Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033657.D
Acq On : 6 May 2019 12:54
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 06 13:58:22 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	5.75	49	983113	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2505902	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2356220	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1965043	10.44	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	140167	0.855	ppbv	96
3) Chlorodifluoromethane	3.01	51	82343	0.695	ppbv	95
4) Chloromethane	3.17	50	39172	0.600	ppbv	93
5) Vinyl Chloride	3.29	62	35890	0.528	ppbv	96
6) Bromomethane	3.51	94	24865	0.616	ppbv	94
7) Chloroethane	3.60	64	8334	0.367	ppbv	93
8) Dichlorotetrafluoroethane	3.22	85	98074	0.593	ppbv	99
9) Propene	3.03	41	28428	0.689	ppbv	97
10) Heptane	8.24	43	59365	0.473	ppbv	99
11) Trichlorofluoromethane	4.00	101	113573	0.623	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.55	101	76510	0.611	ppbv	99
13) Ethanol	3.65	45	6662	0.437	ppbv	66
14) Bromoethene	3.78	108	28062	0.553	ppbv	99
15) Acetone	3.91	43	80538	0.651	ppbv	95
16) 1,3-Butadiene	3.36	39	30423	0.552	ppbv	96
17) tert-Butyl alcohol	4.37	59	60604	0.582	ppbv	97
18) 1,1-Dichloroethene	4.35	96	34316	0.631	ppbv	93
19) Isopropyl Alcohol	4.03	45	28808	0.349	ppbv #	80
20) Methylene Chloride	4.40	84	17731	0.366	ppbv	95
21) Allyl Chloride	4.47	41	44563	0.575	ppbv	94
22) trans-1,2-Dichloroethene	4.96	96	31902	0.594	ppbv	96
23) Vinyl Acetate	5.15	43	81680	0.455	ppbv #	97
24) 1,1-Dichloroethane	5.08	63	75365	0.562	ppbv #	96
25) Ethyl Acetate	5.77	43	120033	0.524	ppbv	99
26) Hexane	5.78	57	49164	0.508	ppbv	90
27) Carbon Disulfide	4.62	76	61192	0.509	ppbv #	84
28) Methyl tert-Butyl Ether	5.12	73	77969	0.479	ppbv	97
29) Chloroform	5.84	83	97332	0.550	ppbv	93
30) Cyclohexane	7.24	84	37551	0.457	ppbv	91
31) cis-1,2-Dichloroethene	5.63	61	44100	0.452	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	55161	0.297	ppbv #	37
34) 2-Butanone	5.33	43	75407	0.486	ppbv	98
35) Carbon Tetrachloride	7.13	117	99898	0.497	ppbv	97
36) Benzene	7.00	78	104185	0.480	ppbv	96
37) 1,2-Dichloroethane	6.40	62	54640	0.379	ppbv #	86
38) Trichloroethene	7.96	130	39050	0.453	ppbv #	78
39) 1,2-Dichloropropane	7.73	63	39144	0.481	ppbv	90
40) 1,4-Dioxane	7.98	88	6011	0.184	ppbv #	1
41) Tetrahydrofuran	6.17	42	32570	0.391	ppbv	96
42) Bromodichloromethane	7.91	83	95114	0.487	ppbv	93
43) Methyl Methacrylate	8.13	69	14104	0.172	ppbv #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033657.D
Acq On : 6 May 2019 12:54
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 06 13:58:22 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	7.98	57	172933	0.459 ppbv #	92
45) t-1,3-Dichloropropene	9.41	75	35955	0.341 ppbv #	79
46) cis-1,3-Dichloropropene	8.82	75	20013	0.164 ppbv	92
47) 1,1,2-Trichloroethane	9.61	97	44845	0.466 ppbv	96
48) Dibromochloromethane	10.44	129	38889	0.241 ppbv #	10
49) Bromoform	13.19	173	55552	0.401 ppbv	99
52) Tetrachloroethene	11.36	164	37133	0.452 ppbv	95
53) Toluene	9.94	91	88802	0.363 ppbv	100
54) 1,2-Dibromoethane	10.75	107	64885	0.452 ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.27	131	55921	0.542 ppbv #	1
57) Chlorobenzene	12.29	112	102539	0.558 ppbv	95
58) Ethyl Benzene	12.86	91	126944	0.429 ppbv	90
59) m/p-Xylene	13.14	91	112558	0.442 ppbv #	26
60) o-Xylene	13.84	91	122260	0.477 ppbv	100
61) Styrene	13.68	104	32403	0.184 ppbv #	27
62) Isopropylbenzene	14.82	105	165533	0.484 ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	104482	0.538 ppbv	99
64) n-propylbenzene	15.72	120	21212	0.239 ppbv #	1
65) tert-Butylbenzene	16.90	119	72821	0.228 ppbv #	2
66) Benzyl Chloride	17.15	91	56642	0.384 ppbv	99
67) sec-Butylbenzene	17.45	105	210451	0.469 ppbv	100
69) p-Isopropyltoluene	17.81	119	101022	0.271 ppbv #	63
70) n-Butylbenzene	18.71	91	180206	0.443 ppbv	96
71) 2-Chlorotoluene	15.61	91	112803	0.440 ppbv	100
72) 4-Ethyltoluene	15.99	105	131724	0.449 ppbv #	97
73) 1,3,5-Trimethylbenzene	16.15	105	130926	0.455 ppbv	97
74) 1,2,4-Trimethylbenzene	16.92	105	162464	0.509 ppbv	95
75) 1,3-Dichlorobenzene	17.16	146	54809	0.277 ppbv #	22
76) 1,4-Dichlorobenzene	17.30	146	92675	0.491 ppbv	97
77) 1,2-Dichlorobenzene	17.98	146	44651	0.242 ppbv #	23
78) Hexachloro-1,3-Butadiene	23.53	225	81027	0.576 ppbv	98
79) Naphthalene	22.40	128	58366	0.196 ppbv	99
80) Naphthalene,2-methyl-	25.11	142	32130	0.254 ppbv	96
81) 1,2,4-Trichlorobenzene	22.13	180	73787	0.430 ppbv	94

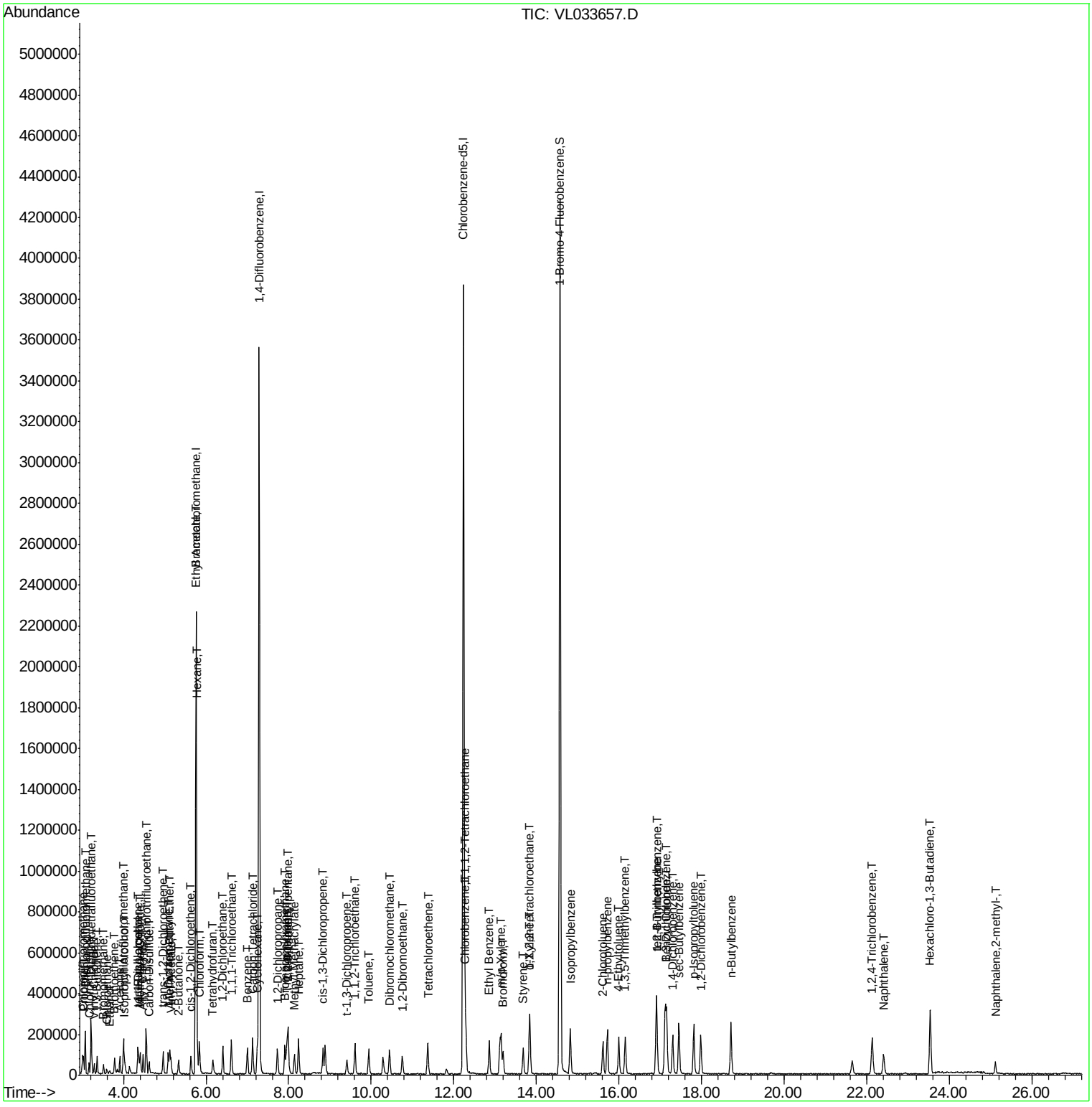
(#) = qualifier out of range (m) = manual integration (+) = signals summed

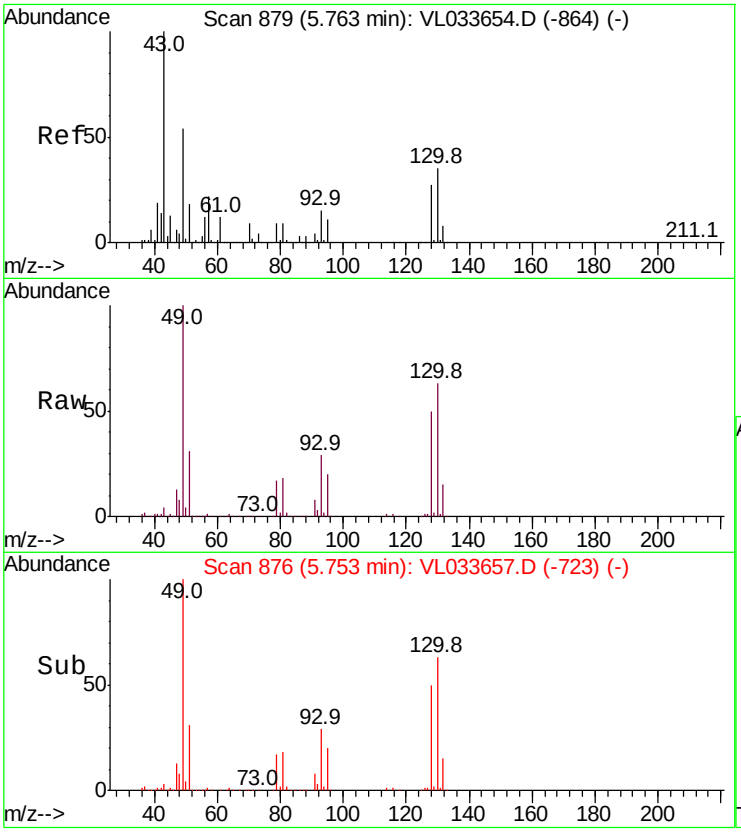
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033657.D
Acq On : 6 May 2019 12:54
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 06 13:58:22 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



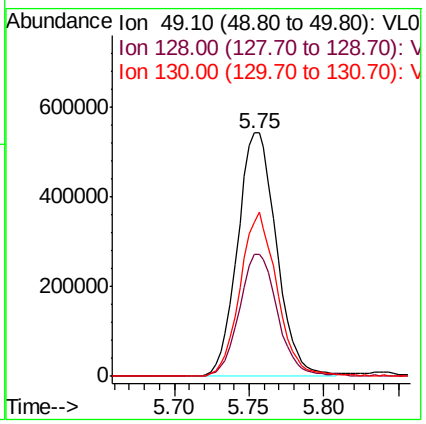


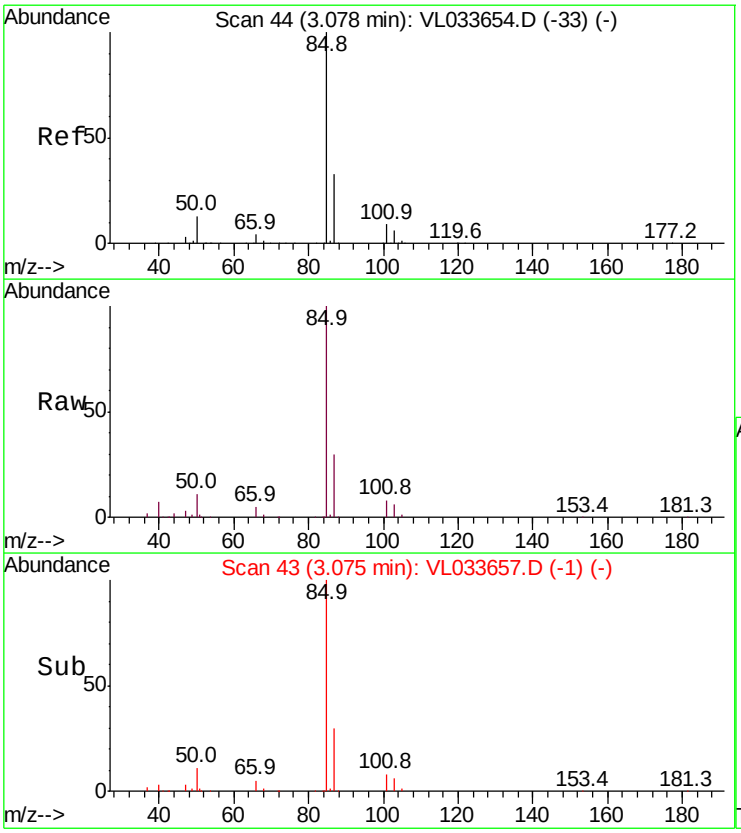
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 983113

Ion	Ratio	Lower	Upper
49	100		
128	49.3	24.8	74.4
130	64.5	32.1	96.5

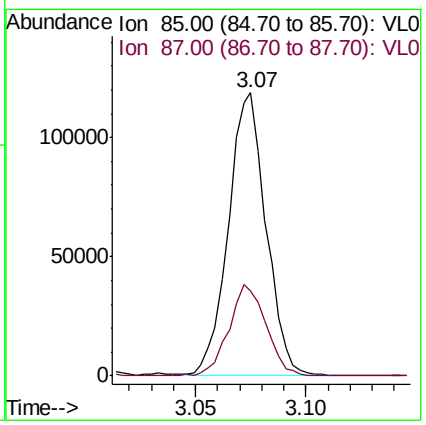


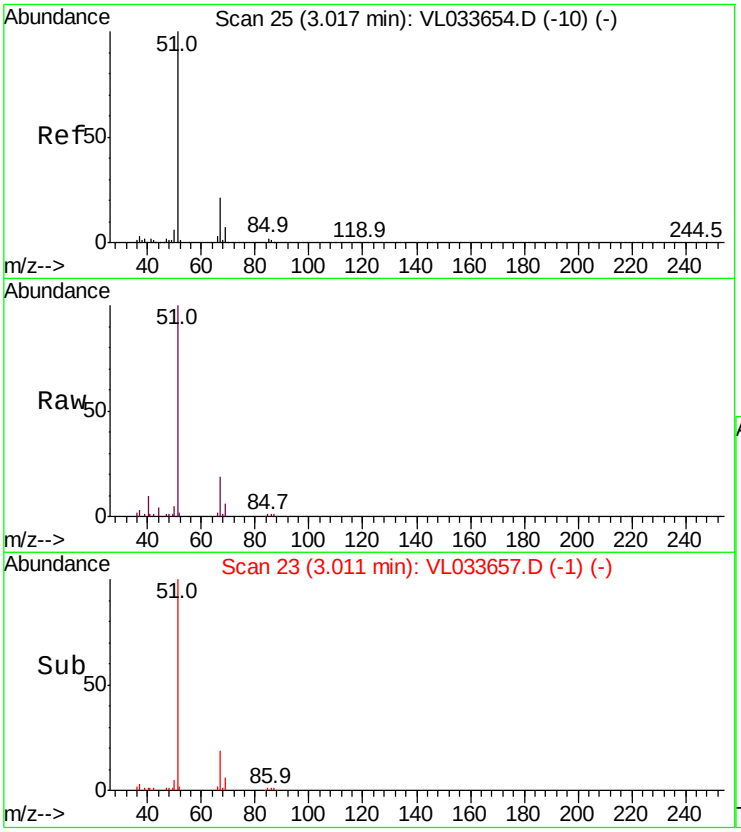


#2
Dichlorodifluoromethane
Concen: 0.855 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 85 Resp: 140167

Ion	Ratio	Lower	Upper
85	100		
87	30.0	26.0	39.0



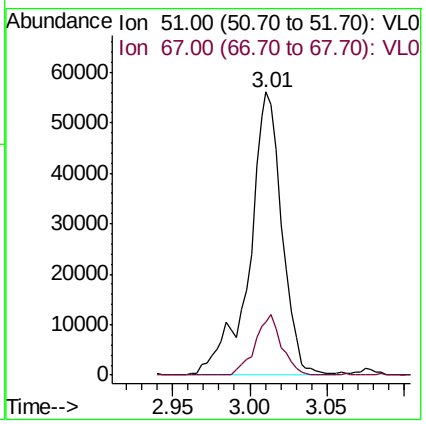


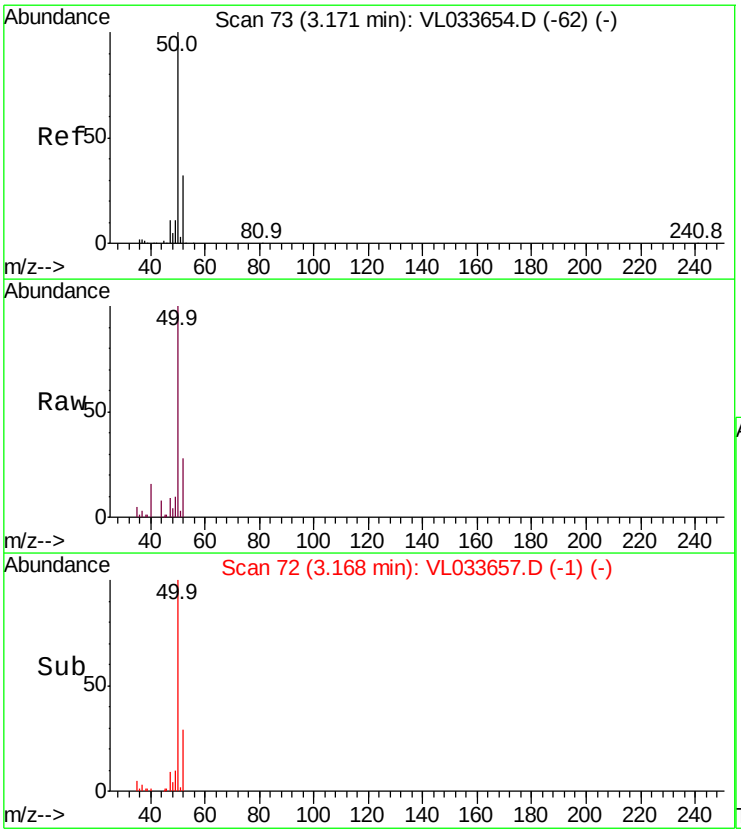
#3
Chlorodifluoromethane
Concen: 0.695 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 82343

Ion	Ratio	Lower	Upper
51	100		
67	17.3	15.7	23.5

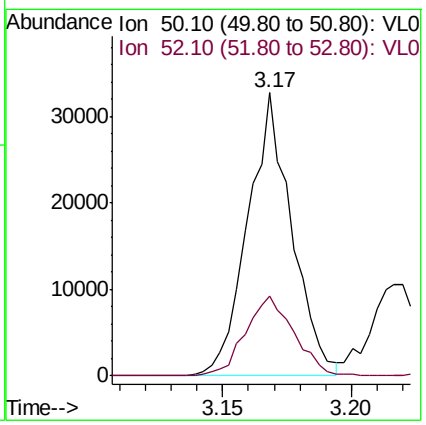


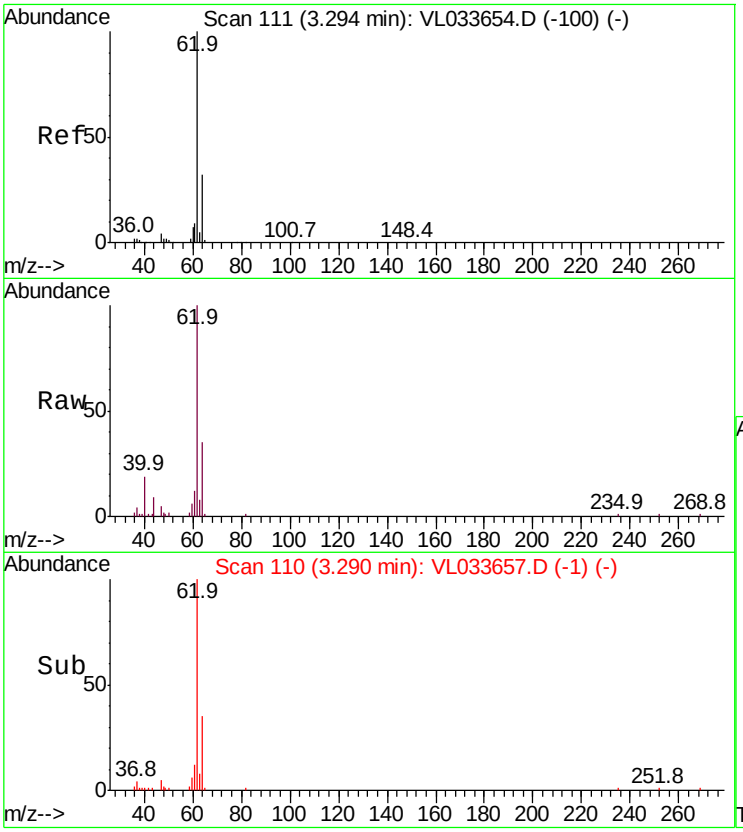


#4
Chloromethane
Concen: 0.600 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 50 Resp: 39172

Ion	Ratio	Lower	Upper
50	100		
52	28.4	25.8	38.8



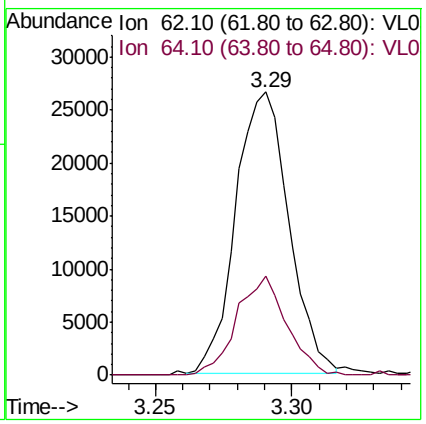


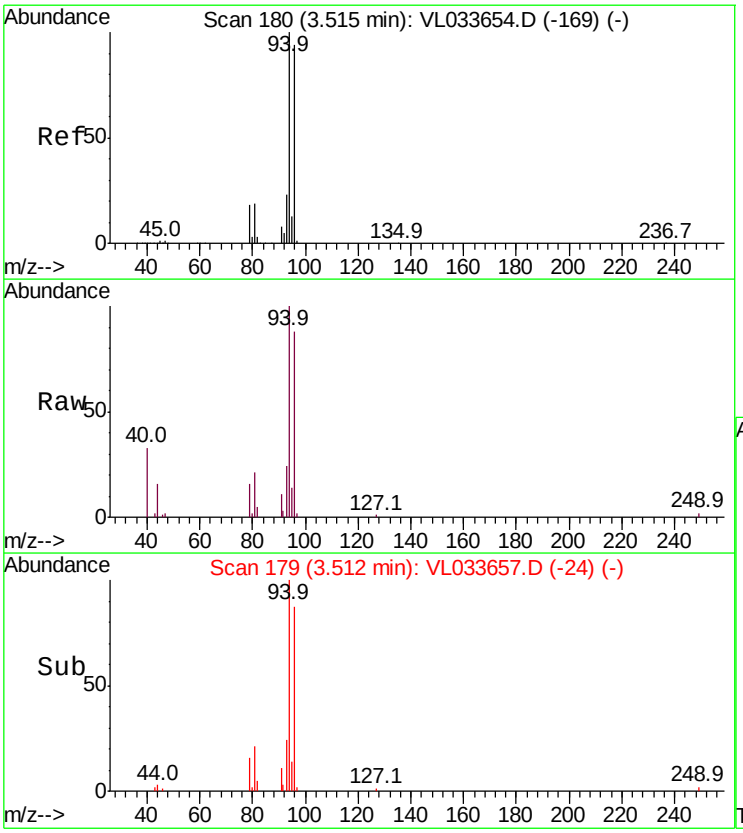
#5
Vinyl Chloride
Concen: 0.528 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 35890

Ion	Ratio	Lower	Upper
62	100		
64	34.0	25.6	38.4

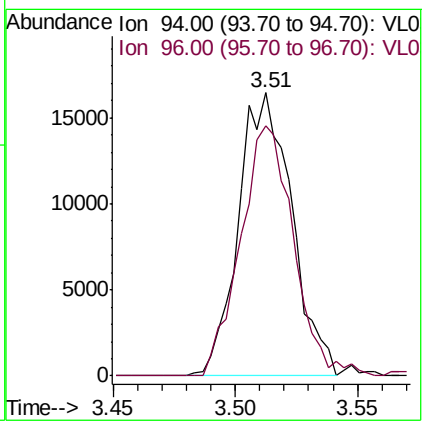


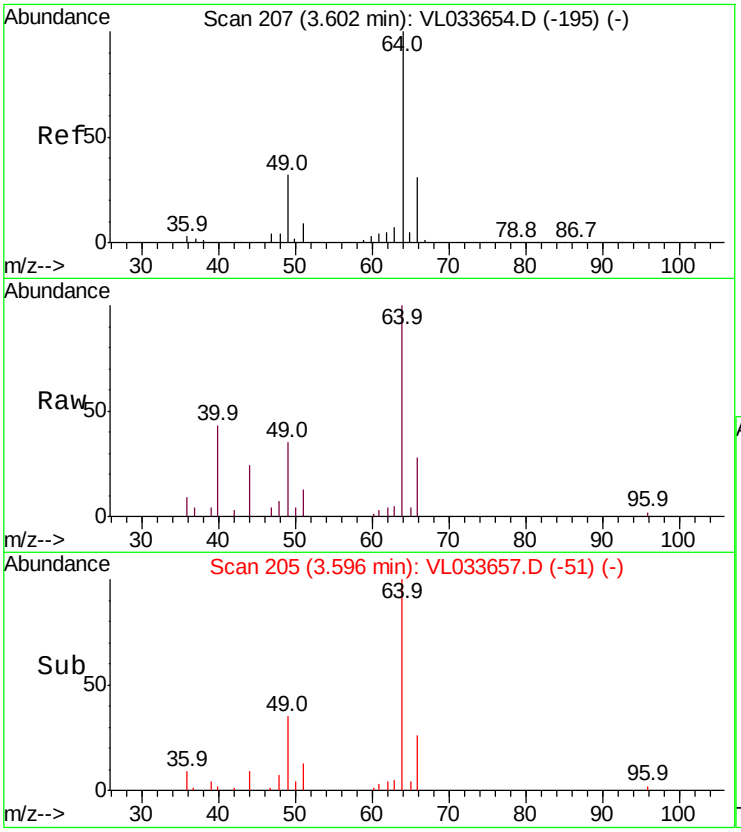


#6
Bromomethane
Concen: 0.616 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 94 Resp: 24865

