Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032435.D
Acq On : 31 Aug 2018 3:07
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Aug 31 04:28:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 04:25:10 2018
QLast Update : Fri Aug 31 04:25:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.81	49	2119738	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.34	114	4108033	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.30	117	3908042	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.63	95	2963442	10.17	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.11	85	33889	0.179	ppbv		93
3) Chlorodifluoromethane	3.04	51	21823	0.119	ppbv		100
4) Chloromethane	3.20	50	12659	0.113	ppbv		97
5) Vinyl Chloride	3.32	62	6415	0.065	ppbv	#	88
6) Bromomethane	3.55	94	6569	0.109	ppbv		95
7) Chloroethane	3.64	64	3842	0.098	ppbv	#	73
8) Dichlorotetrafluoroethane	3.25	85	27052	0.116	ppbv		98
9) Propene	3.43	41	464	0.006	ppbv		99
10) Heptane	8.30	43	9355	0.036	ppbv	#	28
11) Trichlorofluoromethane	3.92	101	656	0.003	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.59	101	10848	0.068	ppbv	#	33
13) Ethanol	3.68	45	206	0.009	ppbv	#	40
14) Bromoethene	3.83	108	3055	0.044	ppbv	#	1
15) Acetone	3.97	43	36137	0.179	ppbv		92
16) 1,3-Butadiene	3.40	39	5568	0.066	ppbv	#	43
17) tert-Butyl alcohol	4.41	59	32	0.001	ppbv	#	76
18) 1,1-Dichloroethene	4.39	96	3354	0.046	ppbv	#	65
19) Isopropyl Alcohol	4.04	45	158	0.001	ppbv	#	93
20) Methylene Chloride	4.45	84	7411	0.099	ppbv		87
21) Allyl Chloride	4.52	41	12775	0.100	ppbv	#	62
22) trans-1,2-Dichloroethene	5.00	96	7213	0.092	ppbv	#	68
23) Vinyl Acetate	5.19	43	3069	0.010	ppbv	#	25
24) 1,1-Dichloroethane	5.13	63	29395	0.118	ppbv		97
25) Ethyl Acetate	5.83	43	42779	0.100	ppbv	#	95
26) Hexane	5.82	57	6441	0.034	ppbv	#	1
27) Carbon Disulfide	4.66	76	15453	0.084	ppbv	#	44
28) Methyl tert-Butyl Ether	5.19	73	5170	0.022	ppbv	#	1
29) Chloroform	5.89	83	33382	0.113	ppbv	#	81
30) Cyclohexane	7.30	84	3020	0.021	ppbv	#	1
31) cis-1,2-Dichloroethene	5.67	61	4150	0.024	ppbv		90
32) 1,1,1-Trichloroethane	6.67	97	22143	0.087	ppbv	#	73
34) 2-Butanone	5.40	43	26919	0.103	ppbv		98
35) Carbon Tetrachloride	7.18	117	21180	0.083	ppbv		89
36) Benzene	7.06	78	21448	0.063	ppbv	#	84
37) 1,2-Dichloroethane	6.46	62	15809	0.075	ppbv	#	95
38) Trichloroethene	8.02	130	7121	0.063	ppbv	#	73
39) 1,2-Dichloropropane	7.34	63	1133615	7.935	ppbv	#	25
40) 1,4-Dioxane	7.96	88	194	0.005	ppbv	#	1
41) Tetrahydrofuran	6.18	42	95	0.001	ppbv	#	39
42) Bromodichloromethane	7.96	83	15470	0.054	ppbv		96
43) Methyl Methacrylate	8.18	69	803	0.006	ppbv	#	1

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032435.D
Acq On : 31 Aug 2018 3:07
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Aug 31 04:28:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 04:25:10 2018
QLast Update : Fri Aug 31 04:25:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	26314	0.041	ppbv	#	31
45) t-1,3-Dichloropropene	9.46	75	2886	0.017	ppbv		96
46) cis-1,3-Dichloropropene	8.89	75	8136	0.040	ppbv		93
47) 1,1,2-Trichloroethane	9.66	97	4160	0.027	ppbv	#	61
48) Dibromochloromethane	10.51	129	14413	0.067	ppbv		65
49) Bromoform	13.25	173	6079	0.032	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.96	43	28516	0.070	ppbv		90
51) 2-Hexanone	10.32	43	183	0.001	ppbv	#	28
52) Tetrachloroethene	11.43	164	7970	0.082	ppbv		96
53) Toluene	10.00	91	16208	0.045	ppbv	#	82
54) 1,2-Dibromoethane	10.80	107	4207	0.019	ppbv		94
56) 1,1,1,2-Tetrachloroethane	12.34	131	6156	0.037	ppbv	#	1
57) Chlorobenzene	12.35	112	35540	0.119	ppbv		94
58) Ethyl Benzene	12.92	91	14299	0.032	ppbv		96
59) m/p-Xylene	13.21	91	5565	0.014	ppbv	#	1
60) o-Xylene	13.91	91	4680	0.012	ppbv	#	32
61) Styrene	13.74	104	1200	0.005	ppbv	#	27
62) Isopropylbenzene	14.88	105	12992	0.024	ppbv	#	1
63) 1,1,2,2-Tetrachloroethane	13.89	83	20255	0.061	ppbv	#	36
64) n-propylbenzene	15.77	120	2526	0.018	ppbv	#	1
65) tert-Butylbenzene	16.96	119	9954	0.021	ppbv	#	17
66) Benzyl Chloride	17.22	91	12211	0.042	ppbv	#	66
67) sec-Butylbenzene	17.50	105	13714	0.020	ppbv	#	59
69) p-Isopropyltoluene	17.87	119	25493	0.048	ppbv	#	83
70) n-Butylbenzene	18.77	91	24946	0.043	ppbv	#	74
71) 2-Chlorotoluene	15.67	91	25321	0.061	ppbv		98
72) 4-Ethyltoluene	16.06	105	14604	0.035	ppbv	#	67
73) 1,3,5-Trimethylbenzene	16.21	105	4782	0.012	ppbv	#	17
74) 1,2,4-Trimethylbenzene	16.98	105	12512	0.029	ppbv	#	60
75) 1,3-Dichlorobenzene	17.21	146	19484	0.071	ppbv	#	35
76) 1,4-Dichlorobenzene	17.36	146	13952	0.056	ppbv	#	47
77) 1,2-Dichlorobenzene	18.04	146	8025	0.031	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.60	225	5125	0.045	ppbv	#	1
79) Naphthalene	22.48	128	3823	0.013	ppbv		96
80) Naphthalene,2-methyl-	25.16	142	4334	0.058	ppbv		88
81) 1,2,4-Trichlorobenzene	22.20	180	3602	0.023	ppbv	#	1

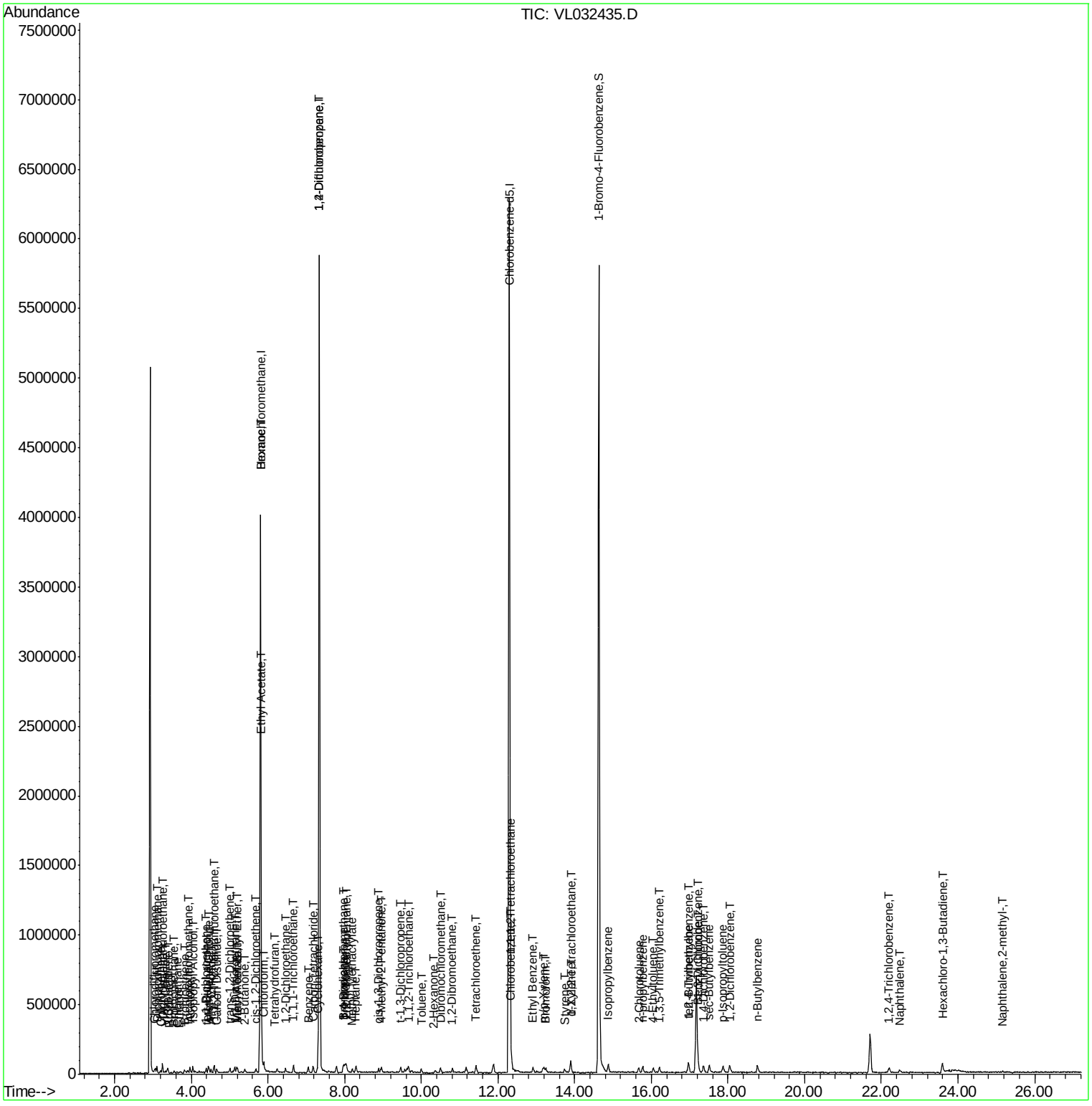
(#) = qualifier out of range (m) = manual integration (+) = signals summed

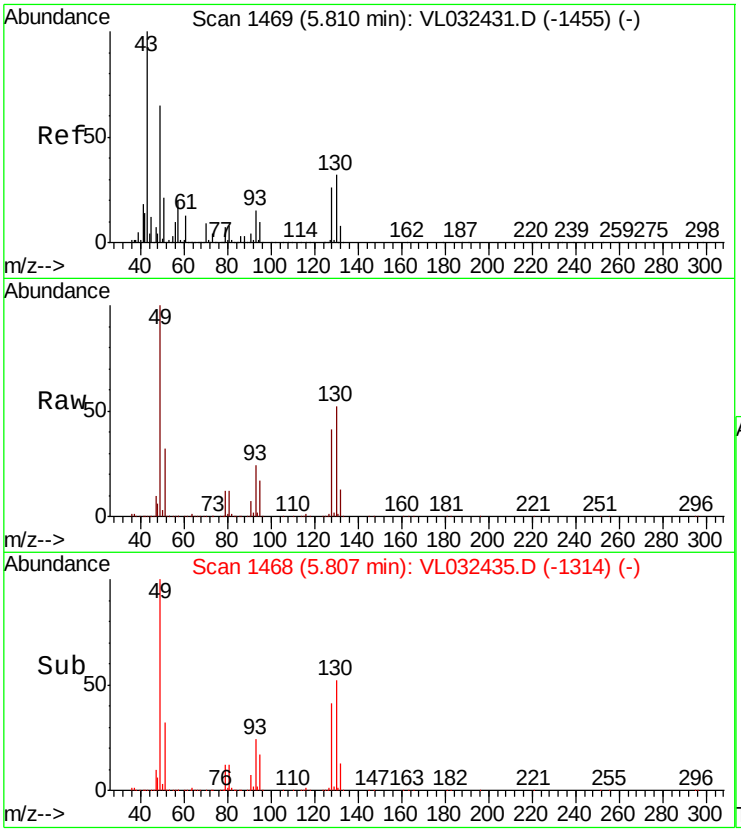
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032435.D
Acq On : 31 Aug 2018 3:07
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Aug 31 04:28:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 04:25:10 2018
QLast Update : Fri Aug 31 04:25:10 2018
Response via : Initial Calibration



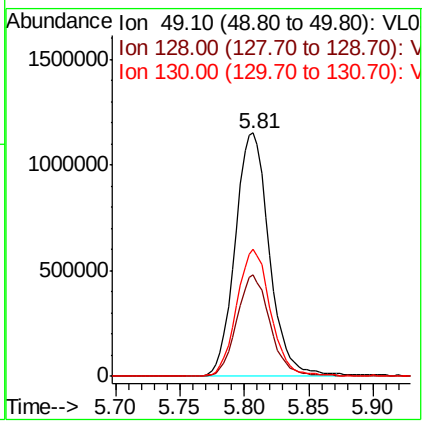


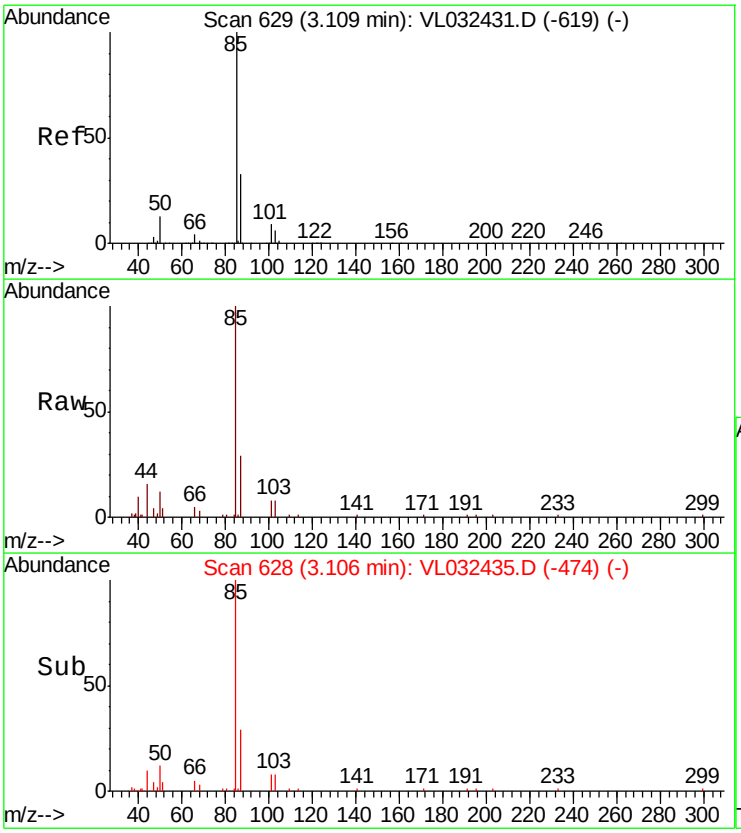
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.81 min Scan# 1468
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 2119738

Ion	Ratio	Lower	Upper
49	100		
128	41.3	20.7	62.1
130	52.7	26.7	80.0

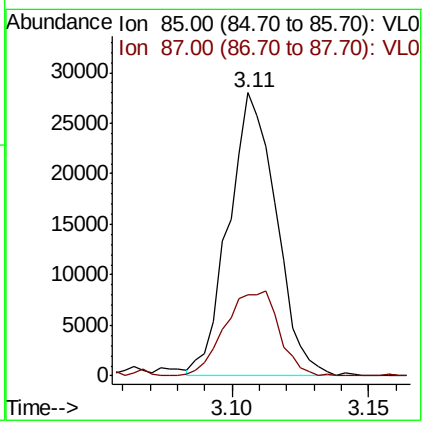


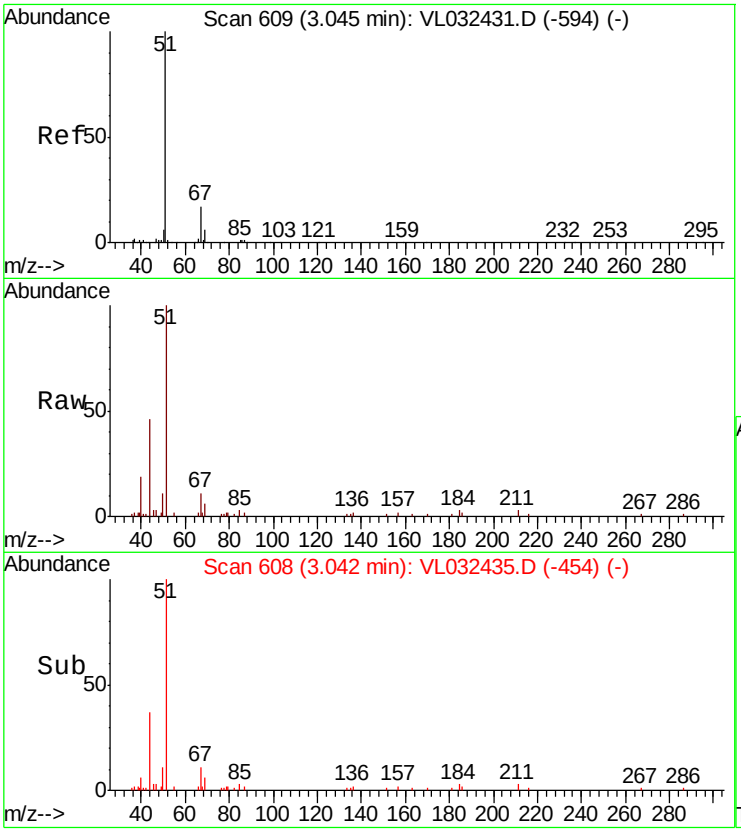


#2
Dichlorodifluoromethane
Concen: 0.179 ppbv
RT: 3.11 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 85 Resp: 33889

Ion	Ratio	Lower	Upper
85	100		
87	28.6	26.2	39.4



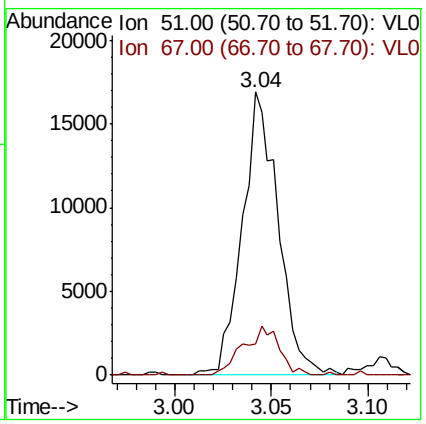


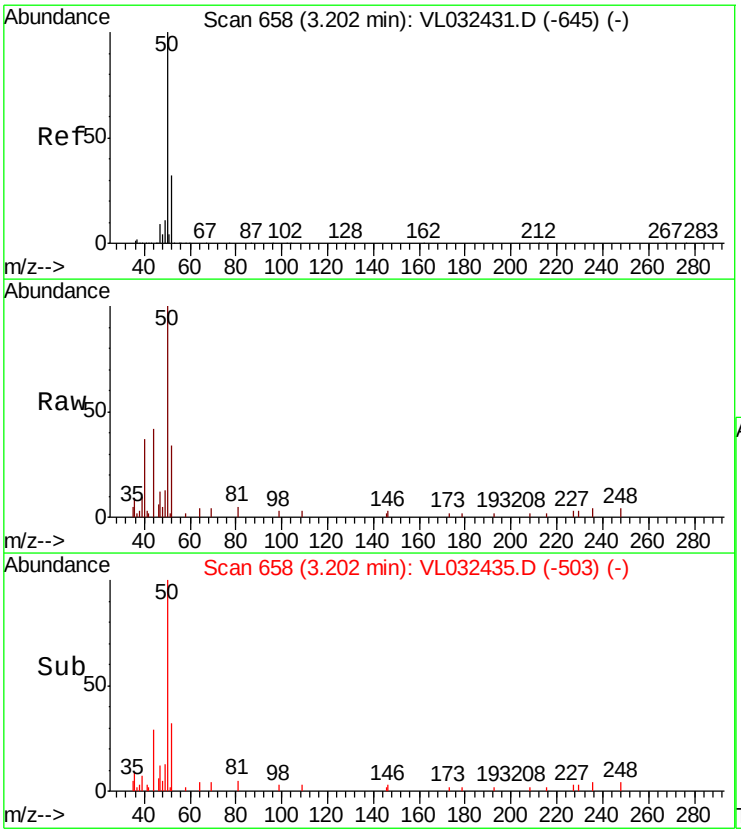
#3
Chlorodifluoromethane
Concen: 0.119 ppbv
RT: 3.04 min Scan# 608
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 21823

Ion	Ratio	Lower	Upper
51	100		
67	17.5	13.8	20.8

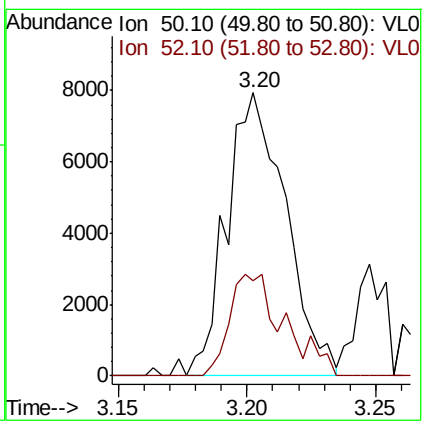


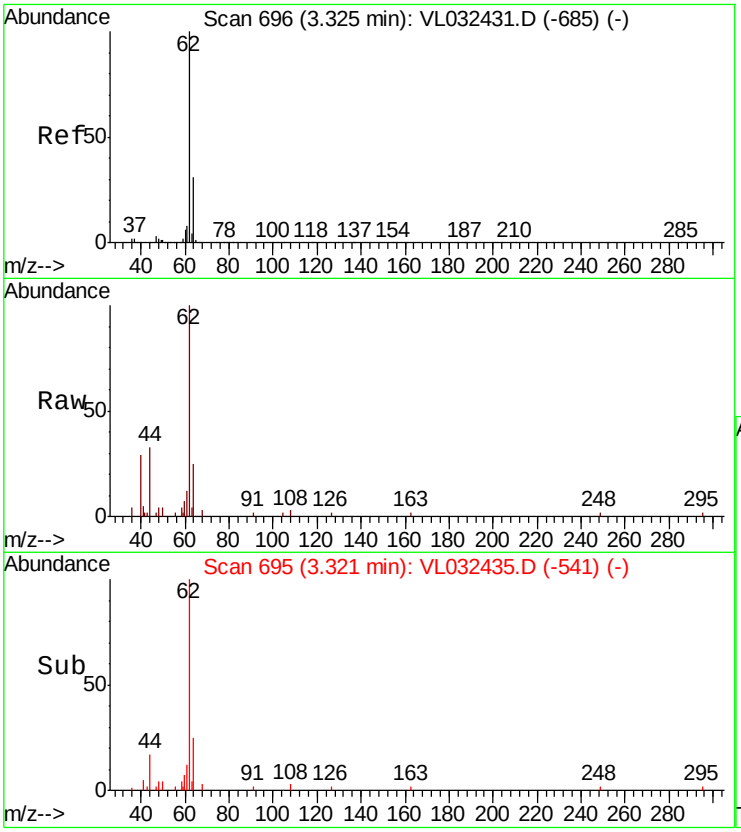


#4
Chloromethane
Concen: 0.113 ppbv
RT: 3.20 min Scan# 658
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 50 Resp: 12659

Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.6	38.4



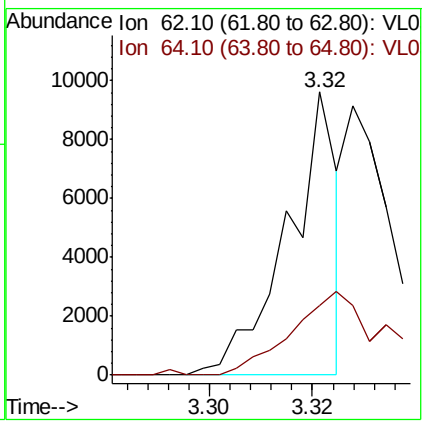


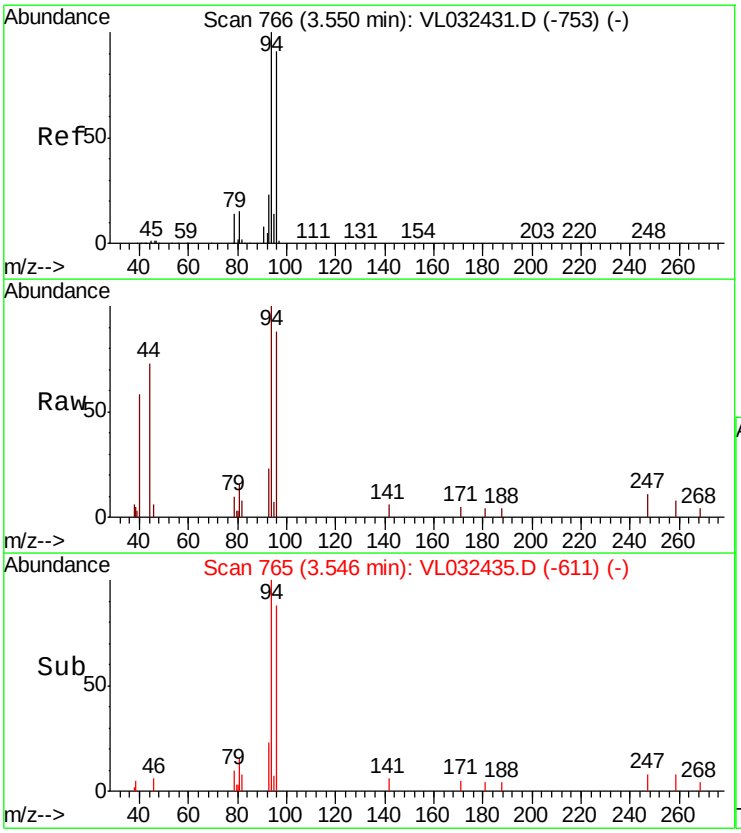
#5
Vinyl Chloride
Concen: 0.065 ppbv
RT: 3.32 min Scan# 695
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 62 Resp: 6415

Ion	Ratio	Lower	Upper
62	100		
64	24.8	25.0	37.6#

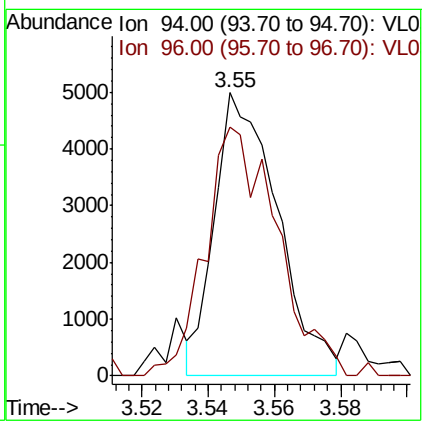


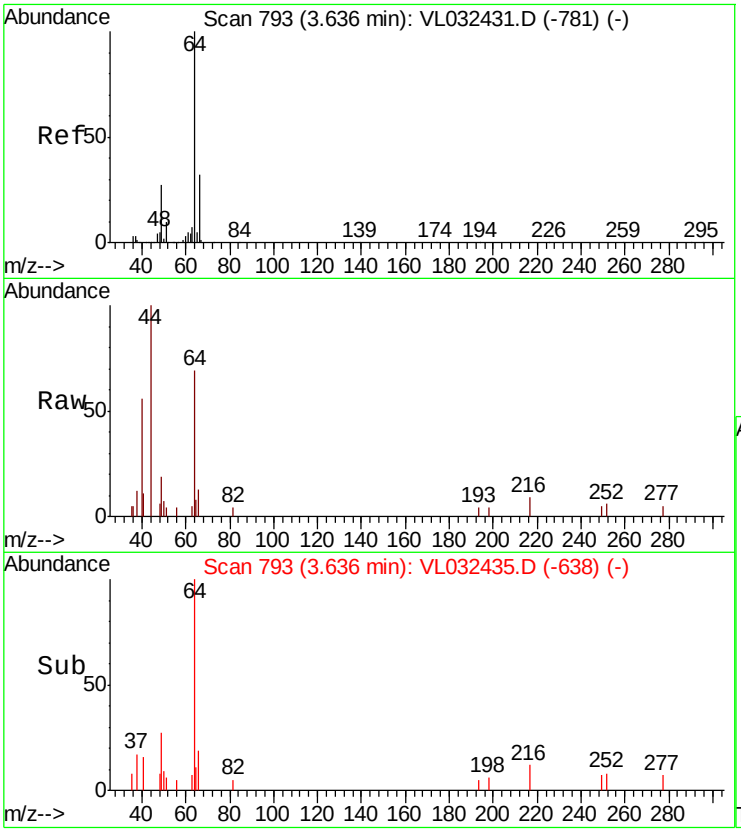


#6
Bromomethane
Concen: 0.109 ppbv
RT: 3.55 min Scan# 765
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 94 Resp: 6569

