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

Quantitation Report (Not Reviewed)

Data File : VL033273.D
Acq On : 12 Mar 2019 2:58
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Mar 12 04:53:07 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	930283	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2181283	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2263960	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1715002	9.46	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	371035	1.923	ppbv	99
3) Chlorodifluoromethane	3.02	51	230978	1.969	ppbv	99
4) Chloromethane	3.17	50	123450	2.003	ppbv	100
5) Vinyl Chloride	3.29	62	120301	2.017	ppbv	99
6) Bromomethane	3.52	94	73623	1.947	ppbv	98
7) Chloroethane	3.60	64	43979	1.993	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	300231	1.968	ppbv	99
9) Propene	3.04	41	104095	1.998	ppbv	99
10) Heptane	8.25	43	264962	2.145	ppbv	99
11) Trichlorofluoromethane	4.00	101	342446	2.119	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	225961	2.225	ppbv	100
13) Ethanol	3.66	45	39874	2.742	ppbv	97
14) Bromoethene	3.79	108	47162	1.128	ppbv #	6
15) Acetone	3.90	43	261479	2.258	ppbv	98
16) 1,3-Butadiene	3.36	39	95552	1.913	ppbv	98
17) tert-Butyl alcohol	4.36	59	19957	1.098	ppbv #	74
18) 1,1-Dichloroethene	4.35	96	104674	2.352	ppbv	88
19) Isopropyl Alcohol	4.03	45	151520	2.181	ppbv #	1
20) Methylene Chloride	4.41	84	109777	2.401	ppbv	91
21) Allyl Chloride	4.48	41	150669	2.250	ppbv	97
22) trans-1,2-Dichloroethene	4.97	96	103642	2.184	ppbv #	94
23) Vinyl Acetate	5.16	43	382336	2.382	ppbv	99
24) 1,1-Dichloroethane	5.09	63	264601	2.173	ppbv	99
25) Ethyl Acetate	5.77	43	464449	2.191	ppbv	99
26) Hexane	5.78	57	224695	2.249	ppbv	94
27) Carbon Disulfide	4.62	76	231916	2.293	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	305711	2.321	ppbv	100
29) Chloroform	5.85	83	320421	2.109	ppbv	98
30) Cyclohexane	7.25	84	165636	2.207	ppbv	88
31) cis-1,2-Dichloroethene	5.64	61	205534	2.177	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	307136	2.144	ppbv	98
34) 2-Butanone	5.34	43	298440	2.207	ppbv	100
35) Carbon Tetrachloride	7.13	117	322326	2.157	ppbv	98
36) Benzene	7.00	78	416437	2.160	ppbv	99
37) 1,2-Dichloroethane	6.41	62	247289	2.008	ppbv	100
38) Trichloroethene	7.96	130	158842	2.177	ppbv	98
39) 1,2-Dichloropropane	7.73	63	156211	2.118	ppbv	98
40) 1,4-Dioxane	7.97	88	26216	0.969	ppbv #	1
41) Tetrahydrofuran	6.16	42	160564	2.098	ppbv	98
42) Bromodichloromethane	7.91	83	340460	2.072	ppbv	97
43) Methyl Methacrylate	8.14	69	156744	2.081	ppbv	97

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

Quantitation Report (Not Reviewed)

Data File : VL033273.D
Acq On : 12 Mar 2019 2:58
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Mar 12 04:53:07 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	716698	2.155	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	199468	2.184	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	227951	2.118	ppbv		98
47) 1,1,2-Trichloroethane	9.61	97	163965	2.070	ppbv		98
48) Dibromochloromethane	10.45	129	270870	2.087	ppbv		100
49) Bromoform	13.20	173	221444	1.901	ppbv		99
50) 4-Methyl-2-Pentanone	8.88	43	428664	2.151	ppbv		100
51) 2-Hexanone	10.27	43	149421	1.006	ppbv	#	29
52) Tetrachloroethene	11.37	164	147743	2.096	ppbv		96
53) Toluene	9.94	91	484299	2.248	ppbv		99
54) 1,2-Dibromoethane	10.76	107	257750	2.075	ppbv		91
56) 1,1,1,2-Tetrachloroethane	12.28	131	199608	2.109	ppbv	#	1
57) Chlorobenzene	12.30	112	354054	2.126	ppbv		97
58) Ethyl Benzene	12.86	91	653079	2.126	ppbv		96
59) m/p-Xylene	13.12	91	463837	1.670	ppbv	#	32
60) o-Xylene	13.85	91	525784	1.962	ppbv		100
61) Styrene	13.68	104	371592	2.031	ppbv		99
62) Isopropylbenzene	14.83	105	733999	2.052	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	352871	2.043	ppbv		100
64) n-propylbenzene	15.72	120	174615	1.993	ppbv		89
65) tert-Butylbenzene	16.91	119	631933	2.099	ppbv		99
66) Benzyl Chloride	17.16	91	218988	1.952	ppbv		99
67) sec-Butylbenzene	17.46	105	892493	2.089	ppbv		99
69) p-Isopropyltoluene	17.82	119	715311	2.061	ppbv		99
70) n-Butylbenzene	18.72	91	767351	2.040	ppbv		98
71) 2-Chlorotoluene	15.62	91	548761	2.053	ppbv		99
72) 4-Ethyltoluene	16.00	105	566988	2.035	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	523931	1.974	ppbv		97
74) 1,2,4-Trimethylbenzene	16.93	105	539828	1.952	ppbv		98
75) 1,3-Dichlorobenzene	17.16	146	169436	1.038	ppbv	#	24
76) 1,4-Dichlorobenzene	17.31	146	318209	1.987	ppbv		97
77) 1,2-Dichlorobenzene	17.99	146	180691	1.147	ppbv	#	38
78) Hexachloro-1,3-Butadiene	23.55	225	236487	1.980	ppbv		98
79) Naphthalene	22.42	128	419679	1.389	ppbv		96
80) Naphthalene,2-methyl-	25.12	142	20587	0.282	ppbv		97
81) 1,2,4-Trichlorobenzene	22.14	180	245575	1.573	ppbv		98

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

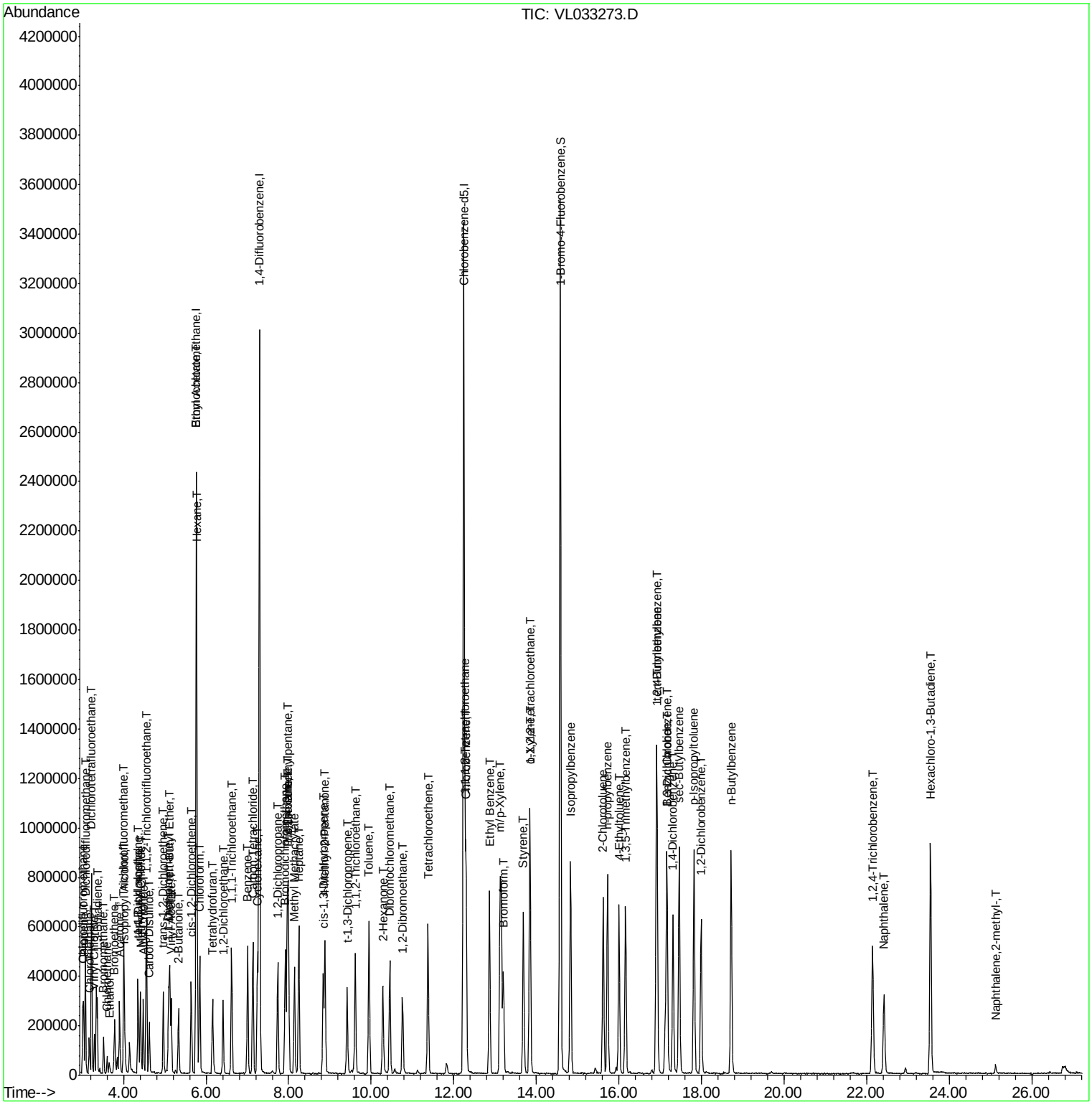
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

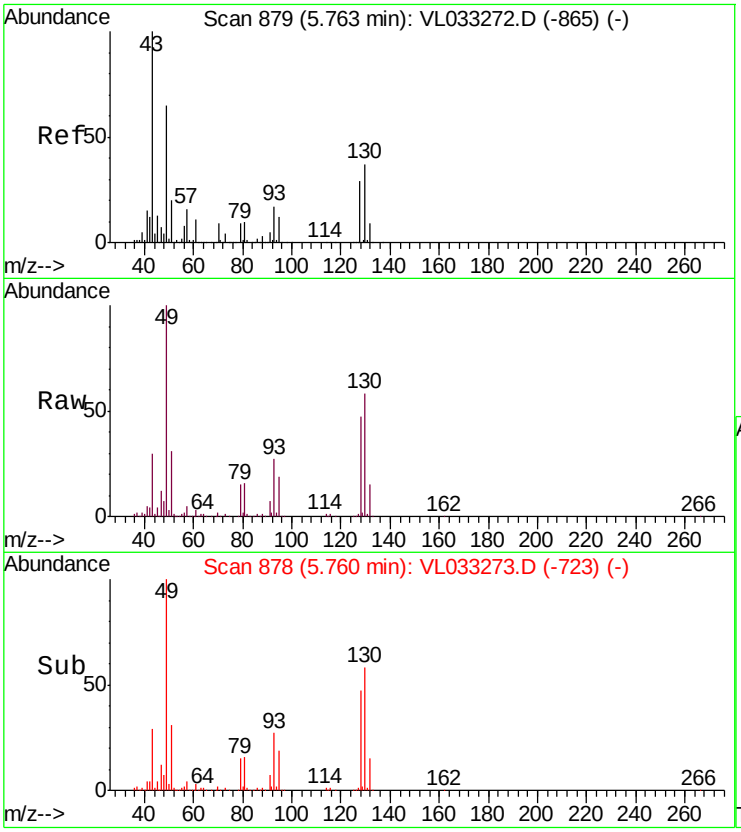
Quantitation Report (Not Reviewed)

Data File : VL033273.D
Acq On : 12 Mar 2019 2:58
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Mar 12 04:53:07 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



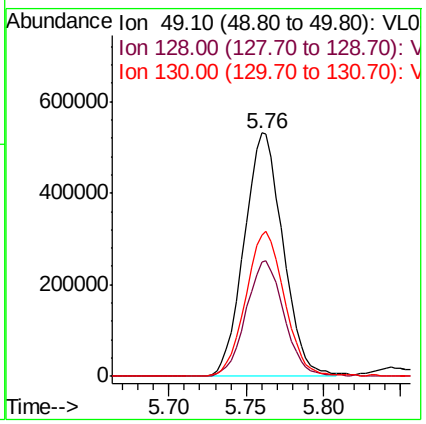


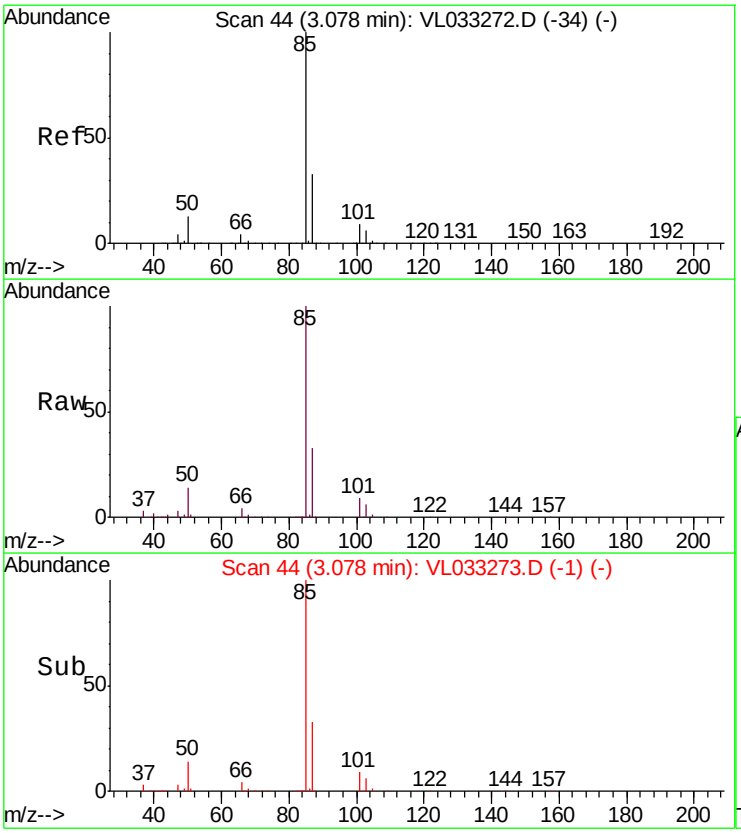
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 930283

Ion	Ratio	Lower	Upper
49	100		
128	46.8	23.3	69.9
130	60.1	30.0	90.1

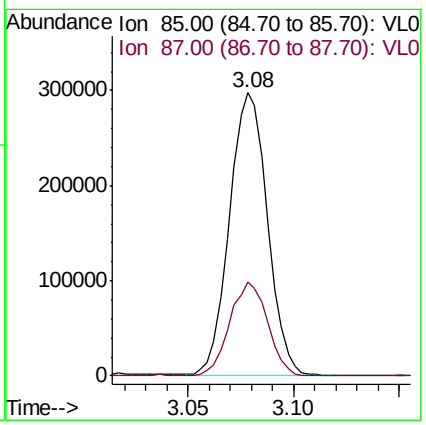


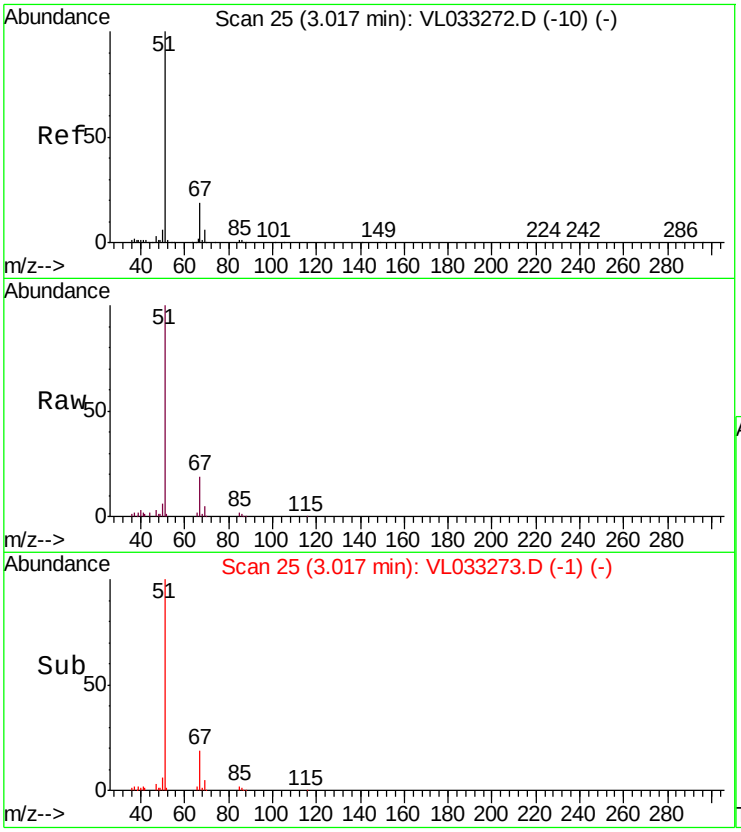


#2
Dichlorodifluoromethane
Concen: 1.923 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 85 Resp: 371035

Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.4	39.6



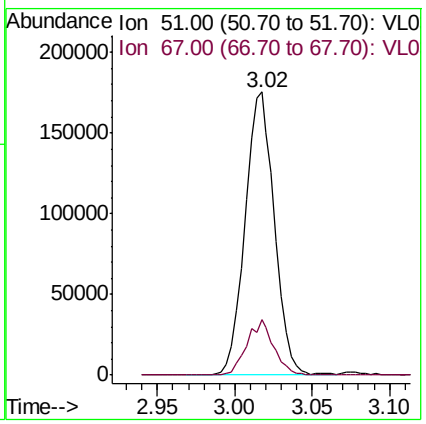


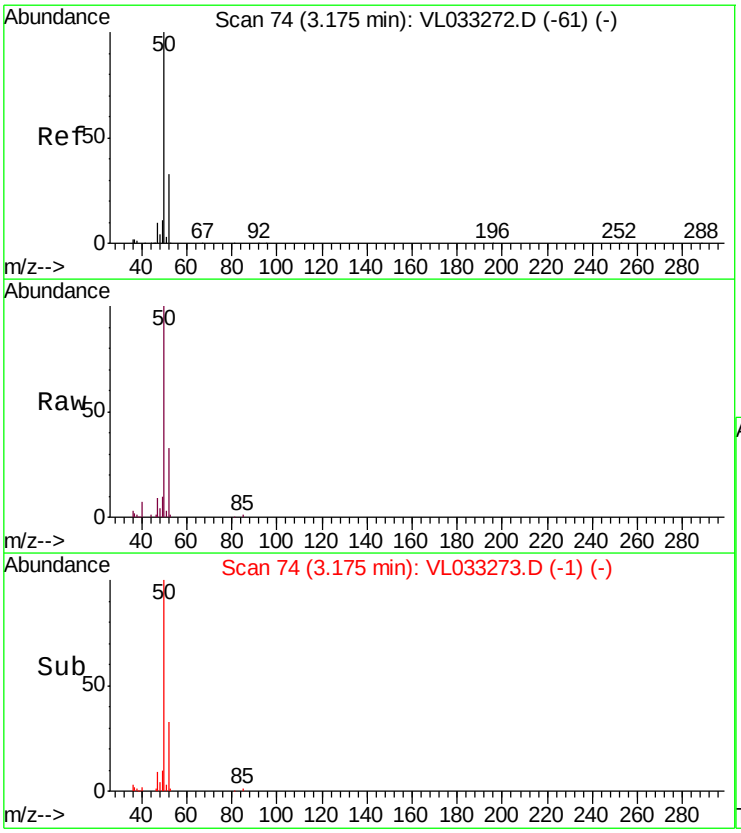
#3
Chlorodifluoromethane
Concen: 1.969 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 51 Resp: 230978

Ion	Ratio	Lower	Upper
51	100		
67	18.1	15.0	22.4

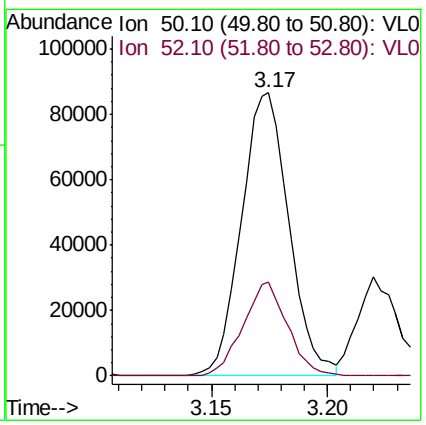


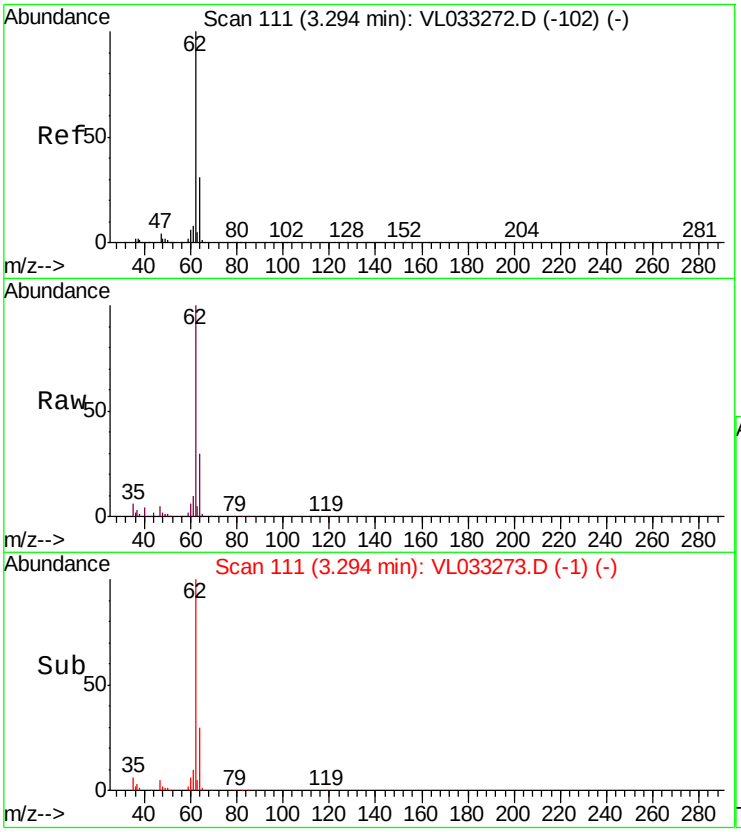


#4
Chloromethane
Concen: 2.003 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 50 Resp: 123450

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	39.8



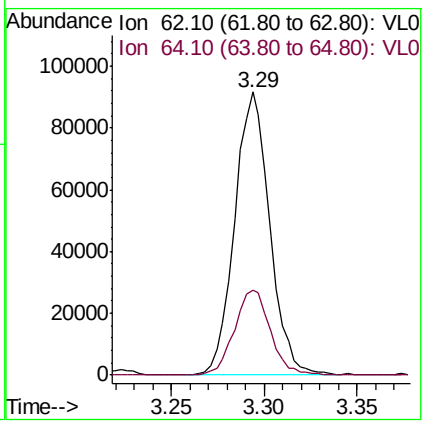


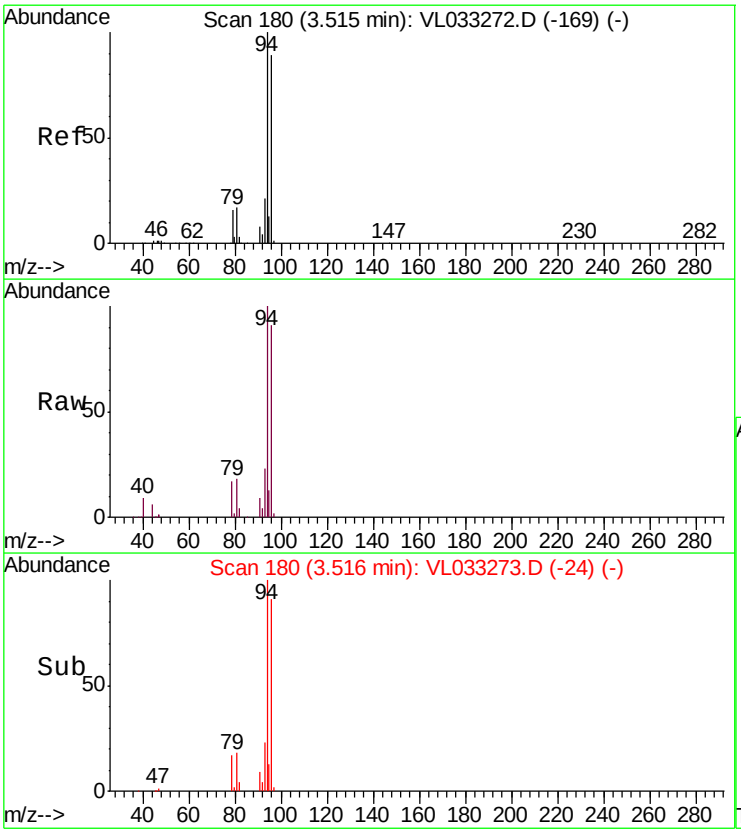
#5
Vinyl Chloride
Concen: 2.017 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 120301

Ion	Ratio	Lower	Upper
62	100		
64	29.9	24.5	36.7

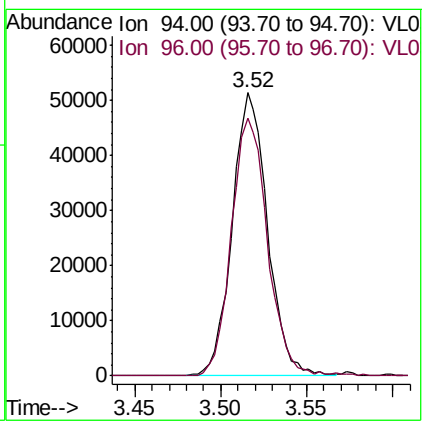


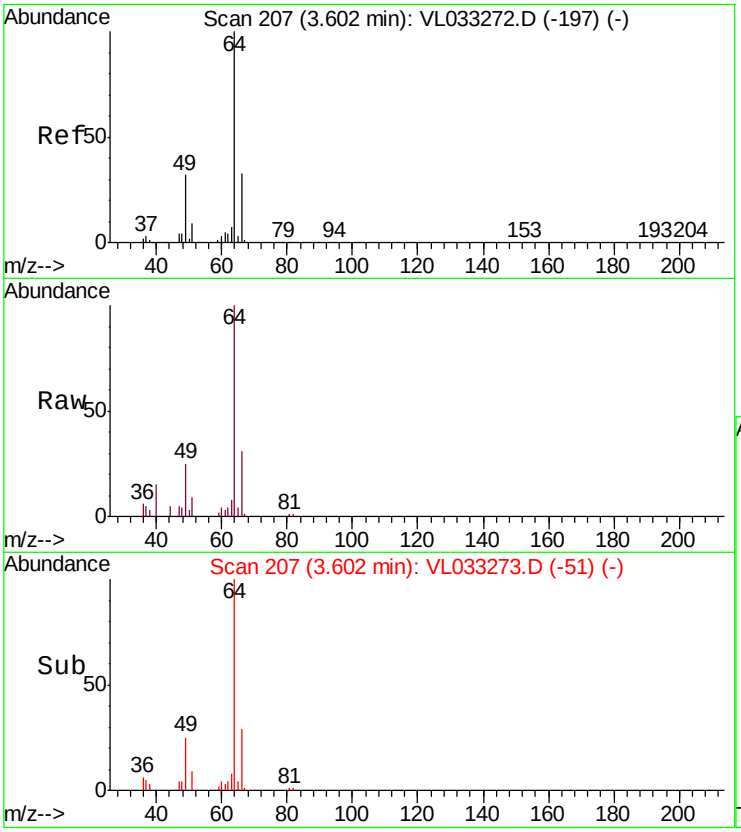


#6
Bromomethane
Concen: 1.947 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 94 Resp: 73623