Ion	Ratio	Lower	Upper
94	100		
96	88.5	75.2	112.8

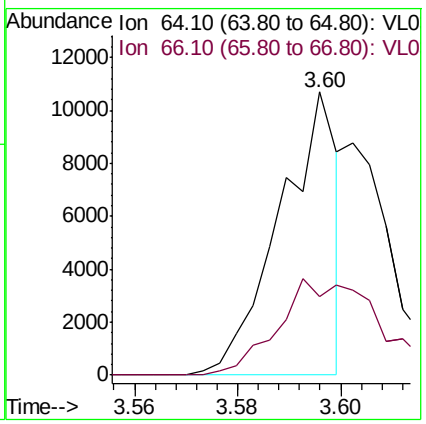




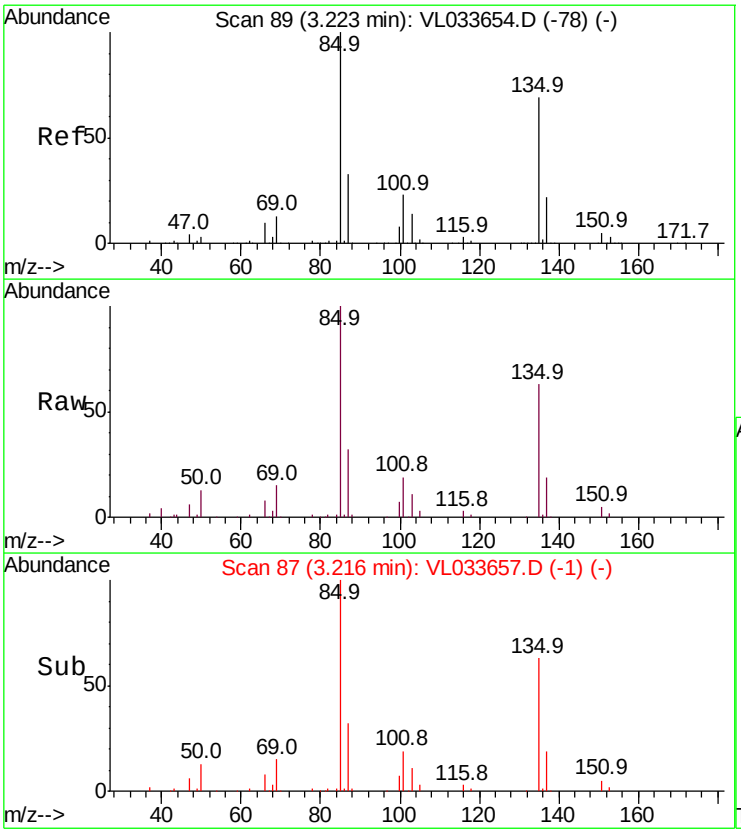
#7
Chloroethane
Concen: 0.367 ppbv
RT: 3.60 min Scan# 205
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 64 Resp: 8334

Ion	Ratio	Lower	Upper
64	100		
66	27.7	25.1	37.7



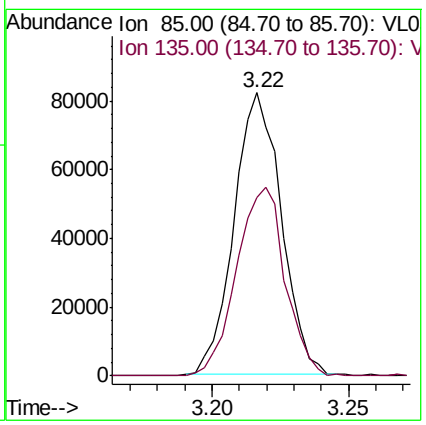
Instrument :
MSVOA_L
ClientSampleId :

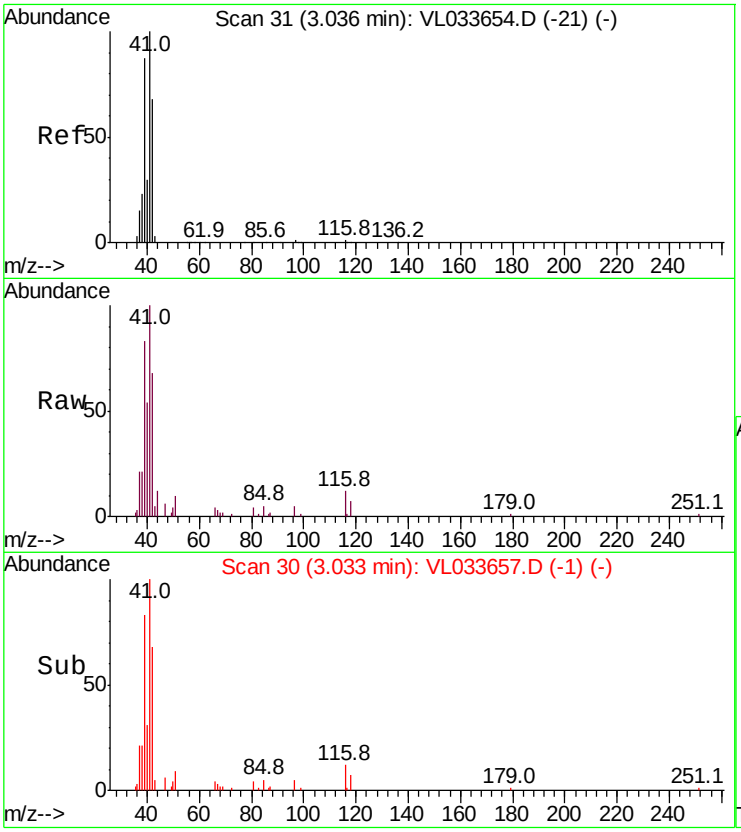


#8
Dichlorotetrafluoroethane
Concen: 0.593 ppbv
RT: 3.22 min Scan# 87
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 85 Resp: 98074

Ion	Ratio	Lower	Upper
85	100		
135	68.9	54.3	81.5

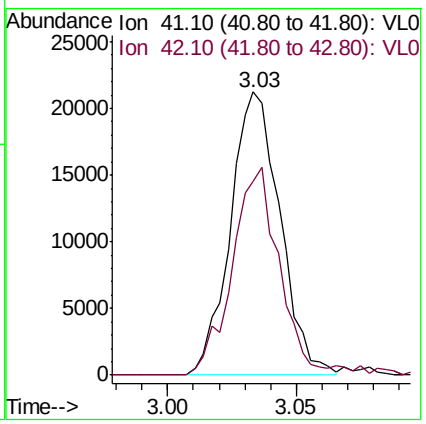




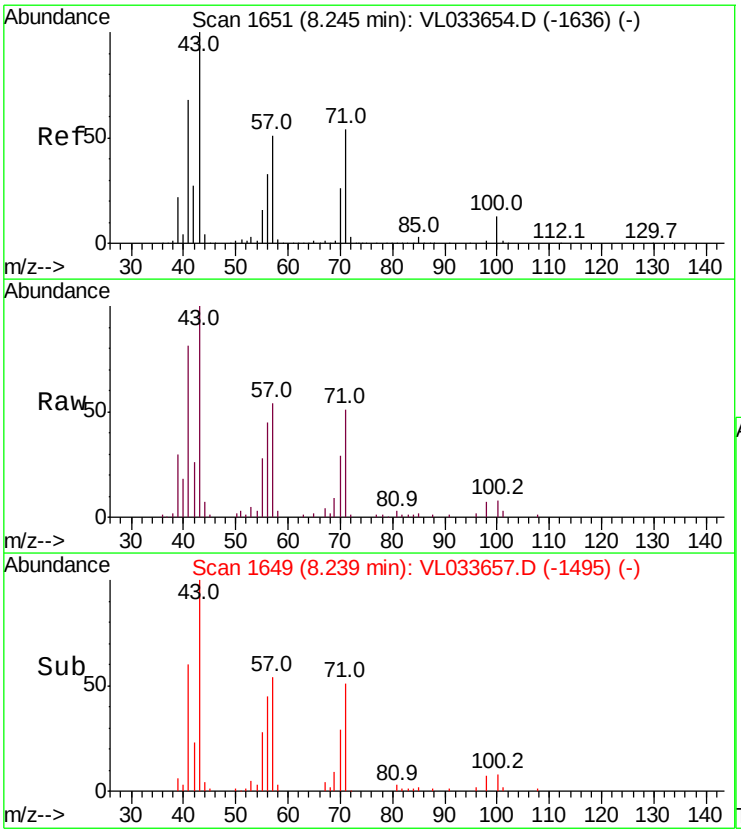
#9
Propene
Concen: 0.689 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 41 Resp: 28428

Ion	Ratio	Lower	Upper
41	100		
42	71.7	55.6	83.4



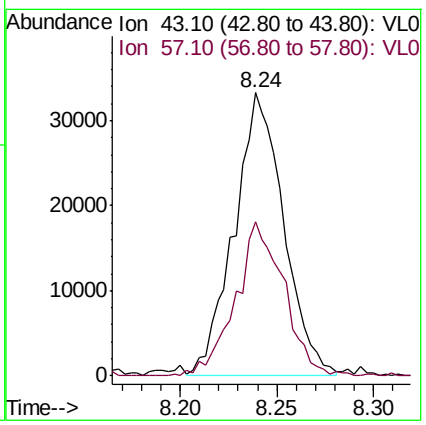
Instrument :
MSVOA_L
ClientSampleId :

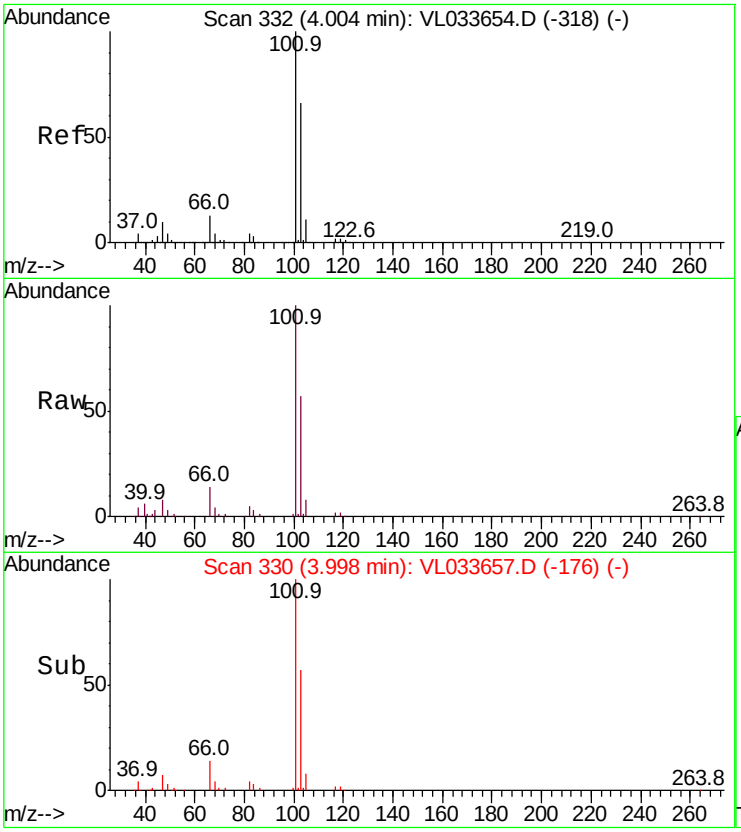


#10
Heptane
Concen: 0.473 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 43 Resp: 59365

Ion	Ratio	Lower	Upper
43	100		
57	53.0	41.8	62.6



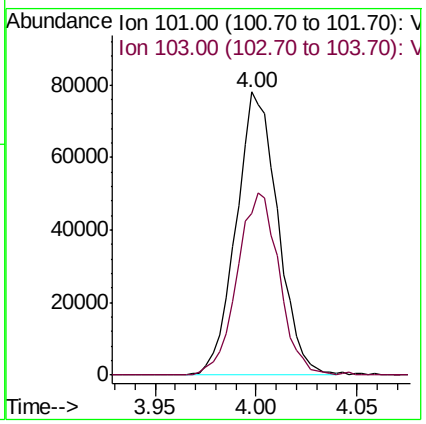


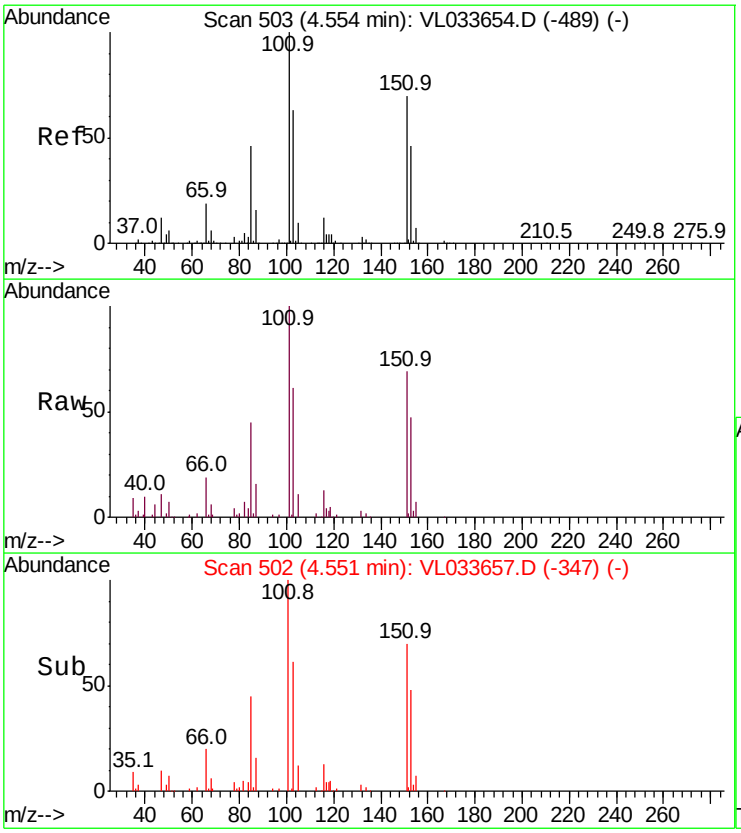
#11
Trichlorofluoromethane
Concen: 0.623 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 113573

Ion	Ratio	Lower	Upper
101	100		
103	56.6	52.7	79.1

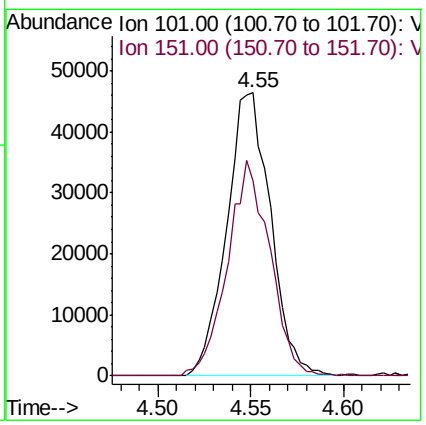


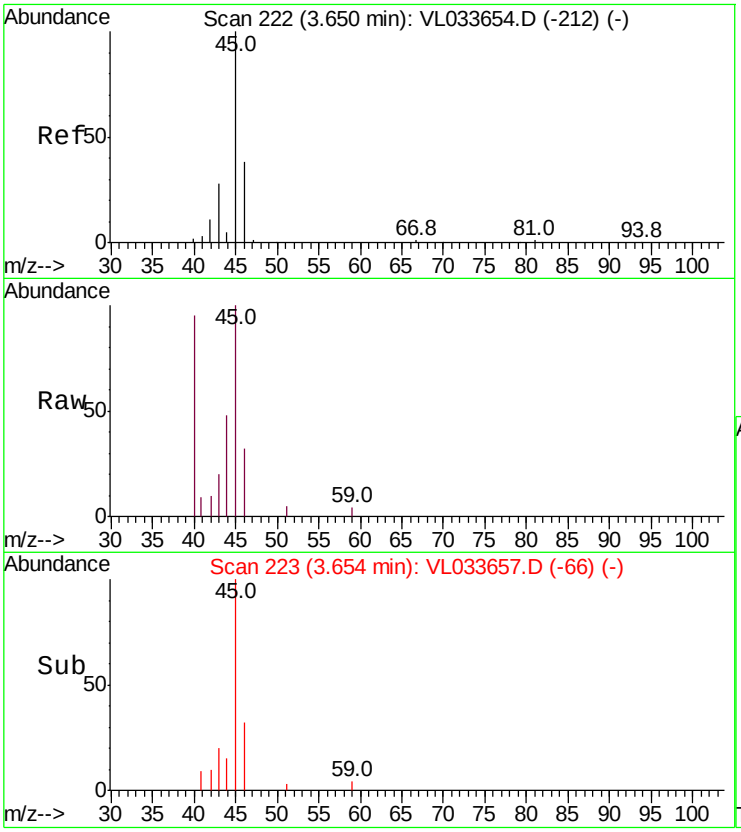


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.611 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:101 Resp: 76510

Ion	Ratio	Lower	Upper
101	100		
151	73.0	58.0	87.0



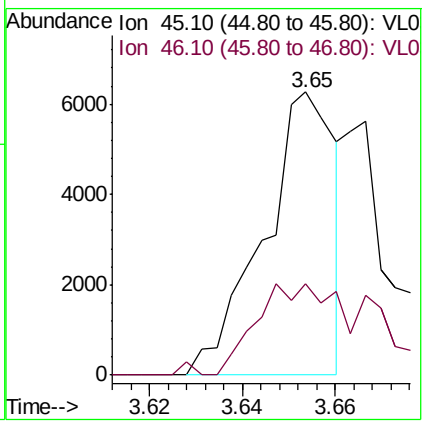


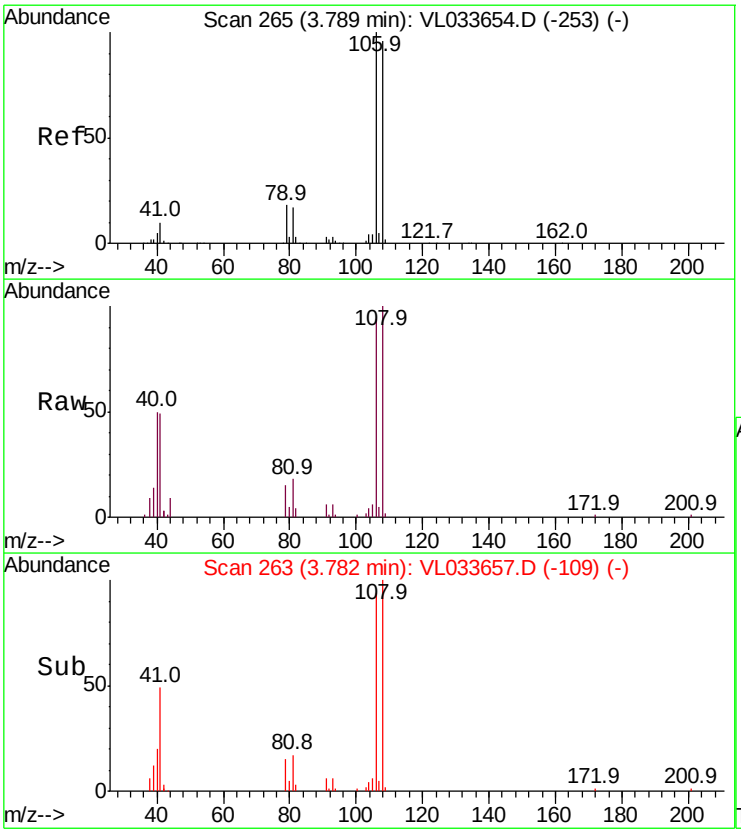
#13
Ethanol
Concen: 0.437 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 6662

Ion	Ratio	Lower	Upper
45	100		
46	57.9	14.9	59.7

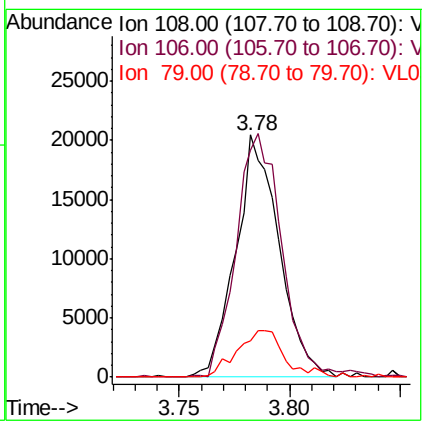


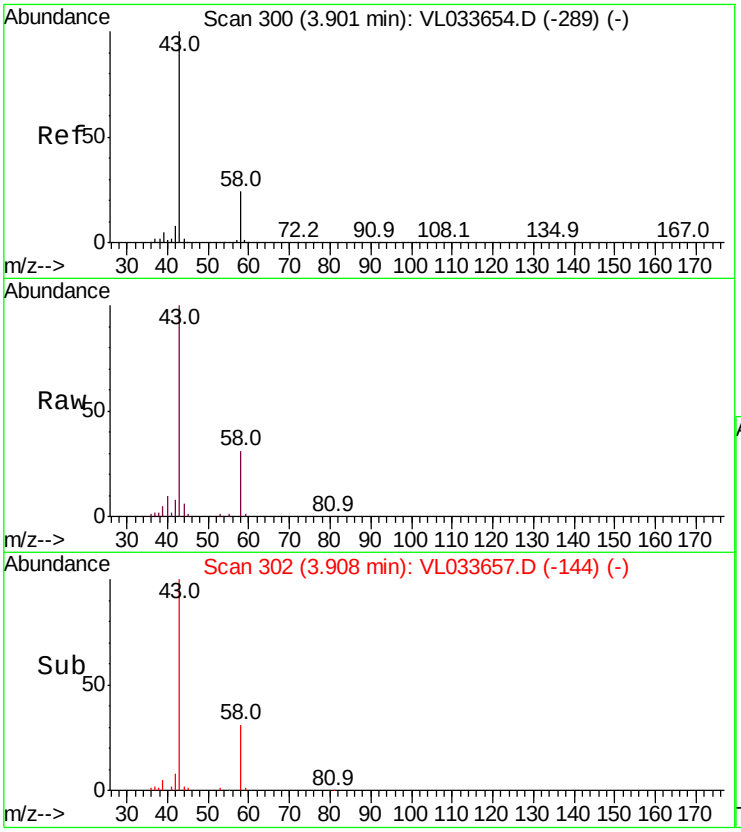


#14
Bromoethene
Concen: 0.553 ppbv
RT: 3.78 min Scan# 263
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:108 Resp: 28062

Ion	Ratio	Lower	Upper
108	100		
106	106.6	85.8	128.6
79	21.6	15.2	22.8



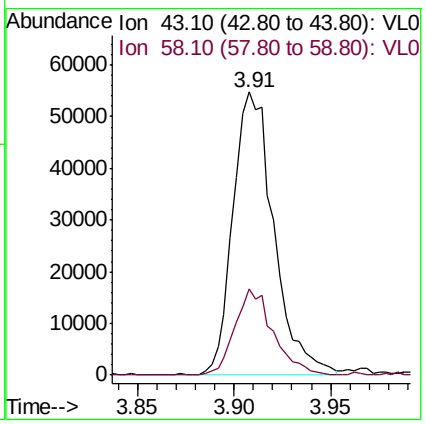


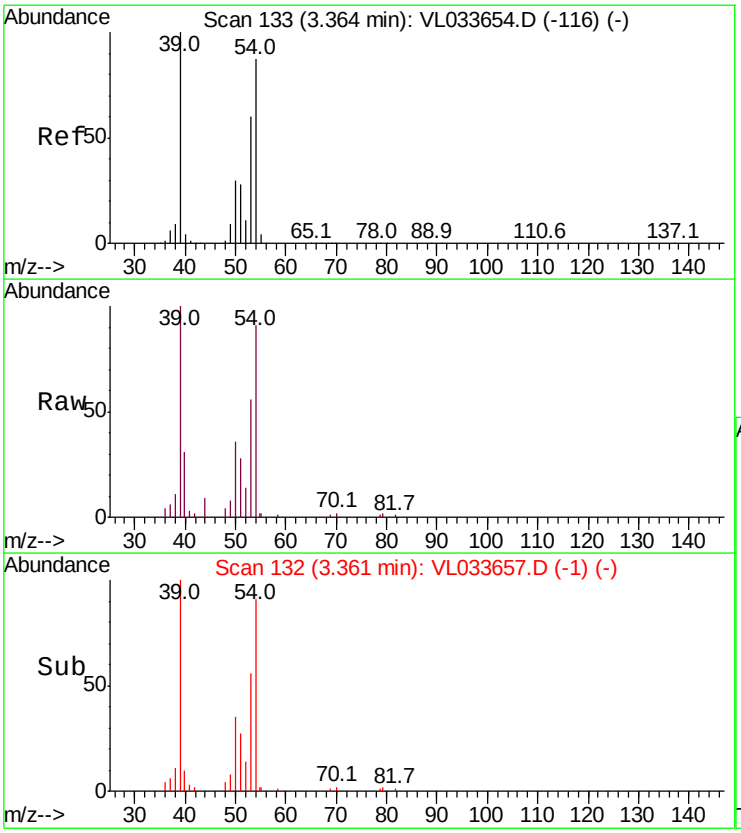
#15
Acetone
Concen: 0.651 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 80538

Ion	Ratio	Lower	Upper
43	100		
58	28.5	20.9	31.3

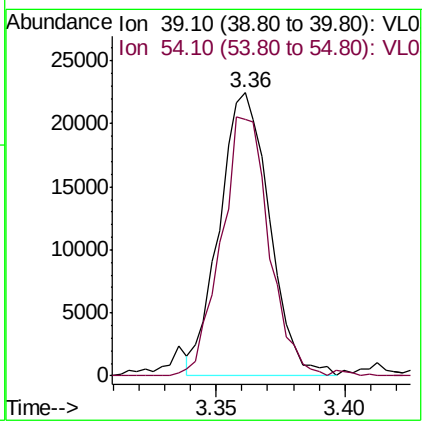


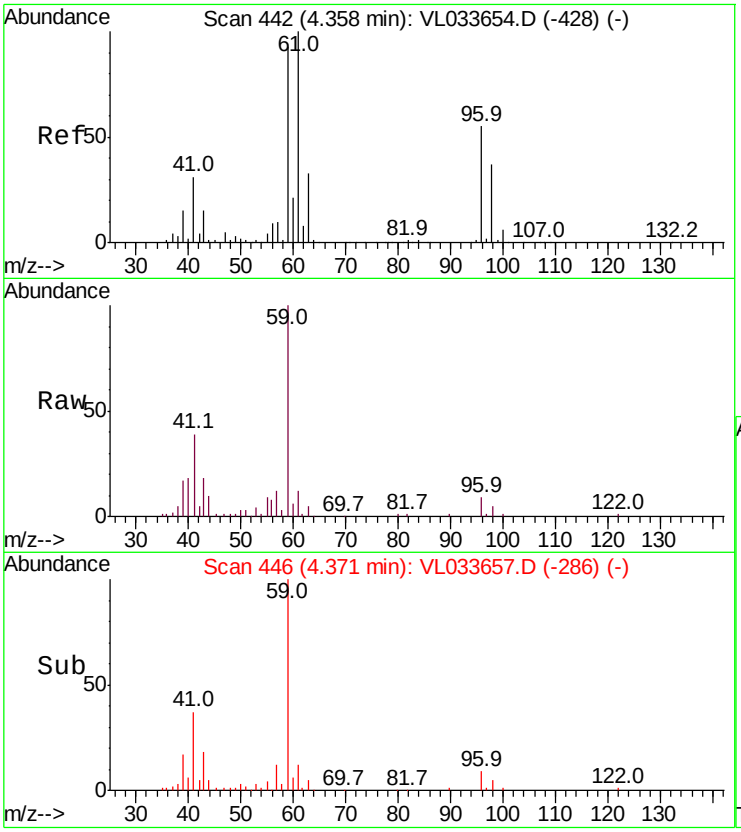


#16
1,3-Butadiene
Concen: 0.552 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 39 Resp: 30423