Ion	Ratio	Lower	Upper
94	100		
96	86.0	72.8	109.2



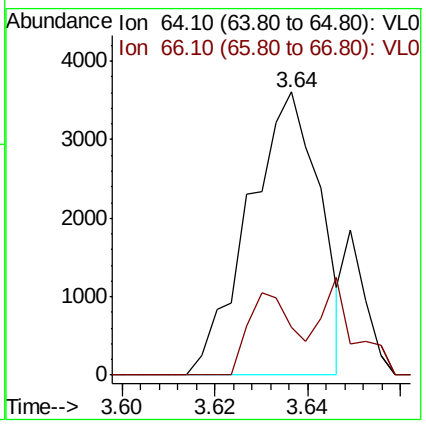


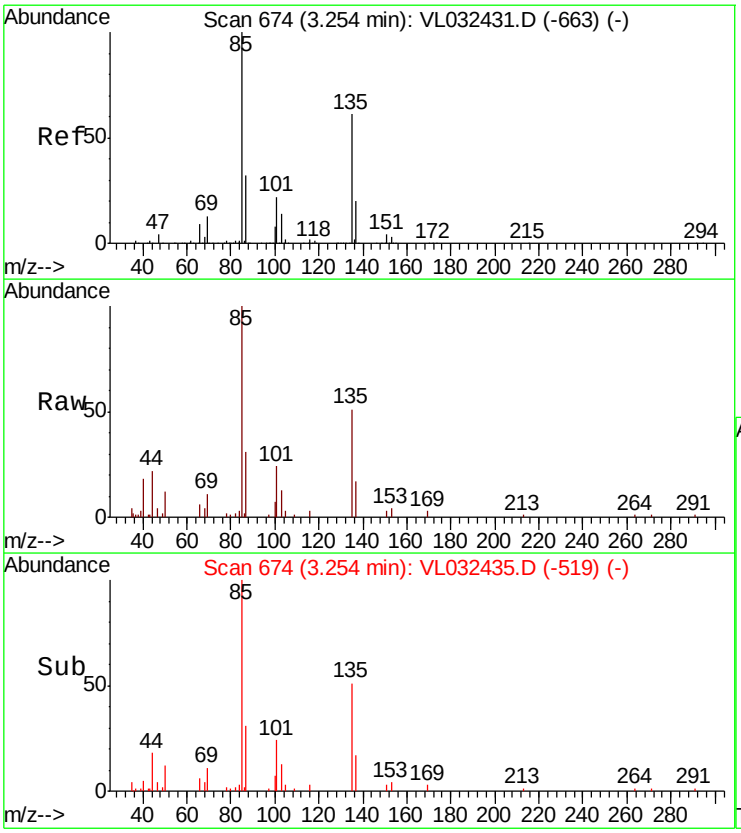
#7
Chloroethane
Concen: 0.098 ppbv
RT: 3.64 min Scan# 793
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 64 Resp: 3842

Ion	Ratio	Lower	Upper
64	100		
66	17.1	25.8	38.6#

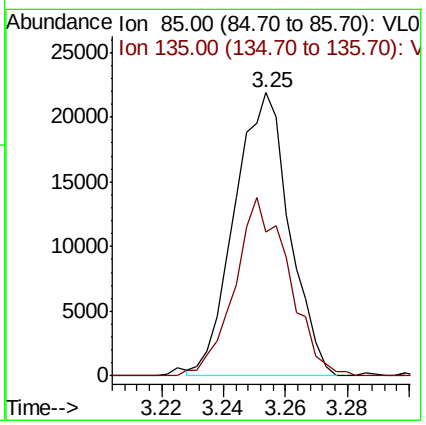


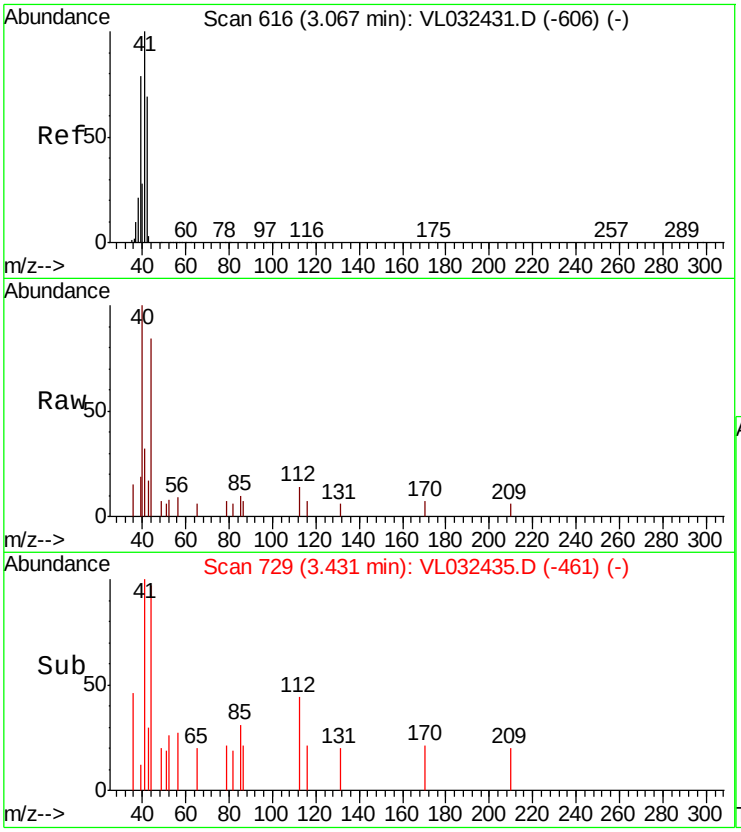


#8
Dichlorotetrafluoroethane
Concen: 0.116 ppbv
RT: 3.25 min Scan# 674
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 85 Resp: 27052

Ion	Ratio	Lower	Upper
85	100		
135	61.9	48.6	72.8



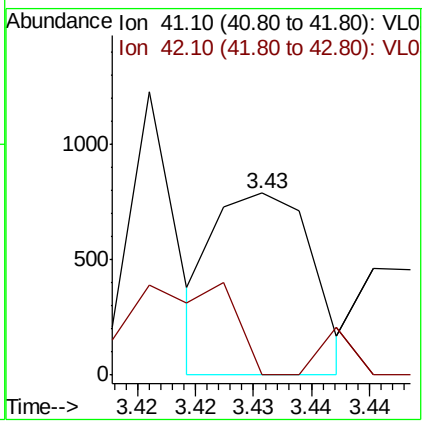


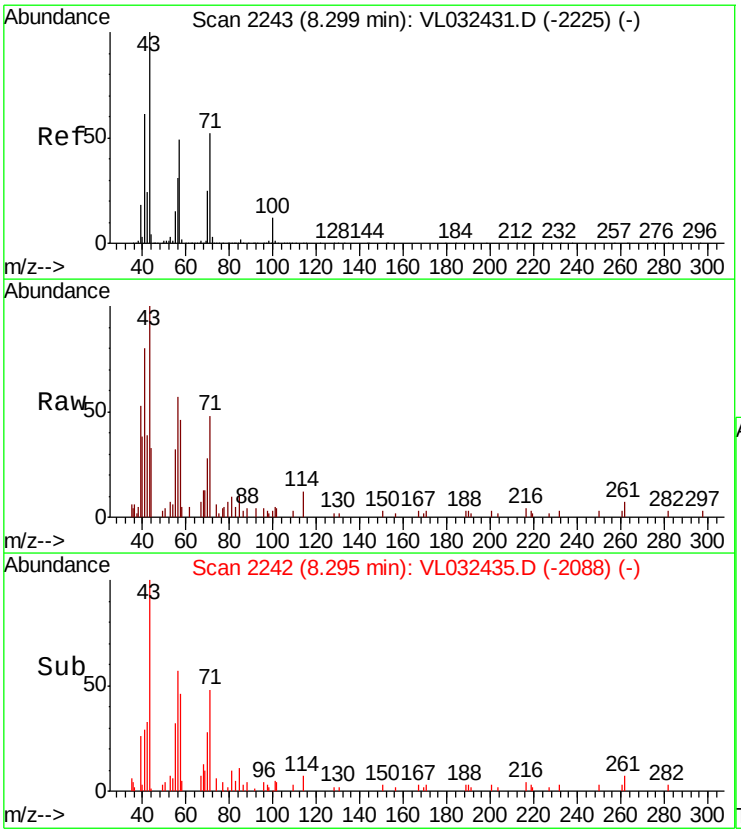
#9
Propene
Concen: 0.006 ppbv
RT: 3.43 min Scan# 729
Delta R.T. 0.36 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 41 Resp: 464

Ion	Ratio	Lower	Upper
41	100		
42	69.6	56.6	84.8

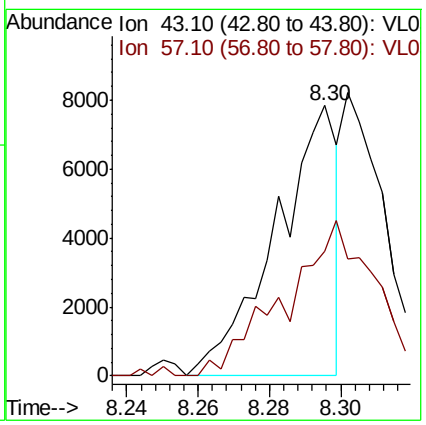


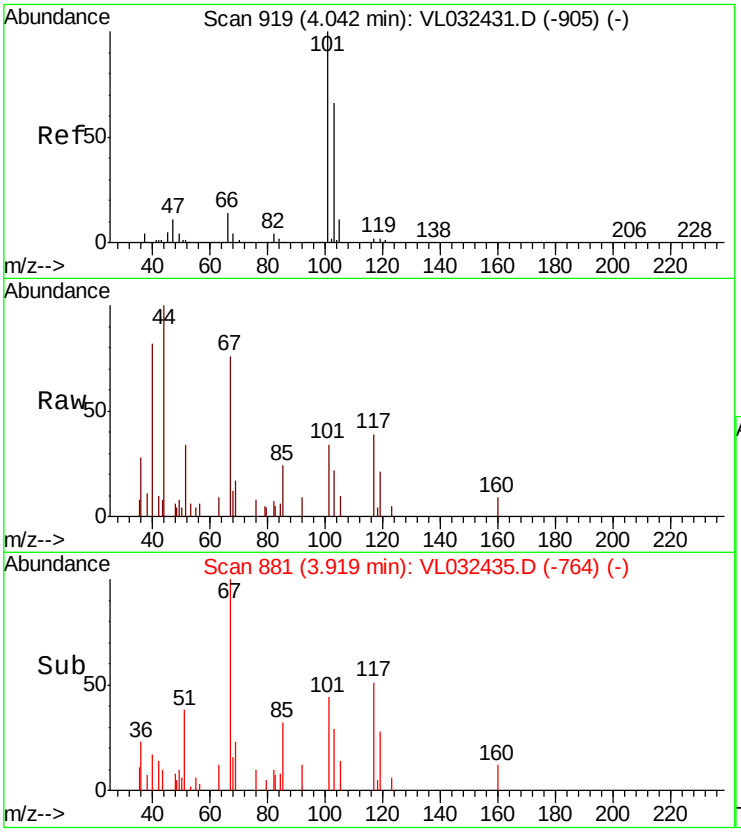


#10
Heptane
Concen: 0.036 ppbv
RT: 8.30 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 43 Resp: 9355

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.8	59.6#



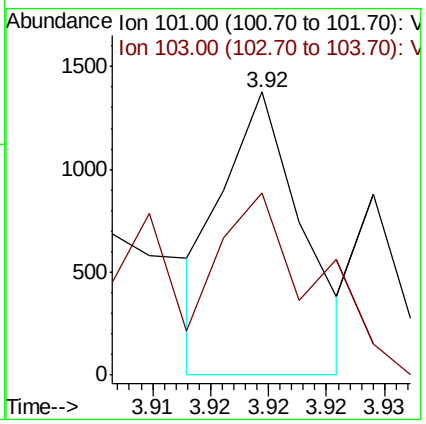


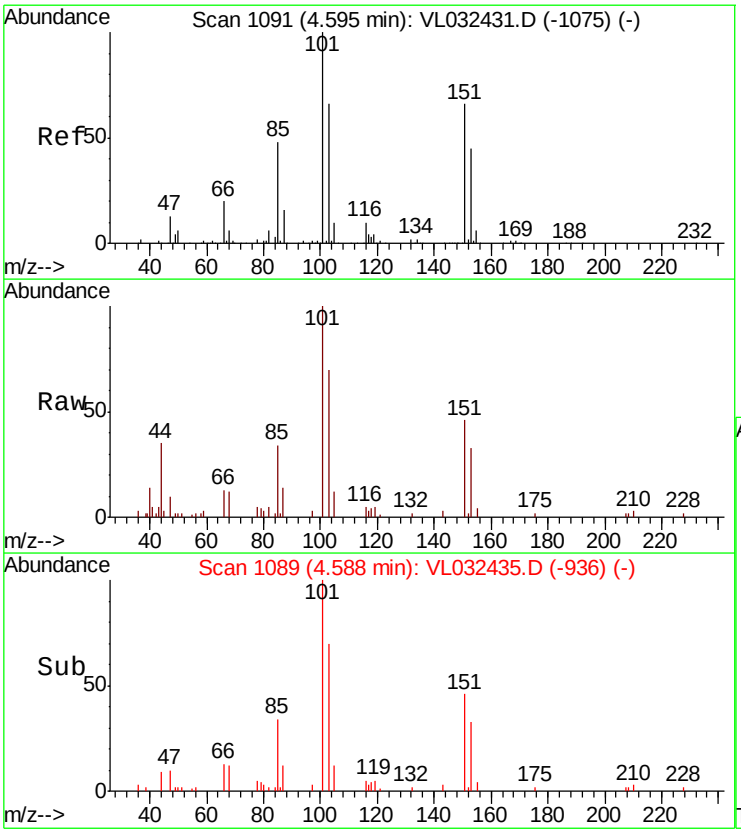
#11
Trichlorofluoromethane
Concen: 0.003 ppbv
RT: 3.92 min Scan# 881
Delta R.T. -0.12 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 656

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.8	79.2

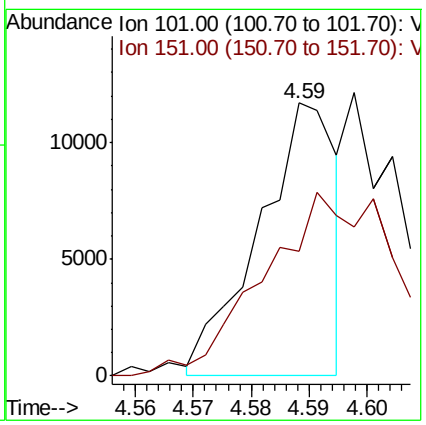


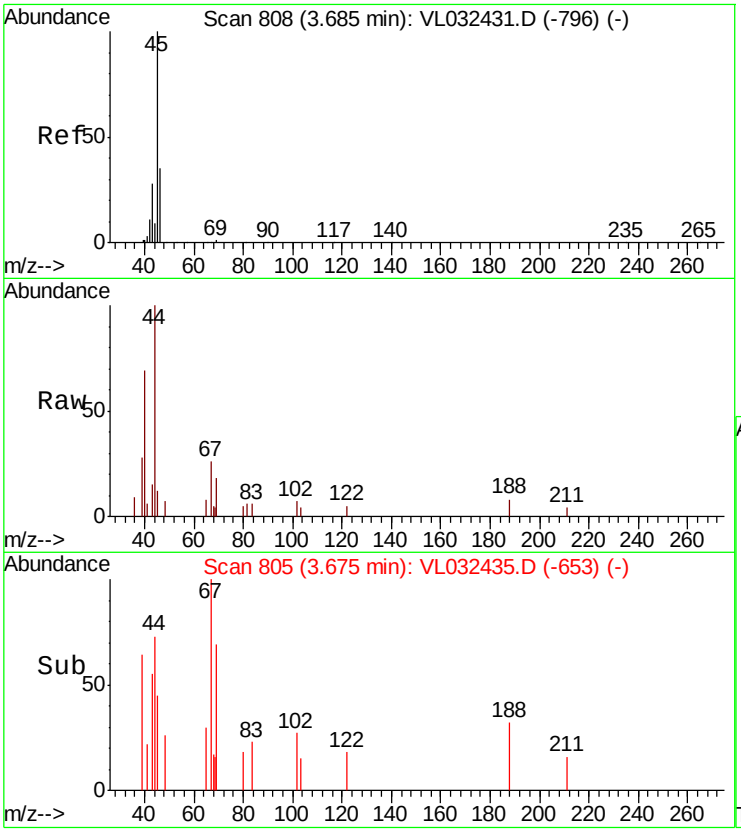


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.068 ppbv
RT: 4.59 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:101 Resp: 10848

Ion	Ratio	Lower	Upper
101	100		
151	118.5	52.6	78.8#



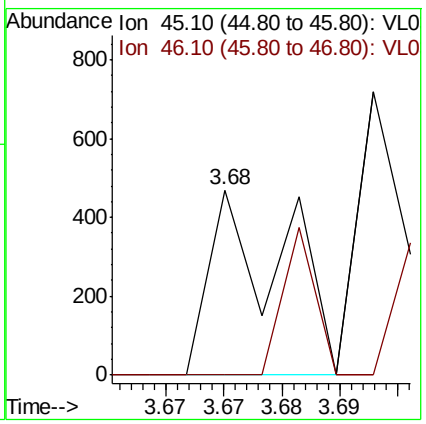


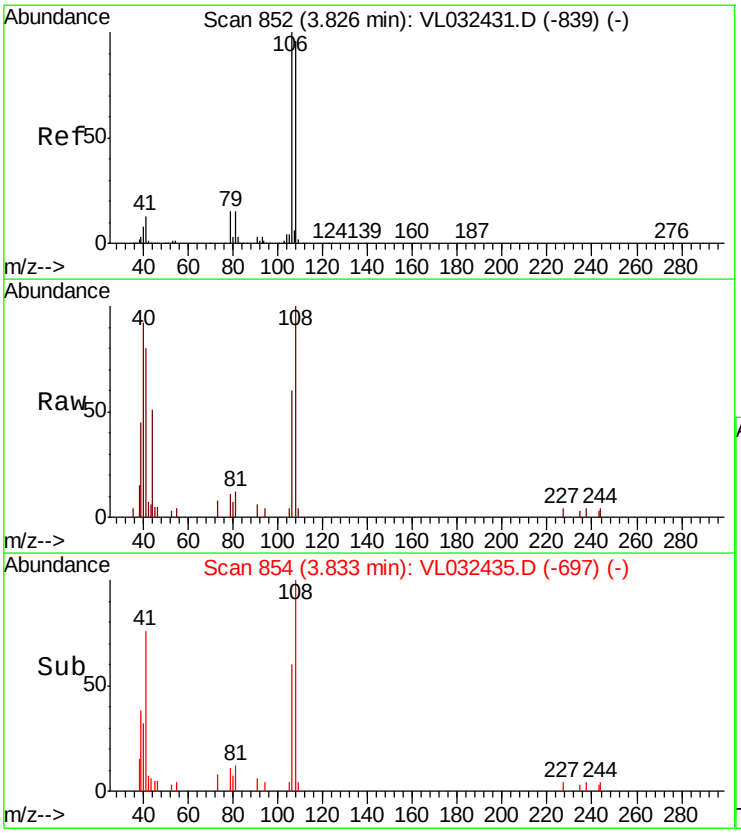
#13
Ethanol
Concen: 0.009 ppbv
RT: 3.68 min Scan# 805
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 45 Resp: 206

Ion	Ratio	Lower	Upper
45	100		
46	0.0	13.9	55.7#

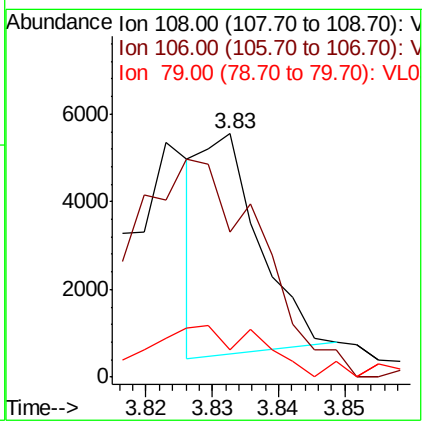


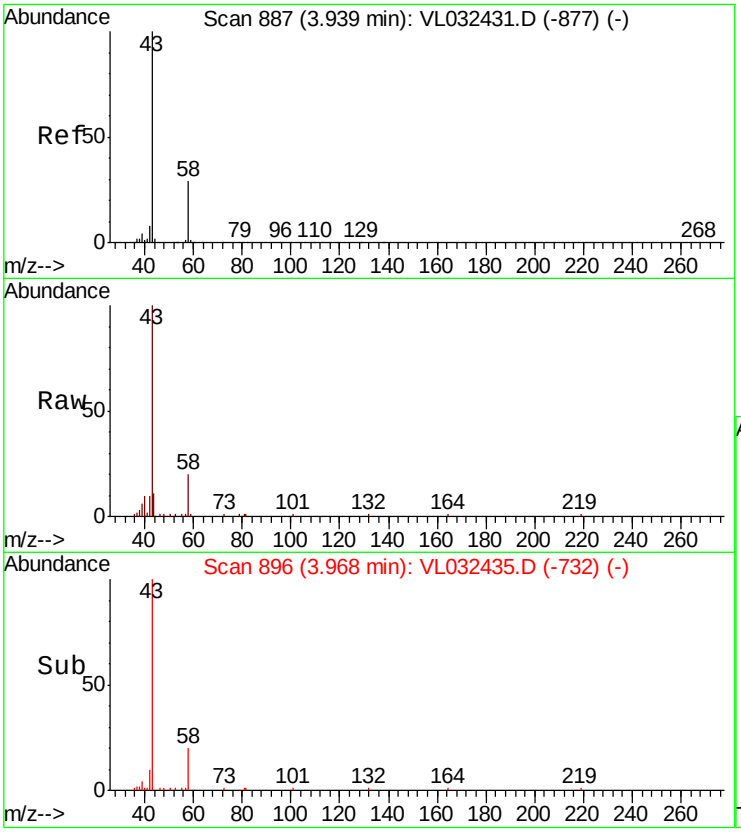


#14
Bromoethene
Concen: 0.044 ppbv
RT: 3.83 min Scan# 854
Delta R.T. 0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:108 Resp: 3055

Ion	Ratio	Lower	Upper
108	100		
106	243.7	85.5	128.3#
79	53.4	13.0	19.6#



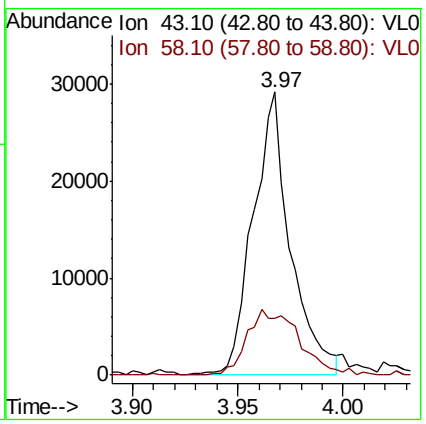


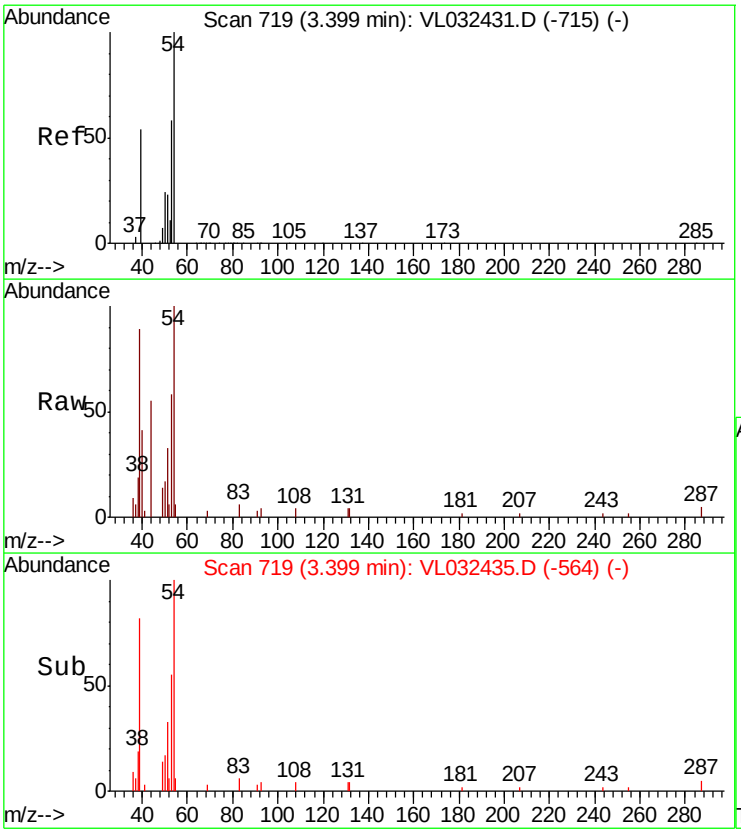
#15
Acetone
Concen: 0.179 ppbv
RT: 3.97 min Scan# 896
Delta R.T. 0.03 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 43 Resp: 36137

Ion	Ratio	Lower	Upper
43	100		
58	32.3	22.6	33.8

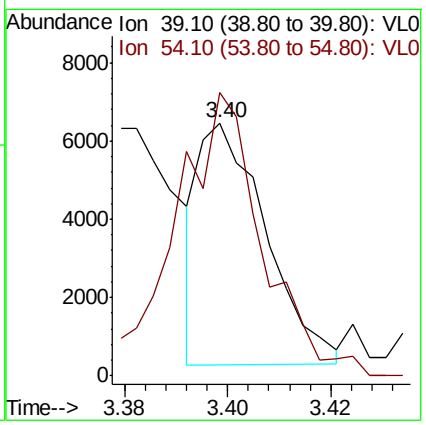


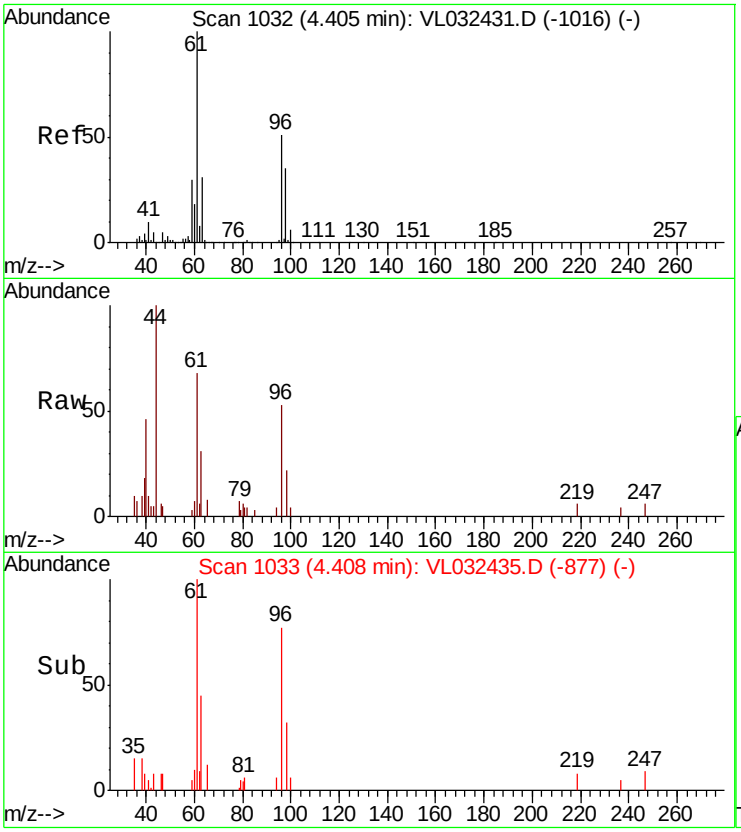


#16
1,3-Butadiene
Concen: 0.066 ppbv
RT: 3.40 min Scan# 719
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 39 Resp: 5568

Ion	Ratio	Lower	Upper
39	100		
54	158.4	80.8	121.2#



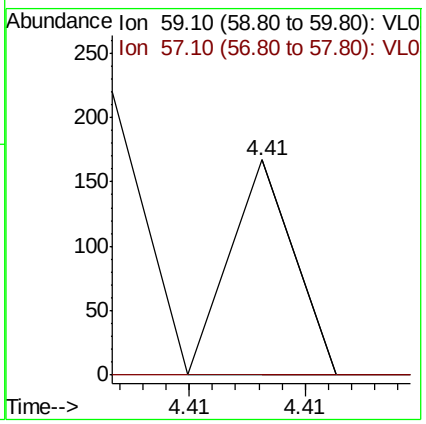


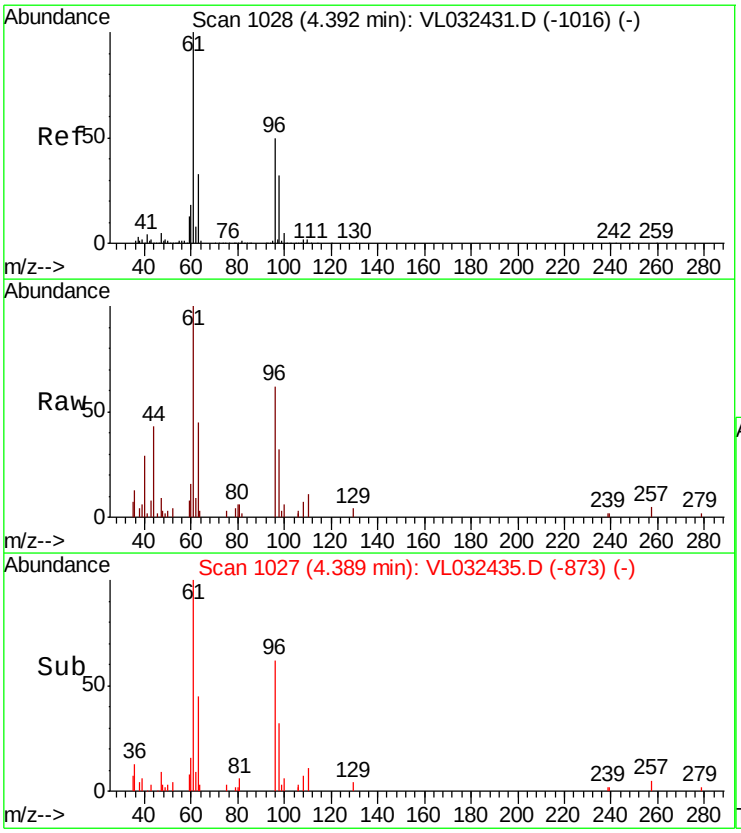
#17
tert-Butyl alcohol
Concen: 0.001 ppbv
RT: 4.41 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 59 Resp: 32

