Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033666.D
Acq On : 6 May 2019 19:48
Operator : SY/AP
Sample : K2241-13 0.4PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 07 04:10:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	960294	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2323912	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2248718	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1936316	10.50	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	95681	0.425	ppbv		93
3) Chlorodifluoromethane	3.01	51	56505	0.407	ppbv		100
4) Chloromethane	3.17	50	29603	0.411	ppbv		99
5) Vinyl Chloride	3.29	62	26421	0.377	ppbv		96
6) Bromomethane	3.52	94	17926	0.403	ppbv		89
7) Chloroethane	3.60	64	5158	0.203	ppbv		91
8) Dichlorotetrafluoroethane	3.22	85	79488	0.429	ppbv		96
9) Propene	3.04	41	19010	0.360	ppbv		95
10) Heptane	8.24	43	42499	0.326	ppbv		98
11) Trichlorofluoromethane	4.00	101	86280	0.410	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	56820	0.402	ppbv		99
13) Ethanol	3.65	45	2874	0.181	ppbv	#	38
14) Bromoethene	3.78	108	10708	0.192	ppbv	#	13
15) Acetone	3.91	43	61013	0.427	ppbv		95
16) 1,3-Butadiene	3.36	39	20905	0.341	ppbv		96
17) tert-Butyl alcohol	4.37	59	43322	0.399	ppbv		100
18) 1,1-Dichloroethene	4.35	96	12990	0.213	ppbv		98
19) Isopropyl Alcohol	4.03	45	35846	0.408	ppbv	#	88
20) Methylene Chloride	4.41	84	23017	0.424	ppbv		92
21) Allyl Chloride	4.47	41	31356	0.363	ppbv		92
22) trans-1,2-Dichloroethene	4.96	96	14868	0.243	ppbv		84
23) Vinyl Acetate	5.15	43	52654	0.284	ppbv	#	90
24) 1,1-Dichloroethane	5.09	63	53855	0.384	ppbv	#	95
25) Ethyl Acetate	5.77	43	94840	0.408	ppbv		99
26) Hexane	5.77	57	21622	0.216	ppbv	#	1
27) Carbon Disulfide	4.62	76	46551	0.341	ppbv	#	71
28) Methyl tert-Butyl Ether	5.12	73	48560	0.289	ppbv		97
29) Chloroform	5.84	83	79808	0.444	ppbv		95
30) Cyclohexane	7.25	84	9795	0.117	ppbv	#	1
31) cis-1,2-Dichloroethene	5.63	61	34635	0.348	ppbv		97
32) 1,1,1-Trichloroethane	6.62	97	73881	0.398	ppbv		97
34) 2-Butanone	5.34	43	44304	0.298	ppbv		99
35) Carbon Tetrachloride	7.13	117	81336	0.426	ppbv		90
36) Benzene	7.00	78	65172	0.313	ppbv		97
37) 1,2-Dichloroethane	6.41	62	55942	0.385	ppbv		97
38) Trichloroethene	7.95	130	13523	0.177	ppbv	#	84
39) 1,2-Dichloropropane	7.73	63	12613	0.162	ppbv	#	86
41) Tetrahydrofuran	6.17	42	22174	0.288	ppbv		99
42) Bromodichloromethane	7.91	83	73724	0.393	ppbv		86
43) Methyl Methacrylate	8.13	69	10960	0.140	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.98	57	54913	0.154	ppbv	#	43

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033666.D
Acq On : 6 May 2019 19:48
Operator : SY/AP
Sample : K2241-13 0.4PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 07 04:10:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) t-1,3-Dichloropropene	9.41	75	12124	0.126	ppbv		90
46) cis-1,3-Dichloropropene	8.83	75	31308	0.261	ppbv		96
47) 1,1,2-Trichloroethane	9.61	97	18559	0.208	ppbv		91
48) Dibromochloromethane	10.44	129	52839	0.349	ppbv		96
49) Bromoform	13.20	173	44299	0.337	ppbv		98
50) 4-Methyl-2-Pentanone	8.88	43	73516	0.326	ppbv		93
51) 2-Hexanone	10.29	43	29687	0.170	ppbv	#	68
52) Tetrachloroethene	11.37	164	26628	0.361	ppbv		93
53) Toluene	9.94	91	61915	0.275	ppbv		92
54) 1,2-Dibromoethane	10.75	107	48609	0.362	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.27	131	44679	0.431	ppbv	#	1
57) Chlorobenzene	12.29	112	79937	0.433	ppbv		98
58) Ethyl Benzene	12.86	91	88820	0.303	ppbv		100
59) m/p-Xylene	13.14	91	88537	0.343	ppbv	#	42
60) o-Xylene	13.85	91	89473	0.342	ppbv		98
61) Styrene	13.68	104	24676	0.142	ppbv	#	27
62) Isopropylbenzene	14.83	105	121024	0.339	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.83	83	85860	0.451	ppbv		99
64) n-propylbenzene	15.72	120	21404	0.232	ppbv	#	10
65) tert-Butylbenzene	16.90	119	105721	0.323	ppbv		90
66) Benzyl Chloride	17.15	91	44671	0.300	ppbv		95
67) sec-Butylbenzene	17.45	105	79881	0.175	ppbv	#	59
69) p-Isopropyltoluene	17.81	119	122215	0.325	ppbv		95
70) n-Butylbenzene	18.71	91	134772	0.338	ppbv		96
71) 2-Chlorotoluene	15.61	91	81233	0.308	ppbv		99
72) 4-Ethyltoluene	15.99	105	89215	0.290	ppbv	#	93
73) 1,3,5-Trimethylbenzene	16.15	105	91674	0.309	ppbv		96
74) 1,2,4-Trimethylbenzene	16.92	105	116768	0.354	ppbv		94
75) 1,3-Dichlorobenzene	17.15	146	88194	0.442	ppbv		91
76) 1,4-Dichlorobenzene	17.30	146	73073	0.386	ppbv		97
77) 1,2-Dichlorobenzene	17.98	146	38198	0.207	ppbv	#	26
78) Hexachloro-1,3-Butadiene	23.53	225	28421	0.194	ppbv	#	18
79) Naphthalene	22.42	128	60309	0.200	ppbv	#	93
80) Naphthalene,2-methyl-	25.11	142	23790	0.209	ppbv		98
81) 1,2,4-Trichlorobenzene	22.13	180	58003	0.331	ppbv		93

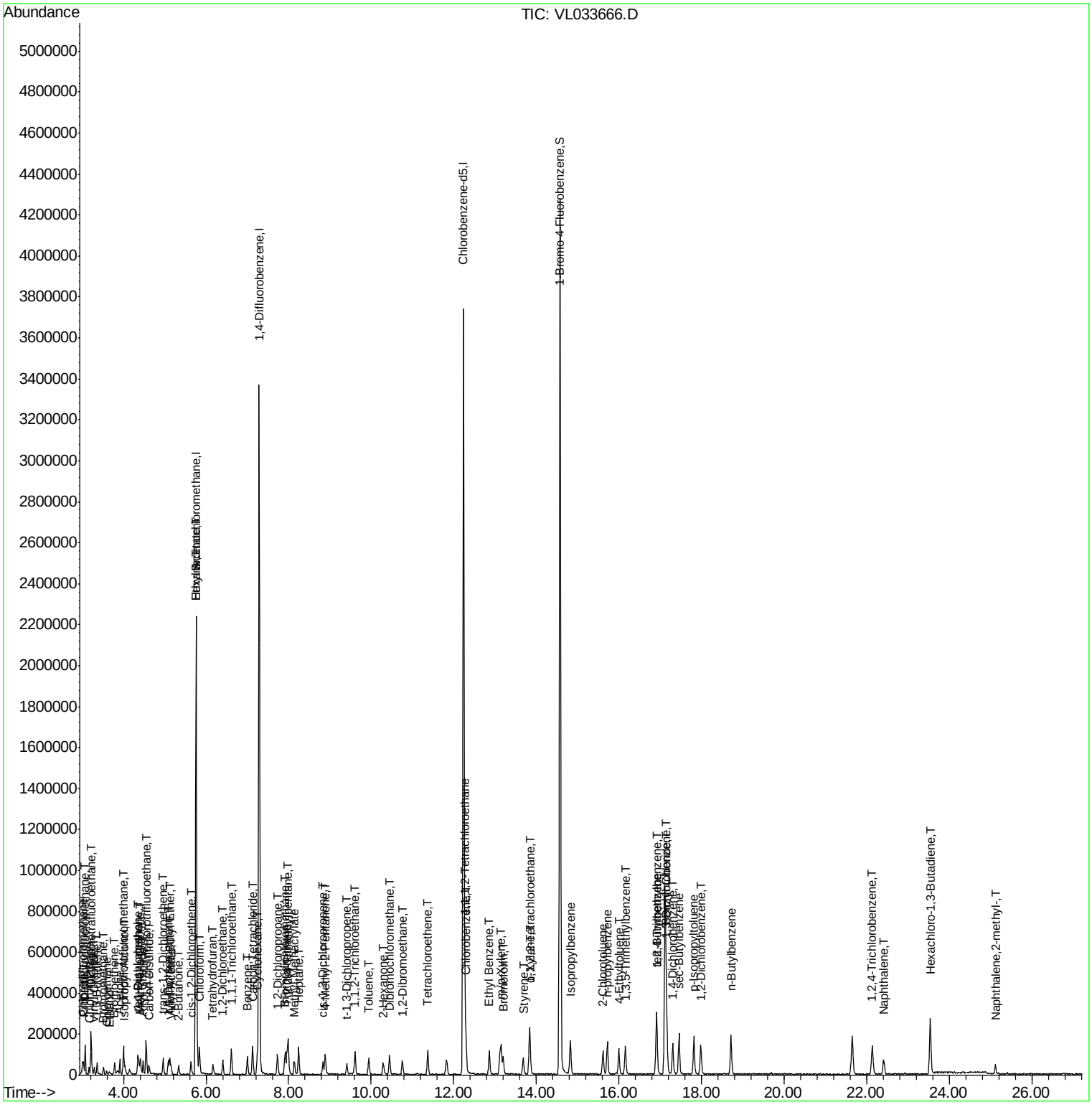
(#) = qualifier out of range (m) = manual integration (+) = signals summed

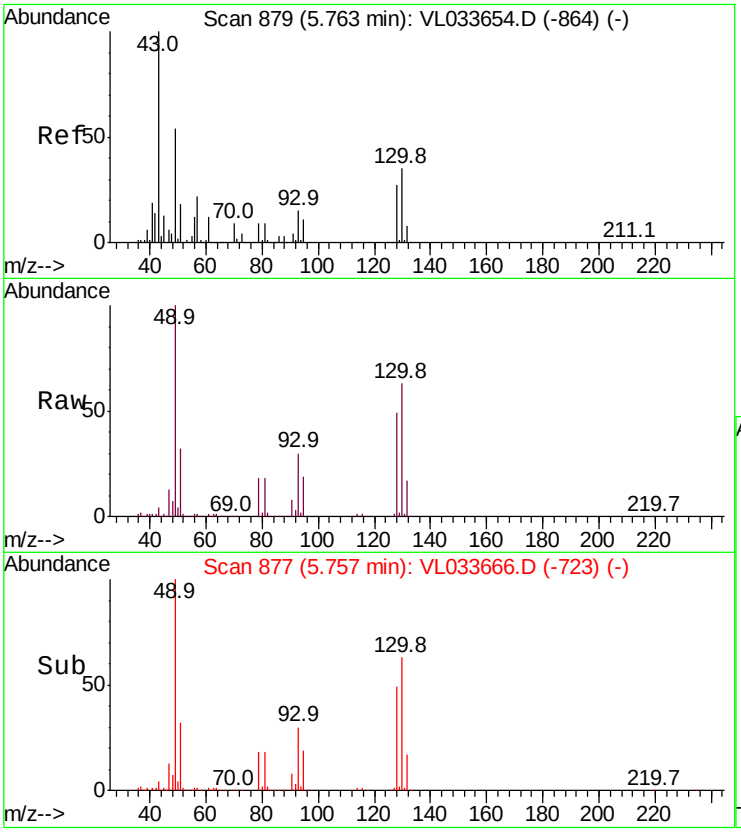
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033666.D
Acq On : 6 May 2019 19:48
Operator : SY/AP
Sample : K2241-13 0.4PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 07 04:10:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration



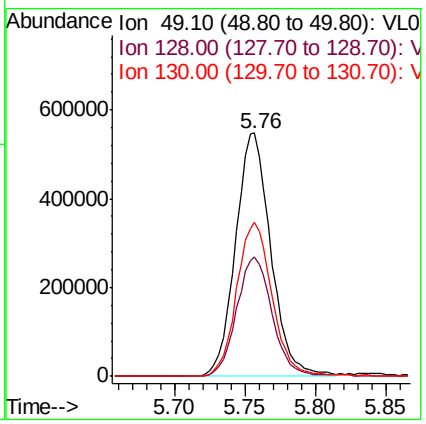


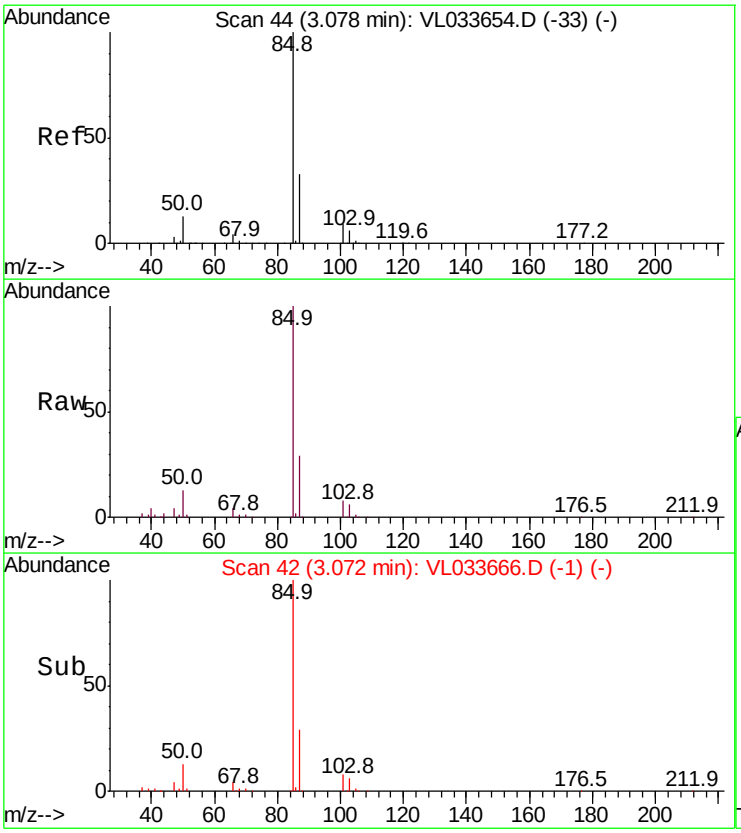
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 960294

Ion	Ratio	Lower	Upper
49	100		
128	49.9	24.8	74.3
130	63.8	32.1	96.5

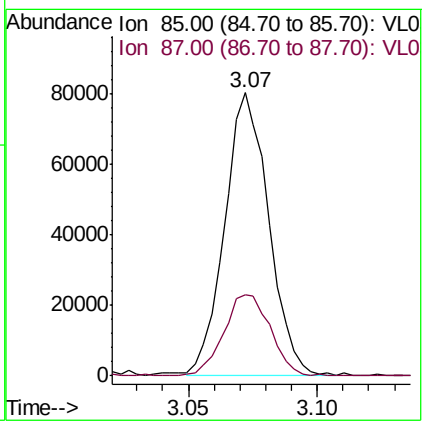


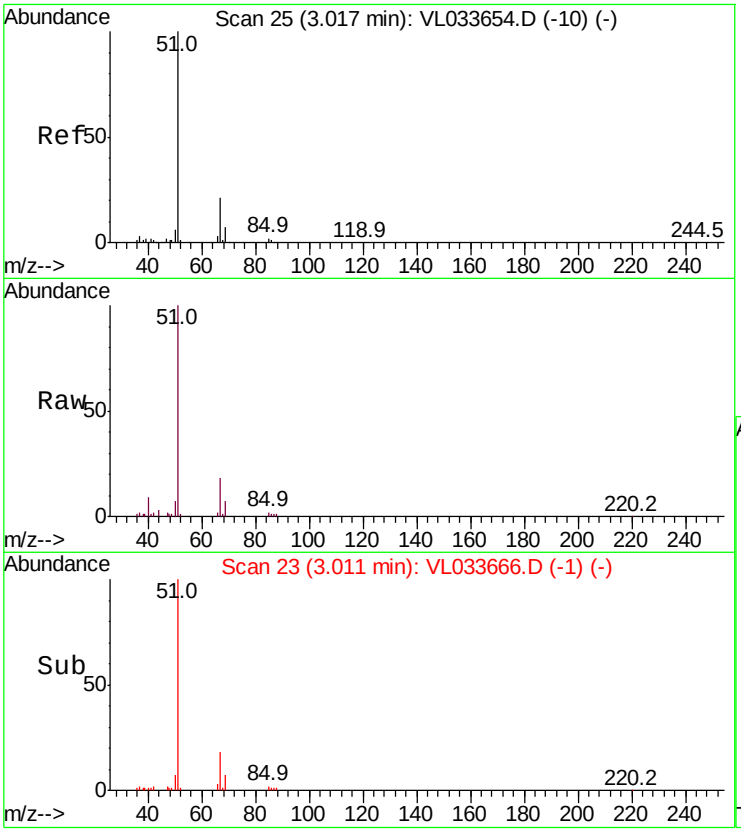


#2
Dichlorodifluoromethane
Concen: 0.425 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 85 Resp: 95681

Ion	Ratio	Lower	Upper
85	100		
87	28.8	26.0	39.0



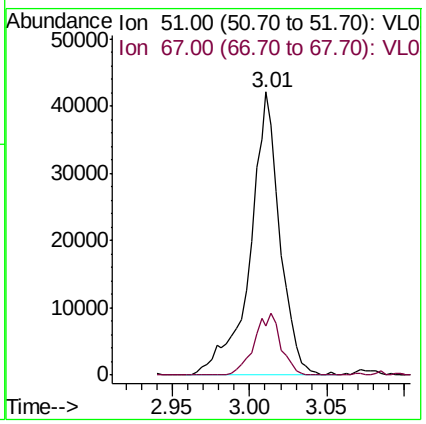


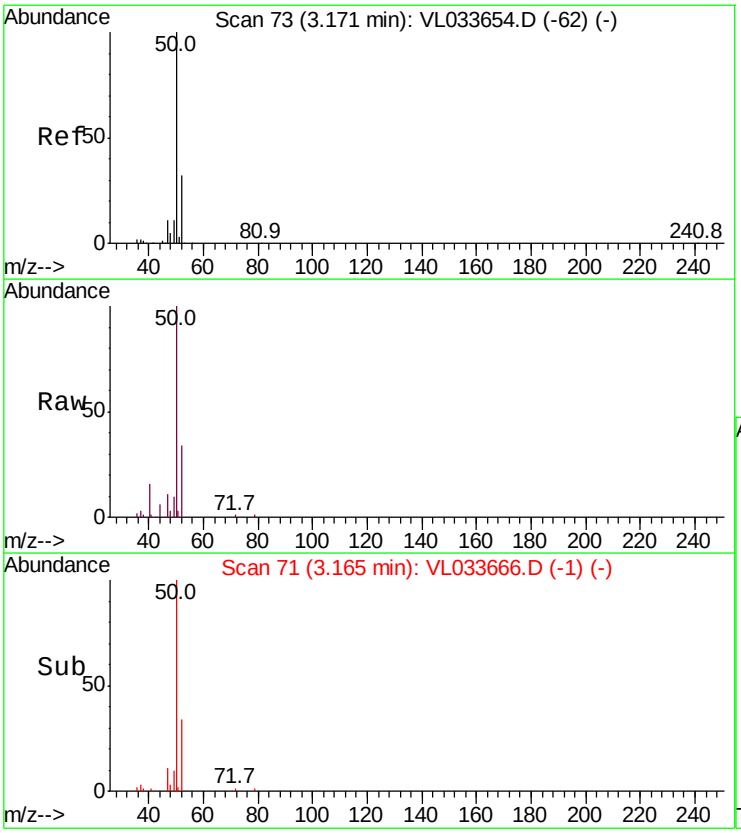
#3
Chlorodifluoromethane
Concen: 0.407 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 56505

Ion	Ratio	Lower	Upper
51	100		
67	19.5	15.7	23.5

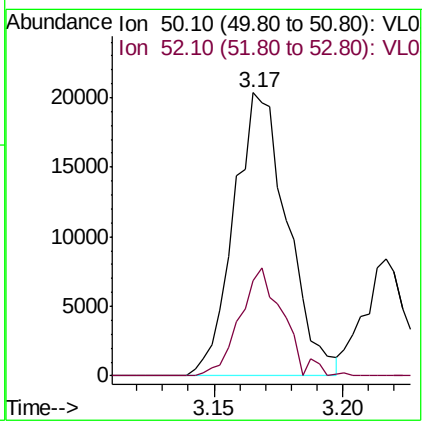


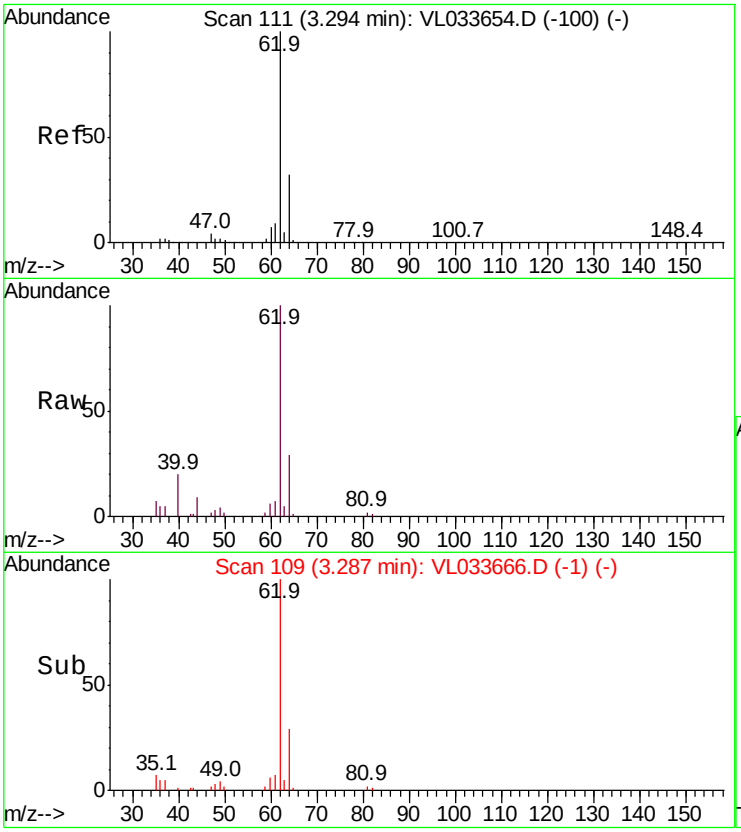


#4
Chloromethane
Concen: 0.411 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 50 Resp: 29603

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.8	38.8



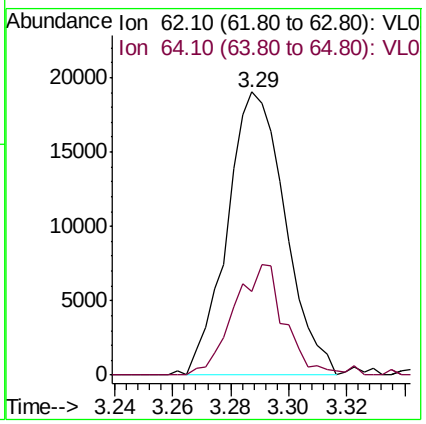


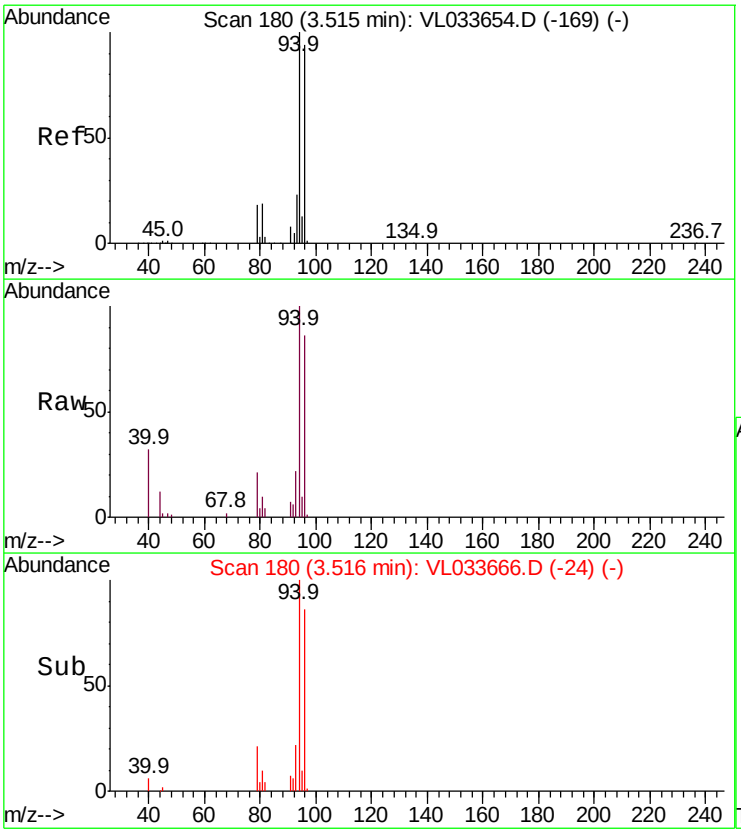
#5
Vinyl Chloride
Concen: 0.377 ppbv
RT: 3.29 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 26421

Ion	Ratio	Lower	Upper
62	100		
64	29.7	25.6	38.4

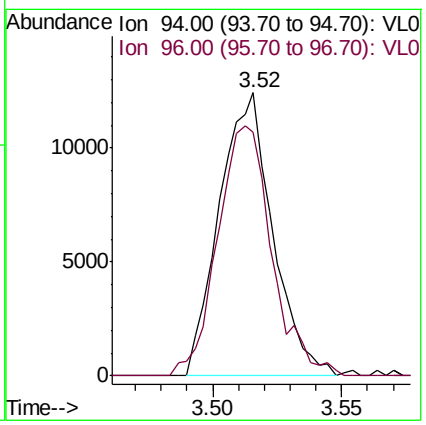


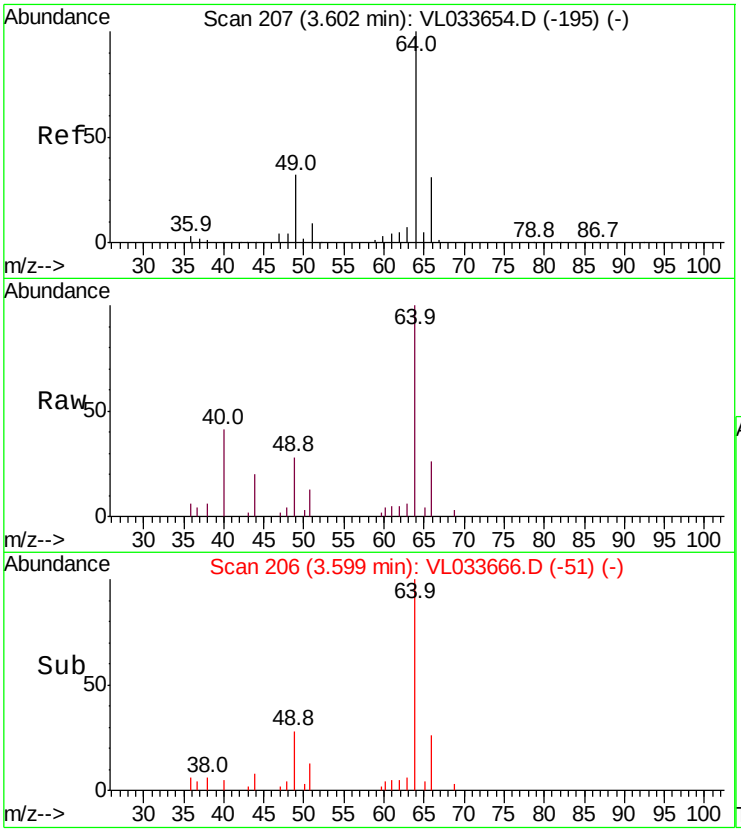


#6
Bromomethane
Concen: 0.403 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 94 Resp: 17926