Ion	Ratio	Lower	Upper
39	100		
54	87.8	67.0	100.4



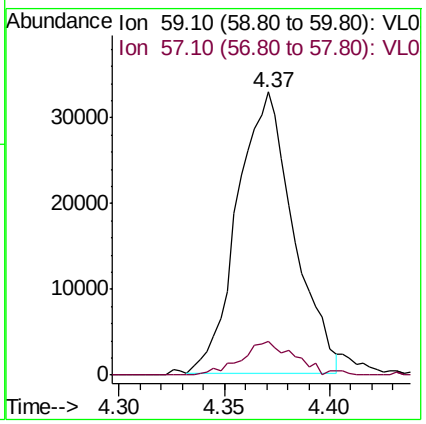


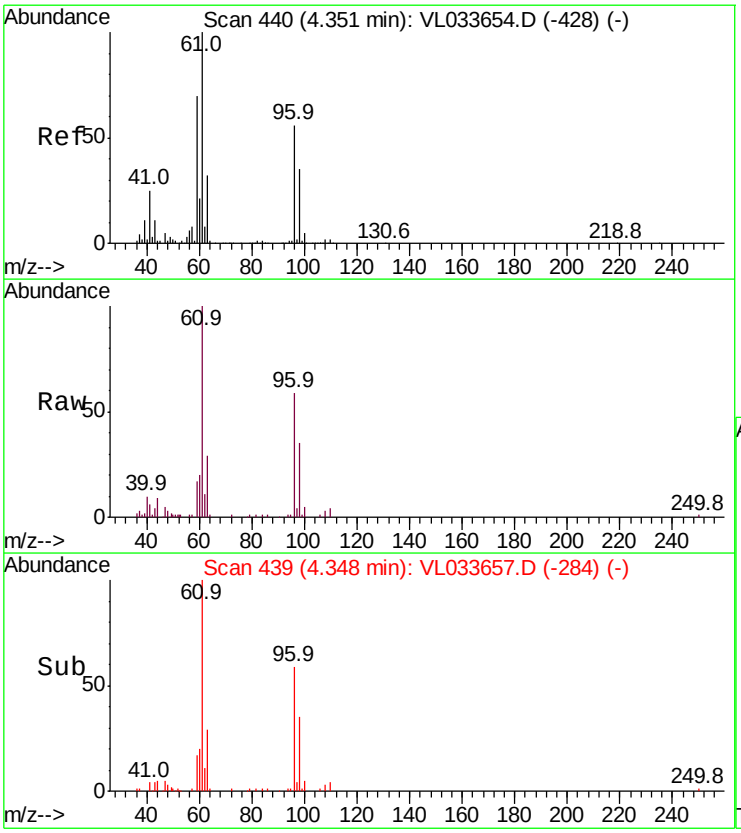
#17
tert-Butyl alcohol
Concen: 0.582 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 60604

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.4	12.6

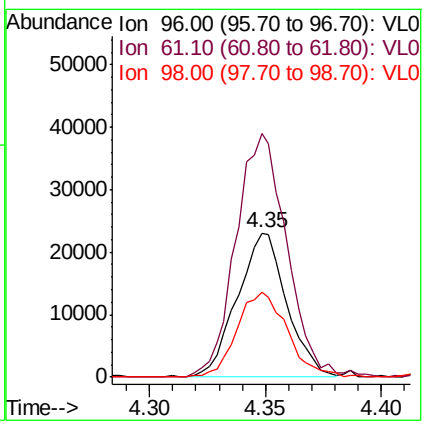


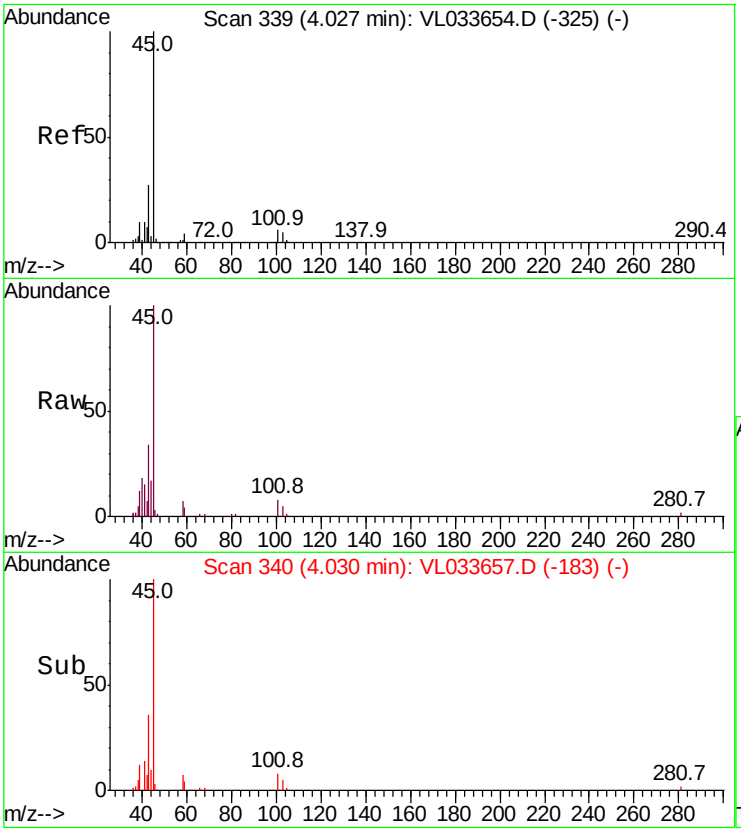


#18
1,1-Dichloroethene
Concen: 0.631 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 96 Resp: 34316

Ion	Ratio	Lower	Upper
96	100		
61	168.7	143.4	215.0
98	59.2	50.4	75.6



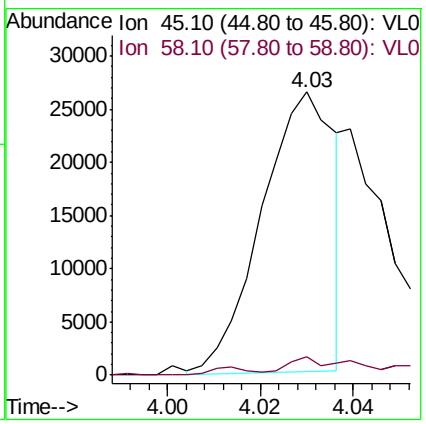


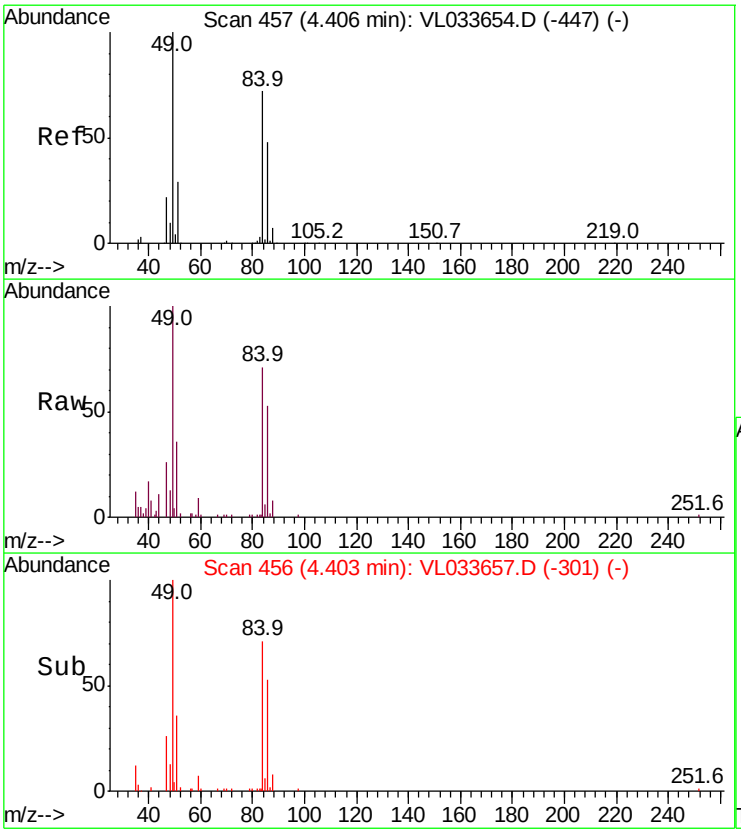
#19
Isopropyl Alcohol
Concen: 0.349 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 28808

Ion	Ratio	Lower	Upper
45	100		
58	9.3	1.9	2.9#

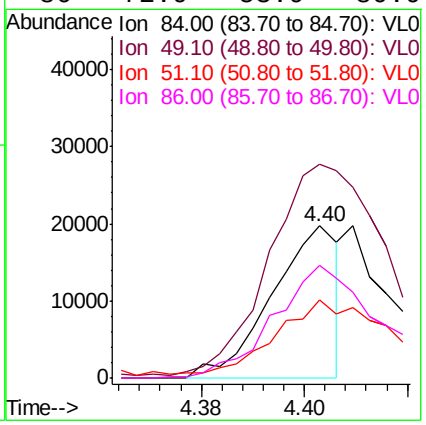


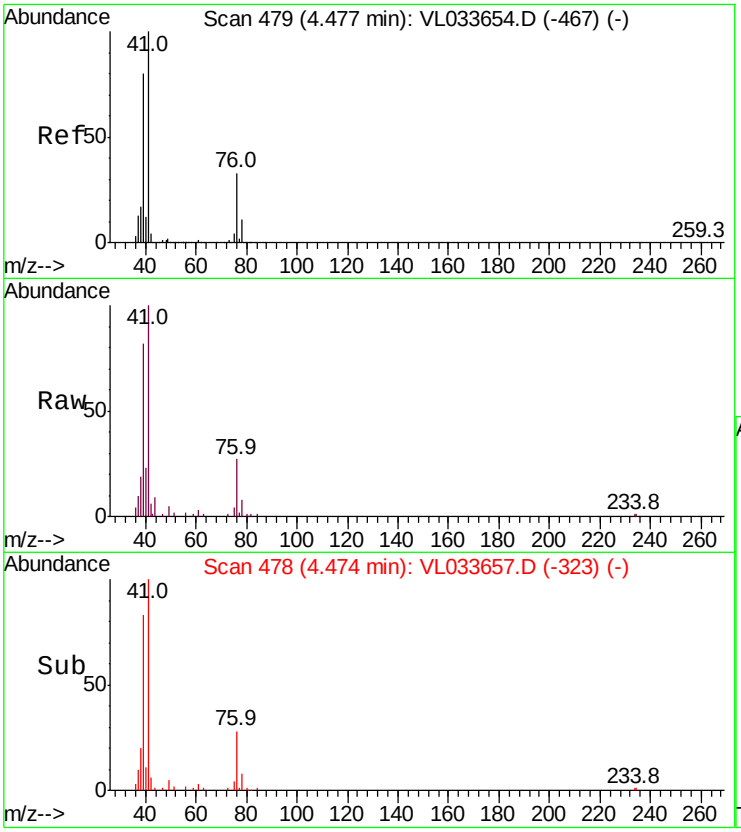


#20
Methylene Chloride
Concen: 0.366 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 84 Resp: 17731

Ion	Ratio	Lower	Upper
84	100		
49	136.3	111.8	167.6
51	47.5	32.3	48.5
86	72.9	53.9	80.9



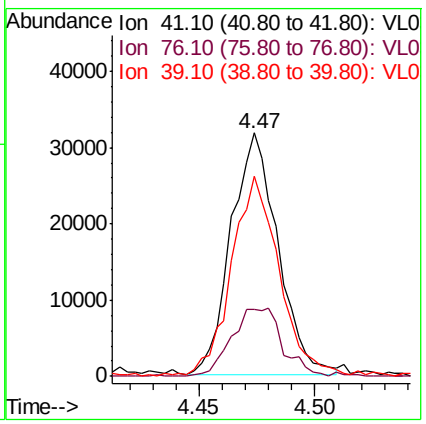


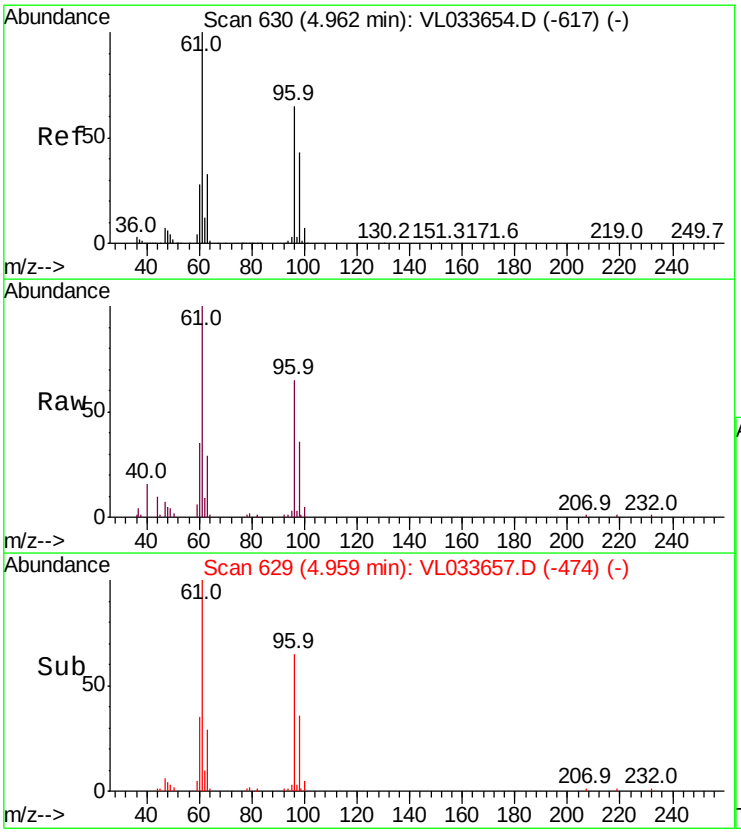
#21
Allyl Chloride
Concen: 0.575 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 44563

Ion	Ratio	Lower	Upper
41	100		
76	31.0	26.0	39.0
39	86.6	64.4	96.6

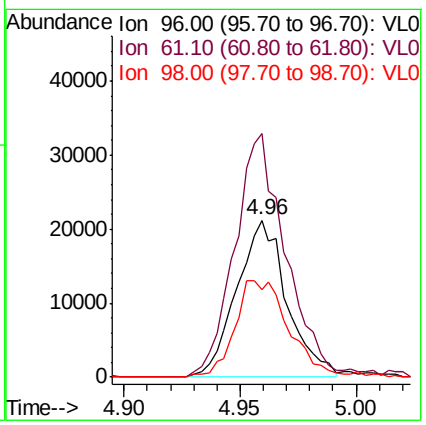


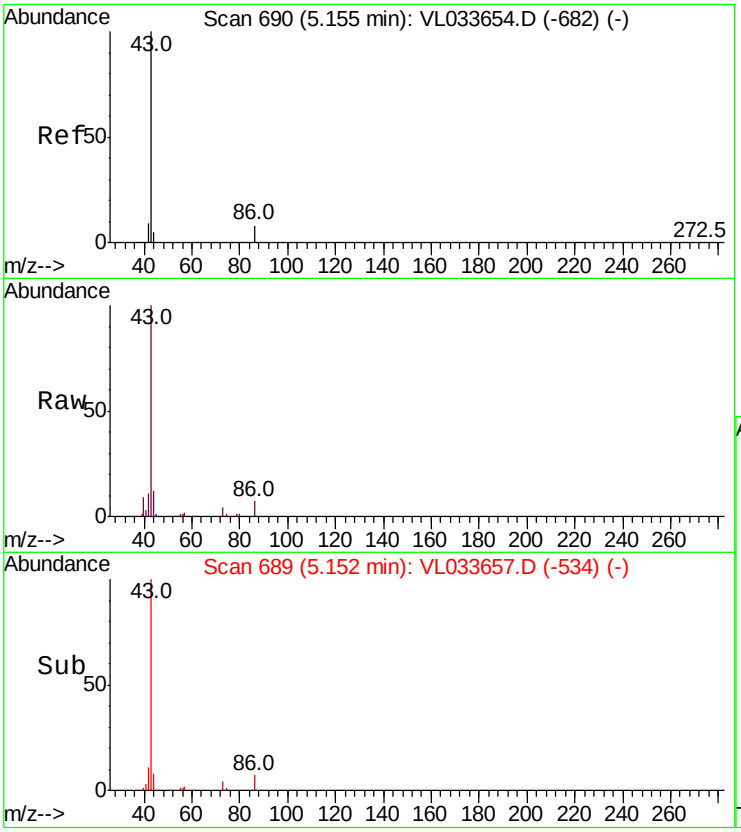


#22
trans-1,2-Dichloroethene
Concen: 0.594 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 96 Resp: 31902

Ion	Ratio	Lower	Upper
96	100		
61	154.9	123.1	184.7
98	57.3	52.6	79.0



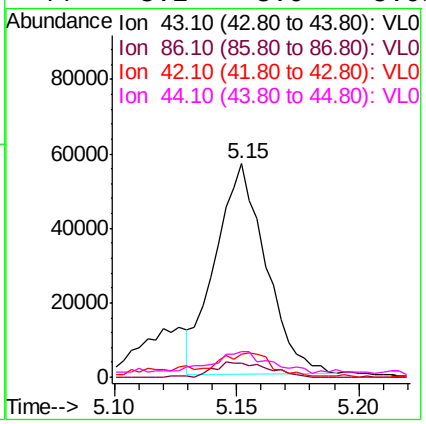


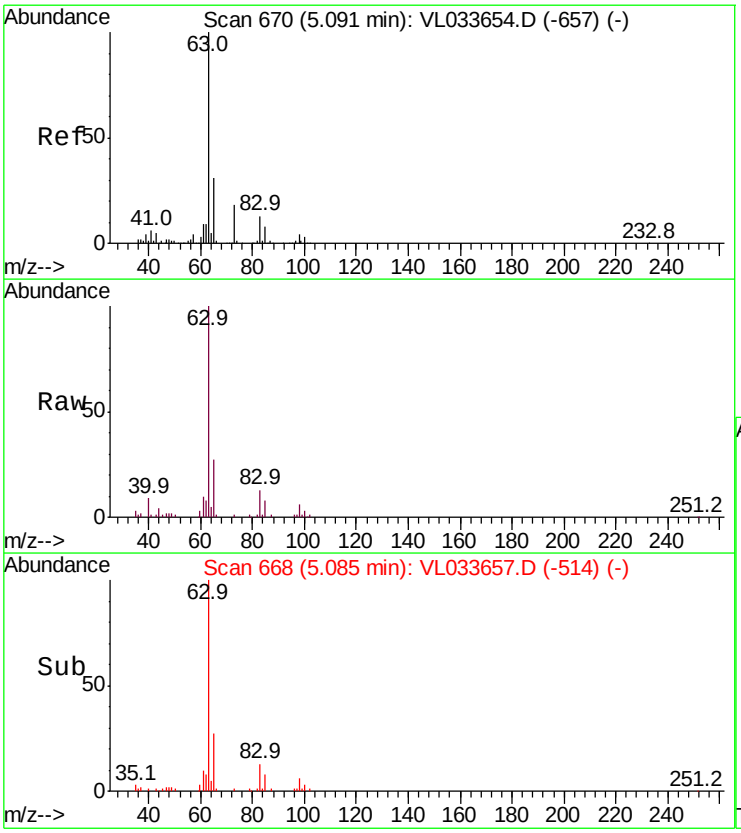
#23
Vinyl Acetate
Concen: 0.455 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 81680

Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.0	9.0
42	10.4	8.0	12.0
44	8.2	3.9	5.9#

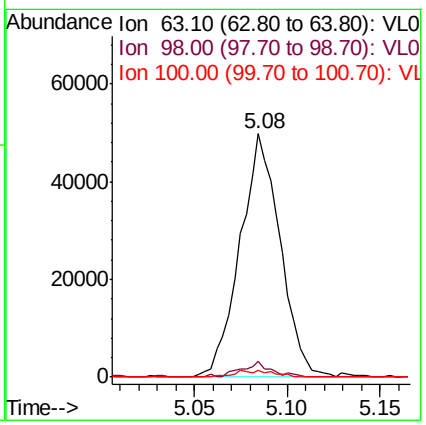


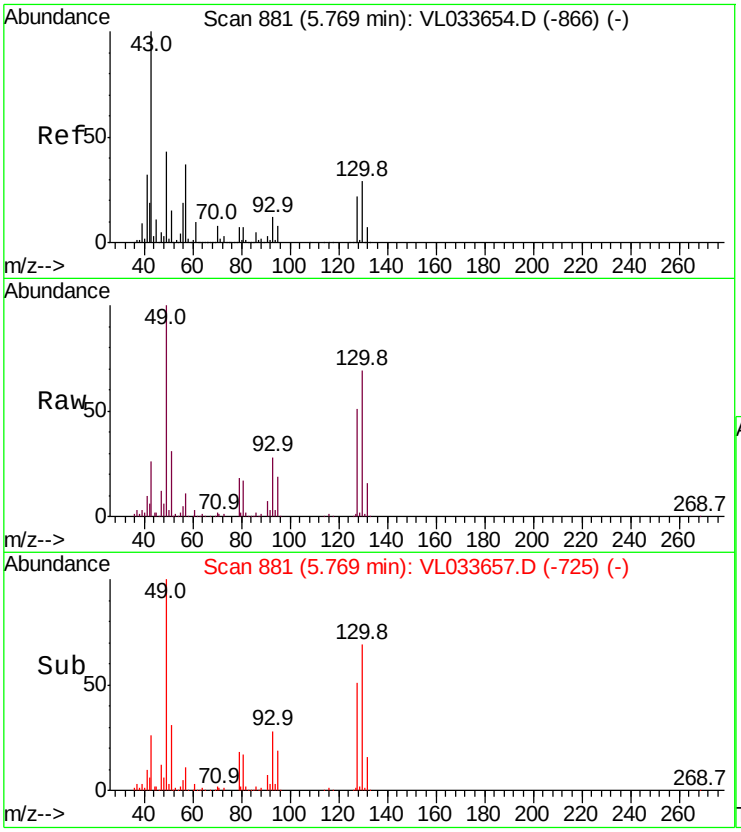


#24
1,1-Dichloroethane
Concen: 0.562 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 63 Resp: 75365

Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.1	6.2#
100	3.0	1.5	4.4



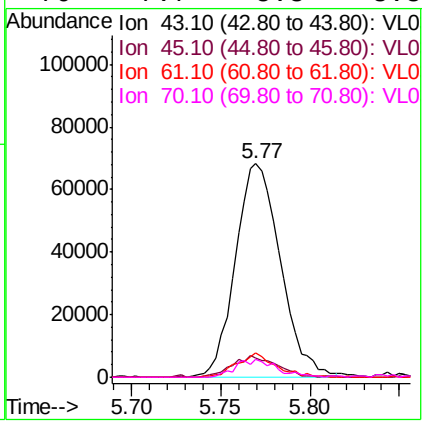


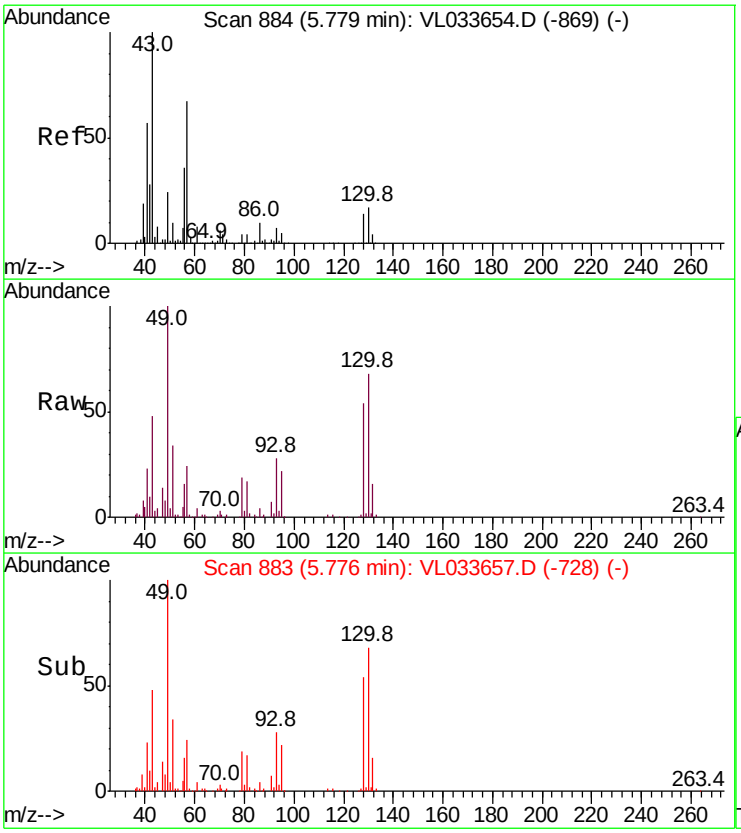
#25
Ethyl Acetate
Concen: 0.524 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 120033

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.0	12.0
61	9.7	7.5	11.3
70	7.7	5.8	8.8

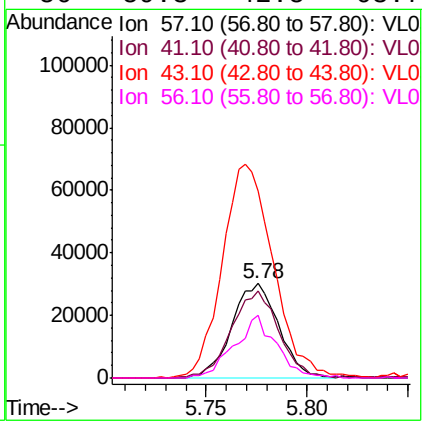


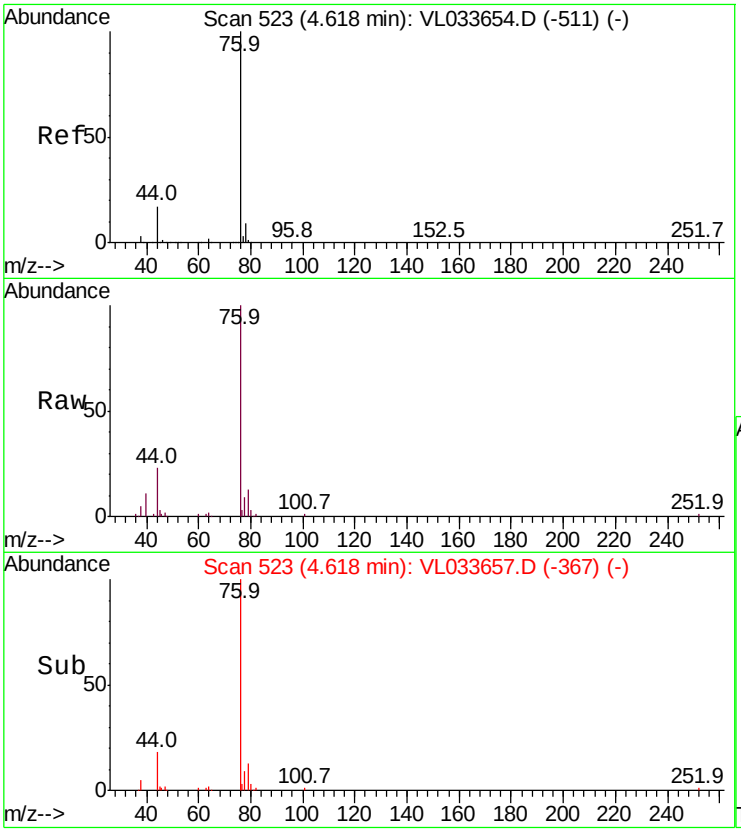


#26
Hexane
Concen: 0.508 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 57 Resp: 49164

Ion	Ratio	Lower	Upper
57	100		
41	94.8	69.7	104.5
43	245.8	181.9	272.9
56	59.3	42.5	63.7



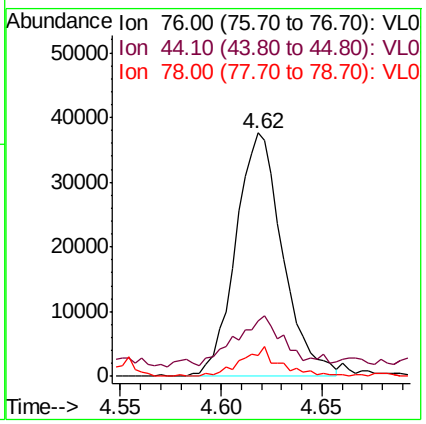


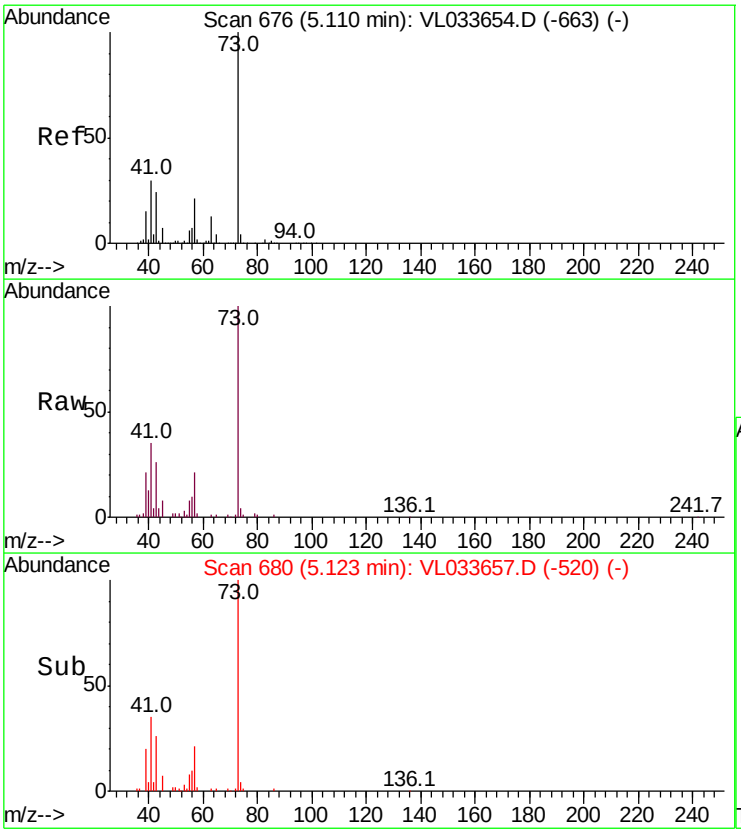
#27
Carbon Disulfide
Concen: 0.509 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 61192

