Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032433.D
Acq On : 31 Aug 2018 1:49
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Aug 31 04:27:20 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	2080711	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.34	114	4190563	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.30	117	4074396	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.63	95	3025609	9.96	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.11	85	310201	1.665	ppbv		98
3) Chlorodifluoromethane	3.04	51	204997	1.138	ppbv		97
4) Chloromethane	3.20	50	118370	1.073	ppbv		99
5) Vinyl Chloride	3.33	62	111103	1.138	ppbv		98
6) Bromomethane	3.55	94	63048	1.062	ppbv		99
7) Chloroethane	3.64	64	40074	1.044	ppbv		89
8) Dichlorotetrafluoroethane	3.25	85	257484	1.125	ppbv		100
9) Propene	3.07	41	73571	1.033	ppbv		98
10) Heptane	8.30	43	273154	1.062	ppbv		97
11) Trichlorofluoromethane	4.04	101	267431	1.145	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.59	101	176622	1.132	ppbv		96
13) Ethanol	3.70	45	19859	0.861	ppbv	#	61
14) Bromoethene	3.83	108	72388	1.069	ppbv		98
15) Acetone	3.95	43	210032	1.058	ppbv		99
16) 1,3-Butadiene	3.40	39	89001	1.075	ppbv		95
17) tert-Butyl alcohol	4.10	59	1076	0.033	ppbv		100
18) 1,1-Dichloroethene	4.40	96	75807	1.059	ppbv		89
19) Isopropyl Alcohol	4.08	45	133362	1.066	ppbv	#	95
20) Methylene Chloride	4.45	84	77682	1.054	ppbv		96
21) Allyl Chloride	4.52	41	129986	1.038	ppbv		98
22) trans-1,2-Dichloroethene	5.01	96	87263	1.130	ppbv		92
23) Vinyl Acetate	5.20	43	318364	1.041	ppbv	#	98
24) 1,1-Dichloroethane	5.13	63	278668	1.136	ppbv		100
25) Ethyl Acetate	5.82	43	464202	1.108	ppbv		99
26) Hexane	5.83	57	204305	1.088	ppbv		91
27) Carbon Disulfide	4.67	76	183702	1.019	ppbv	#	89
28) Methyl tert-Butyl Ether	5.17	73	248033	1.071	ppbv		100
29) Chloroform	5.89	83	316748	1.092	ppbv		98
30) Cyclohexane	7.31	84	135830	0.979	ppbv		96
31) cis-1,2-Dichloroethene	5.68	61	176567	1.030	ppbv		89
32) 1,1,1-Trichloroethane	6.67	97	293097	1.170	ppbv		98
34) 2-Butanone	5.38	43	297214	1.114	ppbv		97
35) Carbon Tetrachloride	7.18	117	283756	1.093	ppbv		99
36) Benzene	7.05	78	369721	1.066	ppbv		95
37) 1,2-Dichloroethane	6.46	62	231771	1.078	ppbv		100
38) Trichloroethene	8.01	130	145807	1.258	ppbv		92
39) 1,2-Dichloropropane	7.78	63	156142	1.071	ppbv		94
40) 1,4-Dioxane	8.04	88	26623	0.613	ppbv	#	1
41) Tetrahydrofuran	6.22	42	149221	1.045	ppbv		97
42) Bromodichloromethane	7.96	83	320131	1.090	ppbv		98
43) Methyl Methacrylate	8.19	69	145894	1.021	ppbv		97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032433.D
Acq On : 31 Aug 2018 1:49
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Aug 31 04:27:20 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	777653	1.201	ppbv		97
45) t-1,3-Dichloropropene	9.47	75	85651	0.504	ppbv		100
46) cis-1,3-Dichloropropene	8.89	75	191549	0.922	ppbv		99
47) 1,1,2-Trichloroethane	9.66	97	104717	0.671	ppbv		93
48) Dibromochloromethane	10.50	129	232312	1.057	ppbv		98
49) Bromoform	13.25	173	200073	1.036	ppbv		98
50) 4-Methyl-2-Pentanone	8.94	43	425786	1.029	ppbv		97
51) 2-Hexanone	10.34	43	258022	0.944	ppbv	#	93
52) Tetrachloroethene	11.42	164	114440	1.150	ppbv		91
53) Toluene	10.00	91	339205	0.933	ppbv		96
54) 1,2-Dibromoethane	10.81	107	117565	0.522	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.33	131	203549	1.161	ppbv	#	1
57) Chlorobenzene	12.35	112	358077	1.147	ppbv		98
58) Ethyl Benzene	12.92	91	479945	1.033	ppbv		97
59) m/p-Xylene	13.21	91	444756	1.075	ppbv	#	27
60) o-Xylene	13.91	91	462412	1.163	ppbv		98
61) Styrene	13.74	104	260666	0.975	ppbv		99
62) Isopropylbenzene	14.88	105	630666	1.120	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.89	83	416369	1.198	ppbv		99
64) n-propylbenzene	15.78	120	164073	1.115	ppbv		87
65) tert-Butylbenzene	16.96	119	560183	1.159	ppbv		96
66) Benzyl Chloride	17.21	91	276897	0.924	ppbv		98
67) sec-Butylbenzene	17.51	105	846392	1.177	ppbv		100
69) p-Isopropyltoluene	17.86	119	640270	1.161	ppbv		98
70) n-Butylbenzene	18.77	91	746794	1.222	ppbv		97
71) 2-Chlorotoluene	15.67	91	467381	1.086	ppbv		99
72) 4-Ethyltoluene	16.05	105	478827	1.105	ppbv		98
73) 1,3,5-Trimethylbenzene	16.21	105	490154	1.184	ppbv		95
74) 1,2,4-Trimethylbenzene	16.98	105	565434	1.266	ppbv	#	88
75) 1,3-Dichlorobenzene	17.21	146	336809	1.182	ppbv		99
76) 1,4-Dichlorobenzene	17.37	146	120886	0.462	ppbv	#	1
77) 1,2-Dichlorobenzene	18.04	146	322183	1.177	ppbv		99
78) Hexachloro-1,3-Butadiene	23.59	225	94790	0.803	ppbv	#	75
79) Naphthalene	22.48	128	409152	1.377	ppbv		97
80) Naphthalene,2-methyl-	25.16	142	65609	0.844	ppbv		97
81) 1,2,4-Trichlorobenzene	22.20	180	209424	1.300	ppbv		98

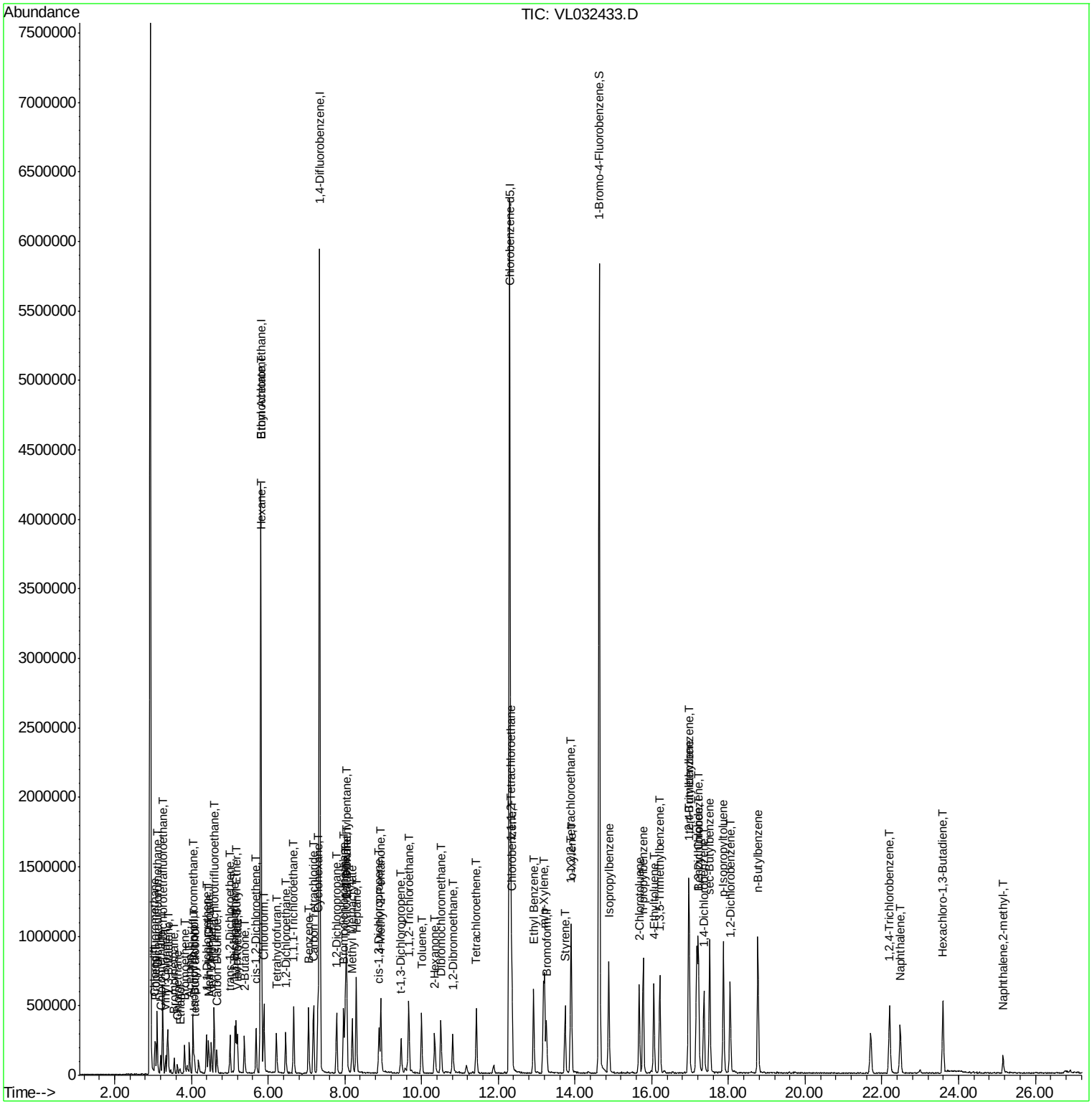
(#) = qualifier out of range (m) = manual integration (+) = signals summed

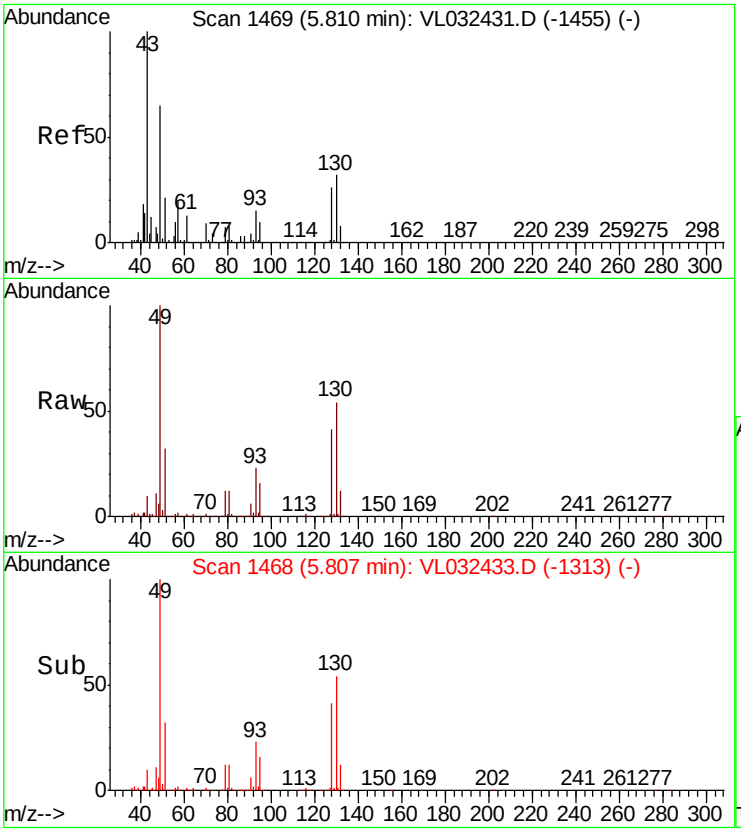
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032433.D
Acq On : 31 Aug 2018 1:49
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Aug 31 04:27:20 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



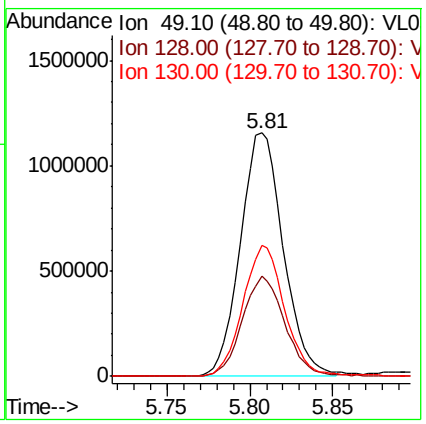


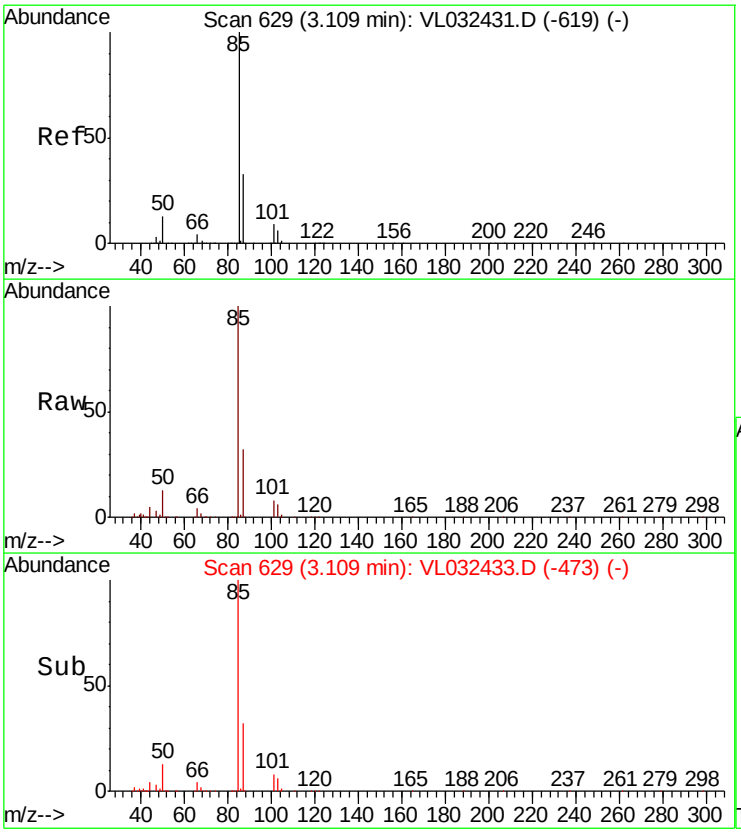
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.81 min Scan# 1468
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 49 Resp: 2080711

Ion	Ratio	Lower	Upper
49	100		
128	40.9	20.7	62.1
130	52.9	26.7	80.0

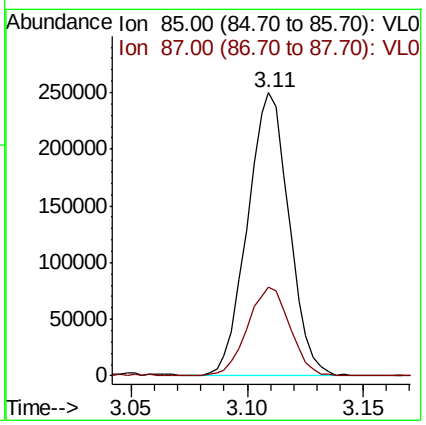


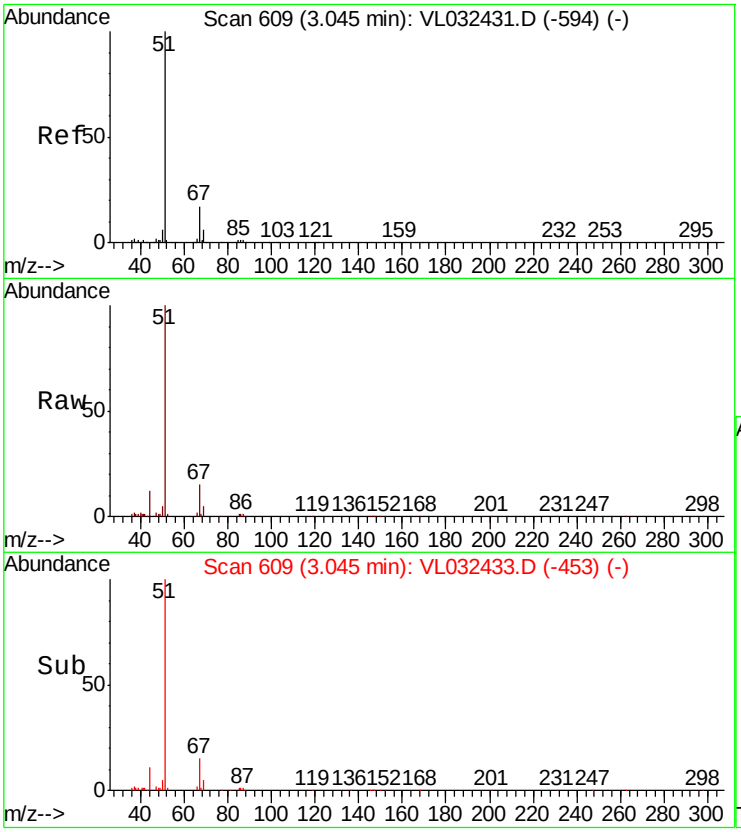


#2
Dichlorodifluoromethane
Concen: 1.665 ppbv
RT: 3.11 min Scan# 629
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 85 Resp: 310201

Ion	Ratio	Lower	Upper
85	100		
87	31.5	26.2	39.4



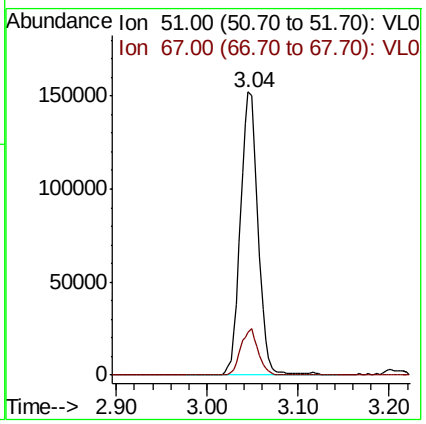


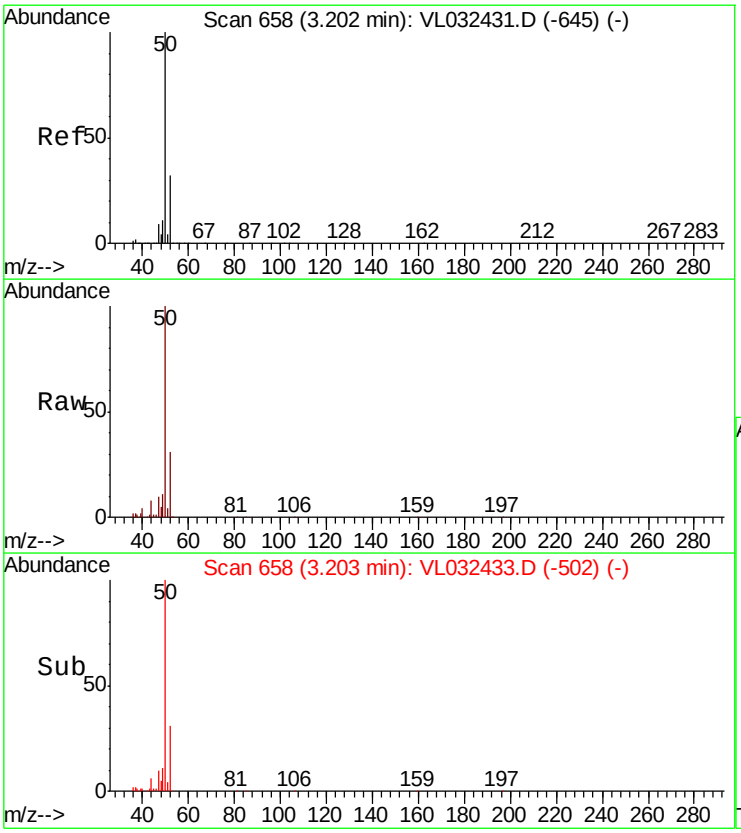
#3
Chlorodifluoromethane
Concen: 1.138 ppbv
RT: 3.04 min Scan# 609
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 51 Resp: 204997

Ion	Ratio	Lower	Upper
51	100		
67	16.0	13.8	20.8

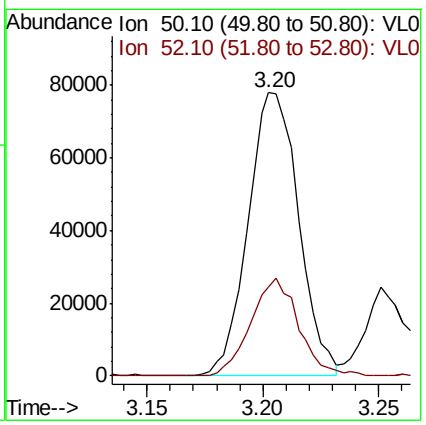


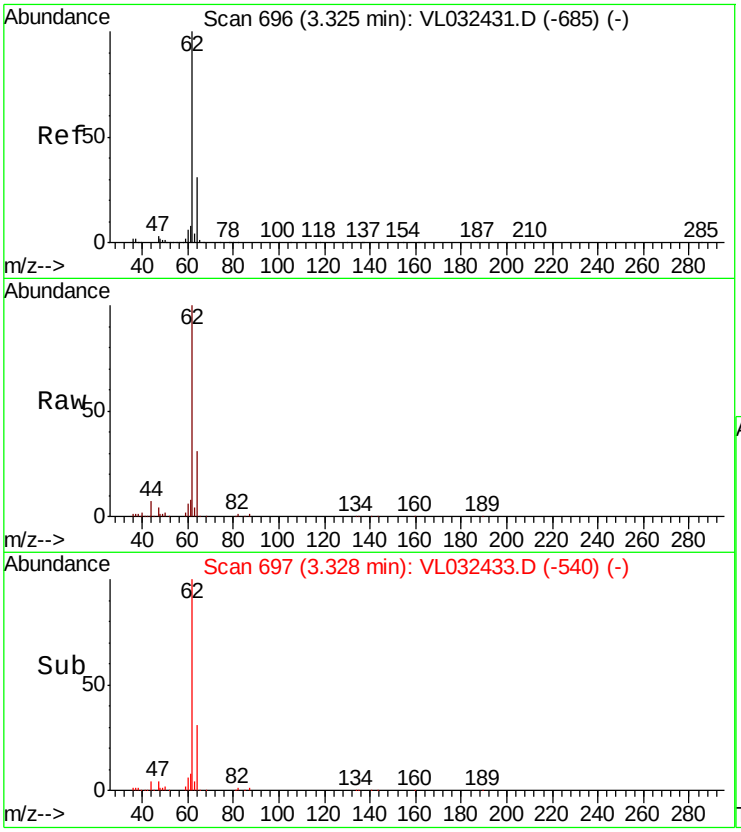


#4
Chloromethane
Concen: 1.073 ppbv
RT: 3.20 min Scan# 658
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 50 Resp: 118370

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.6	38.4



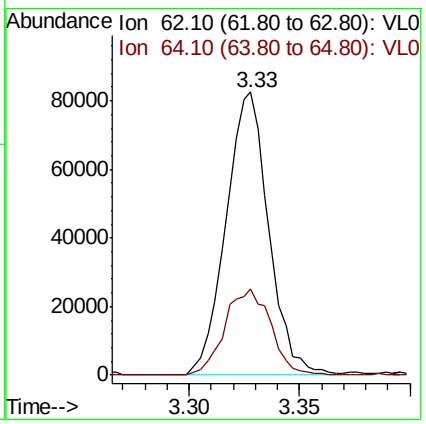


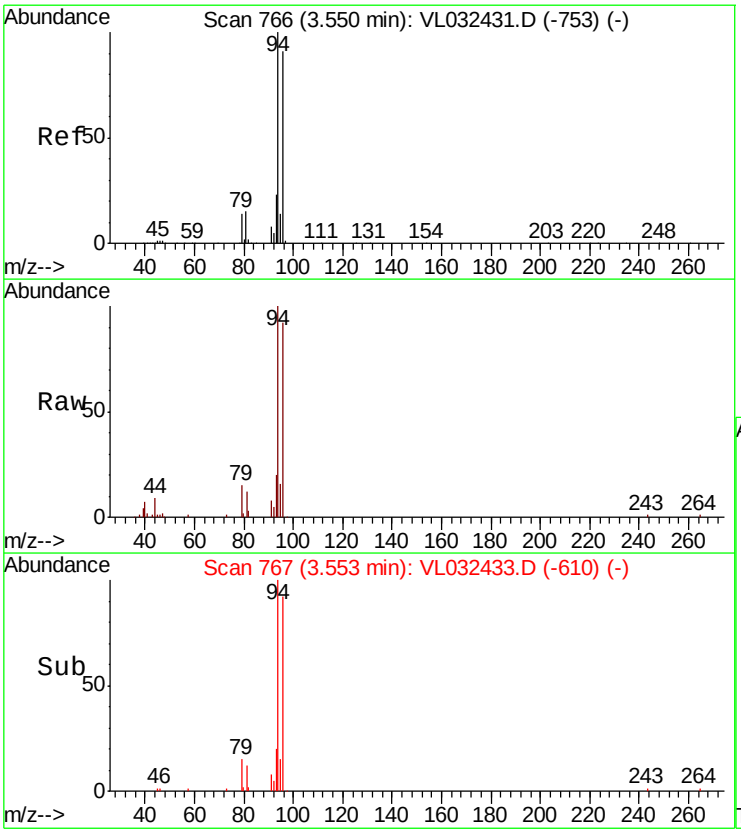
#5
Vinyl Chloride
Concen: 1.138 ppbv
RT: 3.33 min Scan# 697
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 111103

Ion	Ratio	Lower	Upper
62	100		
64	30.3	25.0	37.6

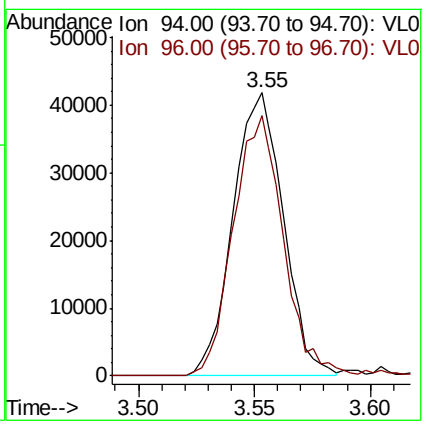


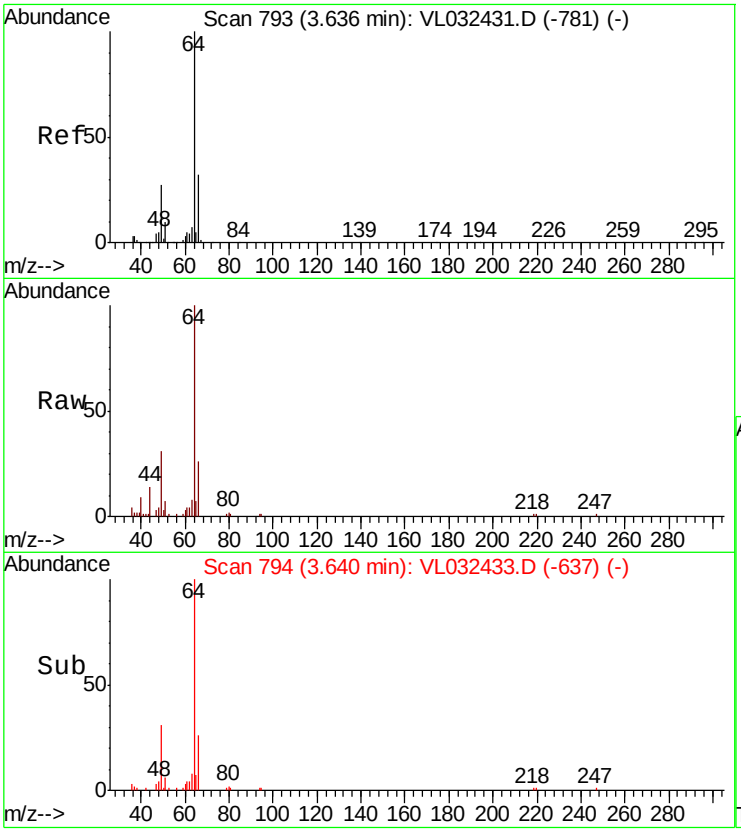


#6
Bromomethane
Concen: 1.062 ppbv
RT: 3.55 min Scan# 767
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 94 Resp: 63048

