Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

Quantitation Report (Not Reviewed)

Data File : VL033274.D
Acq On : 12 Mar 2019 3:36
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Mar 12 04:53:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 12 04:49:55 2019
QLast Update : Tue Mar 12 04:49:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	929991	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2157509	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2188379	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1697834	9.69	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	197445	1.024	ppbv	96
3) Chlorodifluoromethane	3.01	51	117097	0.999	ppbv	99
4) Chloromethane	3.17	50	59730	0.969	ppbv	99
5) Vinyl Chloride	3.29	62	57401	0.963	ppbv	95
6) Bromomethane	3.51	94	37090	0.981	ppbv	97
7) Chloroethane	3.60	64	22492	1.019	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	152596	1.000	ppbv	97
9) Propene	3.04	41	51686	0.993	ppbv	100
10) Heptane	8.25	43	130041	1.053	ppbv	100
11) Trichlorofluoromethane	4.00	101	263395	1.631	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	111912	1.102	ppbv	98
13) Ethanol	3.66	45	20894	1.437	ppbv	95
14) Bromoethene	3.79	108	70790	1.694	ppbv	98
15) Acetone	3.91	43	214997	1.857	ppbv	100
16) 1,3-Butadiene	3.36	39	44915	0.899	ppbv	95
17) tert-Butyl alcohol	4.35	59	920	0.051	ppbv #	74
18) 1,1-Dichloroethene	4.35	96	46466	1.044	ppbv	93
19) Isopropyl Alcohol	4.03	45	123189	1.774	ppbv #	98
20) Methylene Chloride	4.41	84	51613	1.129	ppbv	91
21) Allyl Chloride	4.48	41	68155	1.018	ppbv	93
22) trans-1,2-Dichloroethene	4.96	96	51270	1.081	ppbv	91
23) Vinyl Acetate	5.16	43	177447	1.106	ppbv #	99
24) 1,1-Dichloroethane	5.09	63	130518	1.072	ppbv	97
25) Ethyl Acetate	5.78	43	234745	1.108	ppbv	98
26) Hexane	5.78	57	61215	0.613	ppbv #	8
27) Carbon Disulfide	4.62	76	105891	1.047	ppbv	97
28) Methyl tert-Butyl Ether	5.12	73	147168	1.117	ppbv	98
29) Chloroform	5.85	83	165530	1.090	ppbv	93
30) Cyclohexane	7.25	84	80871	1.078	ppbv #	71
31) cis-1,2-Dichloroethene	5.64	61	101212	1.073	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	153341	1.071	ppbv	98
34) 2-Butanone	5.33	43	151699	1.134	ppbv	99
35) Carbon Tetrachloride	7.14	117	64415	0.436	ppbv	98
36) Benzene	7.00	78	207305	1.087	ppbv	98
37) 1,2-Dichloroethane	6.41	62	126141	1.036	ppbv	99
38) Trichloroethene	7.96	130	77590	1.075	ppbv	95
39) 1,2-Dichloropropane	7.73	63	76743	1.052	ppbv	97
40) 1,4-Dioxane	7.98	88	11912	0.445	ppbv #	1
41) Tetrahydrofuran	6.17	42	82517	1.090	ppbv	97
42) Bromodichloromethane	7.91	83	165705	1.020	ppbv	95
43) Methyl Methacrylate	8.14	69	77272	1.037	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

Quantitation Report (Not Reviewed)

Data File : VL033274.D
Acq On : 12 Mar 2019 3:36
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Mar 12 04:53:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 12 04:49:55 2019
QLast Update : Tue Mar 12 04:49:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	357653	1.087	ppbv		100
45) t-1,3-Dichloropropene	9.41	75	86528	0.958	ppbv		95
46) cis-1,3-Dichloropropene	8.83	75	109603	1.030	ppbv		94
47) 1,1,2-Trichloroethane	9.61	97	84142	1.074	ppbv		95
48) Dibromochloromethane	10.45	129	129771	1.011	ppbv		100
49) Bromoform	13.20	173	100182	0.870	ppbv		99
50) 4-Methyl-2-Pentanone	8.88	43	212620	1.079	ppbv		99
51) 2-Hexanone	10.28	43	70394	0.479	ppbv	#	29
52) Tetrachloroethene	11.37	164	48537	0.696	ppbv		94
53) Toluene	9.95	91	230676	1.083	ppbv		100
54) 1,2-Dibromoethane	10.76	107	123829	1.008	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.27	131	98115	1.073	ppbv	#	1
57) Chlorobenzene	12.30	112	177233	1.101	ppbv	#	97
58) Ethyl Benzene	12.86	91	313730	1.057	ppbv		99
59) m/p-Xylene	13.12	91	176119	0.656	ppbv	#	32
60) o-Xylene	13.85	91	254373	0.982	ppbv		98
61) Styrene	13.69	104	174446	0.986	ppbv		98
62) Isopropylbenzene	14.83	105	359704	1.041	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.84	83	172166	1.031	ppbv		100
64) n-propylbenzene	15.72	120	49575	0.585	ppbv	#	1
65) tert-Butylbenzene	16.90	119	302871	1.041	ppbv		99
66) Benzyl Chloride	17.15	91	84086	0.775	ppbv		100
67) sec-Butylbenzene	17.45	105	212644	0.515	ppbv	#	60
69) p-Isopropyltoluene	17.82	119	337083	1.005	ppbv		98
70) n-Butylbenzene	18.72	91	353204	0.971	ppbv		99
71) 2-Chlorotoluene	15.62	91	262402	1.016	ppbv		100
72) 4-Ethyltoluene	16.00	105	268813	0.998	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	247163	0.964	ppbv		95
74) 1,2,4-Trimethylbenzene	16.92	105	257856	0.964	ppbv		93
75) 1,3-Dichlorobenzene	17.16	146	153771	0.975	ppbv		95
76) 1,4-Dichlorobenzene	17.31	146	146027	0.943	ppbv		93
77) 1,2-Dichlorobenzene	17.99	146	153032	1.005	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	125180	1.085	ppbv		99
79) Naphthalene	22.42	128	185930	0.637	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	4696	0.066	ppbv		95
81) 1,2,4-Trichlorobenzene	22.14	180	114916	0.761	ppbv		95

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

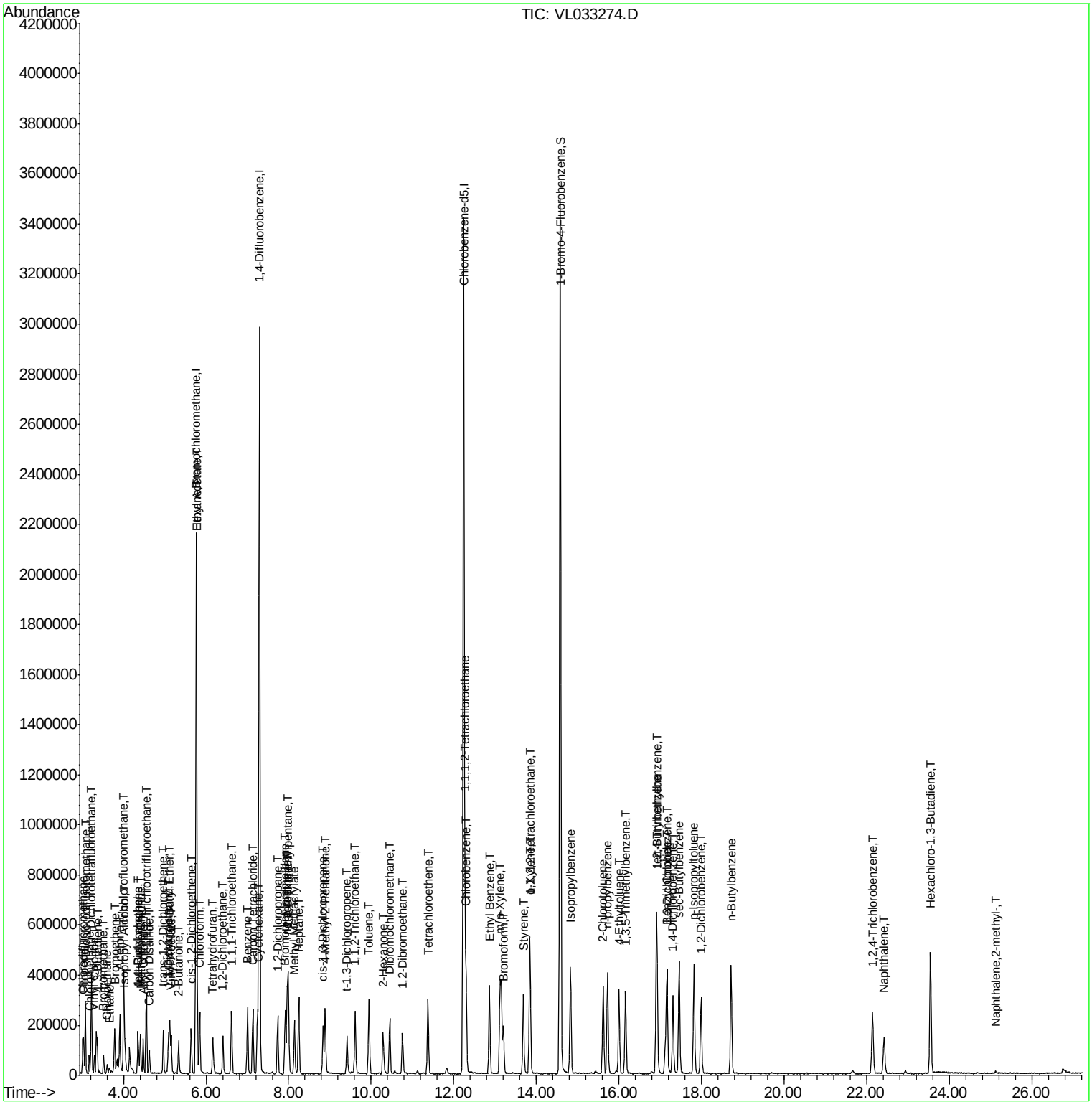
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

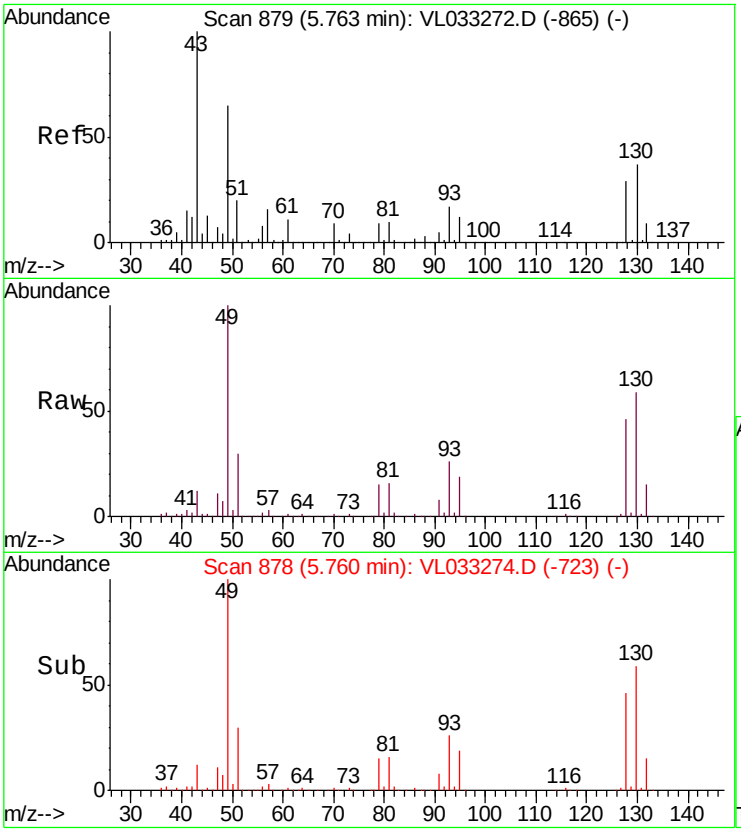
Quantitation Report (Not Reviewed)

Data File : VL033274.D
Acq On : 12 Mar 2019 3:36
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Mar 12 04:53:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 12 04:49:55 2019
QLast Update : Tue Mar 12 04:49:55 2019
Response via : Initial Calibration



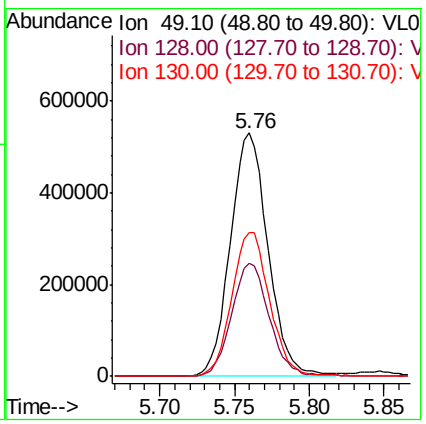


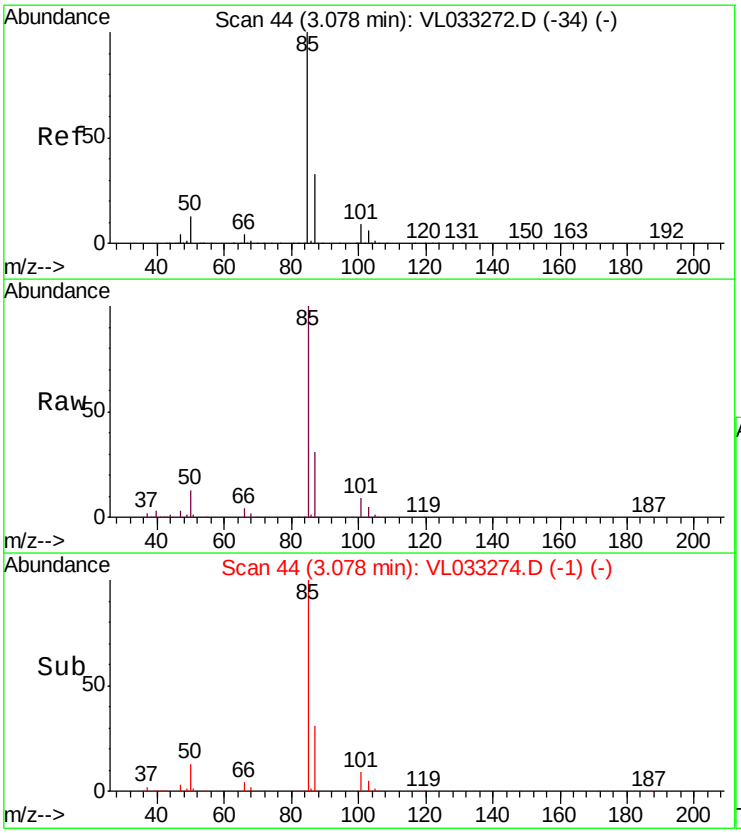
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 929991

Ion	Ratio	Lower	Upper
49	100		
128	46.9	23.3	69.9
130	60.1	30.0	90.1

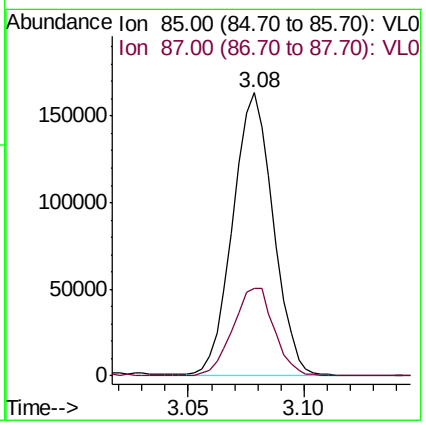


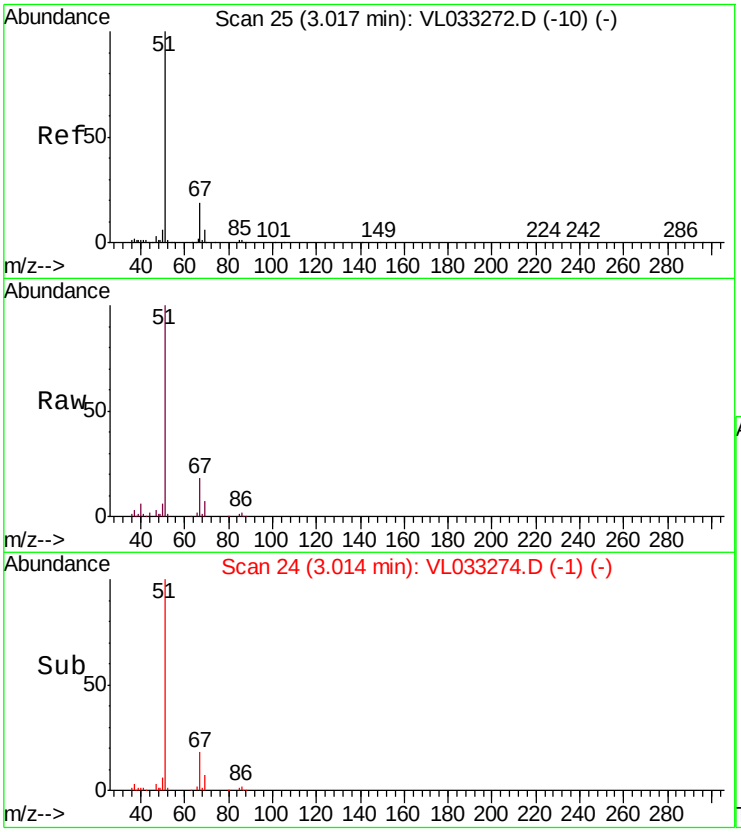


#2
Dichlorodifluoromethane
Concen: 1.024 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 85 Resp: 197445

Ion	Ratio	Lower	Upper
85	100		
87	30.9	26.4	39.6



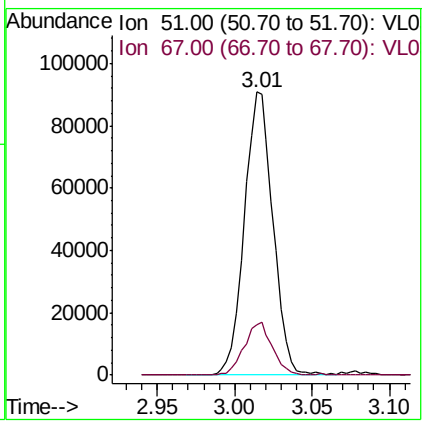


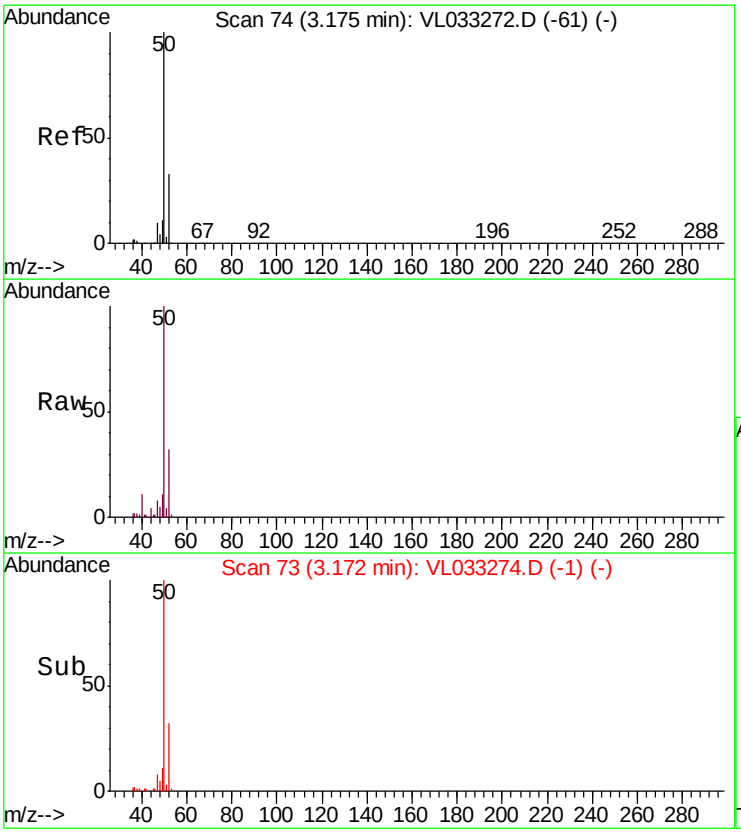
#3
Chlorodifluoromethane
Concen: 0.999 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 117097

Ion	Ratio	Lower	Upper
51	100		
67	18.3	15.0	22.4

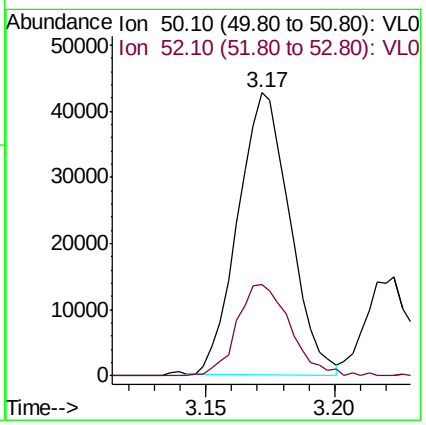


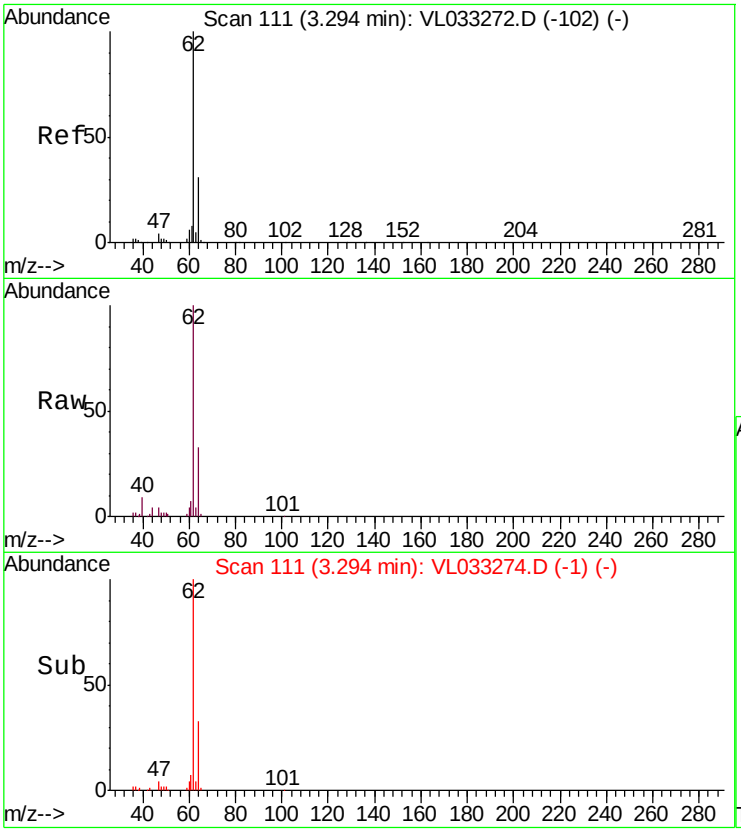


#4
Chloromethane
Concen: 0.969 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 50 Resp: 59730

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.6	39.8



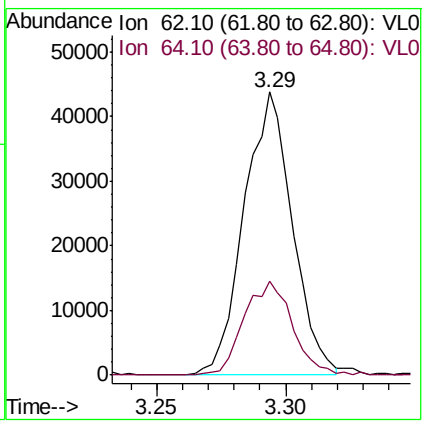


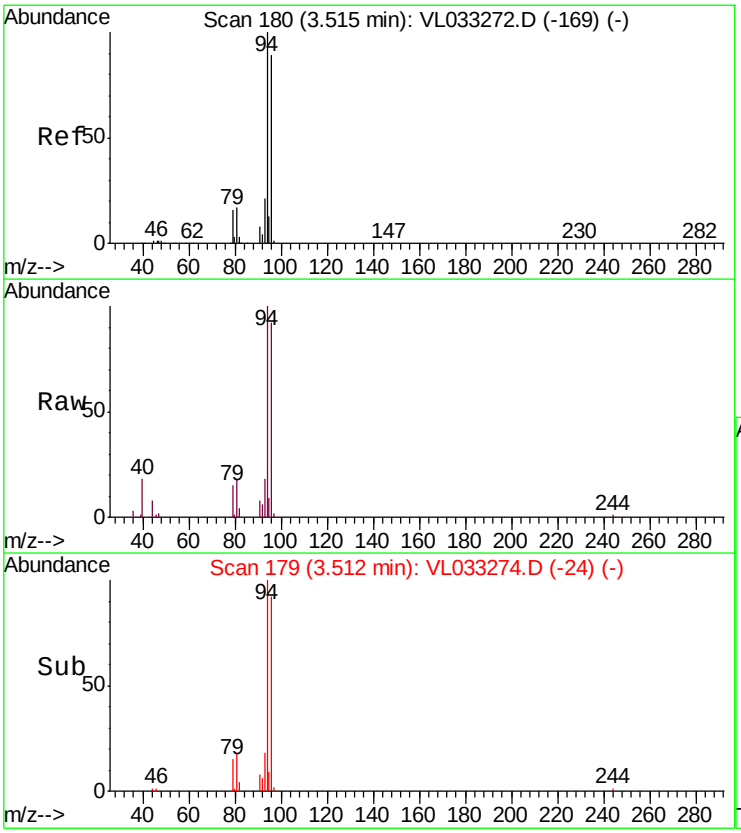
#5
Vinyl Chloride
Concen: 0.963 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 57401

Ion	Ratio	Lower	Upper
62	100		
64	33.3	24.5	36.7

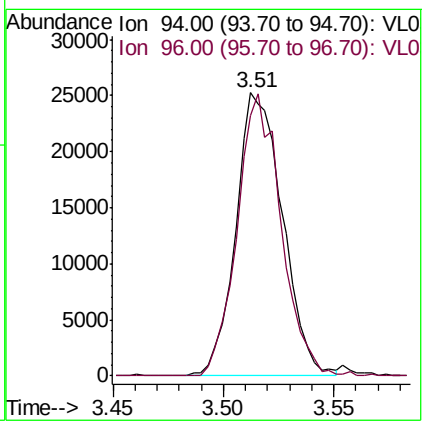


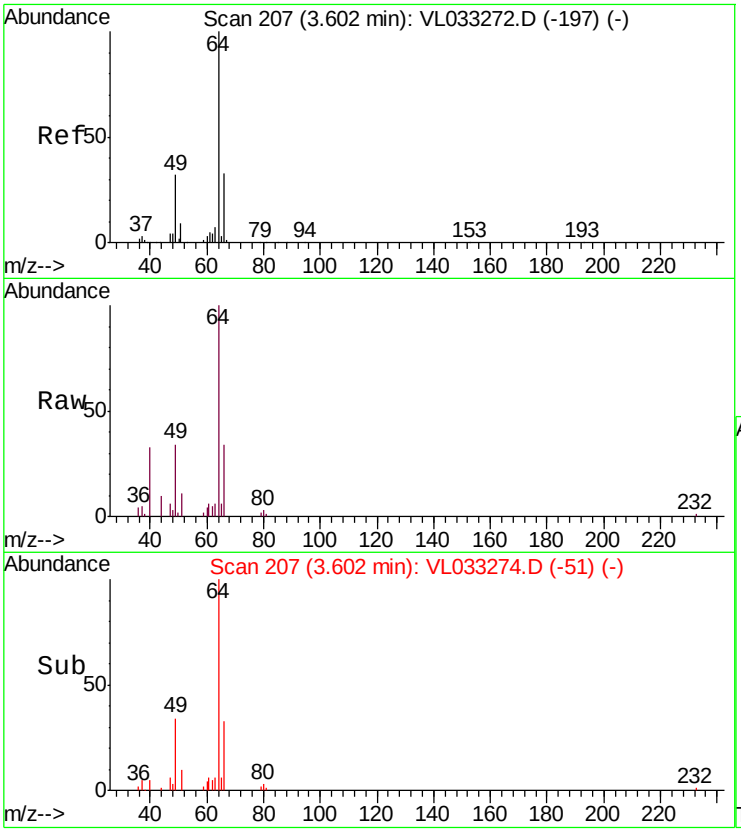


#6
Bromomethane
Concen: 0.981 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 94 Resp: 37090