Ion	Ratio	Lower	Upper
76	100		
44	27.7	14.4	21.6#
78	10.9	7.4	11.2

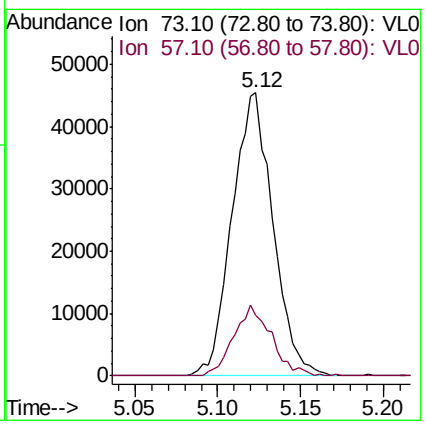


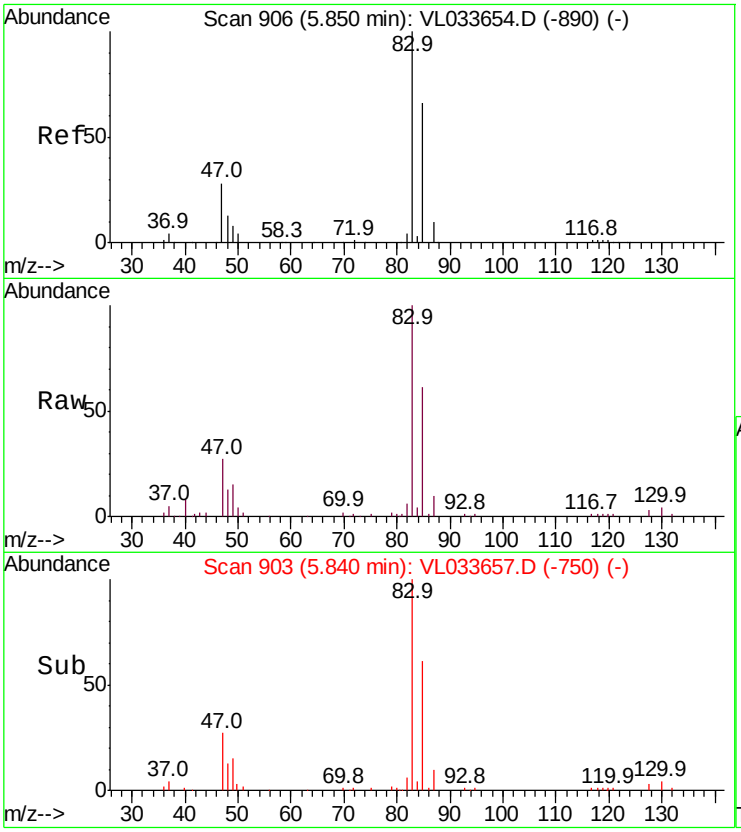


#28
Methyl tert-Butyl Ether
Concen: 0.479 ppbv
RT: 5.12 min Scan# 680
Delta R.T. 0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 73 Resp: 77969

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.0

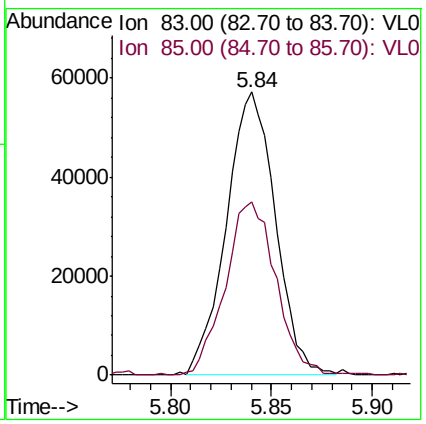




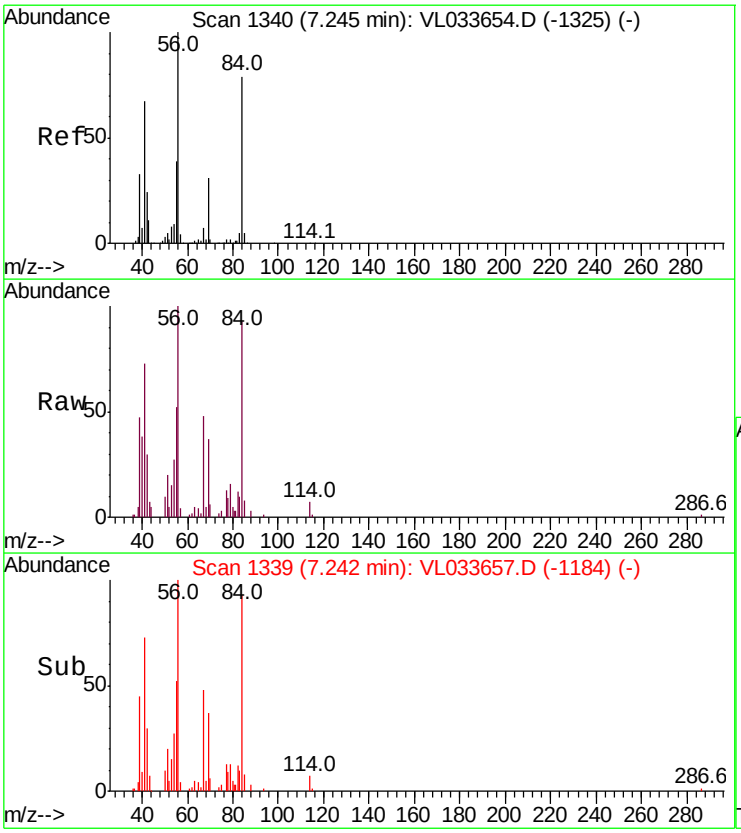
#29
Chloroform
Concen: 0.550 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 83 Resp: 97332

Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.6	78.8



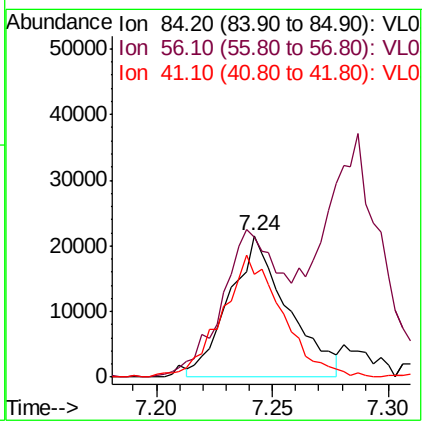
Instrument :
MSVOA_L
ClientSampleId :

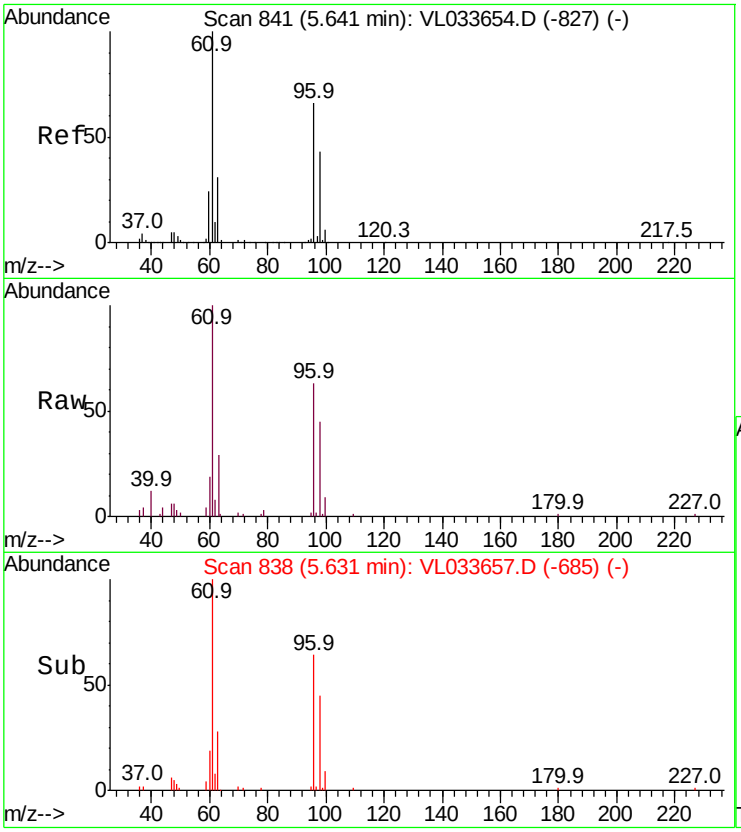


#30
Cyclohexane
Concen: 0.457 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 84 Resp: 37551

Ion	Ratio	Lower	Upper
84	100		
56	122.0	107.0	160.4
41	90.2	66.6	99.8



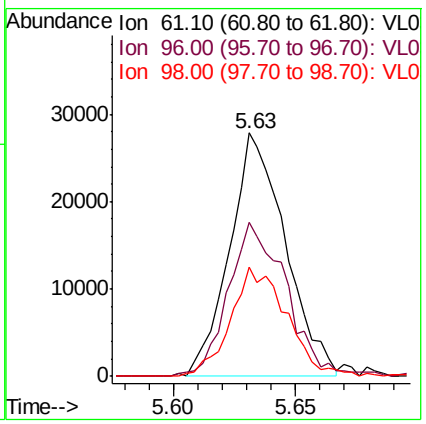


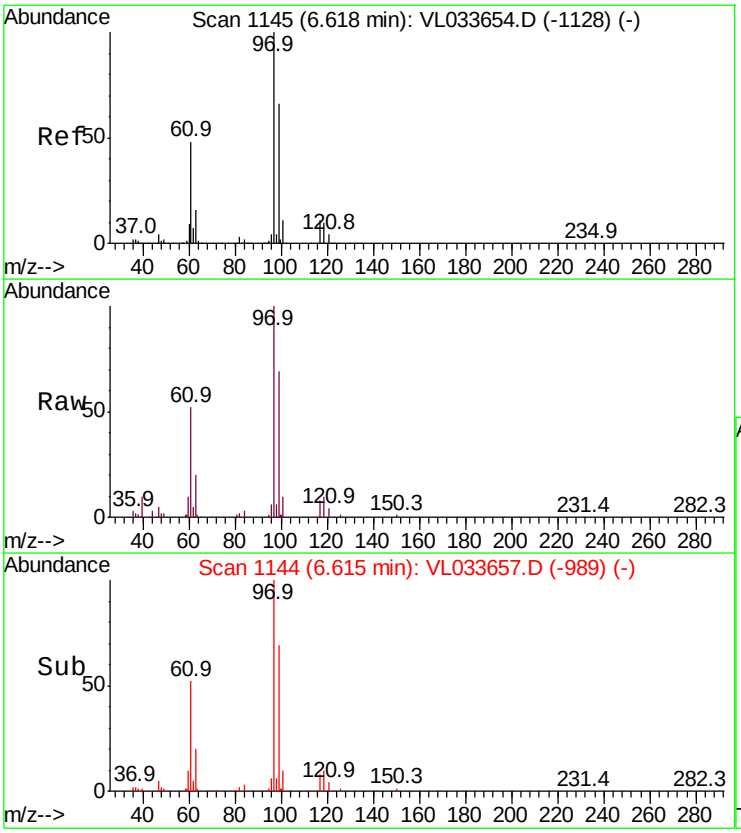
#31
cis-1,2-Dichloroethene
Concen: 0.452 ppbv
RT: 5.63 min Scan# 838
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 44100

Ion	Ratio	Lower	Upper
61	100		
96	63.1	53.2	79.8
98	44.7	34.2	51.4

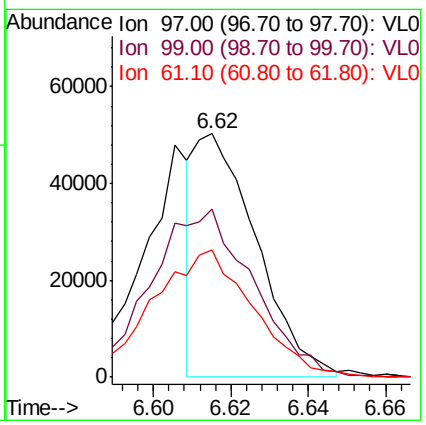


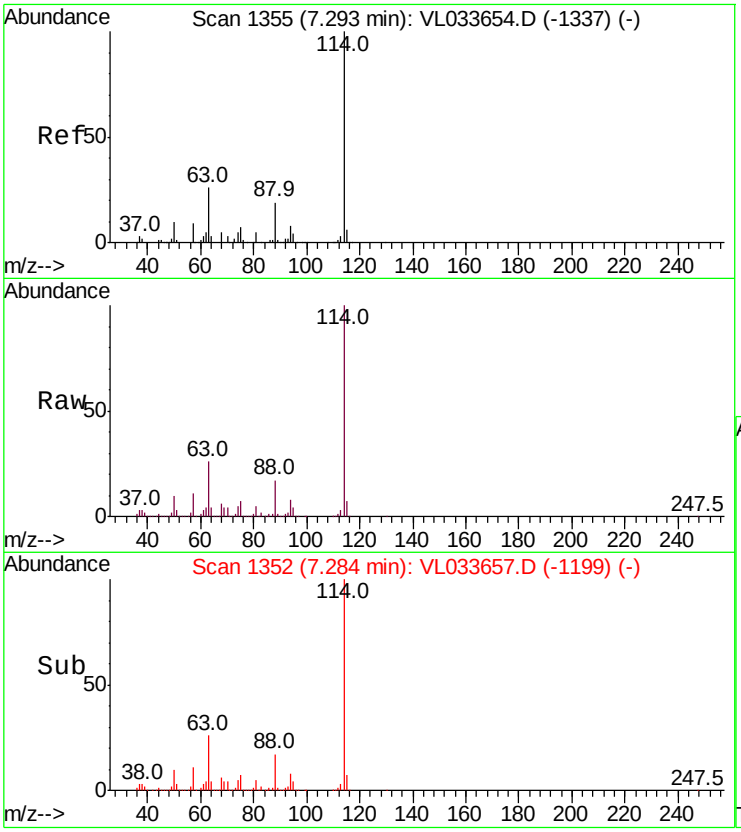


#32
1,1,1-Trichloroethane
Concen: 0.297 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 97 Resp: 55161

Ion	Ratio	Lower	Upper
97	100		
99	117.2	51.5	77.3#
61	87.6	38.5	57.7#



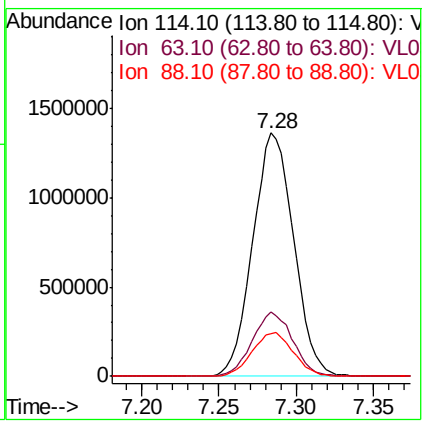


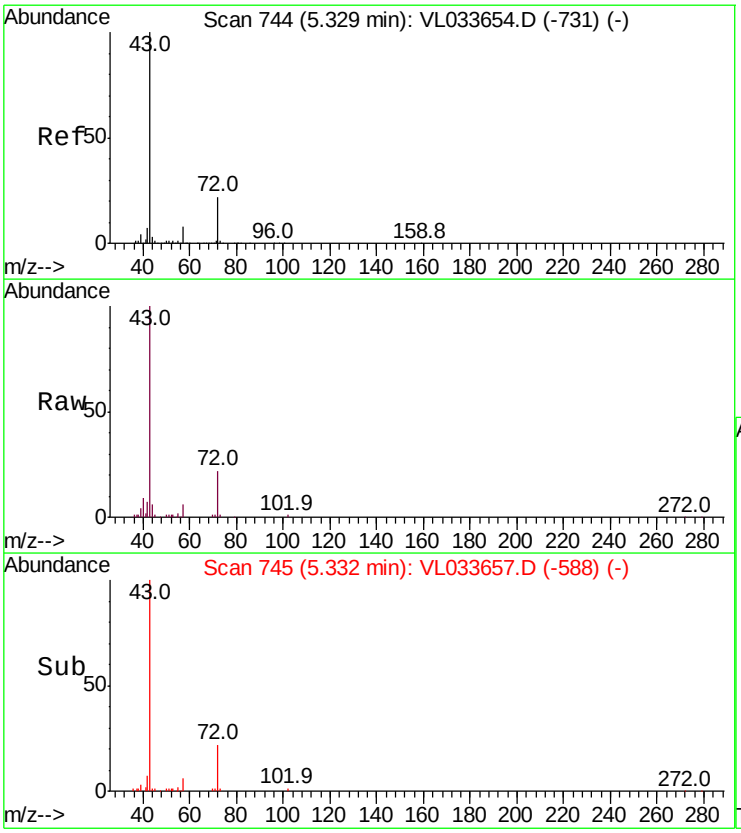
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2505902

Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.2	31.8
88	18.2	14.4	21.6

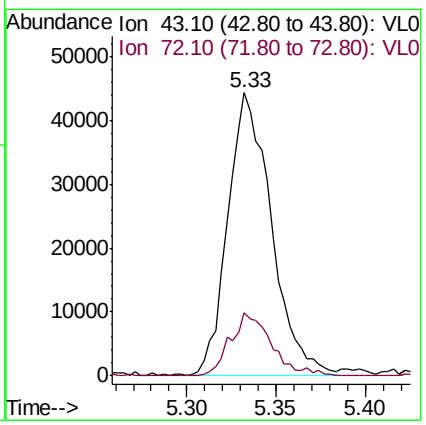


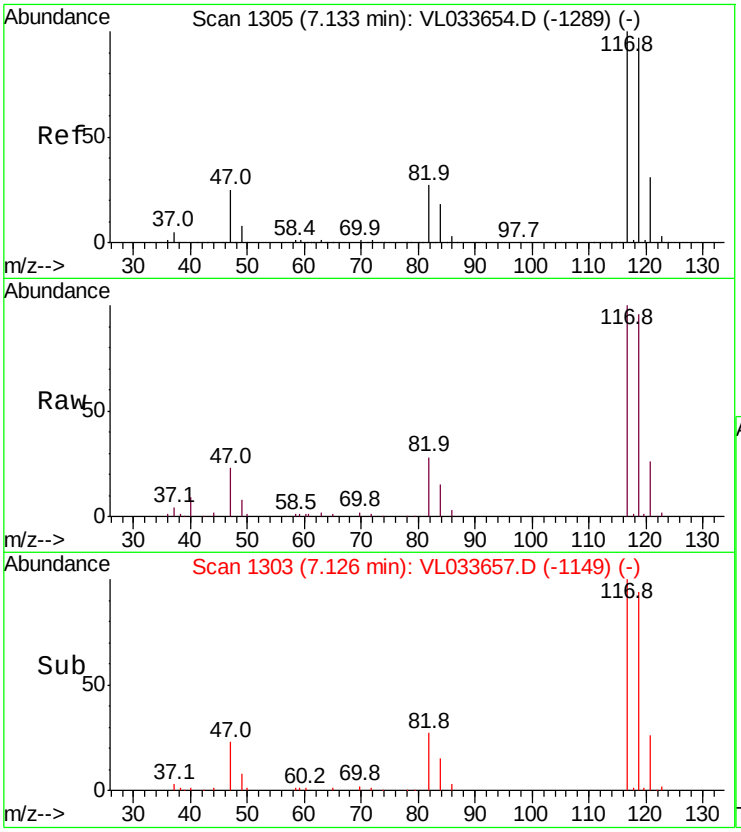


#34
2-Butanone
Concen: 0.486 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 43 Resp: 75407

Ion	Ratio	Lower	Upper
43	100		
72	20.9	17.4	26.2



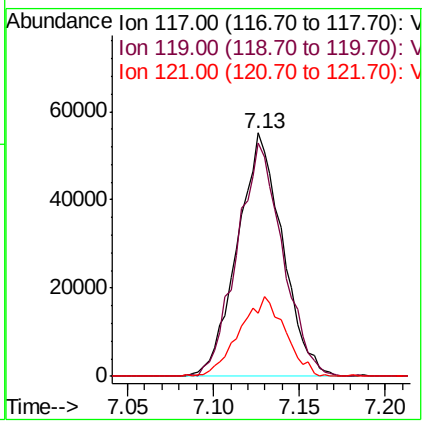


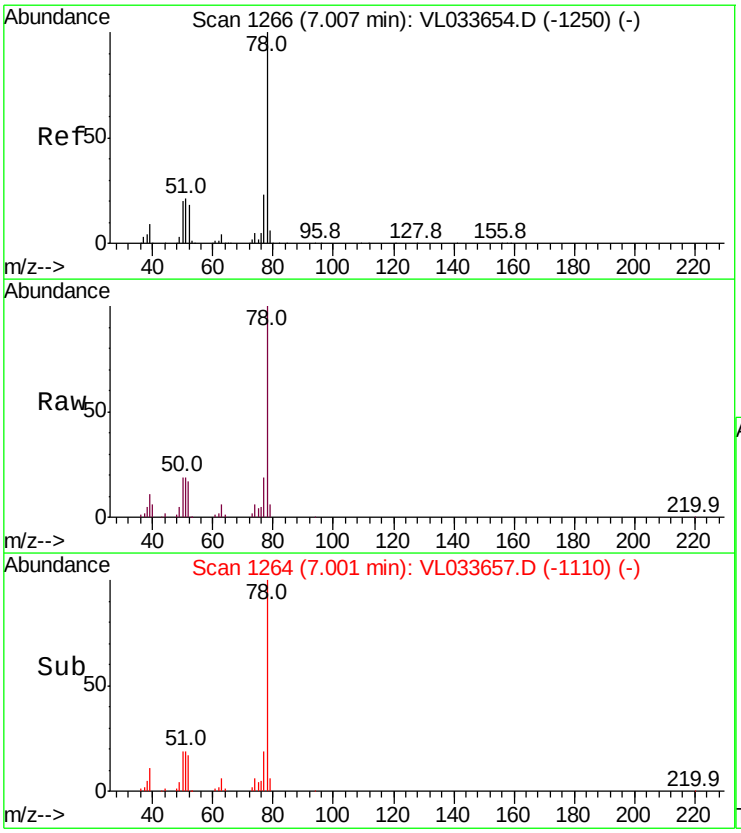
#35
Carbon Tetrachloride
Concen: 0.497 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 99898

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.9	116.9
121	26.0	25.0	37.6

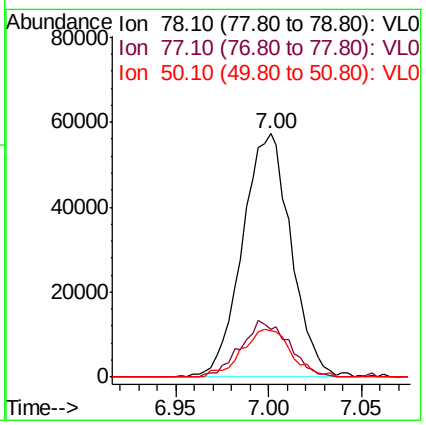


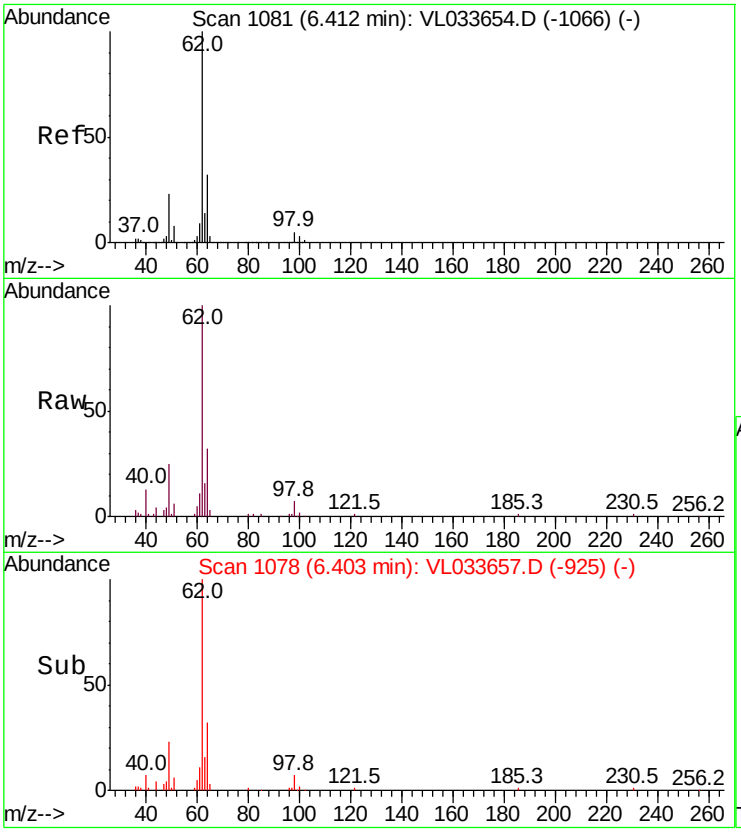


#36
Benzene
Concen: 0.480 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 78 Resp: 104185

Ion	Ratio	Lower	Upper
78	100		
77	19.4	18.2	27.2
50	19.2	15.8	23.6



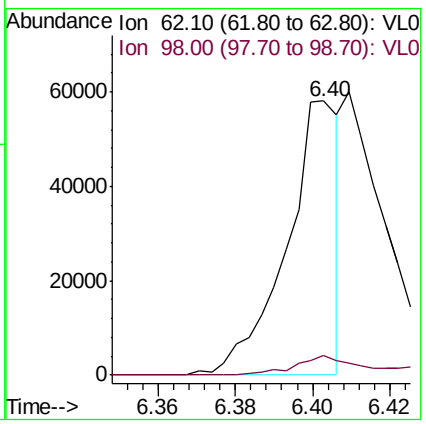


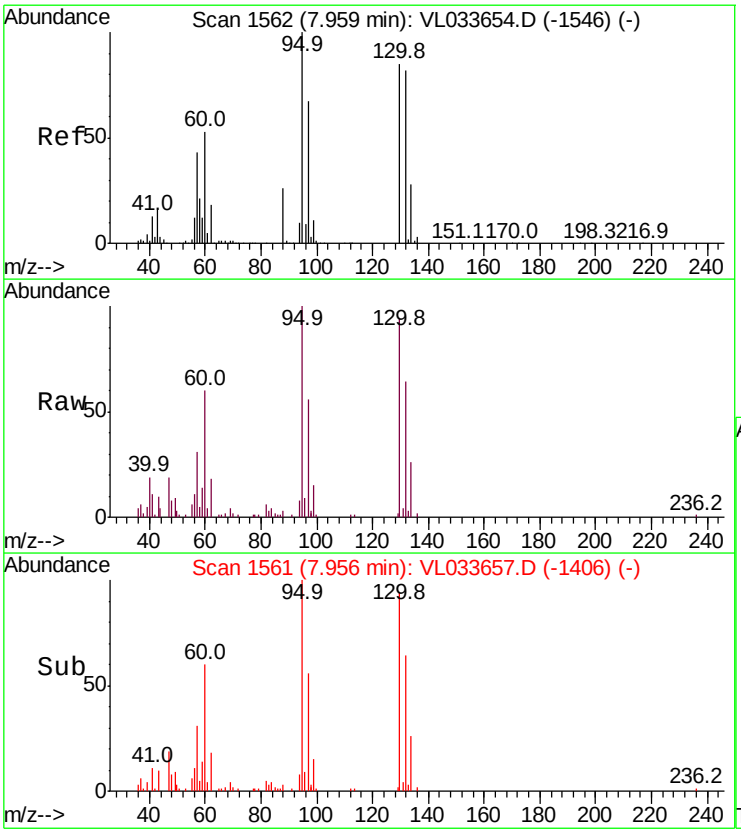
#37
1,2-Dichloroethane
Concen: 0.379 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 54640

