Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033664.D
Acq On : 6 May 2019 18:30
Operator : SY/AP
Sample : K2241-14 0.5PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 07 04:09:54 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	934782	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2393044	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2271468	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1917474	10.30	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	114386	0.522	ppbv	95
3) Chlorodifluoromethane	3.01	51	75212	0.557	ppbv	94
4) Chloromethane	3.17	50	39233	0.559	ppbv	89
5) Vinyl Chloride	3.29	62	36558	0.536	ppbv	98
6) Bromomethane	3.52	94	22576	0.521	ppbv	100
7) Chloroethane	3.60	64	12688	0.512	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	98289	0.545	ppbv	100
9) Propene	3.03	41	17380	0.338	ppbv #	15
10) Heptane	8.25	43	58200	0.458	ppbv	97
11) Trichlorofluoromethane	4.00	101	112197	0.548	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.55	101	74388	0.540	ppbv	96
13) Ethanol	3.66	45	8622	0.558	ppbv	81
14) Bromoethene	3.79	108	27415	0.505	ppbv #	96
15) Acetone	3.91	43	77528	0.557	ppbv	97
16) 1,3-Butadiene	3.36	39	30628	0.514	ppbv	93
17) tert-Butyl alcohol	4.37	59	61698	0.584	ppbv	98
18) 1,1-Dichloroethene	4.35	96	31477	0.530	ppbv	83
19) Isopropyl Alcohol	4.04	45	51807	0.606	ppbv #	94
20) Methylene Chloride	4.41	84	30690	0.581	ppbv	84
21) Allyl Chloride	4.47	41	43915	0.522	ppbv	96
22) trans-1,2-Dichloroethene	4.96	96	32251	0.541	ppbv	96
23) Vinyl Acetate	5.15	43	81427	0.451	ppbv #	96
24) 1,1-Dichloroethane	5.08	63	73915	0.541	ppbv	97
25) Ethyl Acetate	5.77	43	114102	0.504	ppbv	99
26) Hexane	5.78	57	47319	0.487	ppbv	89
27) Carbon Disulfide	4.62	76	61128	0.460	ppbv #	89
28) Methyl tert-Butyl Ether	5.12	73	77717	0.474	ppbv	97
29) Chloroform	5.84	83	91703	0.524	ppbv	90
30) Cyclohexane	7.25	84	25063	0.307	ppbv #	68
31) cis-1,2-Dichloroethene	5.63	61	46515	0.481	ppbv #	86
32) 1,1,1-Trichloroethane	6.62	97	90572	0.502	ppbv	97
34) 2-Butanone	5.34	43	72187	0.471	ppbv	97
35) Carbon Tetrachloride	7.13	117	96330	0.490	ppbv	96
36) Benzene	7.00	78	98882	0.461	ppbv	99
37) 1,2-Dichloroethane	6.41	62	71241	0.476	ppbv	98
38) Trichloroethene	7.96	130	38805	0.493	ppbv	87
39) 1,2-Dichloropropane	7.73	63	38301	0.479	ppbv	91
41) Tetrahydrofuran	6.16	42	34788	0.439	ppbv	99
42) Bromodichloromethane	7.91	83	91746	0.475	ppbv	88
43) Methyl Methacrylate	8.14	69	33475	0.415	ppbv	95
44) 2,2,4-Trimethylpentane	7.99	57	170629	0.465	ppbv	95

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033664.D
Acq On : 6 May 2019 18:30
Operator : SY/AP
Sample : K2241-14 0.5PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 07 04:09:54 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	20144	0.203	ppbv		95
46) cis-1,3-Dichloropropene	8.83	75	26795	0.217	ppbv		93
47) 1,1,2-Trichloroethane	9.61	97	44102	0.480	ppbv		96
48) Dibromochloromethane	10.45	129	76575	0.492	ppbv		100
49) Bromoform	13.19	173	31244	0.231	ppbv	#	33
50) 4-Methyl-2-Pentanone	8.89	43	102500	0.442	ppbv		93
51) 2-Hexanone	10.28	43	67521	0.376	ppbv	#	95
52) Tetrachloroethene	11.37	164	22156	0.291	ppbv		92
53) Toluene	9.94	91	87821	0.379	ppbv		97
54) 1,2-Dibromoethane	10.75	107	63324	0.458	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.27	131	37234	0.355	ppbv	#	1
57) Chlorobenzene	12.30	112	59410	0.319	ppbv	#	96
58) Ethyl Benzene	12.86	91	124223	0.419	ppbv		98
59) m/p-Xylene	13.15	91	139777	0.536	ppbv	#	54
60) o-Xylene	13.84	91	60573	0.229	ppbv	#	32
61) Styrene	13.69	104	67283	0.383	ppbv		98
62) Isopropylbenzene	14.82	105	166546	0.462	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	104558	0.544	ppbv		98
64) n-propylbenzene	15.71	120	20878	0.224	ppbv	#	1
65) tert-Butylbenzene	16.90	119	145301	0.439	ppbv		94
66) Benzyl Chloride	17.16	91	30368	0.202	ppbv	#	68
67) sec-Butylbenzene	17.45	105	211789	0.459	ppbv		100
69) p-Isopropyltoluene	17.81	119	91570	0.241	ppbv	#	49
70) n-Butylbenzene	18.71	91	176572	0.438	ppbv		98
71) 2-Chlorotoluene	15.61	91	67664	0.254	ppbv	#	45
72) 4-Ethyltoluene	16.00	105	125694	0.405	ppbv	#	95
73) 1,3,5-Trimethylbenzene	16.15	105	127657	0.425	ppbv		93
74) 1,2,4-Trimethylbenzene	16.92	105	155966	0.468	ppbv		91
75) 1,3-Dichlorobenzene	17.15	146	107599	0.534	ppbv		96
76) 1,4-Dichlorobenzene	17.30	146	89866	0.470	ppbv		95
77) 1,2-Dichlorobenzene	17.98	146	48682	0.261	ppbv	#	26
78) Hexachloro-1,3-Butadiene	23.54	225	52955	0.358	ppbv	#	51
79) Naphthalene	22.42	128	134808	0.443	ppbv	#	95
80) Naphthalene,2-methyl-	25.12	142	50181	0.436	ppbv		99
81) 1,2,4-Trichlorobenzene	22.13	180	15899	0.090	ppbv	#	12

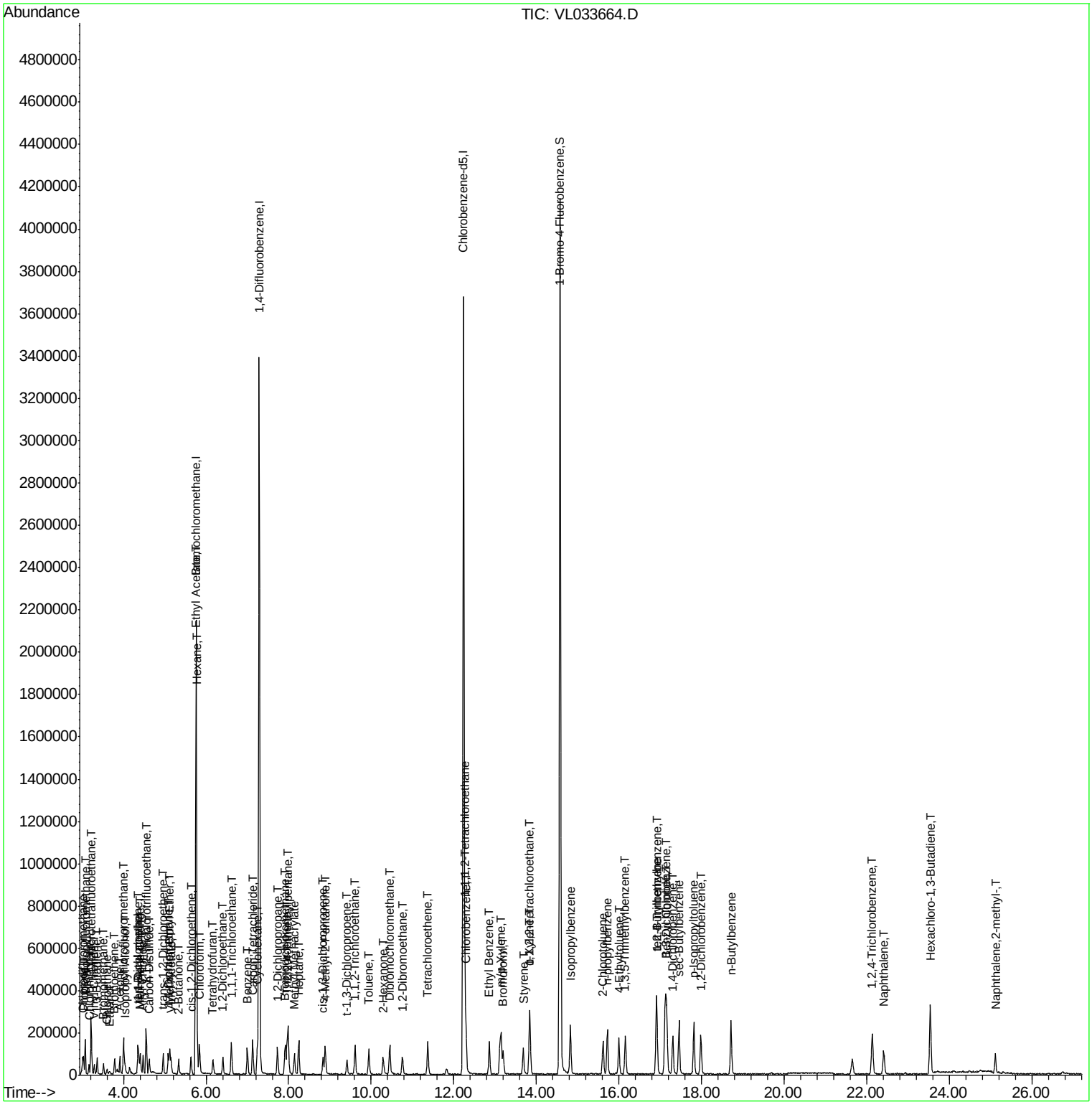
(#) = qualifier out of range (m) = manual integration (+) = signals summed

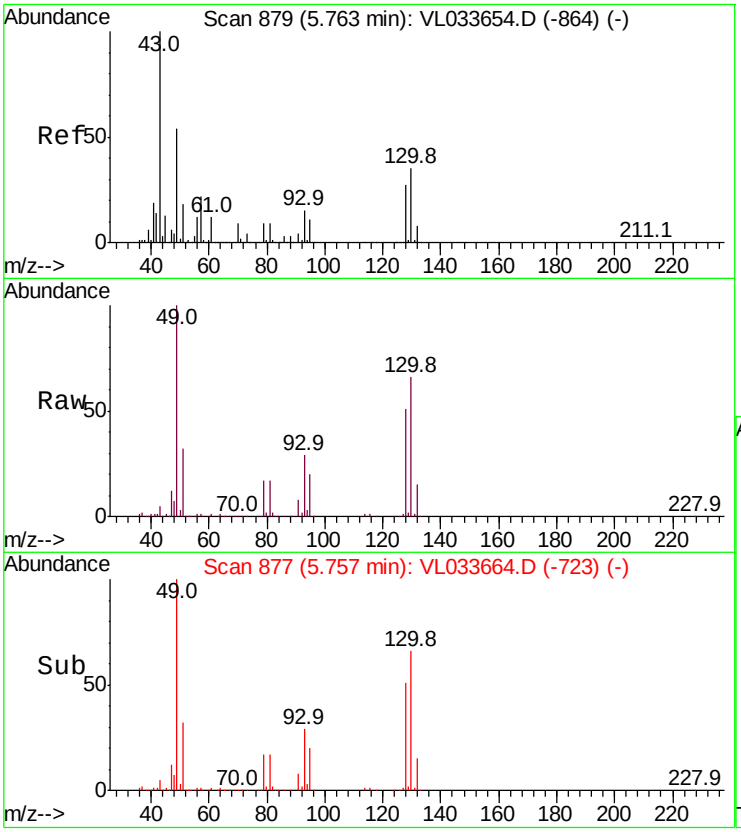
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033664.D
Acq On : 6 May 2019 18:30
Operator : SY/AP
Sample : K2241-14 0.5PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 07 04:09:54 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



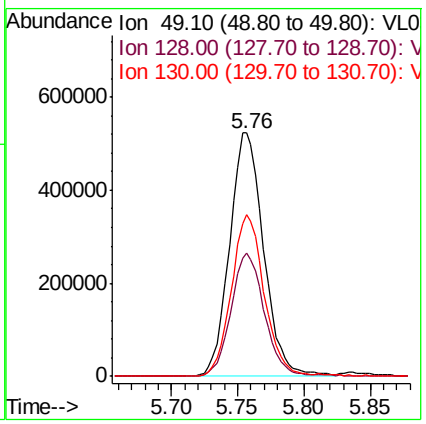


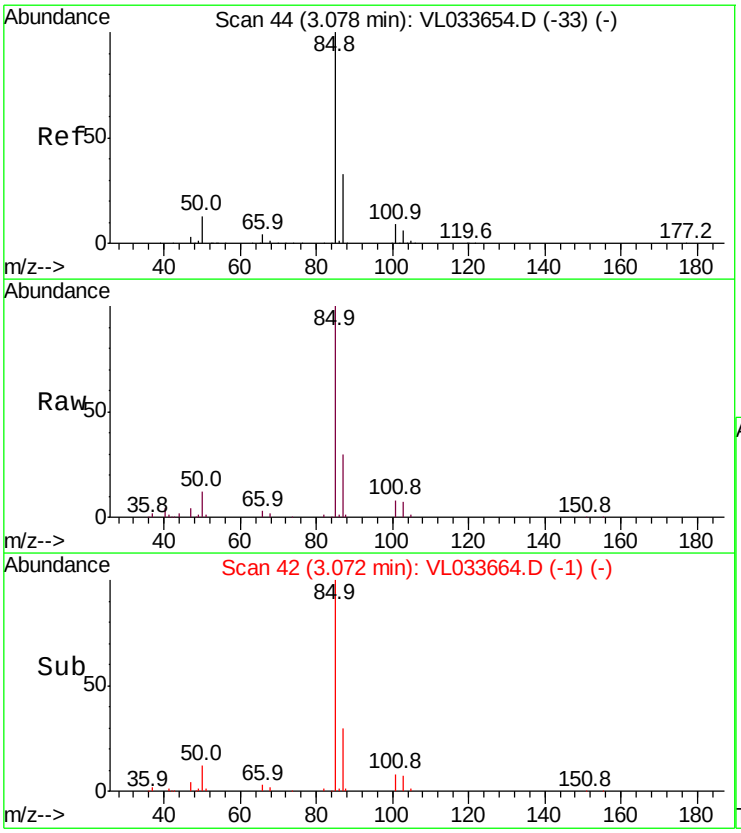
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 934782