Ion	Ratio	Lower	Upper
94	100		
96	92.0	71.3	106.9



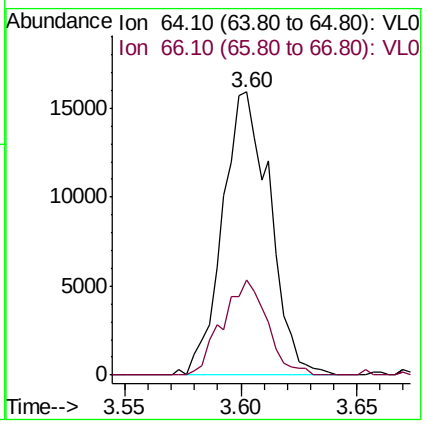


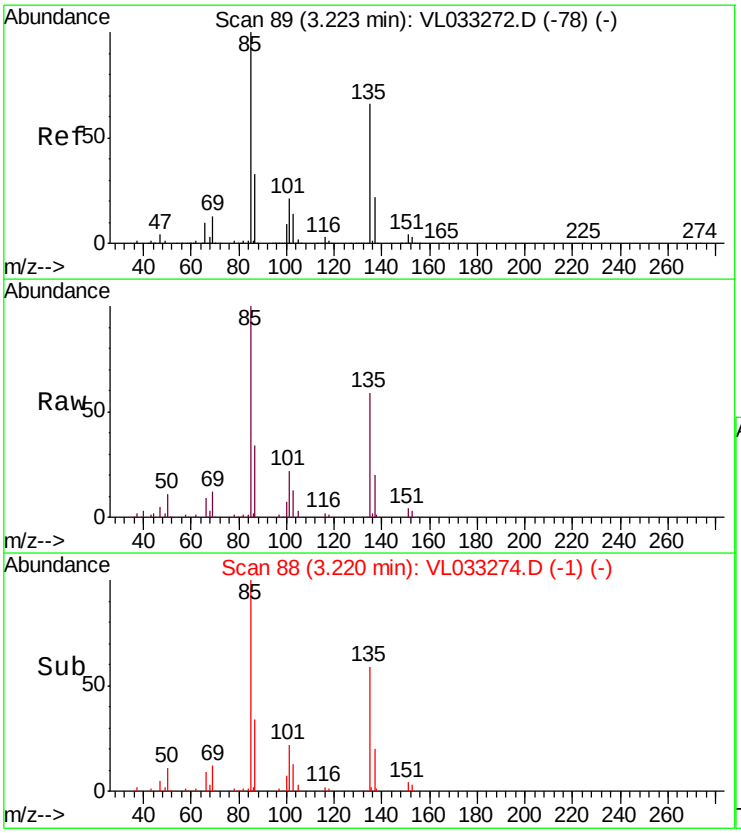
#7
Chloroethane
Concen: 1.019 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 22492

Ion	Ratio	Lower	Upper
64	100		
66	33.6	26.2	39.2

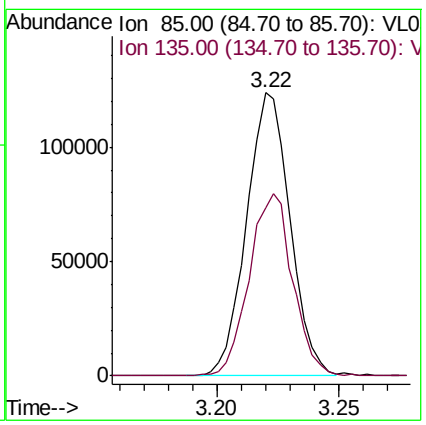


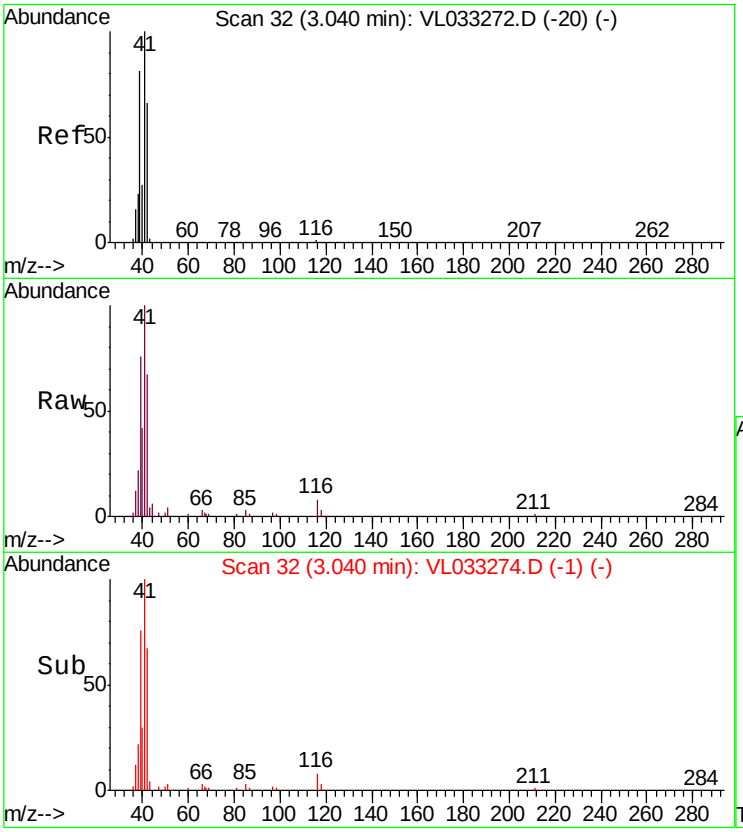


#8
Dichlorotetrafluoroethane
Concen: 1.000 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 85 Resp: 152596

Ion	Ratio	Lower	Upper
85	100		
135	64.4	53.4	80.2



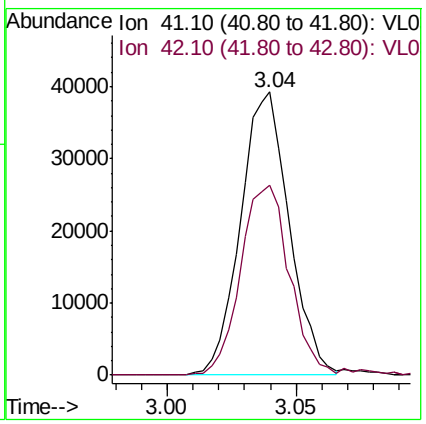


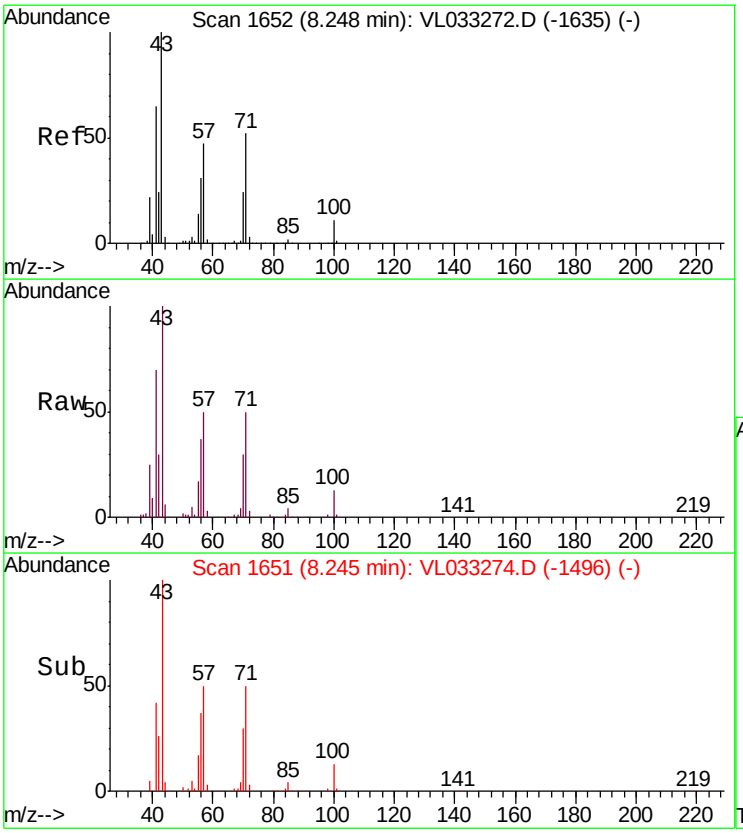
#9
Propene
Concen: 0.993 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 51686

Ion	Ratio	Lower	Upper
41	100		
42	68.6	54.6	82.0

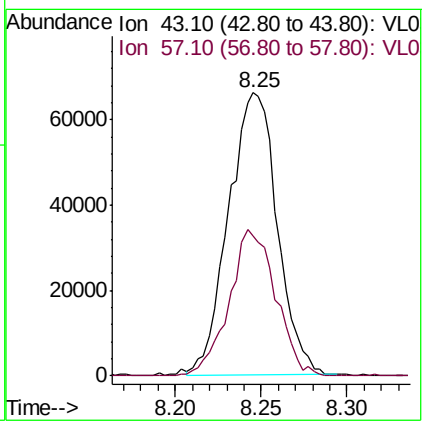


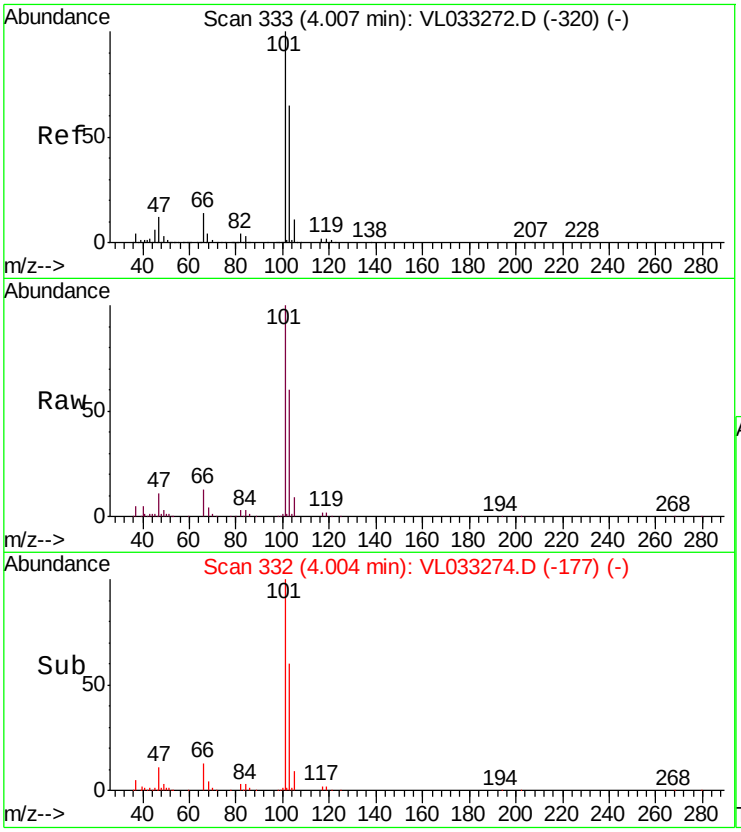


#10
Heptane
Concen: 1.053 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 43 Resp: 130041

Ion	Ratio	Lower	Upper
43	100		
57	49.5	39.8	59.8



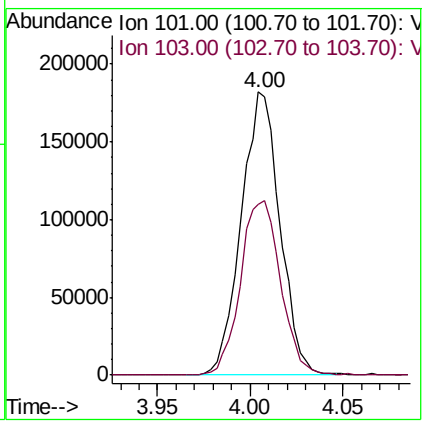


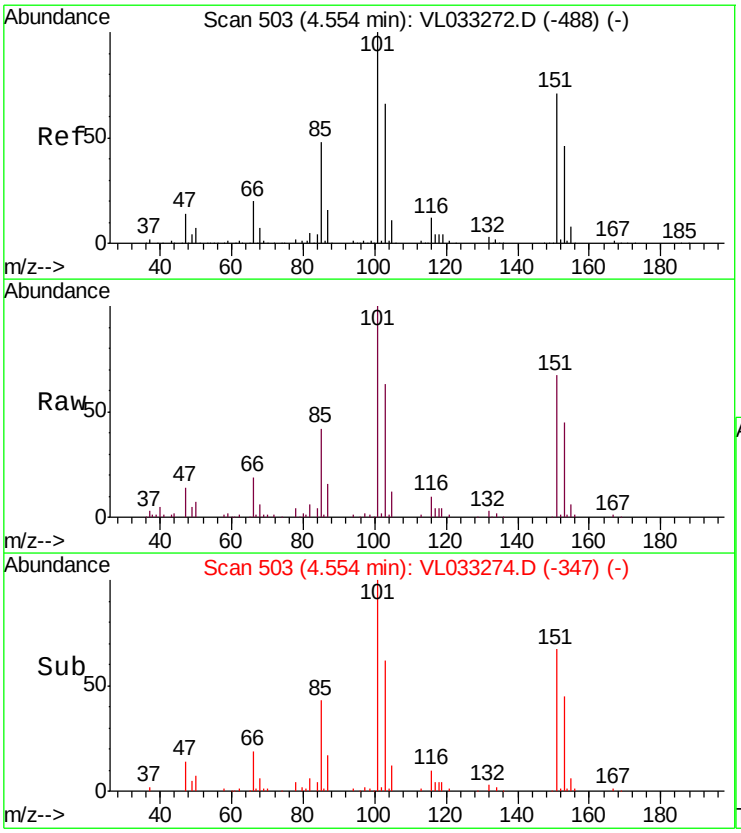
#11
Trichlorofluoromethane
Concen: 1.631 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 263395

Ion	Ratio	Lower	Upper
101	100		
103	60.3	51.8	77.8

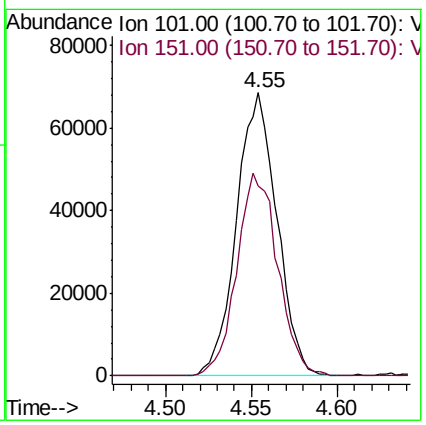


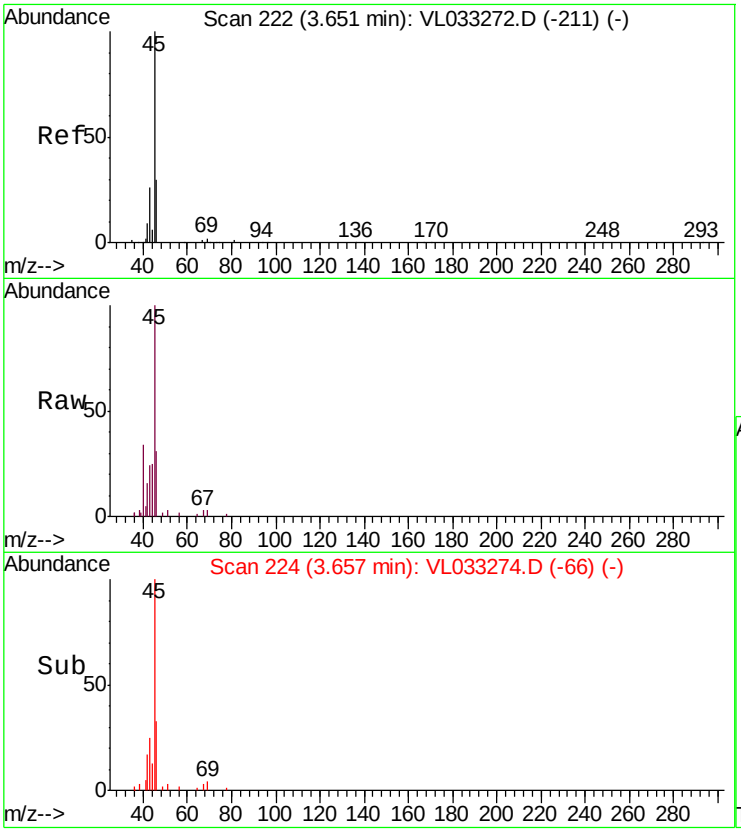


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.102 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:101 Resp: 111912

Ion	Ratio	Lower	Upper
101	100		
151	72.8	56.9	85.3



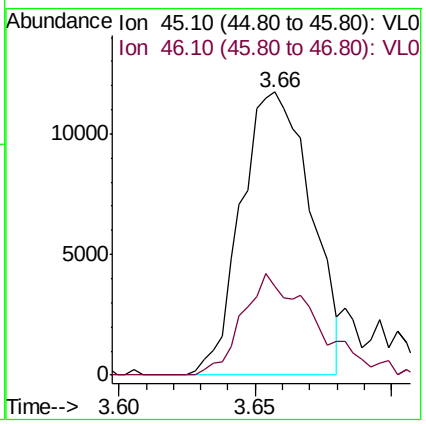


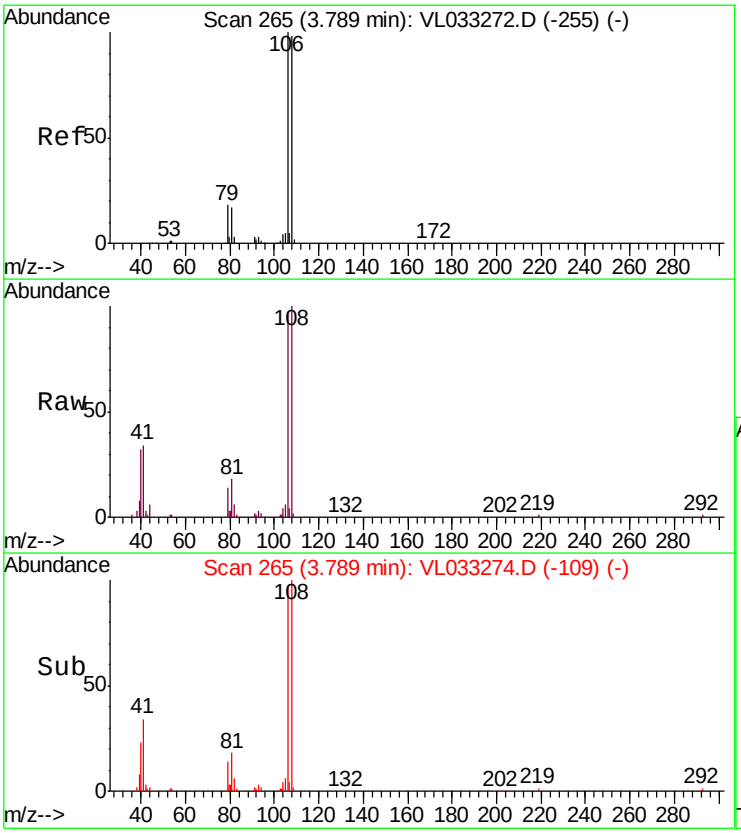
#13
Ethanol
Concen: 1.437 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 20894

Ion	Ratio	Lower	Upper
45	100		
46	37.7	13.9	55.7

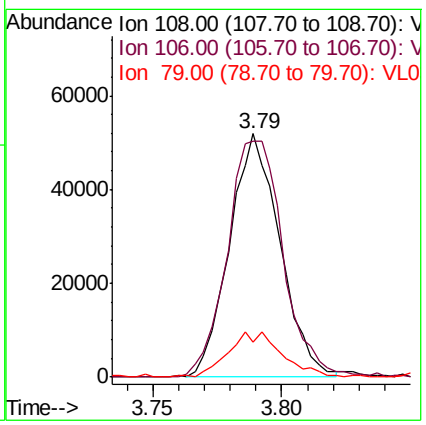


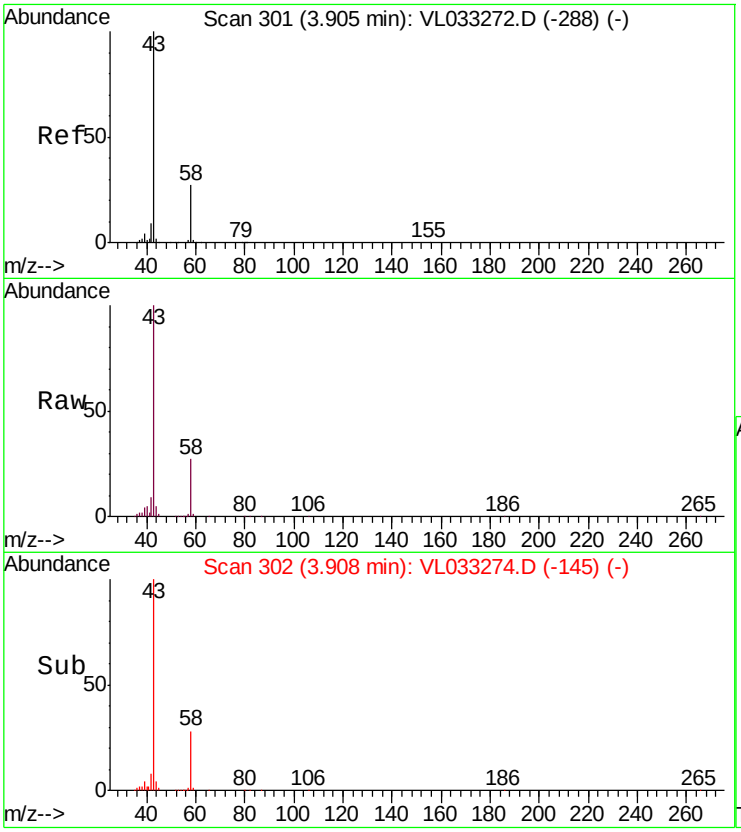


#14
Bromoethene
Concen: 1.694 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:108 Resp: 70790

Ion	Ratio	Lower	Upper
108	100		
106	108.7	85.9	128.9
79	20.5	14.9	22.3



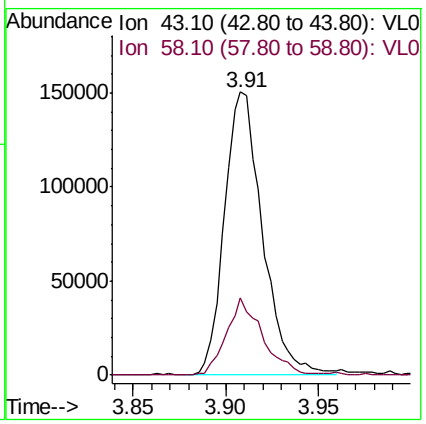


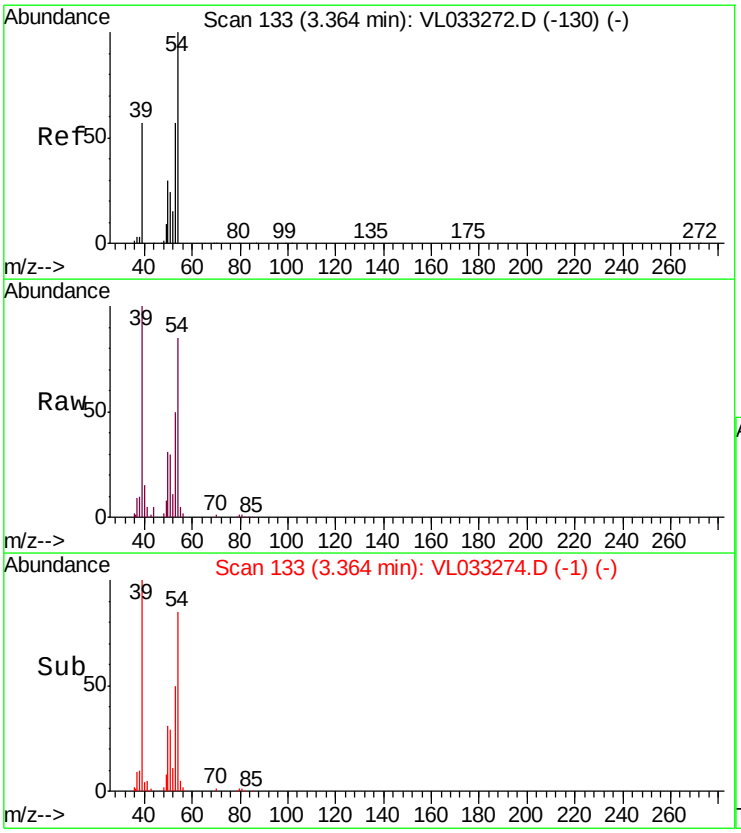
#15
Acetone
Concen: 1.857 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 214997

Ion	Ratio	Lower	Upper
43	100		
58	26.3	21.1	31.7

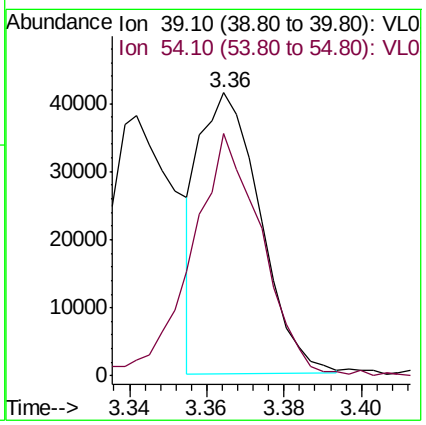


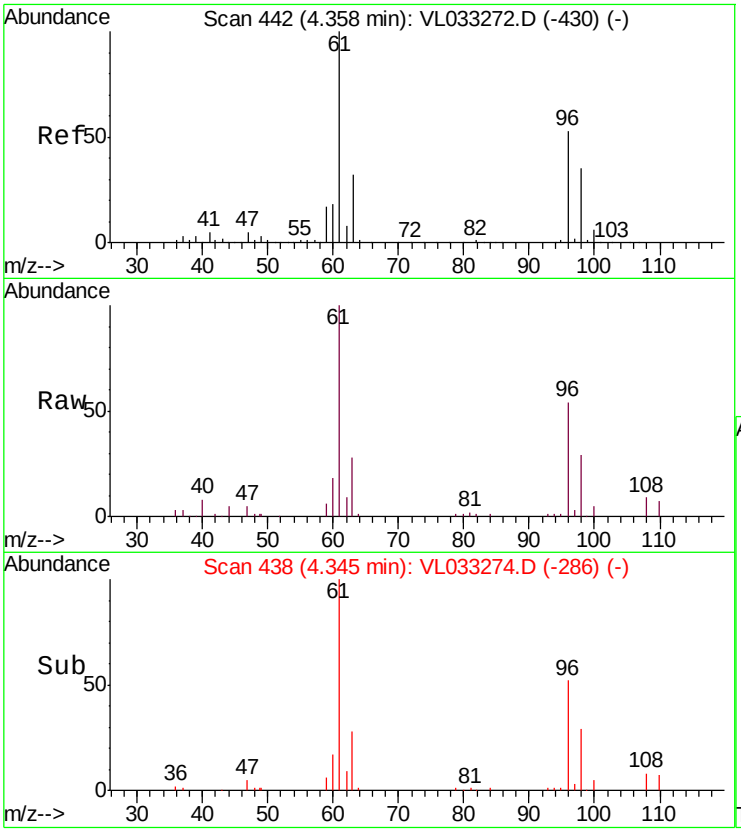


#16
1,3-Butadiene
Concen: 0.899 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 39 Resp: 44915

Ion	Ratio	Lower	Upper
39	100		
54	100.5	76.6	114.8



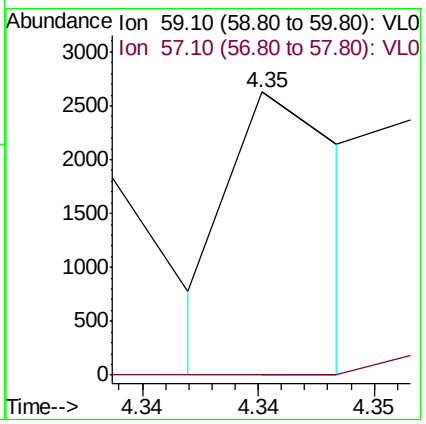


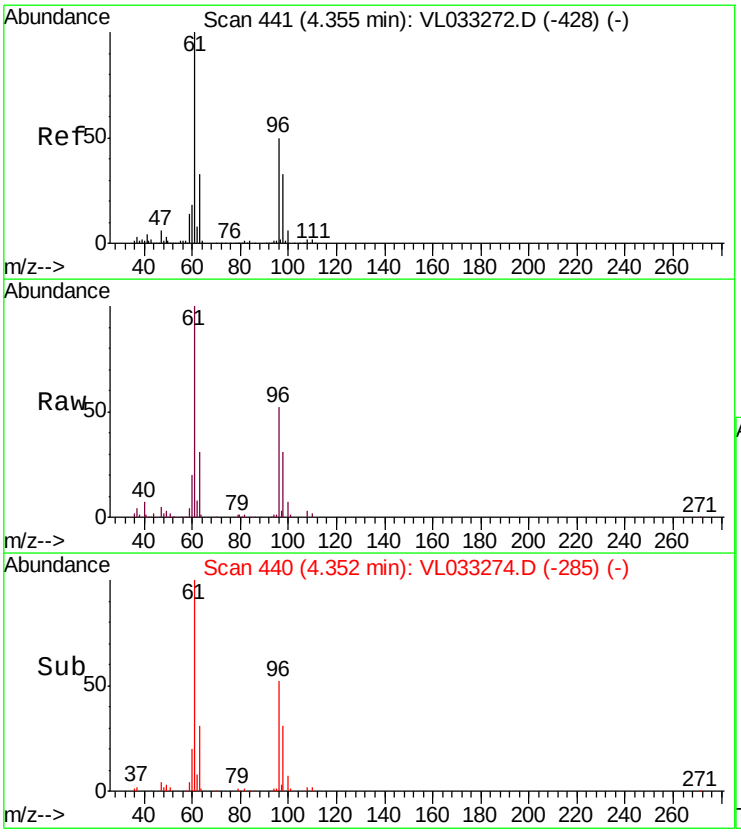
#17
tert-Butyl alcohol
Concen: 0.051 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 920

