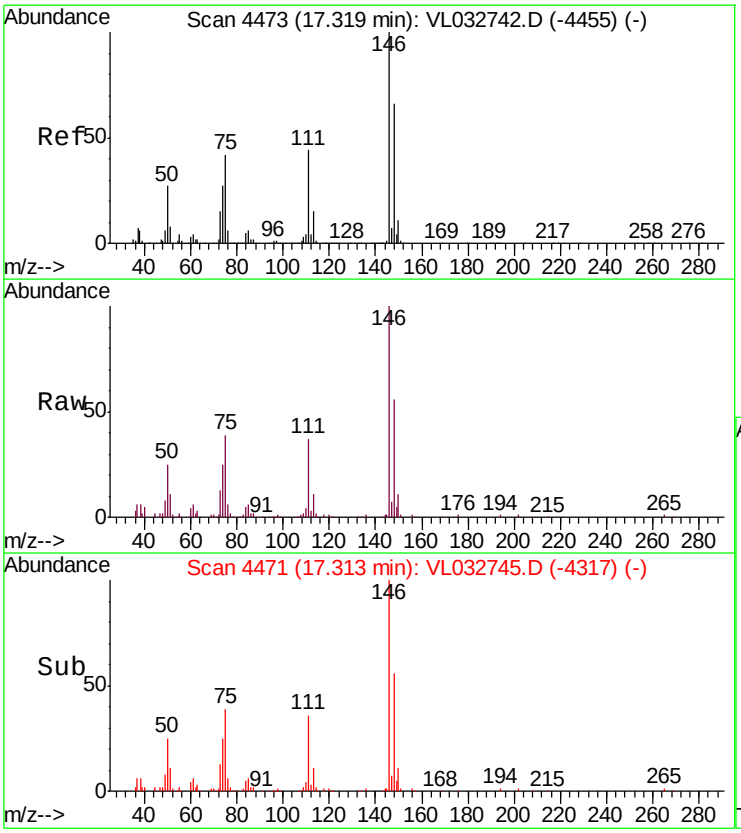
#75
1,3-Dichlorobenzene
Concen: 0.220 ppbv
RT: 17.18 min Scan# 4429
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:146 Resp: 52798