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.0	10.4#

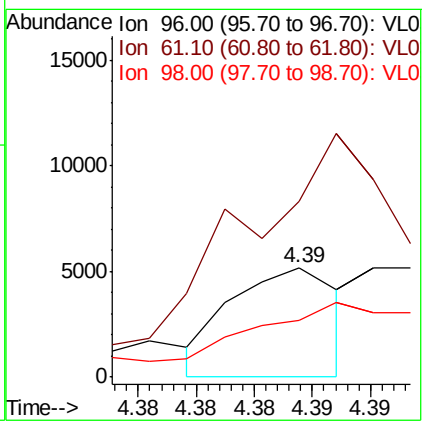


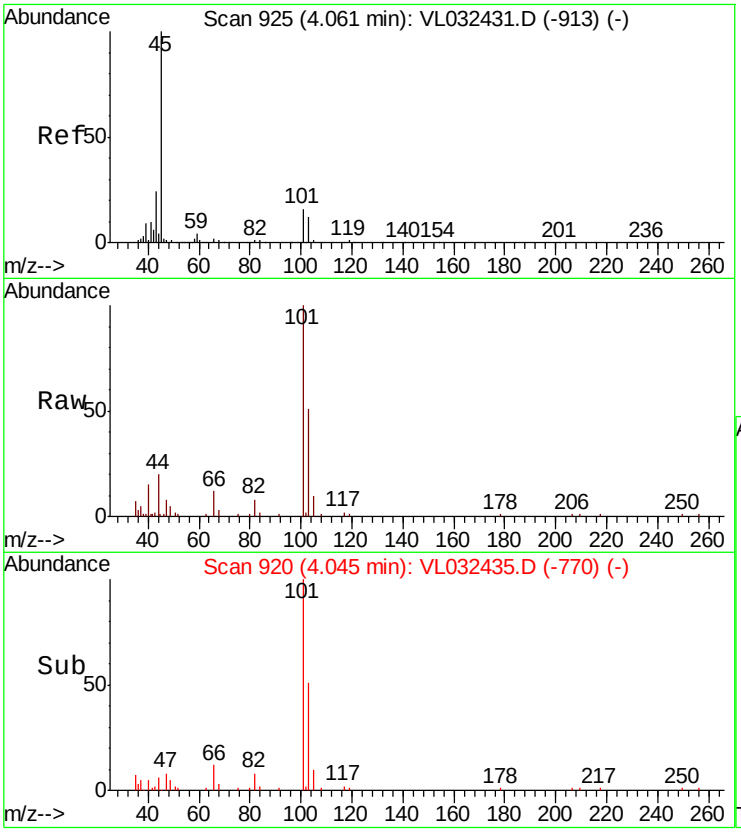


#18
1,1-Dichloroethene
Concen: 0.046 ppbv
RT: 4.39 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 96 Resp: 3354

Ion	Ratio	Lower	Upper
96	100		
61	135.9	159.2	238.8#
98	53.1	51.0	76.4



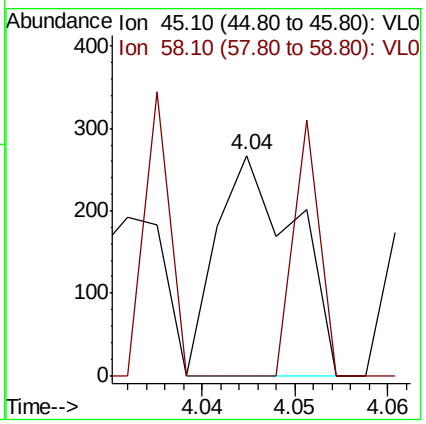


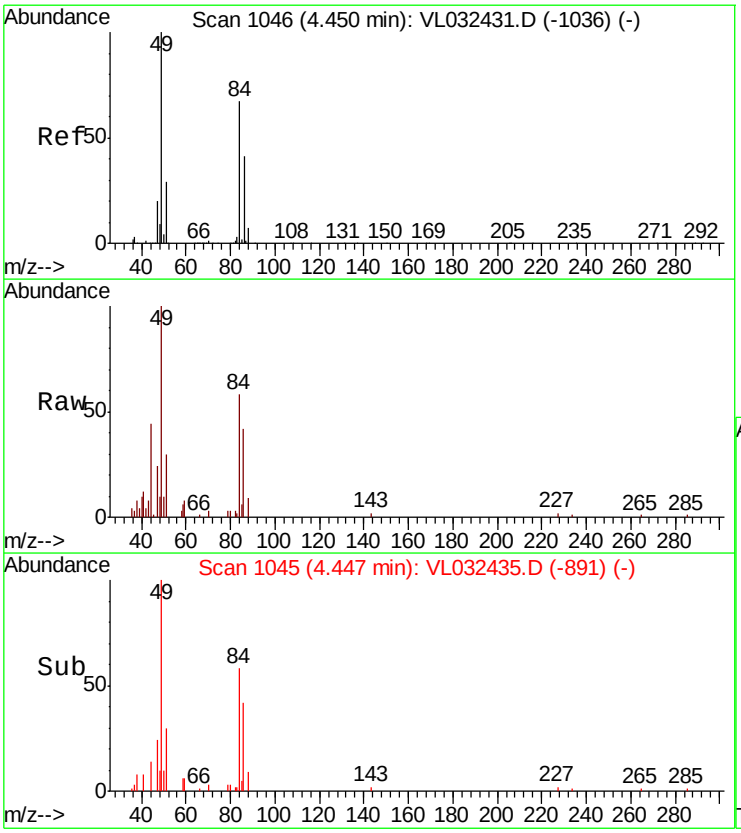
#19
Isopropyl Alcohol
Concen: 0.001 ppbv
RT: 4.04 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 45 Resp: 158

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#

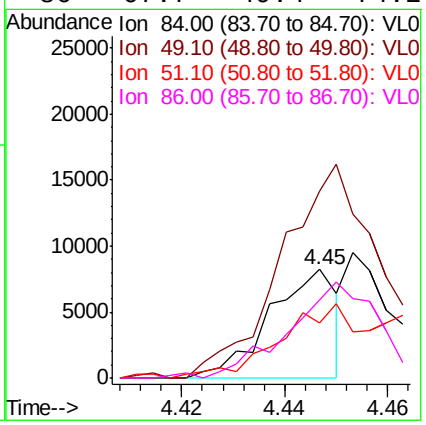


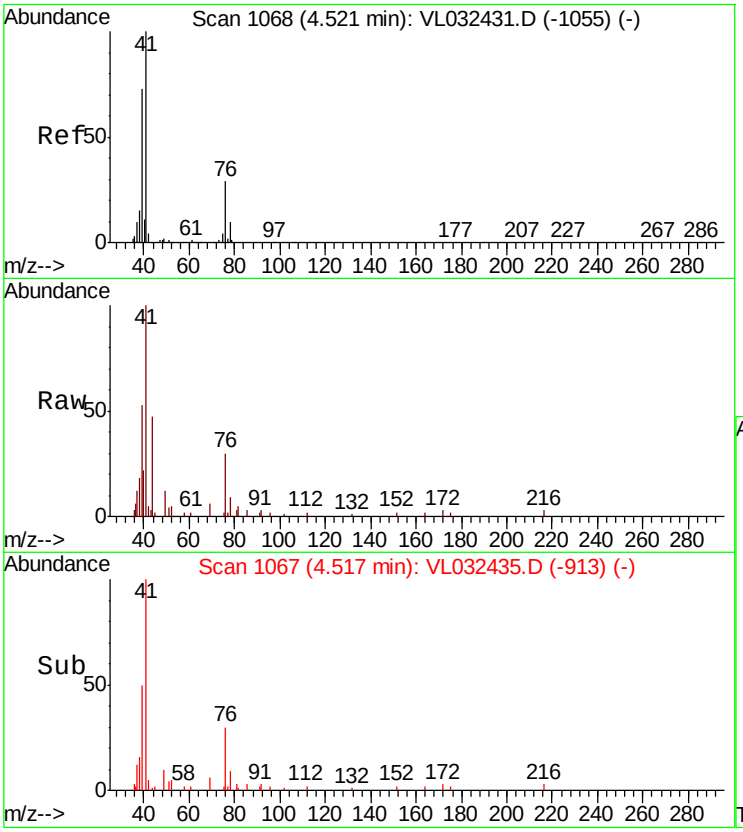


#20
Methylene Chloride
Concen: 0.099 ppbv
RT: 4.45 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 84 Resp: 7411

Ion	Ratio	Lower	Upper
84	100		
49	171.7	119.1	178.7
51	47.5	35.2	52.8
86	67.7	49.4	74.2



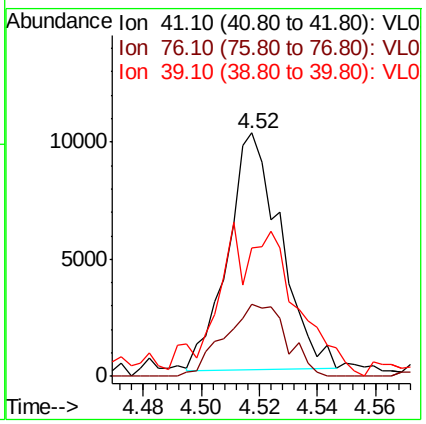


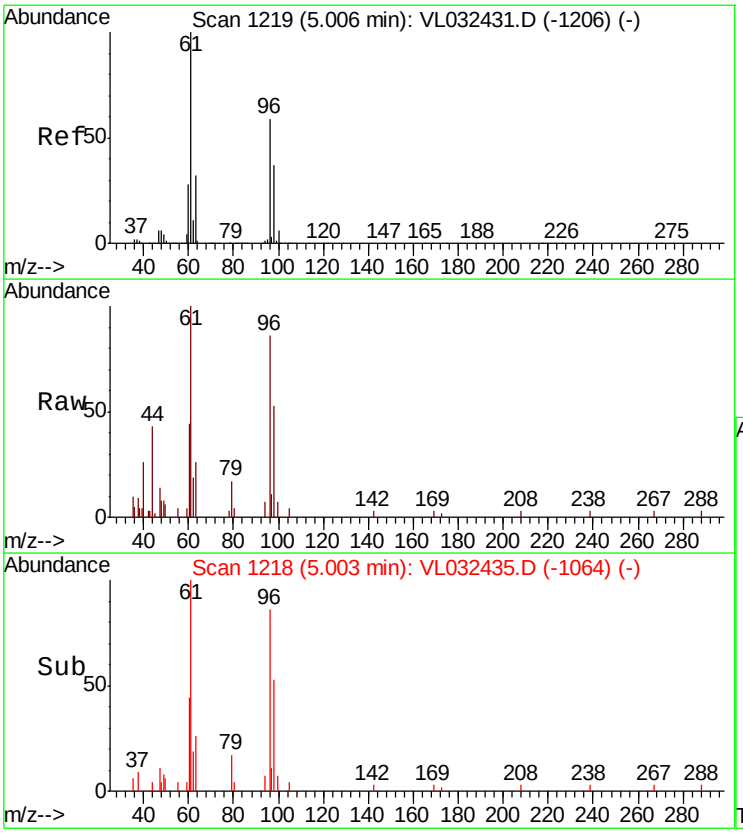
#21
Allyl Chloride
Concen: 0.100 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 41 Resp: 12775

Ion	Ratio	Lower	Upper
41	100		
76	35.6	23.6	35.4#
39	112.7	57.7	86.5#

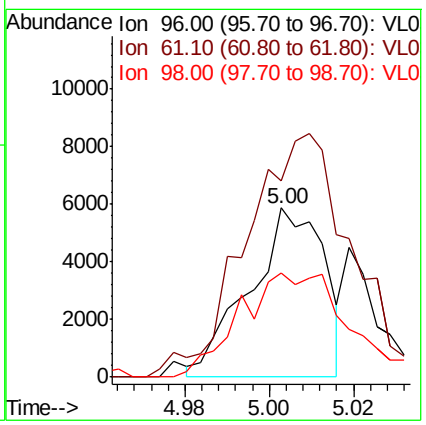


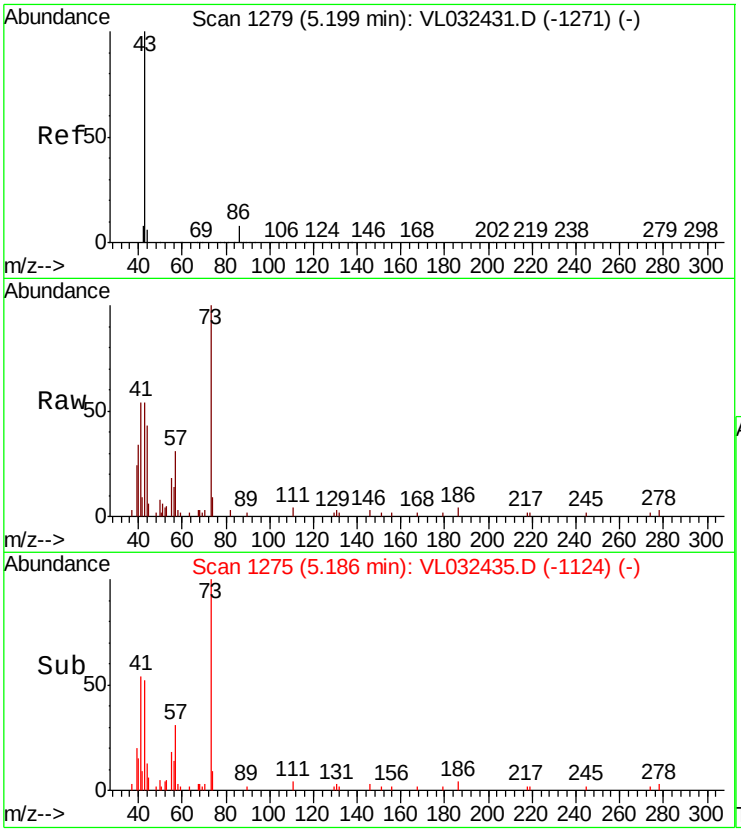


#22
trans-1,2-Dichloroethene
Concen: 0.092 ppbv
RT: 5.00 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 96 Resp: 7213

Ion	Ratio	Lower	Upper
96	100		
61	111.4	136.2	204.4#
98	62.5	50.4	75.6



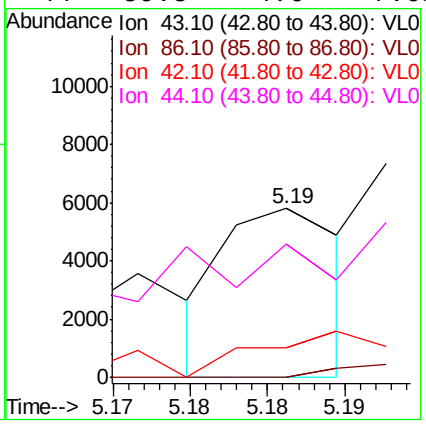


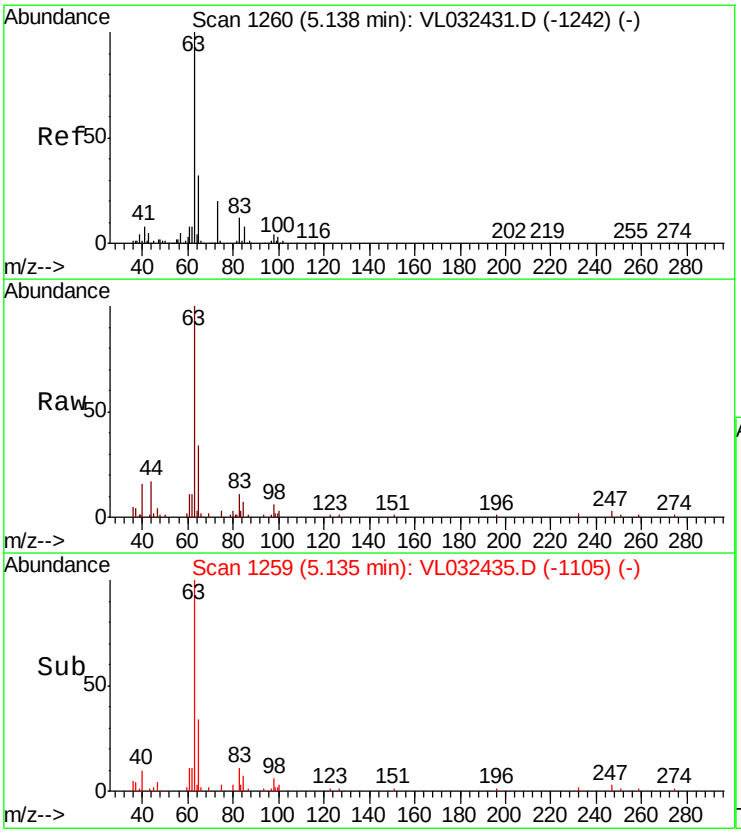
#23
Vinyl Acetate
Concen: 0.010 ppbv
RT: 5.19 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 43 Resp: 3069

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#
42	31.9	6.9	10.3#
44	59.5	4.6	7.0#

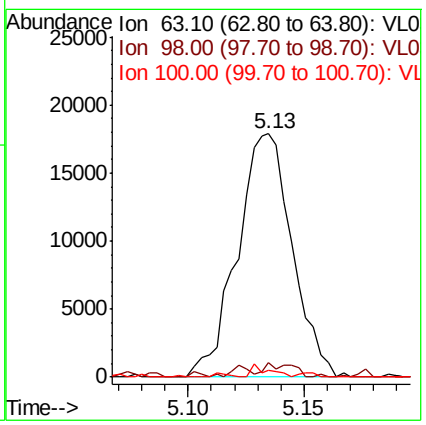


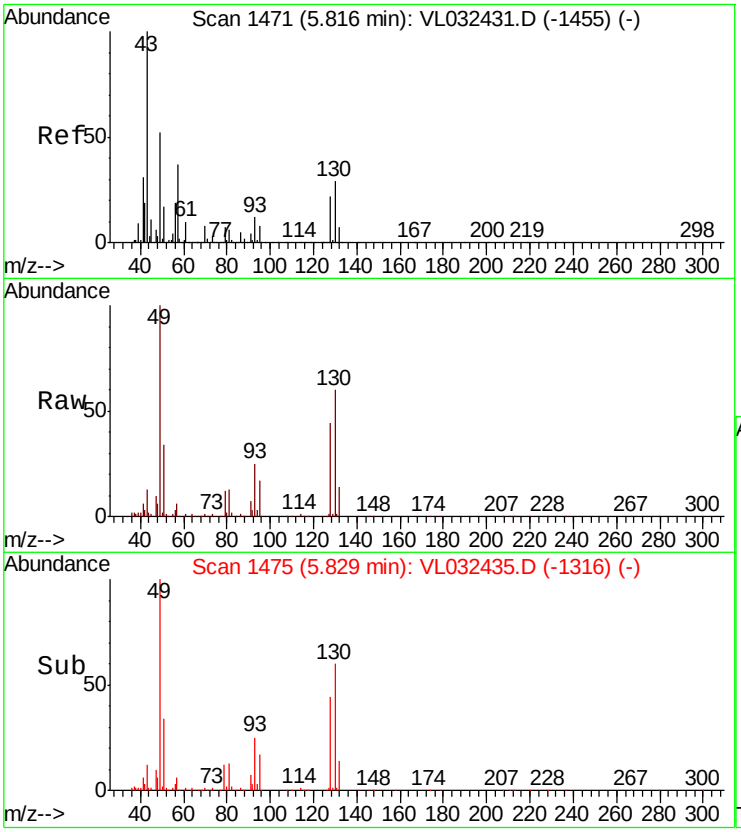


#24
1,1-Dichloroethane
Concen: 0.118 ppbv
RT: 5.13 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 63 Resp: 29395

Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.1	6.5
100	2.8	1.5	4.4



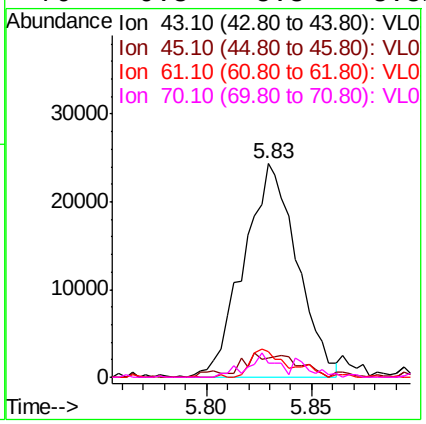


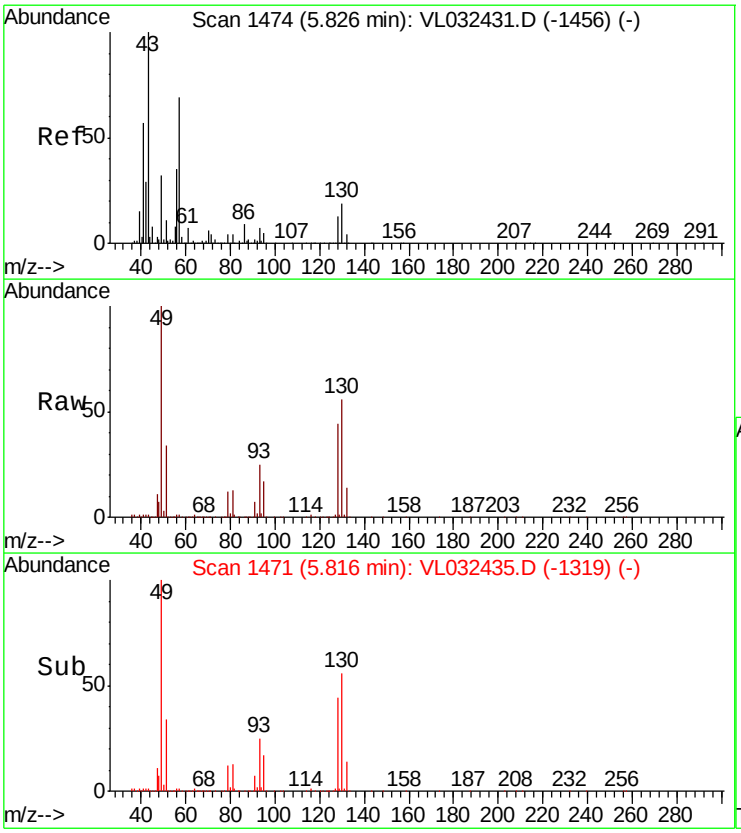
#25
Ethyl Acetate
Concen: 0.100 ppbv
RT: 5.83 min Scan# 1475
Delta R.T. 0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 43 Resp: 42779

Ion	Ratio	Lower	Upper
43	100		
45	12.9	8.0	12.0#
61	10.1	7.6	11.4
70	9.3	5.8	8.8#

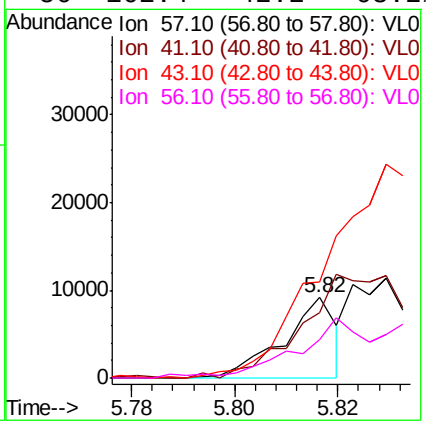


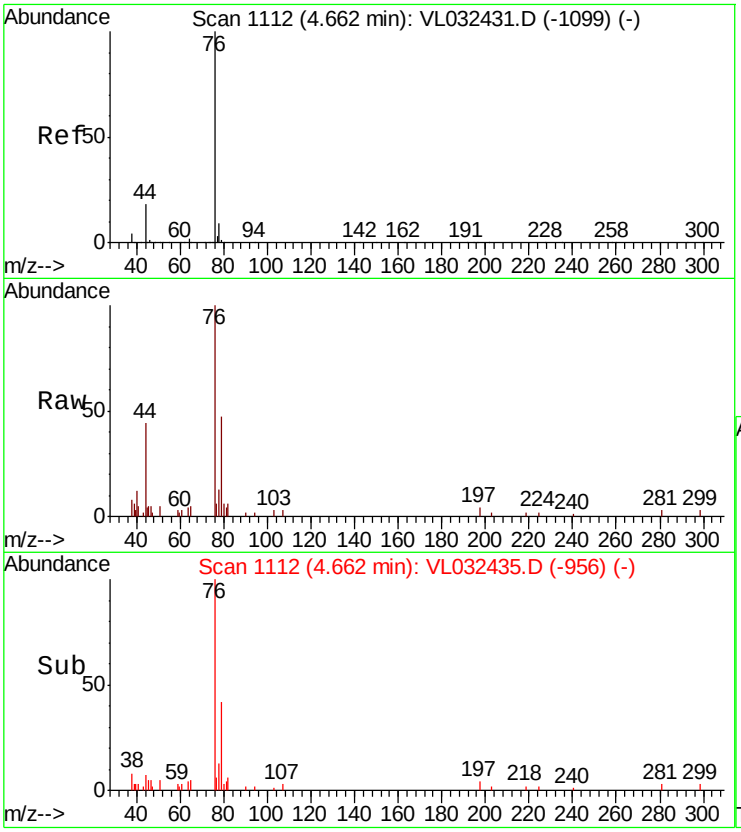


#26
Hexane
Concen: 0.034 ppbv
RT: 5.82 min Scan# 1471
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 57 Resp: 6441

Ion	Ratio	Lower	Upper
57	100		
41	301.4	68.4	102.6#
43	0.0	172.6	258.8#
56	162.4	42.2	63.2#



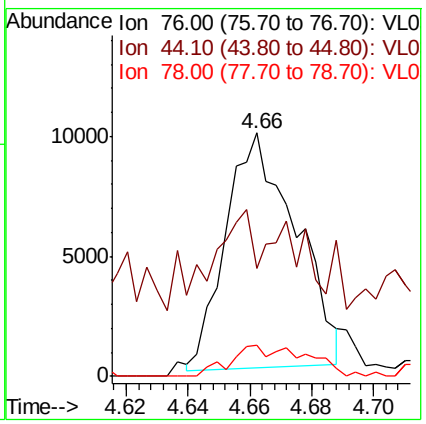


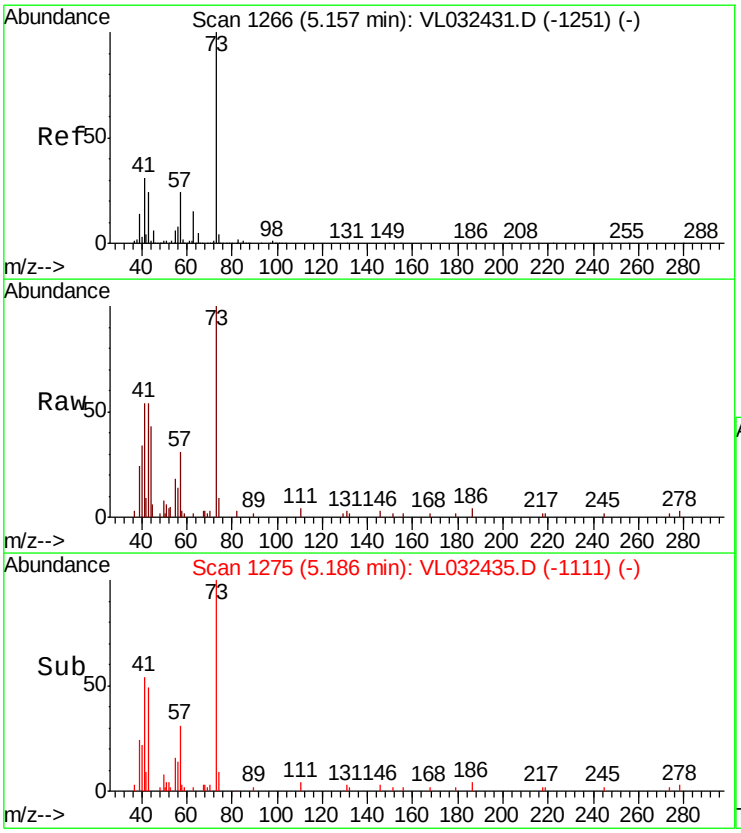
#27
Carbon Disulfide
Concen: 0.084 ppbv
RT: 4.66 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 76 Resp: 15453