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.5	11.3#

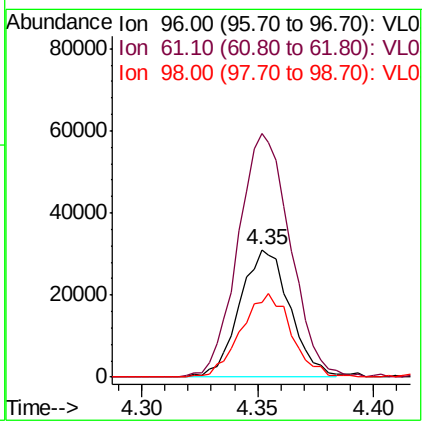


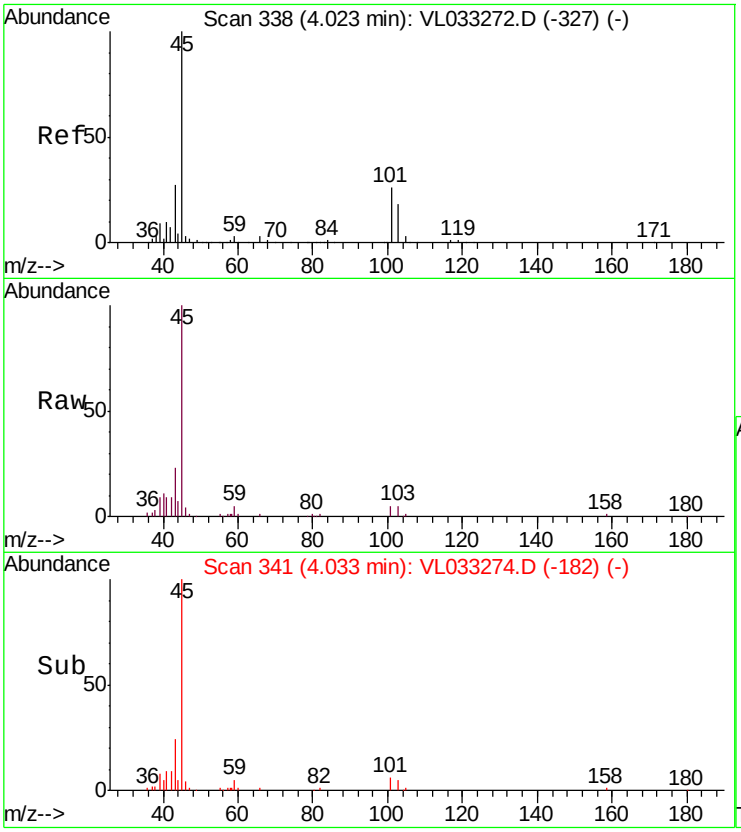


#18
1,1-Dichloroethene
Concen: 1.044 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 96 Resp: 46466

Ion	Ratio	Lower	Upper
96	100		
61	189.6	158.9	238.3
98	58.2	52.4	78.6



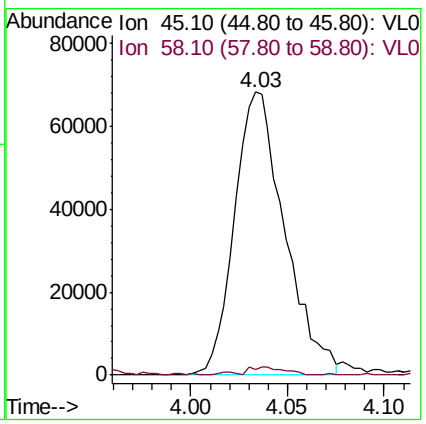


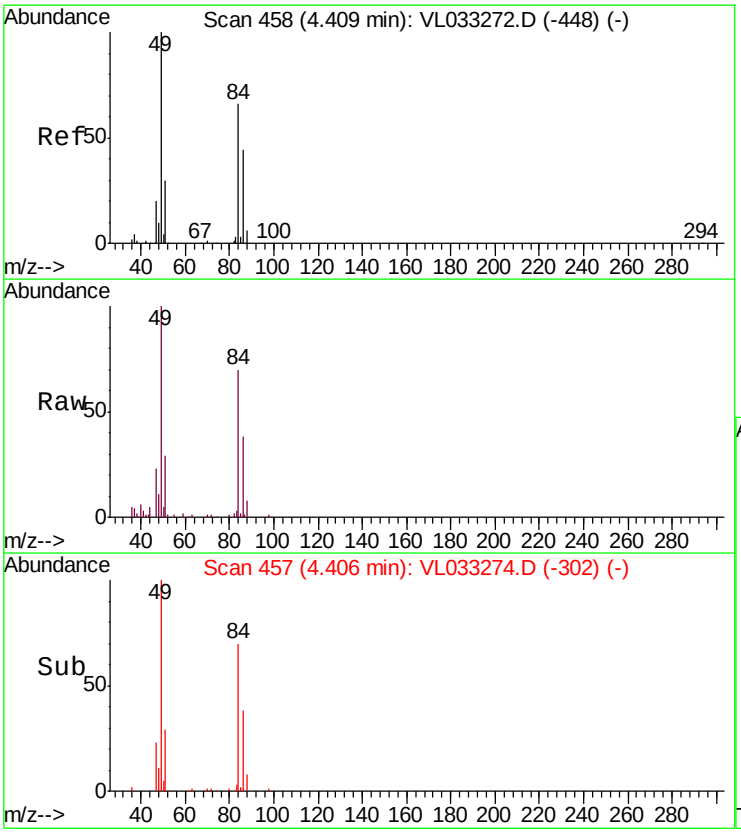
#19
Isopropyl Alcohol
Concen: 1.774 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 123189

Ion	Ratio	Lower	Upper
45	100		
58	2.7	1.4	2.2#

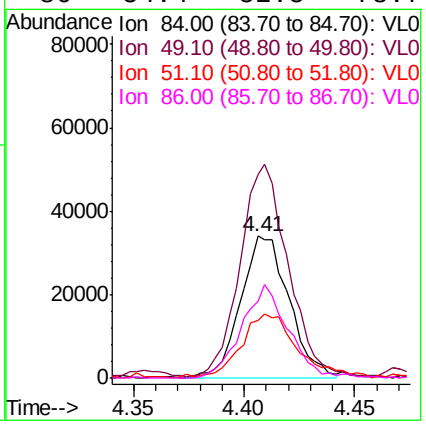


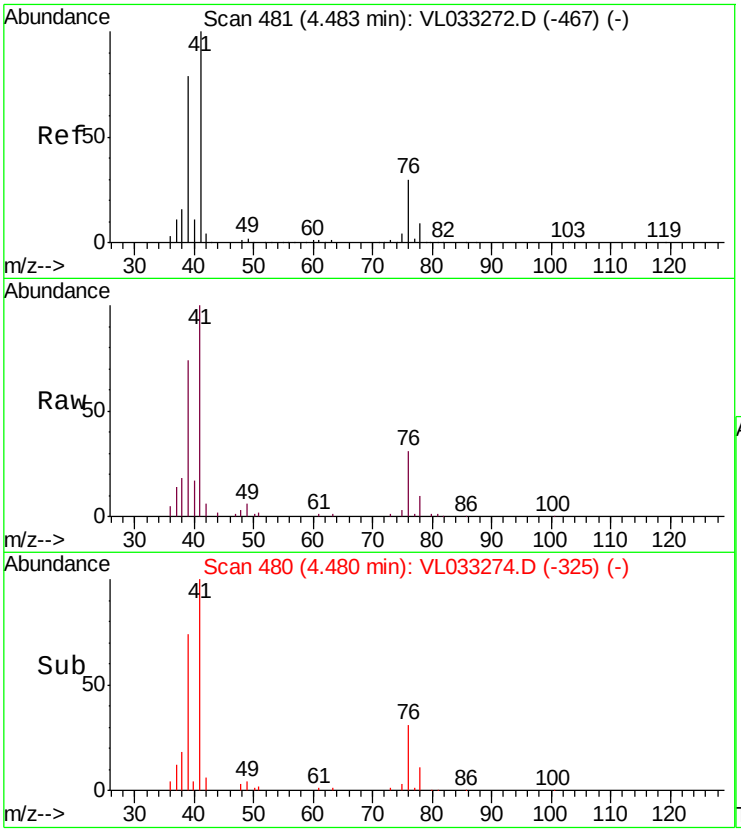


#20
Methylene Chloride
Concen: 1.129 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 84 Resp: 51613

Ion	Ratio	Lower	Upper
84	100		
49	142.7	120.3	180.5
51	38.2	36.2	54.4
86	54.4	52.5	78.7



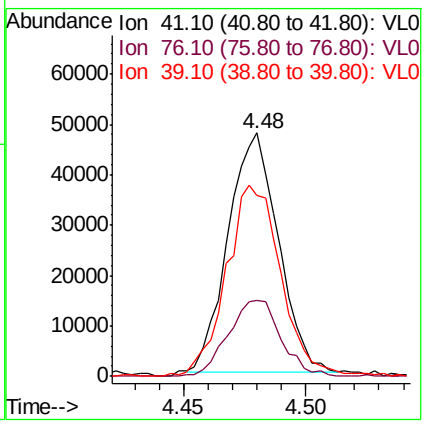


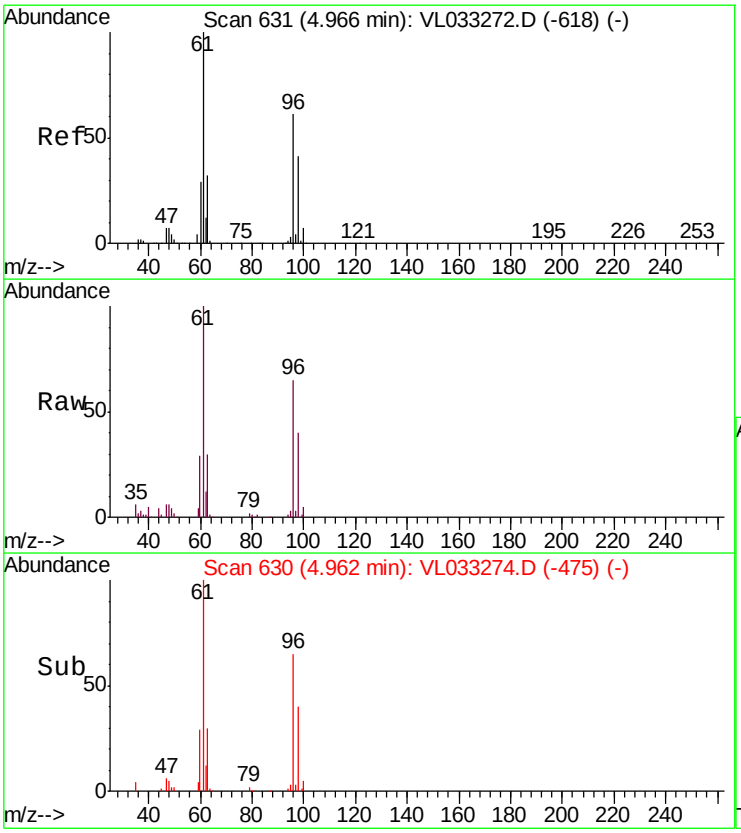
#21
Allyl Chloride
Concen: 1.018 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 41 Resp: 68155

Ion	Ratio	Lower	Upper
41	100		
76	33.4	25.0	37.4
39	87.3	64.2	96.4

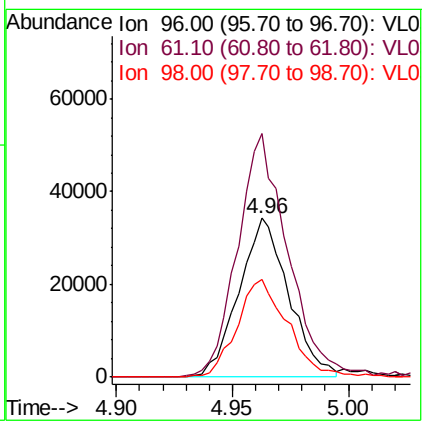


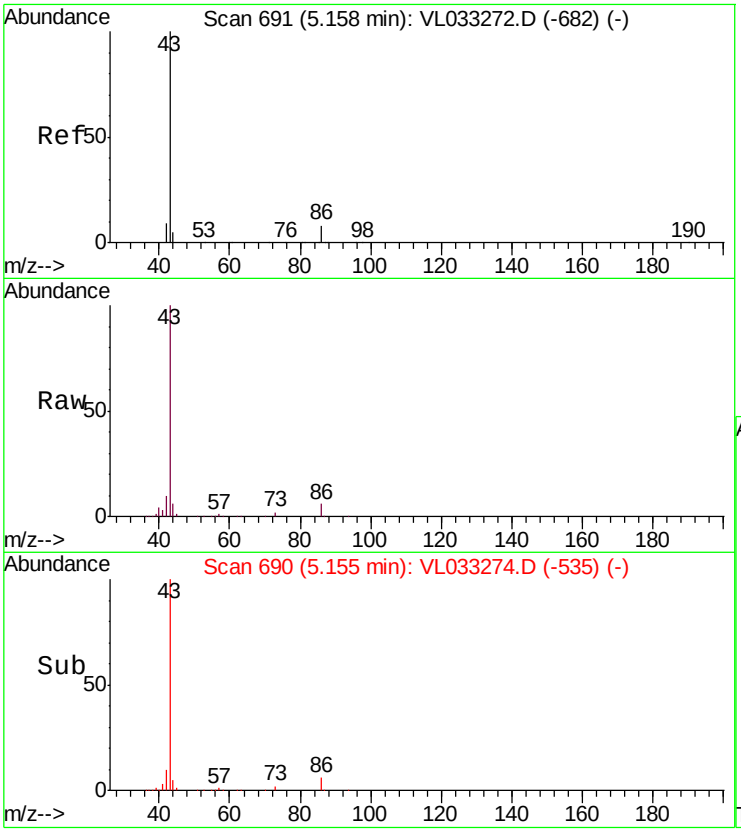


#22
trans-1,2-Dichloroethene
Concen: 1.081 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 96 Resp: 51270

Ion	Ratio	Lower	Upper
96	100		
61	152.6	131.6	197.4
98	60.9	54.1	81.1



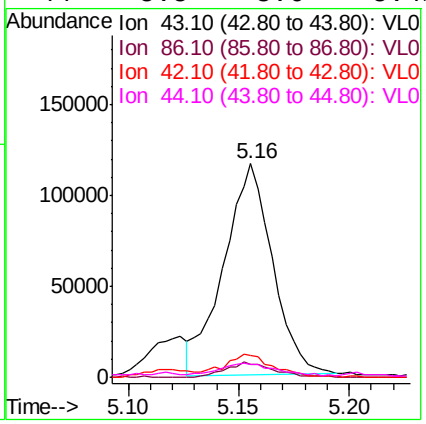


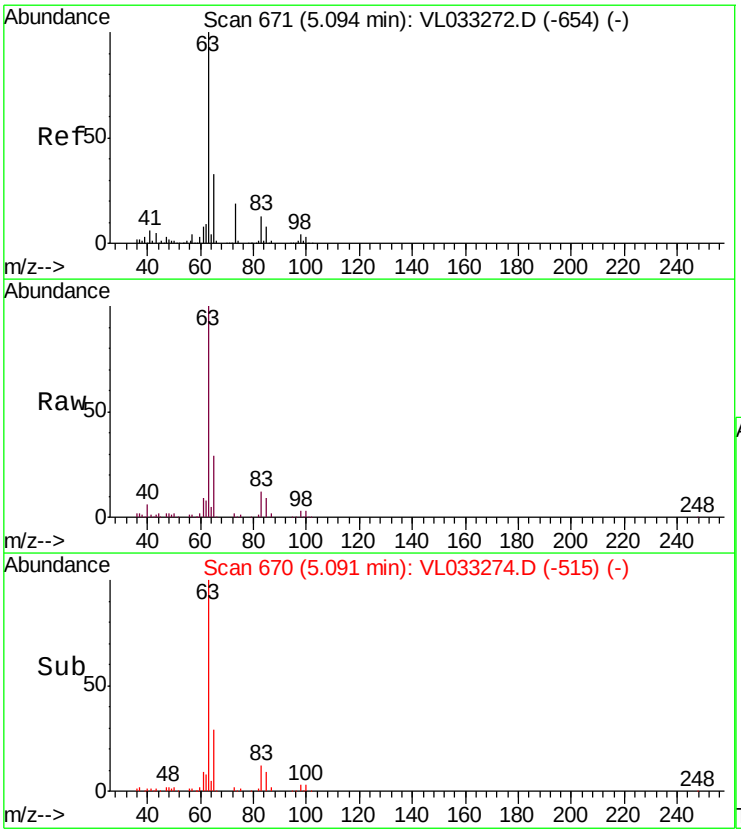
#23
Vinyl Acetate
Concen: 1.106 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 177447

Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.5	8.3
42	9.7	7.8	11.6
44	5.5	3.6	5.4#

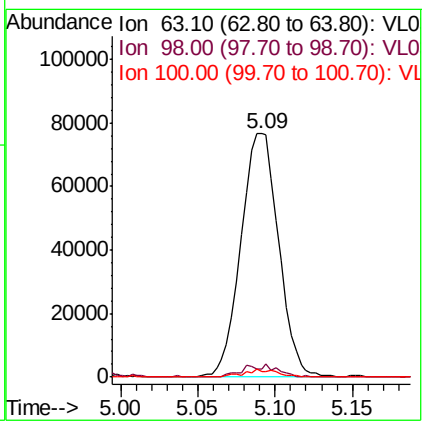


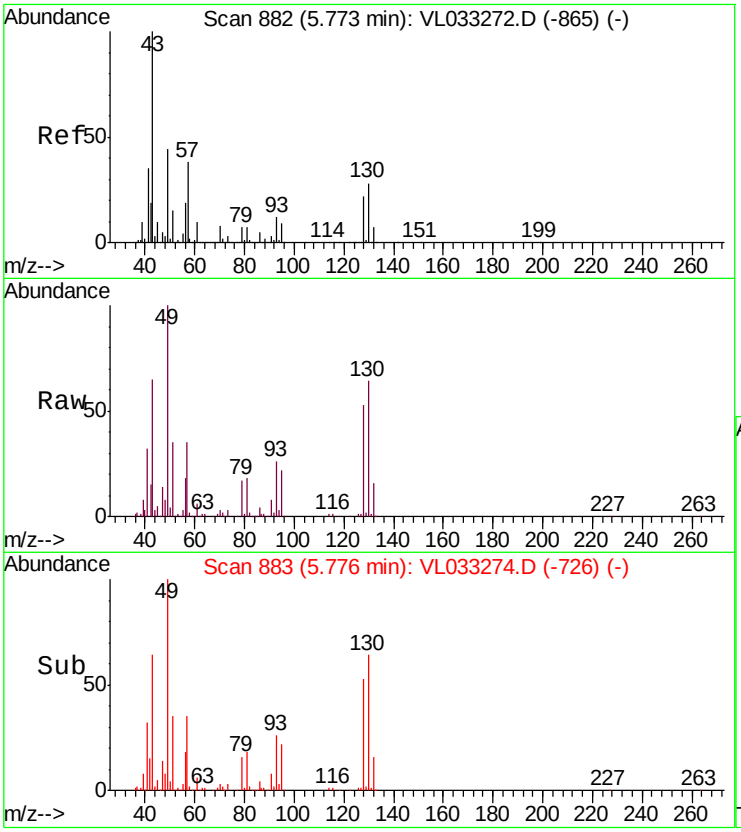


#24
1,1-Dichloroethane
Concen: 1.072 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 63 Resp: 130518

Ion	Ratio	Lower	Upper
63	100		
98	3.1	2.2	6.6
100	2.5	1.5	4.4



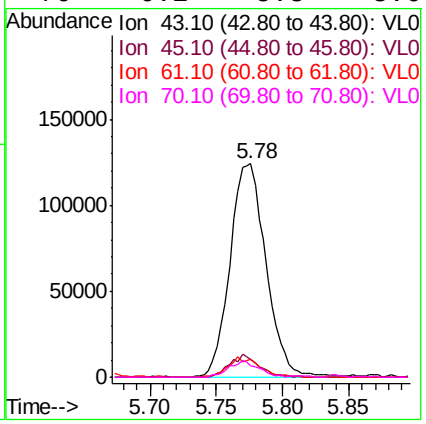


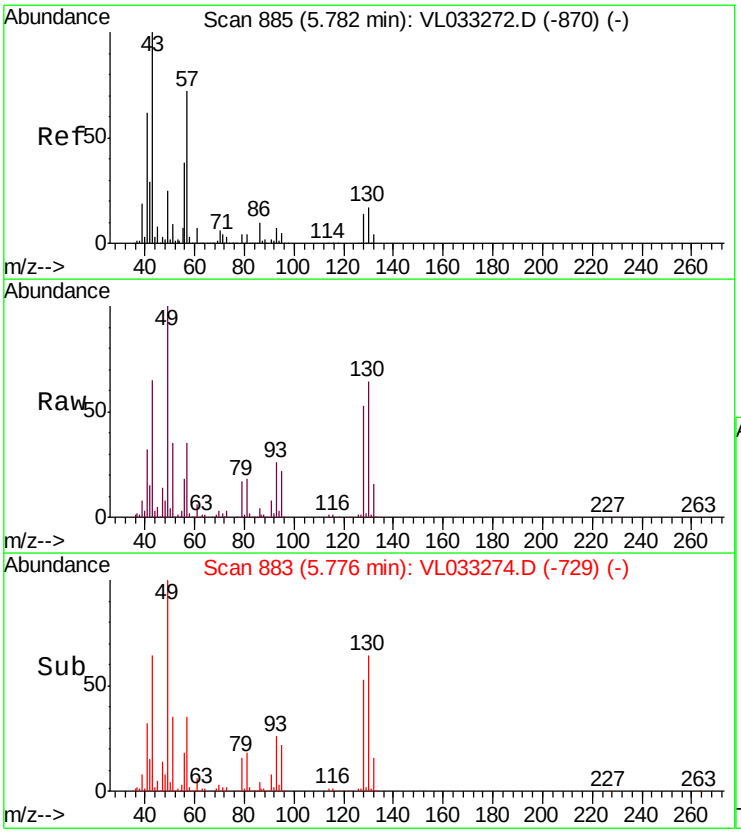
#25
Ethyl Acetate
Concen: 1.108 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 234745

Ion	Ratio	Lower	Upper
43	100		
45	8.8	7.8	11.6
61	8.4	7.3	10.9
70	6.2	5.8	8.6

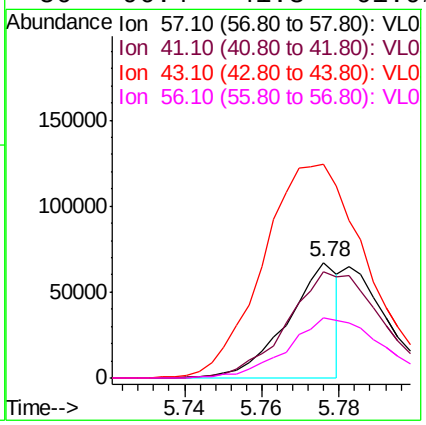


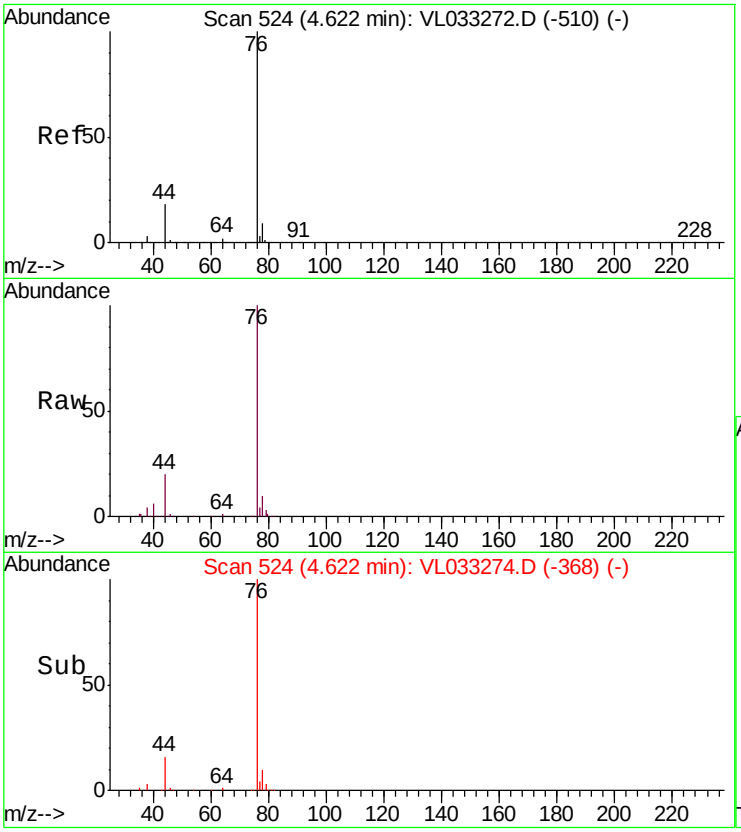


#26
Hexane
Concen: 0.613 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 57 Resp: 61215

Ion	Ratio	Lower	Upper
57	100		
41	170.7	70.7	106.1#
43	385.3	178.6	267.8#
56	96.4	41.3	61.9#



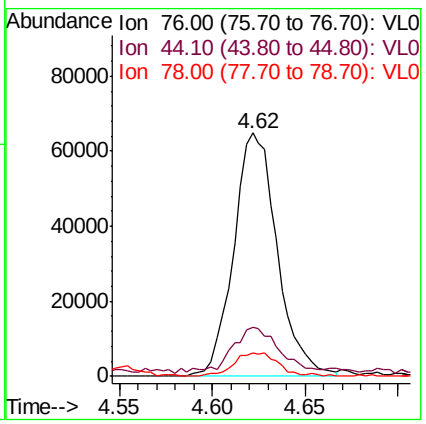


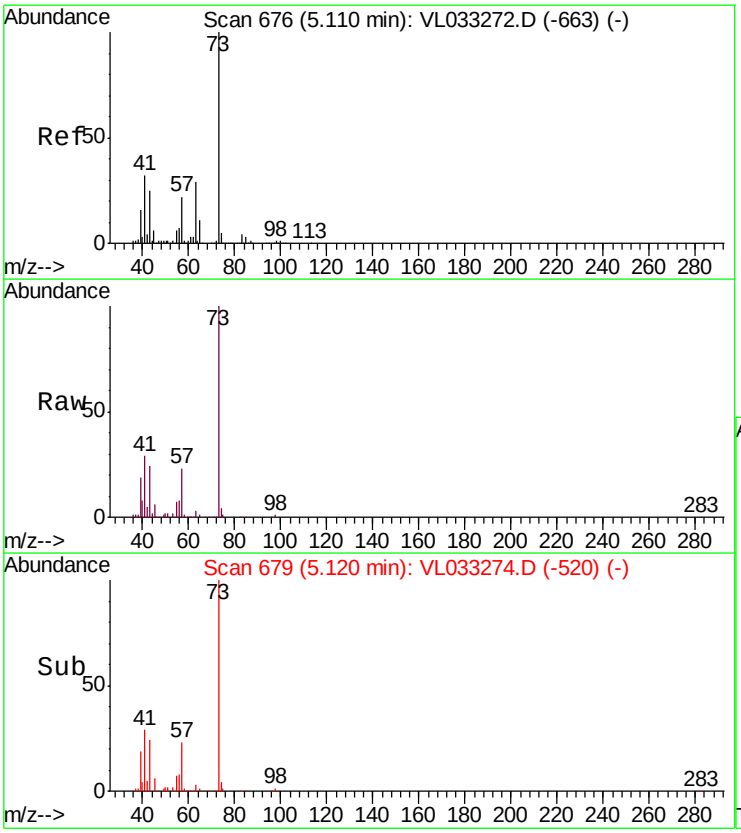
#27
Carbon Disulfide
Concen: 1.047 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 76 Resp: 105891