Ion	Ratio	Lower	Upper
49	100		
128	50.1	24.8	74.3
130	64.7	32.1	96.5

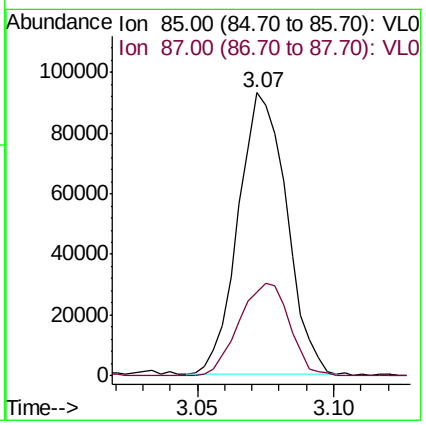


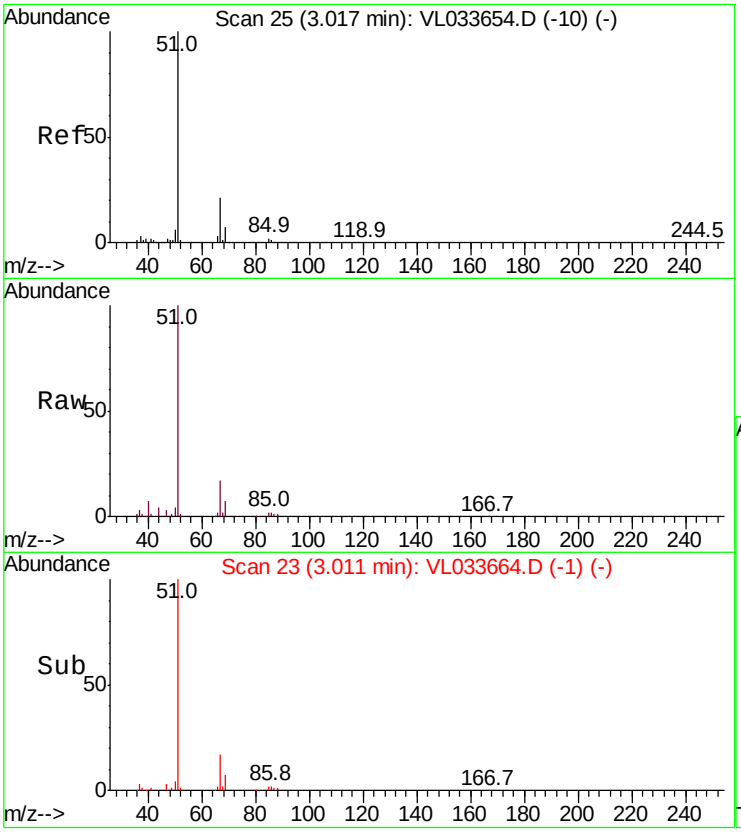


#2
Dichlorodifluoromethane
Concen: 0.522 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 85 Resp: 114386

Ion	Ratio	Lower	Upper
85	100		
87	29.7	26.0	39.0

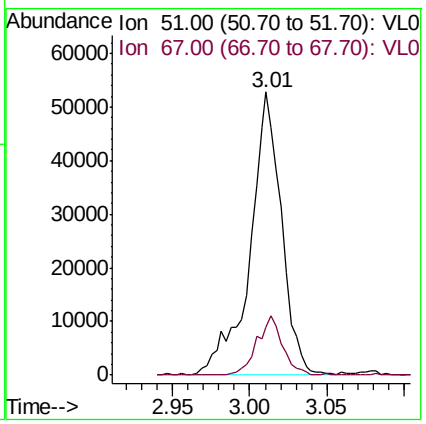




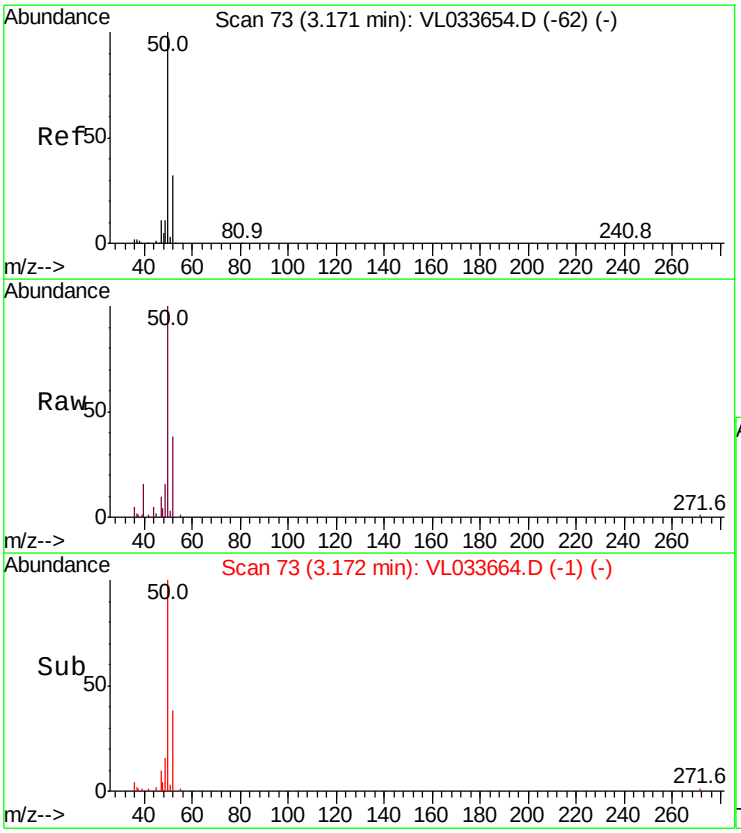
#3
Chlorodifluoromethane
Concen: 0.557 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 51 Resp: 75212

Ion	Ratio	Lower	Upper
51	100		
67	16.9	15.7	23.5



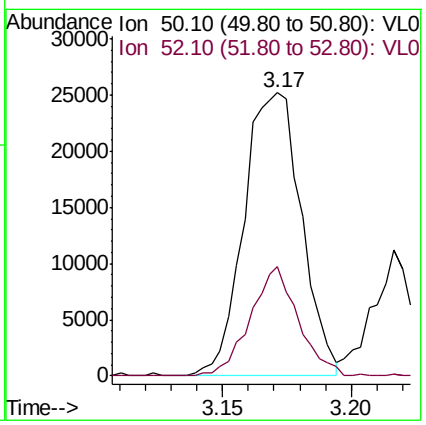
Instrument :
MSVOA_L
ClientSampleId :

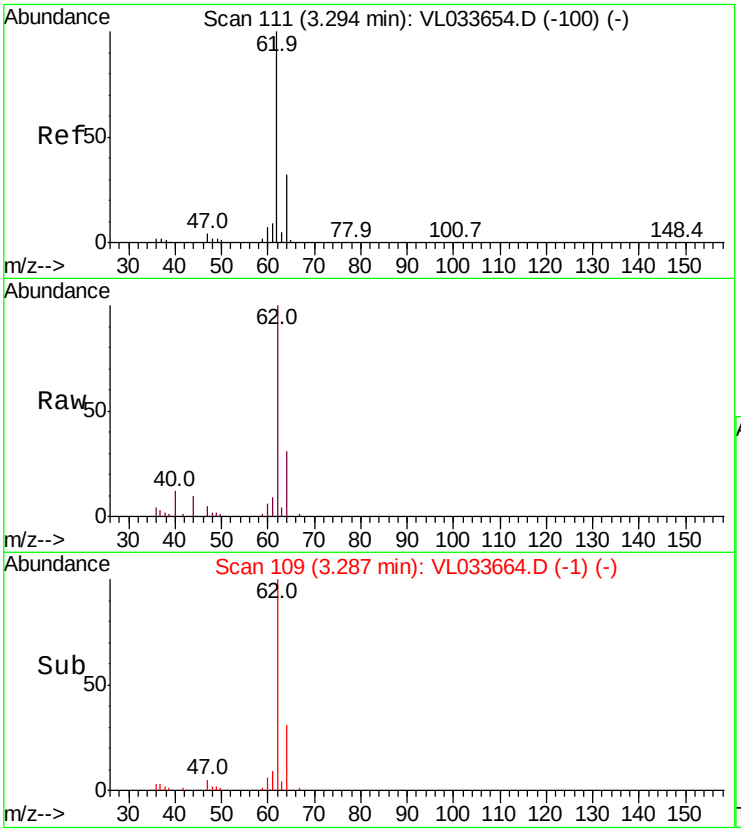


#4
Chloromethane
Concen: 0.559 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 50 Resp: 39233

Ion	Ratio	Lower	Upper
50	100		
52	38.4	25.8	38.8



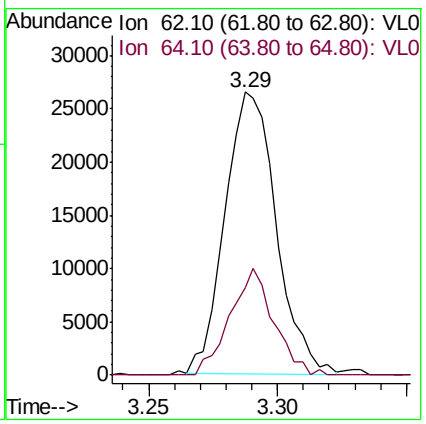


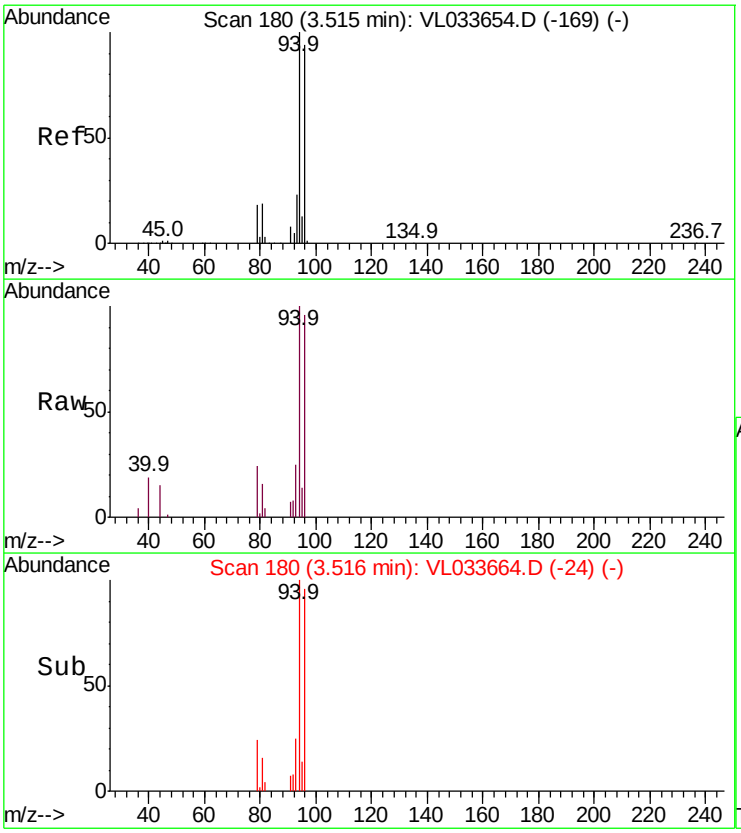
#5
Vinyl Chloride
Concen: 0.536 ppbv
RT: 3.29 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 36558

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.6	38.4

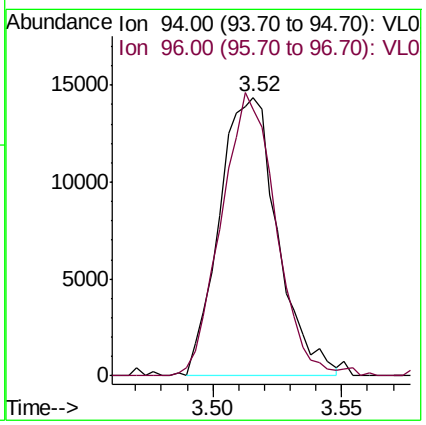


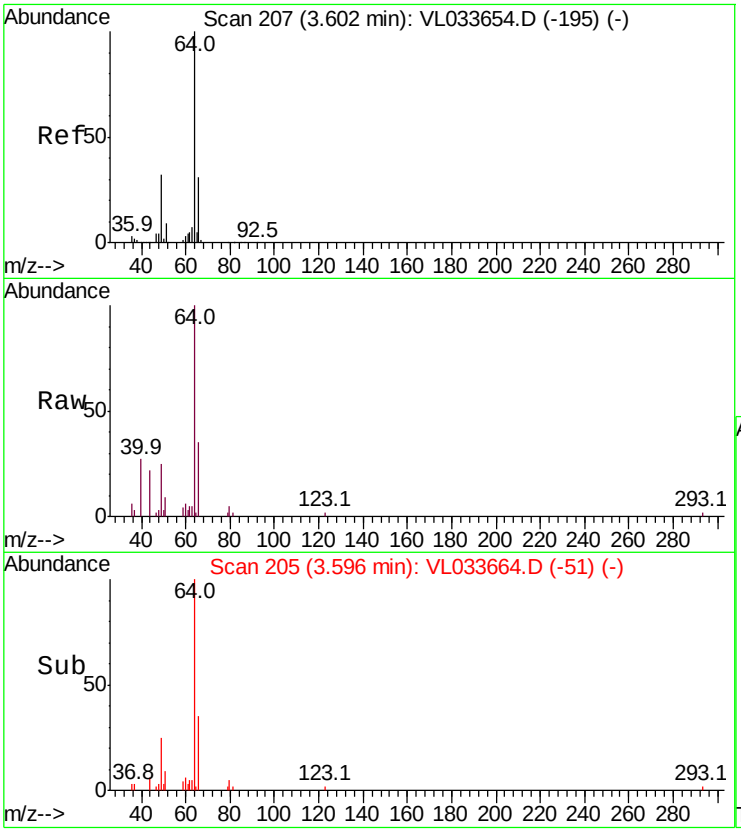


#6
Bromomethane
Concen: 0.521 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 94 Resp: 22576

Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.2	112.8



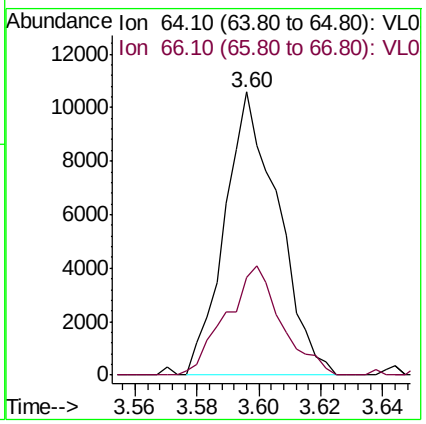


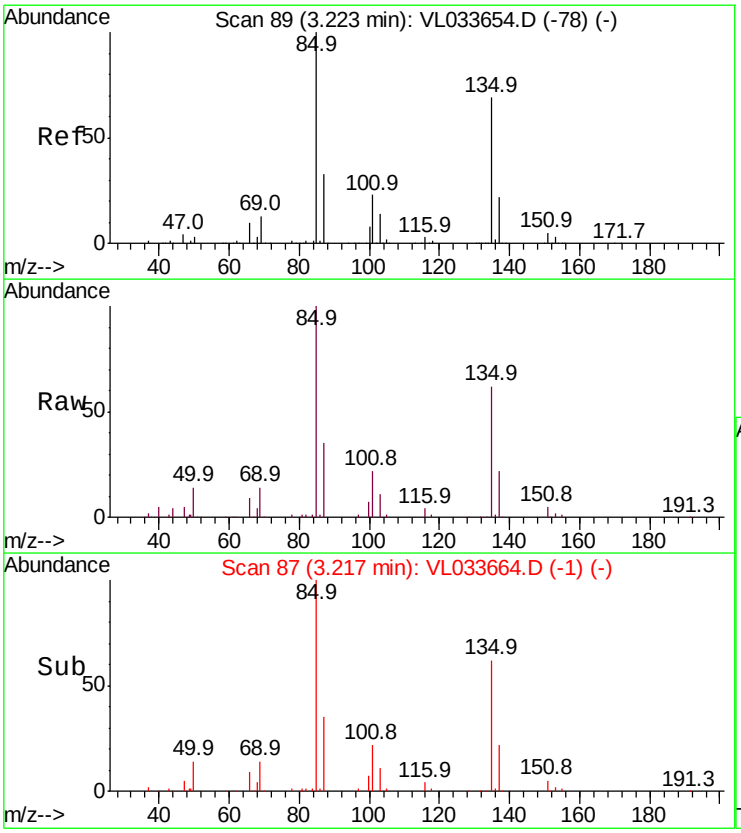
#7
Chloroethane
Concen: 0.512 ppbv
RT: 3.60 min Scan# 205
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 12688