Ion	Ratio	Lower	Upper
62	100		
98	10.3	4.5	6.7#

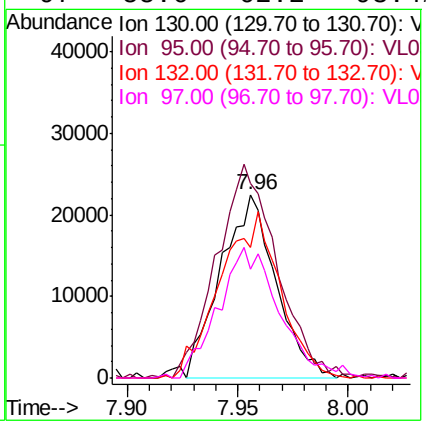


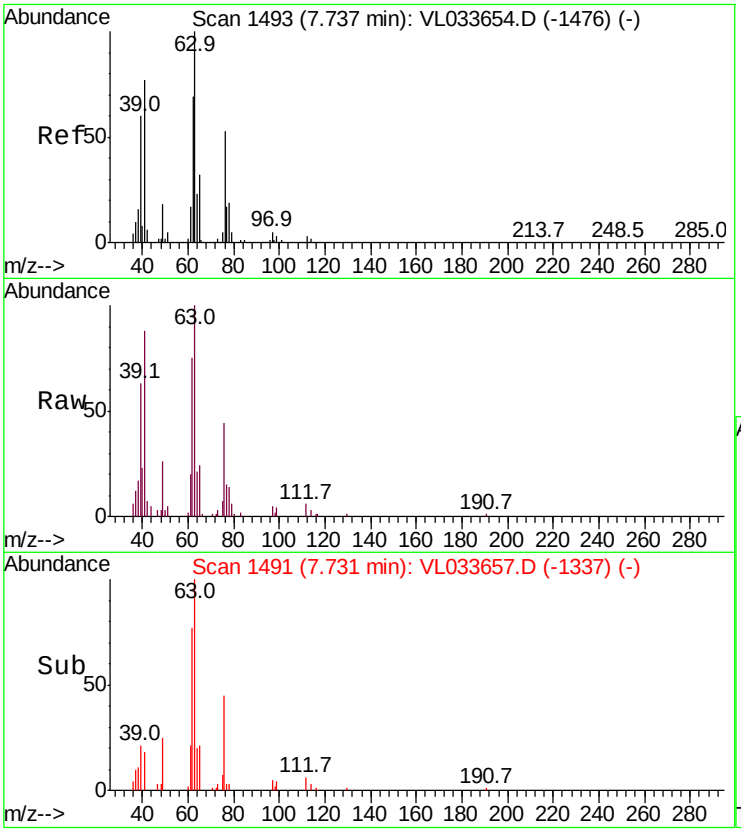


#38
Trichloroethene
Concen: 0.453 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:130 Resp: 39050

Ion	Ratio	Lower	Upper
130	100		
95	100.1	93.4	140.0
132	69.7	76.2	114.4#
97	55.6	62.2	93.4#



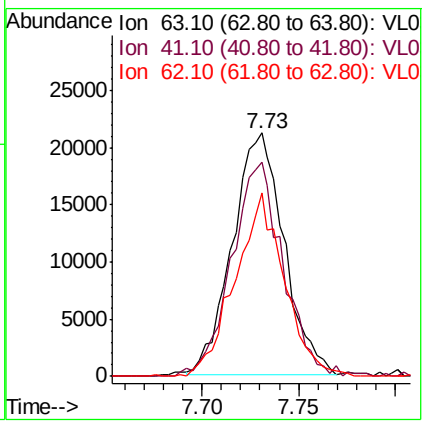


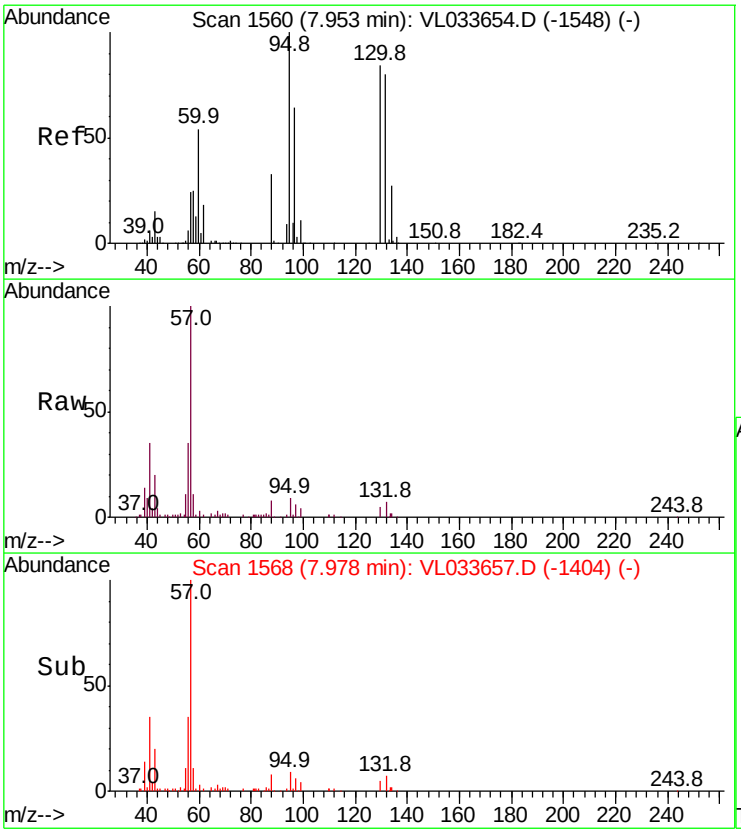
#39
1,2-Dichloropropane
Concen: 0.481 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 39144

Ion	Ratio	Lower	Upper
63	100		
41	86.4	61.6	92.4
62	76.6	55.0	82.6

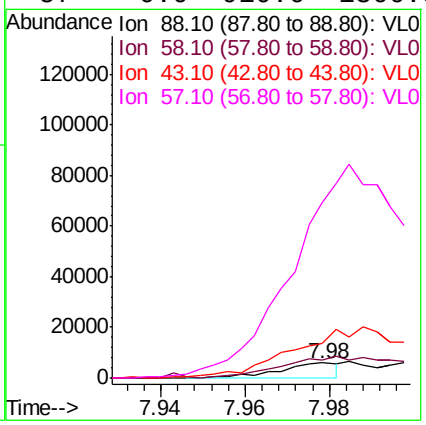


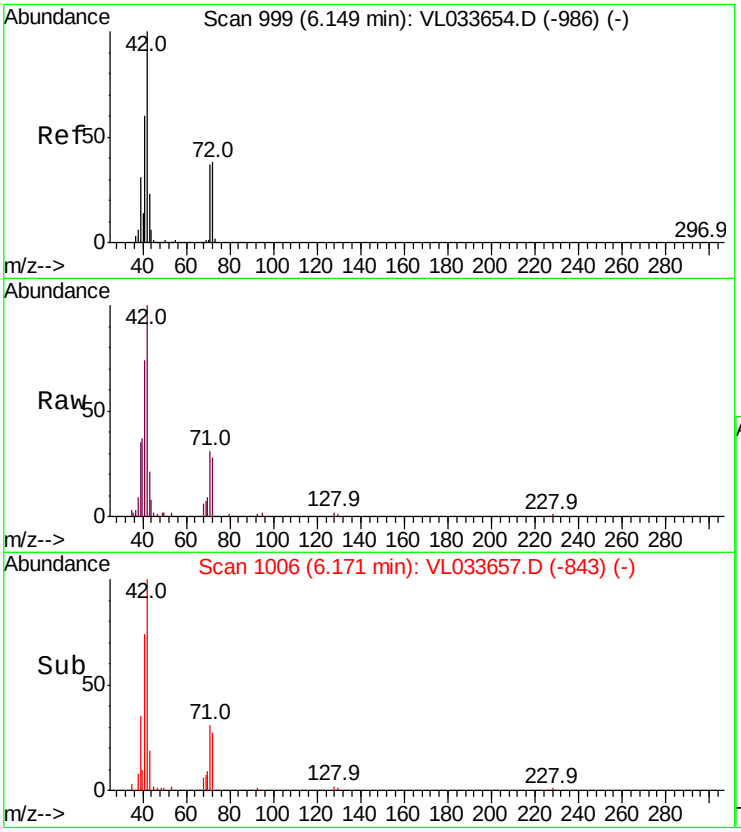


#40
1,4-Dioxane
Concen: 0.184 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. 0.03 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 88 Resp: 6011

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#



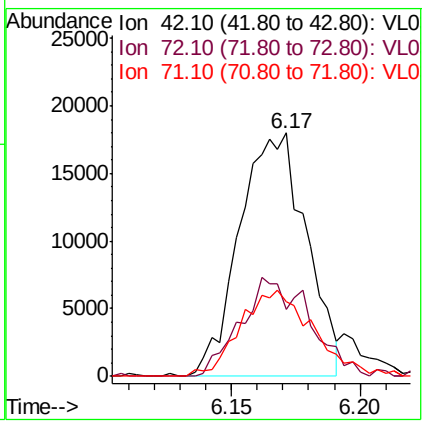


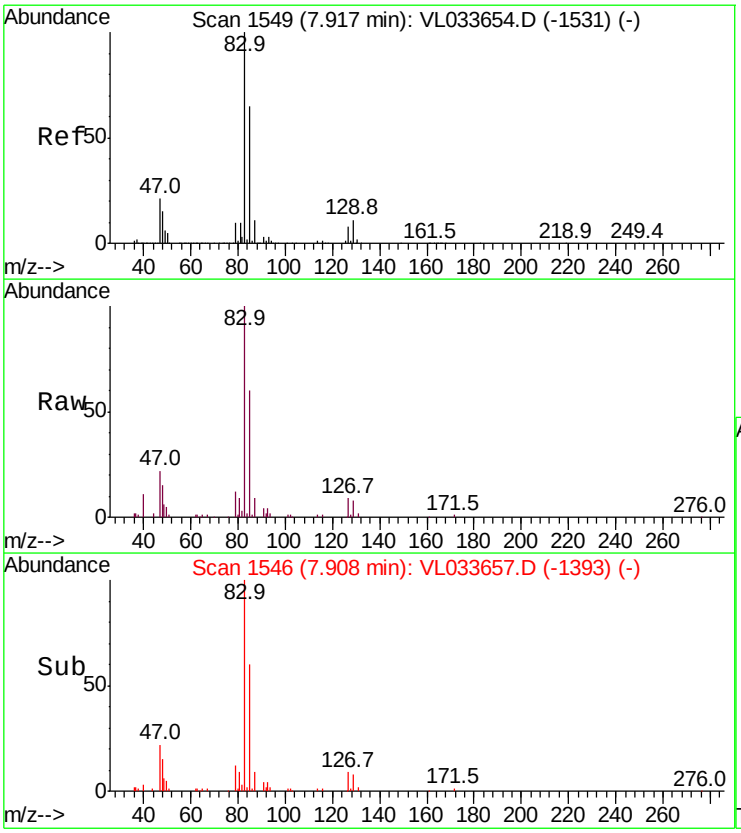
#41
Tetrahydrofuran
Concen: 0.391 ppbv
RT: 6.17 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 32570

Ion	Ratio	Lower	Upper
42	100		
72	43.3	31.6	47.4
71	38.7	30.6	45.8

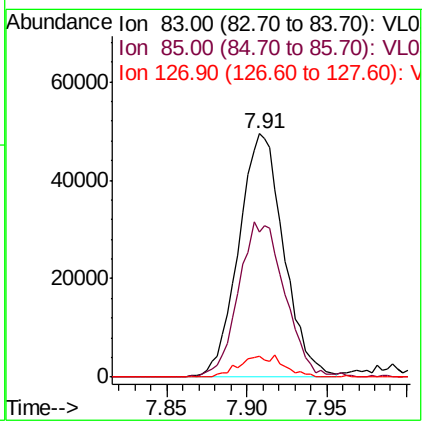


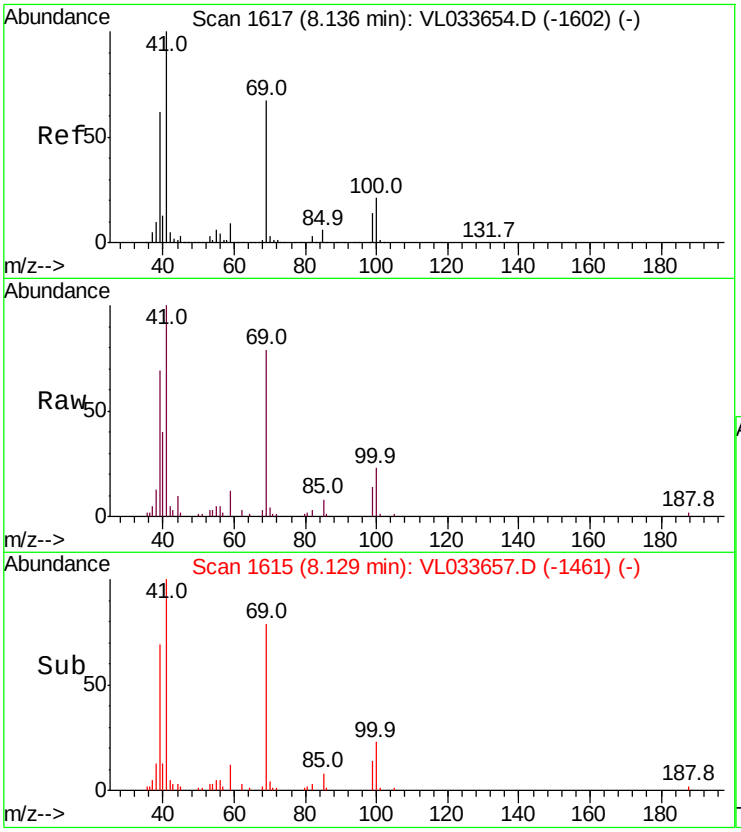


#42
Bromodichloromethane
Concen: 0.487 ppbv
RT: 7.91 min Scan# 1546
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 83 Resp: 95114

Ion	Ratio	Lower	Upper
83	100		
85	59.2	52.4	78.6
127	9.4	6.6	9.8



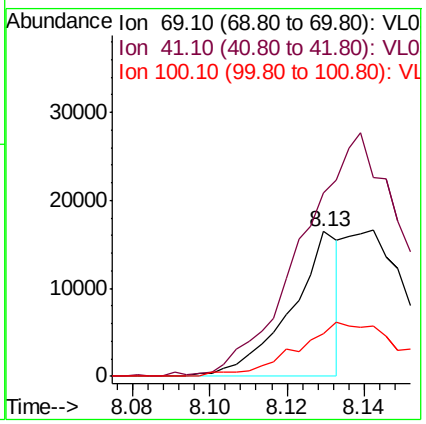


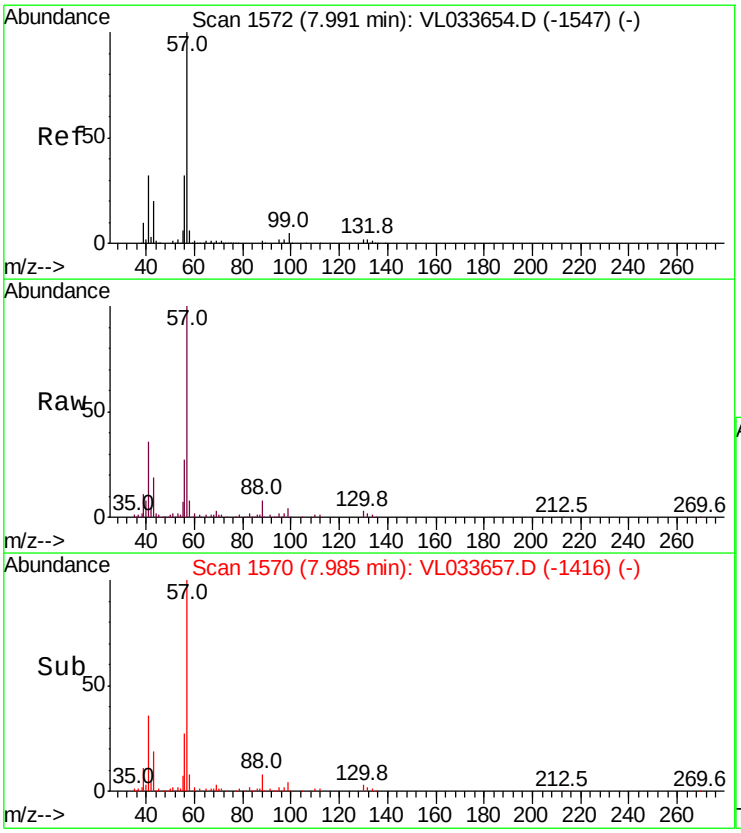
#43
Methyl Methacrylate
Concen: 0.172 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 14104

Ion	Ratio	Lower	Upper
69	100		
41	0.0	116.5	174.7#
100	81.8	24.6	37.0#

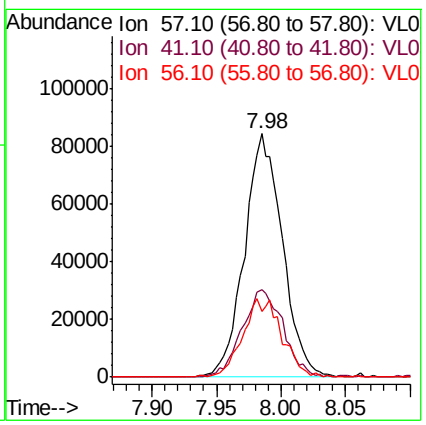


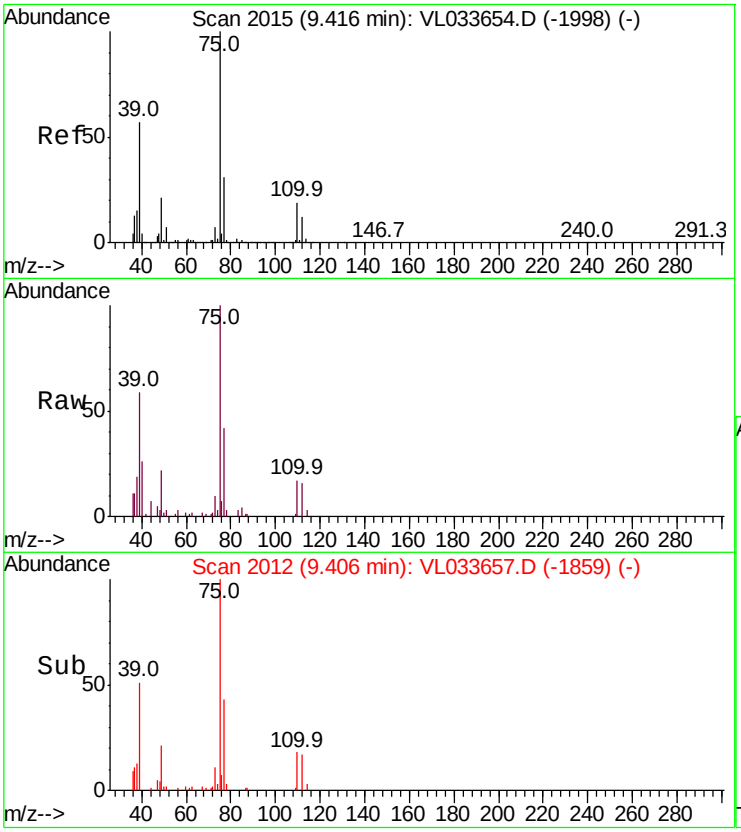


#44
2,2,4-Trimethylpentane
Concen: 0.459 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 57 Resp: 172933

Ion	Ratio	Lower	Upper
57	100		
41	39.2	25.7	38.5#
56	33.2	25.0	37.6



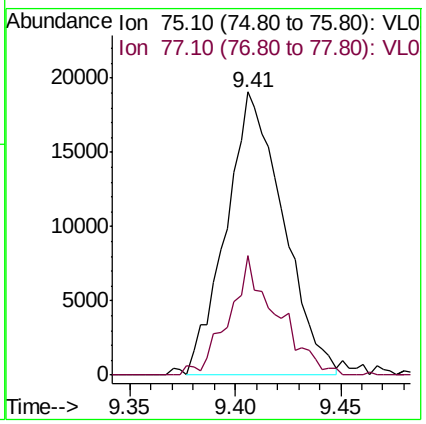


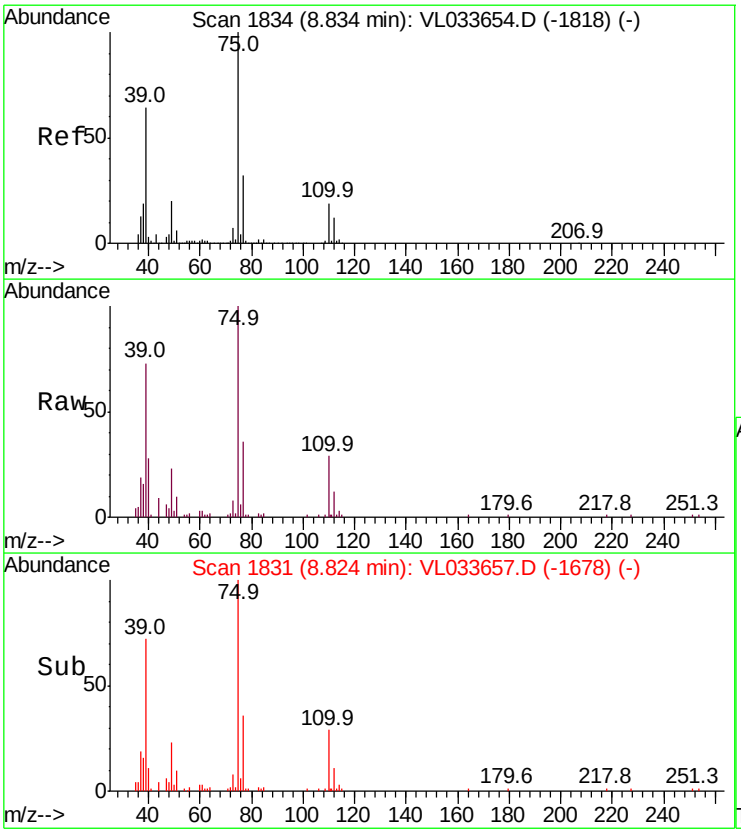
#45
t-1,3-Dichloropropene
Concen: 0.341 ppbv
RT: 9.41 min Scan# 2012
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 35955

Ion	Ratio	Lower	Upper
75	100		
77	42.2	24.7	37.1#

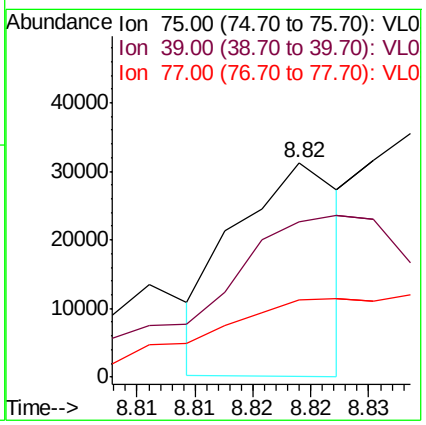


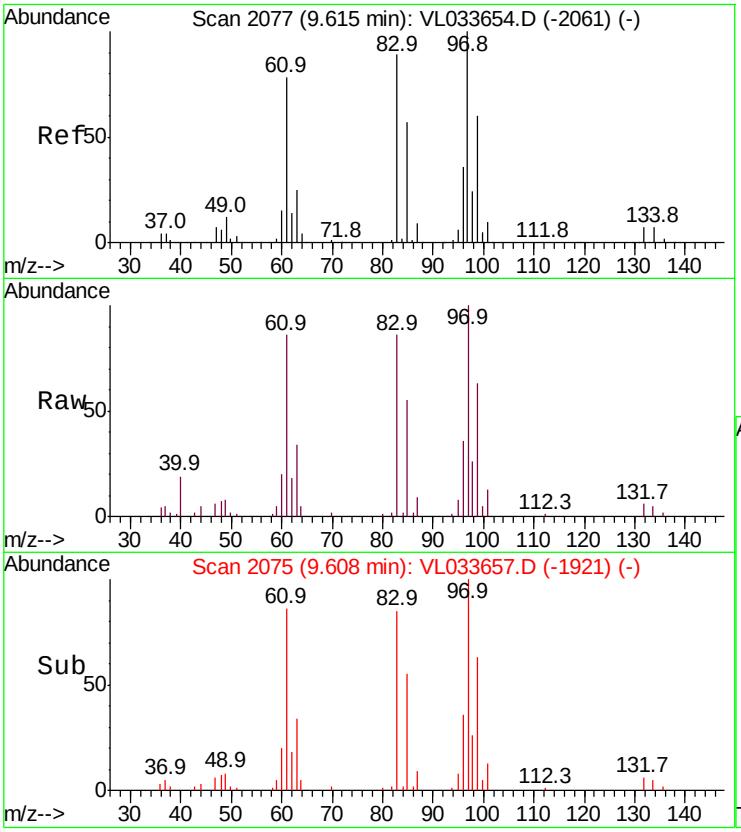


#46
cis-1,3-Dichloropropene
Concen: 0.164 ppbv
RT: 8.82 min Scan# 1831
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 75 Resp: 20013

Ion	Ratio	Lower	Upper
75	100		
39	73.5	51.5	77.3
77	31.7	25.4	38.0



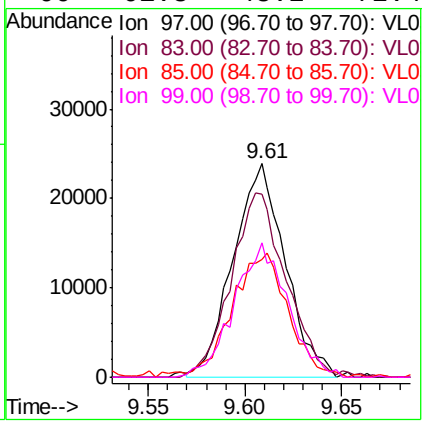


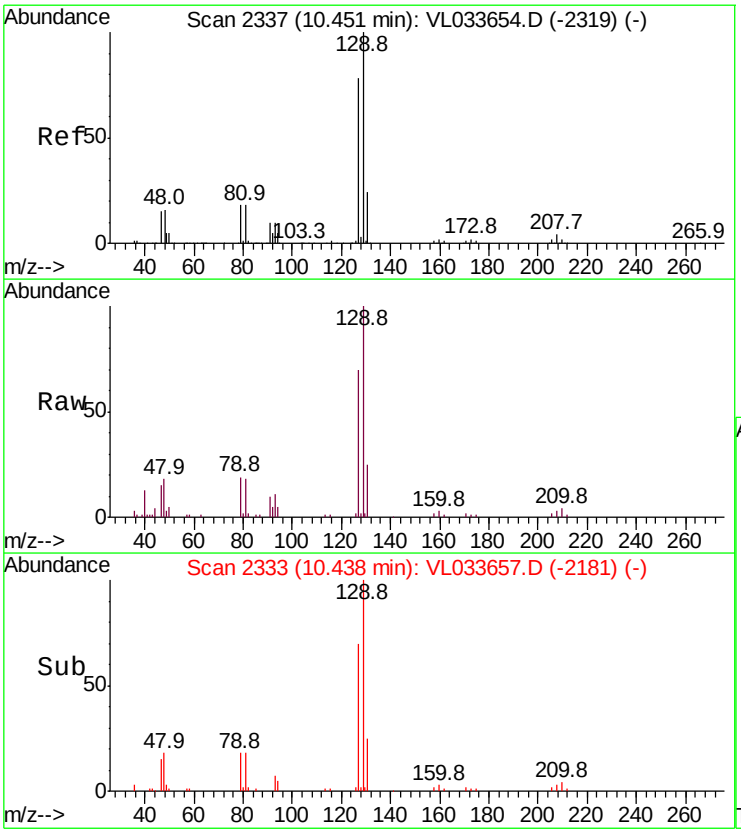
#47
1,1,2-Trichloroethane
Concen: 0.466 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 44845

Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.9	106.3
85	52.6	45.8	68.6
99	61.3	48.2	72.4