Ion	Ratio	Lower	Upper
94	100		
96	92.1	72.8	109.2



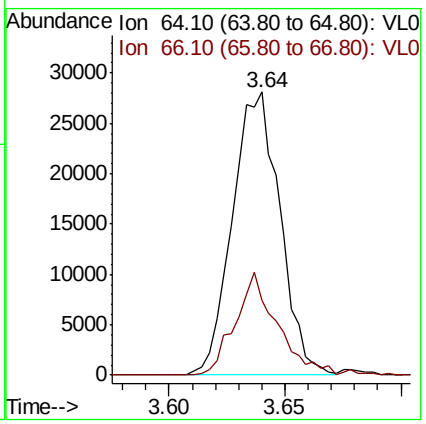


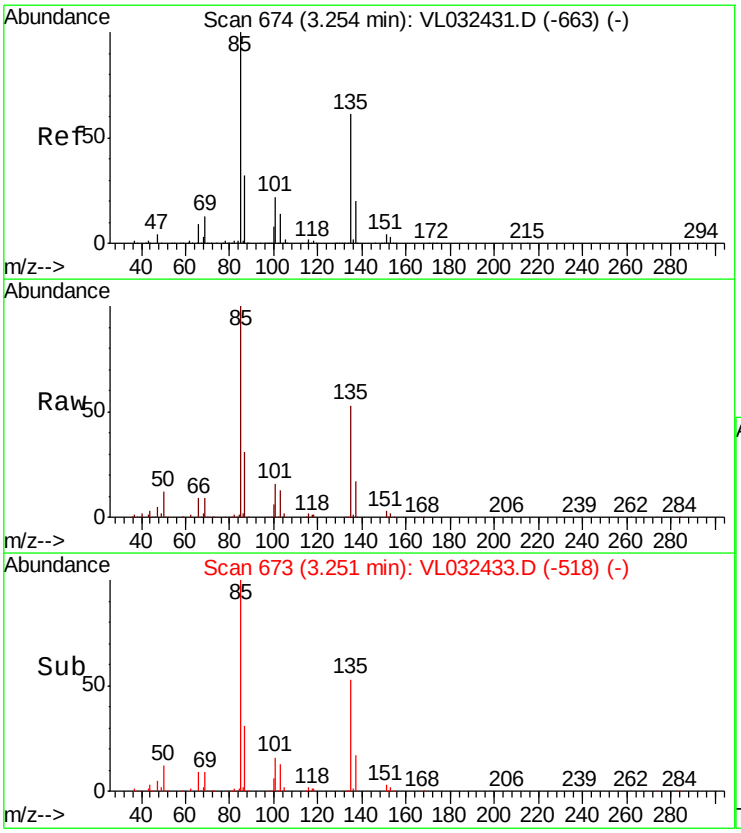
#7
Chloroethane
Concen: 1.044 ppbv
RT: 3.64 min Scan# 794
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 40074

Ion	Ratio	Lower	Upper
64	100		
66	26.2	25.8	38.6

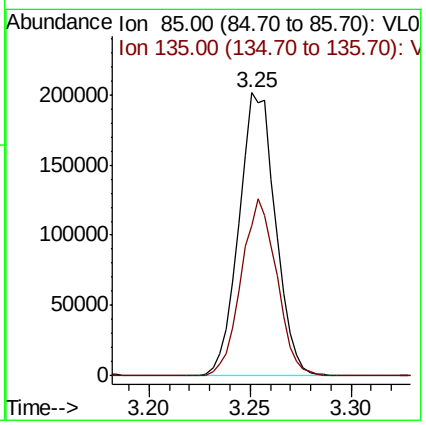


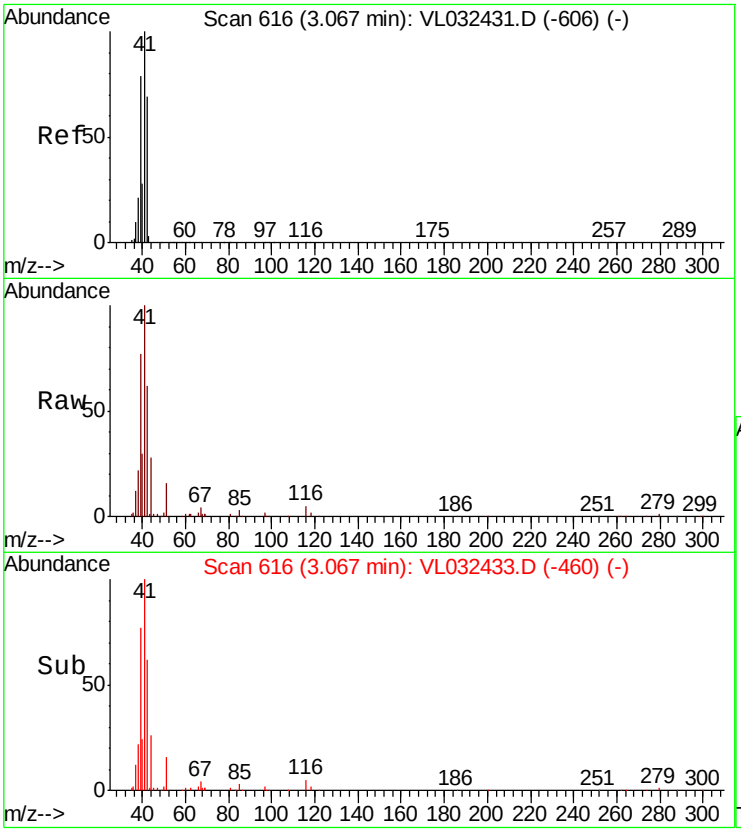


#8
Dichlorotetrafluoroethane
Concen: 1.125 ppbv
RT: 3.25 min Scan# 673
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 85 Resp: 257484

Ion	Ratio	Lower	Upper
85	100		
135	60.7	48.6	72.8



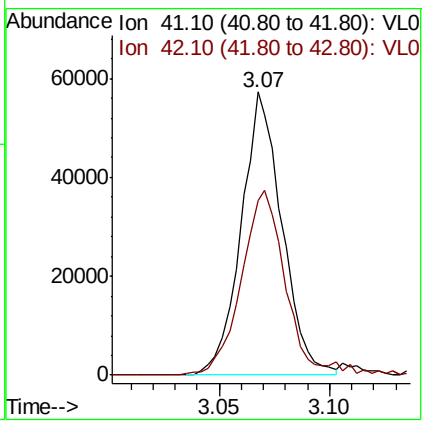


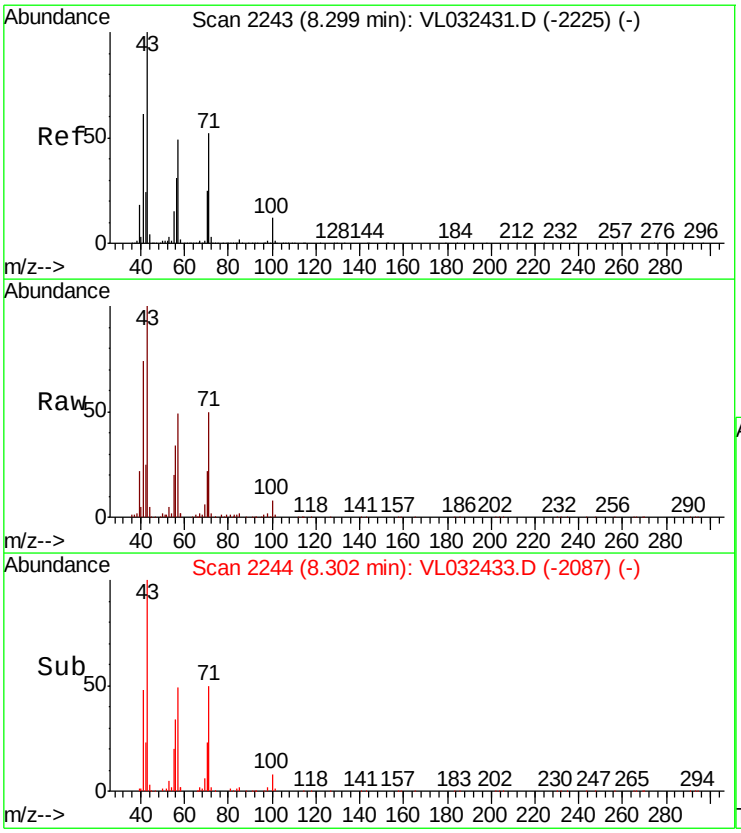
#9
Propene
Concen: 1.033 ppbv
RT: 3.07 min Scan# 616
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 73571

Ion	Ratio	Lower	Upper
41	100		
42	72.4	56.6	84.8

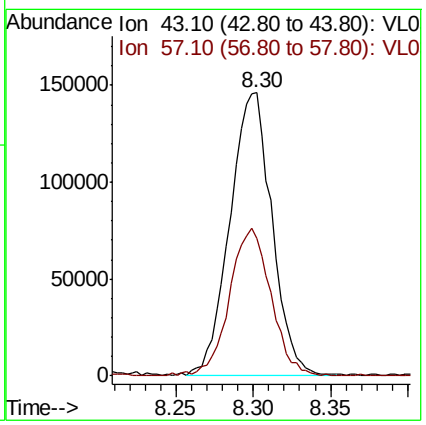


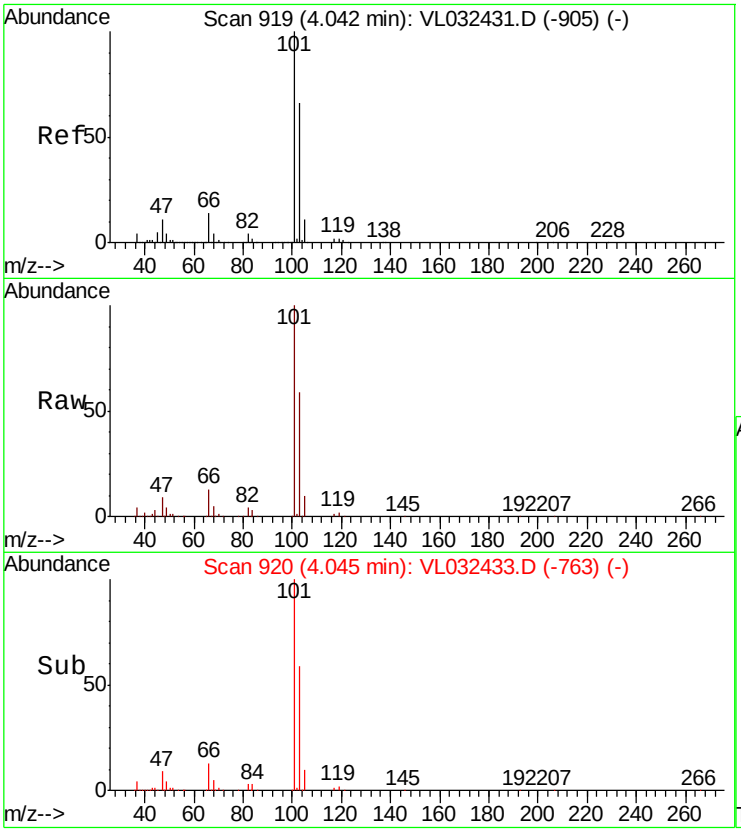


#10
Heptane
Concen: 1.062 ppbv
RT: 8.30 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 43 Resp: 273154

Ion	Ratio	Lower	Upper
43	100		
57	52.1	39.8	59.6



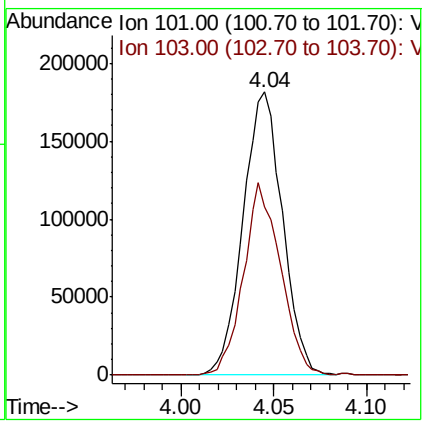


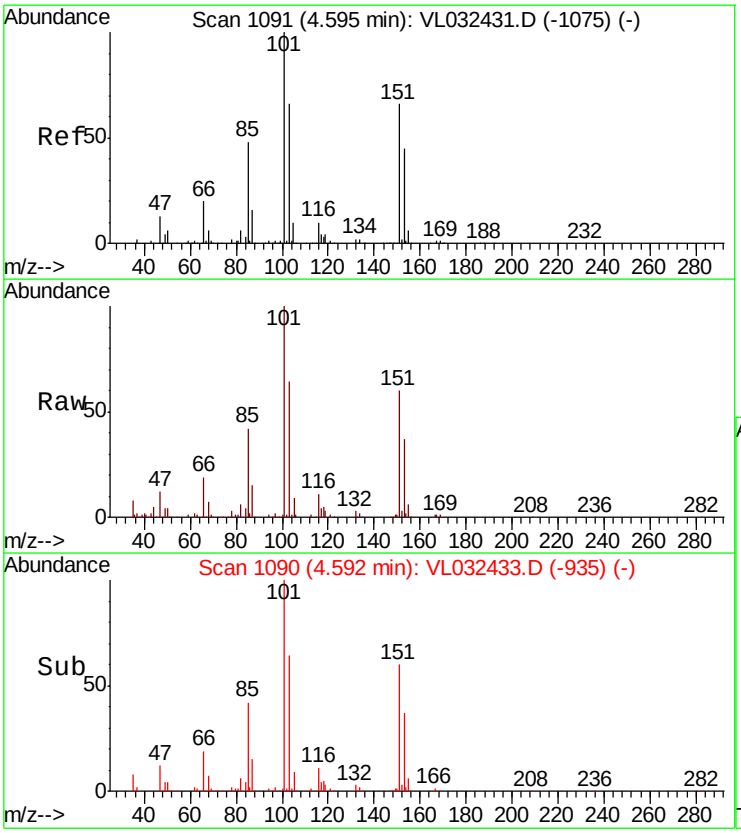
#11
Trichlorofluoromethane
Concen: 1.145 ppbv
RT: 4.04 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 267431

Ion	Ratio	Lower	Upper
101	100		
103	59.4	52.8	79.2

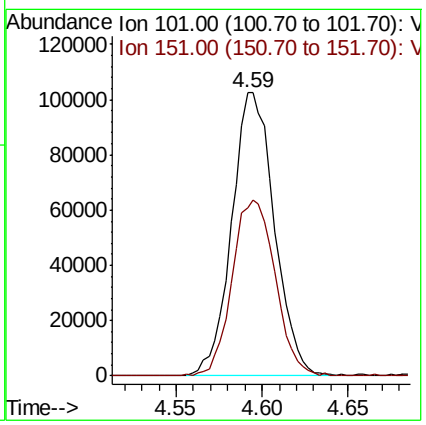


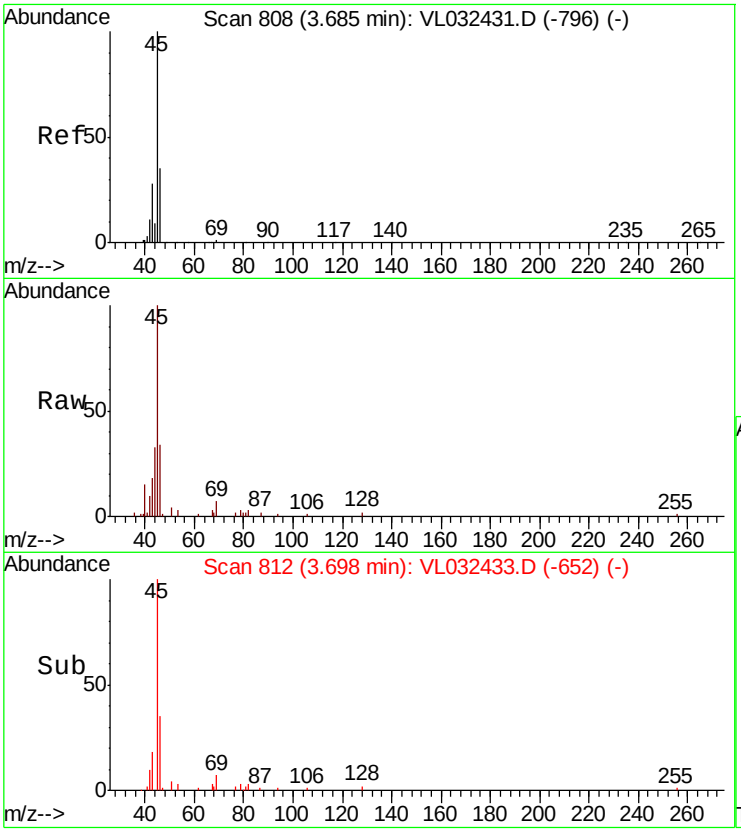


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.132 ppbv
RT: 4.59 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:101 Resp: 176622

Ion	Ratio	Lower	Upper
101	100		
151	62.7	52.6	78.8



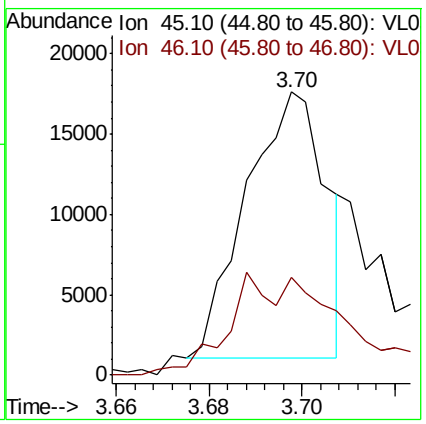


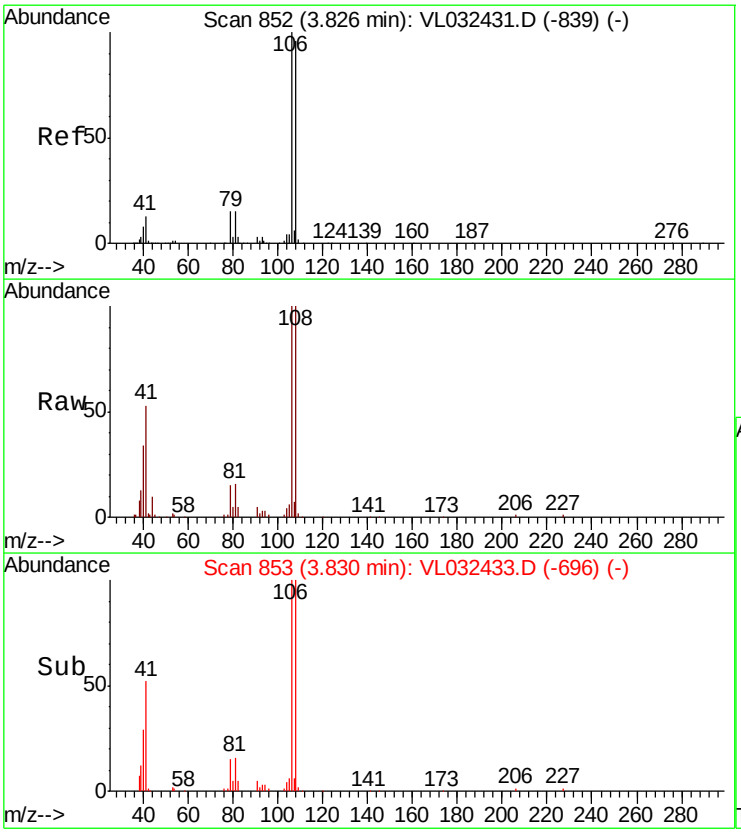
#13
Ethanol
Concen: 0.861 ppbv
RT: 3.70 min Scan# 812
Delta R.T. 0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 19859

Ion	Ratio	Lower	Upper
45	100		
46	57.3	13.9	55.7#

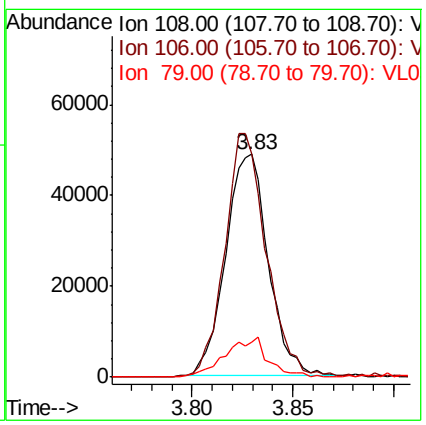


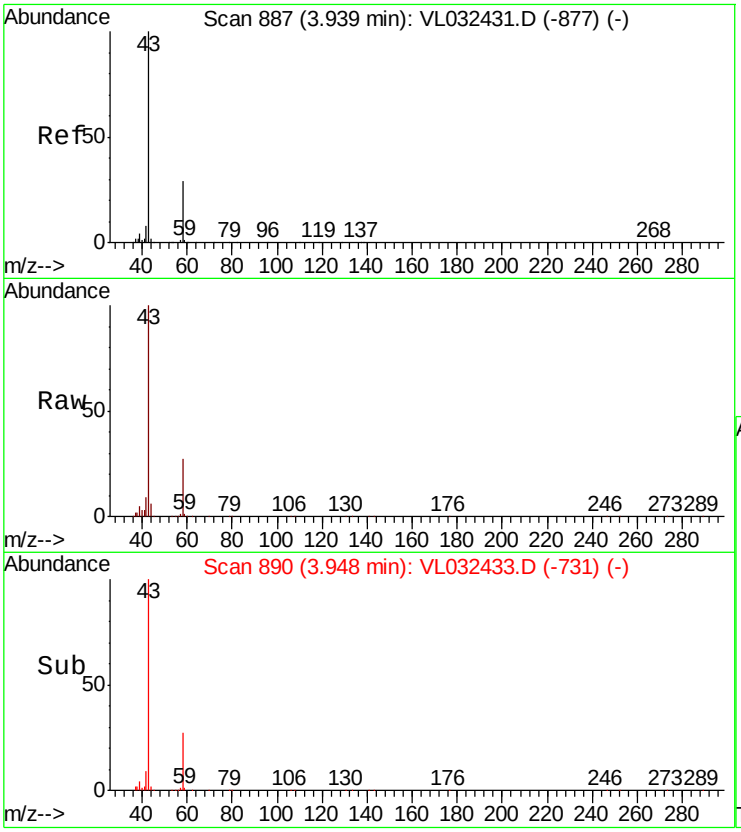


#14
Bromoethene
Concen: 1.069 ppbv
RT: 3.83 min Scan# 853
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:108 Resp: 72388

Ion	Ratio	Lower	Upper
108	100		
106	108.2	85.5	128.3
79	18.2	13.0	19.6



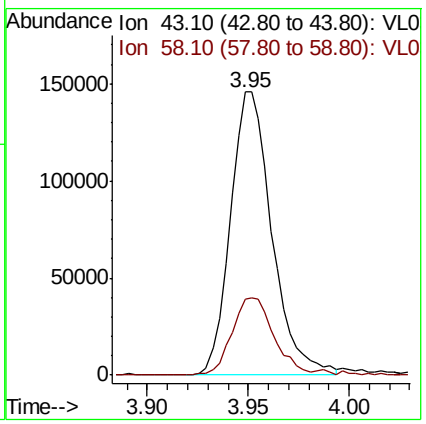


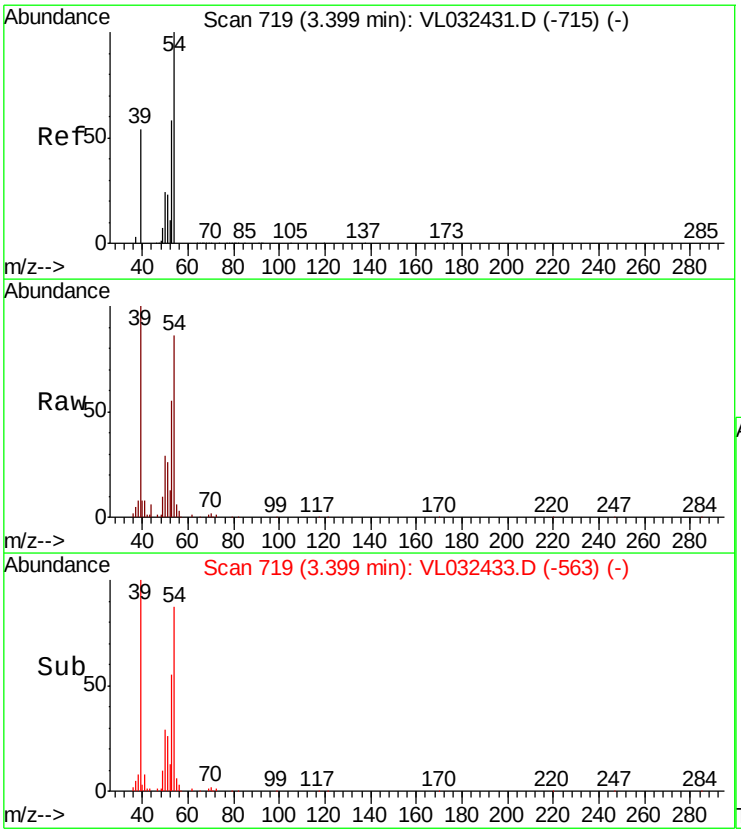
#15
Acetone
Concen: 1.058 ppbv
RT: 3.95 min Scan# 890
Delta R.T. 0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 210032

Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.6	33.8

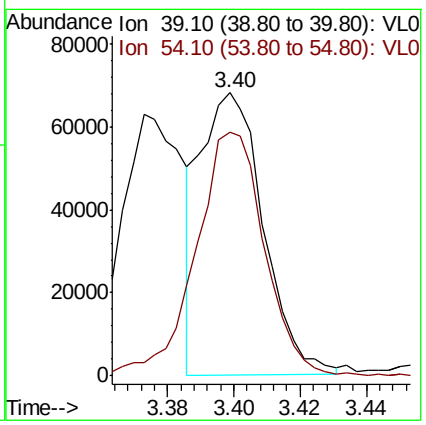


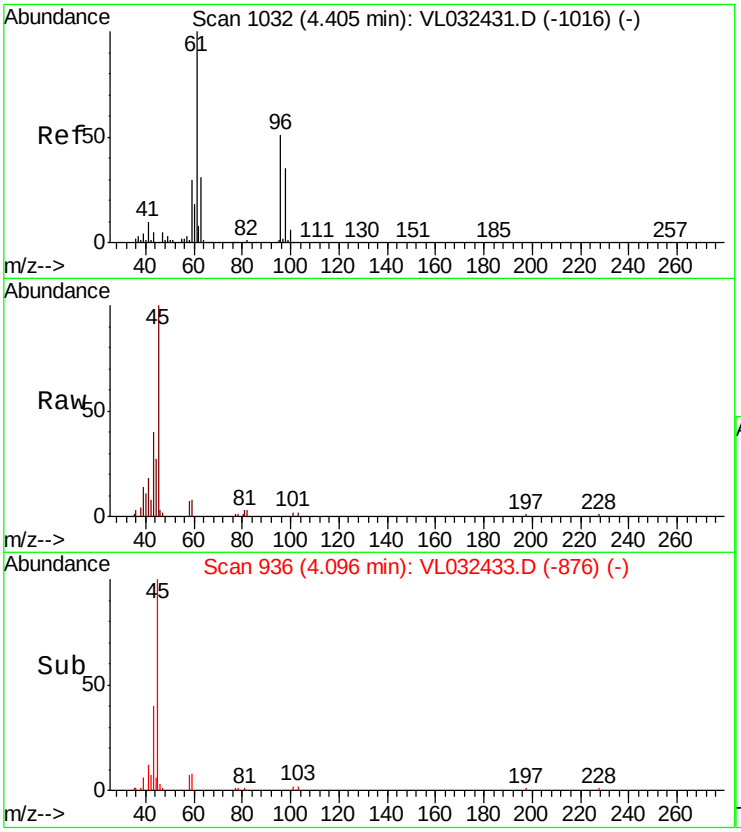


#16
1,3-Butadiene
Concen: 1.075 ppbv
RT: 3.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 39 Resp: 89001

Ion	Ratio	Lower	Upper
39	100		
54	95.5	80.8	121.2



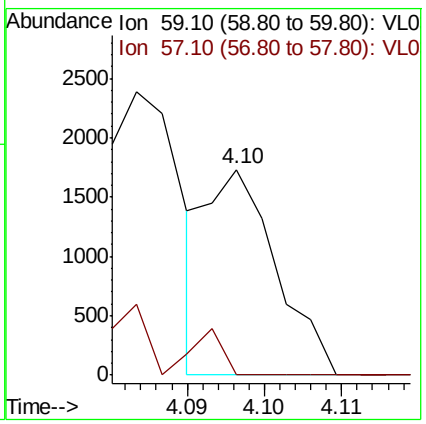


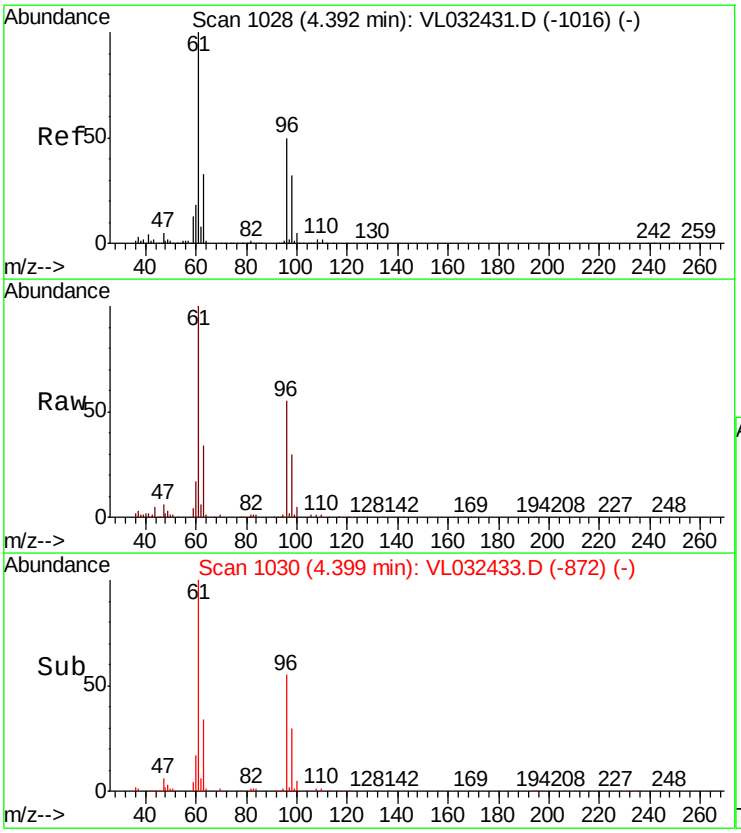
#17
tert-Butyl alcohol
Concen: 0.033 ppbv
RT: 4.10 min Scan# 936
Delta R.T. -0.31 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1076