Ion	Ratio	Lower	Upper
94	100		
96	83.8	75.2	112.8



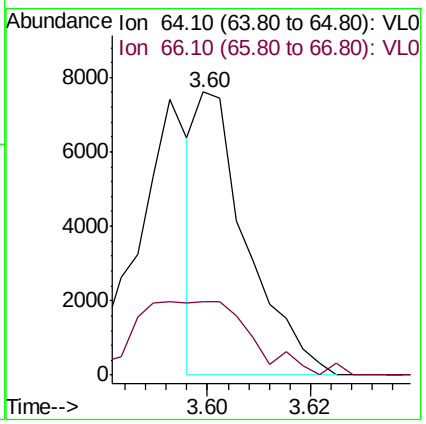


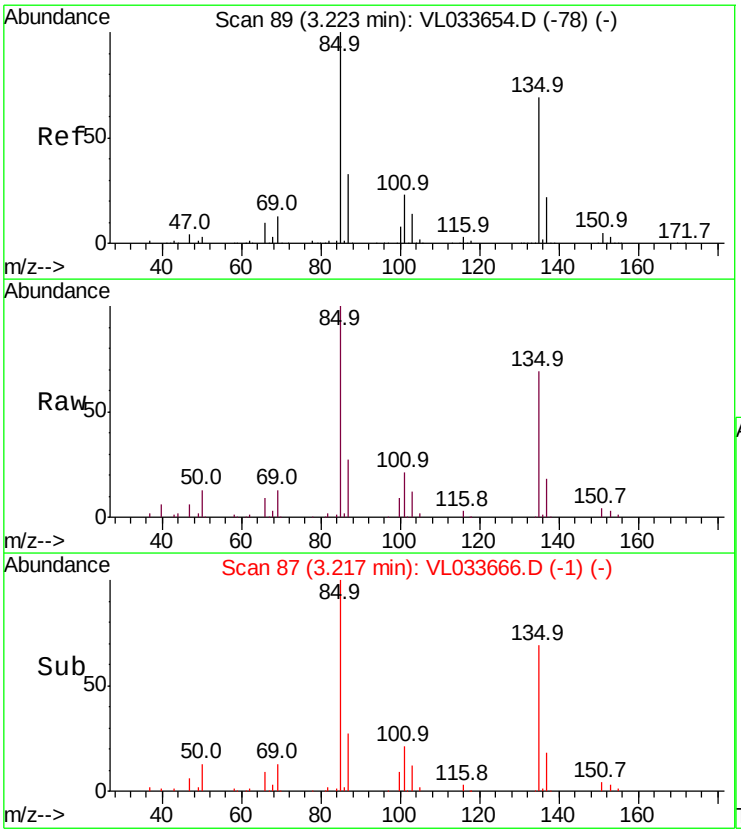
#7
Chloroethane
Concen: 0.203 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 5158

Ion	Ratio	Lower	Upper
64	100		
66	26.2	25.1	37.7

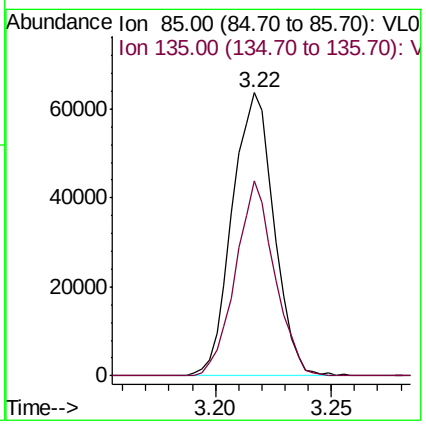


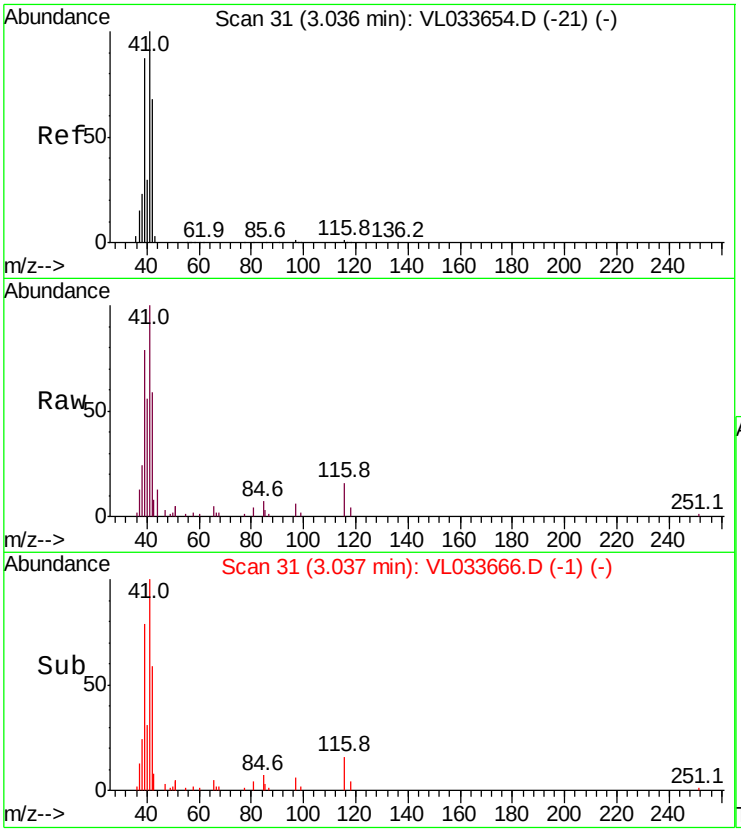


#8
Dichlorotetrafluoroethane
Concen: 0.429 ppbv
RT: 3.22 min Scan# 87
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 85 Resp: 79488

Ion	Ratio	Lower	Upper
85	100		
135	64.7	54.3	81.5



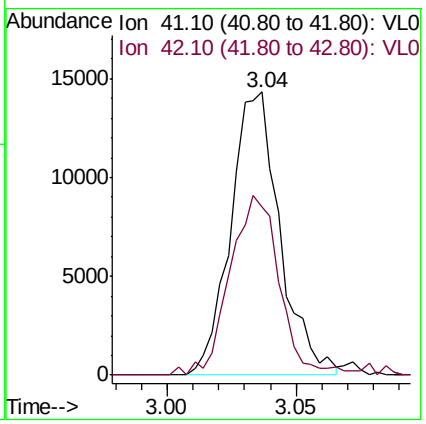


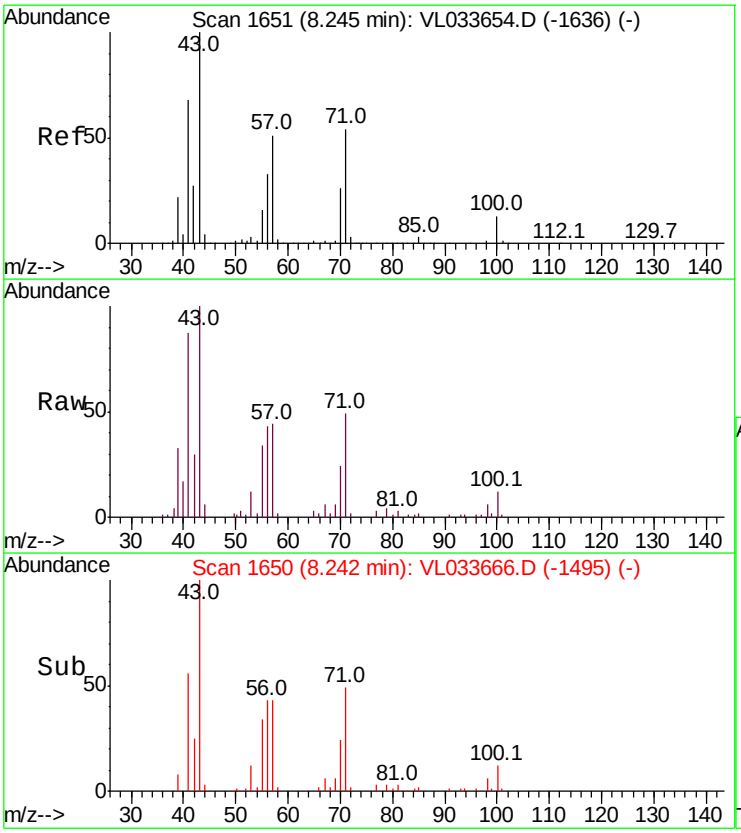
#9
Propene
Concen: 0.360 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 19010

Ion	Ratio	Lower	Upper
41	100		
42	65.5	55.6	83.4

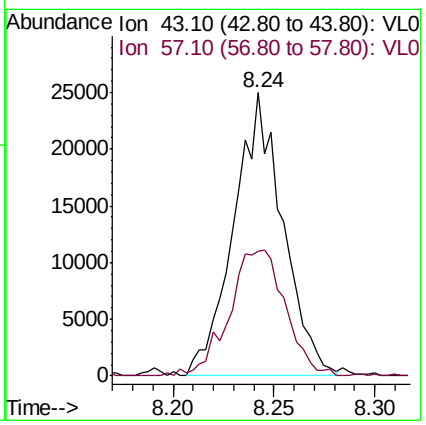


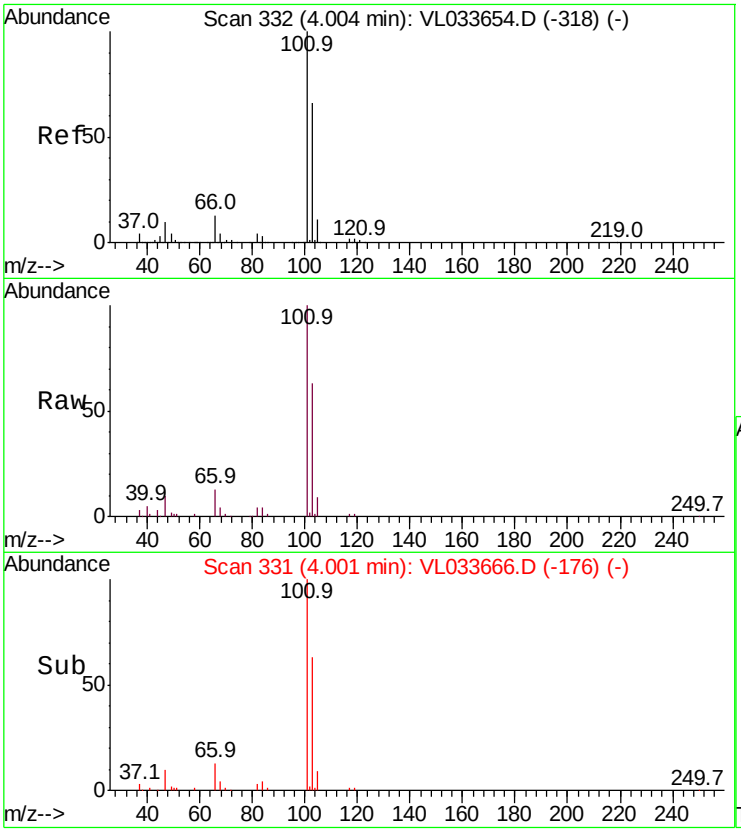


#10
Heptane
Concen: 0.326 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 43 Resp: 42499

Ion	Ratio	Lower	Upper
43	100		
57	50.9	41.8	62.6



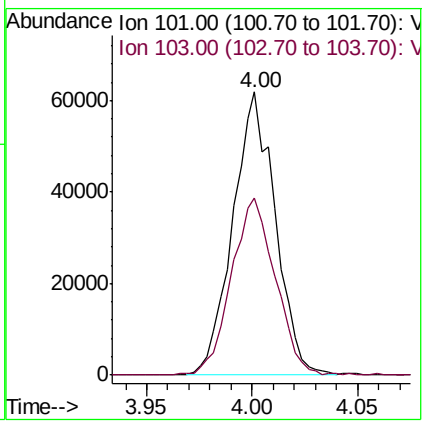


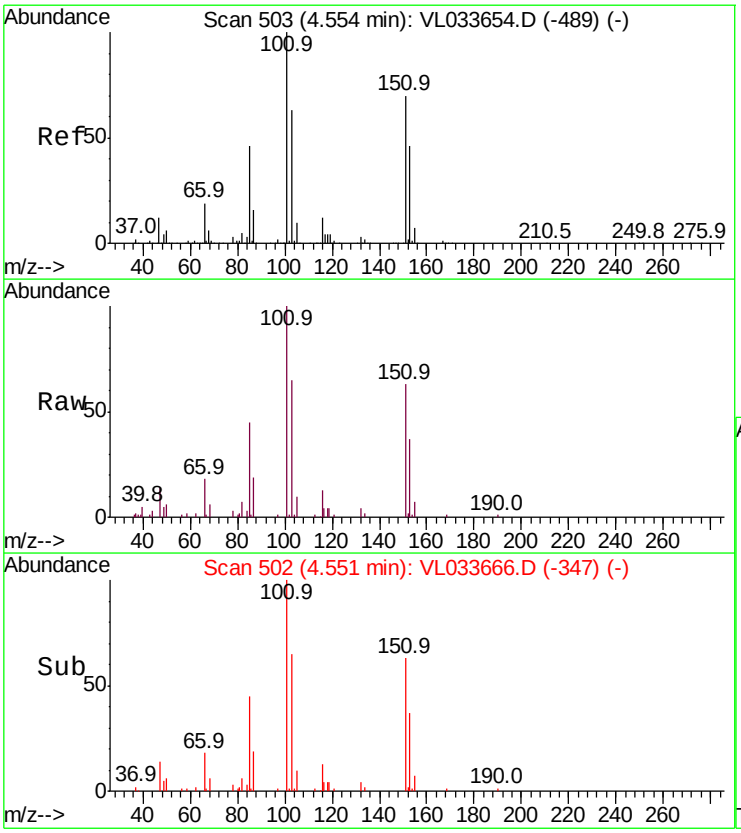
#11
Trichlorofluoromethane
Concen: 0.410 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 86280

Ion	Ratio	Lower	Upper
101	100		
103	62.2	52.7	79.1

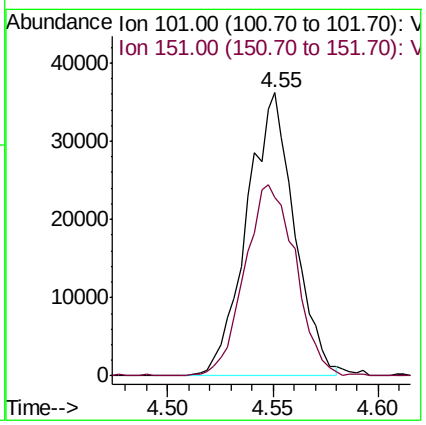


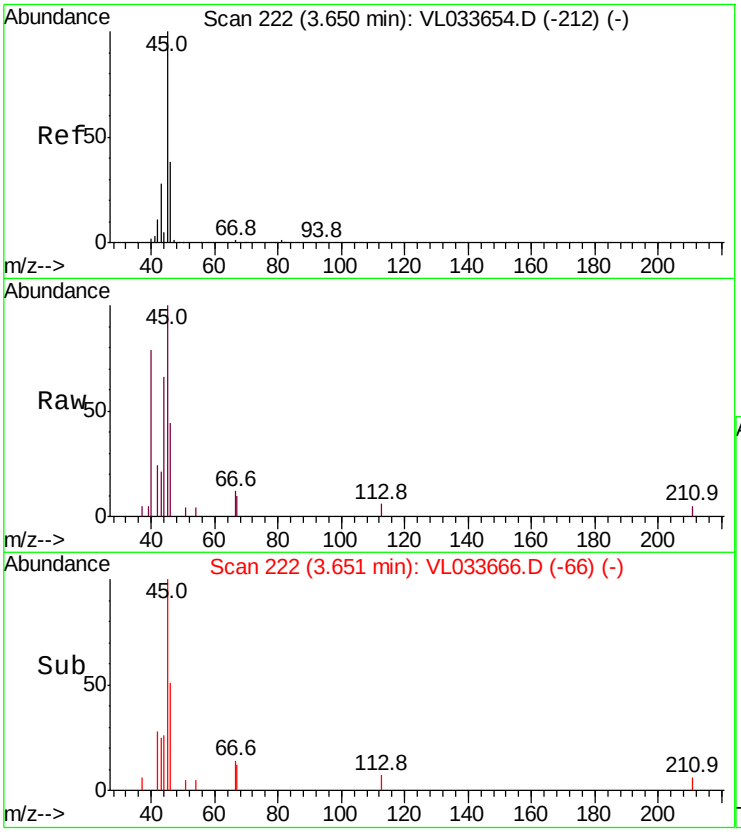


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.402 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:101 Resp: 56820

Ion	Ratio	Lower	Upper
101	100		
151	72.1	58.0	87.0



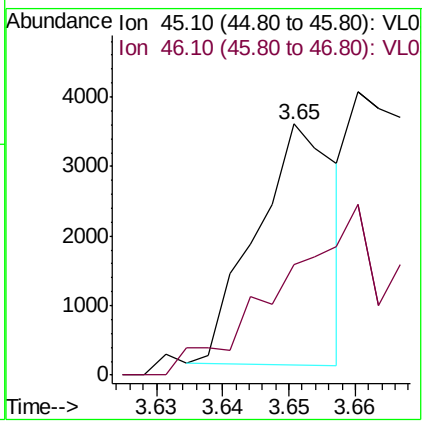


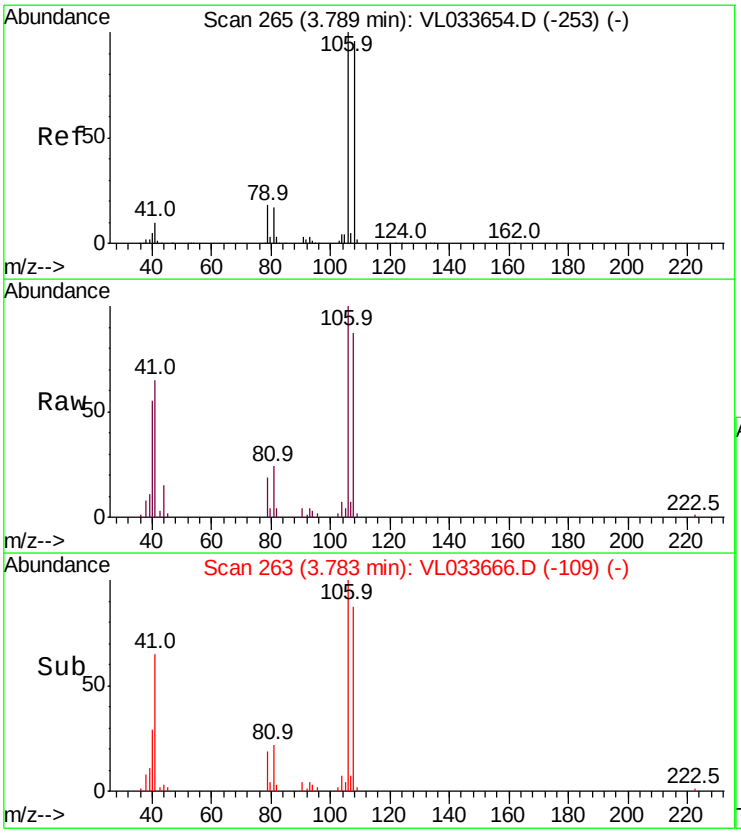
#13
Ethanol
Concen: 0.181 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 2874

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.9	59.7#

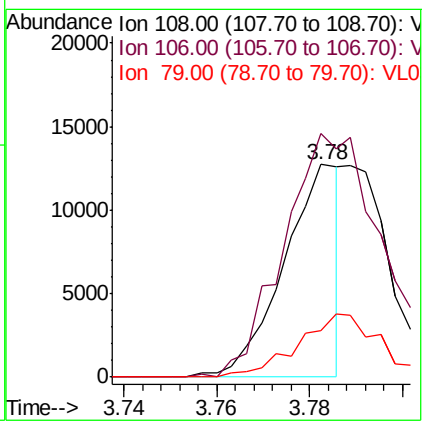


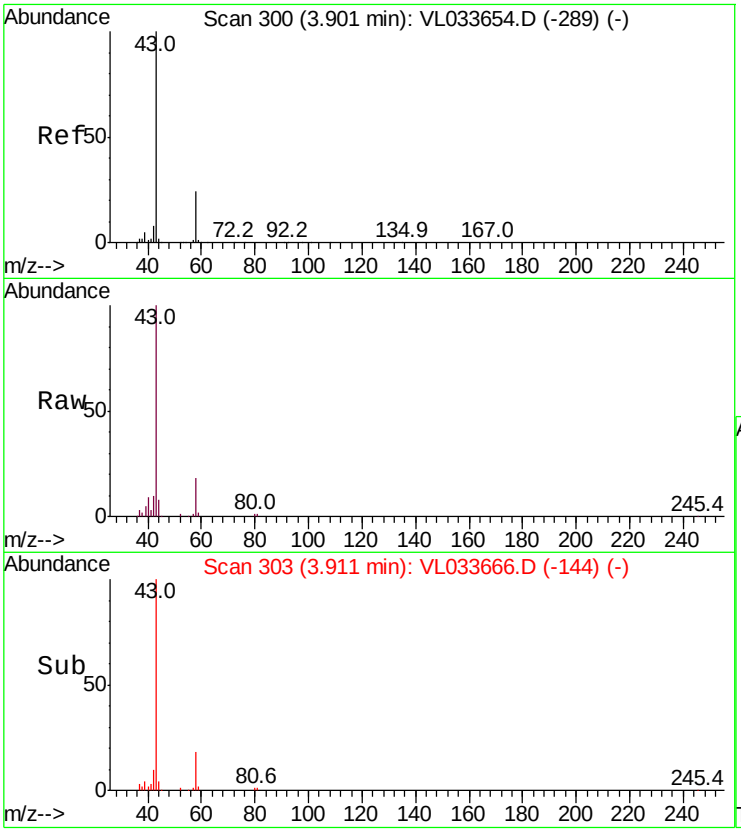


#14
Bromoethene
Concen: 0.192 ppbv
RT: 3.78 min Scan# 263
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:108 Resp: 10708

Ion	Ratio	Lower	Upper
108	100		
106	205.8	85.7	128.5#
79	0.0	15.2	22.8#



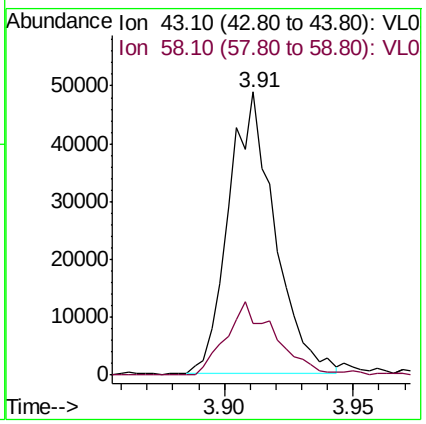


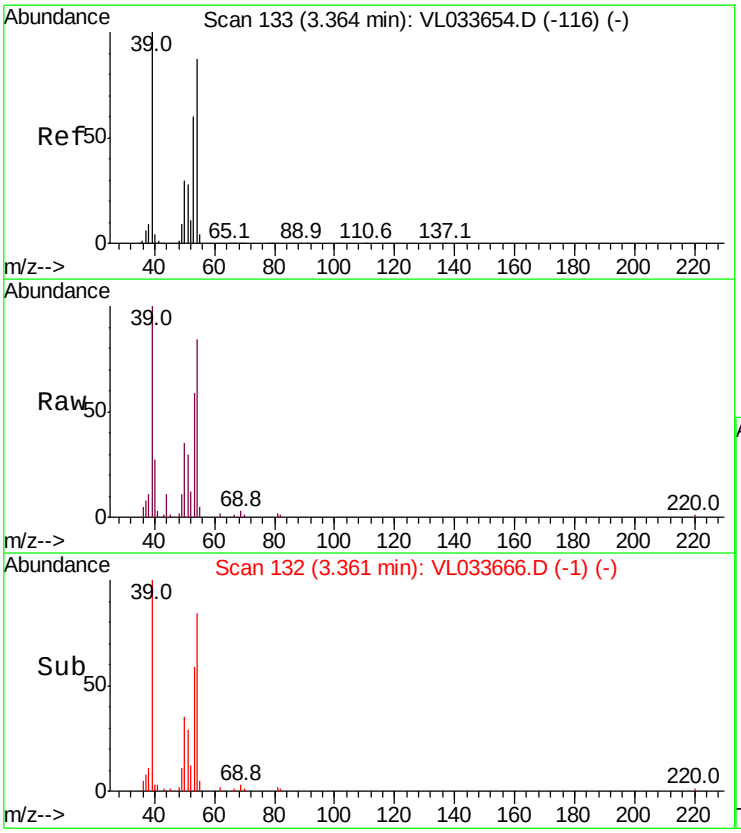
#15
Acetone
Concen: 0.427 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 61013

Ion	Ratio	Lower	Upper
43	100		
58	28.5	20.9	31.3

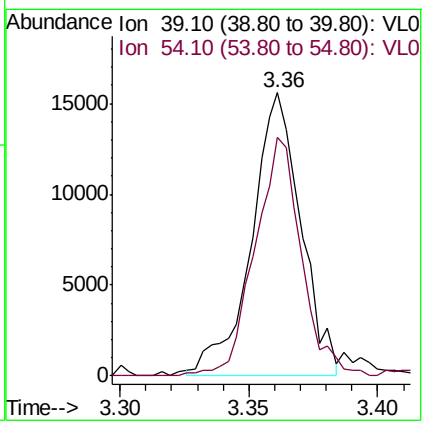


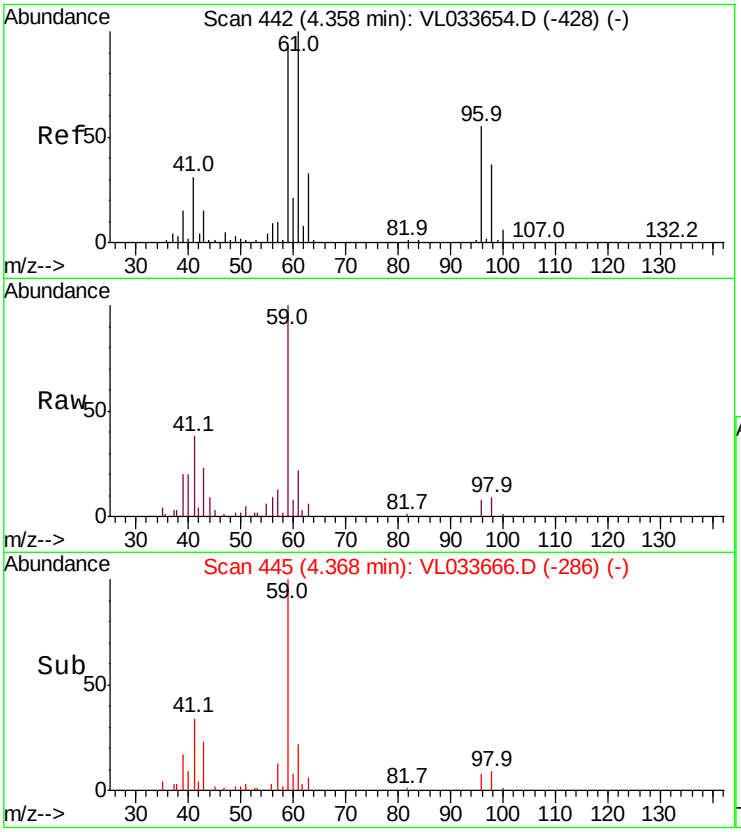


#16
1,3-Butadiene
Concen: 0.341 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 39 Resp: 20905

Ion	Ratio	Lower	Upper
39	100		
54	80.0	67.0	100.4



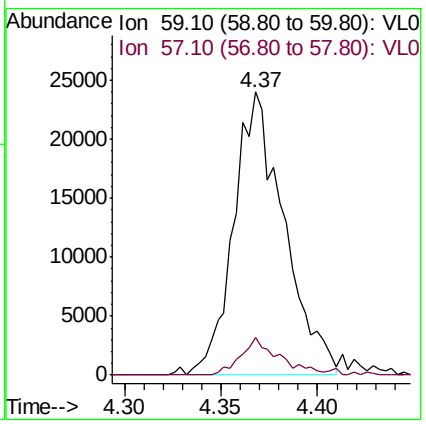


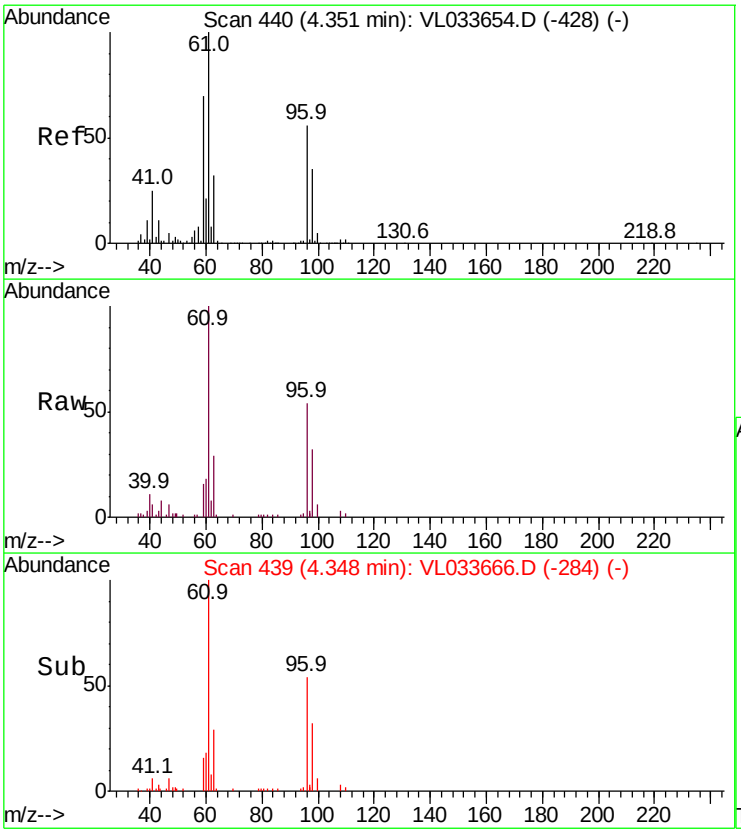
#17
tert-Butyl alcohol
Concen: 0.399 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 43322

