Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033656.D
Acq On : 6 May 2019 12:17
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 06 13:58:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 12:00:34 2019
QLast Update : Mon May 06 12:00:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1017816	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2492876	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2479289	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2005092	10.13	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	271280	1.598	ppbv	99
3) Chlorodifluoromethane	3.01	51	164669	1.342	ppbv	93
4) Chloromethane	3.17	50	81158	1.201	ppbv	98
5) Vinyl Chloride	3.29	62	77167	1.097	ppbv	94
6) Bromomethane	3.52	94	50029	1.197	ppbv	98
7) Chloroethane	3.60	64	28953	1.232	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	212233	1.240	ppbv	99
9) Propene	3.04	41	58192	1.362	ppbv	100
10) Heptane	8.24	43	138371	1.064	ppbv	99
11) Trichlorofluoromethane	4.00	101	244472	1.294	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	164075	1.265	ppbv	97
13) Ethanol	3.65	45	19060	1.208	ppbv	93
14) Bromoethene	3.79	108	61853	1.177	ppbv	99
15) Acetone	3.90	43	165753	1.294	ppbv	97
16) 1,3-Butadiene	3.36	39	67418	1.182	ppbv	100
17) tert-Butyl alcohol	4.37	59	127714	1.185	ppbv	96
18) 1,1-Dichloroethene	4.35	96	66966	1.189	ppbv	95
19) Isopropyl Alcohol	4.03	45	105308	1.231	ppbv #	93
20) Methylene Chloride	4.41	84	63587	1.269	ppbv	94
21) Allyl Chloride	4.47	41	94434	1.177	ppbv	97
22) trans-1,2-Dichloroethene	4.96	96	65122	1.172	ppbv	96
23) Vinyl Acetate	5.15	43	204716	1.103	ppbv	98
24) 1,1-Dichloroethane	5.08	63	159342	1.147	ppbv	99
25) Ethyl Acetate	5.77	43	257921	1.089	ppbv	100
26) Hexane	5.78	57	109169	1.089	ppbv	92
27) Carbon Disulfide	4.62	76	140364	1.127	ppbv #	92
28) Methyl tert-Butyl Ether	5.12	73	182972	1.086	ppbv	99
29) Chloroform	5.84	83	199244	1.087	ppbv	92
30) Cyclohexane	7.24	84	82122	0.966	ppbv	94
31) cis-1,2-Dichloroethene	5.63	61	105676	1.046	ppbv #	84
32) 1,1,1-Trichloroethane	6.62	97	201965	1.051	ppbv	98
34) 2-Butanone	5.33	43	169295	1.098	ppbv	96
35) Carbon Tetrachloride	7.13	117	214592	1.073	ppbv	95
36) Benzene	7.00	78	103069	0.477	ppbv	96
37) 1,2-Dichloroethane	6.41	62	153977	1.075	ppbv	100
38) Trichloroethene	7.96	130	89615	1.045	ppbv	93
39) 1,2-Dichloropropane	7.73	63	85212	1.053	ppbv	93
40) 1,4-Dioxane	7.97	88	16113	0.496	ppbv #	1
41) Tetrahydrofuran	6.16	42	80627	0.974	ppbv	99
42) Bromodichloromethane	7.91	83	206902	1.066	ppbv	93
43) Methyl Methacrylate	8.14	69	83320	1.024	ppbv	96

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033656.D
Acq On : 6 May 2019 12:17
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 06 13:58:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 12:00:34 2019
QLast Update : Mon May 06 12:00:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	401777	1.071	ppbv		97
45) t-1,3-Dichloropropene	9.41	75	86269	0.821	ppbv		100
46) cis-1,3-Dichloropropene	8.83	75	111301	0.916	ppbv		92
47) 1,1,2-Trichloroethane	9.61	97	100234	1.048	ppbv		95
48) Dibromochloromethane	10.45	129	156600	0.975	ppbv		100
49) Bromoform	13.19	173	131916	0.957	ppbv		98
50) 4-Methyl-2-Pentanone	8.88	43	247245	1.022	ppbv		97
51) 2-Hexanone	10.28	43	180323	0.950	ppbv	#	96
52) Tetrachloroethene	11.37	164	84389	1.032	ppbv		94
53) Toluene	9.94	91	242614	0.996	ppbv		97
54) 1,2-Dibromoethane	10.75	107	144979	1.014	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.28	131	122915	1.132	ppbv	#	1
57) Chlorobenzene	12.30	112	219984	1.137	ppbv		97
58) Ethyl Benzene	12.86	91	328638	1.056	ppbv		98
59) m/p-Xylene	13.15	91	195446	0.729	ppbv	#	1
60) o-Xylene	13.84	91	305270	1.131	ppbv		95
61) Styrene	13.68	104	186611	1.008	ppbv		98
62) Isopropylbenzene	14.82	105	402281	1.119	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.83	83	231131	1.132	ppbv		98
64) n-propylbenzene	15.72	120	102224	1.093	ppbv		86
65) tert-Butylbenzene	16.90	119	372643	1.107	ppbv		97
66) Benzyl Chloride	17.15	91	138371	0.891	ppbv		99
67) sec-Butylbenzene	17.45	105	530150	1.123	ppbv		98
69) p-Isopropyltoluene	17.81	119	425356	1.083	ppbv		98
70) n-Butylbenzene	18.71	91	459686	1.074	ppbv		98
71) 2-Chlorotoluene	15.61	91	288889	1.070	ppbv		99
72) 4-Ethyltoluene	16.00	105	335362	1.086	ppbv		98
73) 1,3,5-Trimethylbenzene	16.15	105	329771	1.090	ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	385233	1.148	ppbv		94
75) 1,3-Dichlorobenzene	17.16	146	236385	1.135	ppbv		97
76) 1,4-Dichlorobenzene	17.30	146	218890	1.102	ppbv		100
77) 1,2-Dichlorobenzene	17.98	146	212531	1.096	ppbv		98
78) Hexachloro-1,3-Butadiene	23.54	225	163893	1.108	ppbv		97
79) Naphthalene	22.41	128	318476	1.017	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	94559	0.711	ppbv		96
81) 1,2,4-Trichlorobenzene	22.13	180	193216	1.070	ppbv		99

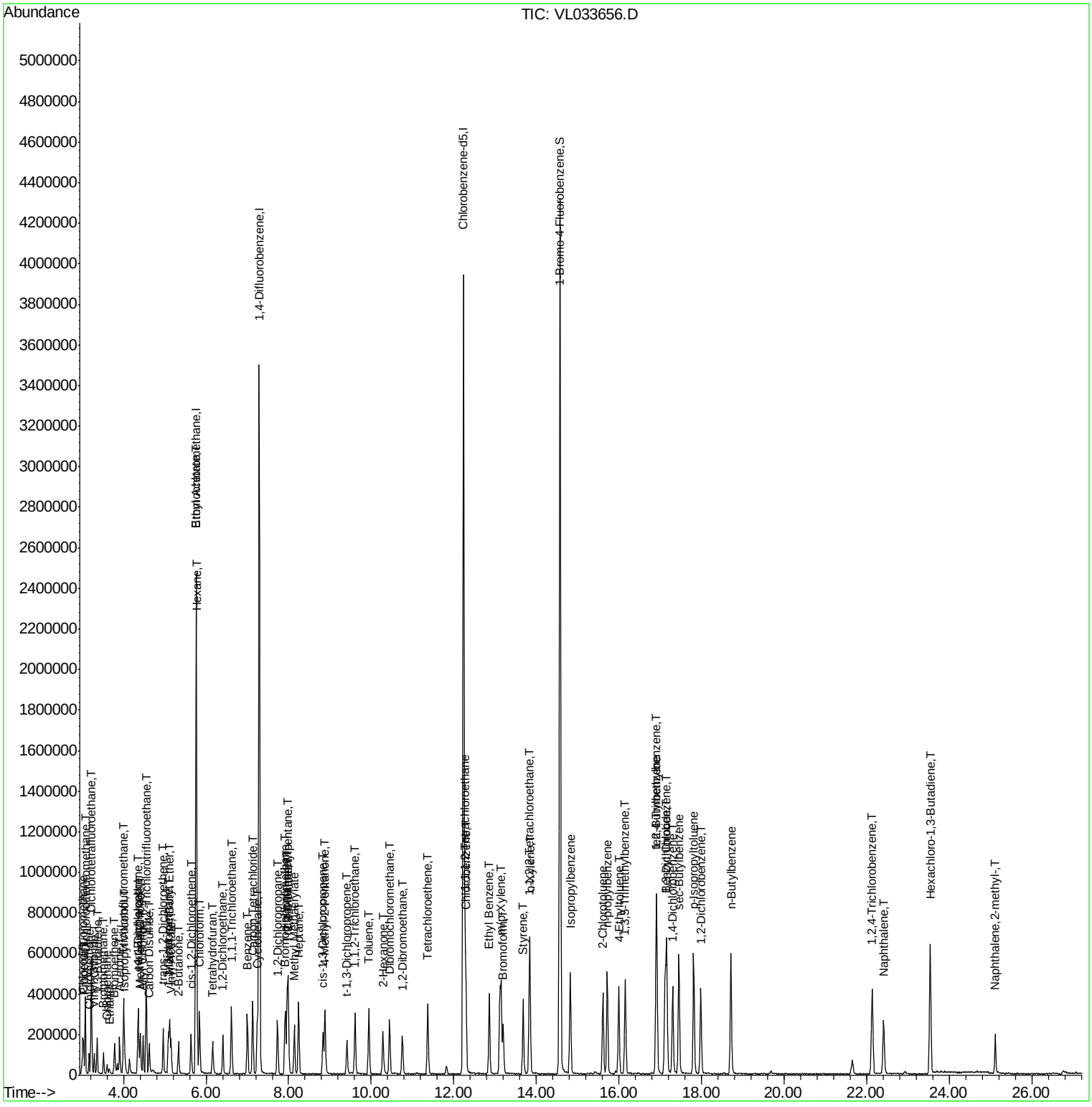
(#) = qualifier out of range (m) = manual integration (+) = signals summed

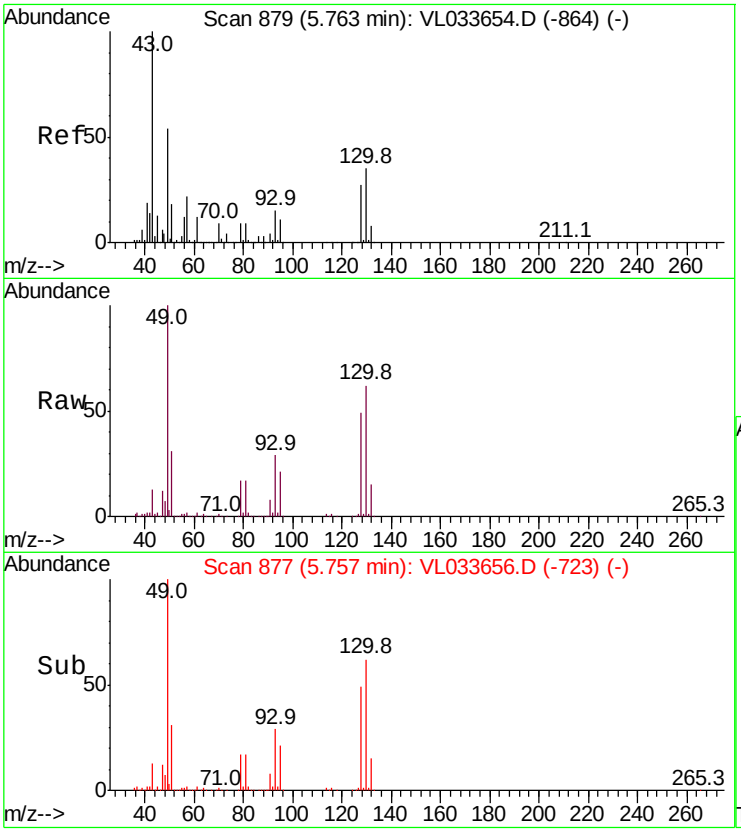
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033656.D
Acq On : 6 May 2019 12:17
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 06 13:58:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 12:00:34 2019
QLast Update : Mon May 06 12:00:34 2019
Response via : Initial Calibration



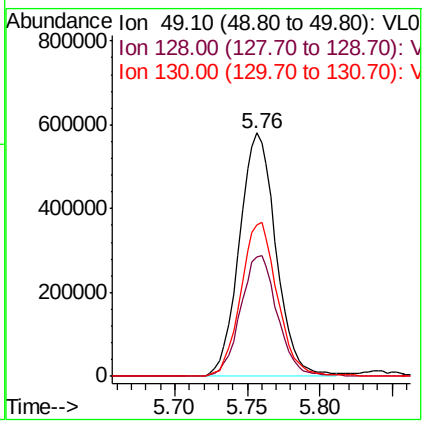


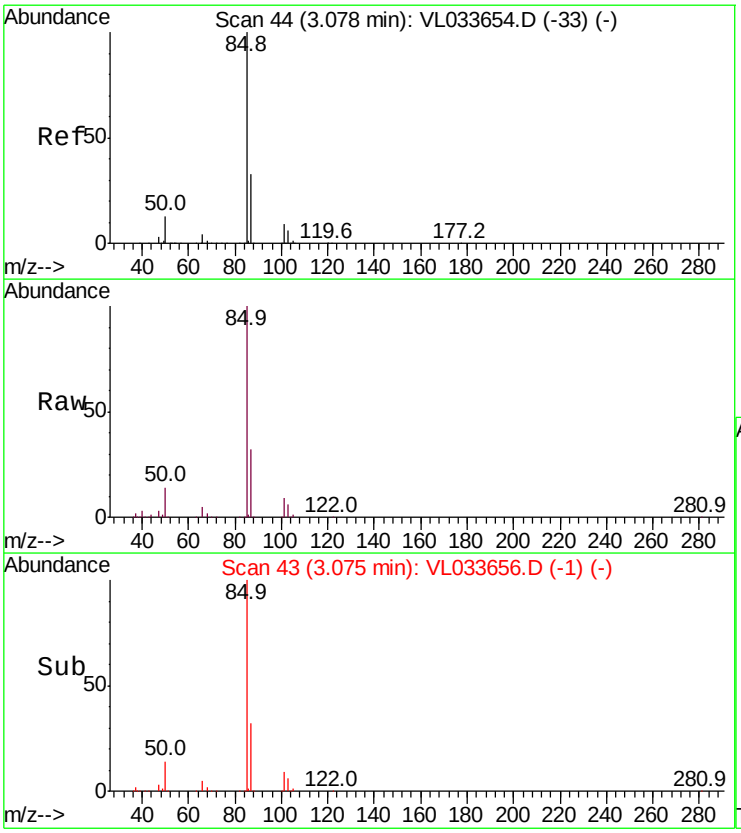
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1017816

Ion	Ratio	Lower	Upper
49	100		
128	50.1	24.8	74.4
130	63.7	32.1	96.5

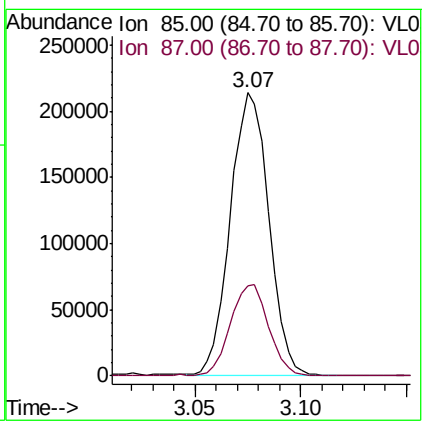


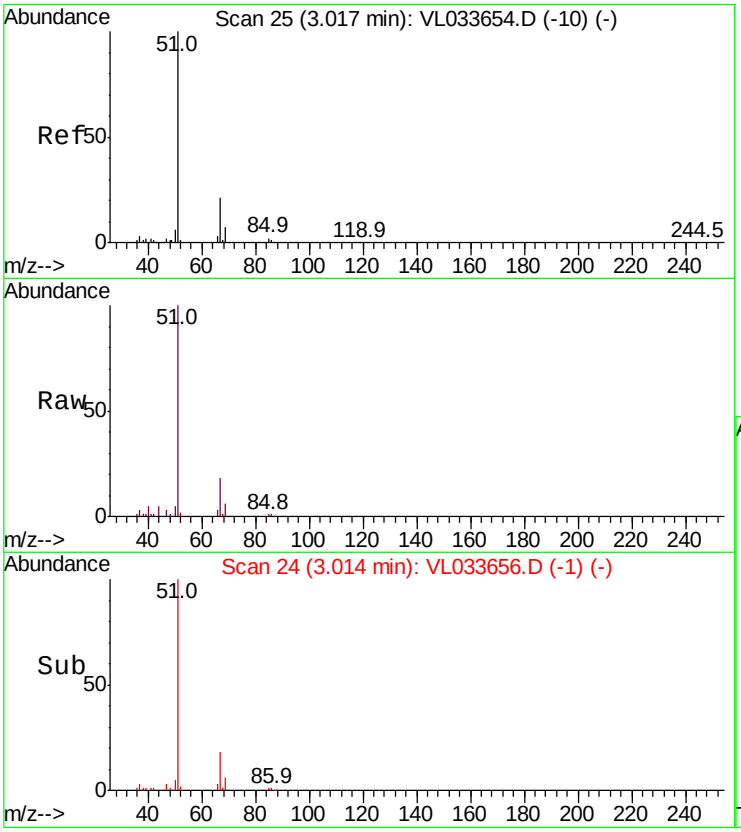


#2
Dichlorodifluoromethane
Concen: 1.598 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 85 Resp: 271280

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.0	39.0



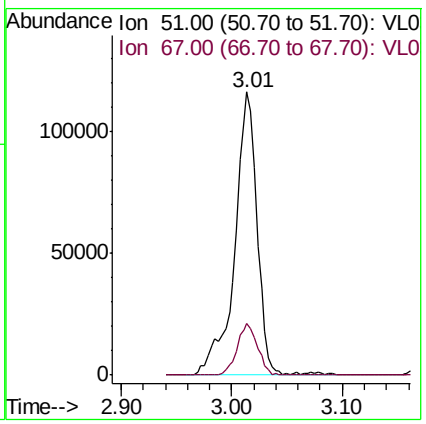


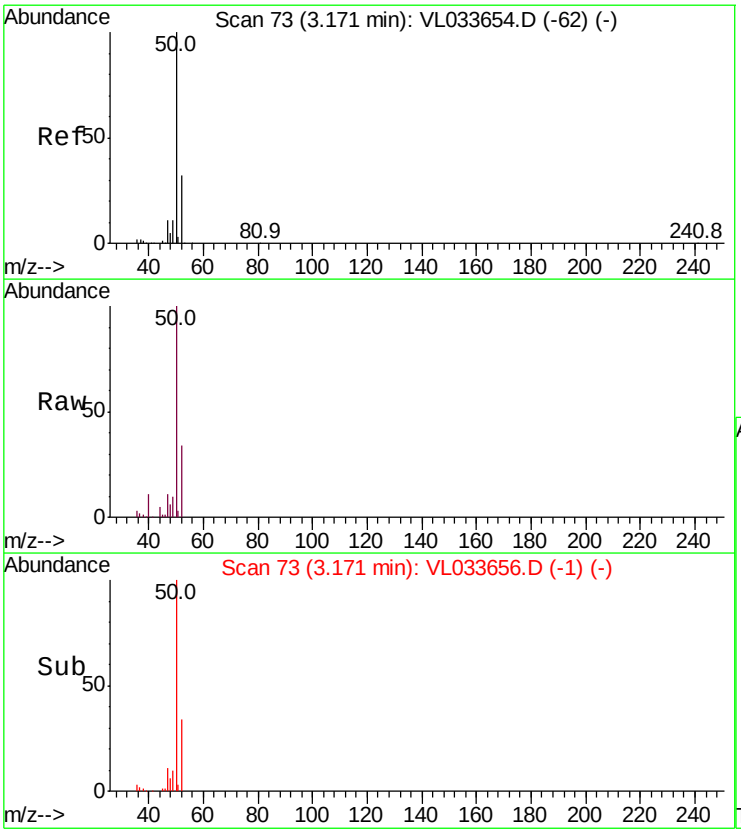
#3
Chlorodifluoromethane
Concen: 1.342 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 51 Resp: 164669

Ion	Ratio	Lower	Upper
51	100		
67	16.5	15.7	23.5

Instrument :
MSVOA_L
ClientSampleId :

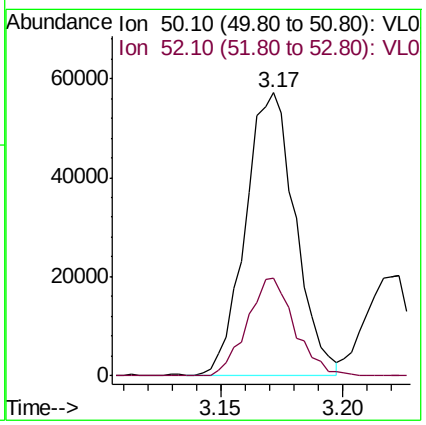


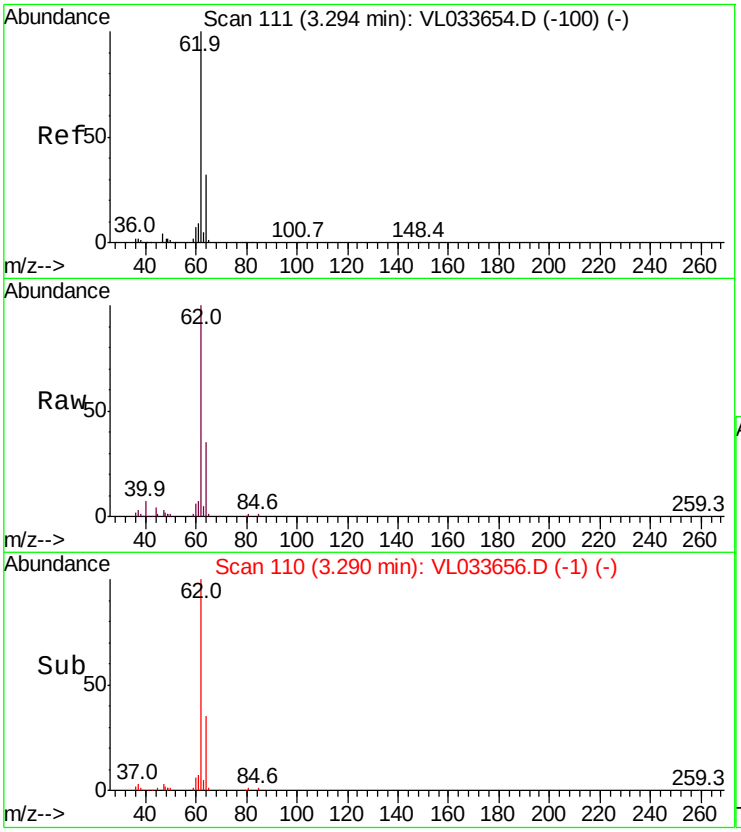


#4
Chloromethane
Concen: 1.201 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 50 Resp: 81158

Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.8	38.8



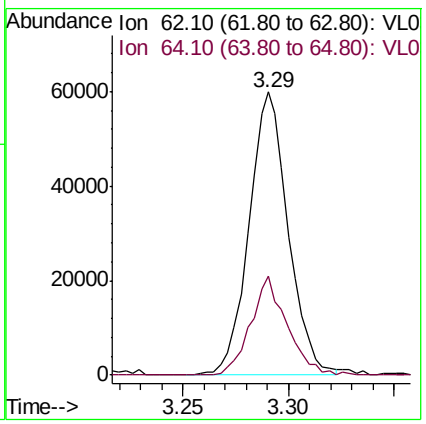


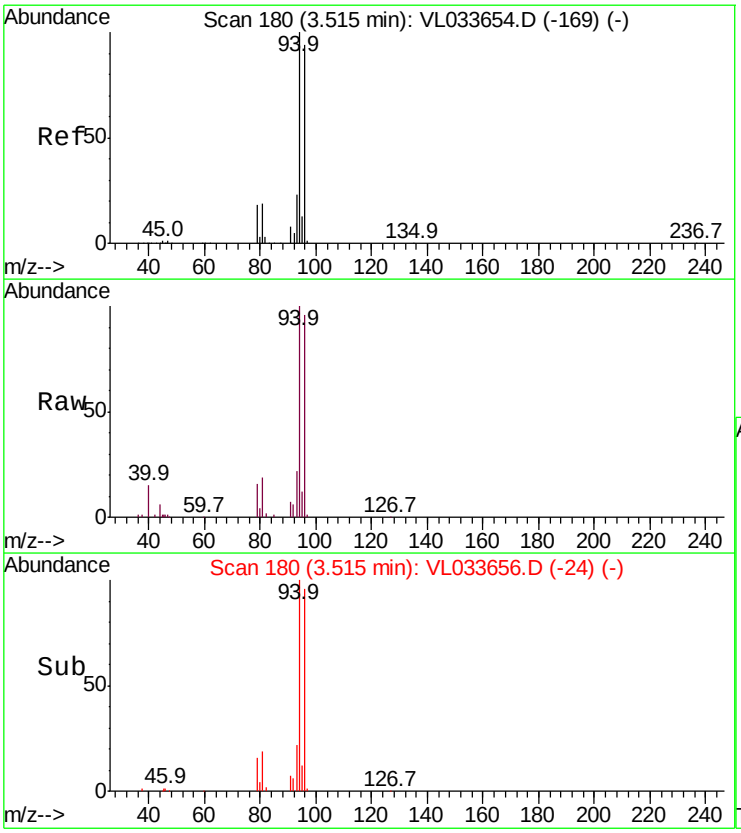
#5
Vinyl Chloride
Concen: 1.097 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 77167

Ion	Ratio	Lower	Upper
62	100		
64	35.2	25.6	38.4

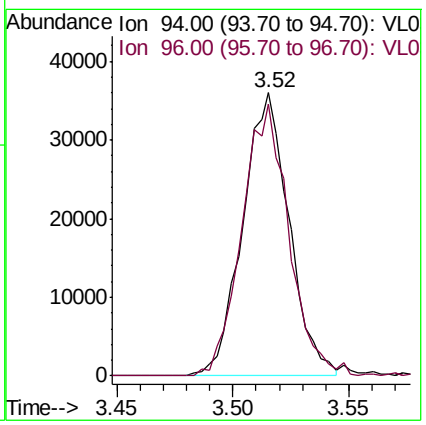


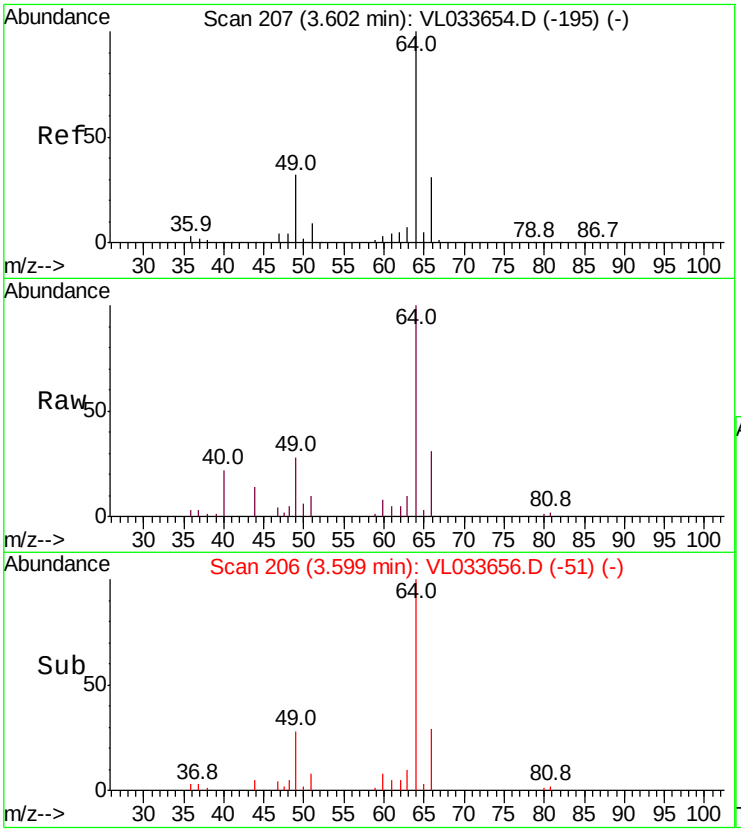


#6
Bromomethane
Concen: 1.197 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 94 Resp: 50029