Ion	Ratio	Lower	Upper
59	100		
57	8.6	7.0	10.4

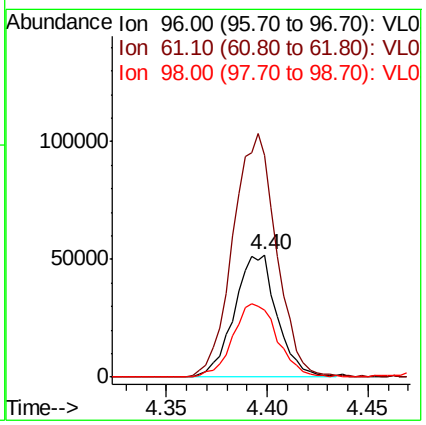


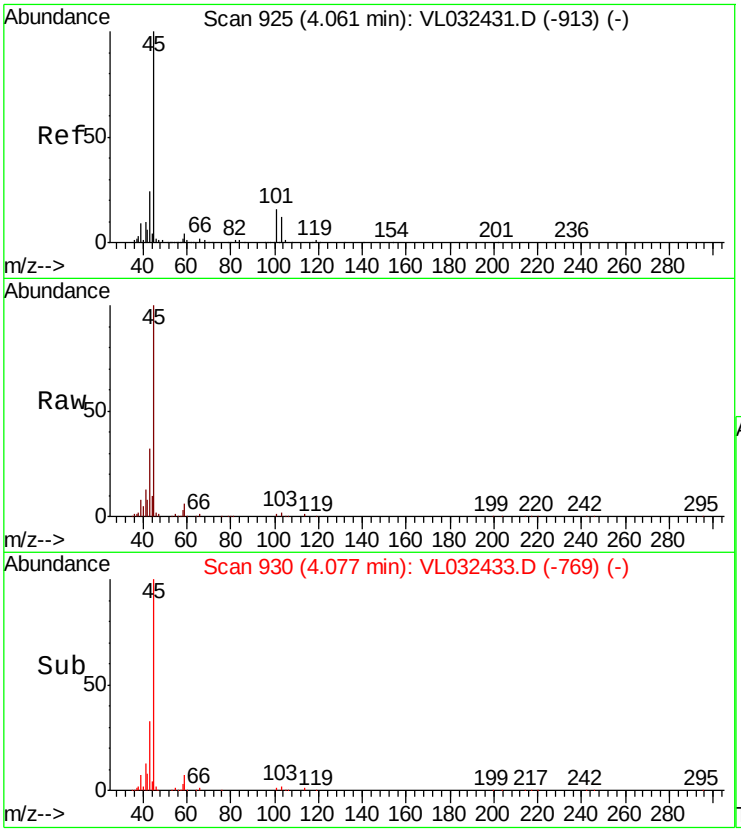


#18
1,1-Dichloroethene
Concen: 1.059 ppbv
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 96 Resp: 75807

Ion	Ratio	Lower	Upper
96	100		
61	181.7	159.2	238.8
98	54.7	51.0	76.4



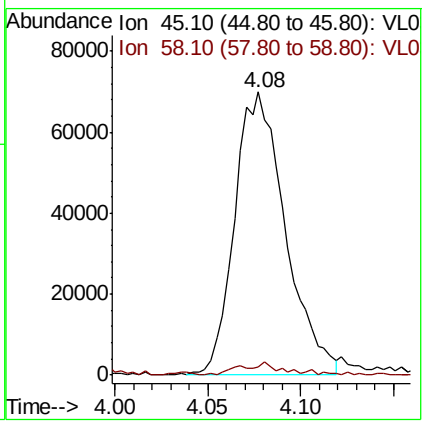


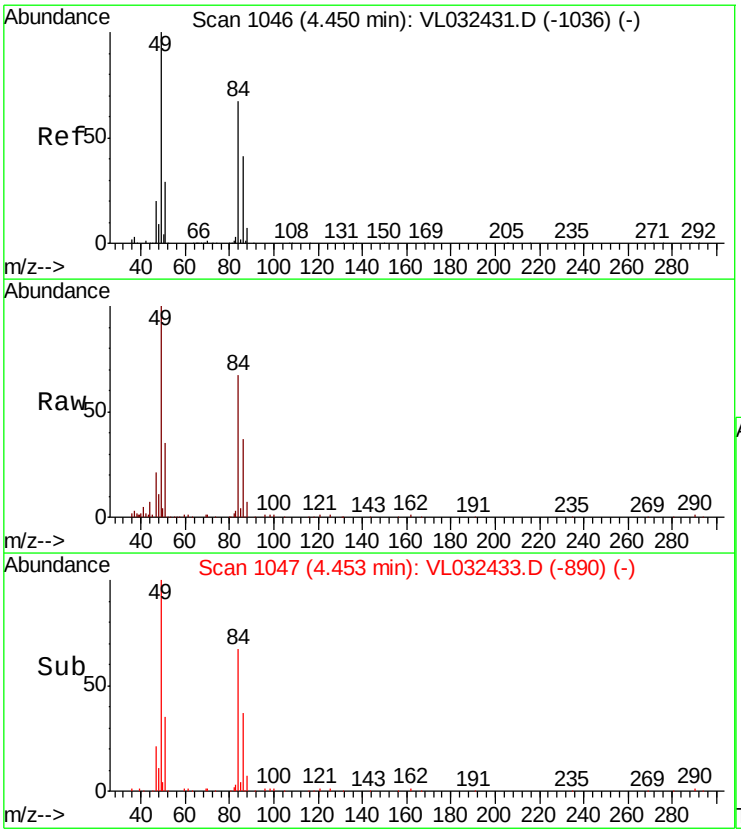
#19
Isopropyl Alcohol
Concen: 1.066 ppbv
RT: 4.08 min Scan# 930
Delta R.T. 0.02 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 133362

Ion	Ratio	Lower	Upper
45	100		
58	4.1	2.0	3.0#

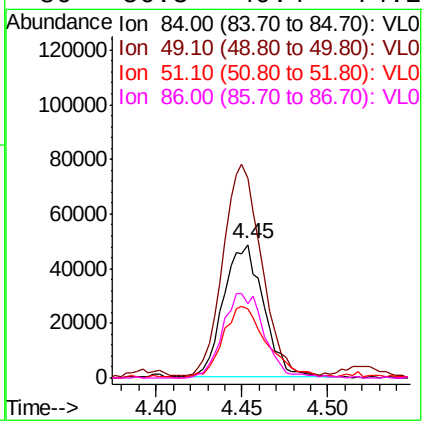


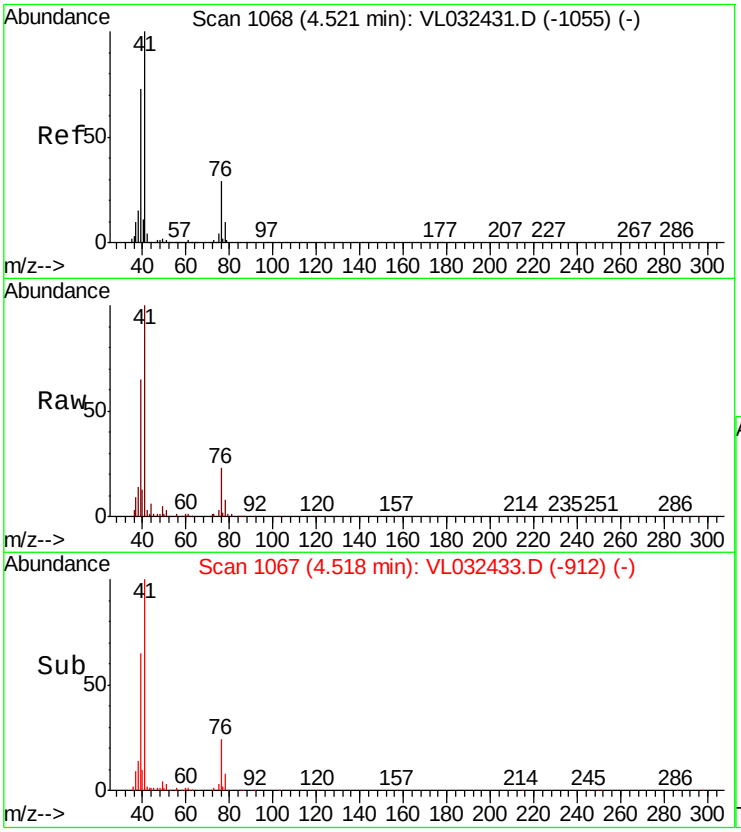


#20
Methylene Chloride
Concen: 1.054 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 84 Resp: 77682

Ion	Ratio	Lower	Upper
84	100		
49	149.4	119.1	178.7
51	51.5	35.2	52.8
86	56.3	49.4	74.2



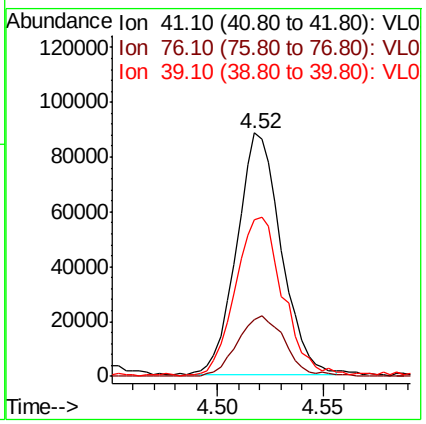


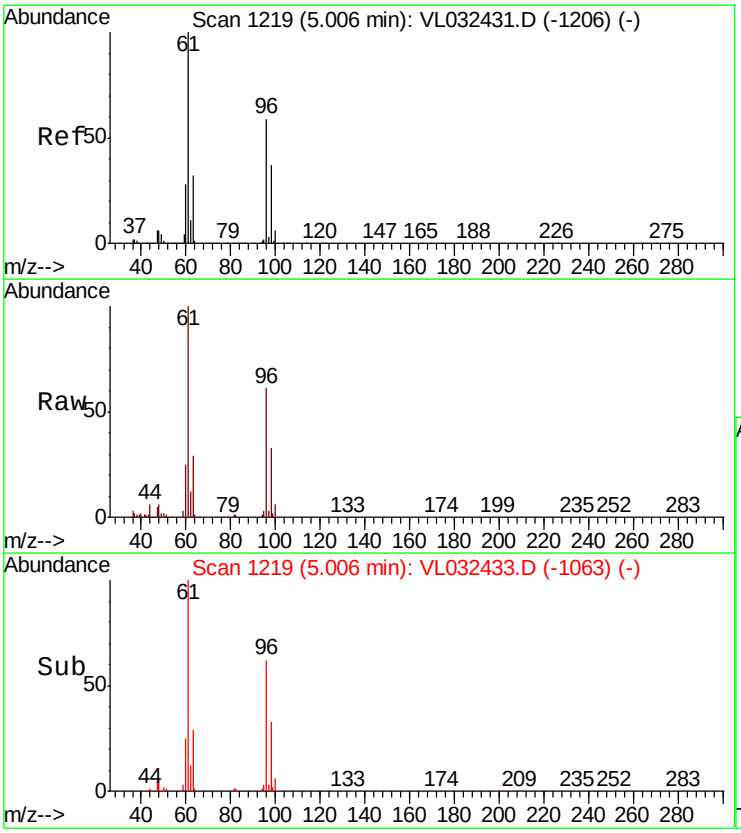
#21
Allyl Chloride
Concen: 1.038 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 41 Resp: 129986

Ion	Ratio	Lower	Upper
41	100		
76	26.9	23.6	35.4
39	73.3	57.7	86.5

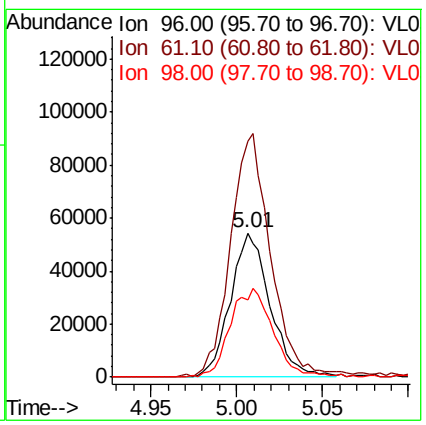


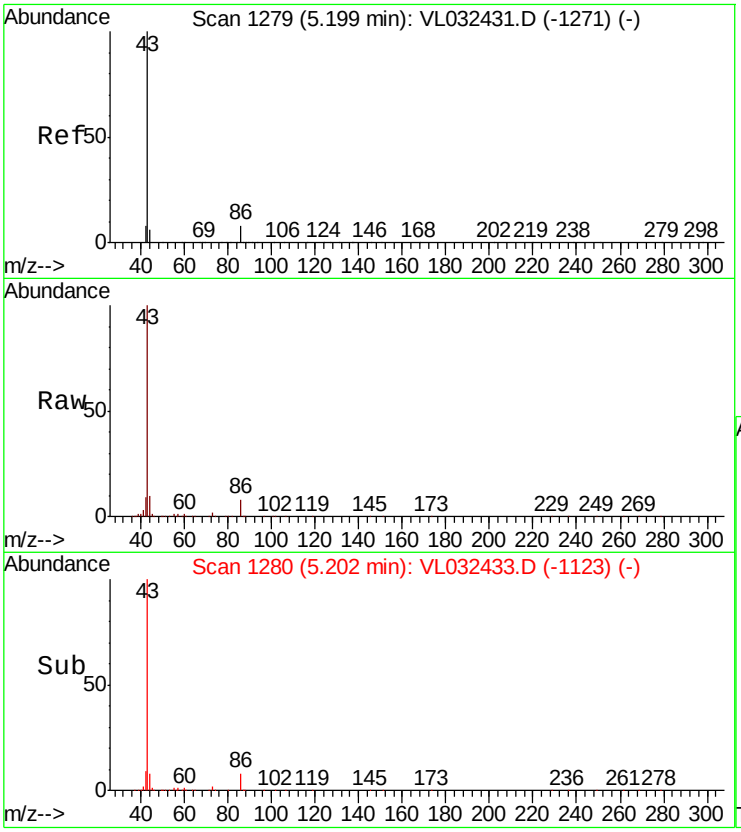


#22
trans-1,2-Dichloroethene
Concen: 1.130 ppbv
RT: 5.01 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 96 Resp: 87263

Ion	Ratio	Lower	Upper
96	100		
61	160.9	136.2	204.4
98	53.4	50.4	75.6



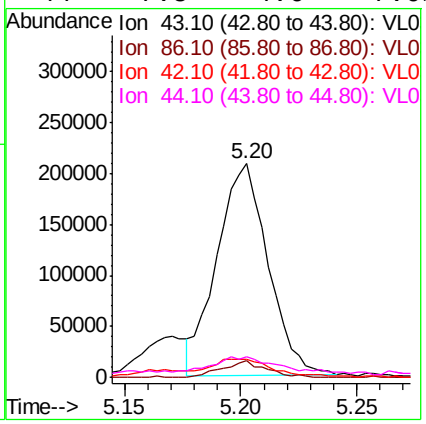


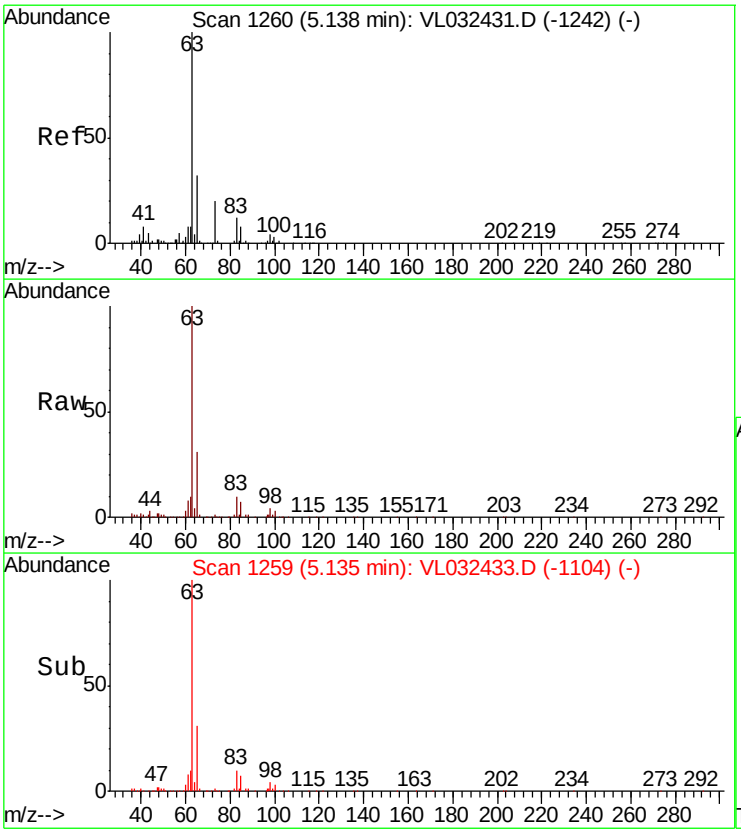
#23
Vinyl Acetate
Concen: 1.041 ppbv
RT: 5.20 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 318364

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.9	8.9
42	8.2	6.9	10.3
44	7.5	4.6	7.0#

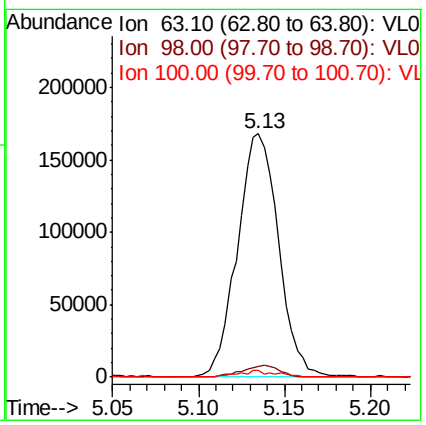


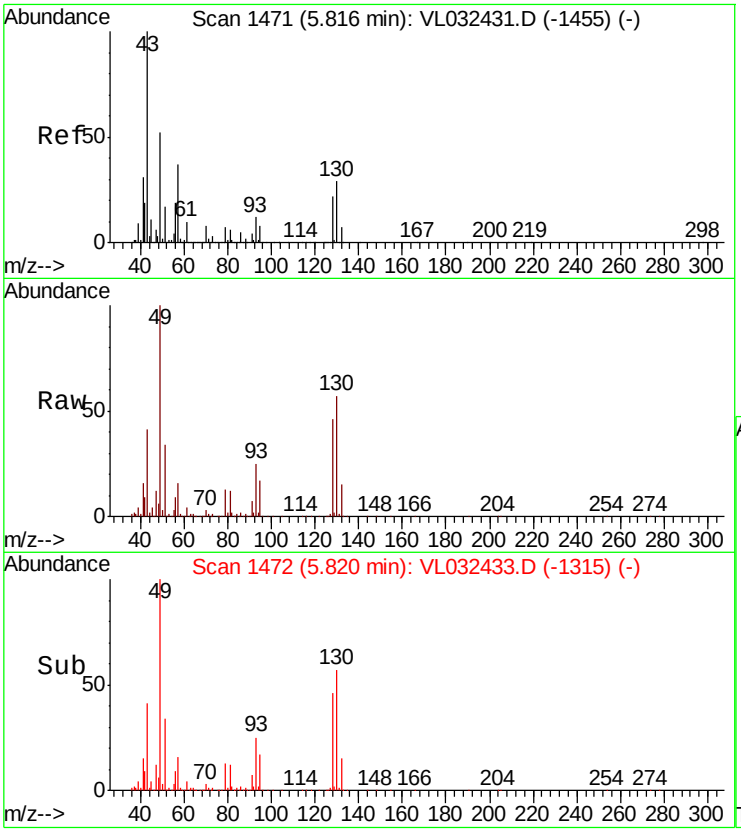


#24
1,1-Dichloroethane
Concen: 1.136 ppbv
RT: 5.13 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 63 Resp: 278668

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.5
100	3.0	1.5	4.4



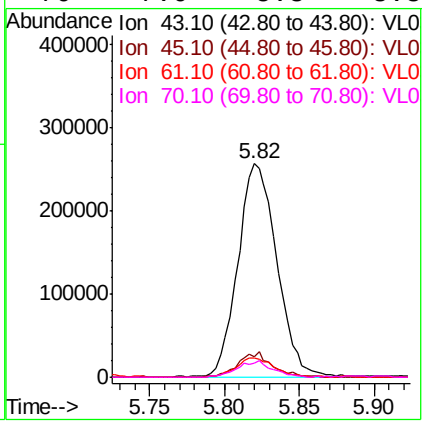


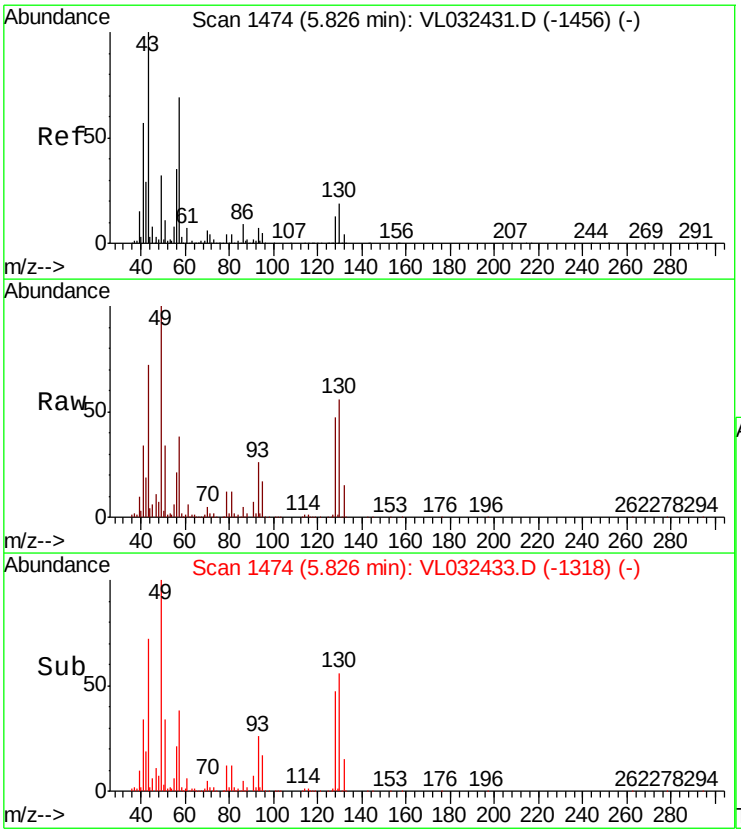
#25
Ethyl Acetate
Concen: 1.108 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 464202

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.0	12.0
61	9.3	7.6	11.4
70	7.0	5.8	8.8

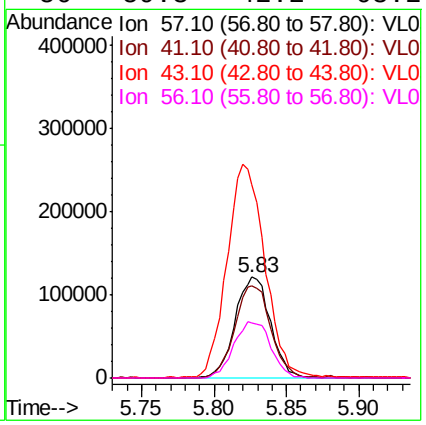


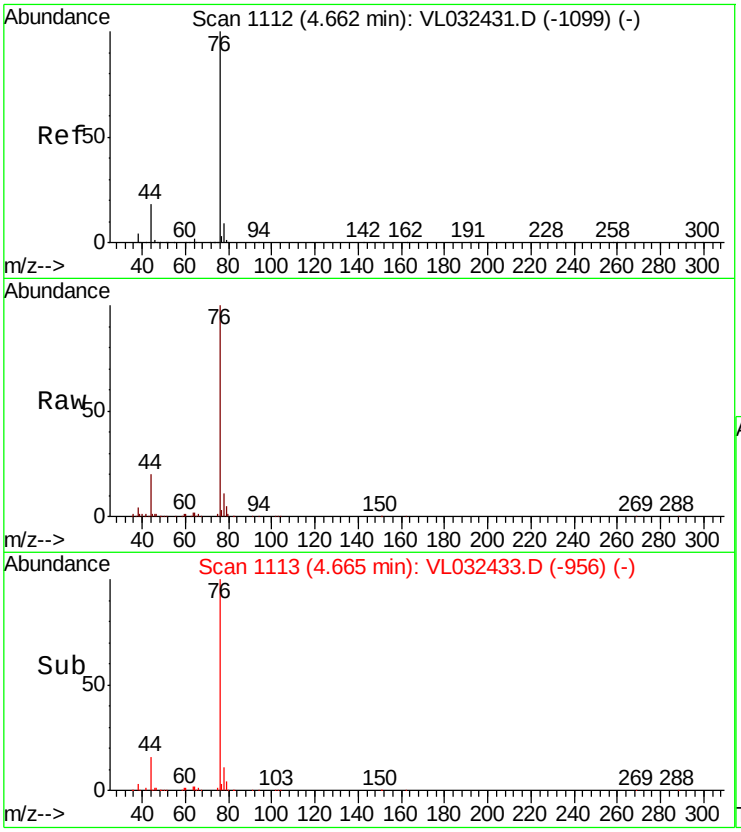


#26
Hexane
Concen: 1.088 ppbv
RT: 5.83 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 57 Resp: 204305

Ion	Ratio	Lower	Upper
57	100		
41	94.6	68.4	102.6
43	228.7	172.6	258.8
56	59.3	42.2	63.2



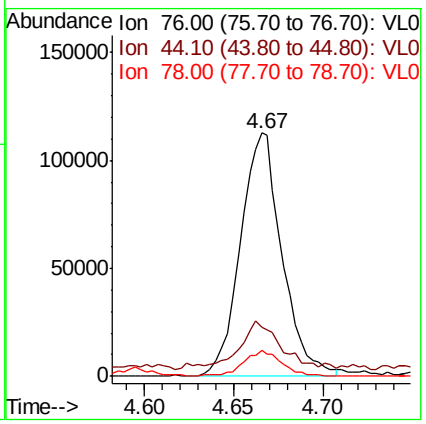


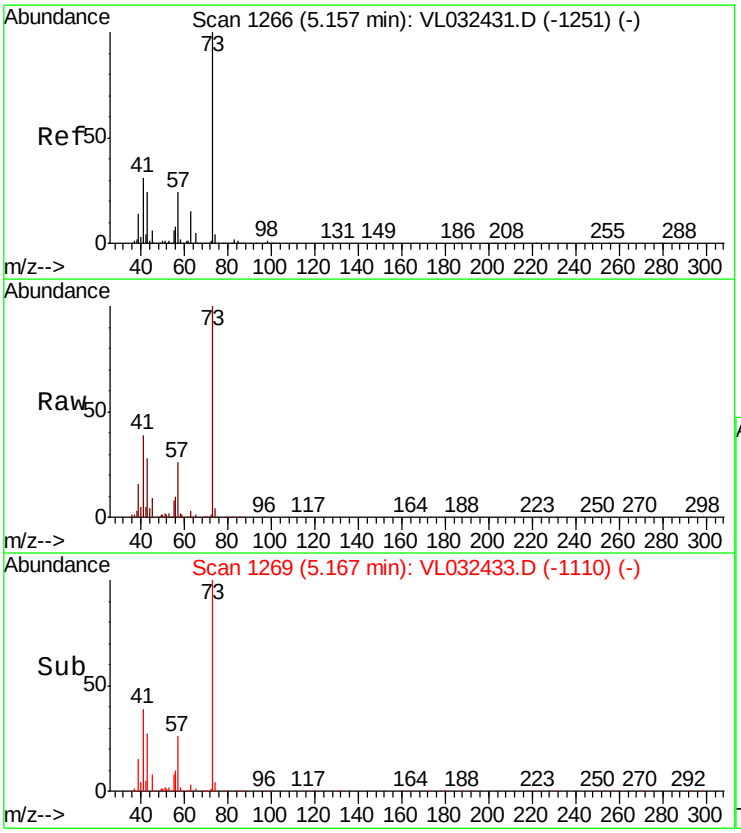
#27
Carbon Disulfide
Concen: 1.019 ppbv
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 183702