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

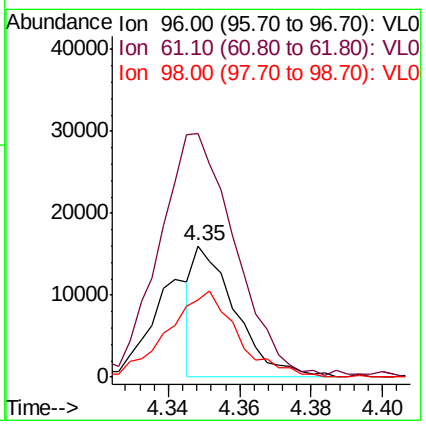


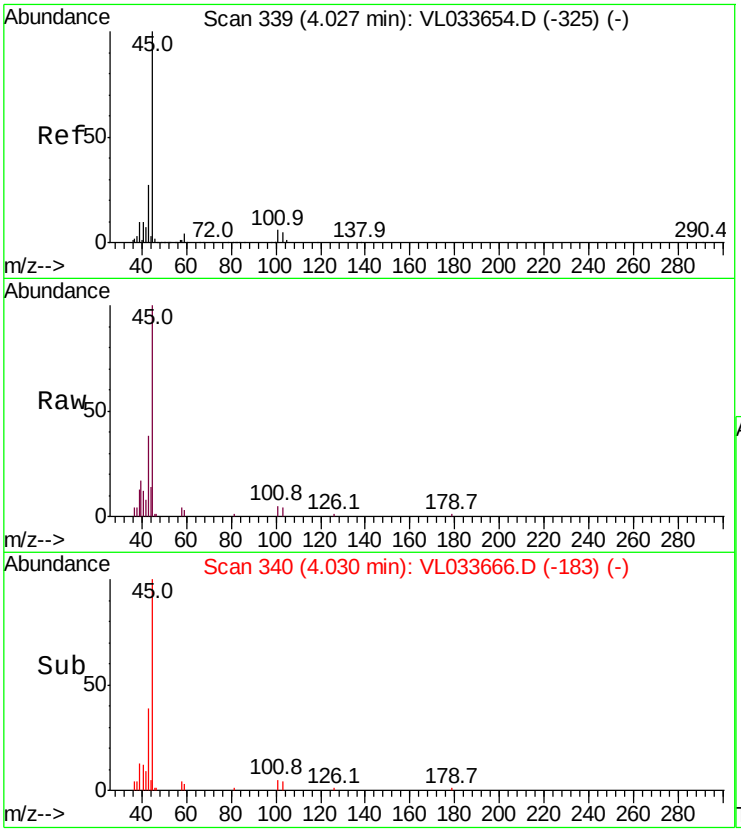


#18
1,1-Dichloroethene
Concen: 0.213 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 96 Resp: 12990

Ion	Ratio	Lower	Upper
96	100		
61	179.8	143.4	215.0
98	58.5	50.4	75.6



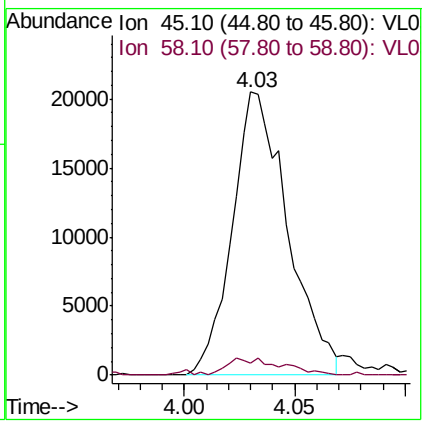


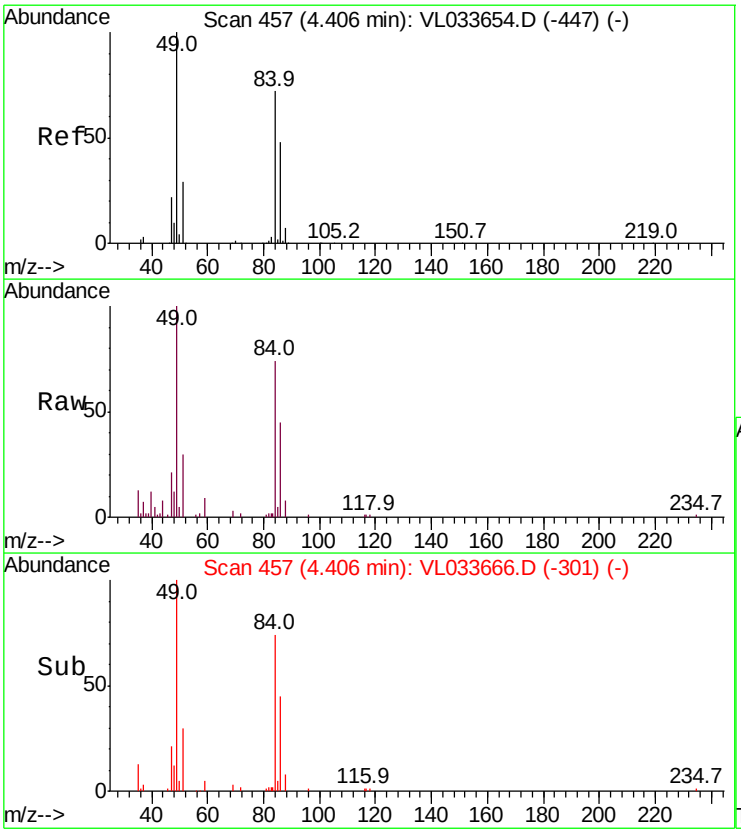
#19
Isopropyl Alcohol
Concen: 0.408 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 45 Resp: 35846

Ion	Ratio	Lower	Upper
45	100		
58	6.6	2.0	3.0#

Instrument :
MSVOA_L
ClientSampleId :

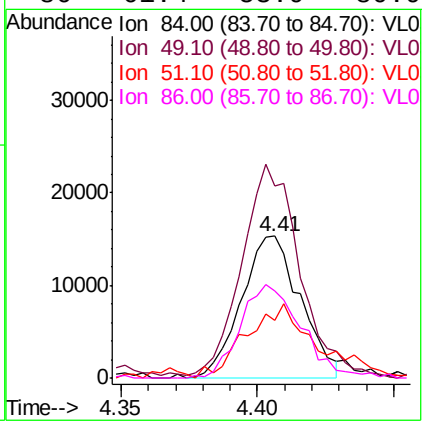


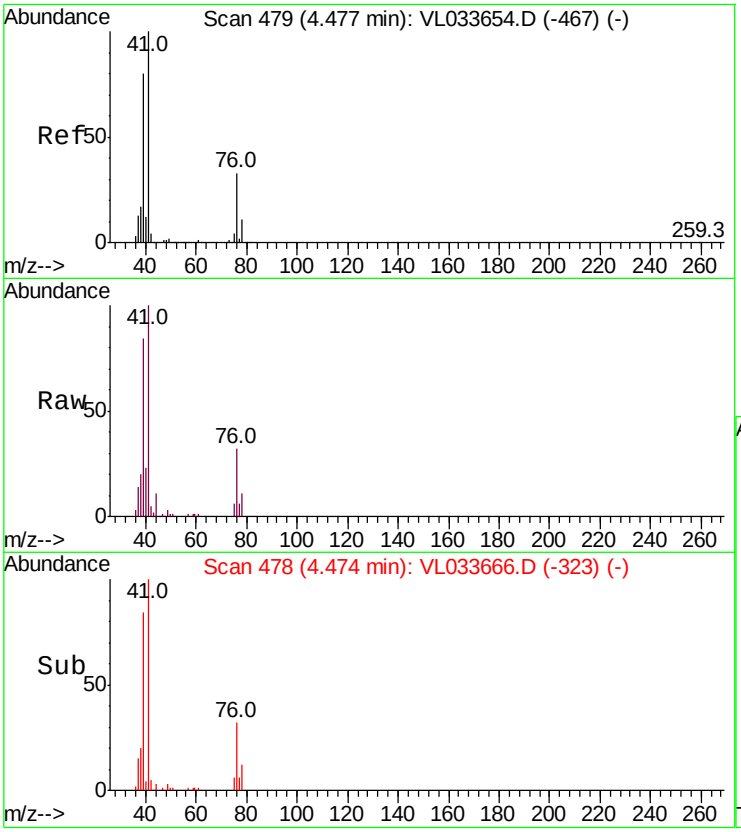


#20
Methylene Chloride
Concen: 0.424 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 84 Resp: 23017

Ion	Ratio	Lower	Upper
84	100		
49	129.8	111.8	167.6
51	37.1	32.3	48.5
86	61.4	53.9	80.9



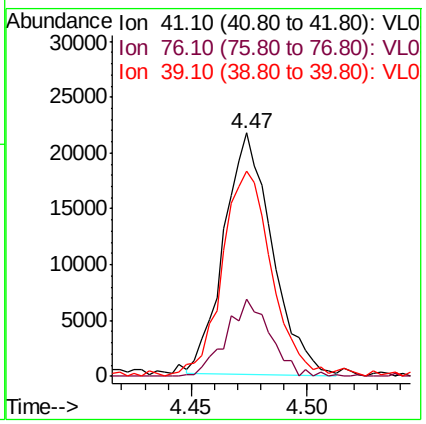


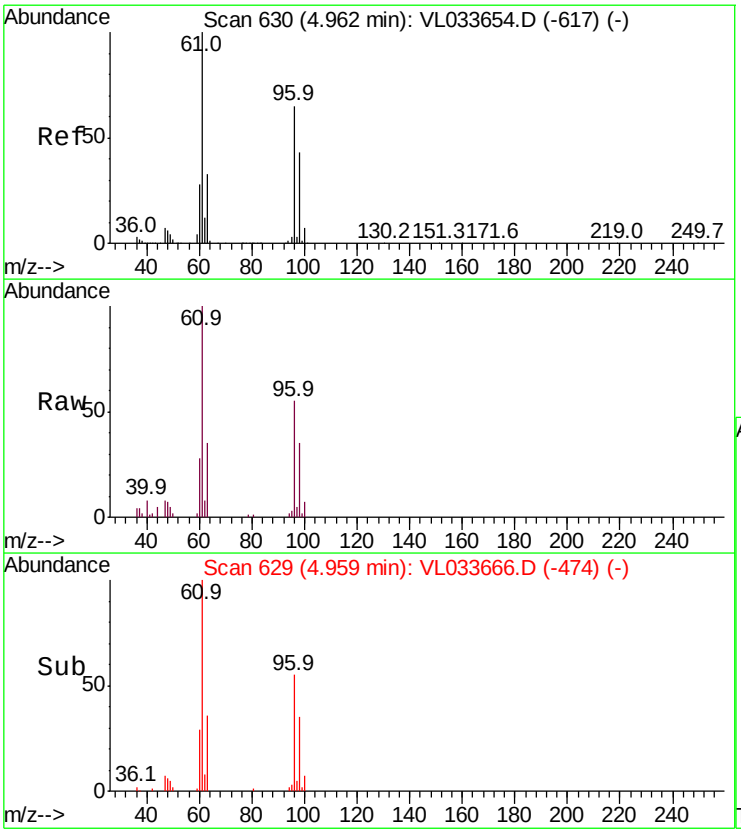
#21
Allyl Chloride
Concen: 0.363 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 31356

Ion	Ratio	Lower	Upper
41	100		
76	29.5	26.0	39.0
39	88.6	64.4	96.6

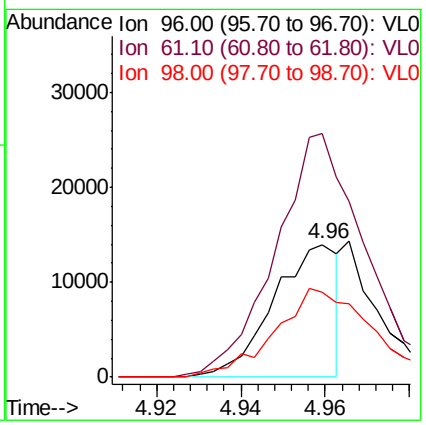


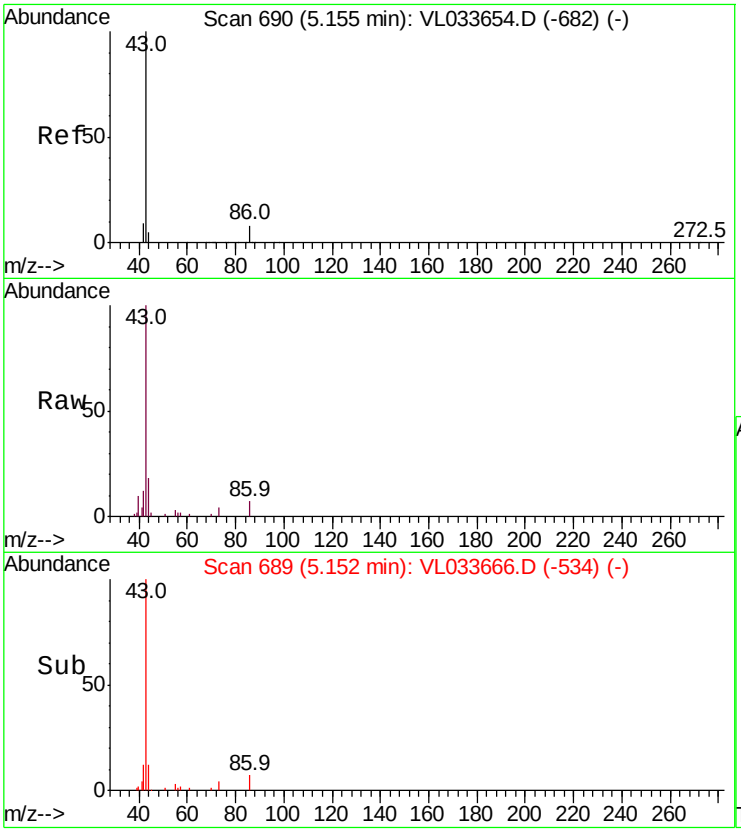


#22
trans-1,2-Dichloroethene
Concen: 0.243 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 96 Resp: 14868

Ion	Ratio	Lower	Upper
96	100		
61	181.0	123.1	184.7
98	63.6	52.6	79.0



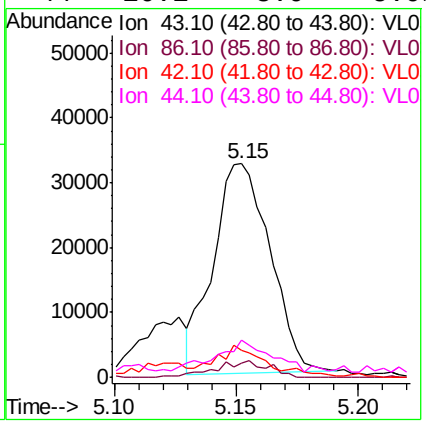


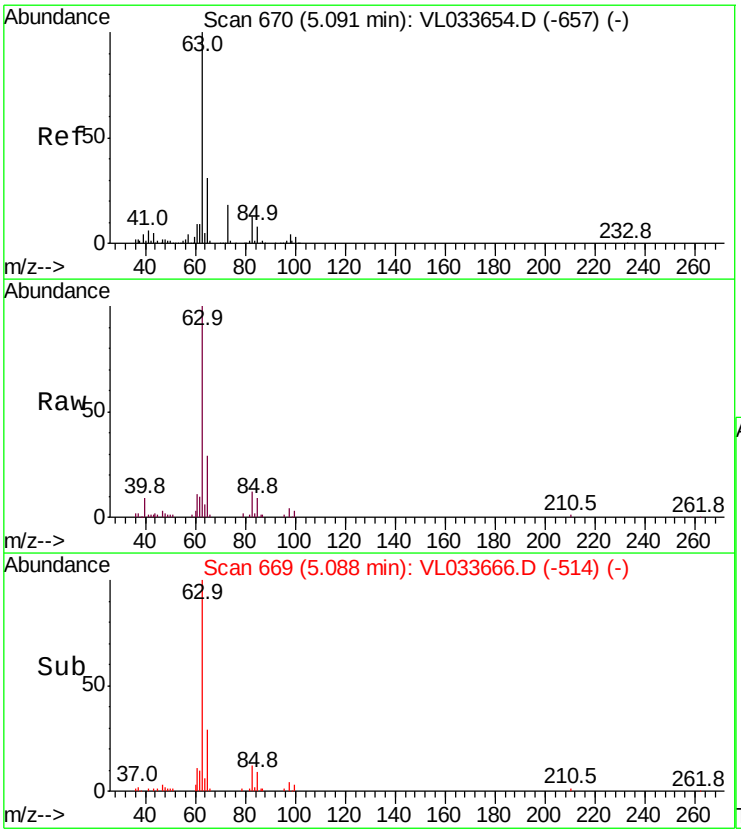
#23
Vinyl Acetate
Concen: 0.284 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 52654

Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.0	9.0
42	11.9	8.0	12.0
44	16.1	3.9	5.9#

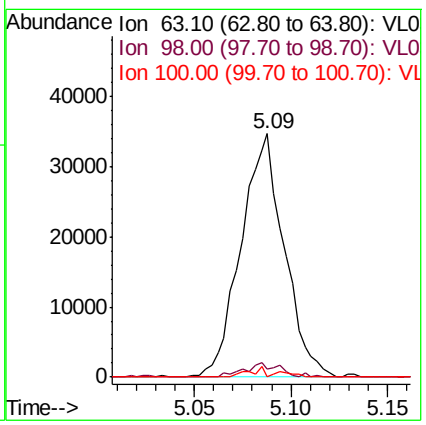


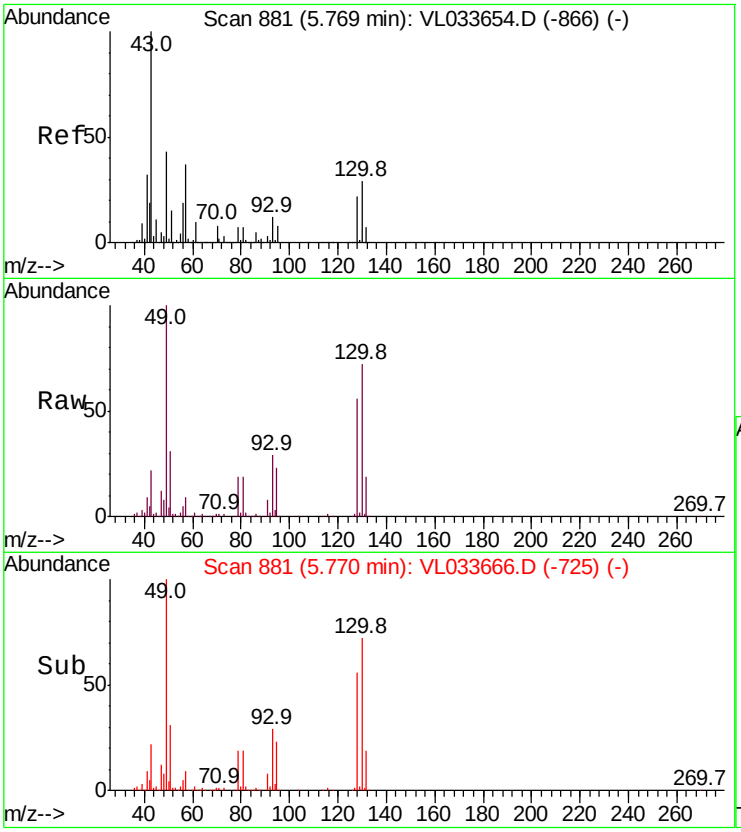


#24
1,1-Dichloroethane
Concen: 0.384 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 63 Resp: 53855

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.1	6.2
100	0.0	1.5	4.4#



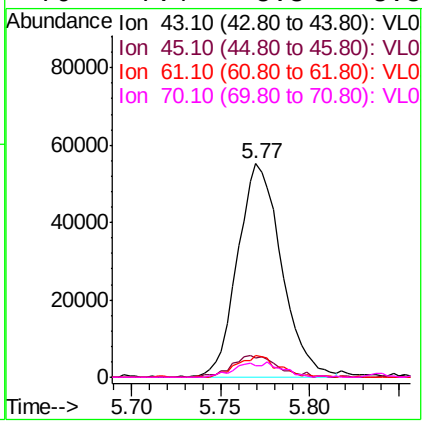


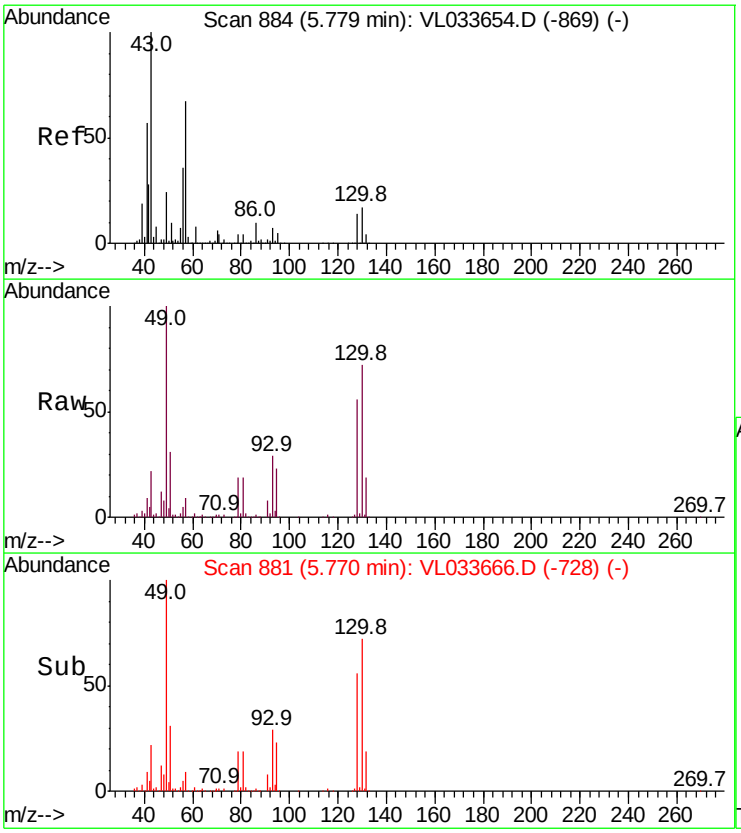
#25
Ethyl Acetate
Concen: 0.408 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 94840

Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.0	12.0
61	9.8	7.5	11.3
70	7.4	5.8	8.8

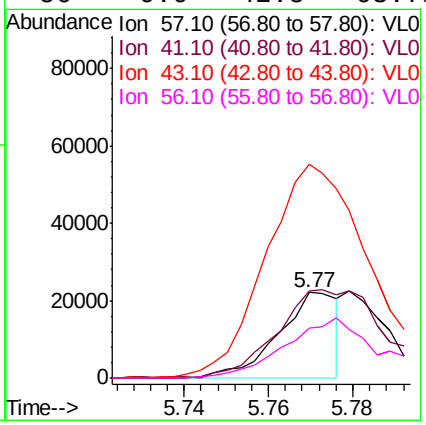


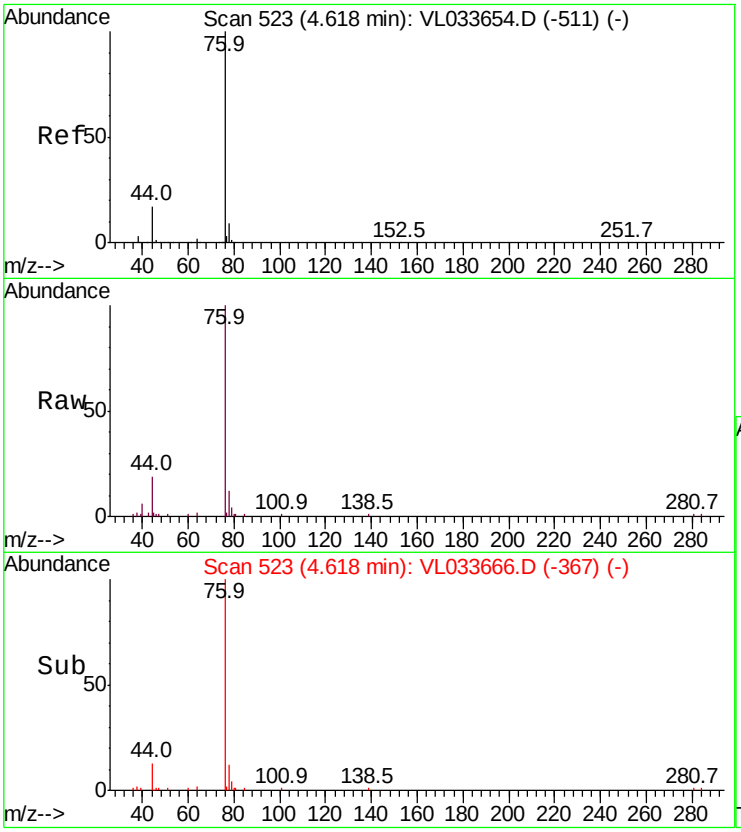


#26
Hexane
Concen: 0.216 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 57 Resp: 21622

Ion	Ratio	Lower	Upper
57	100		
41	0.0	69.7	104.5#
43	444.9	181.9	272.9#
56	0.0	42.5	63.7#



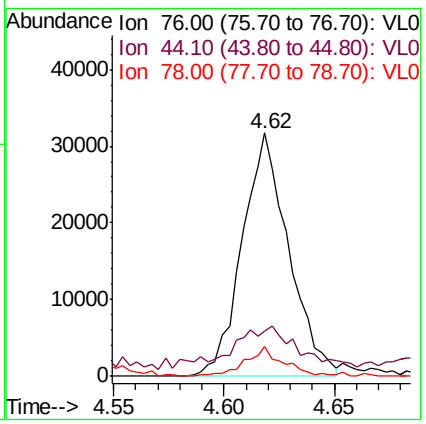


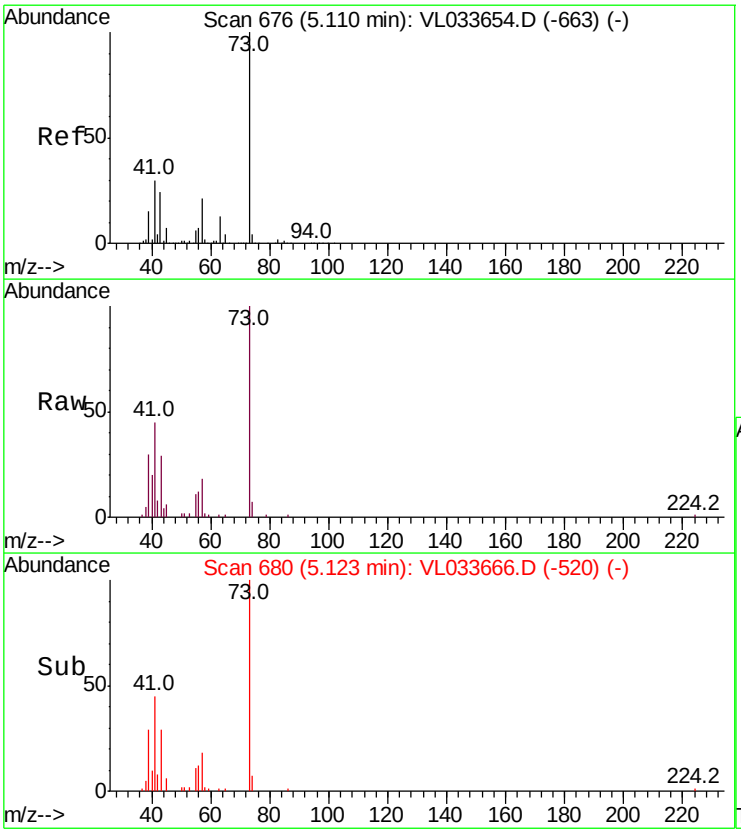
#27
Carbon Disulfide
Concen: 0.341 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 46551