Ion	Ratio	Lower	Upper
94	100		
96	95.9	75.2	112.8



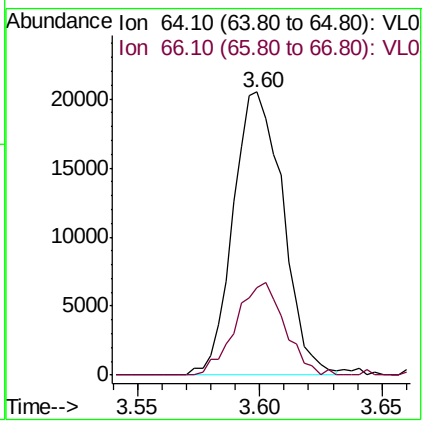


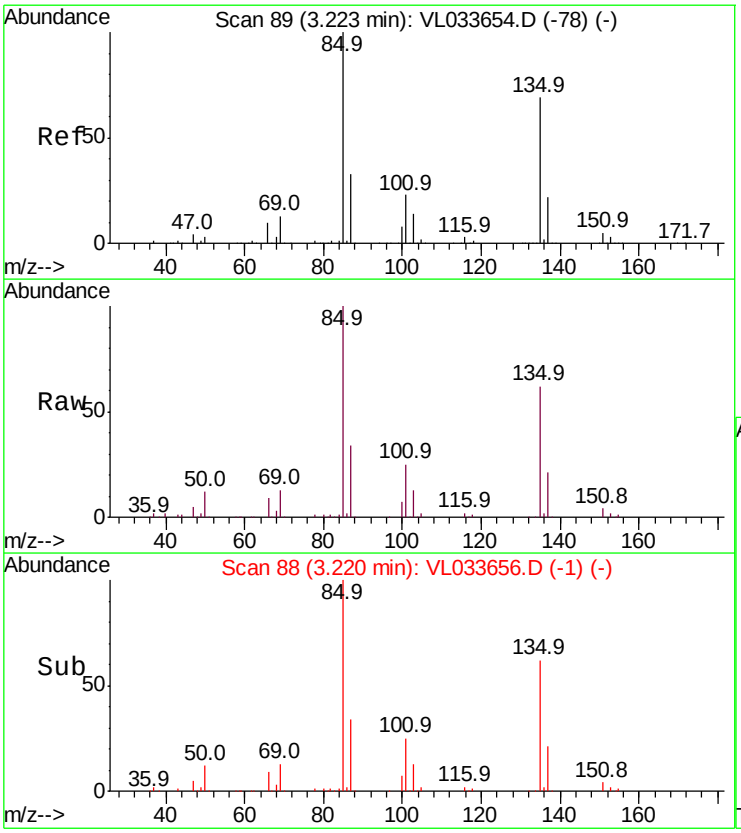
#7
Chloroethane
Concen: 1.232 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 28953

Ion	Ratio	Lower	Upper
64	100		
66	30.9	25.1	37.7

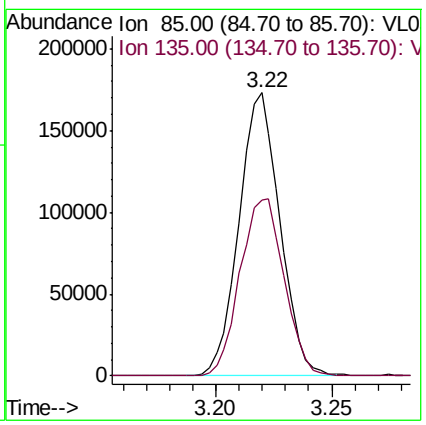


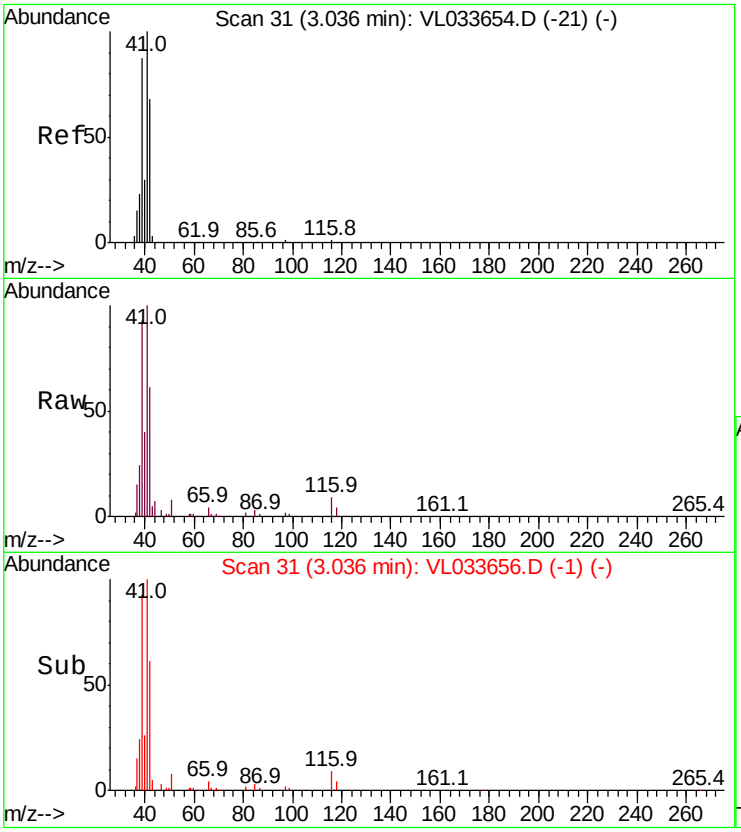


#8
Dichlorotetrafluoroethane
Concen: 1.240 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 85 Resp: 212233

Ion	Ratio	Lower	Upper
85	100		
135	67.3	54.3	81.5

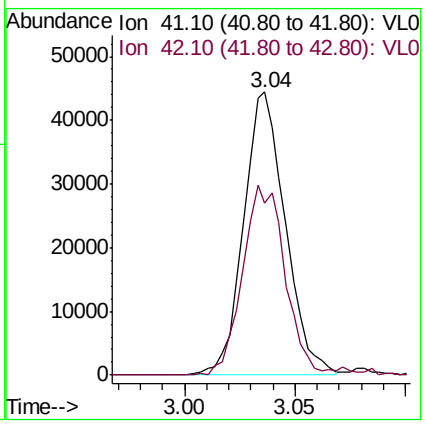




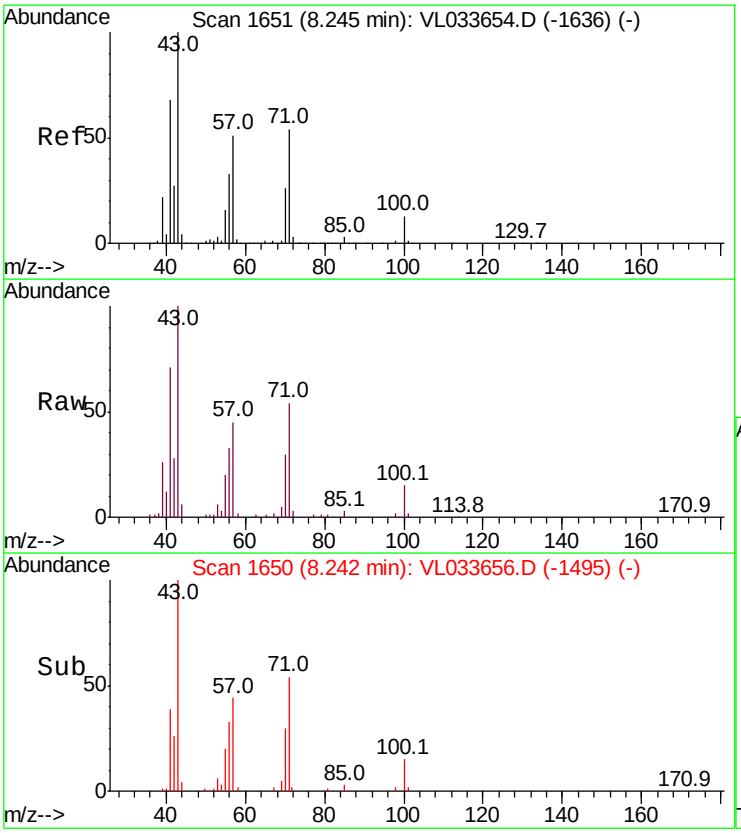
#9
Propene
Concen: 1.362 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 41 Resp: 58192

Ion	Ratio	Lower	Upper
41	100		
42	69.7	55.6	83.4



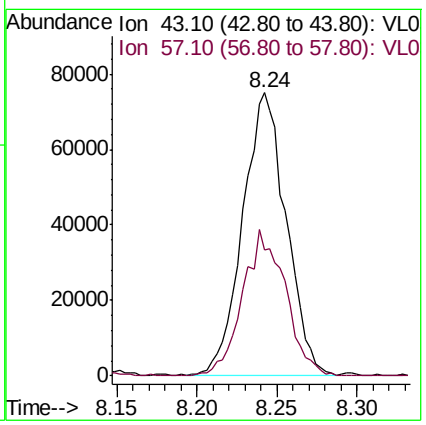
Instrument :
MSVOA_L
ClientSampleId :

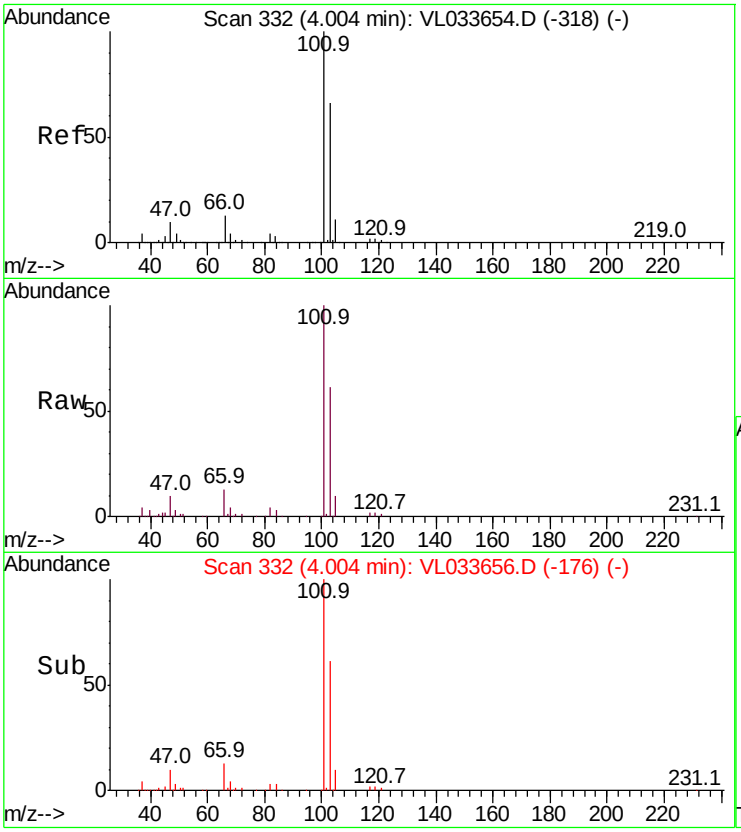


#10
Heptane
Concen: 1.064 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 43 Resp: 138371

Ion	Ratio	Lower	Upper
43	100		
57	51.4	41.8	62.6



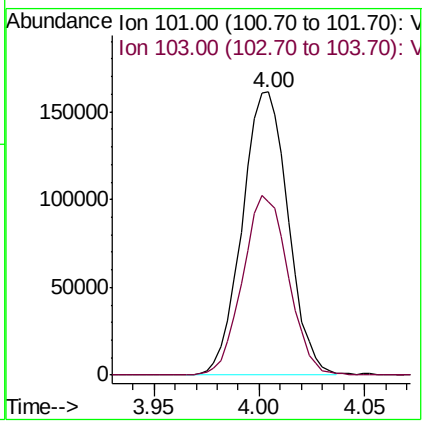


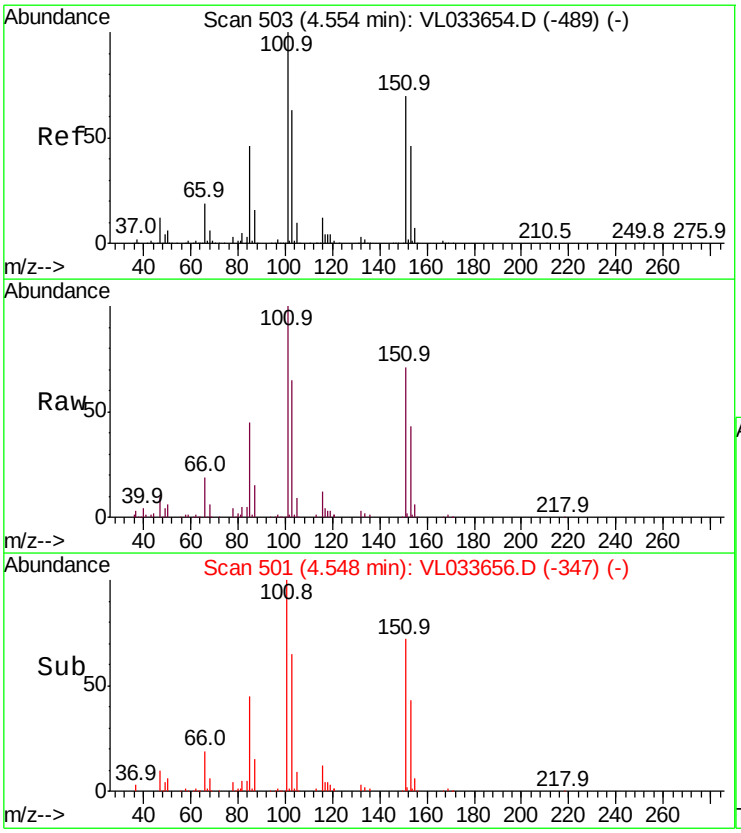
#11
Trichlorofluoromethane
Concen: 1.294 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 244472

Ion	Ratio	Lower	Upper
101	100		
103	61.4	52.7	79.1

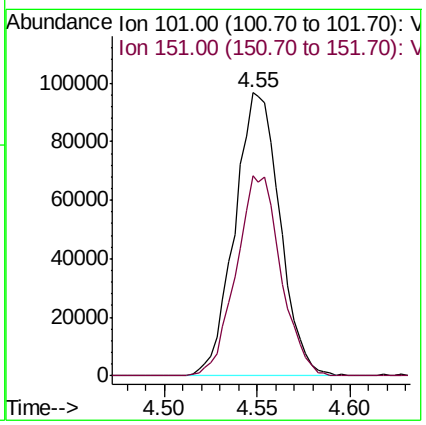


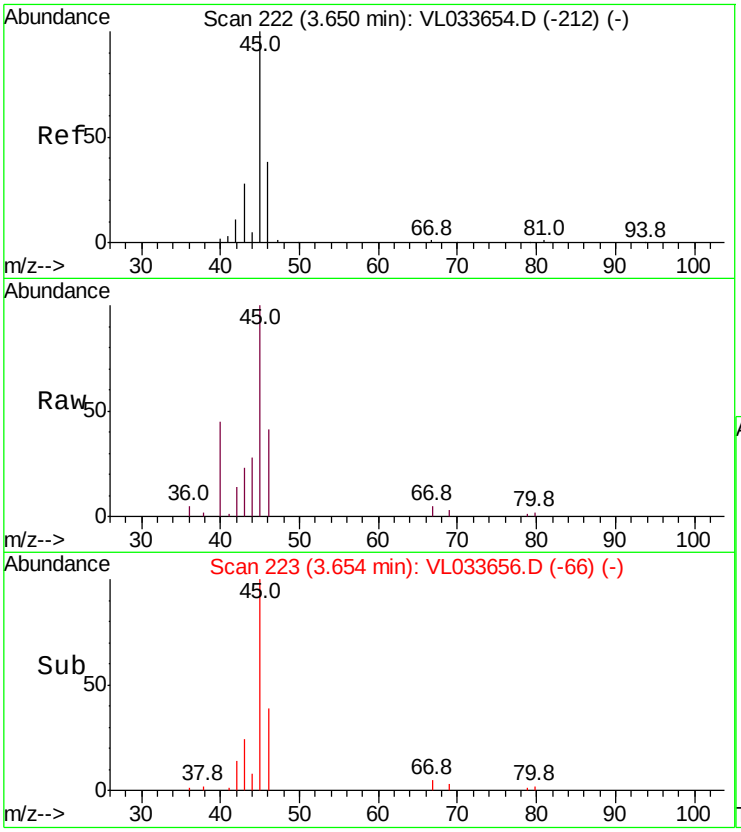


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.265 ppbv
RT: 4.55 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:101 Resp: 164075

Ion	Ratio	Lower	Upper
101	100		
151	69.9	58.0	87.0



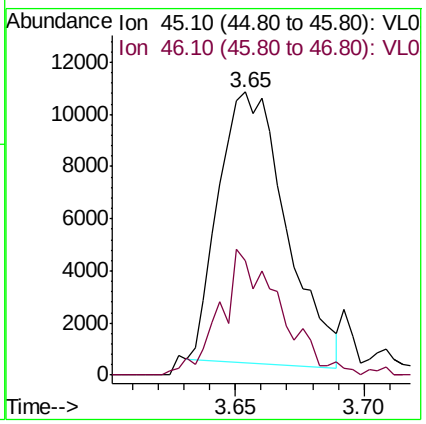


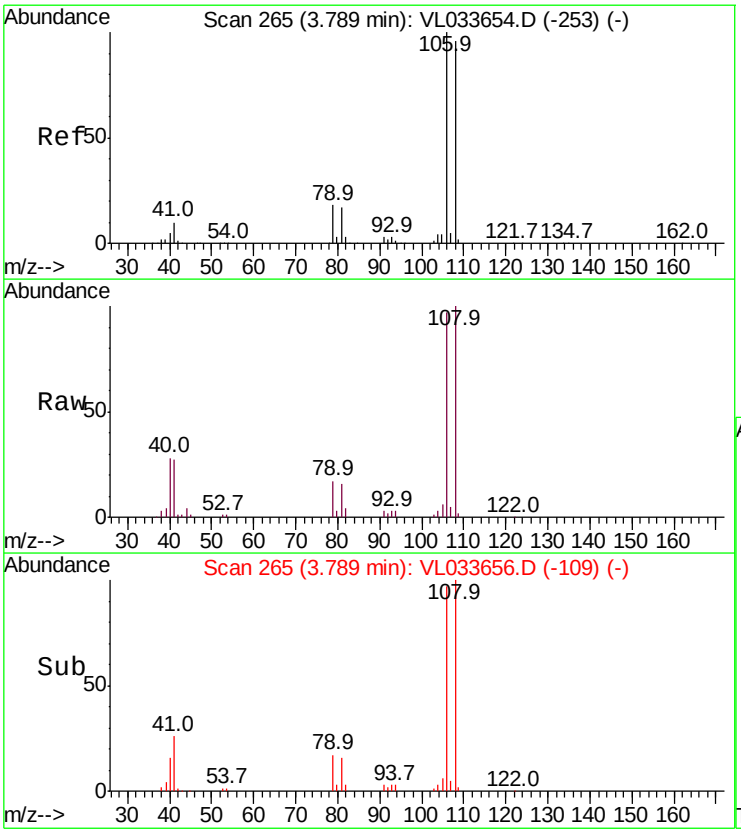
#13
Ethanol
Concen: 1.208 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 19060

Ion	Ratio	Lower	Upper
45	100		
46	41.6	14.9	59.7

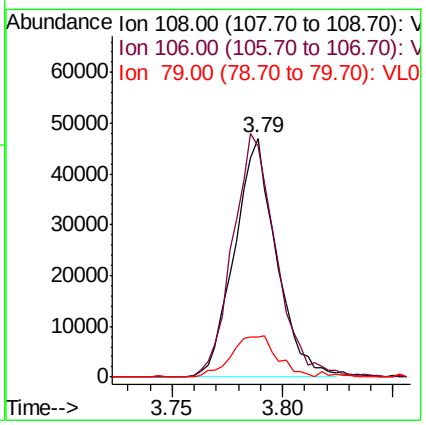


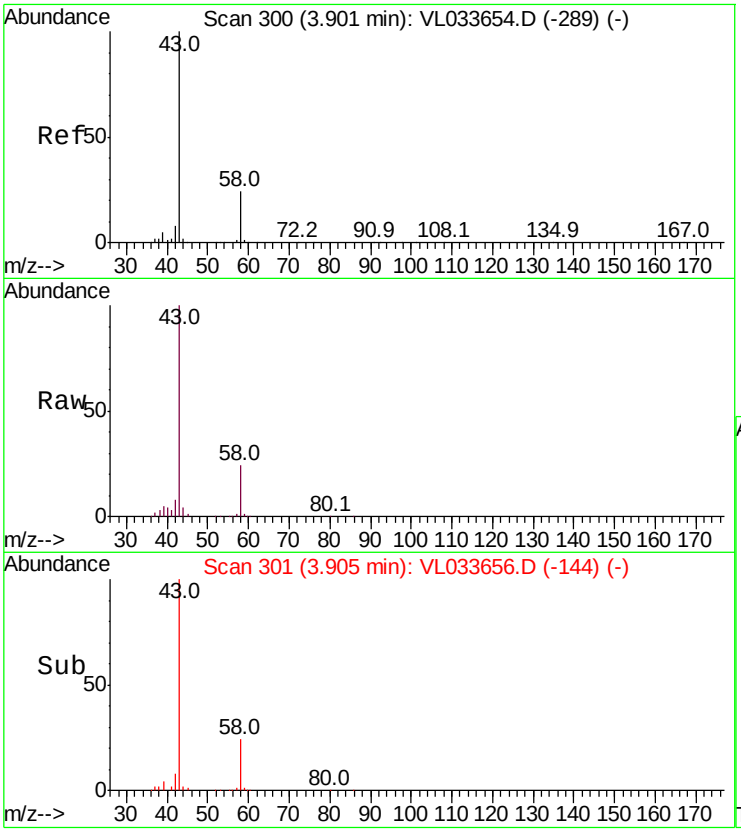


#14
Bromoethene
Concen: 1.177 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:108 Resp: 61853

Ion	Ratio	Lower	Upper
108	100		
106	106.3	85.8	128.6
79	20.1	15.2	22.8



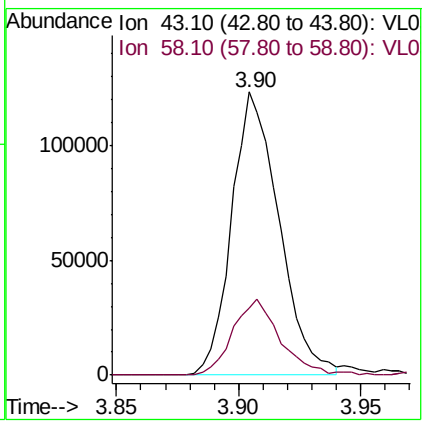


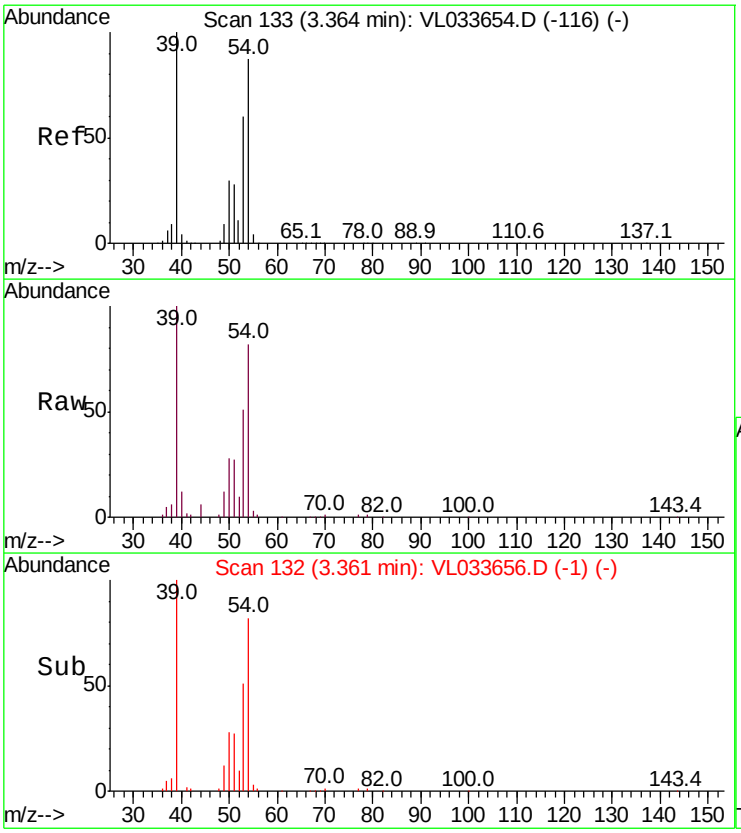
#15
Acetone
Concen: 1.294 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 165753

Ion	Ratio	Lower	Upper
43	100		
58	27.5	20.9	31.3

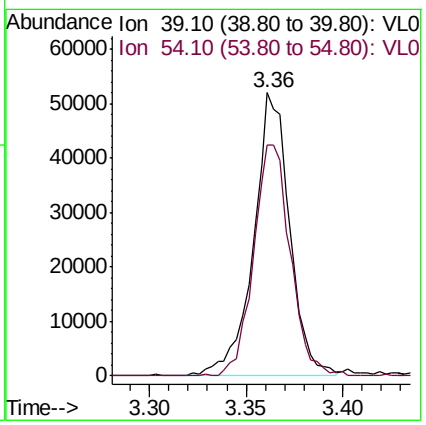


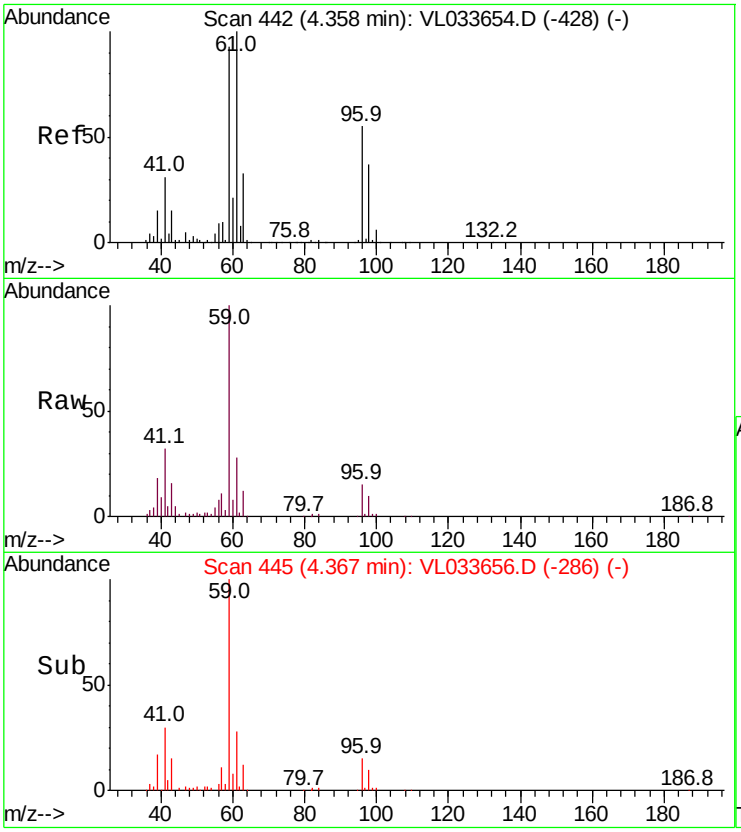


#16
1,3-Butadiene
Concen: 1.182 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 39 Resp: 67418

Ion	Ratio	Lower	Upper
39	100		
54	83.3	67.0	100.4



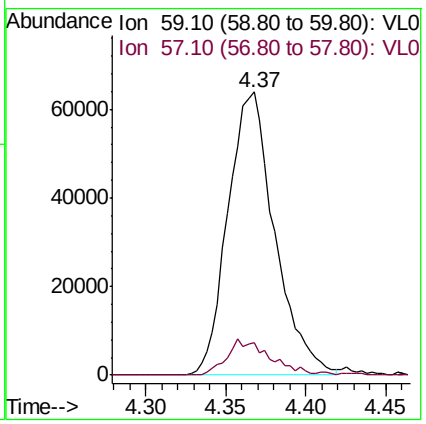


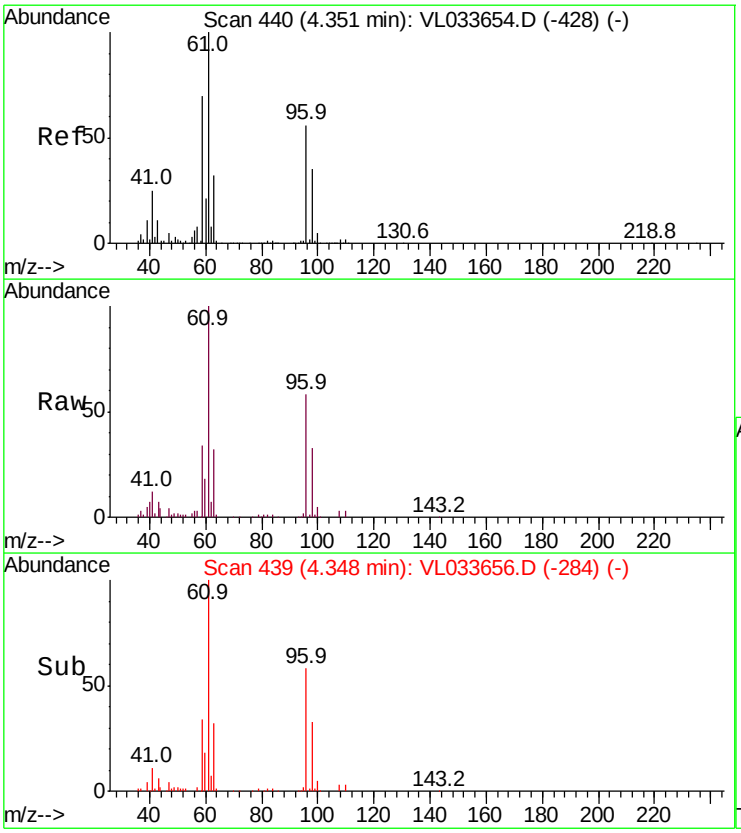
#17
tert-Butyl alcohol
Concen: 1.185 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 127714

Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.4	12.6

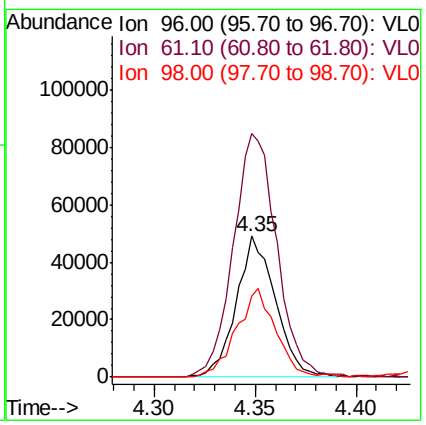


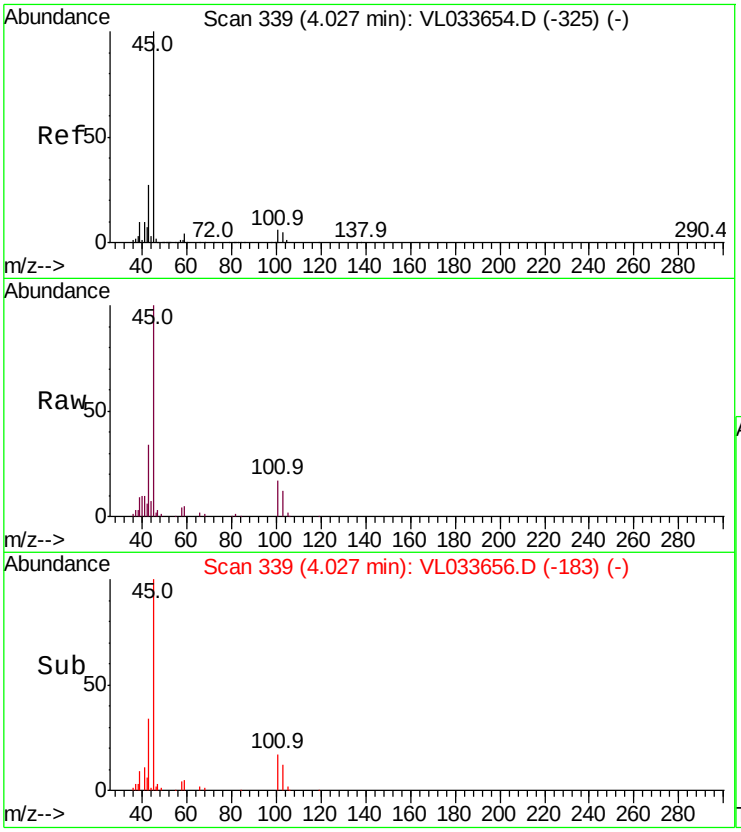


#18
1,1-Dichloroethene
Concen: 1.189 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 96 Resp: 66966

Ion	Ratio	Lower	Upper
96	100		
61	172.7	143.4	215.0
98	57.4	50.4	75.6



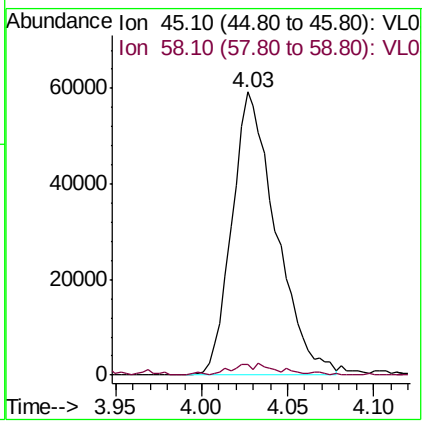


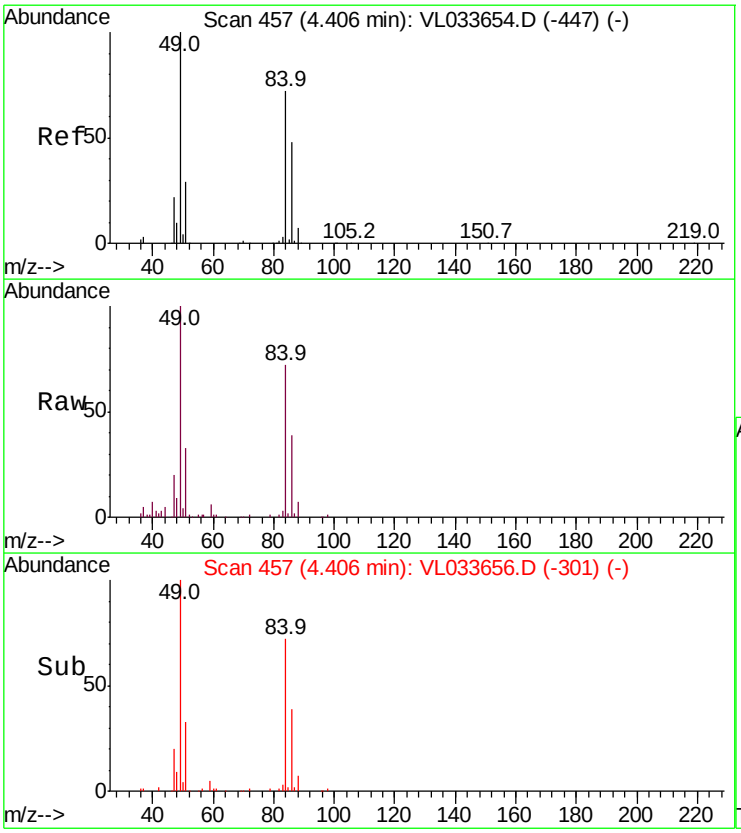
#19
Isopropyl Alcohol
Concen: 1.231 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 105308

Ion	Ratio	Lower	Upper
45	100		
58	4.7	1.9	2.9#

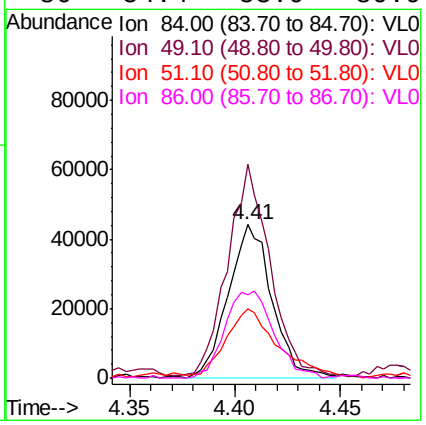


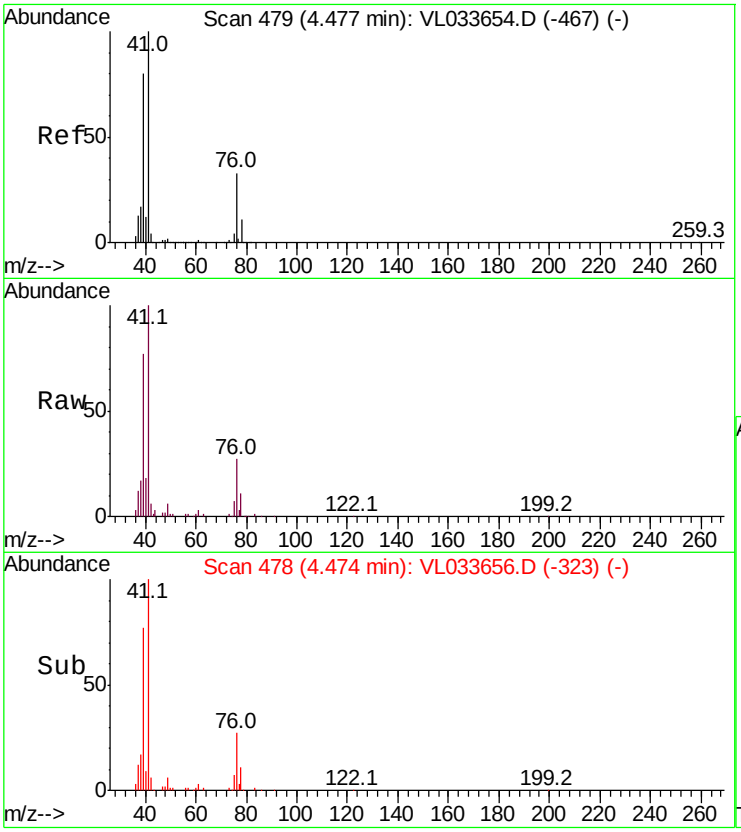


#20
Methylene Chloride
Concen: 1.269 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 84 Resp: 63587

Ion	Ratio	Lower	Upper
84	100		
49	137.4	111.8	167.6
51	43.5	32.3	48.5
86	54.4	53.9	80.9



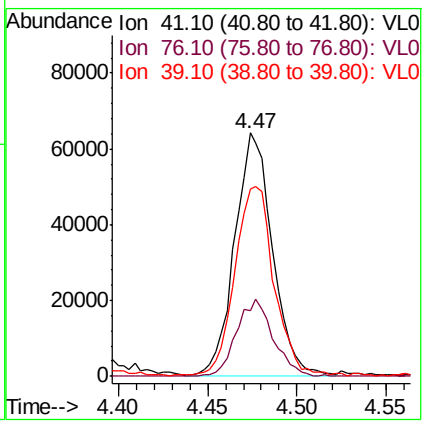


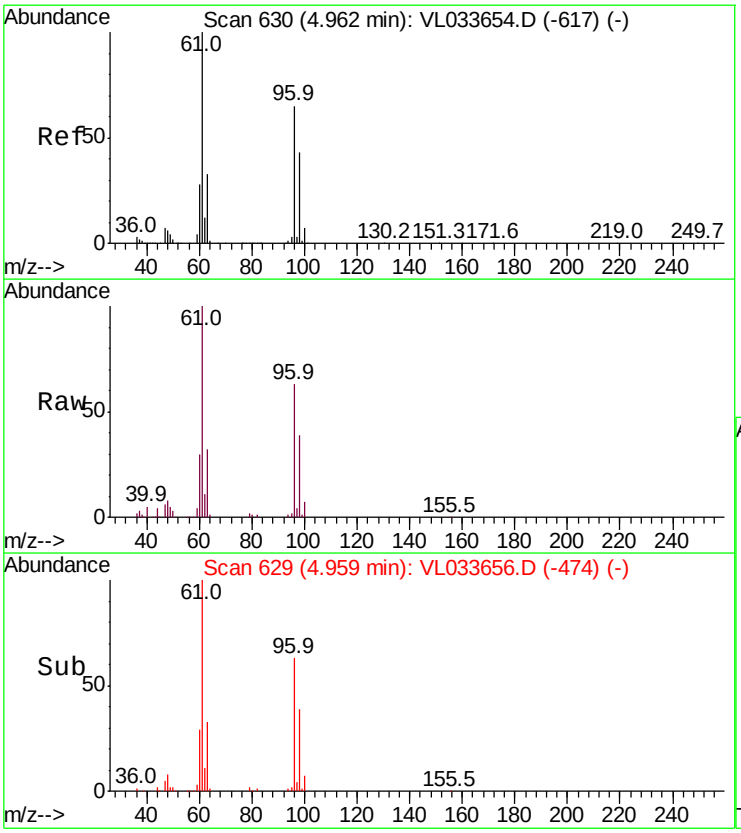
#21
Allvl Chloride
Concen: 1.177 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 94434

Ion	Ratio	Lower	Upper
41	100		
76	31.1	26.0	39.0
39	82.9	64.4	96.6

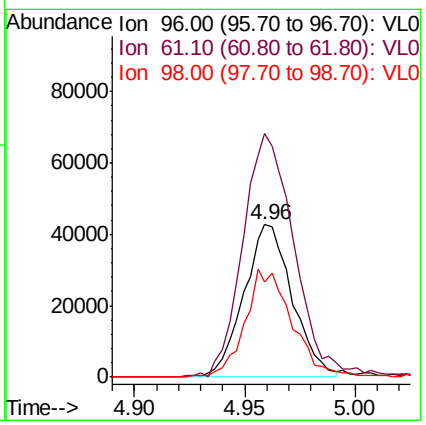


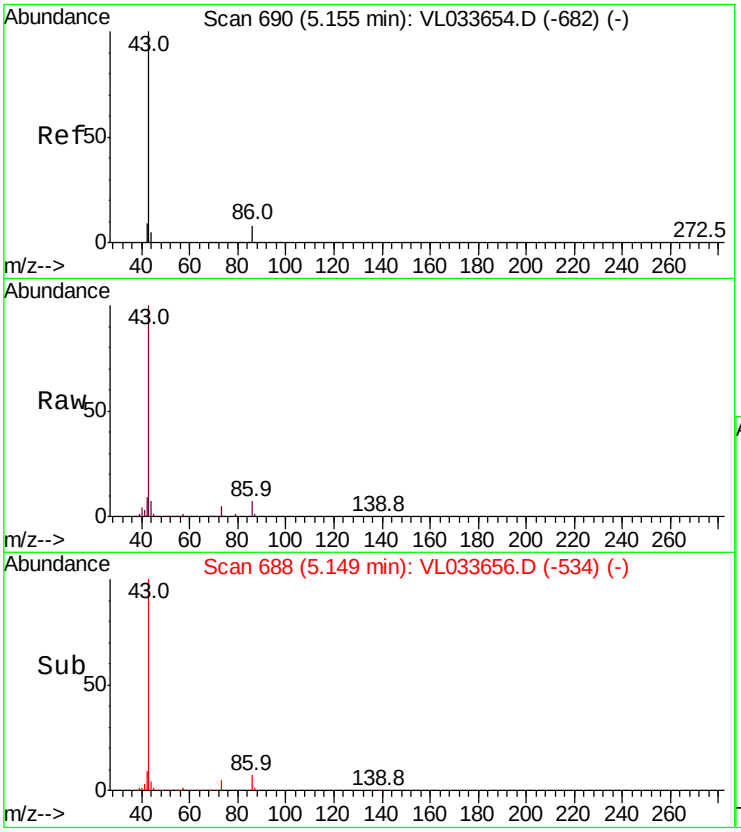


#22
trans-1,2-Dichloroethene
Concen: 1.172 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 96 Resp: 65122

Ion	Ratio	Lower	Upper
96	100		
61	159.0	123.1	184.7
98	62.1	52.6	79.0



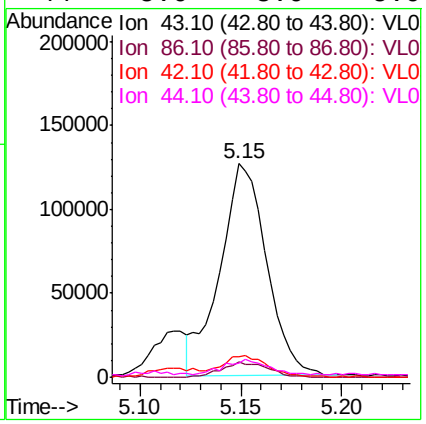


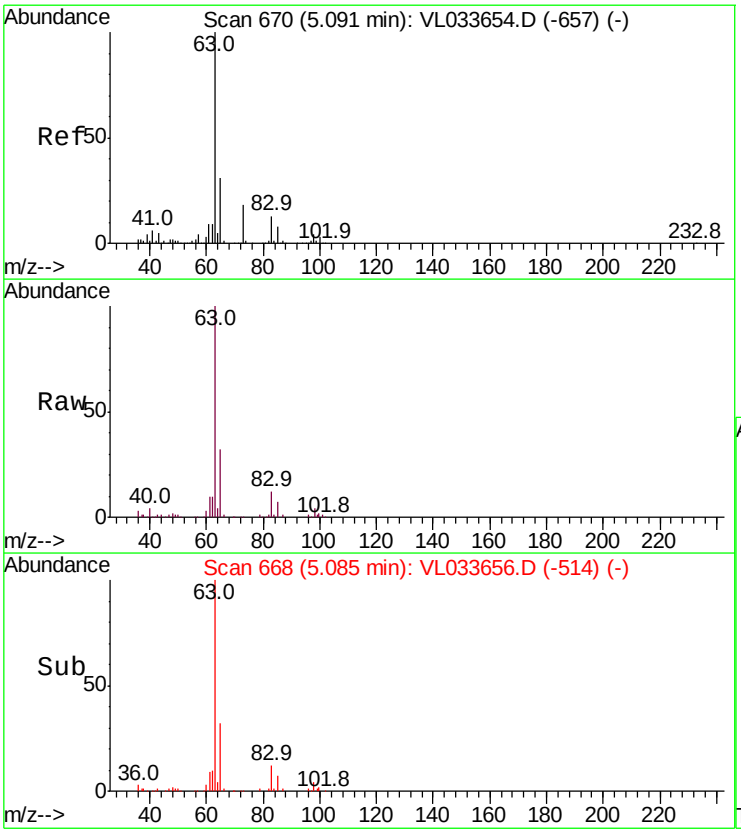
#23
Vinyl Acetate
Concen: 1.103 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 204716

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.0	9.0
42	9.2	8.0	12.0
44	5.0	3.9	5.9

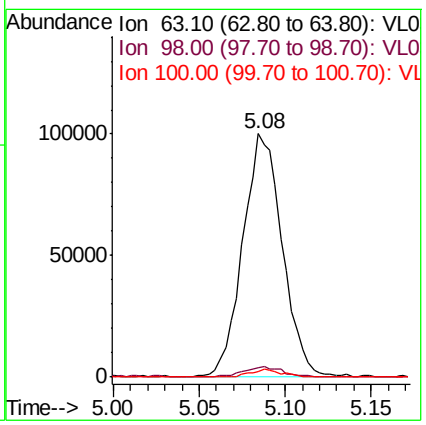


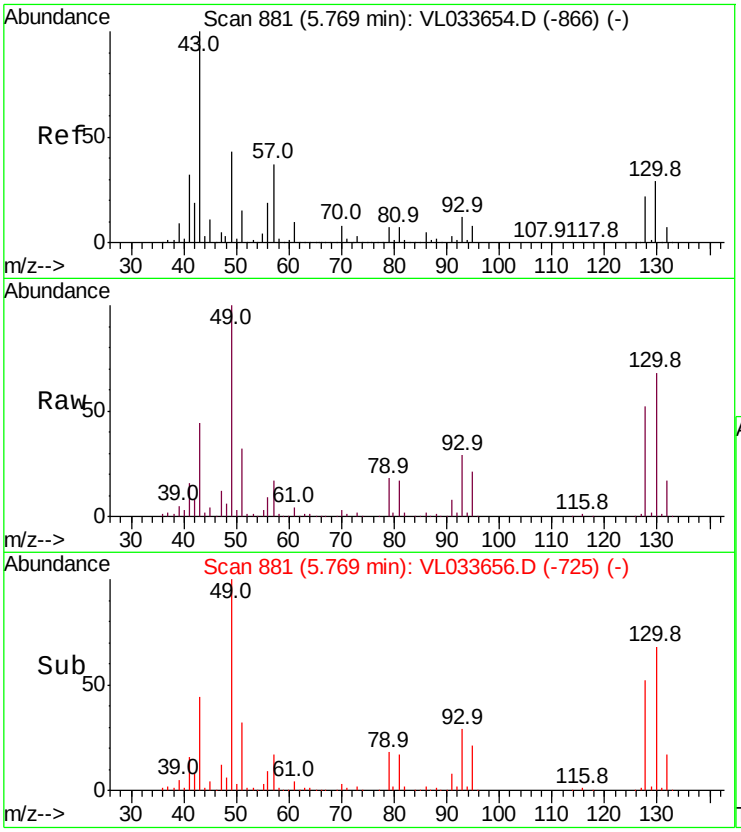


#24
1,1-Dichloroethane
Concen: 1.147 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 63 Resp: 159342

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.2
100	2.0	1.5	4.4



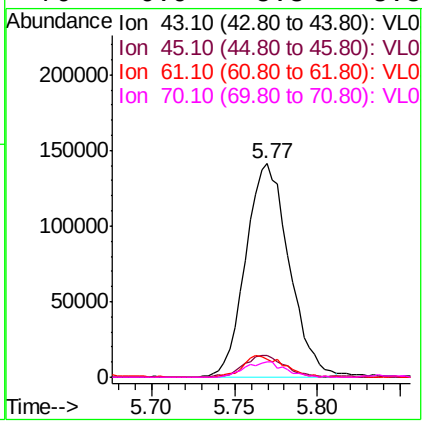


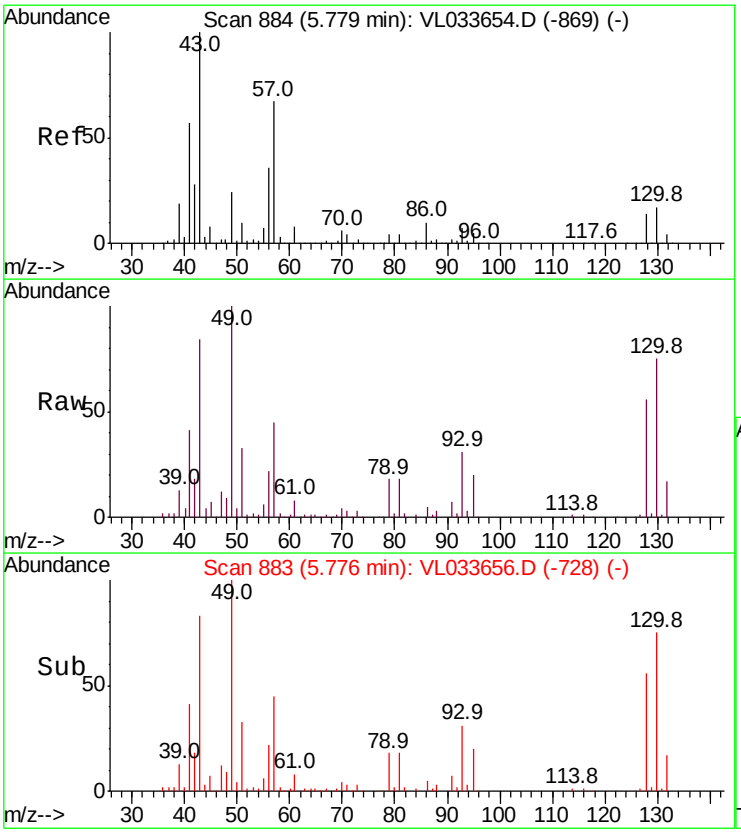
#25
Ethyl Acetate
Concen: 1.089 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 257921

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.4	7.5	11.3
70	6.9	5.8	8.8

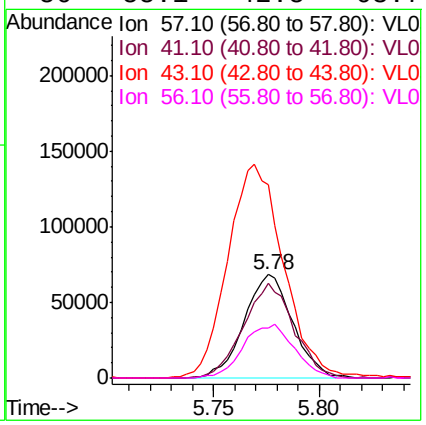


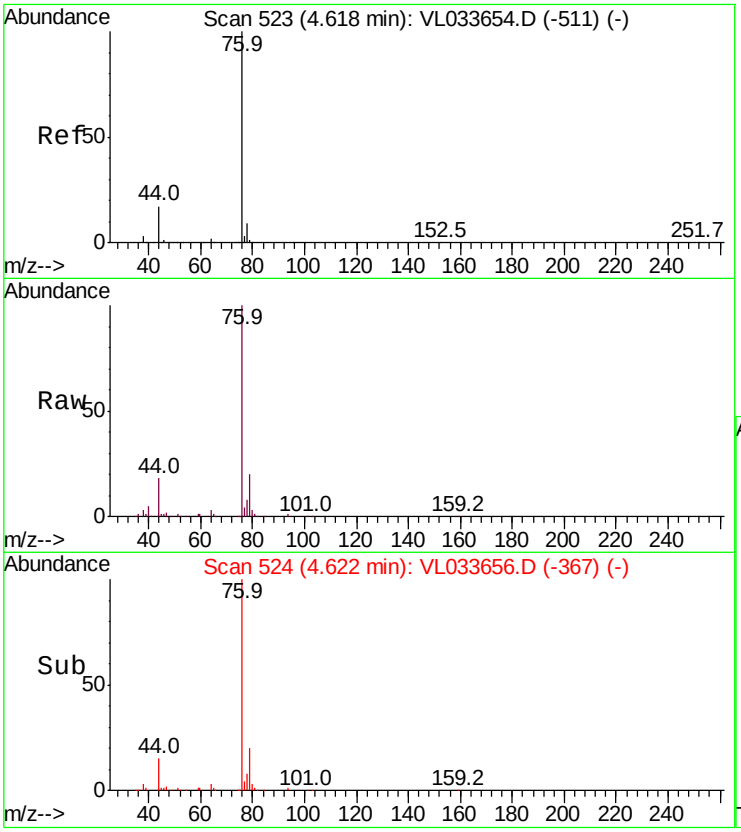


#26
Hexane
Concen: 1.089 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 57 Resp: 109169

Ion	Ratio	Lower	Upper
57	100		
41	95.0	69.7	104.5
43	241.7	181.9	272.9
56	55.1	42.5	63.7



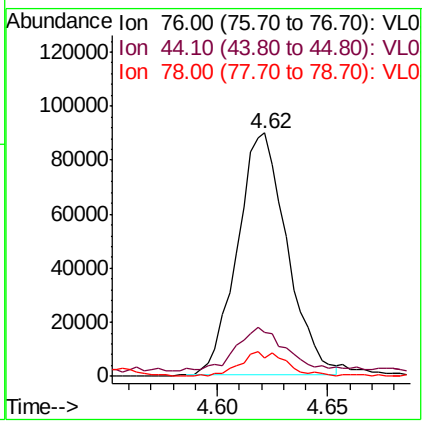


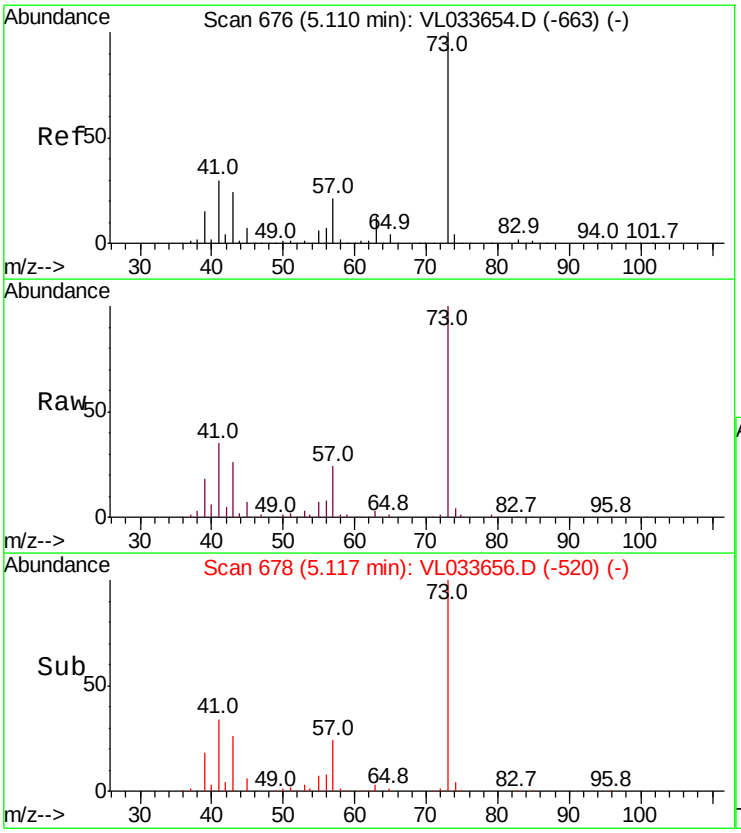
#27
Carbon Disulfide
Concen: 1.127 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 140364