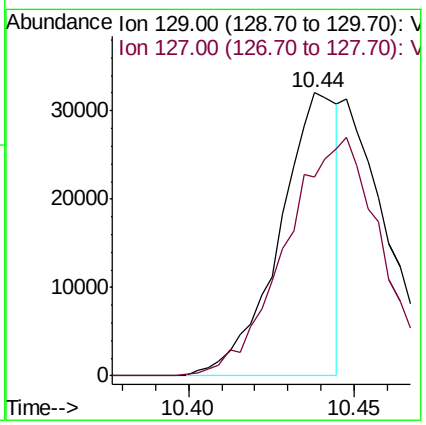


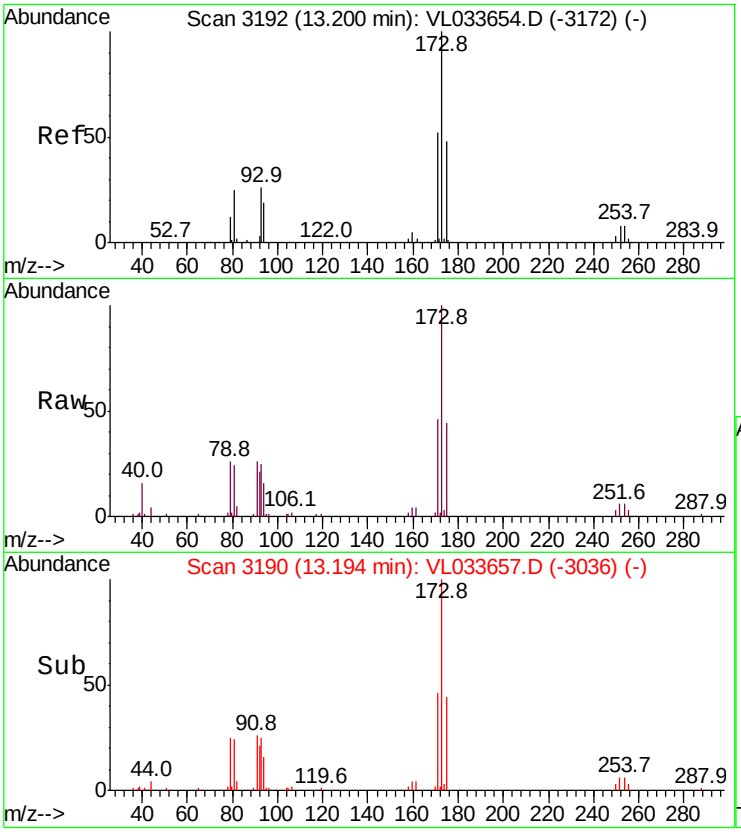


#48
Dibromochloromethane
Concen: 0.241 ppbv
RT: 10.44 min Scan# 2333
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:129 Resp: 38889

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.2#



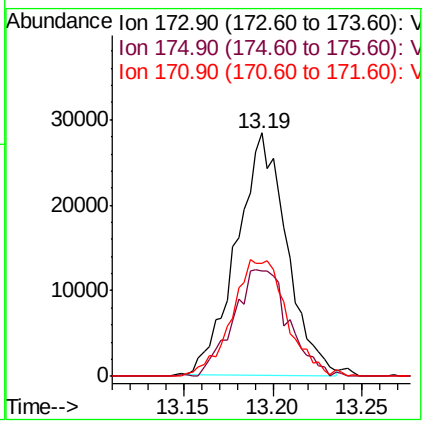


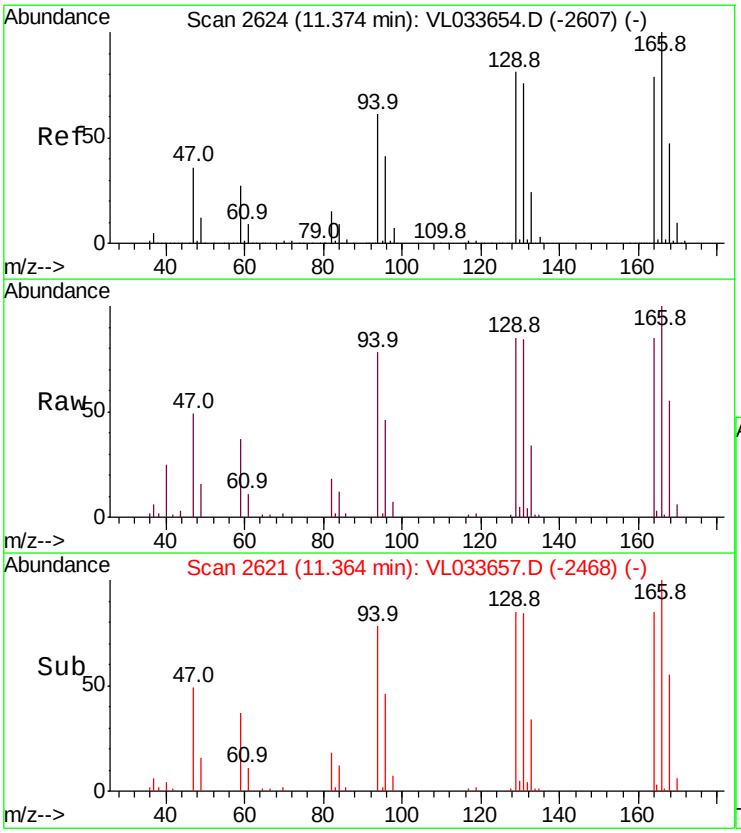
#49
Bromoform
Concen: 0.401 ppbv
RT: 13.19 min Scan# 3190
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 55552

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.3	58.9
171	52.5	41.5	62.3

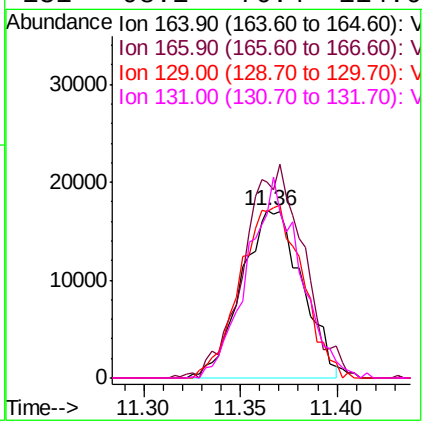


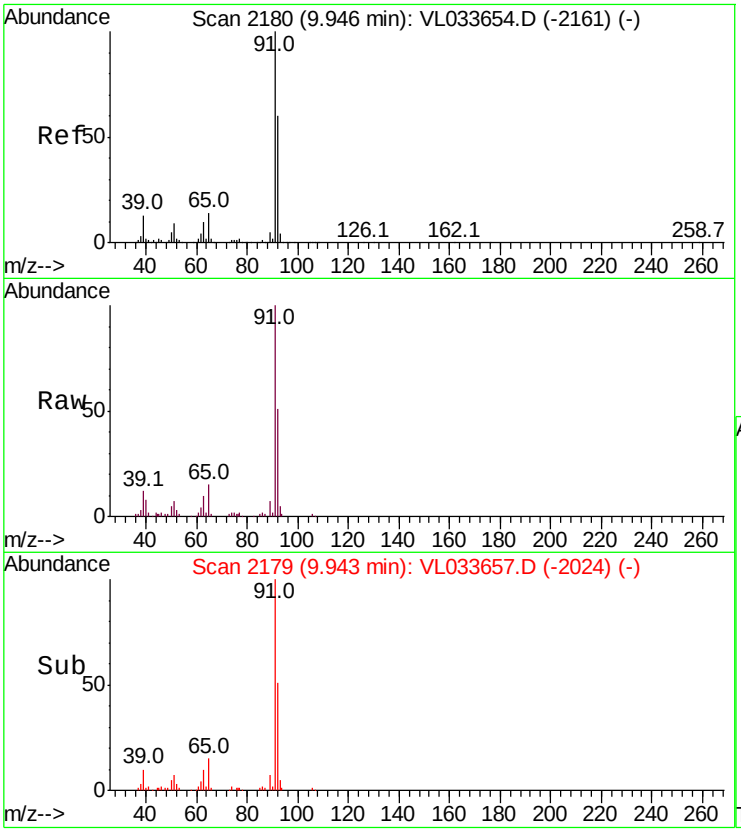


#52
Tetrachloroethene
Concen: 0.452 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:164 Resp: 37133

Ion	Ratio	Lower	Upper
164	100		
166	115.9	100.6	151.0
129	99.5	81.0	121.6
131	98.1	76.4	114.6



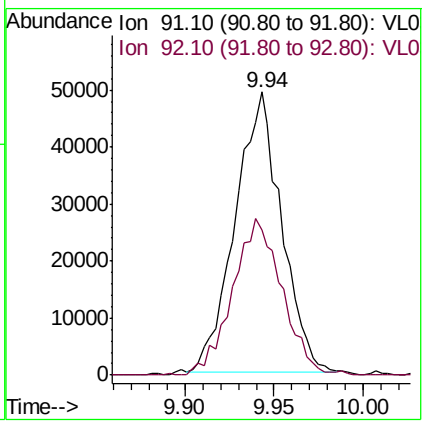


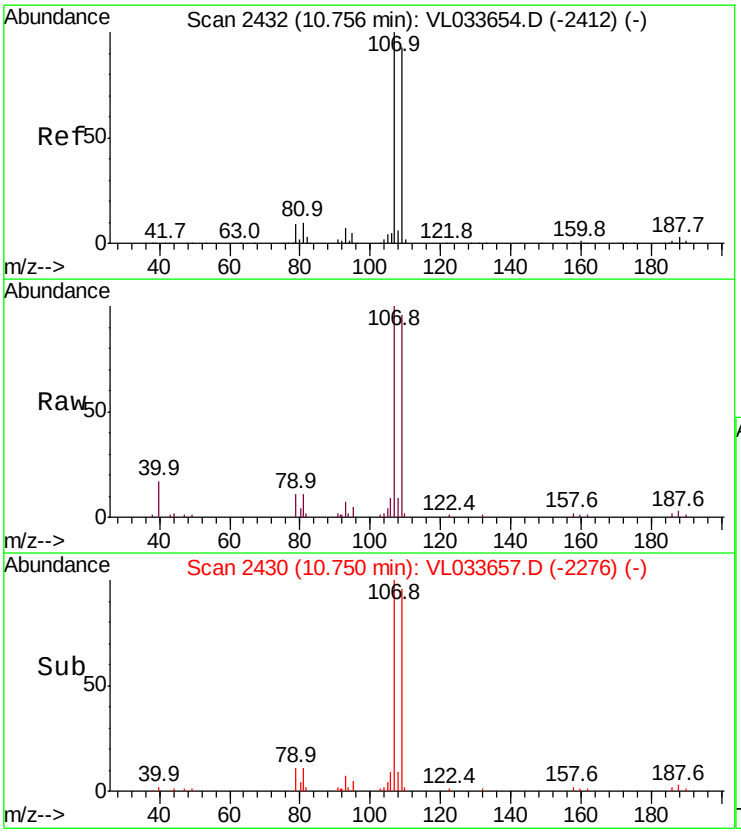
#53
Toluene
Concen: 0.363 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 88802

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.8	71.6

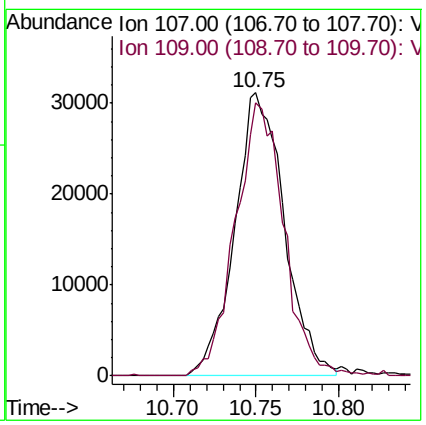


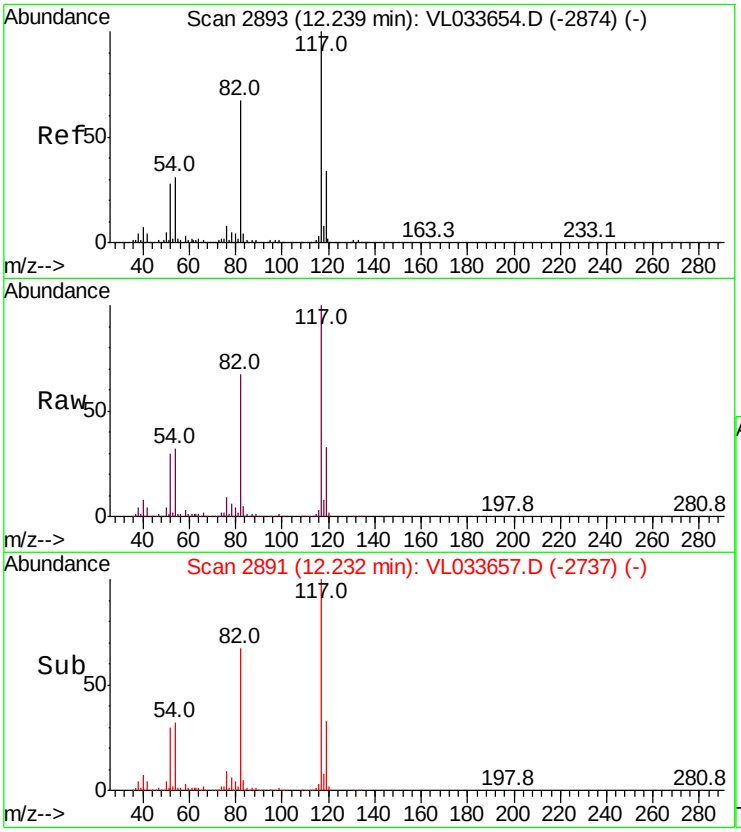


#54
1,2-Dibromoethane
Concen: 0.452 ppbv
RT: 10.75 min Scan# 2430
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:107 Resp: 64885

Ion	Ratio	Lower	Upper
107	100		
109	96.3	74.6	111.8



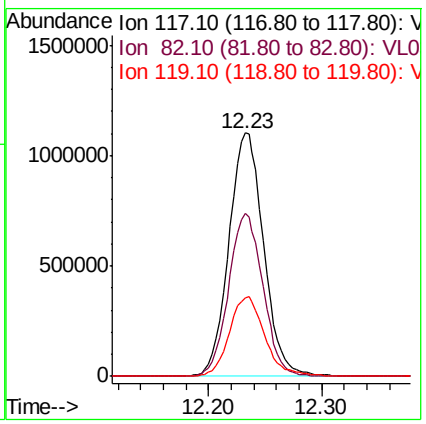


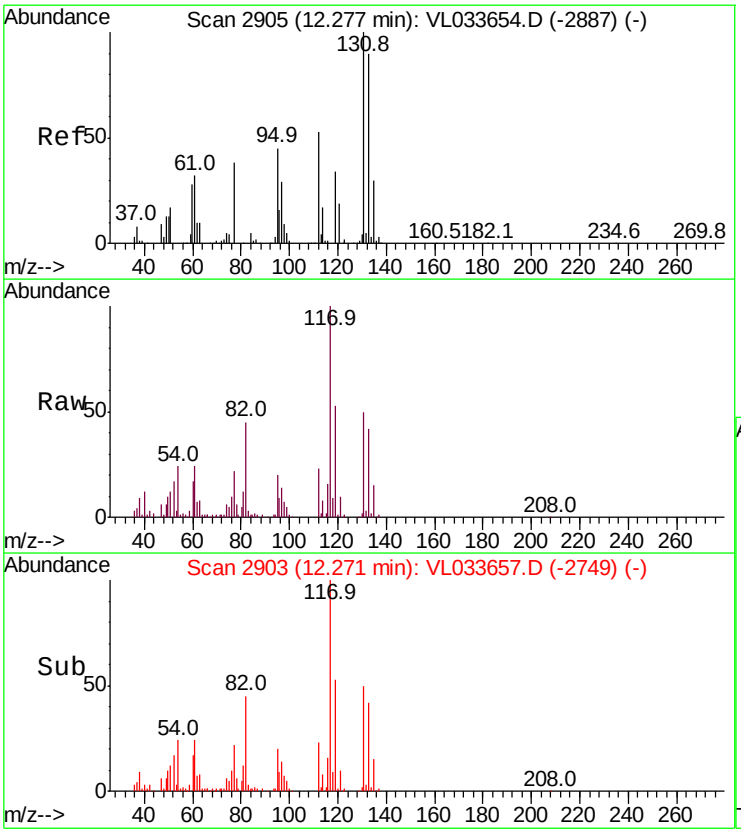
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2356220

Ion	Ratio	Lower	Upper
117	100		
82	66.5	49.7	74.5
119	33.5	23.3	34.9

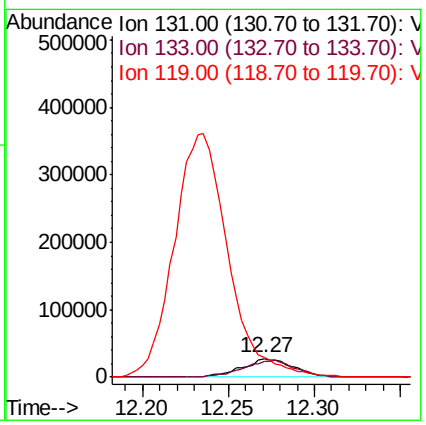


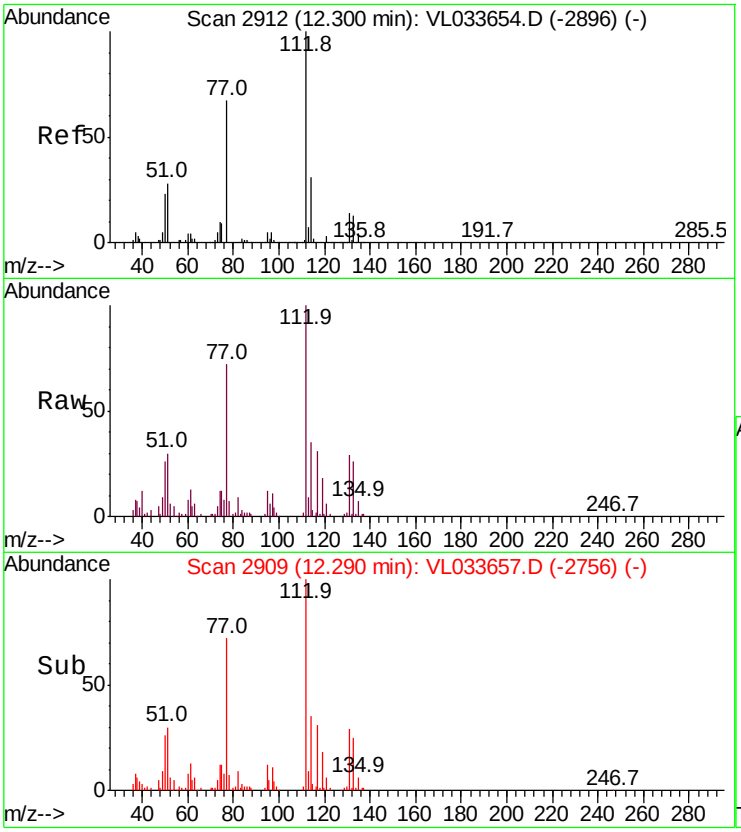


#56
1,1,1,2-Tetrachloroethane
Concen: 0.542 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:131 Resp: 55921

Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.1	114.1
119	1414.6	49.4	74.0#



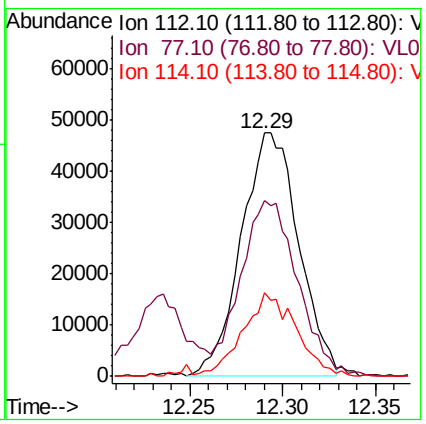


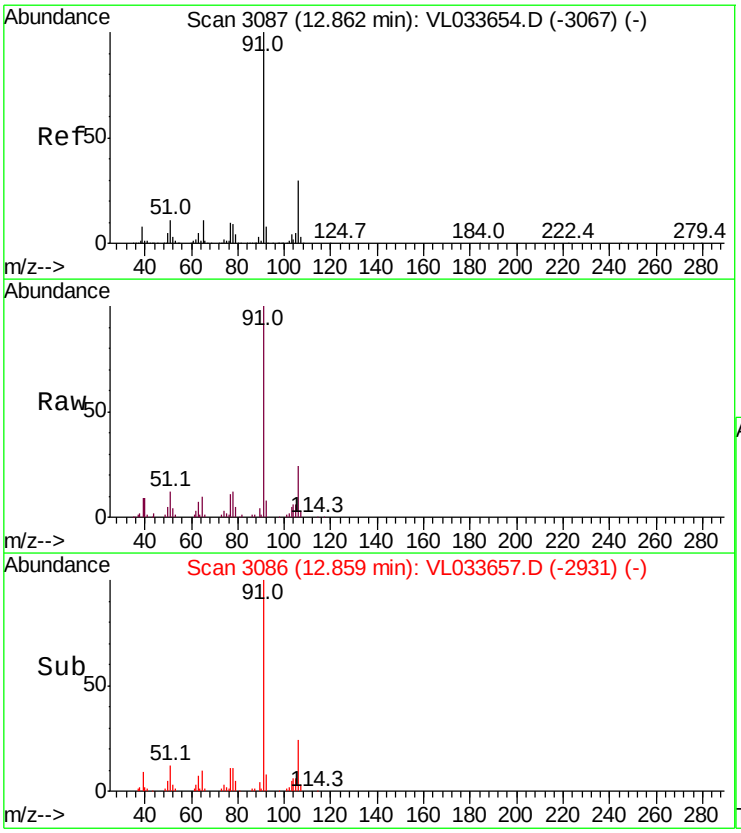
#57
Chlorobenzene
Concen: 0.558 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 102539

Ion	Ratio	Lower	Upper
112	100		
77	63.7	54.4	81.6
114	33.3	28.2	34.4

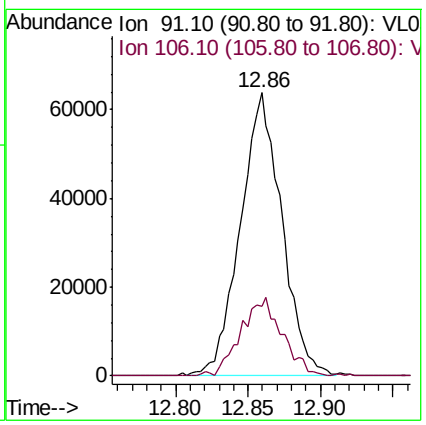


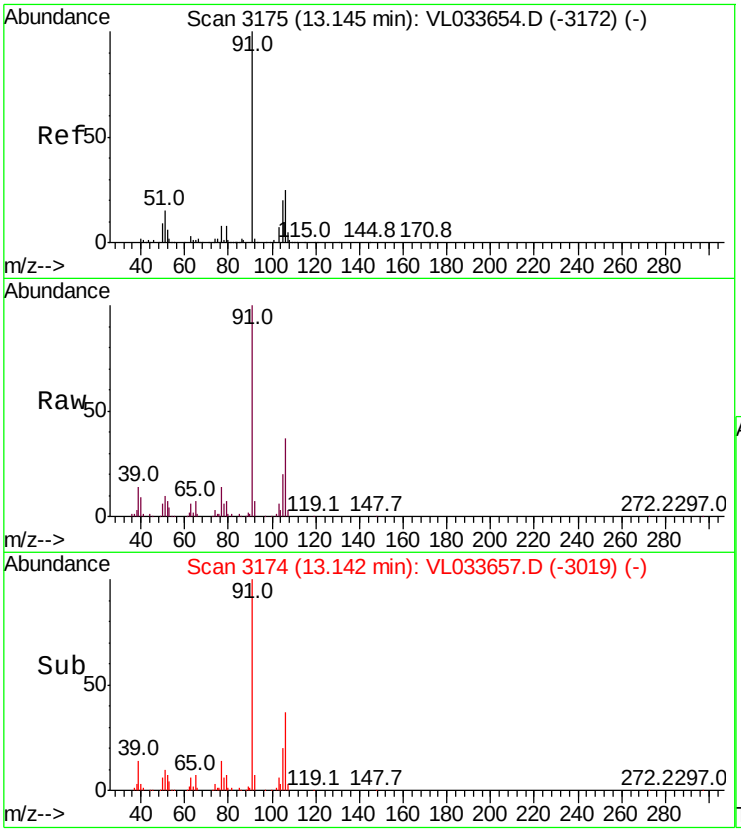


#58
Ethyl Benzene
Concen: 0.429 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 91 Resp: 126944

Ion	Ratio	Lower	Upper
91	100		
106	24.5	23.7	35.5



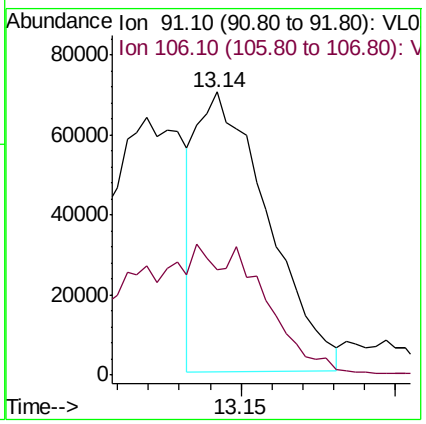


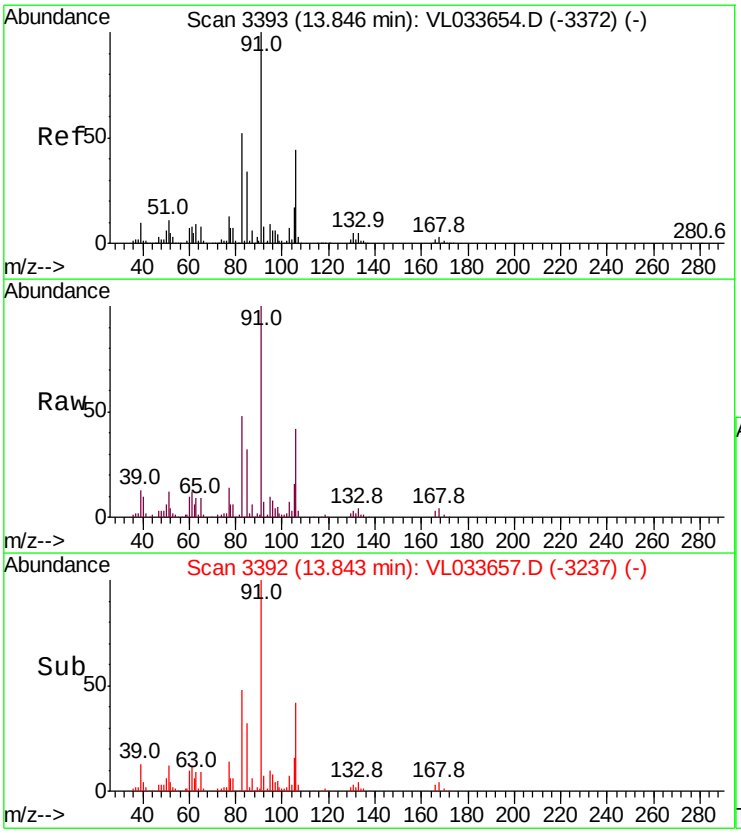
#59
m/p-Xylene
Concen: 0.442 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 112558

Ion	Ratio	Lower	Upper
91	100		
106	93.2	35.9	53.9#

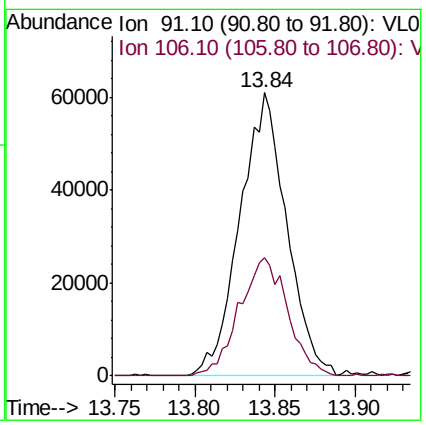


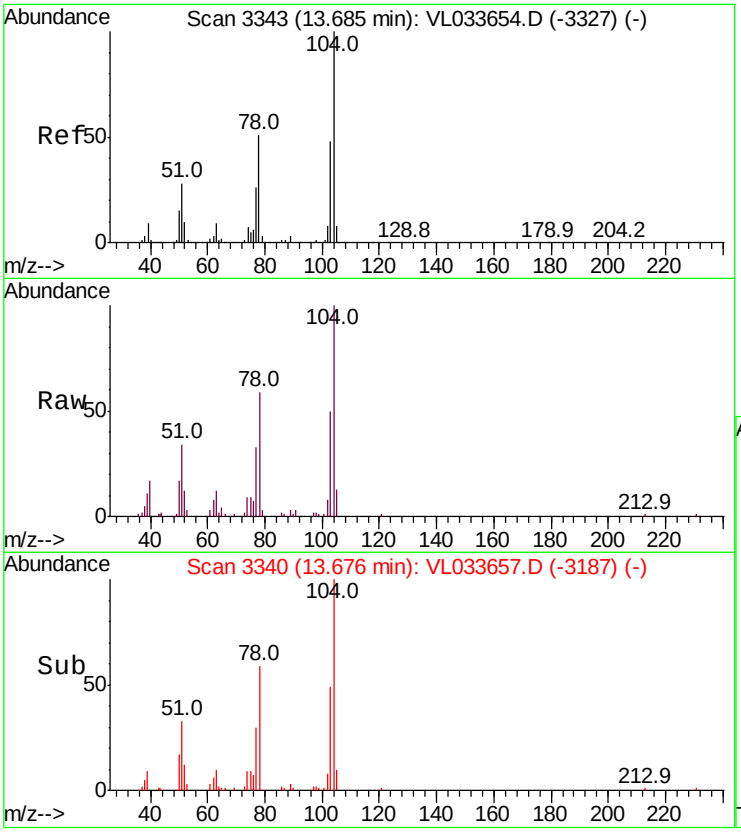


#60
o-Xylene
Concen: 0.477 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 91 Resp: 122260