Ion	Ratio	Lower	Upper
76	100		
44	36.4	14.4	21.6#
78	10.6	7.4	11.2

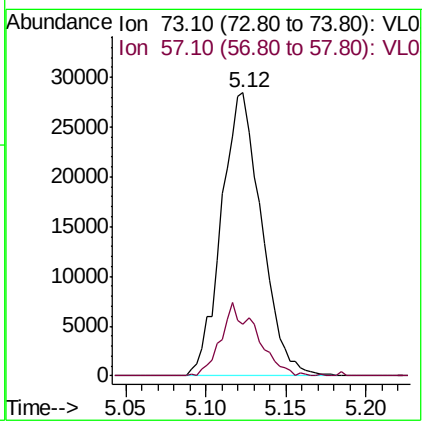


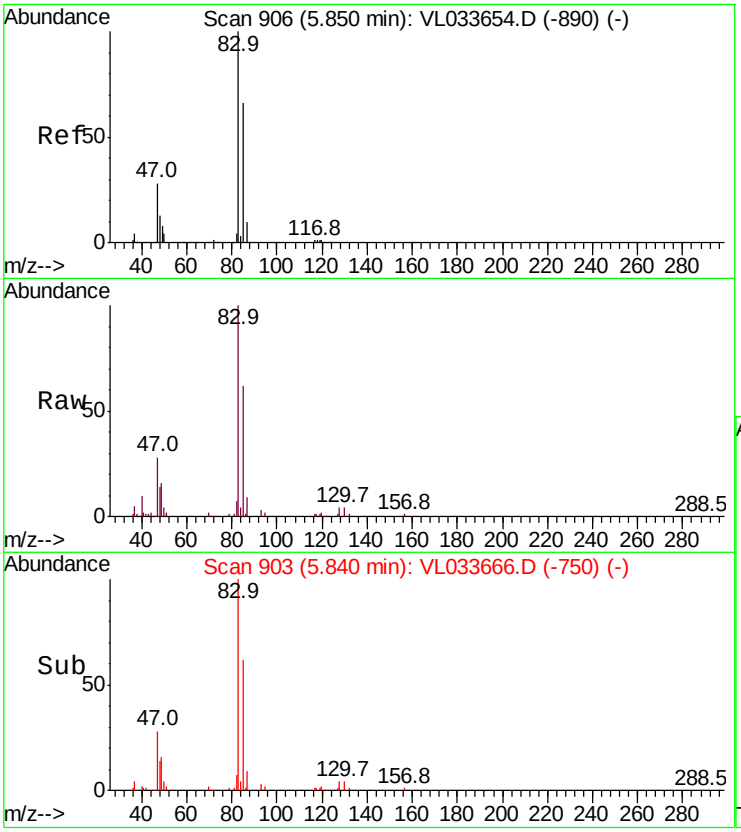


#28
Methyl tert-Butyl Ether
Concen: 0.289 ppbv
RT: 5.12 min Scan# 680
Delta R.T. 0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 73 Resp: 48560

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.0



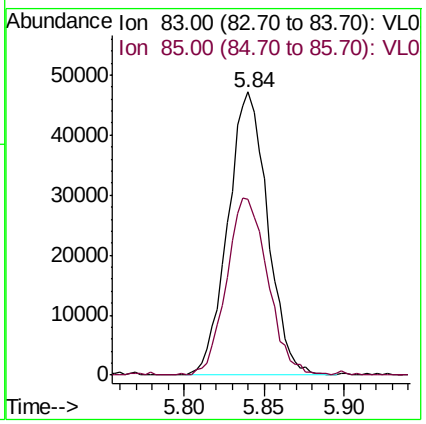


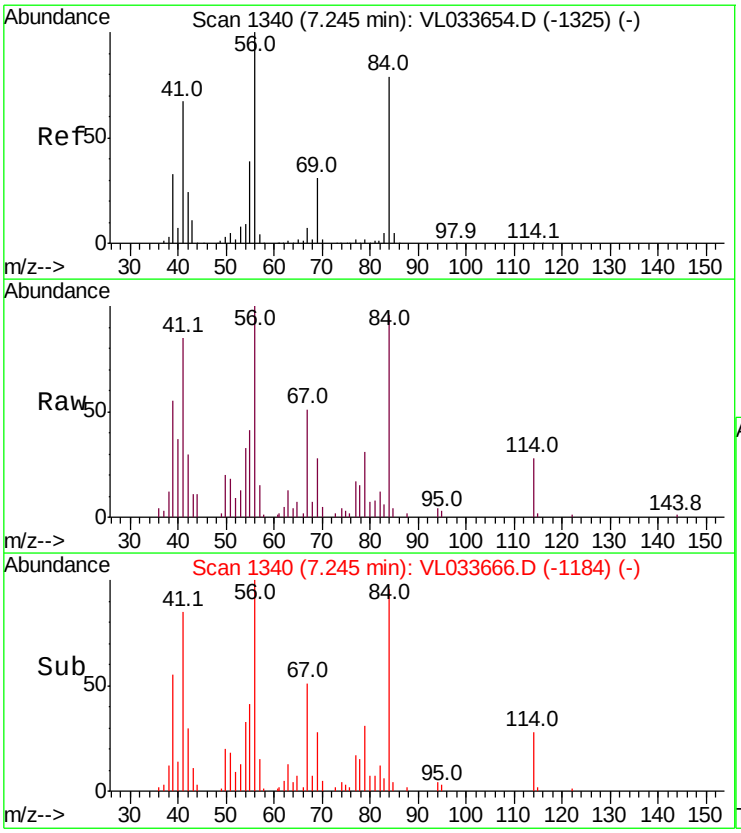
#29
Chloroform
Concen: 0.444 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 79808

Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.6	78.8

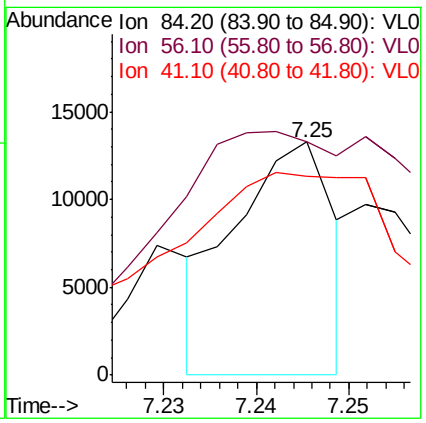


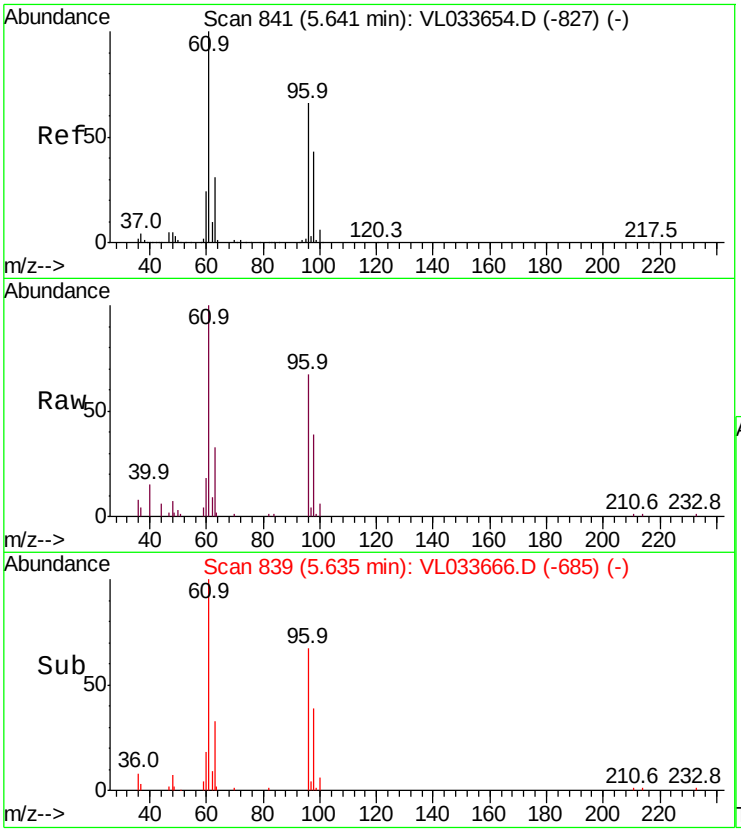


#30
Cyclohexane
Concen: 0.117 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 84 Resp: 9795

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.0	160.4#
41	244.5	66.6	99.8#



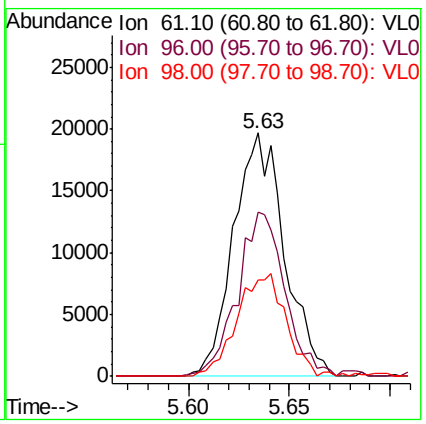


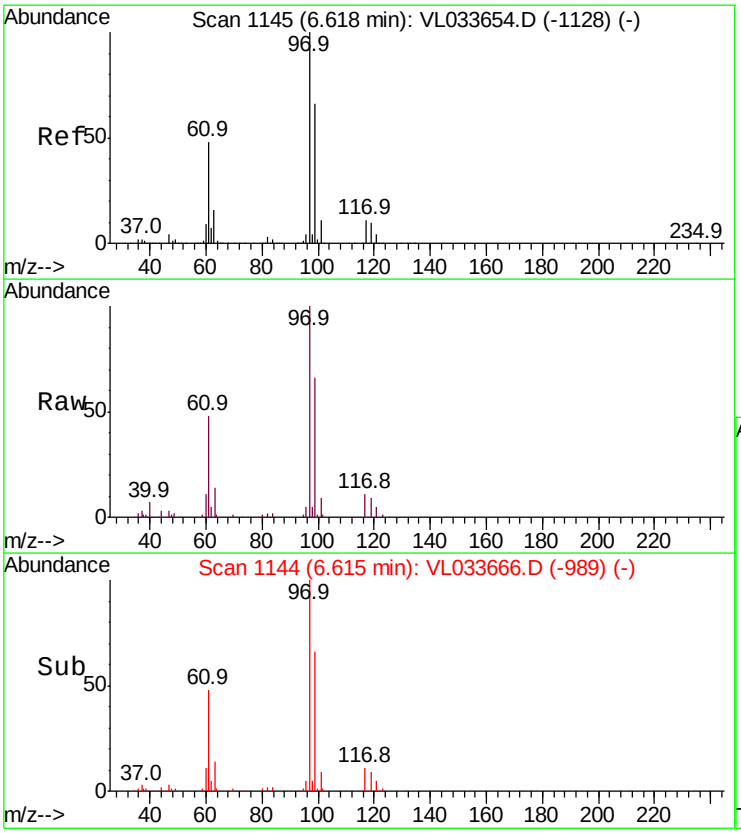
#31
cis-1,2-Dichloroethene
Concen: 0.348 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 34635

Ion	Ratio	Lower	Upper
61	100		
96	67.4	53.2	79.8
98	39.7	34.2	51.4

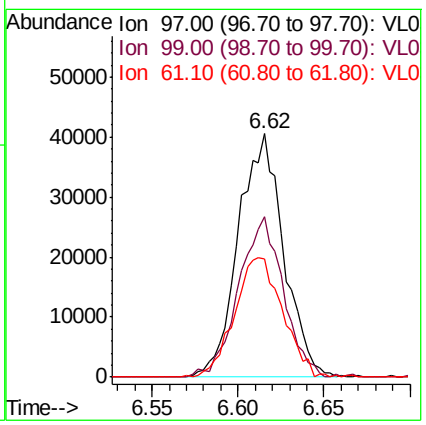


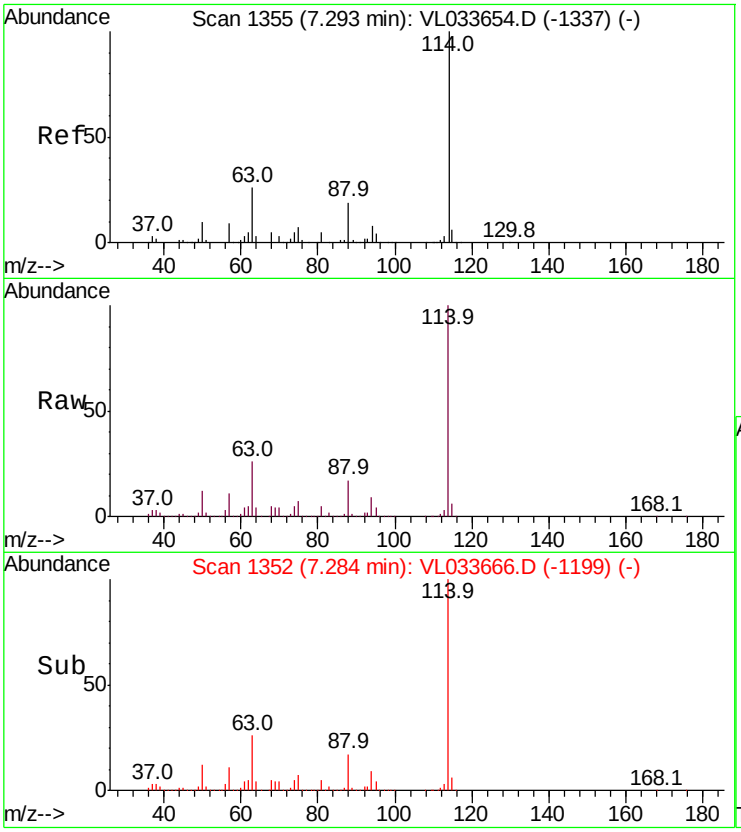


#32
1,1,1-Trichloroethane
Concen: 0.398 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 97 Resp: 73881

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	52.1	38.5	57.7



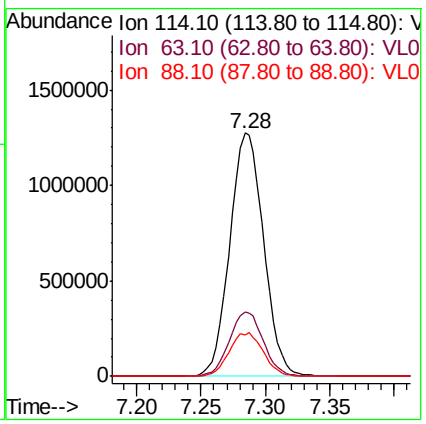


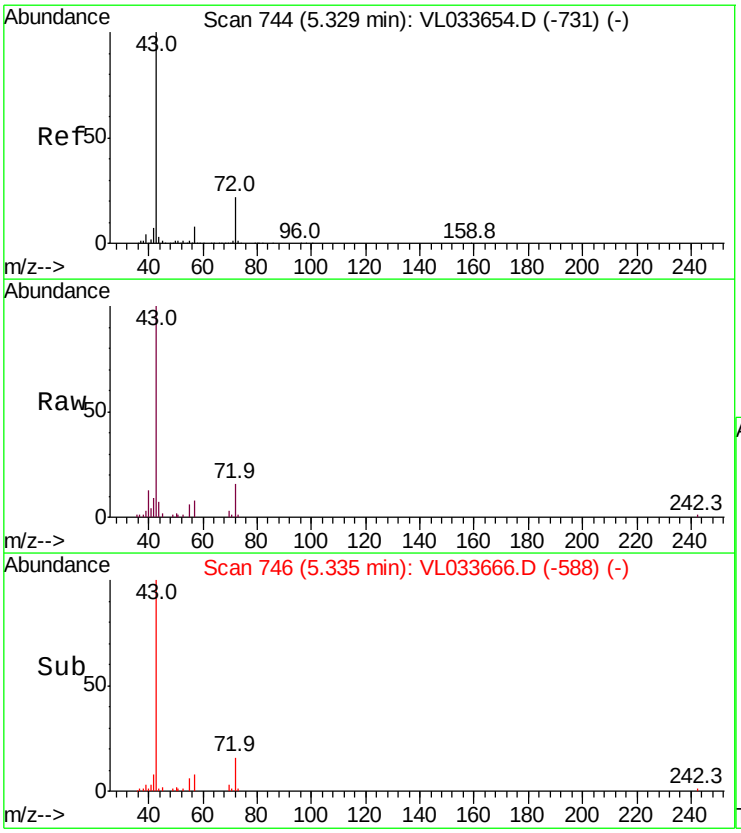
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2323912

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.3	31.9
88	18.1	14.4	21.6

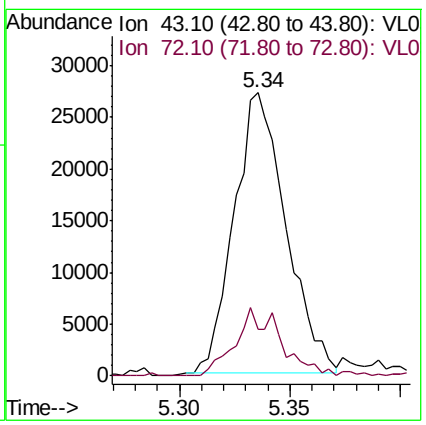


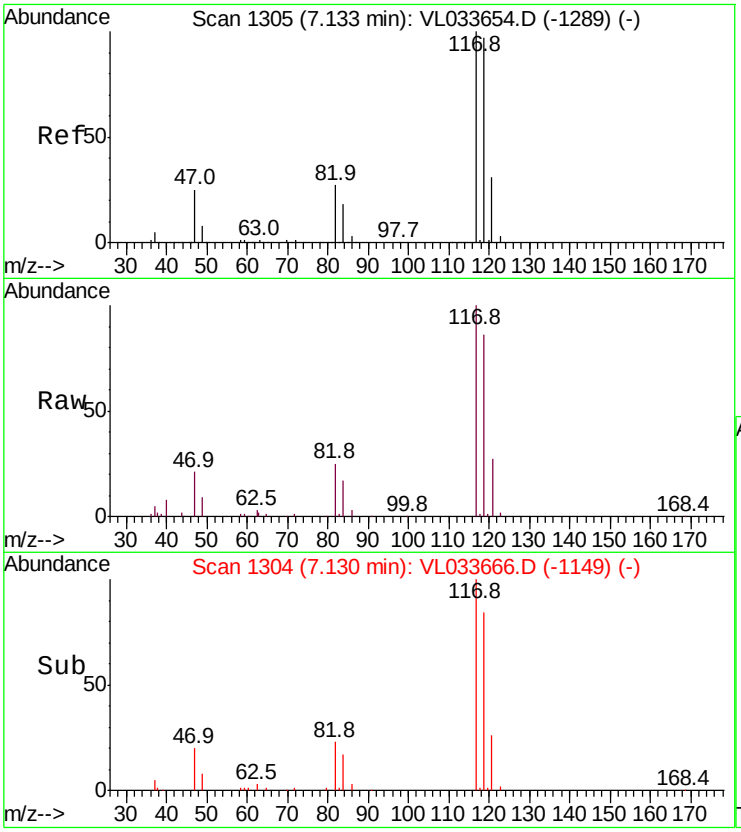


#34
2-Butanone
Concen: 0.298 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 43 Resp: 44304

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.5	26.3



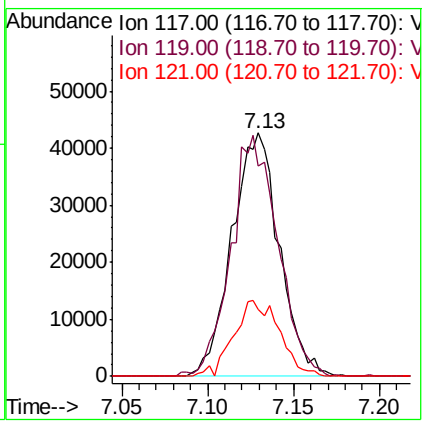


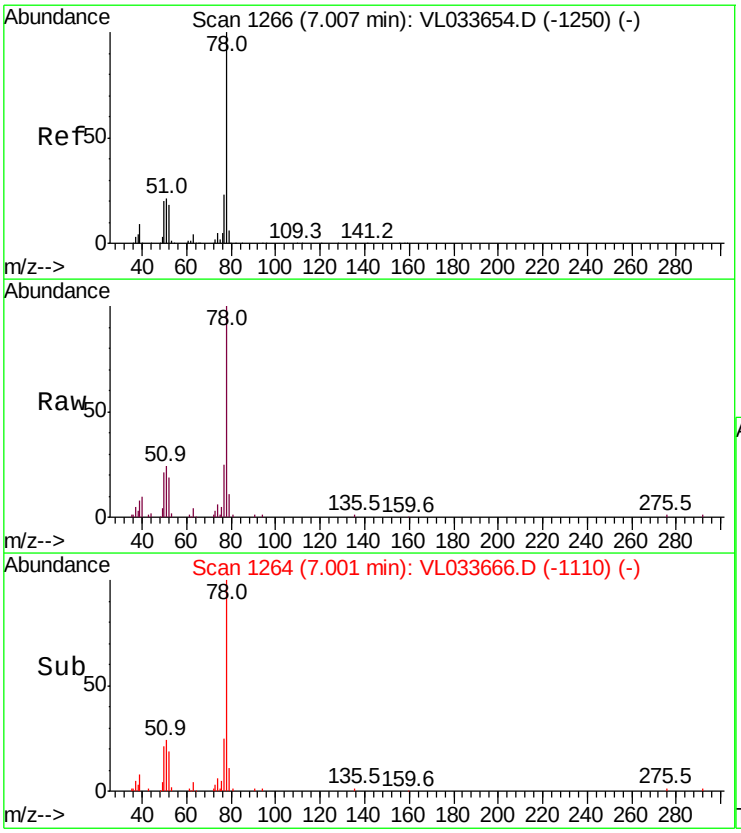
#35
Carbon Tetrachloride
Concen: 0.426 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 81336

Ion	Ratio	Lower	Upper
117	100		
119	86.8	77.9	116.9
121	27.2	25.0	37.6

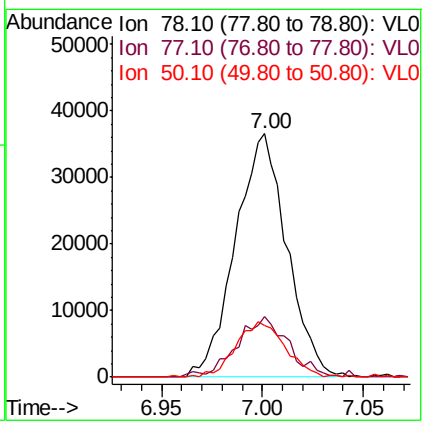


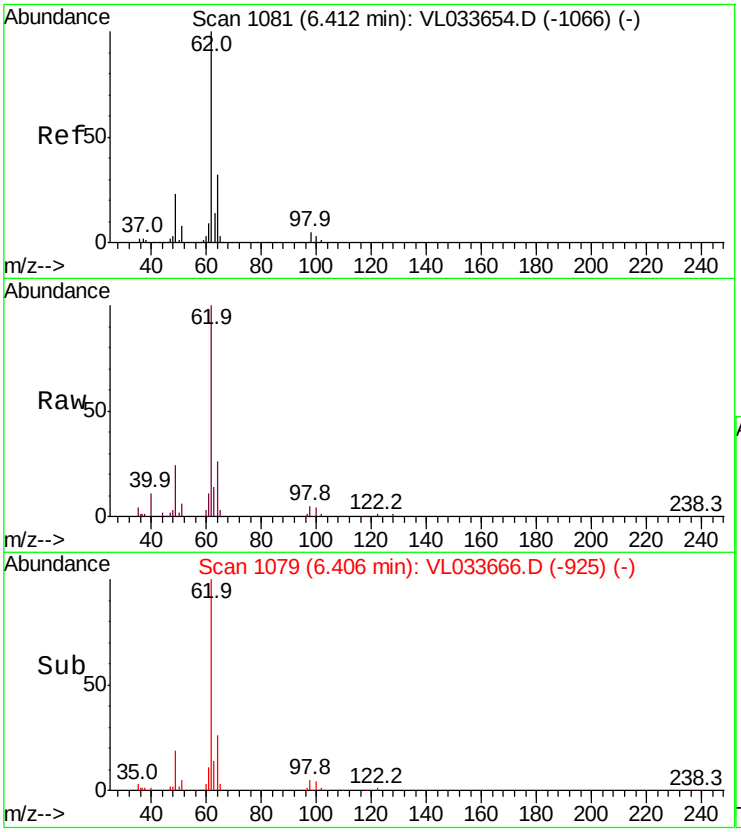


#36
Benzene
Concen: 0.313 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 78 Resp: 65172

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.2	27.2
50	21.4	15.8	23.6



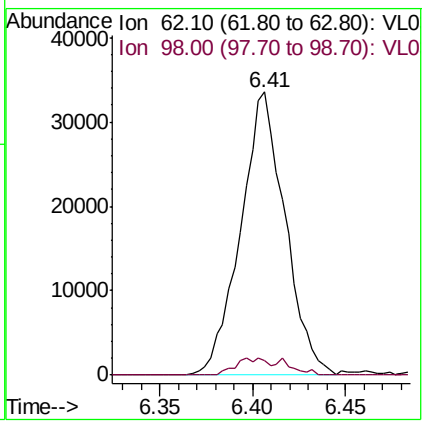


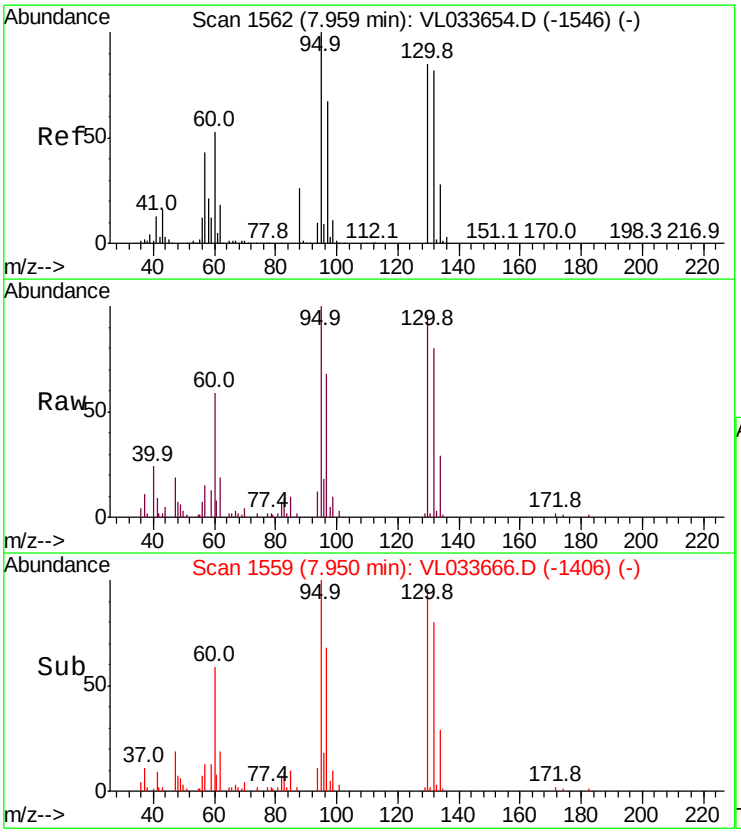
#37
1,2-Dichloroethane
Concen: 0.385 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 55942

Ion	Ratio	Lower	Upper
62	100		
98	6.5	4.5	6.7

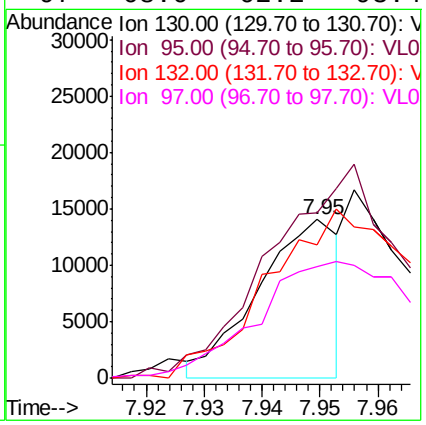


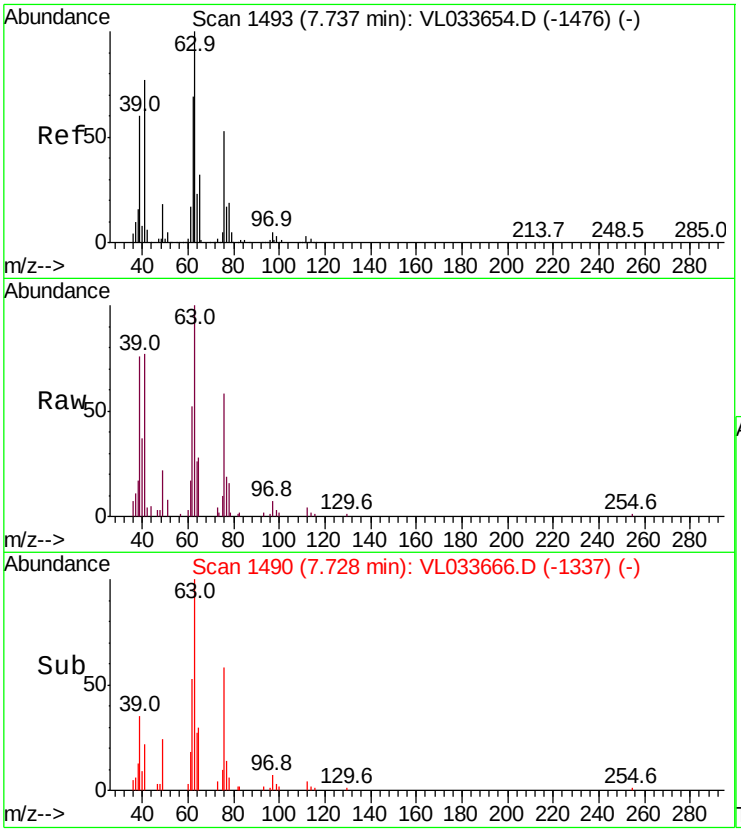


#38
Trichloroethene
Concen: 0.177 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:130 Resp: 13523