Ion	Ratio	Lower	Upper
76	100		
44	24.5	14.0	21.0#
78	10.2	7.5	11.3

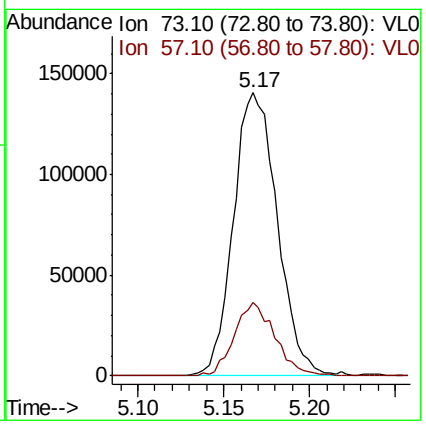


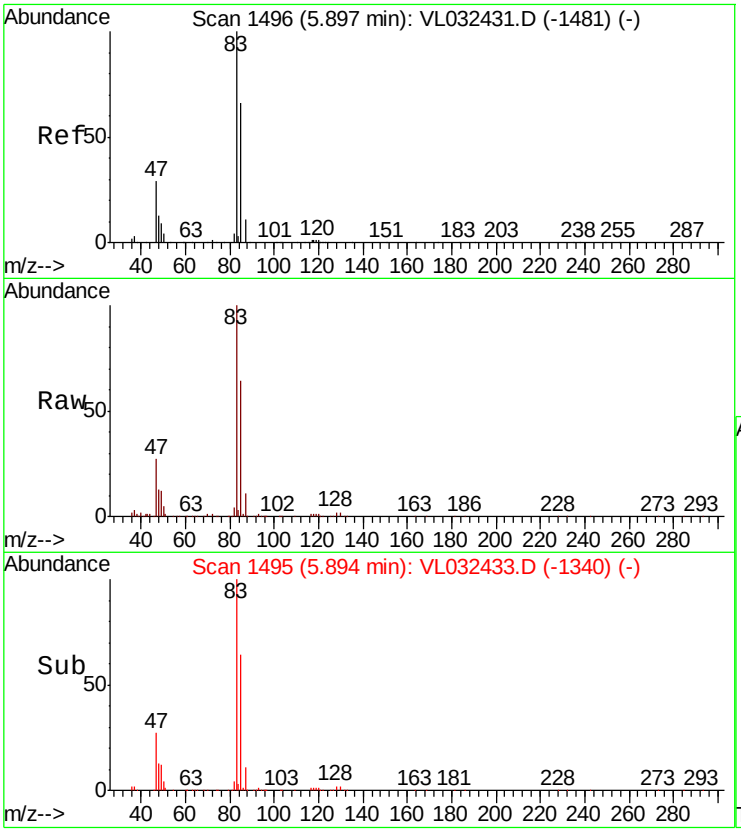


#28
Methyl tert-Butyl Ether
Concen: 1.071 ppbv
RT: 5.17 min Scan# 1269
Delta R.T. 0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 73 Resp: 248033

Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.3	28.9



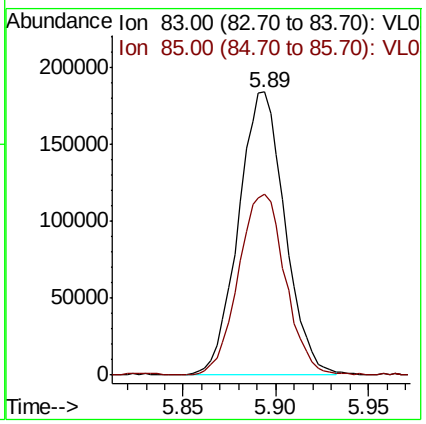


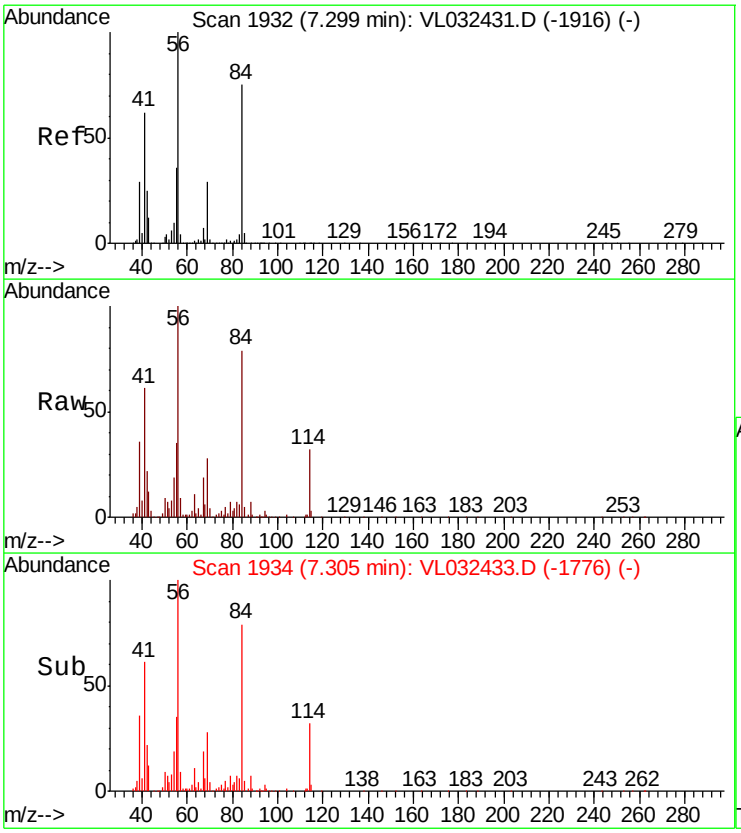
#29
Chloroform
Concen: 1.092 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 316748

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7

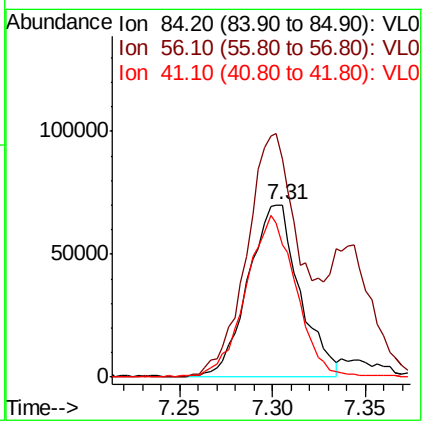


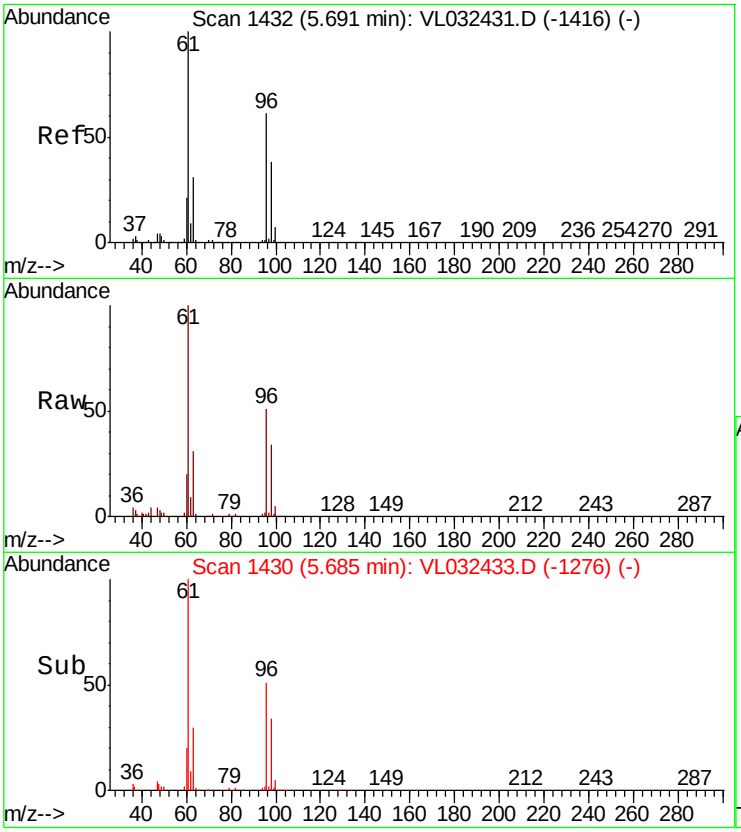


#30
Cyclohexane
Concen: 0.979 ppbv
RT: 7.31 min Scan# 1934
Delta R.T. 0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 84 Resp: 135830

Ion	Ratio	Lower	Upper
84	100		
56	143.2	113.5	170.3
41	92.2	68.0	102.0



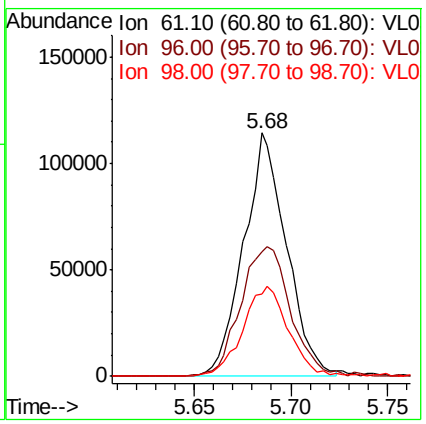


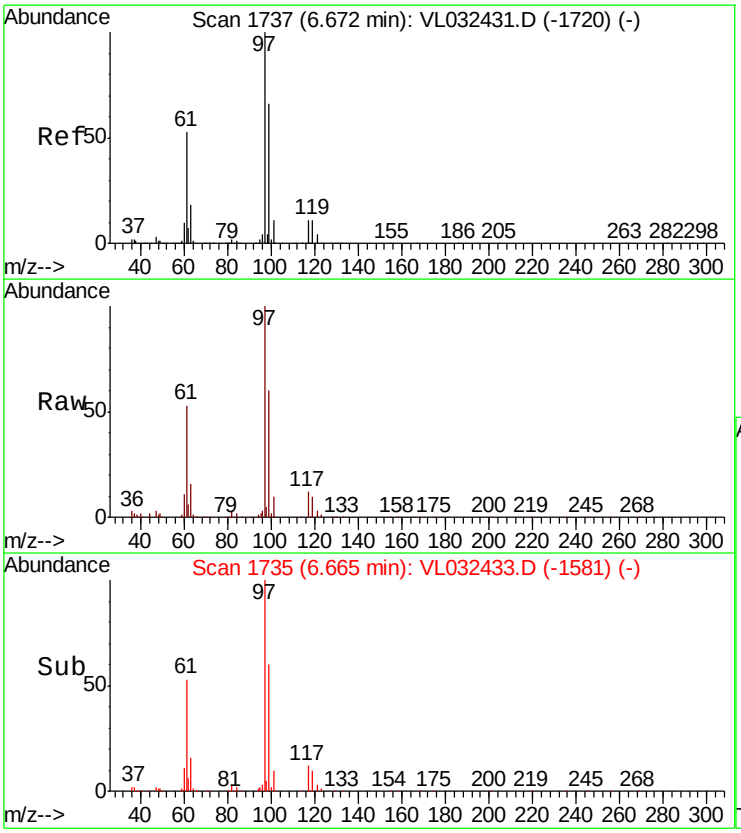
#31
cis-1,2-Dichloroethene
Concen: 1.030 ppbv
RT: 5.68 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 176567

Ion	Ratio	Lower	Upper
61	100		
96	51.1	49.2	73.8
98	34.0	30.7	46.1

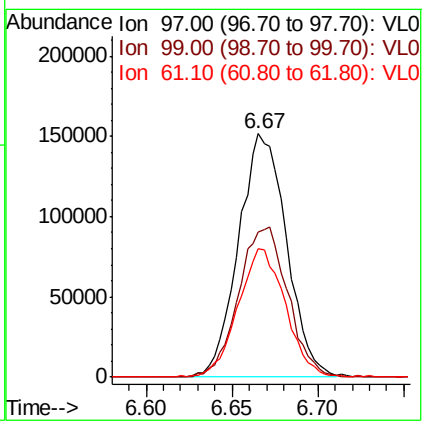


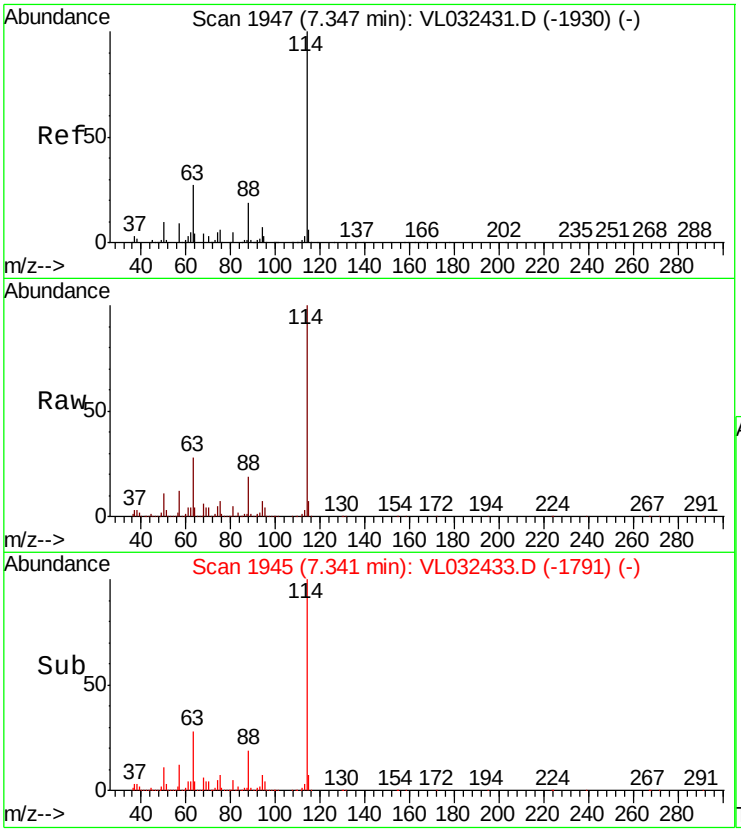


#32
1,1,1-Trichloroethane
Concen: 1.170 ppbv
RT: 6.67 min Scan# 1735
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 97 Resp: 293097

Ion	Ratio	Lower	Upper
97	100		
99	63.1	52.1	78.1
61	52.4	42.6	64.0



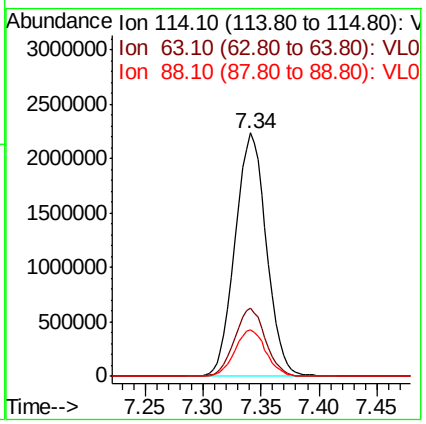


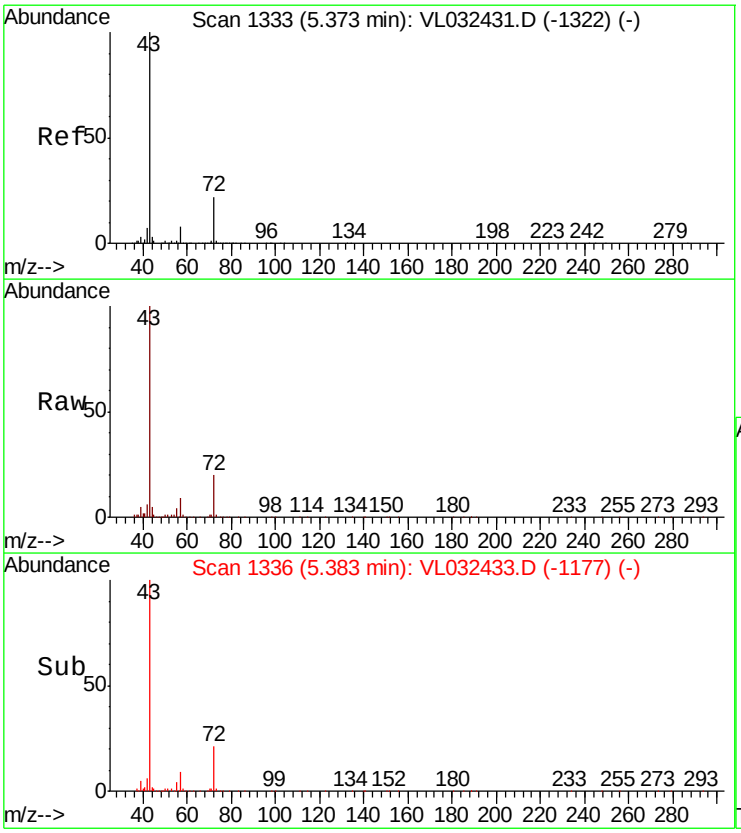
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 4190563

Ion	Ratio	Lower	Upper
114	100		
63	27.7	22.1	33.1
88	18.9	15.0	22.6

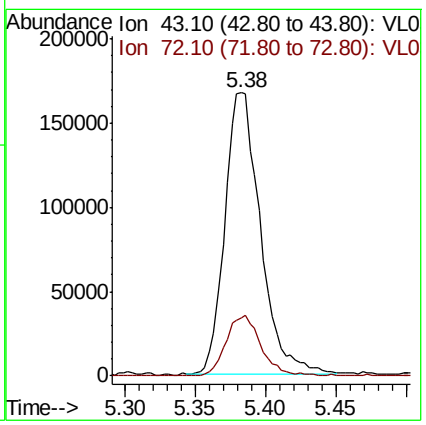


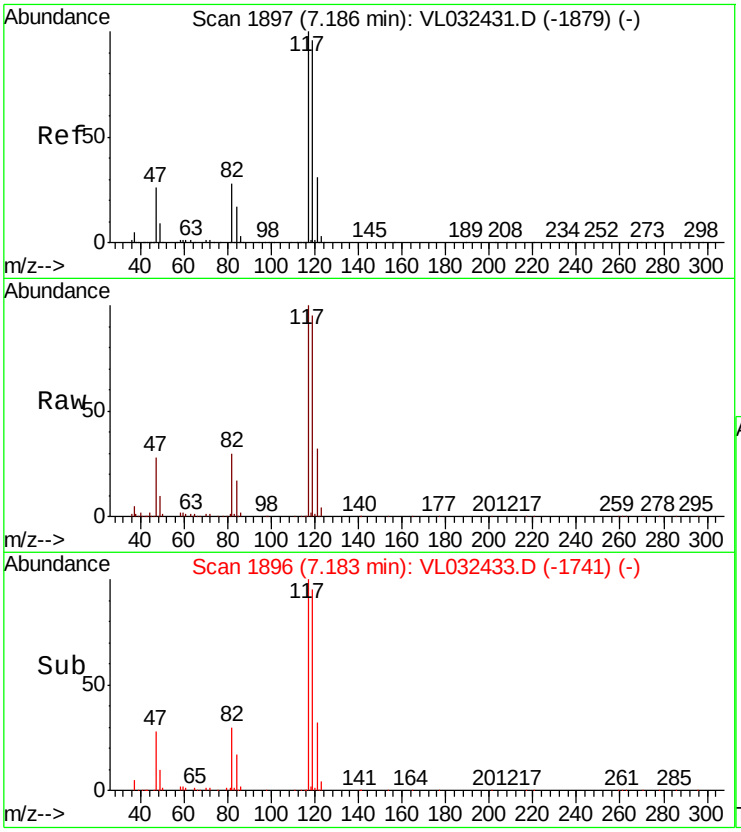


#34
2-Butanone
Concen: 1.114 ppbv
RT: 5.38 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 43 Resp: 297214

Ion	Ratio	Lower	Upper
43	100		
72	21.0	17.8	26.6



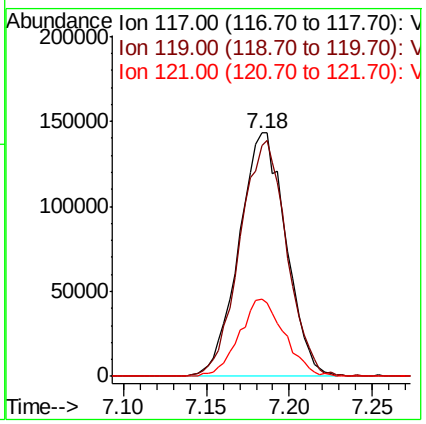


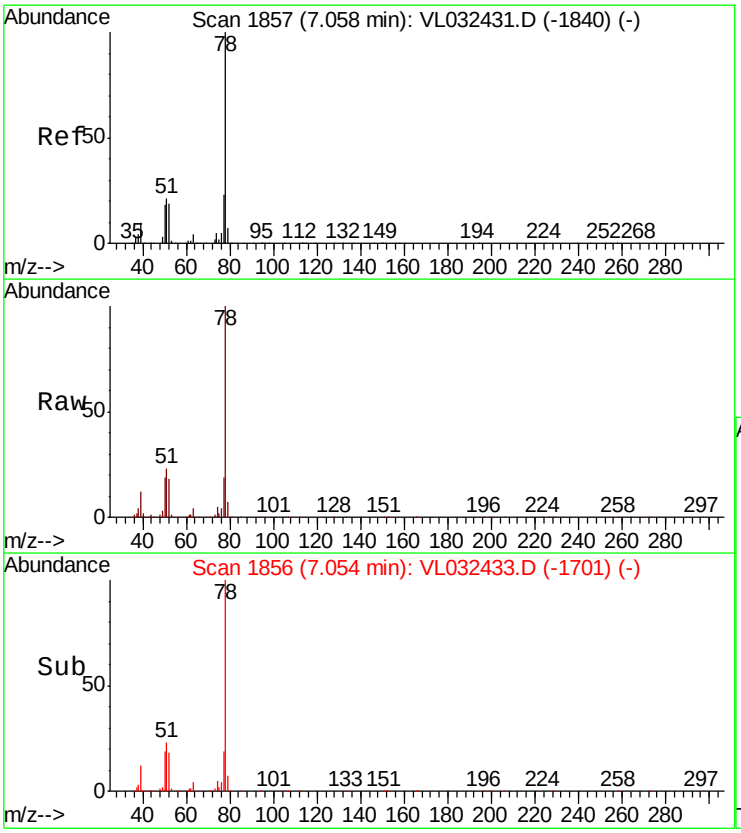
#35
Carbon Tetrachloride
Concen: 1.093 ppbv
RT: 7.18 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 283756

Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.6	115.0
121	31.5	24.6	36.8

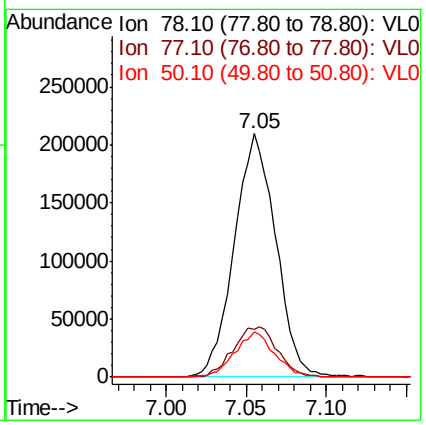


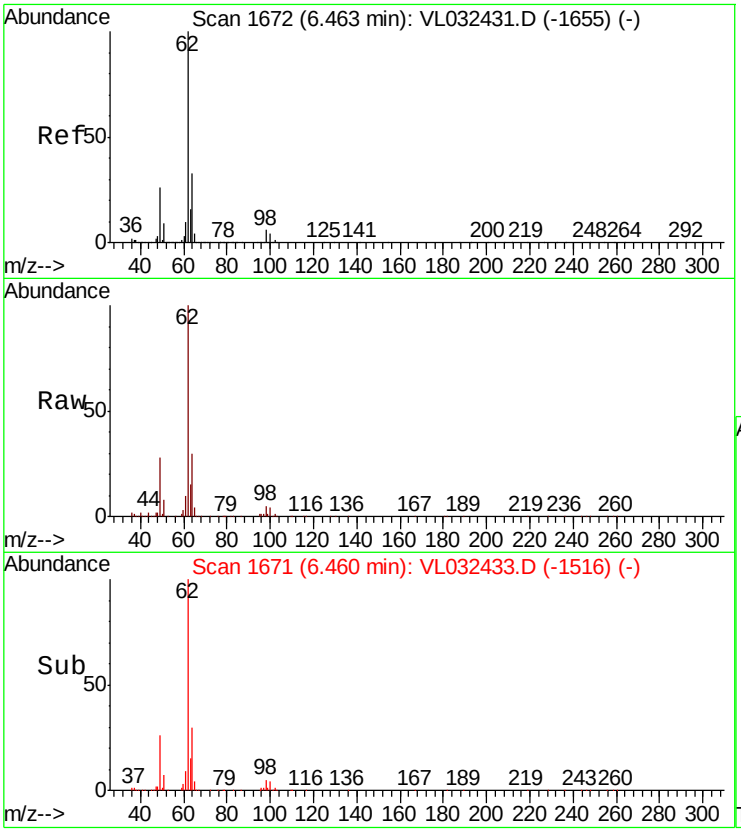


#36
Benzene
Concen: 1.066 ppbv
RT: 7.05 min Scan# 1856
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 78 Resp: 369721

Ion	Ratio	Lower	Upper
78	100		
77	19.2	18.4	27.6
50	18.8	14.4	21.6



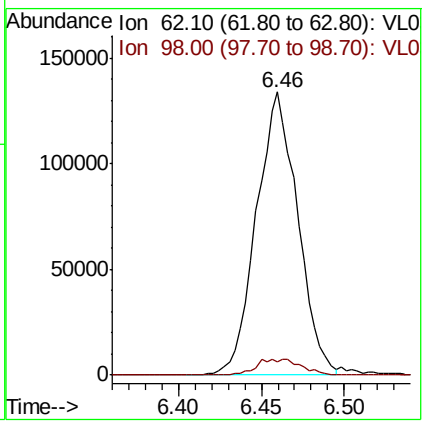


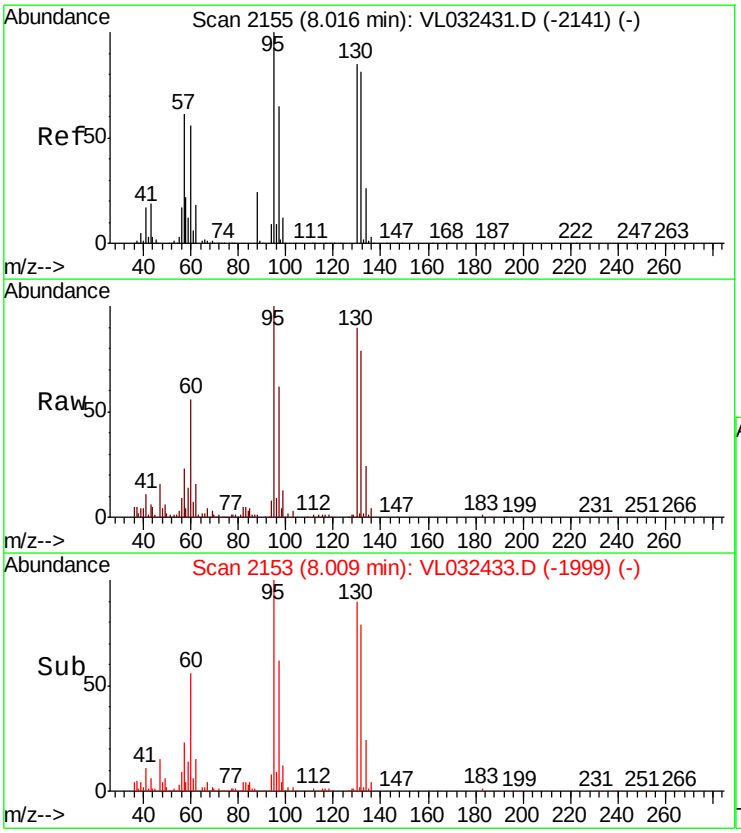
#37
1,2-Dichloroethane
Concen: 1.078 ppbv
RT: 6.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 231771

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.0	7.6

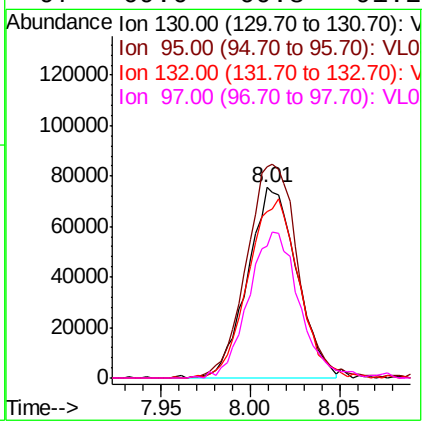


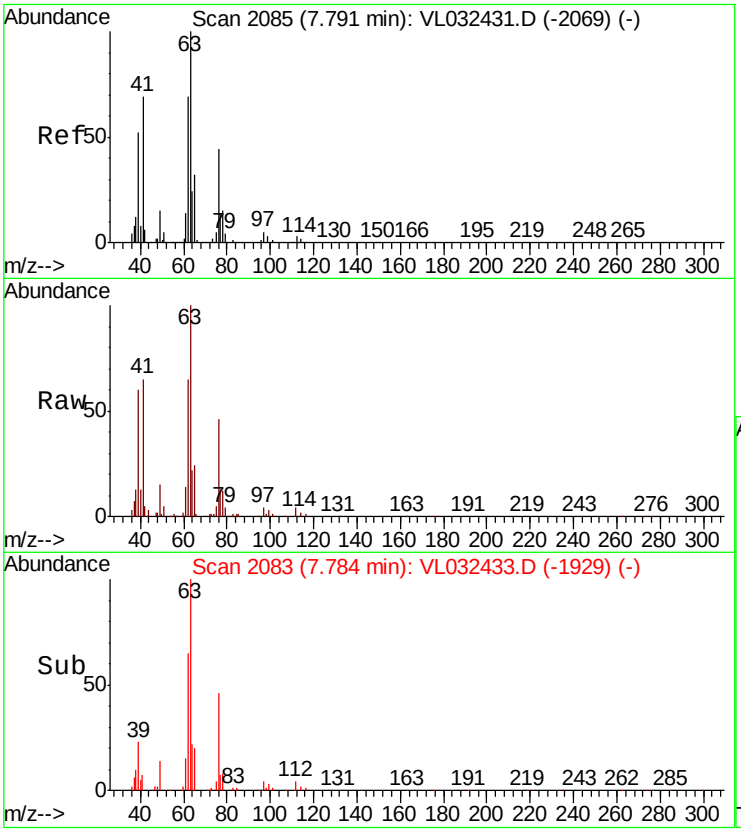


#38
Trichloroethene
Concen: 1.258 ppbv
RT: 8.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:130 Resp: 145807

Ion	Ratio	Lower	Upper
130	100		
95	110.7	94.2	141.4
132	87.2	76.2	114.4
97	69.0	60.8	91.2