Ion	Ratio	Lower	Upper
76	100		
44	22.7	14.4	21.6#
78	9.9	7.4	11.2

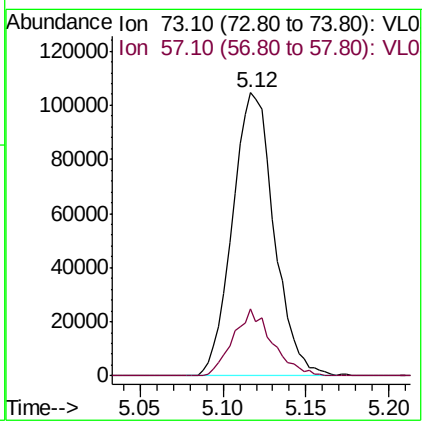


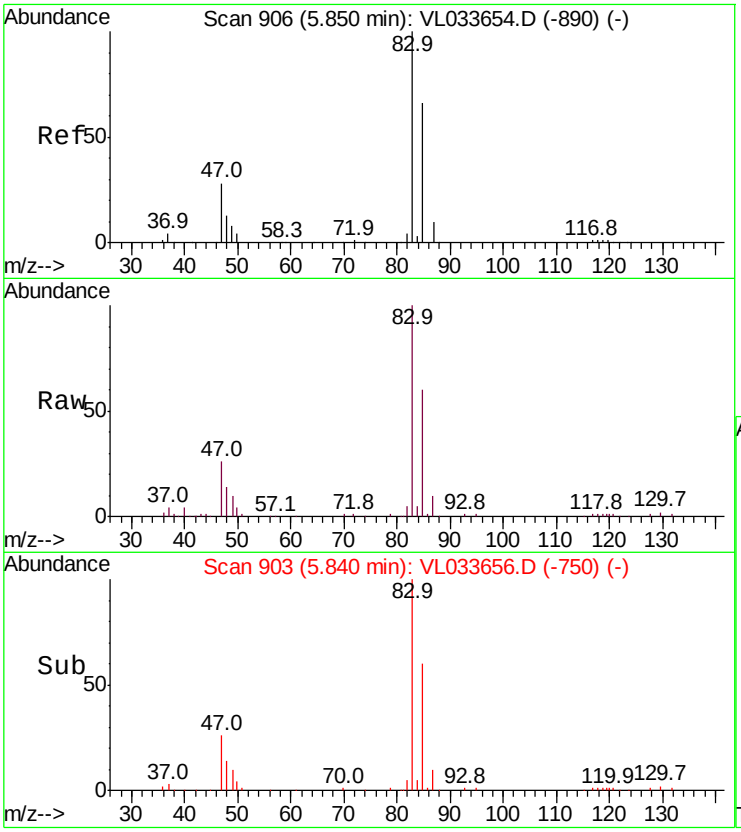


#28
Methyl tert-Butyl Ether
Concen: 1.086 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 73 Resp: 182972

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.0



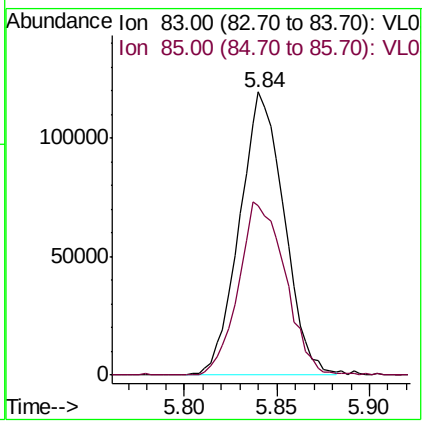


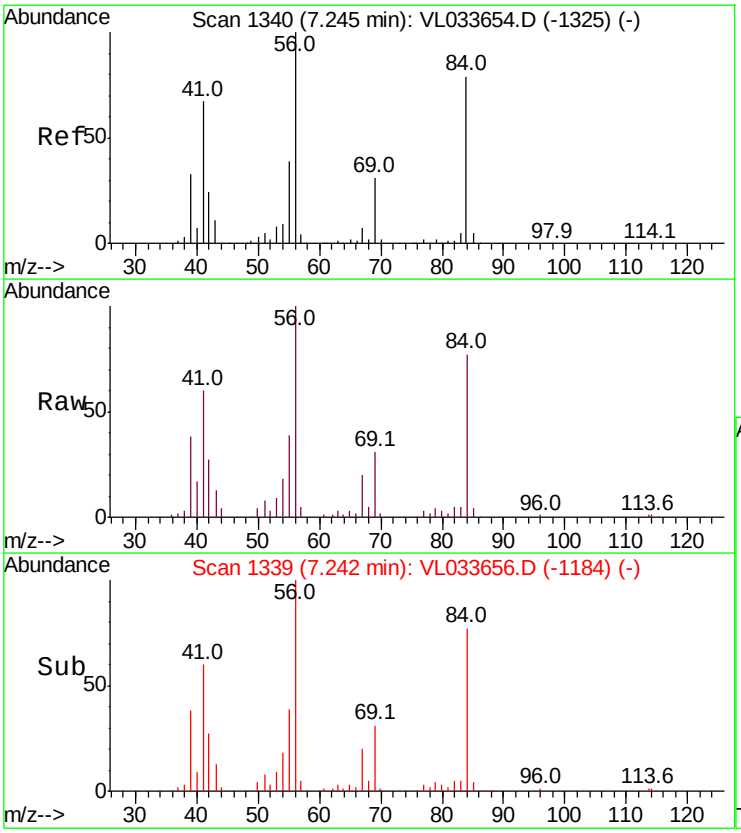
#29
Chloroform
Concen: 1.087 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 199244

Ion	Ratio	Lower	Upper
83	100		
85	59.6	52.6	78.8

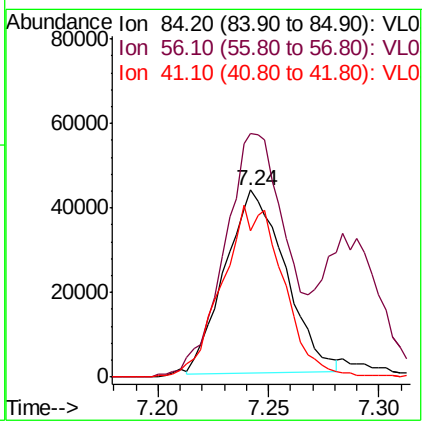


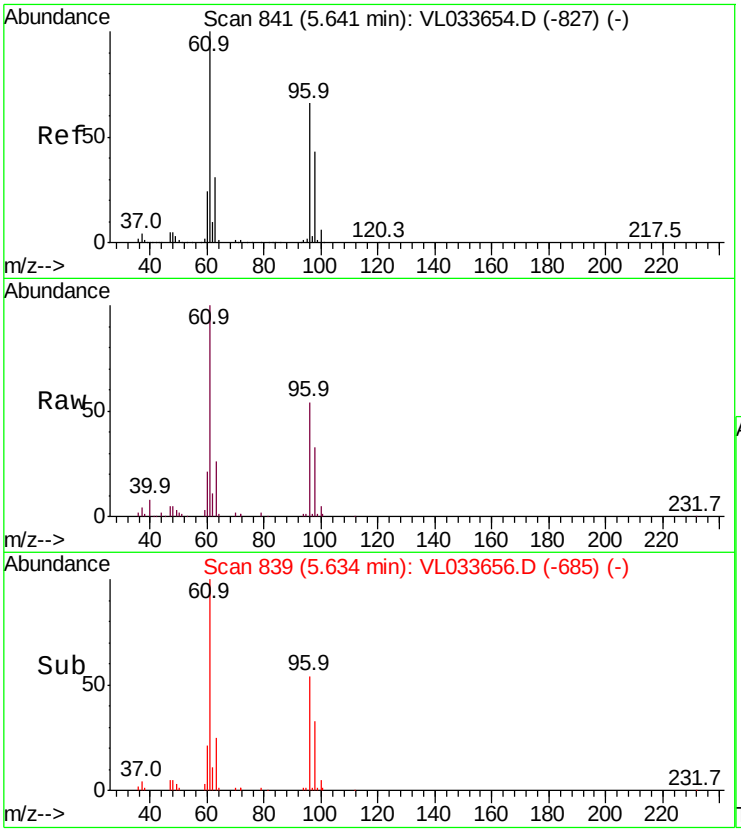


#30
Cyclohexane
Concen: 0.966 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 84 Resp: 82122

Ion	Ratio	Lower	Upper
84	100		
56	135.8	107.0	160.4
41	95.9	66.6	99.8



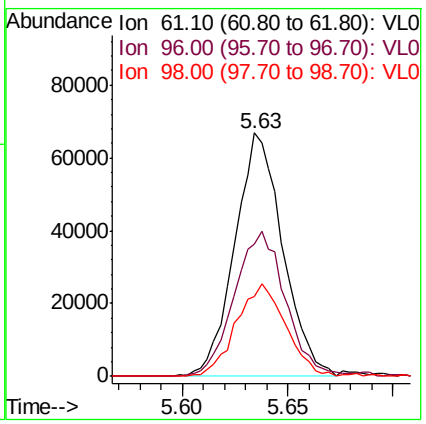


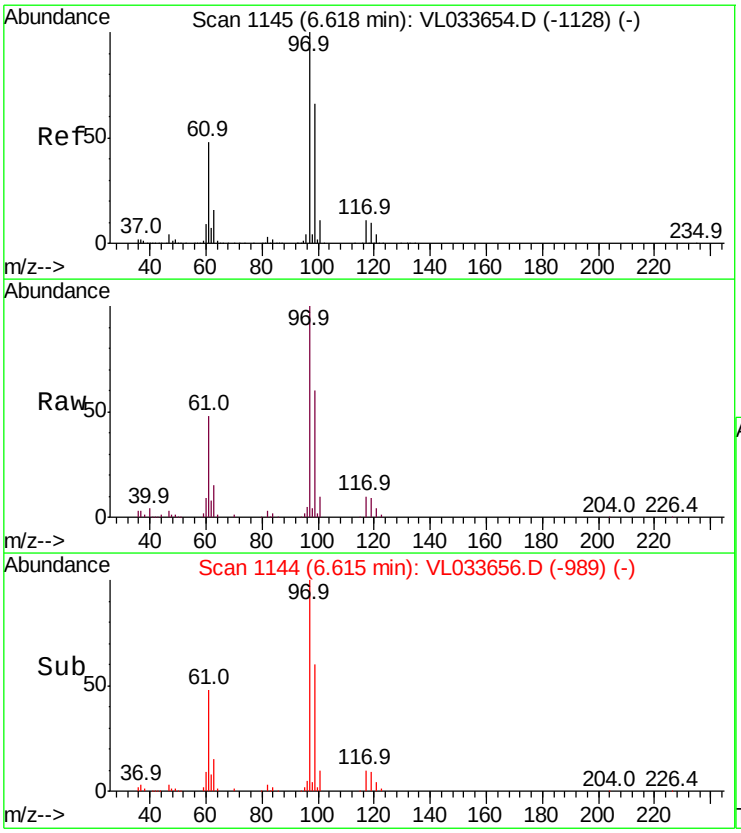
#31
cis-1,2-Dichloroethene
Concen: 1.046 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 105676

Ion	Ratio	Lower	Upper
61	100		
96	53.6	53.2	79.8
98	33.0	34.2	51.4#

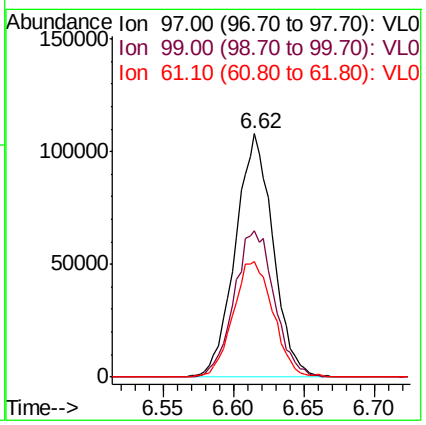


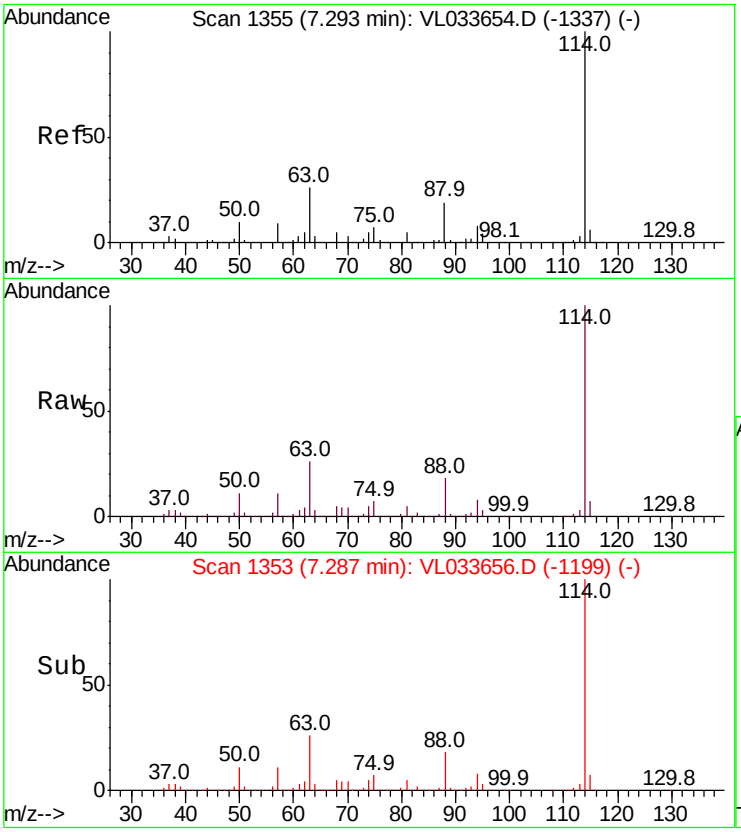


#32
1,1,1-Trichloroethane
Concen: 1.051 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 97 Resp: 201965

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	50.5	38.5	57.7



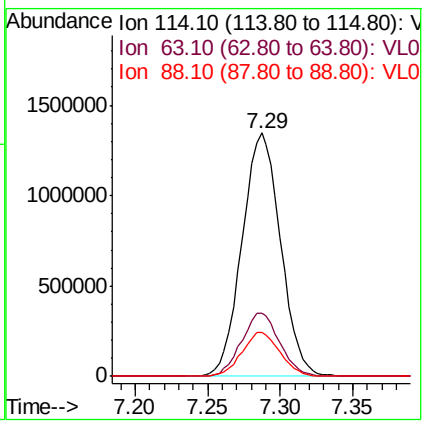


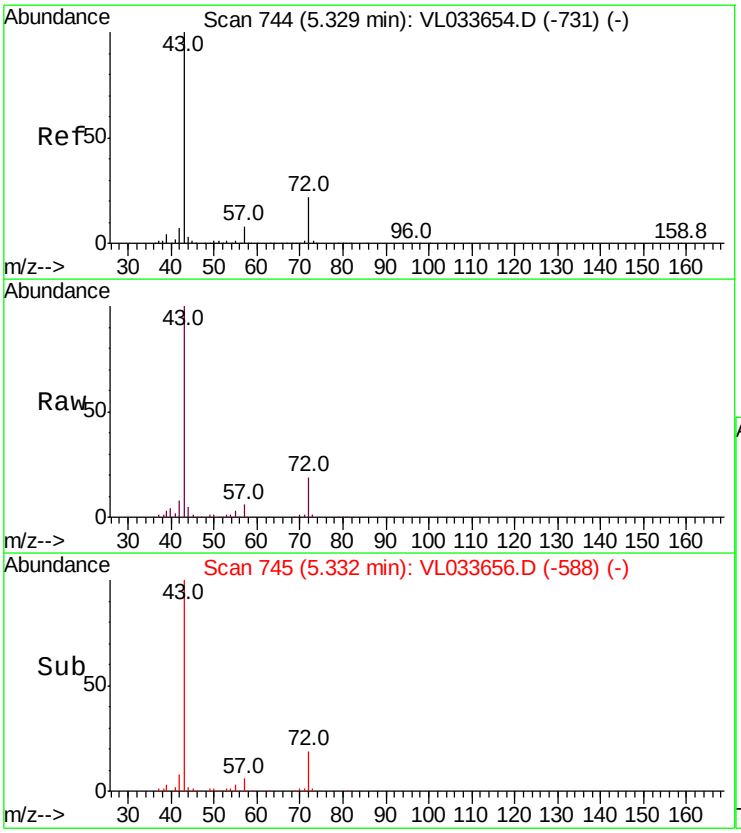
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2492876

Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.2	31.8
88	17.9	14.4	21.6

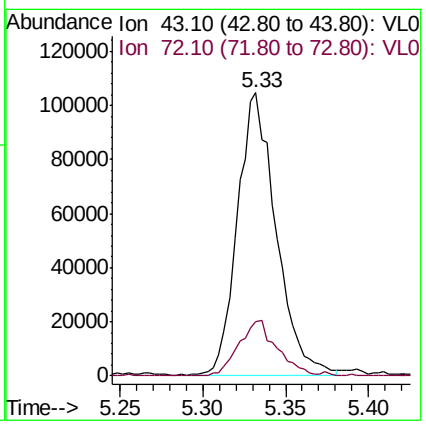


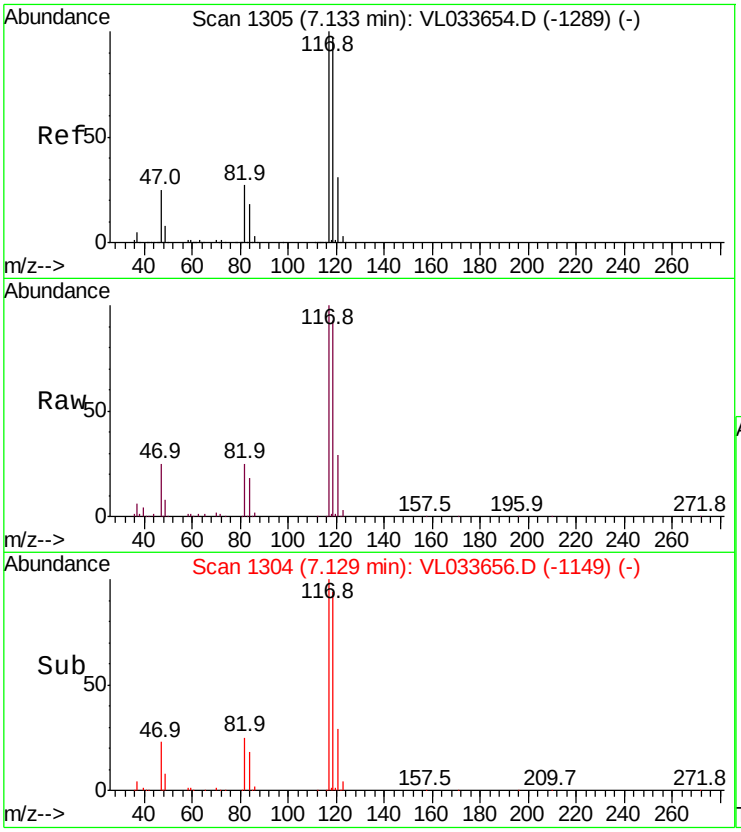


#34
2-Butanone
Concen: 1.098 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 43 Resp: 169295

Ion	Ratio	Lower	Upper
43	100		
72	19.8	17.4	26.2



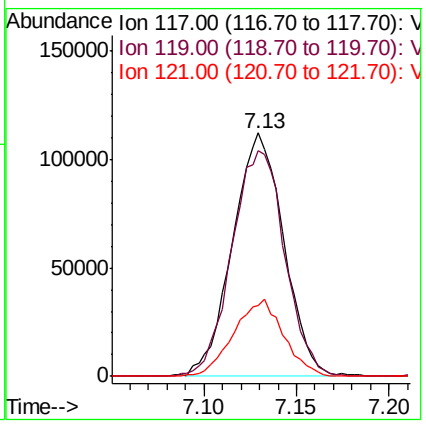


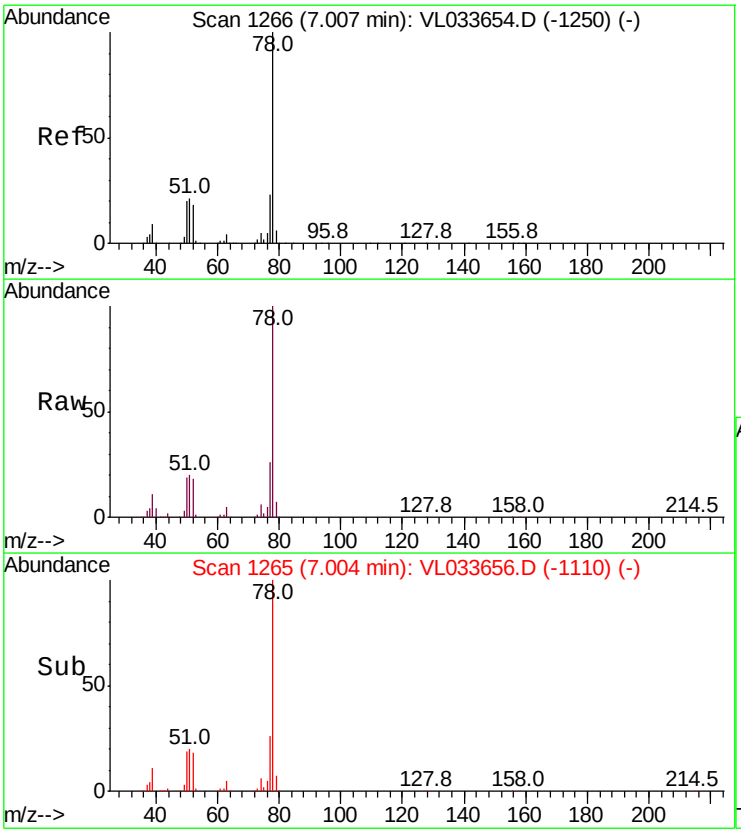
#35
Carbon Tetrachloride
Concen: 1.073 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 214592

Ion	Ratio	Lower	Upper
117	100		
119	91.9	77.9	116.9
121	28.4	25.0	37.6

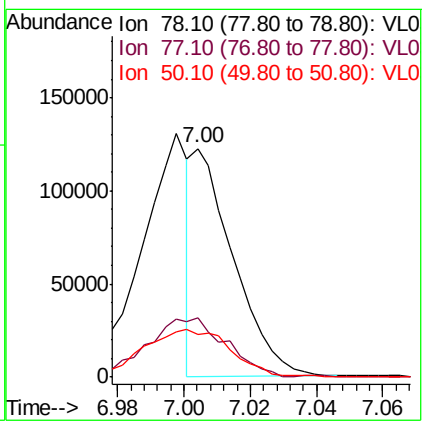


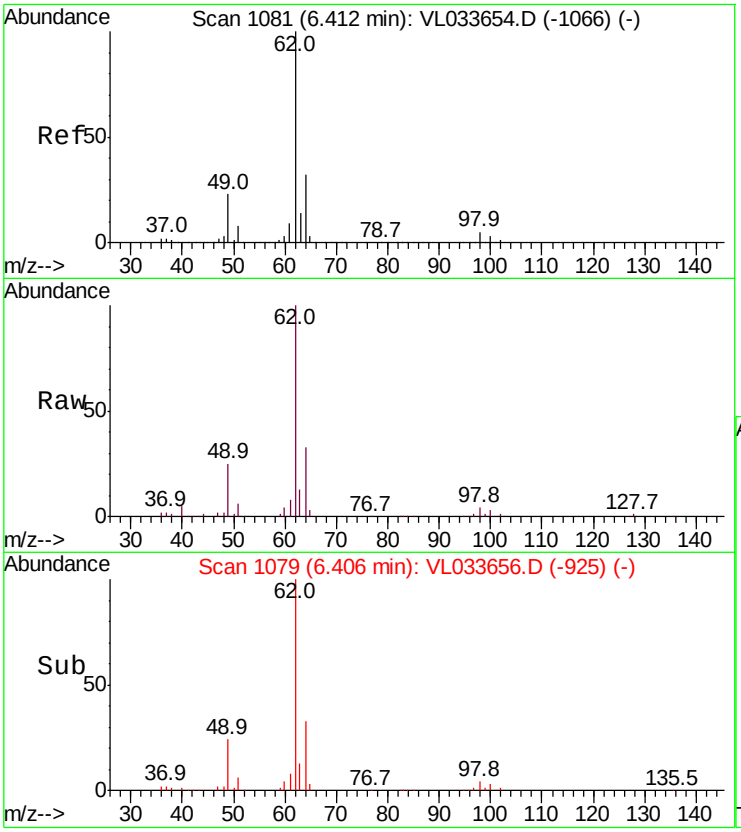


#36
Benzene
Concen: 0.477 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 78 Resp: 103069

Ion	Ratio	Lower	Upper
78	100		
77	25.8	18.2	27.2
50	18.8	15.8	23.6



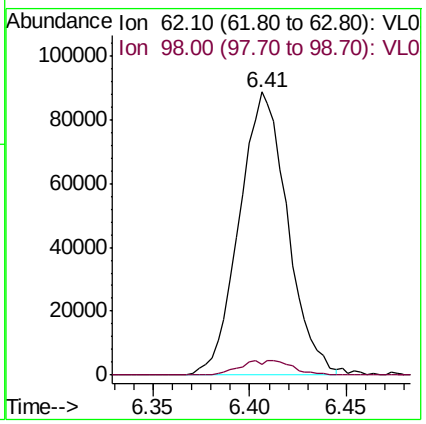


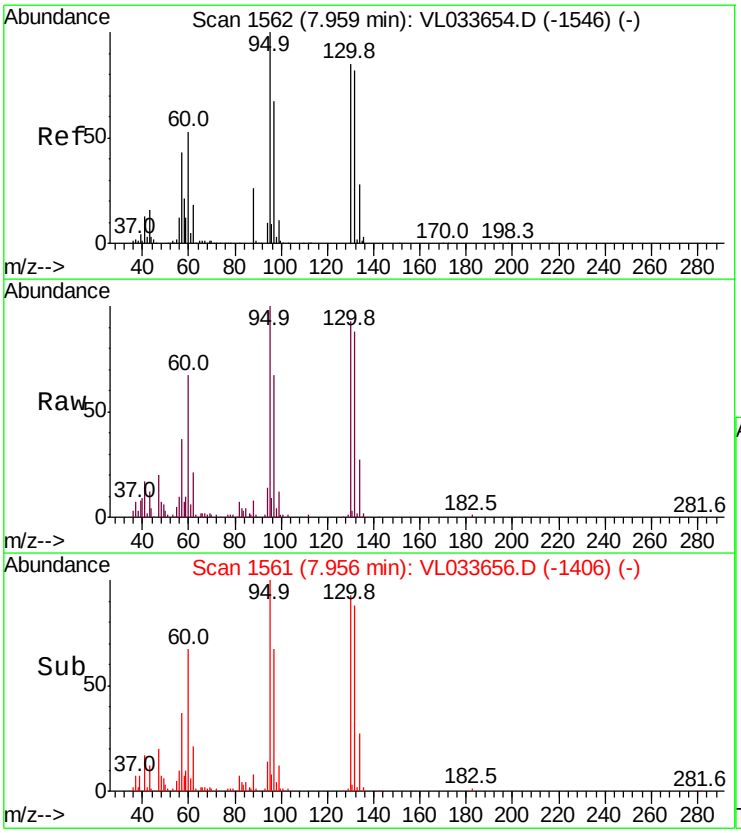
#37
1,2-Dichloroethane
Concen: 1.075 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 153977

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.5	6.7

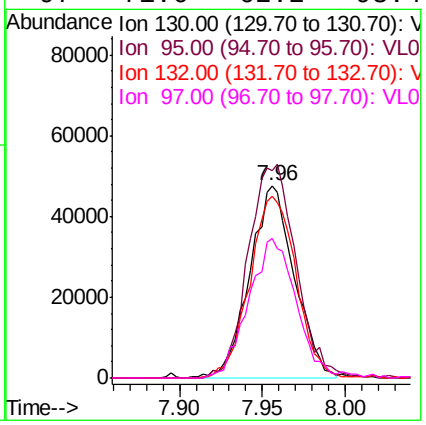


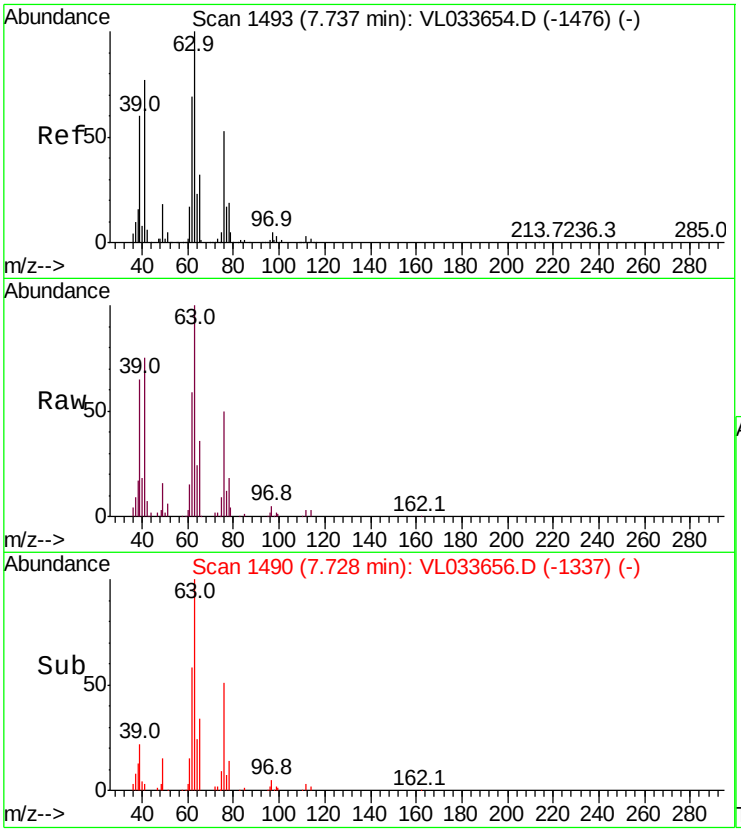


#38
Trichloroethene
Concen: 1.045 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:130 Resp: 89615

Ion	Ratio	Lower	Upper
130	100		
95	106.1	93.4	140.0
132	92.9	76.2	114.4
97	71.6	62.2	93.4