Ion	Ratio	Lower	Upper
64	100		
66	34.0	25.1	37.7

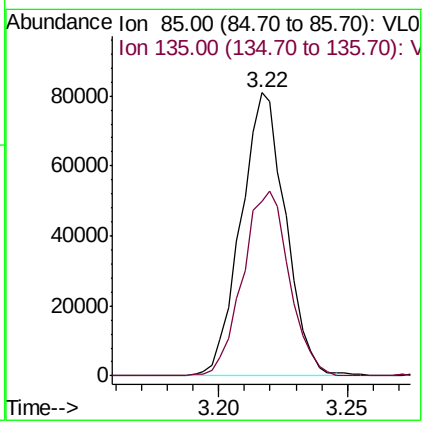


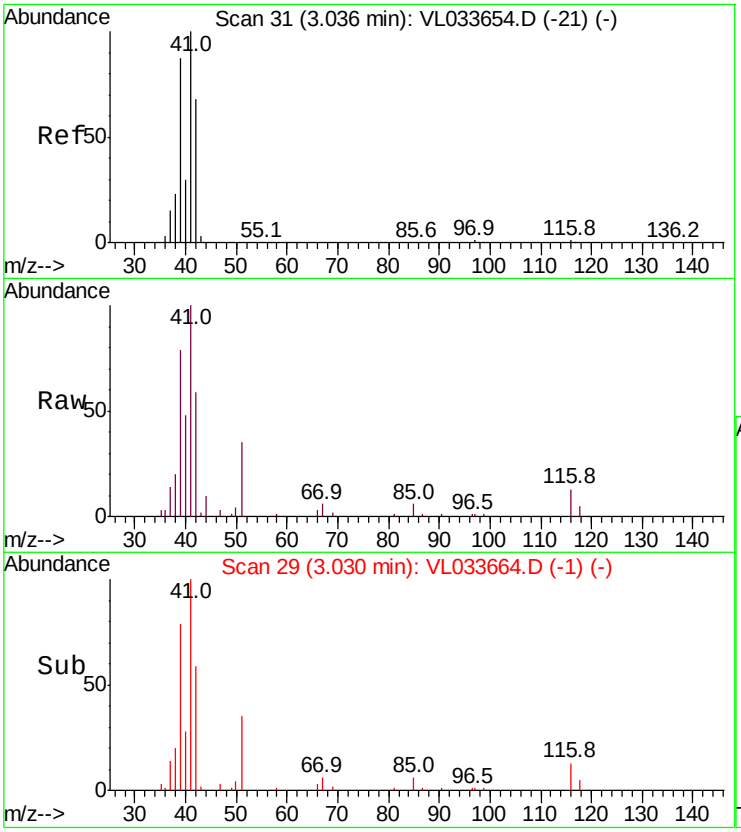


#8
Dichlorotetrafluoroethane
Concen: 0.545 ppbv
RT: 3.22 min Scan# 87
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 85 Resp: 98289

Ion	Ratio	Lower	Upper
85	100		
135	68.0	54.3	81.5



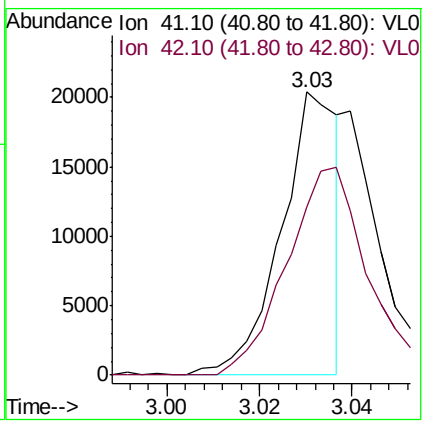


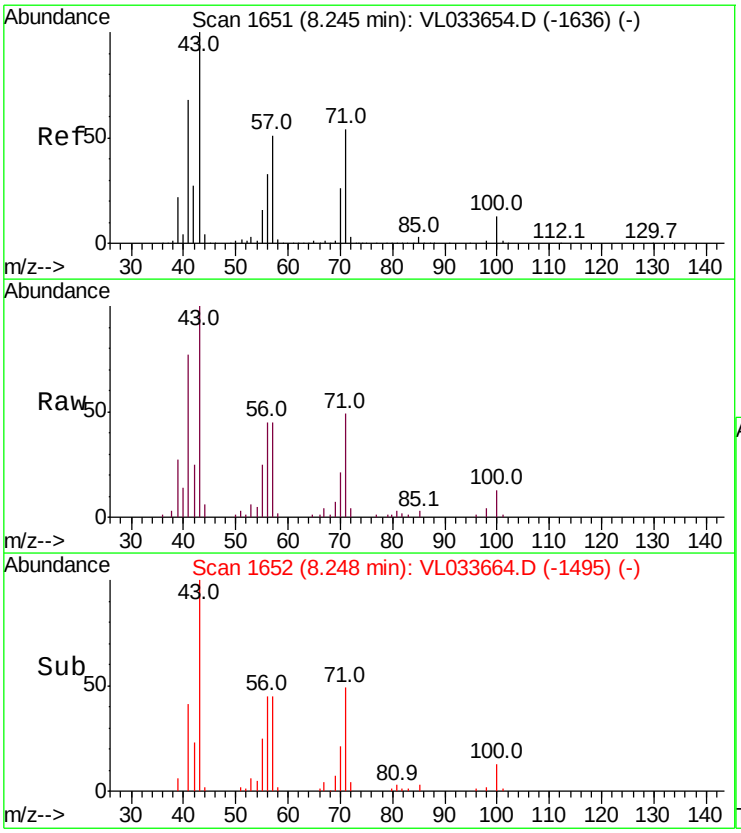
#9
Propene
Concen: 0.338 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 17380

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.6	83.4#

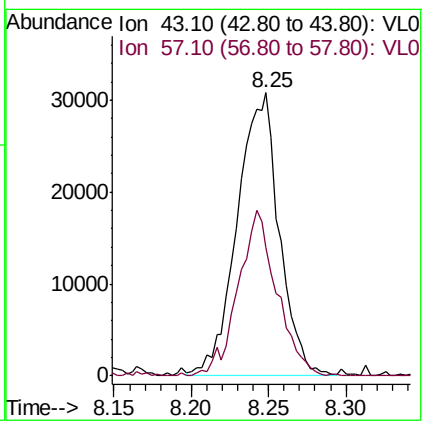


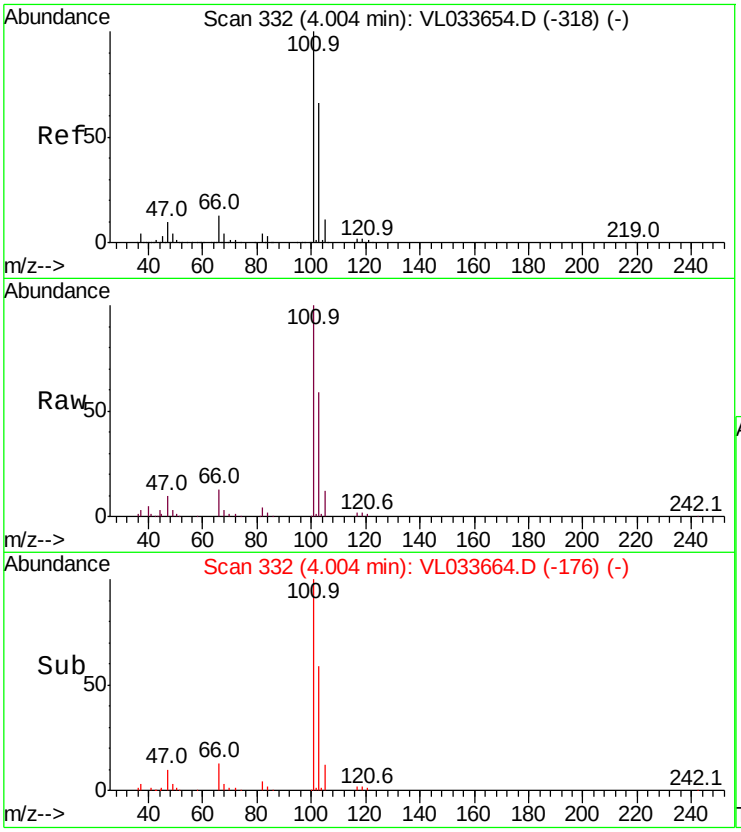


#10
Heptane
Concen: 0.458 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 43 Resp: 58200

Ion	Ratio	Lower	Upper
43	100		
57	54.0	41.8	62.6



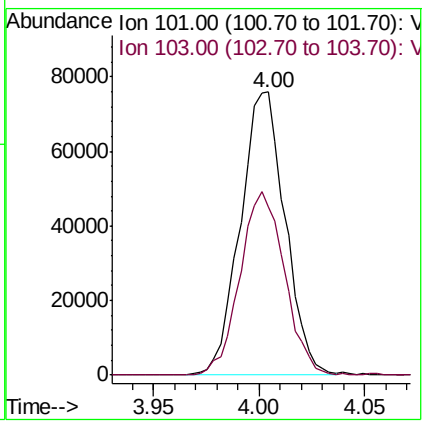


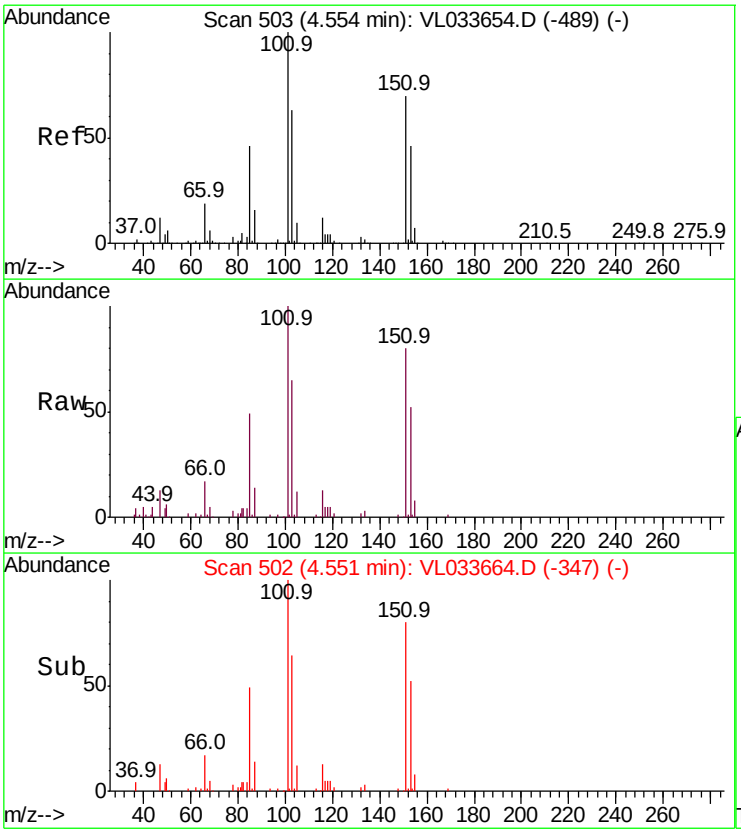
#11
Trichlorofluoromethane
Concen: 0.548 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 112197

Ion	Ratio	Lower	Upper
101	100		
103	59.5	52.7	79.1

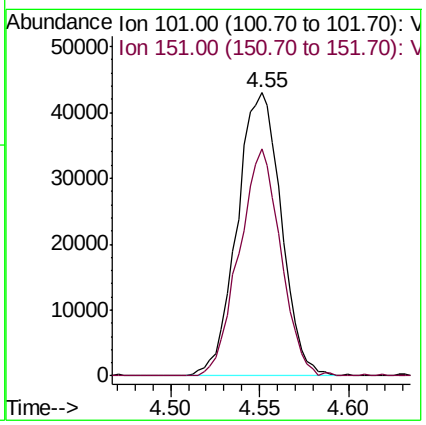


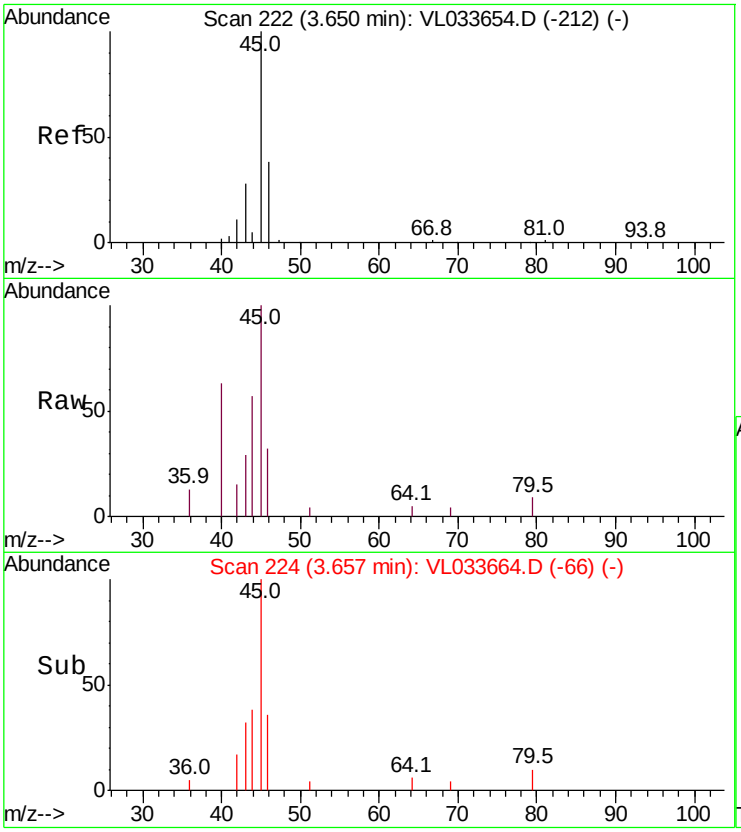


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.540 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:101 Resp: 74388

Ion	Ratio	Lower	Upper
101	100		
151	75.9	58.0	87.0



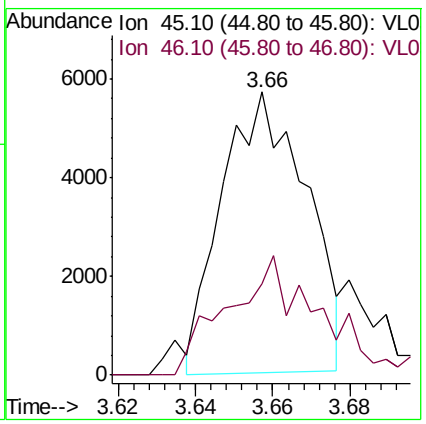


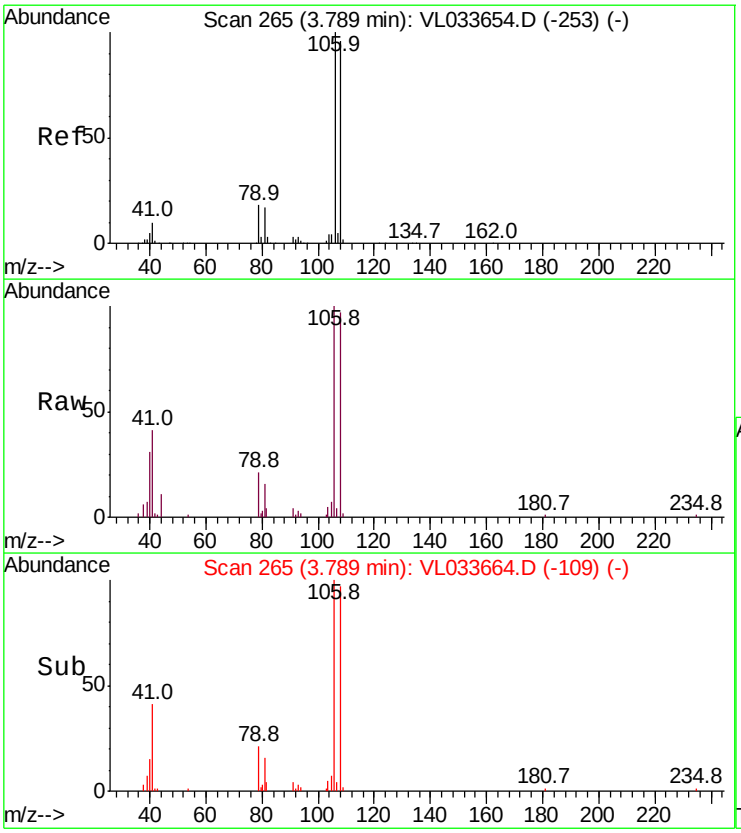
#13
Ethanol
Concen: 0.558 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 8622