Ion	Ratio	Lower	Upper
130	100		
95	98.6	93.4	140.0
132	76.1	76.2	114.4#
97	68.0	62.2	93.4



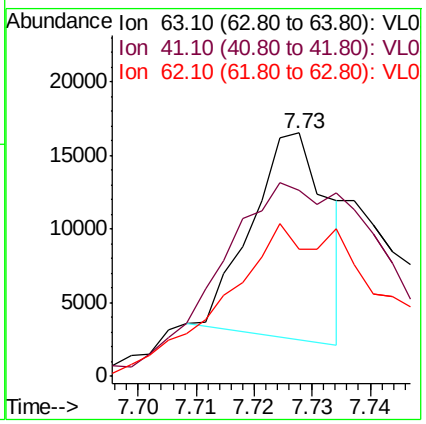


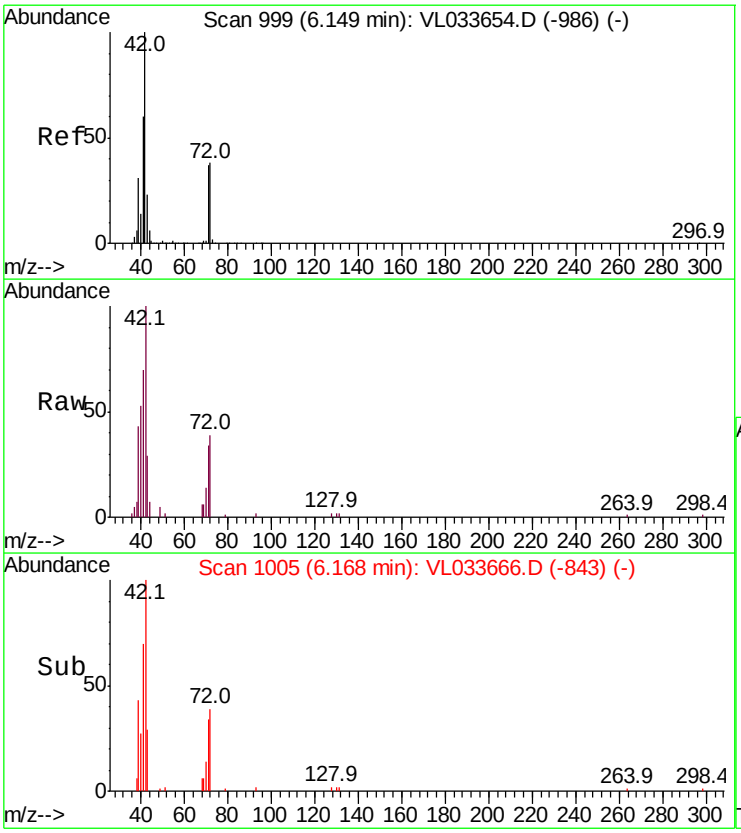
#39
1,2-Dichloropropane
Concen: 0.162 ppbv
RT: 7.73 min Scan# 1490
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 12613

Ion	Ratio	Lower	Upper
63	100		
41	74.5	61.6	92.4
62	47.5	55.0	82.6#

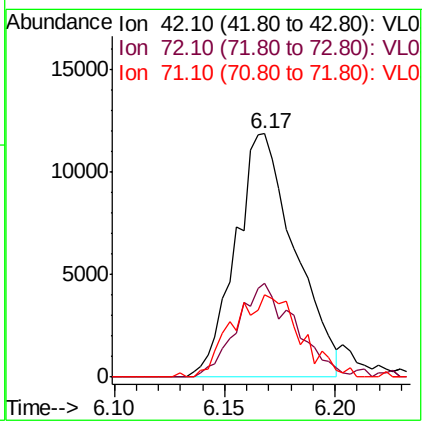


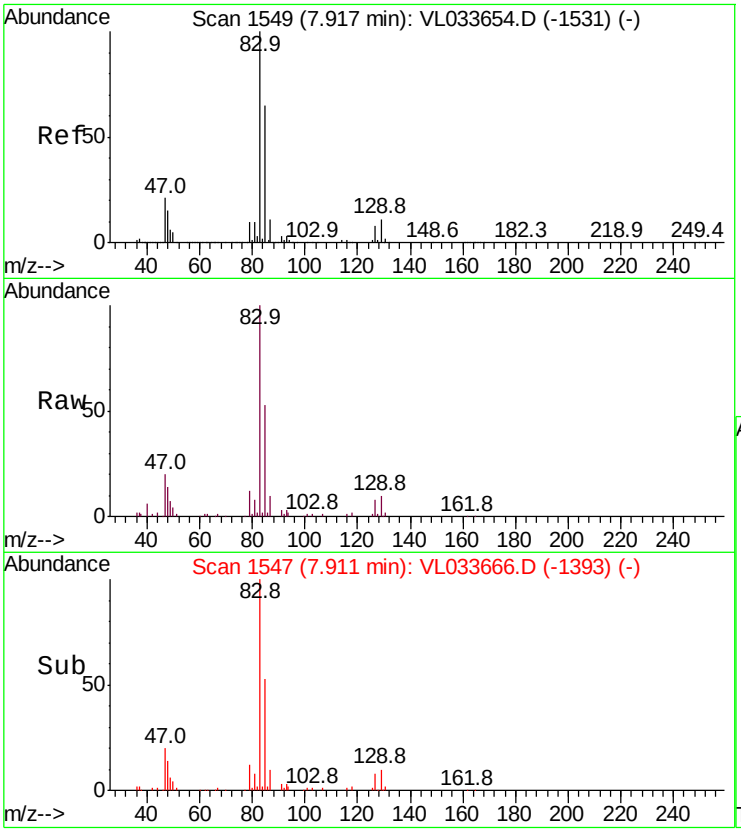


#41
Tetrahydrofuran
Concen: 0.288 ppbv
RT: 6.17 min Scan# 1005
Delta R.T. 0.02 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 42 Resp: 22174

Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.6	47.4
71	38.7	30.6	46.0



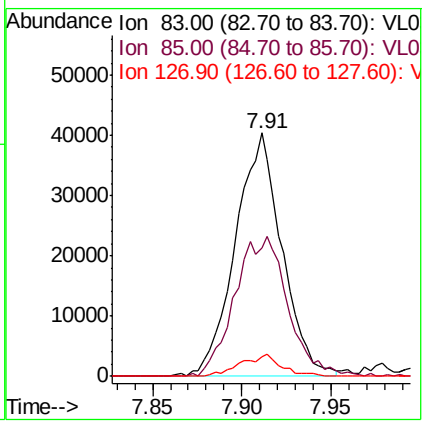


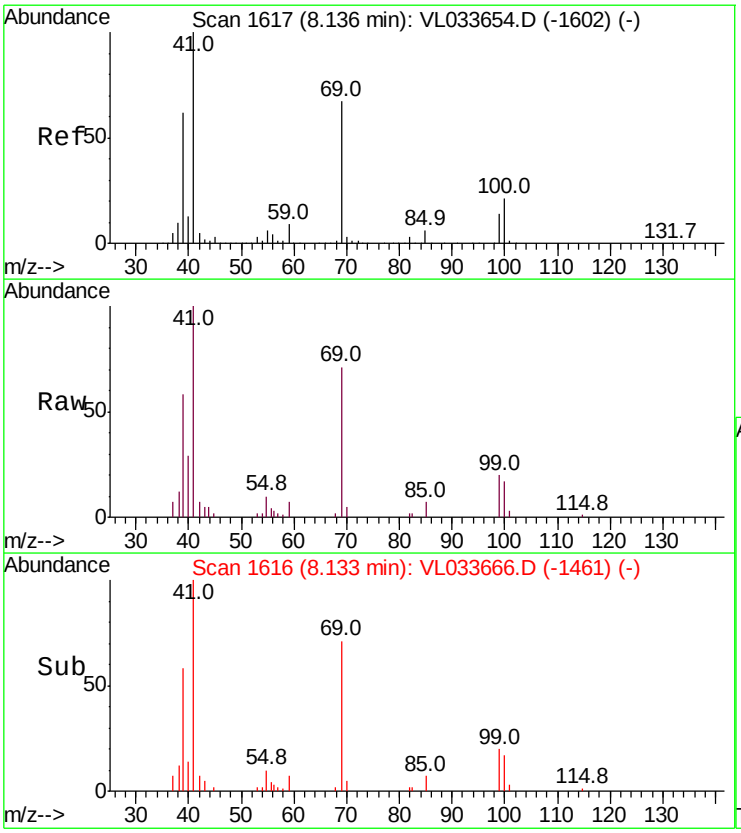
#42
Bromodichloromethane
Concen: 0.393 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 73724

Ion	Ratio	Lower	Upper
83	100		
85	53.0	52.4	78.6
127	9.0	6.6	9.8

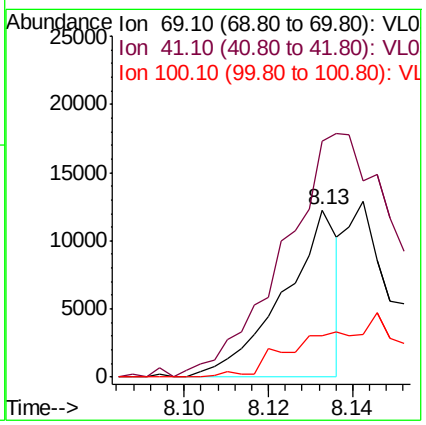


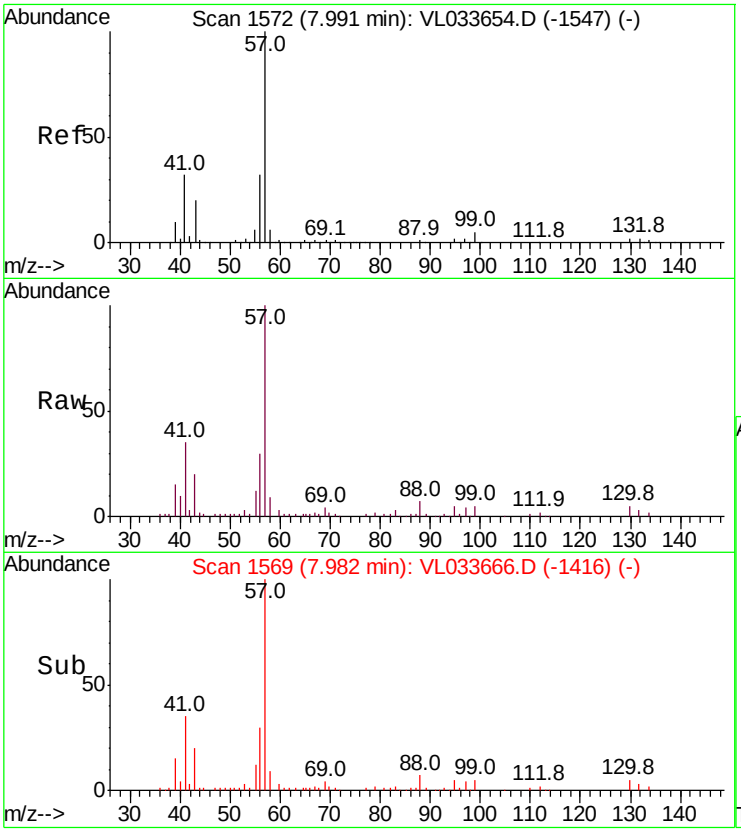


#43
Methyl Methacrylate
Concen: 0.140 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 69 Resp: 10960

Ion	Ratio	Lower	Upper
69	100		
41	320.8	116.6	175.0#
100	0.0	24.6	37.0#



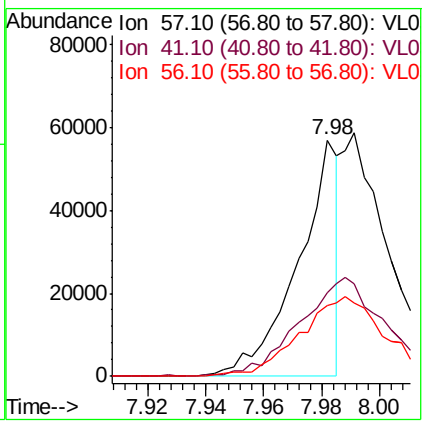


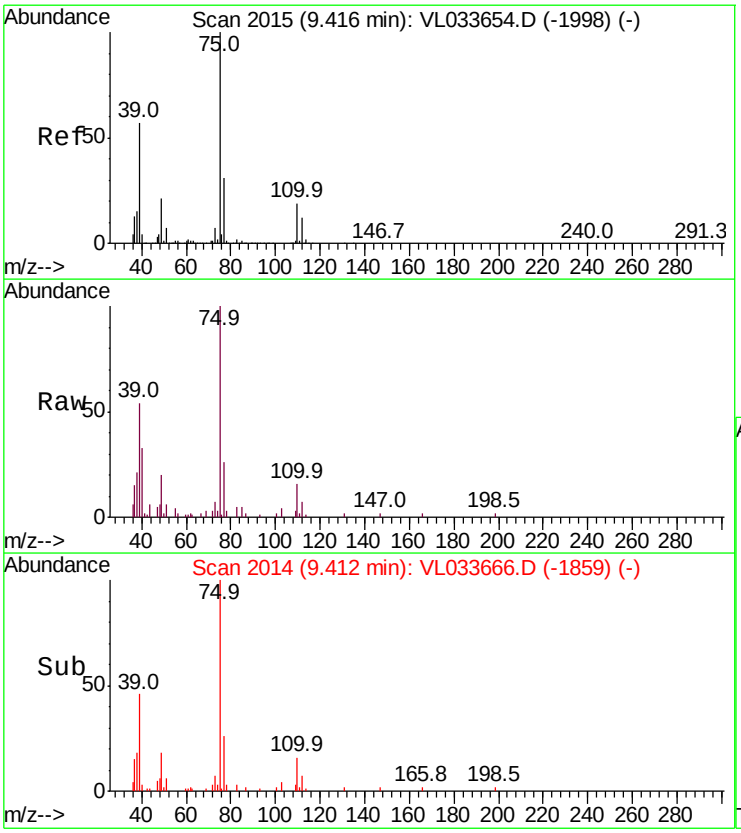
#44
2,2,4-Trimethylpentane
Concen: 0.154 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 54913

Ion	Ratio	Lower	Upper
57	100		
41	0.0	25.7	38.5#
56	0.0	25.0	37.6#

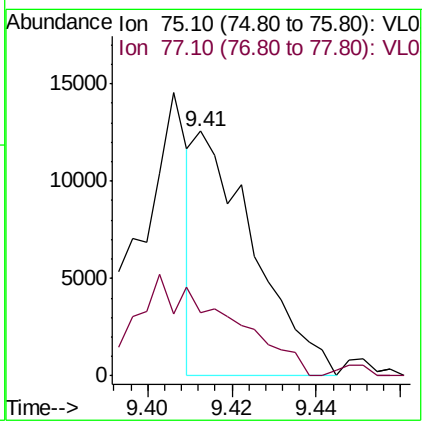


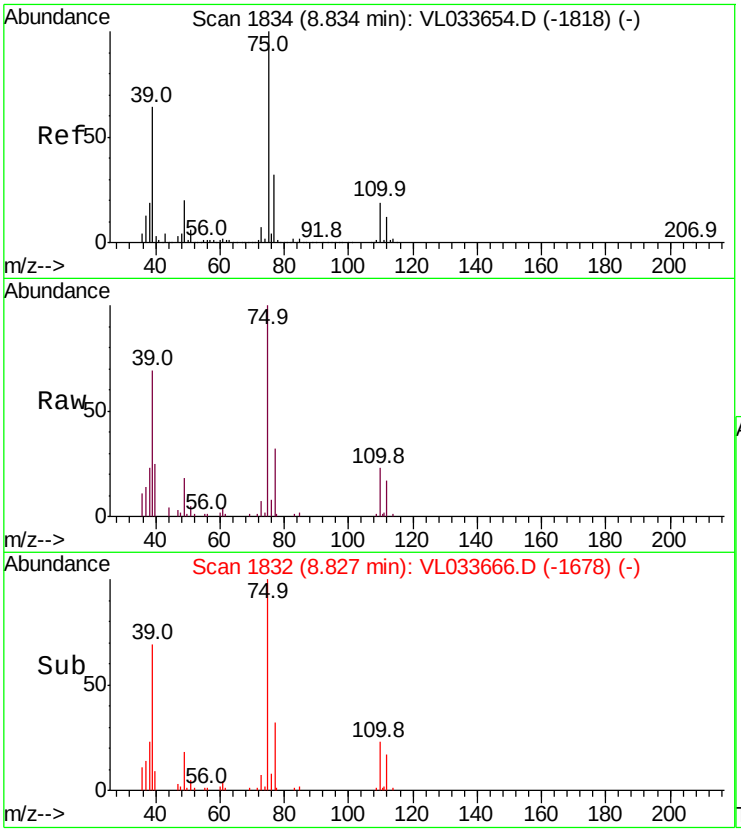


#45
t-1,3-Dichloropropene
Concen: 0.126 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 75 Resp: 12124

Ion	Ratio	Lower	Upper
75	100		
77	25.6	24.7	37.1



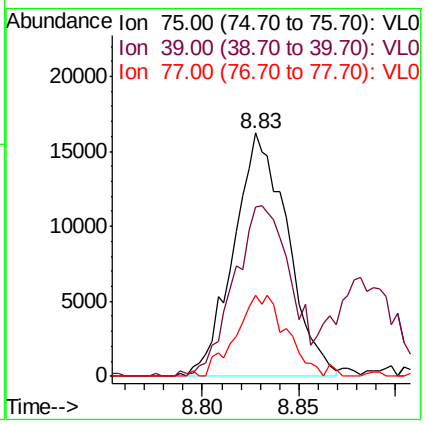


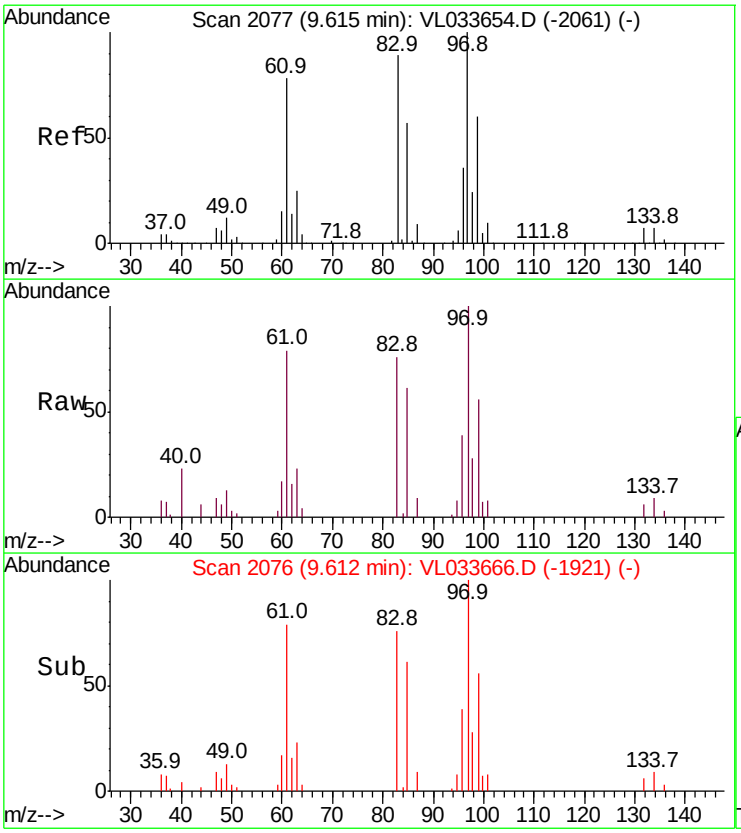
#46
cis-1,3-Dichloropropene
Concen: 0.261 ppbv
RT: 8.83 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 31308

Ion	Ratio	Lower	Upper
75	100		
39	68.1	51.5	77.3
77	33.3	25.4	38.0

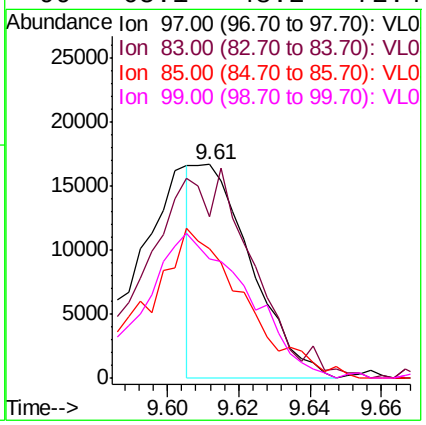


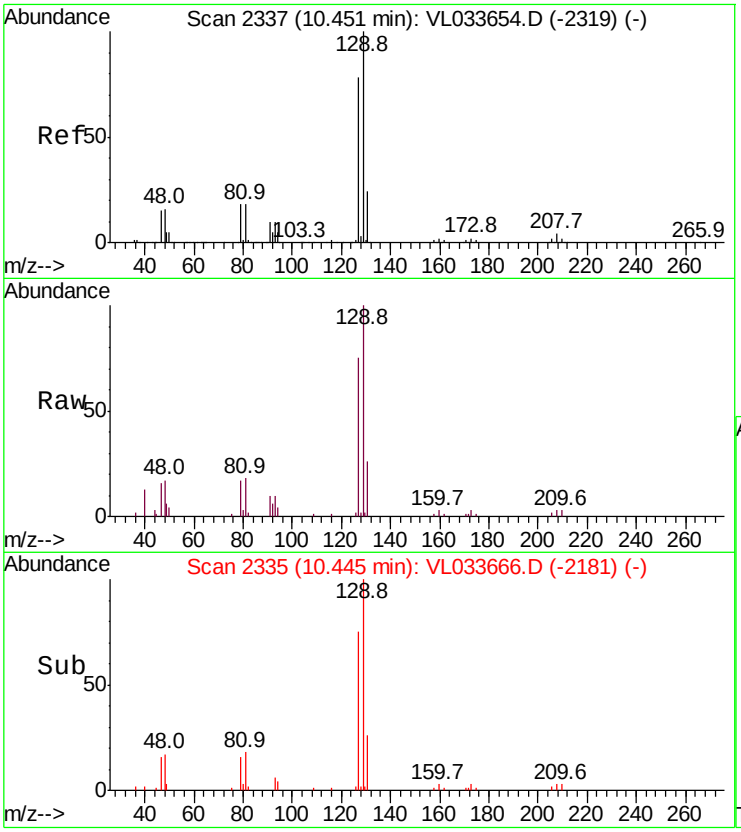


#47
1,1,2-Trichloroethane
Concen: 0.208 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 97 Resp: 18559

Ion	Ratio	Lower	Upper
97	100		
83	73.1	70.9	106.3
85	56.7	45.8	68.6
99	65.1	48.2	72.4



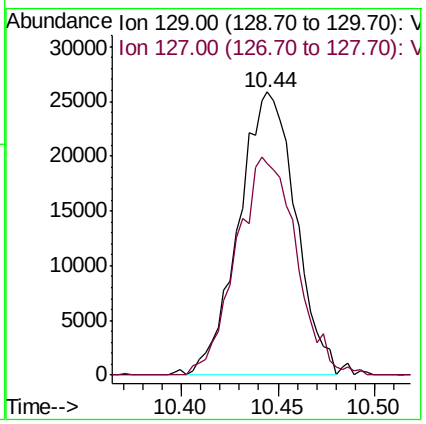


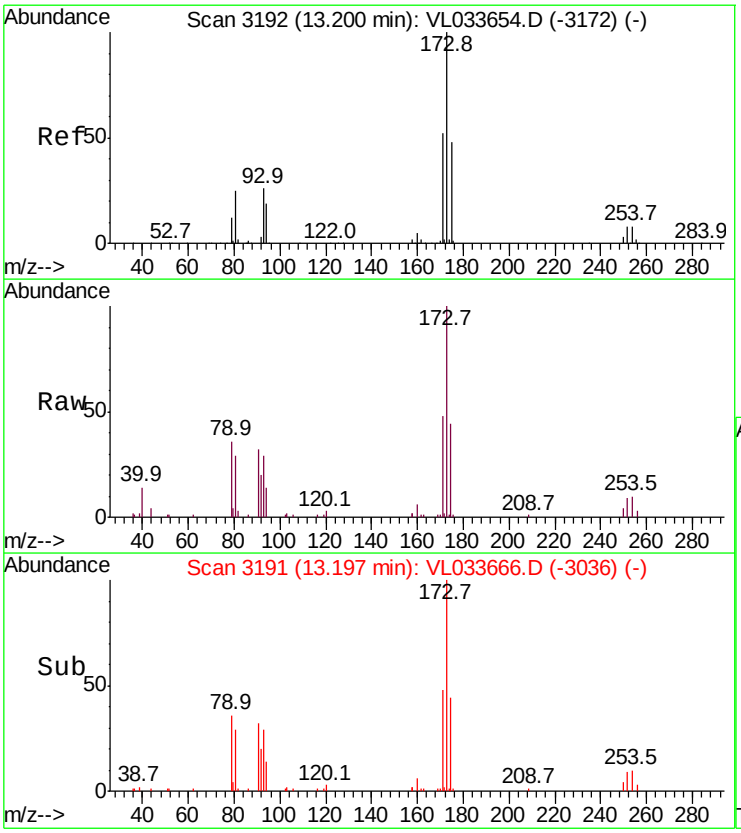
#48
Dibromochloromethane
Concen: 0.349 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:129 Resp: 52839

Ion	Ratio	Lower	Upper
129	100		
127	81.4	39.1	117.2

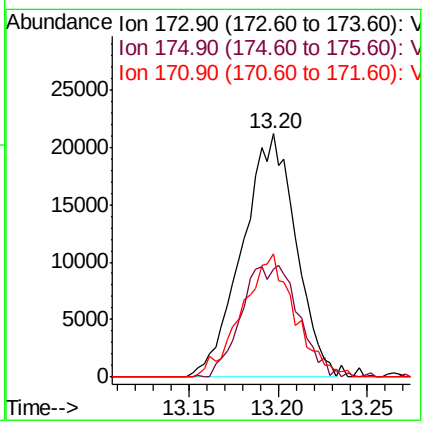


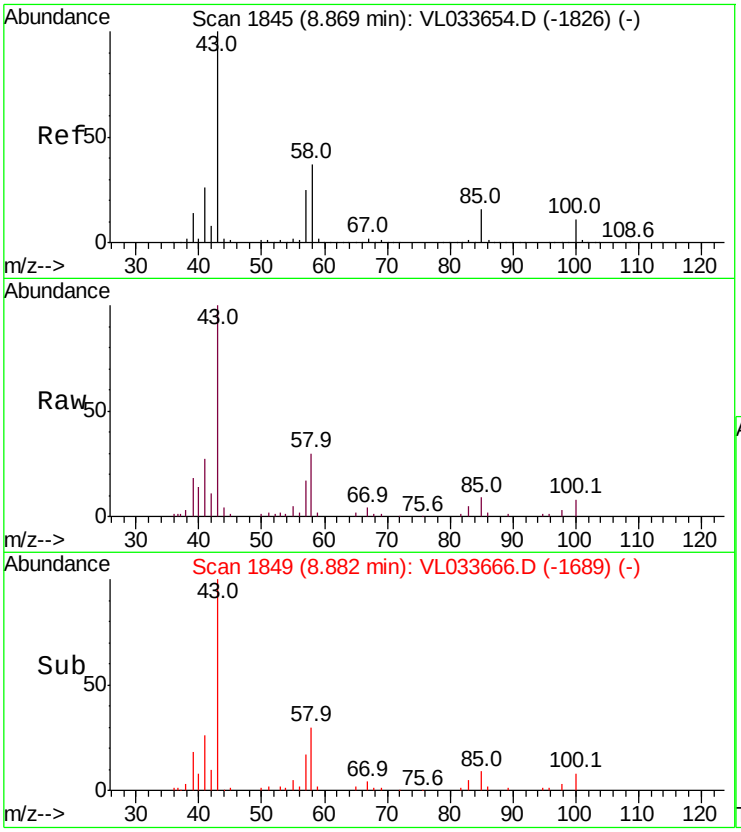


#49
Bromoform
Concen: 0.337 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:173 Resp: 44299

Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.3	58.9
171	49.7	41.5	62.3



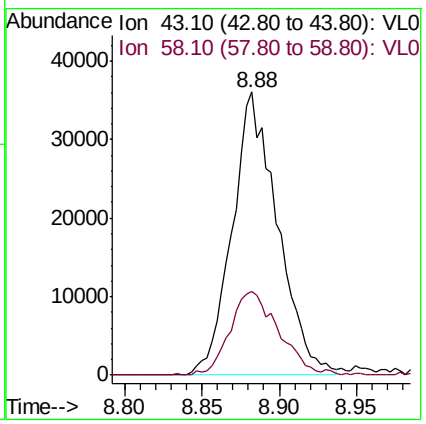


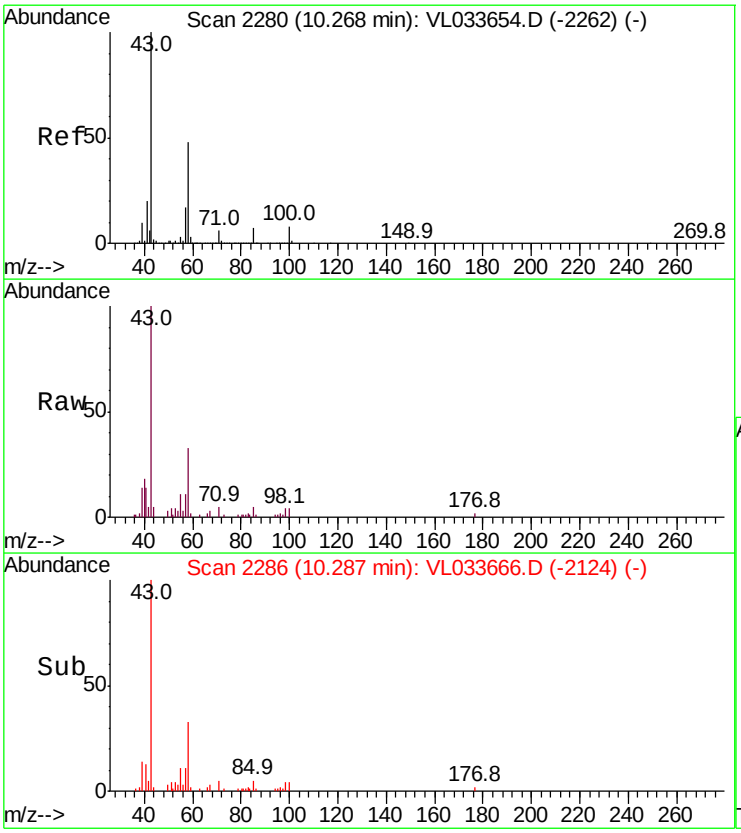
#50
4-Methyl-2-Pentanone
Concen: 0.326 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 73516

Ion	Ratio	Lower	Upper
43	100		
58	31.8	28.8	43.2

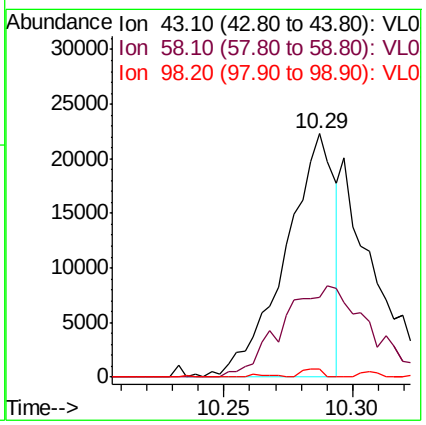


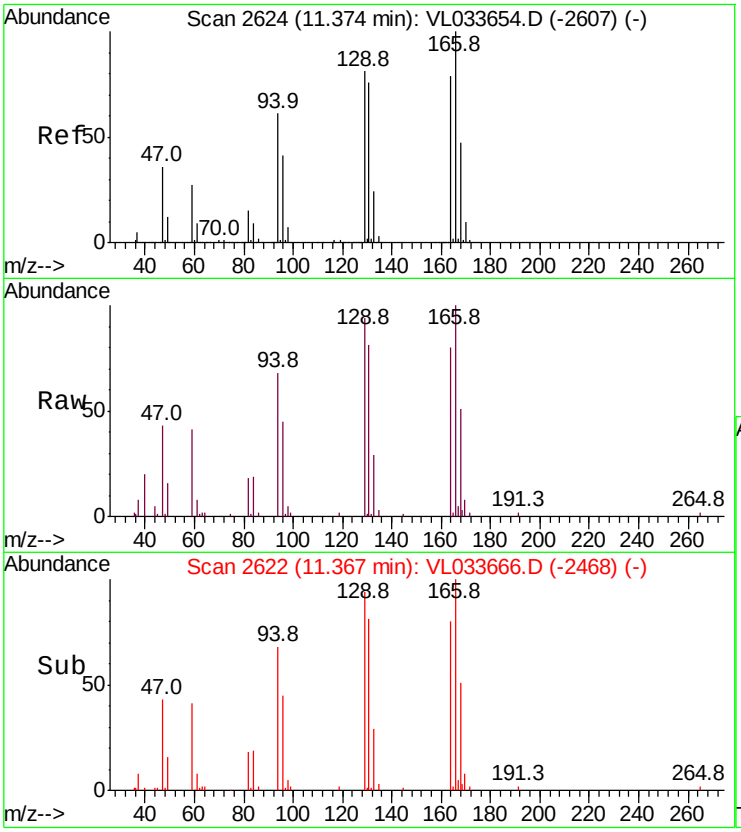


#51
2-Hexanone
Concen: 0.170 ppbv
RT: 10.29 min Scan# 2286
Delta R.T. 0.02 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 43 Resp: 29687

Ion	Ratio	Lower	Upper
43	100		
58	69.5	38.2	57.4#
98	2.9	0.2	0.4#



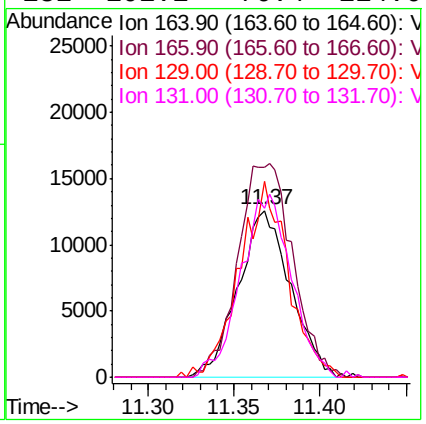


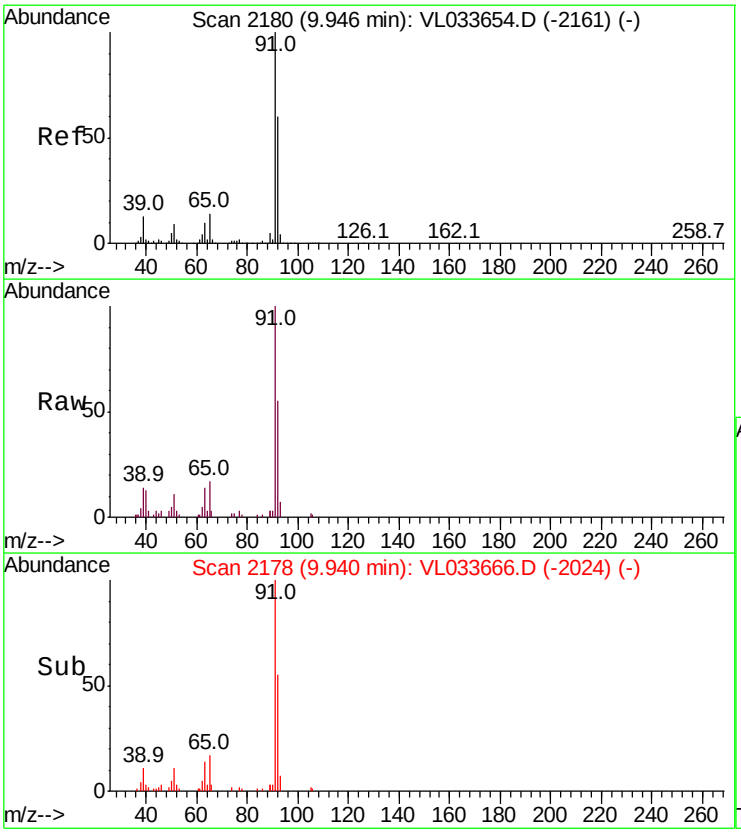
#52
Tetrachloroethene
Concen: 0.361 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 26628

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.6	151.0
129	117.4	81.0	121.6
131	101.1	76.4	114.6

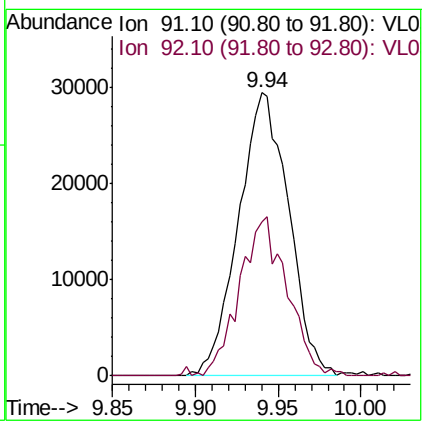


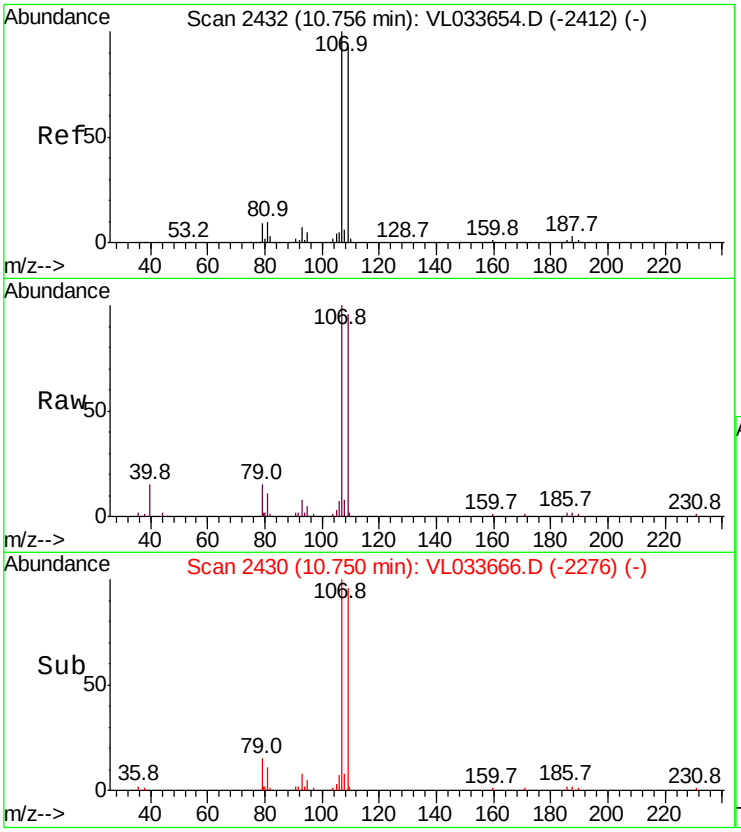


#53
Toluene
Concen: 0.275 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 91 Resp: 61915

Ion	Ratio	Lower	Upper
91	100		
92	53.7	47.7	71.5



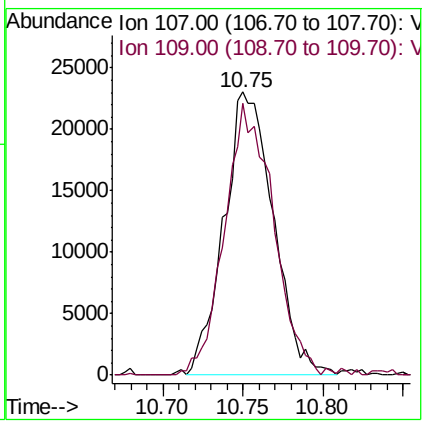


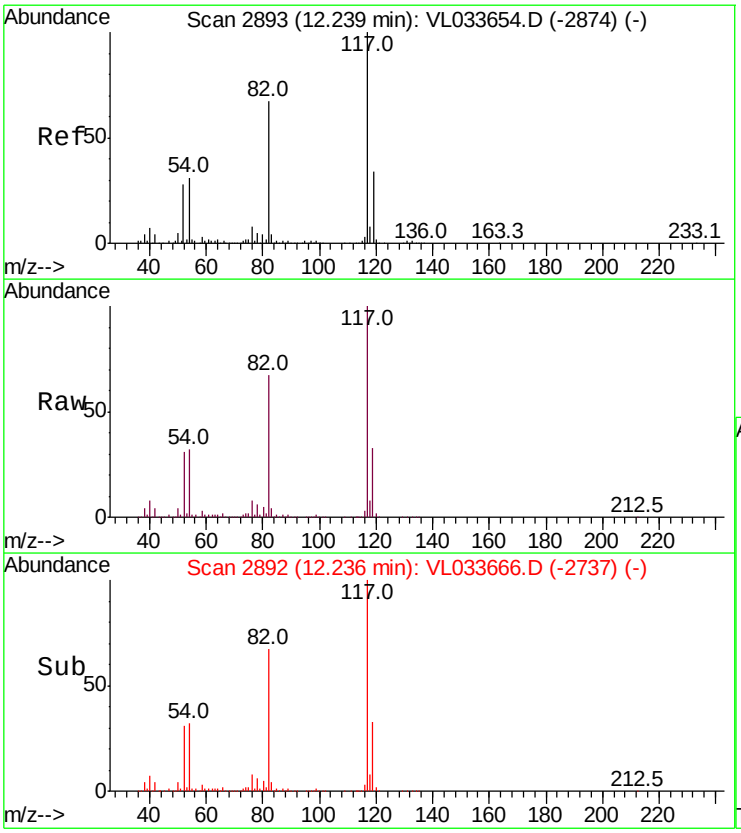
#54
1,2-Dibromoethane
Concen: 0.362 ppbv
RT: 10.75 min Scan# 2430
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:107 Resp: 48609

Ion	Ratio	Lower	Upper
107	100		
109	90.1	74.6	111.8

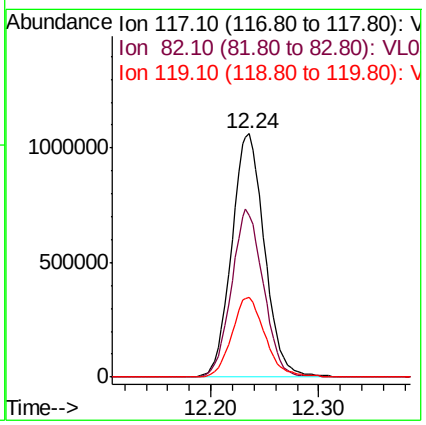


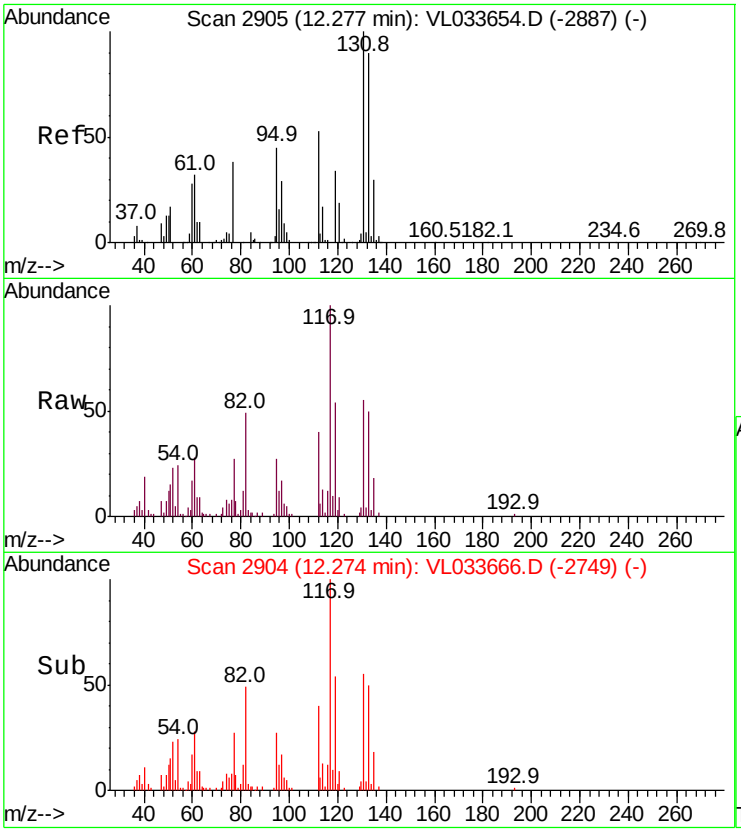


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:117 Resp: 2248718

Ion	Ratio	Lower	Upper
117	100		
82	67.6	49.7	74.5
119	33.3	24.8	37.2



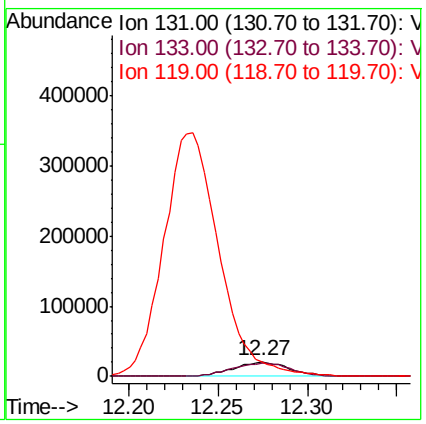


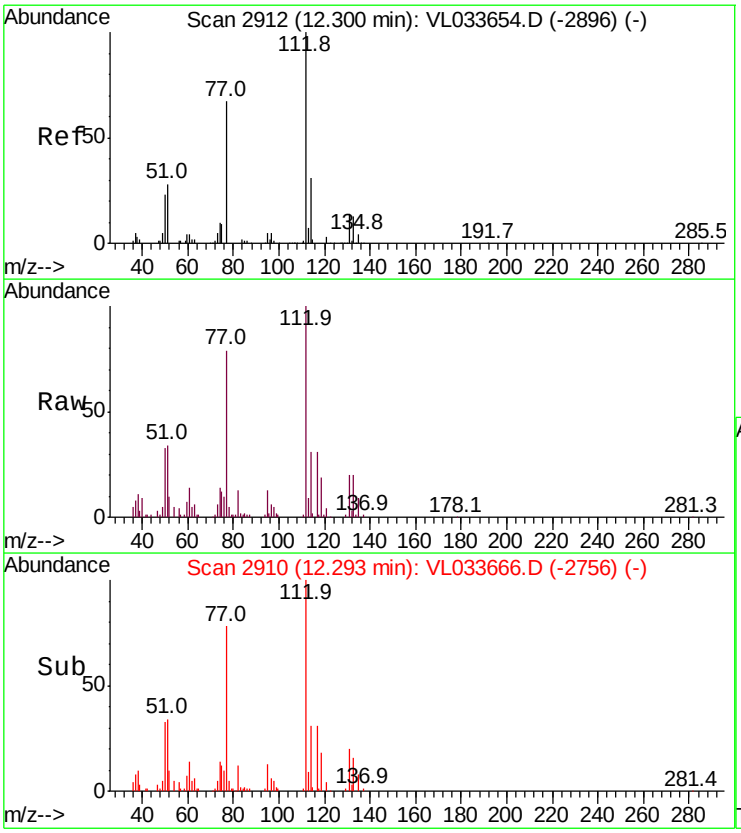
#56
1,1,1,2-Tetrachloroethane
Concen: 0.431 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:131 Resp: 44679

Ion	Ratio	Lower	Upper
131	100		
133	98.0	76.0	114.0
119	1680.2	45.4	68.2#

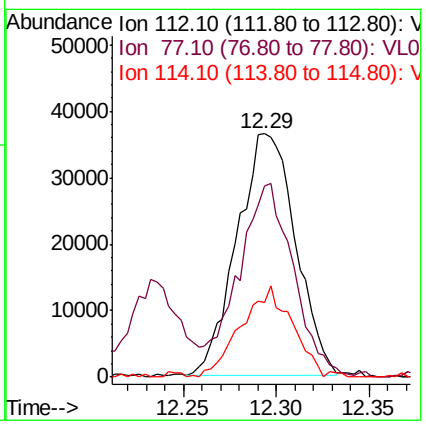


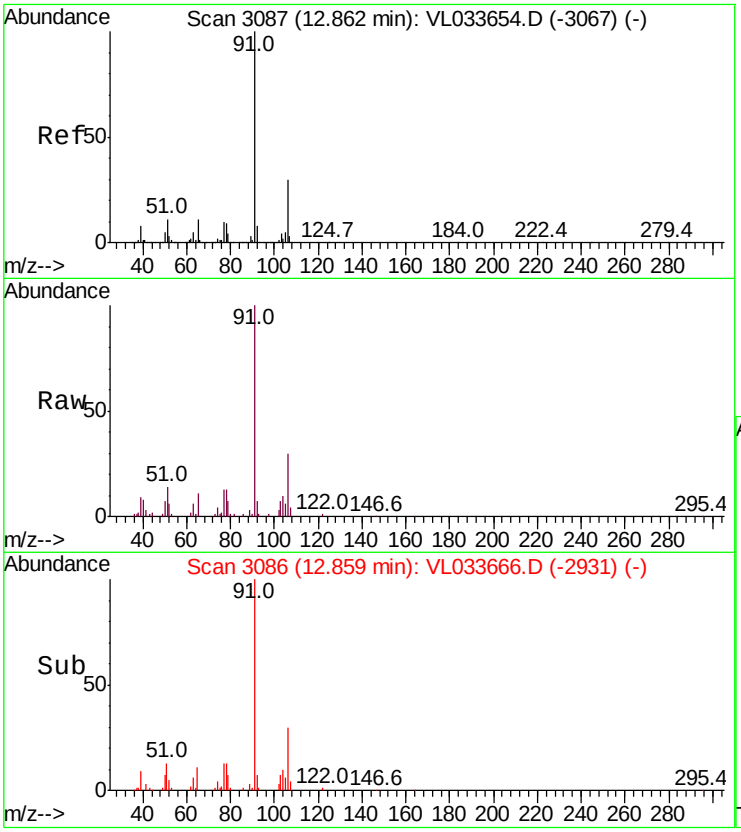


#57
Chlorobenzene
Concen: 0.433 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:112 Resp: 79937

Ion	Ratio	Lower	Upper
112	100		
77	67.8	54.4	81.6
114	28.2	28.2	34.4



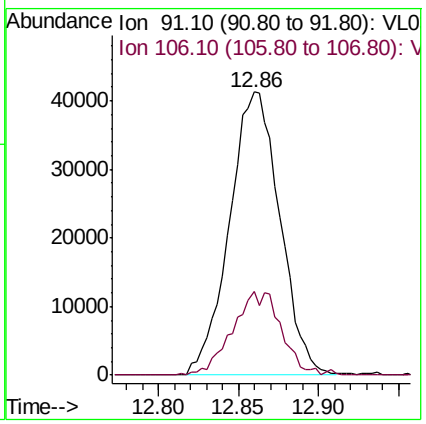


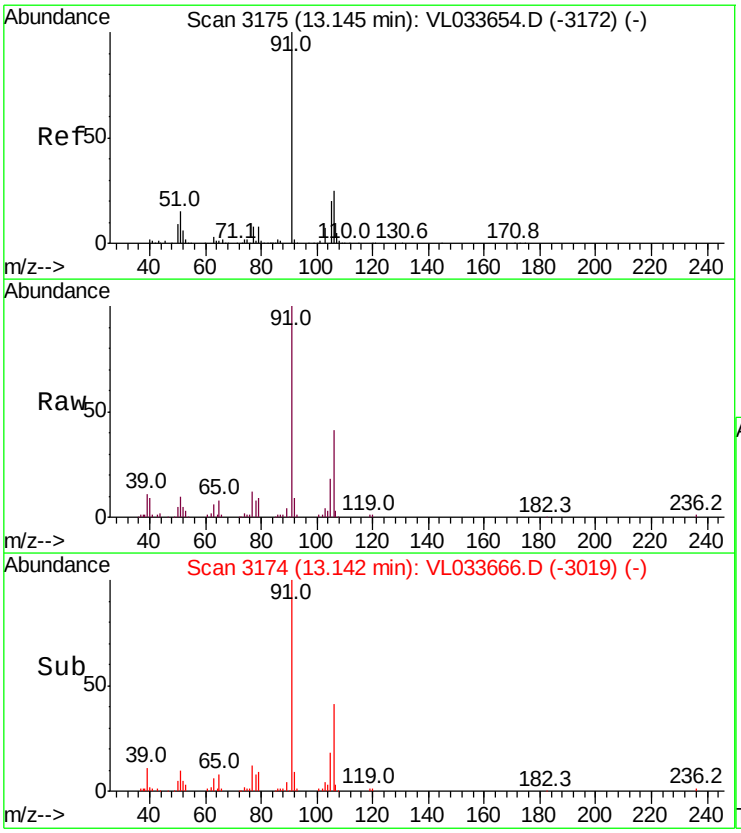
#58
Ethyl Benzene
Concen: 0.303 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 88820

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.7	35.5

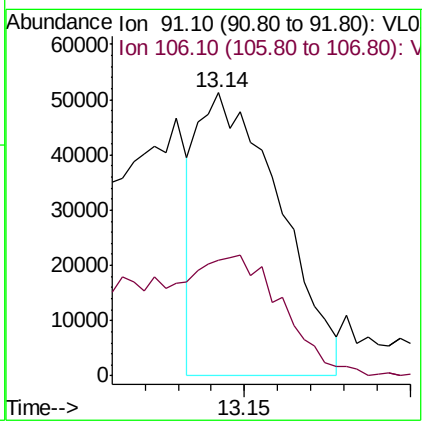


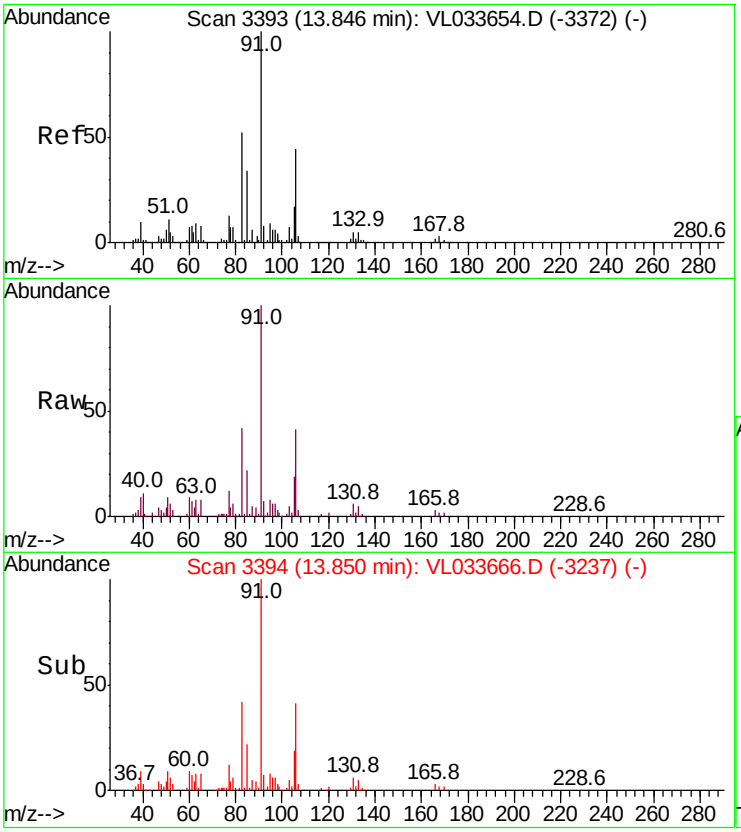


#59
m/p-Xylene
Concen: 0.343 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 91 Resp: 88537