Ion	Ratio	Lower	Upper
146	100		
111	130.9	23.5	70.6#
148	178.4	31.8	95.3#

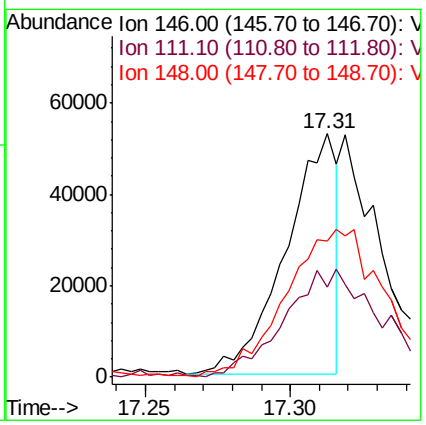


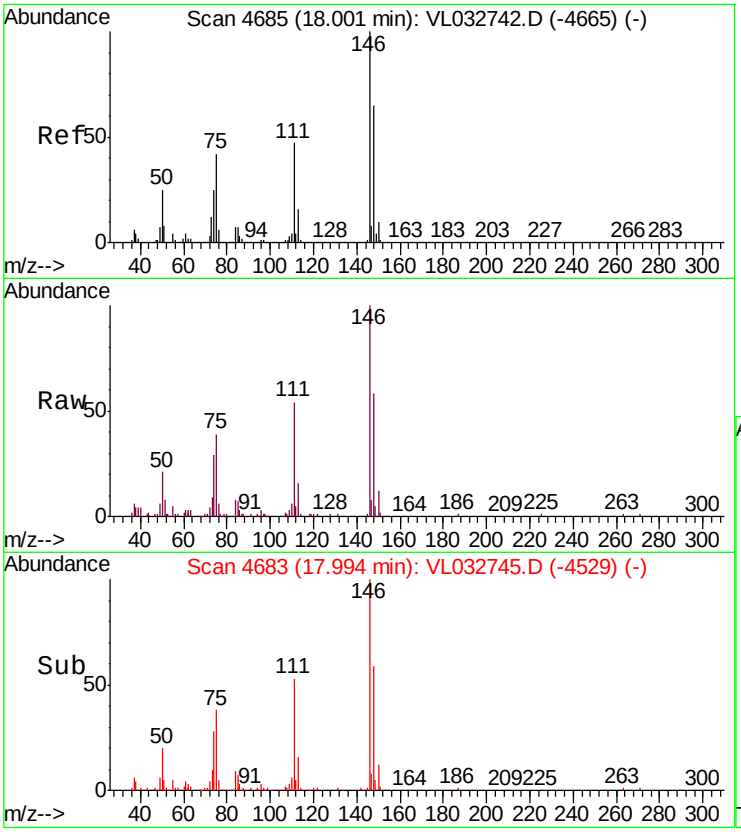


#76
1,4-Dichlorobenzene
Concen: 0.292 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:146 Resp: 64903

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.5	67.5#
148	0.0	32.5	97.5#



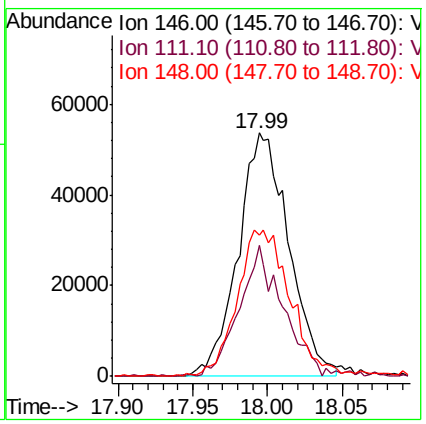


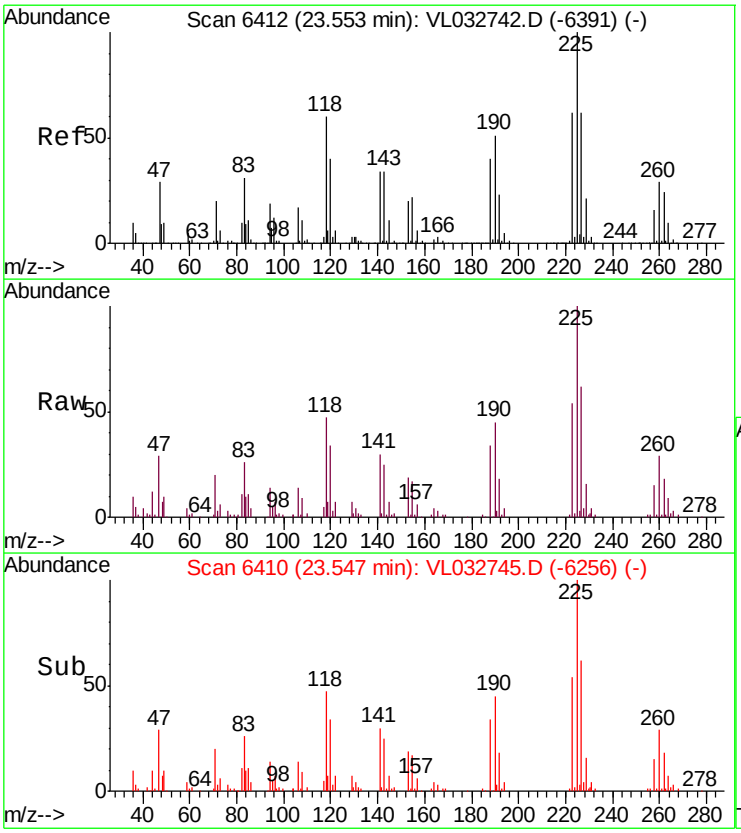
#77
1,2-Dichlorobenzene
Concen: 0.556 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 126151