Ion	Ratio	Lower	Upper
45	100		
46	48.4	14.9	59.7

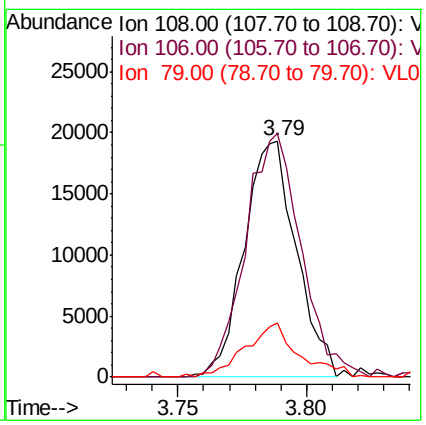


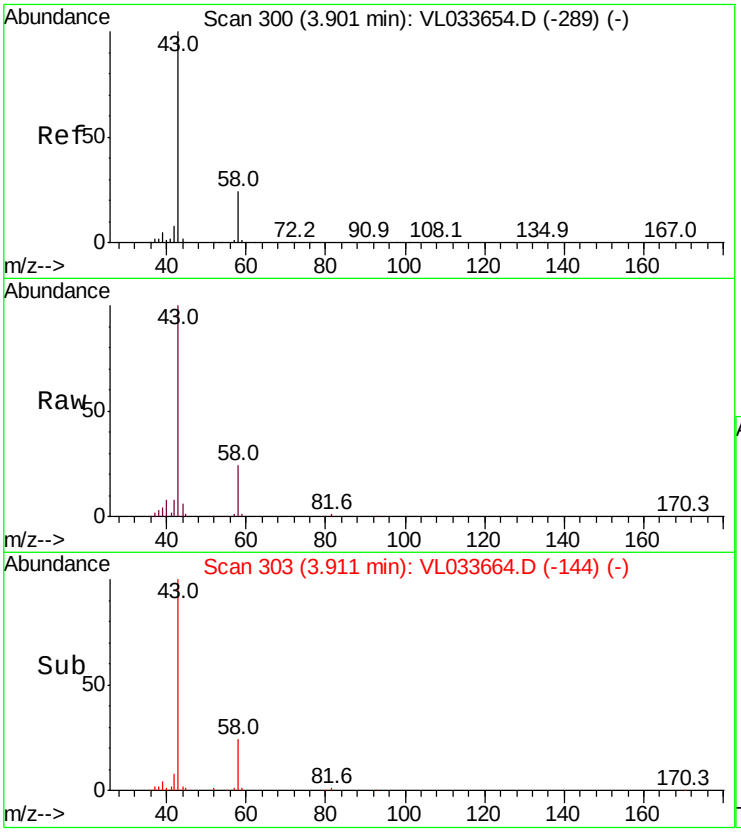


#14
Bromoethene
Concen: 0.505 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:108 Resp: 27415

Ion	Ratio	Lower	Upper
108	100		
106	110.1	85.7	128.5
79	23.4	15.2	22.8#



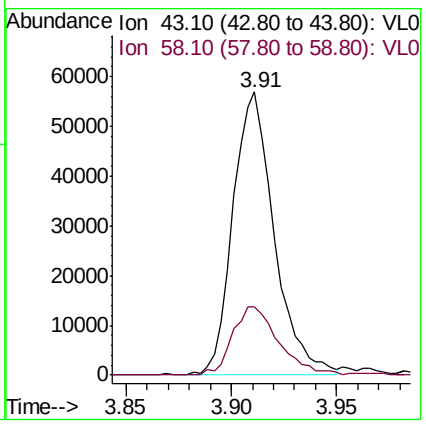


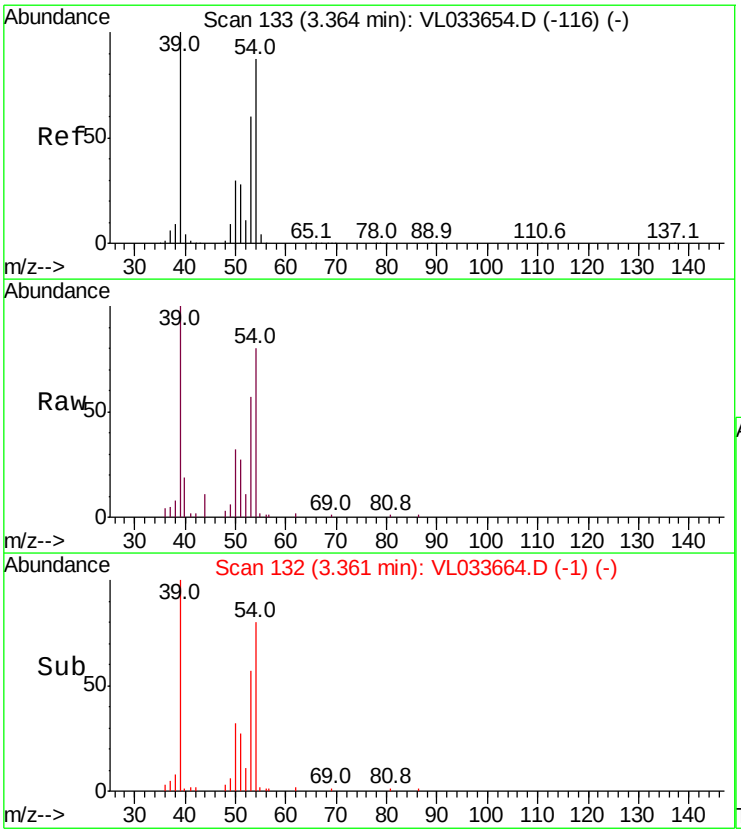
#15
Acetone
Concen: 0.557 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 77528

Ion	Ratio	Lower	Upper
43	100		
58	27.7	20.9	31.3

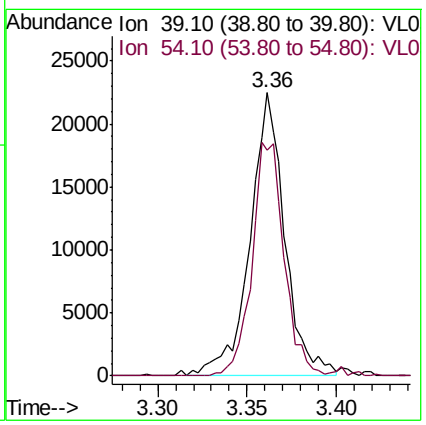


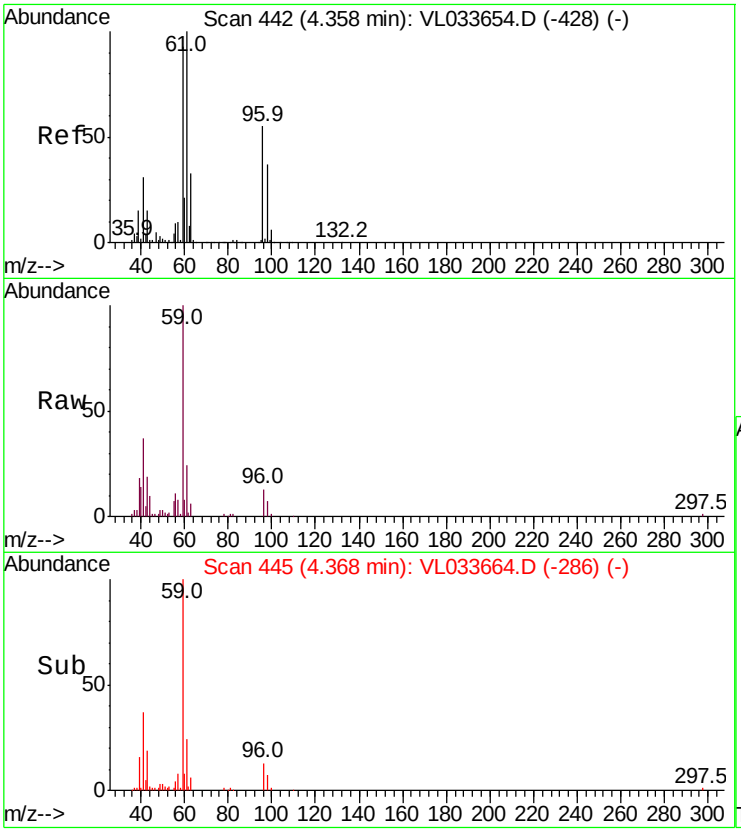


#16
1,3-Butadiene
Concen: 0.514 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 39 Resp: 30628

Ion	Ratio	Lower	Upper
39	100		
54	77.2	67.0	100.4



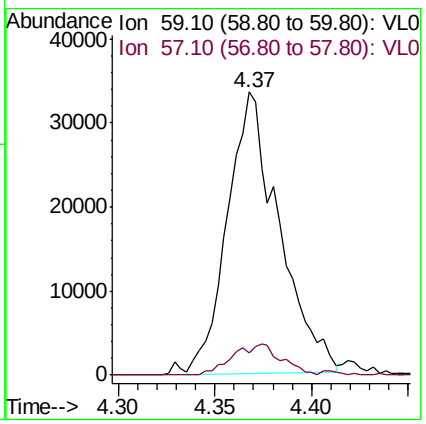


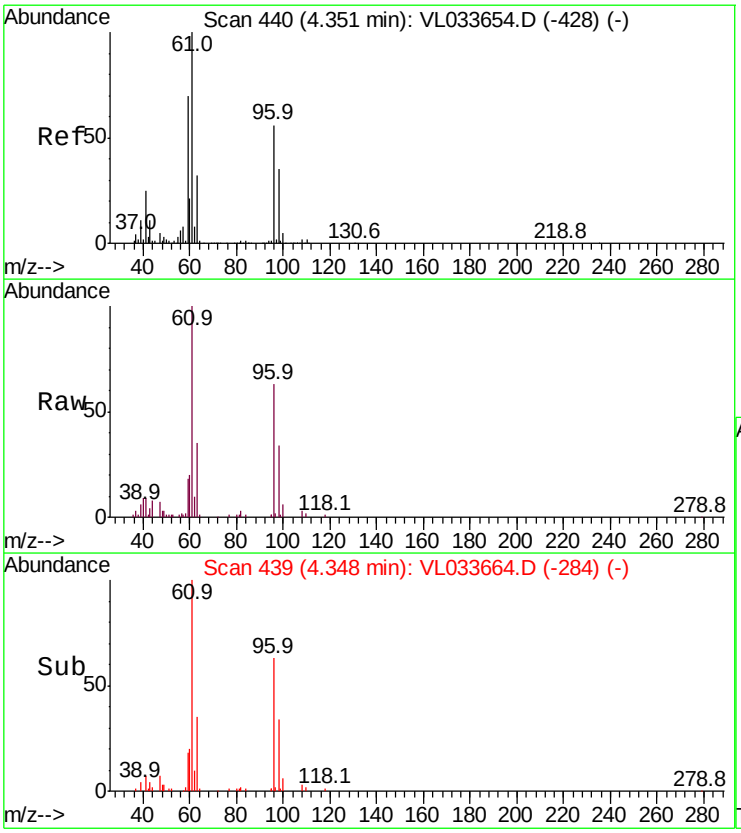
#17
tert-Butyl alcohol
Concen: 0.584 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 61698

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.4	12.6

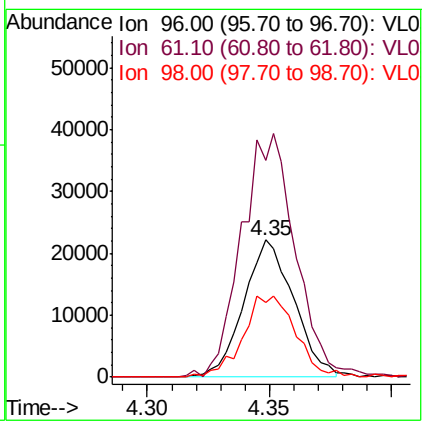


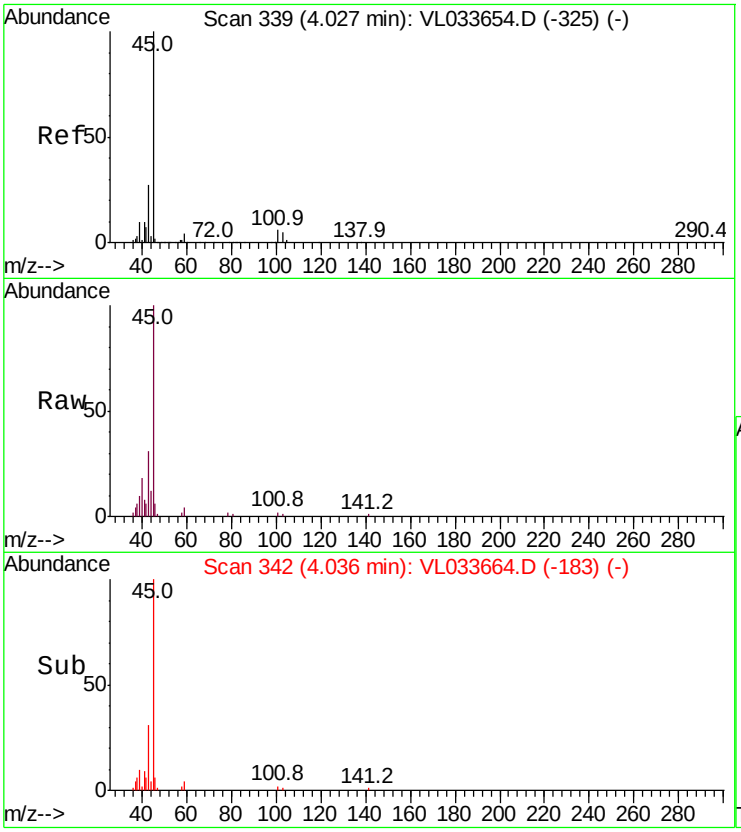


#18
1,1-Dichloroethene
Concen: 0.530 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 96 Resp: 31477

Ion	Ratio	Lower	Upper
96	100		
61	152.8	143.4	215.0
98	52.9	50.4	75.6



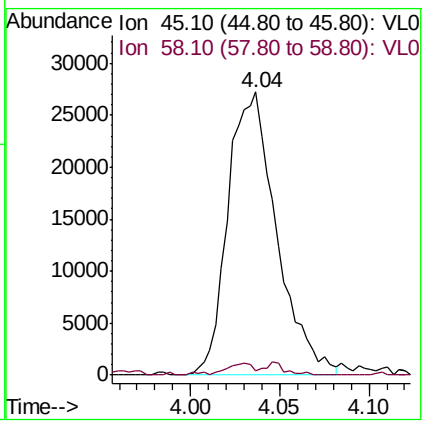


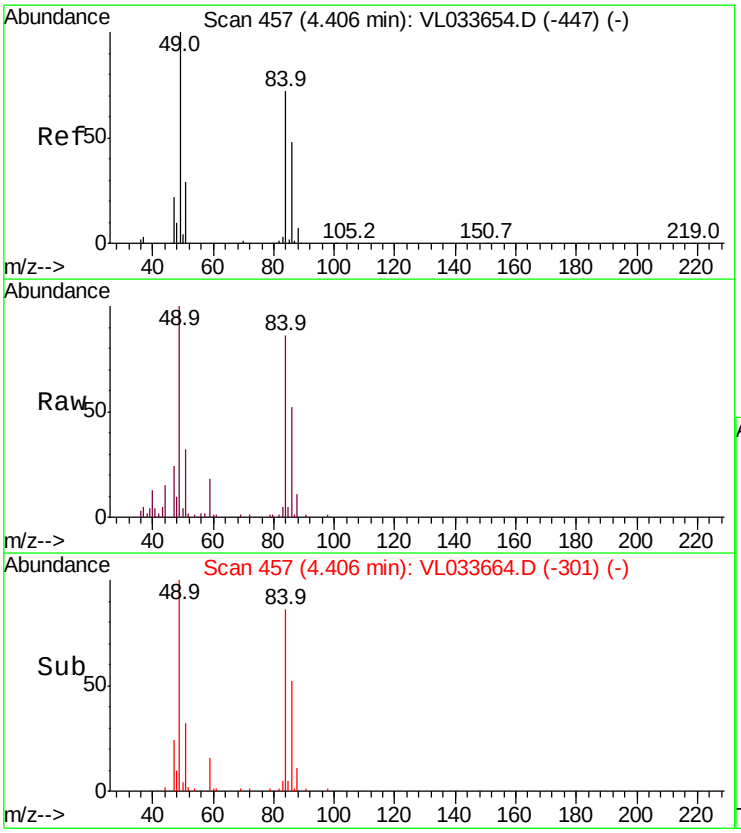
#19
Isopropyl Alcohol
Concen: 0.606 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 51807