Ion	Ratio	Lower	Upper
91	100		
106	83.5	36.2	54.2#



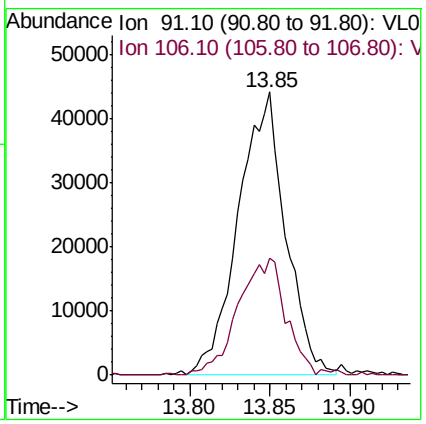


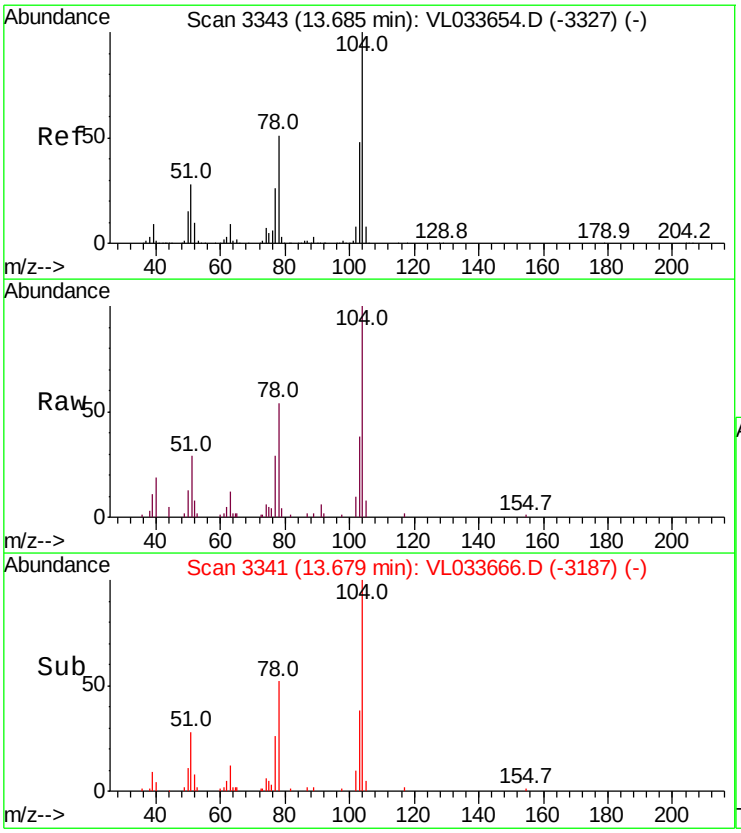
#60
o-Xylene
Concen: 0.342 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 89473

Ion	Ratio	Lower	Upper
91	100		
106	42.3	21.7	65.1

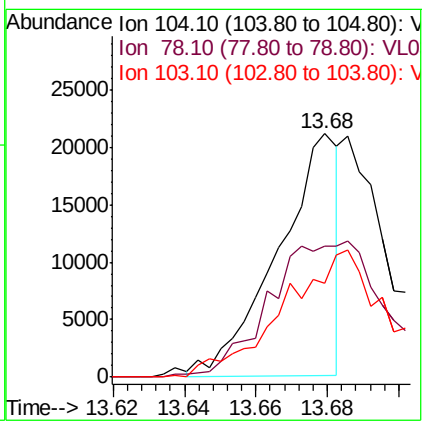


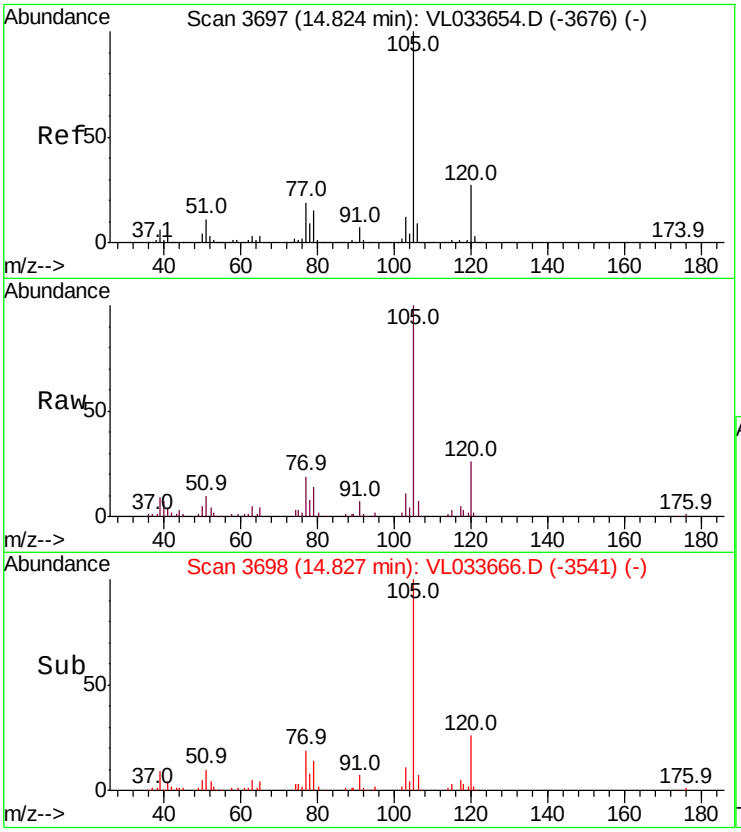


#61
Styrene
Concen: 0.142 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:104 Resp: 24676

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



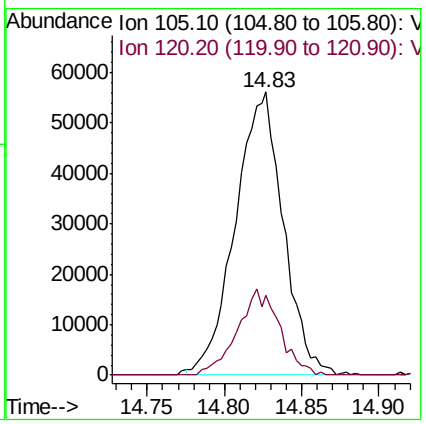


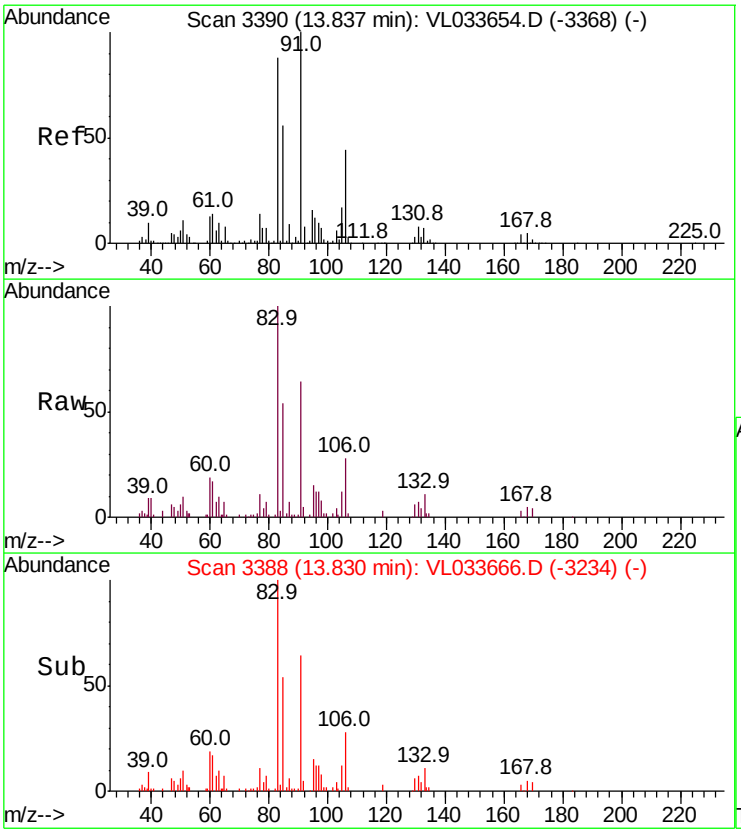
#62
Isopropylbenzene
Concen: 0.339 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 121024

Ion	Ratio	Lower	Upper
105	100		
120	26.7	20.5	30.7

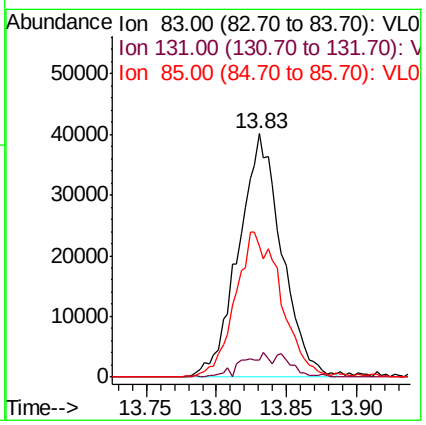


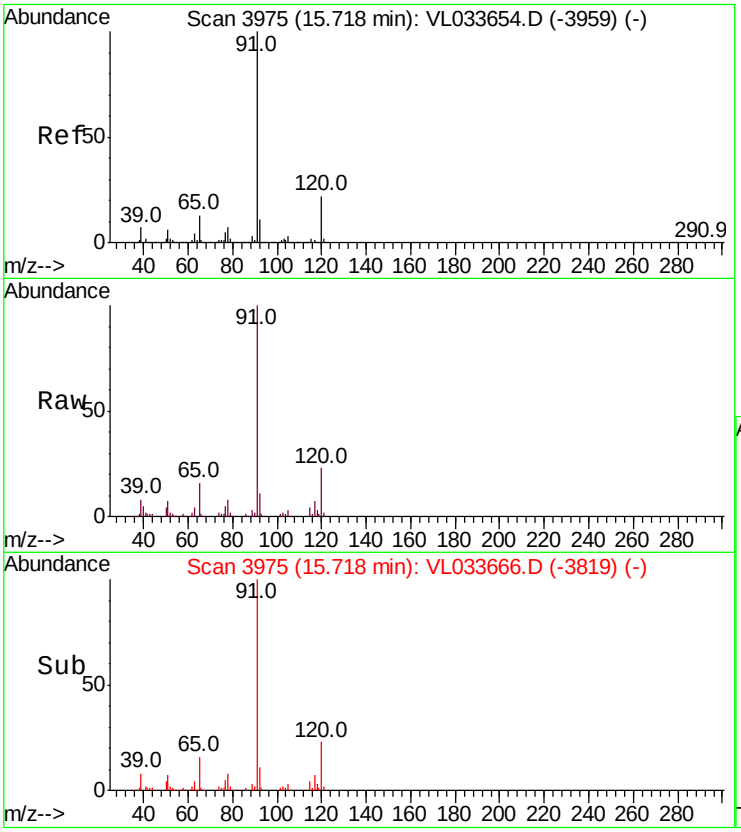


#63
1,1,2,2-Tetrachloroethane
Concen: 0.451 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 83 Resp: 85860

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.3
85	64.1	32.5	97.4



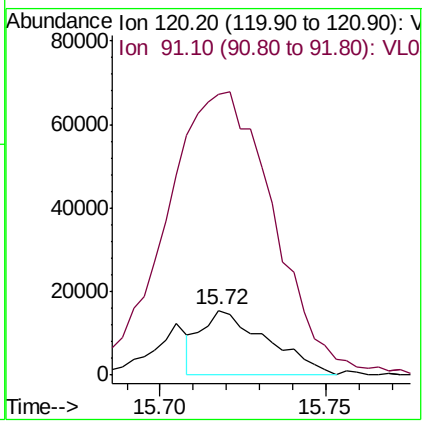


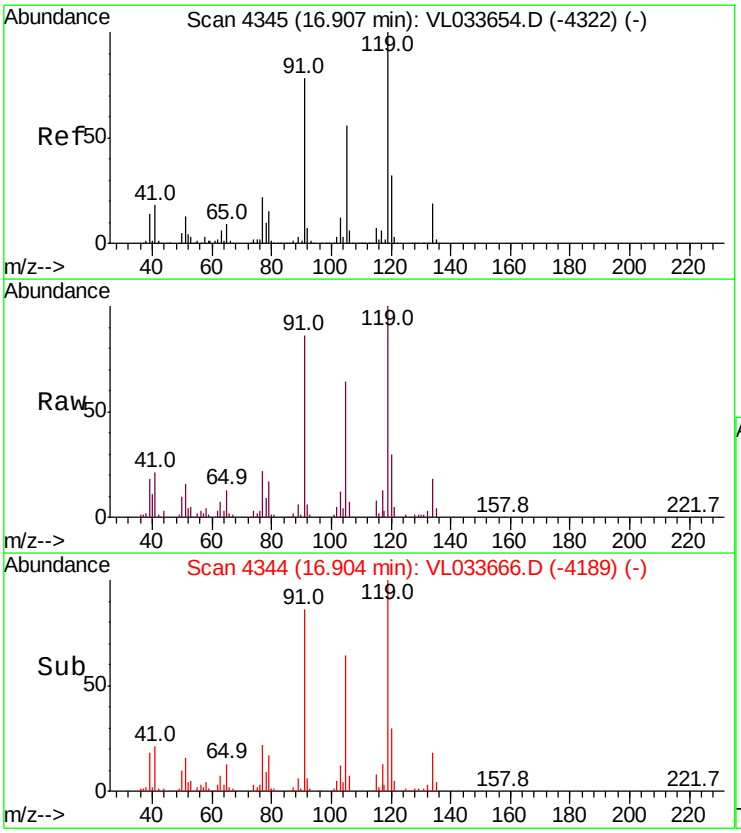
#64
n-propylbenzene
Concen: 0.232 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 21404

Ion	Ratio	Lower	Upper
120	100		
91	714.2	379.0	568.6#

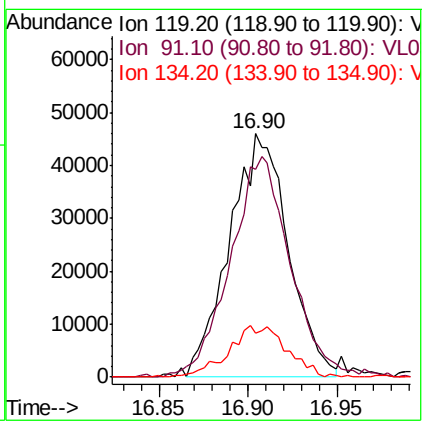


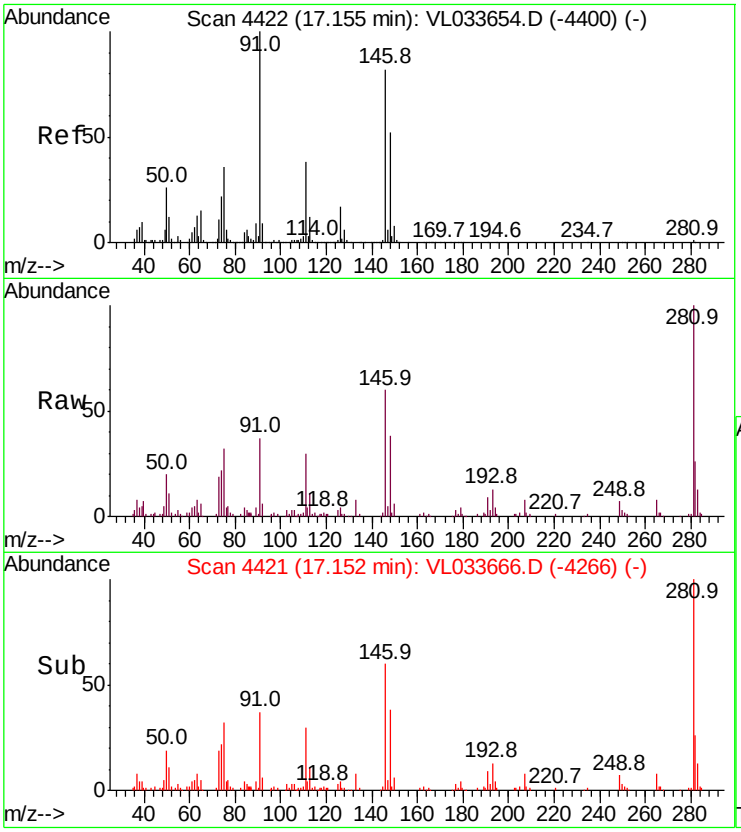


#65
tert-Butylbenzene
Concen: 0.323 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:119 Resp: 105721

Ion	Ratio	Lower	Upper
119	100		
91	93.0	65.9	98.9
134	20.7	15.5	23.3



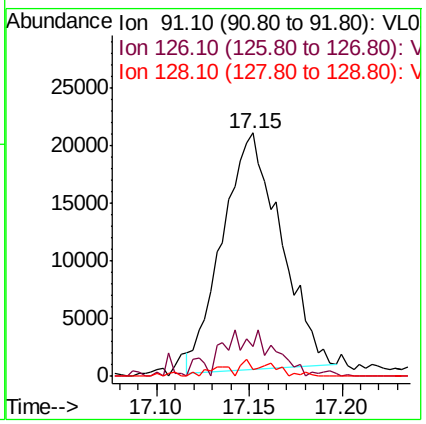


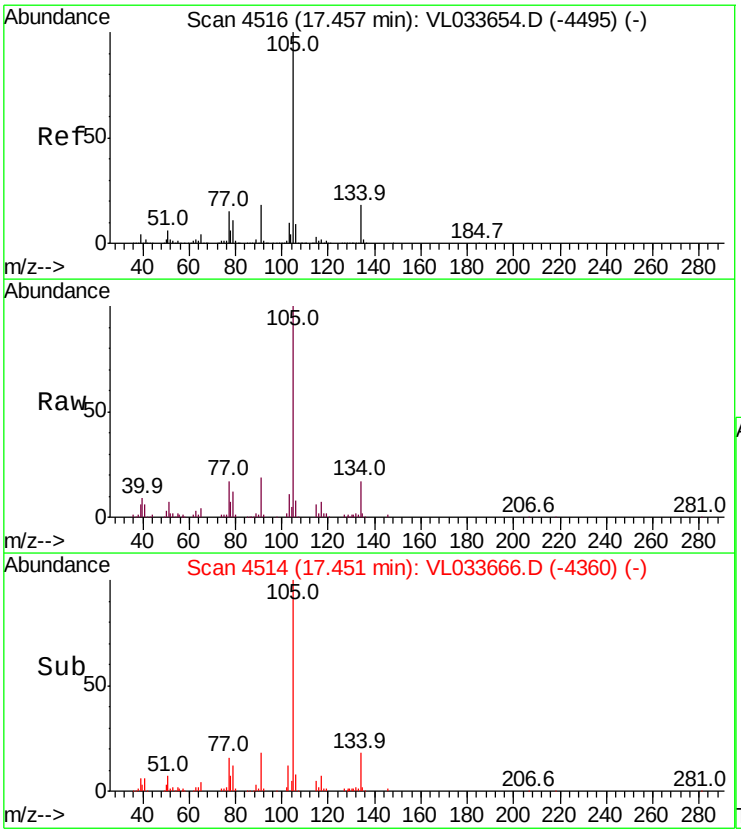
#66
Benzyl Chloride
Concen: 0.300 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 44671

Ion	Ratio	Lower	Upper
91	100		
126	19.4	13.4	20.2
128	5.1	4.4	6.6

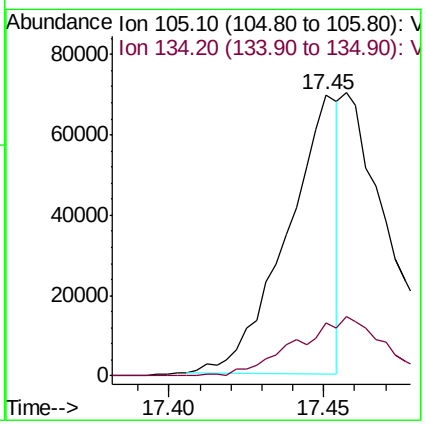


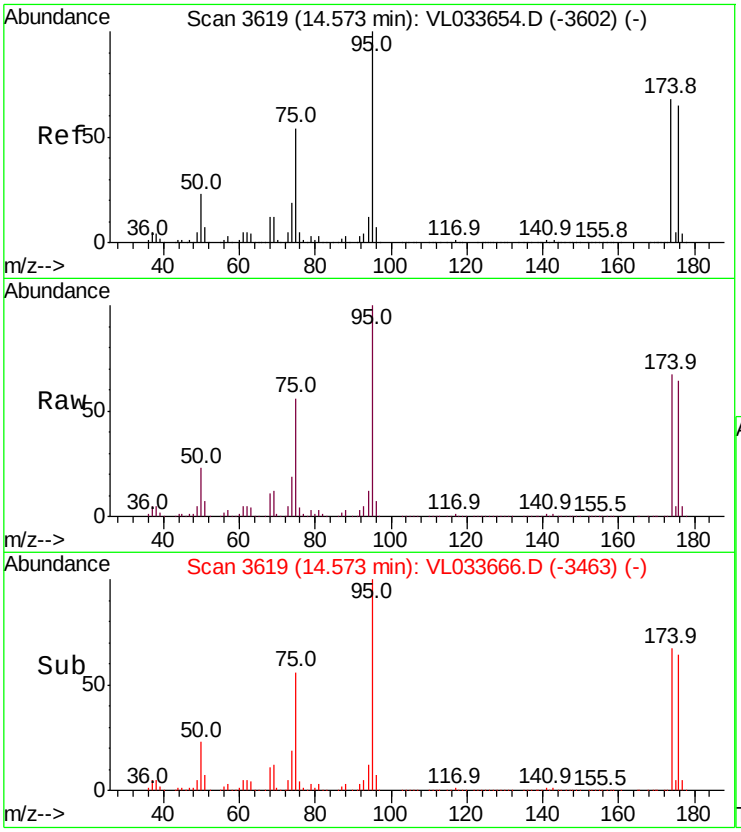


#67
sec-Butylbenzene
Concen: 0.175 ppbv
RT: 17.45 min Scan# 4514
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:105 Resp: 79881

Ion	Ratio	Lower	Upper
105	100		
134	0.0	14.6	22.0#



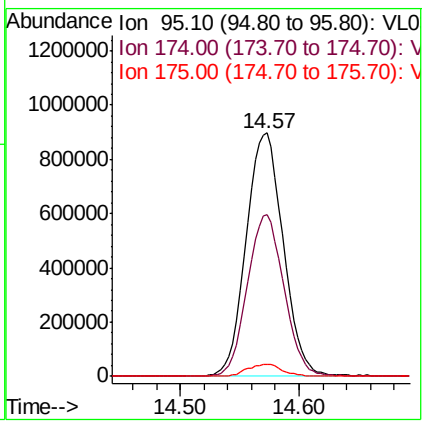


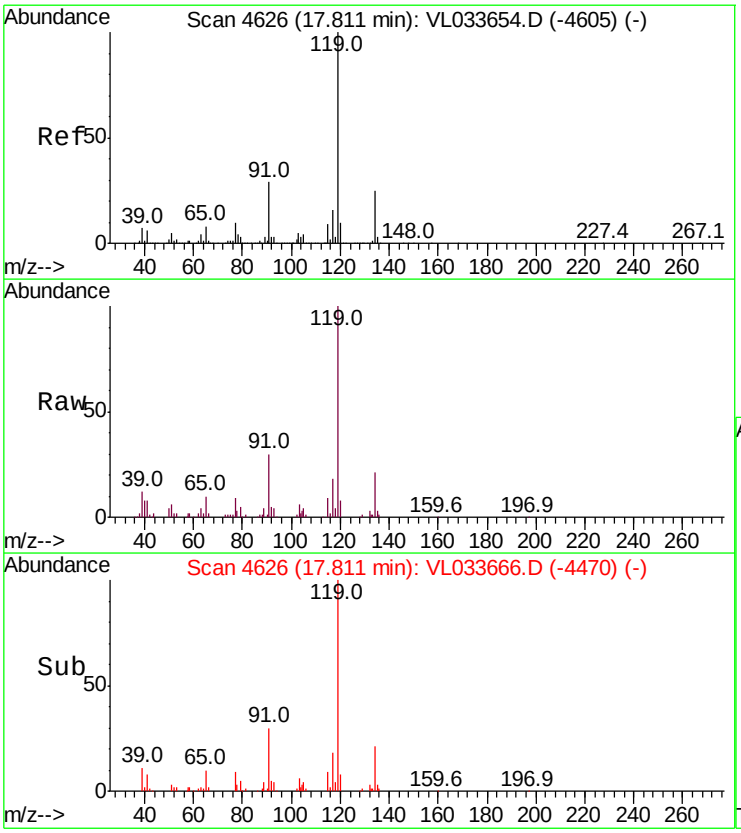
#68
1-Bromo-4-Fluorobenzene
Concen: 10.505 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1936316

Ion	Ratio	Lower	Upper
95	100		
174	66.2	54.0	81.0
175	4.8	3.8	5.8

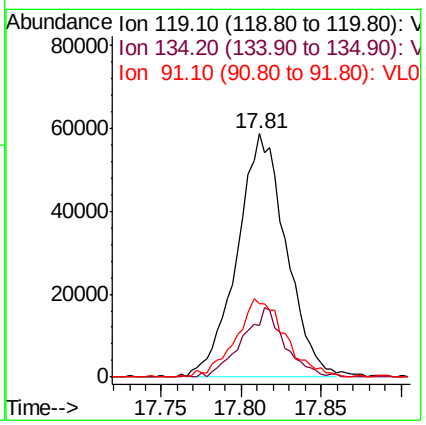


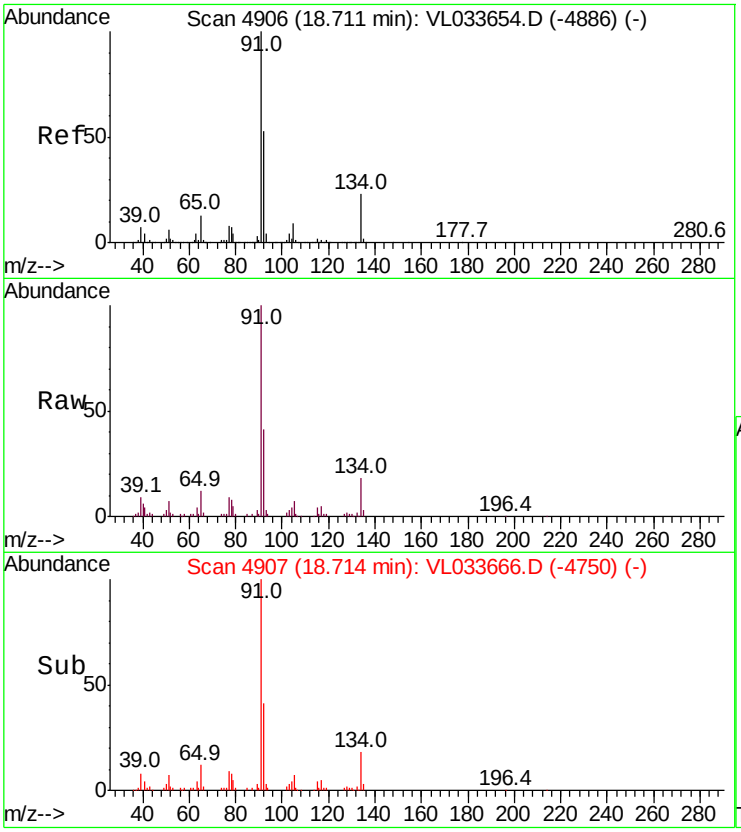


#69
p-Isopropyltoluene
Concen: 0.325 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:119 Resp: 122215

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.2	30.2
91	33.5	23.4	35.2



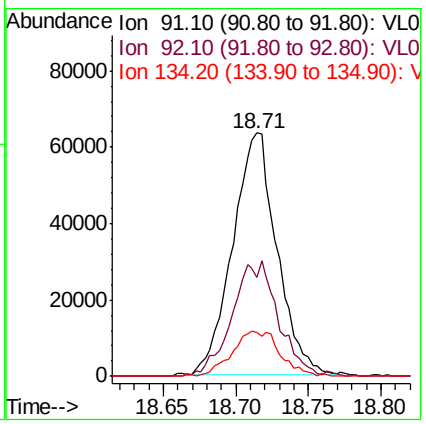


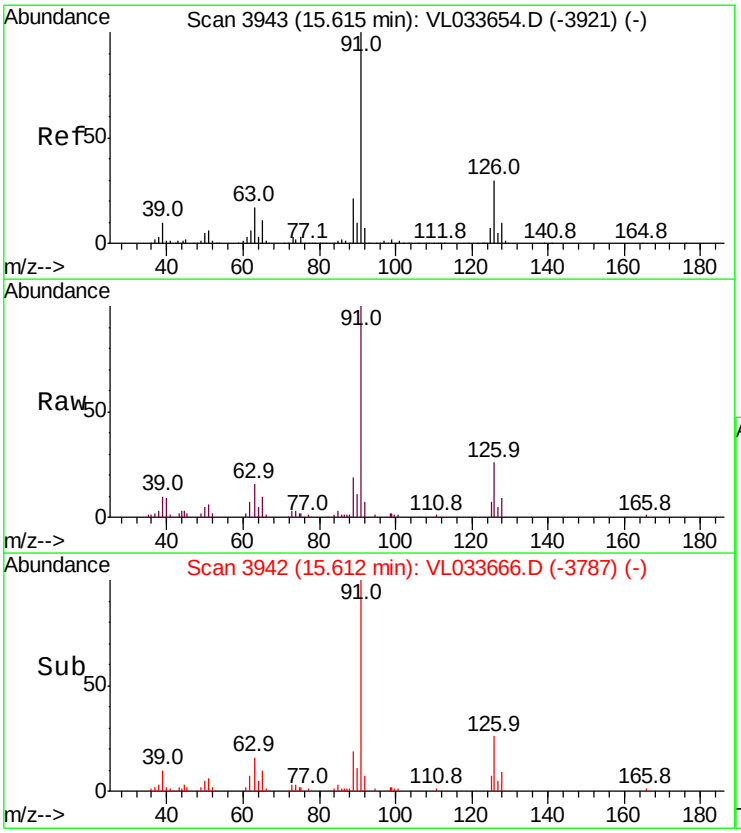
#70
n-Butylbenzene
Concen: 0.338 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. 0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 134772