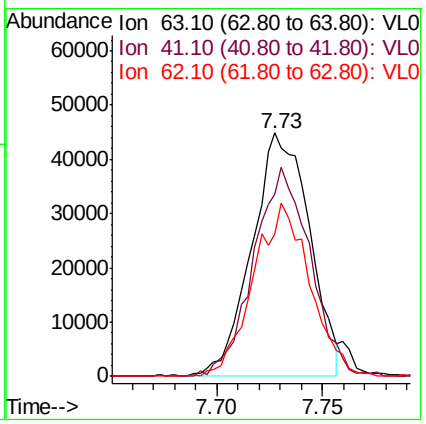


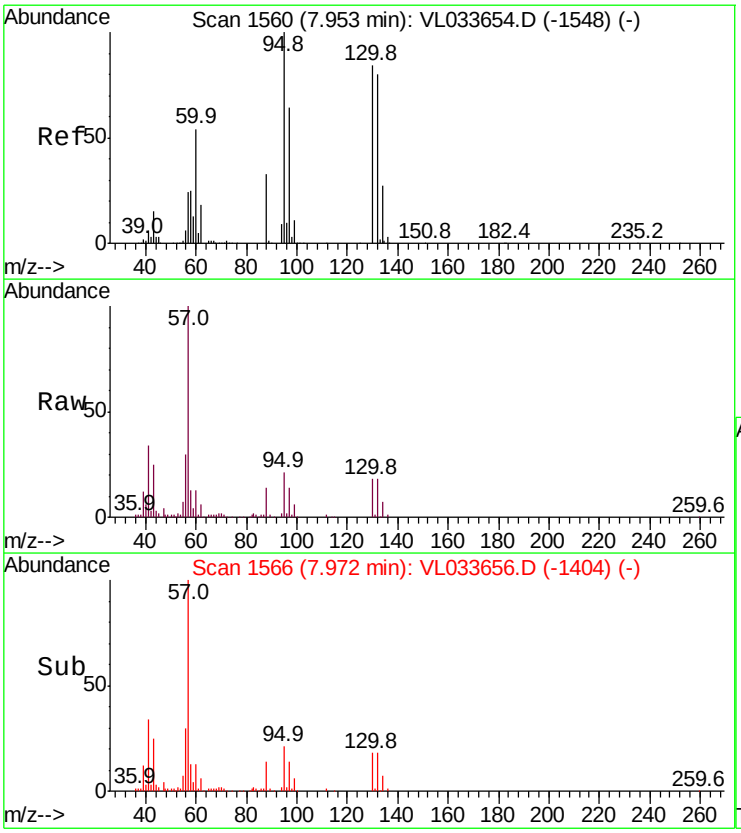
#39
1,2-Dichloropropane
Concen: 1.053 ppbv
RT: 7.73 min Scan# 1490
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 85212

Ion	Ratio	Lower	Upper
63	100		
41	74.8	61.6	92.4
62	58.5	55.0	82.6

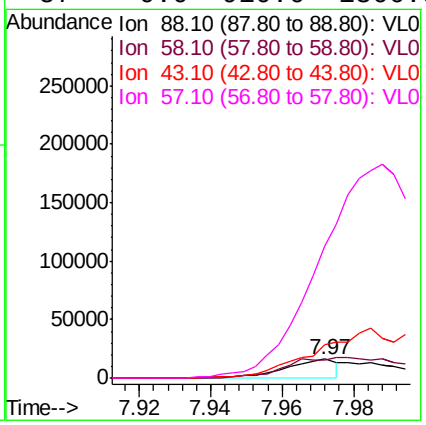


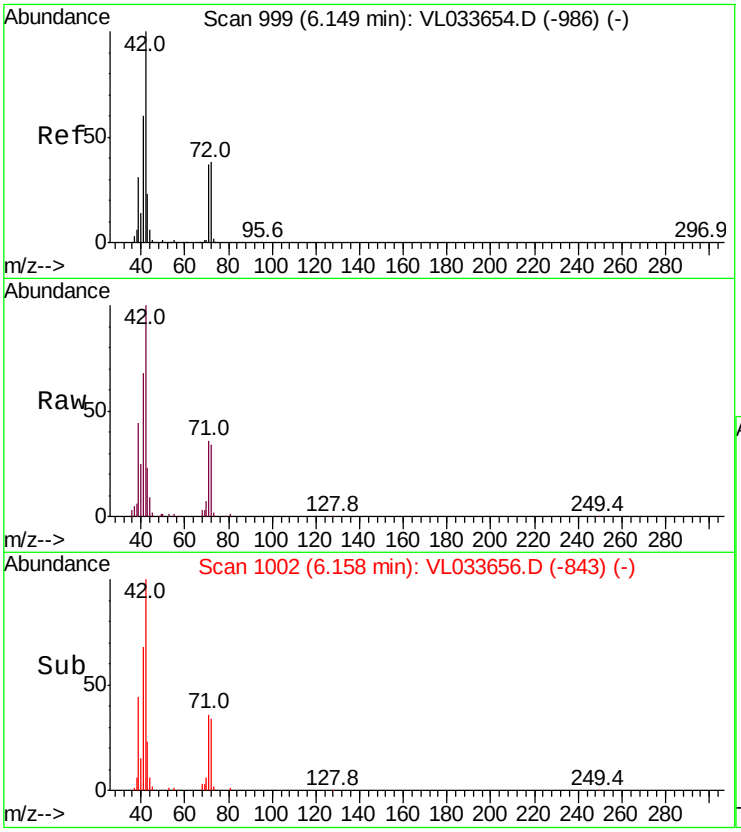


#40
1,4-Dioxane
Concen: 0.496 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. 0.02 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 88 Resp: 16113

Ion	Ratio	Lower	Upper
88	100		
58	0.0	102.3	153.5#
43	0.0	206.1	309.1#
57	0.0	910.6	1366.0#



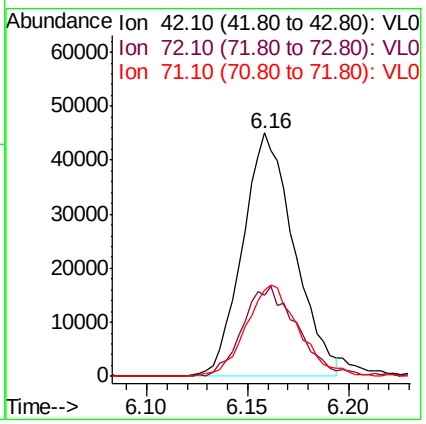


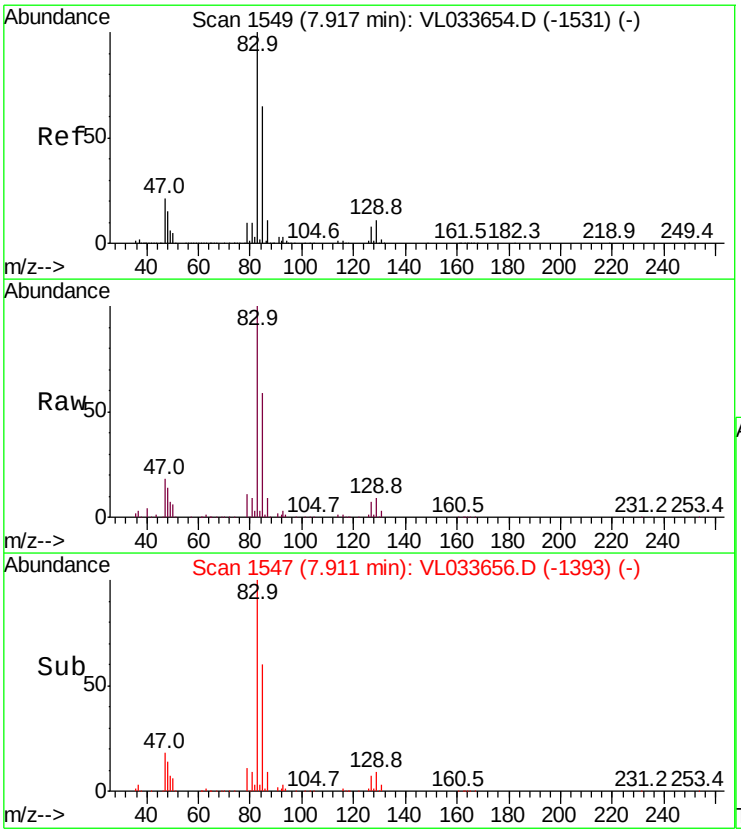
#41
Tetrahydrofuran
Concen: 0.974 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 80627

Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.6	47.4
71	38.6	30.6	45.8

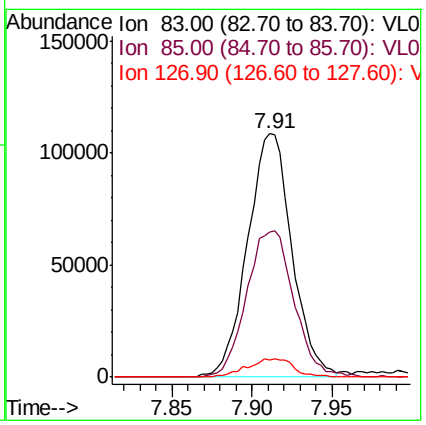


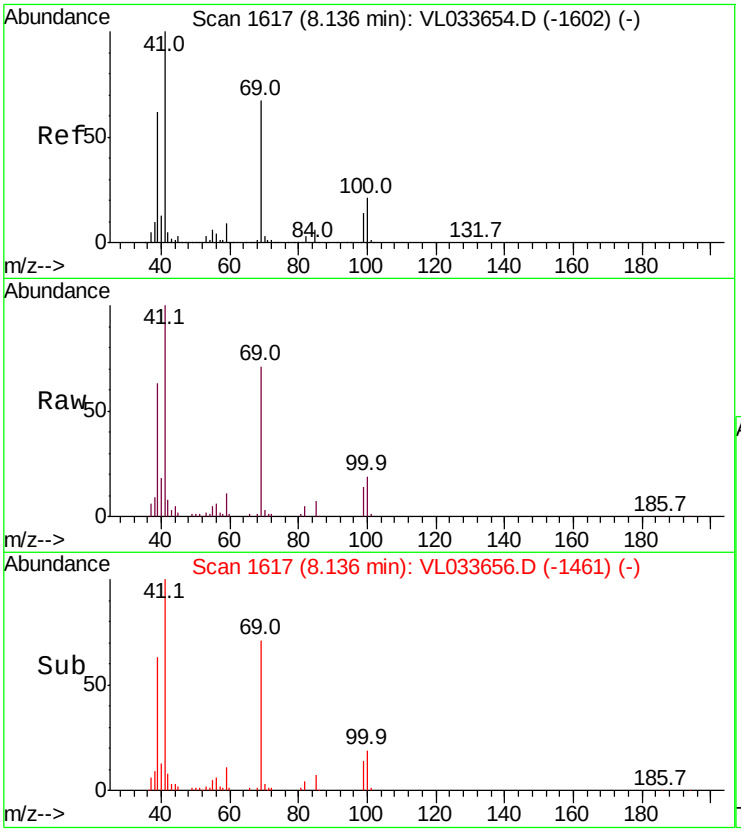


#42
Bromodichloromethane
Concen: 1.066 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 83 Resp: 206902

Ion	Ratio	Lower	Upper
83	100		
85	59.4	52.4	78.6
127	7.2	6.6	9.8



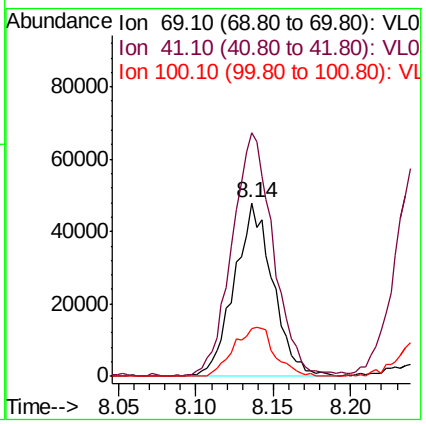


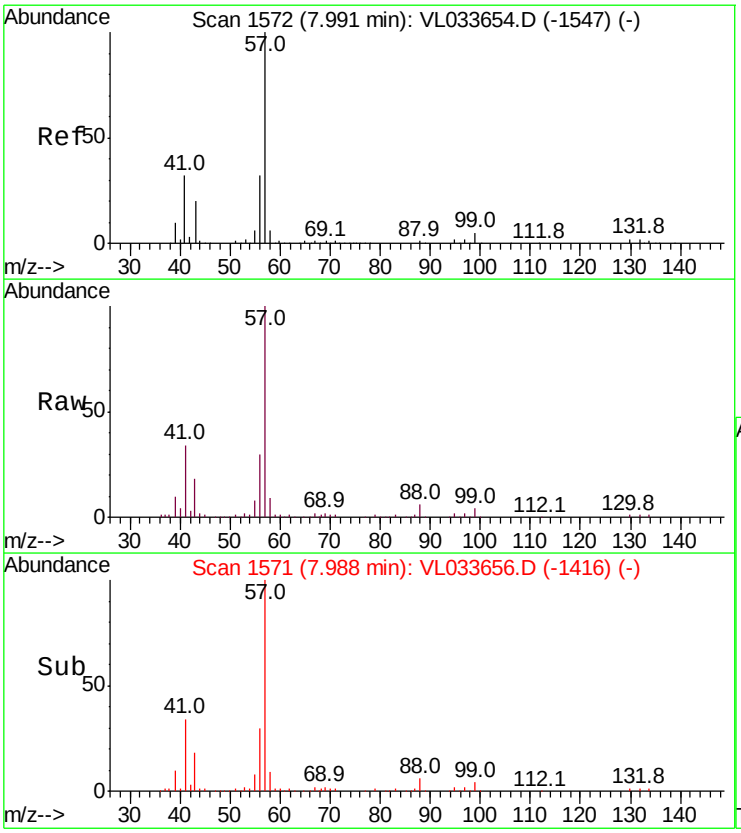
#43
Methyl Methacrylate
Concen: 1.024 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 83320

Ion	Ratio	Lower	Upper
69	100		
41	150.9	116.5	174.7
100	29.8	24.6	37.0

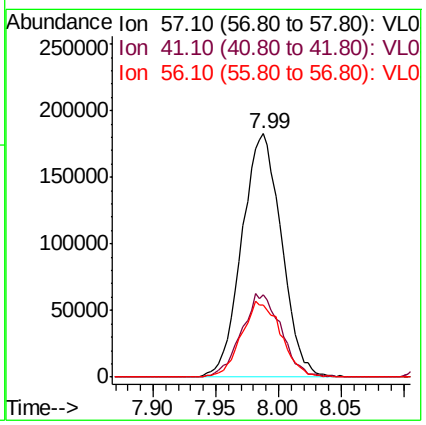


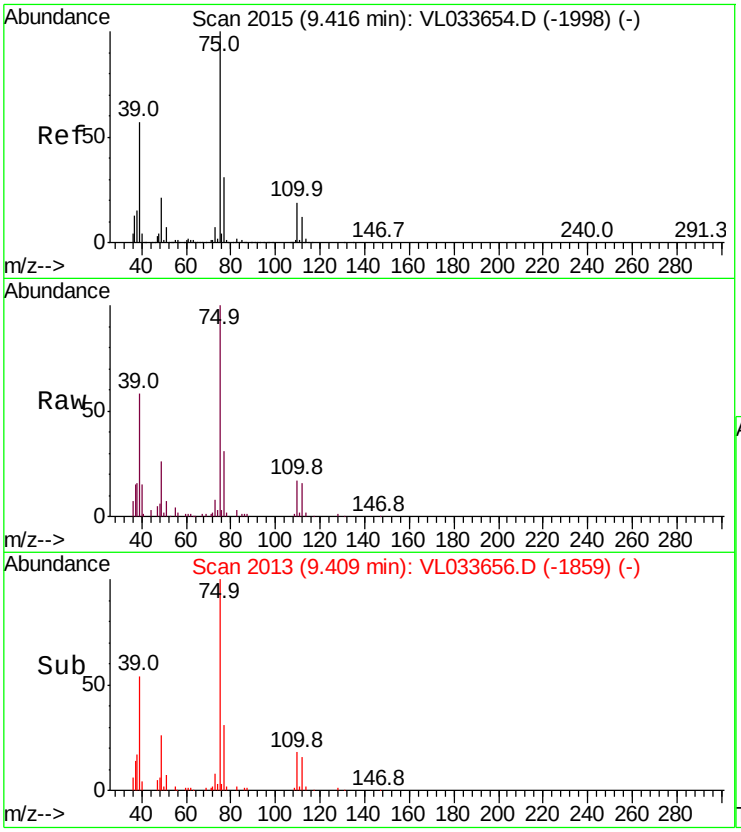


#44
2,2,4-Trimethylpentane
Concen: 1.071 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 57 Resp: 401777

Ion	Ratio	Lower	Upper
57	100		
41	34.6	25.7	38.5
56	30.9	25.0	37.6



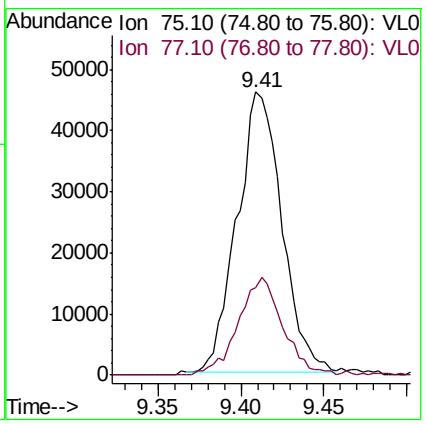


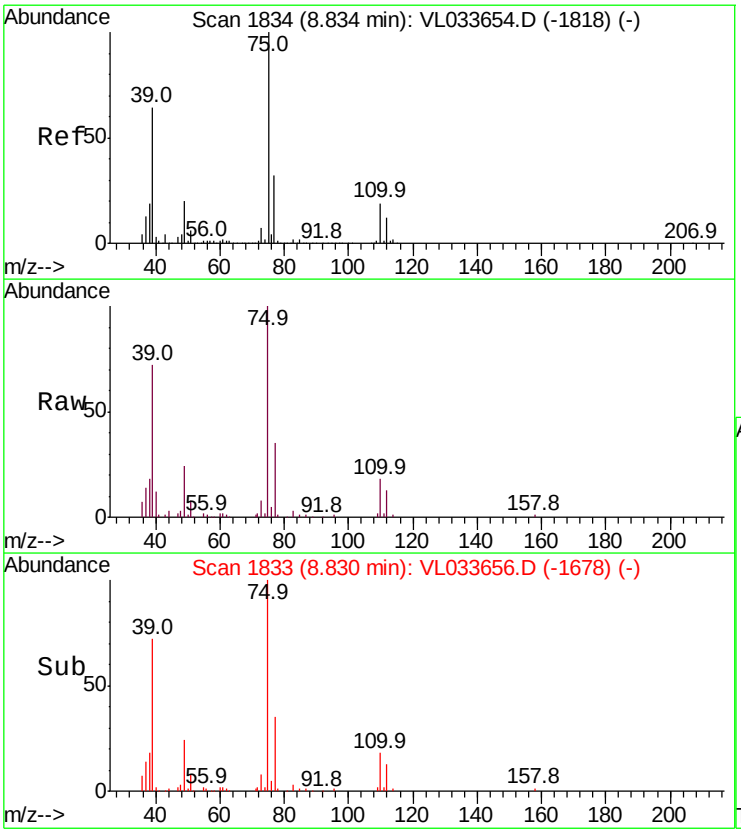
#45
t-1,3-Dichloropropene
Concen: 0.821 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 86269

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.7	37.1

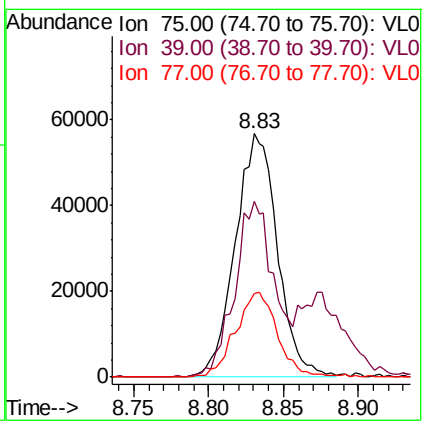


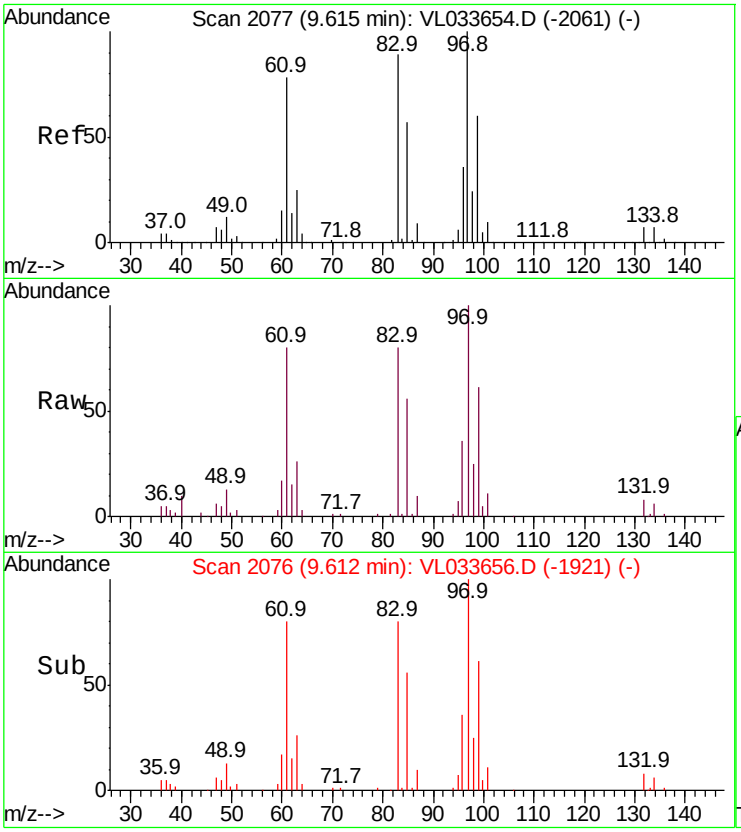


#46
cis-1,3-Dichloropropene
Concen: 0.916 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 75 Resp: 111301

Ion	Ratio	Lower	Upper
75	100		
39	71.6	51.5	77.3
77	34.5	25.4	38.0



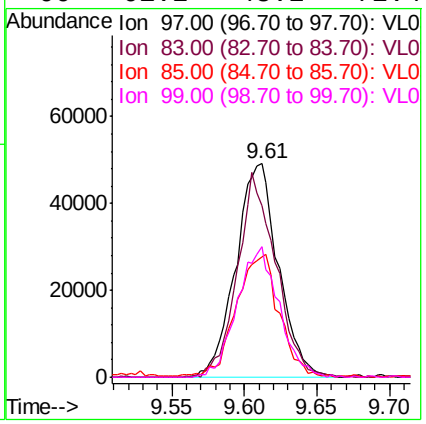


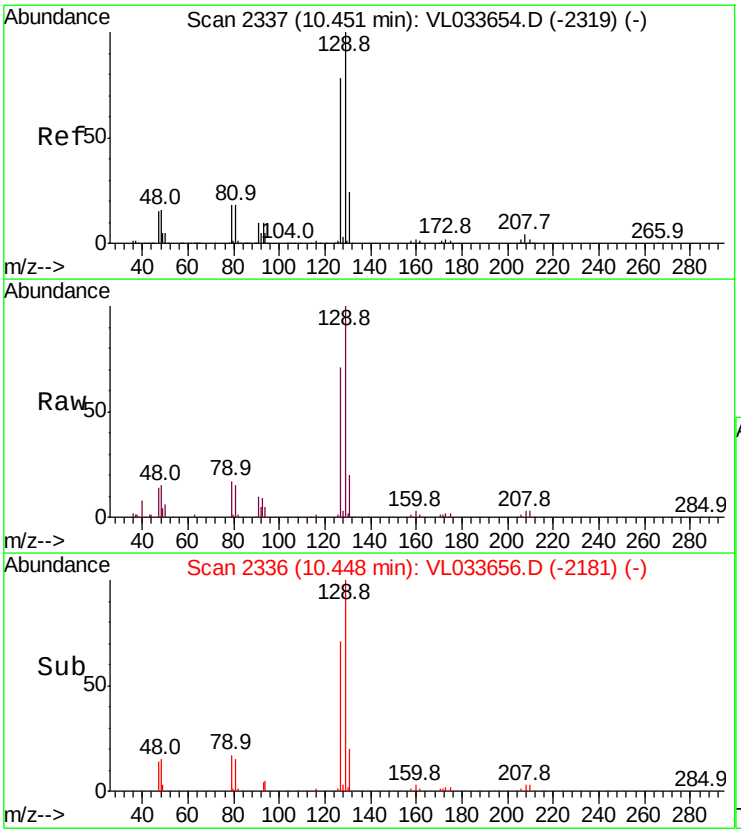
#47
1,1,2-Trichloroethane
Concen: 1.048 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 100234

Ion	Ratio	Lower	Upper
97	100		
83	79.7	70.9	106.3
85	56.4	45.8	68.6
99	61.2	48.2	72.4

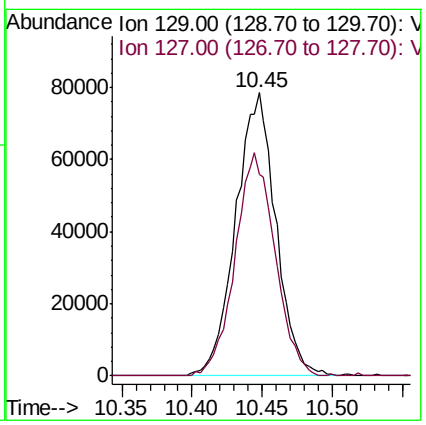


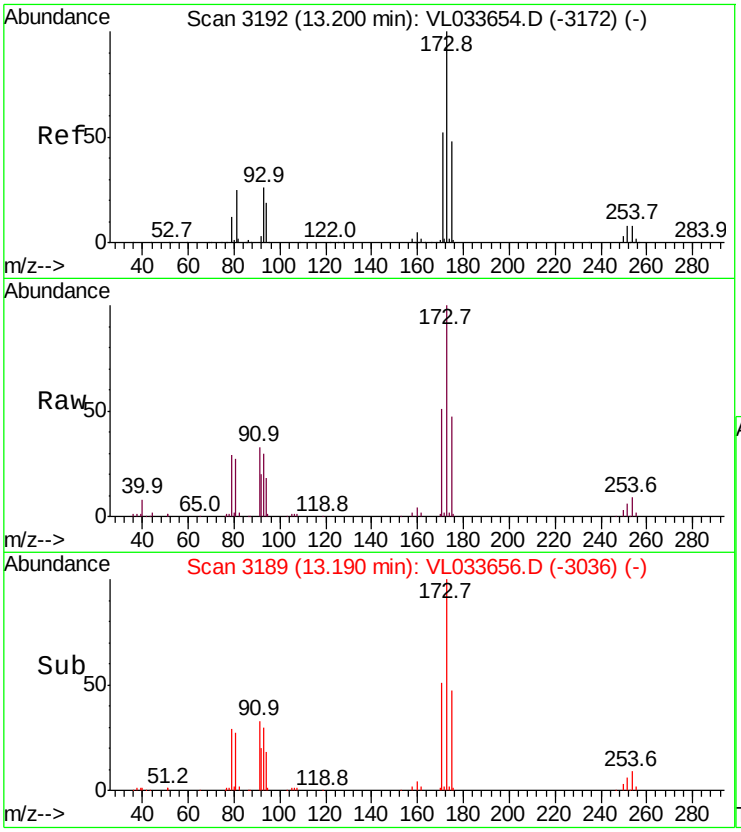


#48
Dibromochloromethane
Concen: 0.975 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:129 Resp: 156600

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.2



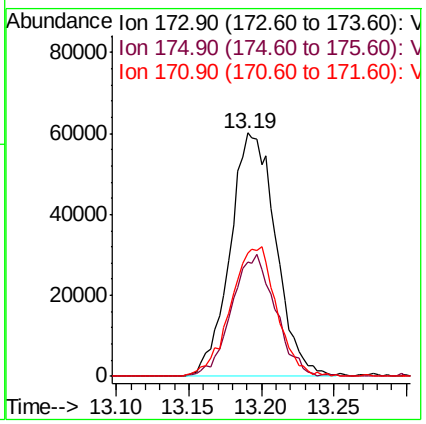


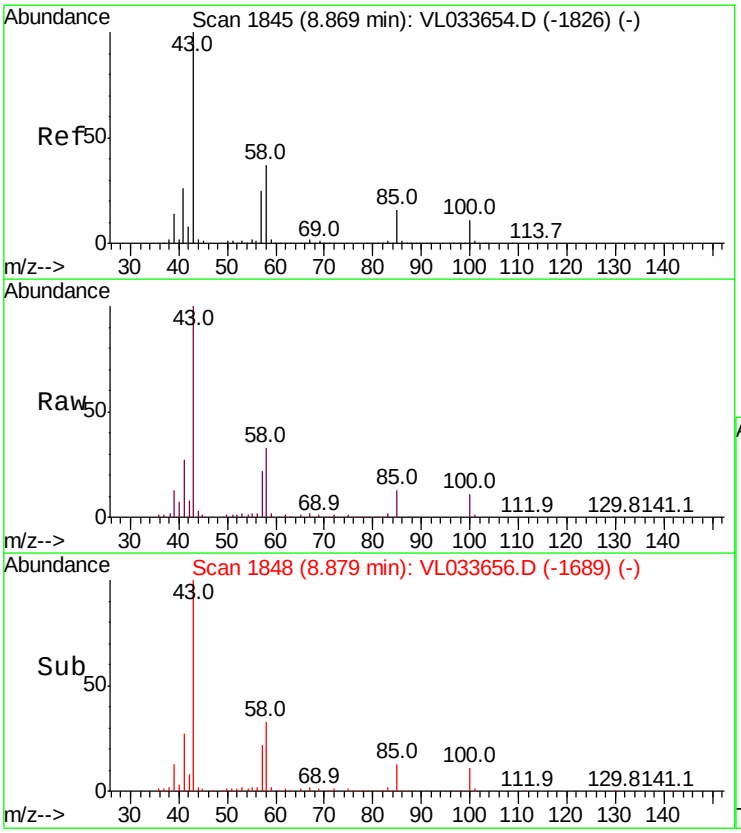
#49
Bromoform
Concen: 0.957 ppbv
RT: 13.19 min Scan# 3189
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 131916

Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.3	58.9
171	53.5	41.5	62.3

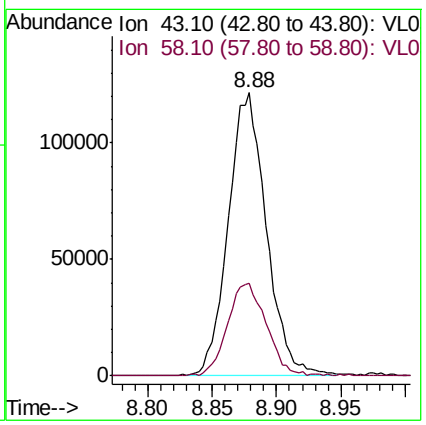


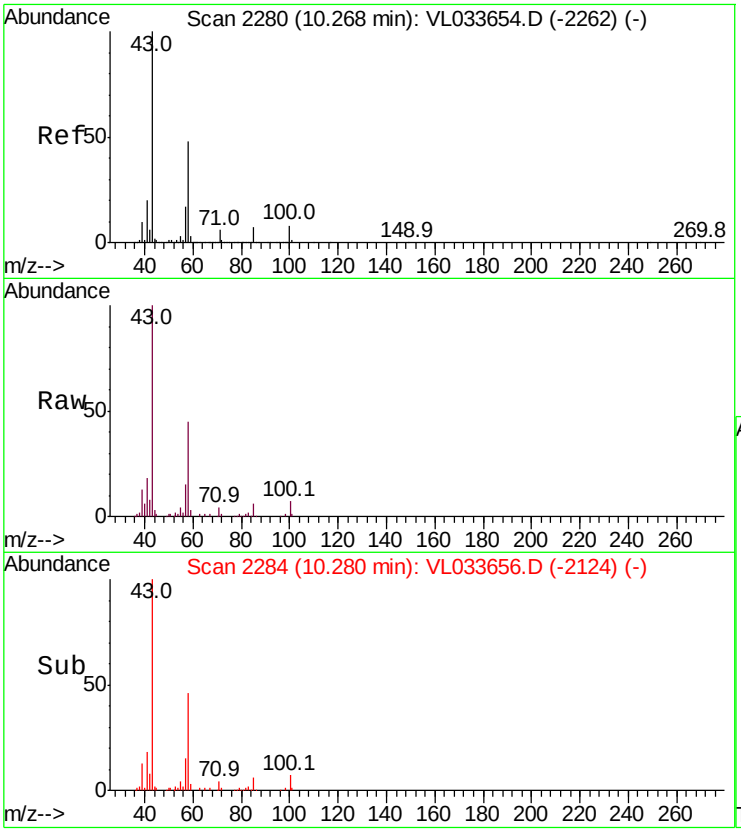


#50
4-Methyl-2-Pentanone
Concen: 1.022 ppbv
RT: 8.88 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 43 Resp: 247245

Ion	Ratio	Lower	Upper
43	100		
58	34.1	28.8	43.2



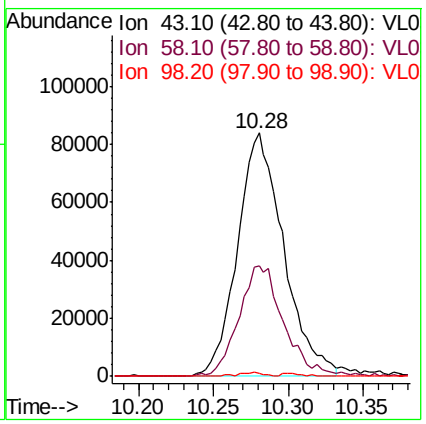


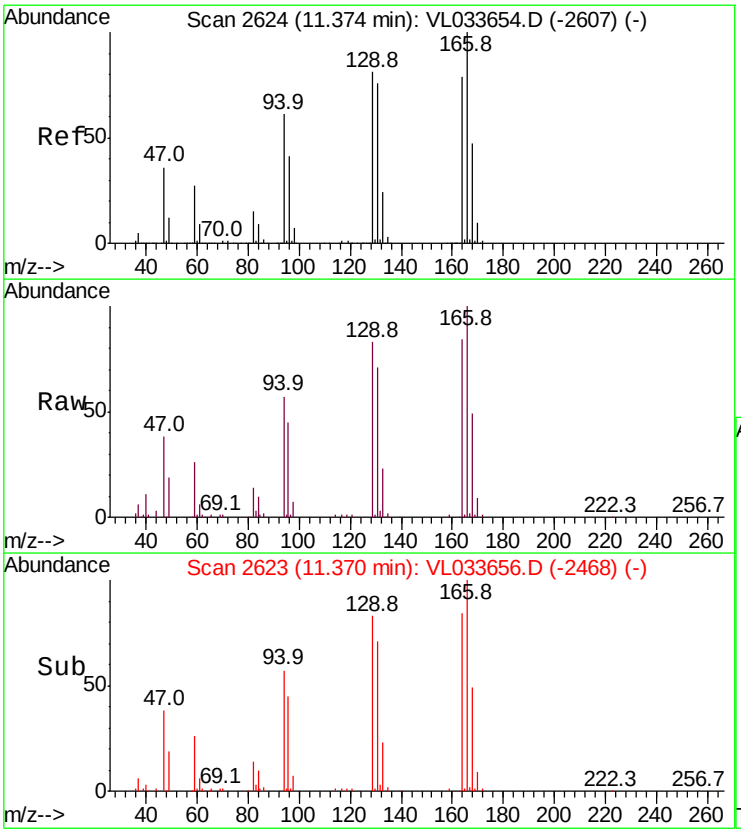
#51
2-Hexanone
Concen: 0.950 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 180323

Ion	Ratio	Lower	Upper
43	100		
58	44.9	38.2	57.4
98	0.9	0.2	0.4#

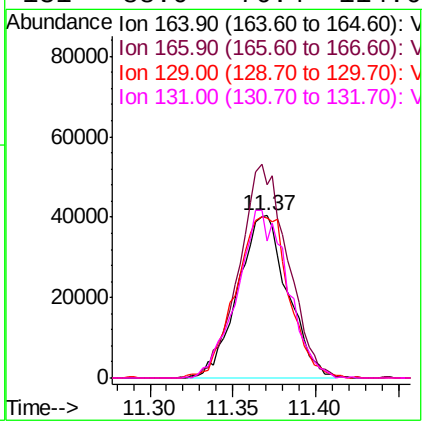


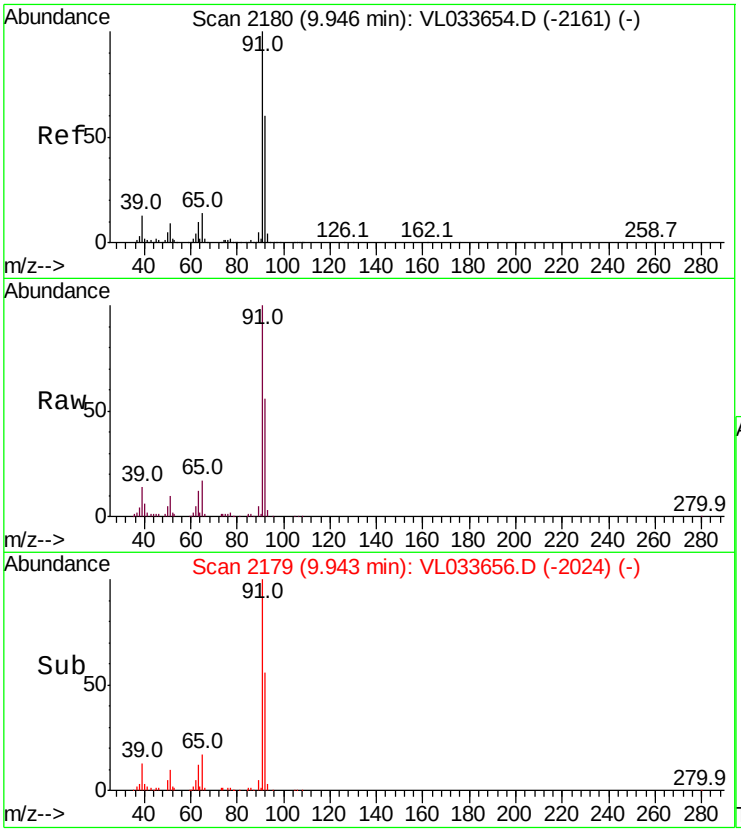


#52
Tetrachloroethene
Concen: 1.032 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:164 Resp: 84389

Ion	Ratio	Lower	Upper
164	100		
166	119.0	100.6	151.0
129	97.2	81.0	121.6
131	88.0	76.4	114.6



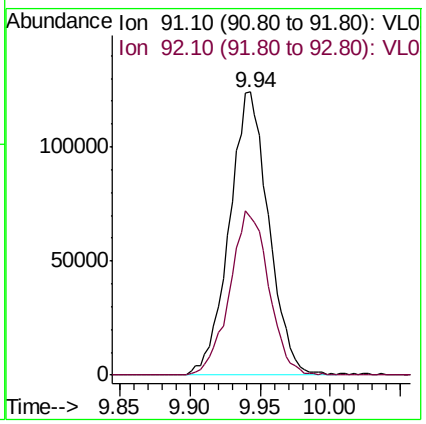


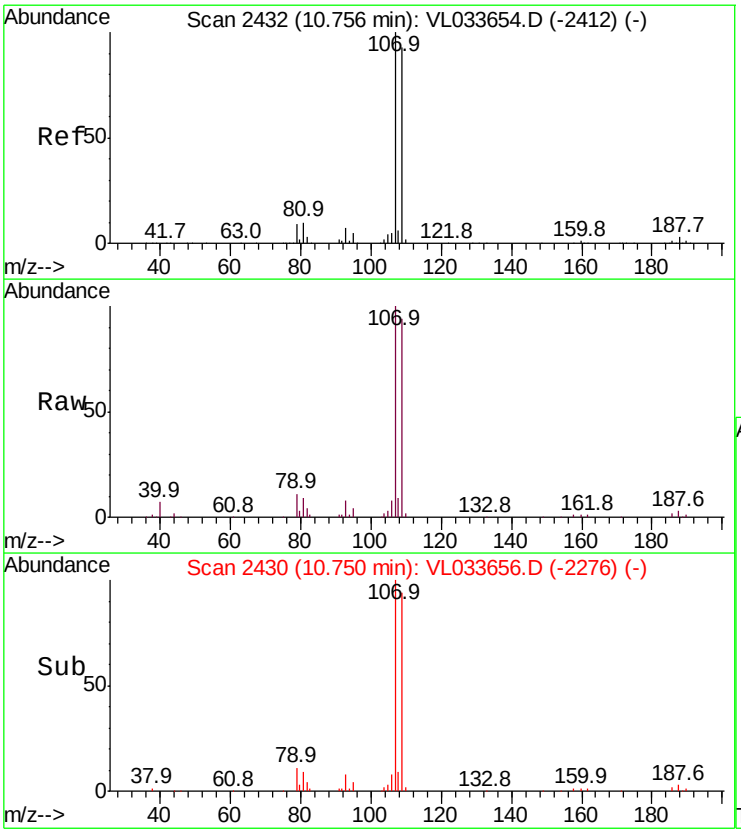
#53
Toluene
Concen: 0.996 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 242614

Ion	Ratio	Lower	Upper
91	100		
92	57.5	47.8	71.6

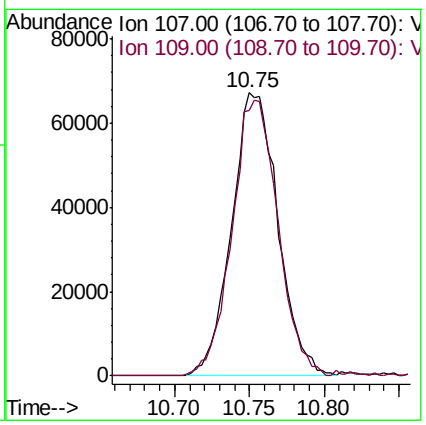


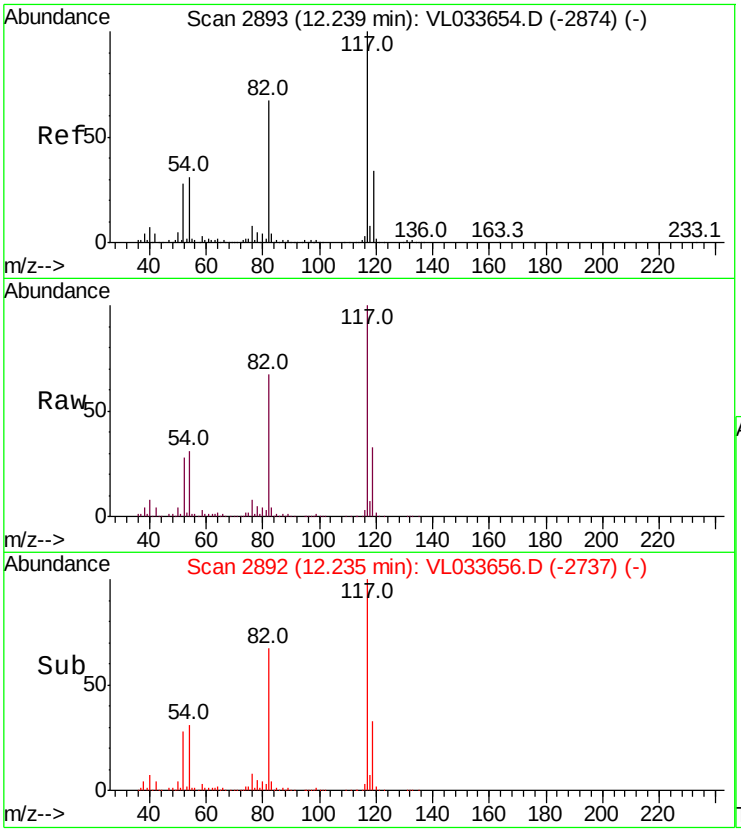


#54
1,2-Dibromoethane
Concen: 1.014 ppbv
RT: 10.75 min Scan# 2430
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:107 Resp: 144979

Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.6	111.8



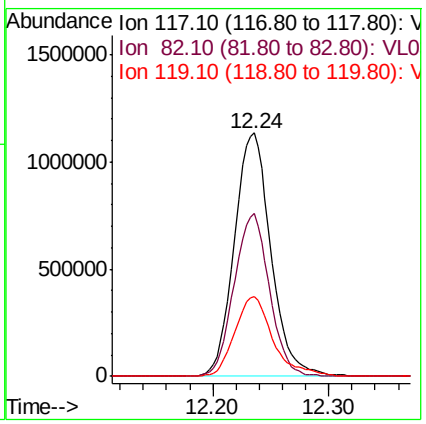


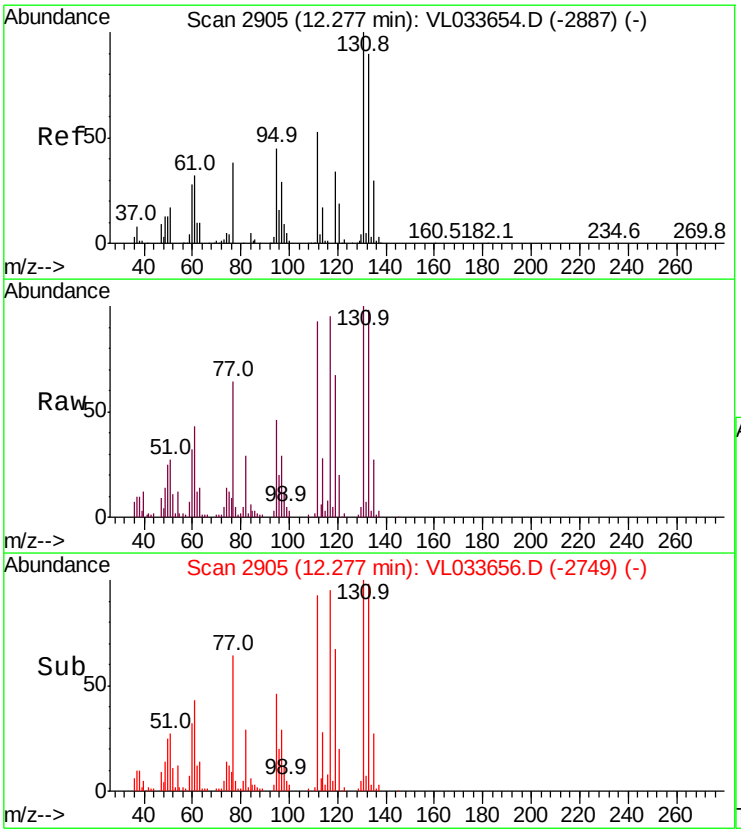
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2479289

Ion	Ratio	Lower	Upper
117	100		
82	64.8	49.7	74.5
119	34.3	23.3	34.9

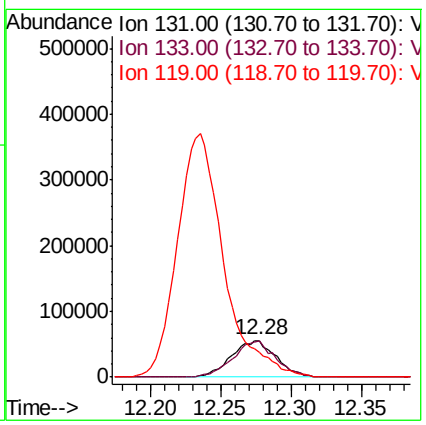


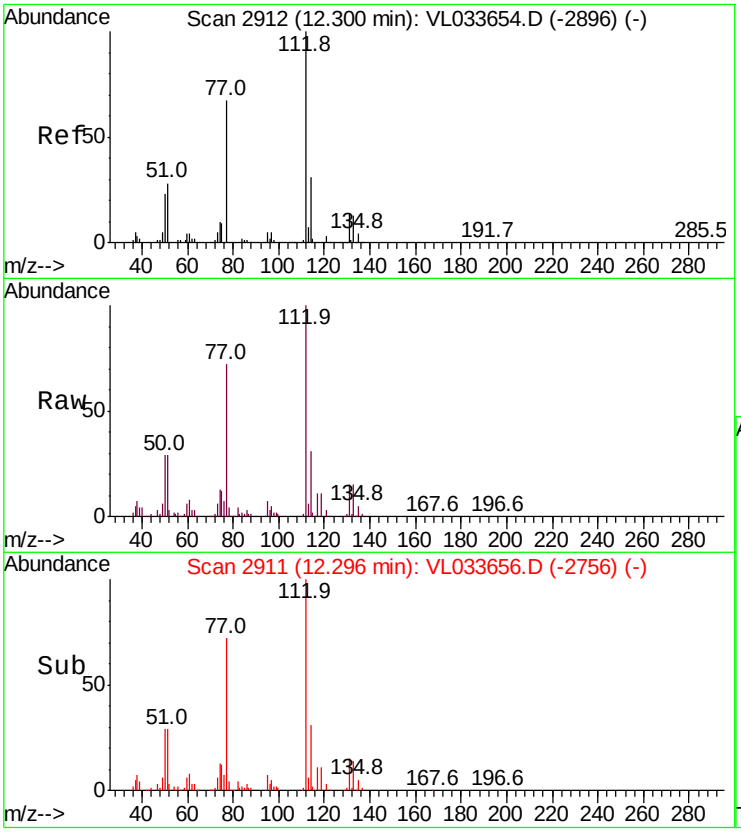


#56
1,1,1,2-Tetrachloroethane
Concen: 1.132 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:131 Resp: 122915

Ion	Ratio	Lower	Upper
131	100		
133	94.4	76.1	114.1
119	692.4	49.4	74.0#



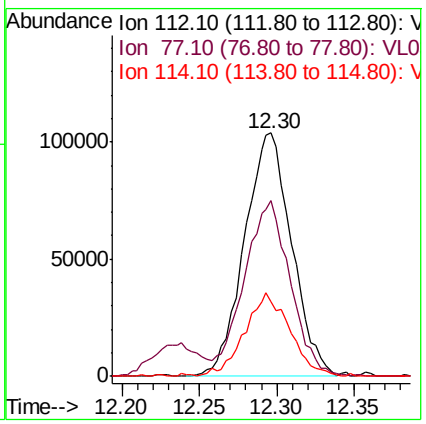


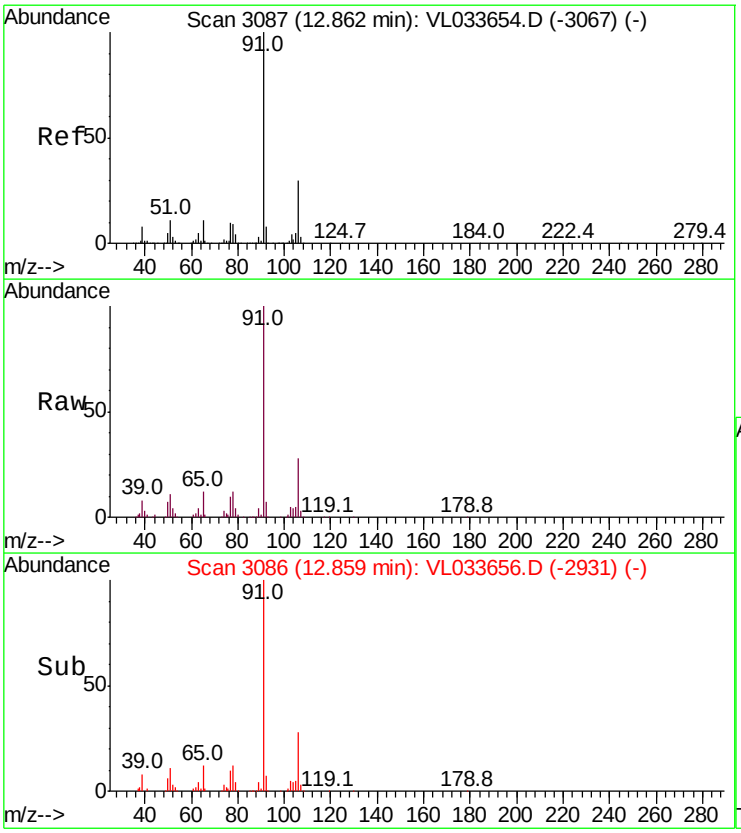
#57
Chlorobenzene
Concen: 1.137 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 219984

Ion	Ratio	Lower	Upper
112	100		
77	71.0	54.4	81.6
114	30.1	28.2	34.4

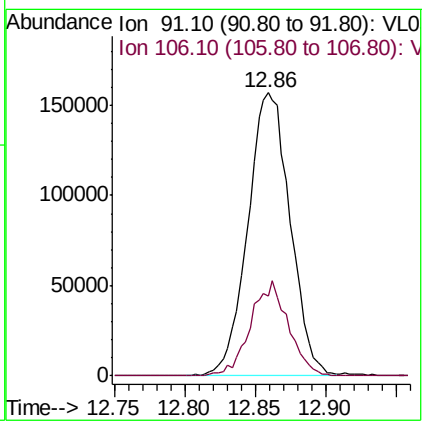


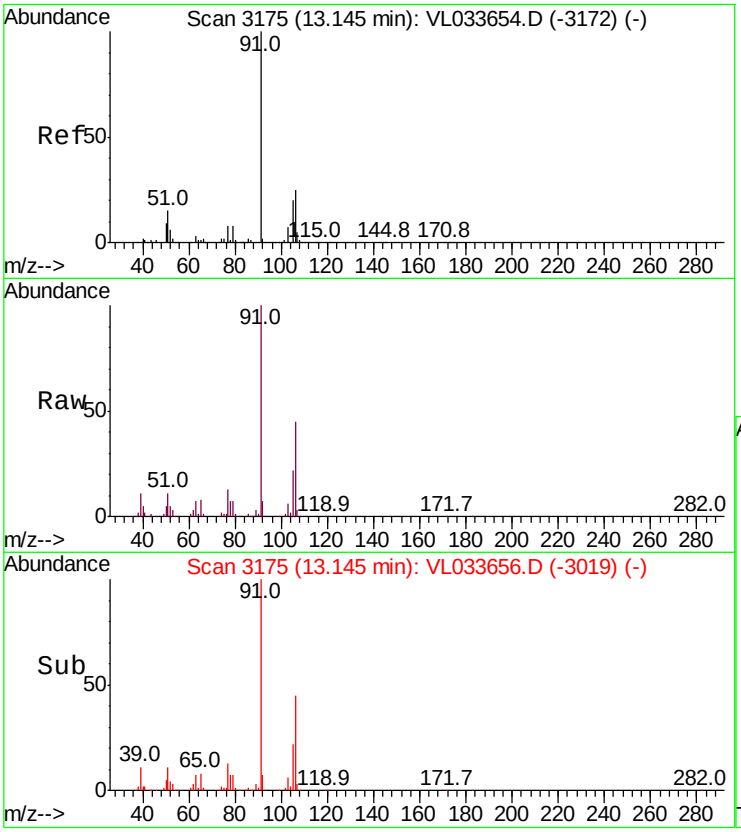


#58
Ethyl Benzene
Concen: 1.056 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 91 Resp: 328638

Ion	Ratio	Lower	Upper
91	100		
106	28.3	23.7	35.5



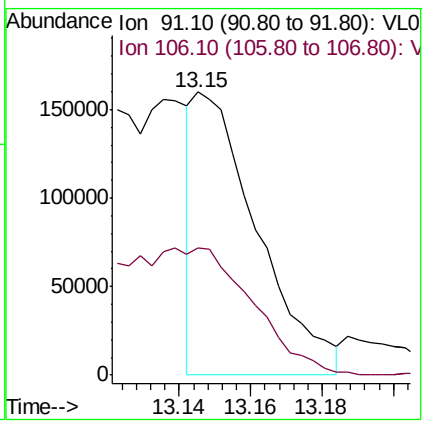


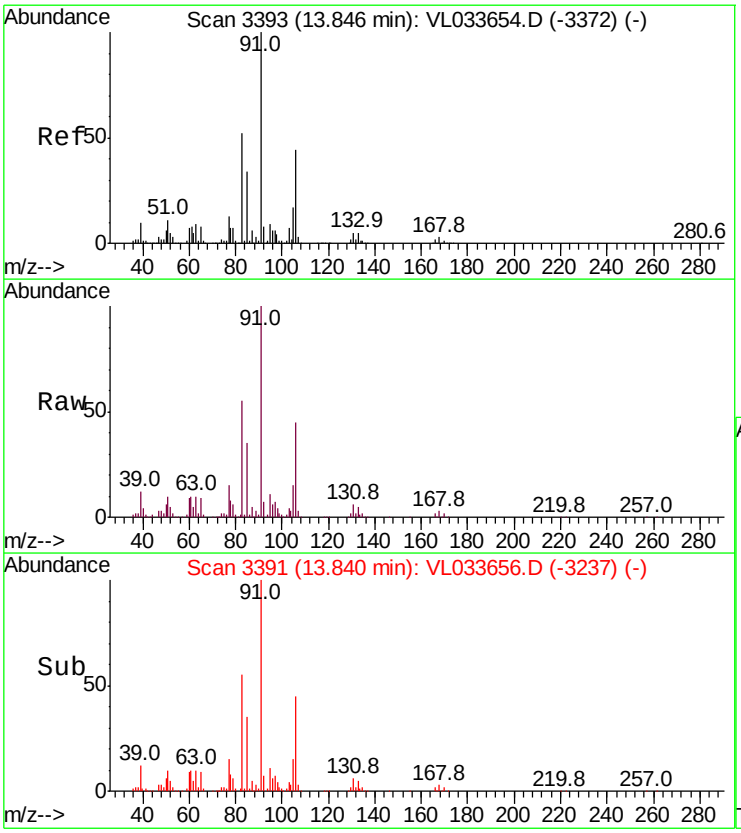
#59
m/p-Xylene
Concen: 0.729 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 195446