Ion	Ratio	Lower	Upper
94	100		
96	91.0	71.3	106.9



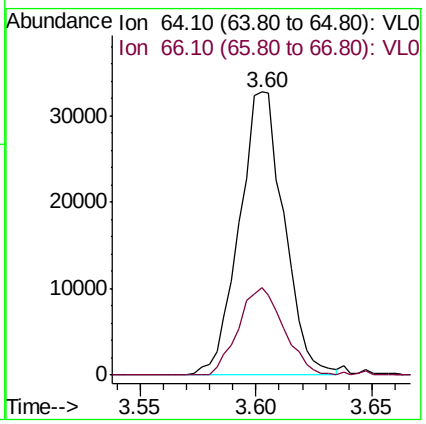


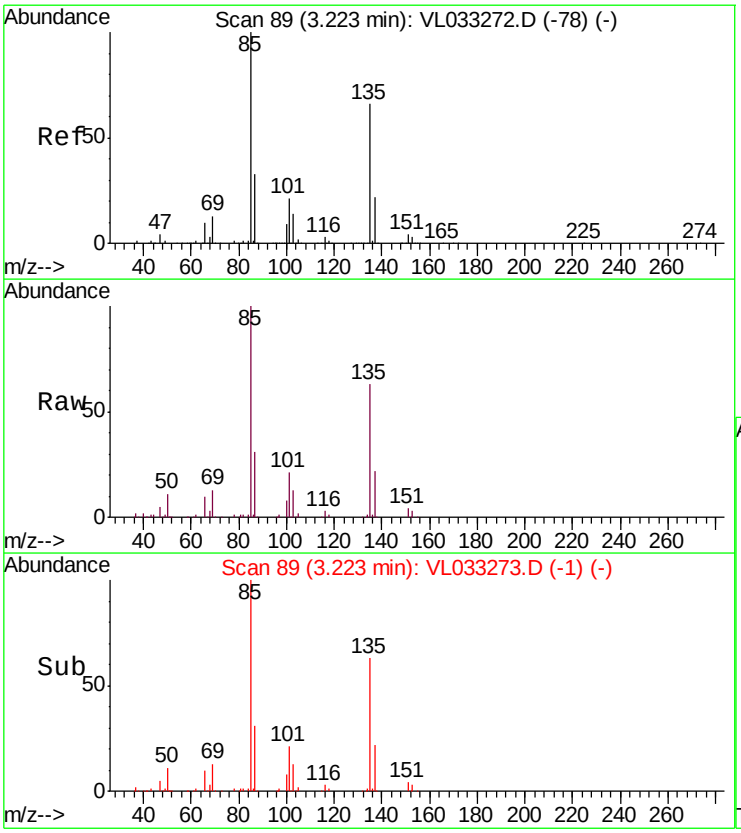
#7
Chloroethane
Concen: 1.993 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 43979

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.2	39.2

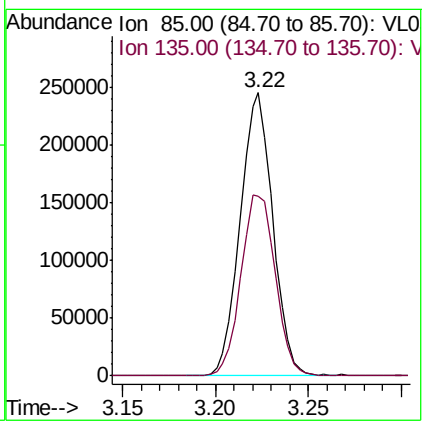


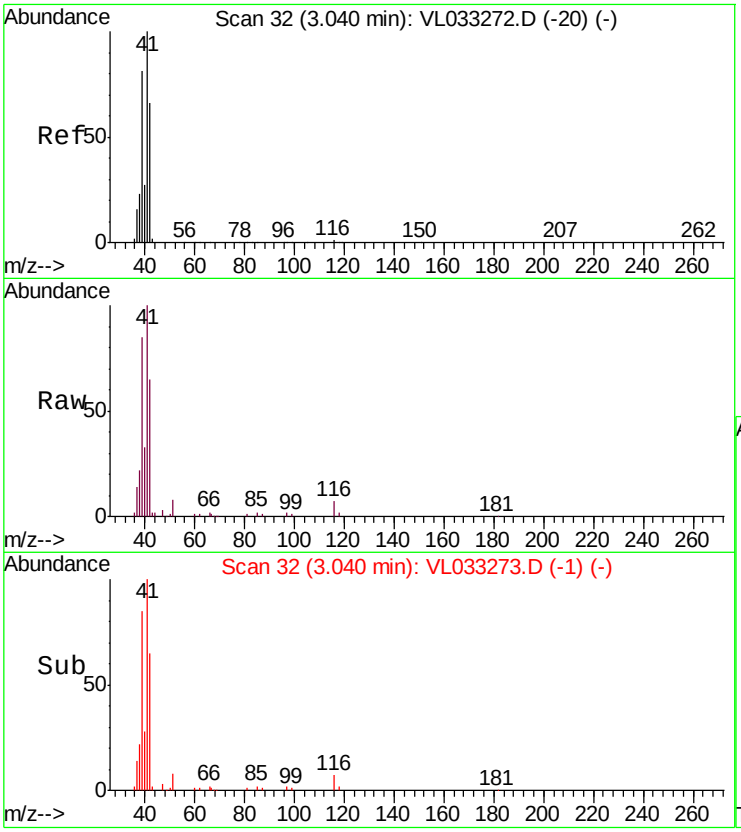


#8
Dichlorotetrafluoroethane
Concen: 1.968 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 85 Resp: 300231

Ion	Ratio	Lower	Upper
85	100		
135	67.7	53.4	80.2



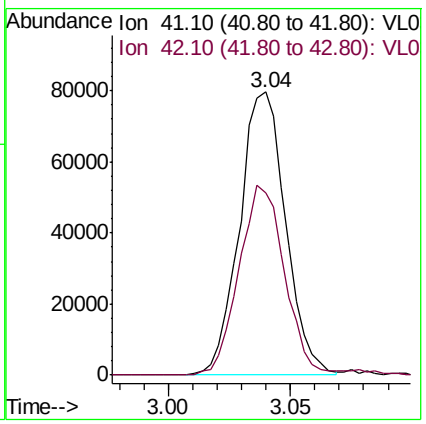


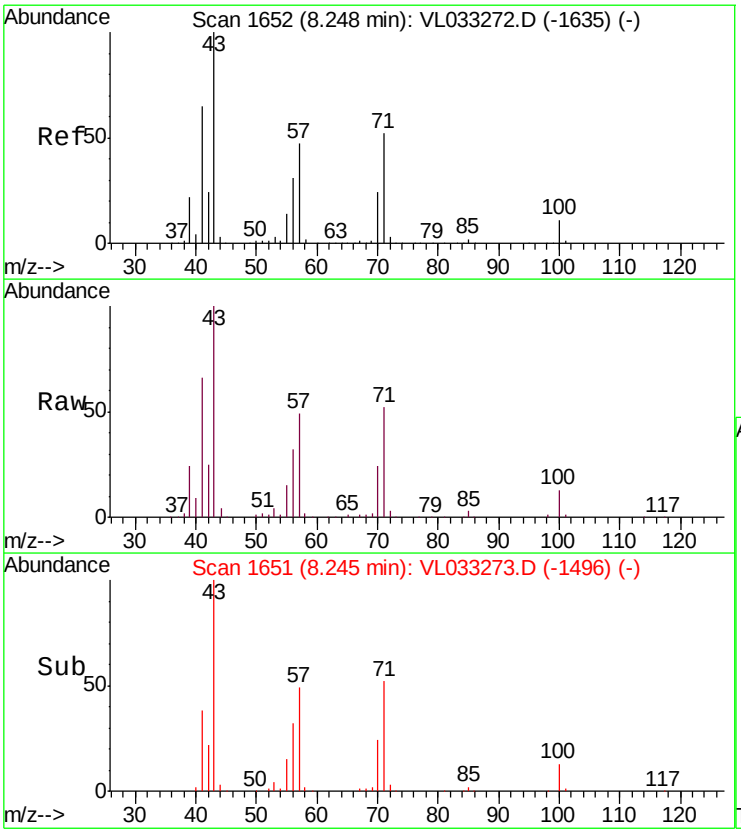
#9
Propene
Concen: 1.998 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 104095

Ion	Ratio	Lower	Upper
41	100		
42	67.7	54.6	82.0

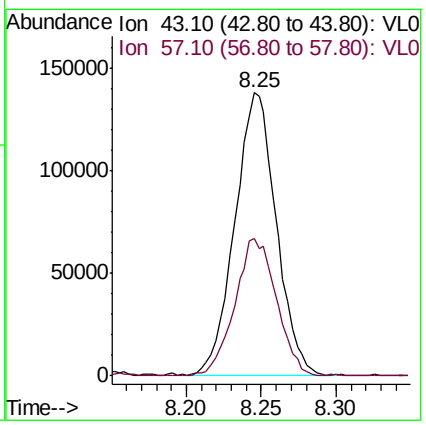


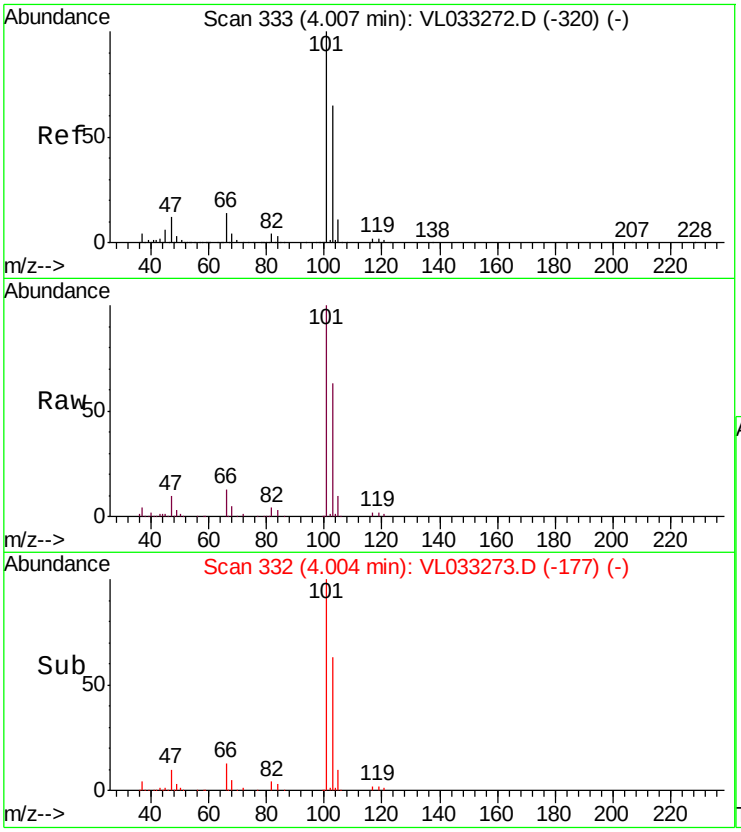


#10
Heptane
Concen: 2.145 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 43 Resp: 264962

Ion	Ratio	Lower	Upper
43	100		
57	49.3	39.8	59.8



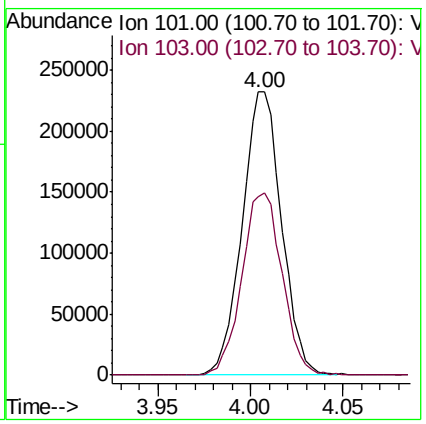


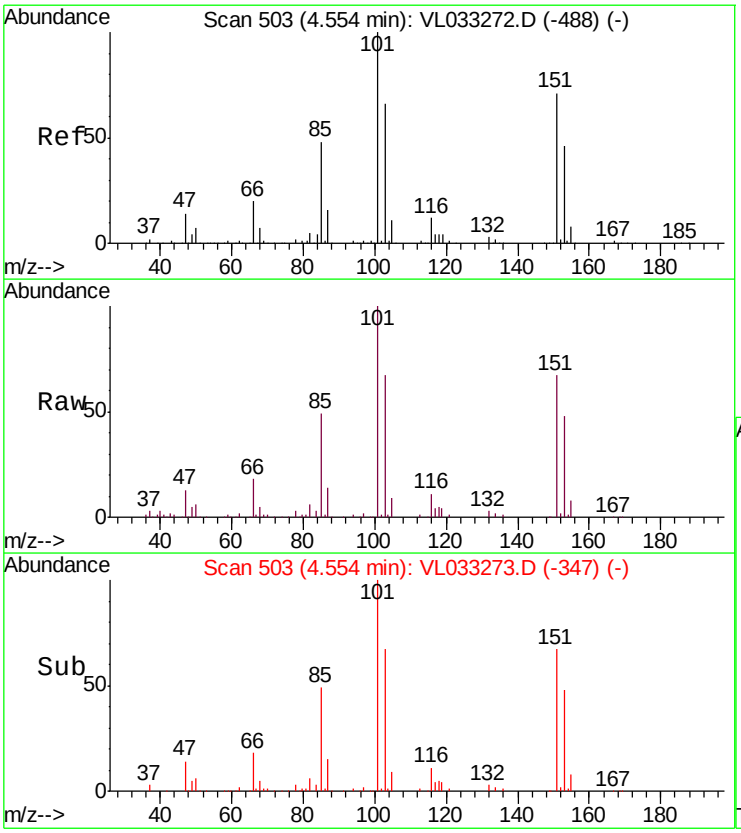
#11
Trichlorofluoromethane
Concen: 2.119 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 342446

Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.8	77.8

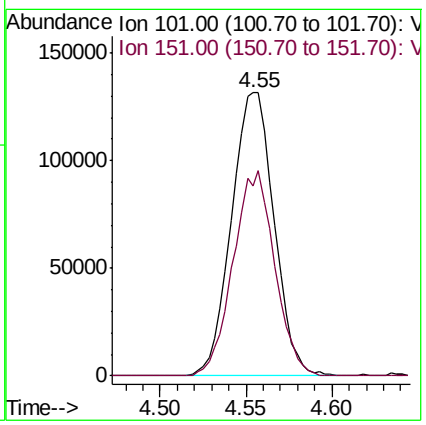


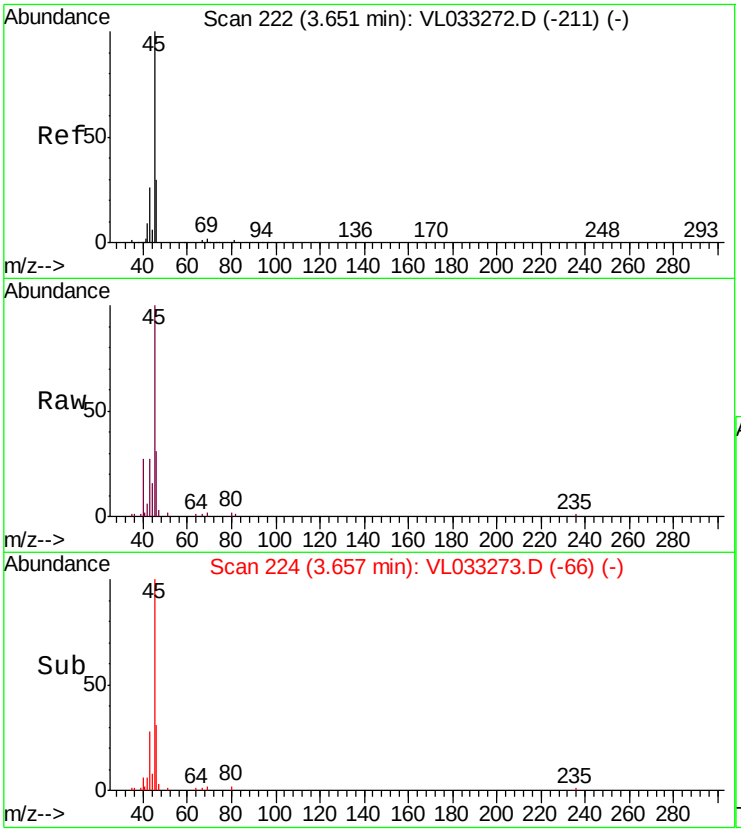


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.225 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:101 Resp: 225961

Ion	Ratio	Lower	Upper
101	100		
151	70.7	56.9	85.3



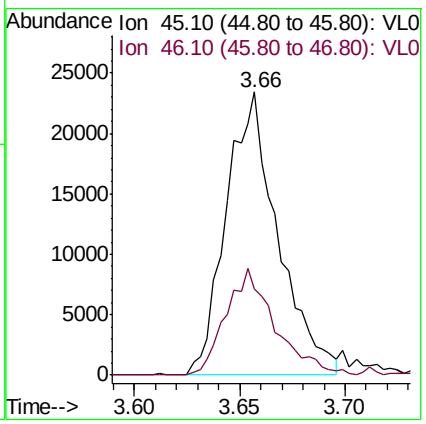


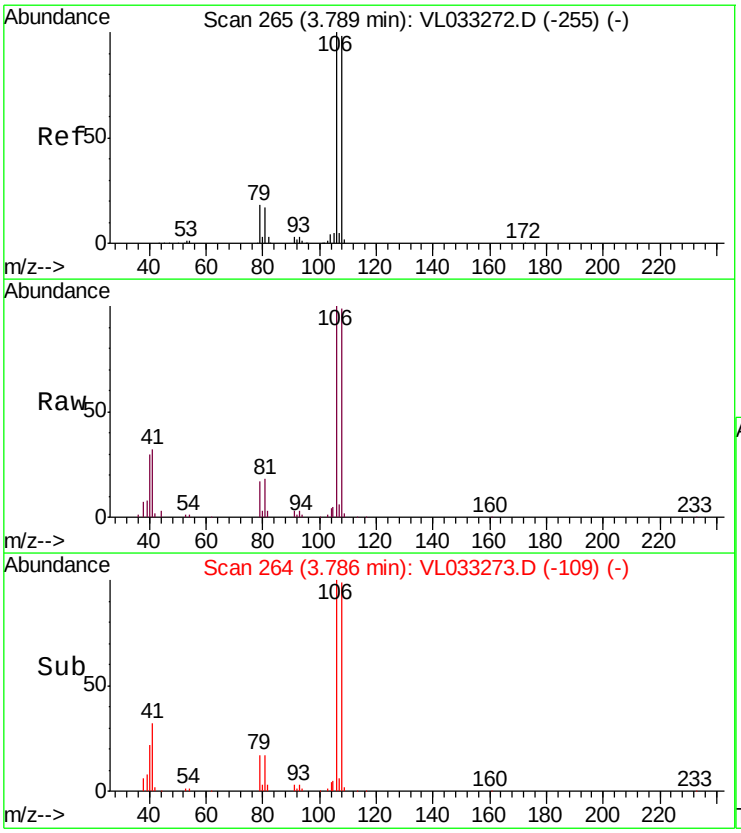
#13
Ethanol
Concen: 2.742 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 39874

Ion	Ratio	Lower	Upper
45	100		
46	36.4	13.9	55.7

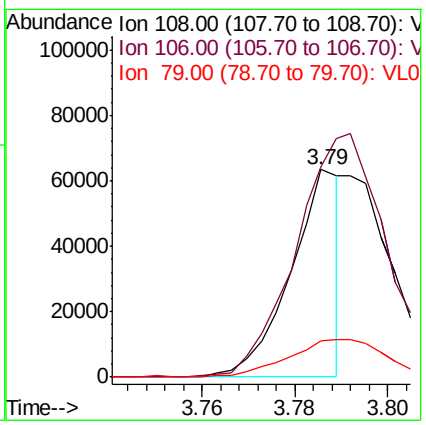


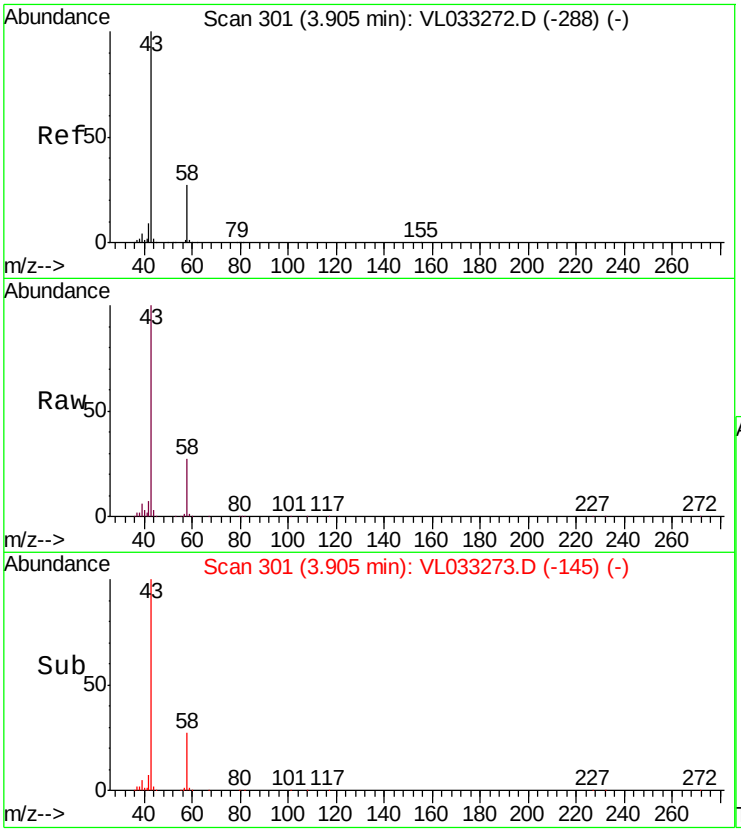


#14
Bromoethene
Concen: 1.128 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:108 Resp: 47162

Ion	Ratio	Lower	Upper
108	100		
106	0.0	85.9	128.9#
79	0.0	14.9	22.3#



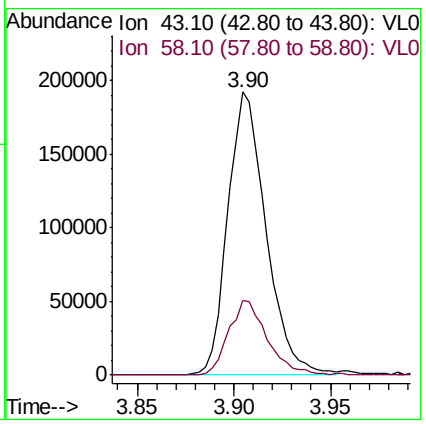


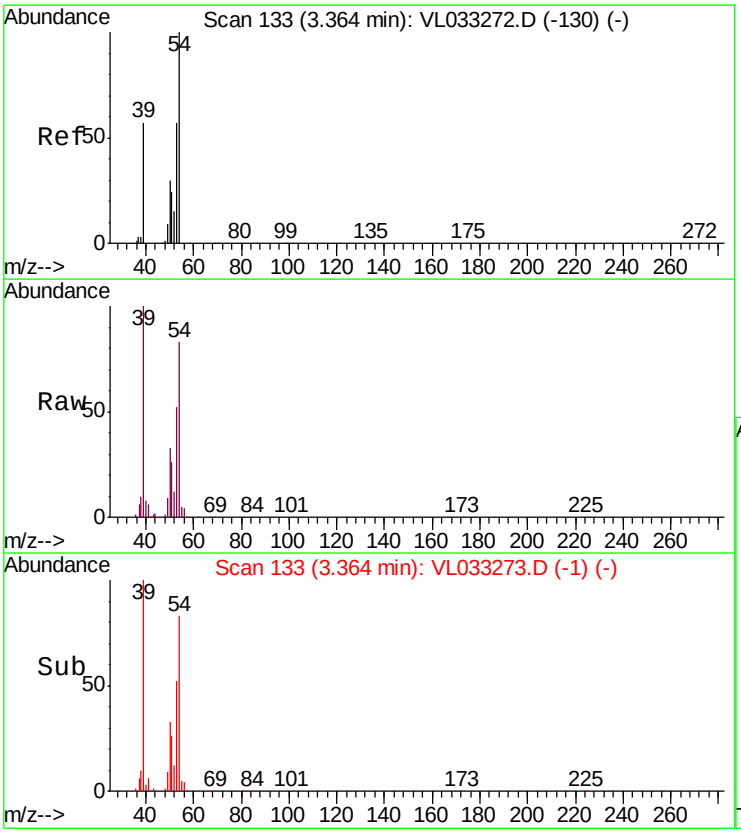
#15
Acetone
Concen: 2.258 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 261479

Ion	Ratio	Lower	Upper
43	100		
58	27.4	21.1	31.7

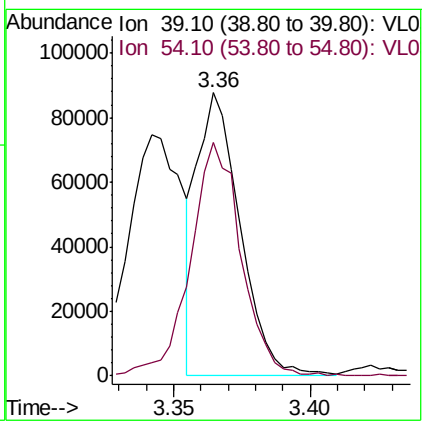


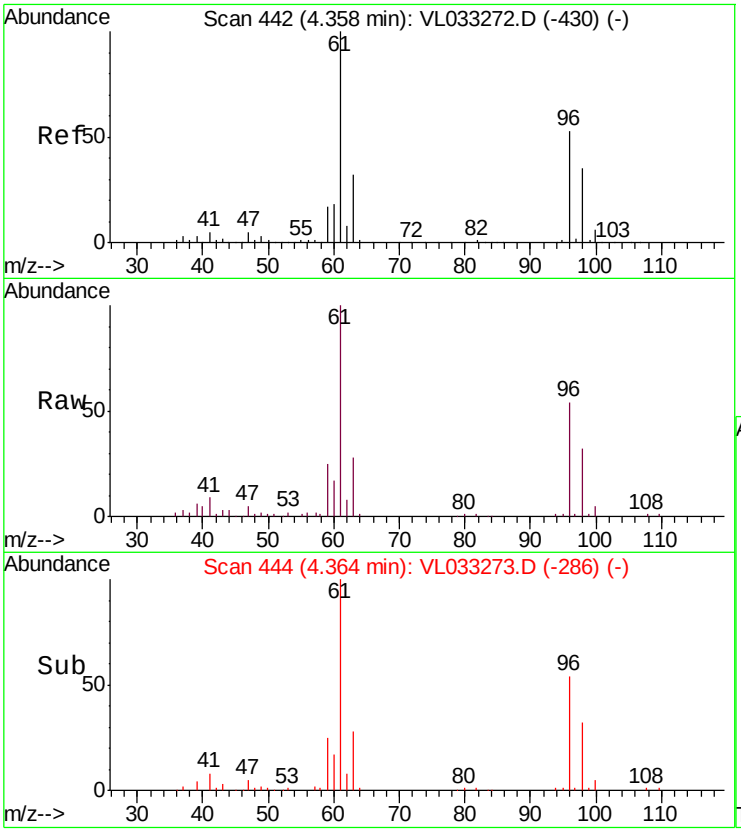


#16
1,3-Butadiene
Concen: 1.913 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 39 Resp: 95552

Ion	Ratio	Lower	Upper
39	100		
54	97.8	76.6	114.8



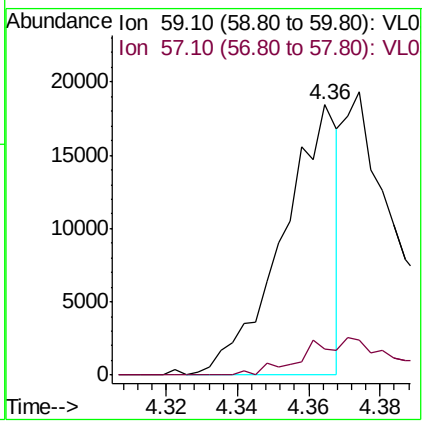


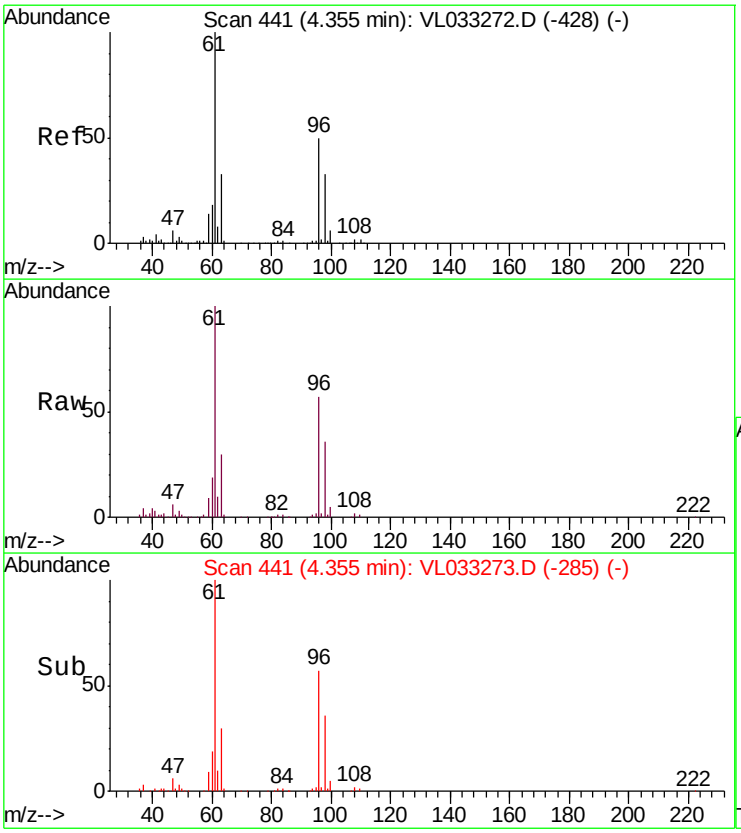
#17
tert-Butyl alcohol
Concen: 1.098 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 19957