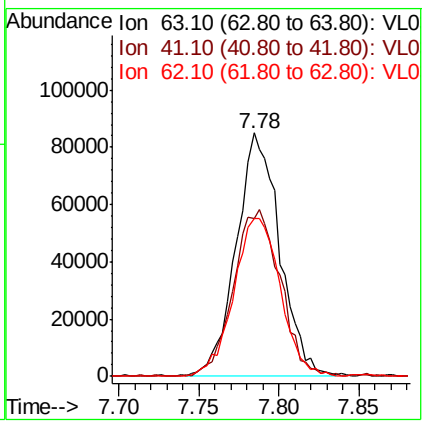


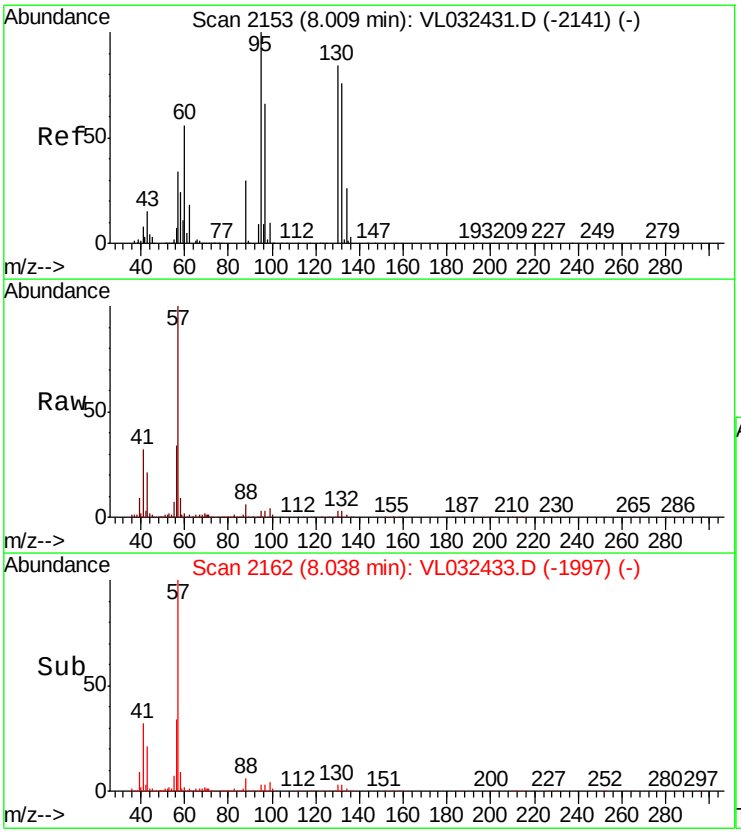
#39
1,2-Dichloropropane
Concen: 1.071 ppbv
RT: 7.78 min Scan# 2083
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 156142

Ion	Ratio	Lower	Upper
63	100		
41	64.2	55.4	83.0
62	64.8	55.4	83.0

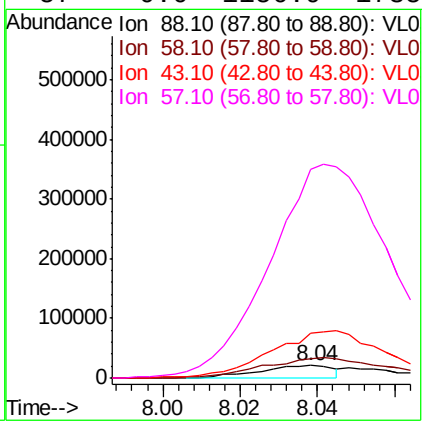


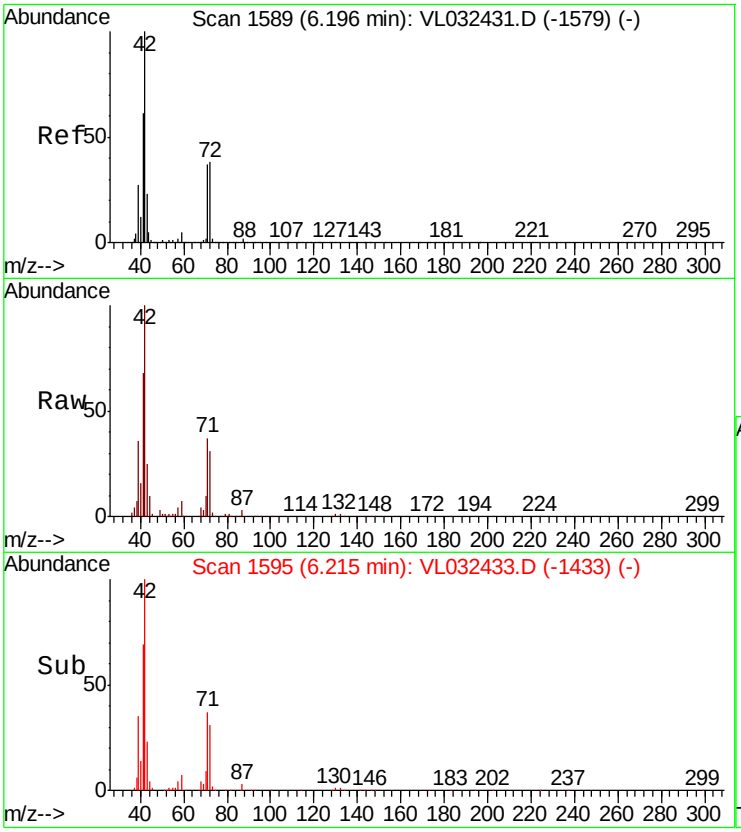


#40
1,4-Dioxane
Concen: 0.613 ppbv
RT: 8.04 min Scan# 2162
Delta R.T. 0.03 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 88 Resp: 26623

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



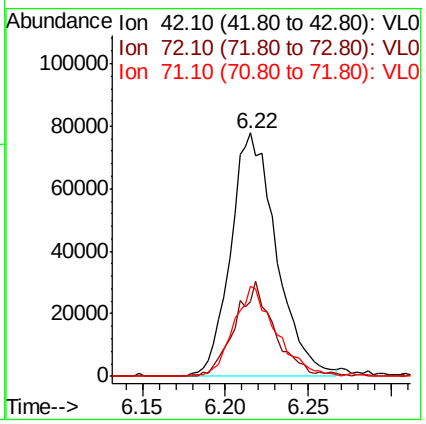


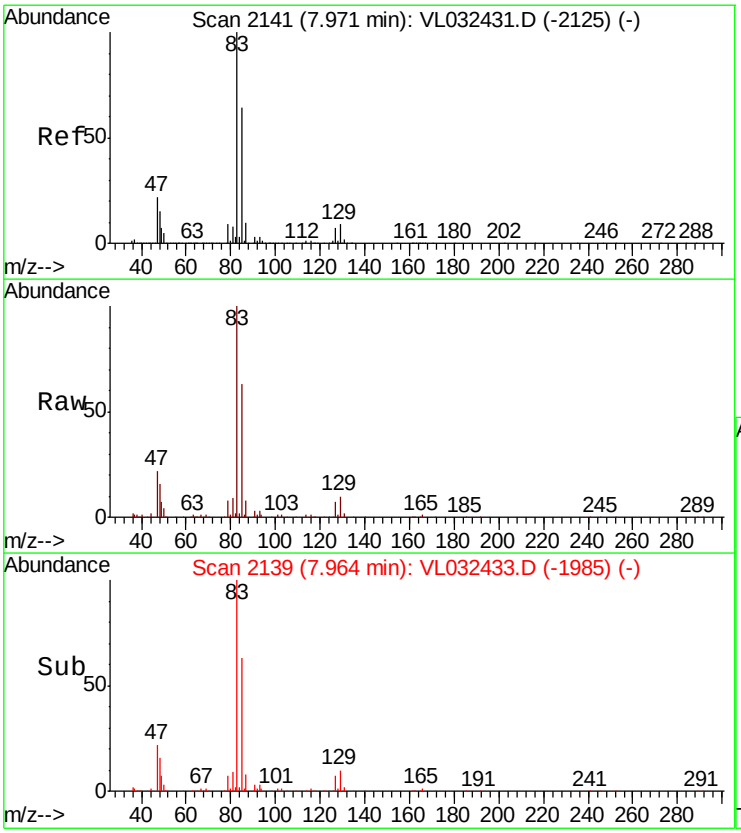
#41
Tetrahydrofuran
Concen: 1.045 ppbv
RT: 6.22 min Scan# 1595
Delta R.T. 0.02 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 149221

Ion	Ratio	Lower	Upper
42	100		
72	34.0	29.5	44.3
71	34.6	28.3	42.5

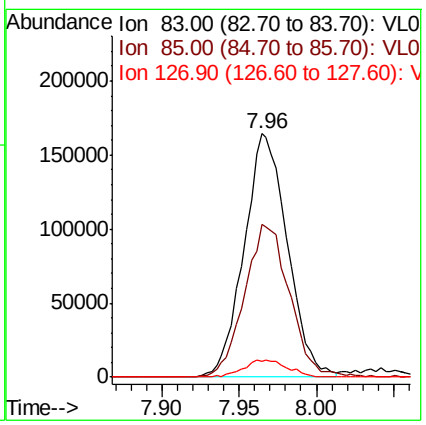


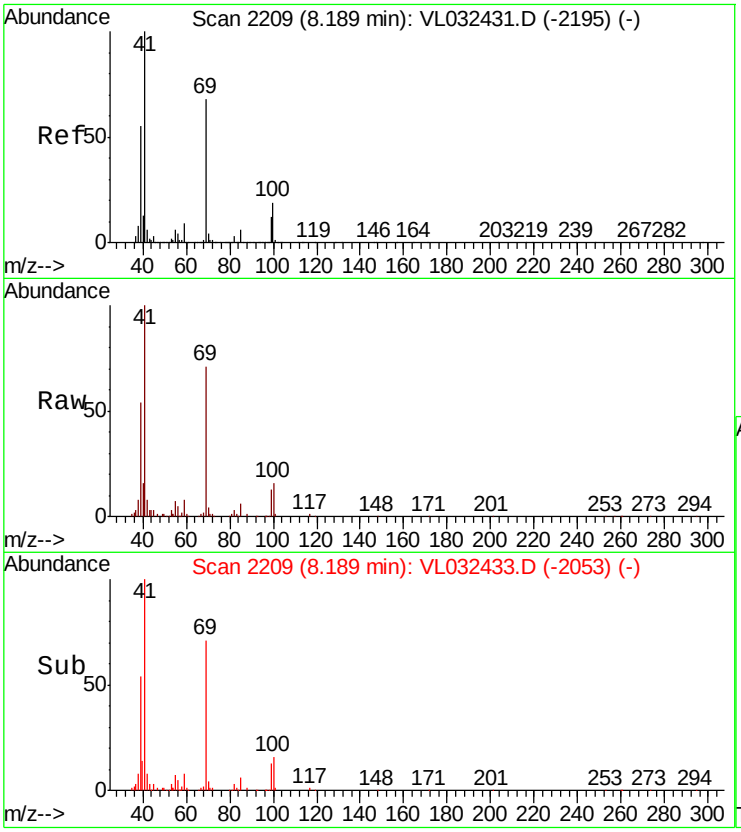


#42
Bromodichloromethane
Concen: 1.090 ppbv
RT: 7.96 min Scan# 2139
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 83 Resp: 320131

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.1	76.7
127	6.7	5.8	8.8



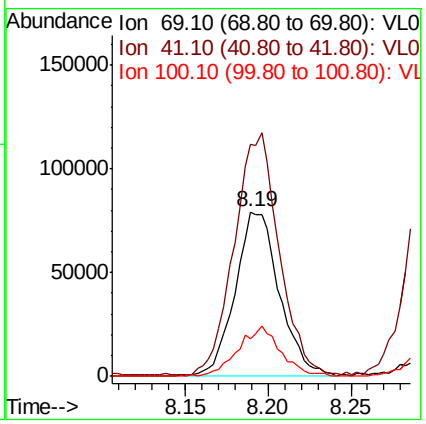


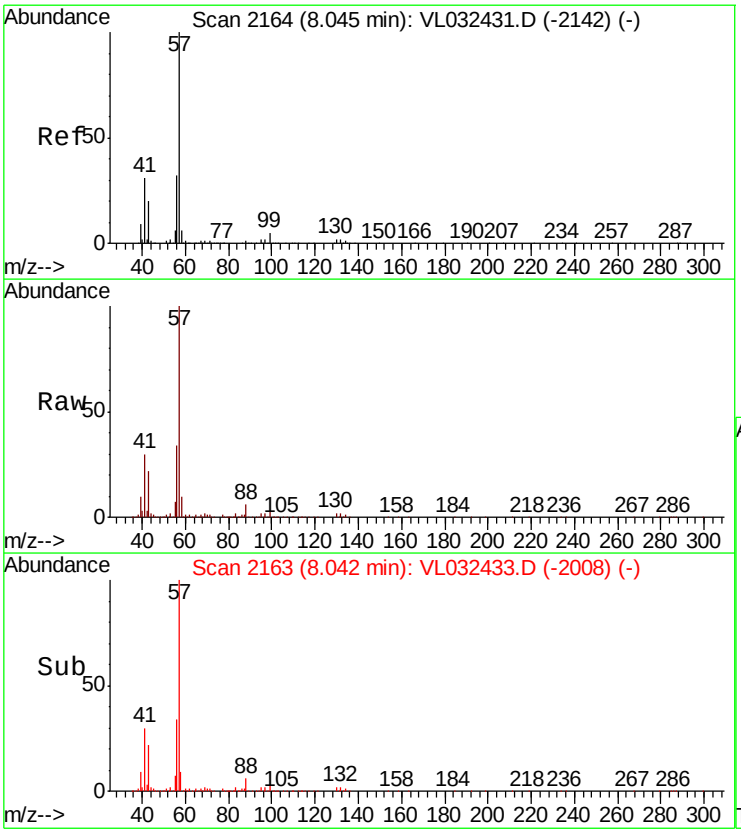
#43
Methyl Methacrylate
Concen: 1.021 ppbv
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 69 Resp: 145894

Ion	Ratio	Lower	Upper
69	100		
41	150.8	117.2	175.8
100	29.2	23.4	35.2

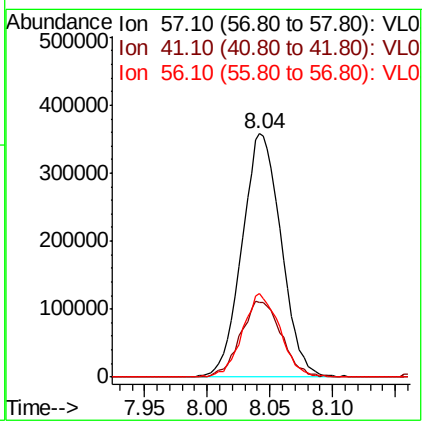


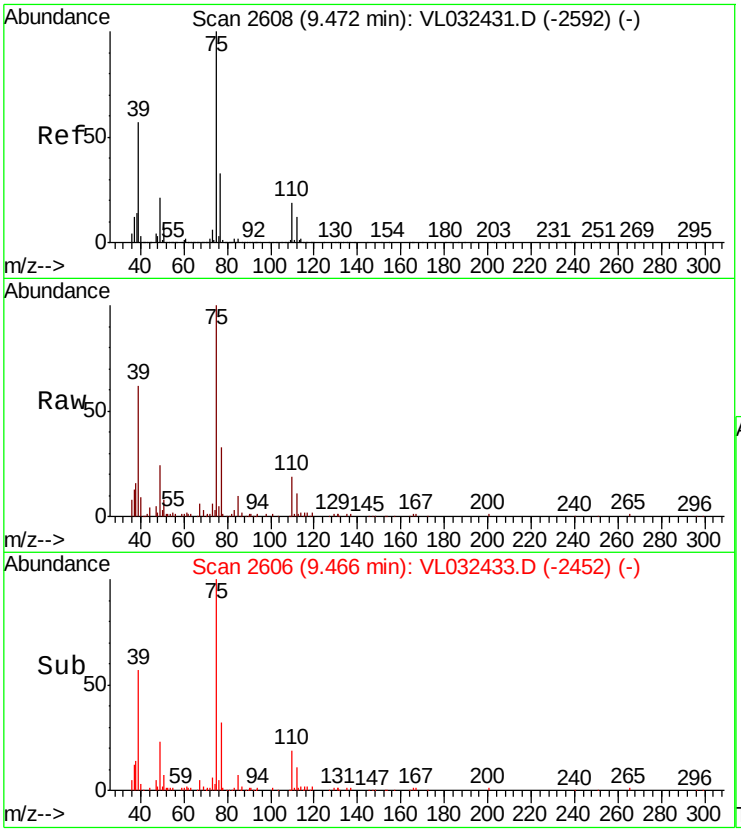


#44
2,2,4-Trimethylpentane
Concen: 1.201 ppbv
RT: 8.04 min Scan# 2163
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 57 Resp: 777653

Ion	Ratio	Lower	Upper
57	100		
41	32.8	24.3	36.5
56	33.0	25.7	38.5



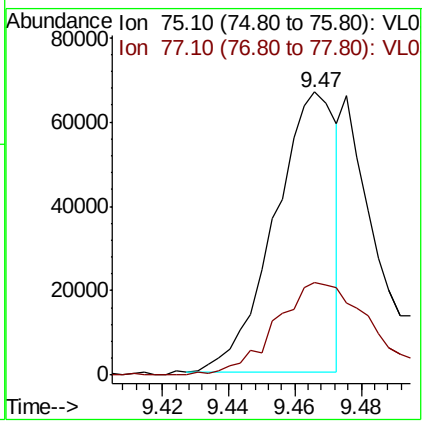


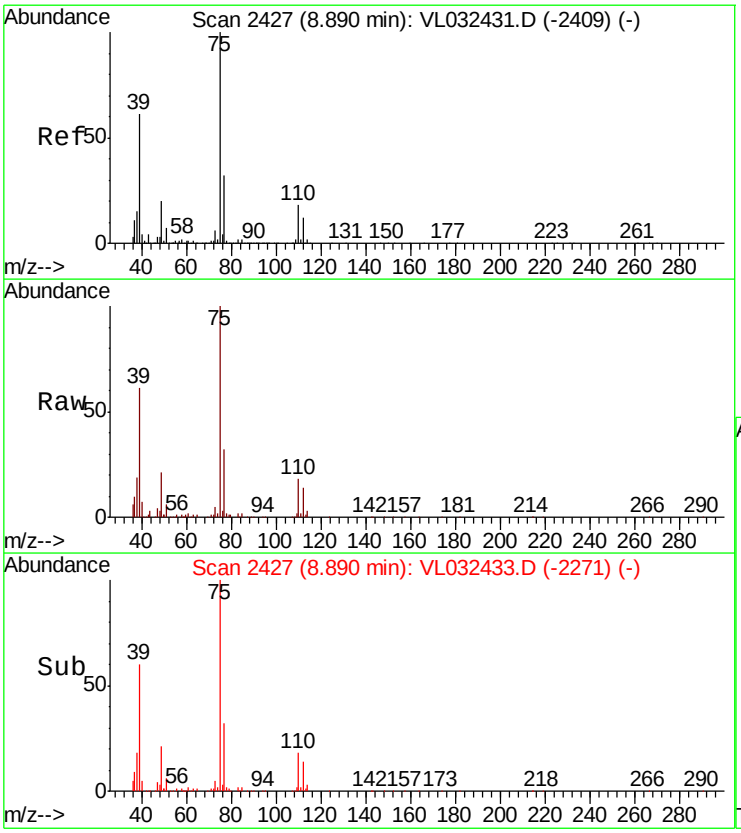
#45
t-1,3-Dichloropropene
Concen: 0.504 ppbv
RT: 9.47 min Scan# 2606
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 85651

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.2	39.2

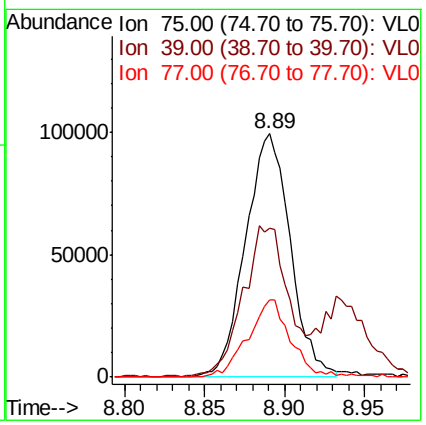


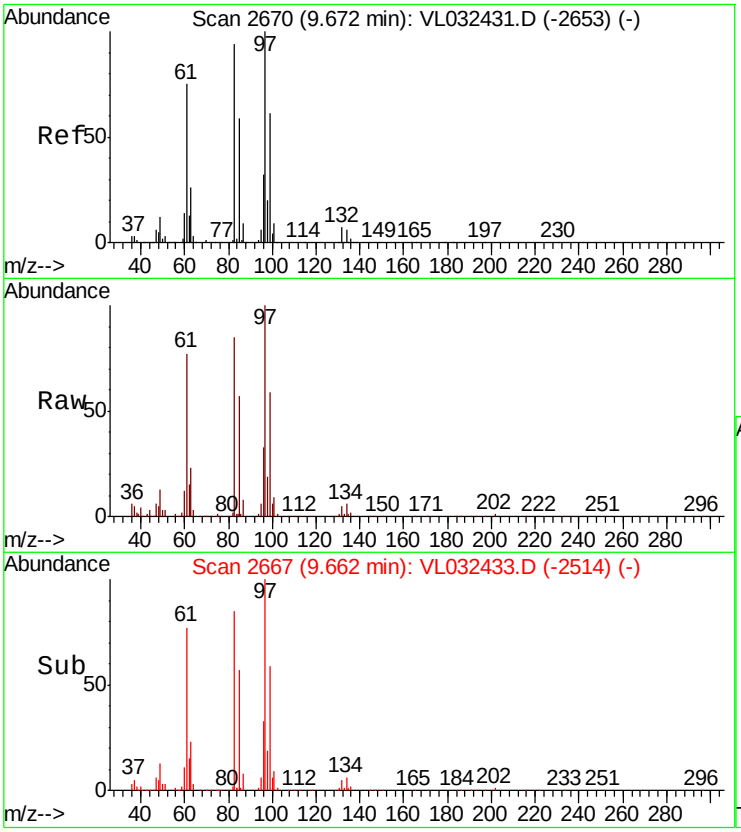


#46
cis-1,3-Dichloropropene
Concen: 0.922 ppbv
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 75 Resp: 191549

Ion	Ratio	Lower	Upper
75	100		
39	60.4	48.9	73.3
77	31.7	25.4	38.0



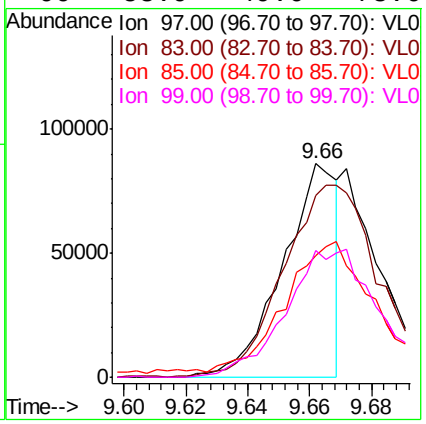


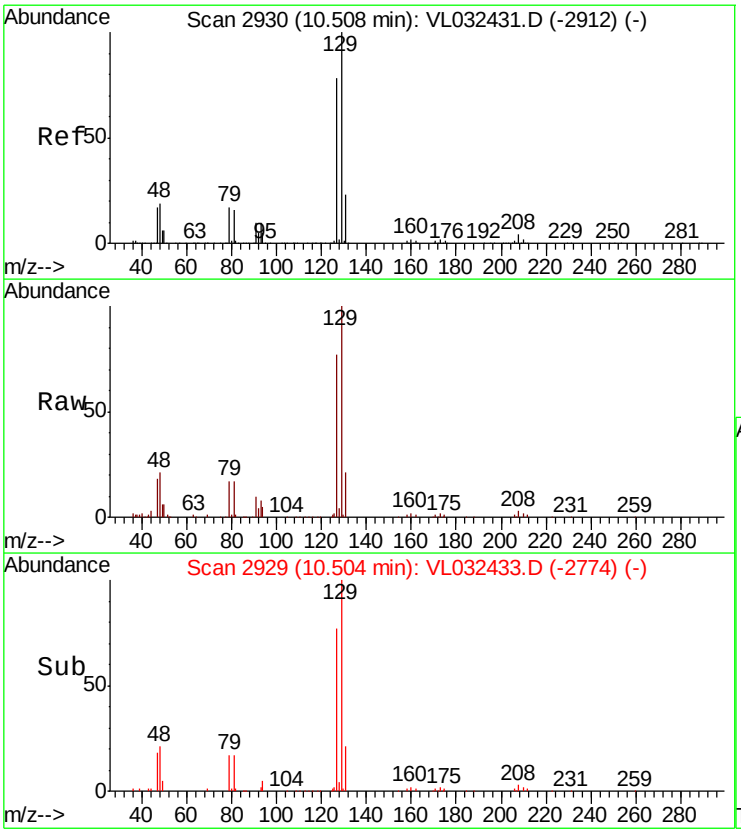
#47
1,1,2-Trichloroethane
Concen: 0.671 ppbv
RT: 9.66 min Scan# 2667
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 104717

Ion	Ratio	Lower	Upper
97	100		
83	85.0	75.0	112.4
85	53.7	47.5	71.3
99	58.9	49.0	73.6

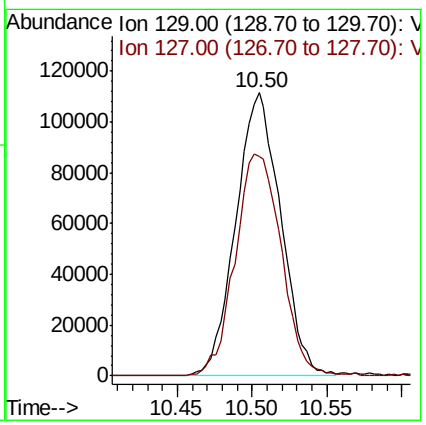


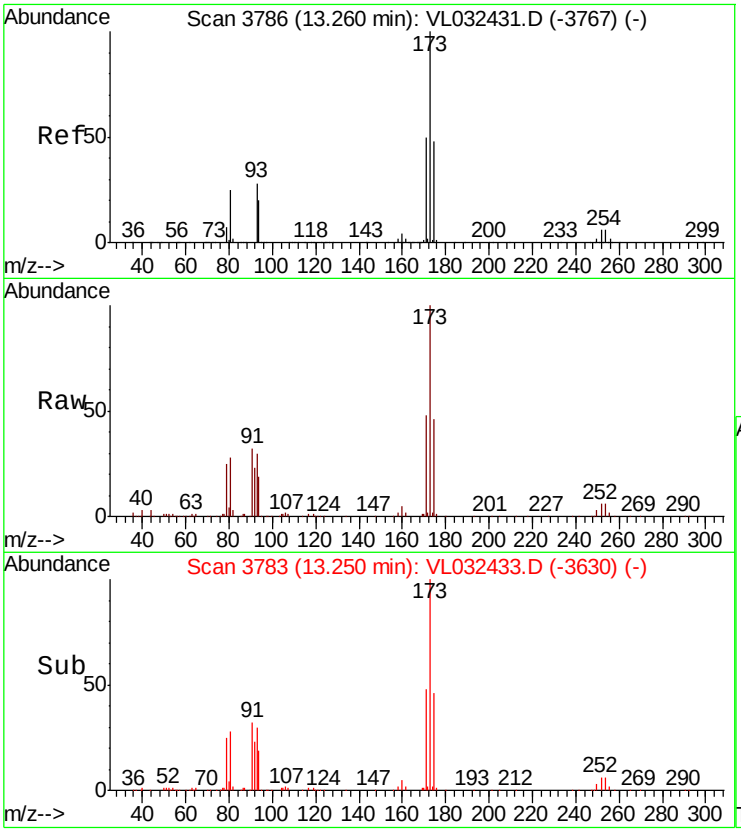


#48
Dibromochloromethane
Concen: 1.057 ppbv
RT: 10.50 min Scan# 2929
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:129 Resp: 232312

Ion	Ratio	Lower	Upper
129	100		
127	81.0	39.5	118.3



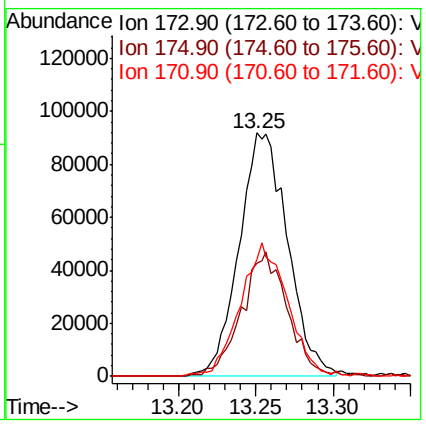


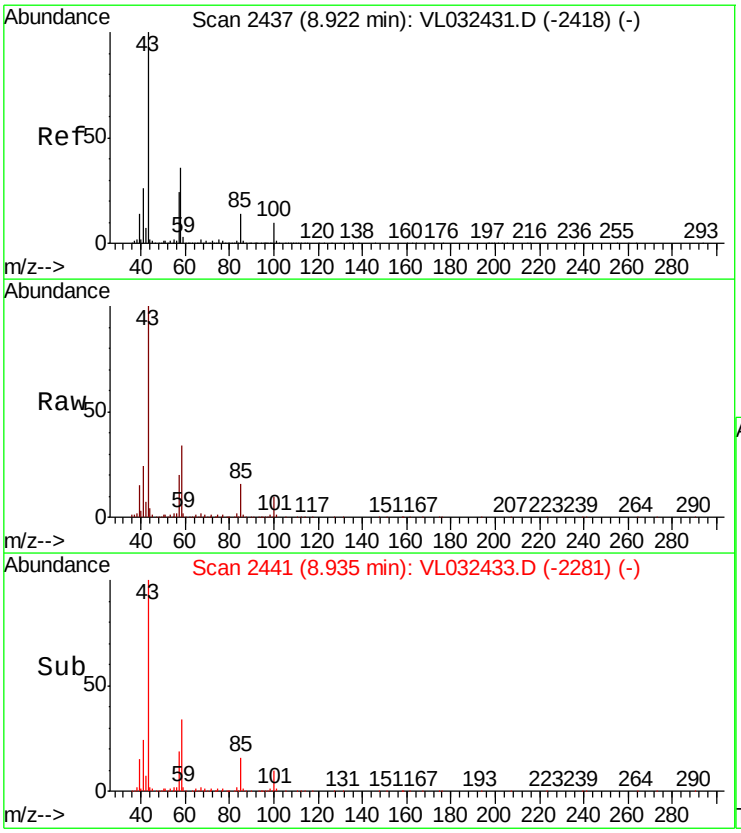
#49
Bromoform
Concen: 1.036 ppbv
RT: 13.25 min Scan# 3783
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 200073

Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.9	58.3
171	54.0	41.6	62.4

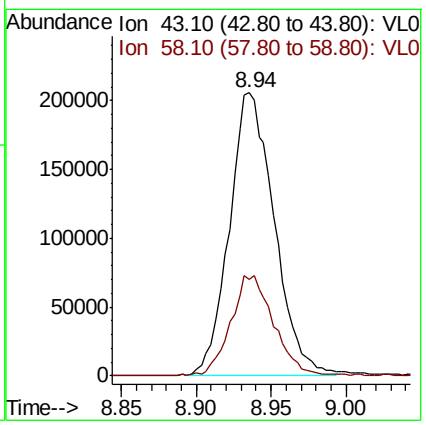


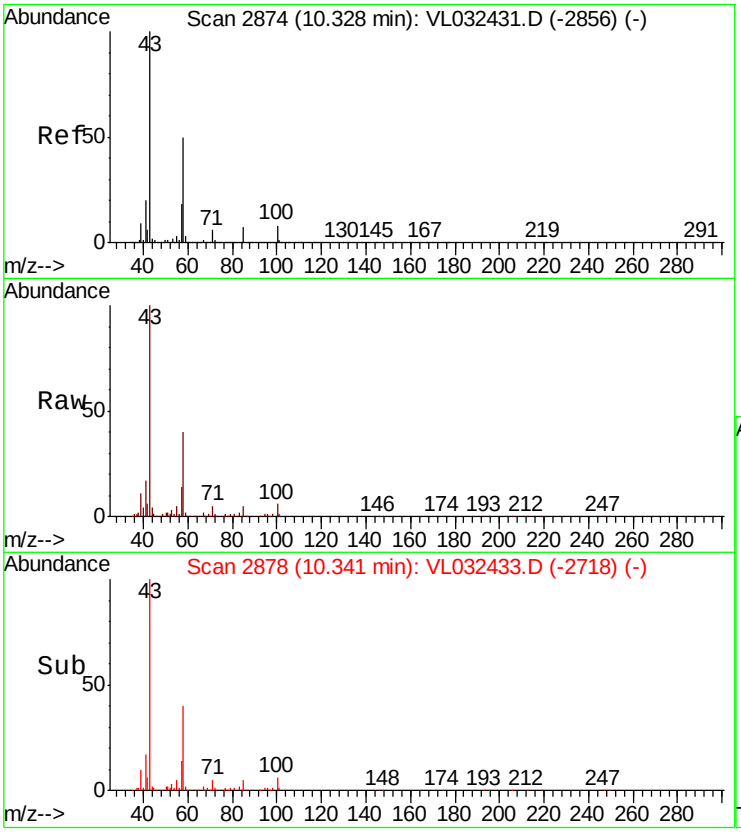


#50
4-Methyl-2-Pentanone
Concen: 1.029 ppbv
RT: 8.94 min Scan# 2441
Delta R.T. 0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 43 Resp: 425786

Ion	Ratio	Lower	Upper
43	100		
58	34.6	28.9	43.3



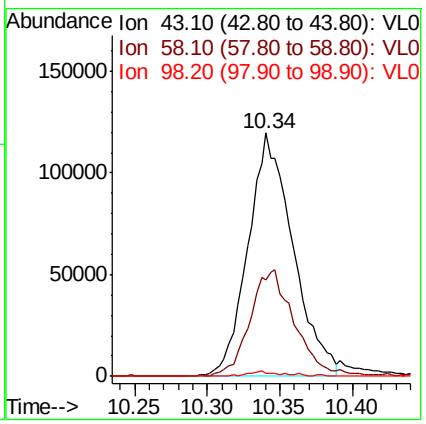


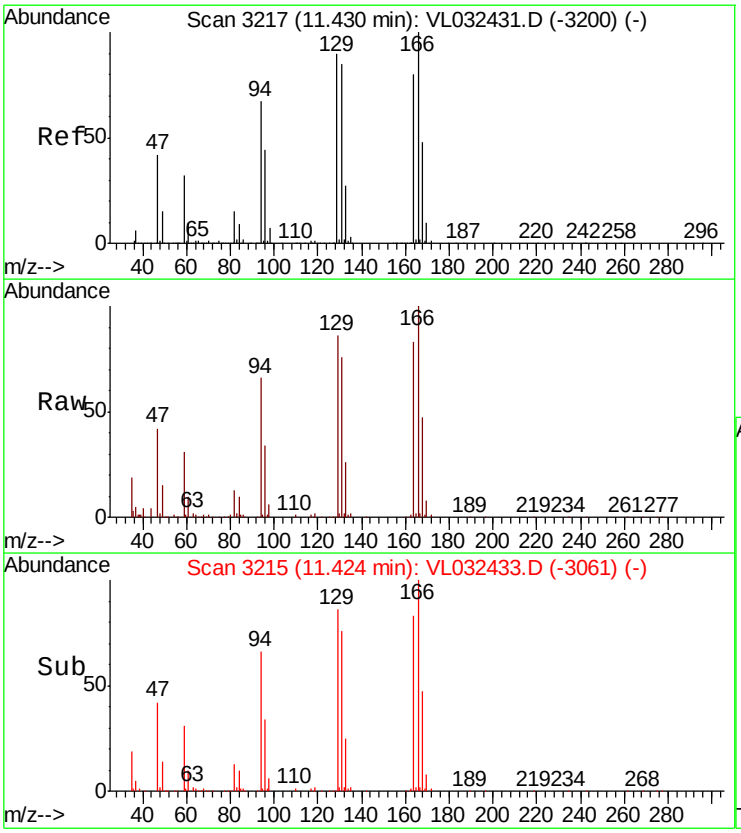
#51
2-Hexanone
Concen: 0.944 ppbv
RT: 10.34 min Scan# 2878
Delta R.T. 0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 258022

Ion	Ratio	Lower	Upper
43	100		
58	43.9	39.2	58.8
98	1.9	0.4	0.6#

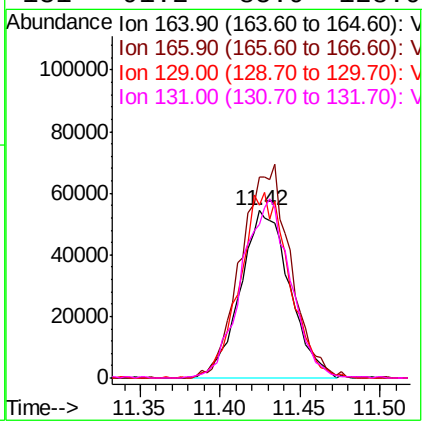


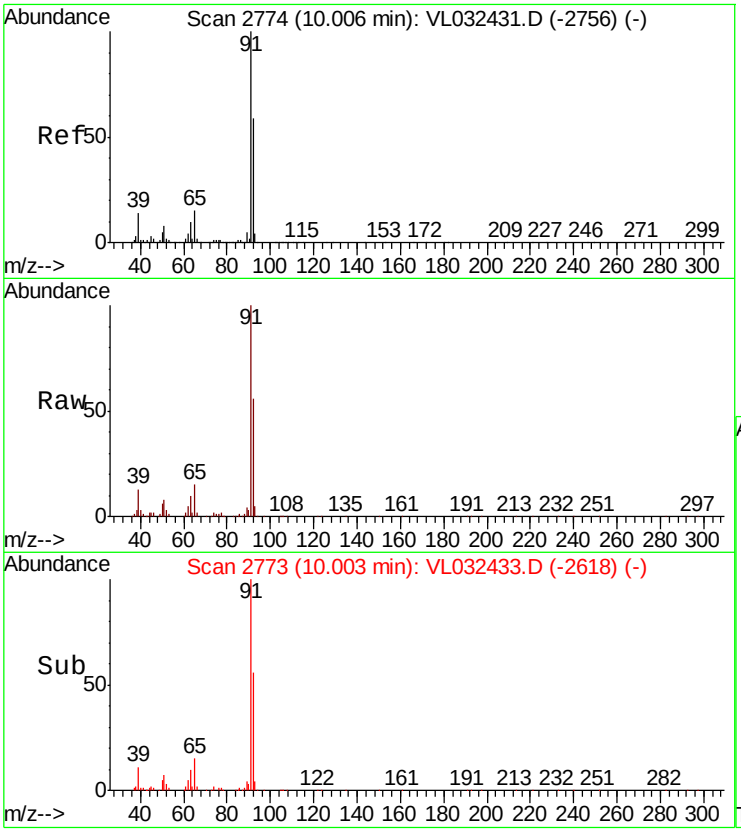


#52
Tetrachloroethene
Concen: 1.150 ppbv
RT: 11.42 min Scan# 3215
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:164 Resp: 114440

Ion	Ratio	Lower	Upper
164	100		
166	119.8	100.6	150.8
129	103.3	89.9	134.9
131	91.2	85.9	128.9



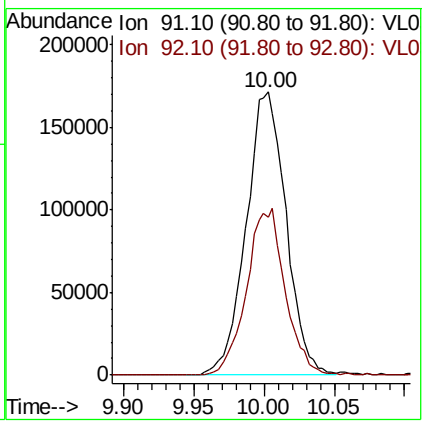


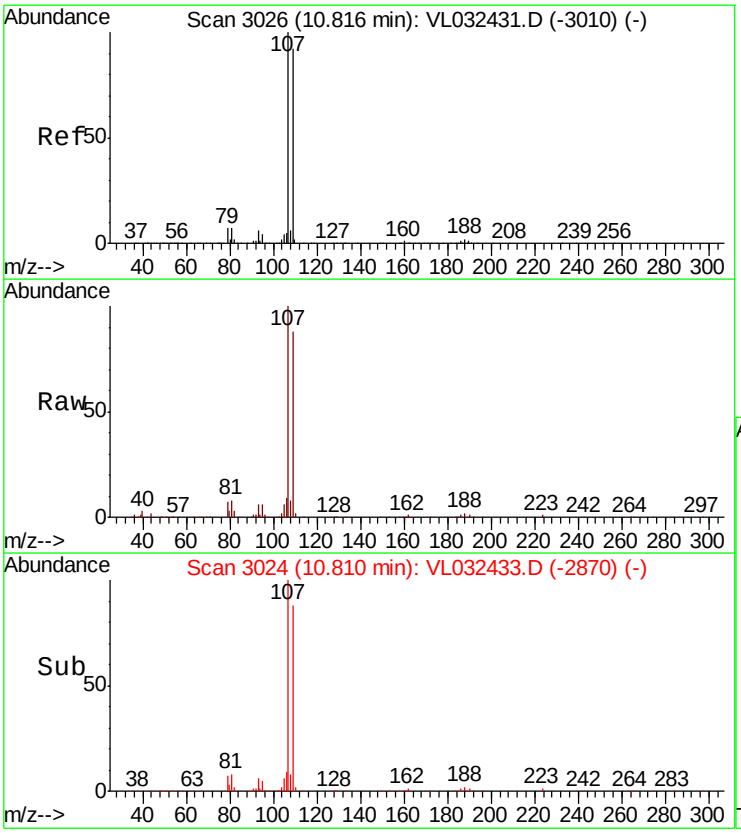
#53
Toluene
Concen: 0.933 ppbv
RT: 10.00 min Scan# 2773
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 339205

Ion	Ratio	Lower	Upper
91	100		
92	57.1	48.1	72.1

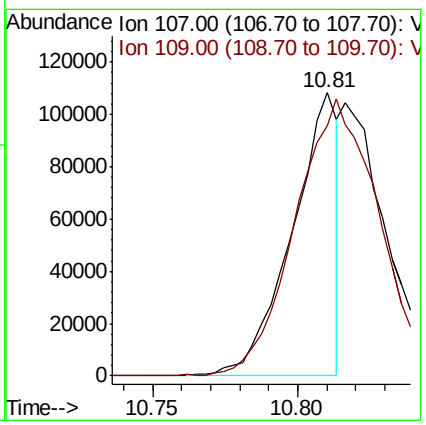


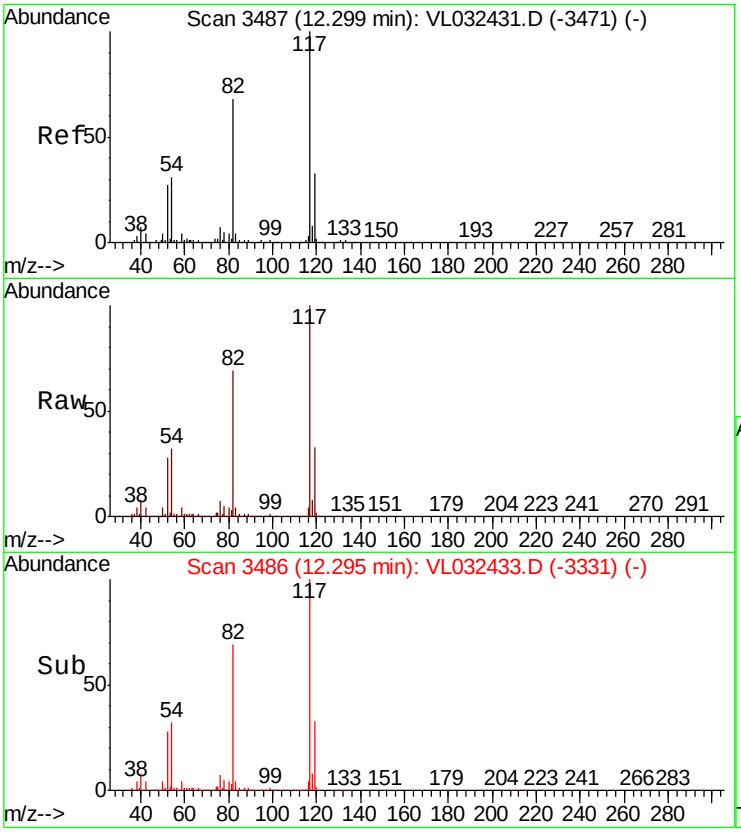


#54
1,2-Dibromoethane
Concen: 0.522 ppbv
RT: 10.81 min Scan# 3024
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:107 Resp: 117565

Ion	Ratio	Lower	Upper
107	100		
109	87.9	73.9	110.9



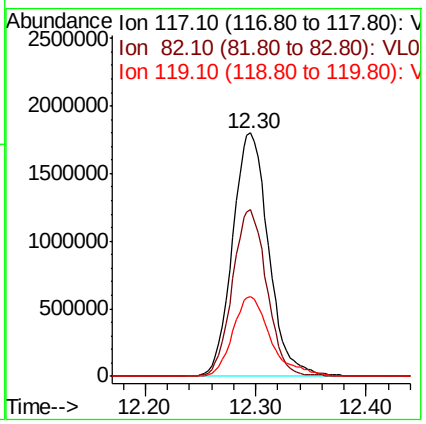


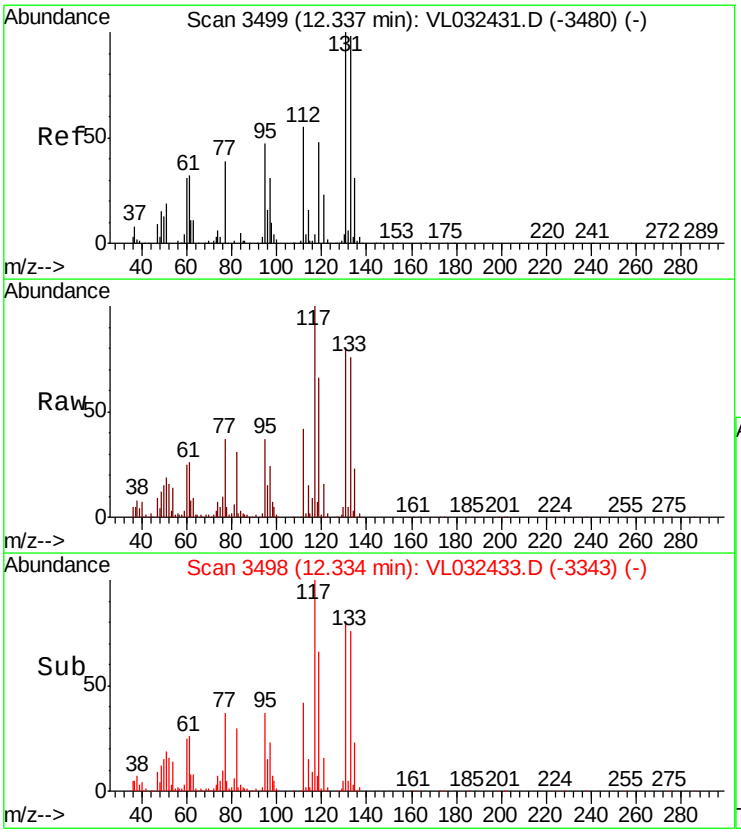
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.30 min Scan# 3486
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 4074396

Ion	Ratio	Lower	Upper
117	100		
82	65.3	51.5	77.3
119	34.5	44.6	66.8#

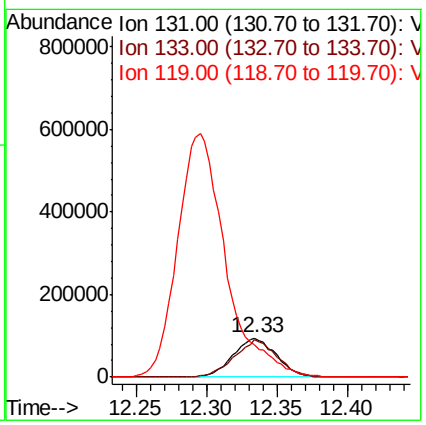


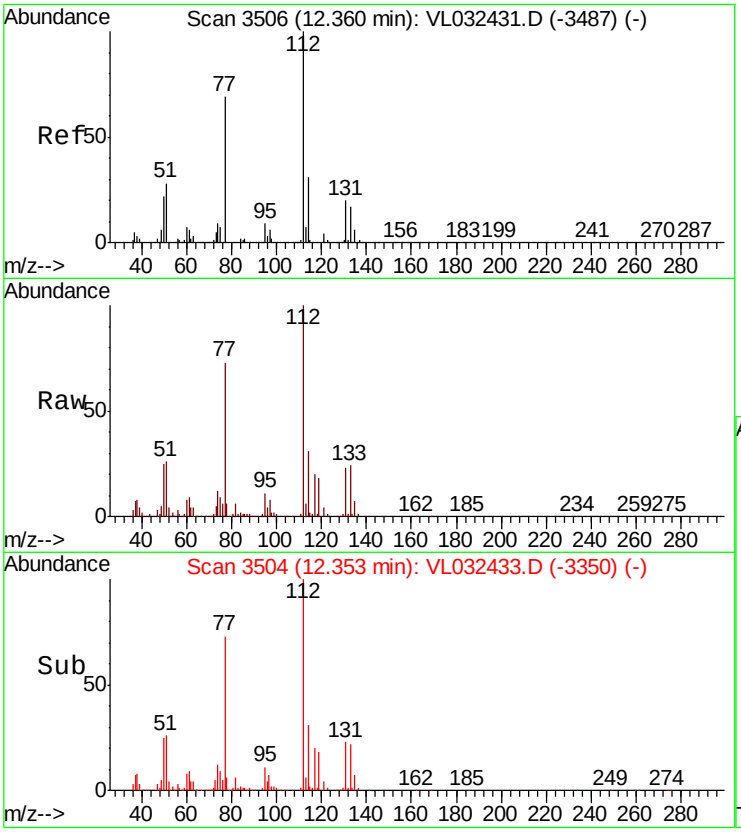


#56
1,1,1,2-Tetrachloroethane
Concen: 1.161 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:131 Resp: 203549

Ion	Ratio	Lower	Upper
131	100		
133	94.3	77.0	115.4
119	690.9	48.9	73.3#



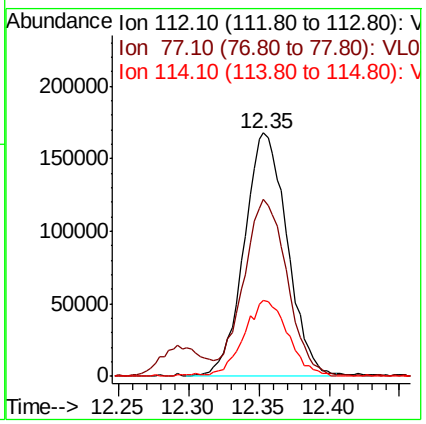


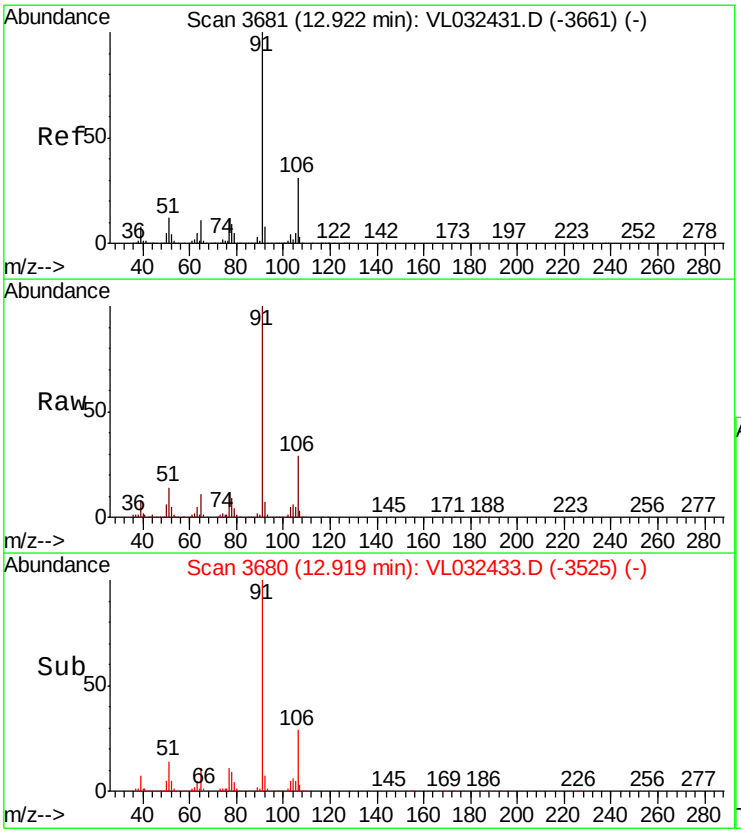
#57
Chlorobenzene
Concen: 1.147 ppbv
RT: 12.35 min Scan# 3504
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 358077

Ion	Ratio	Lower	Upper
112	100		
77	71.8	56.1	84.1
114	30.6	27.8	34.0

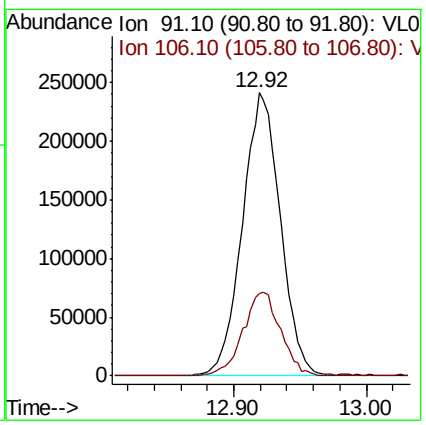


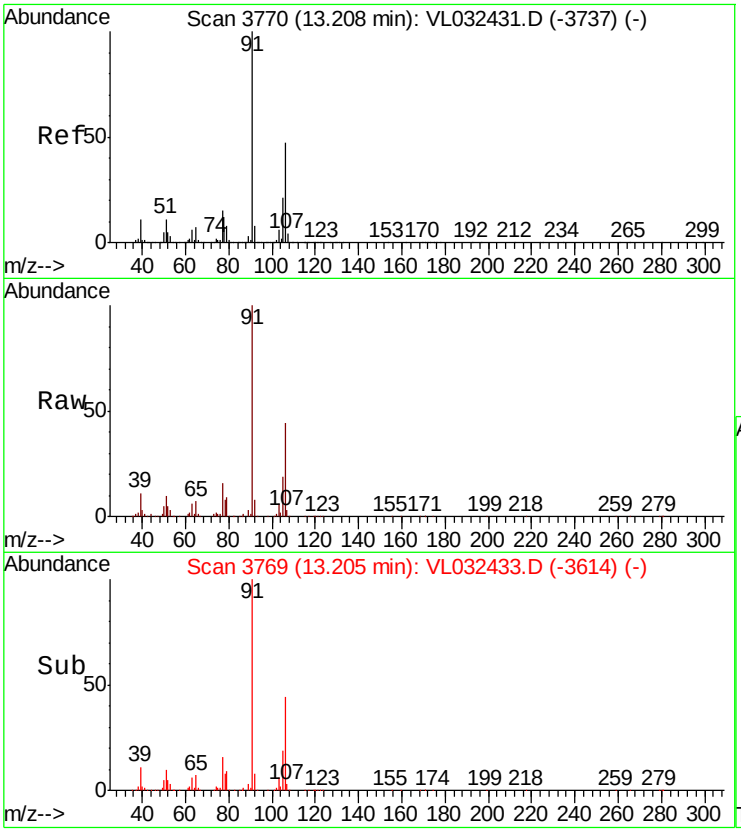


#58
Ethyl Benzene
Concen: 1.033 ppbv
RT: 12.92 min Scan# 3680
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 91 Resp: 479945

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.8	37.2



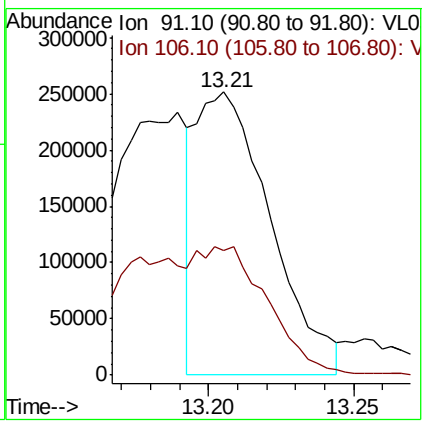


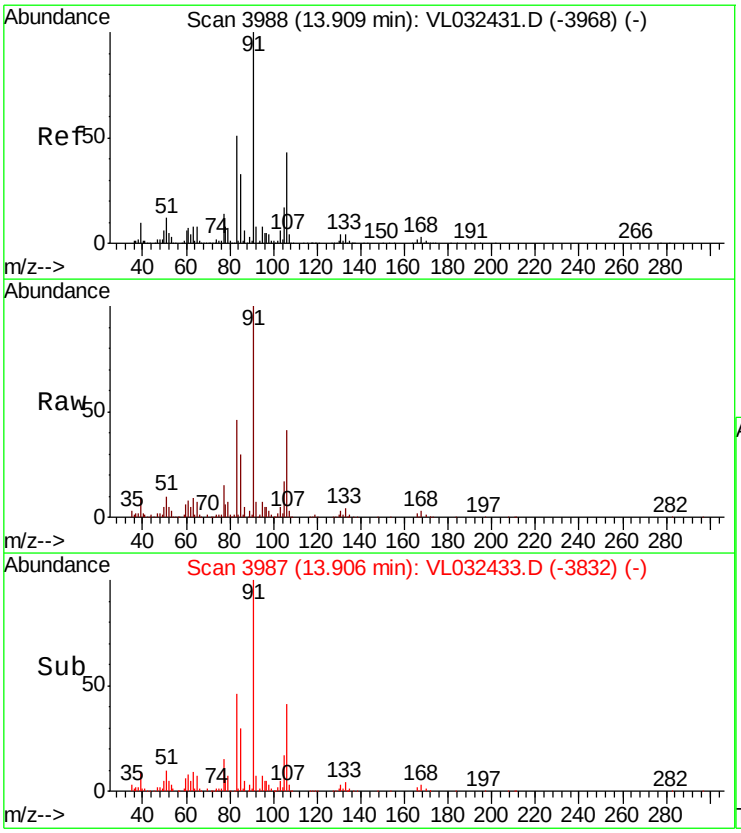
#59
m/p-Xylene
Concen: 1.075 ppbv
RT: 13.21 min Scan# 3769
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 444756