Ion	Ratio	Lower	Upper
76	100		
44	20.2	15.1	22.7
78	10.2	7.4	11.0

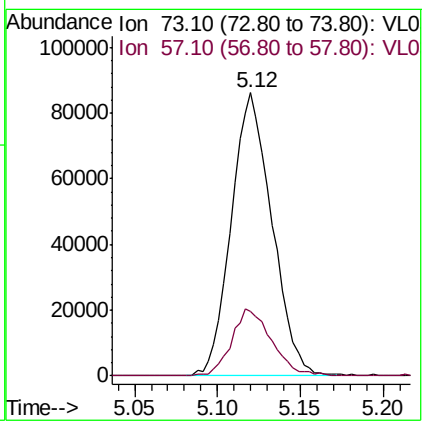


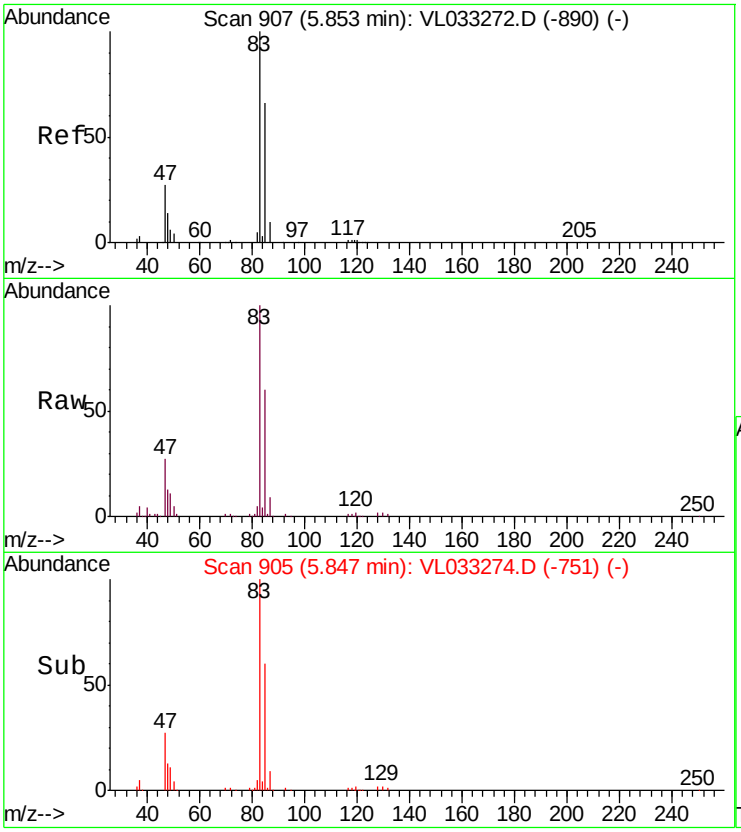


#28
Methyl tert-Butyl Ether
Concen: 1.117 ppbv
RT: 5.12 min Scan# 679
Delta R.T. 0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 73 Resp: 147168

Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.9	26.9



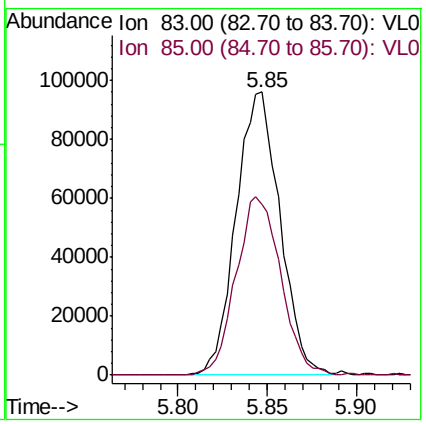


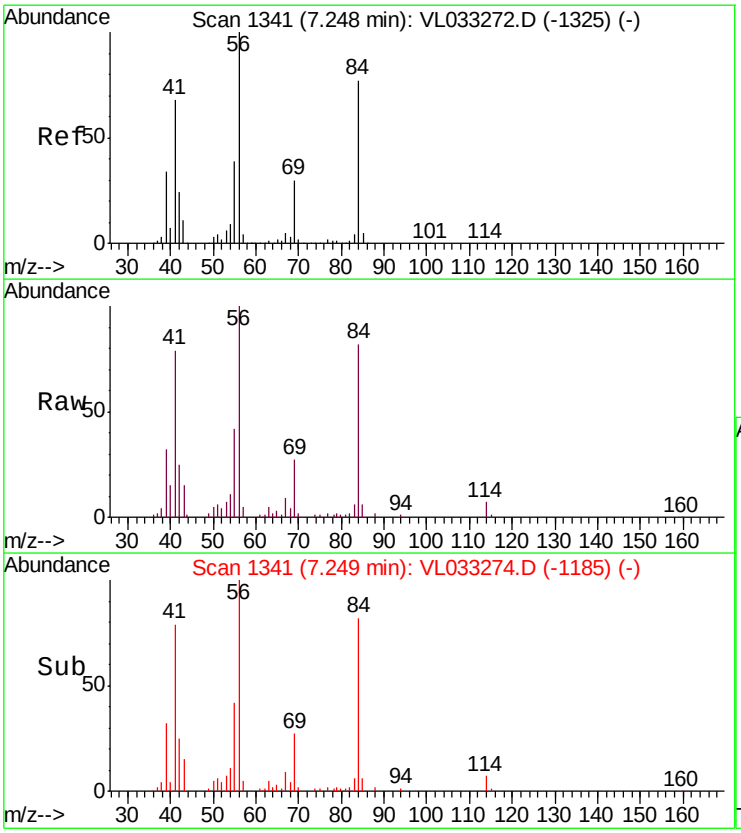
#29
Chloroform
Concen: 1.090 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 165530

Ion	Ratio	Lower	Upper
83	100		
85	60.1	52.5	78.7

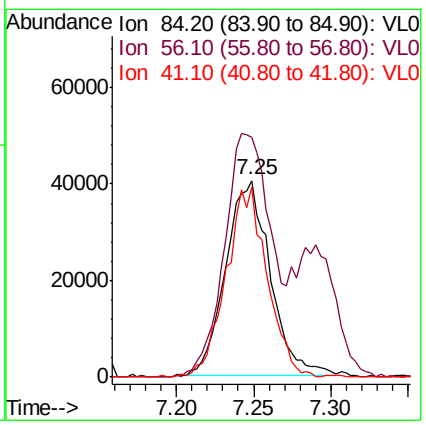


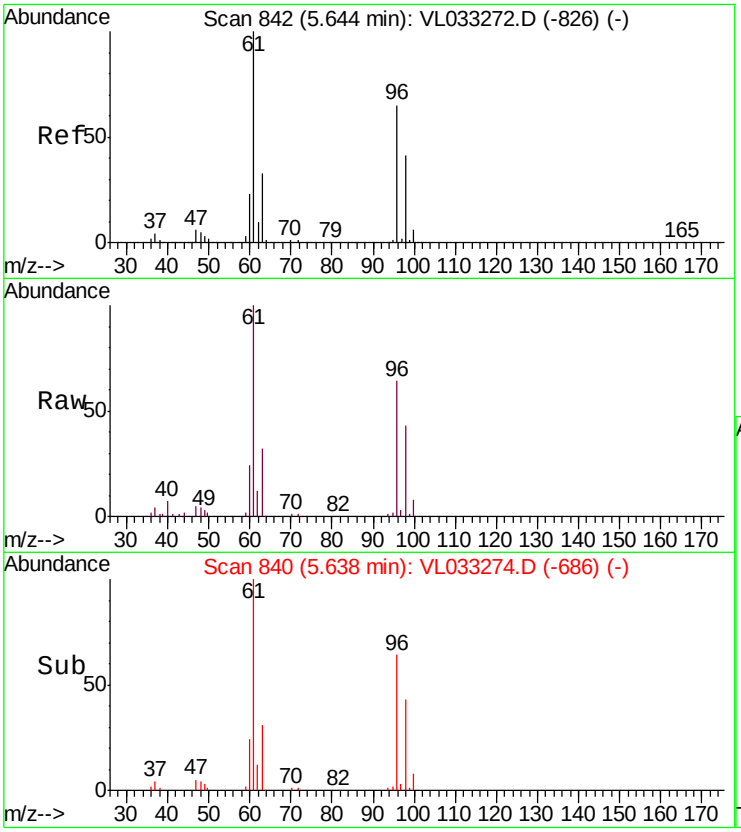


#30
Cyclohexane
Concen: 1.078 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 84 Resp: 80871

Ion	Ratio	Lower	Upper
84	100		
56	194.3	112.0	168.0#
41	90.4	69.9	104.9



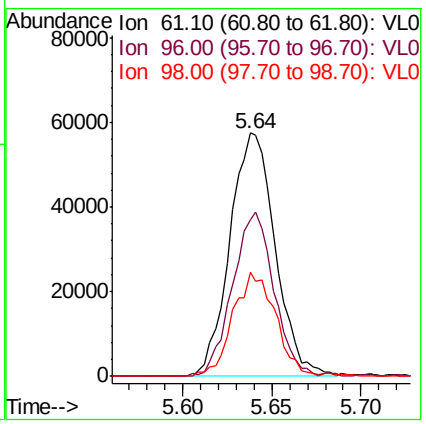


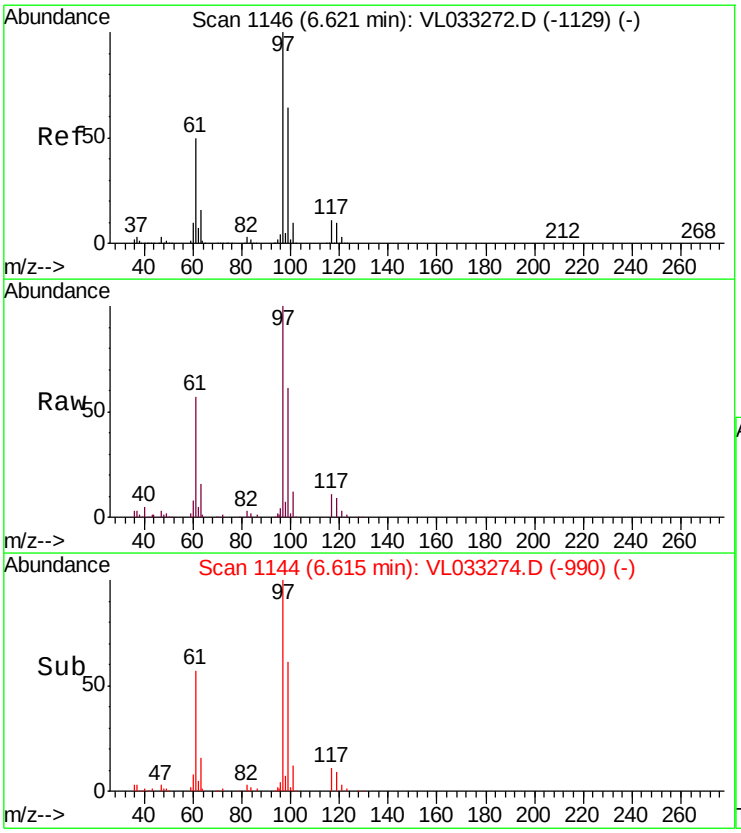
#31
cis-1,2-Dichloroethene
Concen: 1.073 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 101212

Ion	Ratio	Lower	Upper
61	100		
96	64.3	51.8	77.8
98	42.2	32.9	49.3

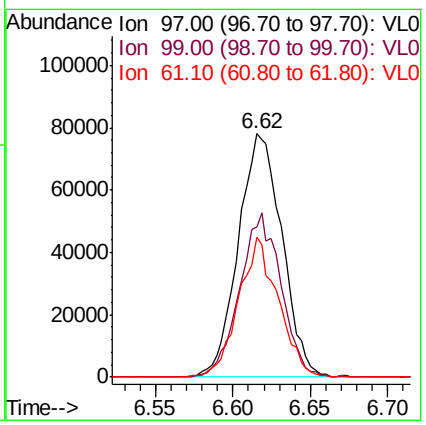


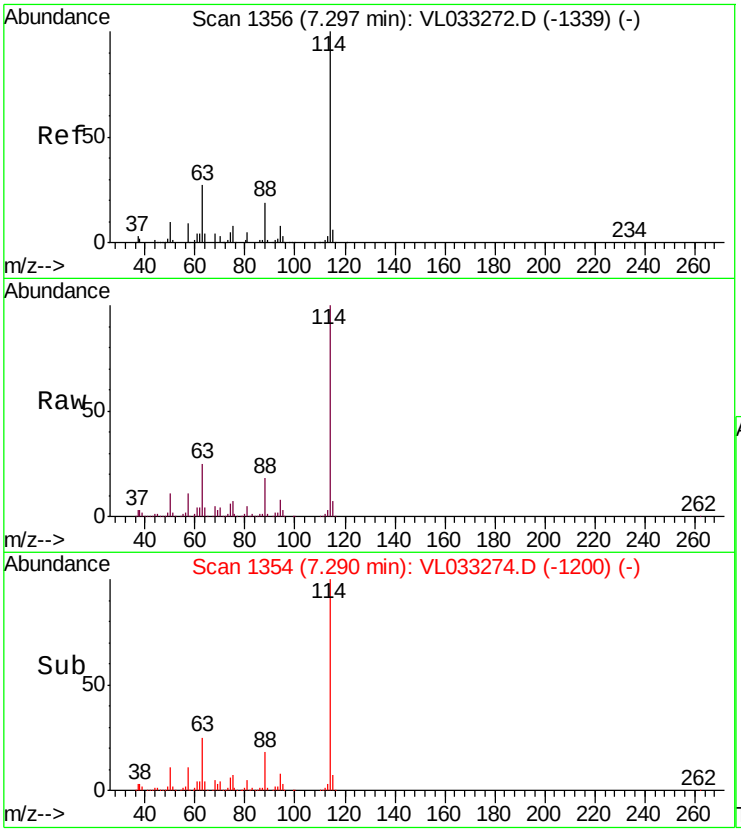


#32
1,1,1-Trichloroethane
Concen: 1.071 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 97 Resp: 153341

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.7	77.5
61	52.0	39.7	59.5



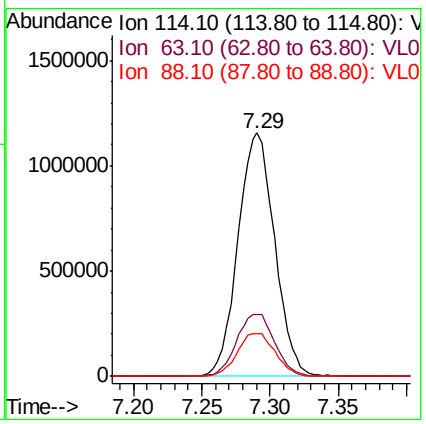


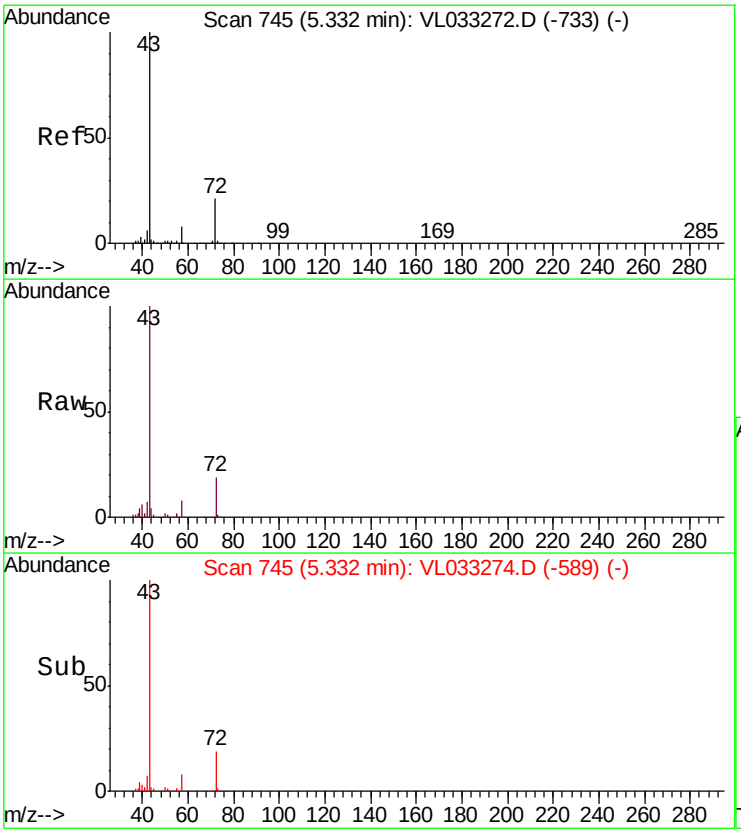
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 2157509

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	18.3	14.6	22.0

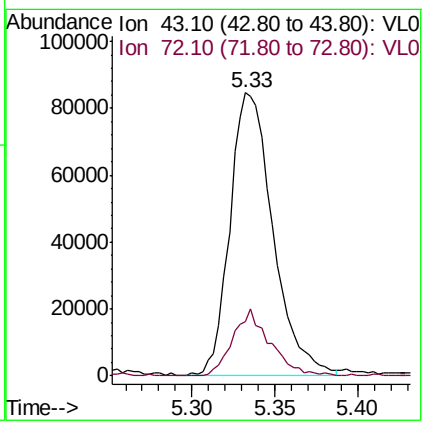


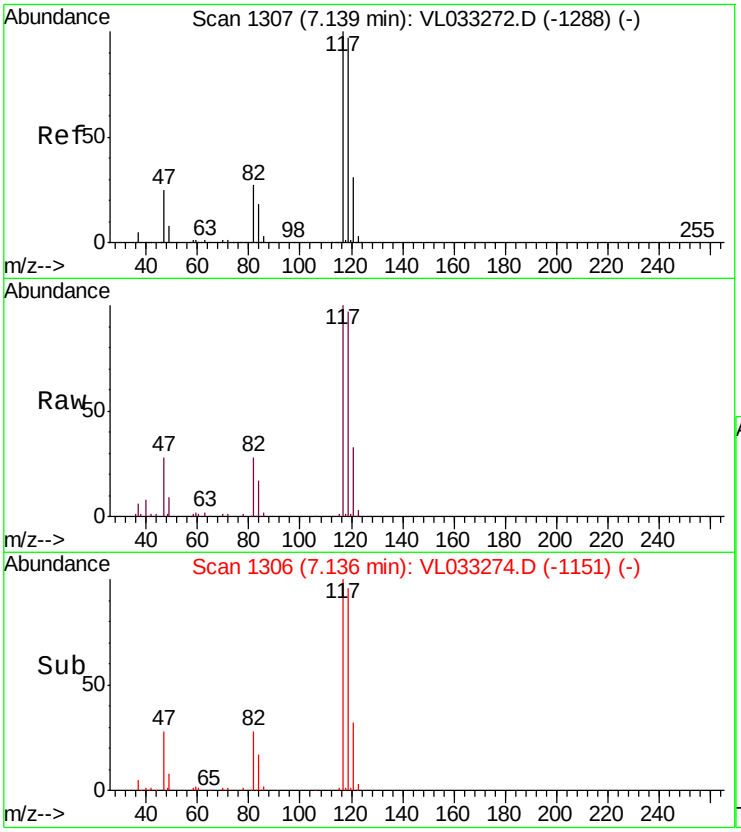


#34
2-Butanone
Concen: 1.134 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 43 Resp: 151699

Ion	Ratio	Lower	Upper
43	100		
72	20.9	17.0	25.6



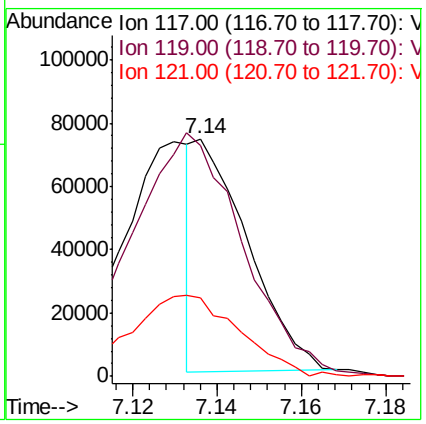


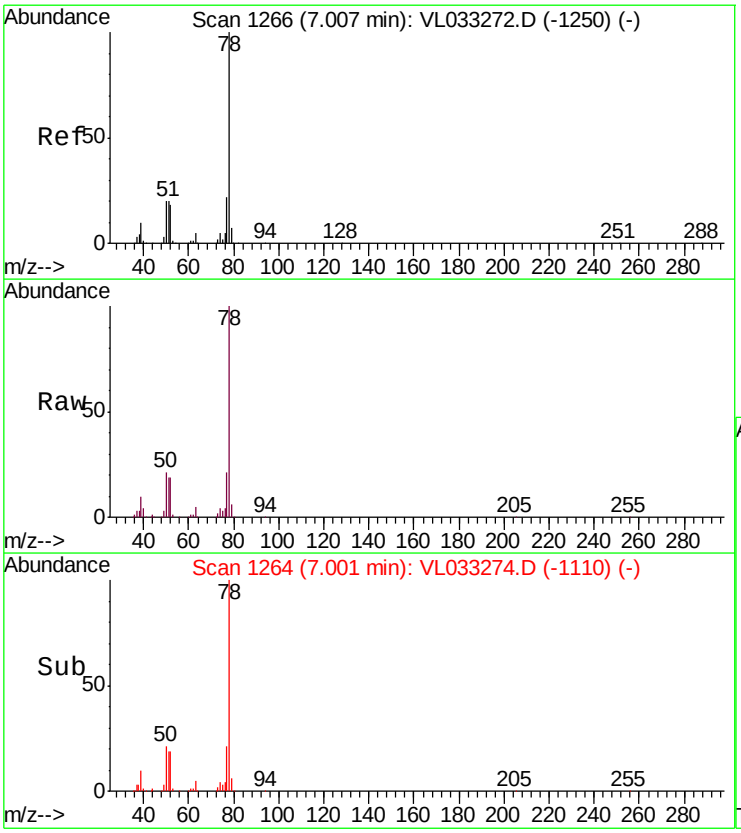
#35
Carbon Tetrachloride
Concen: 0.436 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:117 Resp: 64415

Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.4	116.0
121	32.9	24.9	37.3

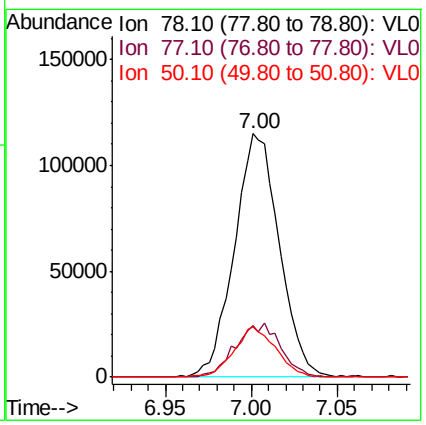


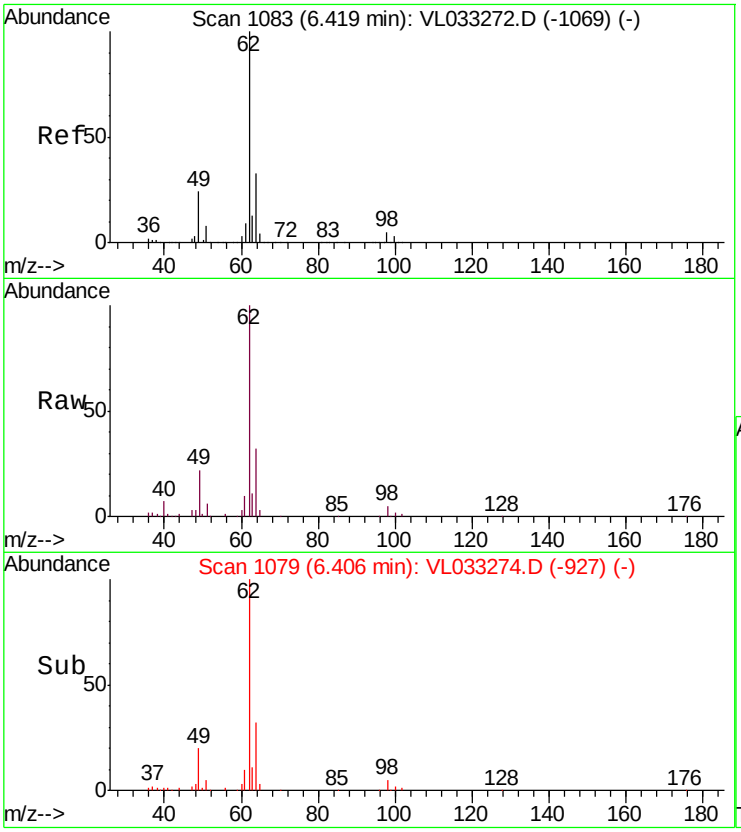


#36
Benzene
Concen: 1.087 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 78 Resp: 207305

Ion	Ratio	Lower	Upper
78	100		
77	21.0	17.7	26.5
50	20.7	15.7	23.5



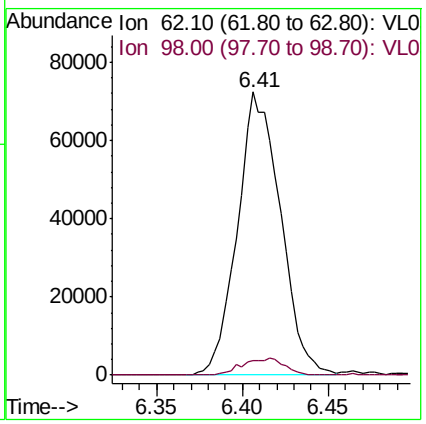


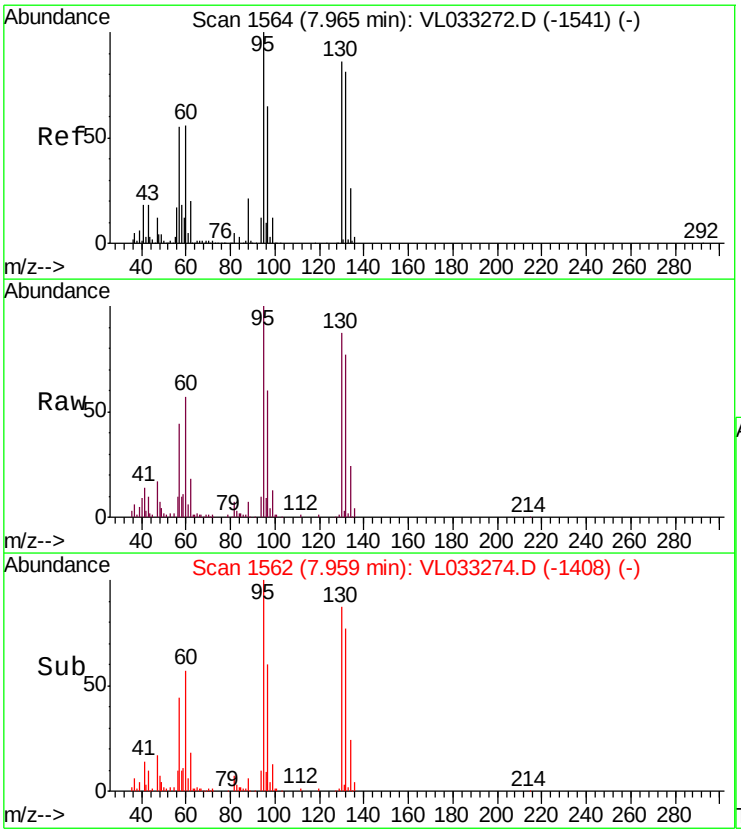
#37
1,2-Dichloroethane
Concen: 1.036 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 126141

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.5	6.7

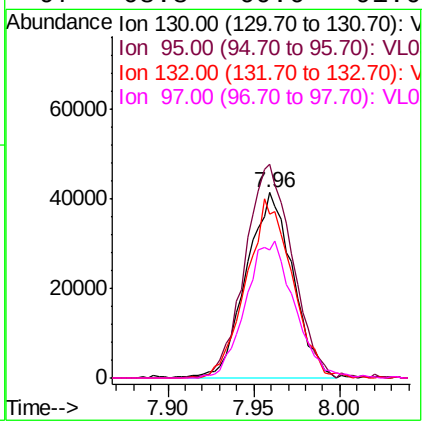


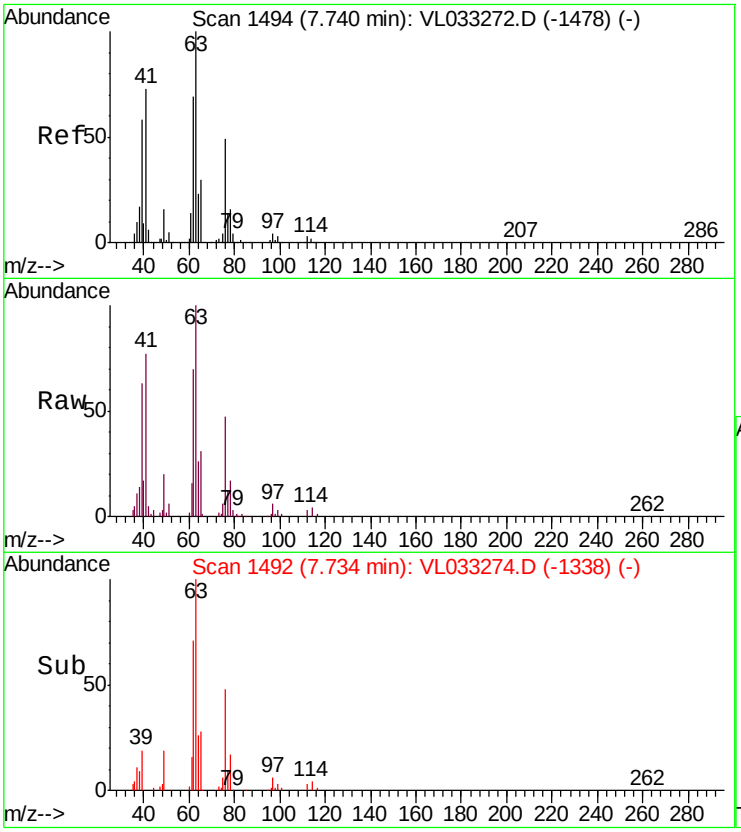


#38
Trichloroethene
Concen: 1.075 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:130 Resp: 77590