Ion	Ratio	Lower	Upper
45	100		
58	4.5	2.0	3.0#

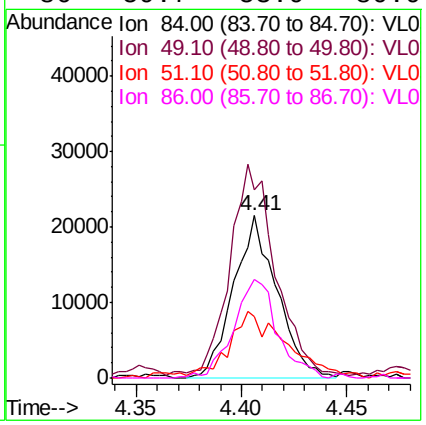


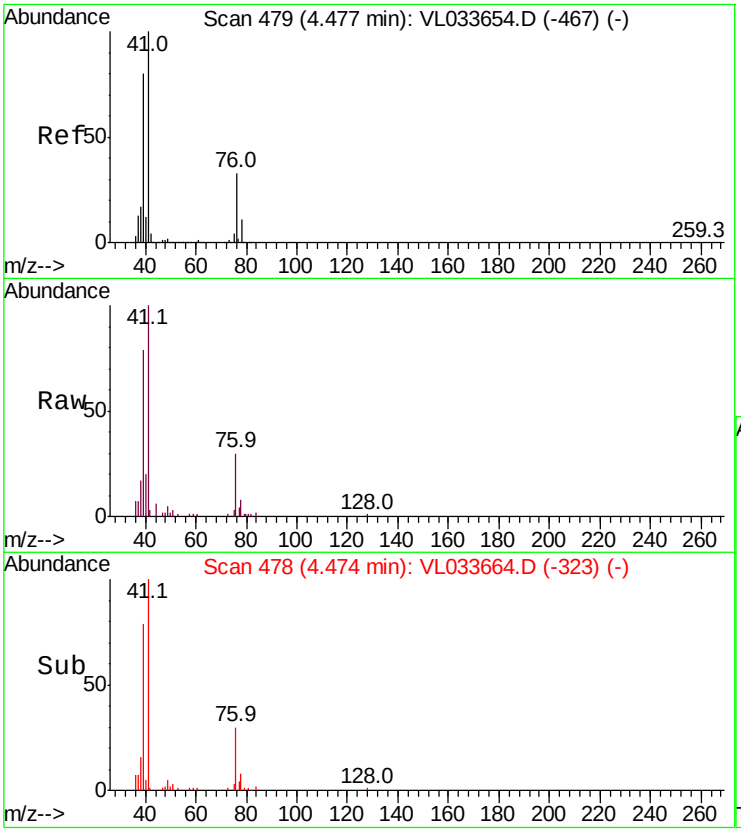


#20
Methylene Chloride
Concen: 0.581 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 84 Resp: 30690

Ion	Ratio	Lower	Upper
84	100		
49	112.3	111.8	167.6
51	38.5	32.3	48.5
86	59.7	53.9	80.9



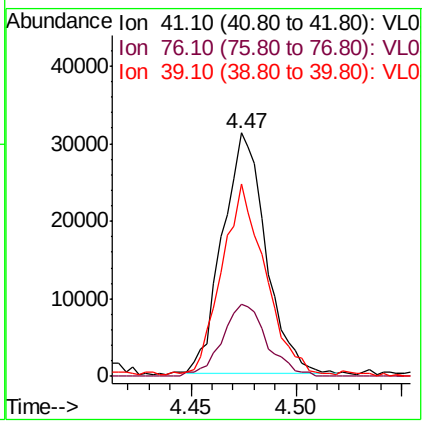


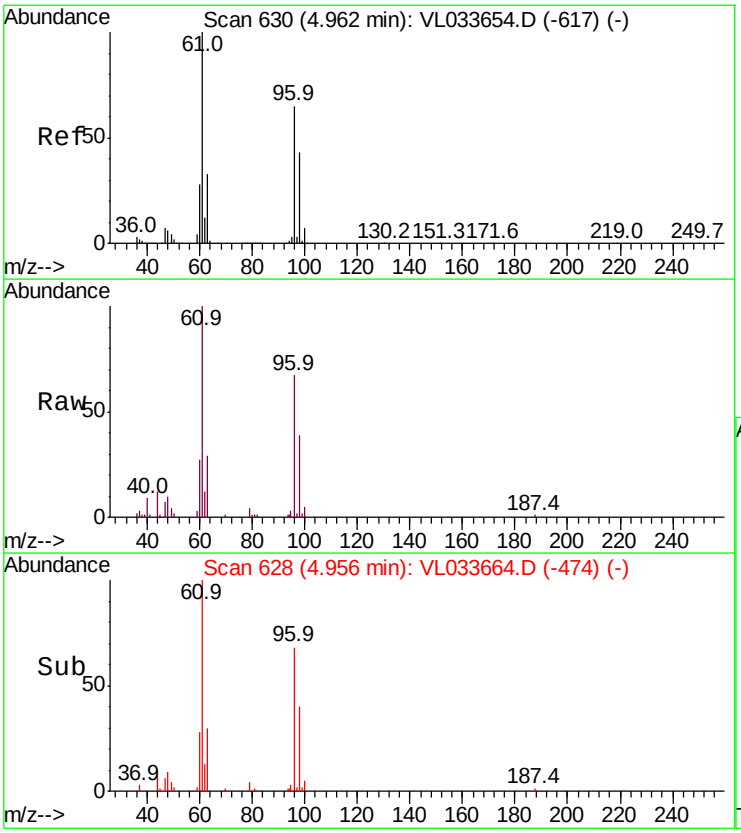
#21
Allyl Chloride
Concen: 0.522 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 43915

Ion	Ratio	Lower	Upper
41	100		
76	30.9	26.0	39.0
39	84.6	64.4	96.6

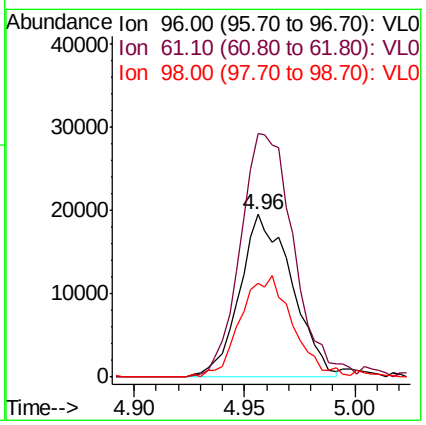


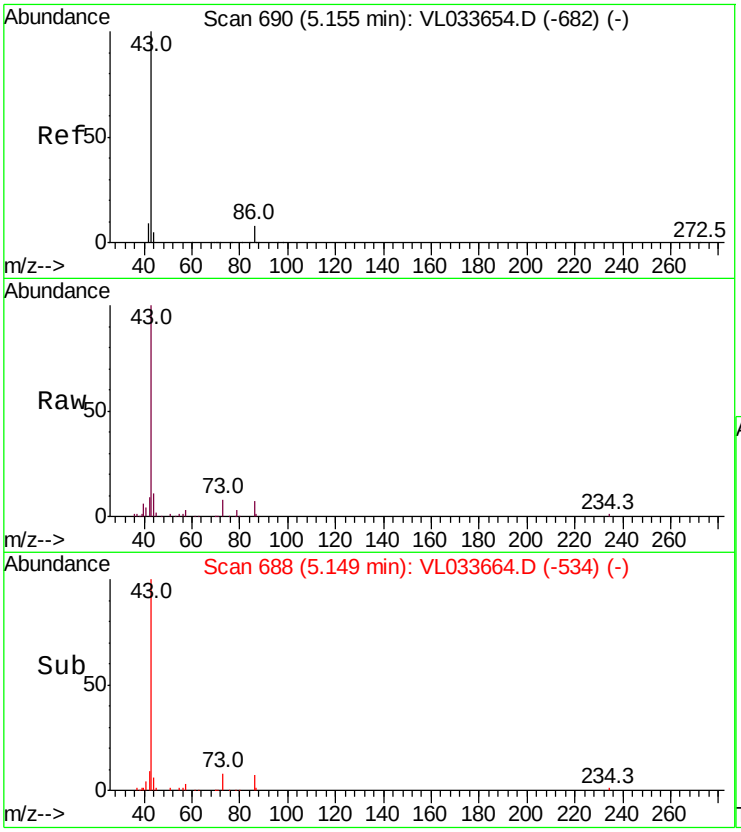


#22
trans-1,2-Dichloroethene
Concen: 0.541 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 96 Resp: 32251

Ion	Ratio	Lower	Upper
96	100		
61	149.8	123.1	184.7
98	60.6	52.6	79.0



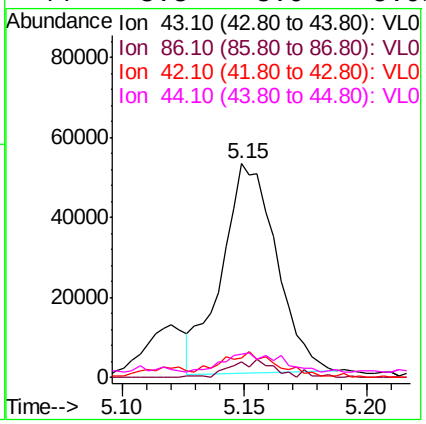


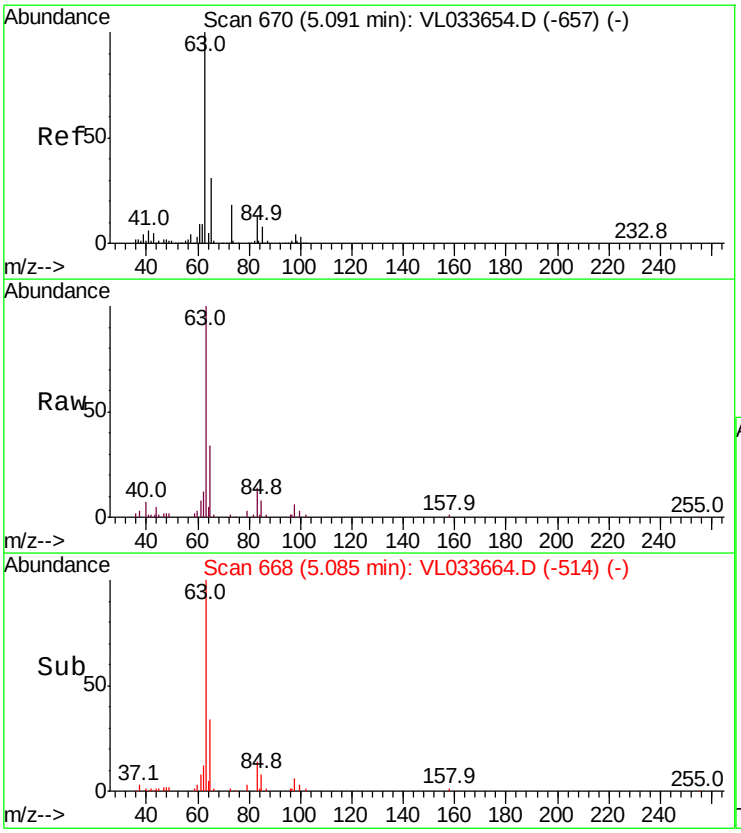
#23
Vinyl Acetate
Concen: 0.451 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 81427

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.0	9.0
42	8.6	8.0	12.0
44	8.3	3.9	5.9#

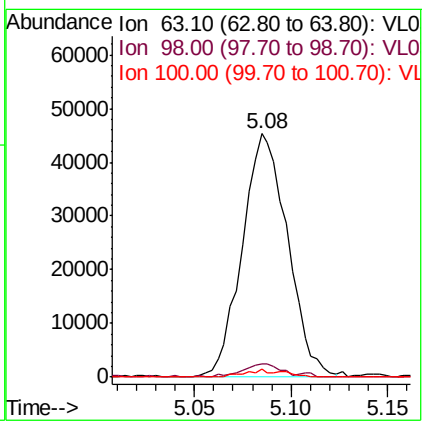


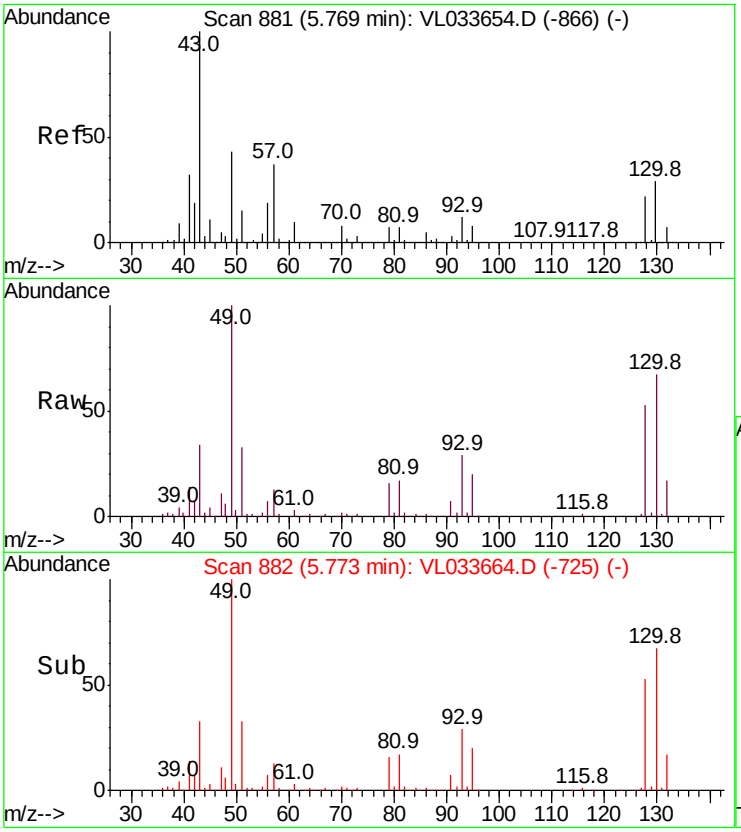


#24
1,1-Dichloroethane
Concen: 0.541 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 63 Resp: 73915

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.1	6.2
100	3.3	1.5	4.4



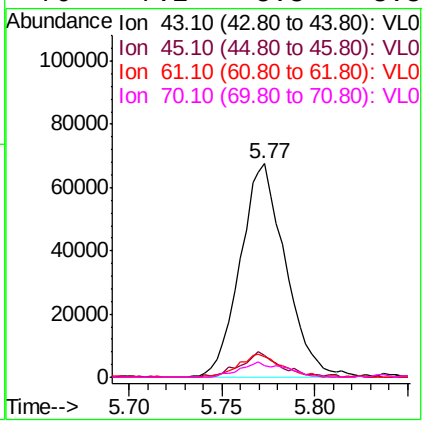


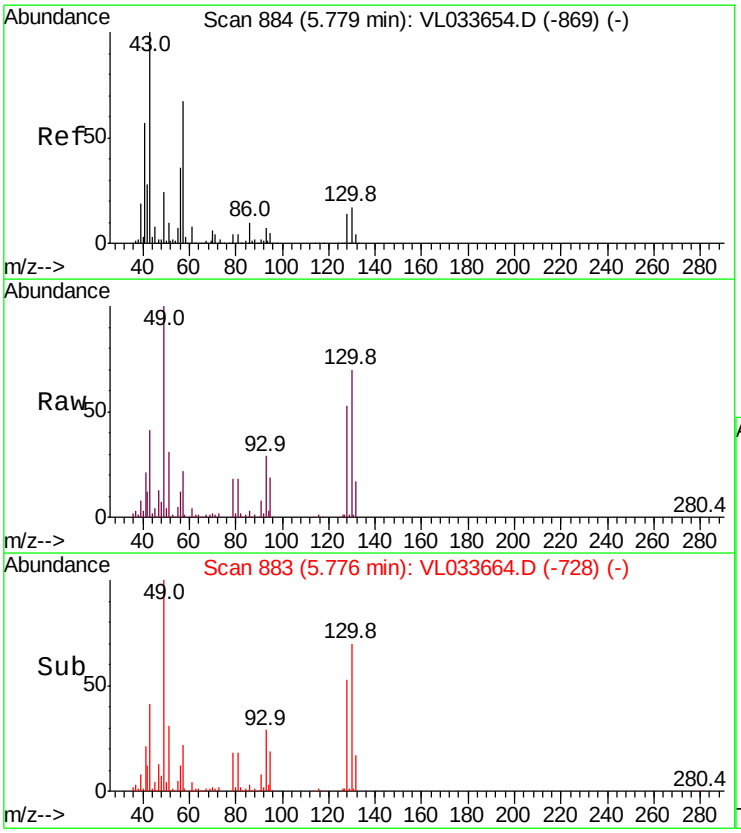
#25
Ethyl Acetate
Concen: 0.504 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 114102