Ion	Ratio	Lower	Upper
91	100		
106	91.2	35.0	52.6#

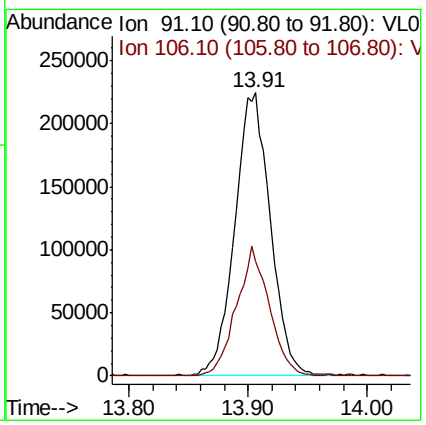


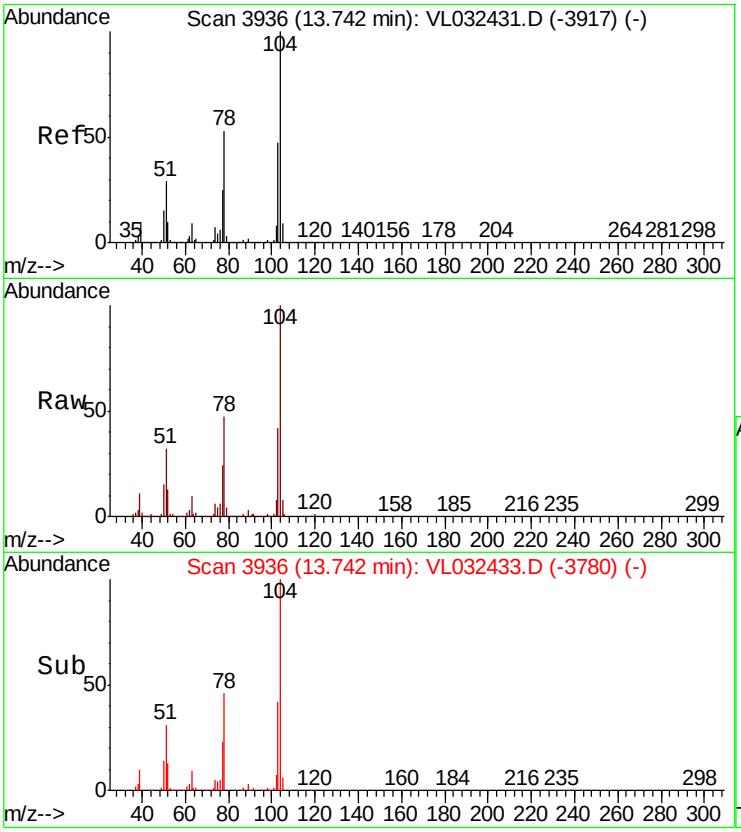


#60
o-Xylene
Concen: 1.163 ppbv
RT: 13.91 min Scan# 3987
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 91 Resp: 462412

Ion	Ratio	Lower	Upper
91	100		
106	42.2	21.9	65.7



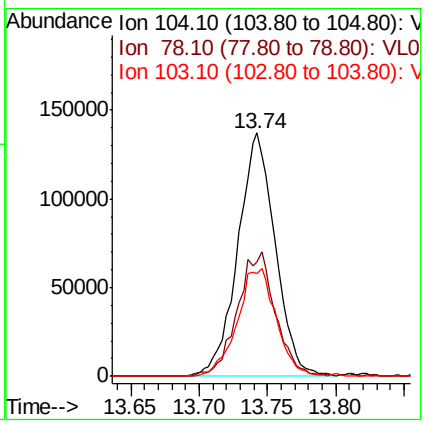


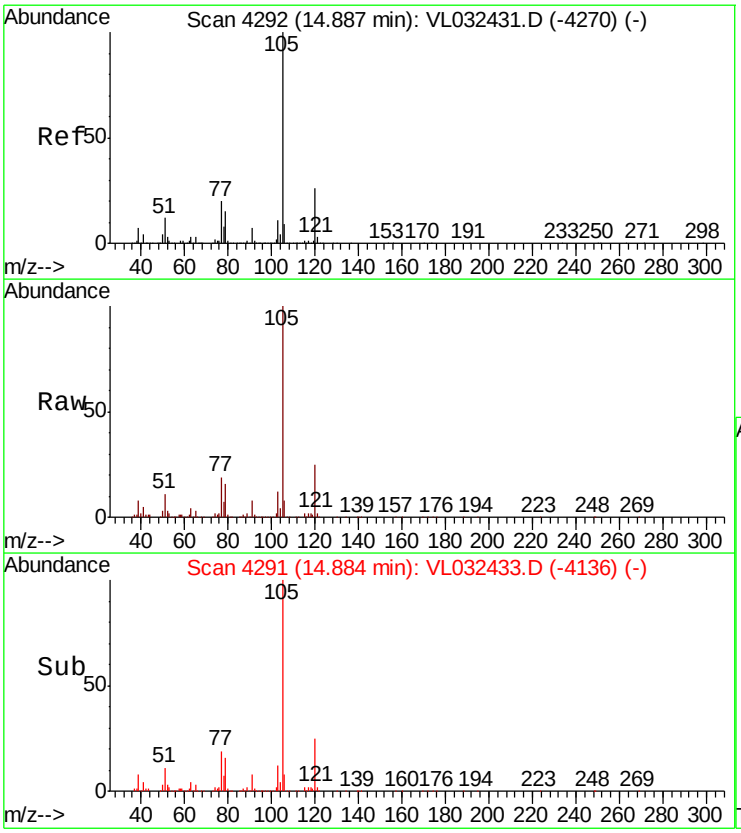
#61
Styrene
Concen: 0.975 ppbv
RT: 13.74 min Scan# 3936
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 260666

Ion	Ratio	Lower	Upper
104	100		
78	52.5	41.8	62.8
103	46.7	38.0	57.0

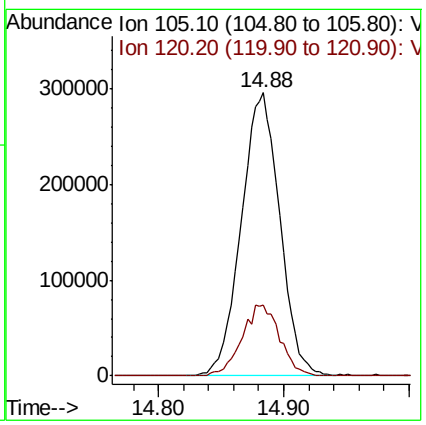


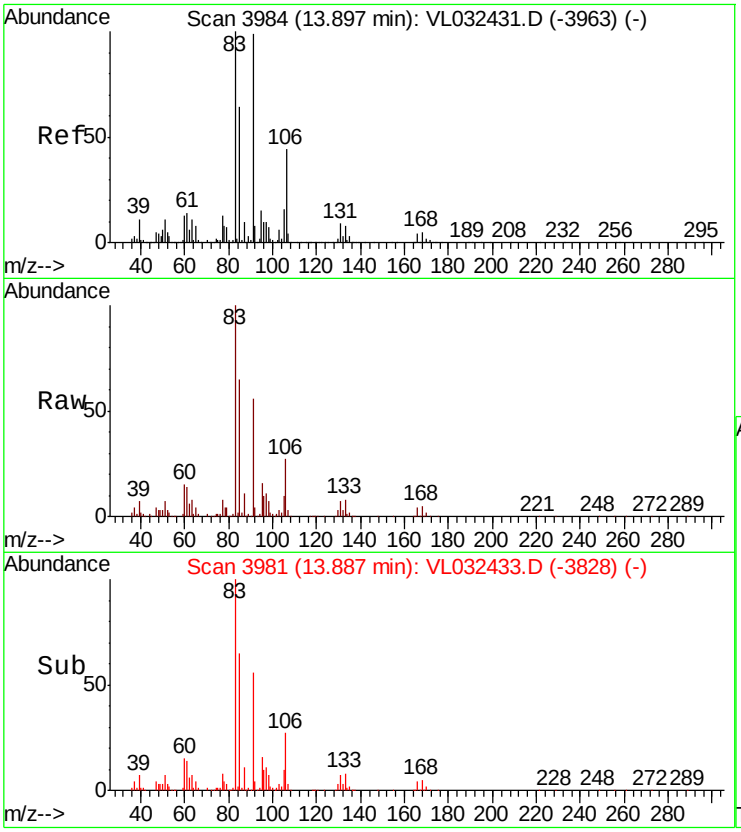


#62
Isopropylbenzene
Concen: 1.120 ppbv
RT: 14.88 min Scan# 4291
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:105 Resp: 630666

Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.6	31.0



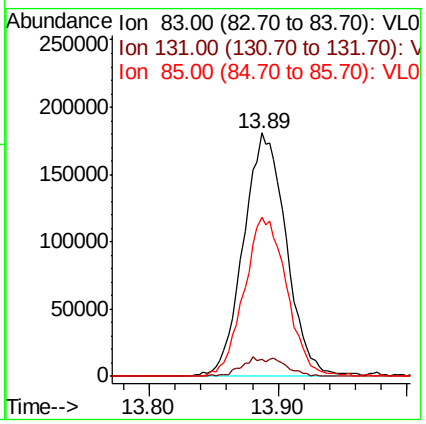


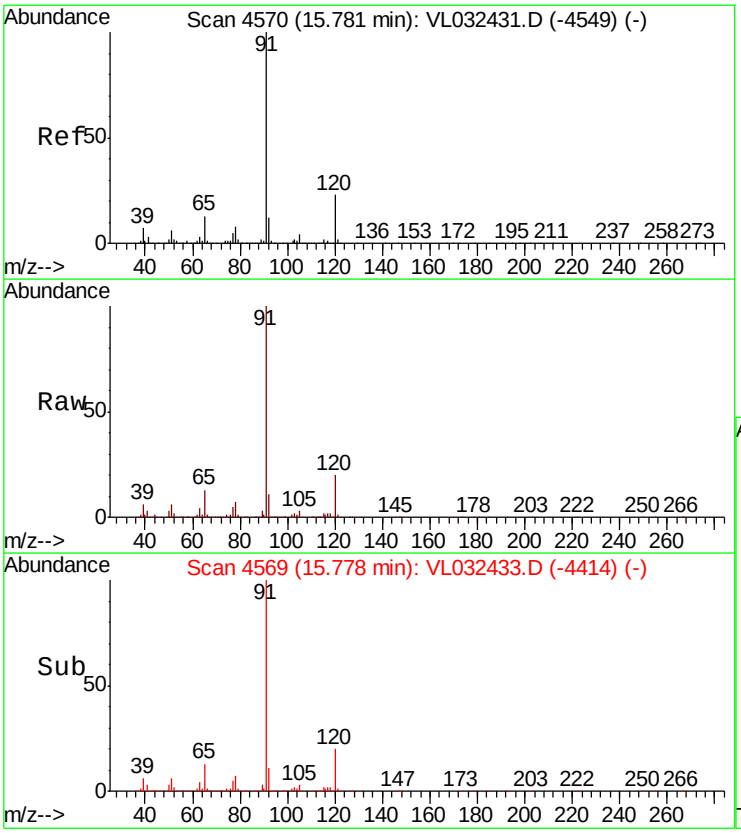
#63
1,1,2,2-Tetrachloroethane
Concen: 1.198 ppbv
RT: 13.89 min Scan# 3981
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 416369

Ion	Ratio	Lower	Upper
83	100		
131	7.8	4.3	12.8
85	65.3	32.3	96.8

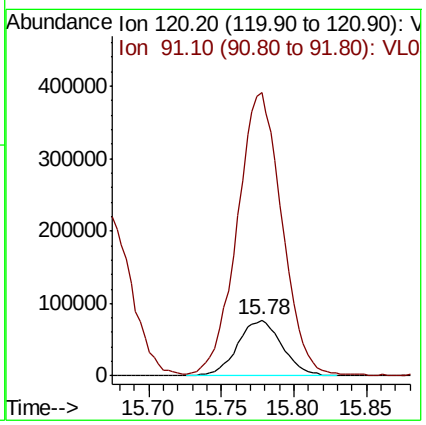


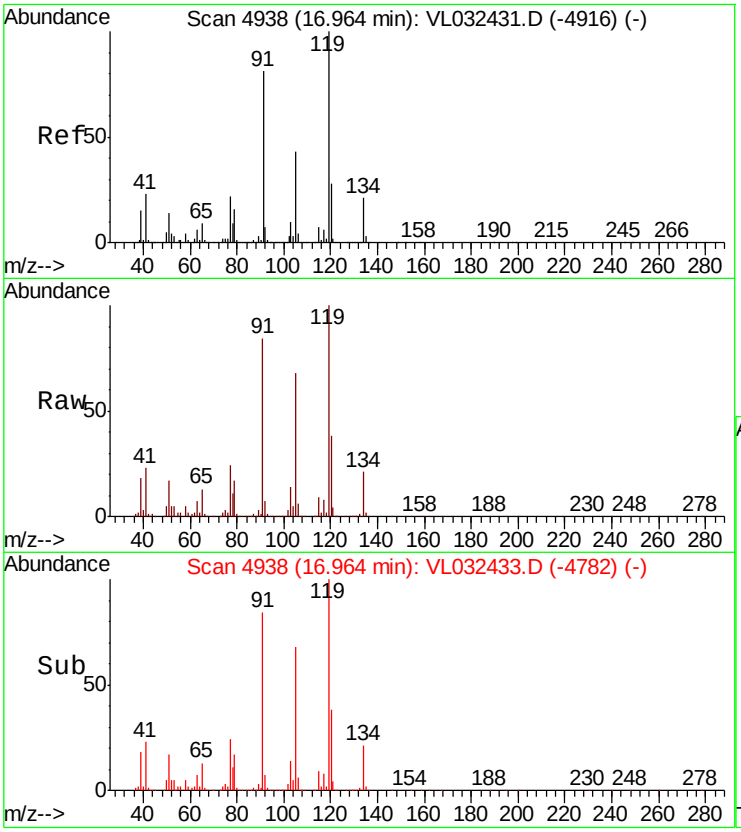


#64
n-propylbenzene
Concen: 1.115 ppbv
RT: 15.78 min Scan# 4569
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:120 Resp: 164073

Ion	Ratio	Lower	Upper
120	100		
91	513.2	381.8	572.6



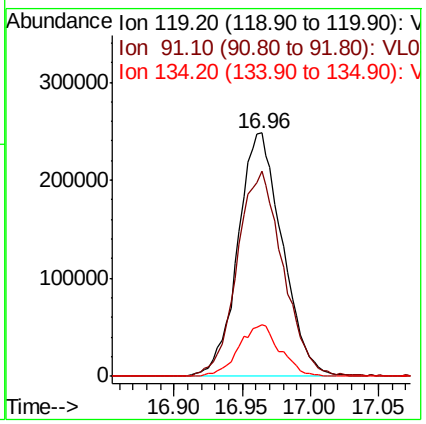


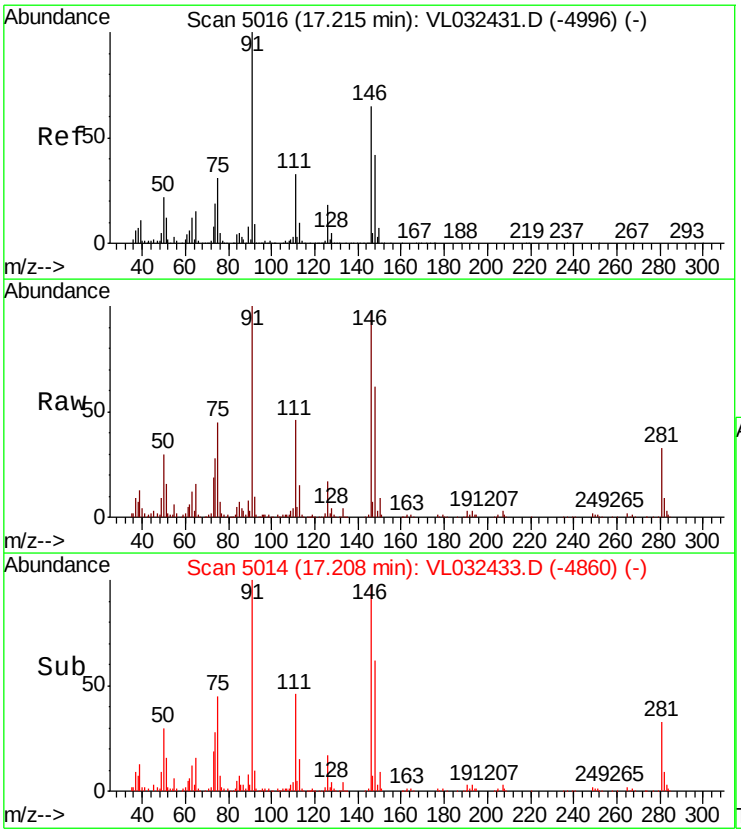
#65
tert-Butylbenzene
Concen: 1.159 ppbv
RT: 16.96 min Scan# 4938
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 560183

Ion	Ratio	Lower	Upper
119	100		
91	87.5	66.5	99.7
134	19.9	16.0	24.0

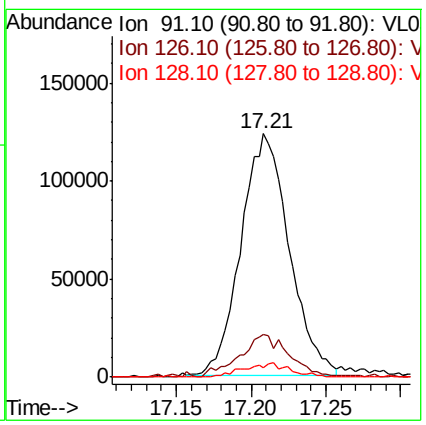


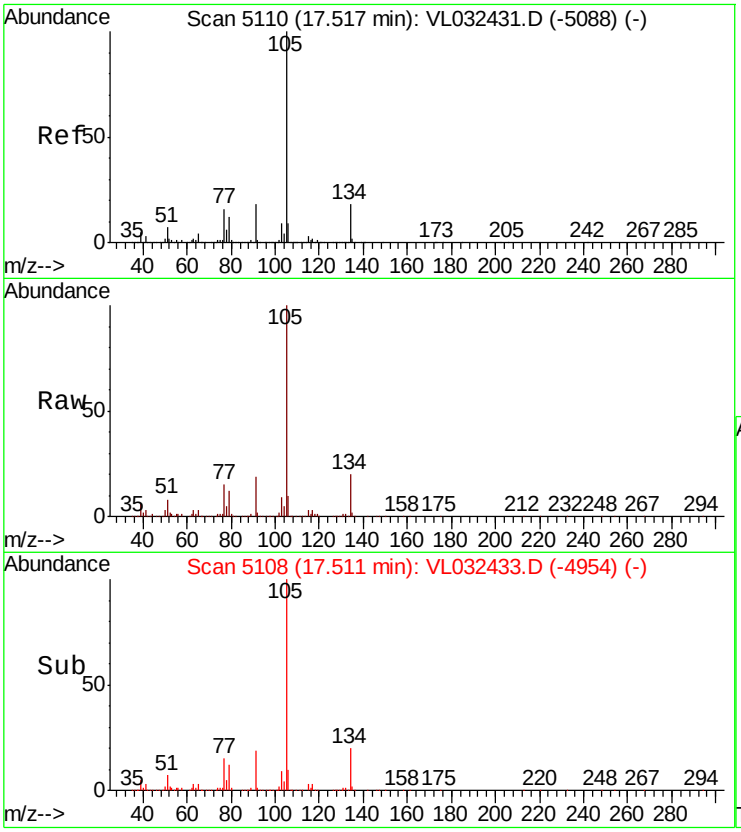


#66
Benzyl Chloride
Concen: 0.924 ppbv
RT: 17.21 min Scan# 5014
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 91 Resp: 276897

Ion	Ratio	Lower	Upper
91	100		
126	18.7	13.8	20.8
128	5.6	4.4	6.6



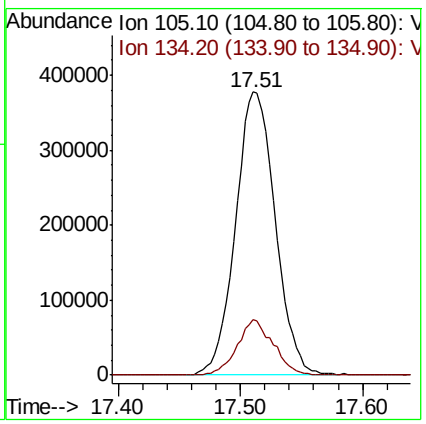


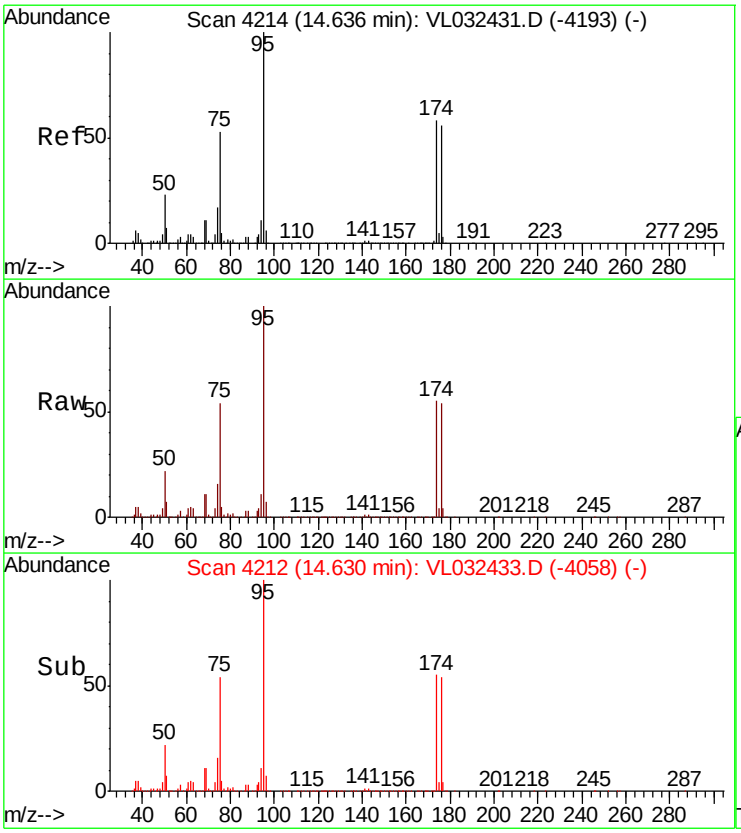
#67
sec-Butylbenzene
Concen: 1.177 ppbv
RT: 17.51 min Scan# 5108
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:105 Resp: 846392

Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.4	21.6

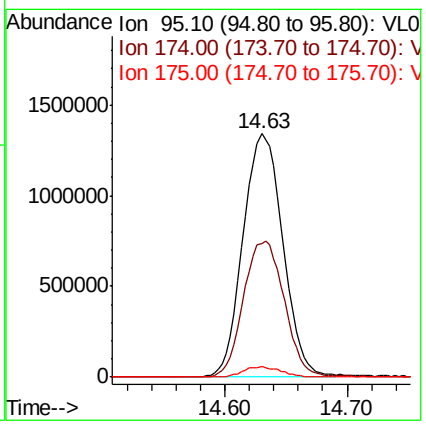


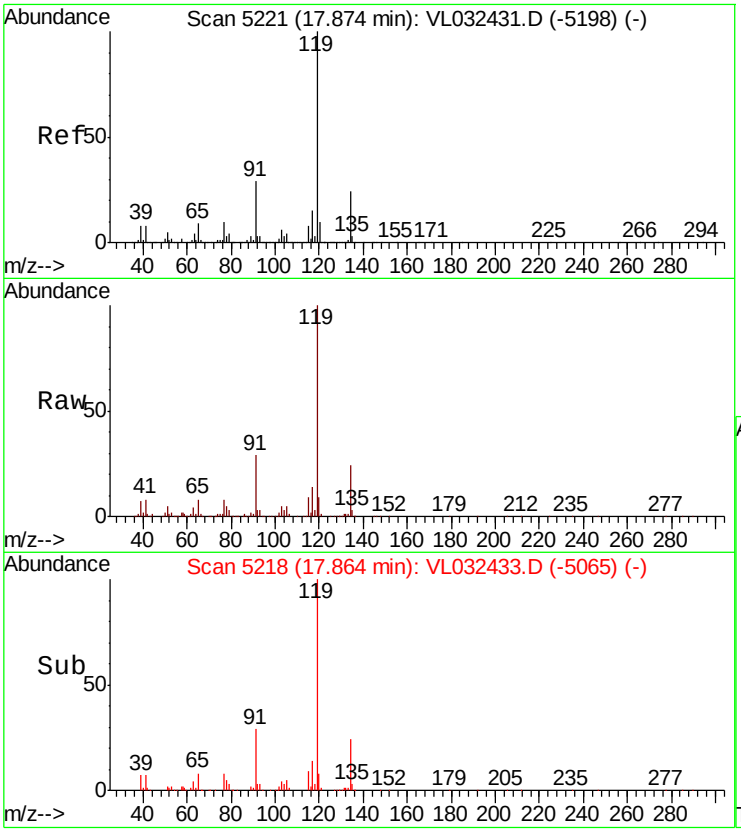


#68
1-Bromo-4-Fluorobenzene
Concen: 9.963 ppbv
RT: 14.63 min Scan# 4212
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 95 Resp: 3025609

Ion	Ratio	Lower	Upper
95	100		
174	57.9	46.3	69.5
175	4.2	3.4	5.0



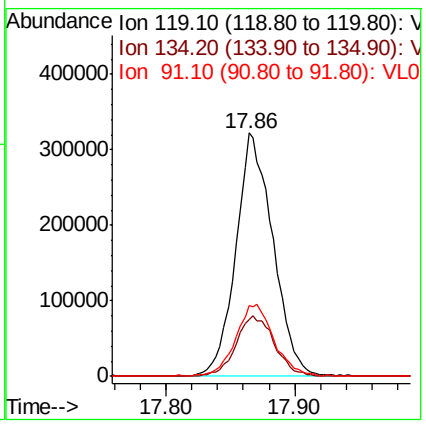


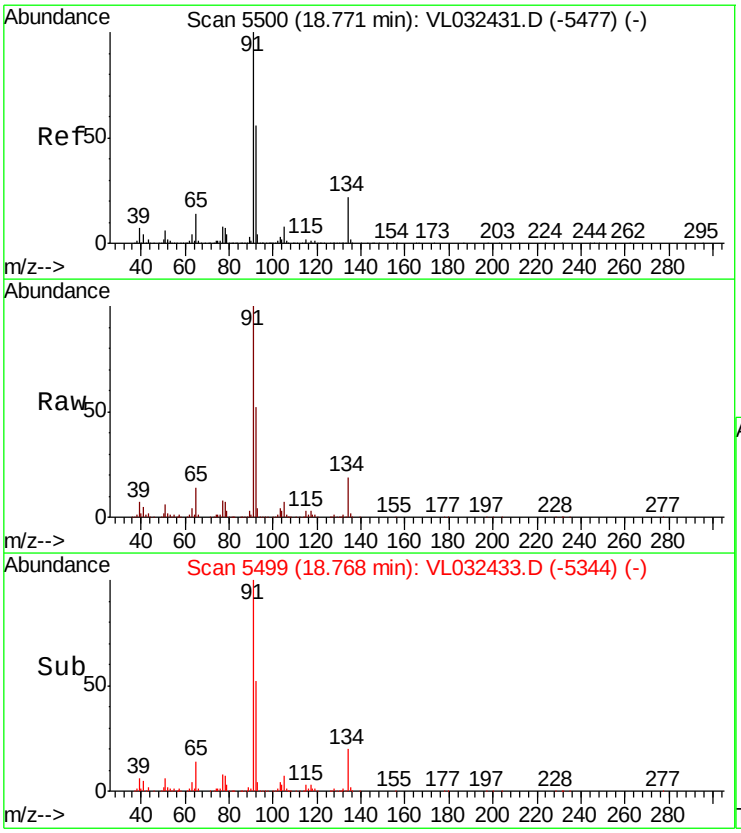
#69
p-Isopropyltoluene
Concen: 1.161 ppbv
RT: 17.86 min Scan# 5218
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 640270

Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.4	30.6
91	30.7	23.4	35.0

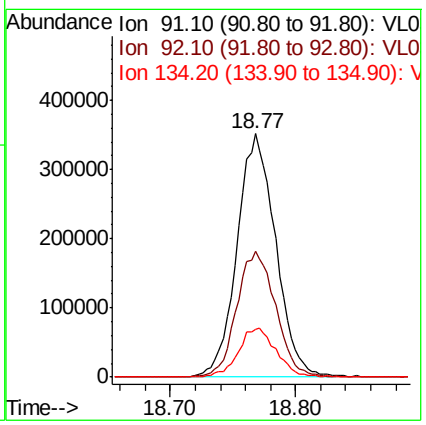


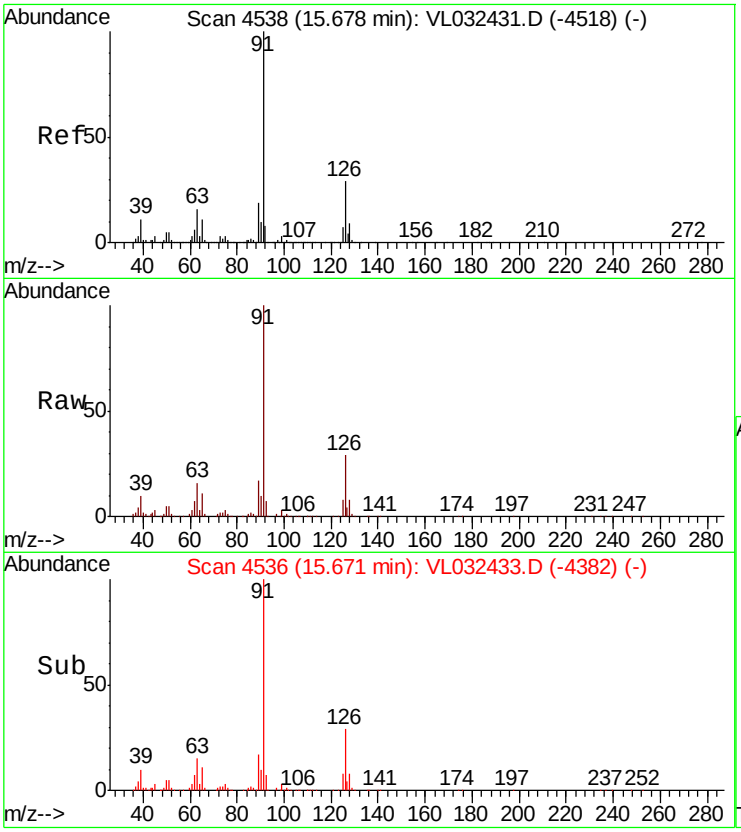


#70
n-Butylbenzene
Concen: 1.222 ppbv
RT: 18.77 min Scan# 5499
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion: 91 Resp: 746794