Ion	Ratio	Lower	Upper
76	100		
44	51.7	14.0	21.0#
78	14.3	7.5	11.3#

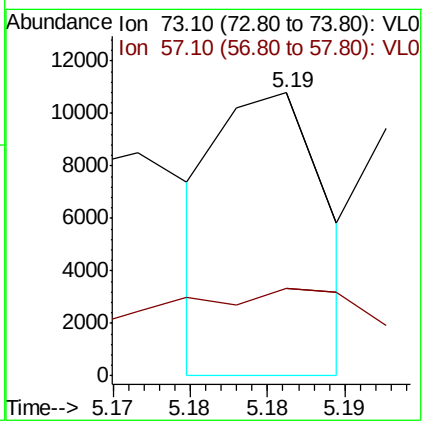


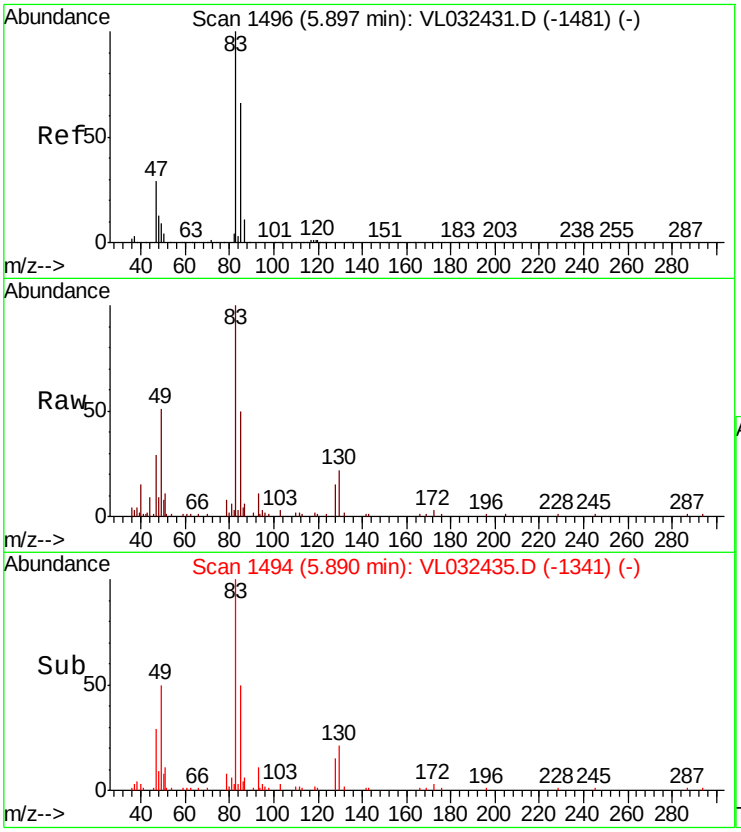


#28
Methyl tert-Butyl Ether
Concen: 0.022 ppbv
RT: 5.19 min Scan# 1275
Delta R.T. 0.03 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 73 Resp: 5170

Ion	Ratio	Lower	Upper
73	100		
57	103.2	19.3	28.9#



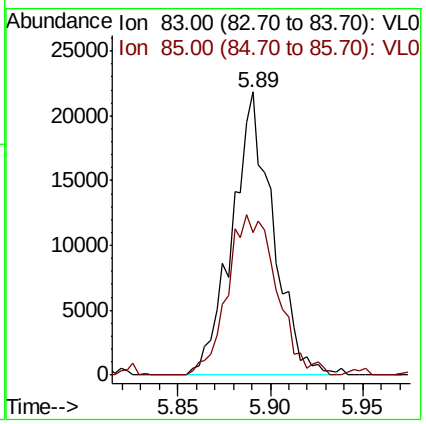


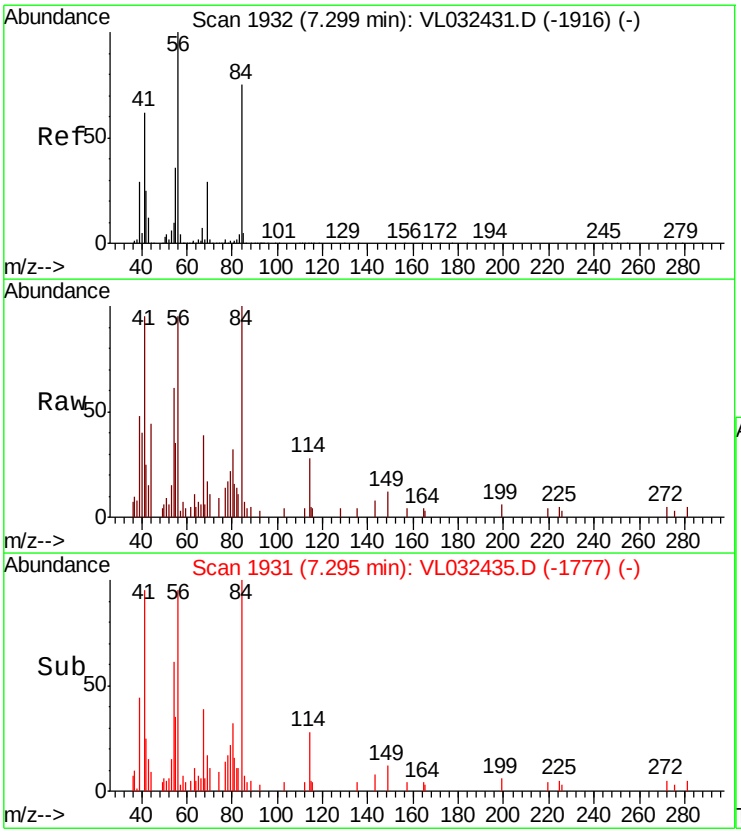
#29
Chloroform
Concen: 0.113 ppbv
RT: 5.89 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 33382

Ion	Ratio	Lower	Upper
83	100		
85	50.3	52.5	78.7#

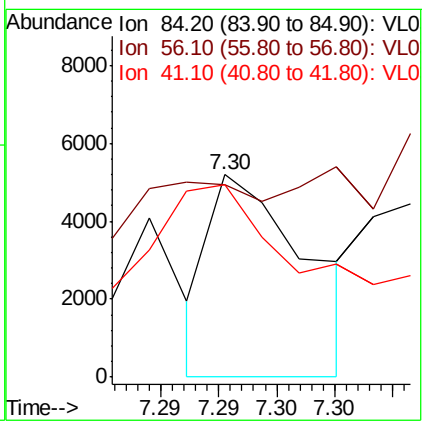


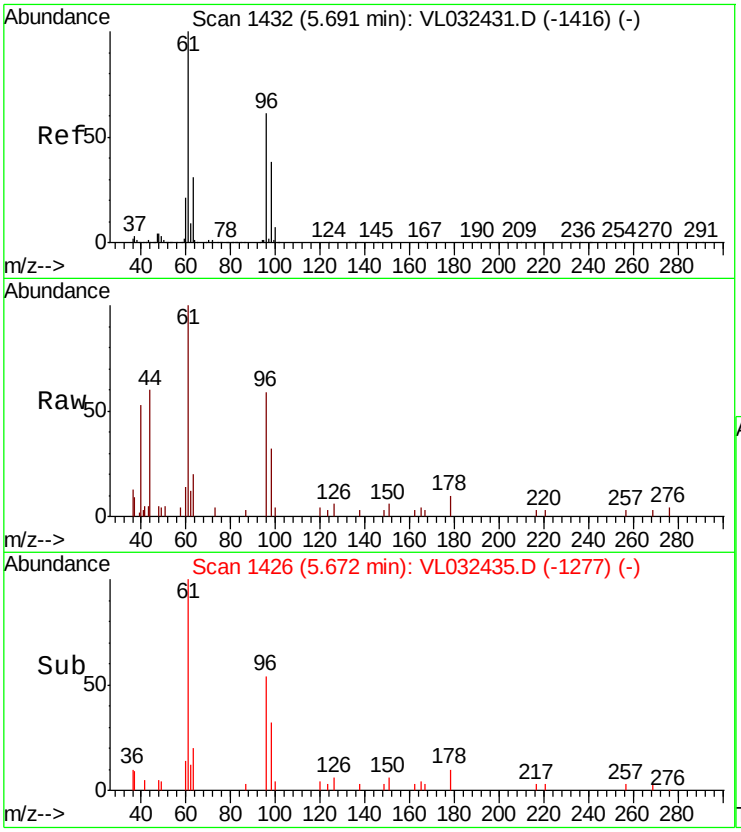


#30
Cyclohexane
Concen: 0.021 ppbv
RT: 7.30 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 84 Resp: 3020

Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.5	170.3#
41	352.7	68.0	102.0#



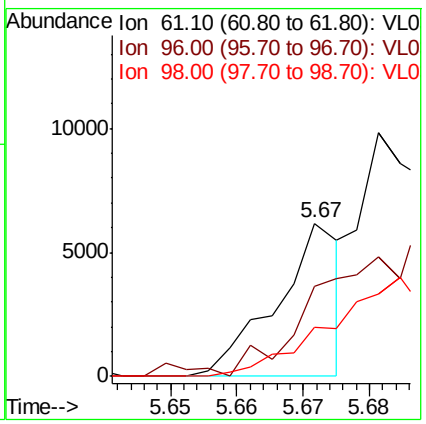


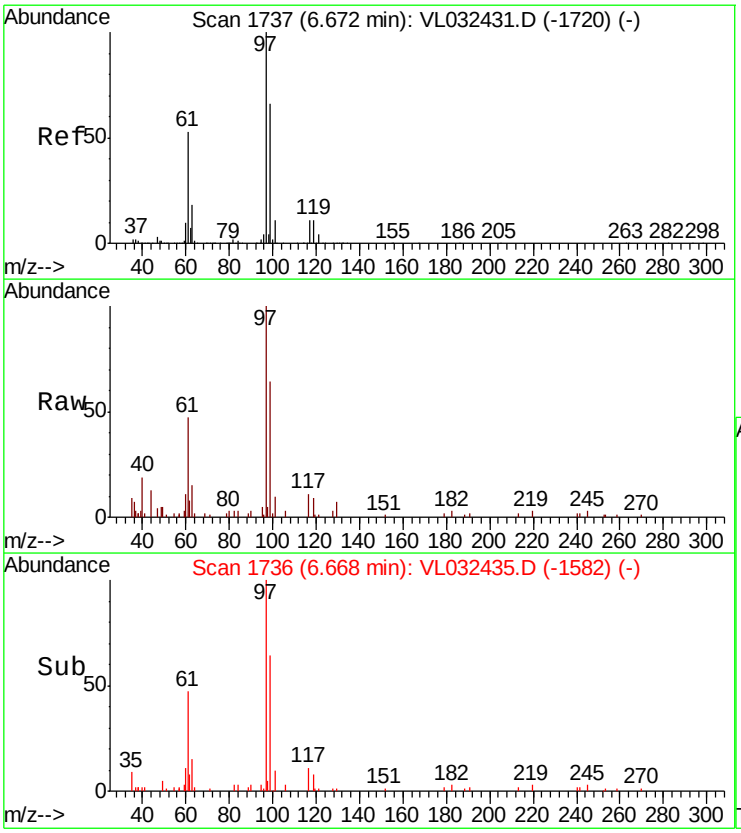
#31
cis-1,2-Dichloroethene
Concen: 0.024 ppbv
RT: 5.67 min Scan# 1426
Delta R.T. -0.02 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 61 Resp: 4150

Ion	Ratio	Lower	Upper
61	100		
96	54.1	49.2	73.8
98	31.9	30.7	46.1

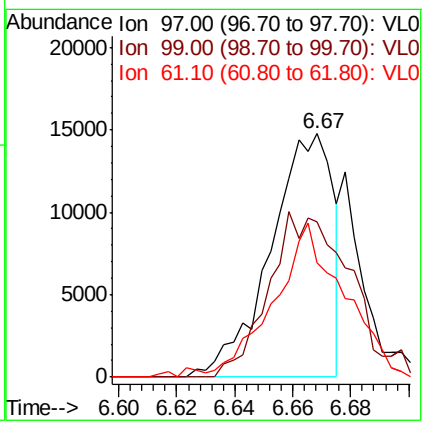


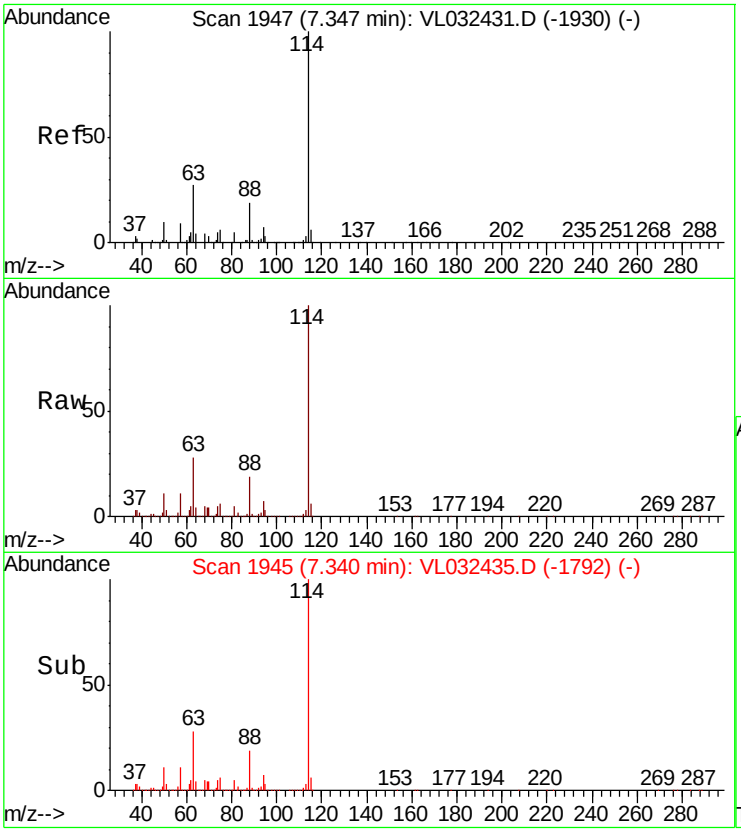


#32
1,1,1-Trichloroethane
Concen: 0.087 ppbv
RT: 6.67 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 97 Resp: 22143

Ion	Ratio	Lower	Upper
97	100		
99	87.4	52.1	78.1#
61	71.6	42.6	64.0#



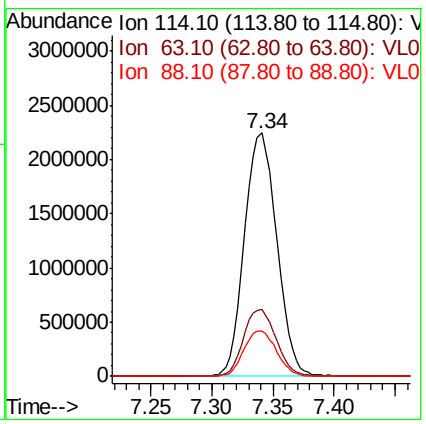


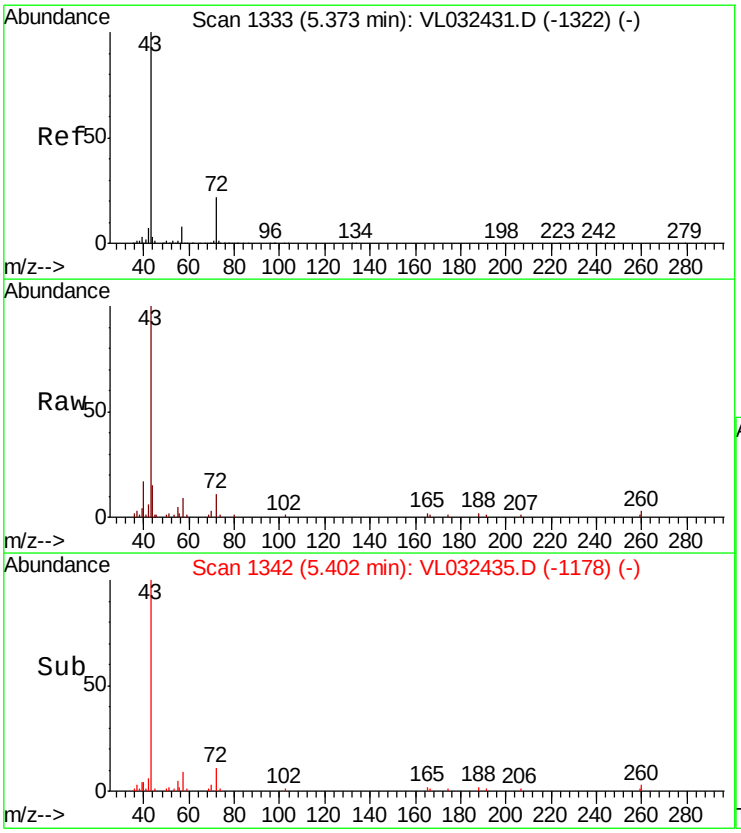
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:114 Resp: 4108033

Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.1	33.1
88	18.8	15.0	22.6

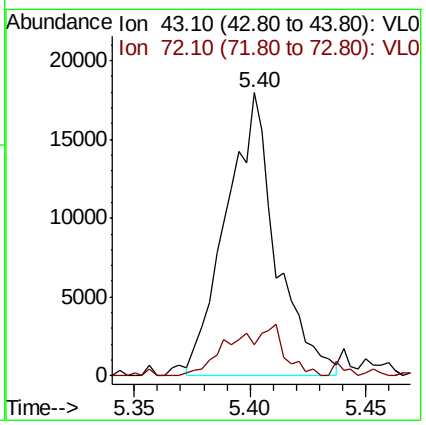


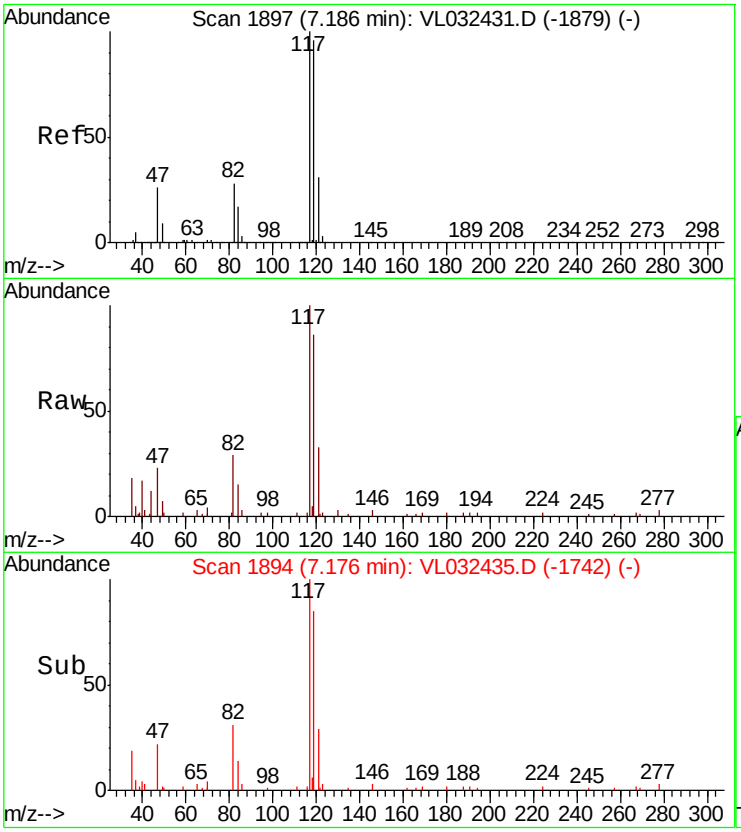


#34
2-Butanone
Concen: 0.103 ppbv
RT: 5.40 min Scan# 1342
Delta R.T. 0.03 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 43 Resp: 26919

Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.8	26.6



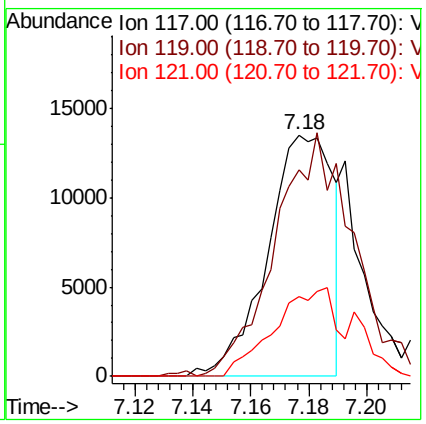


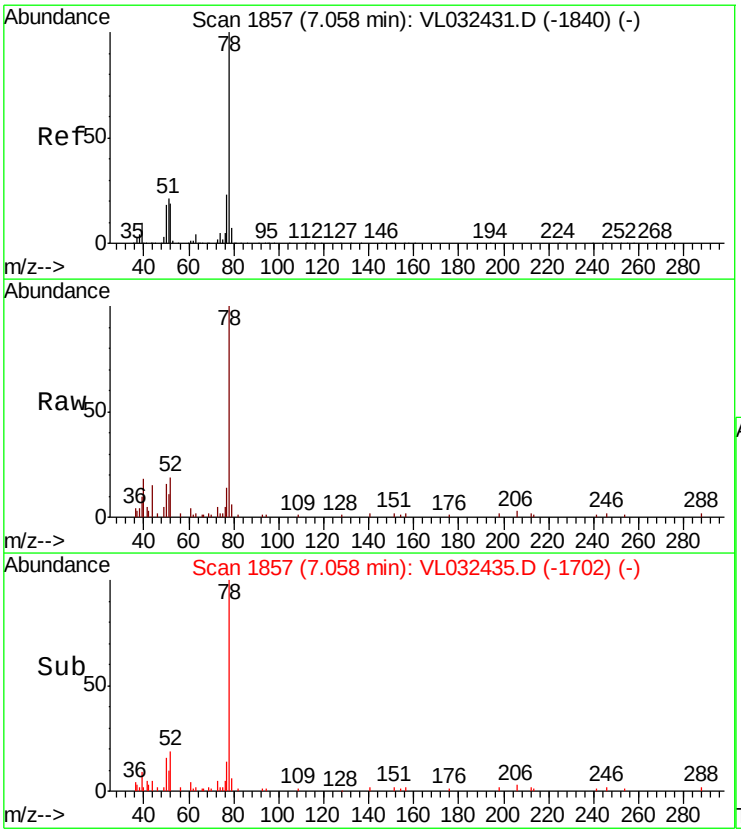
#35
Carbon Tetrachloride
Concen: 0.083 ppbv
RT: 7.18 min Scan# 1894
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 21180

Ion	Ratio	Lower	Upper
117	100		
119	83.3	76.6	115.0
121	33.1	24.6	36.8

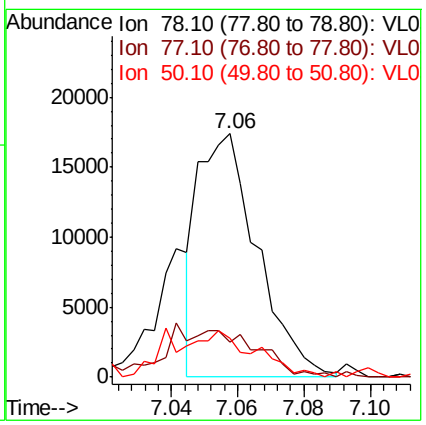


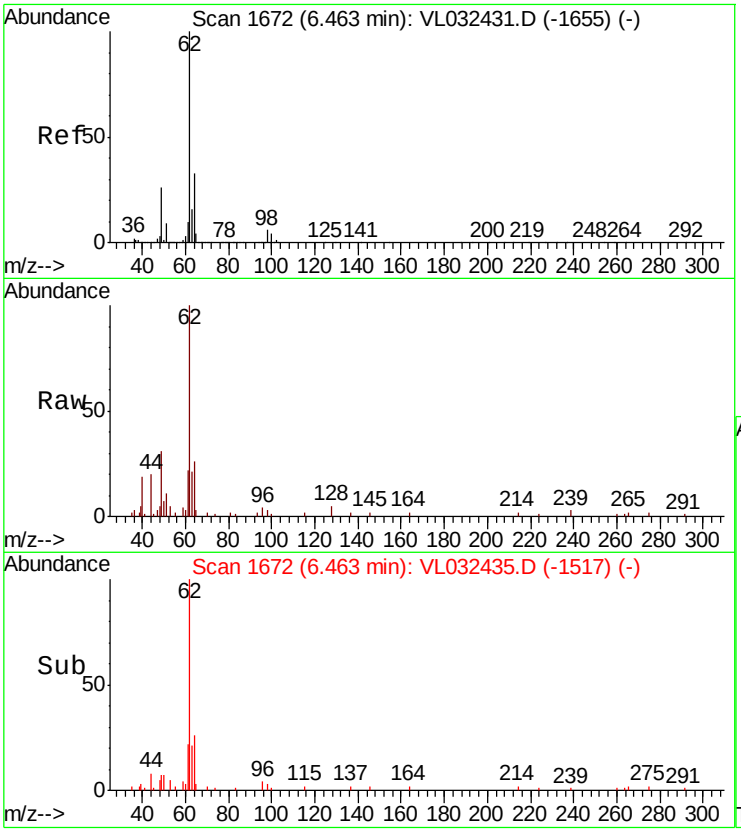


#36
Benzene
Concen: 0.063 ppbv
RT: 7.06 min Scan# 1857
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 78 Resp: 21448

Ion	Ratio	Lower	Upper
78	100		
77	13.0	18.4	27.6#
50	13.8	14.4	21.6#



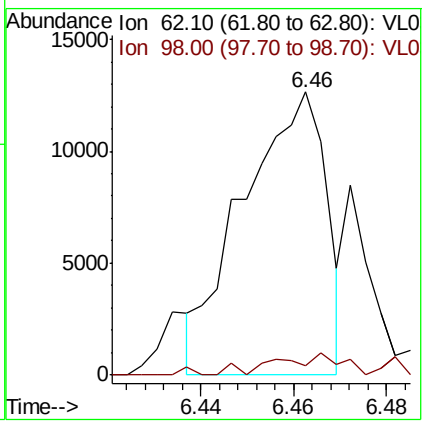


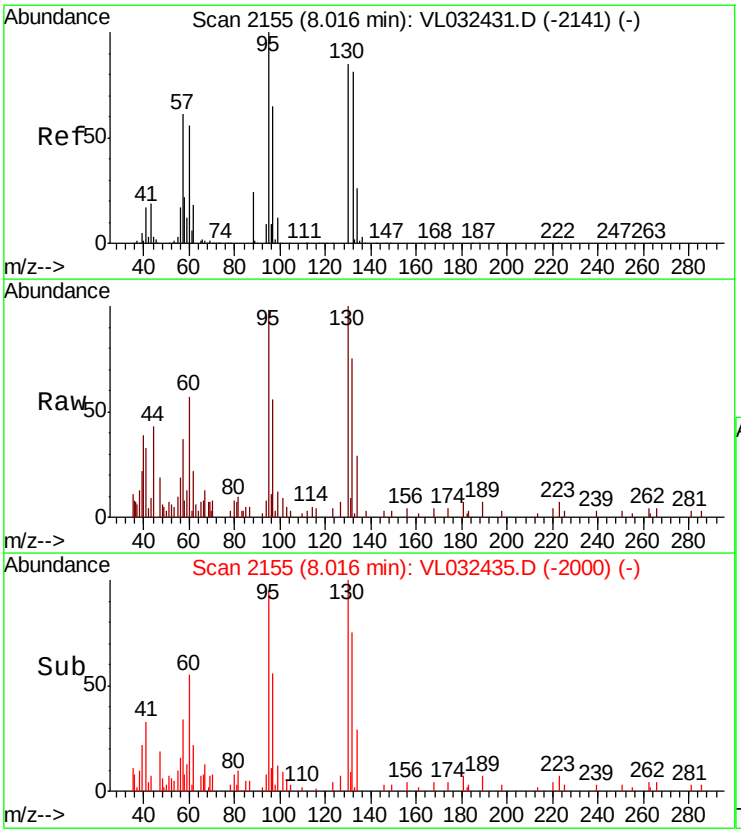
#37
1,2-Dichloroethane
Concen: 0.075 ppbv
RT: 6.46 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 15809

Ion	Ratio	Lower	Upper
62	100		
98	8.0	5.0	7.6#

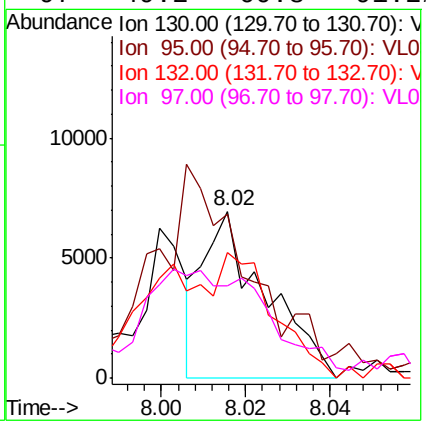


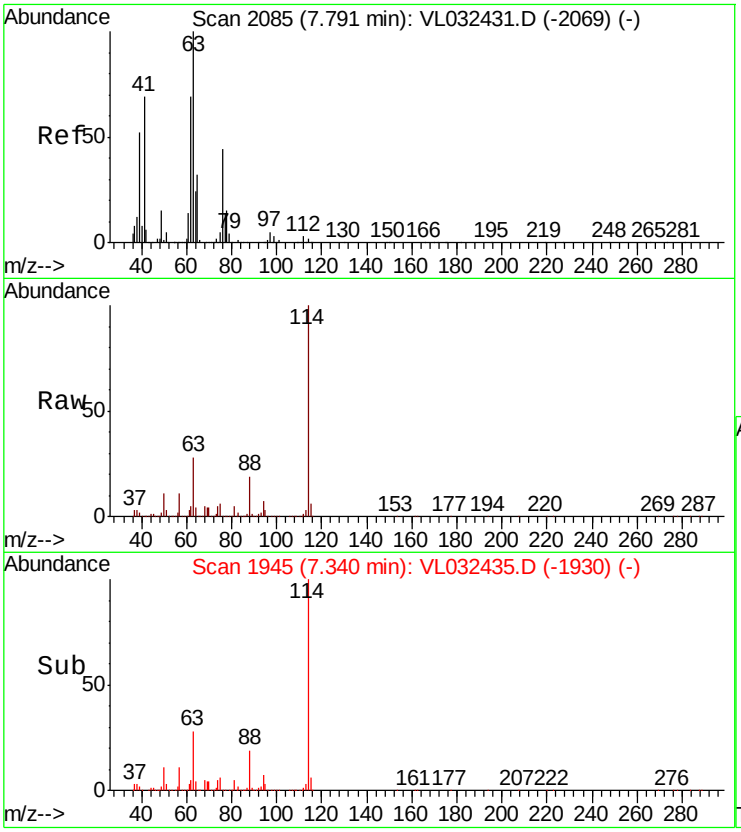


#38
Trichloroethene
Concen: 0.063 ppbv
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:130 Resp: 7121

Ion	Ratio	Lower	Upper
130	100		
95	83.2	94.2	141.4#
132	77.2	76.2	114.4
97	49.2	60.8	91.2#