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.0	12.0
61	10.3	7.5	11.3
70	7.2	5.8	8.8

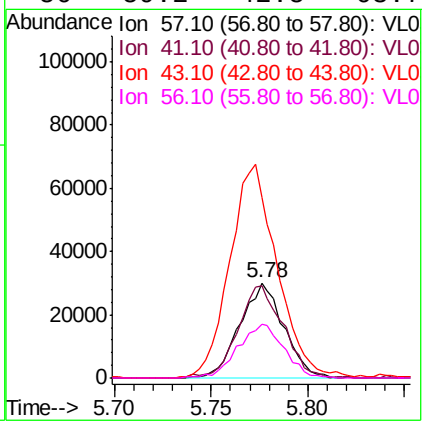


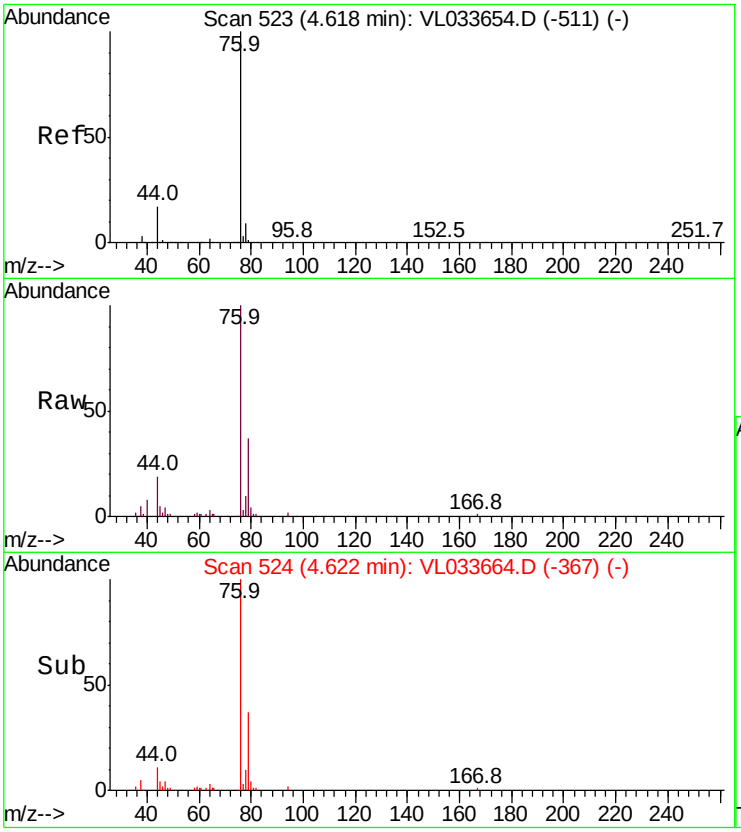


#26
Hexane
Concen: 0.487 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 57 Resp: 47319

Ion	Ratio	Lower	Upper
57	100		
41	100.4	69.7	104.5
43	244.0	181.9	272.9
56	59.2	42.5	63.7



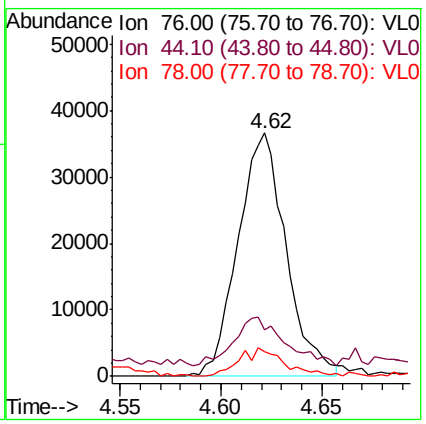


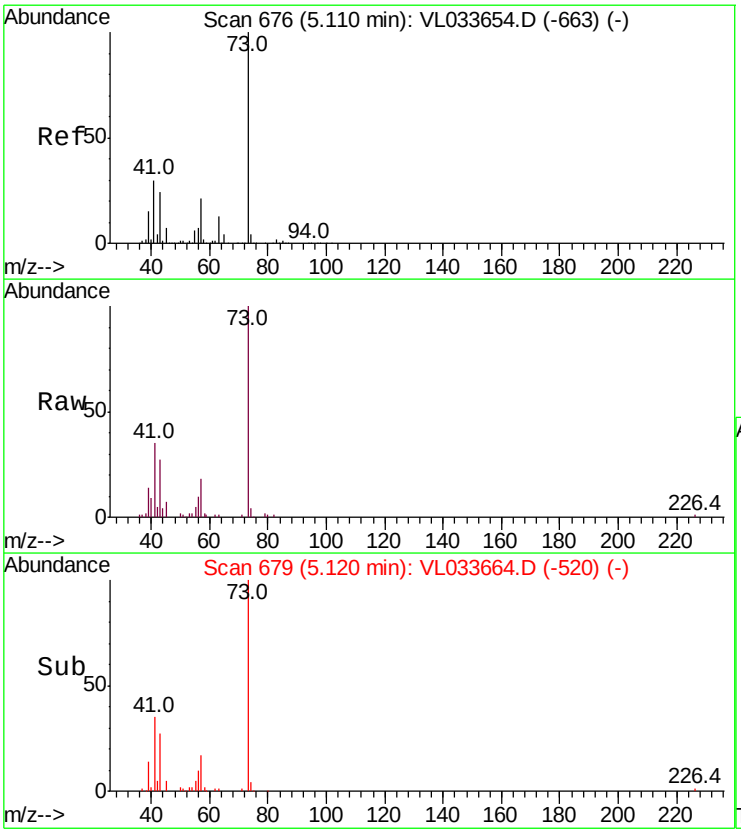
#27
Carbon Disulfide
Concen: 0.460 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 61128

Ion	Ratio	Lower	Upper
76	100		
44	24.1	14.4	21.6#
78	11.7	7.4	11.2#

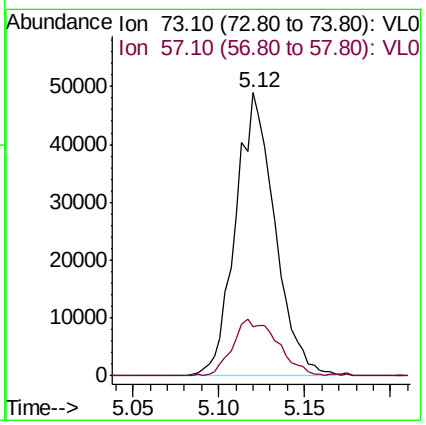


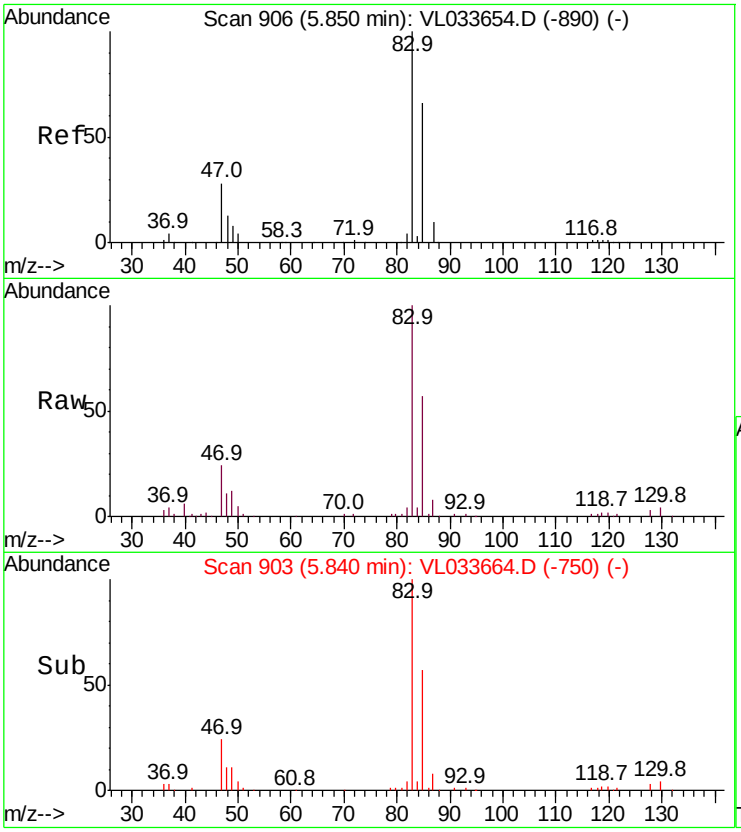


#28
Methyl tert-Butyl Ether
Concen: 0.474 ppbv
RT: 5.12 min Scan# 679
Delta R.T. 0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 73 Resp: 77717

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.4	26.0



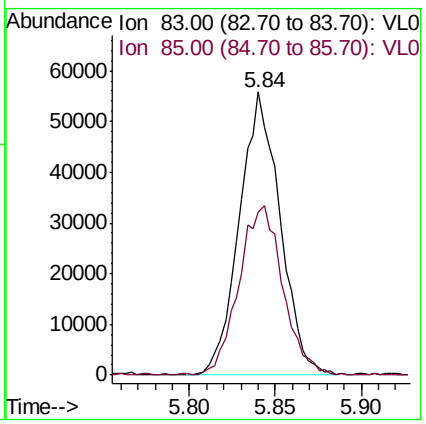


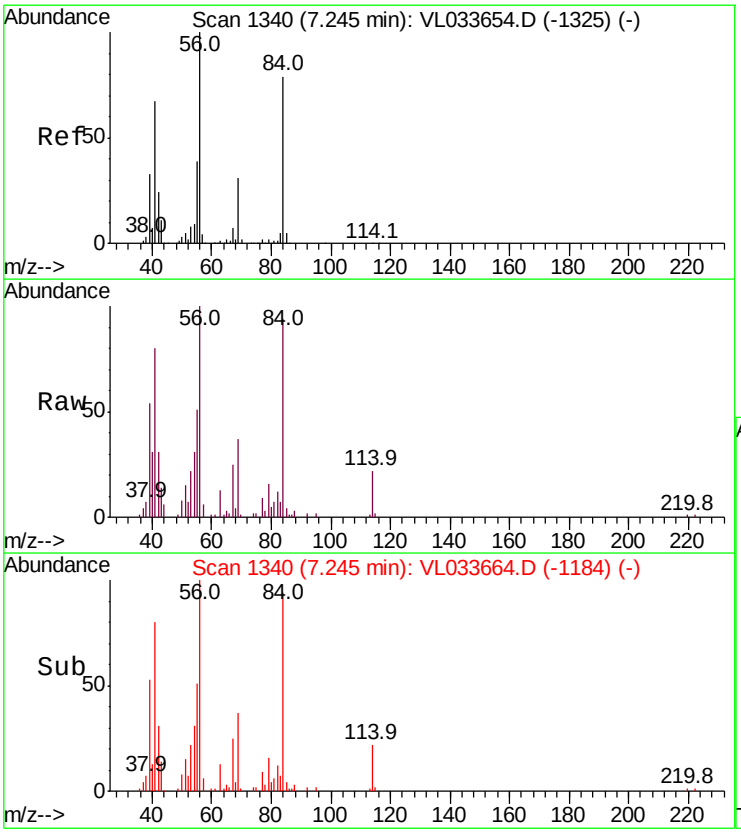
#29
Chloroform
Concen: 0.524 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 91703

Ion	Ratio	Lower	Upper
83	100		
85	57.5	52.6	78.8

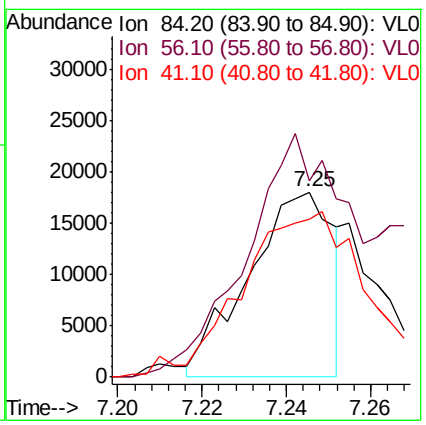


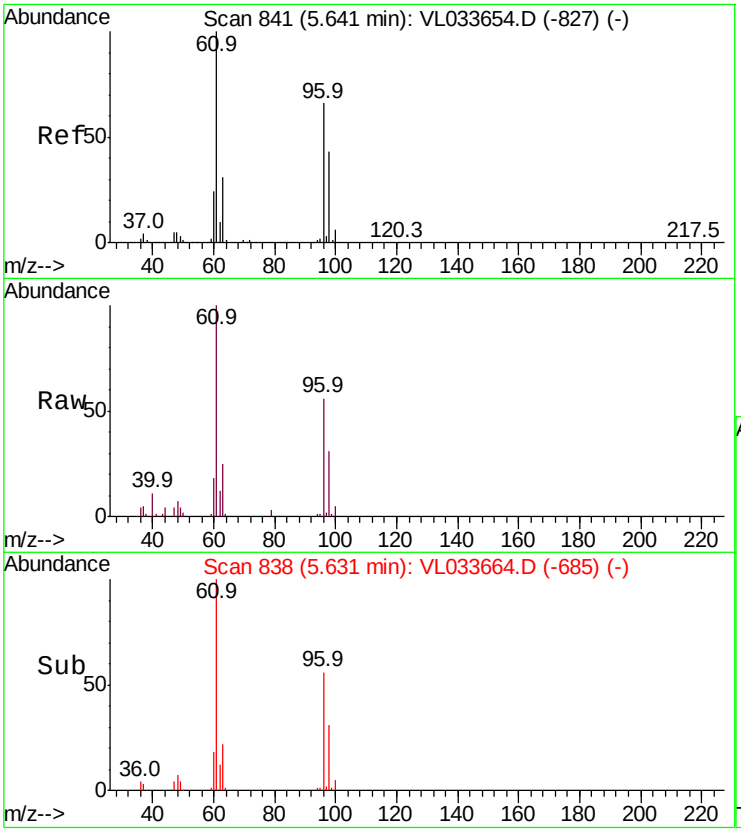


#30
Cyclohexane
Concen: 0.307 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 84 Resp: 25063