Ion	Ratio	Lower	Upper
91	100		
106	134.0	35.9	53.9#

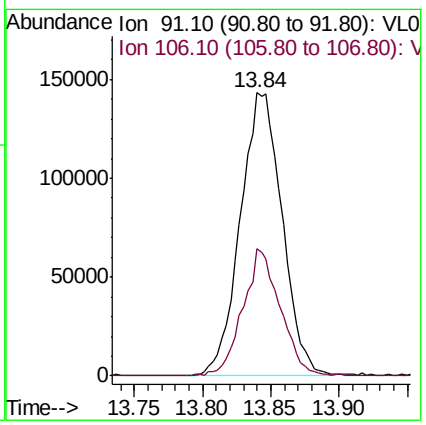


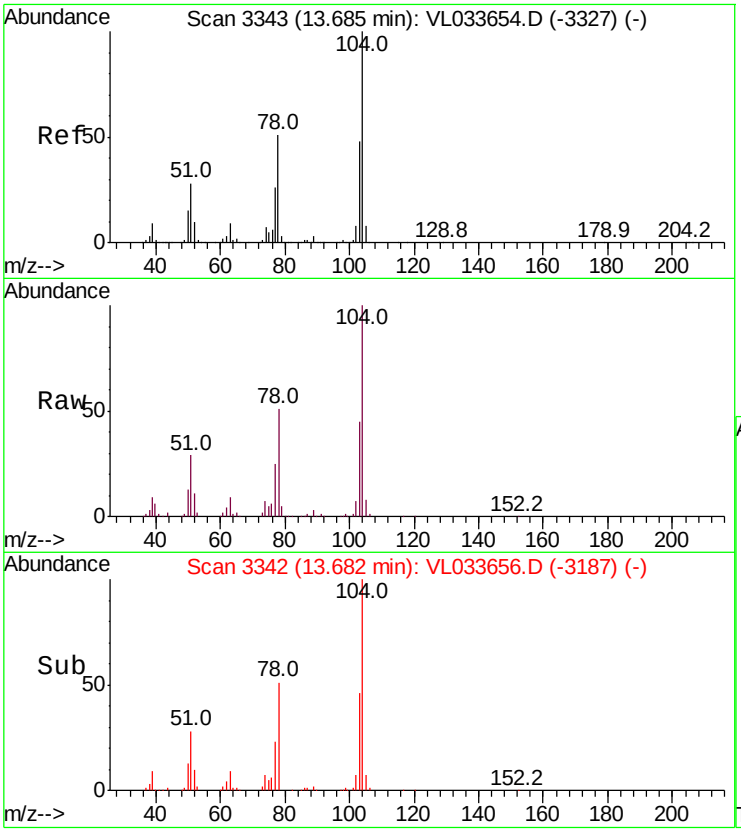


#60
o-Xylene
Concen: 1.131 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 91 Resp: 305270

Ion	Ratio	Lower	Upper
91	100		
106	40.2	21.7	65.1



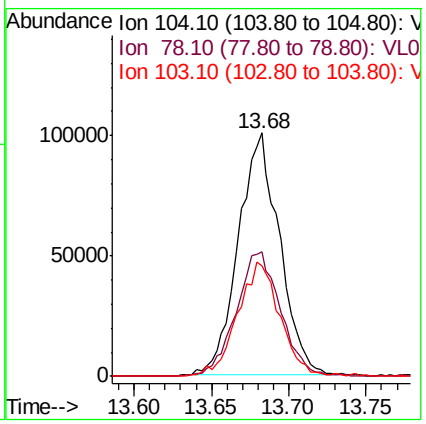


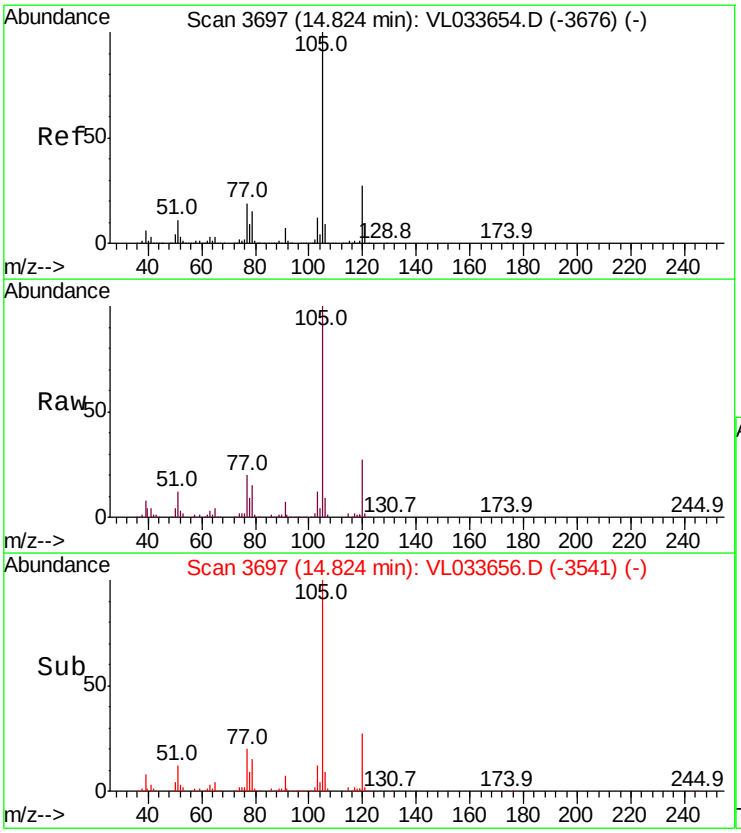
#61
Stvrene
Concen: 1.008 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 186611

Ion	Ratio	Lower	Upper
104	100		
78	55.5	43.0	64.6
103	48.8	38.1	57.1

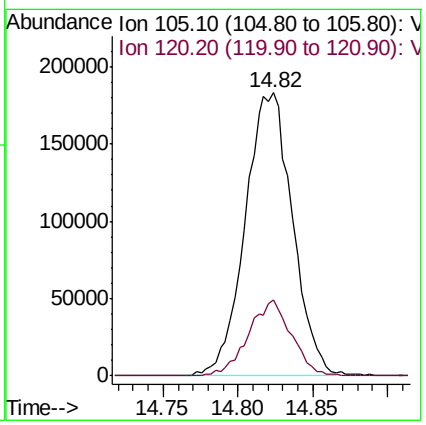


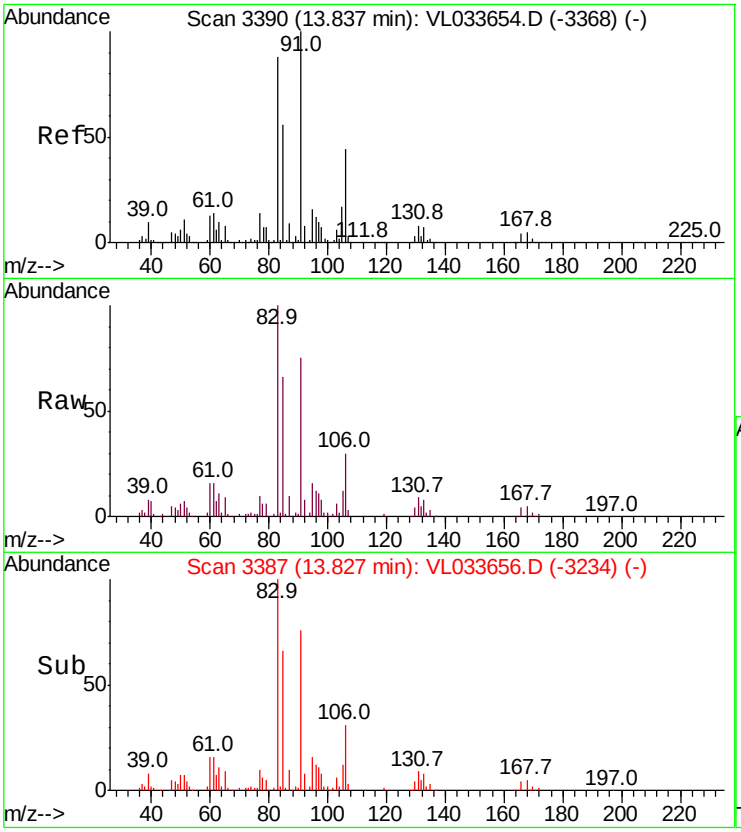


#62
Isopropylbenzene
Concen: 1.119 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:105 Resp: 402281

Ion	Ratio	Lower	Upper
105	100		
120	24.5	20.5	30.7



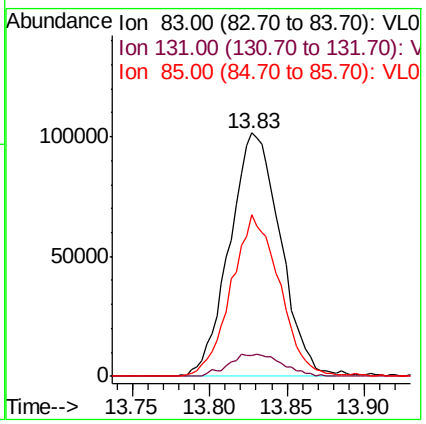


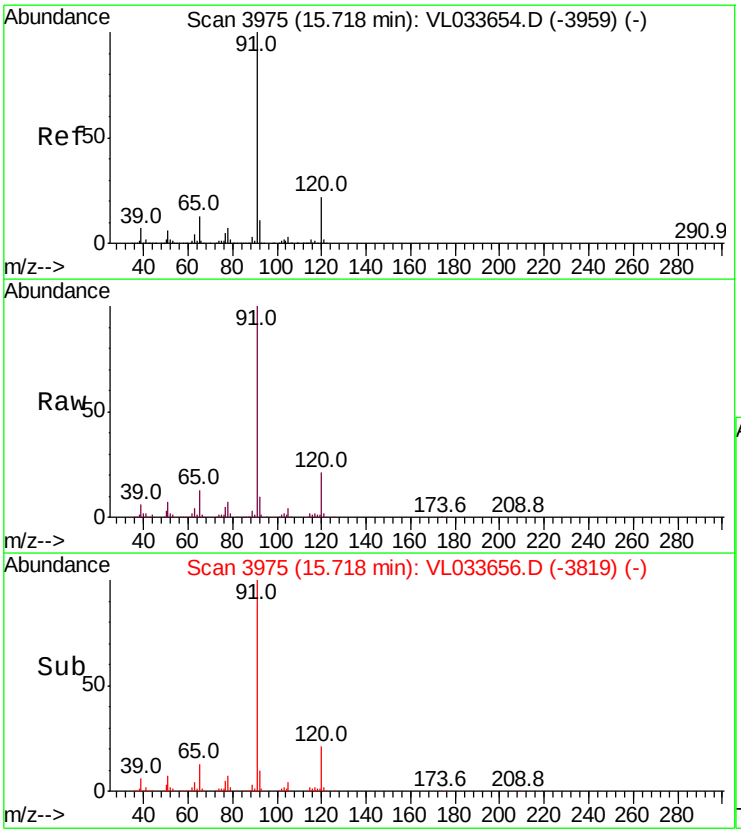
#63
1,1,2,2-Tetrachloroethane
Concen: 1.132 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 231131

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	63.6	32.5	97.5

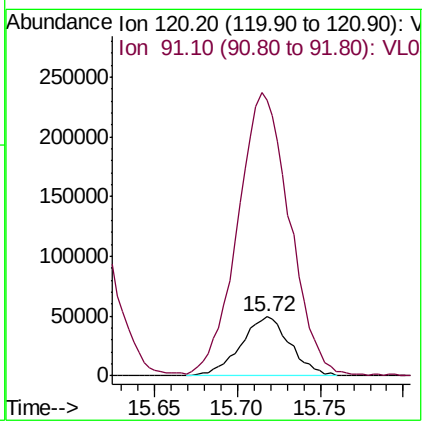


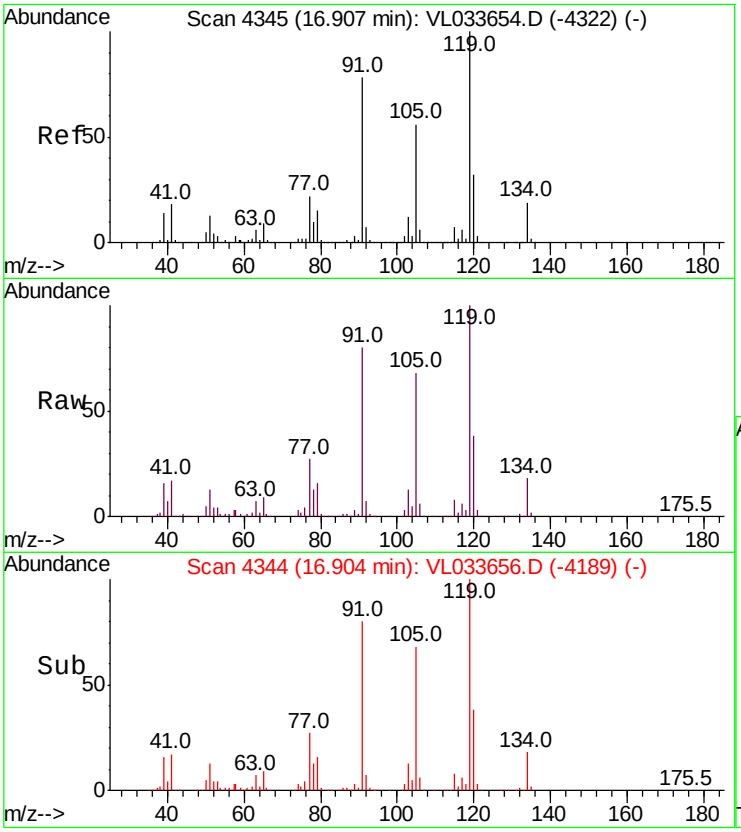


#64
n-propylbenzene
Concen: 1.093 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:120 Resp: 102224

Ion	Ratio	Lower	Upper
120	100		
91	510.8	379.4	569.2



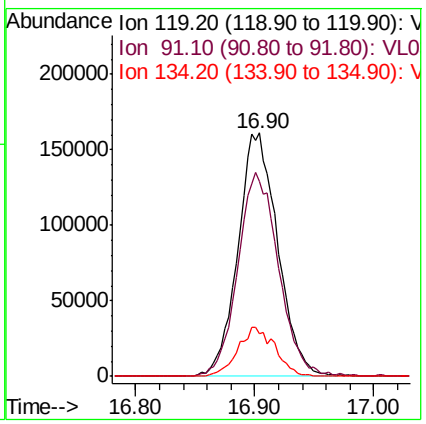


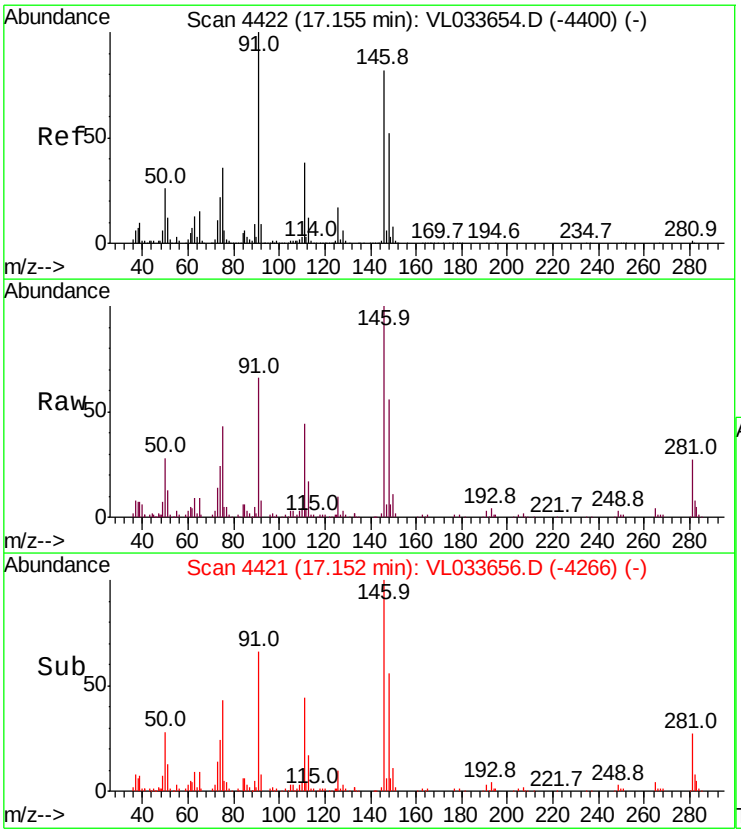
#65
tert-Butylbenzene
Concen: 1.107 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 372643

Ion	Ratio	Lower	Upper
119	100		
91	85.9	65.9	98.9
134	18.8	15.5	23.3

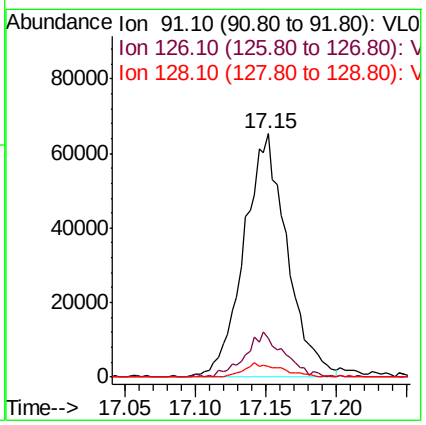


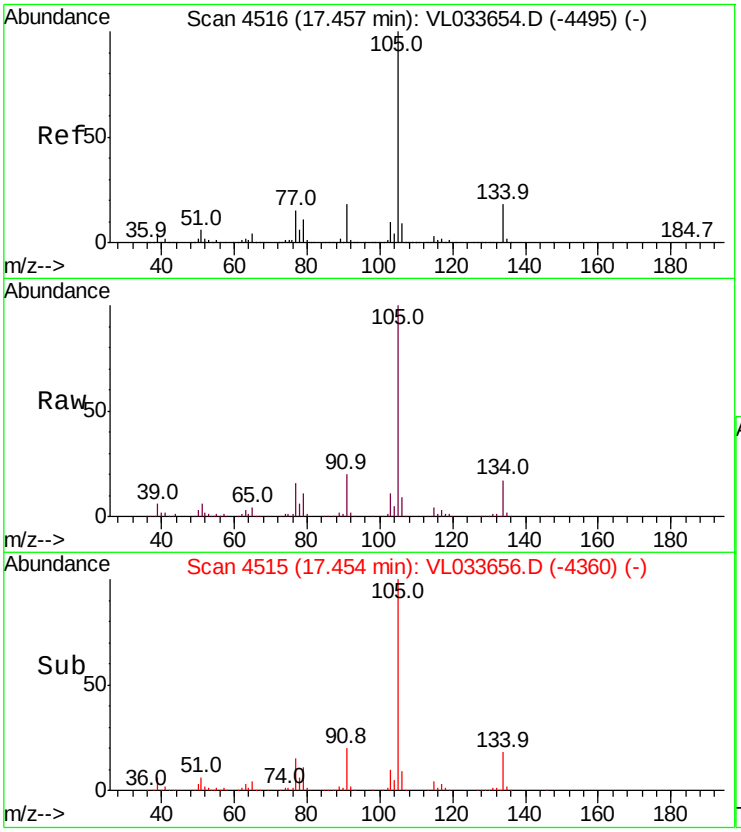


#66
Benzyl Chloride
Concen: 0.891 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 91 Resp: 138371

Ion	Ratio	Lower	Upper
91	100		
126	17.1	13.4	20.2
128	5.1	4.4	6.6



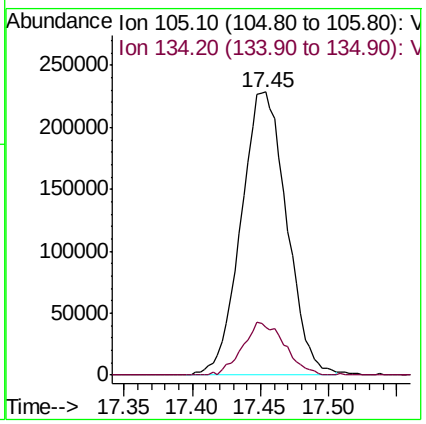


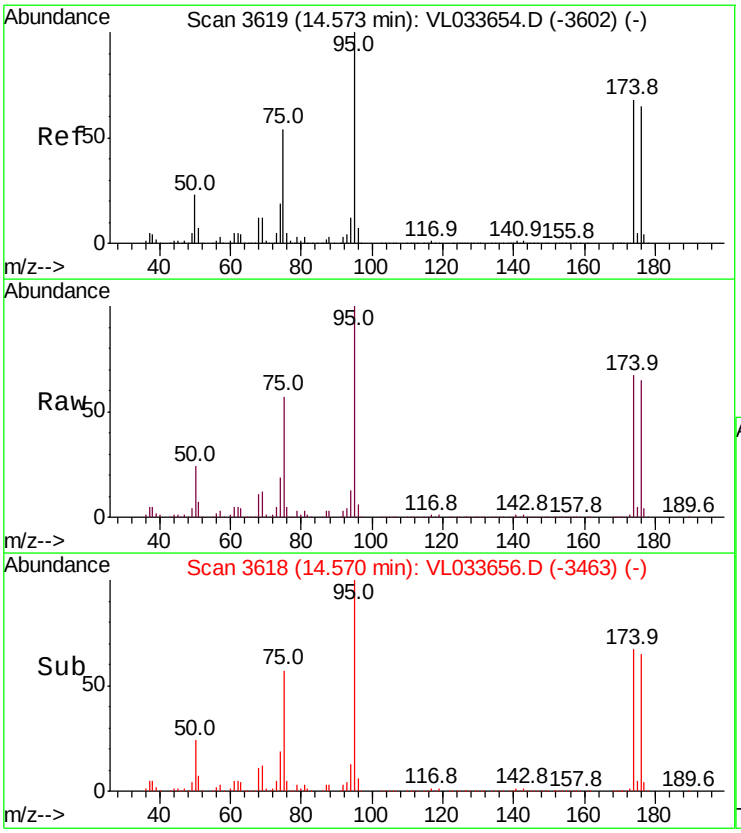
#67
sec-Butylbenzene
Concen: 1.123 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 530150

Ion	Ratio	Lower	Upper
105	100		
134	17.3	14.6	22.0

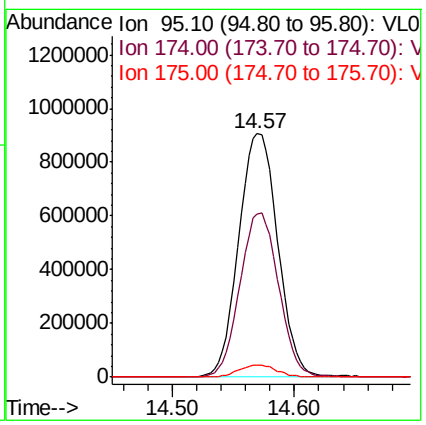


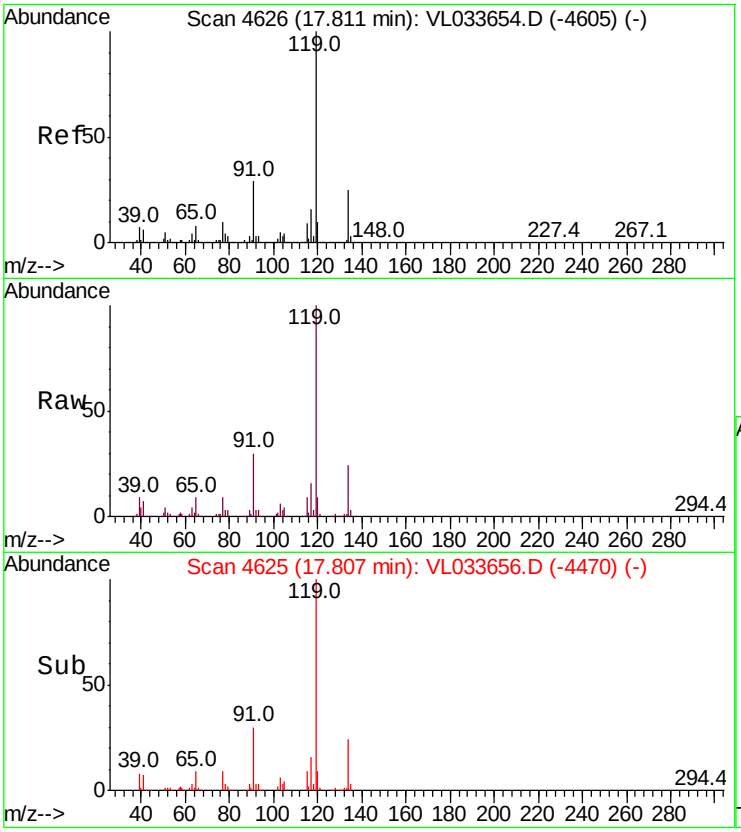


#68
1-Bromo-4-Fluorobenzene
Concen: 10.129 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 95 Resp: 2005092

Ion	Ratio	Lower	Upper
95	100		
174	67.0	54.0	81.0
175	4.9	3.8	5.8



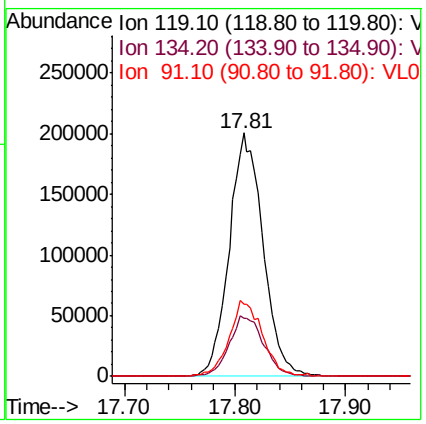


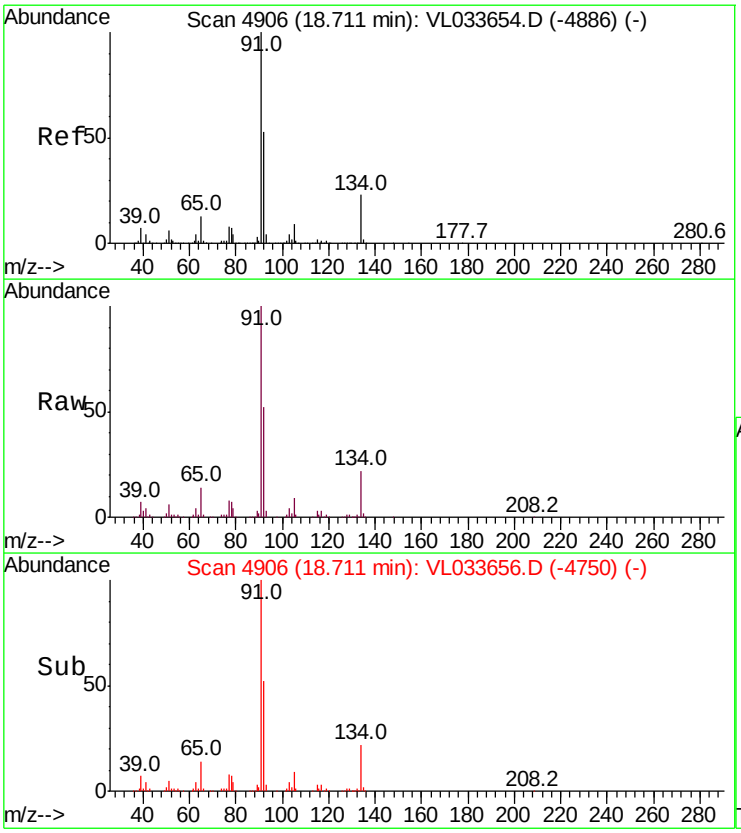
#69
p-Isopropyltoluene
Concen: 1.083 ppbv
RT: 17.81 min Scan# 4625
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 425356

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.2
91	30.8	23.3	34.9

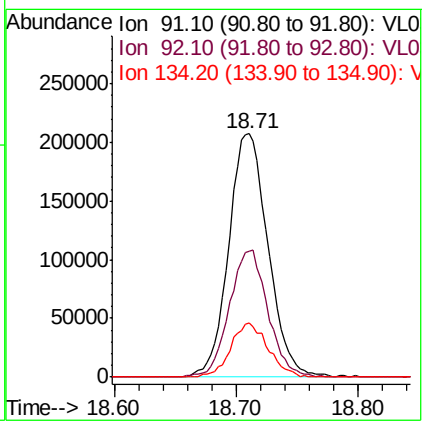


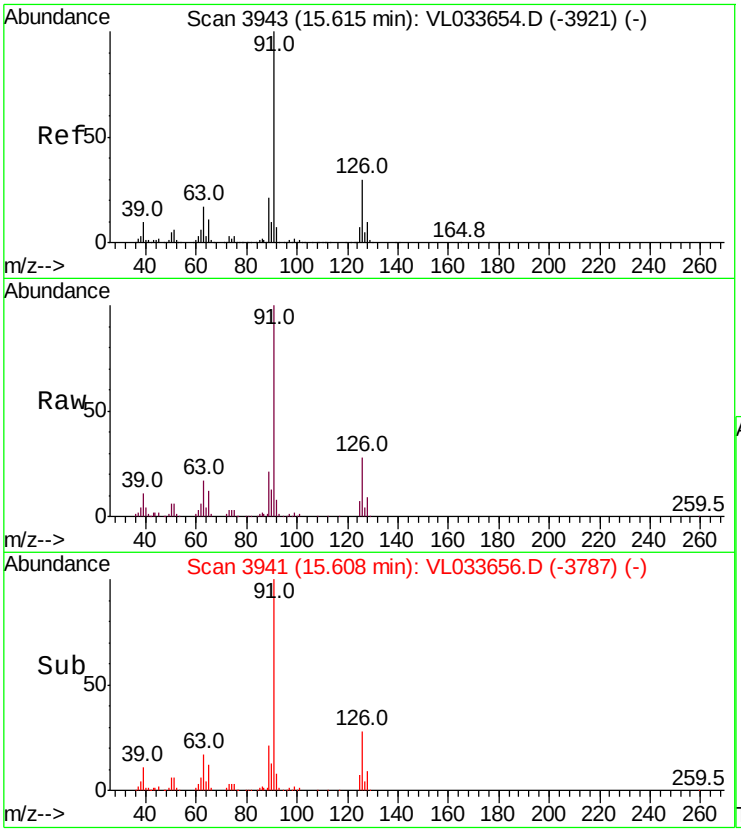


#70
n-Butylbenzene
Concen: 1.074 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion: 91 Resp: 459686