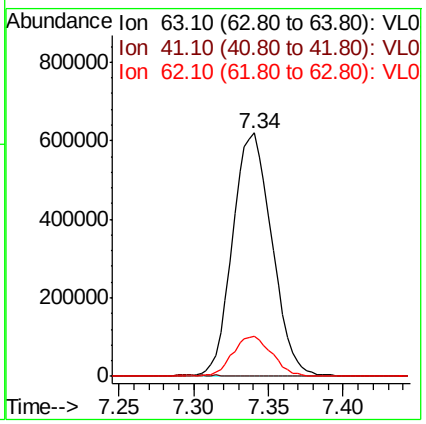


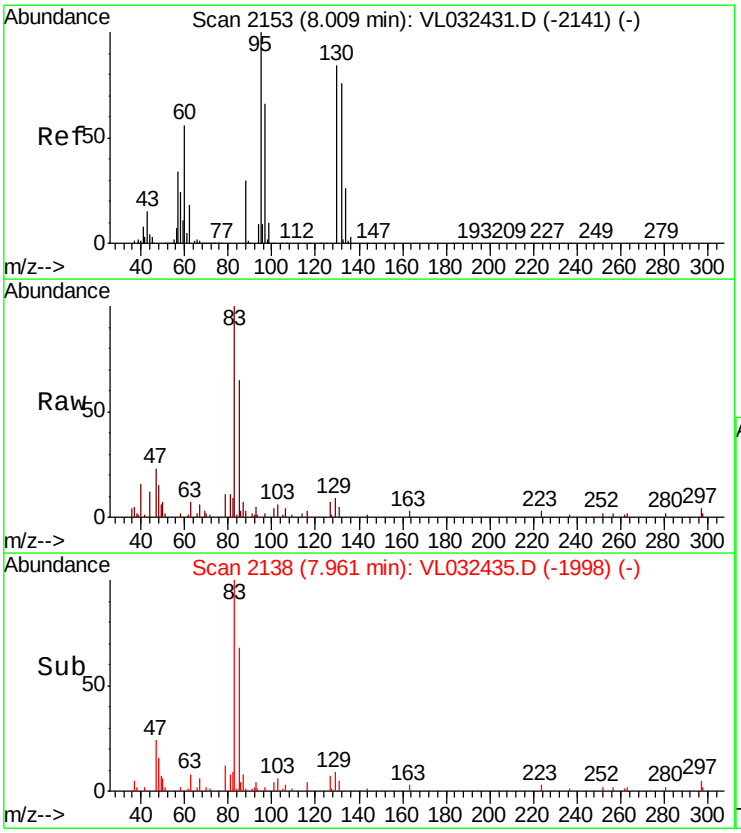
#39
1,2-Dichloropropane
Concen: 7.935 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.45 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 63 Resp: 1133615

Ion	Ratio	Lower	Upper
63	100		
41	0.1	55.4	83.0#
62	16.7	55.4	83.0#

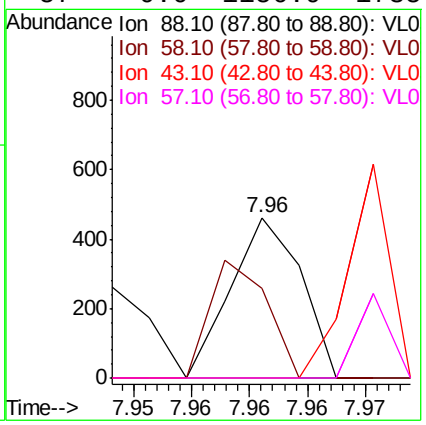


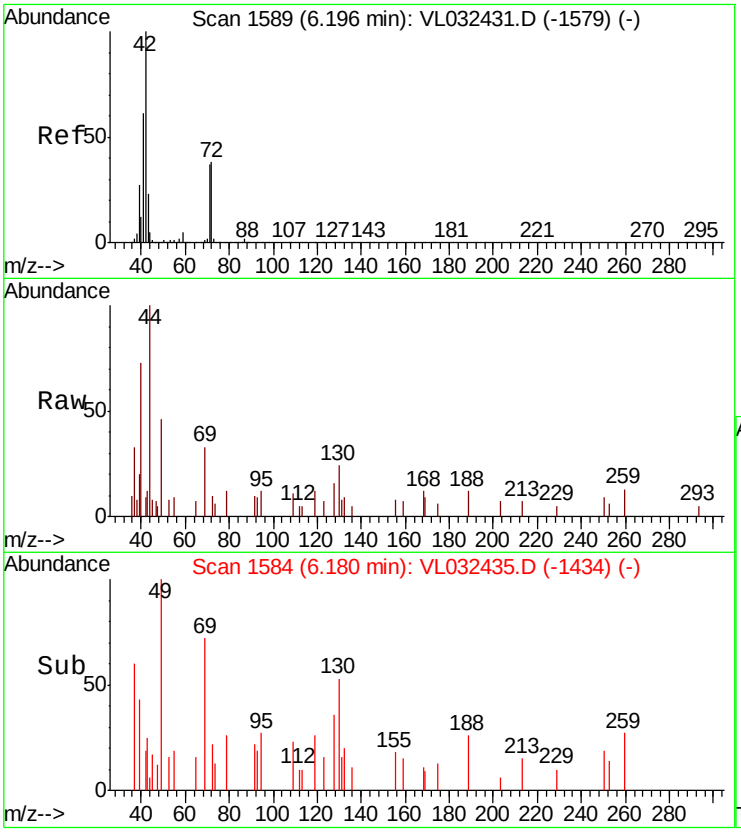


#40
1,4-Dioxane
Concen: 0.005 ppbv
RT: 7.96 min Scan# 2138
Delta R.T. -0.05 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 88 Resp: 194

Ion	Ratio	Lower	Upper
88	100		
58	83.5	119.7	179.5#
43	0.0	253.0	379.4#
57	0.0	1156.9	1735.3#



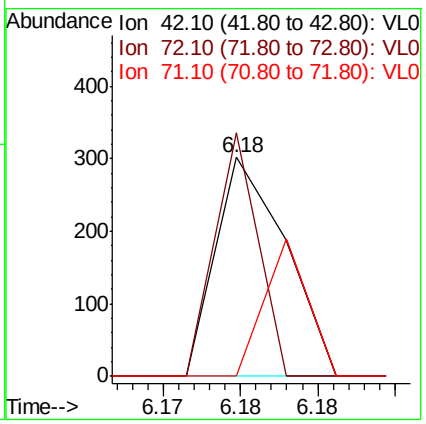


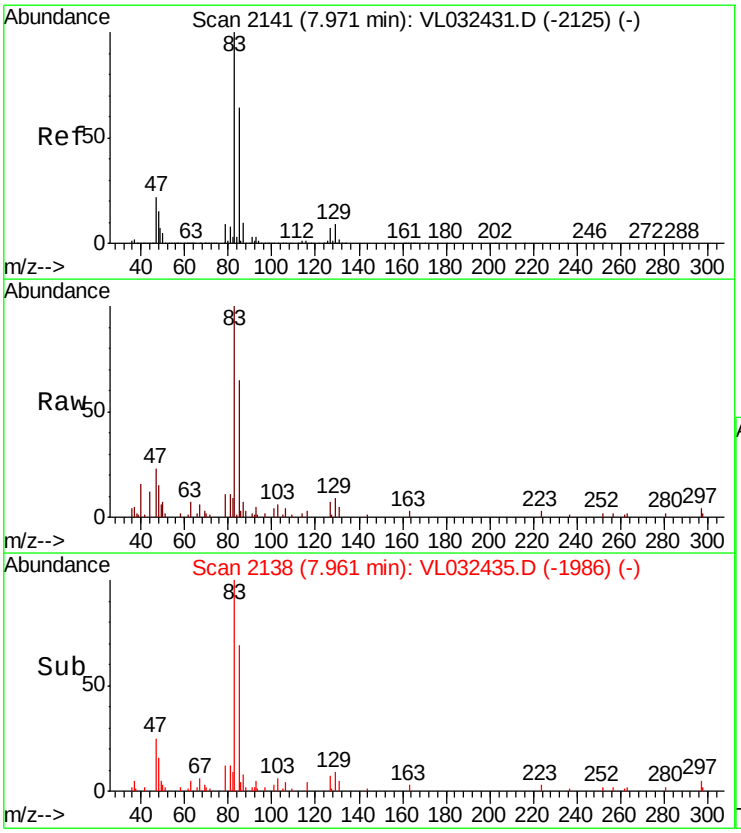
#41
Tetrahydrofuran
Concen: 0.001 ppbv
RT: 6.18 min Scan# 1584
Delta R.T. -0.02 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 42 Resp: 95

Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.5	44.3#
71	0.0	28.3	42.5#

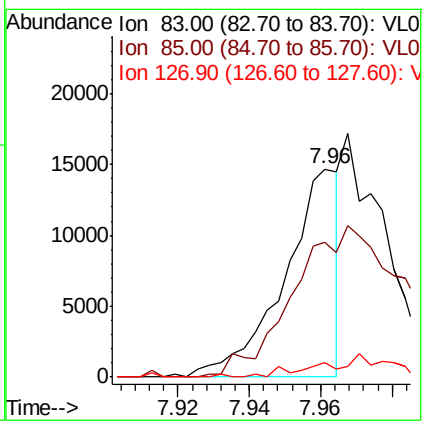


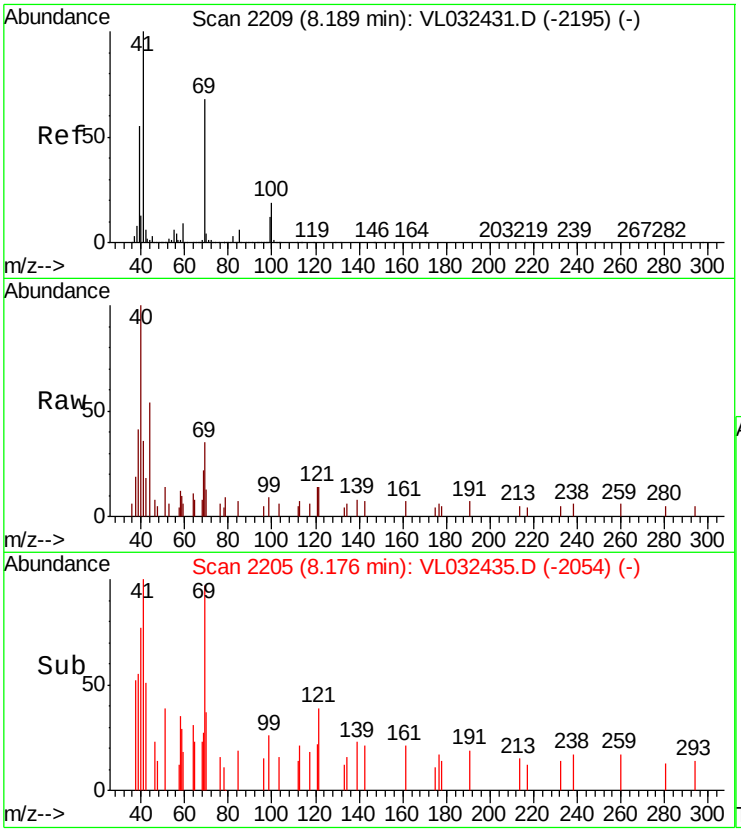


#42
Bromodichloromethane
Concen: 0.054 ppbv
RT: 7.96 min Scan# 2138
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 83 Resp: 15470

Ion	Ratio	Lower	Upper
83	100		
85	67.6	51.1	76.7
127	7.8	5.8	8.8



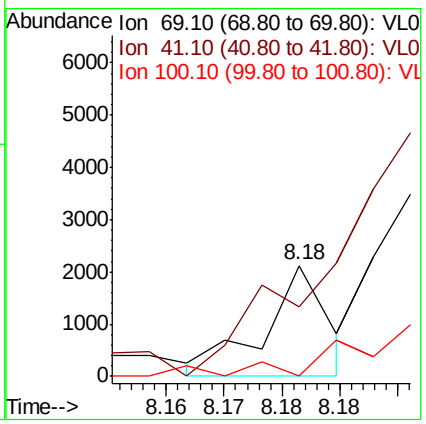


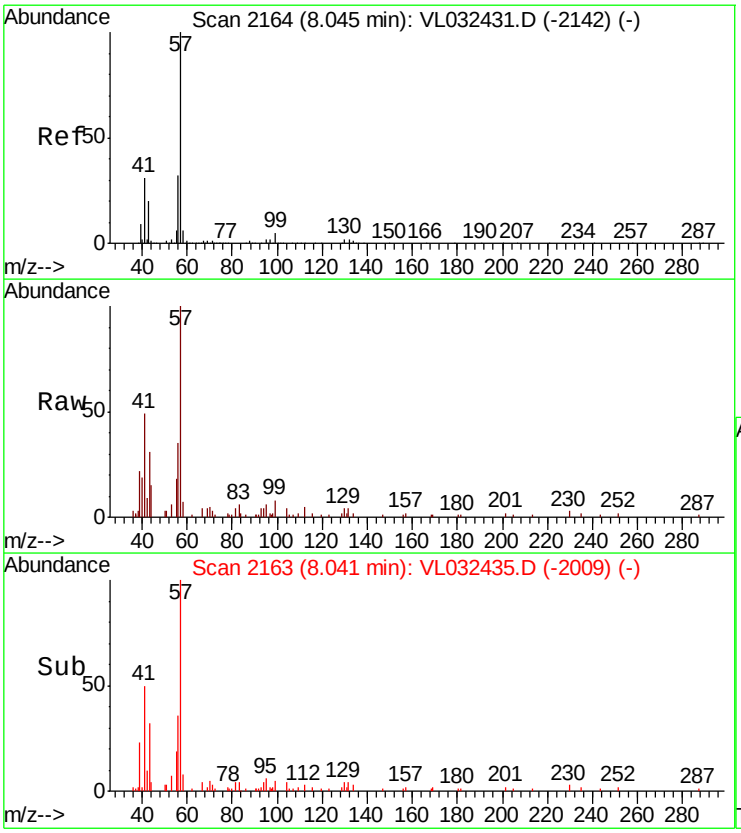
#43
Methyl Methacrylate
Concen: 0.006 ppbv
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 69 Resp: 803

Ion	Ratio	Lower	Upper
69	100		
41	0.0	117.2	175.8#
100	0.0	23.4	35.2#

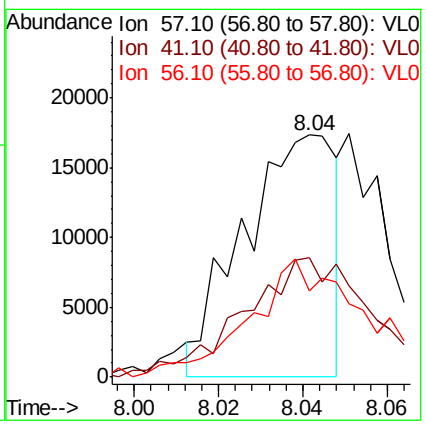


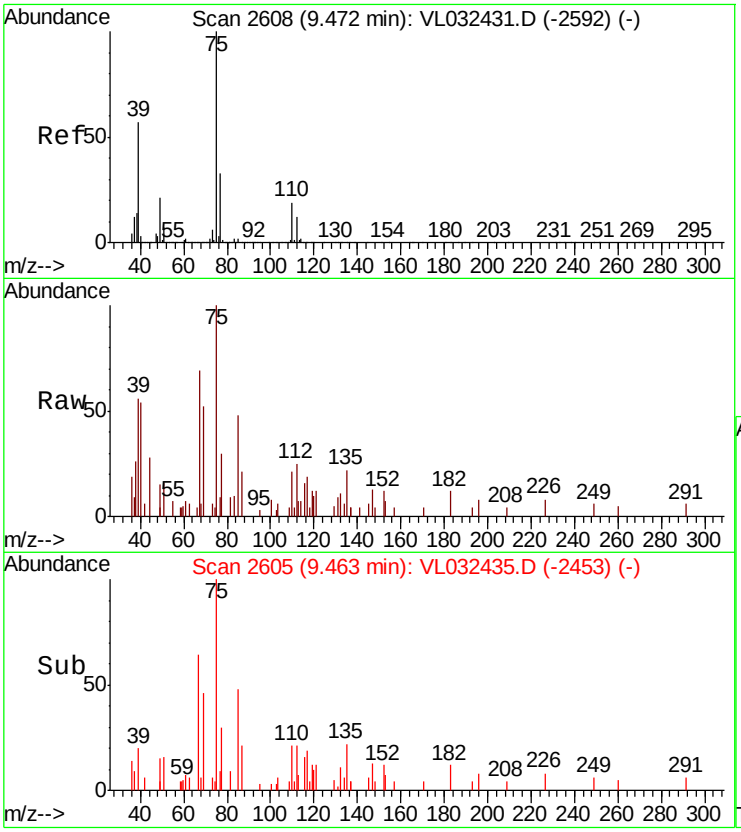


#44
2,2,4-Trimethylpentane
Concen: 0.041 ppbv
RT: 8.04 min Scan# 2163
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 57 Resp: 26314

Ion	Ratio	Lower	Upper
57	100		
41	74.5	24.3	36.5#
56	63.9	25.7	38.5#



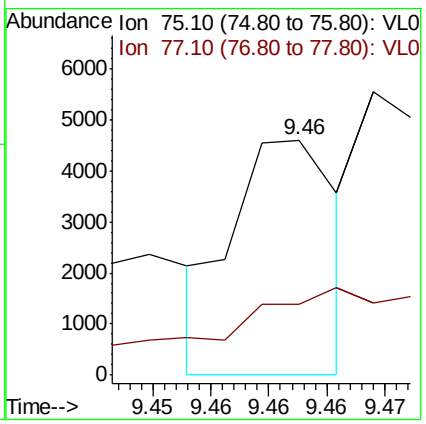


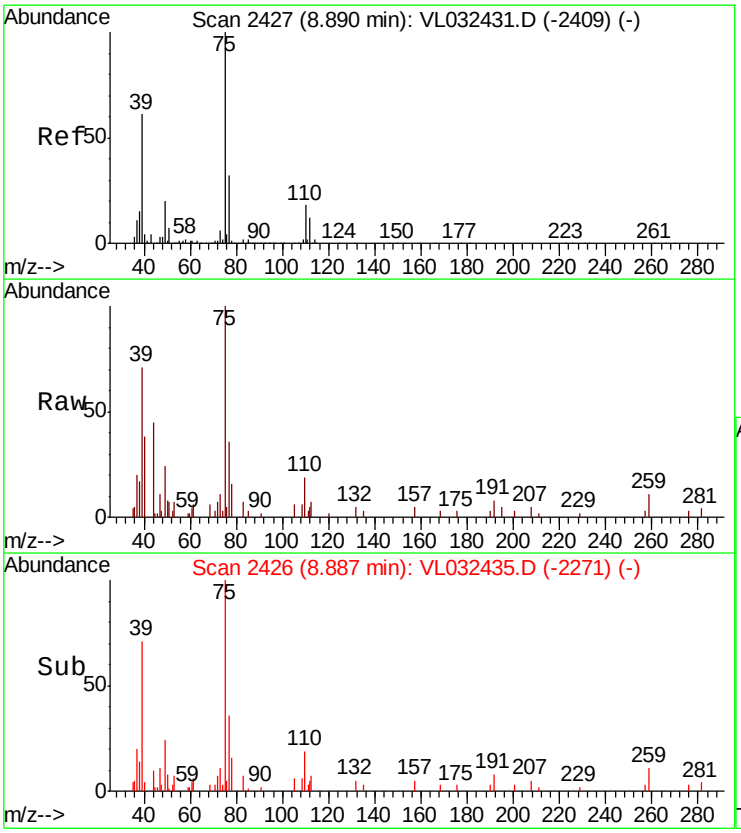
#45
t-1,3-Dichloropropene
Concen: 0.017 ppbv
RT: 9.46 min Scan# 2605
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 75 Resp: 2886

Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.2	39.2

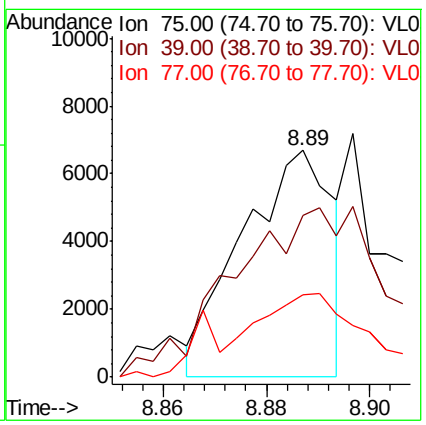


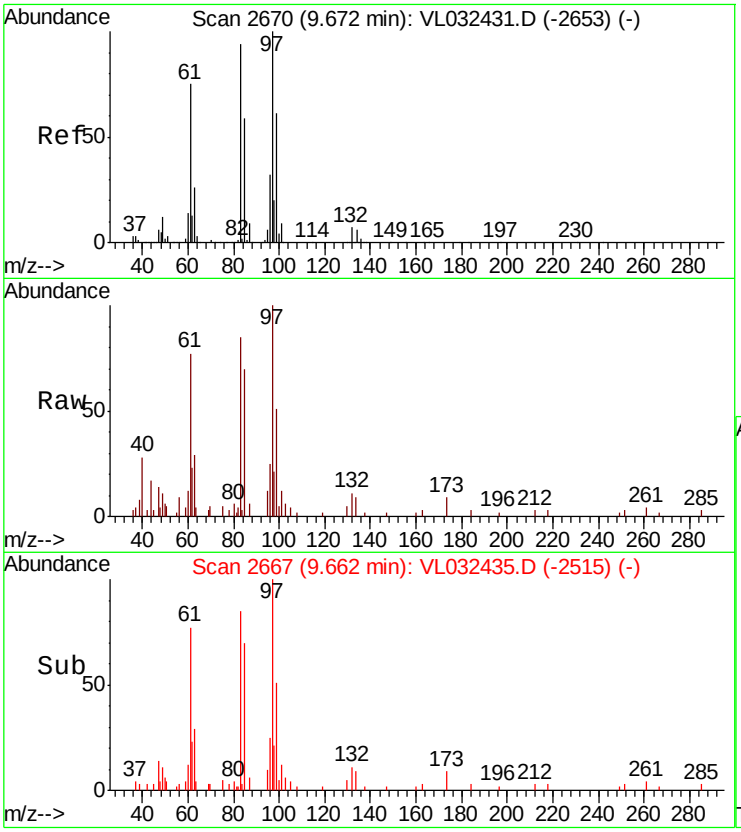


#46
cis-1,3-Dichloropropene
Concen: 0.040 ppbv
RT: 8.89 min Scan# 2426
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 75 Resp: 8136

Ion	Ratio	Lower	Upper
75	100		
39	67.5	48.9	73.3
77	28.9	25.4	38.0



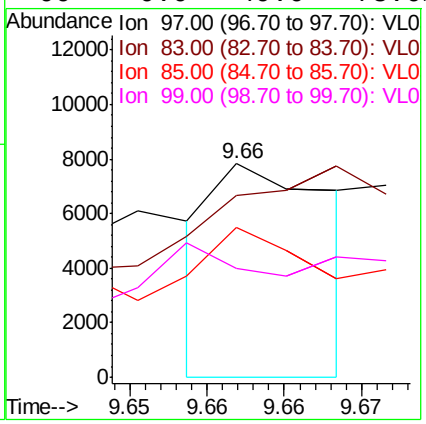


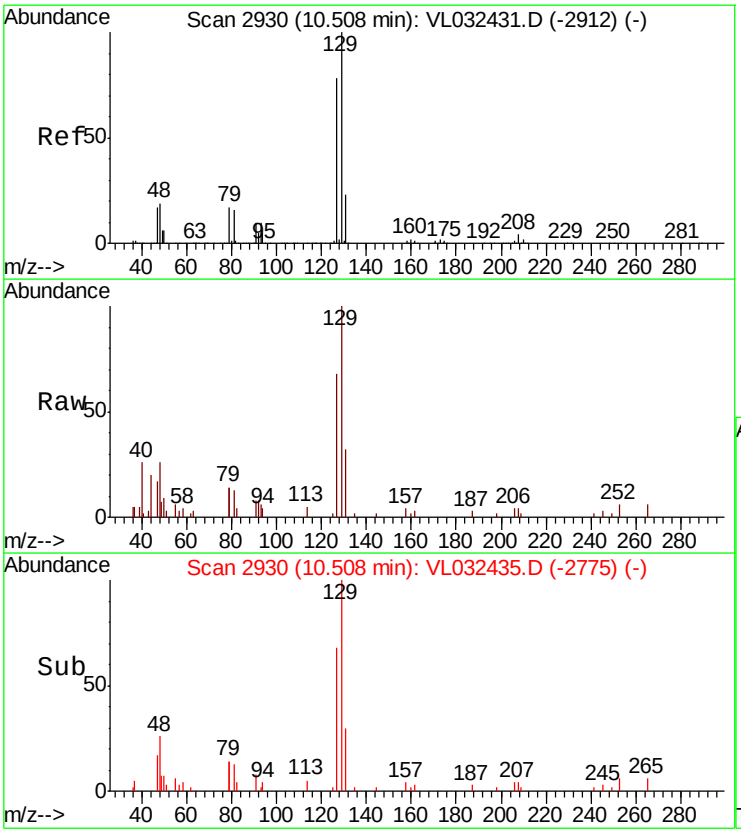
#47
1,1,2-Trichloroethane
Concen: 0.027 ppbv
RT: 9.66 min Scan# 2667
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 97 Resp: 4160

Ion	Ratio	Lower	Upper
97	100		
83	81.6	75.0	112.4
85	88.5	47.5	71.3#
99	0.0	49.0	73.6#

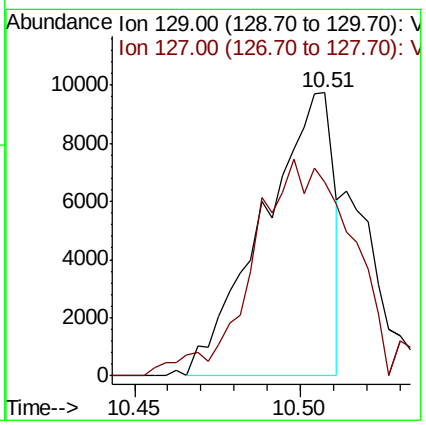


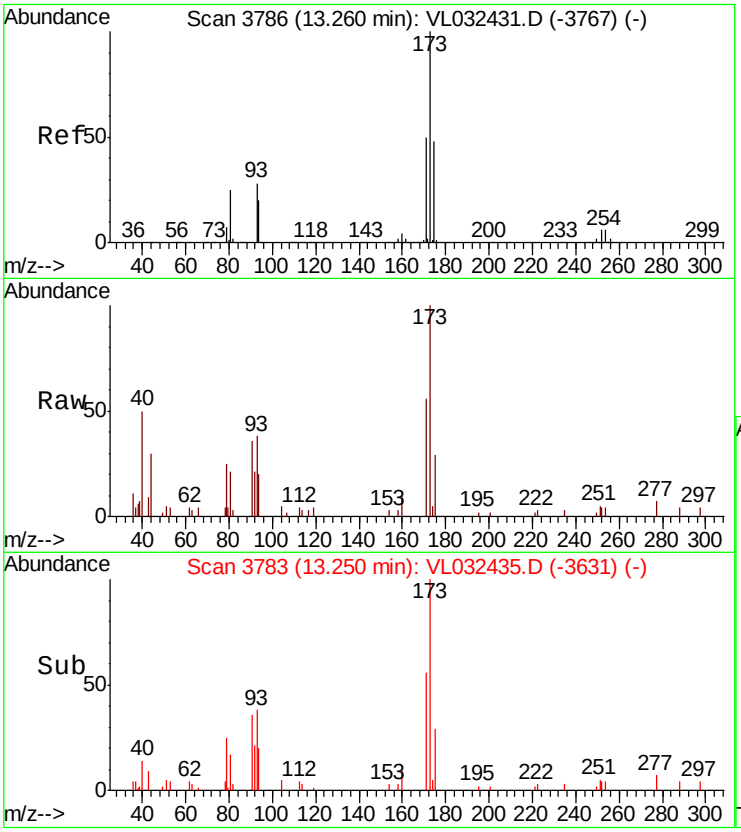


#48
Dibromochloromethane
Concen: 0.067 ppbv
RT: 10.51 min Scan# 2930
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:129 Resp: 14413

Ion	Ratio	Lower	Upper
129	100		
127	109.8	39.5	118.3



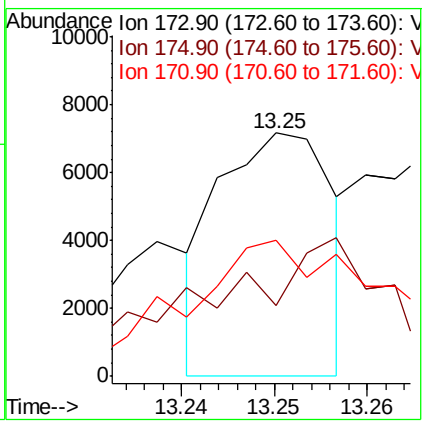


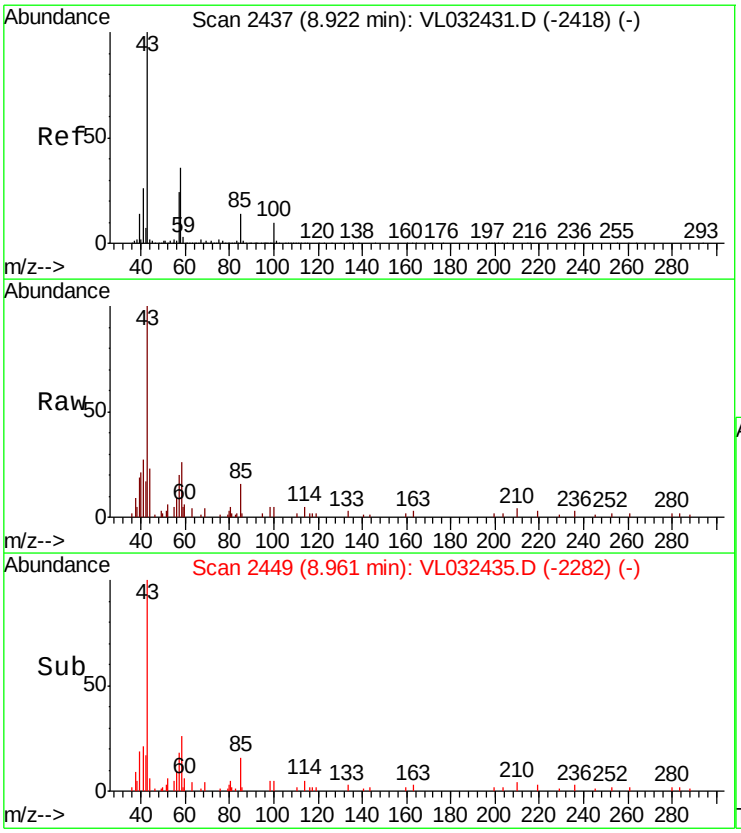
#49
Bromoform
Concen: 0.032 ppbv
RT: 13.25 min Scan# 3783
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:173 Resp: 6079