Ion	Ratio	Lower	Upper
84	100		
56	153.9	107.0	160.4
41	132.6	66.6	99.8#



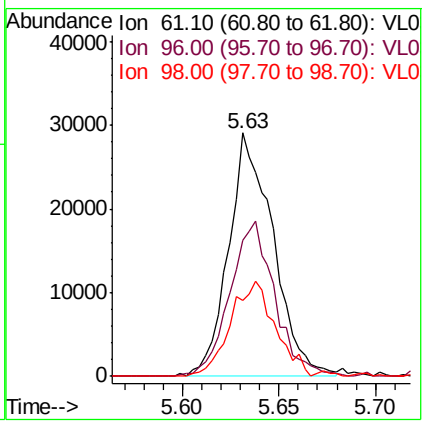


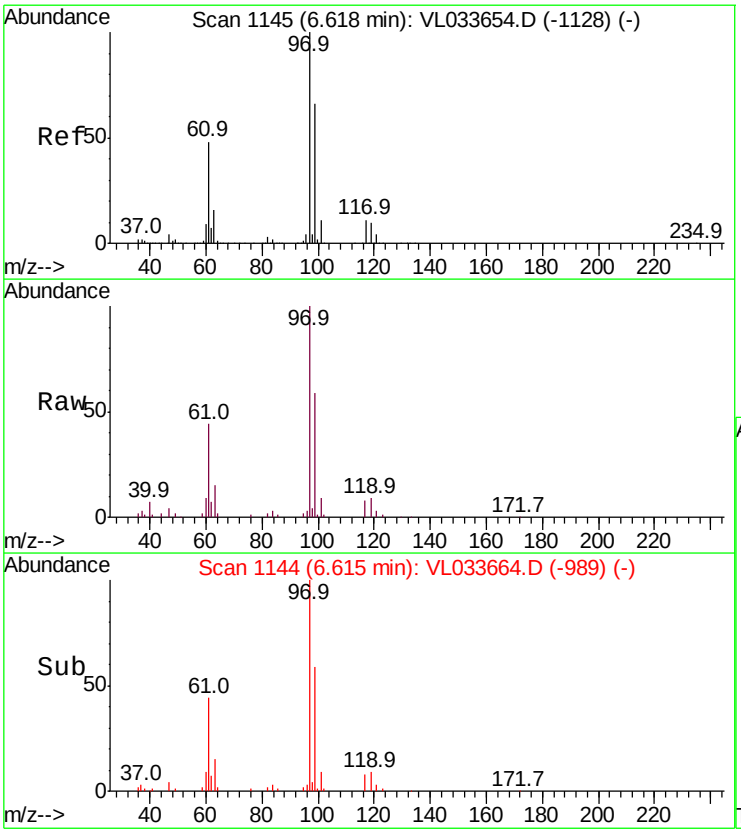
#31
cis-1,2-Dichloroethene
Concen: 0.481 ppbv
RT: 5.63 min Scan# 838
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 46515

Ion	Ratio	Lower	Upper
61	100		
96	56.7	53.2	79.8
98	32.2	34.2	51.4#

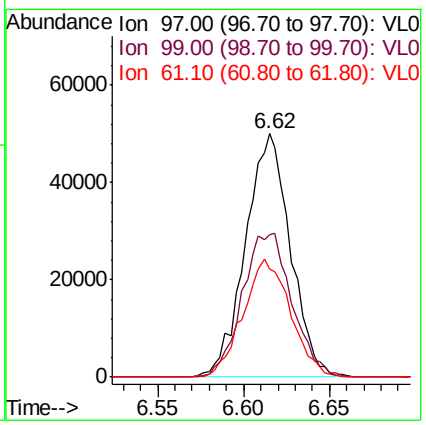


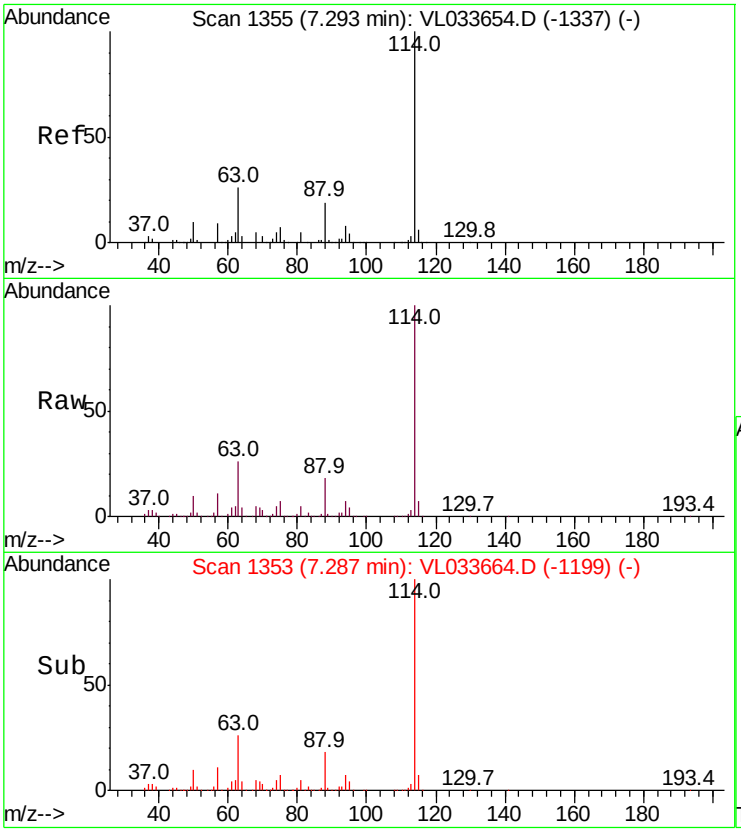


#32
1,1,1-Trichloroethane
Concen: 0.502 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 97 Resp: 90572

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.4	77.2
61	51.4	38.5	57.7



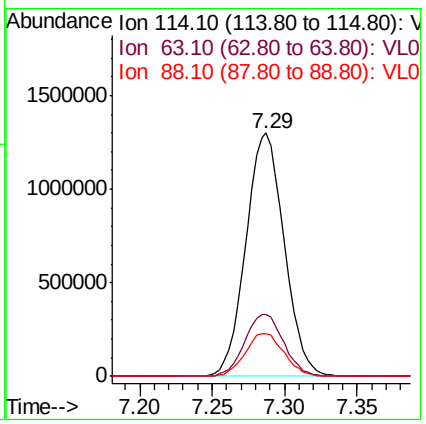


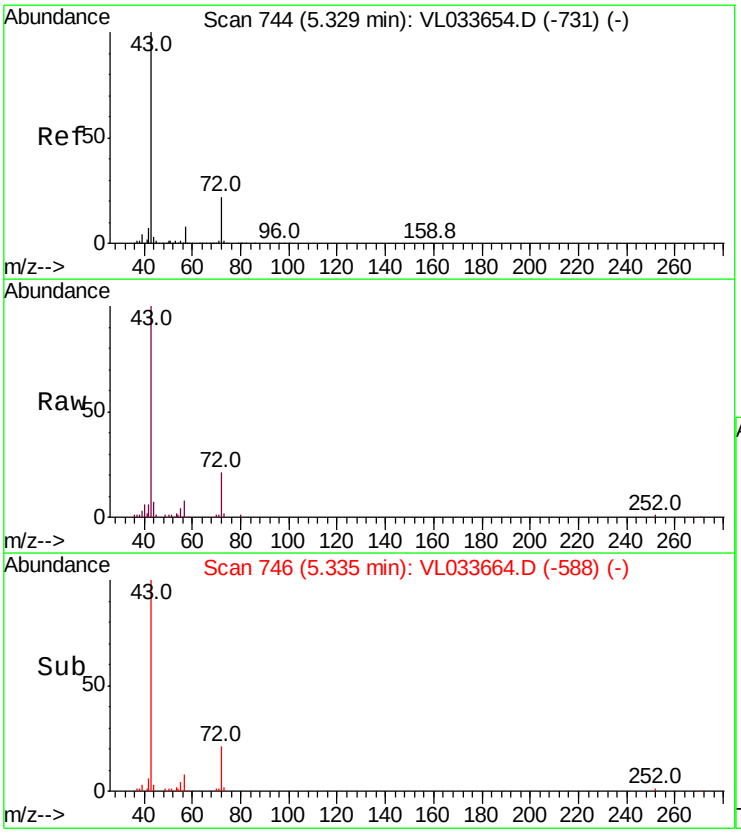
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2393044

Ion	Ratio	Lower	Upper
114	100		
63	26.1	21.3	31.9
88	18.0	14.4	21.6

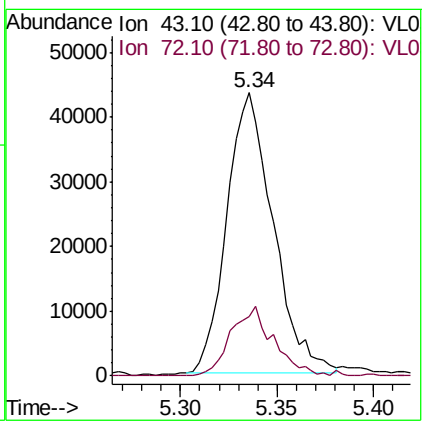


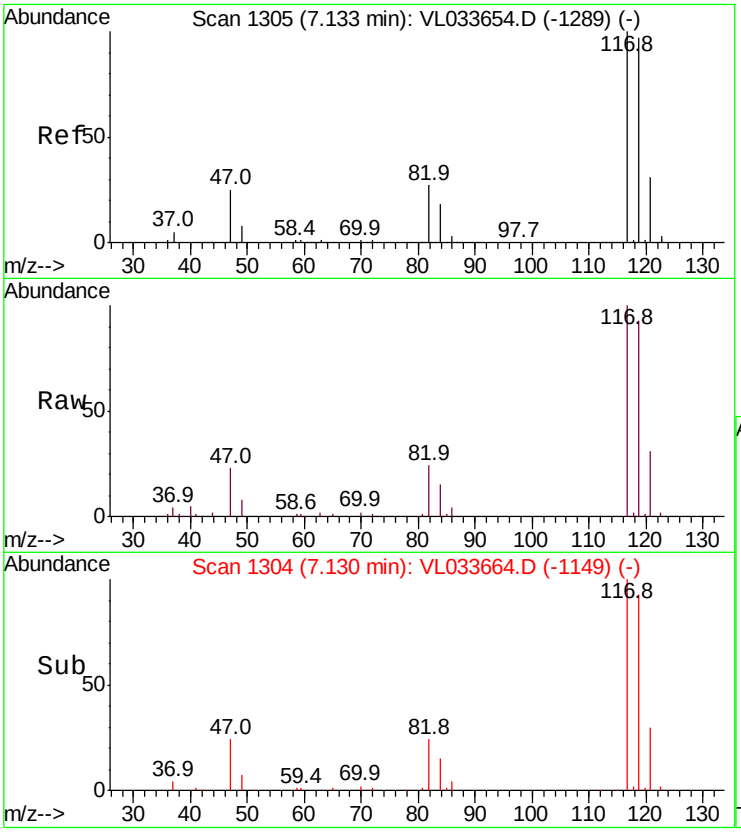


#34
2-Butanone
Concen: 0.471 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 43 Resp: 72187

Ion	Ratio	Lower	Upper
43	100		
72	23.2	17.5	26.3



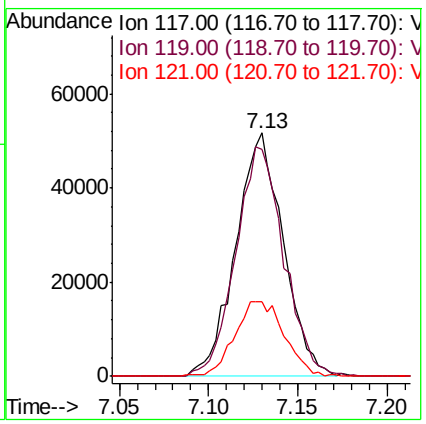


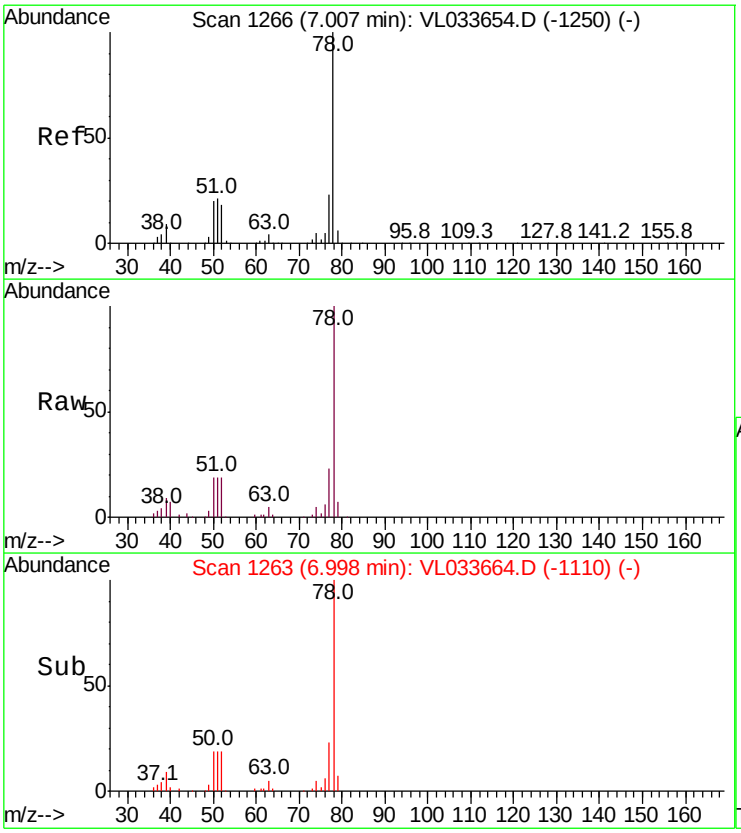
#35
Carbon Tetrachloride
Concen: 0.490 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 96330

Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.9	116.9
121	30.2	25.0	37.6

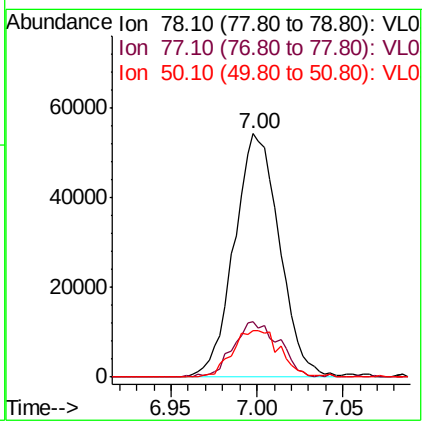


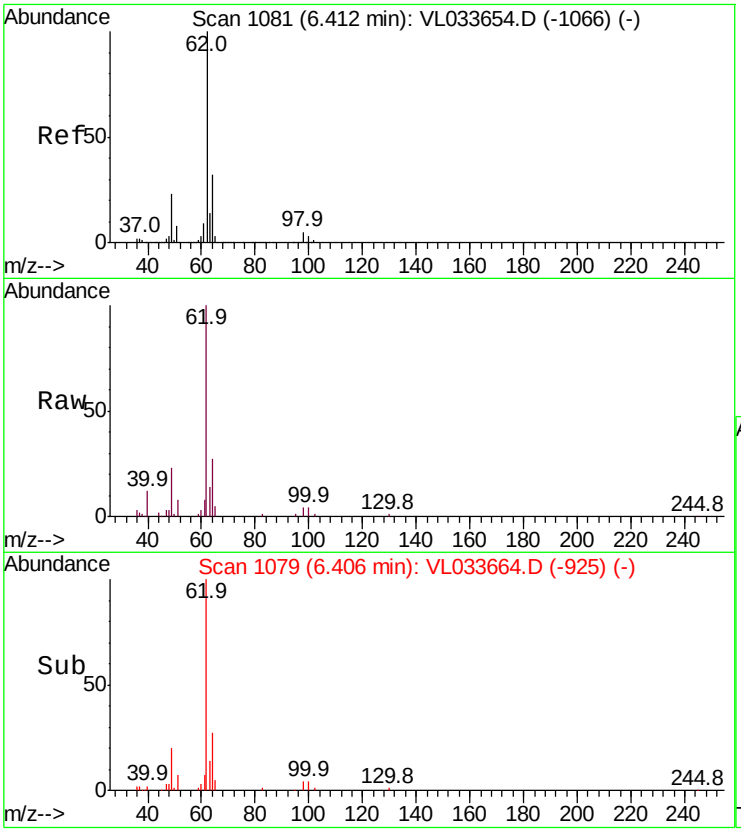


#36
Benzene
Concen: 0.461 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 78 Resp: 98882