Ion	Ratio	Lower	Upper
91	100		
106	43.2	21.7	65.1



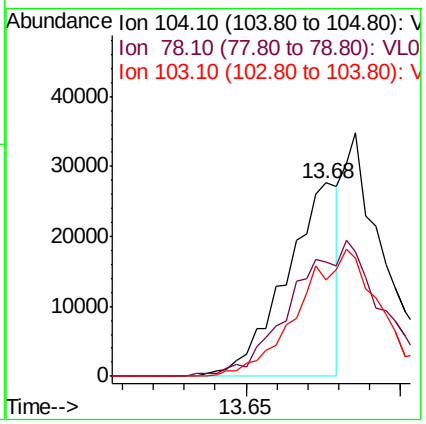


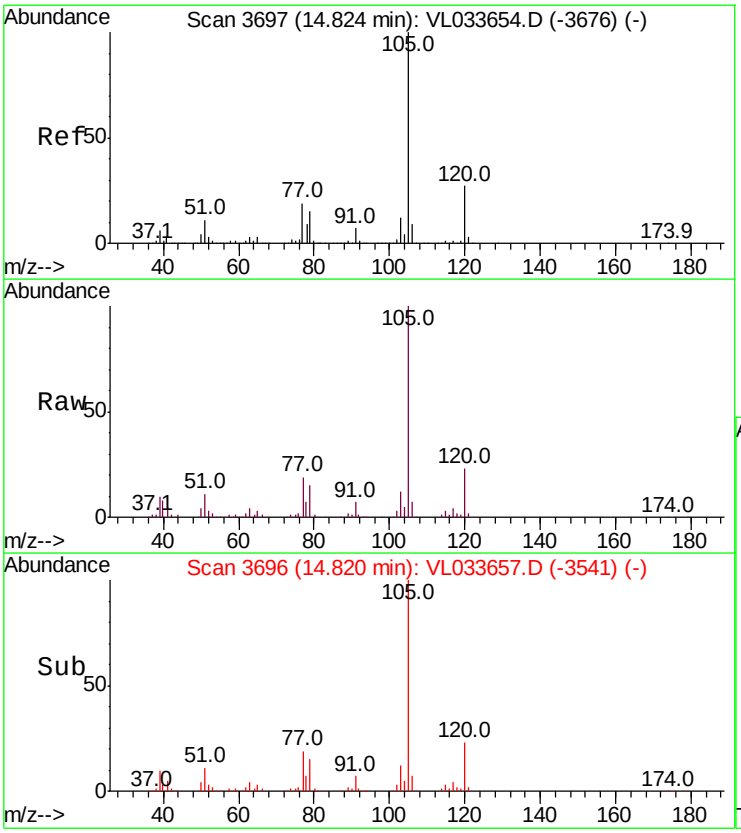
#61
Stvrene
Concen: 0.184 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 32403

Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.0	64.6#
103	0.0	38.1	57.1#

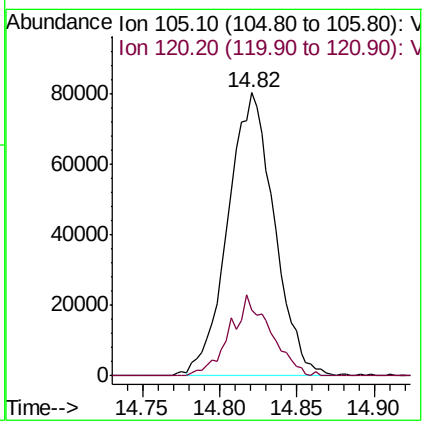


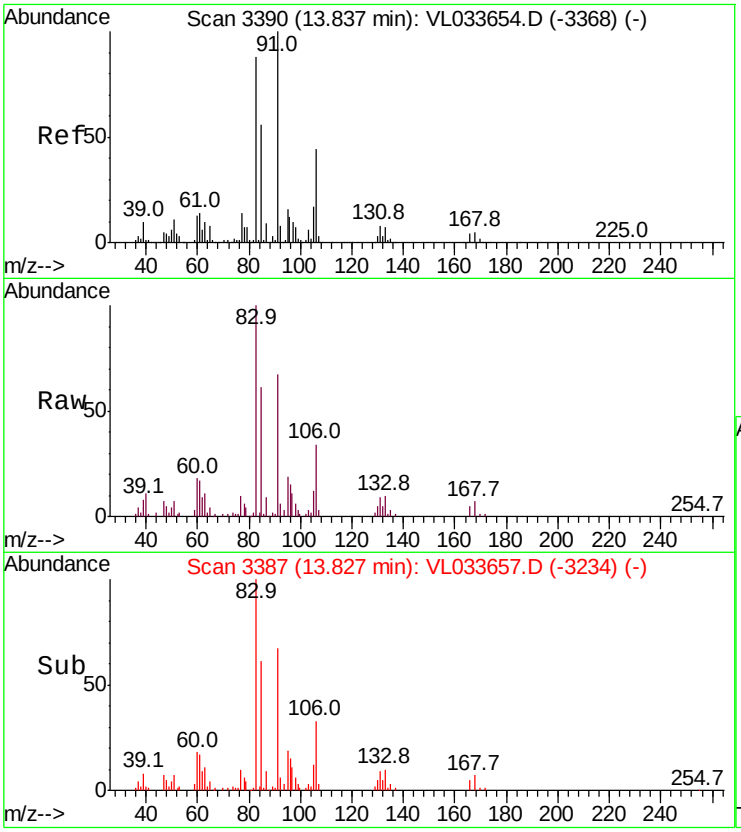


#62
Isopropylbenzene
Concen: 0.484 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:105 Resp: 165533

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.5	30.7



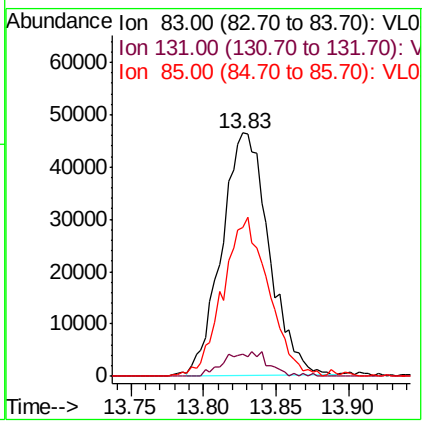


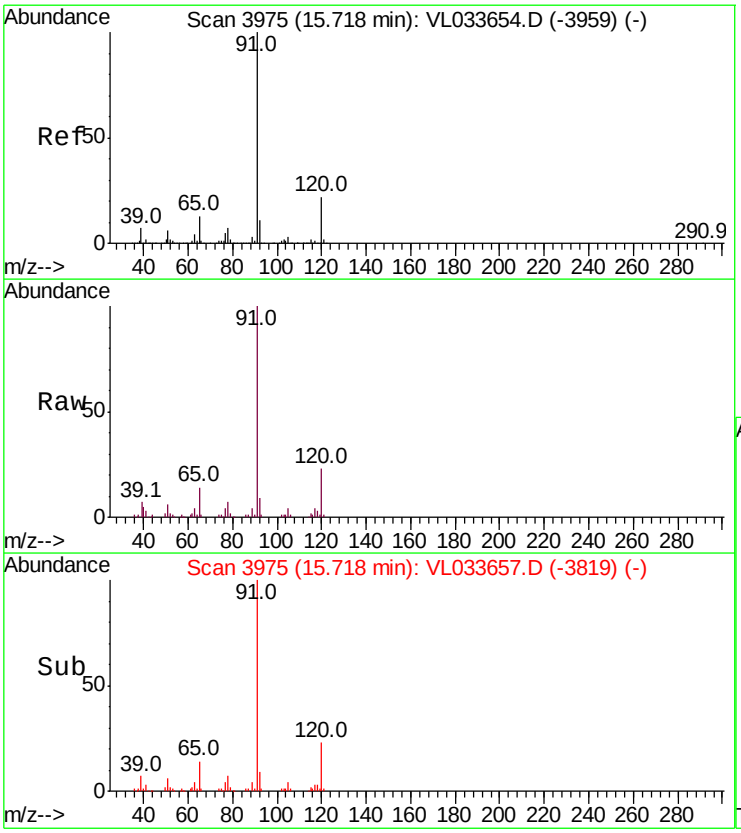
#63
1,1,2,2-Tetrachloroethane
Concen: 0.538 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 104482

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	64.5	32.5	97.5

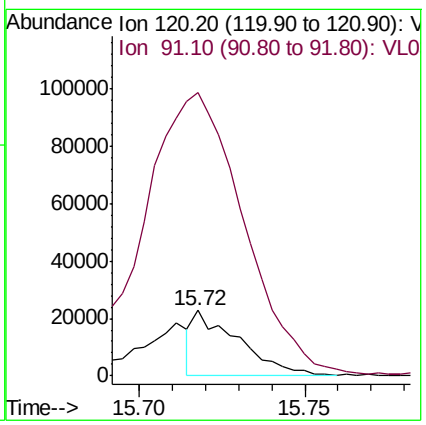


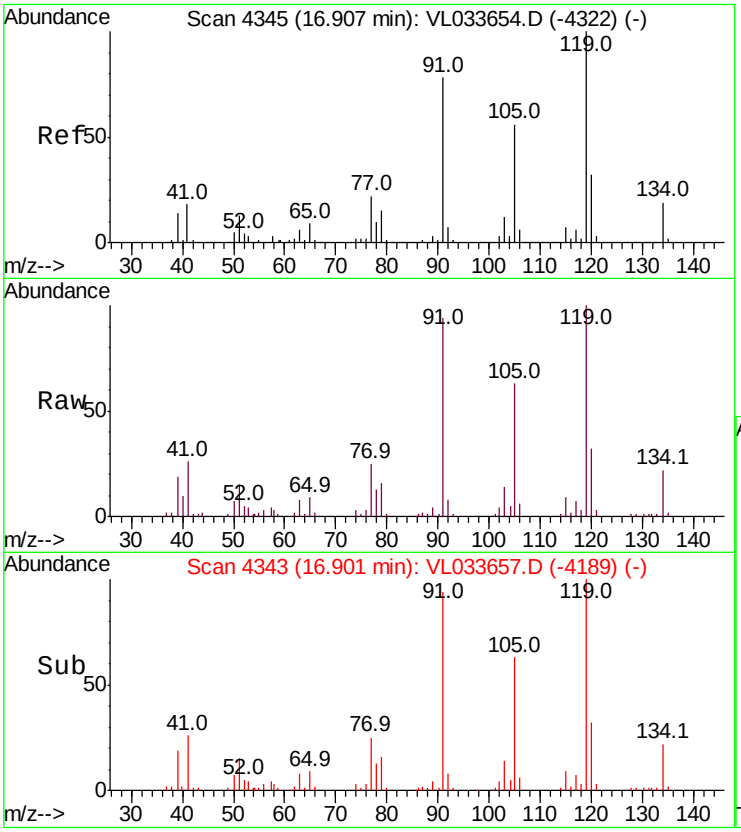


#64
n-propylbenzene
Concen: 0.239 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:120 Resp: 21212

Ion	Ratio	Lower	Upper
120	100		
91	1000.4	379.4	569.2#



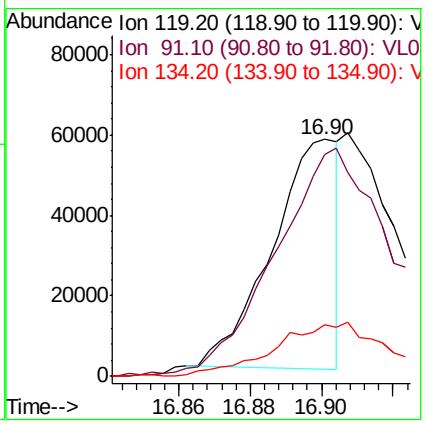


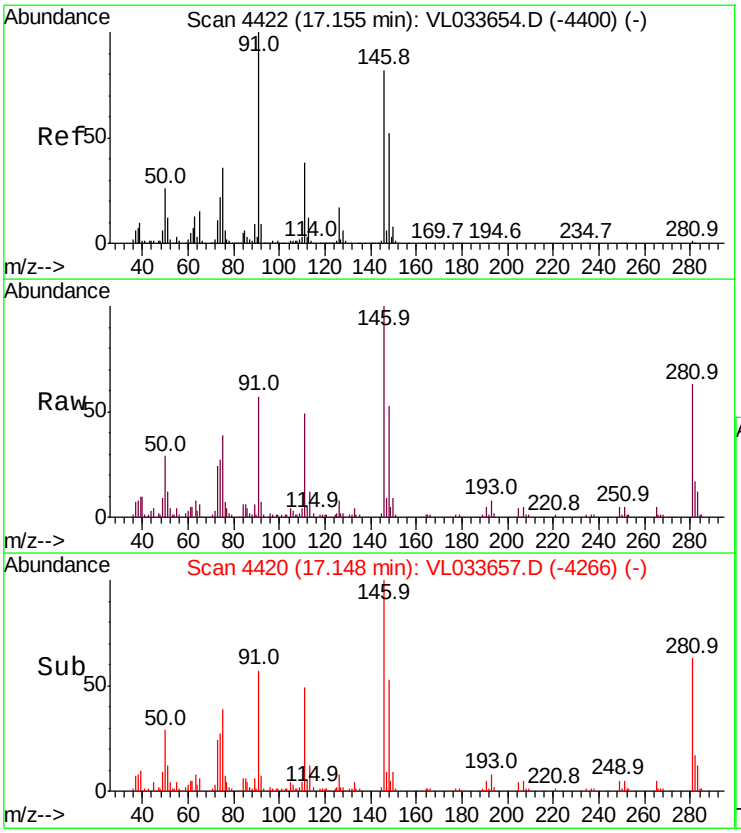
#65
tert-Butylbenzene
Concen: 0.228 ppbv
RT: 16.90 min Scan# 4343
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 72821

Ion	Ratio	Lower	Upper
119	100		
91	181.7	65.9	98.9#
134	0.0	15.5	23.3#

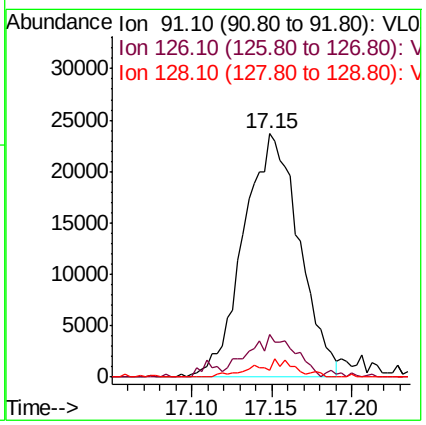


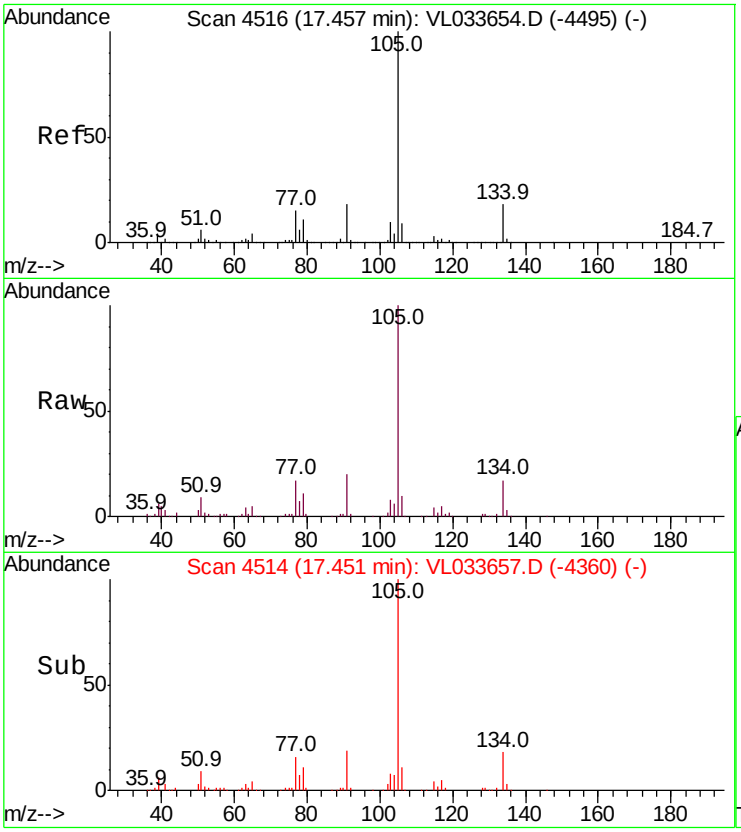


#66
Benzyl Chloride
Concen: 0.384 ppbv
RT: 17.15 min Scan# 4420
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 91 Resp: 56642

Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.4	20.2
128	5.3	4.4	6.6



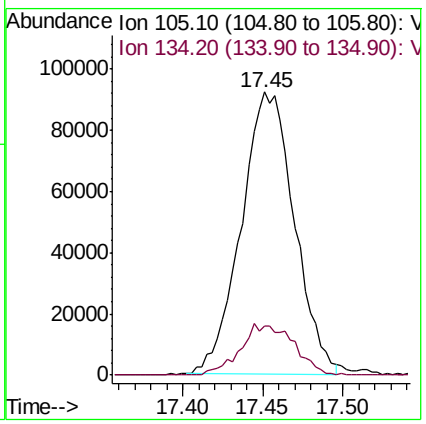


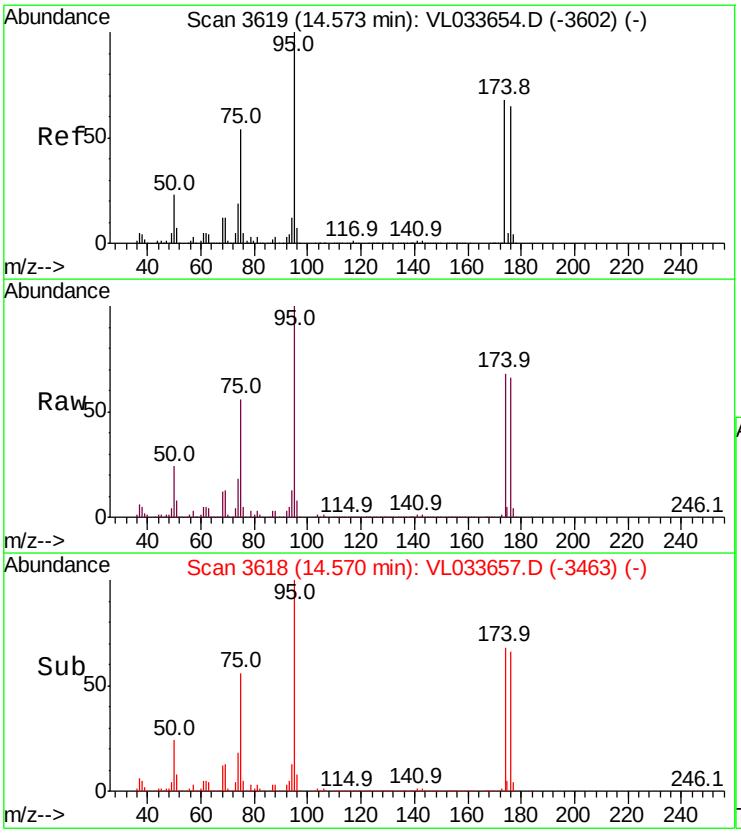
#67
sec-Butylbenzene
Concen: 0.469 ppbv
RT: 17.45 min Scan# 4514
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 210451

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.6	22.0

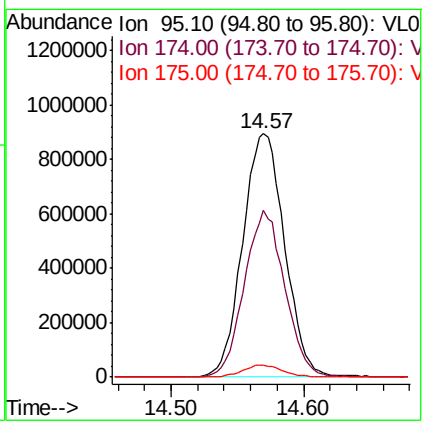


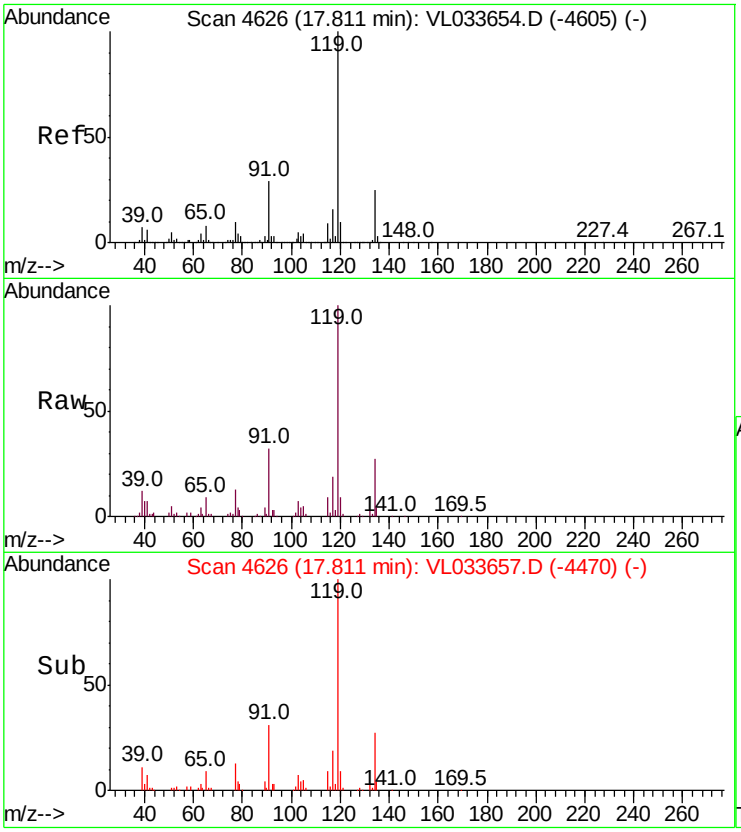


#68
1-Bromo-4-Fluorobenzene
Concen: 10.445 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 95 Resp: 1965043

Ion	Ratio	Lower	Upper
95	100		
174	66.4	54.0	81.0
175	4.7	3.8	5.8



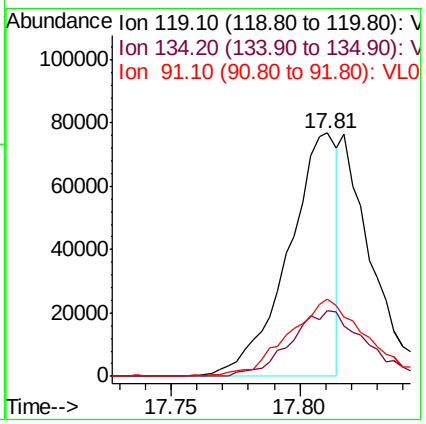


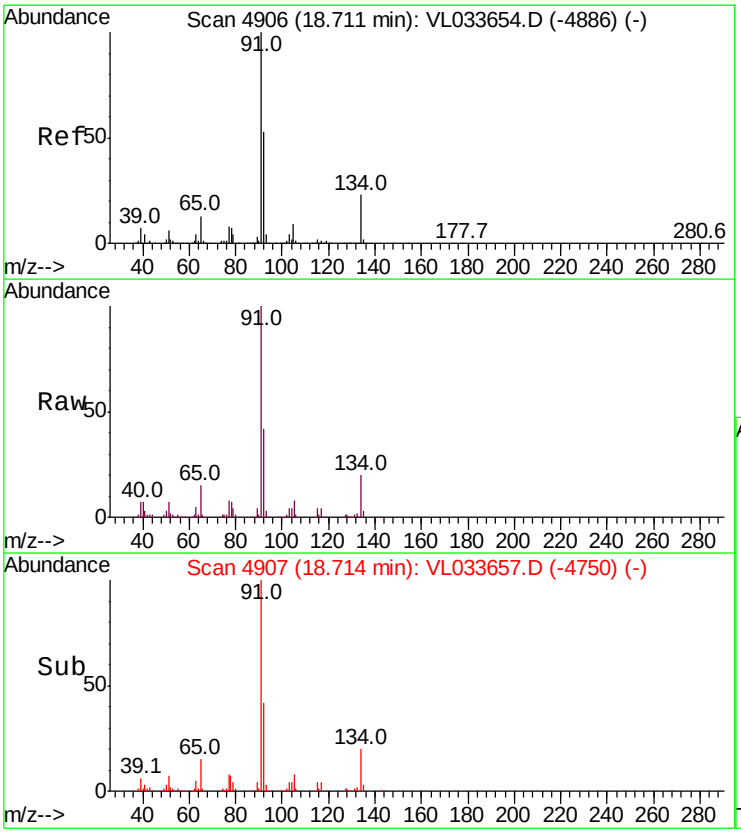
#69
p-Isopropyltoluene
Concen: 0.271 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 101022

Ion	Ratio	Lower	Upper
119	100		
134	41.3	20.2	30.2#
91	50.8	23.3	34.9#

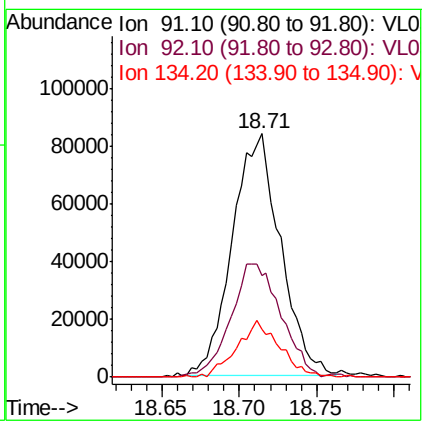


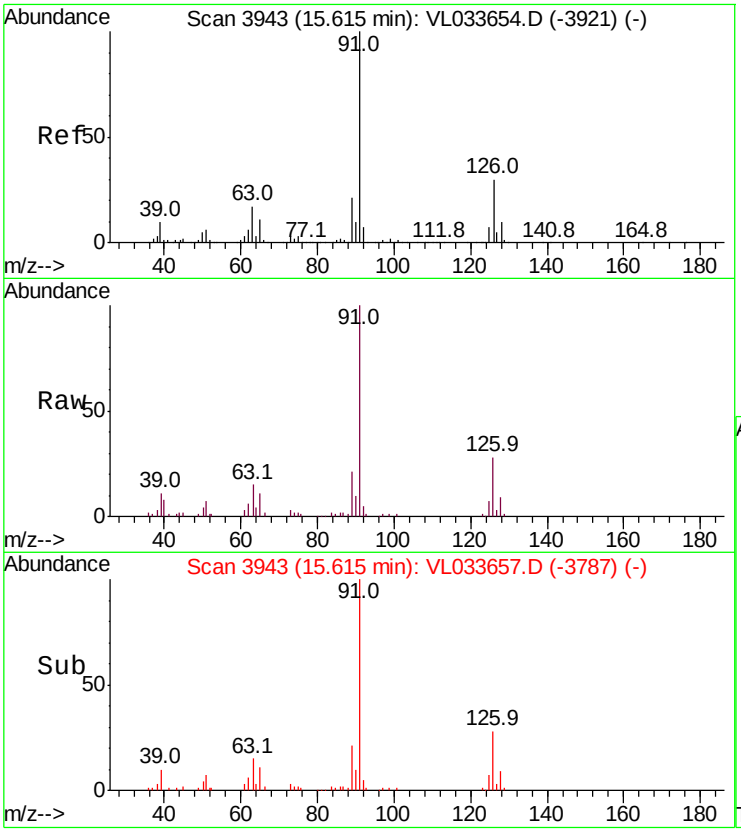


#70
n-Butylbenzene
Concen: 0.443 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 91 Resp: 180206