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.5	11.3#

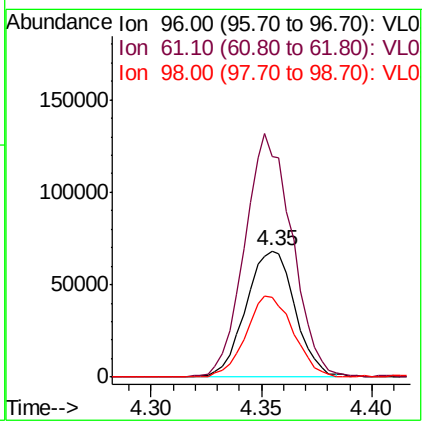


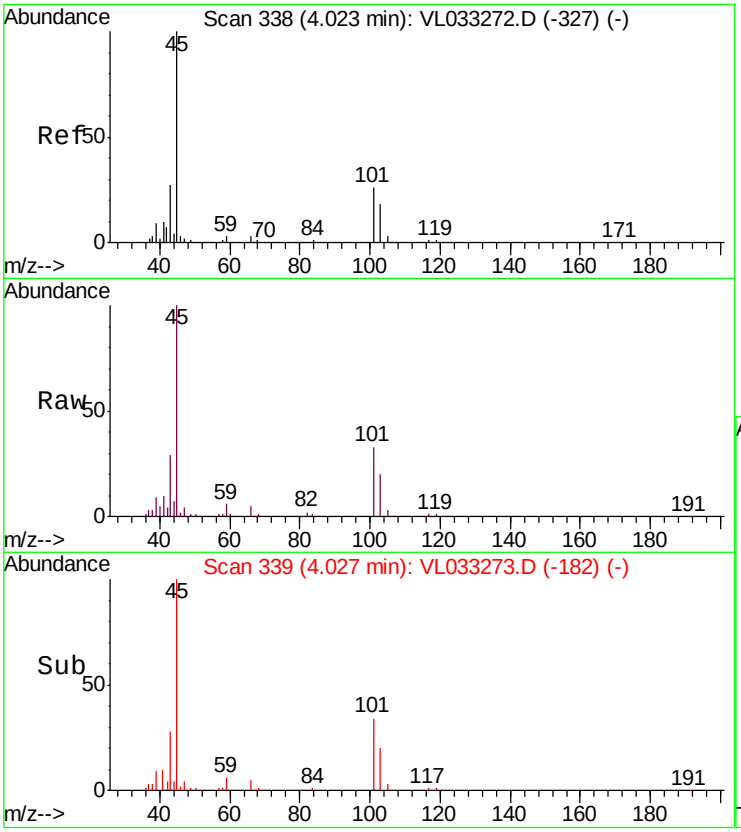


#18
1,1-Dichloroethene
Concen: 2.352 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 96 Resp: 104674

Ion	Ratio	Lower	Upper
96	100		
61	175.4	158.9	238.3
98	63.8	52.4	78.6



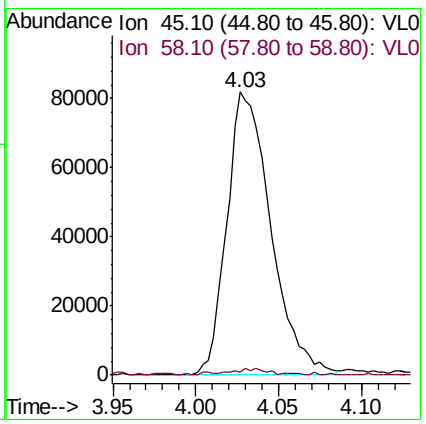


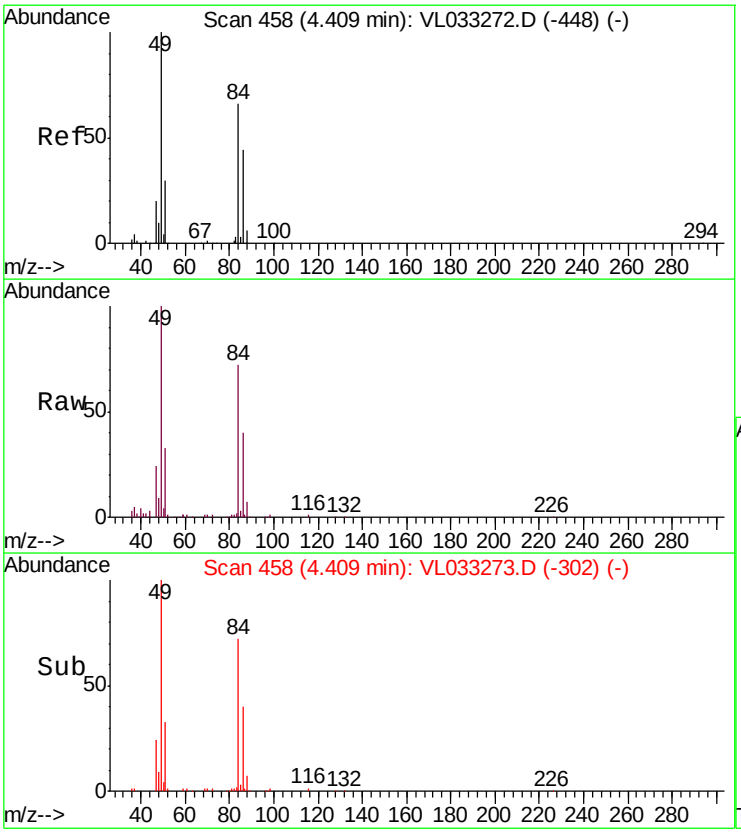
#19
Isopropyl Alcohol
Concen: 2.181 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 151520

Ion	Ratio	Lower	Upper
45	100		
58	47.6	1.4	2.2#

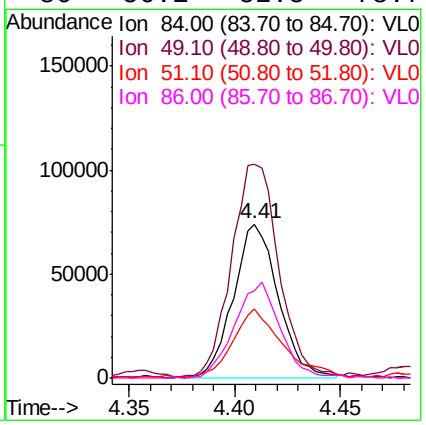


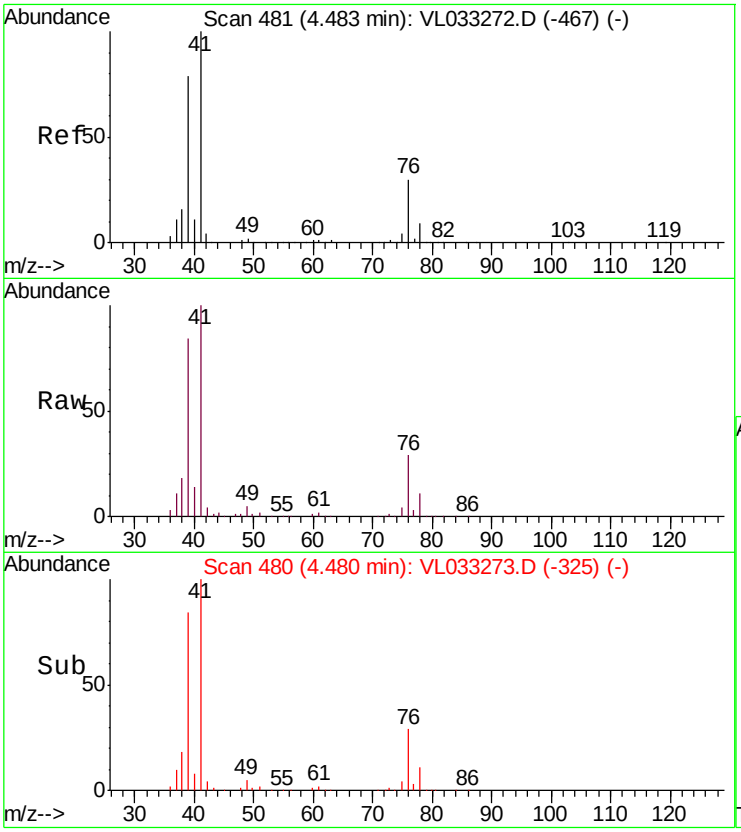


#20
Methylene Chloride
Concen: 2.401 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 84 Resp: 109777

Ion	Ratio	Lower	Upper
84	100		
49	137.1	120.3	180.5
51	44.5	36.2	54.4
86	56.1	52.5	78.7



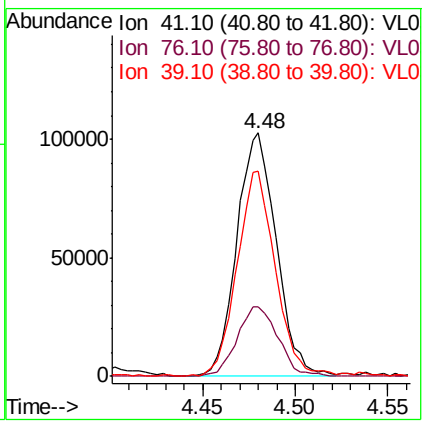


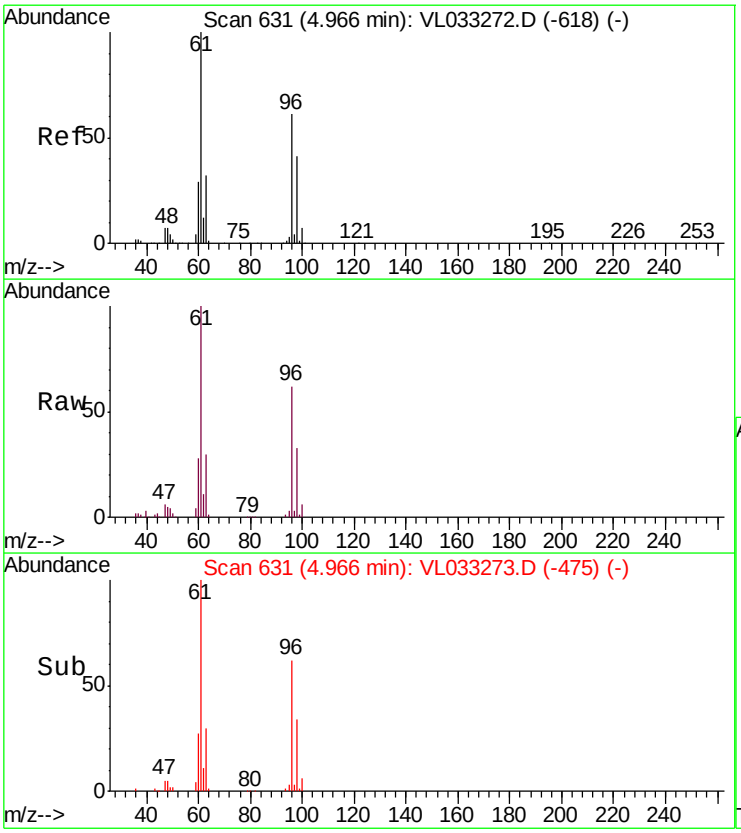
#21
Allyl Chloride
Concen: 2.250 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 41 Resp: 150669

Ion	Ratio	Lower	Upper
41	100		
76	30.0	25.0	37.4
39	83.6	64.2	96.4

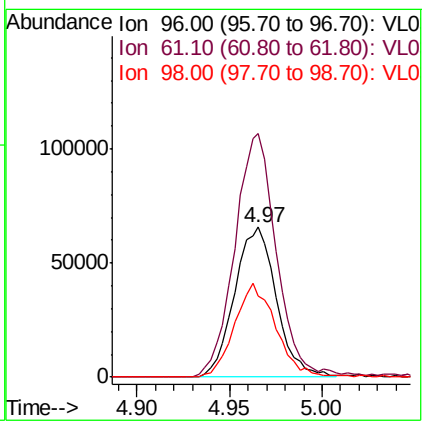


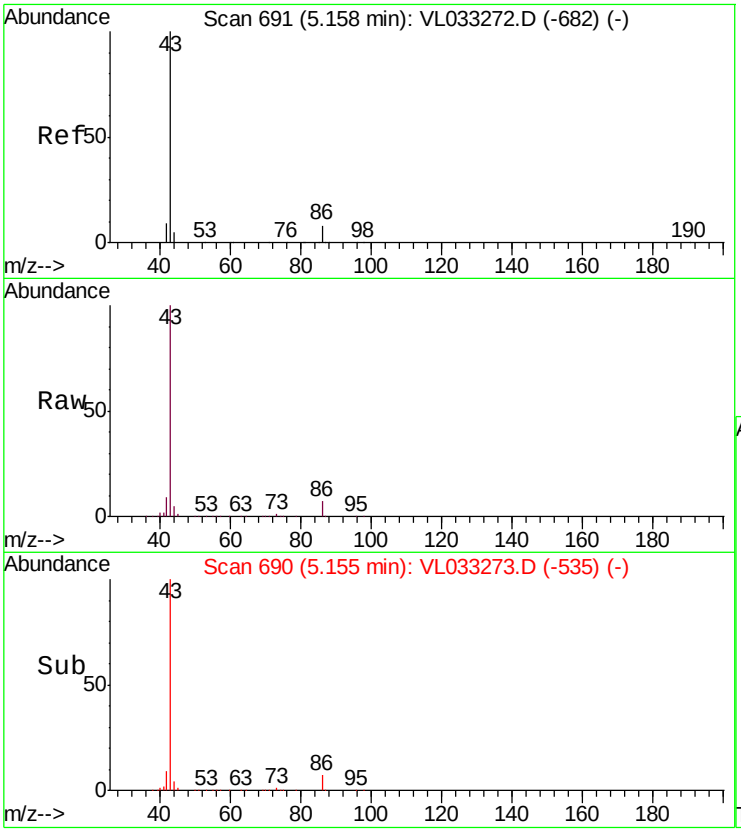


#22
trans-1,2-Dichloroethene
Concen: 2.184 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 96 Resp: 103642

Ion	Ratio	Lower	Upper
96	100		
61	161.7	131.6	197.4
98	53.9	54.1	81.1#



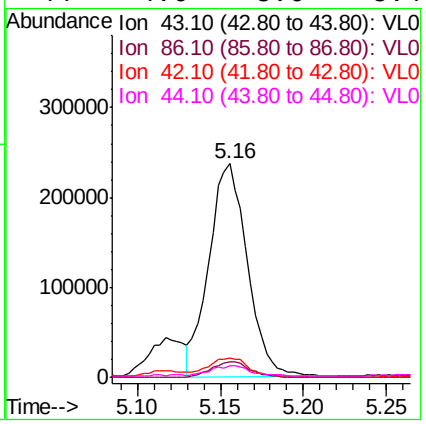


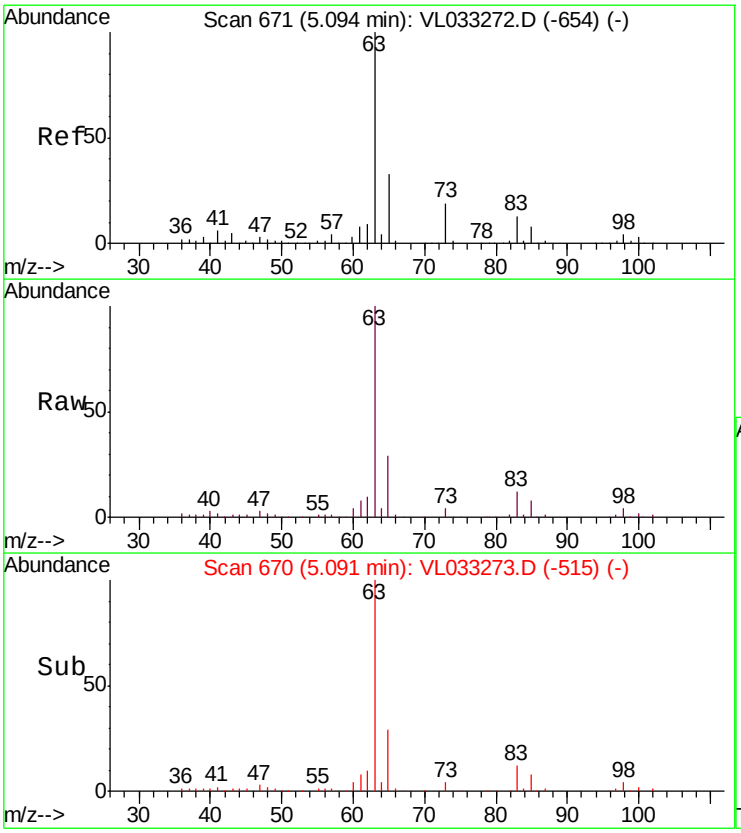
#23
Vinyl Acetate
Concen: 2.382 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 382336

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.5	8.3
42	8.8	7.8	11.6
44	4.6	3.6	5.4

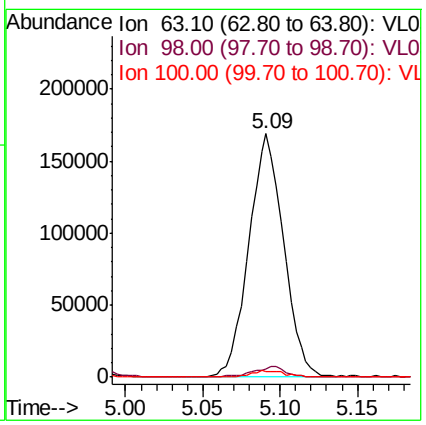


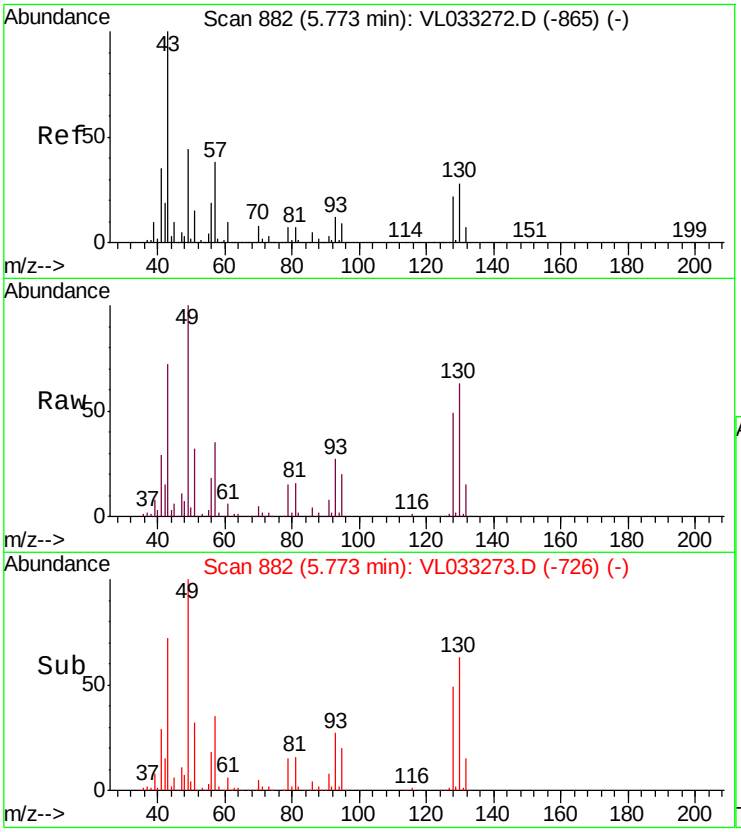


#24
1,1-Dichloroethane
Concen: 2.173 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 63 Resp: 264601

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.2	6.6
100	2.3	1.5	4.4



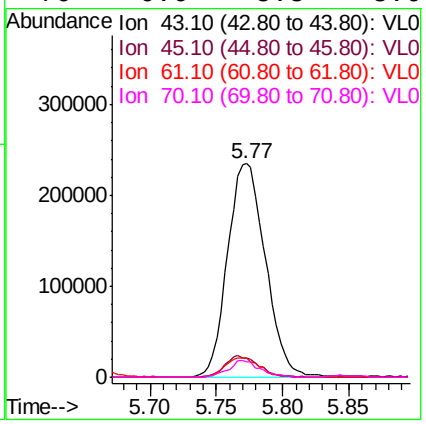


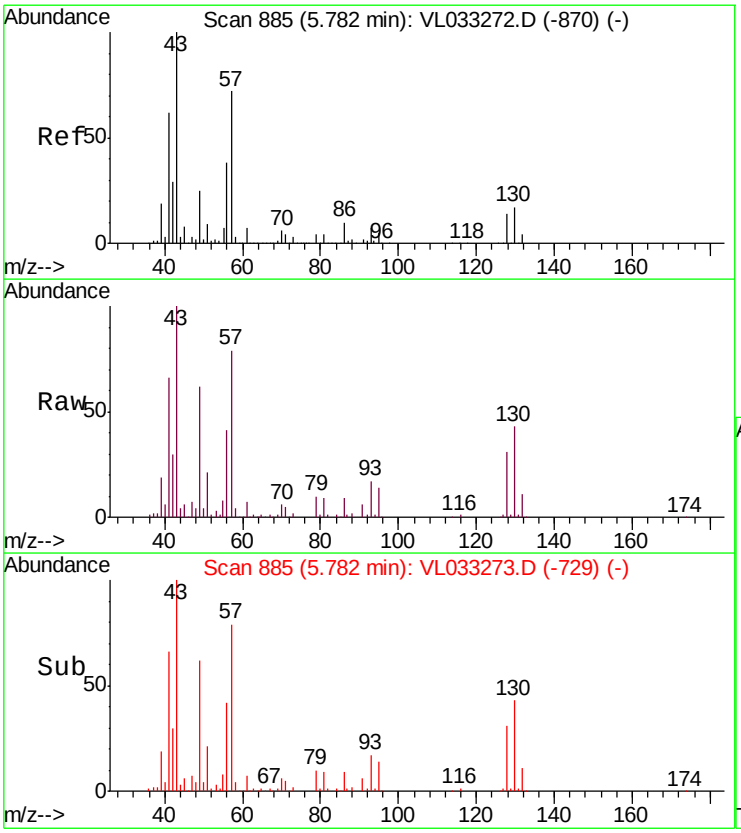
#25
Ethyl Acetate
Concen: 2.191 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 464449

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.6
61	8.5	7.3	10.9
70	6.6	5.8	8.6

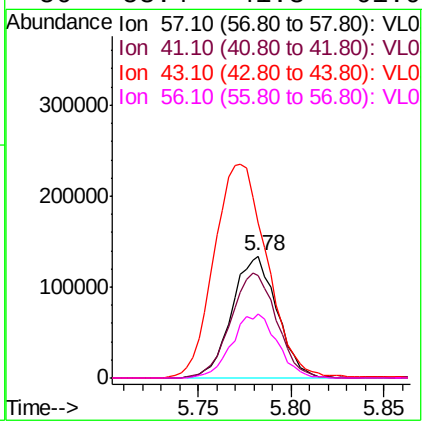


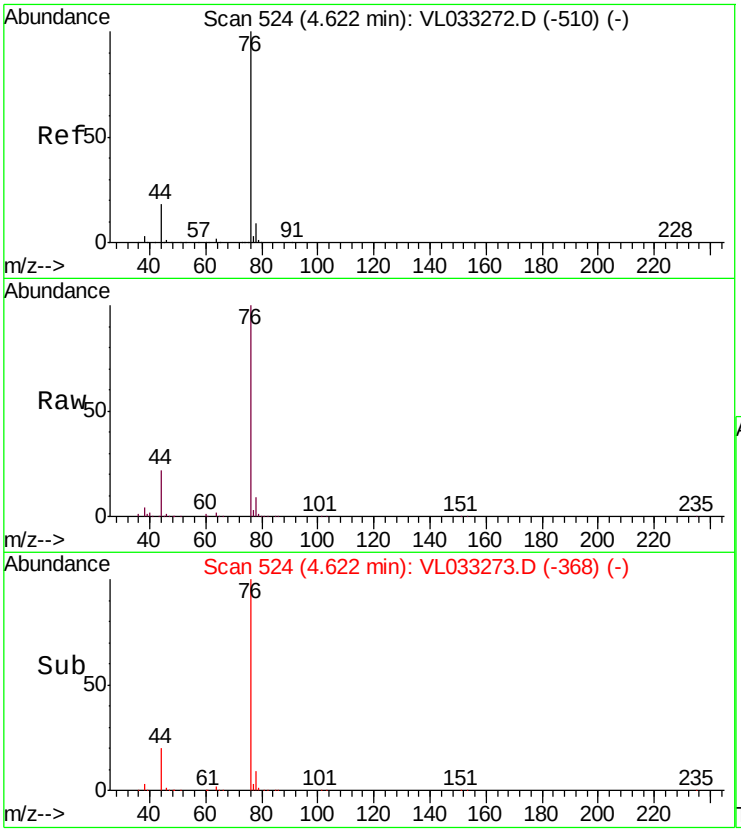


#26
Hexane
Concen: 2.249 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 57 Resp: 224695

Ion	Ratio	Lower	Upper
57	100		
41	88.8	70.7	106.1
43	209.1	178.6	267.8
56	53.4	41.3	61.9



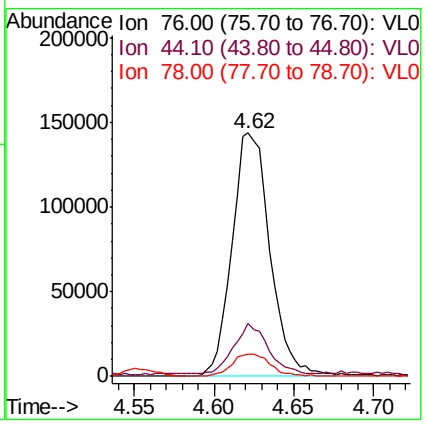


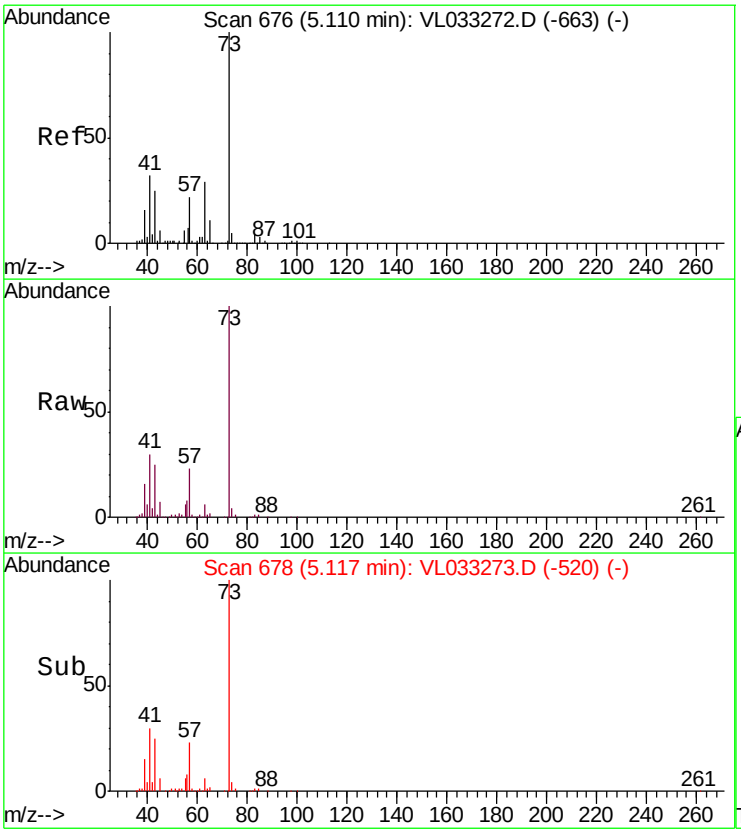
#27
Carbon Disulfide
Concen: 2.293 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 231916