Ion	Ratio	Lower	Upper
173	100		
175	120.5	38.9	58.3#
171	134.1	41.6	62.4#

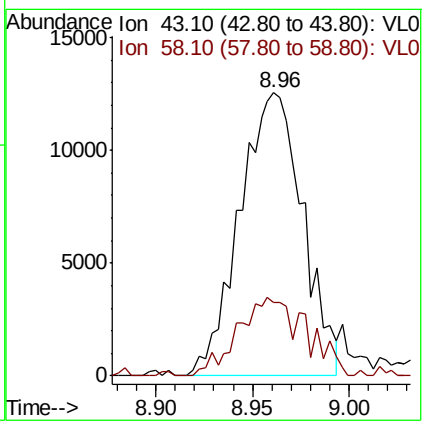


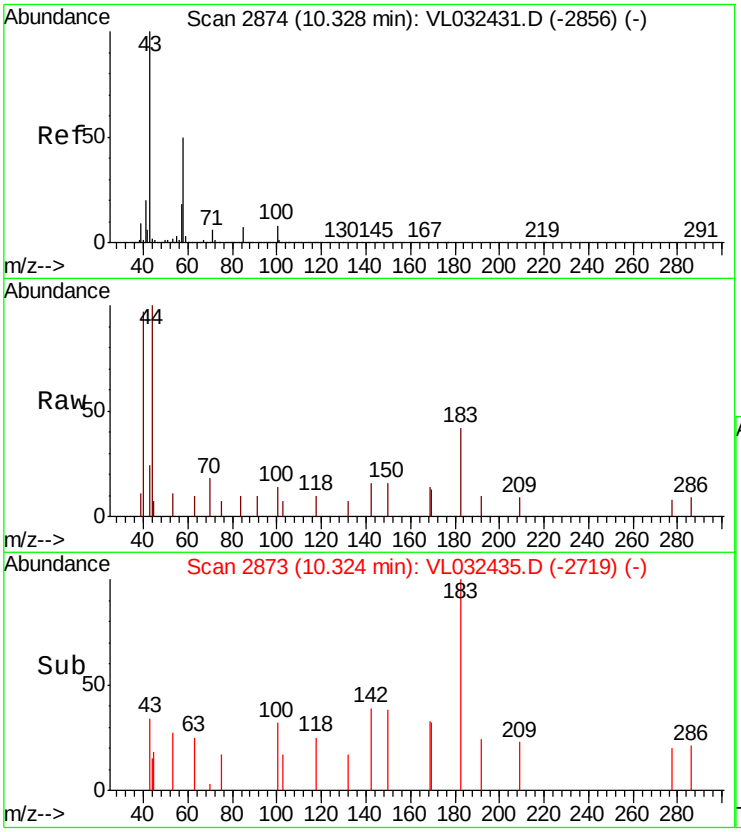


#50
4-Methyl-2-Pentanone
Concen: 0.070 ppbv
RT: 8.96 min Scan# 2449
Delta R.T. 0.04 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 43 Resp: 28516

Ion	Ratio	Lower	Upper
43	100		
58	30.3	28.9	43.3



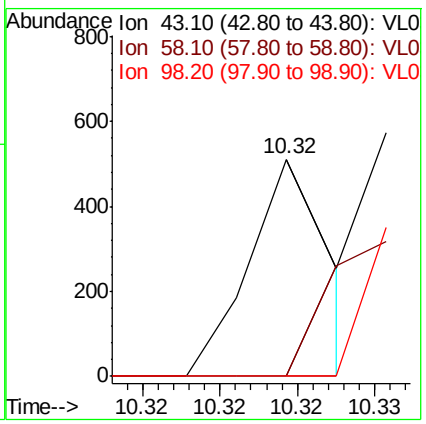


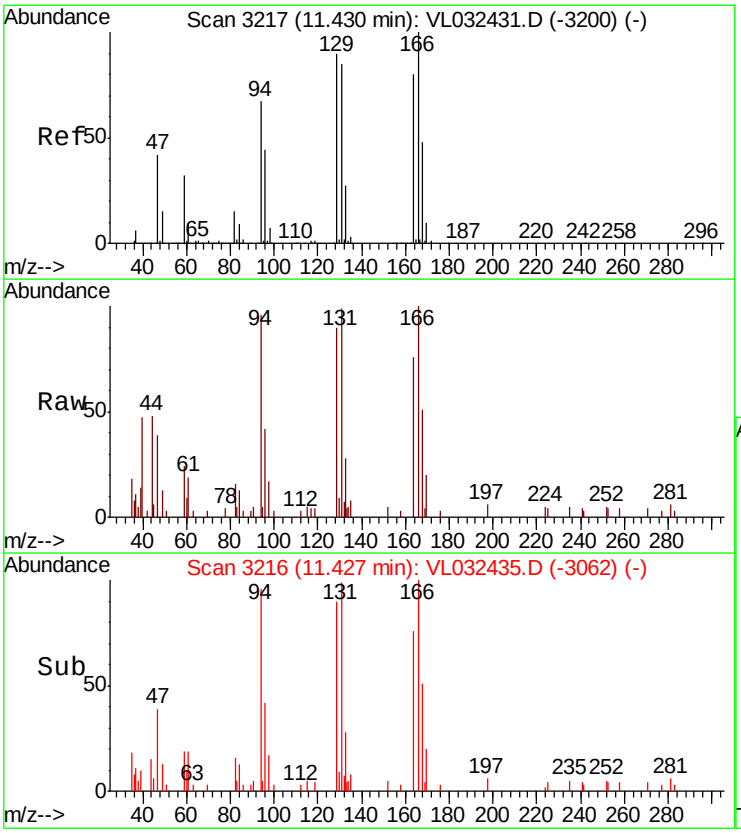
#51
2-Hexanone
Concen: 0.001 ppbv
RT: 10.32 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 43 Resp: 183

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.2	58.8#
98	36.6	0.4	0.6#

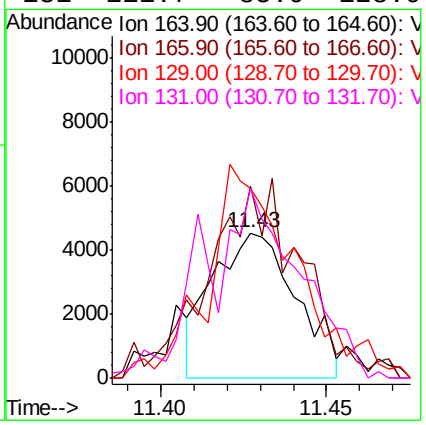


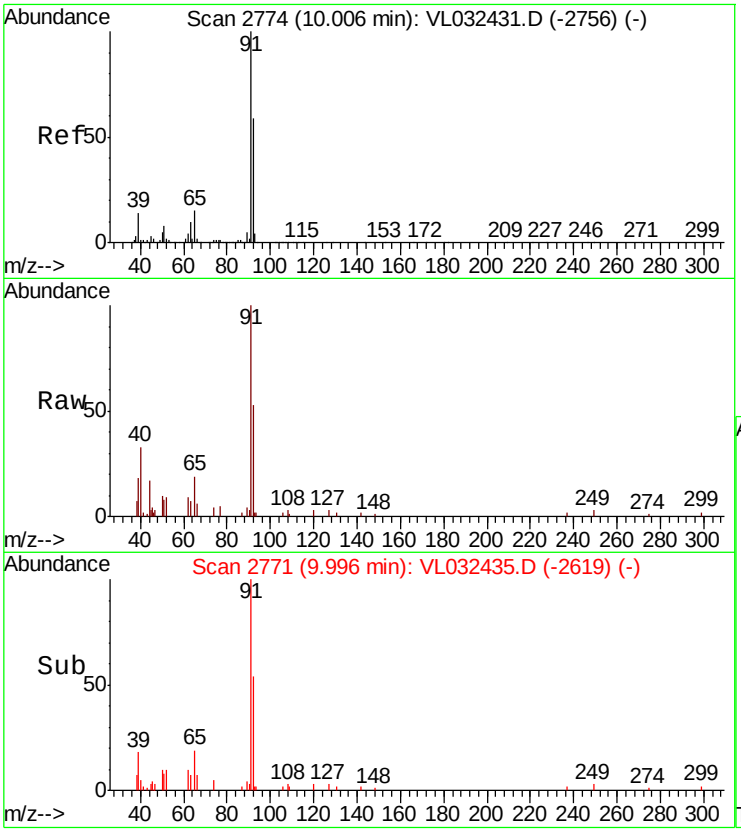


#52
Tetrachloroethene
Concen: 0.082 ppbv
RT: 11.43 min Scan# 3216
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:164 Resp: 7970

Ion	Ratio	Lower	Upper
164	100		
166	134.5	100.6	150.8
129	111.9	89.9	134.9
131	111.7	85.9	128.9



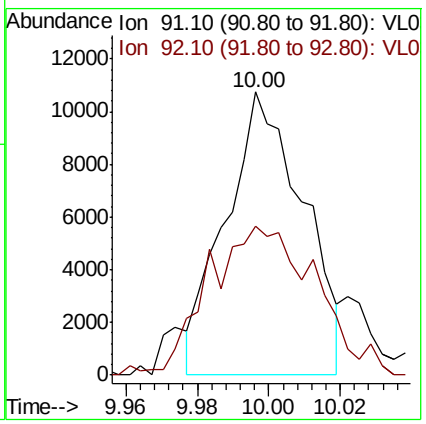


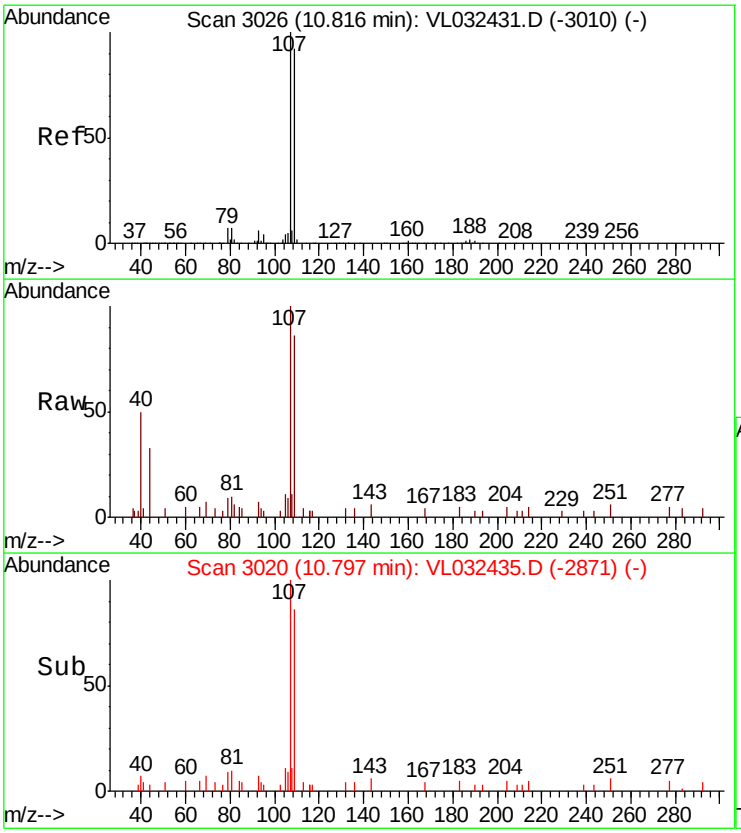
#53
Toluene
Concen: 0.045 ppbv
RT: 10.00 min Scan# 2771
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 91 Resp: 16208

Ion	Ratio	Lower	Upper
91	100		
92	73.7	48.1	72.1#

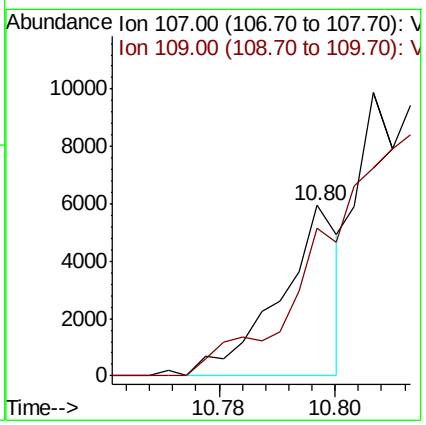


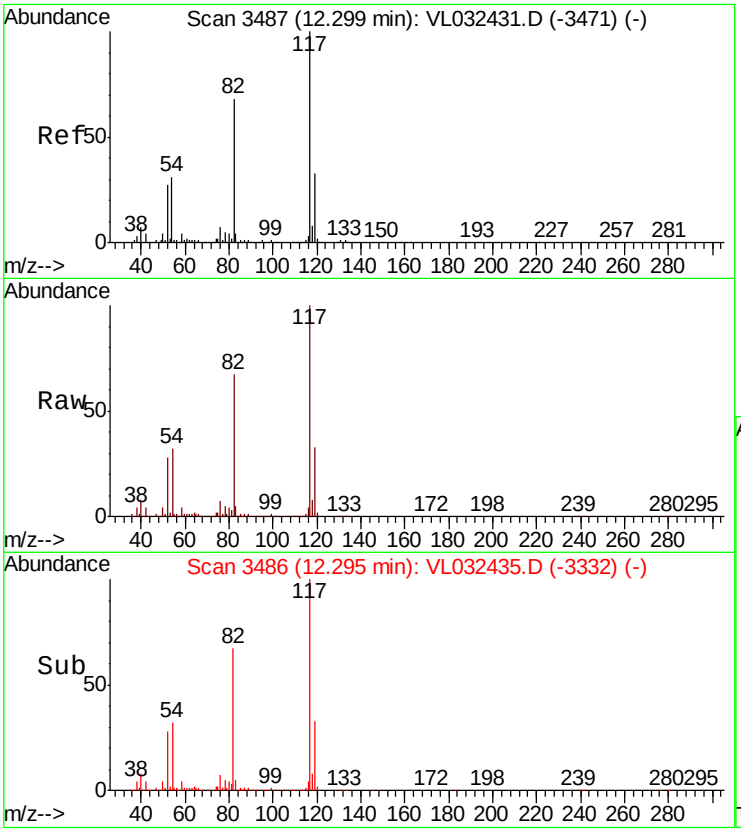


#54
1,2-Dibromoethane
Concen: 0.019 ppbv
RT: 10.80 min Scan# 3020
Delta R.T. -0.02 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:107 Resp: 4207

Ion	Ratio	Lower	Upper
107	100		
109	86.2	73.9	110.9



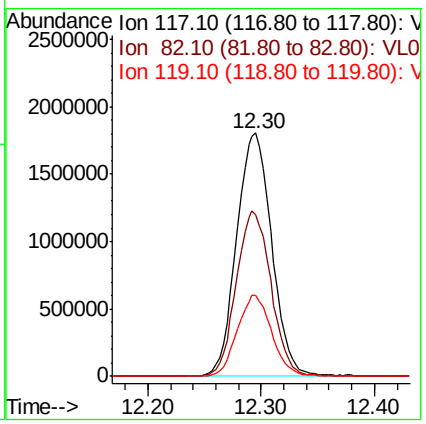


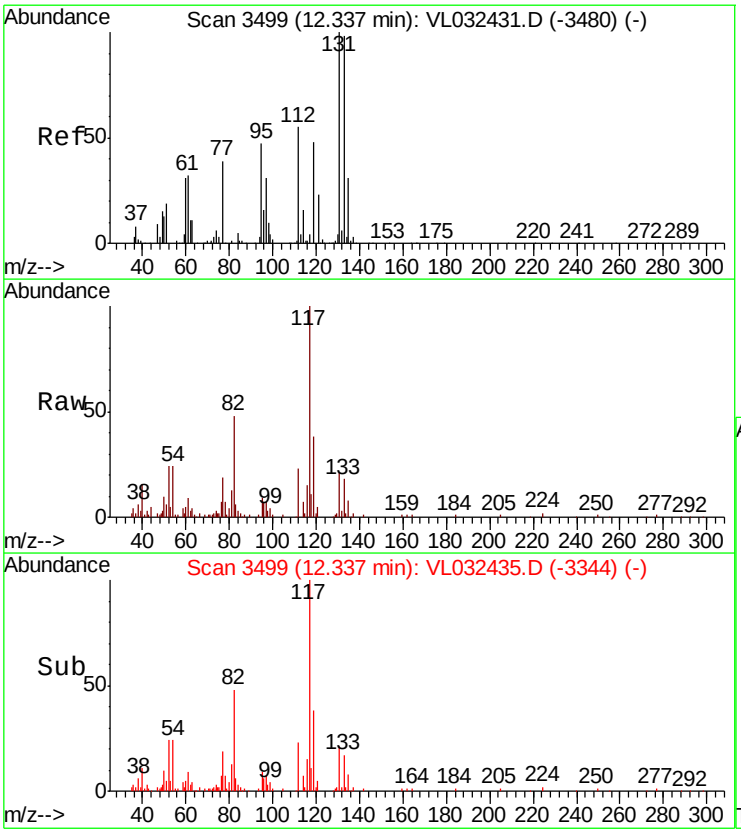
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.30 min Scan# 3486
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 3908042

Ion	Ratio	Lower	Upper
117	100		
82	67.3	51.5	77.3
119	32.7	44.6	66.8#

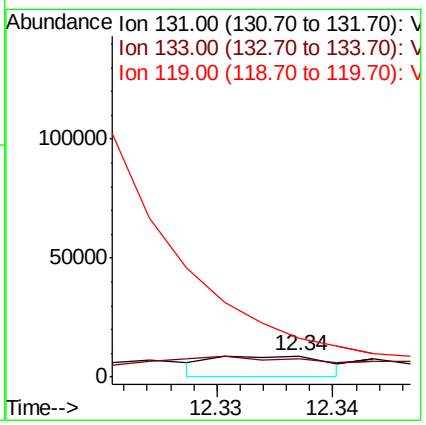


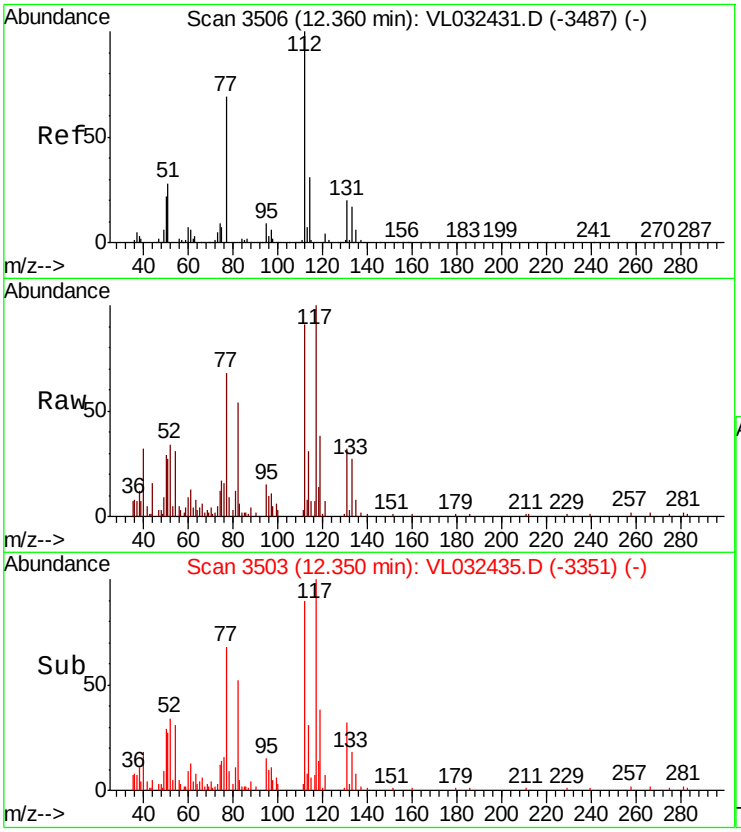


#56
1,1,1,2-Tetrachloroethane
Concen: 0.037 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:131 Resp: 6156

Ion	Ratio	Lower	Upper
131	100		
133	306.4	77.0	115.4#
119	0.0	48.9	73.3#



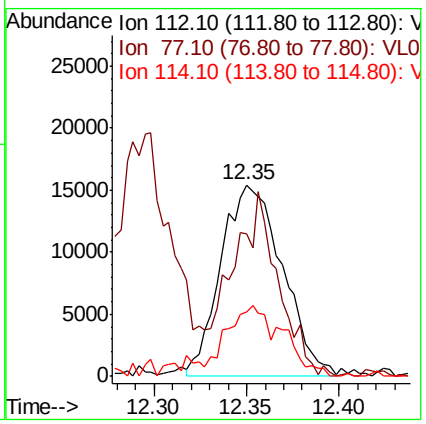


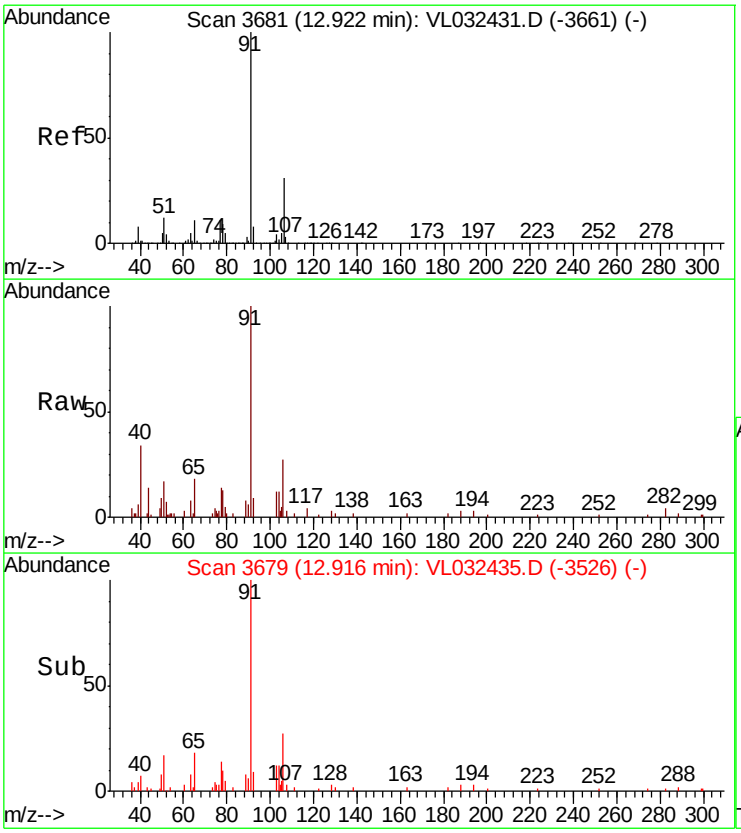
#57
Chlorobenzene
Concen: 0.119 ppbv
RT: 12.35 min Scan# 3503
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:112 Resp: 35540

Ion	Ratio	Lower	Upper
112	100		
77	75.4	56.1	84.1
114	33.9	27.8	34.0

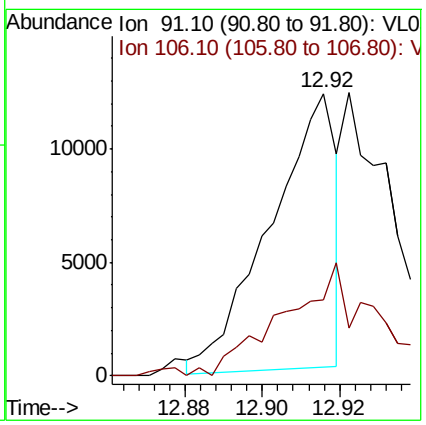


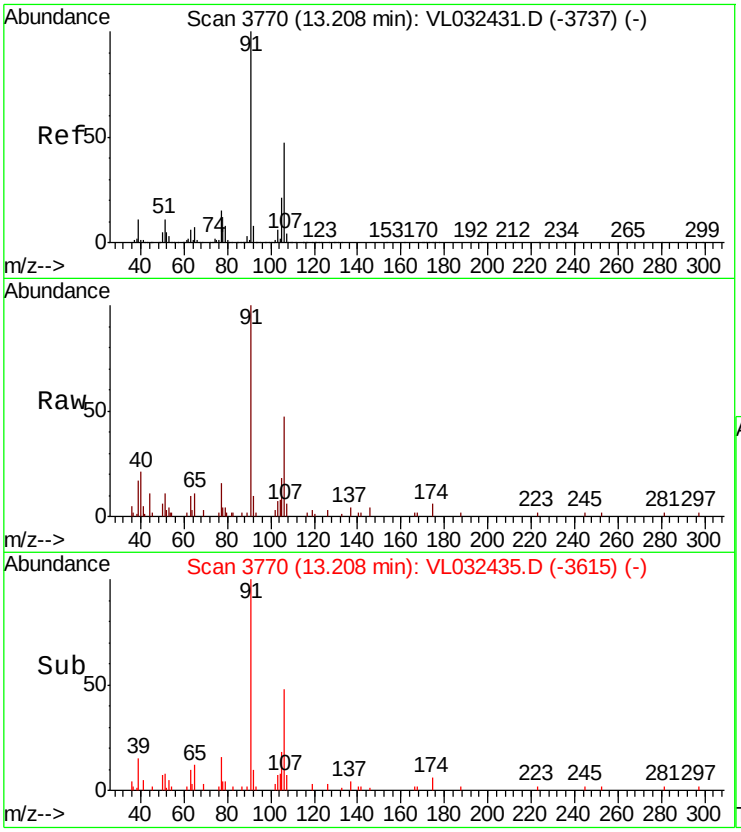


#58
Ethyl Benzene
Concen: 0.032 ppbv
RT: 12.92 min Scan# 3679
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 91 Resp: 14299

Ion	Ratio	Lower	Upper
91	100		
106	28.5	24.8	37.2



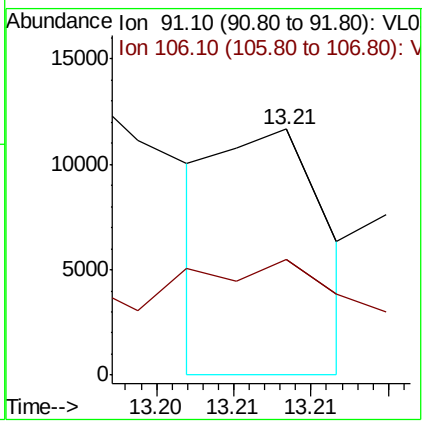


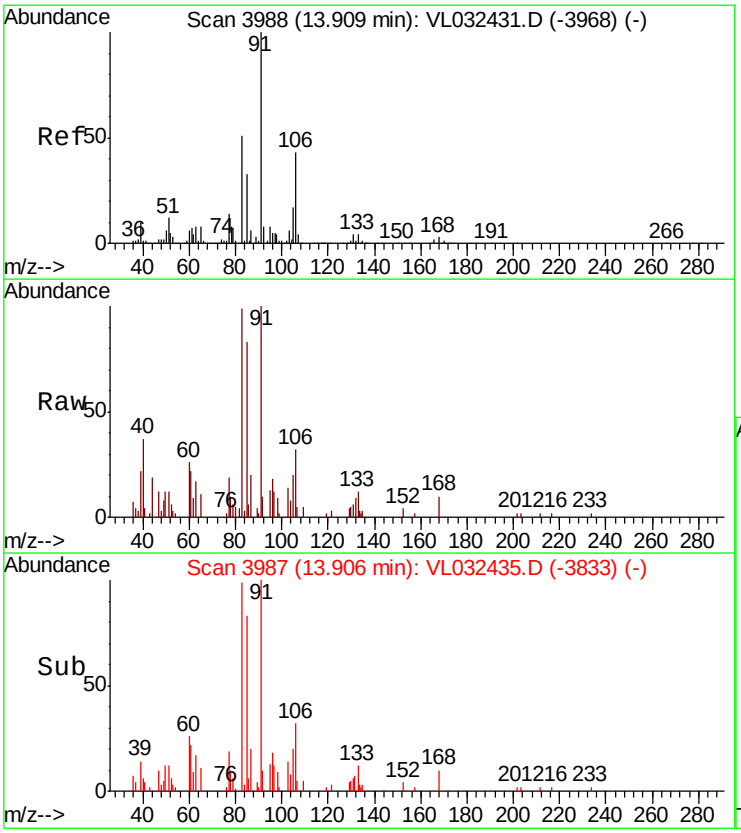
#59
m/p-Xylene
Concen: 0.014 ppbv
RT: 13.21 min Scan# 3770
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 91 Resp: 5565