Ion	Ratio	Lower	Upper
91	100		
92	49.8	42.5	63.7
134	21.2	18.0	27.0



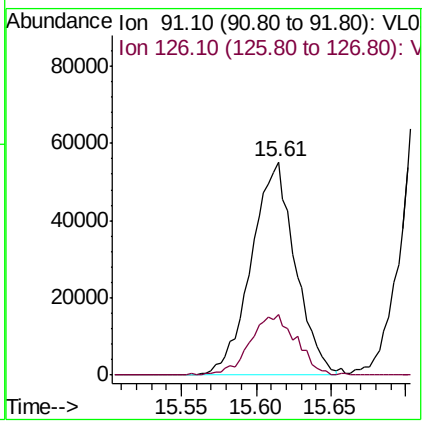


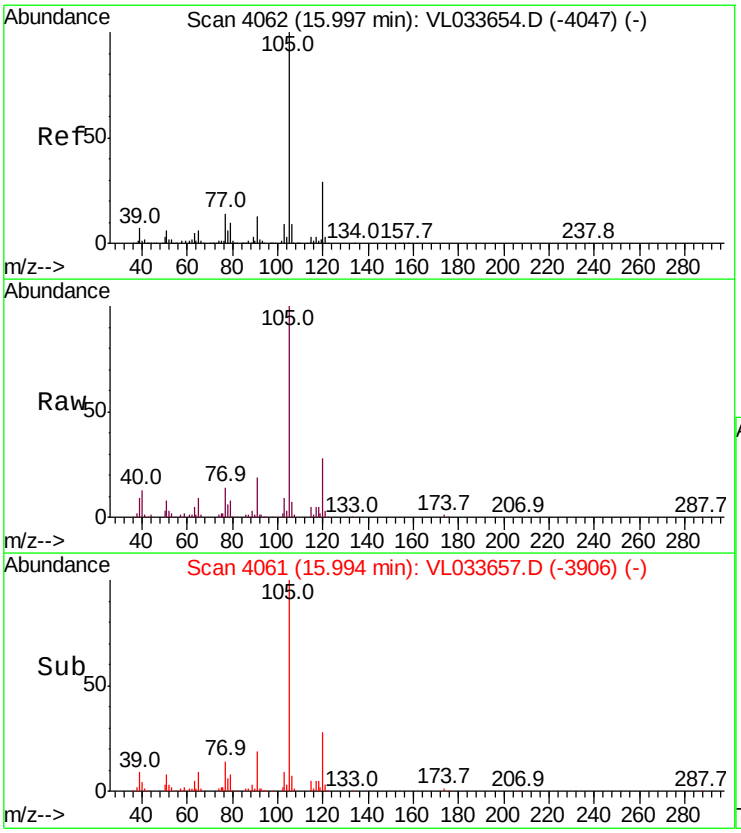
#71
2-Chlorotoluene
Concen: 0.440 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 112803

Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.0	47.8

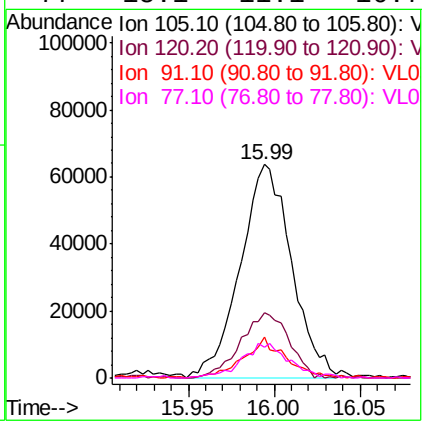


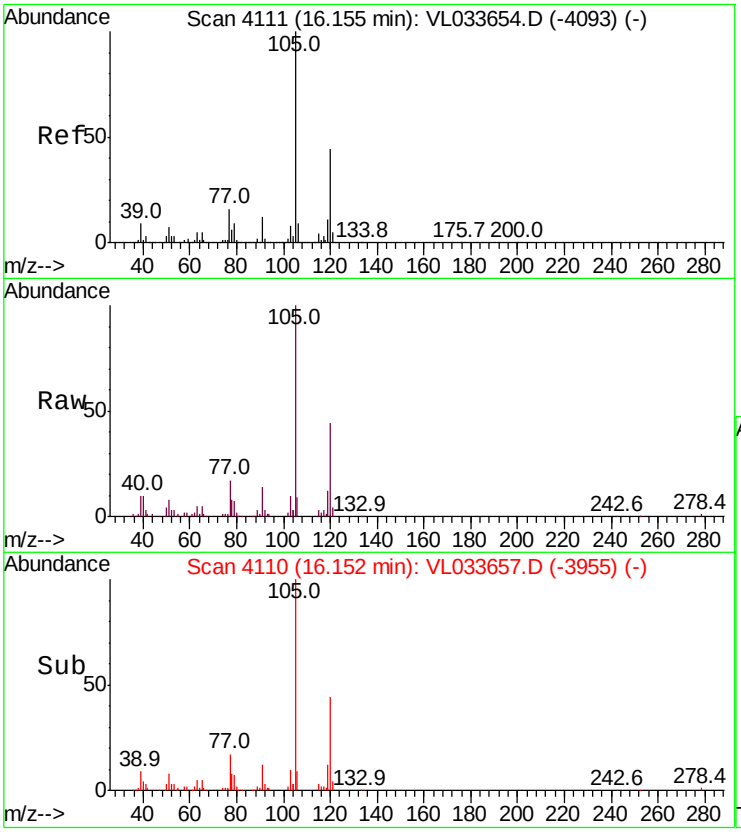


#72
4-Ethyltoluene
Concen: 0.449 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:105 Resp: 131724

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.0	34.6
91	16.2	10.6	15.8#
77	15.1	11.1	16.7



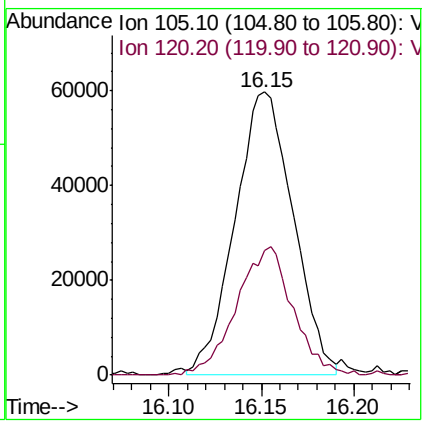


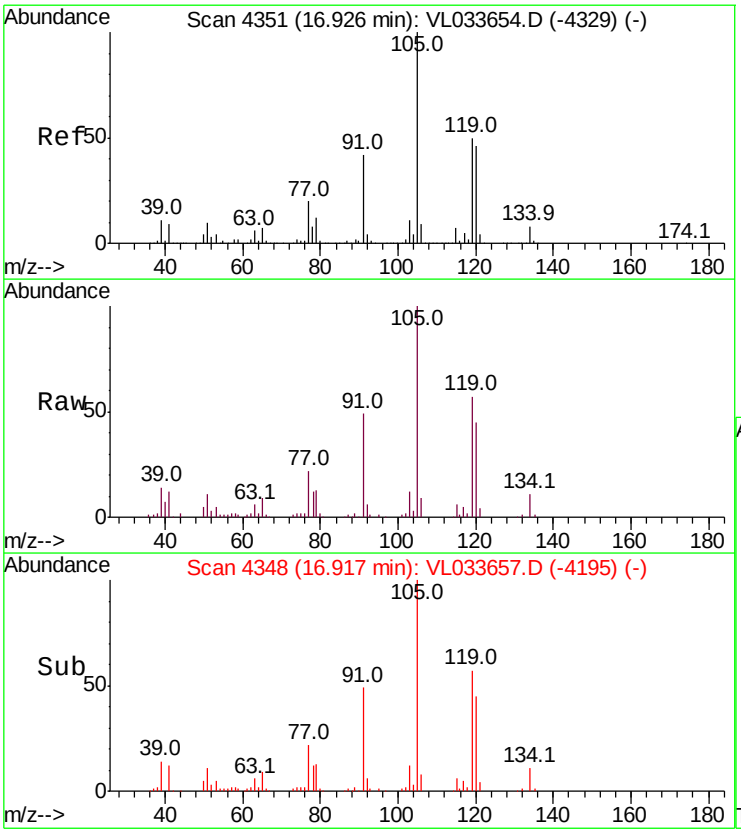
#73
1,3,5-Trimethylbenzene
Concen: 0.455 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 130926

Ion	Ratio	Lower	Upper
105	100		
120	42.5	35.5	53.3

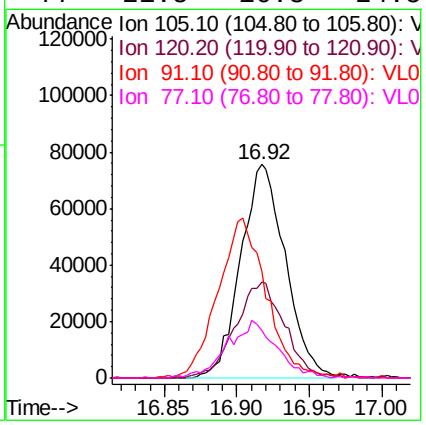


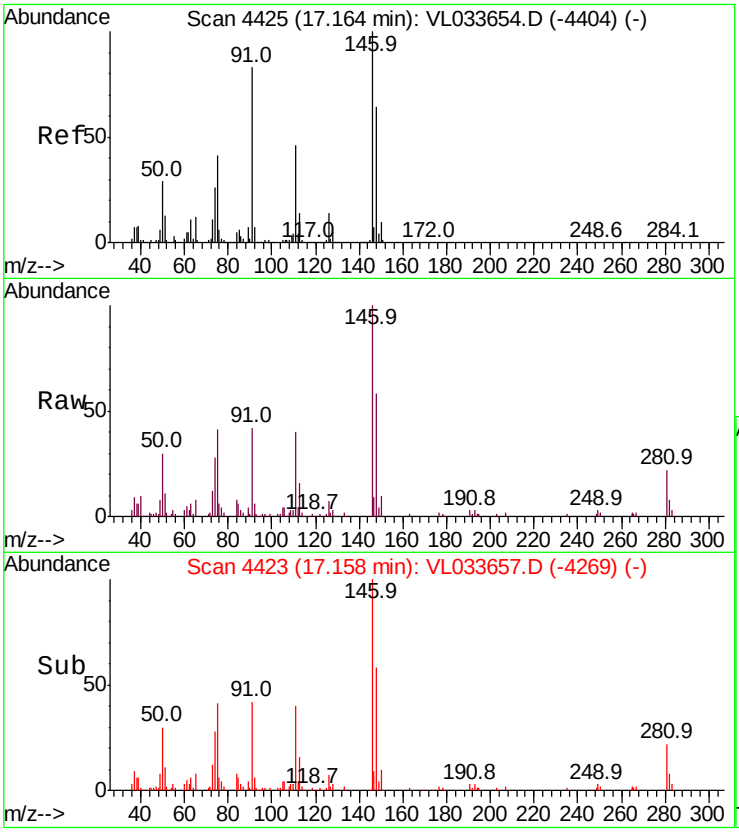


#74
1,2,4-Trimethylbenzene
Concen: 0.509 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:105 Resp: 162464

Ion	Ratio	Lower	Upper
105	100		
120	44.7	36.5	54.7
91	48.5	33.7	50.5
77	21.5	16.3	24.5



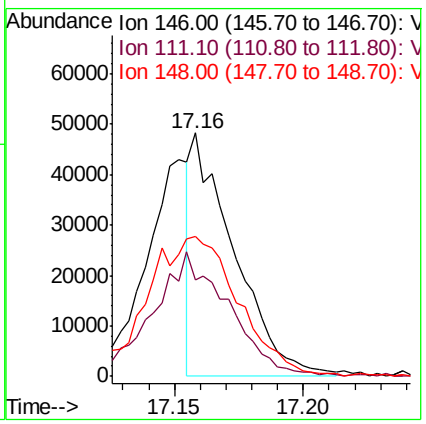


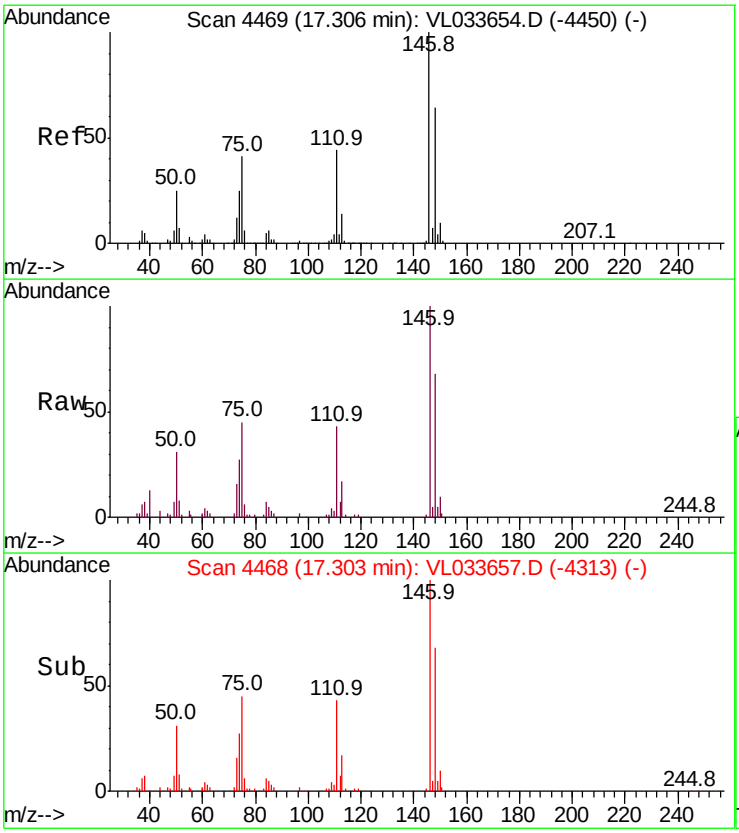
#75
1,3-Dichlorobenzene
Concen: 0.277 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 54809

Ion	Ratio	Lower	Upper
146	100		
111	93.8	22.6	67.7#
148	126.2	31.8	95.4#

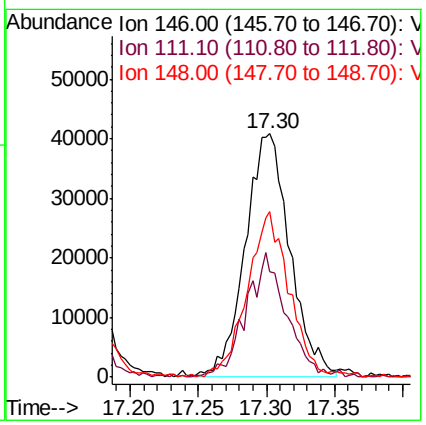


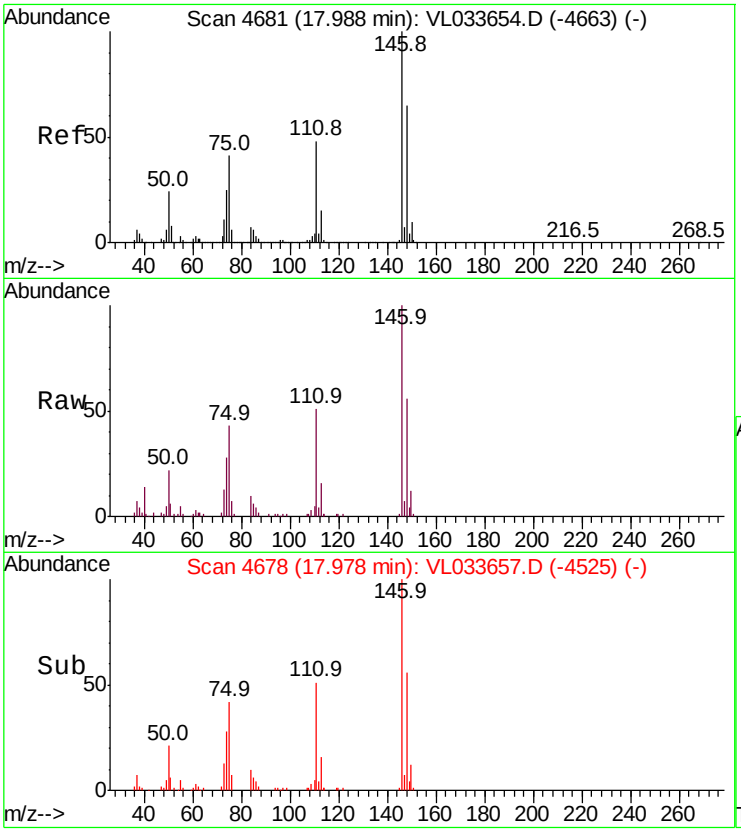


#76
1,4-Dichlorobenzene
Concen: 0.491 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:146 Resp: 92675

Ion	Ratio	Lower	Upper
146	100		
111	46.9	21.9	65.7
148	65.0	32.0	96.0



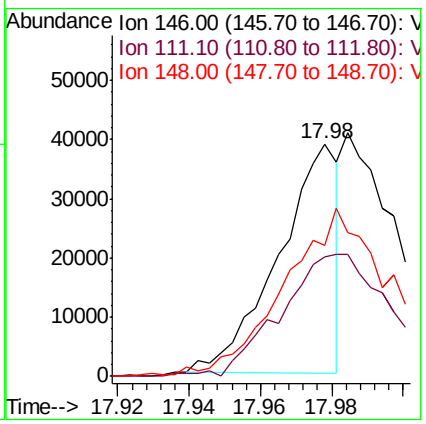


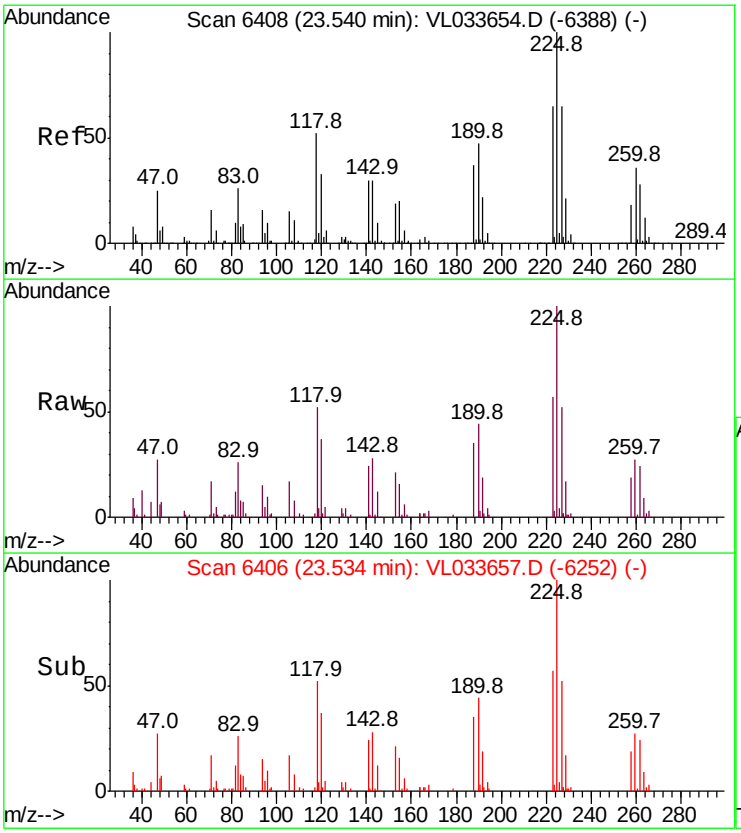
#77
1,2-Dichlorobenzene
Concen: 0.242 ppbv
RT: 17.98 min Scan# 4678
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 44651

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.0#
148	0.0	31.9	95.9#

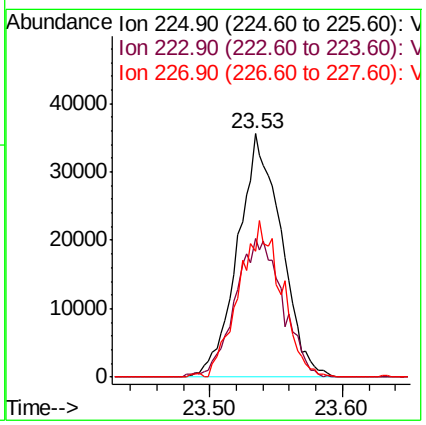


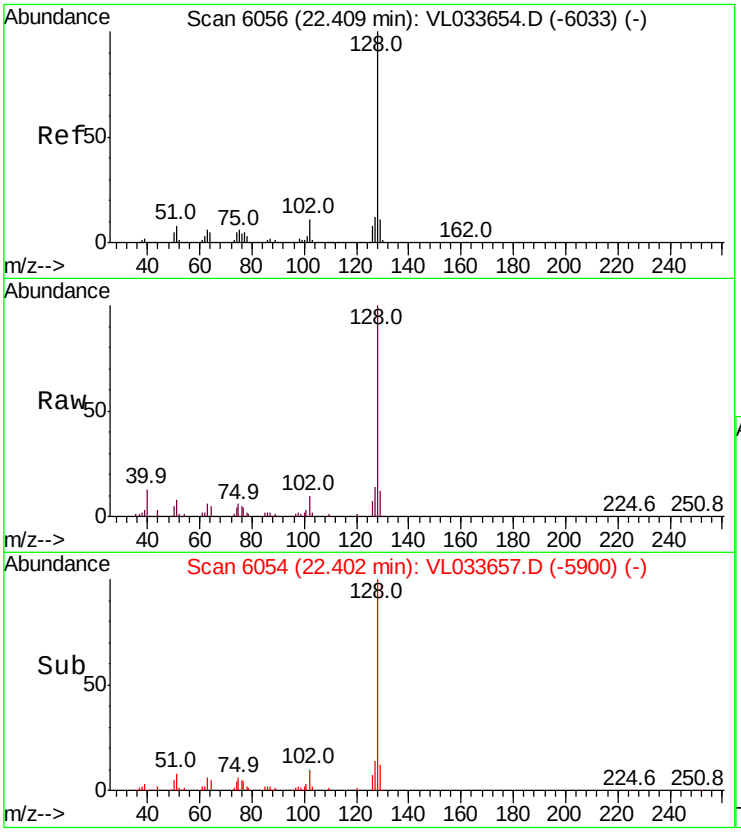


#78
Hexachloro-1,3-Butadiene
Concen: 0.576 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:225 Resp: 81027

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.7	76.1
227	63.3	51.4	77.2



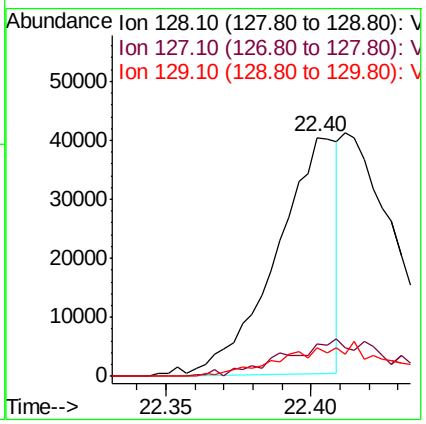


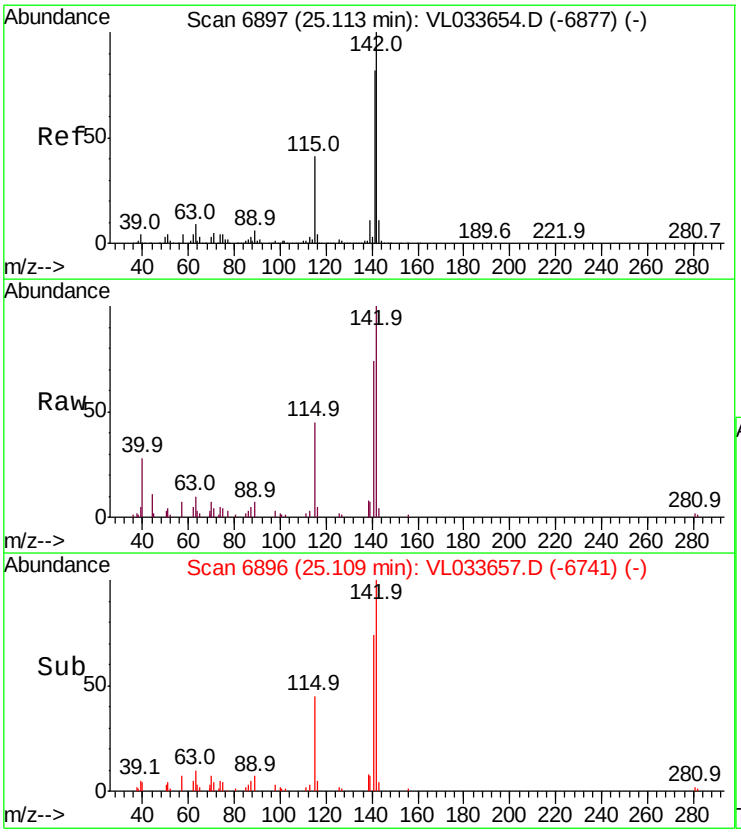
#79
Naphthalene
Concen: 0.196 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 58366

Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.8
129	11.9	8.8	13.2

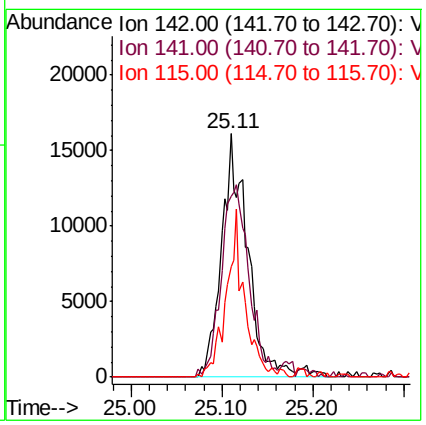


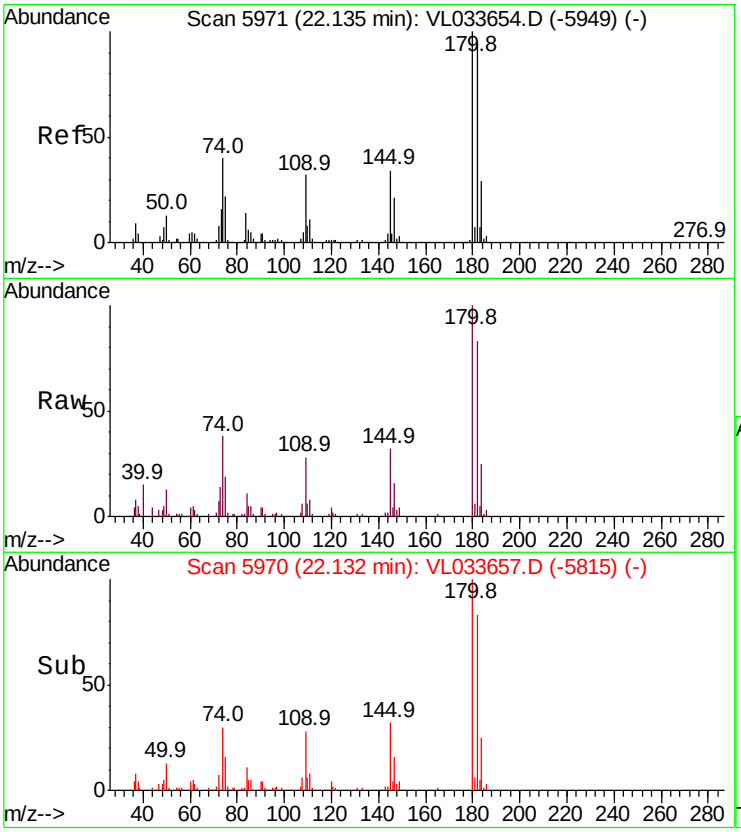


#80
Naphthalene,2-methyl-
Concen: 0.254 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion:142 Resp: 32130

Ion	Ratio	Lower	Upper
142	100		
141	83.2	67.8	101.8
115	48.6	34.2	51.4





#81
1,2,4-Trichlorobenzene
Concen: 0.430 ppbv
RT: 22.13 min Scan# 5970
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 73787

Ion	Ratio	Lower	Upper
180	100		
182	103.8	77.4	116.0
184	33.0	24.6	36.8