Ion	Ratio	Lower	Upper
76	100		
44	19.5	15.1	22.7
78	9.6	7.4	11.0

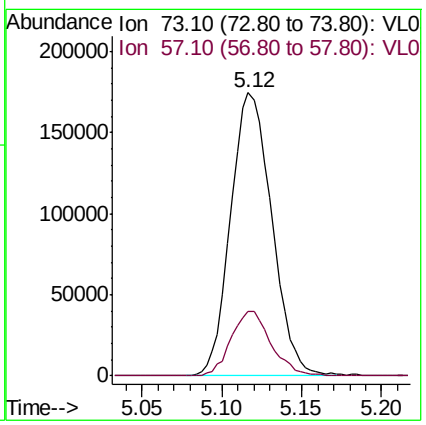


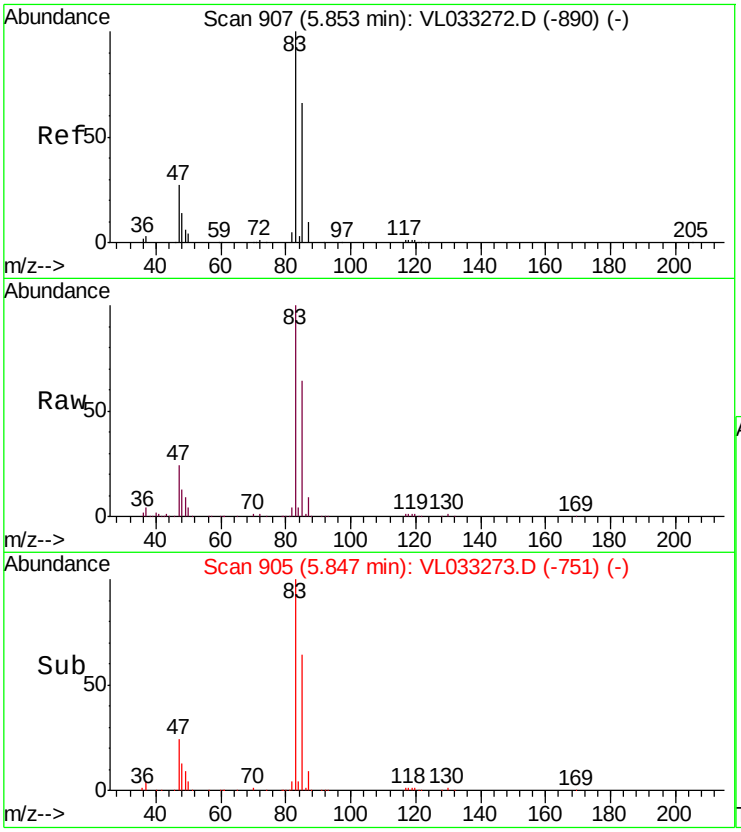


#28
Methyl tert-Butyl Ether
Concen: 2.321 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 73 Resp: 305711

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9



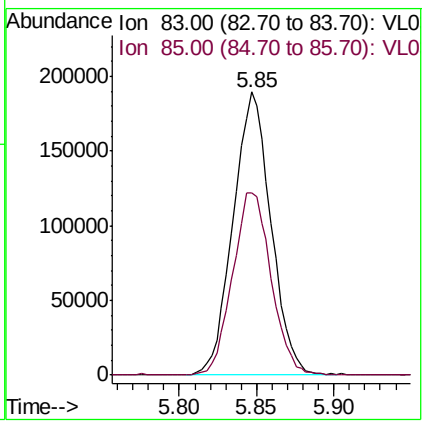


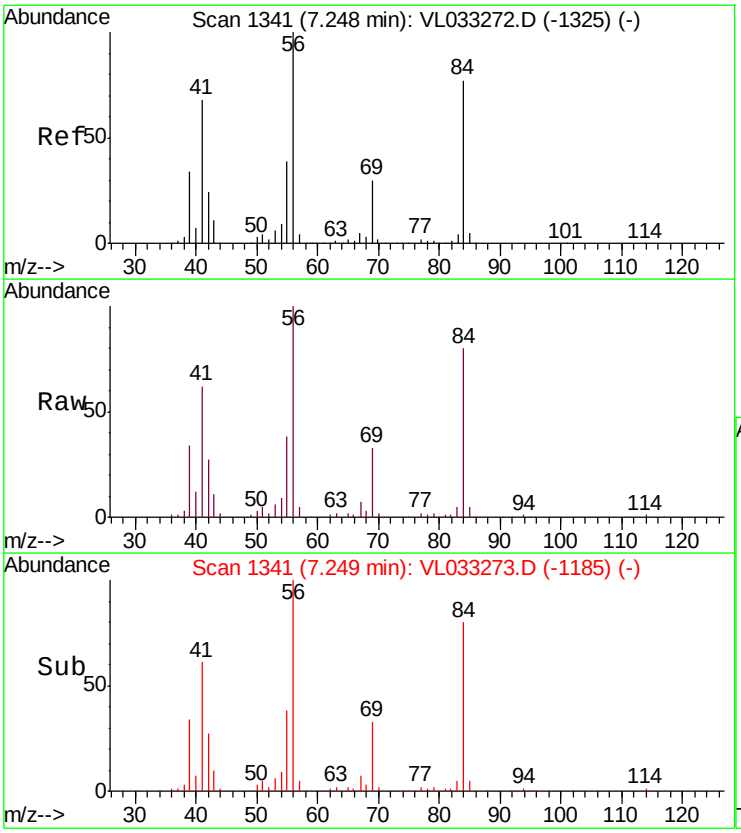
#29
Chloroform
Concen: 2.109 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 320421

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7

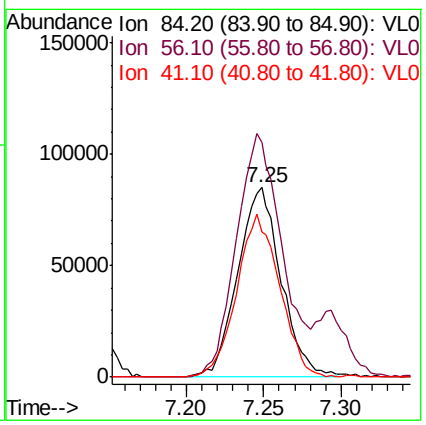


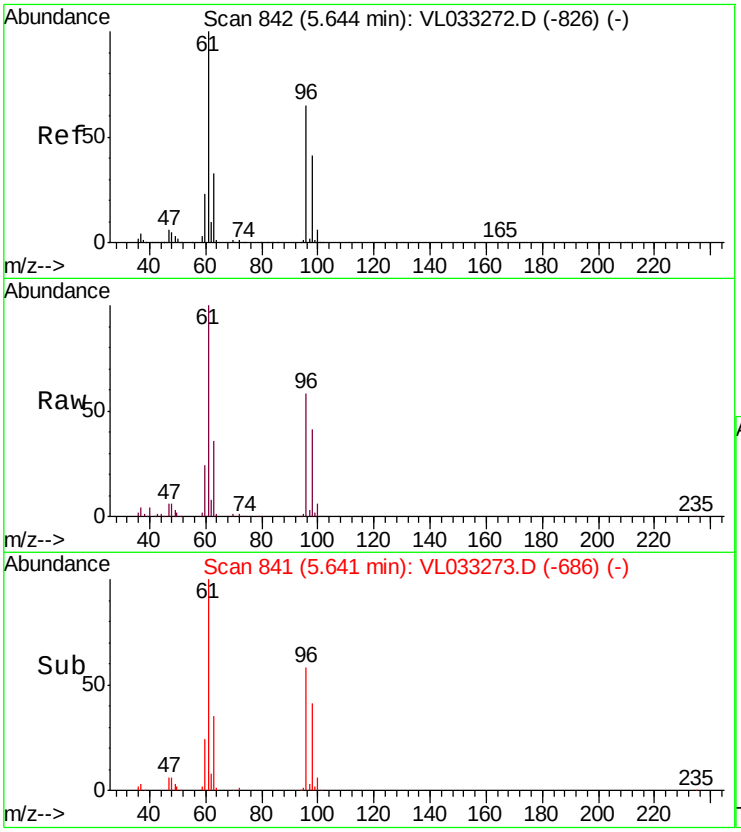


#30
Cyclohexane
Concen: 2.207 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 84 Resp: 165636

Ion	Ratio	Lower	Upper
84	100		
56	161.8	112.0	168.0
41	85.6	69.9	104.9



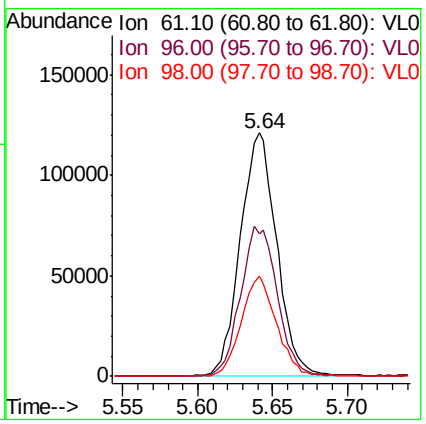


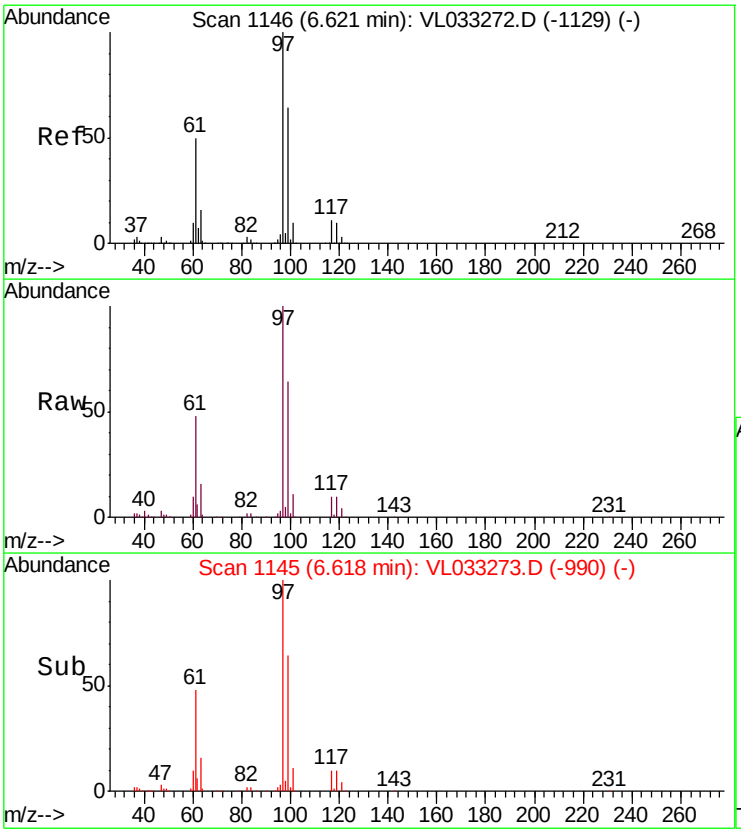
#31
cis-1,2-Dichloroethene
Concen: 2.177 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 205534

Ion	Ratio	Lower	Upper
61	100		
96	58.3	51.8	77.8
98	41.1	32.9	49.3

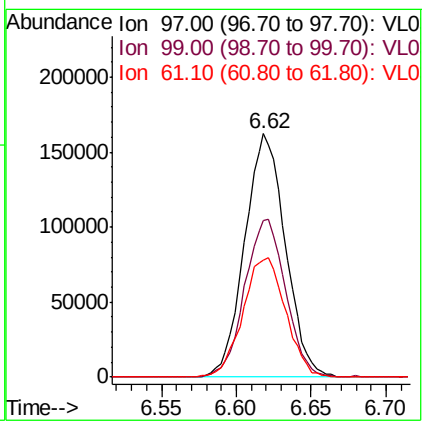


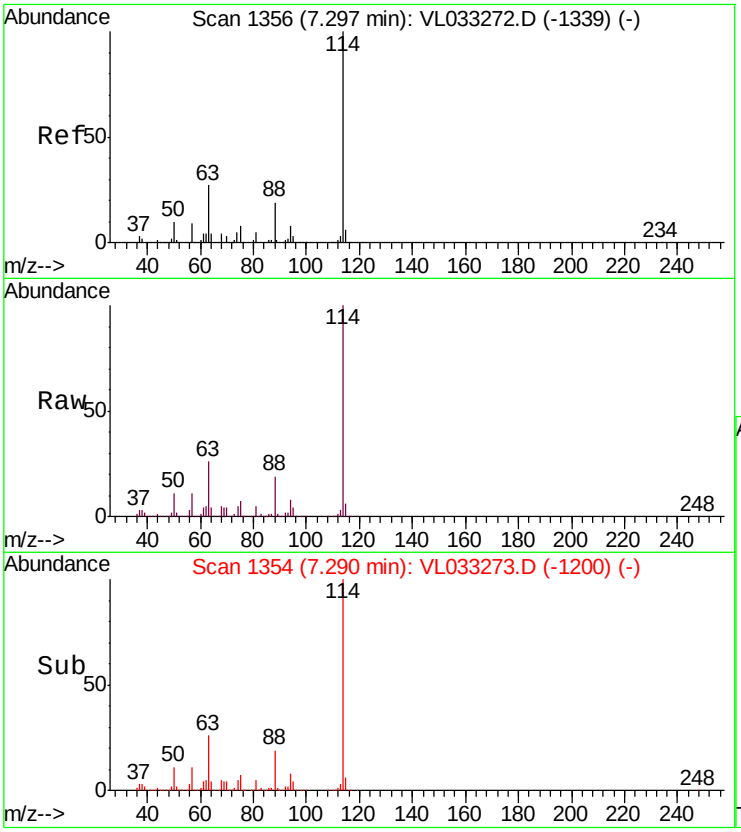


#32
1,1,1-Trichloroethane
Concen: 2.144 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 97 Resp: 307136

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.7	77.5
61	51.6	39.7	59.5



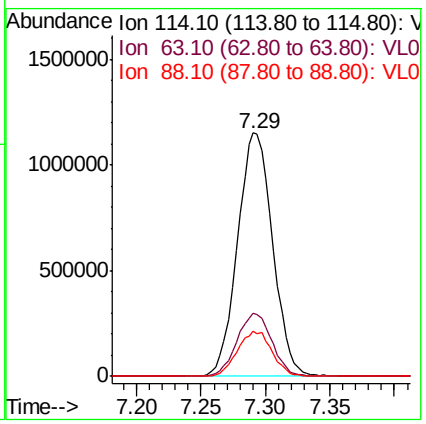


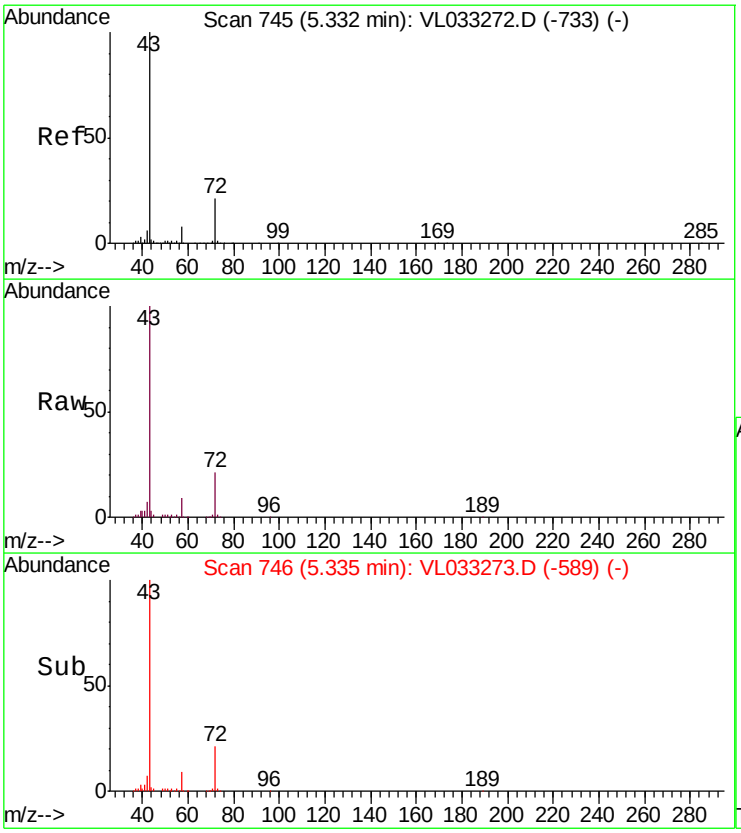
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 2181283

Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.5	32.3
88	18.3	14.6	22.0

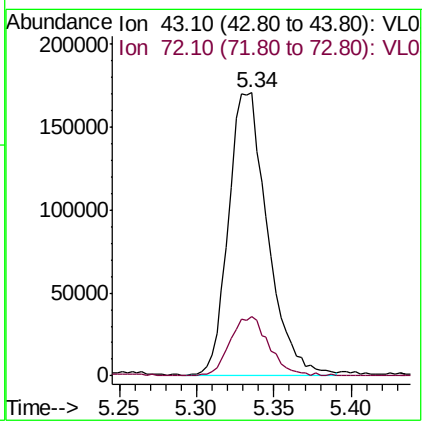


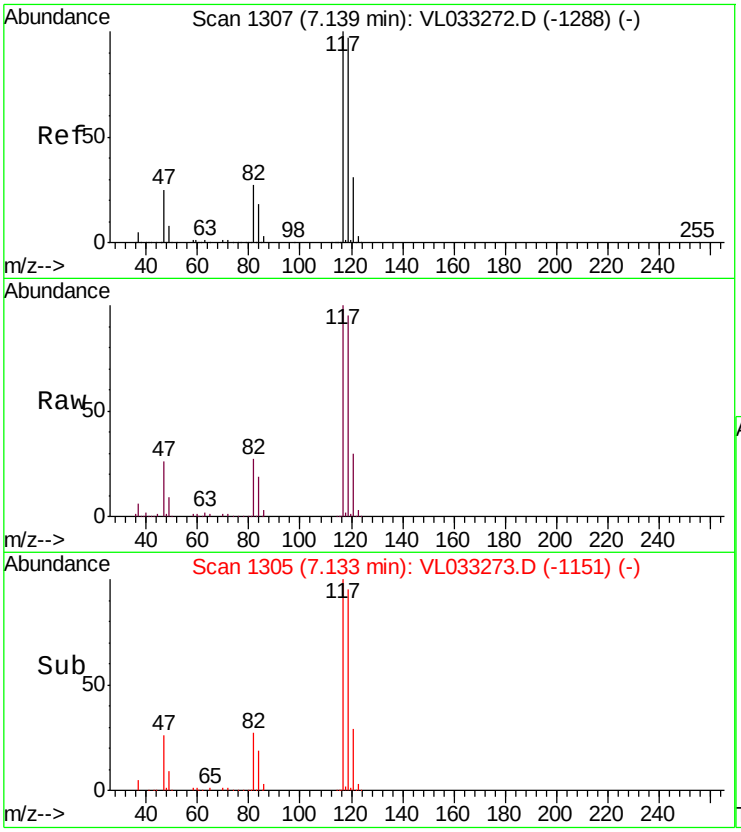


#34
2-Butanone
Concen: 2.207 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 43 Resp: 298440

Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.0	25.6



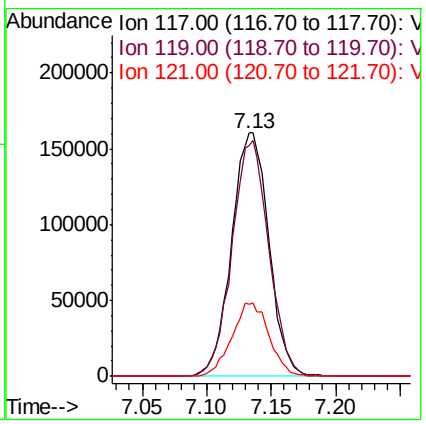


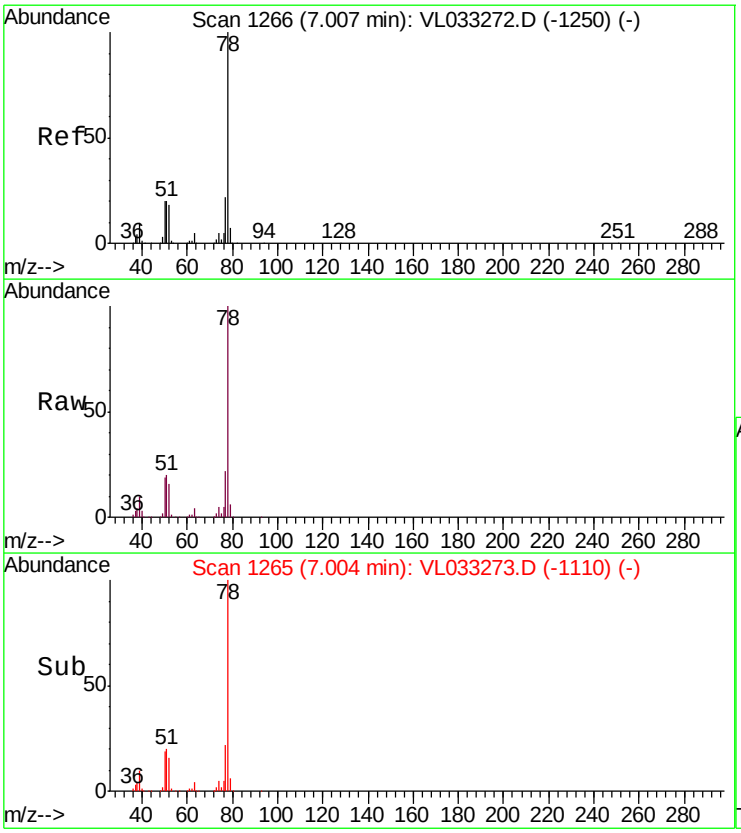
#35
Carbon Tetrachloride
Concen: 2.157 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 322326

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.4	116.0
121	29.6	24.9	37.3

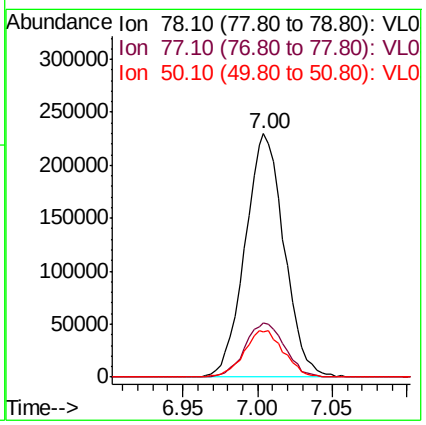


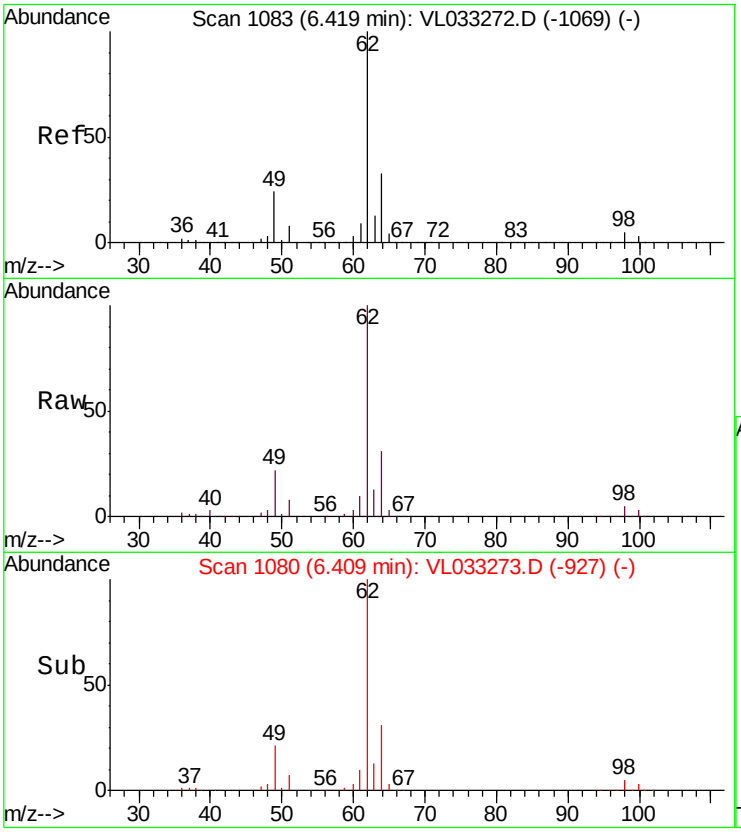


#36
Benzene
Concen: 2.160 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 78 Resp: 416437

Ion	Ratio	Lower	Upper
78	100		
77	22.4	17.7	26.5
50	18.6	15.7	23.5



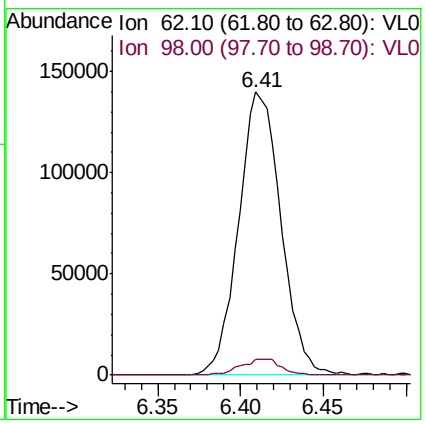


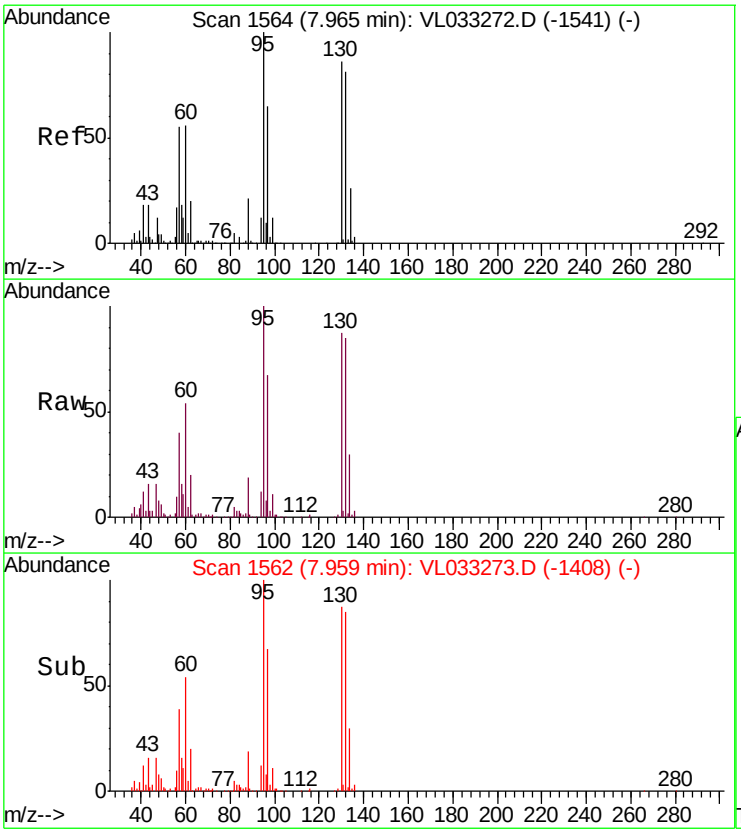
#37
1,2-Dichloroethane
Concen: 2.008 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 247289

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

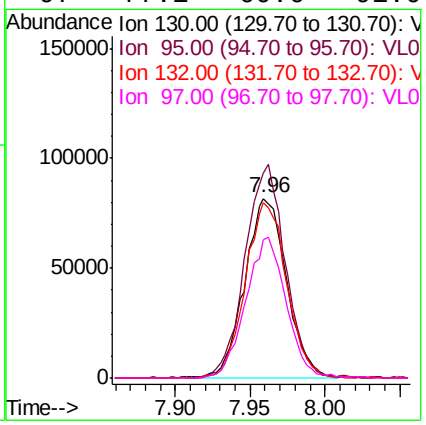


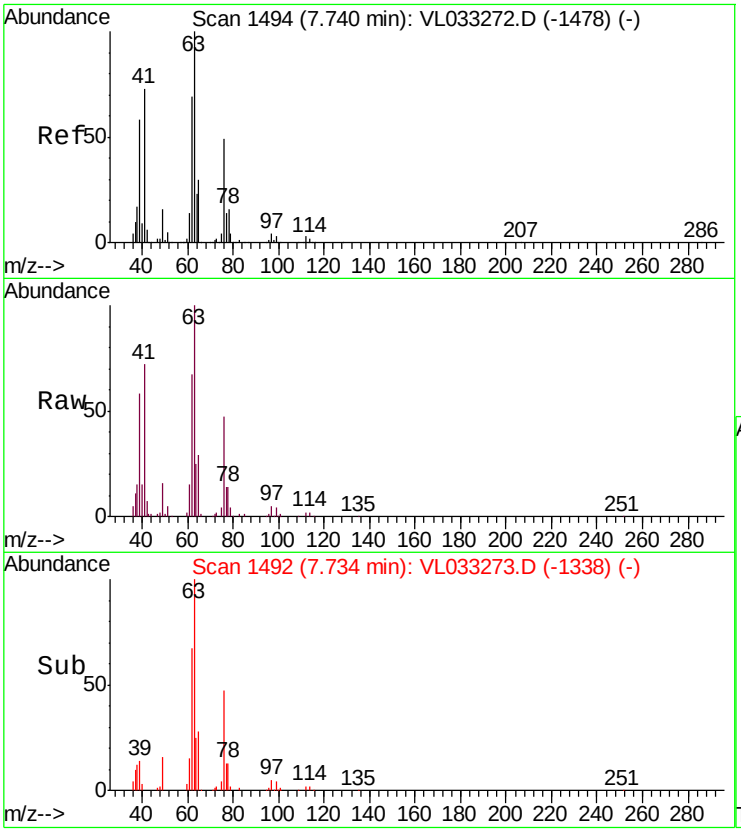


#38
Trichloroethene
Concen: 2.177 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:130 Resp: 158842

Ion	Ratio	Lower	Upper
130	100		
95	114.4	93.3	139.9
132	97.6	75.4	113.2
97	77.1	60.6	91.0