Ion	Ratio	Lower	Upper
91	100		
106	355.8	35.0	52.6#

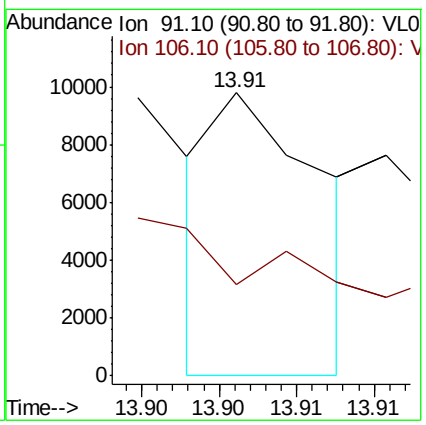


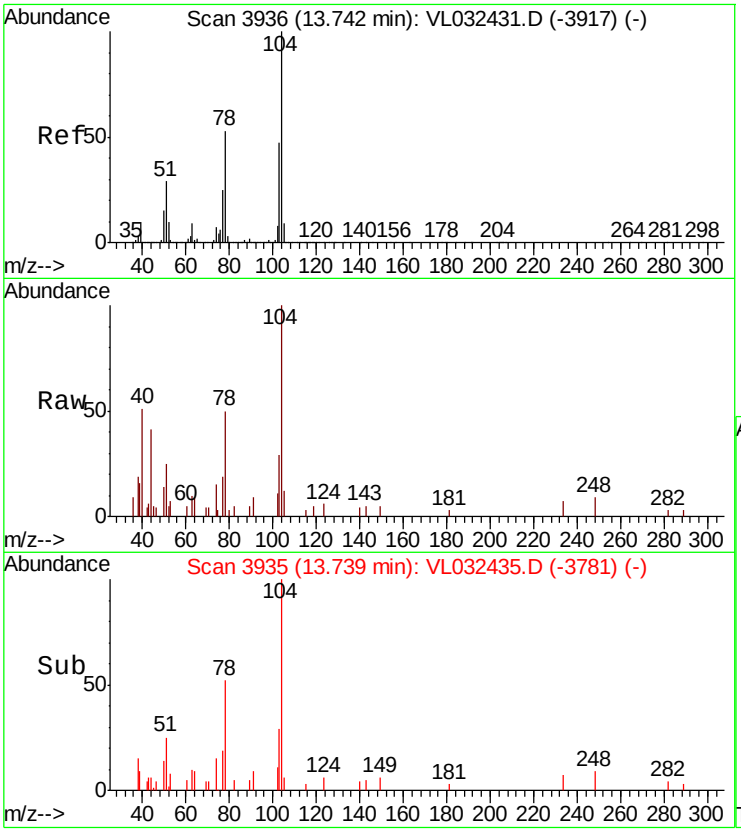


#60
o-Xylene
Concen: 0.012 ppbv
RT: 13.91 min Scan# 3987
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 91 Resp: 4680

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.7#



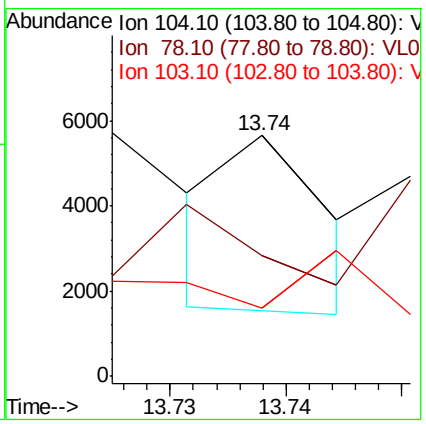


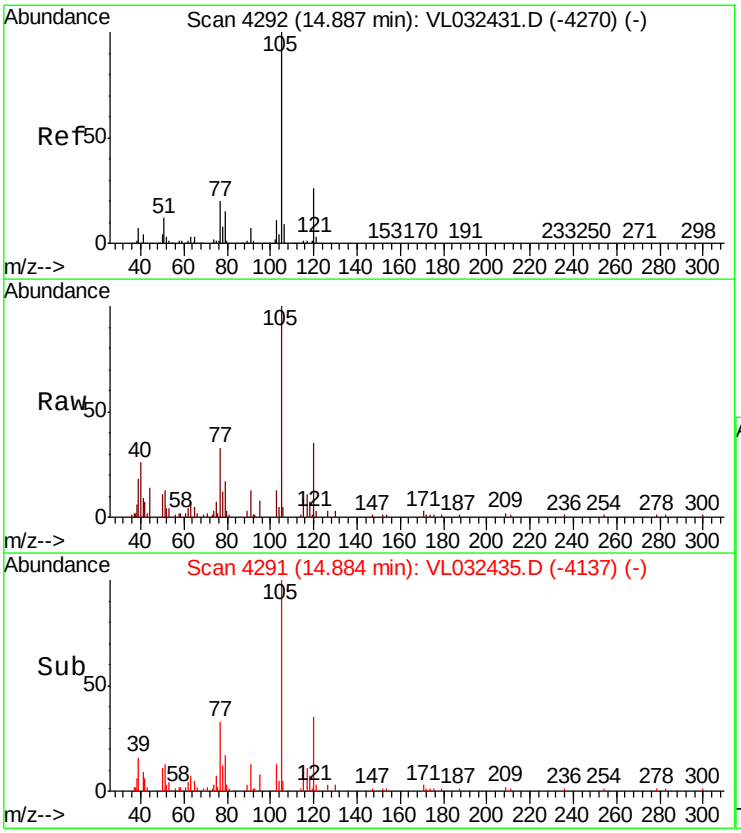
#61
Styrene
Concen: 0.005 ppbv
RT: 13.74 min Scan# 3935
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:104 Resp: 1200

Ion	Ratio	Lower	Upper
104	100		
78	0.0	41.8	62.8#
103	0.0	38.0	57.0#

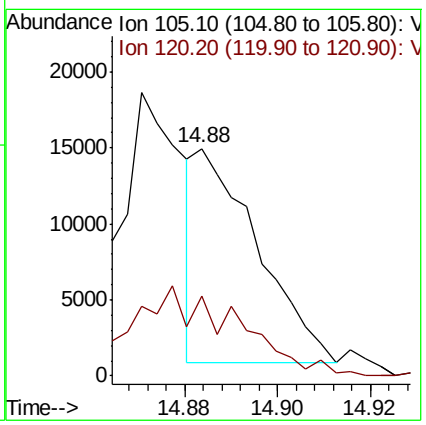


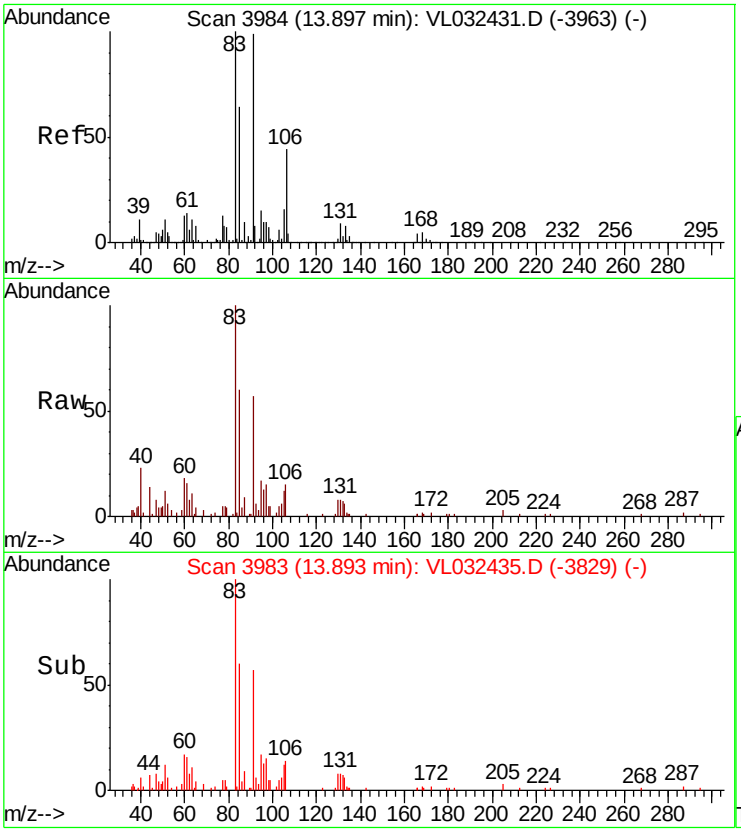


#62
Isopropylbenzene
Concen: 0.024 ppbv
RT: 14.88 min Scan# 4291
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:105 Resp: 12992

Ion	Ratio	Lower	Upper
105	100		
120	77.9	20.6	31.0#



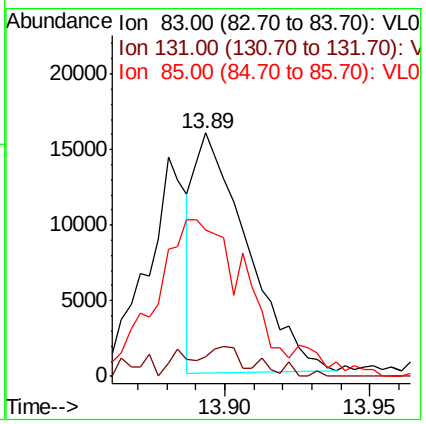


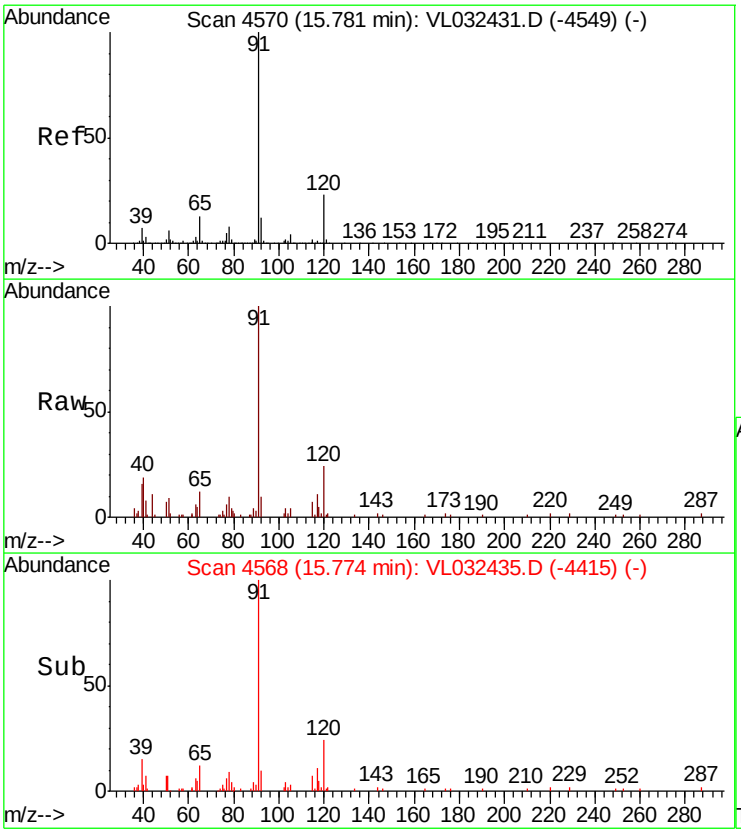
#63
1,1,2,2-Tetrachloroethane
Concen: 0.061 ppbv
RT: 13.89 min Scan# 3983
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 83 Resp: 20255

Ion	Ratio	Lower	Upper
83	100		
131	19.0	4.3	12.8#
85	118.0	32.3	96.8#

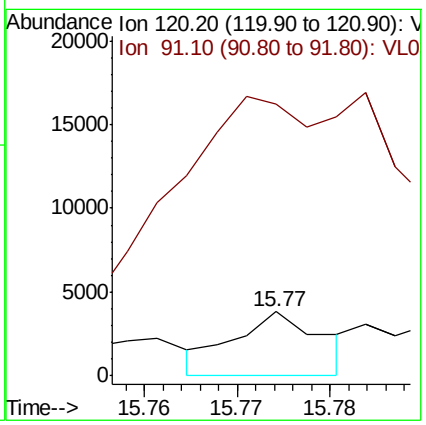


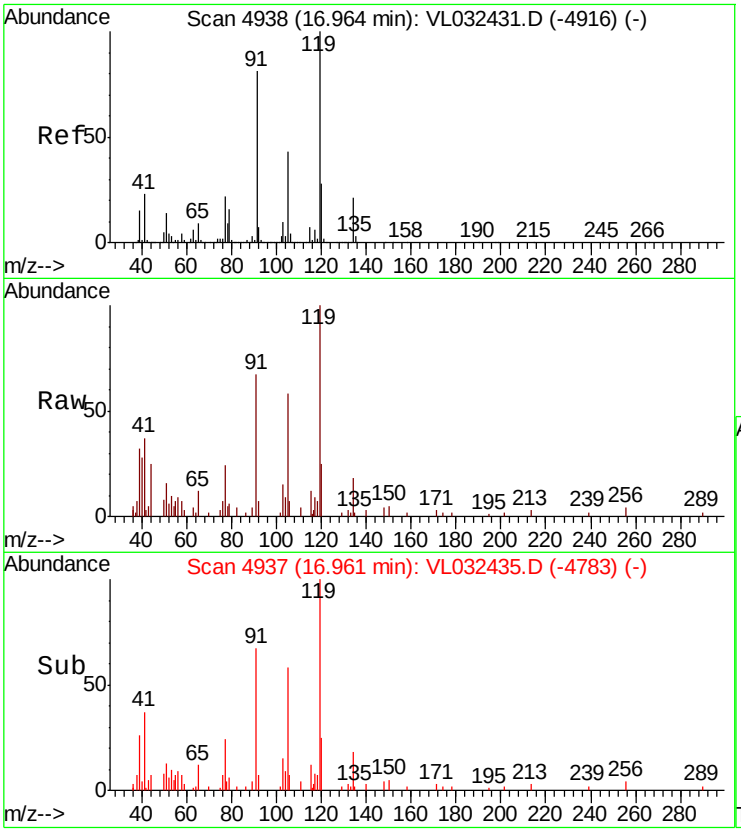


#64
n-propylbenzene
Concen: 0.018 ppbv
RT: 15.77 min Scan# 4568
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:120 Resp: 2526

Ion	Ratio	Lower	Upper
120	100		
91	0.0	381.8	572.6#



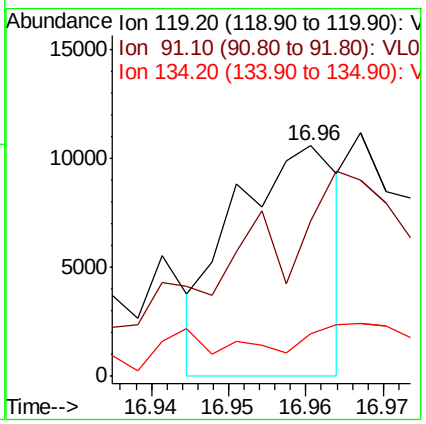


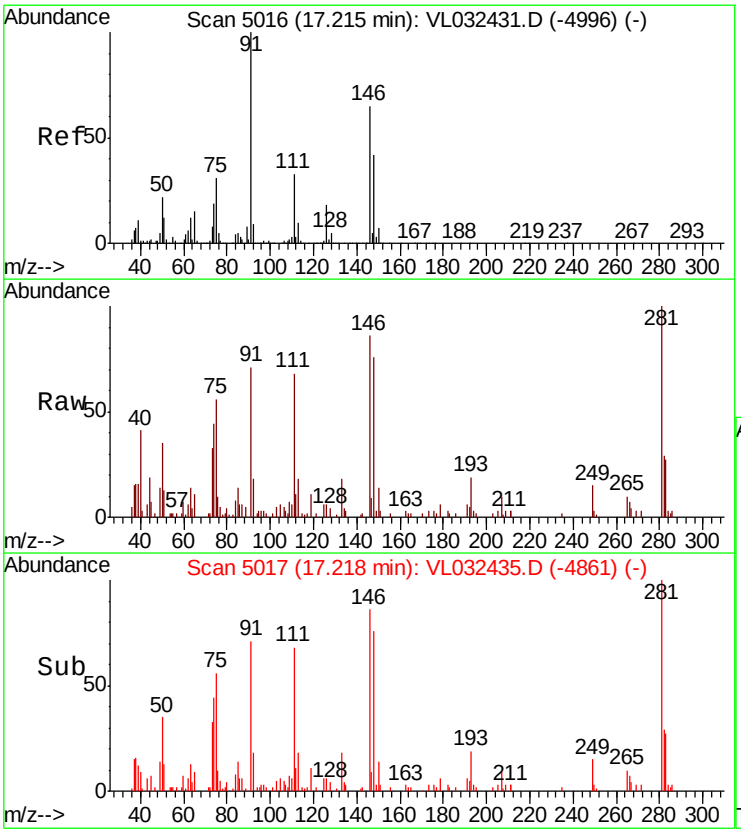
#65
tert-Butylbenzene
Concen: 0.021 ppbv
RT: 16.96 min Scan# 4937
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion:119 Resp: 9954

Ion	Ratio	Lower	Upper
119	100		
91	0.0	66.5	99.7#
134	0.0	16.0	24.0#

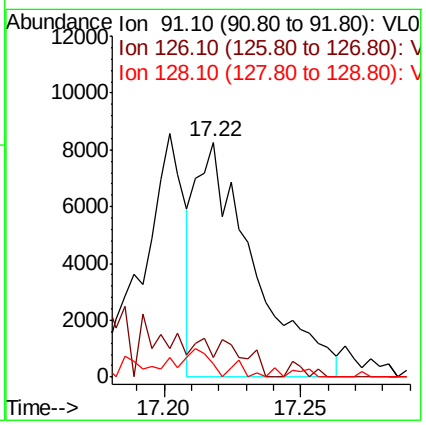


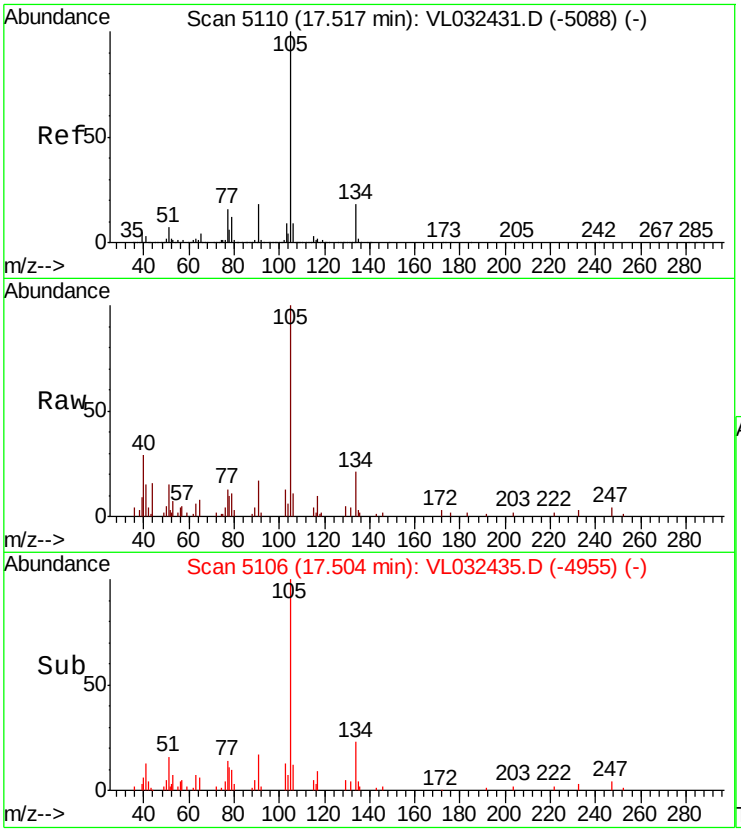


#66
Benzyl Chloride
Concen: 0.042 ppbv
RT: 17.22 min Scan# 5017
Delta R.T. 0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 91 Resp: 12211

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.8	20.8#
128	11.3	4.4	6.6#



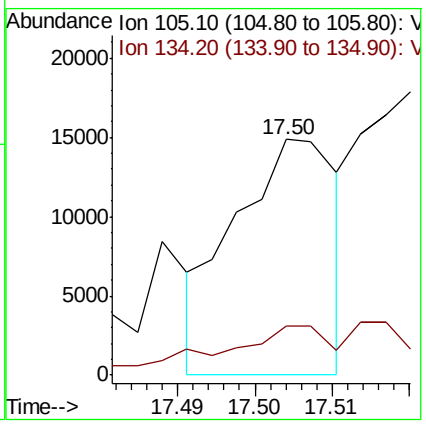


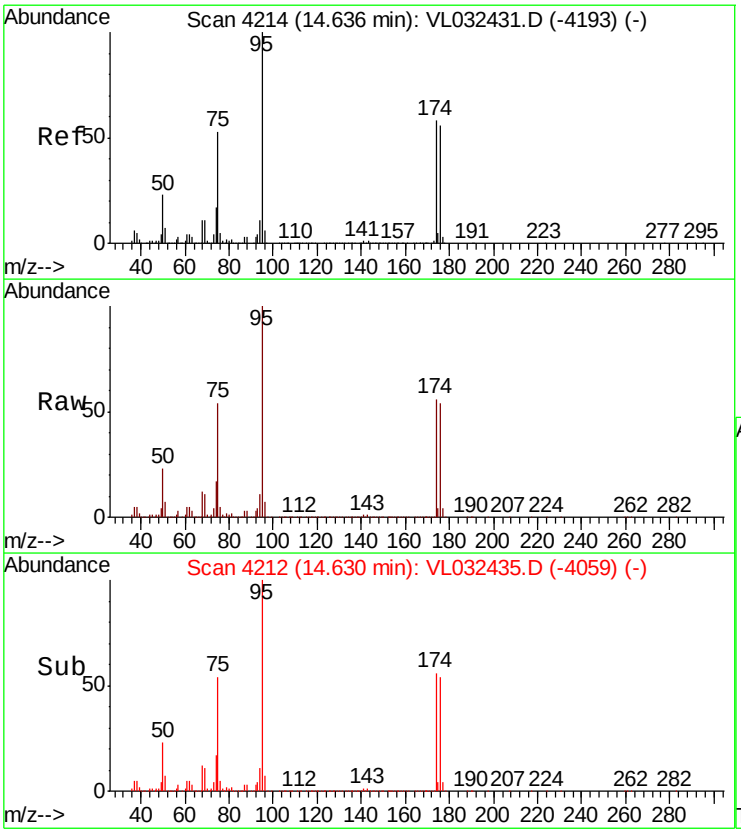
#67
sec-Butylbenzene
Concen: 0.020 ppbv
RT: 17.50 min Scan# 5106
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 13714

Ion	Ratio	Lower	Upper
105	100		
134	0.0	14.4	21.6#

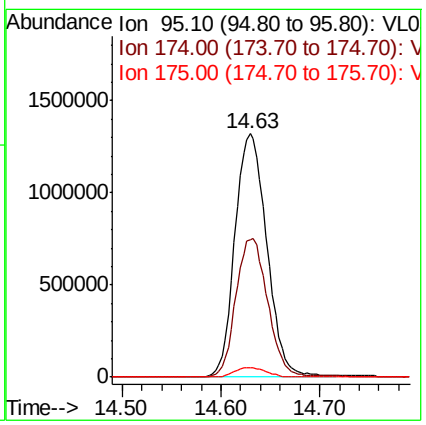


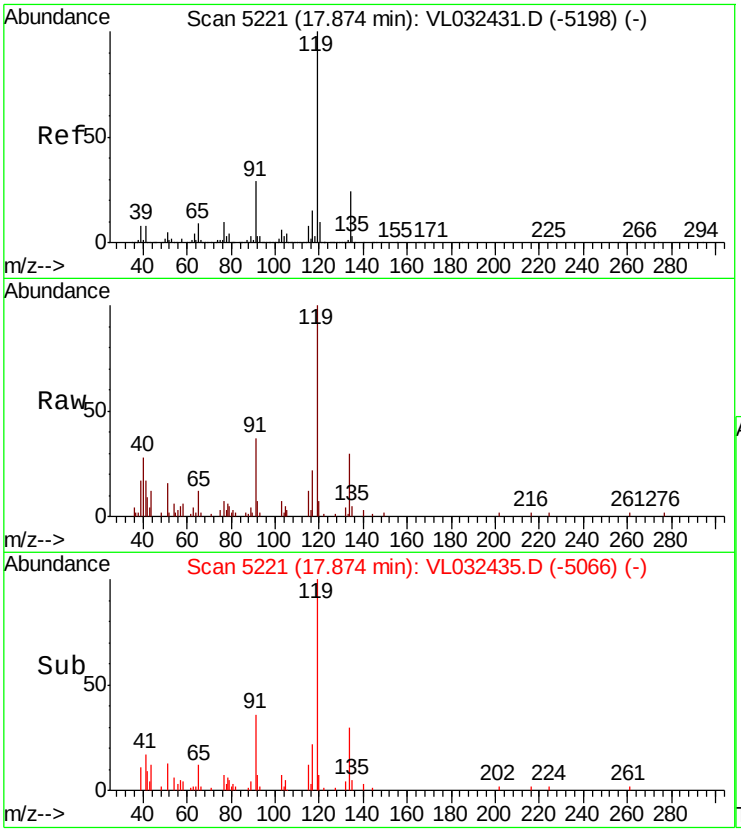


#68
1-Bromo-4-Fluorobenzene
Concen: 10.174 ppbv
RT: 14.63 min Scan# 4212
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 95 Resp: 2963442

Ion	Ratio	Lower	Upper
95	100		
174	57.6	46.3	69.5
175	4.1	3.4	5.0



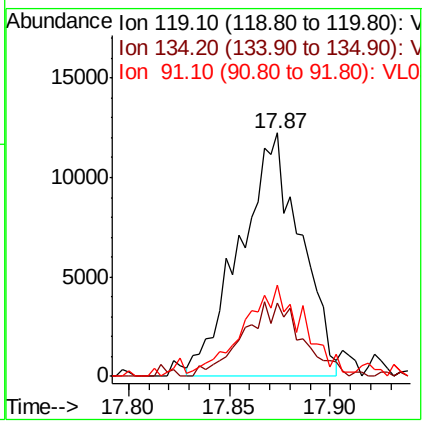


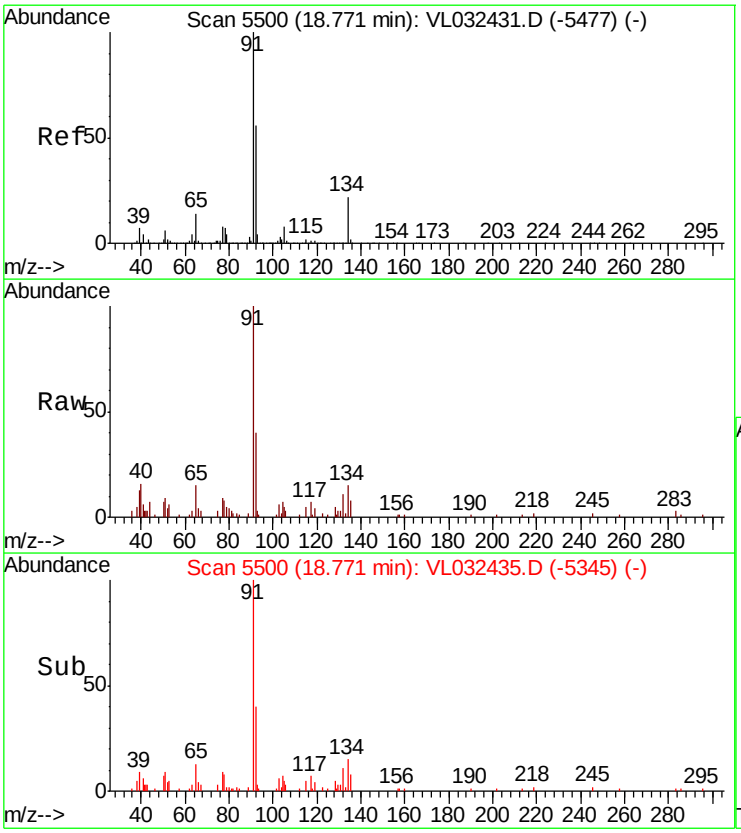
#69
p-Isopropyltoluene
Concen: 0.048 ppbv
RT: 17.87 min Scan# 5221
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion:119 Resp: 25493

Ion	Ratio	Lower	Upper
119	100		
134	30.8	20.4	30.6#
91	41.3	23.4	35.0#

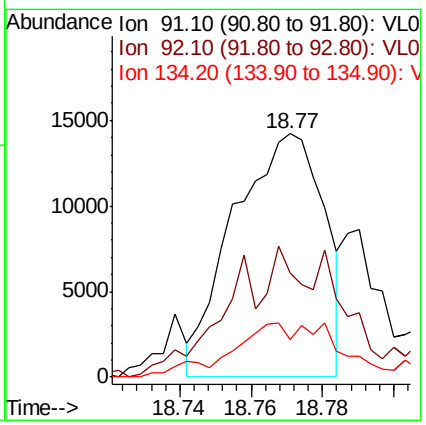


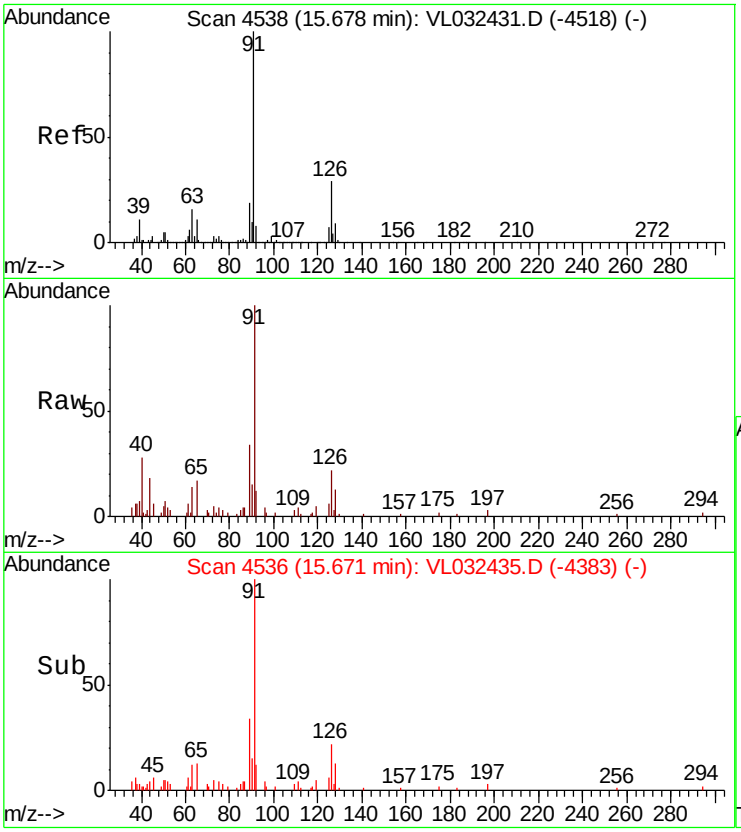


#70
n-Butylbenzene
Concen: 0.043 ppbv
RT: 18.77 min Scan# 5500
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion: 91 Resp: 24946