Ion	Ratio	Lower	Upper
146	100		
111	47.9	24.4	73.2
148	64.5	32.2	96.6

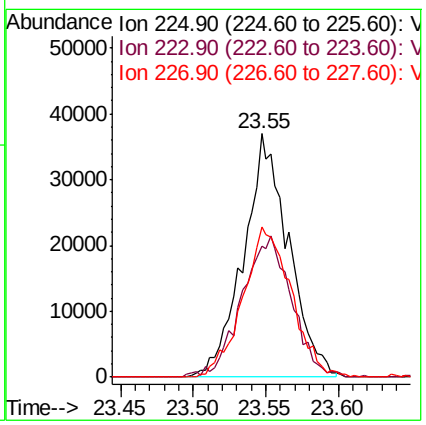


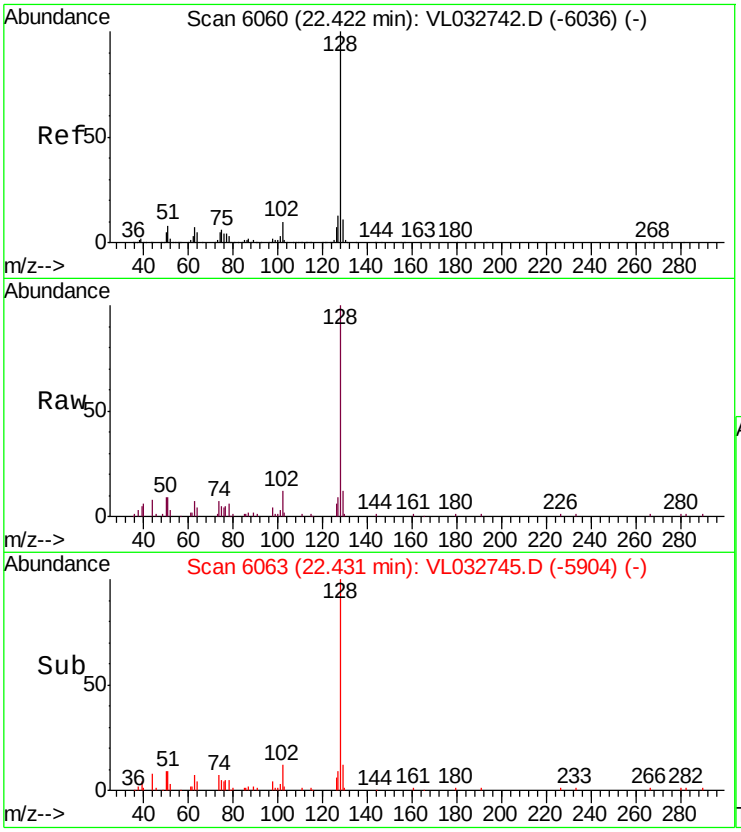


#78
Hexachloro-1,3-Butadiene
Concen: 0.695 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:225 Resp: 79945

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.3	75.5
227	66.0	50.2	75.4



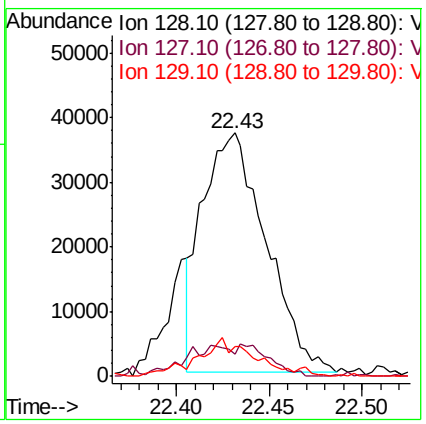


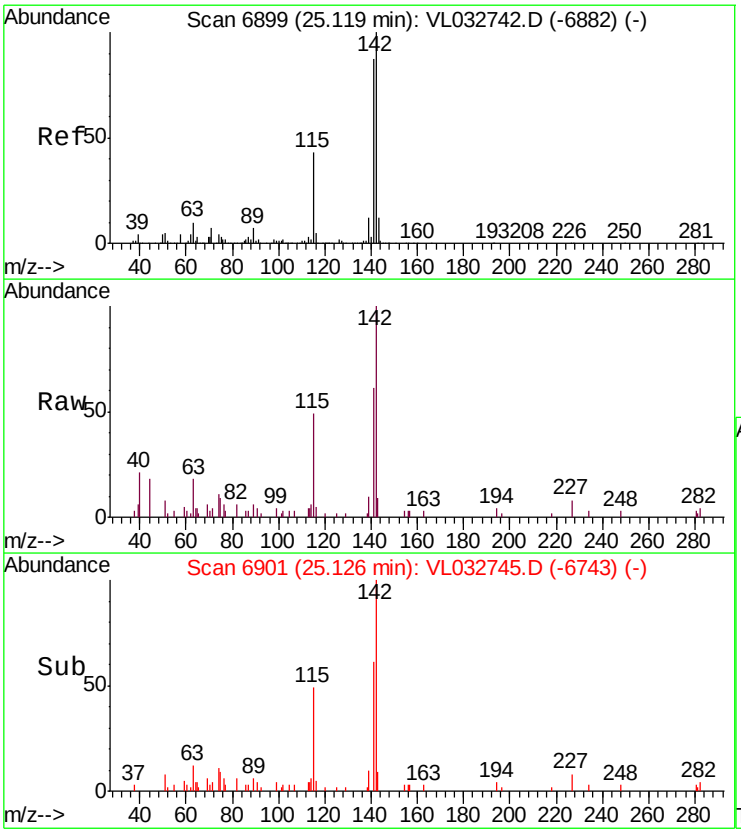
#79
Naphthalene
Concen: 0.337 ppbv
RT: 22.43 min Scan# 6063
Delta R.T. 0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 88563