Ion	Ratio	Lower	Upper
130	100		
95	115.2	93.3	139.9
132	88.2	75.4	113.2
97	68.8	60.6	91.0



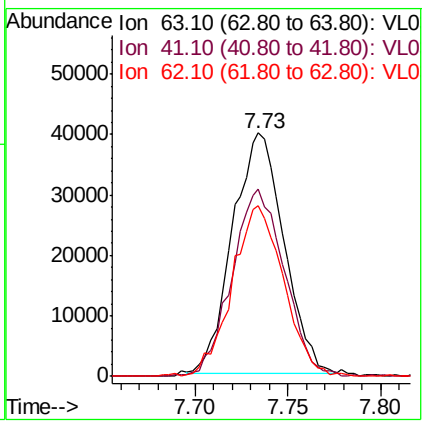


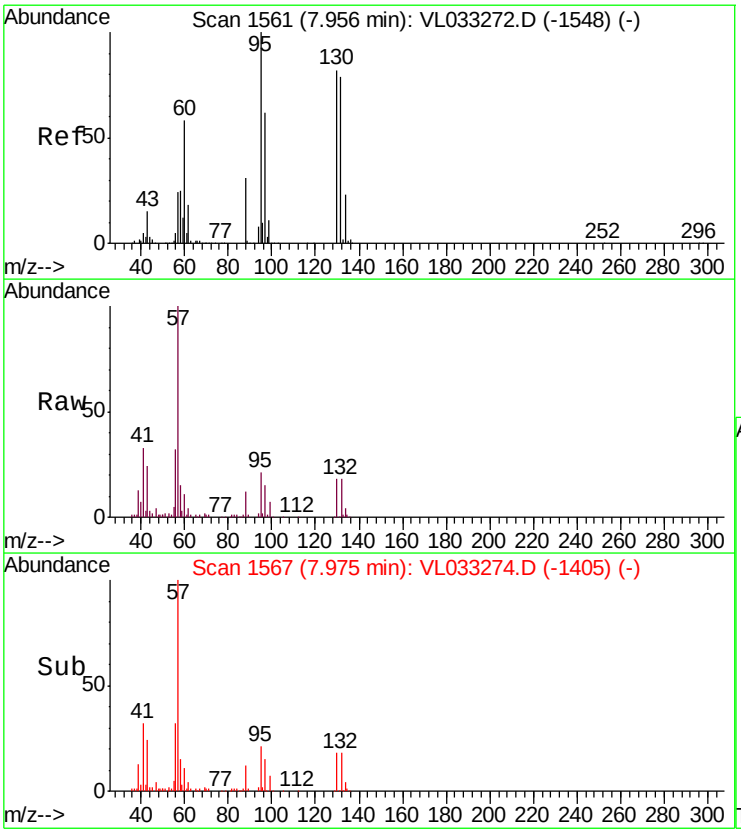
#39
1,2-Dichloropropane
Concen: 1.052 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 76743

Ion	Ratio	Lower	Upper
63	100		
41	77.5	58.3	87.5
62	68.5	55.3	82.9

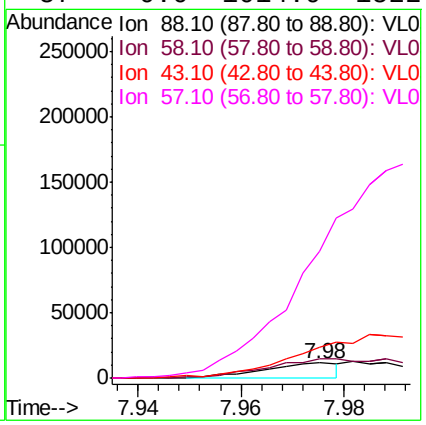


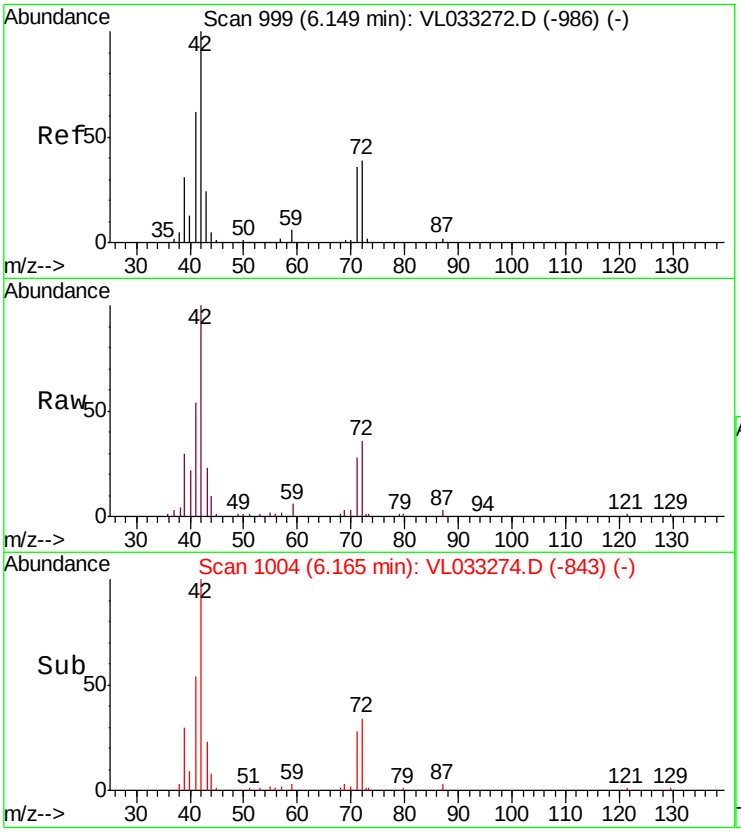


#40
1,4-Dioxane
Concen: 0.445 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. 0.02 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 88 Resp: 11912

Ion	Ratio	Lower	Upper
88	100		
58	0.0	107.0	160.6#
43	0.0	230.2	345.4#
57	0.0	1014.9	1522.3#



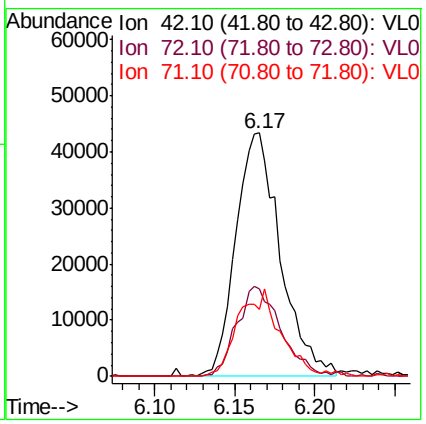


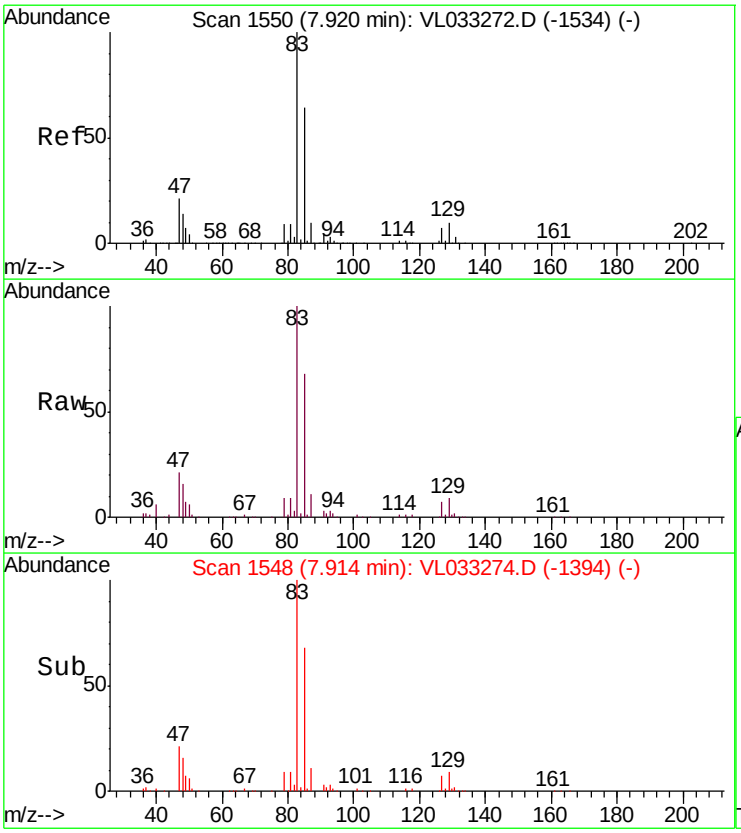
#41
Tetrahydrofuran
Concen: 1.090 ppbv
RT: 6.17 min Scan# 1004
Delta R.T. 0.02 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 82517

Ion	Ratio	Lower	Upper
42	100		
72	37.0	30.6	46.0
71	34.3	29.7	44.5

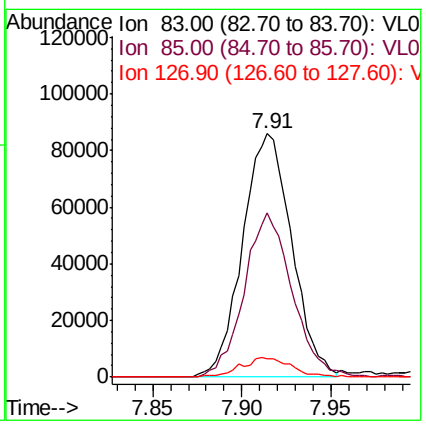


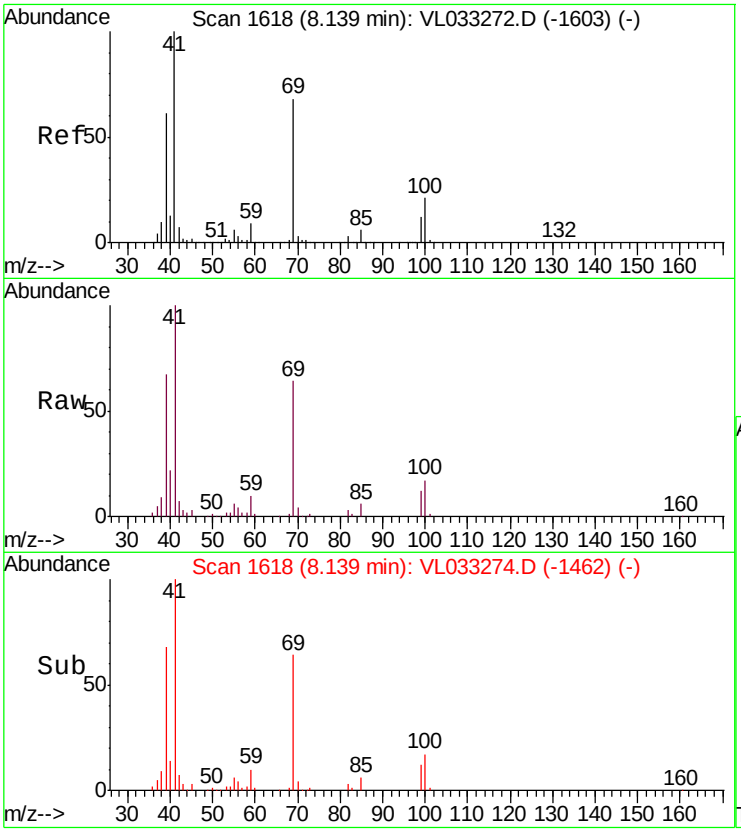


#42
Bromodichloromethane
Concen: 1.020 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 83 Resp: 165705

Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.0	76.4
127	7.5	6.0	9.0



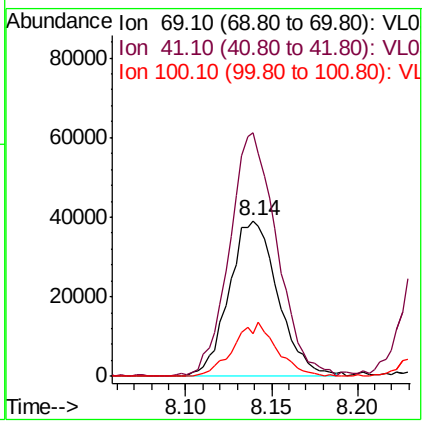


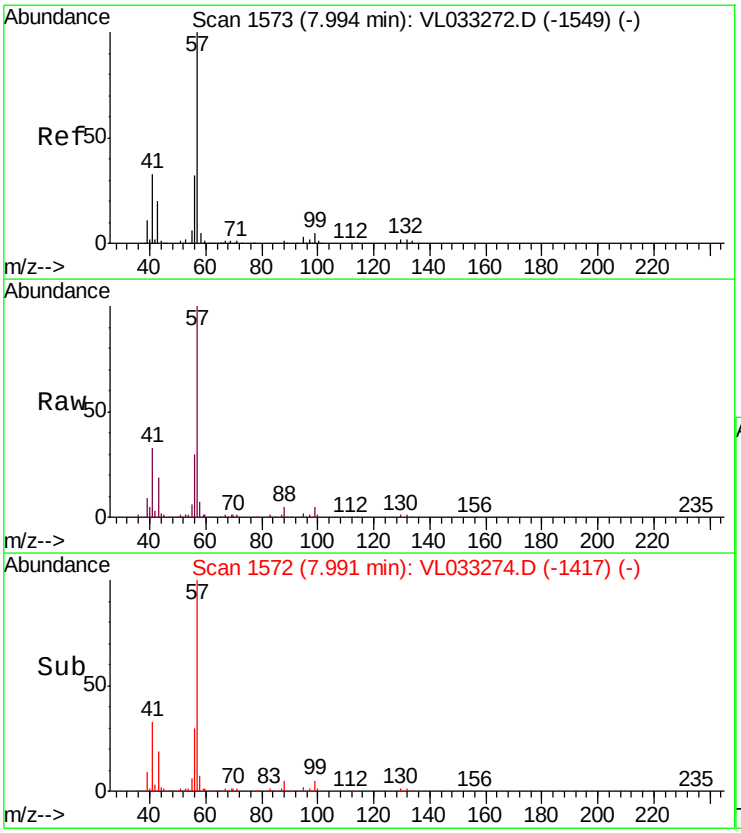
#43
Methyl Methacrylate
Concen: 1.037 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 69 Resp: 77272

Ion	Ratio	Lower	Upper
69	100		
41	153.0	121.0	181.4
100	30.8	24.4	36.6

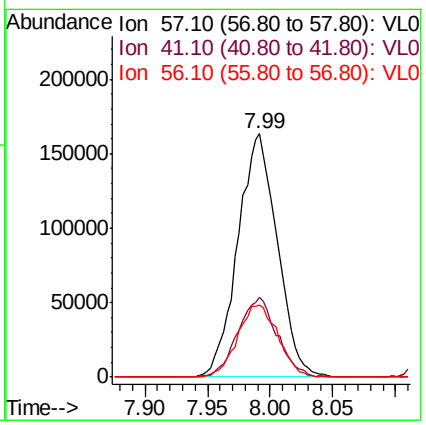


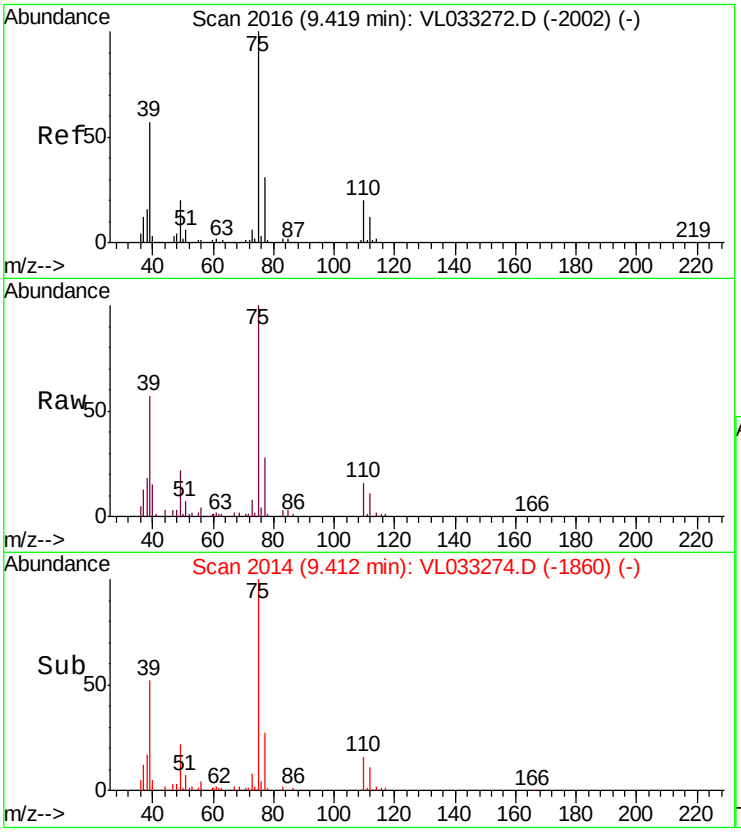


#44
2,2,4-Trimethylpentane
Concen: 1.087 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 57 Resp: 357653

Ion	Ratio	Lower	Upper
57	100		
41	32.7	26.2	39.2
56	30.6	24.8	37.2



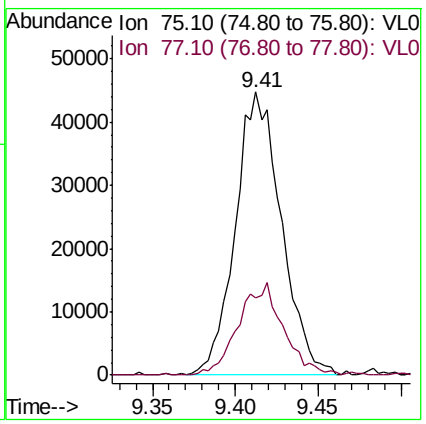


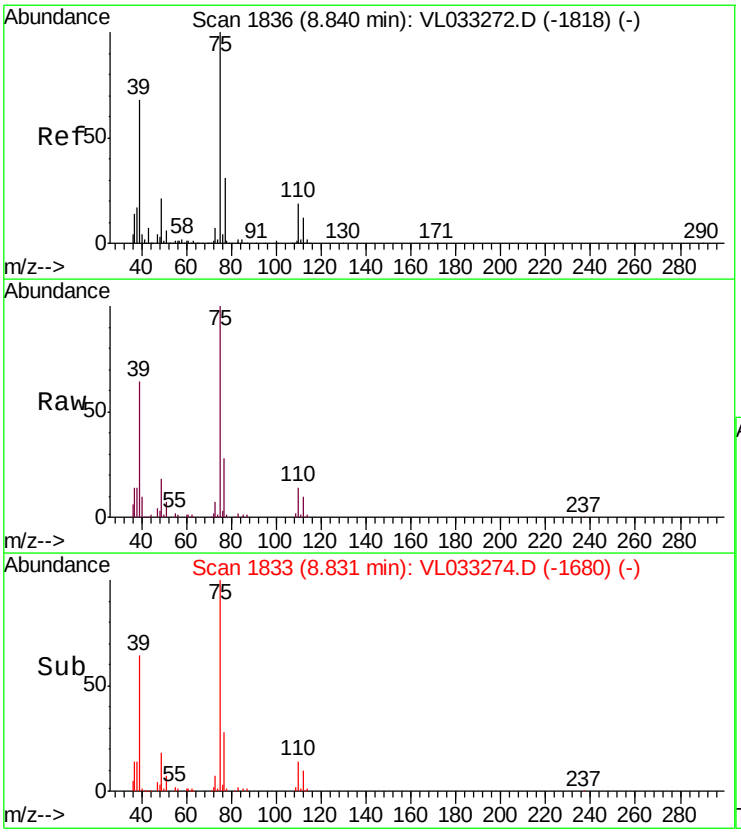
#45
t-1,3-Dichloropropene
Concen: 0.958 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 86528

Ion	Ratio	Lower	Upper
75	100		
77	27.5	24.4	36.6

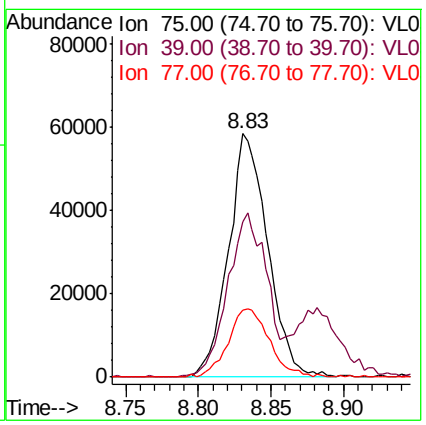


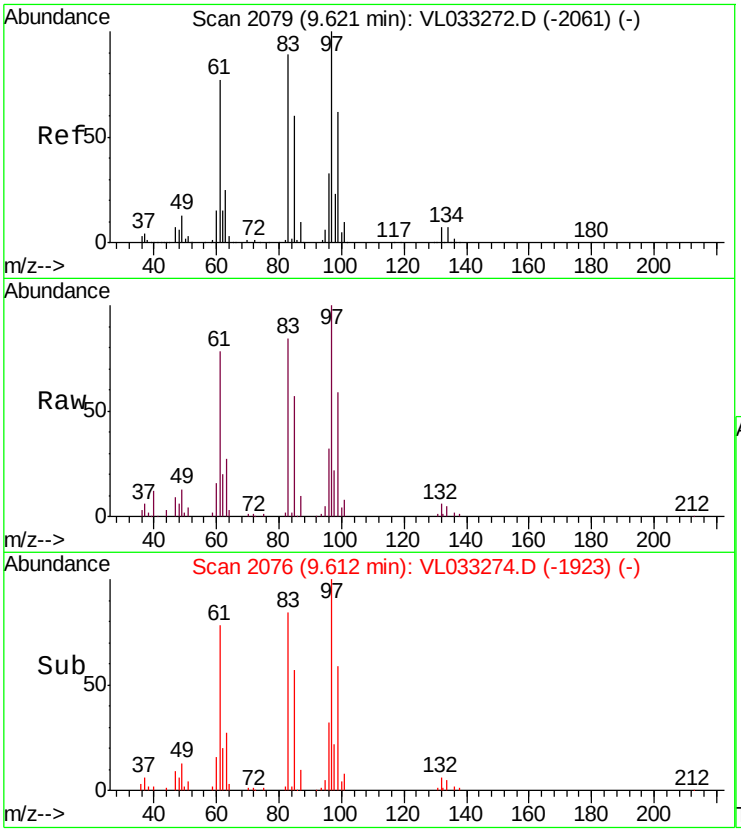


#46
cis-1,3-Dichloropropene
Concen: 1.030 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 75 Resp: 109603

Ion	Ratio	Lower	Upper
75	100		
39	63.0	54.2	81.2
77	27.7	24.5	36.7



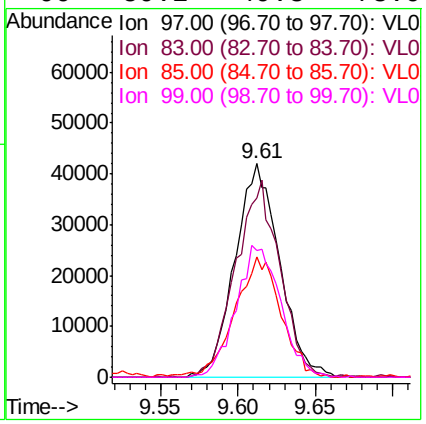


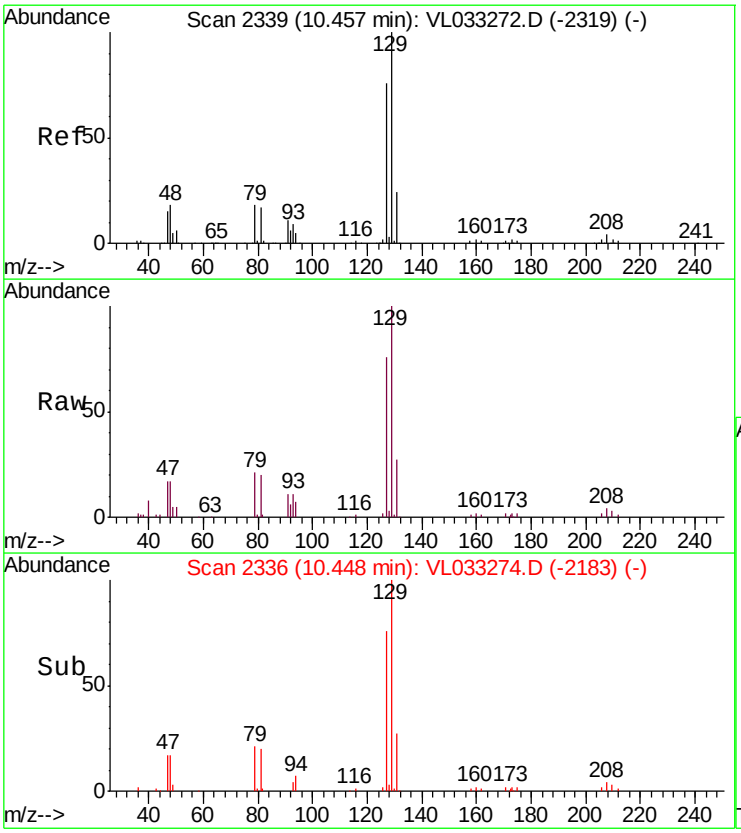
#47
1,1,2-Trichloroethane
Concen: 1.074 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 97 Resp: 84142

Ion	Ratio	Lower	Upper
97	100		
83	83.5	71.0	106.4
85	56.5	48.2	72.4
99	59.2	49.3	73.9

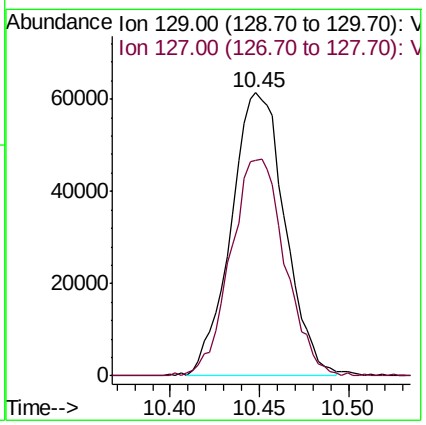


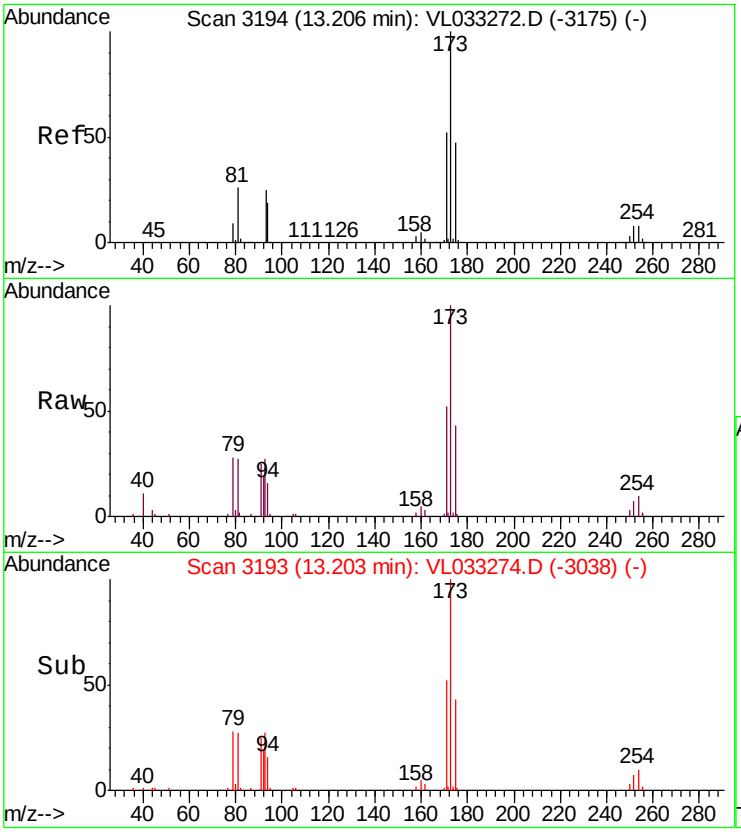


#48
Dibromochloromethane
Concen: 1.011 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:129 Resp: 129771