Ion	Ratio	Lower	Upper
91	100		
92	52.5	43.8	65.8
134	19.8	17.4	26.0



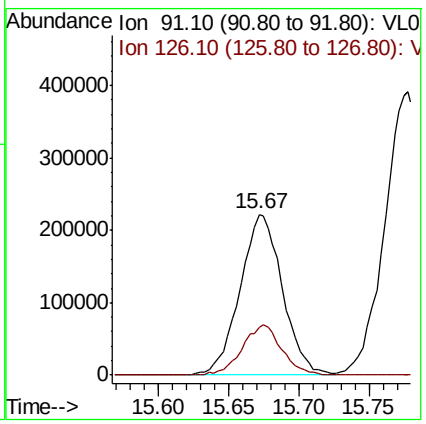


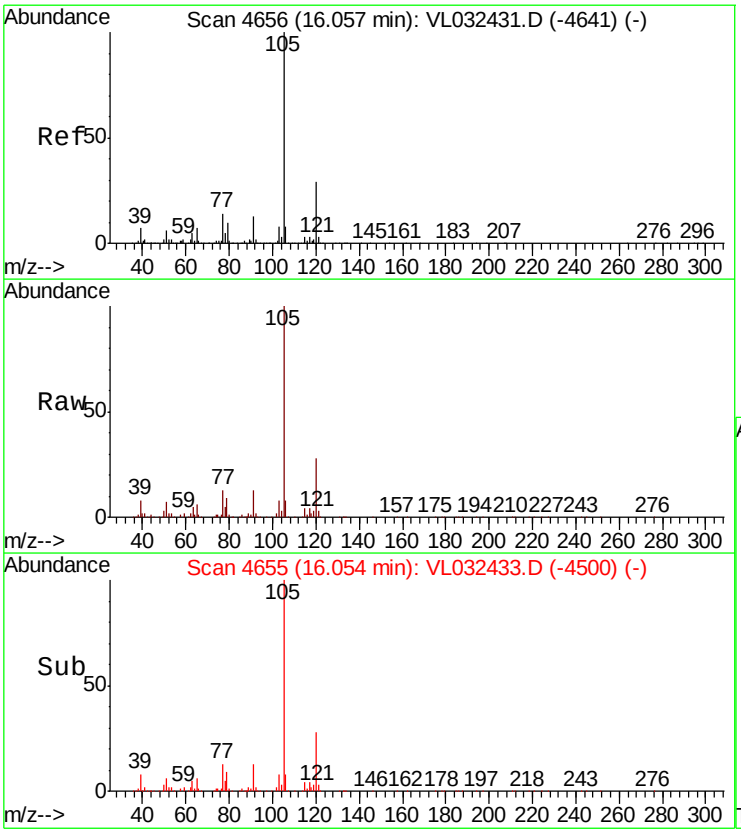
#71
2-Chlorotoluene
Concen: 1.086 ppbv
RT: 15.67 min Scan# 4536
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 467381

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.9	47.7

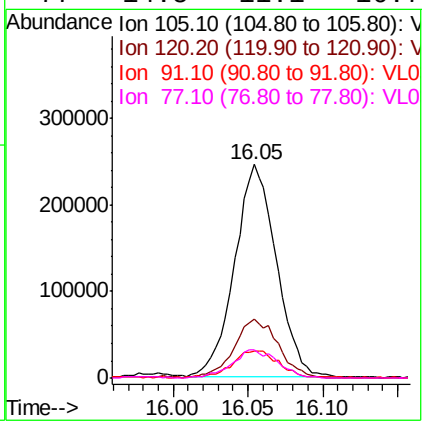


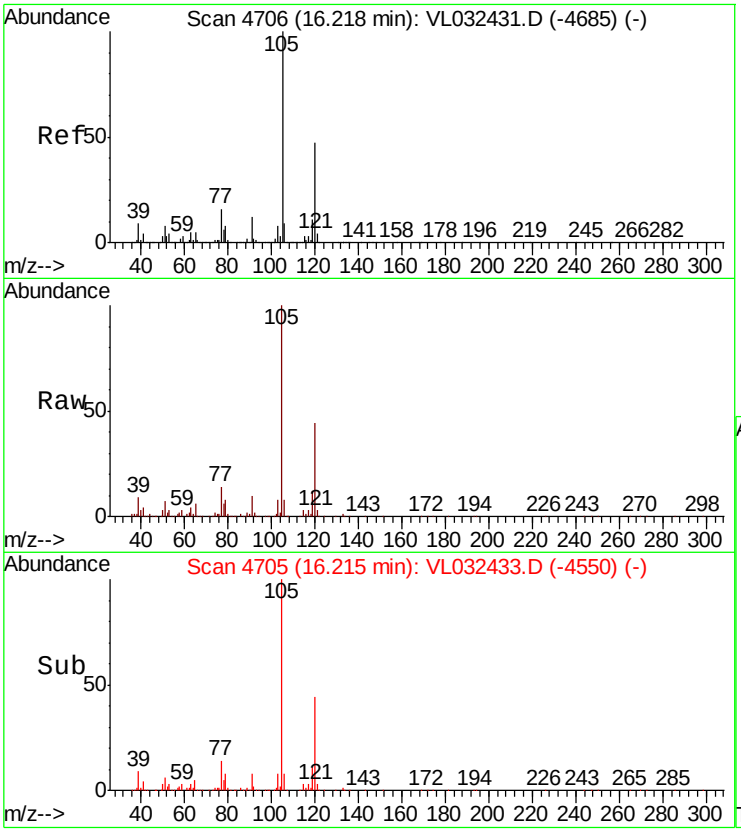


#72
4-Ethyltoluene
Concen: 1.105 ppbv
RT: 16.05 min Scan# 4655
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:105 Resp: 478827

Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.5	35.3
91	15.1	10.2	15.2
77	14.5	11.1	16.7



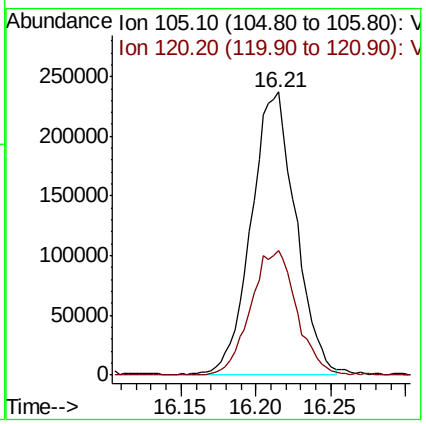


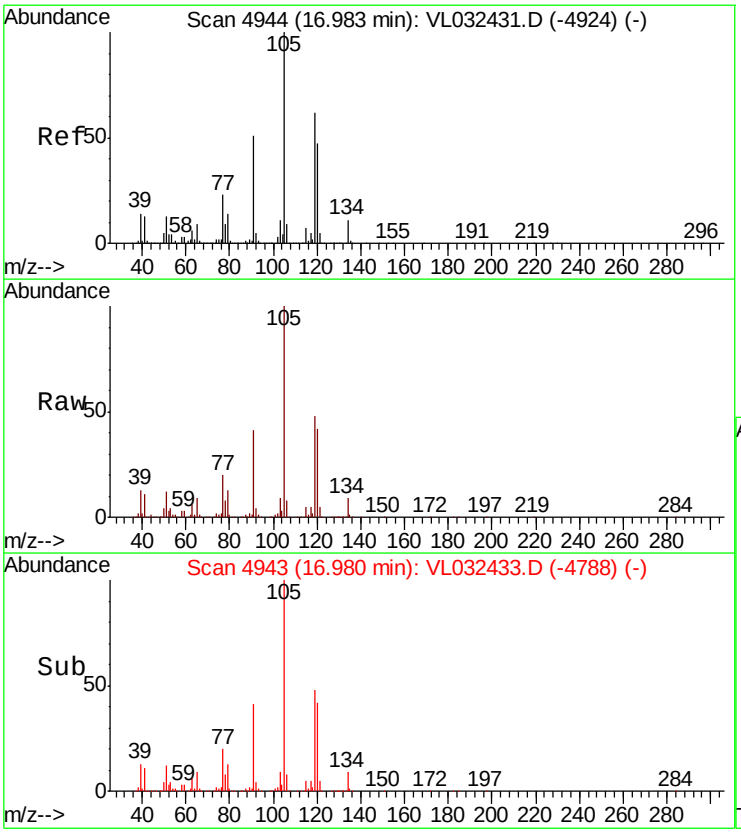
#73
1,3,5-Trimethylbenzene
Concen: 1.184 ppbv
RT: 16.21 min Scan# 4705
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 490154

Ion	Ratio	Lower	Upper
105	100		
120	44.2	37.9	56.9

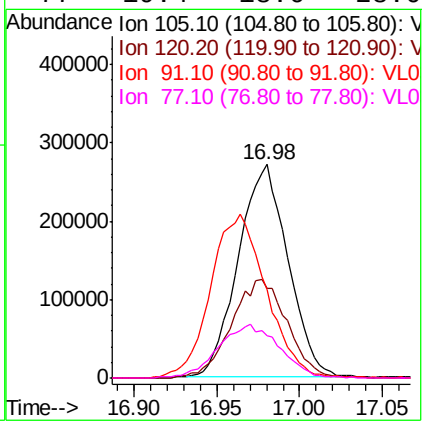


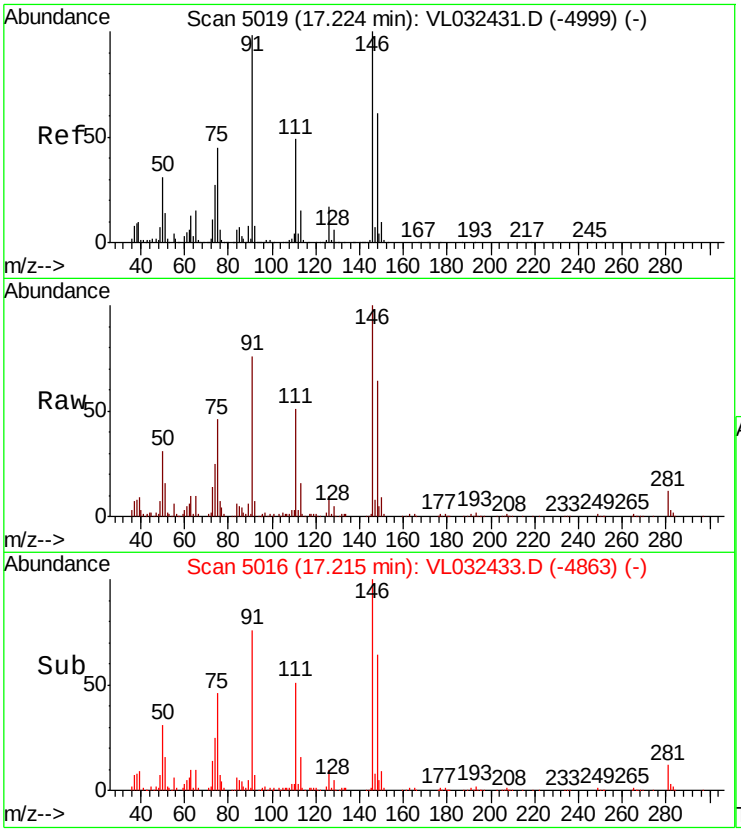


#74
1,2,4-Trimethylbenzene
Concen: 1.266 ppbv
RT: 16.98 min Scan# 4943
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:105 Resp: 565434

Ion	Ratio	Lower	Upper
105	100		
120	41.7	37.8	56.8
91	40.4	41.4	62.0#
77	19.4	18.6	28.0



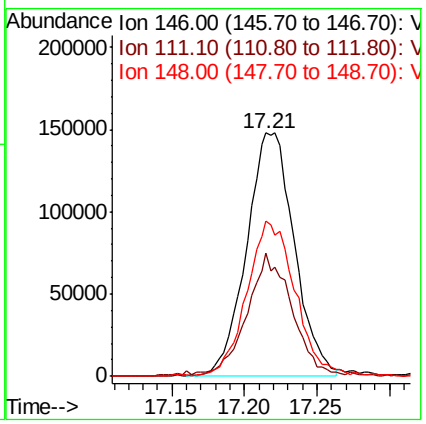


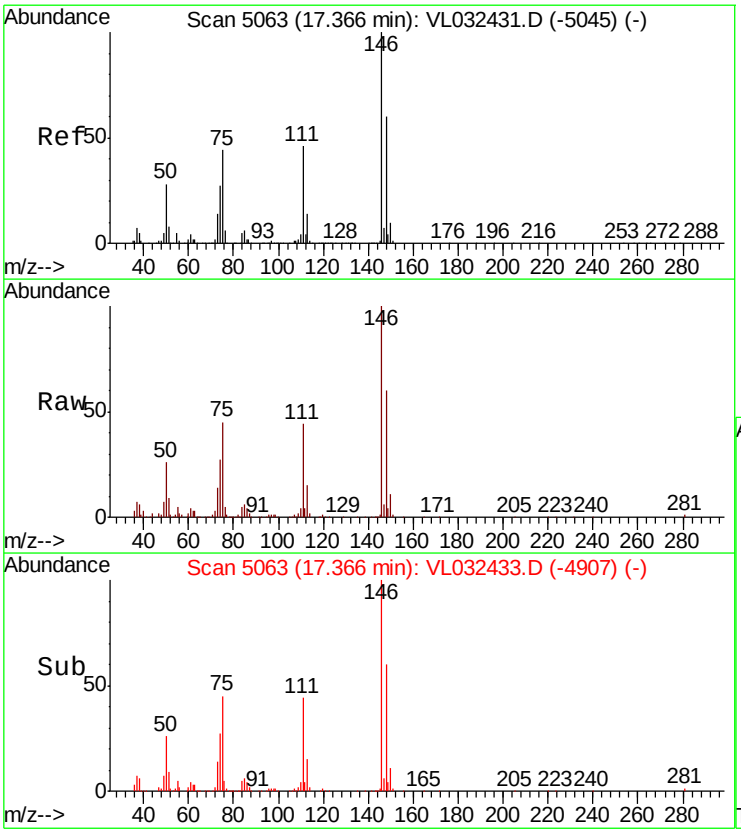
#75
1,3-Dichlorobenzene
Concen: 1.182 ppbv
RT: 17.21 min Scan# 5016
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 336809

Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.6	73.6
148	65.7	32.0	96.2

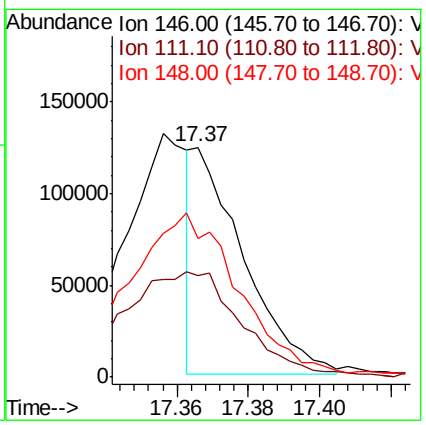


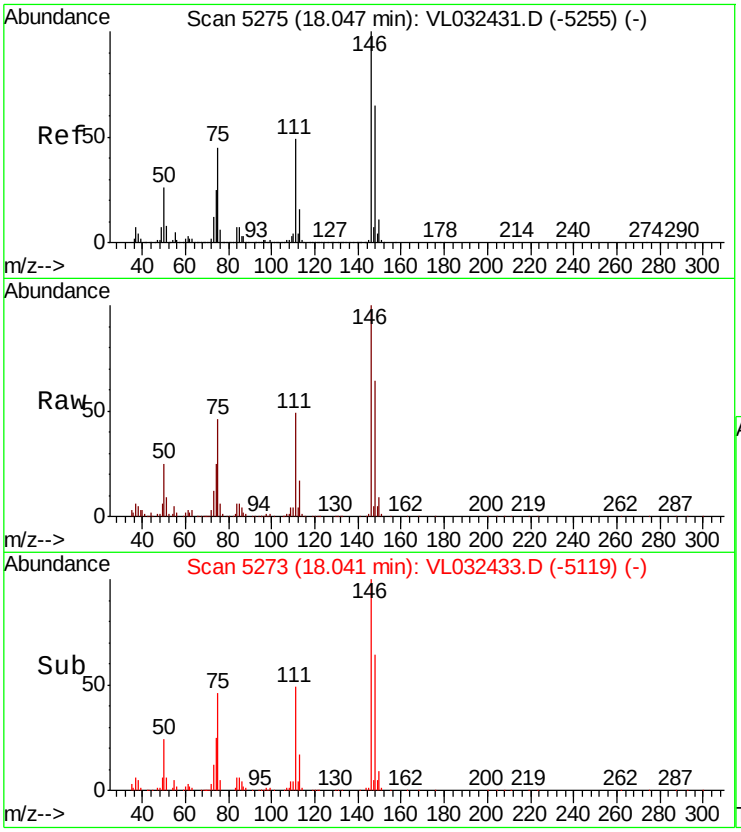


#76
1,4-Dichlorobenzene
Concen: 0.462 ppbv
RT: 17.37 min Scan# 5063
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:146 Resp: 120886

Ion	Ratio	Lower	Upper
146	100		
111	114.2	23.4	70.3#
148	163.9	31.9	95.9#



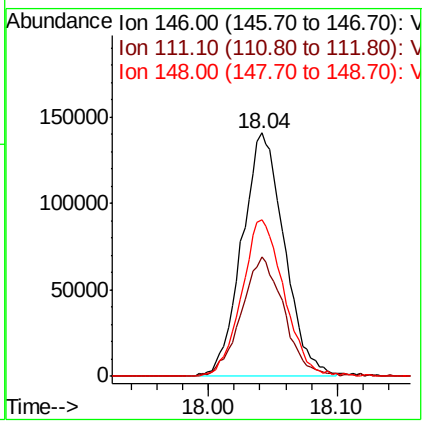


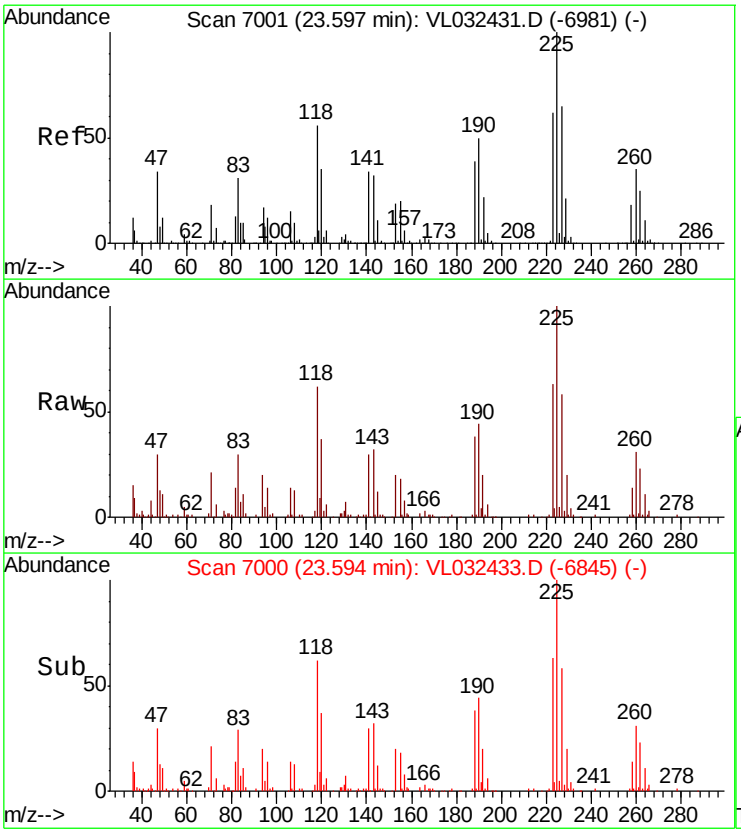
#77
1,2-Dichlorobenzene
Concen: 1.177 ppbv
RT: 18.04 min Scan# 5273
Delta R.T. -0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:146 Resp: 322183

Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.9	74.7
148	64.6	31.9	95.9

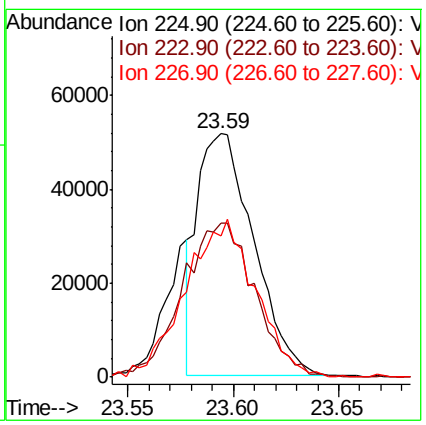


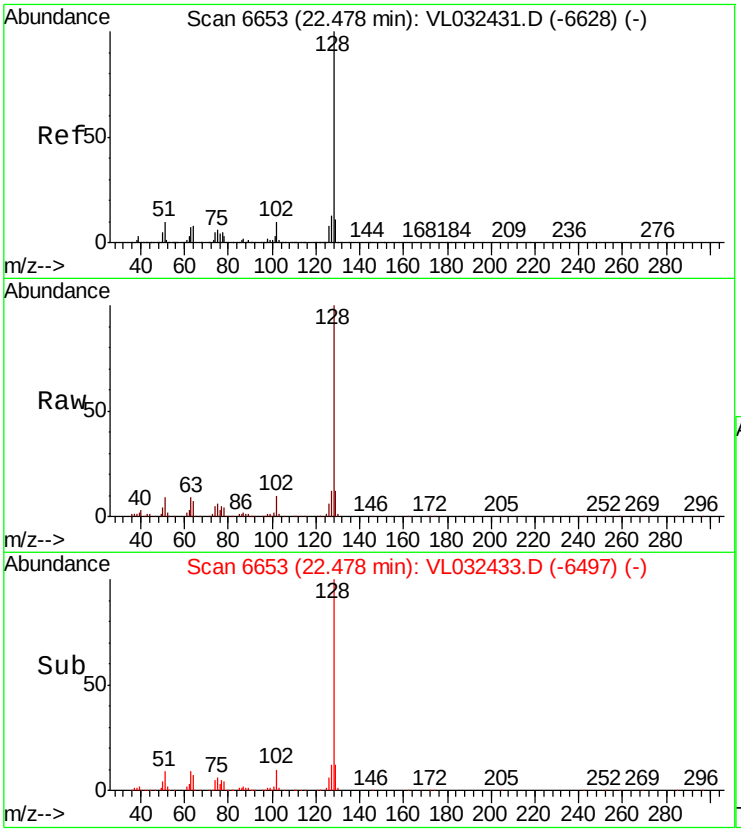


#78
Hexachloro-1,3-Butadiene
Concen: 0.803 ppbv
RT: 23.59 min Scan# 7000
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:225 Resp: 94790

Ion	Ratio	Lower	Upper
225	100		
223	83.3	50.6	76.0#
227	82.5	51.2	76.8#



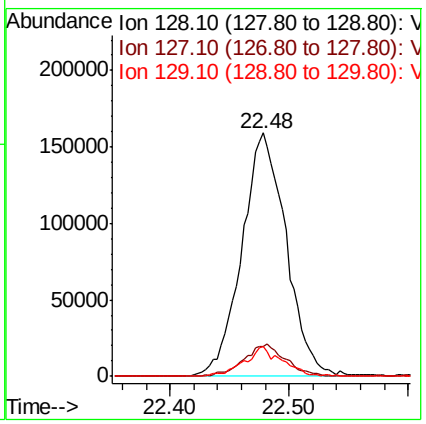


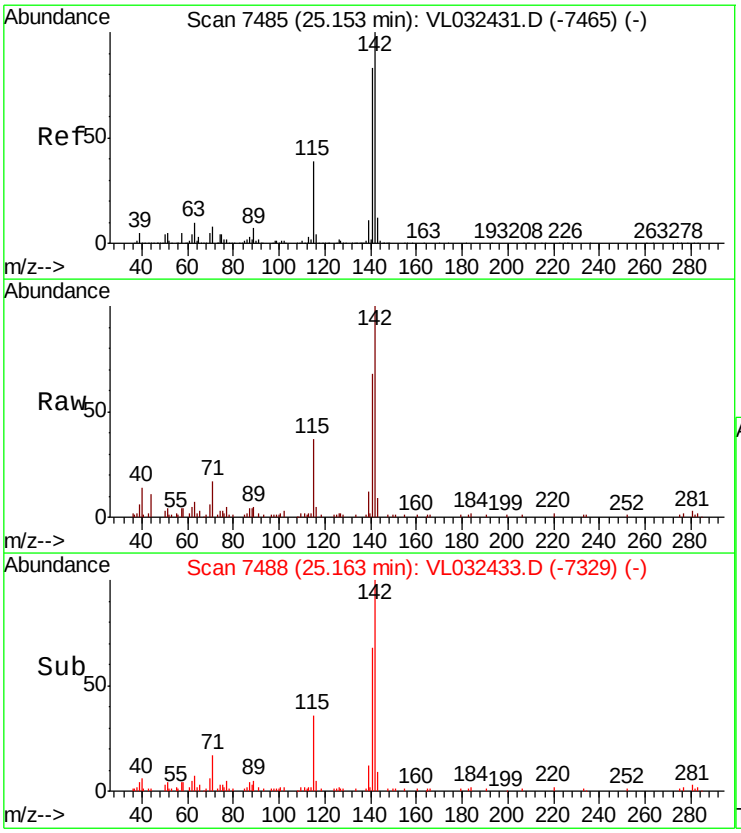
#79
Naphthalene
Concen: 1.377 ppbv
RT: 22.48 min Scan# 6653
Delta R.T. 0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 409152

Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.2
129	11.8	8.5	12.7

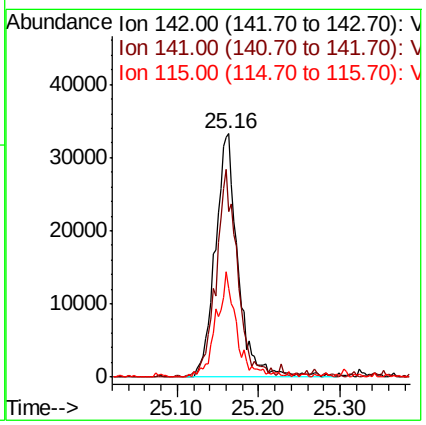


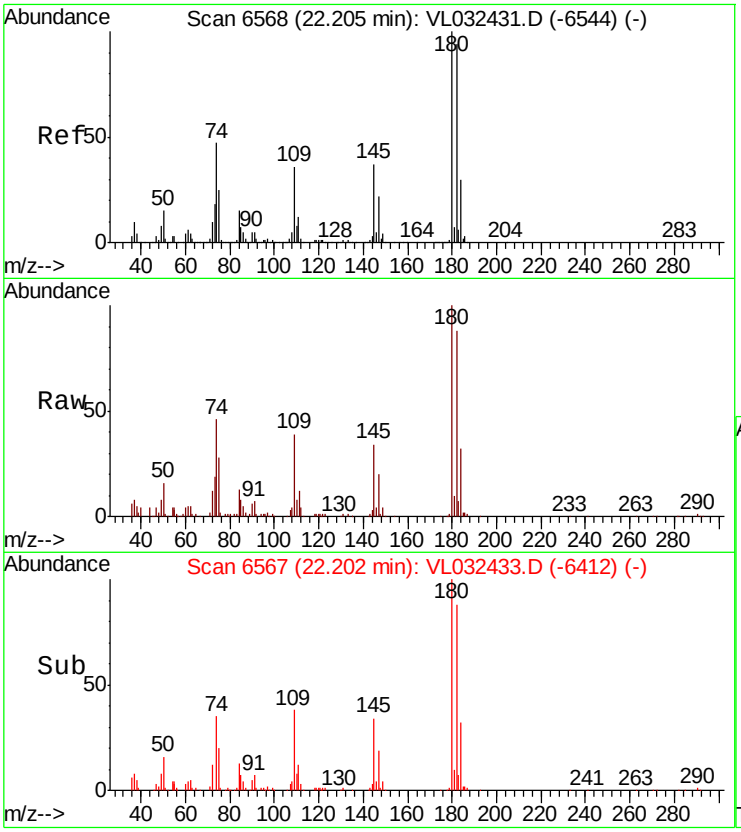


#80
Naphthalene,2-methyl-
Concen: 0.844 ppbv
RT: 25.16 min Scan# 7488
Delta R.T. 0.01 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Tgt Ion:142 Resp: 65609

Ion	Ratio	Lower	Upper
142	100		
141	80.1	67.0	100.6
115	38.7	31.2	46.8





#81
1,2,4-Trichlorobenzene
Concen: 1.300 ppbv
RT: 22.20 min Scan# 6567
Delta R.T. -0.00 min
Lab File: VL032433.D
Acq: 31 Aug 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 209424

Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.2	114.2
184	30.2	23.9	35.9