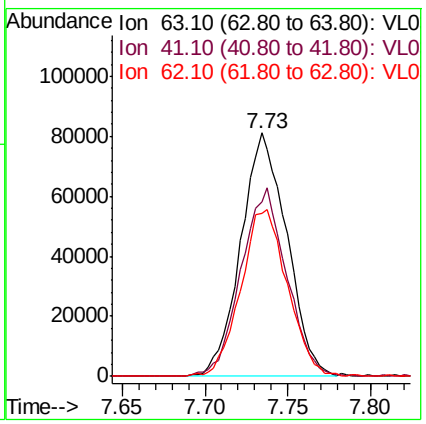


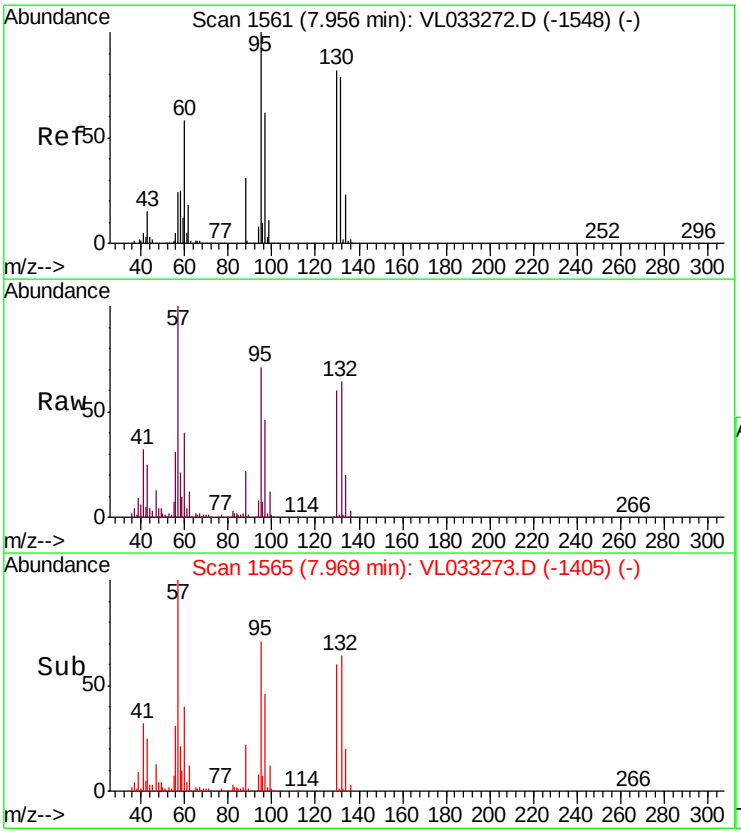
#39
1,2-Dichloropropane
Concen: 2.118 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 63 Resp: 156211

Ion	Ratio	Lower	Upper
63	100		
41	71.8	58.3	87.5
62	66.9	55.3	82.9

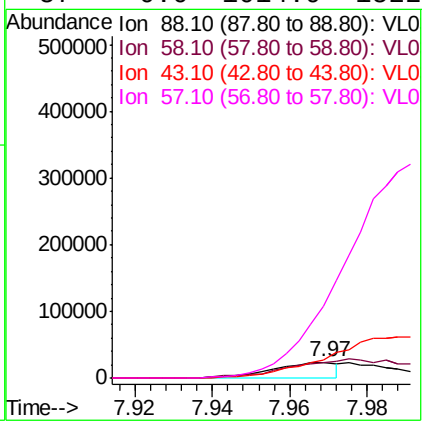


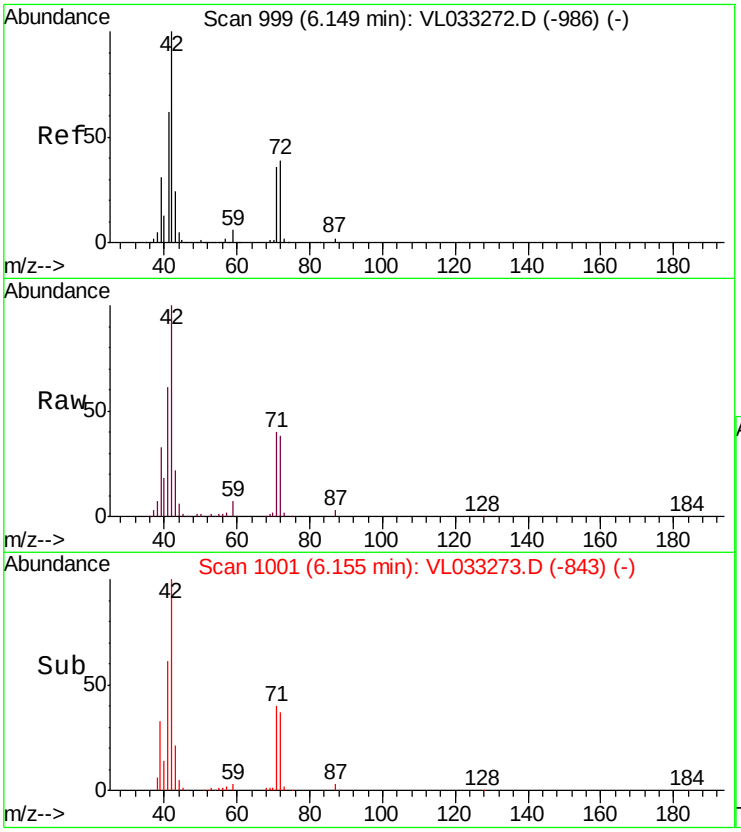


#40
1,4-Dioxane
Concen: 0.969 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 88 Resp: 26216

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#



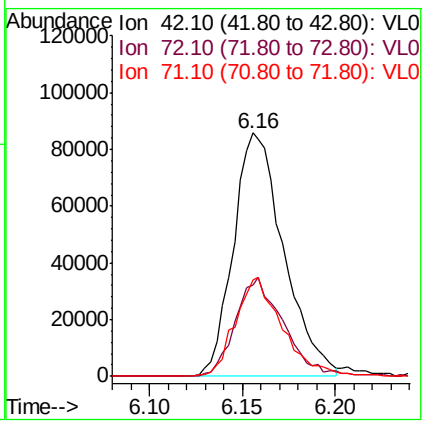


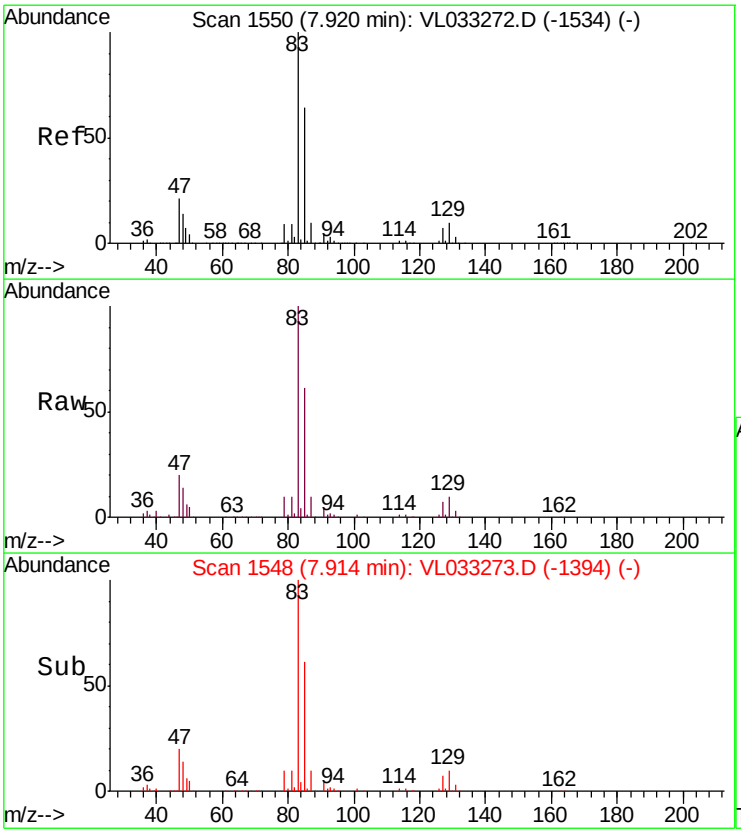
#41
Tetrahydrofuran
Concen: 2.098 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 42 Resp: 160564

Ion	Ratio	Lower	Upper
42	100		
72	39.2	30.6	46.0
71	38.1	29.7	44.5

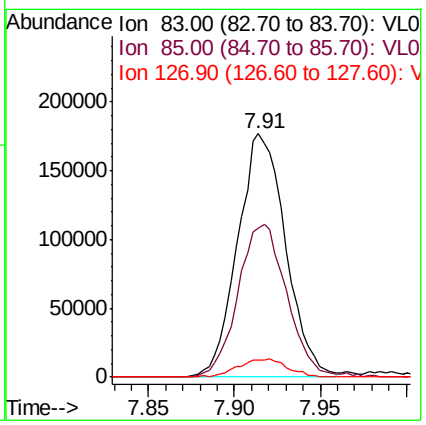


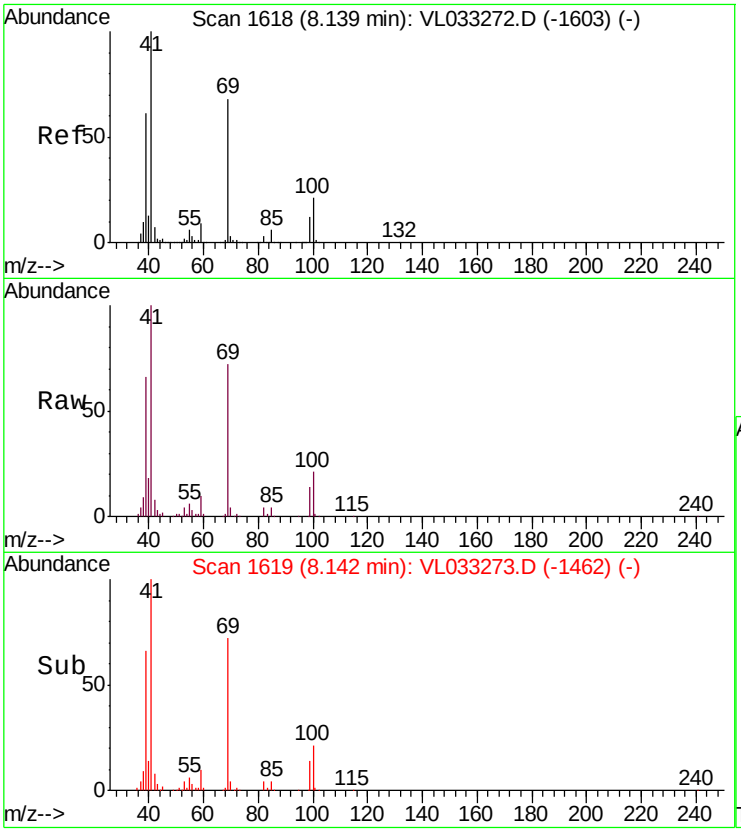


#42
Bromodichloromethane
Concen: 2.072 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 83 Resp: 340460

Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.0	76.4
127	6.8	6.0	9.0



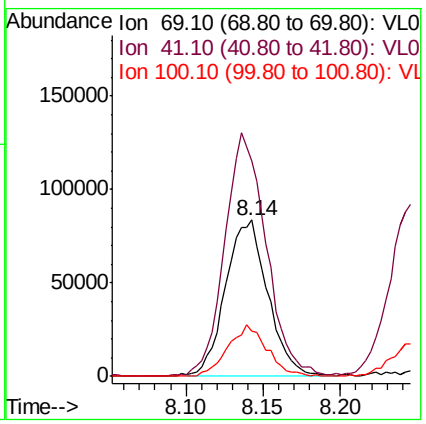


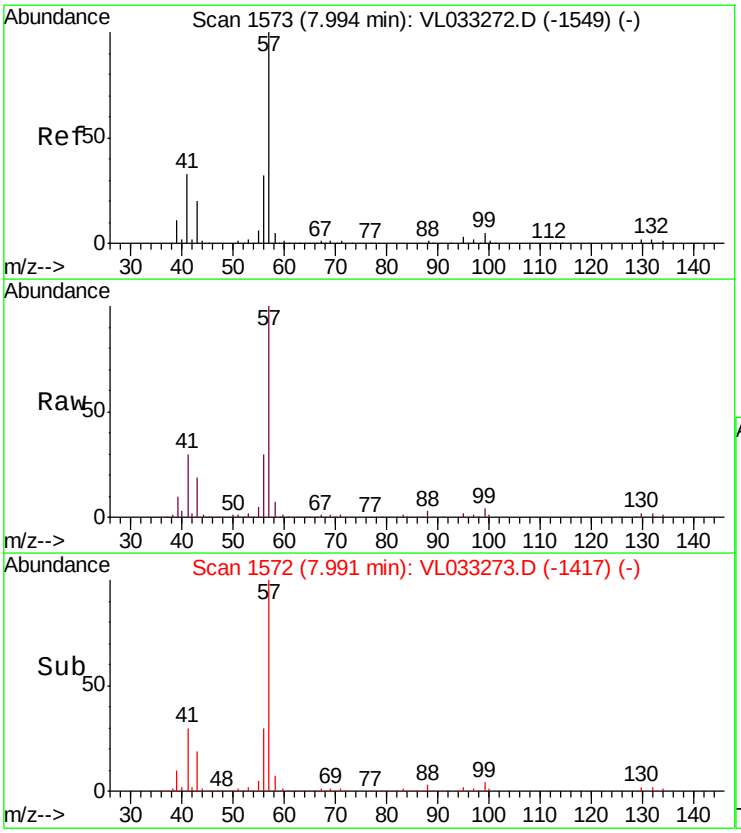
#43
Methyl Methacrylate
Concen: 2.081 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 69 Resp: 156744

Ion	Ratio	Lower	Upper
69	100		
41	155.1	121.0	181.4
100	31.0	24.4	36.6

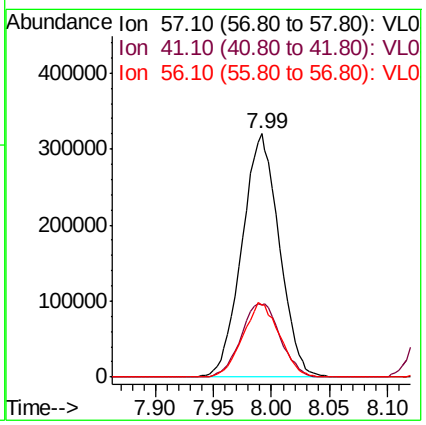


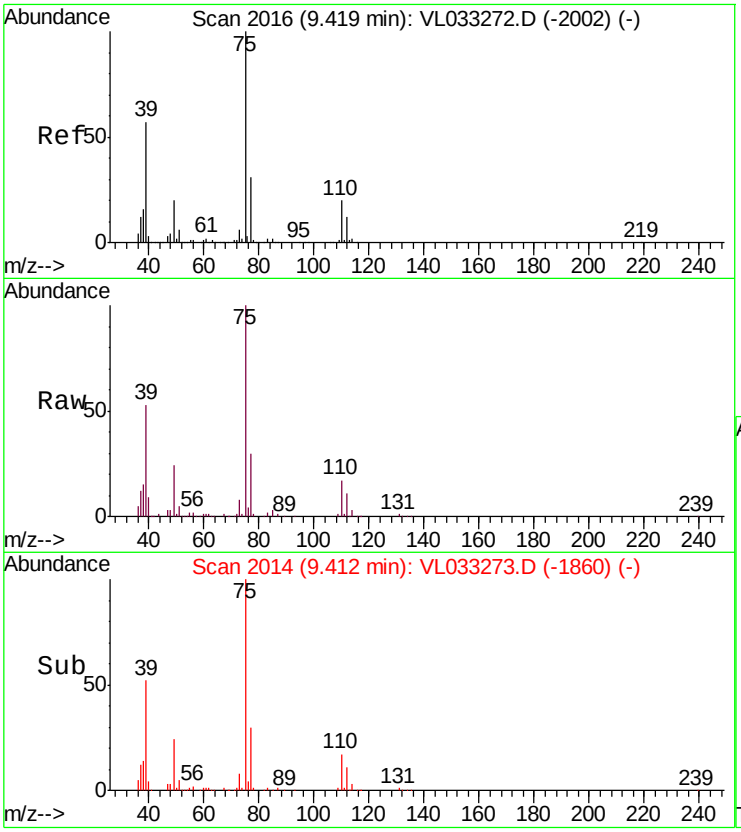


#44
2,2,4-Trimethylpentane
Concen: 2.155 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 57 Resp: 716698

Ion	Ratio	Lower	Upper
57	100		
41	32.1	26.2	39.2
56	30.4	24.8	37.2



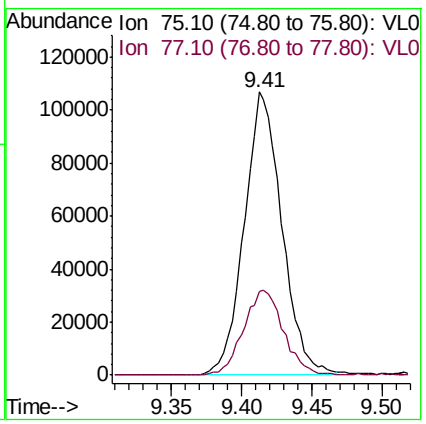


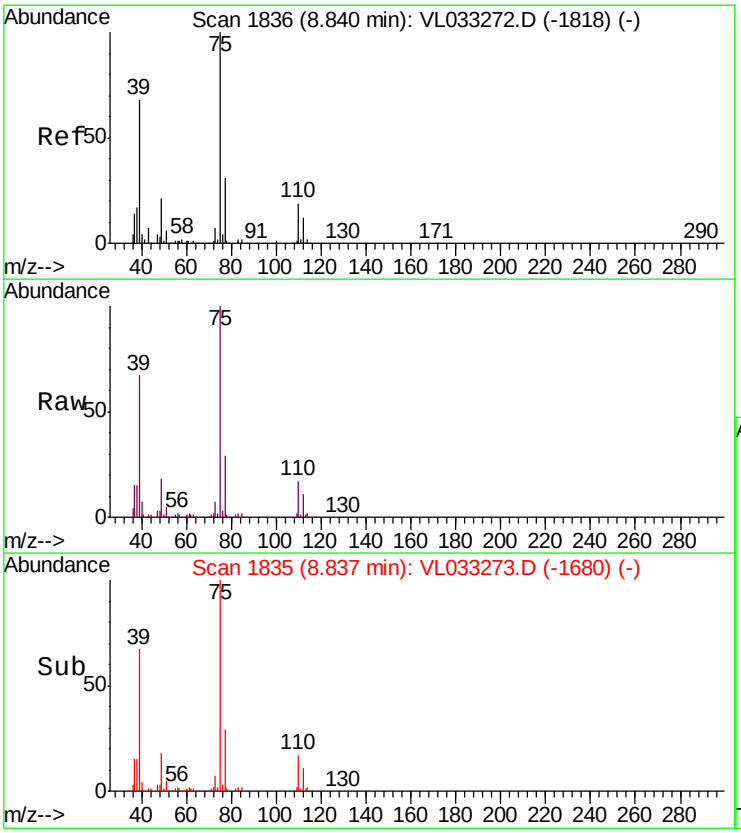
#45
t-1,3-Dichloropropene
Concen: 2.184 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 199468

Ion	Ratio	Lower	Upper
75	100		
77	29.7	24.4	36.6

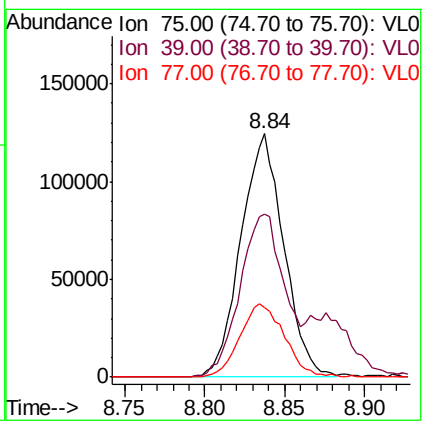


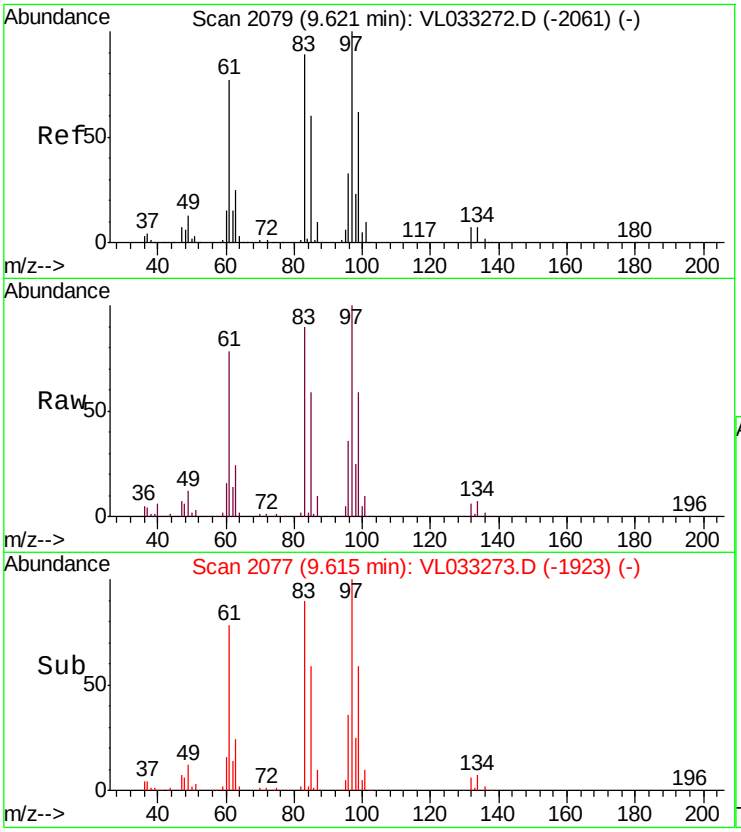


#46
cis-1,3-Dichloropropene
Concen: 2.118 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 75 Resp: 227951

Ion	Ratio	Lower	Upper
75	100		
39	66.9	54.2	81.2
77	28.7	24.5	36.7



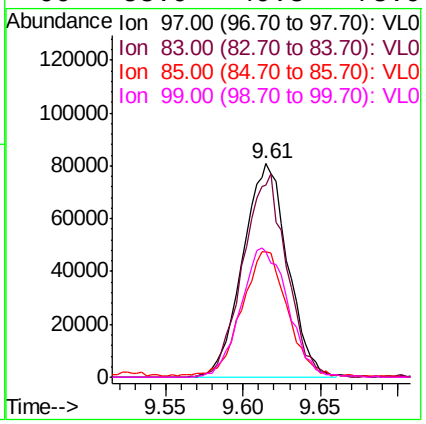


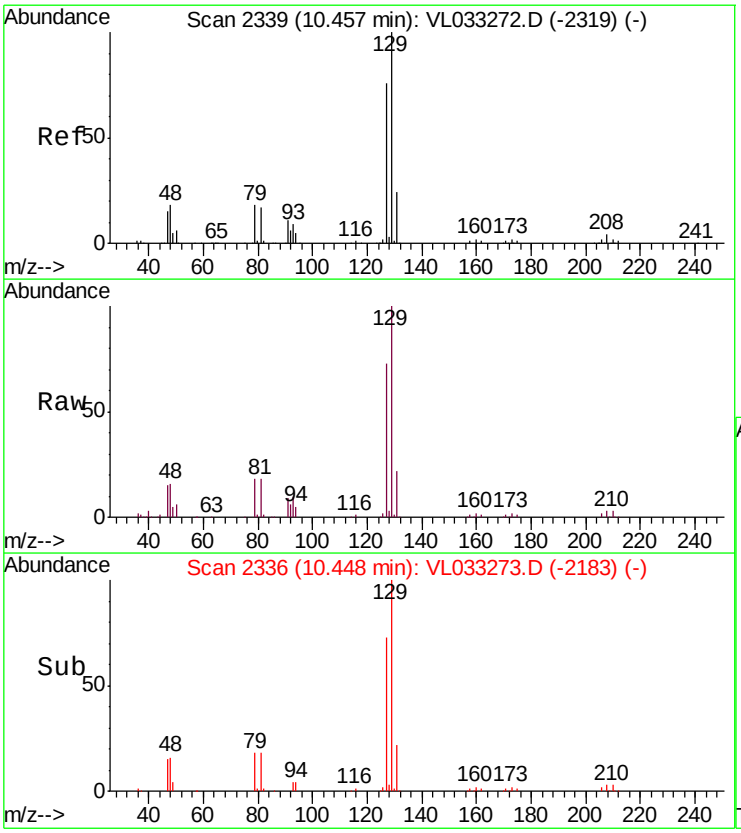
#47
1,1,2-Trichloroethane
Concen: 2.070 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 163965

Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.0	106.4
85	57.8	48.2	72.4
99	58.9	49.3	73.9

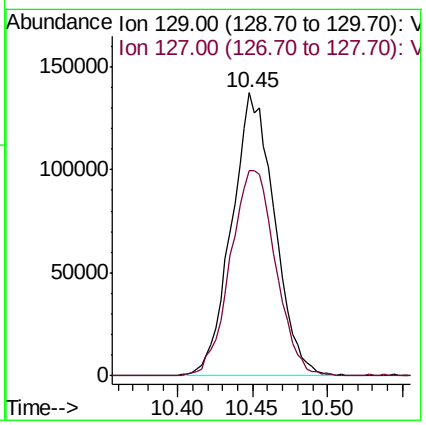


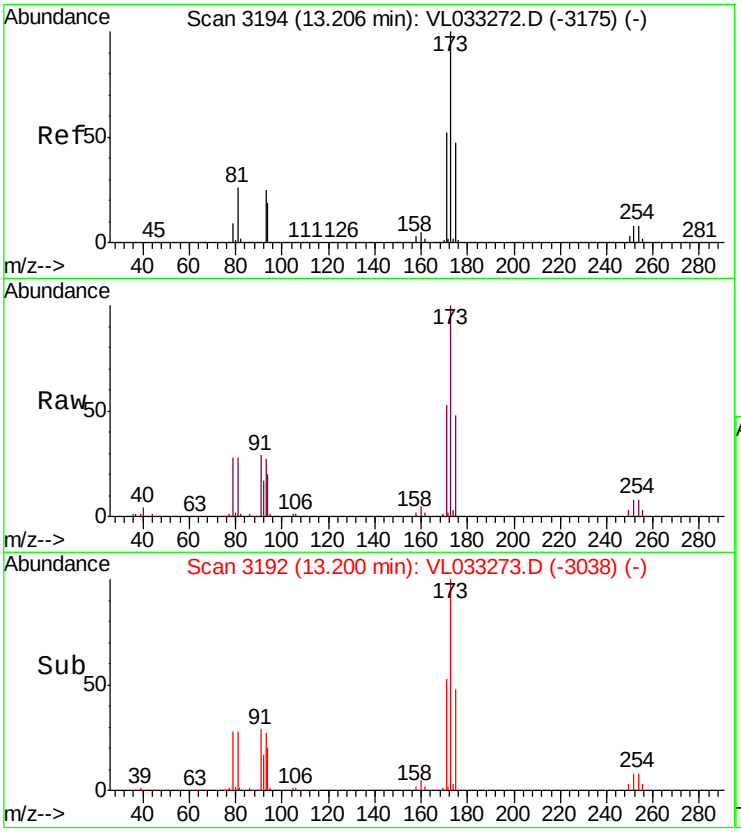


#48
Dibromochloromethane
Concen: 2.087 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:129 Resp: 270870

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.9	116.6



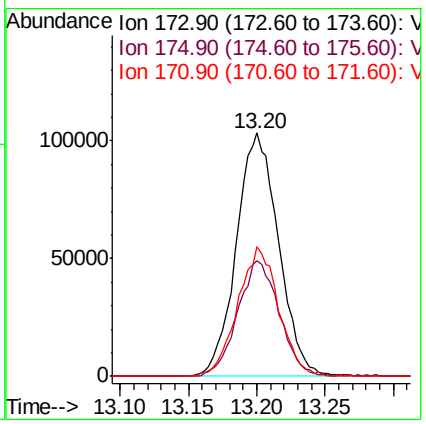


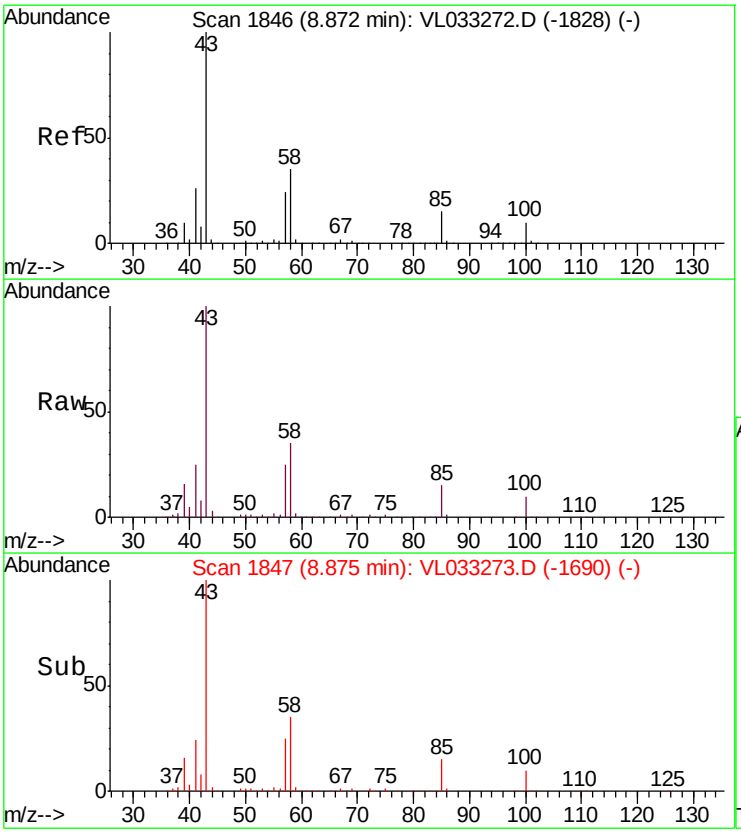
#49
Bromoform
Concen: 1.901 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 221444