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.9	116.6



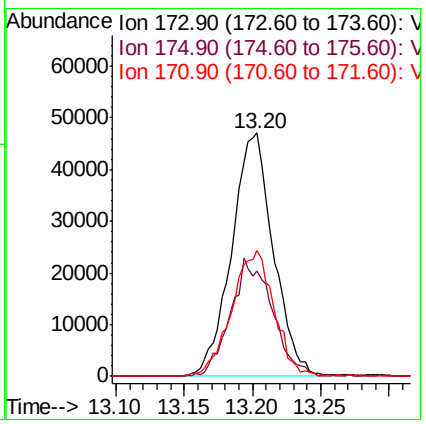


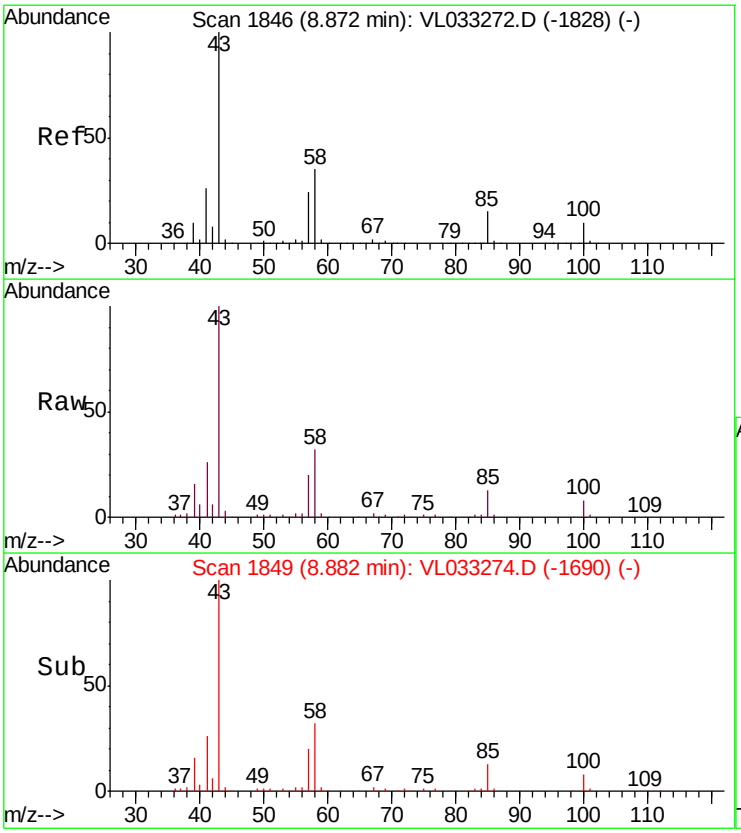
#49
Bromoform
Concen: 0.870 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 100182

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.0	58.6
171	52.4	41.2	61.8

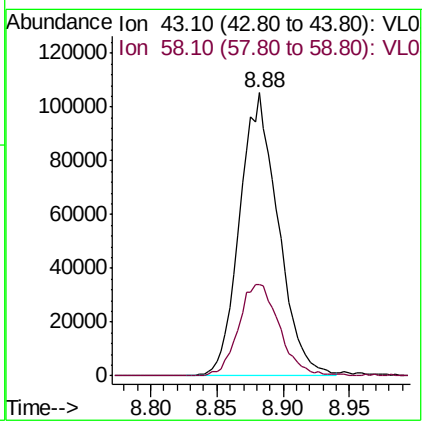


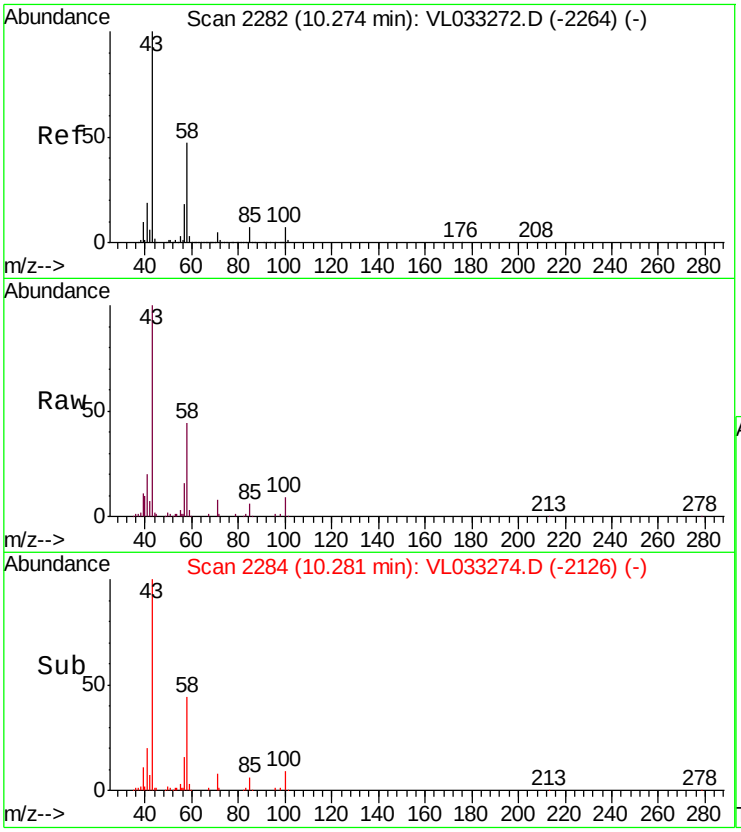


#50
4-Methyl-2-Pentanone
Concen: 1.079 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 43 Resp: 212620

Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.0	42.0



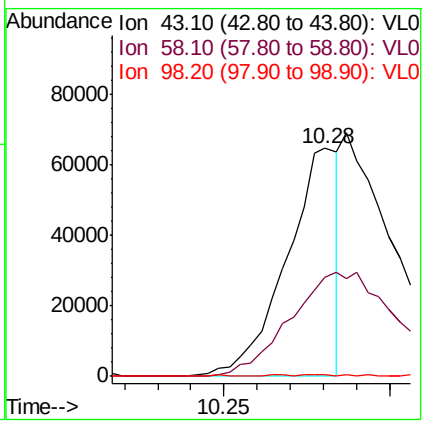


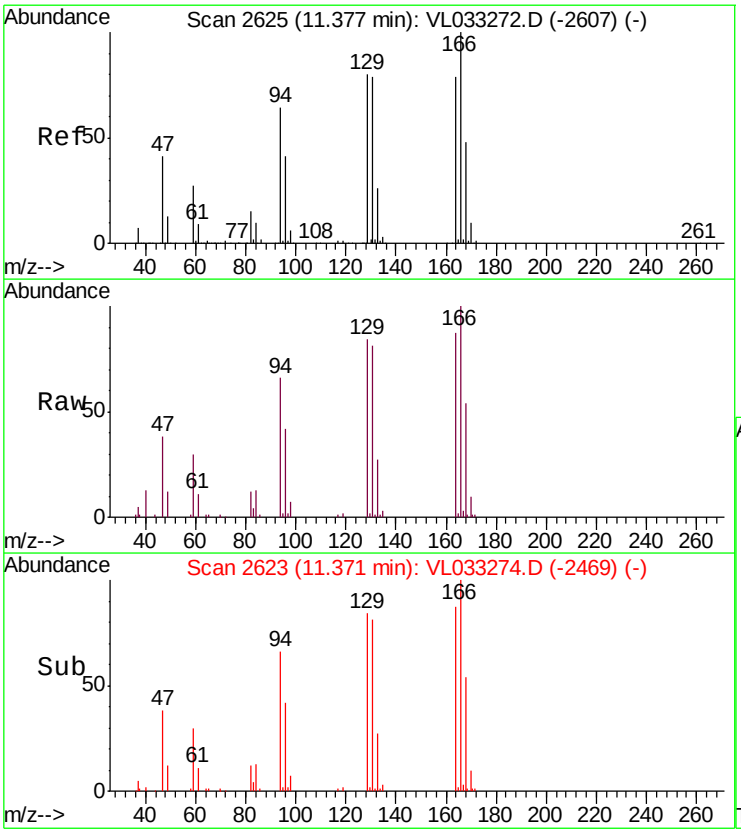
#51
2-Hexanone
Concen: 0.479 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 70394

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.1	57.1#
98	1.5	0.1	0.1#

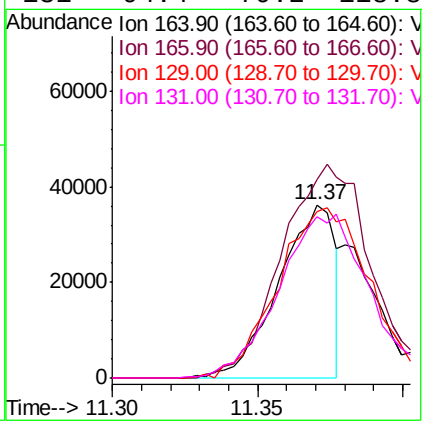


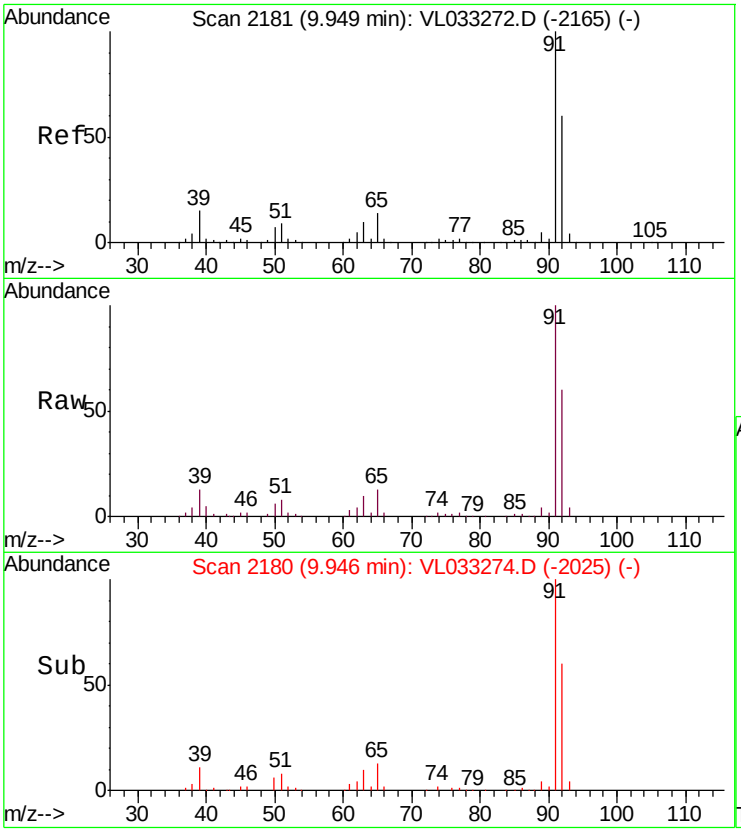


#52
Tetrachloroethene
Concen: 0.696 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:164 Resp: 48537

Ion	Ratio	Lower	Upper
164	100		
166	114.9	100.8	151.2
129	96.6	80.6	121.0
131	94.4	79.2	118.8



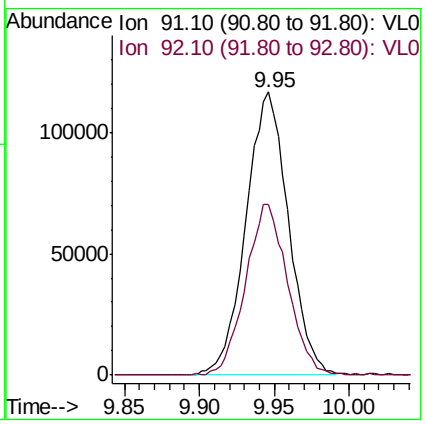


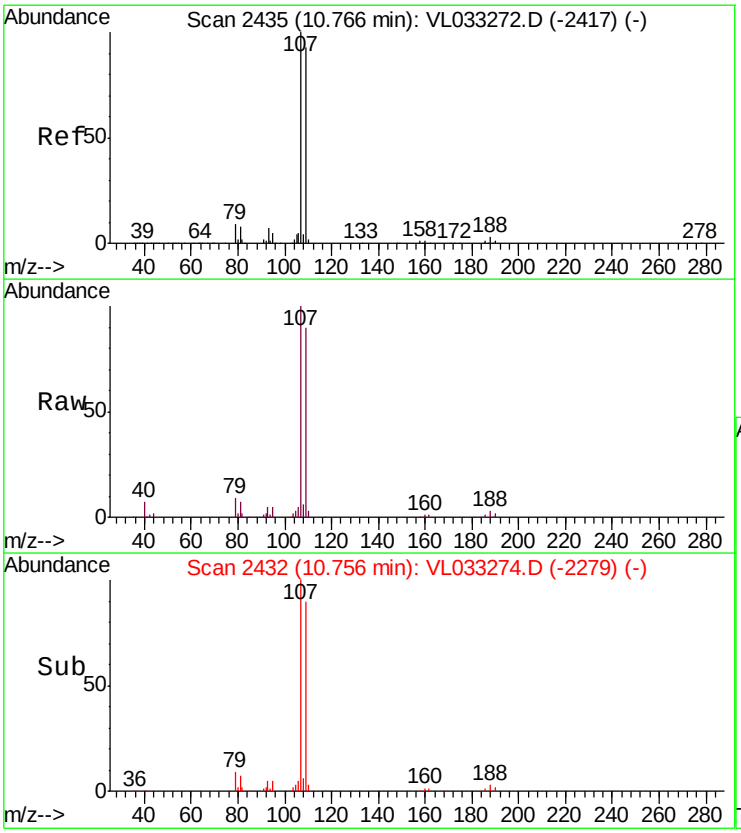
#53
Toluene
Concen: 1.083 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 230676

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.8	71.8

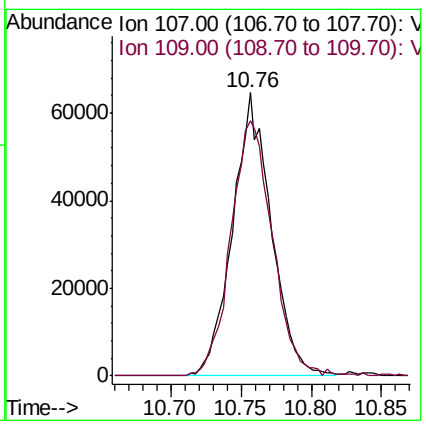


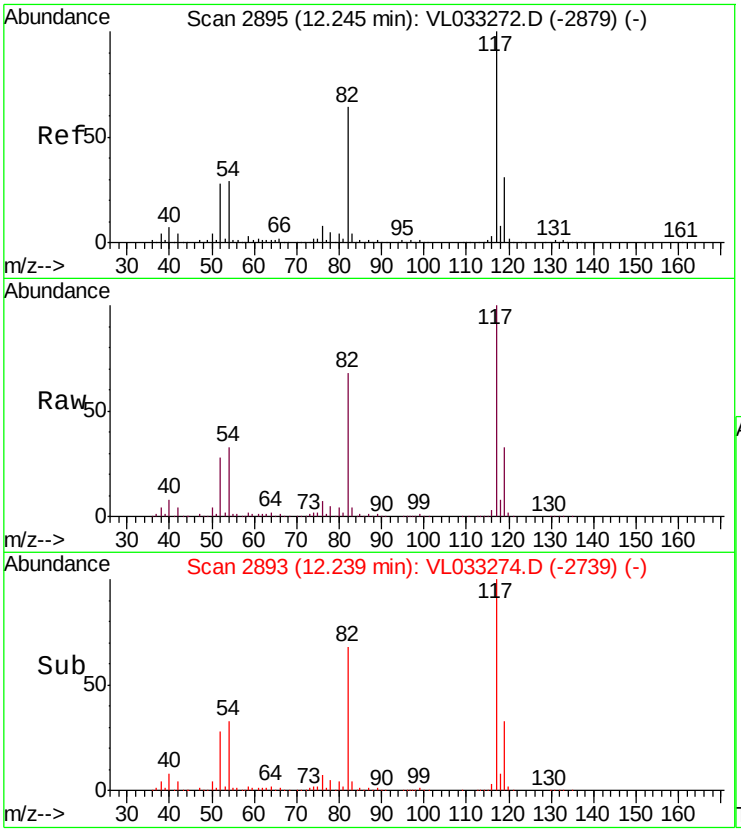


#54
1,2-Dibromoethane
Concen: 1.008 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:107 Resp: 123829

Ion	Ratio	Lower	Upper
107	100		
109	90.2	74.2	111.2



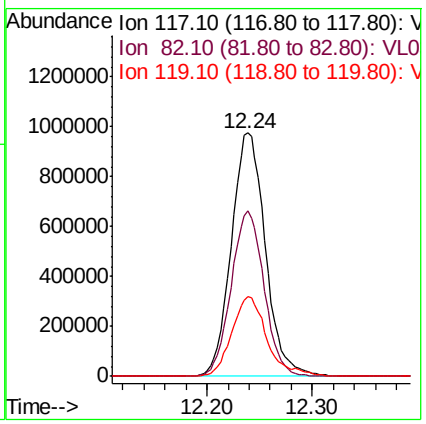


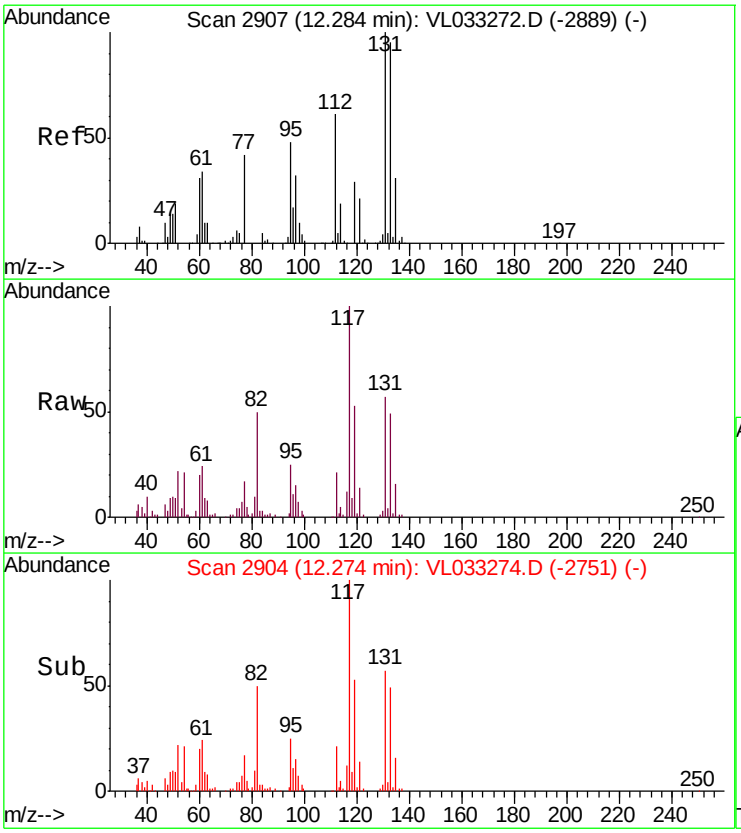
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:117 Resp: 2188379

Ion	Ratio	Lower	Upper
117	100		
82	65.5	51.1	76.7
119	34.0	43.6	65.4#

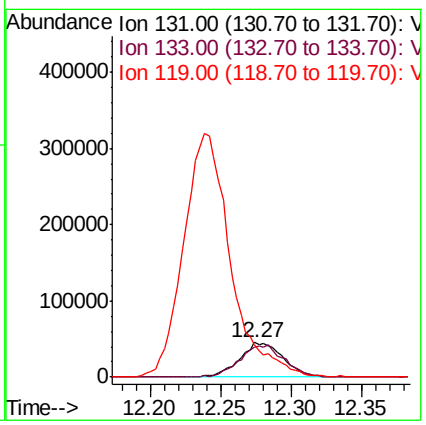


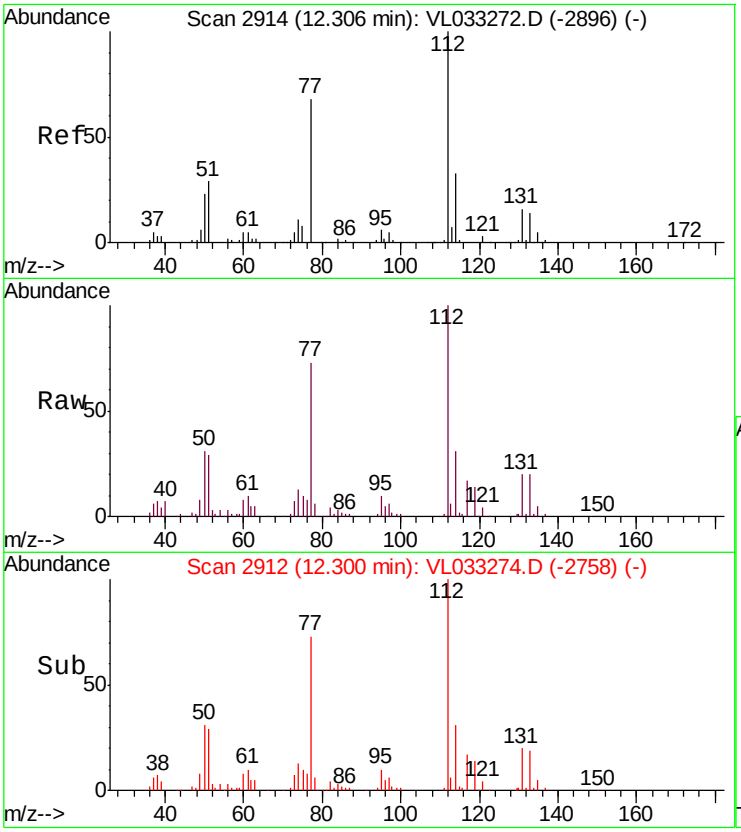


#56
1,1,1,2-Tetrachloroethane
Concen: 1.073 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:131 Resp: 98115

Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.2	114.4
119	756.9	110.3	165.5#



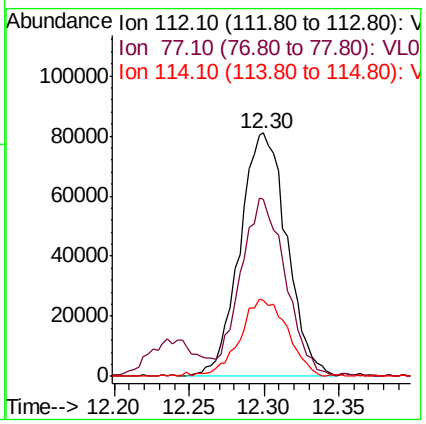


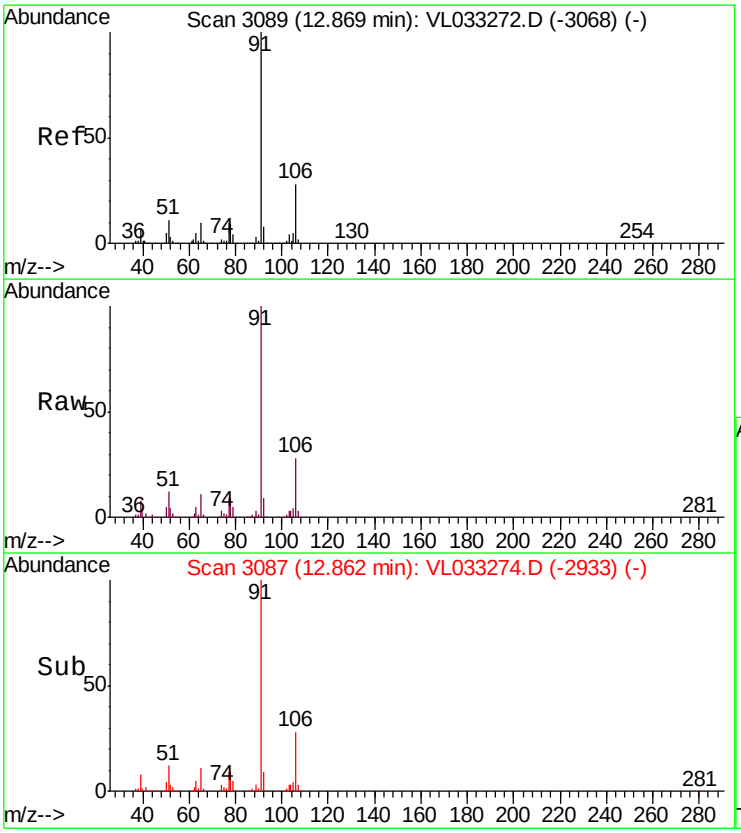
#57
Chlorobenzene
Concen: 1.101 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 177233

Ion	Ratio	Lower	Upper
112	100		
77	68.8	55.8	83.8
114	29.1	29.5	36.1#

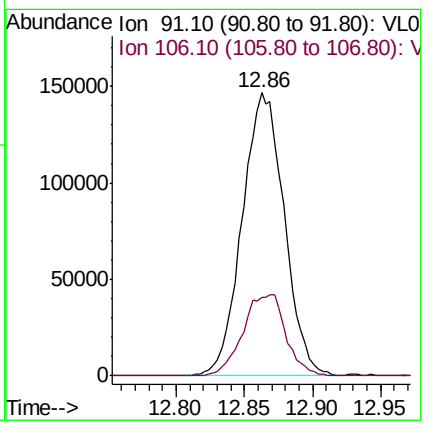


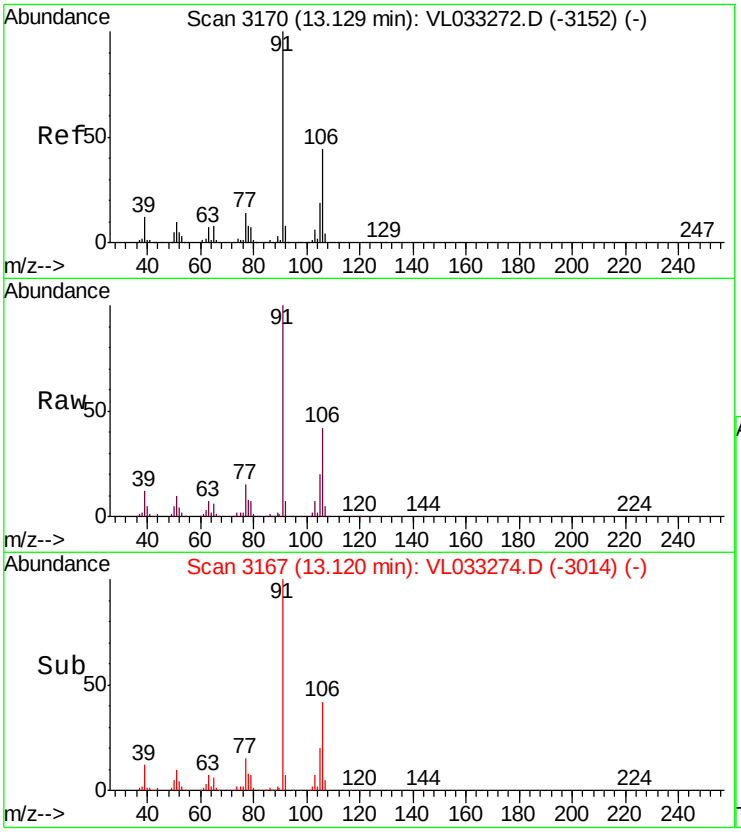


#58
Ethyl Benzene
Concen: 1.057 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 91 Resp: 313730

Ion	Ratio	Lower	Upper
91	100		
106	27.6	22.5	33.7



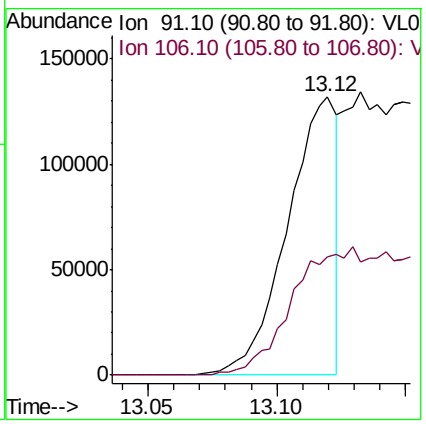


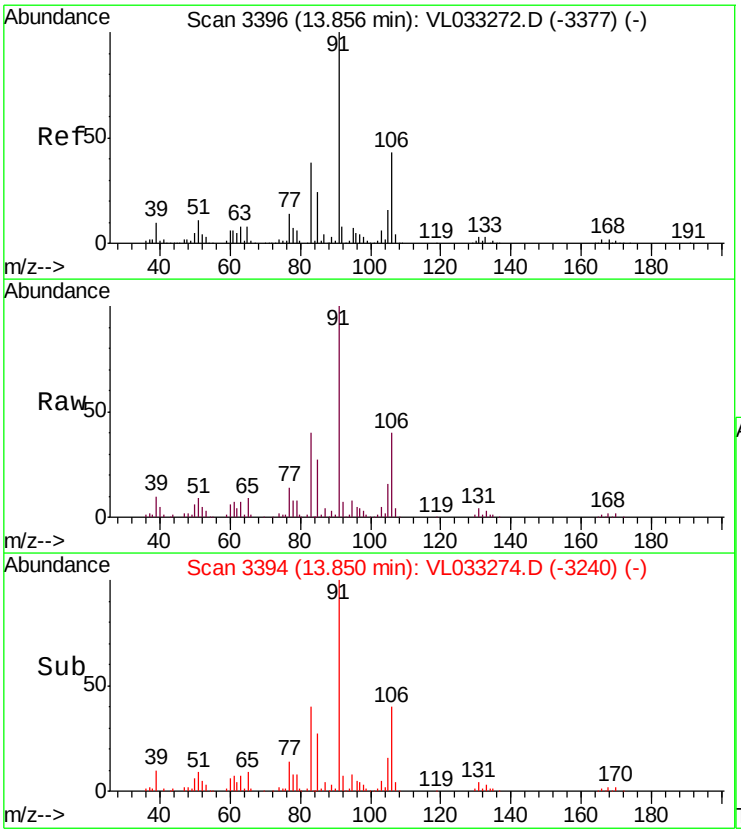
#59
m/p-Xylene
Concen: 0.656 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 176119