Ion	Ratio	Lower	Upper
91	100		
92	50.0	42.5	63.7
134	20.5	18.0	27.0

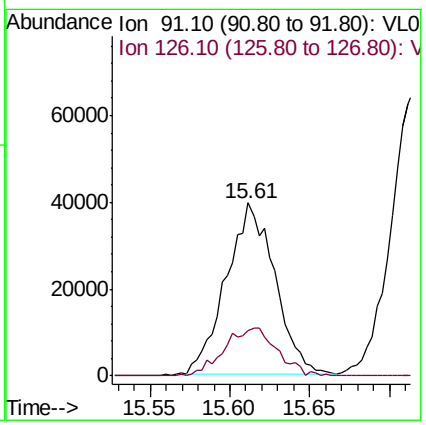


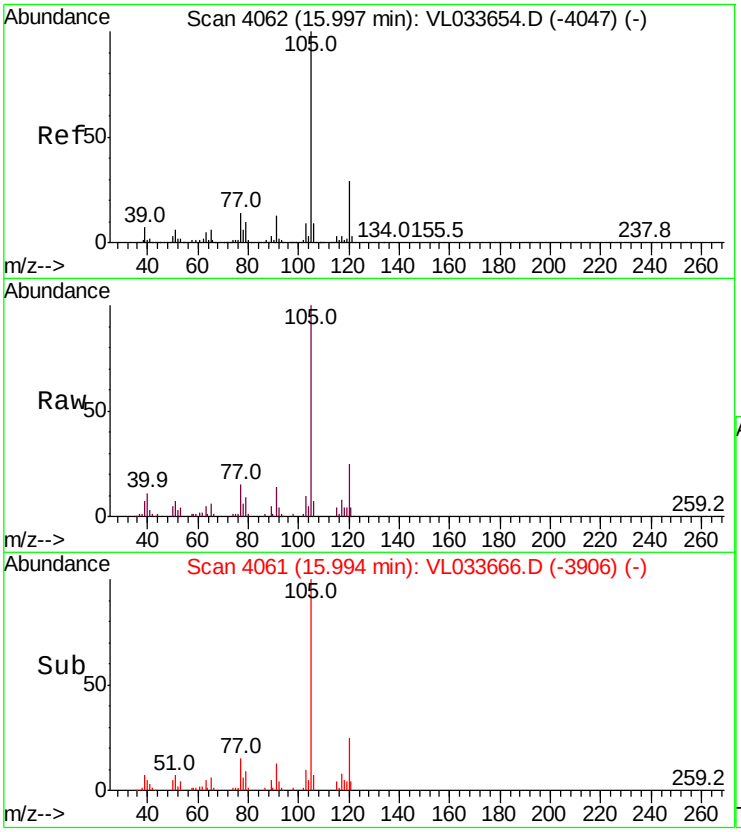


#71
2-Chlorotoluene
Concen: 0.308 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion: 91 Resp: 81233

Ion	Ratio	Lower	Upper
91	100		
126	30.7	12.0	47.8



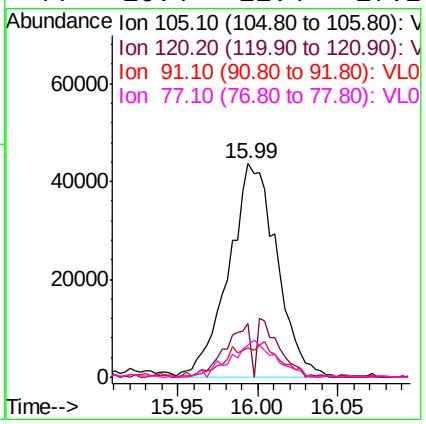


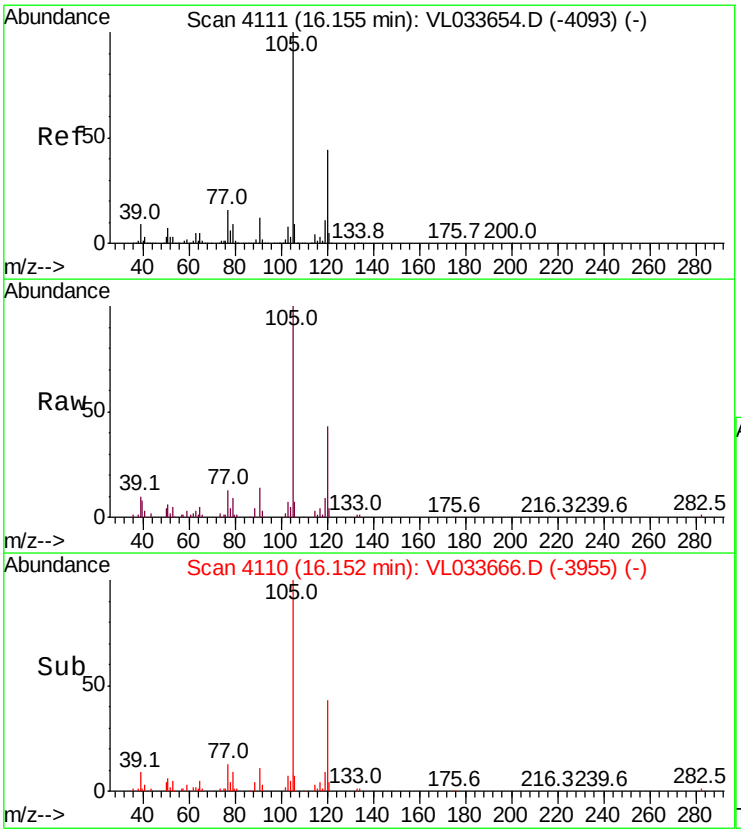
#72
4-Ethyltoluene
Concen: 0.290 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 89215

Ion	Ratio	Lower	Upper
105	100		
120	26.0	23.0	34.6
91	18.5	10.5	15.7#
77	16.4	11.4	17.2

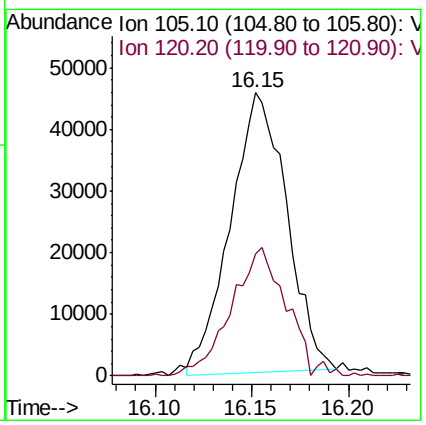


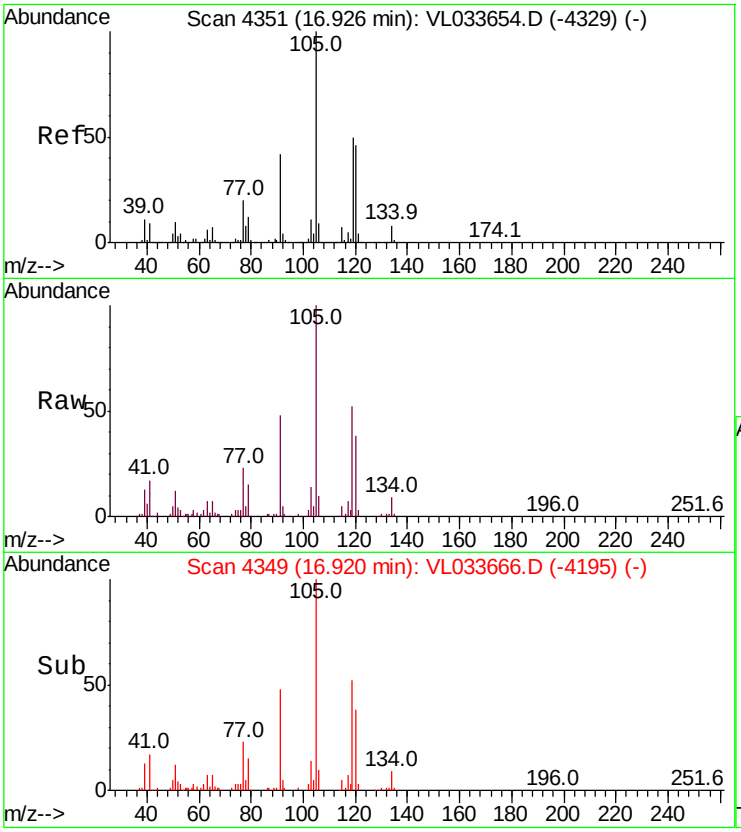


#73
1,3,5-Trimethylbenzene
Concen: 0.309 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:105 Resp: 91674

Ion	Ratio	Lower	Upper
105	100		
120	41.8	35.5	53.3



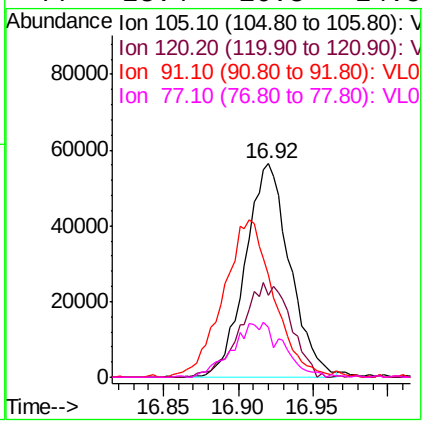


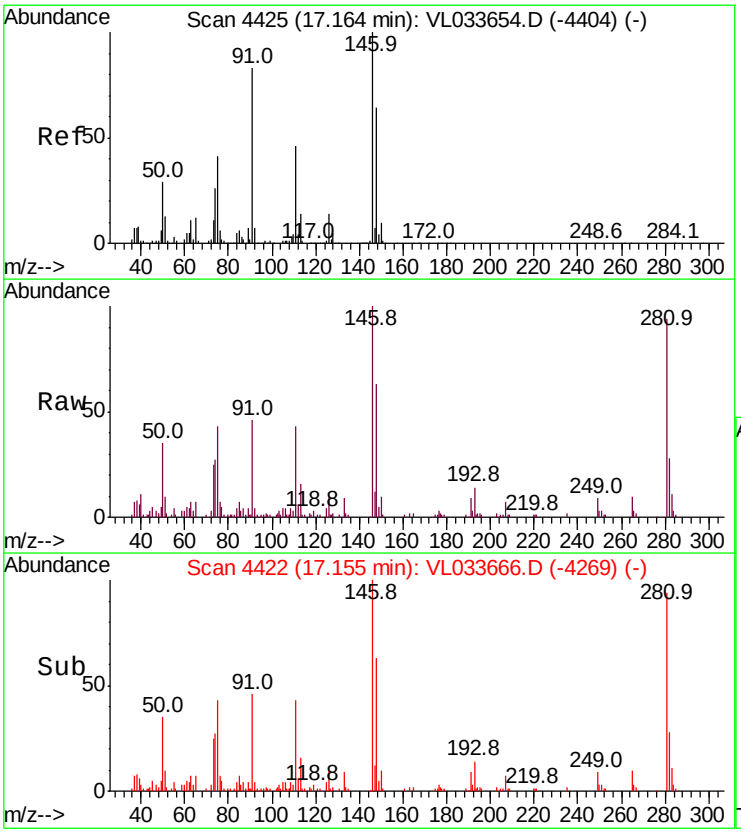
#74
1,2,4-Trimethylbenzene
Concen: 0.354 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 116768

Ion	Ratio	Lower	Upper
105	100		
120	41.2	36.5	54.7
91	45.2	33.7	50.5
77	23.4	16.3	24.5

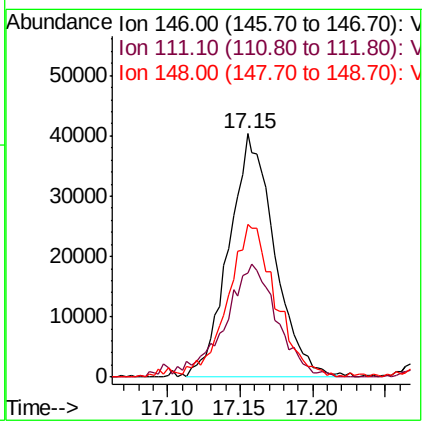


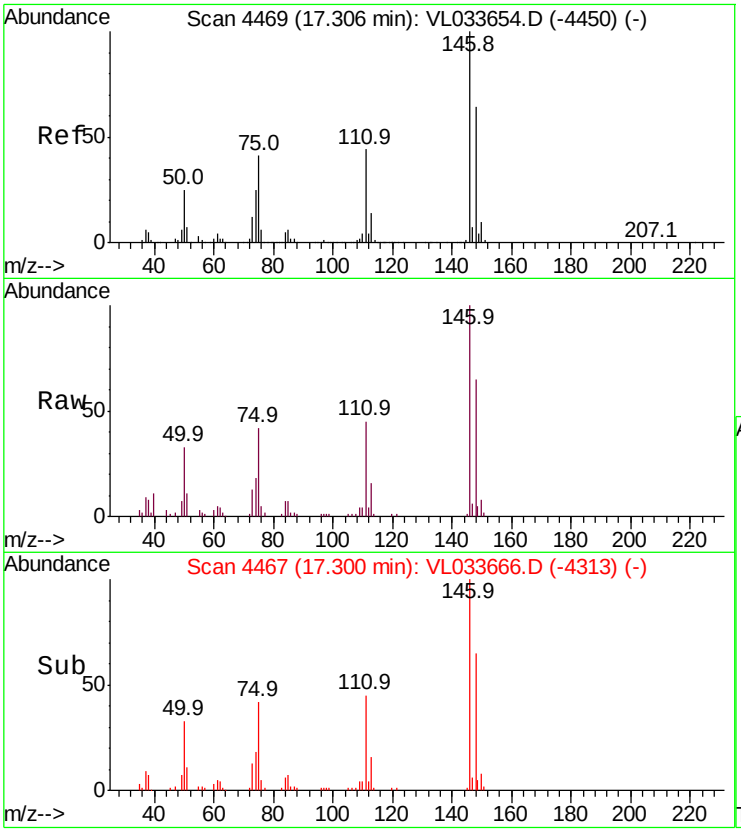


#75
1,3-Dichlorobenzene
Concen: 0.442 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:146 Resp: 88194

Ion	Ratio	Lower	Upper
146	100		
111	54.3	22.6	67.7
148	67.6	31.8	95.4



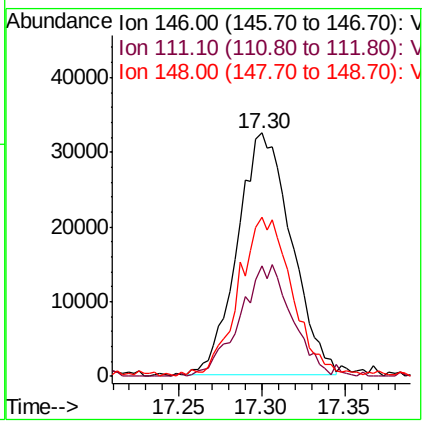


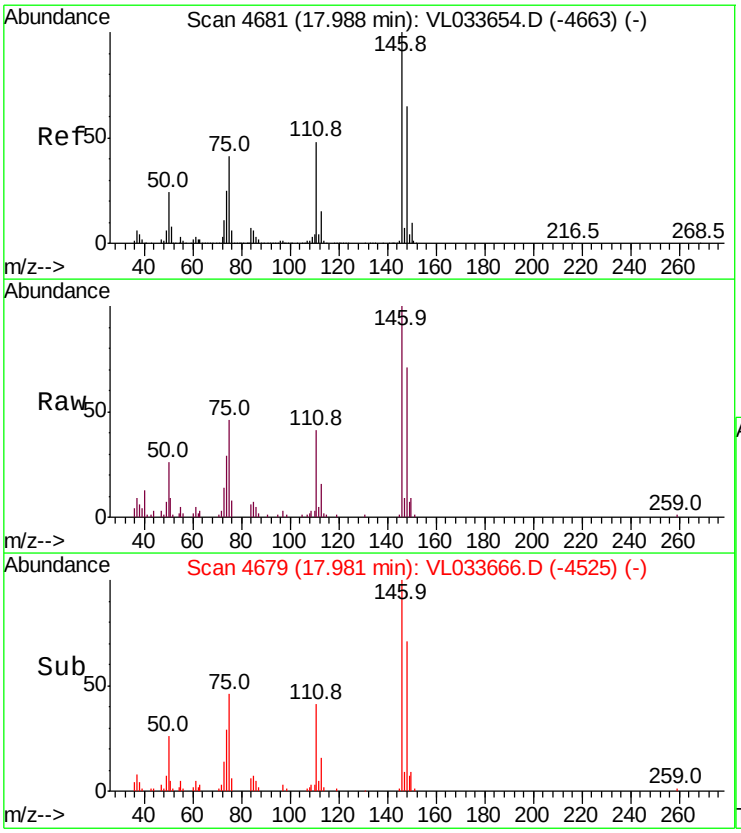
#76
1,4-Dichlorobenzene
Concen: 0.386 ppbv
RT: 17.30 min Scan# 4467
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 73073

Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.0	66.0
148	66.7	32.1	96.5

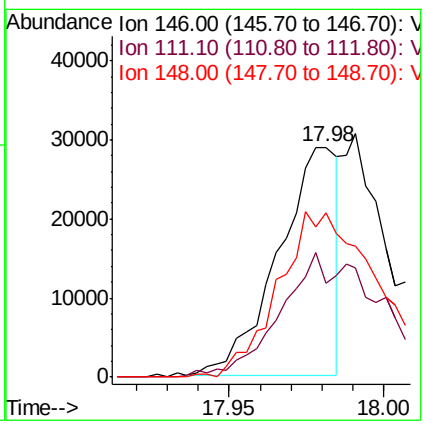


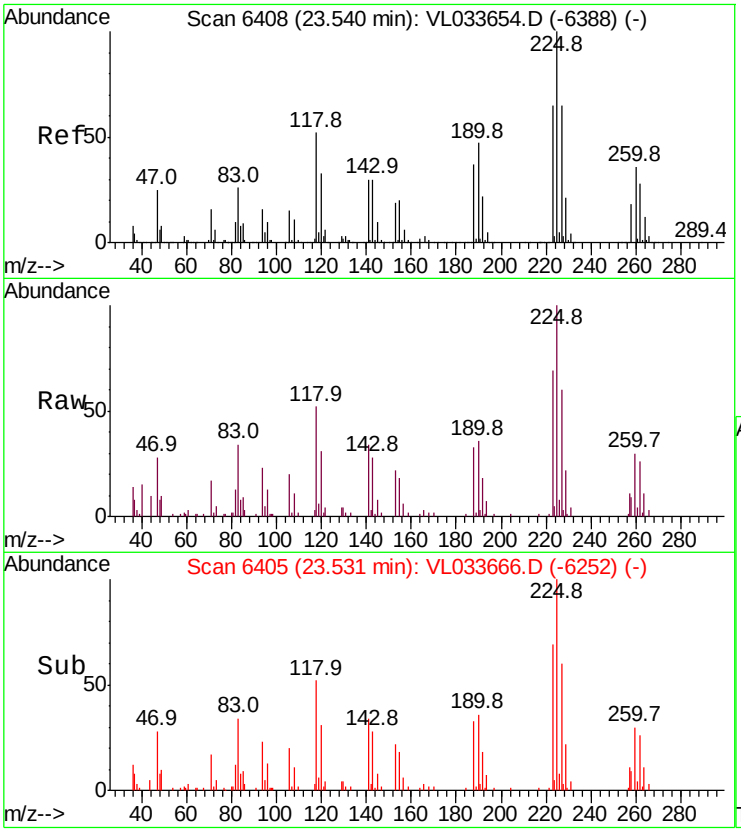


#77
1,2-Dichlorobenzene
Concen: 0.207 ppbv
RT: 17.98 min Scan# 4679
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:146 Resp: 38198

Ion	Ratio	Lower	Upper
146	100		
111	92.8	23.4	70.0#
148	125.1	31.9	95.9#



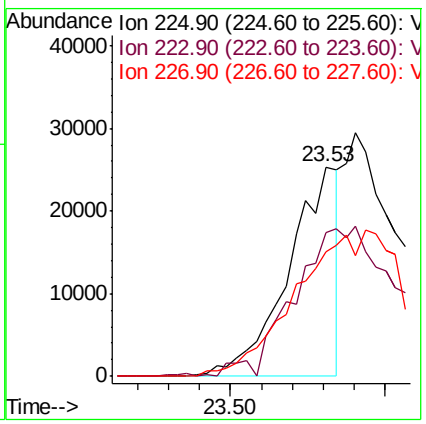


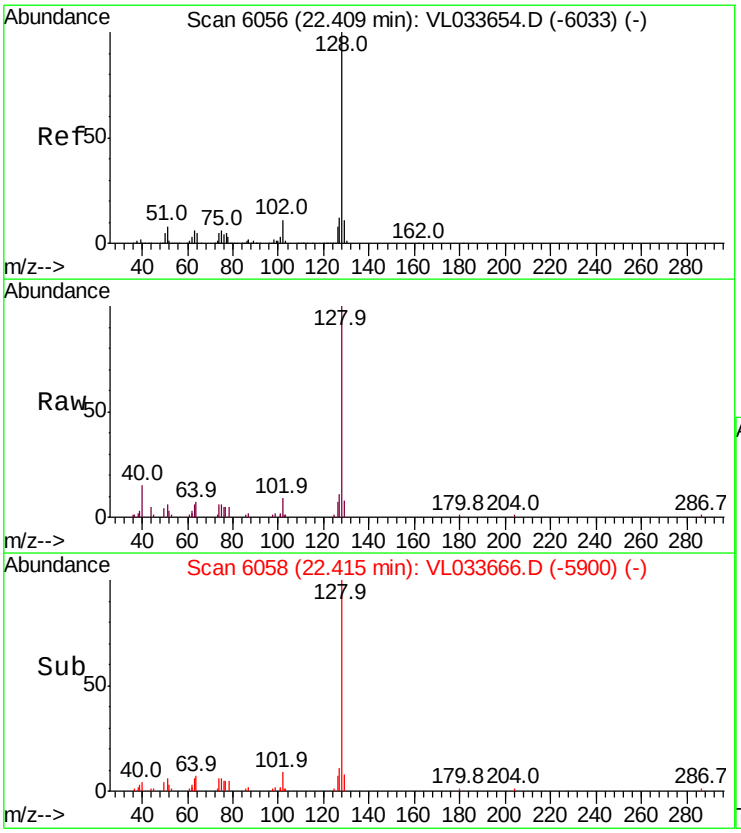
#78
Hexachloro-1,3-Butadiene
Concen: 0.194 ppbv
RT: 23.53 min Scan# 6405
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:225 Resp: 28421

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.7	76.1#
227	0.0	51.4	77.2#

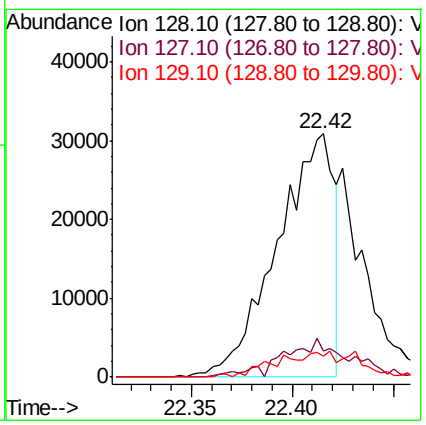


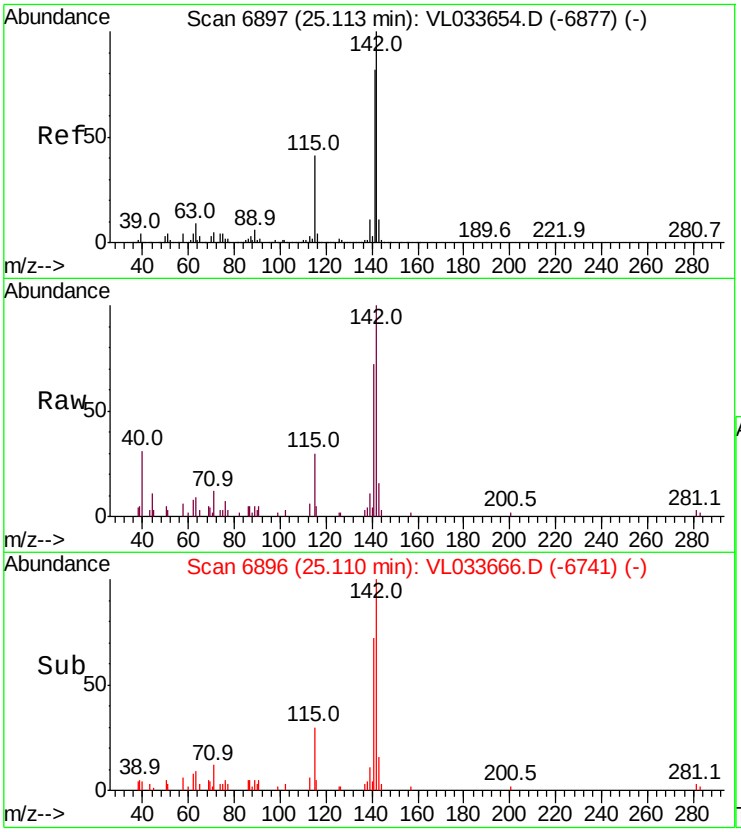


#79
Naphthalene
Concen: 0.200 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. 0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:128 Resp: 60309

Ion	Ratio	Lower	Upper
128	100		
127	9.9	9.8	14.8
129	7.8	8.8	13.2#



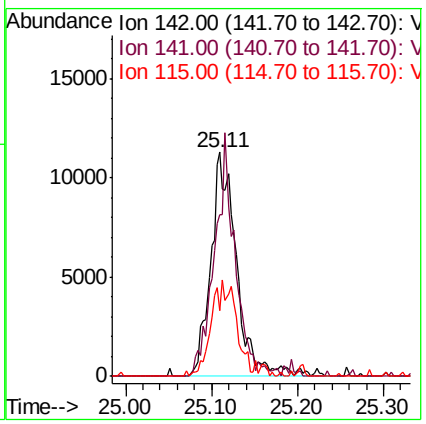


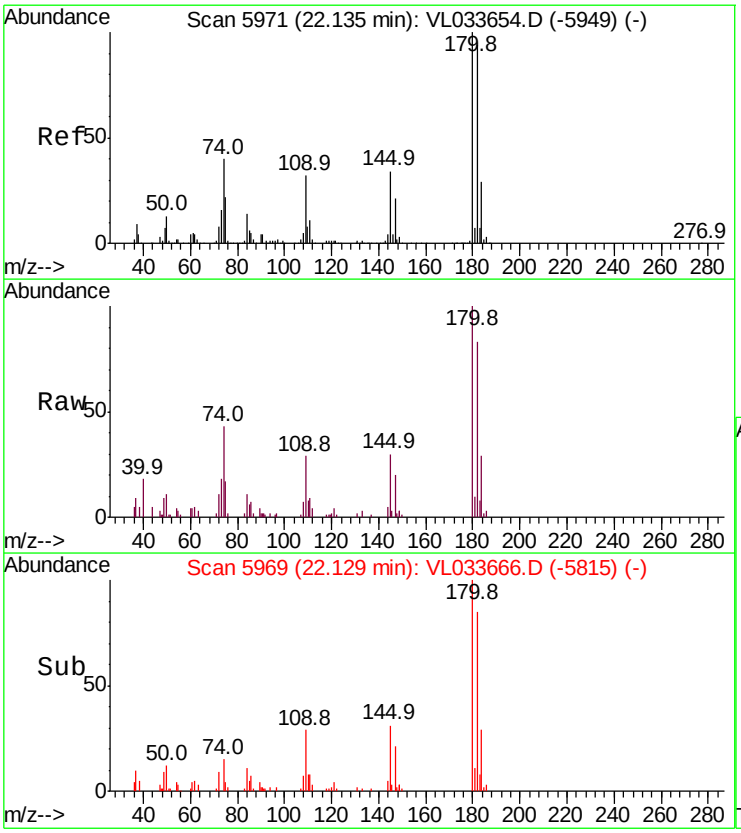
#80
Naphthalene,2-methyl-
Concen: 0.209 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 23790

Ion	Ratio	Lower	Upper
142	100		
141	87.3	67.9	101.9
115	43.2	34.2	51.4





#81
1,2,4-Trichlorobenzene
Concen: 0.331 ppbv
RT: 22.13 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL033666.D
Acq: 6 May 2019 19:48

Tgt Ion:180 Resp: 58003

Ion	Ratio	Lower	Upper
180	100		
182	103.9	77.4	116.0
184	33.5	24.6	36.8