Ion	Ratio	Lower	Upper
91	100		
92	51.6	42.5	63.7
134	21.3	18.0	27.0



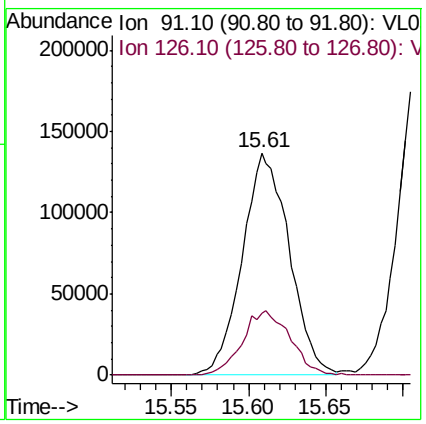


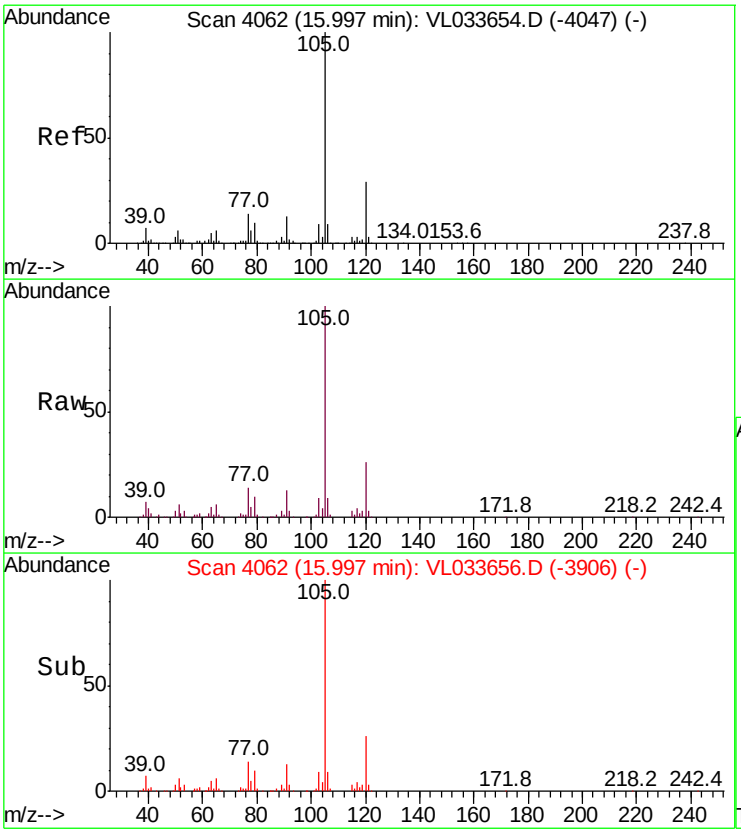
#71
2-Chlorotoluene
Concen: 1.070 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 288889

Ion	Ratio	Lower	Upper
91	100		
126	29.5	12.0	47.8

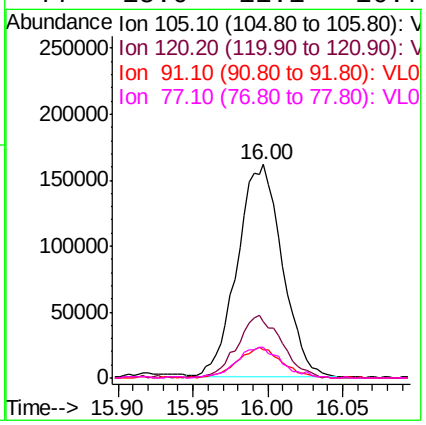


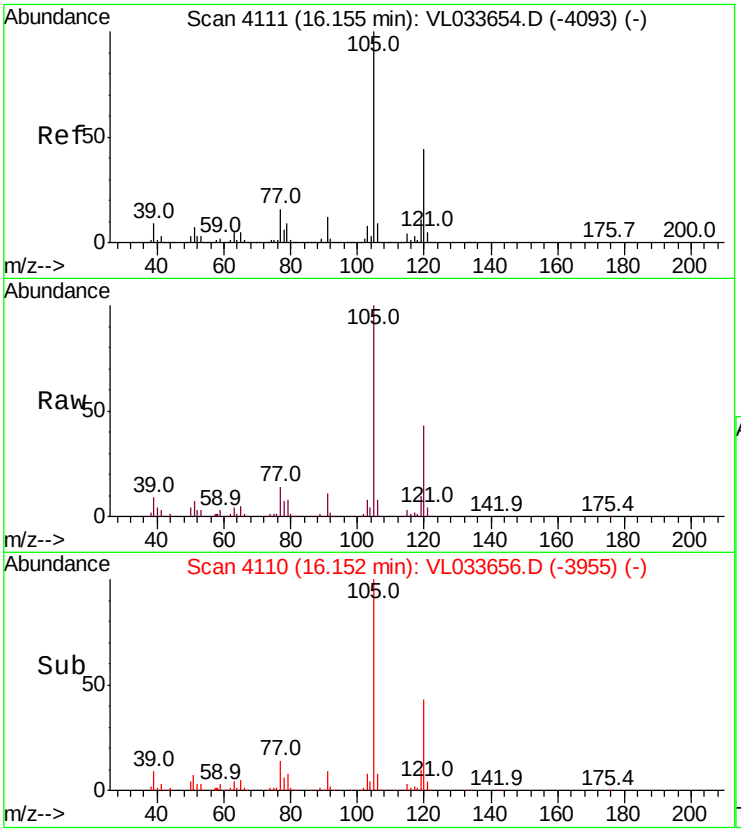


#72
4-Ethyltoluene
Concen: 1.086 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:105 Resp: 335362

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.0	34.6
91	14.9	10.6	15.8
77	15.0	11.1	16.7



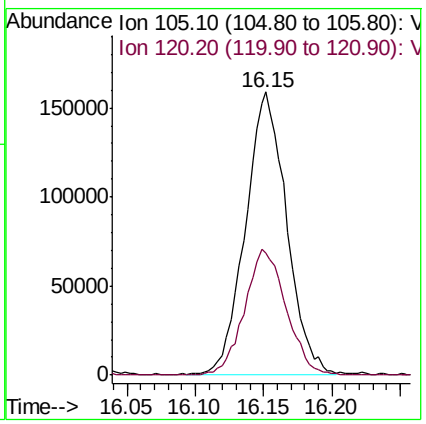


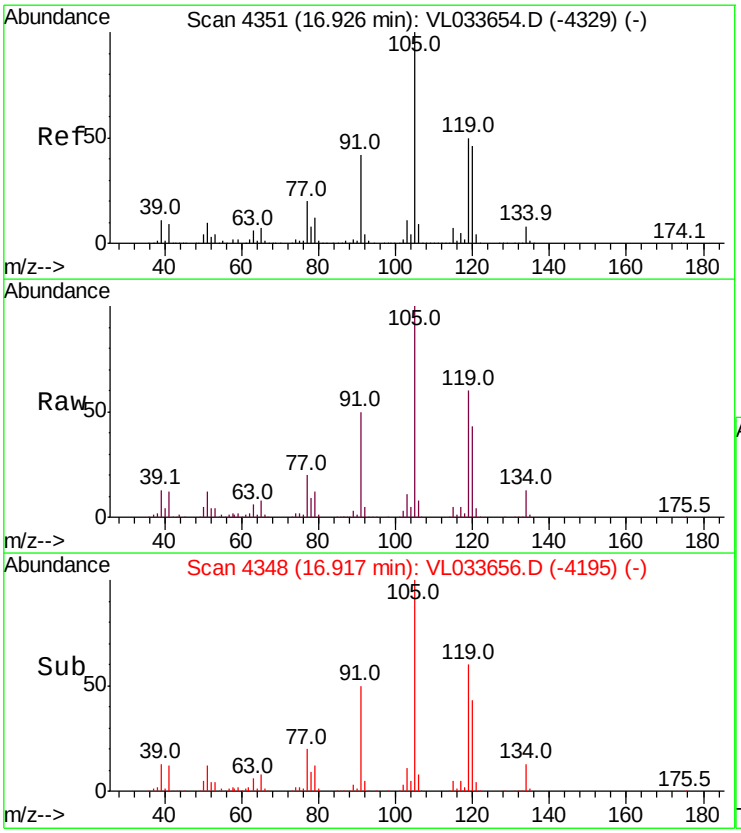
#73
1,3,5-Trimethylbenzene
Concen: 1.090 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 329771

Ion	Ratio	Lower	Upper
105	100		
120	43.2	35.5	53.3

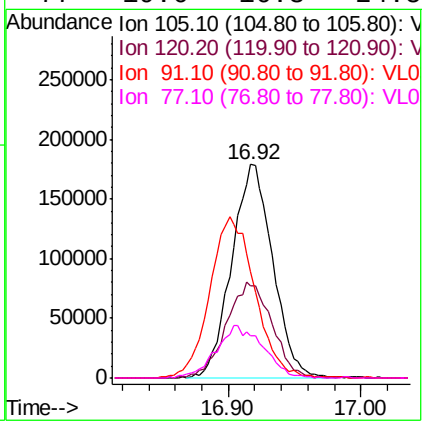


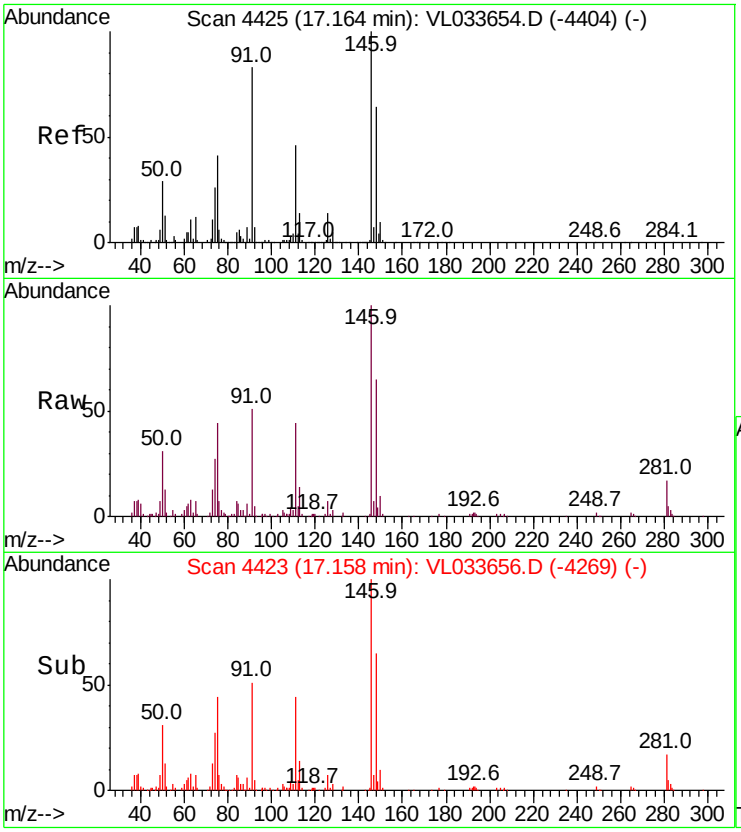


#74
1,2,4-Trimethylbenzene
Concen: 1.148 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:105 Resp: 385233

Ion	Ratio	Lower	Upper
105	100		
120	43.3	36.5	54.7
91	49.2	33.7	50.5
77	19.6	16.3	24.5



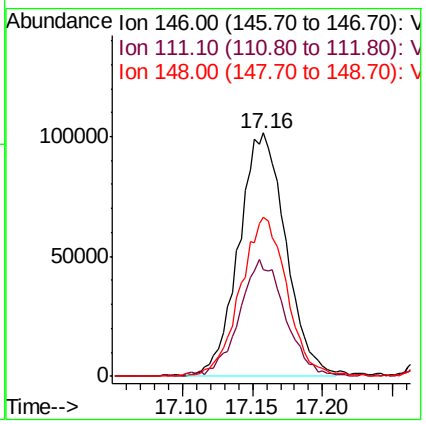


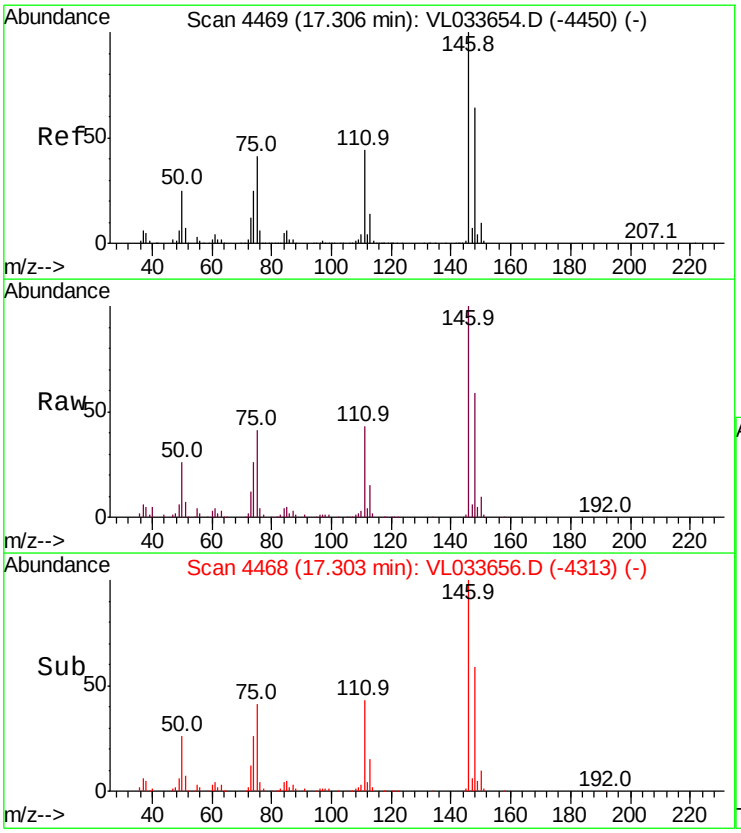
#75
1,3-Dichlorobenzene
Concen: 1.135 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 236385

Ion	Ratio	Lower	Upper
146	100		
111	47.4	22.6	67.7
148	65.0	31.8	95.4

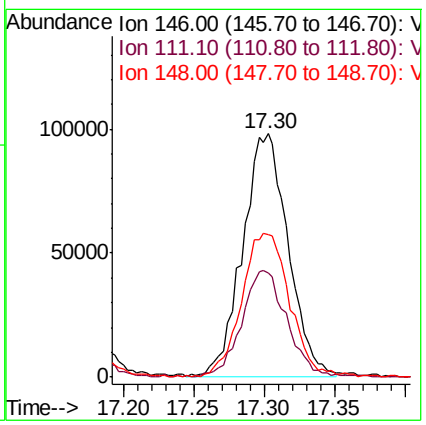


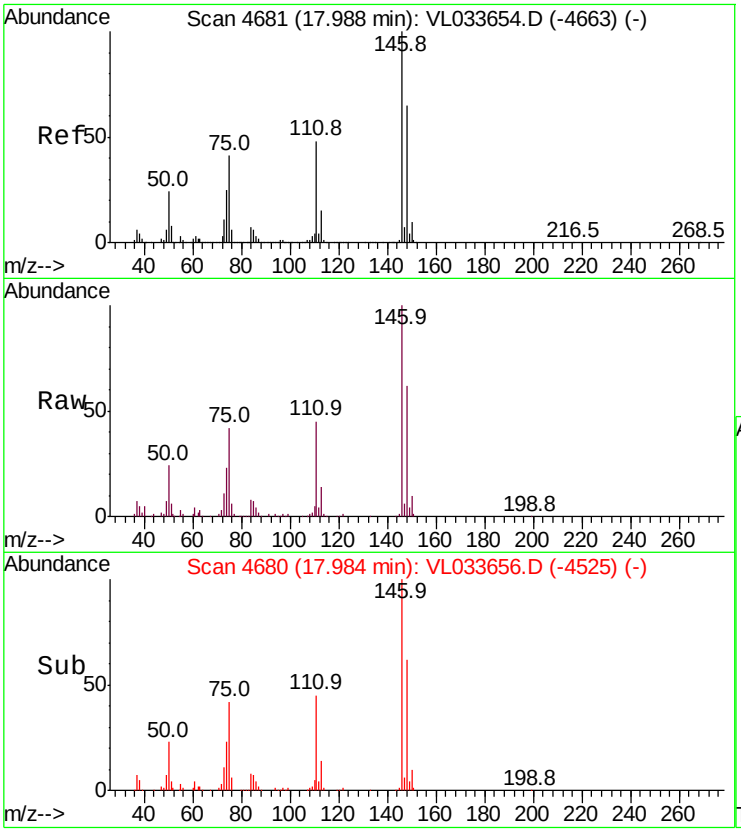


#76
1,4-Dichlorobenzene
Concen: 1.102 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:146 Resp: 218890

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.7
148	64.0	32.0	96.0



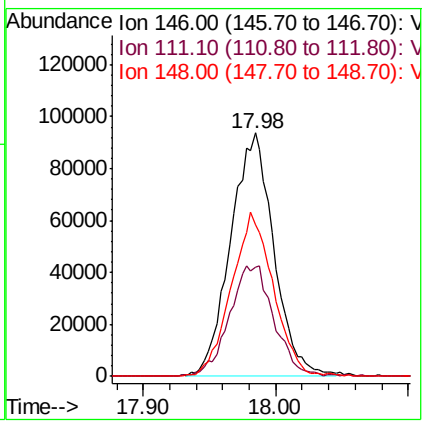


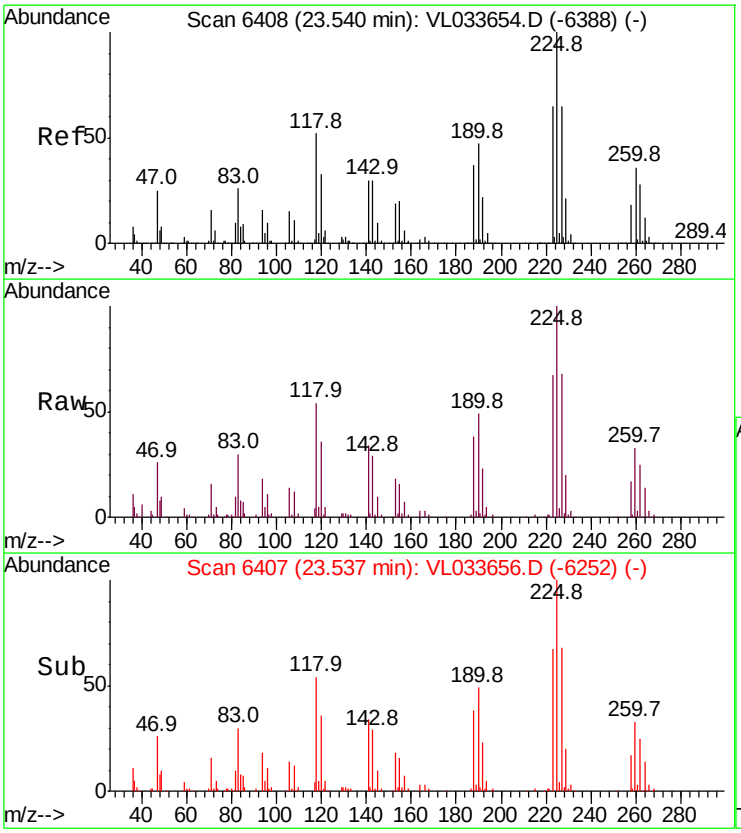
#77
1,2-Dichlorobenzene
Concen: 1.096 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 212531

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.4	70.0
148	65.5	31.9	95.9

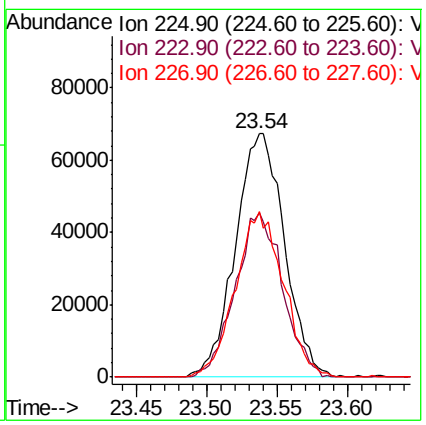


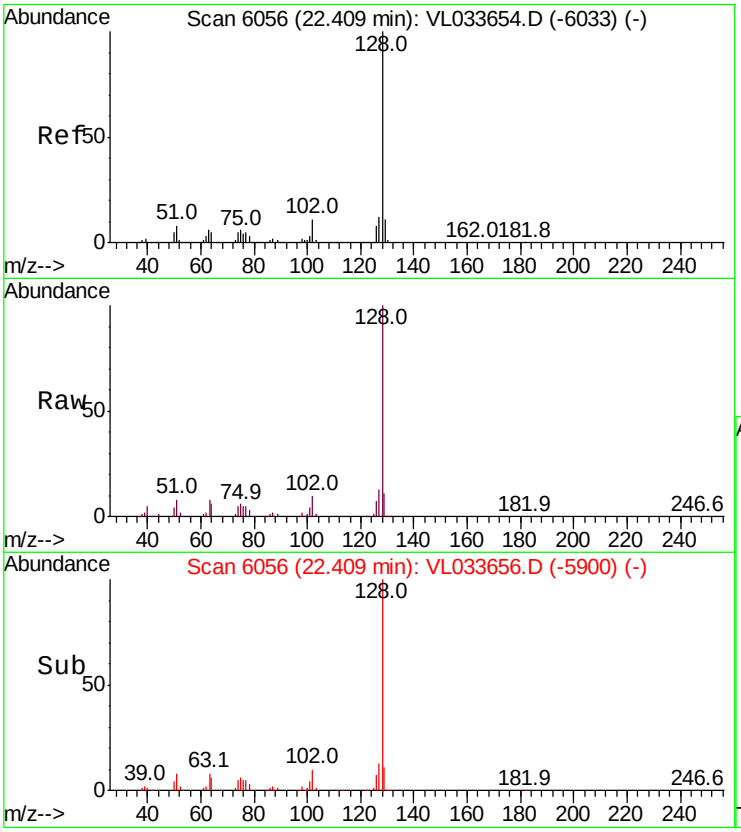


#78
Hexachloro-1,3-Butadiene
Concen: 1.108 ppbv
RT: 23.54 min Scan# 6407
Delta R.T. -0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:225 Resp: 163893

Ion	Ratio	Lower	Upper
225	100		
223	65.3	50.7	76.1
227	66.3	51.4	77.2



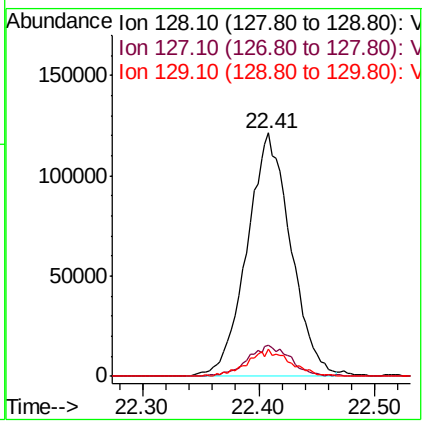


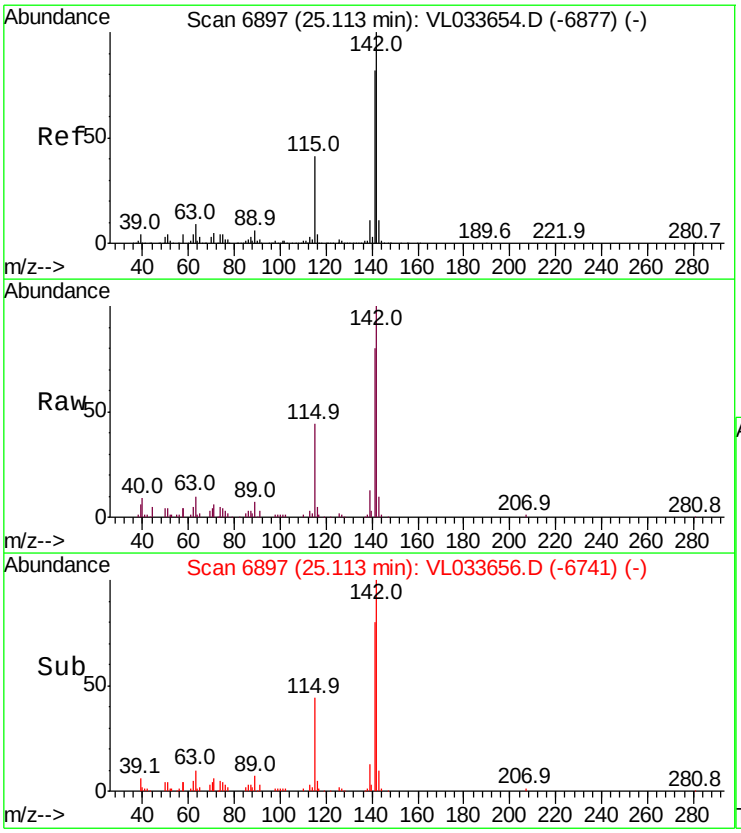
#79
Naphthalene
Concen: 1.017 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 318476

Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.8	14.8
129	11.5	8.8	13.2

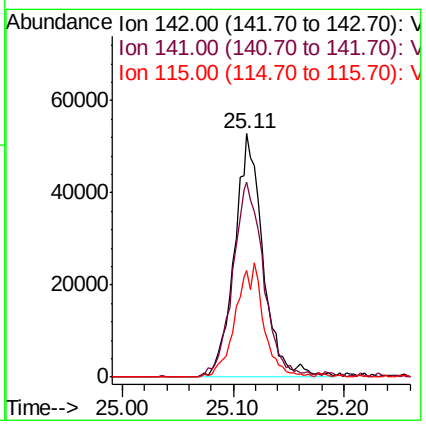


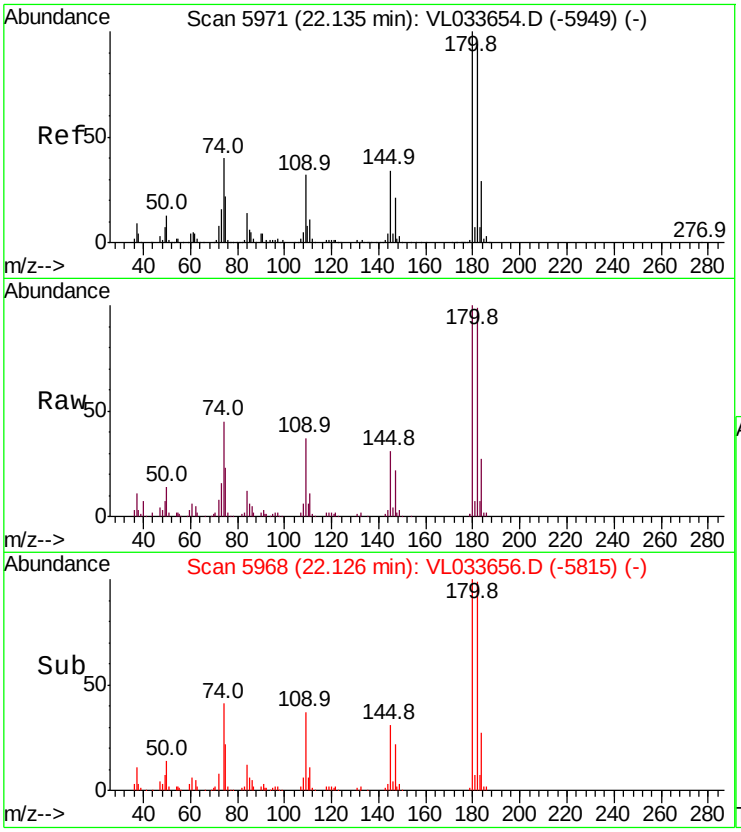


#80
Naphthalene,2-methyl-
Concen: 0.711 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Tgt Ion:142 Resp: 94559

Ion	Ratio	Lower	Upper
142	100		
141	87.5	67.8	101.8
115	45.8	34.2	51.4





#81
1,2,4-Trichlorobenzene
Concen: 1.070 ppbv
RT: 22.13 min Scan# 5968
Delta R.T. -0.01 min
Lab File: VL033656.D
Acq: 6 May 2019 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 193216

Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.4	116.0
184	29.9	24.6	36.8