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#

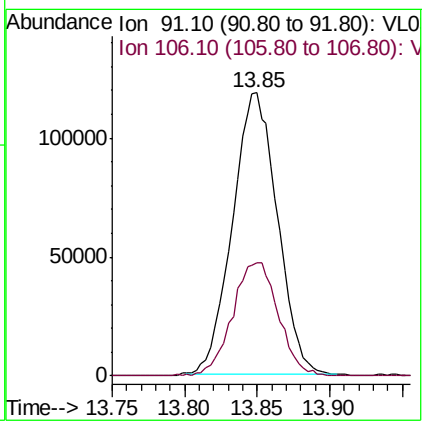


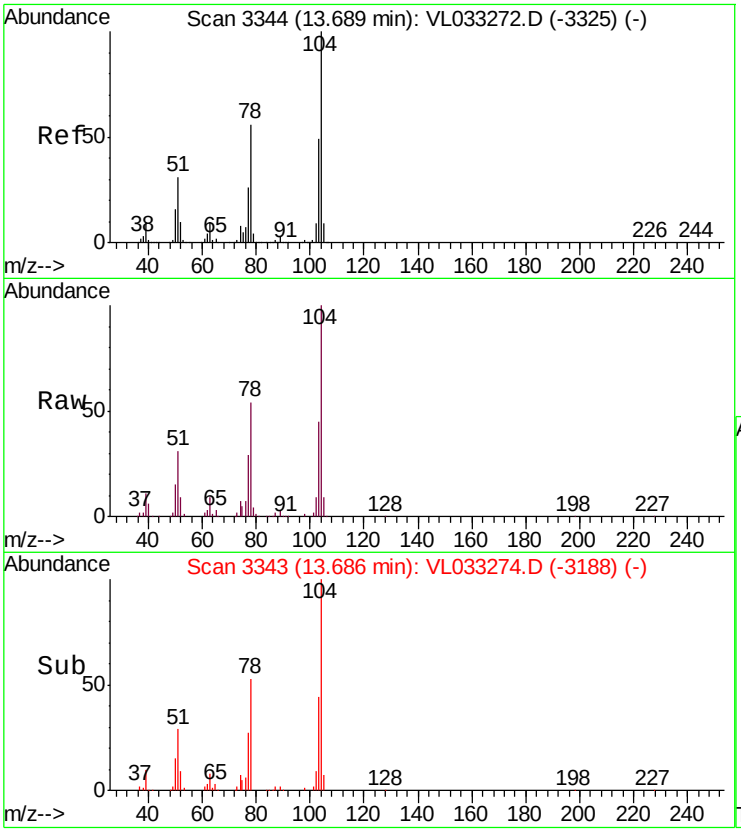


#60
o-Xylene
Concen: 0.982 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 91 Resp: 254373

Ion	Ratio	Lower	Upper
91	100		
106	41.4	21.3	63.7



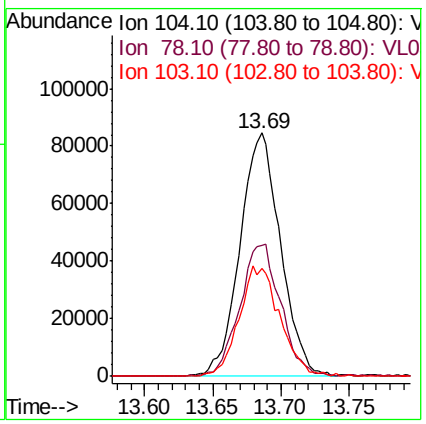


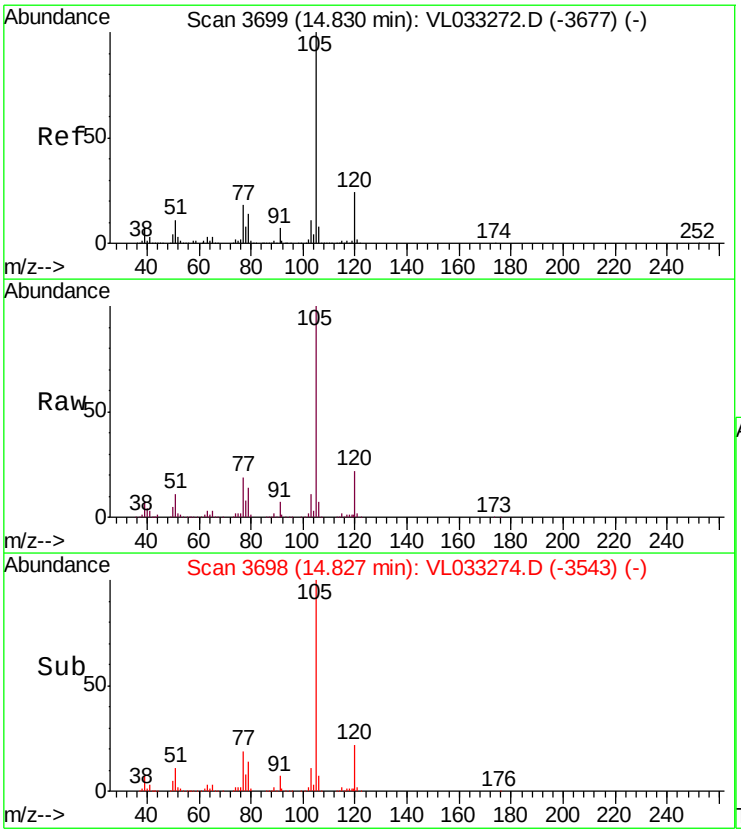
#61
Styrene
Concen: 0.986 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:104 Resp: 174446

Ion	Ratio	Lower	Upper
104	100		
78	55.2	43.3	64.9
103	45.8	38.0	57.0

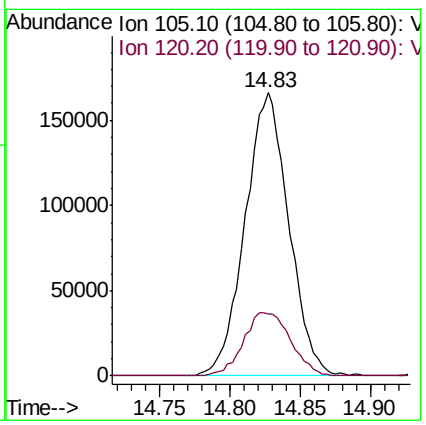


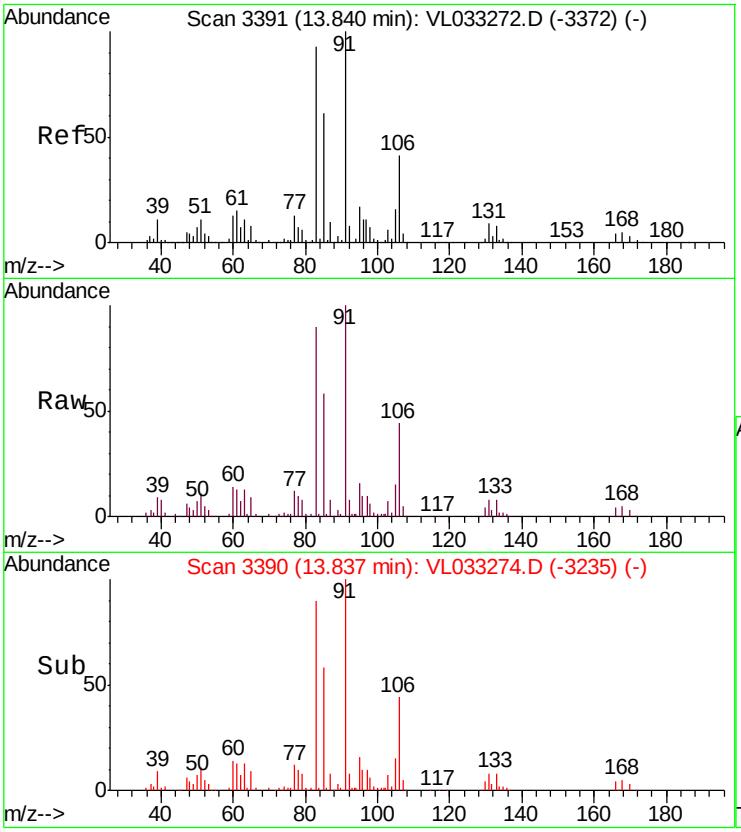


#62
Isopropylbenzene
Concen: 1.041 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:105 Resp: 359704

Ion	Ratio	Lower	Upper
105	100		
120	24.2	20.0	30.0



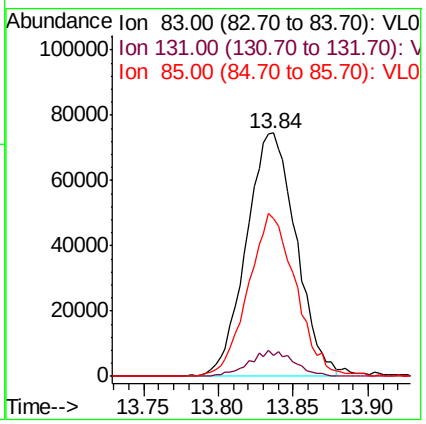


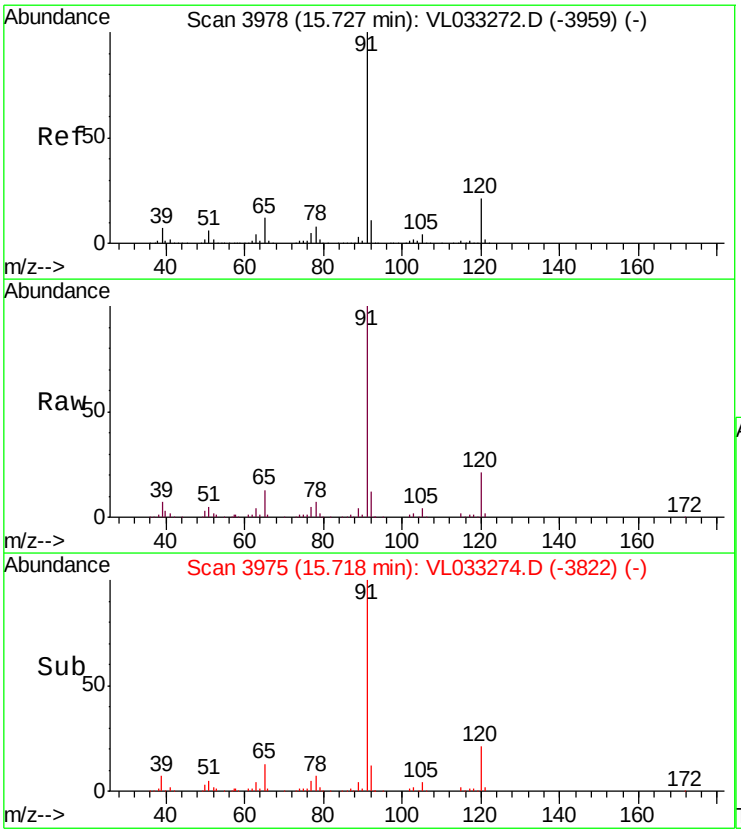
#63
1,1,2,2-Tetrachloroethane
Concen: 1.031 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 172166

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.7
85	64.4	32.2	96.6

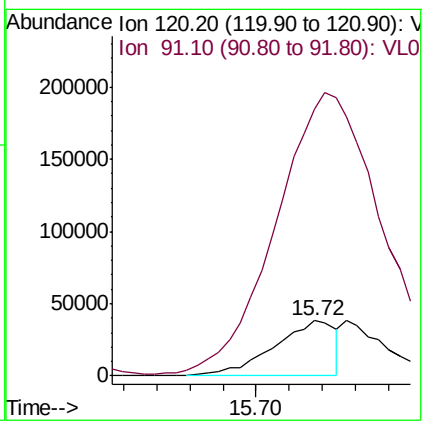


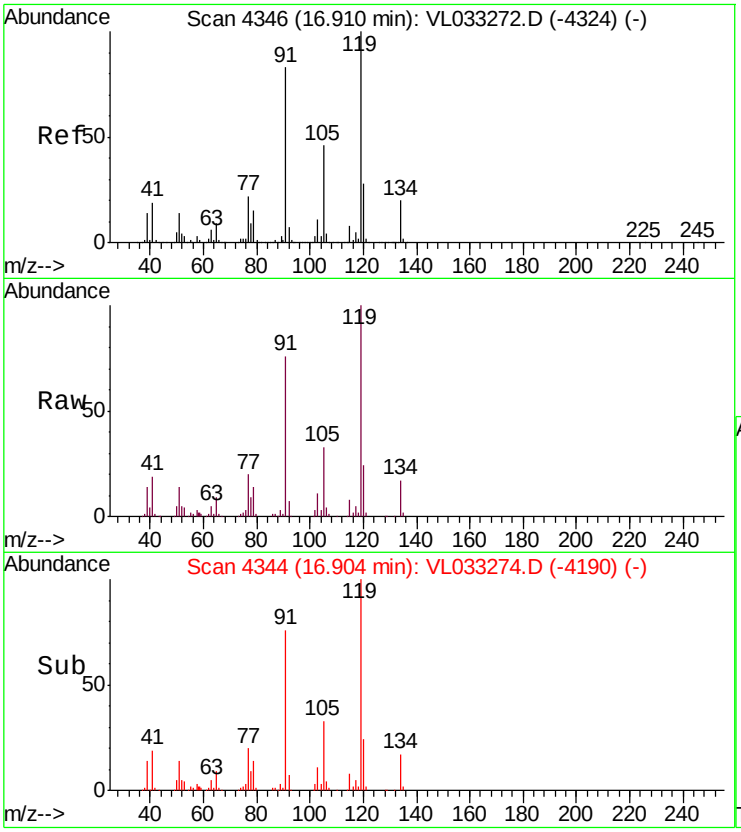


#64
n-propylbenzene
Concen: 0.585 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:120 Resp: 49575

Ion	Ratio	Lower	Upper
120	100		
91	872.9	385.8	578.8#



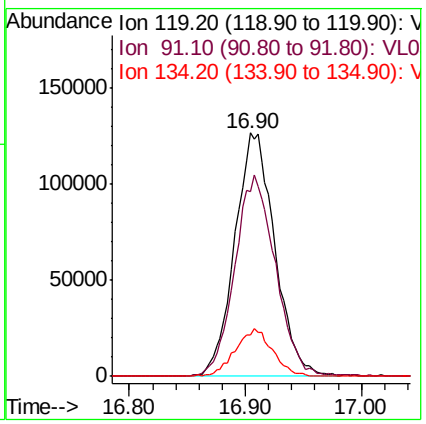


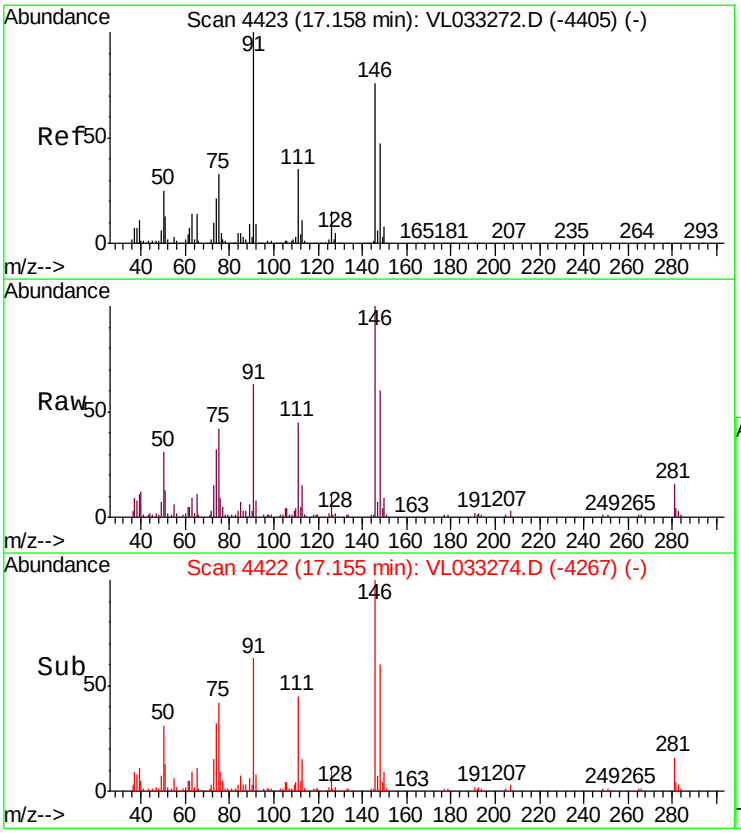
#65
tert-Butylbenzene
Concen: 1.041 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 302871

Ion	Ratio	Lower	Upper
119	100		
91	84.2	67.3	100.9
134	18.3	15.4	23.2

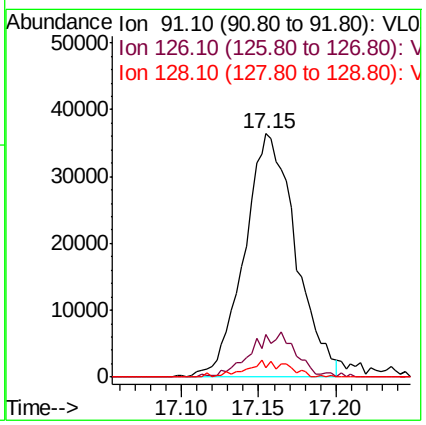


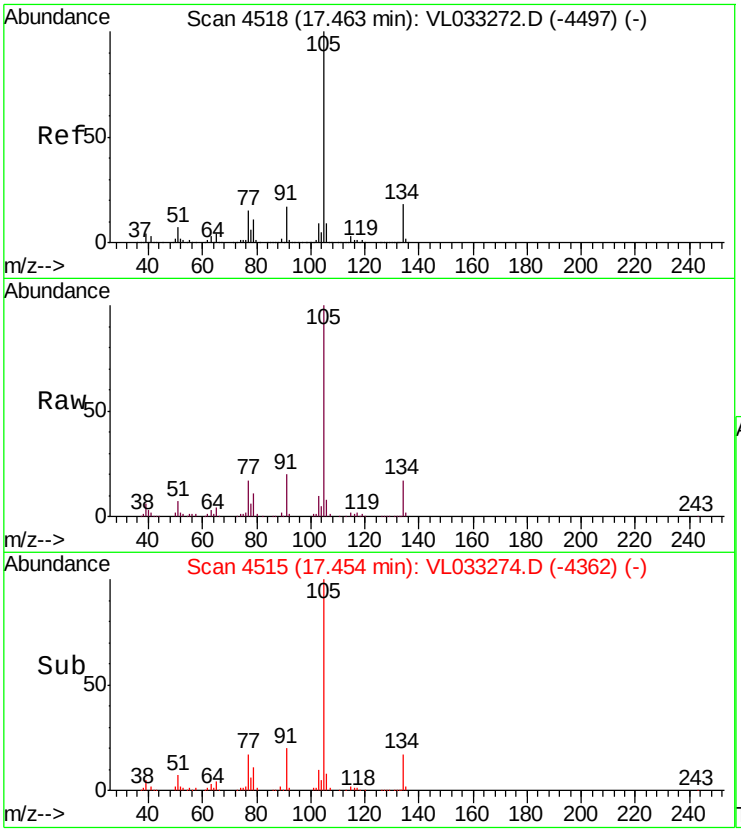


#66
Benzyl Chloride
Concen: 0.775 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 91 Resp: 84086

Ion	Ratio	Lower	Upper
91	100		
126	16.5	13.0	19.6
128	5.5	4.3	6.5



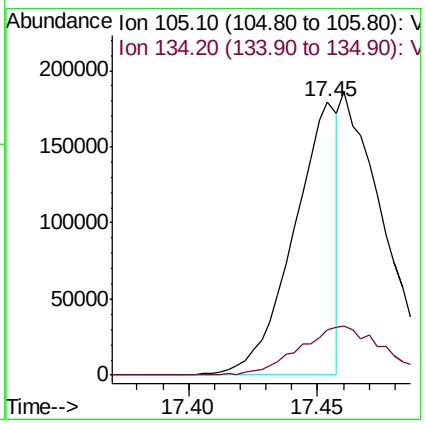


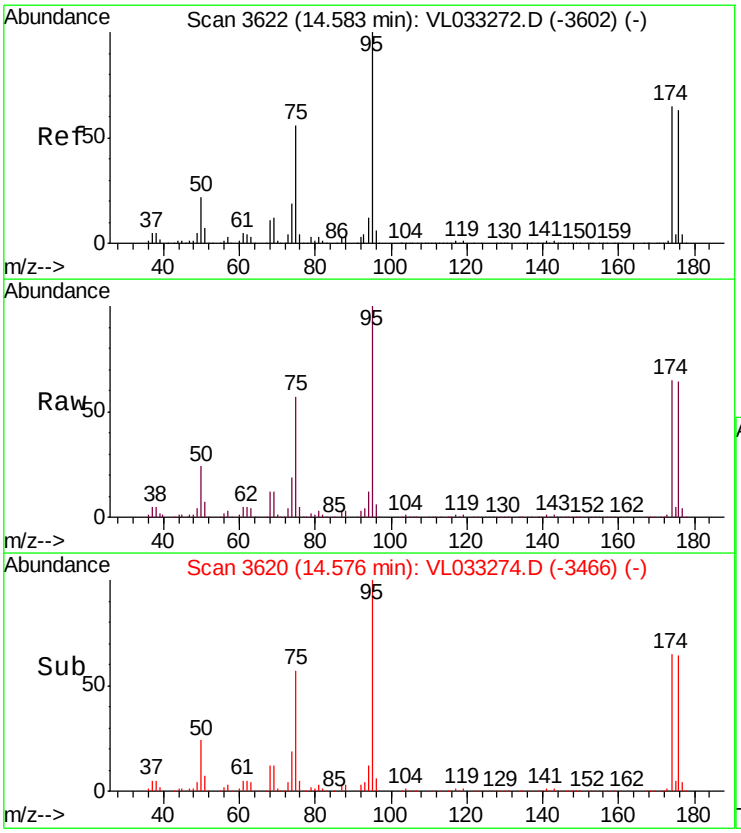
#67
sec-Butylbenzene
Concen: 0.515 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:105 Resp: 212644

Ion	Ratio	Lower	Upper
105	100		
134	0.0	14.2	21.2#

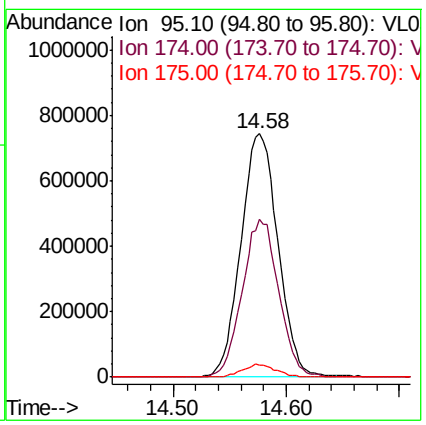


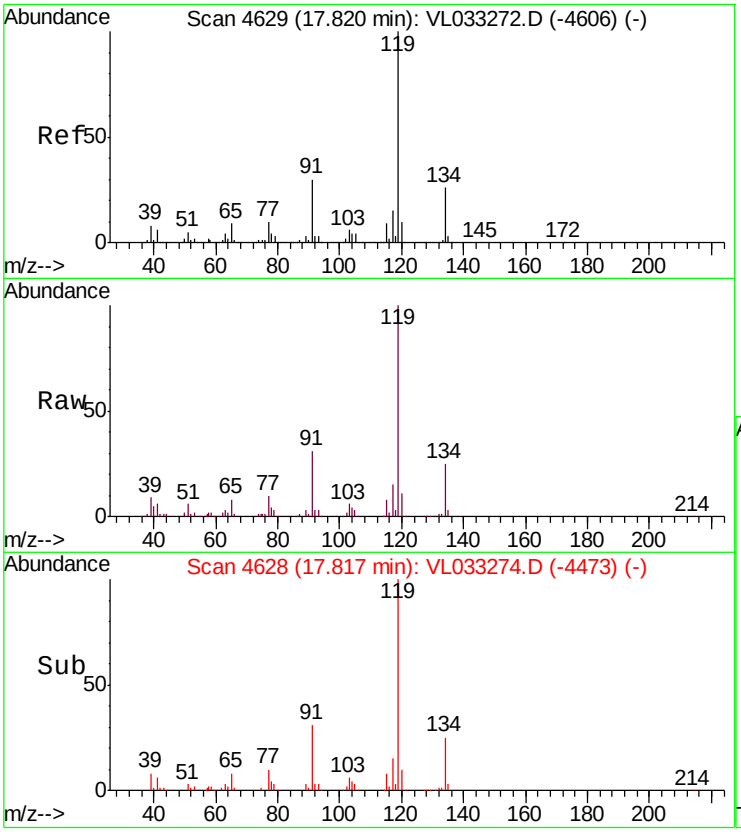


#68
1-Bromo-4-Fluorobenzene
Concen: 9.694 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 95 Resp: 1697834

Ion	Ratio	Lower	Upper
95	100		
174	64.2	51.7	77.5
175	4.8	3.7	5.5



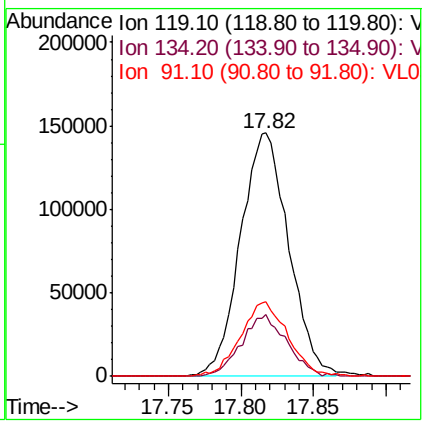


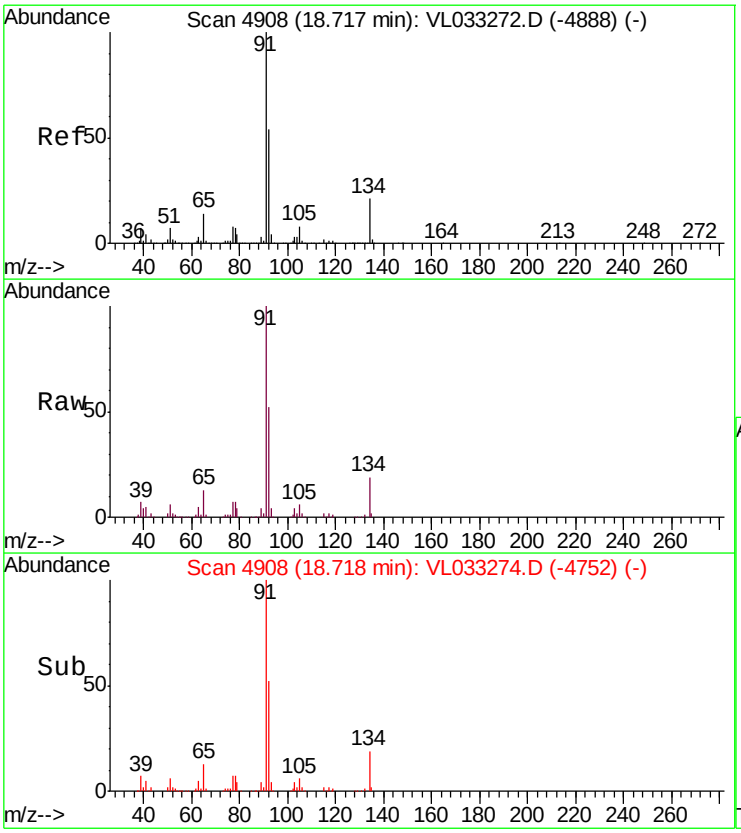
#69
p-Isopropyltoluene
Concen: 1.005 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 337083

Ion	Ratio	Lower	Upper
119	100		
134	24.1	19.7	29.5
91	30.4	23.5	35.3

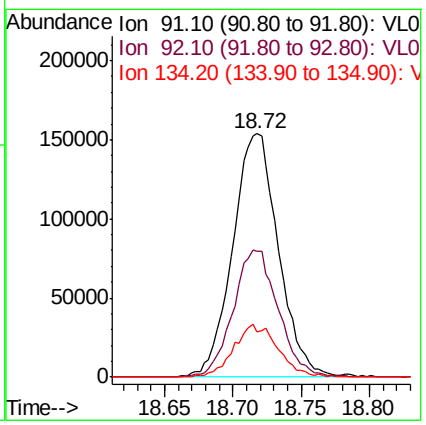


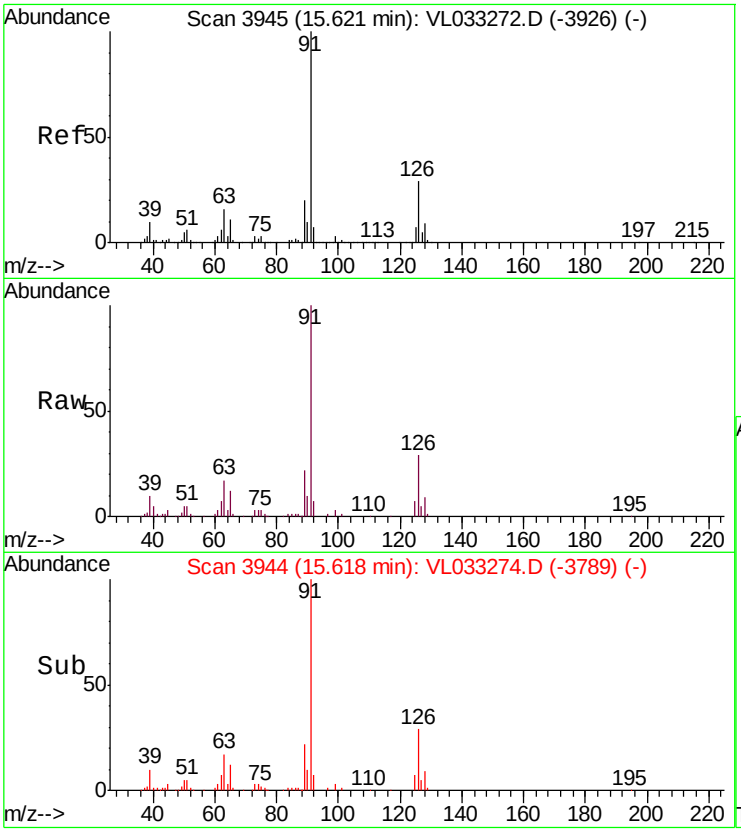


#70
n-Butylbenzene
Concen: 0.971 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion: 91 Resp: 353204