Ion	Ratio	Lower	Upper
173	100		
175	47.2	39.0	58.6
171	51.5	41.2	61.8

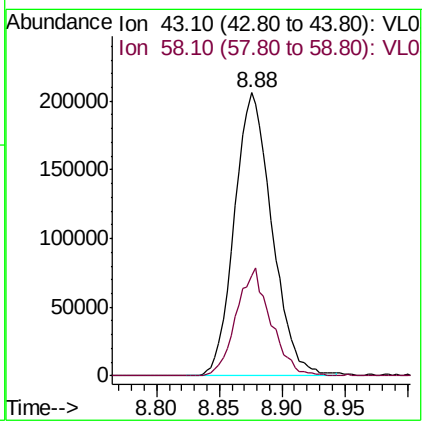


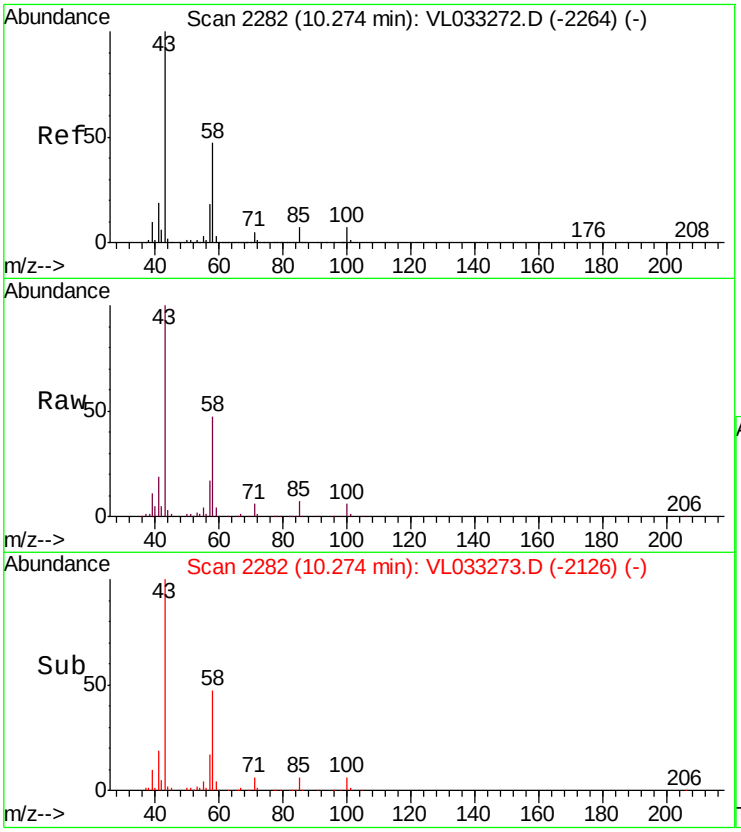


#50
4-Methyl-2-Pentanone
Concen: 2.151 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 43 Resp: 428664

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.0	42.0



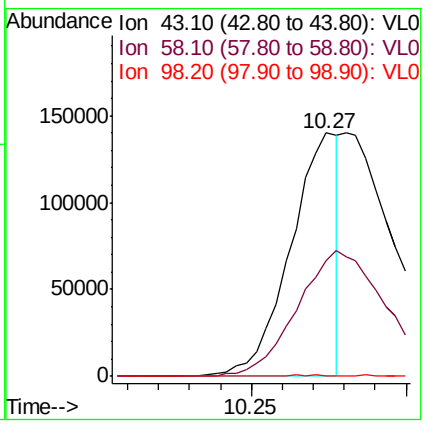


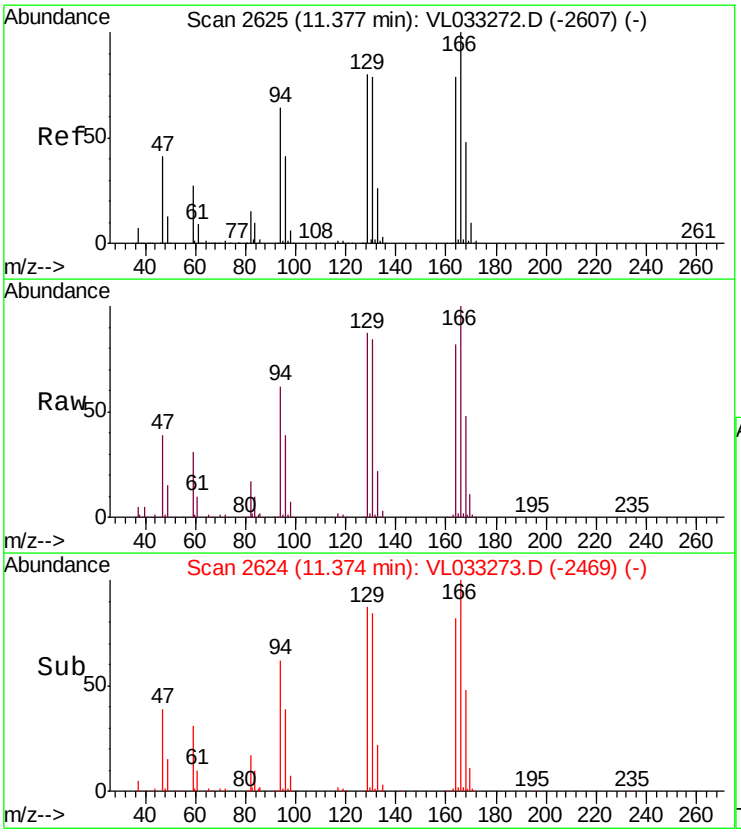
#51
2-Hexanone
Concen: 1.006 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 149421

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.1	57.1#
98	0.4	0.1	0.1#

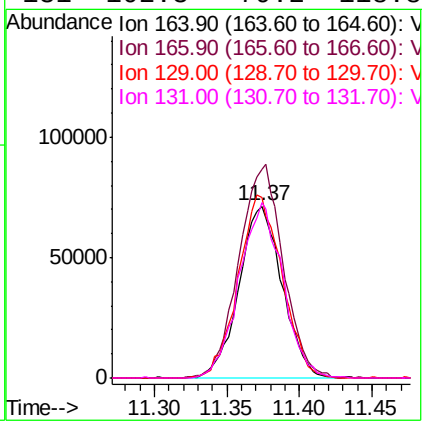


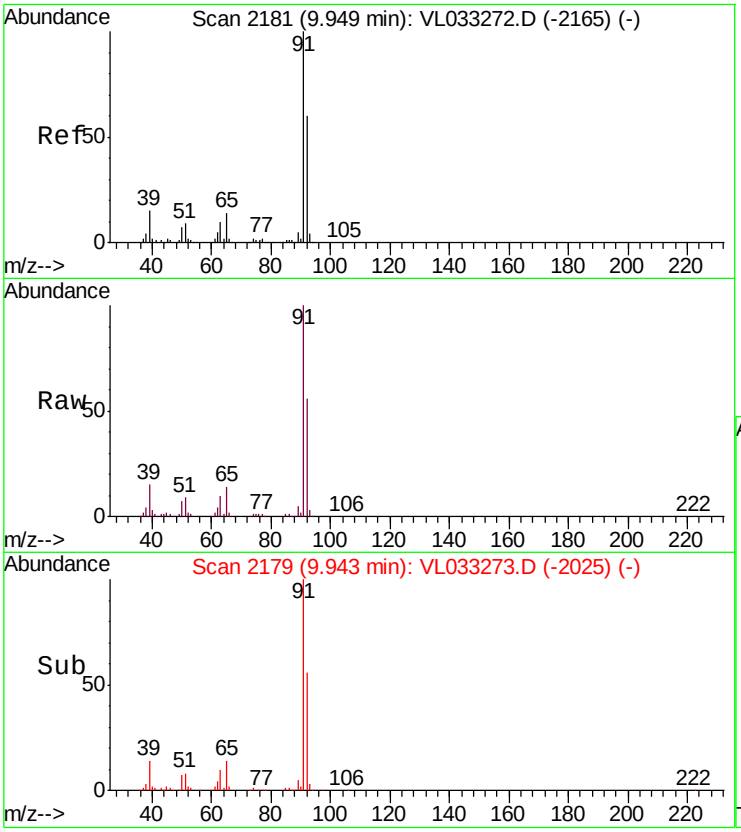


#52
Tetrachloroethene
Concen: 2.096 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:164 Resp: 147743

Ion	Ratio	Lower	Upper
164	100		
166	121.1	100.8	151.2
129	105.3	80.6	121.0
131	102.3	79.2	118.8



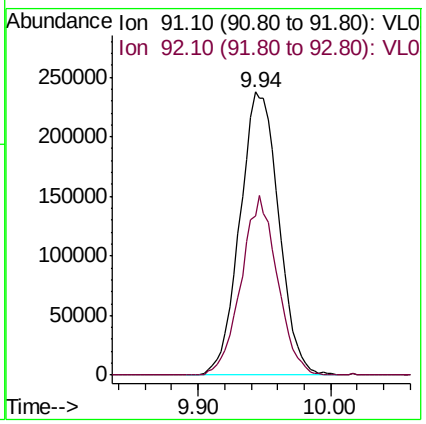


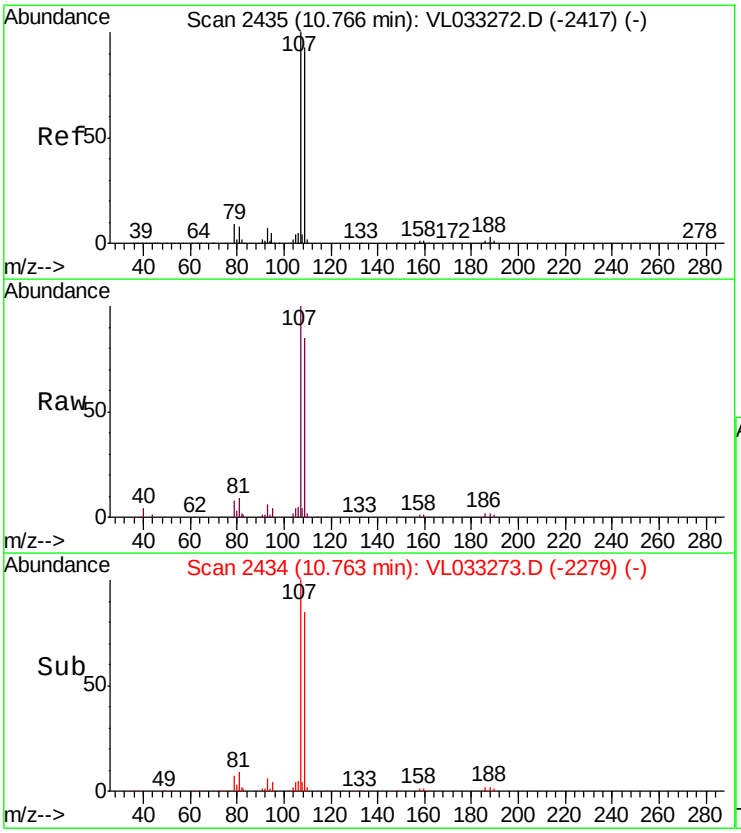
#53
Toluene
Concen: 2.248 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 484299

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.8	71.8

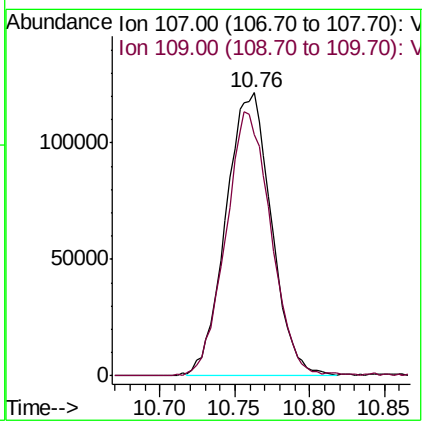


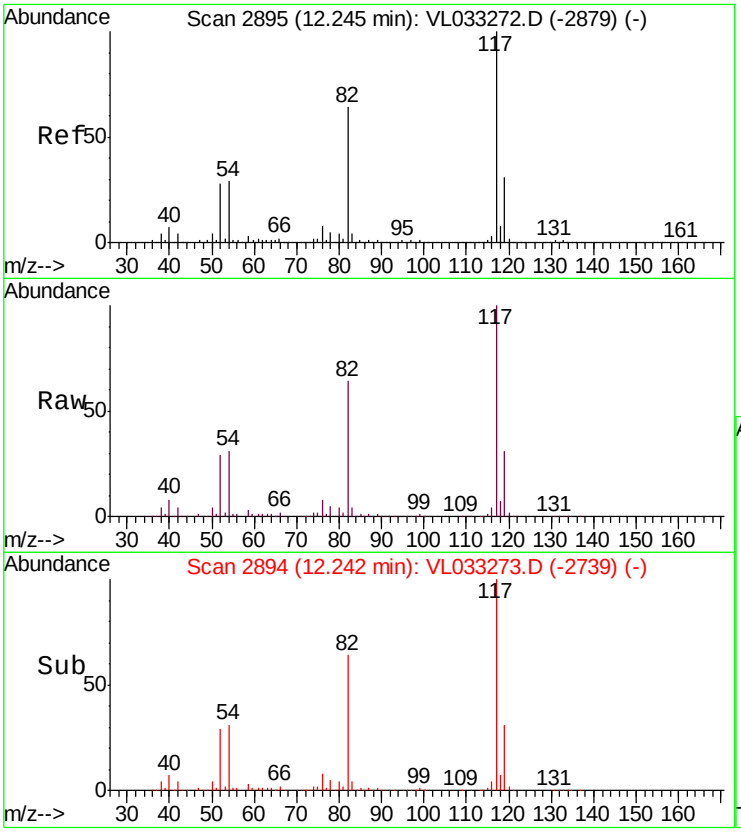


#54
1,2-Dibromoethane
Concen: 2.075 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:107 Resp: 257750

Ion	Ratio	Lower	Upper
107	100		
109	84.4	74.2	111.2



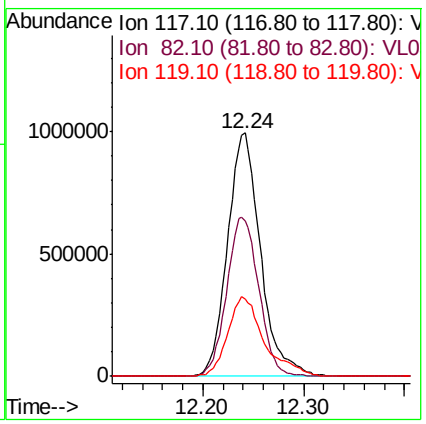


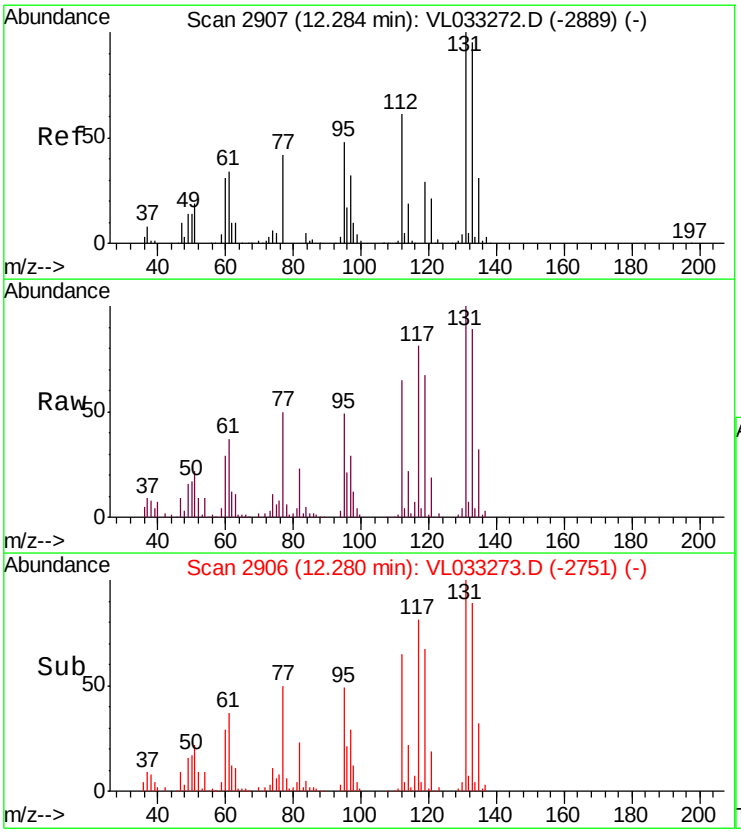
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 2263960

Ion	Ratio	Lower	Upper
117	100		
82	63.8	51.1	76.7
119	36.1	43.6	65.4#

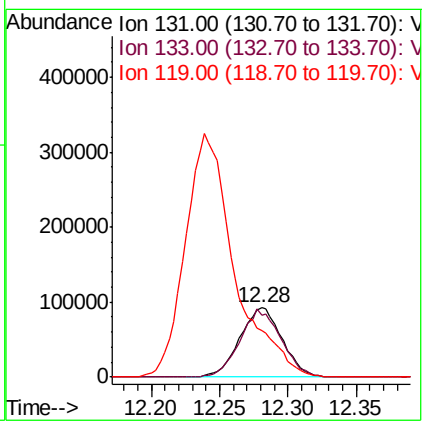


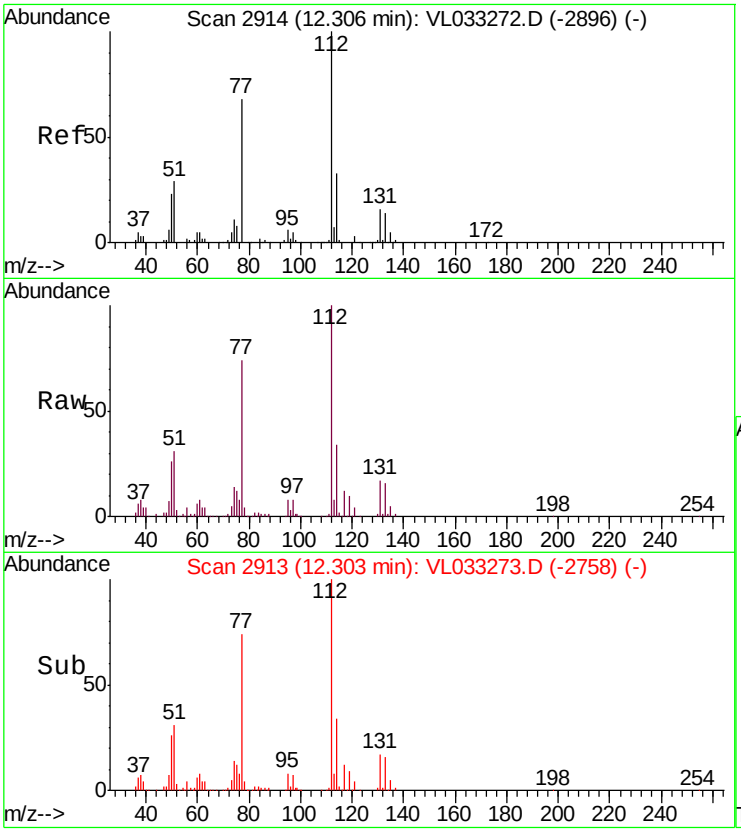


#56
1,1,1,2-Tetrachloroethane
Concen: 2.109 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:131 Resp: 199608

Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.2	114.4
119	409.6	110.3	165.5#



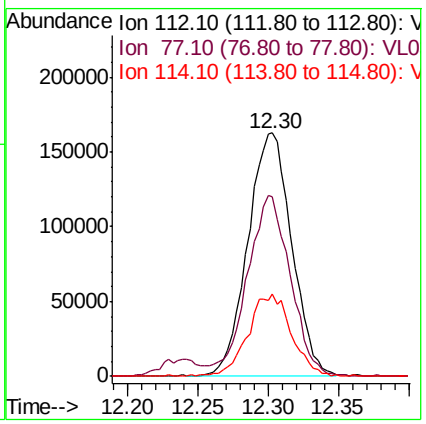


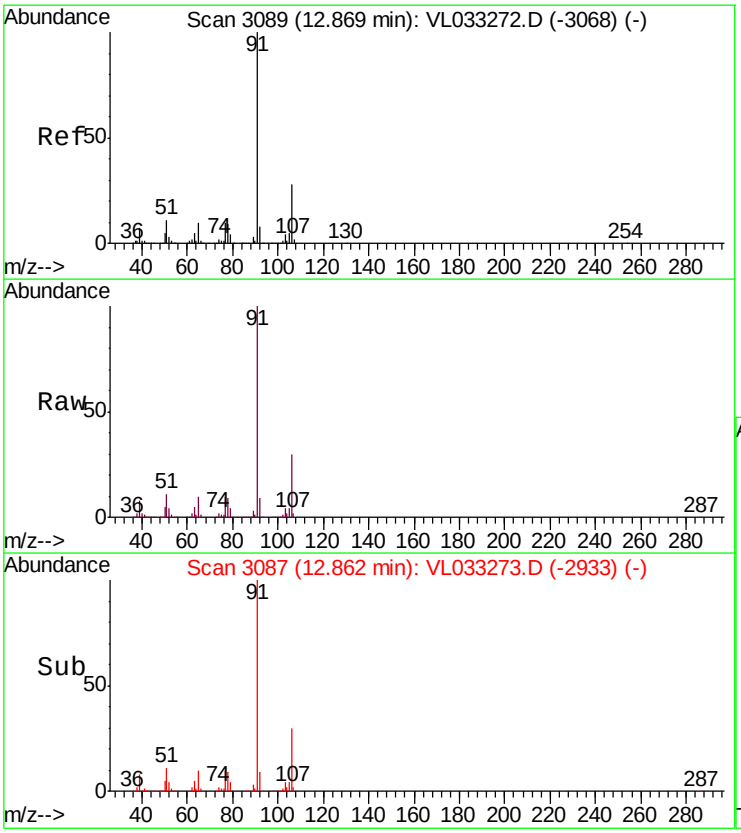
#57
Chlorobenzene
Concen: 2.126 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 354054

Ion	Ratio	Lower	Upper
112	100		
77	73.1	55.8	83.8
114	33.8	29.5	36.1

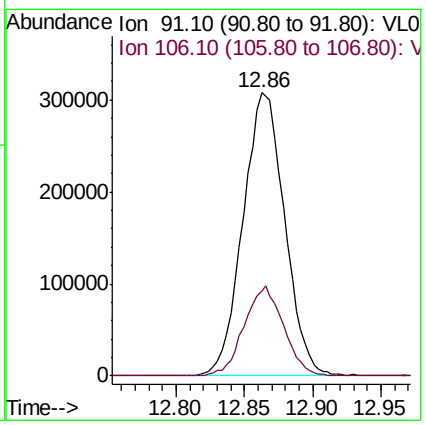


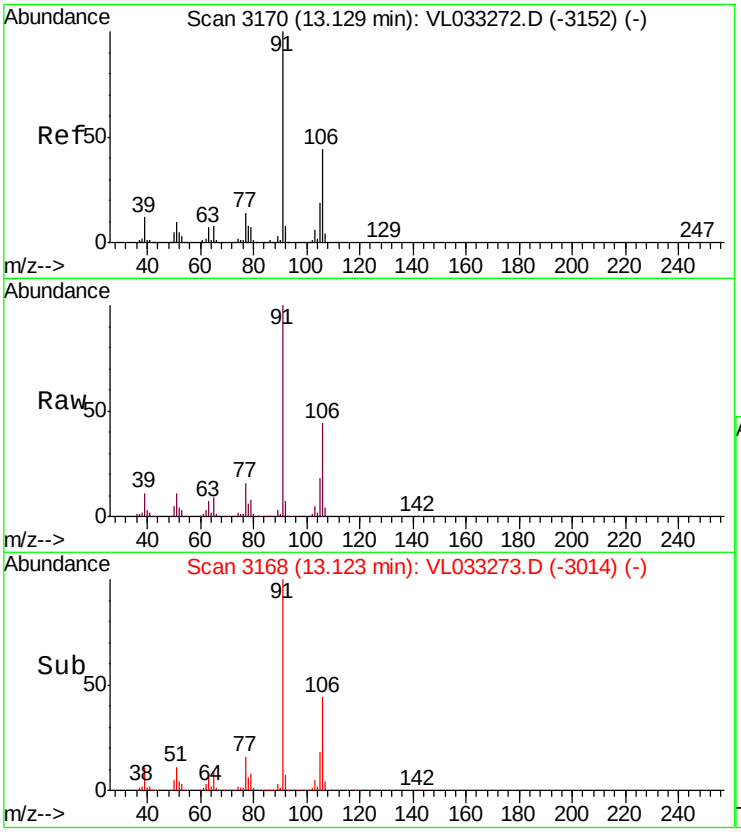


#58
Ethyl Benzene
Concen: 2.126 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 91 Resp: 653079

Ion	Ratio	Lower	Upper
91	100		
106	30.2	22.5	33.7



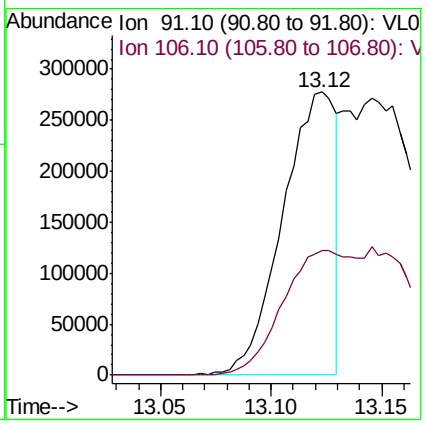


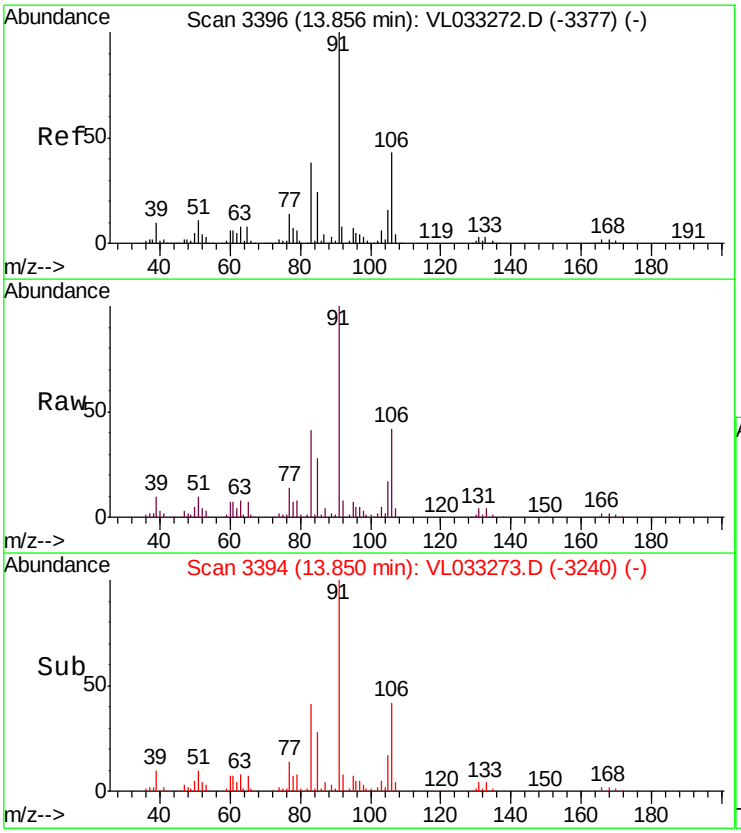
#59
m/p-Xylene
Concen: 1.670 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 463837