Ion	Ratio	Lower	Upper
91	100		
92	67.6	43.8	65.8#
134	0.0	17.4	26.0#



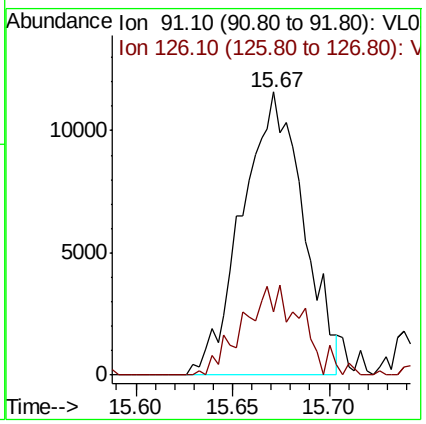


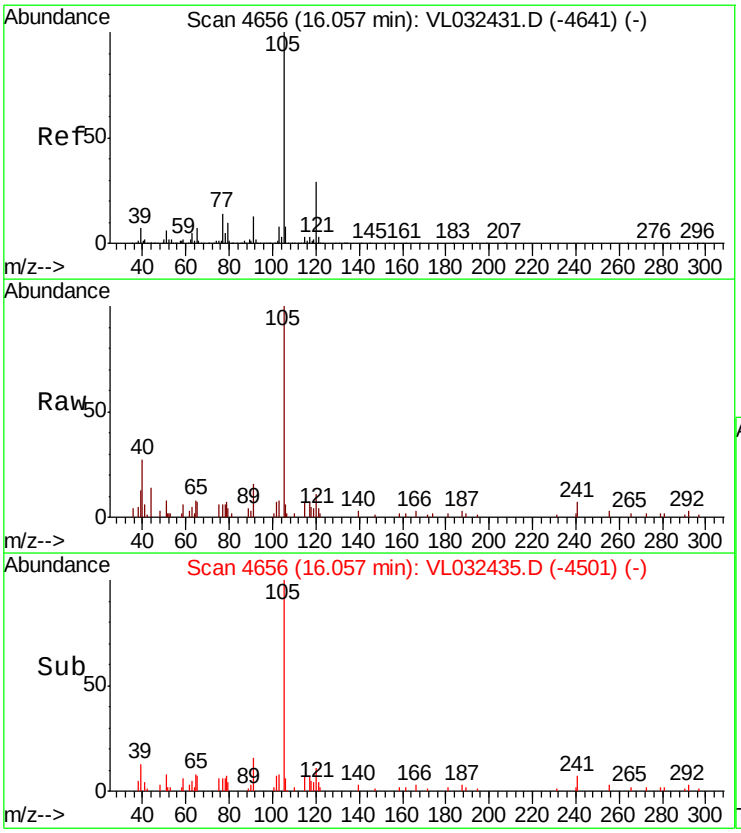
#71
2-Chlorotoluene
Concen: 0.061 ppbv
RT: 15.67 min Scan# 4536
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 91 Resp: 25321

Ion	Ratio	Lower	Upper
91	100		
126	30.7	11.9	47.7

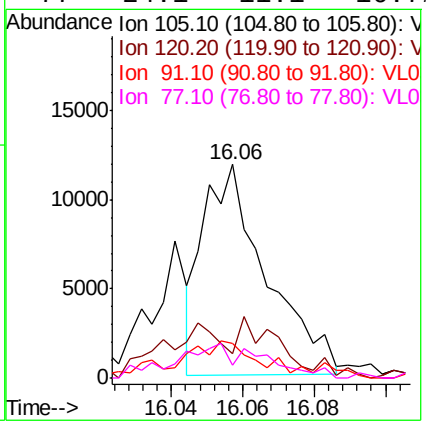


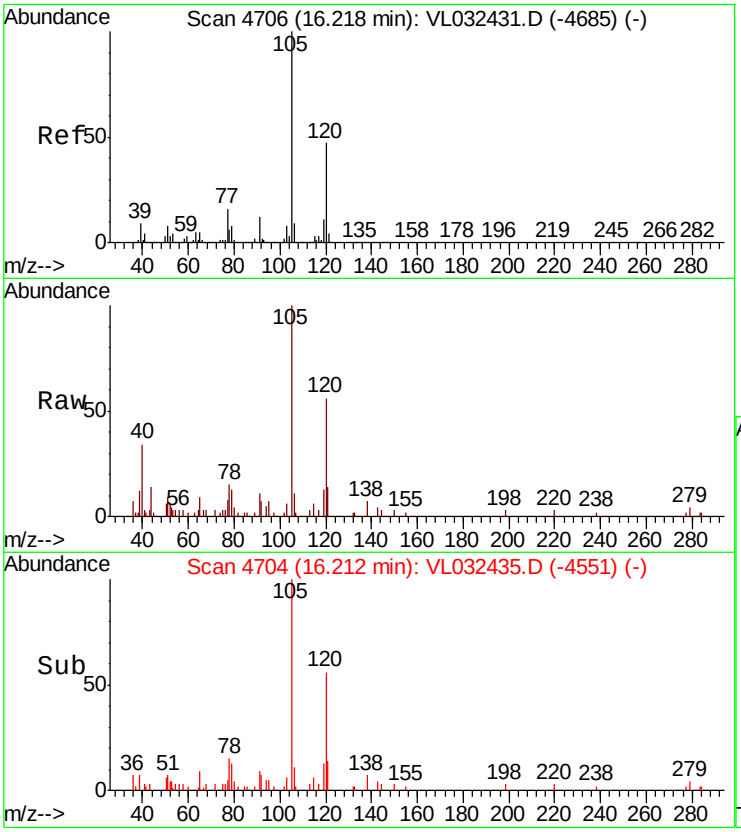


#72
4-Ethyltoluene
Concen: 0.035 ppbv
RT: 16.06 min Scan# 4656
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:105 Resp: 14604

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.5	35.3#
91	27.0	10.2	15.2#
77	24.1	11.1	16.7#



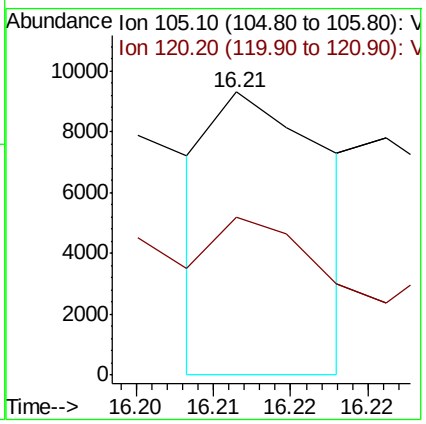


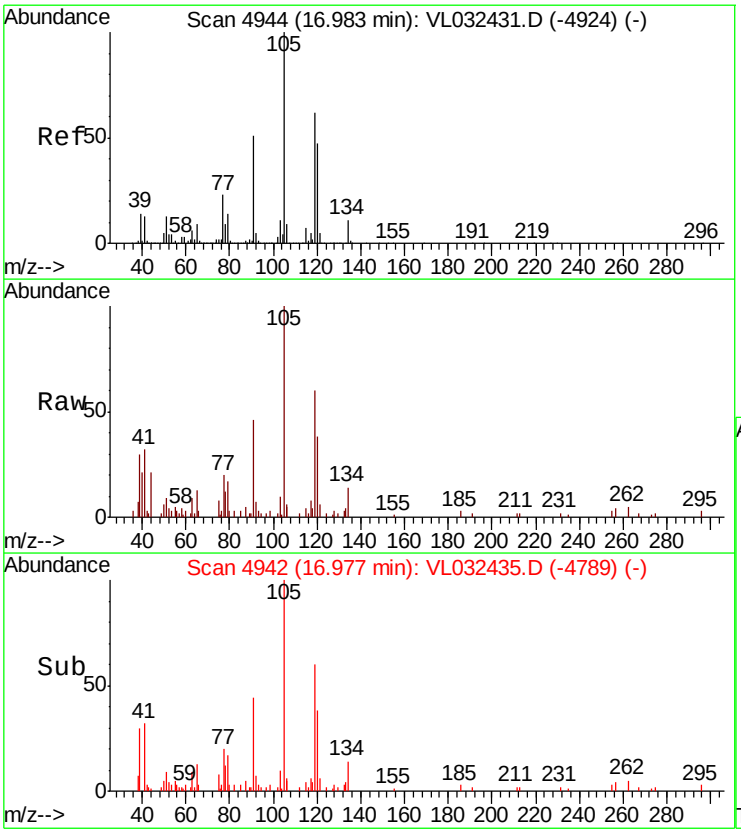
#73
1,3,5-Trimethylbenzene
Concen: 0.012 ppbv
RT: 16.21 min Scan# 4704
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 4782

Ion	Ratio	Lower	Upper
105	100		
120	103.4	37.9	56.9#

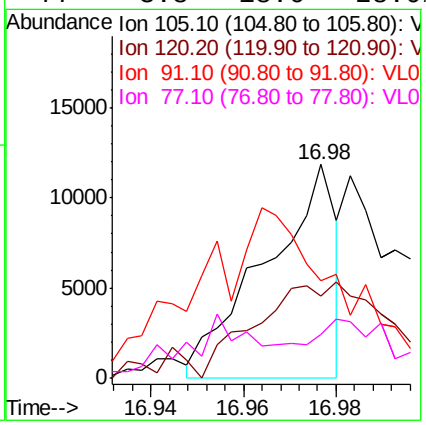


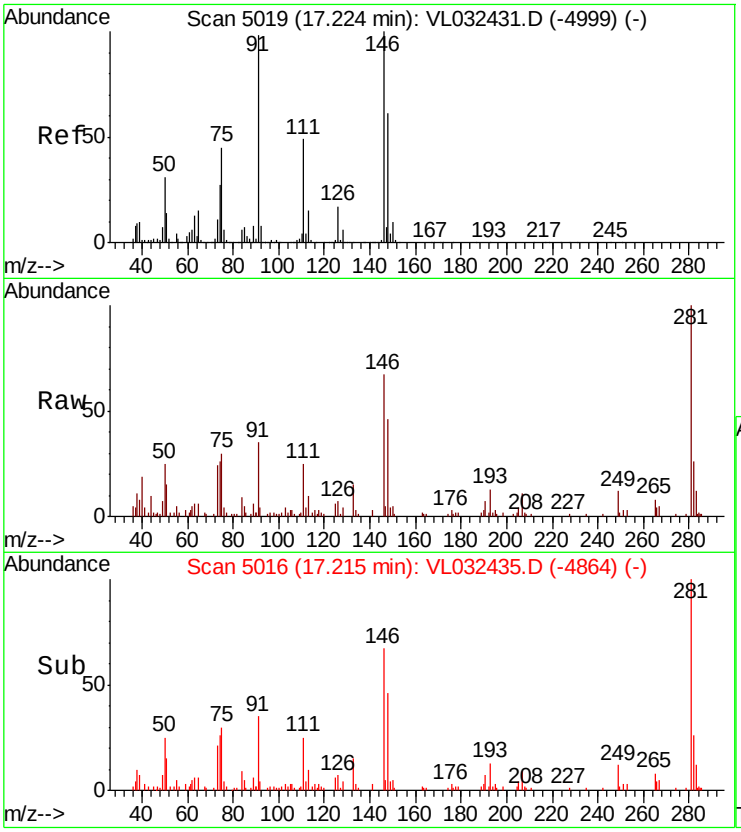


#74
1,2,4-Trimethylbenzene
Concen: 0.029 ppbv
RT: 16.98 min Scan# 4942
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:105 Resp: 12512

Ion	Ratio	Lower	Upper
105	100		
120	30.1	37.8	56.8#
91	14.2	41.4	62.0#
77	3.8	18.6	28.0#



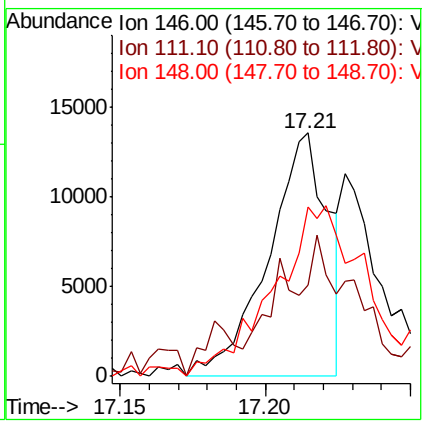


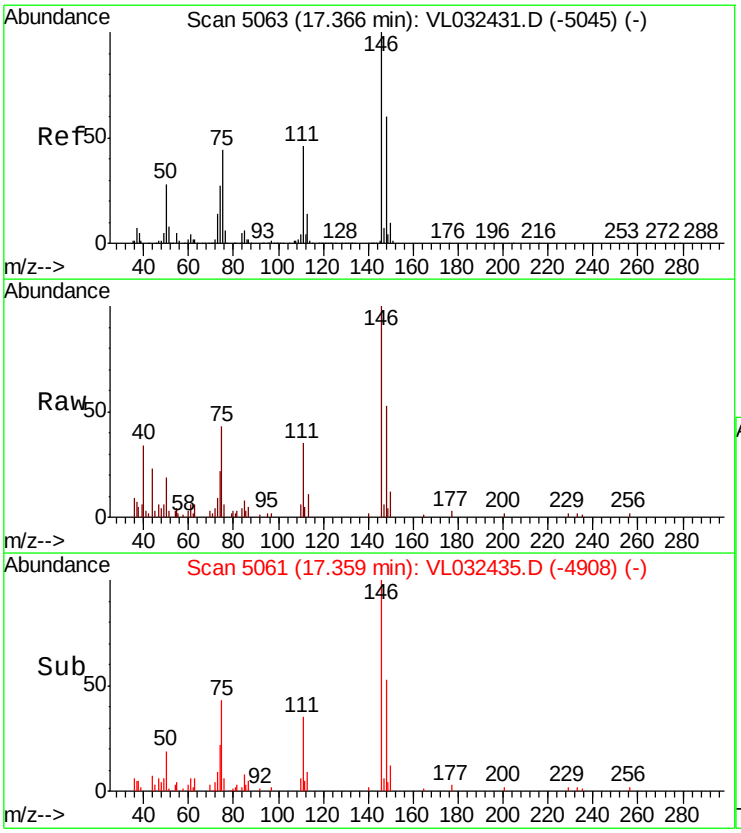
#75
1,3-Dichlorobenzene
Concen: 0.071 ppbv
RT: 17.21 min Scan# 5016
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 19484

Ion	Ratio	Lower	Upper
146	100		
111	94.6	24.6	73.6#
148	114.1	32.0	96.2#

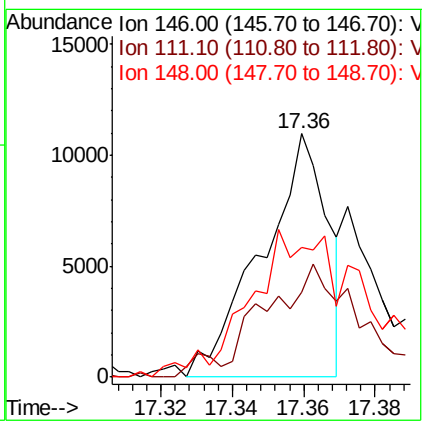


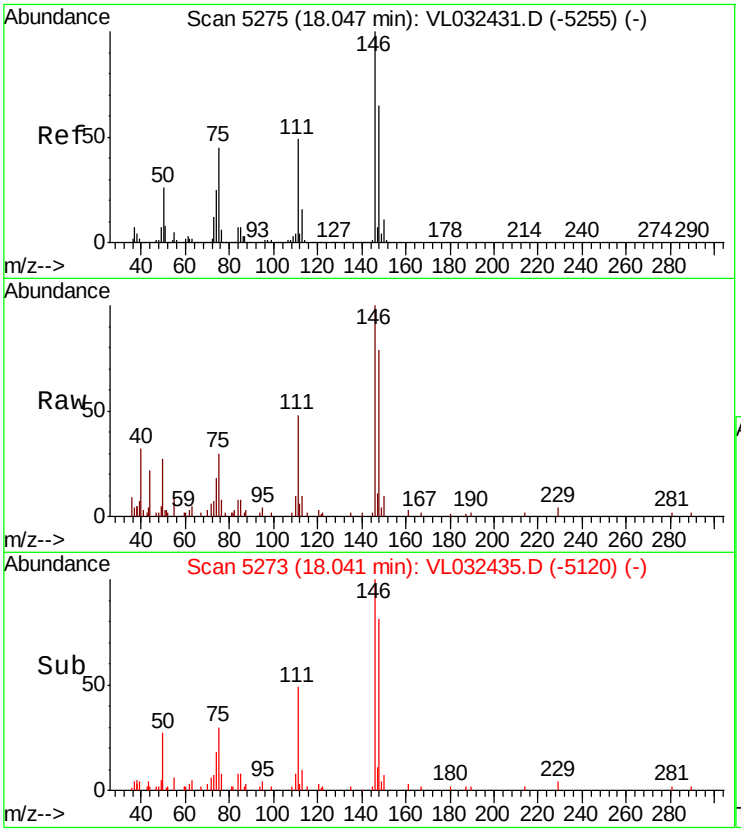


#76
1,4-Dichlorobenzene
Concen: 0.056 ppbv
RT: 17.36 min Scan# 5061
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:146 Resp: 13952

Ion	Ratio	Lower	Upper
146	100		
111	74.3	23.4	70.3#
148	111.8	31.9	95.9#



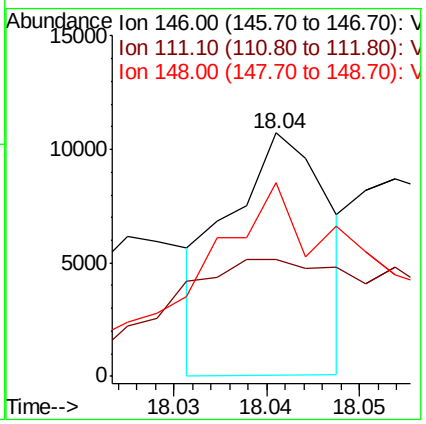


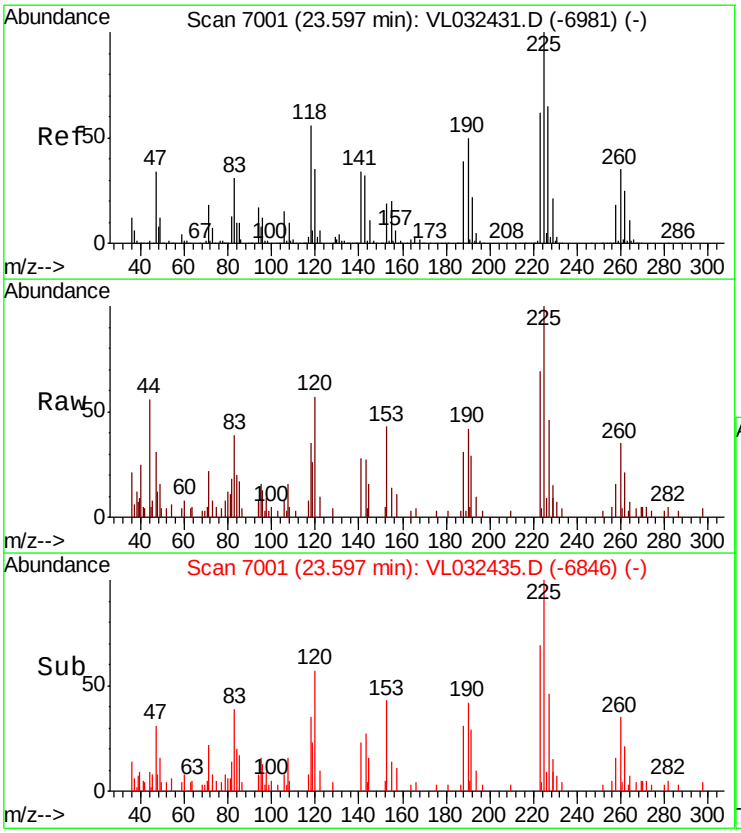
#77
1,2-Dichlorobenzene
Concen: 0.031 ppbv
RT: 18.04 min Scan# 5273
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 8025

Ion	Ratio	Lower	Upper
146	100		
111	163.5	24.9	74.7#
148	204.5	31.9	95.9#

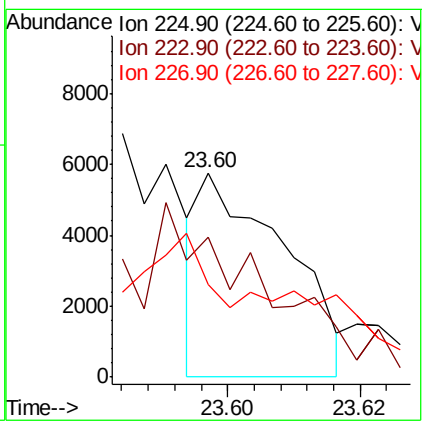


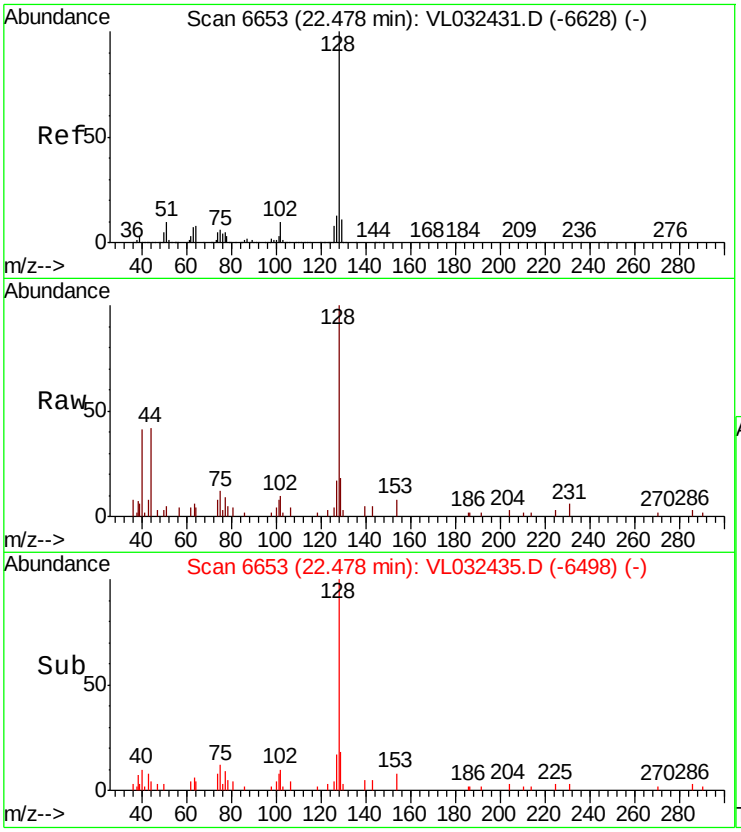


#78
Hexachloro-1,3-Butadiene
Concen: 0.045 ppbv
RT: 23.60 min Scan# 7001
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:225 Resp: 5125

Ion	Ratio	Lower	Upper
225	100		
223	180.7	50.6	76.0#
227	163.7	51.2	76.8#



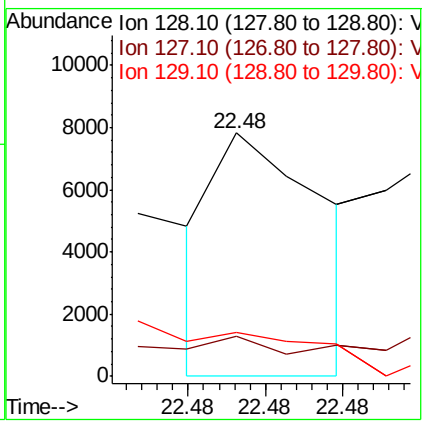


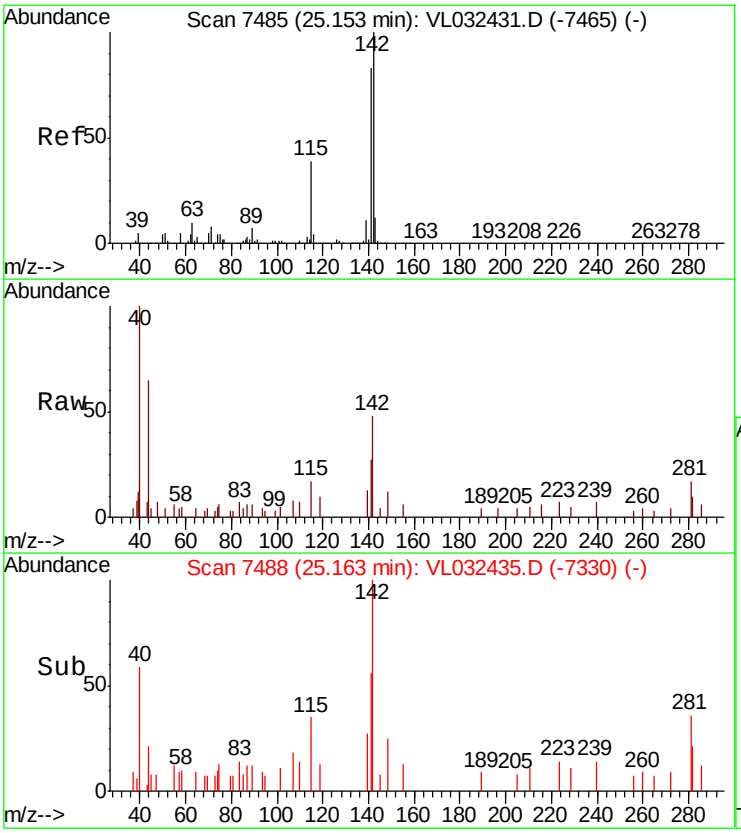
#79
Naphthalene
Concen: 0.013 ppbv
RT: 22.48 min Scan# 6653
Delta R.T. -0.00 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:128 Resp: 3823

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.2
129	12.6	8.5	12.7

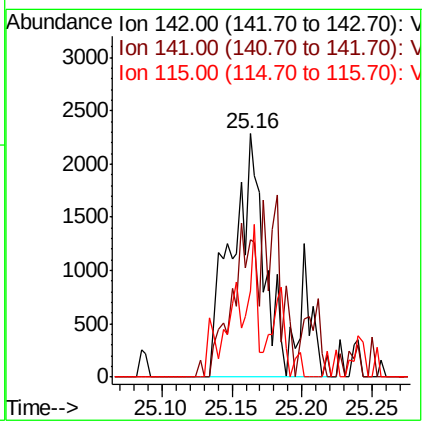


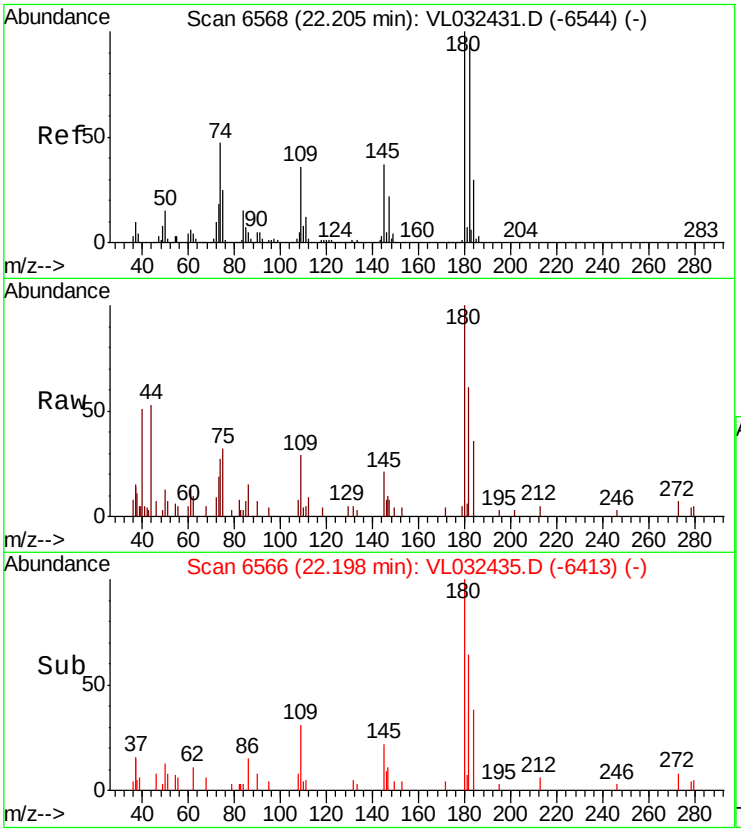


#80
Naphthalene,2-methyl-
Concen: 0.058 ppbv
RT: 25.16 min Scan# 7488
Delta R.T. 0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Tgt Ion:142 Resp: 4334

Ion	Ratio	Lower	Upper
142	100		
141	72.4	67.0	100.6
115	46.0	31.2	46.8





#81
1,2,4-Trichlorobenzene
Concen: 0.023 ppbv
RT: 22.20 min Scan# 6566
Delta R.T. -0.01 min
Lab File: VL032435.D
Acq: 31 Aug 2018 3:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:180 Resp: 3602

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.2#
184	98.5	23.9	35.9#