Ion	Ratio	Lower	Upper
91	100		
92	52.3	42.4	63.6
134	21.3	17.1	25.7



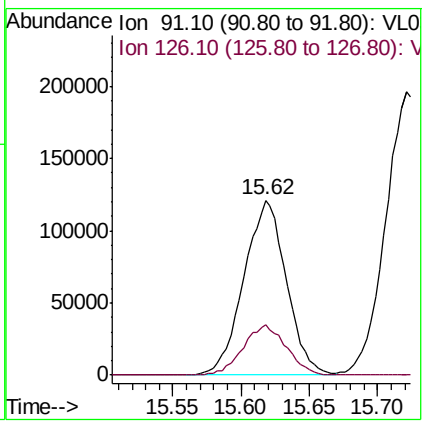


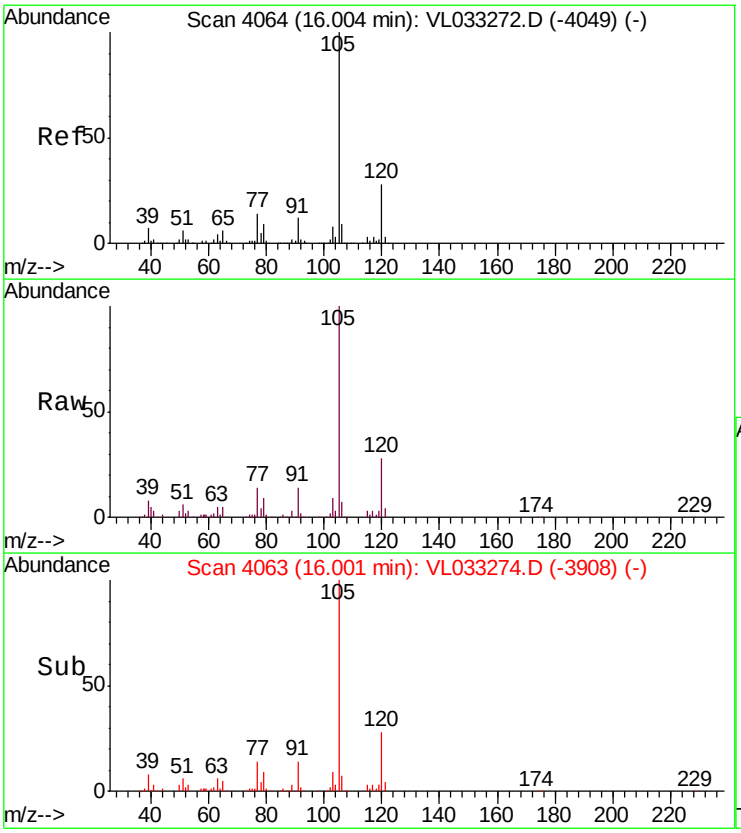
#71
2-Chlorotoluene
Concen: 1.016 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 262402

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.7	46.7

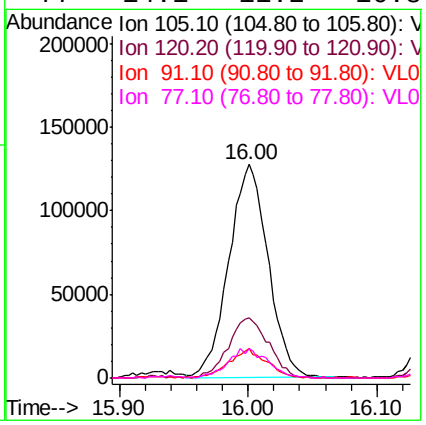


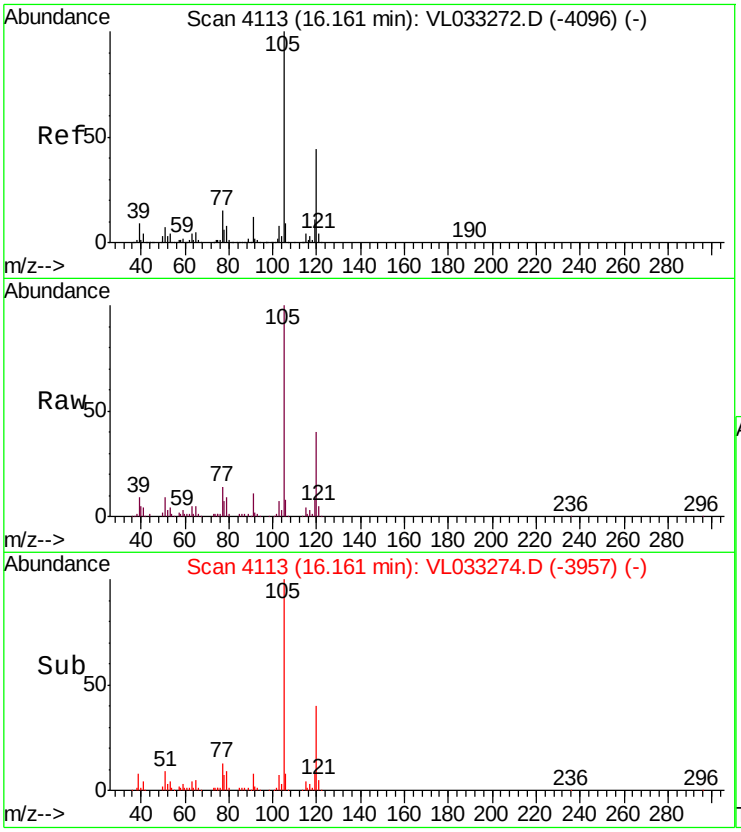


#72
4-Ethyltoluene
Concen: 0.998 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:105 Resp: 268813

Ion	Ratio	Lower	Upper
105	100		
120	29.1	22.9	34.3
91	13.6	10.2	15.2
77	14.1	11.2	16.8



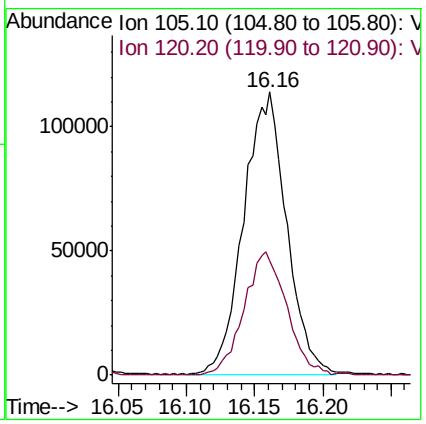


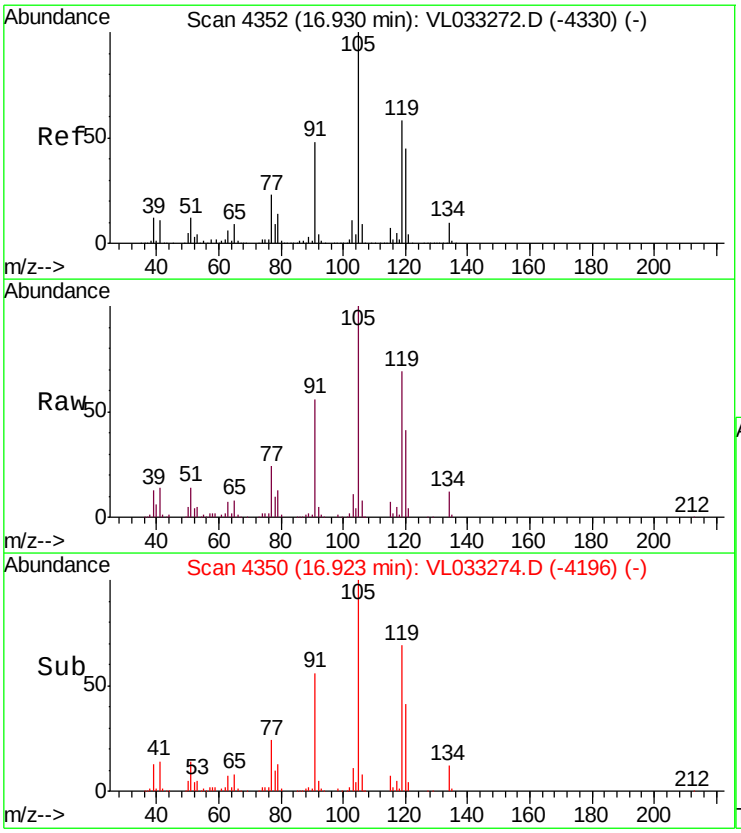
#73
1,3,5-Trimethylbenzene
Concen: 0.964 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 247163

Ion	Ratio	Lower	Upper
105	100		
120	40.6	35.1	52.7

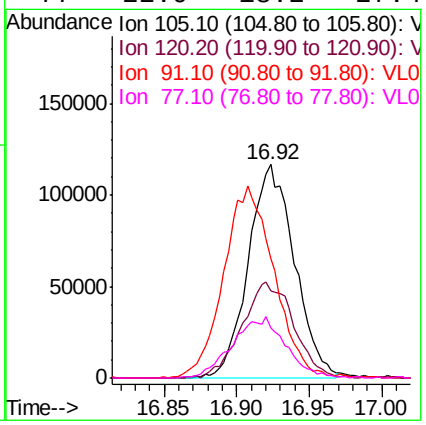


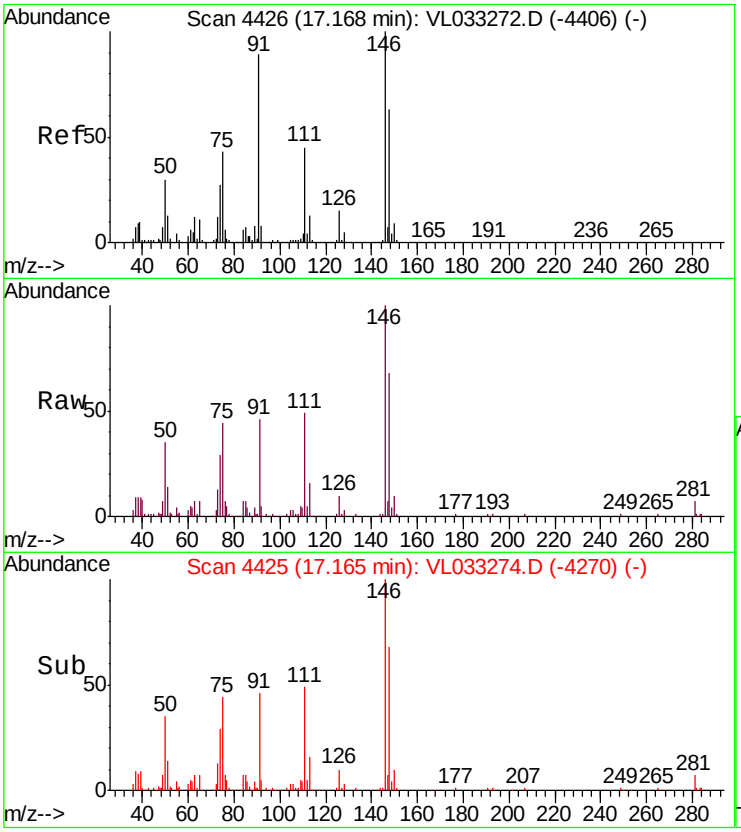


#74
1,2,4-Trimethylbenzene
Concen: 0.964 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:105 Resp: 257856

Ion	Ratio	Lower	Upper
105	100		
120	40.3	36.1	54.1
91	55.0	38.6	58.0
77	22.9	18.2	27.4



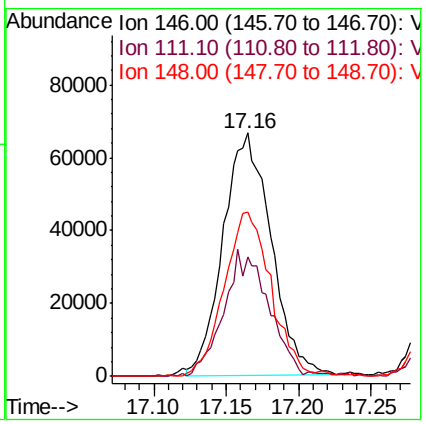


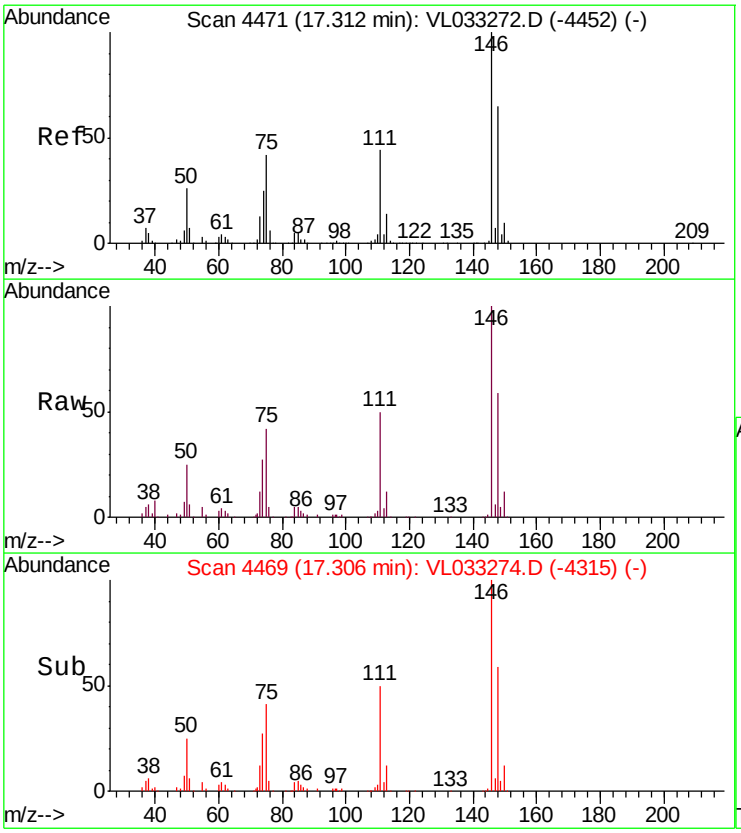
#75
1,3-Dichlorobenzene
Concen: 0.975 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 153771

Ion	Ratio	Lower	Upper
146	100		
111	49.4	22.8	68.4
148	66.4	31.8	95.3

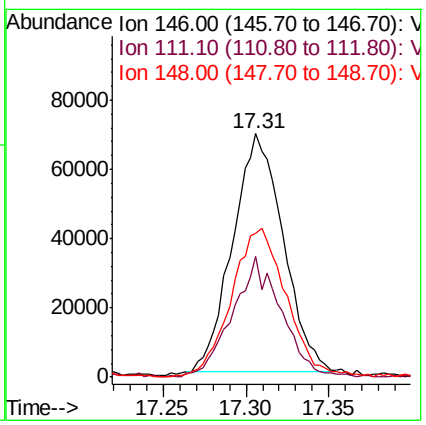


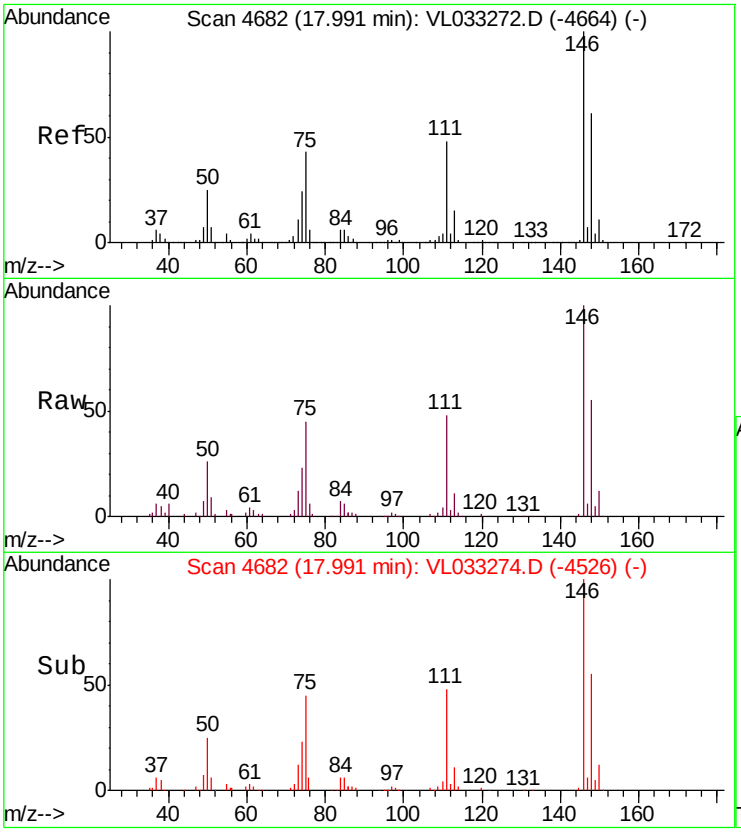


#76
1,4-Dichlorobenzene
Concen: 0.943 ppbv
RT: 17.31 min Scan# 4469
Delta R.T. -0.01 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:146 Resp: 146027

Ion	Ratio	Lower	Upper
146	100		
111	48.9	22.1	66.1
148	68.8	31.8	95.3



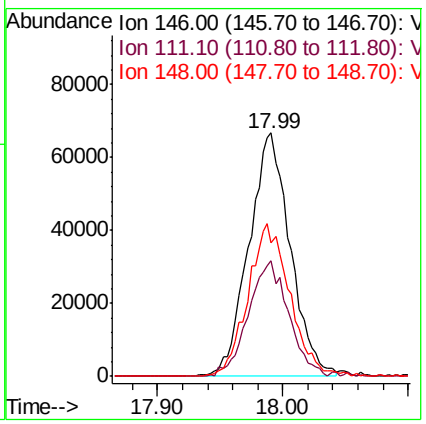


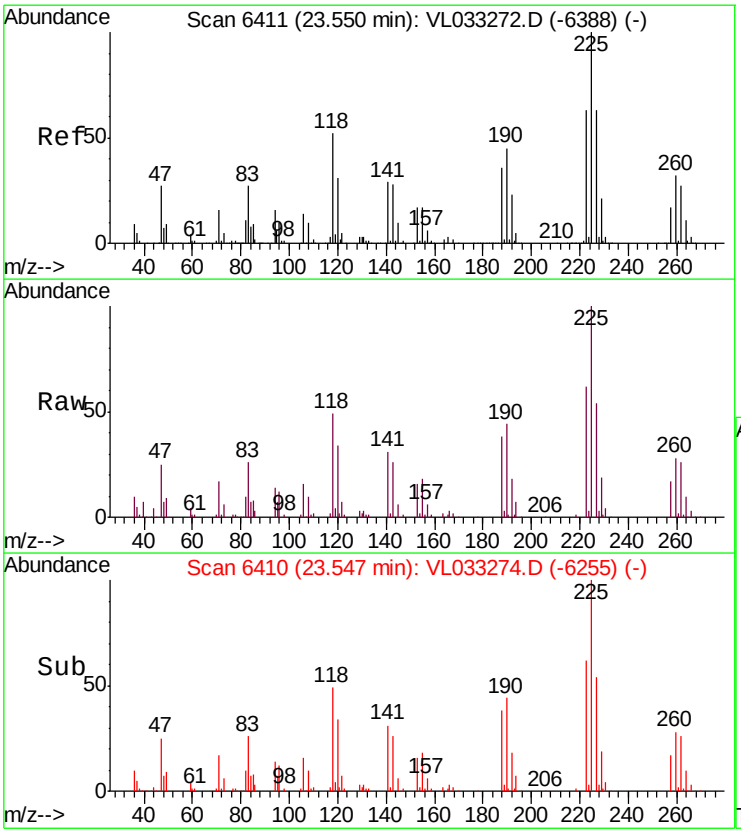
#77
1,2-Dichlorobenzene
Concen: 1.005 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 153032

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.5	70.5
148	63.6	31.7	95.1

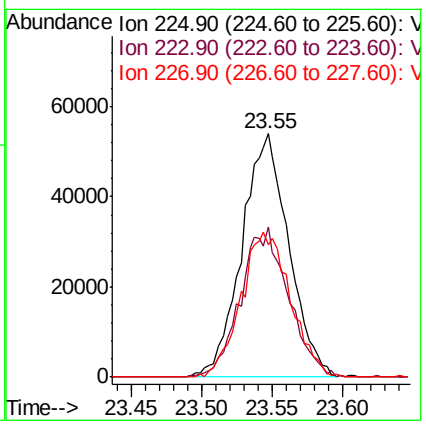


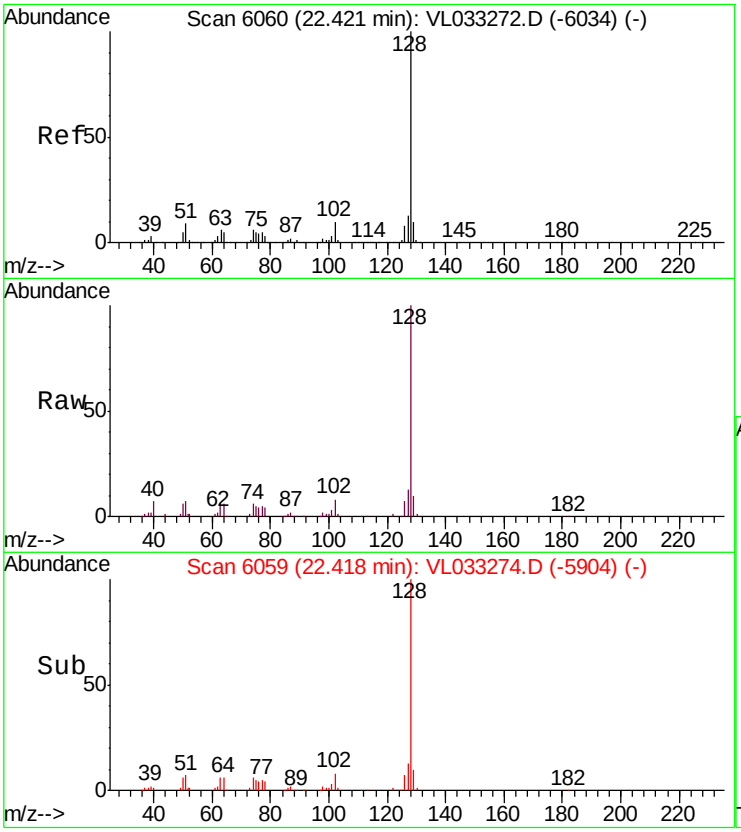


#78
Hexachloro-1,3-Butadiene
Concen: 1.085 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:225 Resp: 125180

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.3	75.5
227	62.7	51.1	76.7



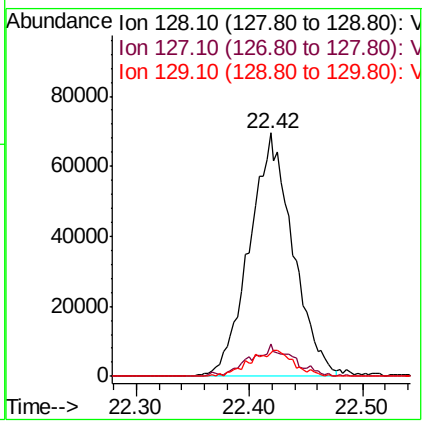


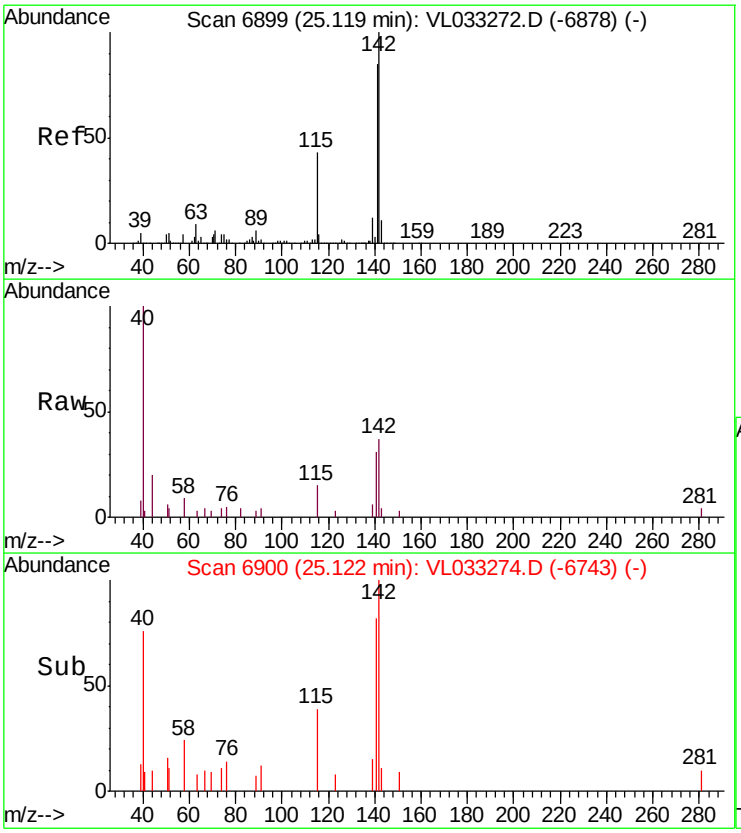
#79
Naphthalene
Concen: 0.637 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 185930

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	9.9	8.4	12.6

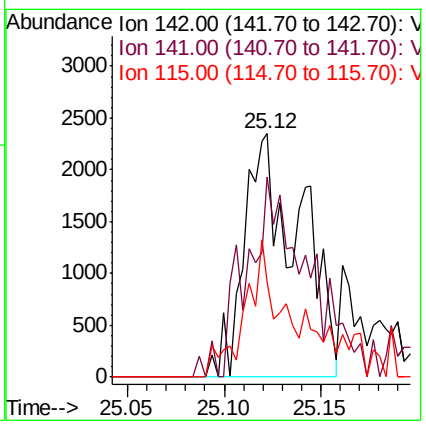


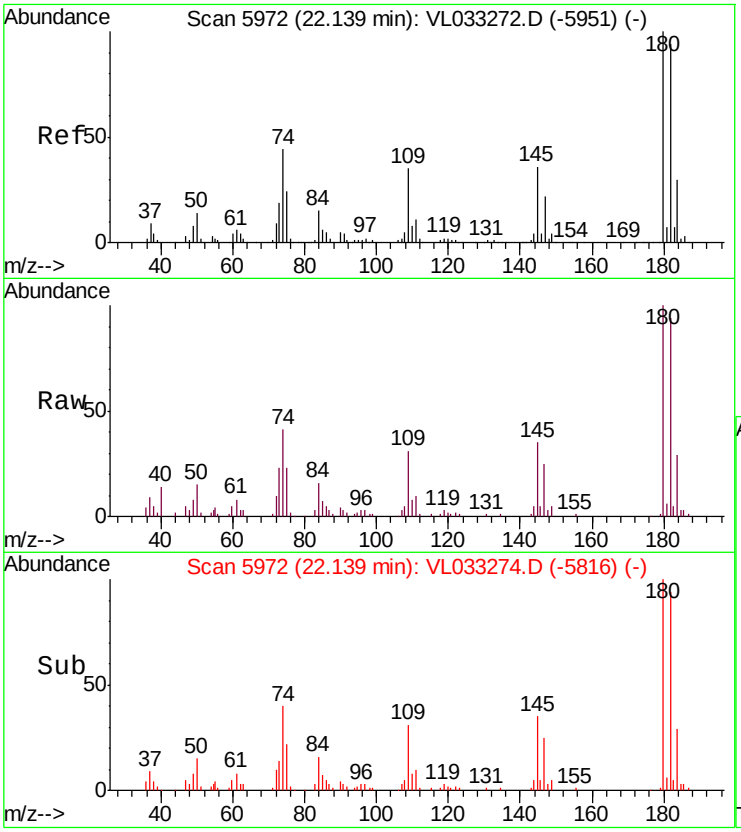


#80
Naphthalene,2-methyl-
Concen: 0.066 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Tgt Ion:142 Resp: 4696

Ion	Ratio	Lower	Upper
142	100		
141	88.9	68.0	102.0
115	45.6	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 0.761 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. 0.00 min
Lab File: VL033274.D
Acq: 12 Mar 2019 3:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 114916

Ion	Ratio	Lower	Upper
180	100		
182	89.9	76.6	114.8
184	29.3	24.2	36.4