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#

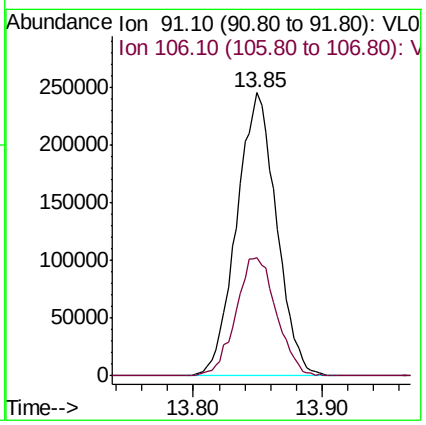


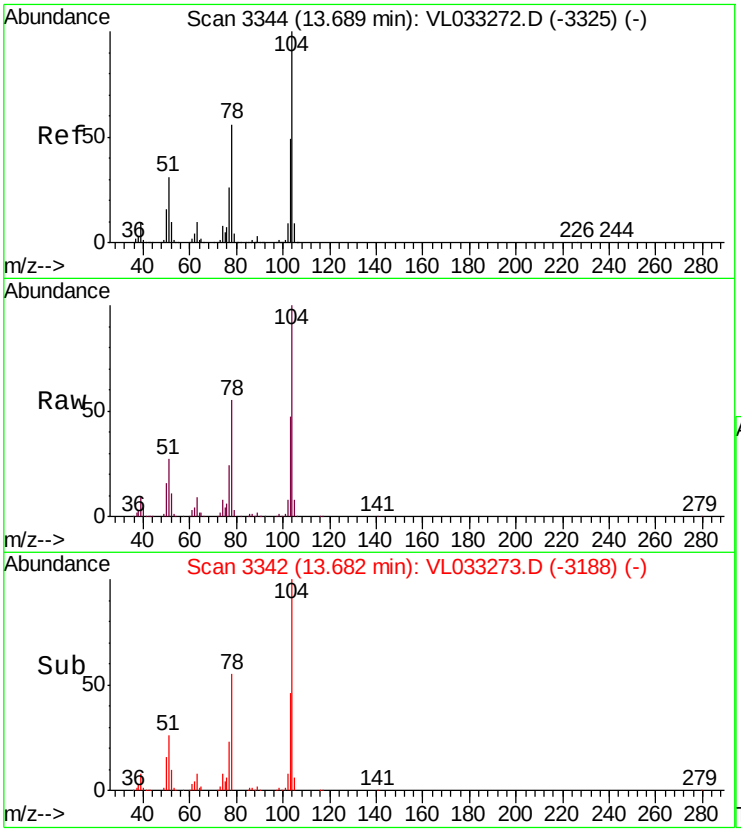


#60
o-Xylene
Concen: 1.962 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 91 Resp: 525784

Ion	Ratio	Lower	Upper
91	100		
106	42.5	21.3	63.7



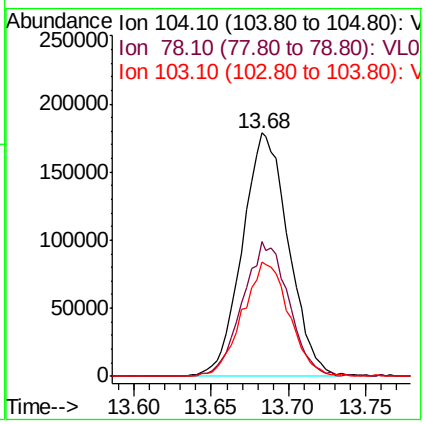


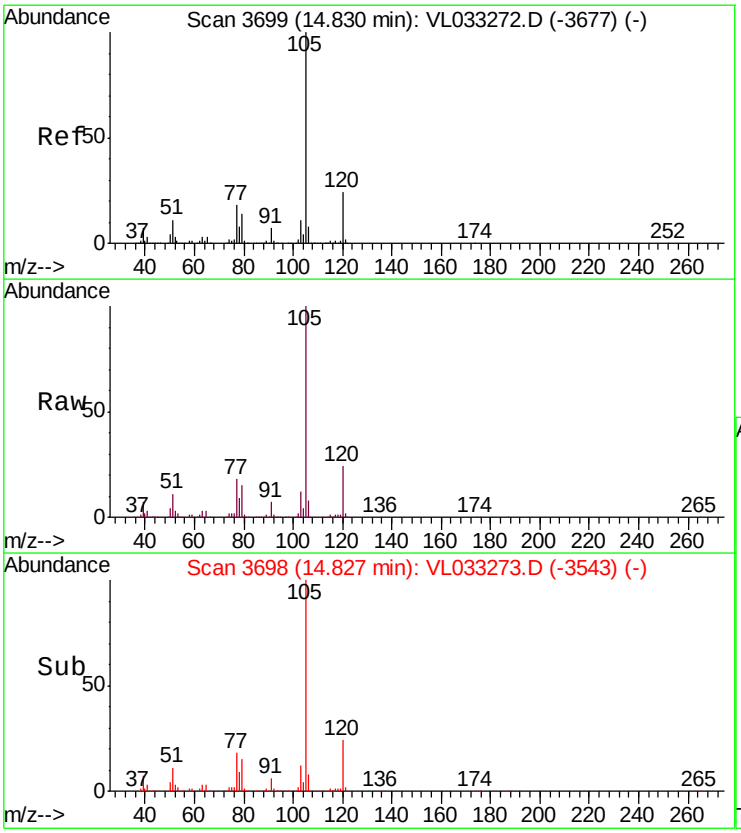
#61
Styrene
Concen: 2.031 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:104 Resp: 371592

Ion	Ratio	Lower	Upper
104	100		
78	54.9	43.3	64.9
103	47.4	38.0	57.0

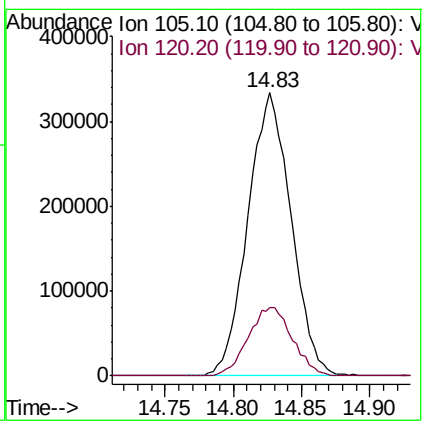


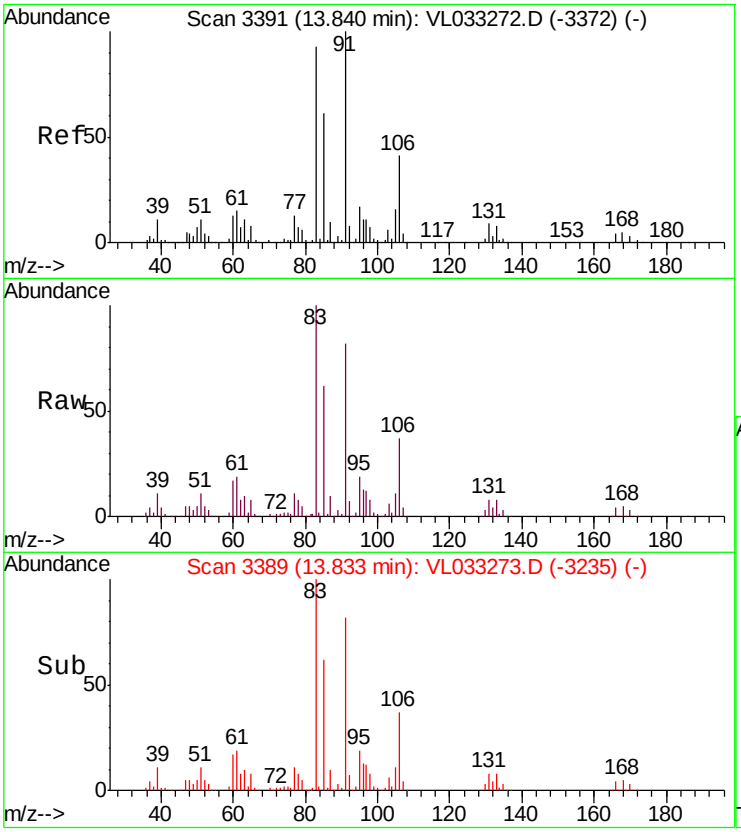


#62
Isopropylbenzene
Concen: 2.052 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:105 Resp: 733999

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.0	30.0



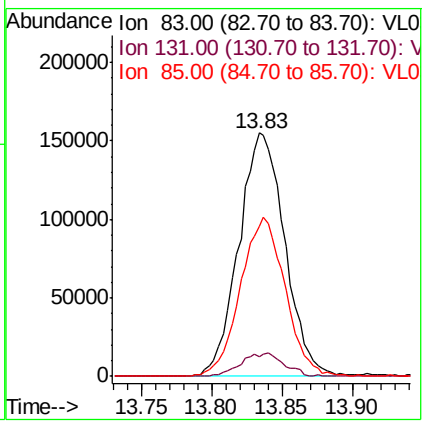


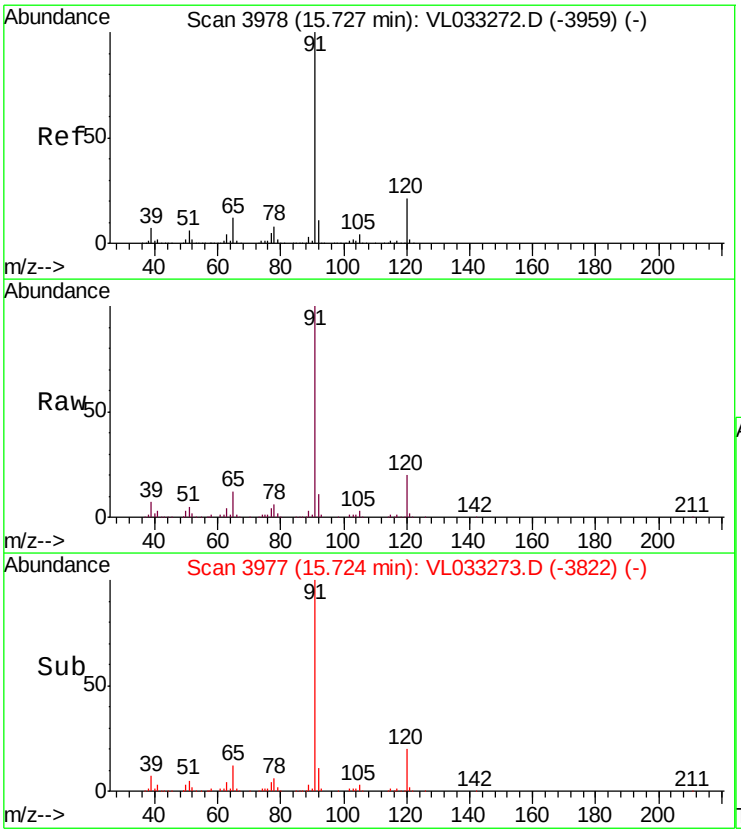
#63
1,1,2,2-Tetrachloroethane
Concen: 2.043 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 352871

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.7
85	64.2	32.2	96.6

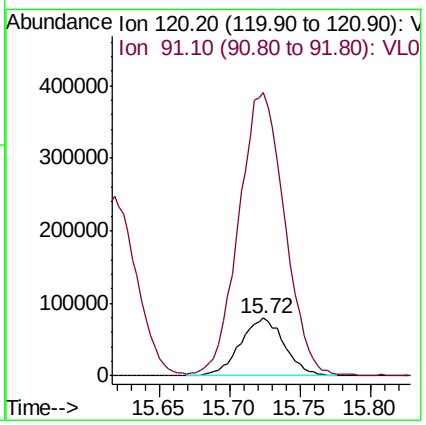


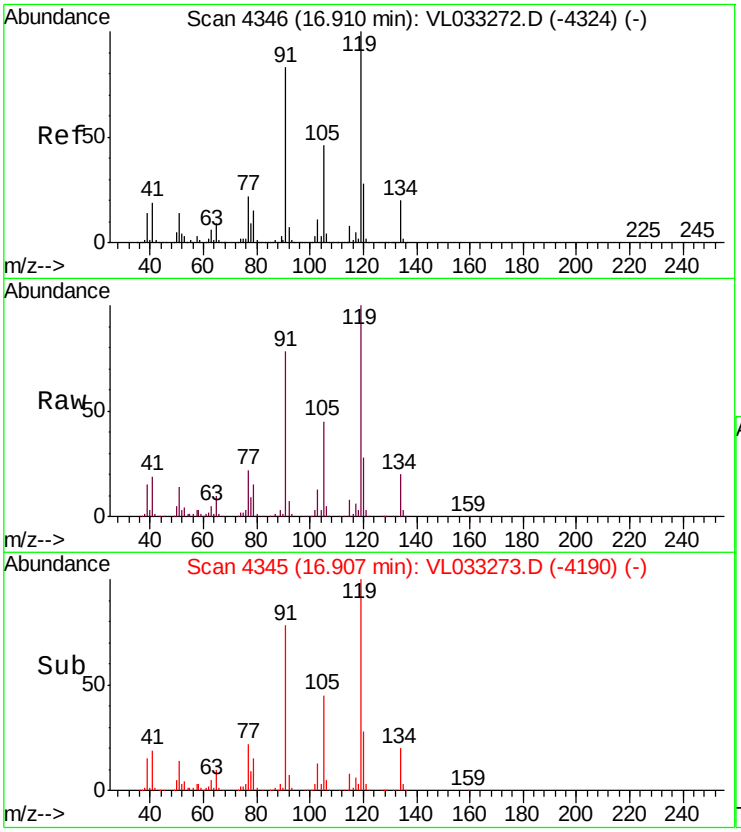


#64
n-propylbenzene
Concen: 1.993 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:120 Resp: 174615

Ion	Ratio	Lower	Upper
120	100		
91	512.1	385.8	578.8



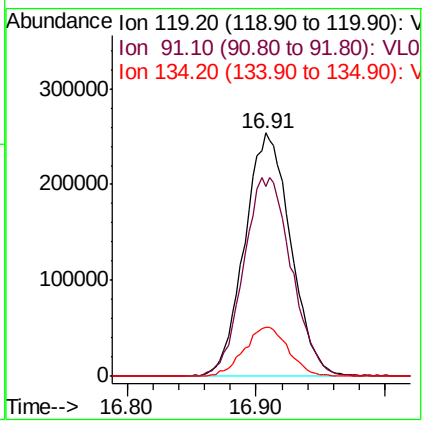


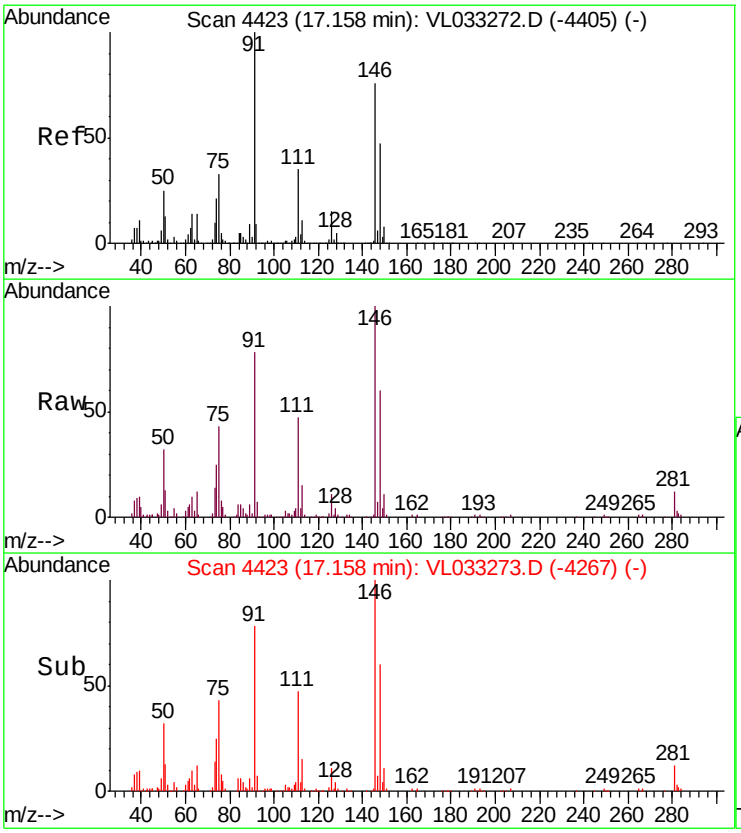
#65
tert-Butylbenzene
Concen: 2.099 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 631933

Ion	Ratio	Lower	Upper
119	100		
91	84.8	67.3	100.9
134	19.5	15.4	23.2

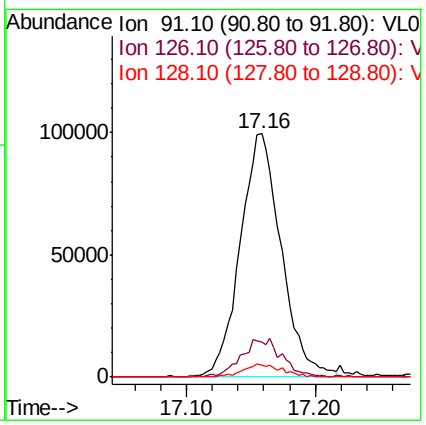


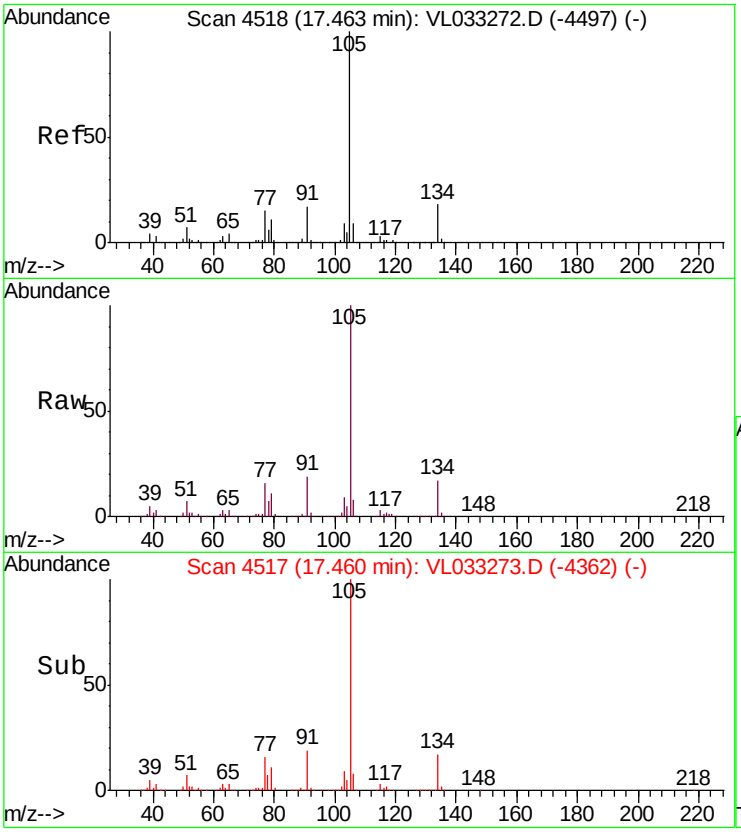


#66
Benzyl Chloride
Concen: 1.952 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 91 Resp: 218988

Ion	Ratio	Lower	Upper
91	100		
126	16.1	13.0	19.6
128	5.0	4.3	6.5



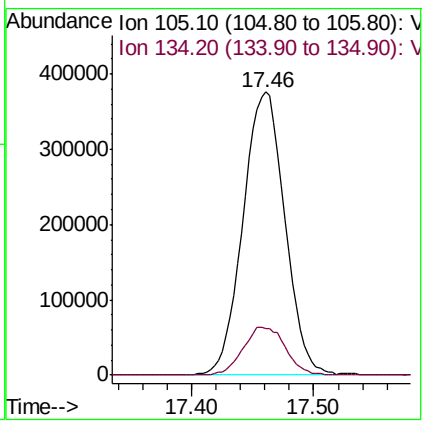


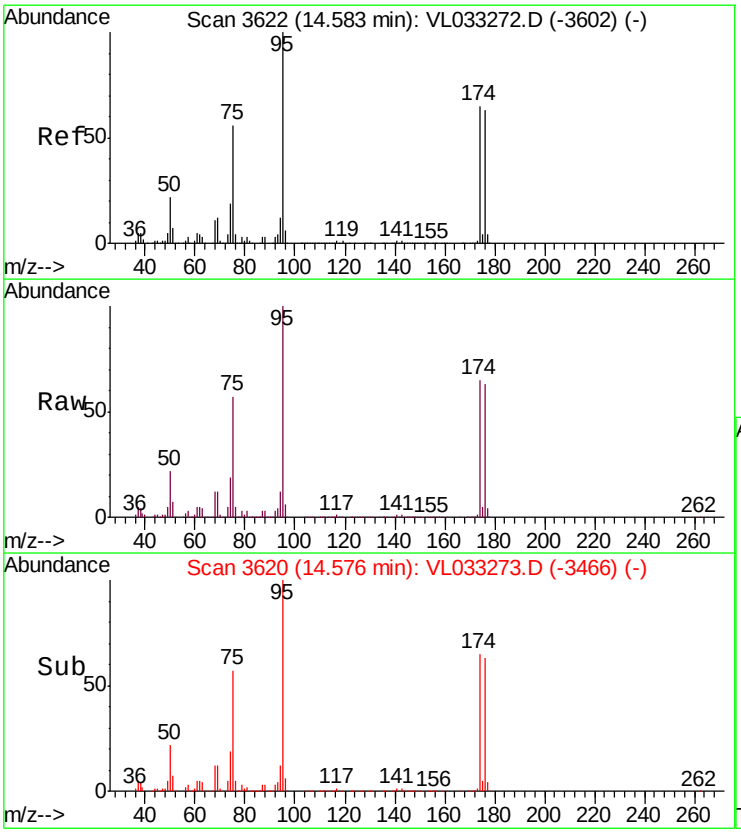
#67
sec-Butylbenzene
Concen: 2.089 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 892493

Ion	Ratio	Lower	Upper
105	100		
134	17.3	14.2	21.2

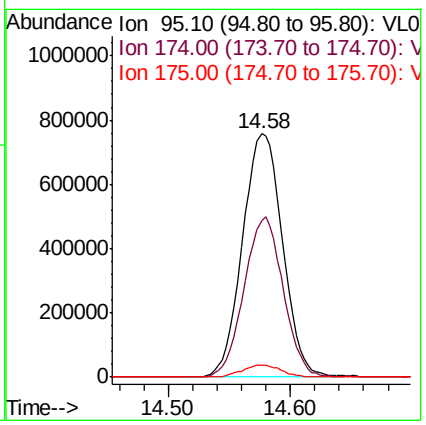


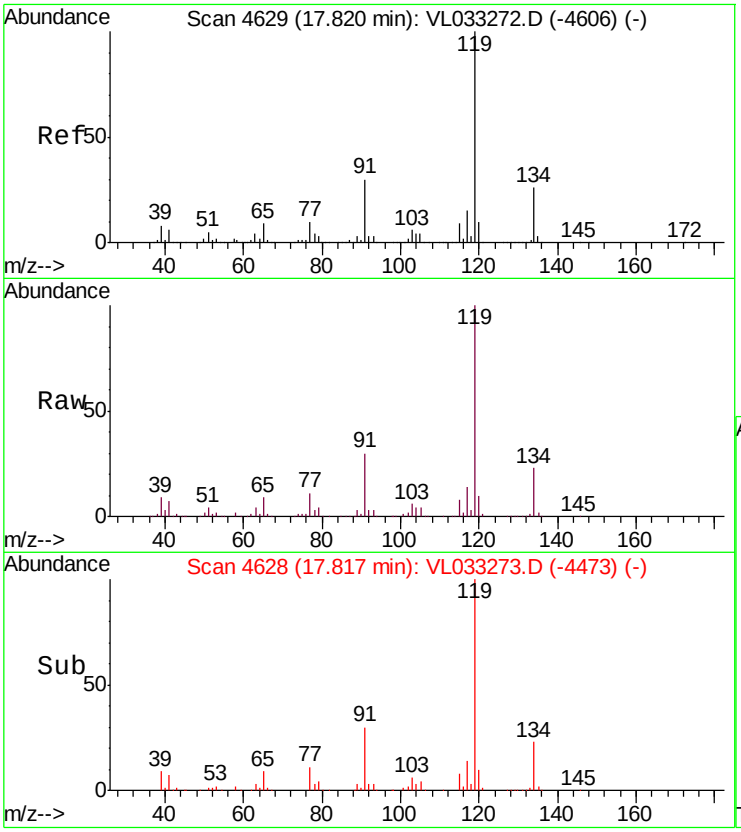


#68
1-Bromo-4-Fluorobenzene
Concen: 9.465 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 95 Resp: 1715002

Ion	Ratio	Lower	Upper
95	100		
174	64.8	51.7	77.5
175	4.8	3.7	5.5



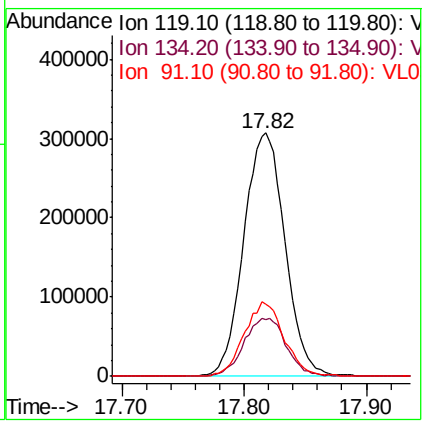


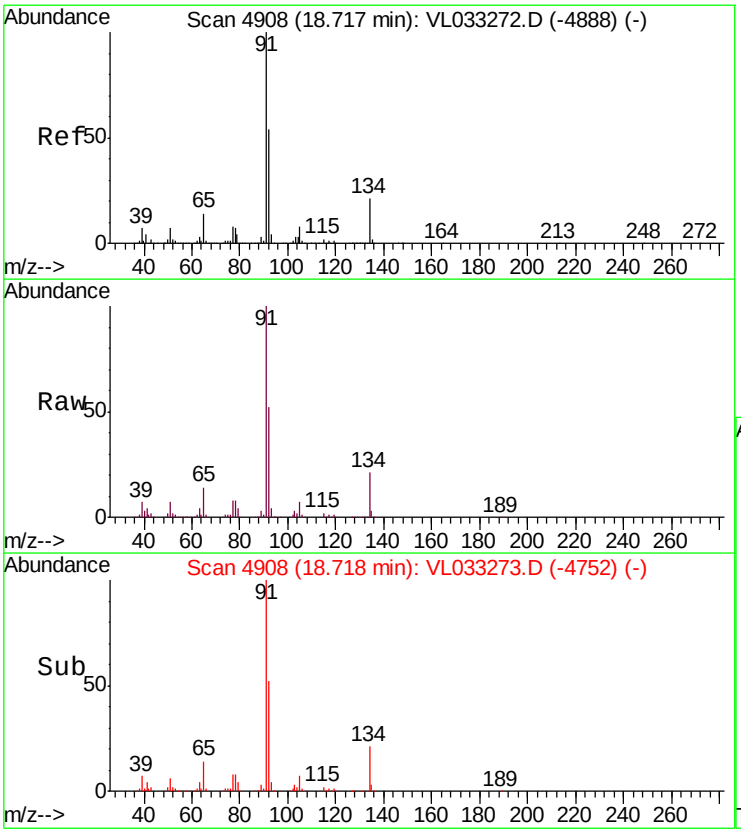
#69
p-Isopropyltoluene
Concen: 2.061 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 715311

Ion	Ratio	Lower	Upper
119	100		
134	24.5	19.7	29.5
91	29.9	23.5	35.3

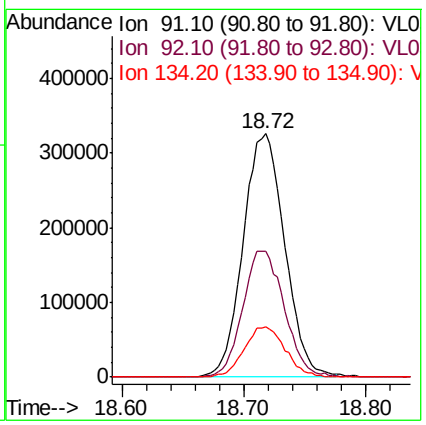


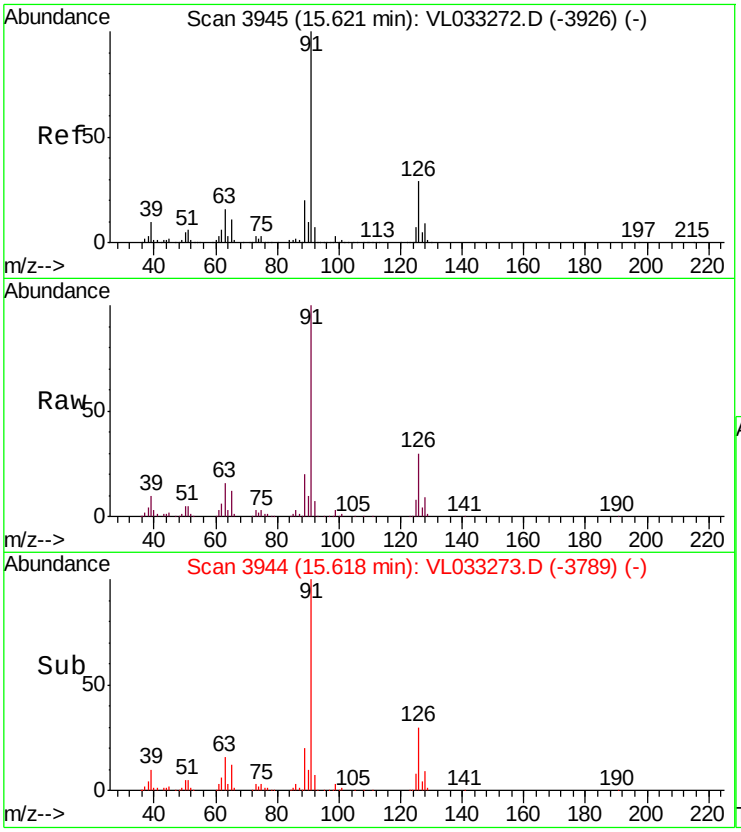


#70
n-Butylbenzene
Concen: 2.040 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion: 91 Resp: 767351