Ion	Ratio	Lower	Upper
128	100		
127	8.2	10.1	15.1#
129	13.8	8.9	13.3#

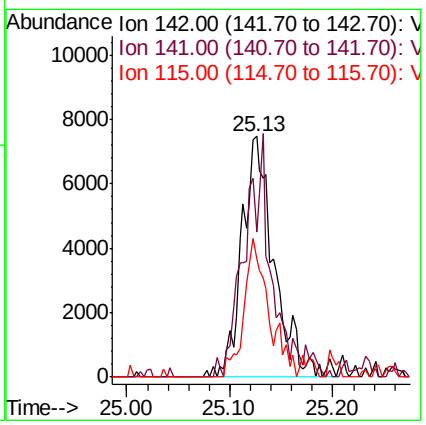


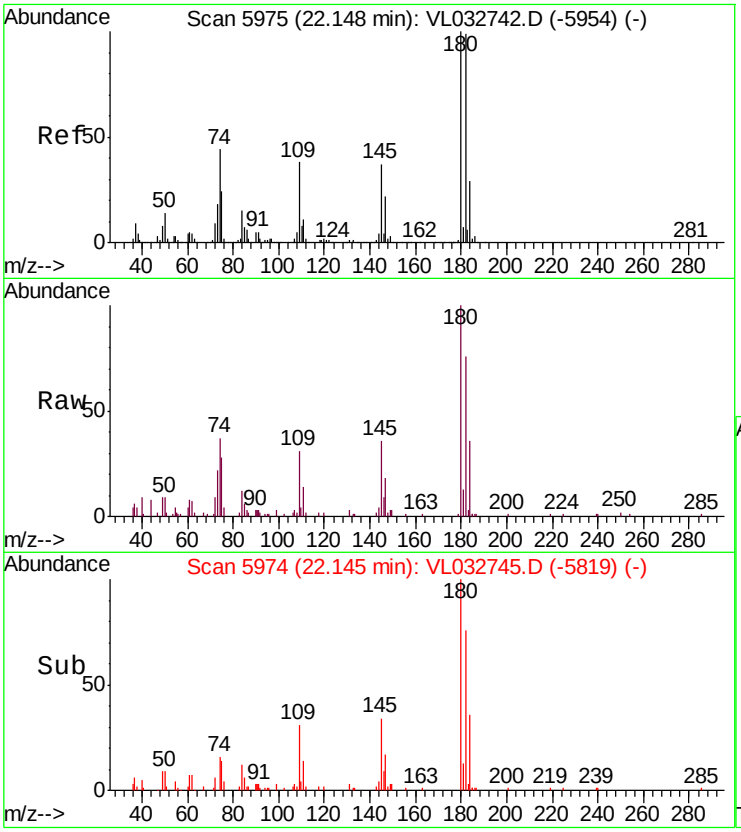


#80
Naphthalene,2-methyl-
Concen: 0.257 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.01 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Tgt Ion:142 Resp: 16136

Ion	Ratio	Lower	Upper
142	100		
141	86.7	68.7	103.1
115	47.6	35.5	53.3





#81
1,2,4-Trichlorobenzene
Concen: 0.149 ppbv
RT: 22.15 min Scan# 5974
Delta R.T. -0.00 min
Lab File: VL032745.D
Acq: 14 Nov 2018 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 20044

Ion	Ratio	Lower	Upper
180	100		
182	289.6	77.3	115.9#
184	0.0	24.2	36.4#