Ion	Ratio	Lower	Upper
91	100		
92	51.8	42.4	63.6
134	20.6	17.1	25.7



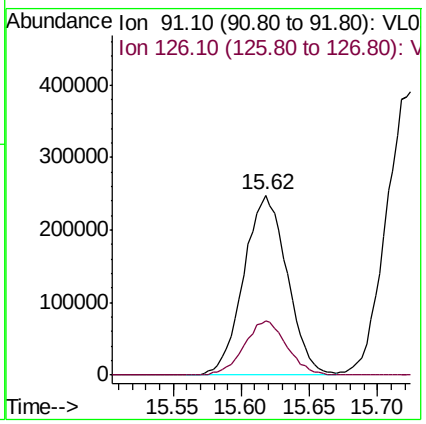


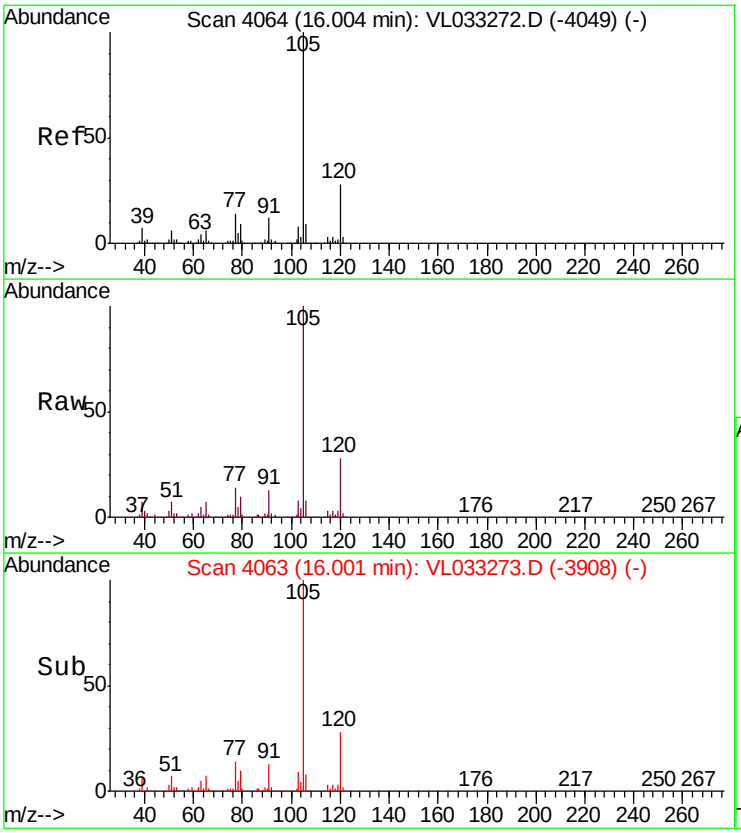
#71
2-Chlorotoluene
Concen: 2.053 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 548761

Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.7	46.7

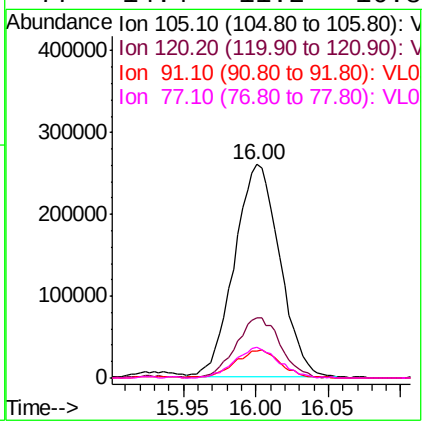


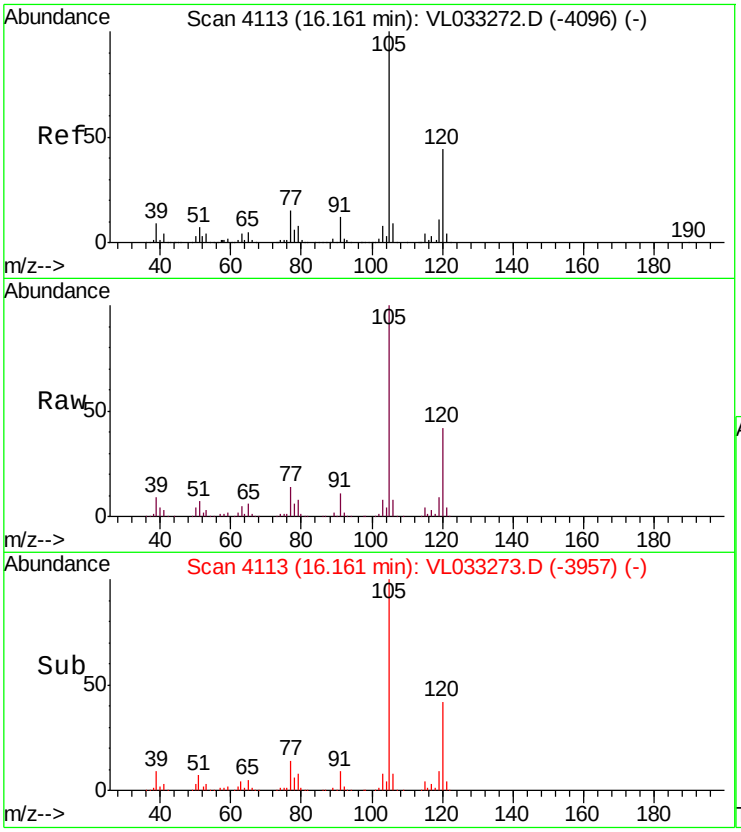


#72
4-Ethyltoluene
Concen: 2.035 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:105 Resp: 566988

Ion	Ratio	Lower	Upper
105	100		
120	28.0	22.9	34.3
91	12.8	10.2	15.2
77	14.4	11.2	16.8



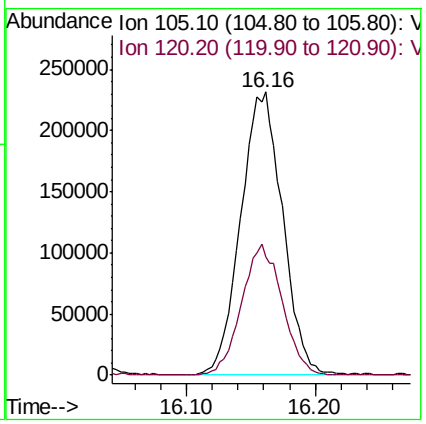


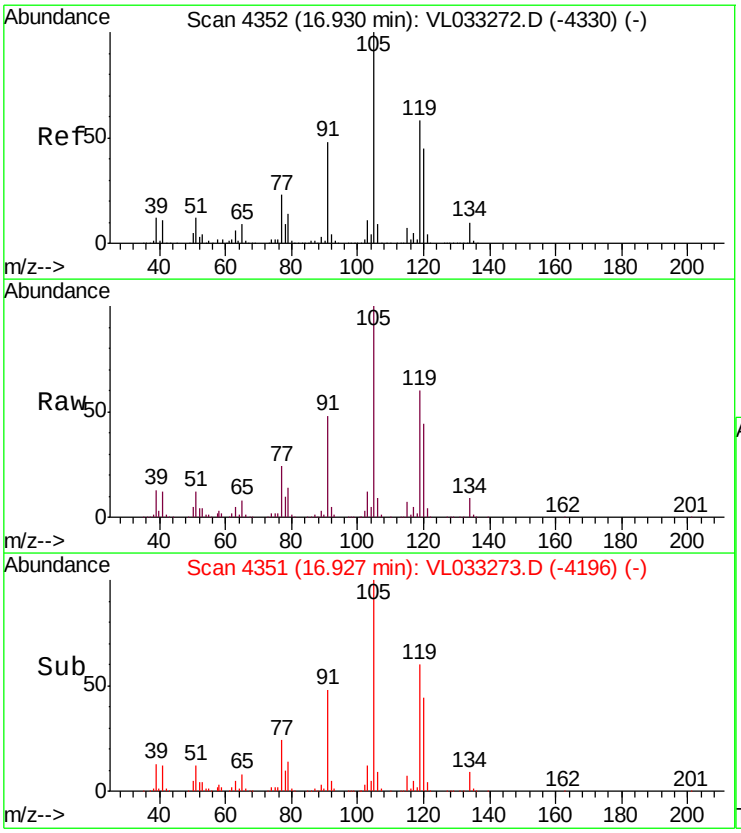
#73
1,3,5-Trimethylbenzene
Concen: 1.974 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 523931

Ion	Ratio	Lower	Upper
105	100		
120	41.7	35.1	52.7

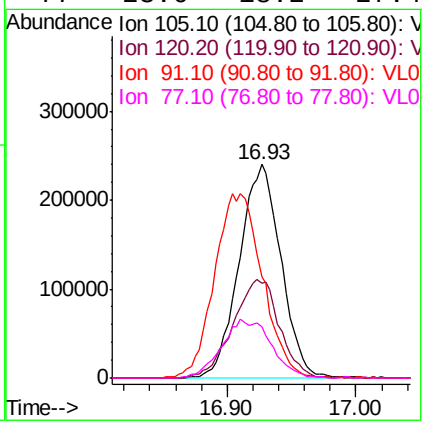


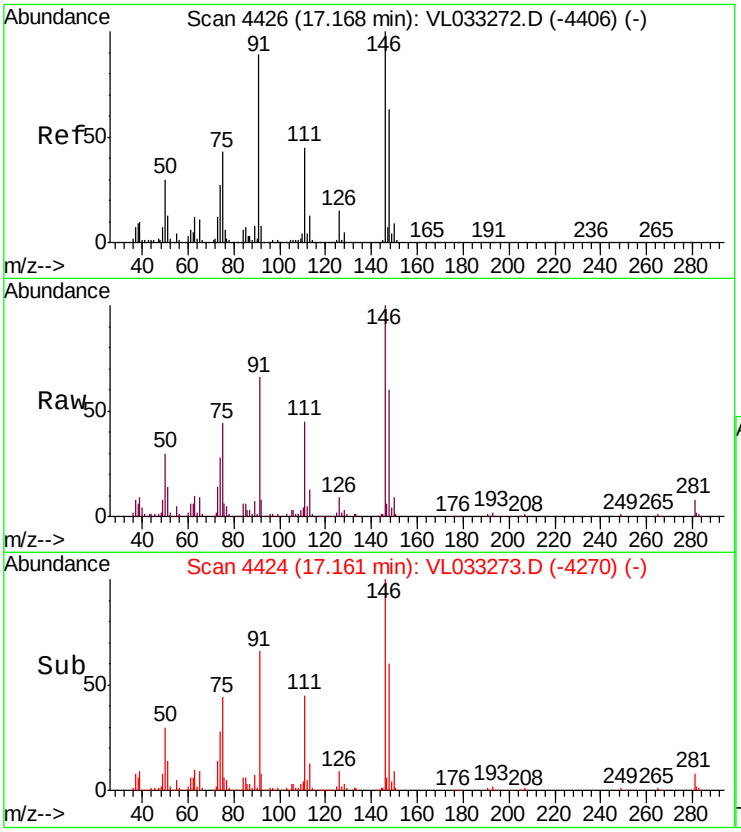


#74
1,2,4-Trimethylbenzene
Concen: 1.952 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:105 Resp: 539828

Ion	Ratio	Lower	Upper
105	100		
120	43.8	36.1	54.1
91	47.3	38.6	58.0
77	23.6	18.2	27.4



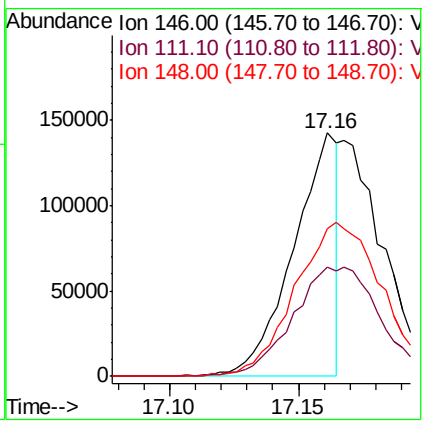


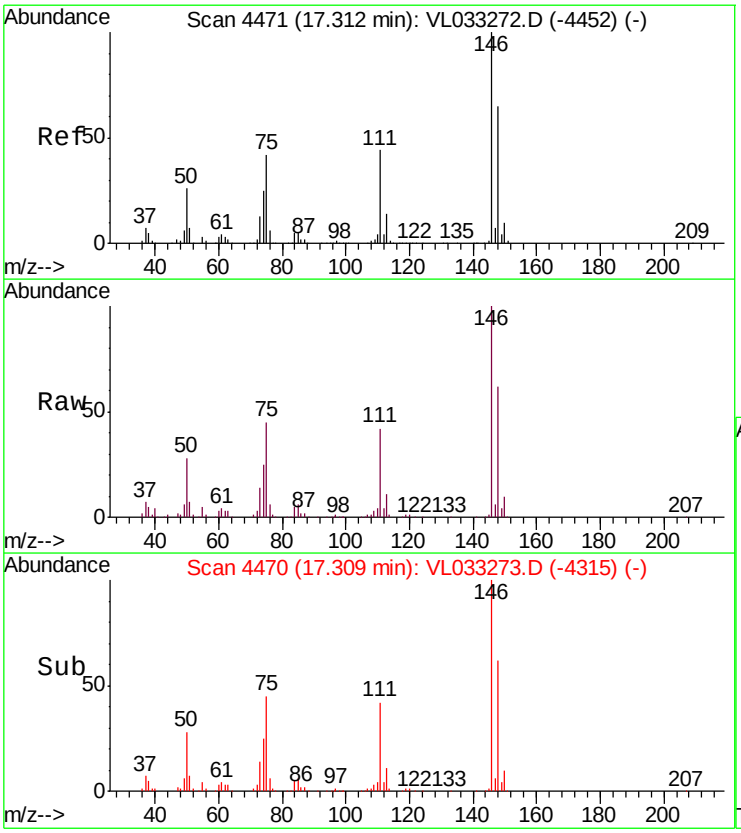
#75
1,3-Dichlorobenzene
Concen: 1.038 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:146 Resp: 169436

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.8	68.4#
148	0.0	31.8	95.3#

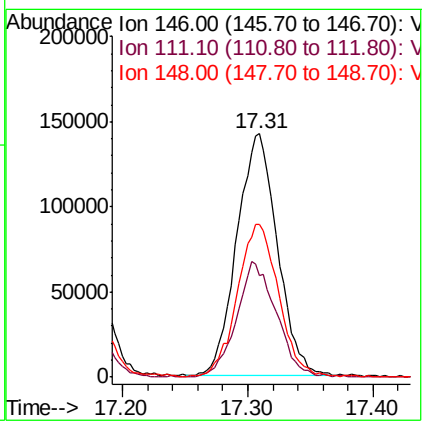


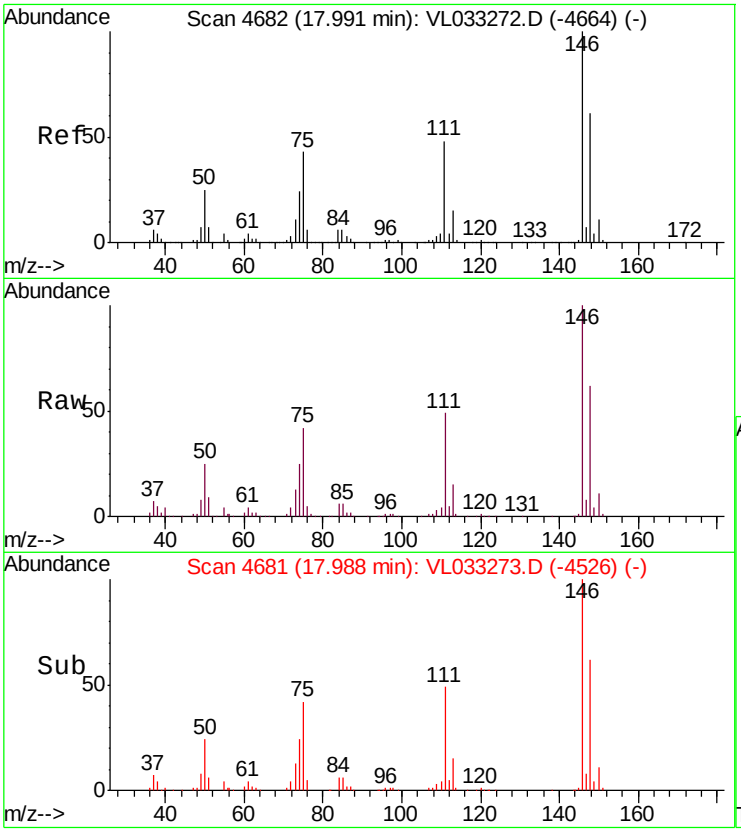


#76
1,4-Dichlorobenzene
Concen: 1.987 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:146 Resp: 318209

Ion	Ratio	Lower	Upper
146	100		
111	47.4	22.1	66.1
148	65.1	31.8	95.3



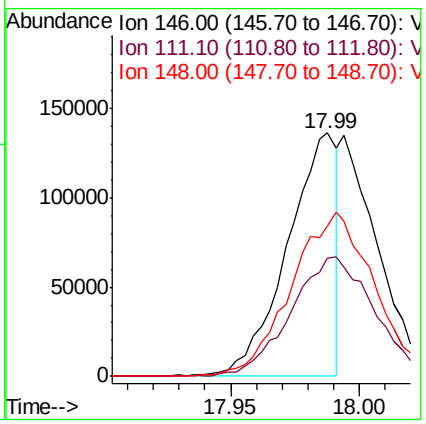


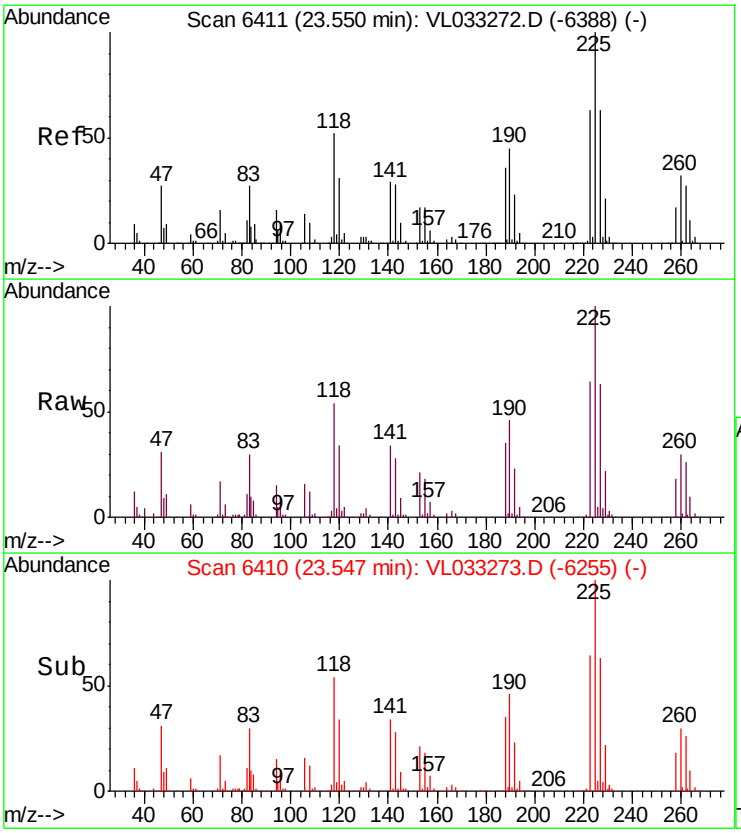
#77
1,2-Dichlorobenzene
Concen: 1.147 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 180691

Ion	Ratio	Lower	Upper
146	100		
111	84.4	23.5	70.5#
148	115.1	31.7	95.1#

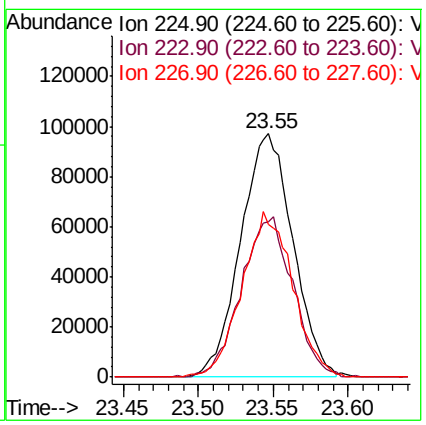


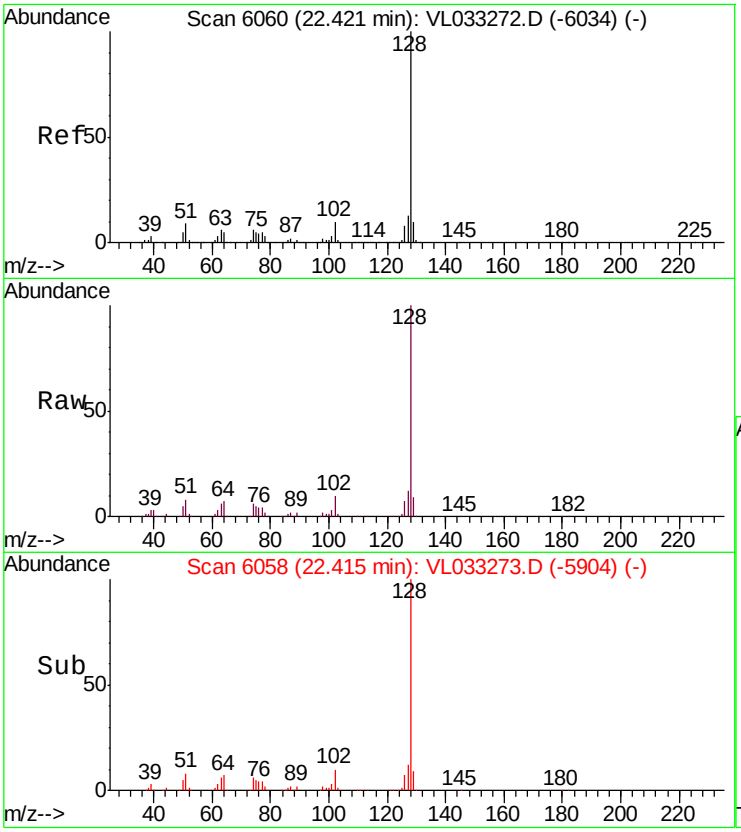


#78
Hexachloro-1,3-Butadiene
Concen: 1.980 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:225 Resp: 236487

Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.3	75.5
227	65.6	51.1	76.7



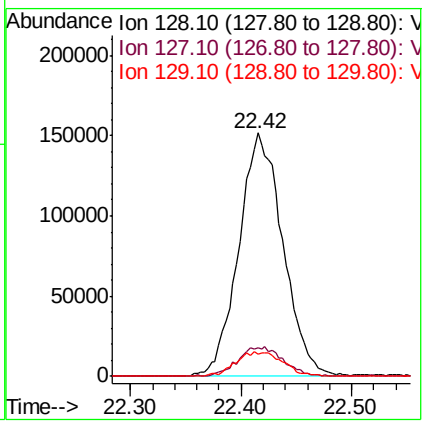


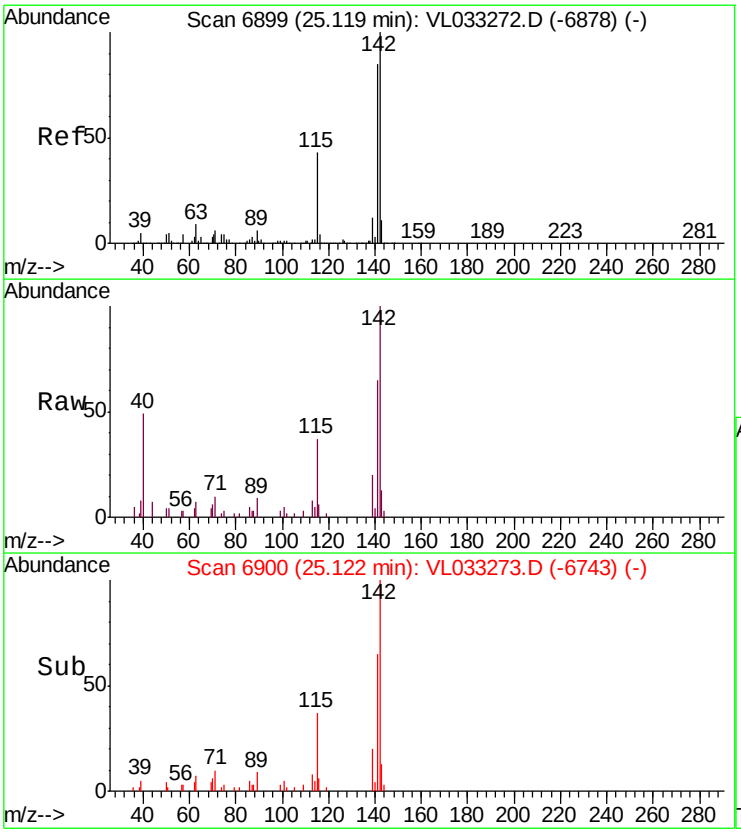
#79
Naphthalene
Concen: 1.389 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 419679

Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.5	15.7
129	9.3	8.4	12.6

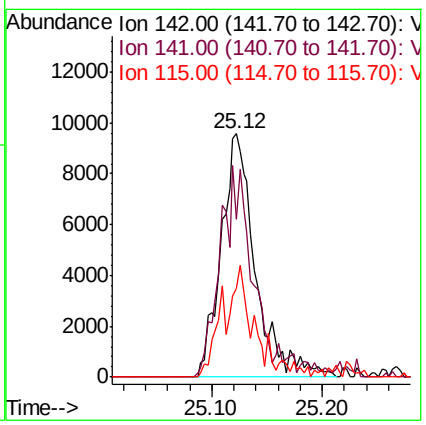


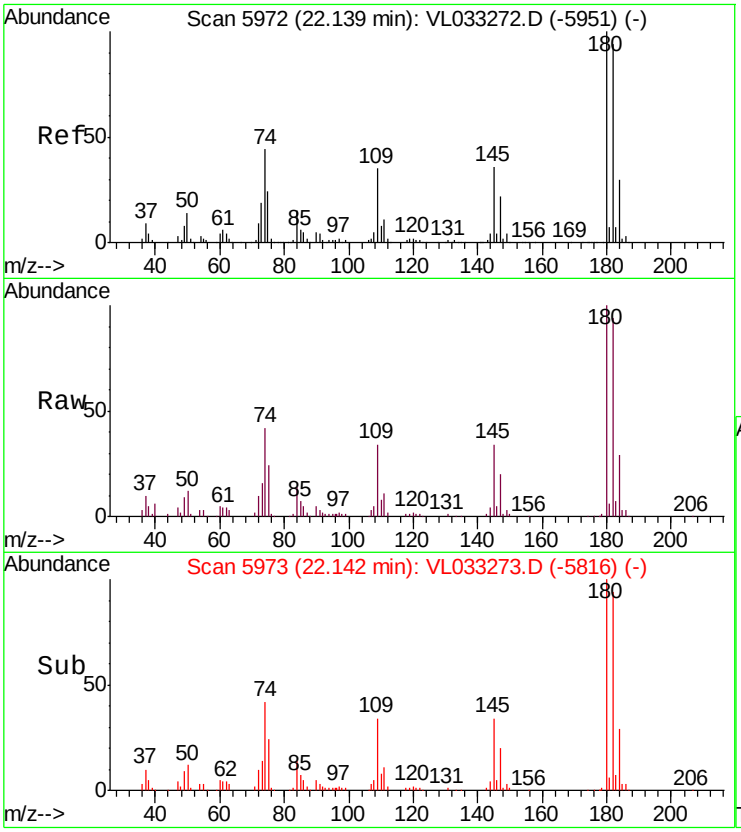


#80
Naphthalene,2-methyl-
Concen: 0.282 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Tgt Ion:142 Resp: 20587

Ion	Ratio	Lower	Upper
142	100		
141	80.9	68.0	102.0
115	42.8	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 1.573 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. 0.00 min
Lab File: VL033273.D
Acq: 12 Mar 2019 2:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 245575

Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.6	114.8
184	30.0	24.2	36.4