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.2
50	19.0	15.8	23.6



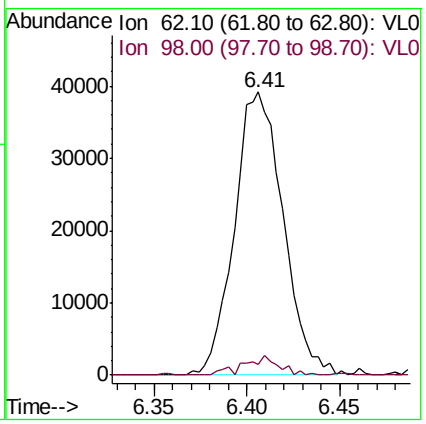


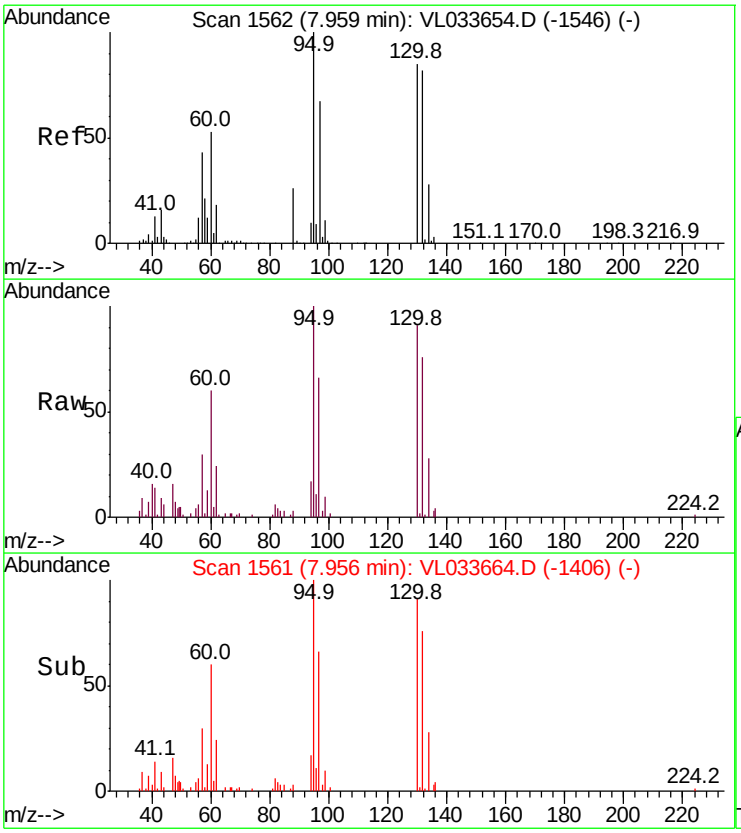
#37
1,2-Dichloroethane
Concen: 0.476 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 62 Resp: 71241

Ion	Ratio	Lower	Upper
62	100		
98	5.1	4.5	6.7

Instrument :
MSVOA_L
ClientSampleId :

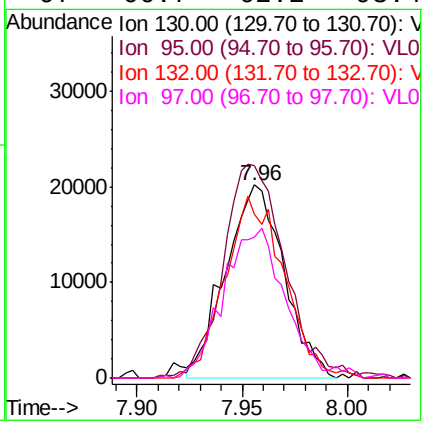


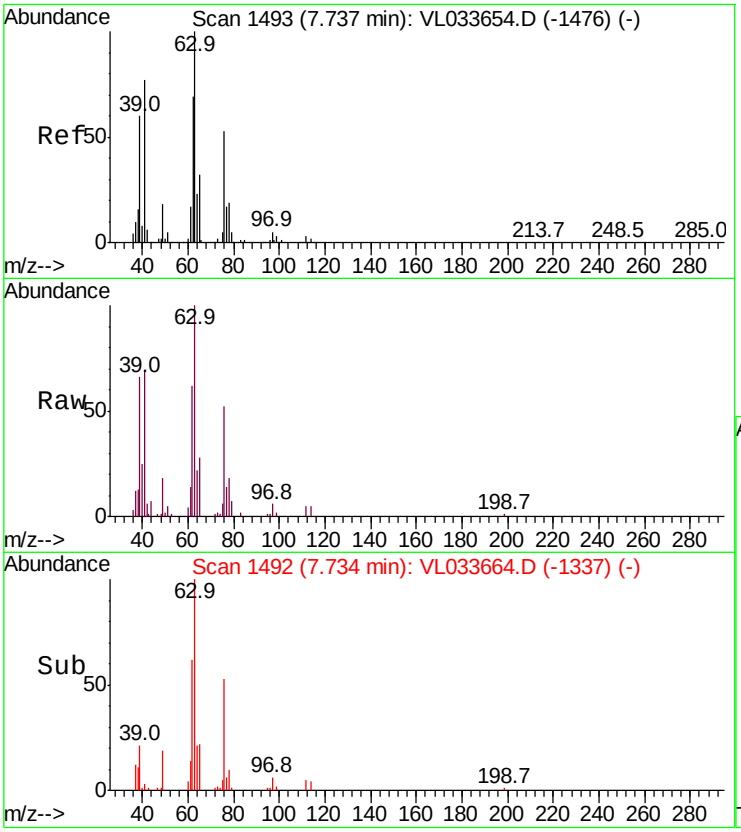


#38
Trichloroethene
Concen: 0.493 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:130 Resp: 38805

Ion	Ratio	Lower	Upper
130	100		
95	105.1	93.4	140.0
132	80.1	76.2	114.4
97	66.7	62.2	93.4



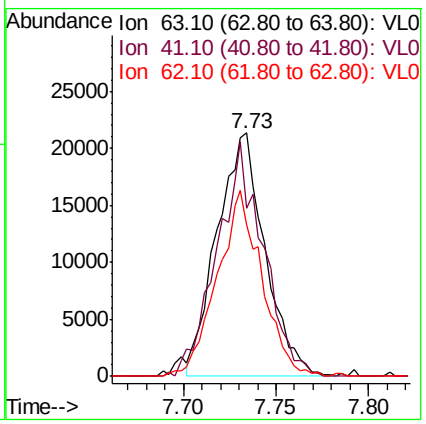


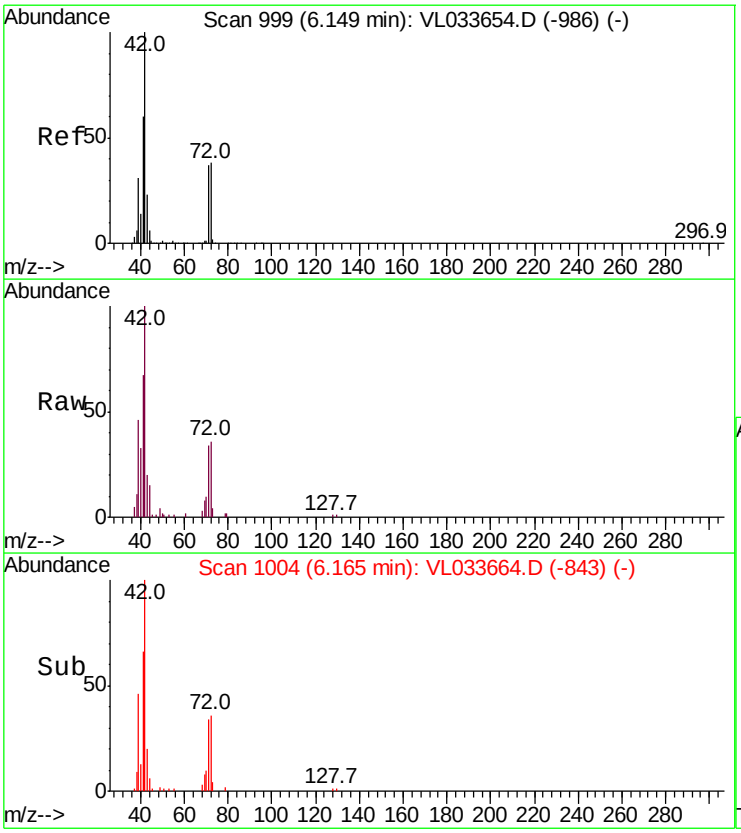
#39
1,2-Dichloropropane
Concen: 0.479 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 38301

Ion	Ratio	Lower	Upper
63	100		
41	69.1	61.6	92.4
62	61.1	55.0	82.6

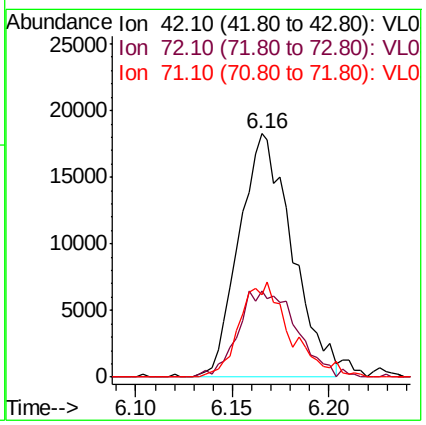


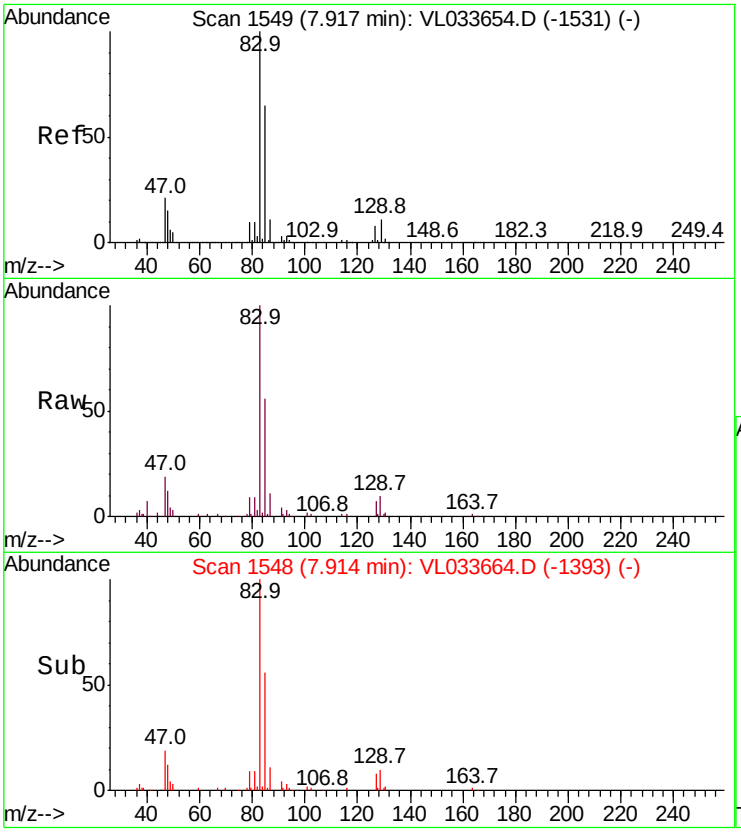


#41
Tetrahydrofuran
Concen: 0.439 ppbv
RT: 6.16 min Scan# 1004
Delta R.T. 0.02 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 42 Resp: 34788

Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.6	47.4
71	37.3	30.6	46.0



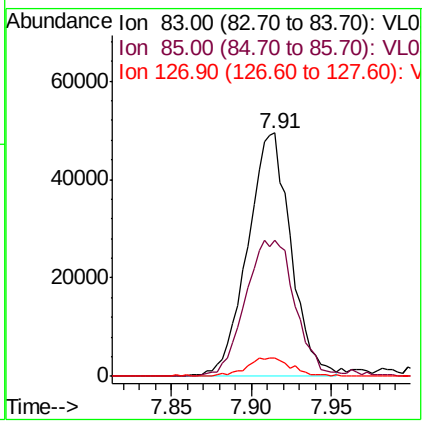


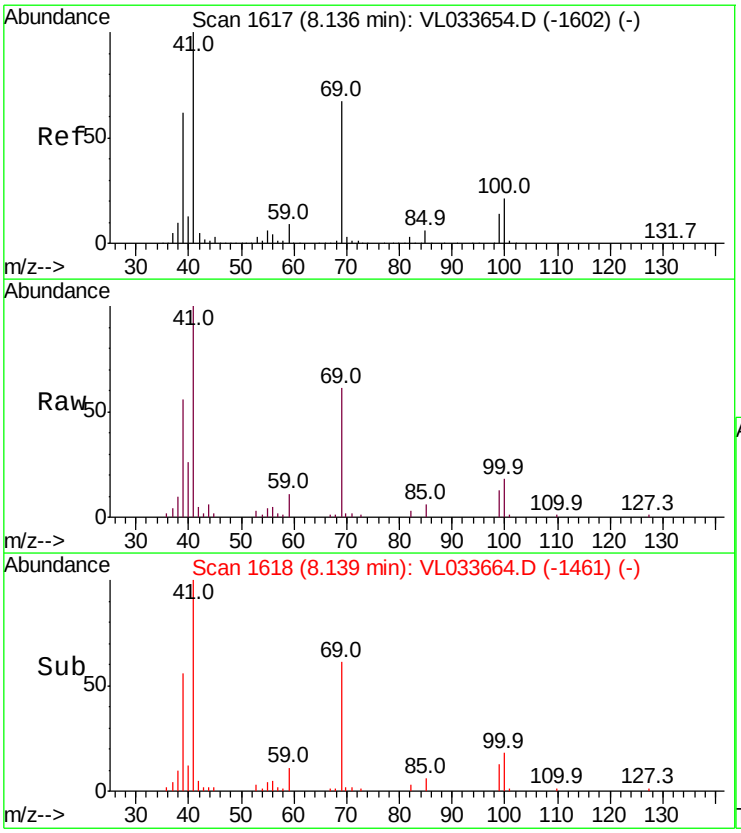
#42
Bromodichloromethane
Concen: 0.475 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 91746

Ion	Ratio	Lower	Upper
83	100		
85	54.8	52.4	78.6
127	6.9	6.6	9.8

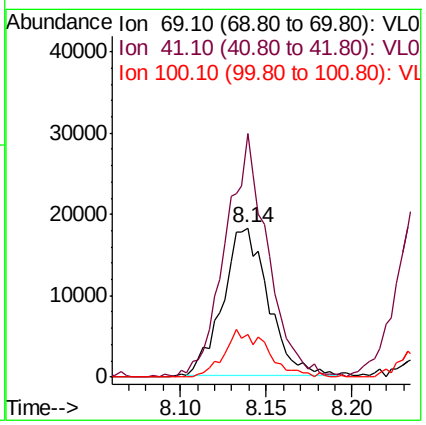


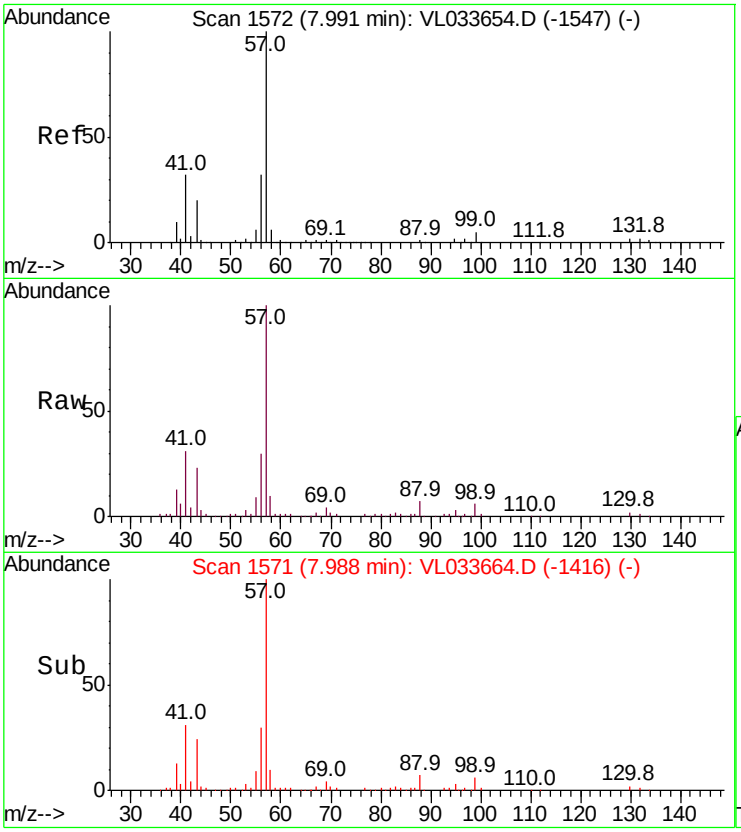


#43
Methyl Methacrylate
Concen: 0.415 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 69 Resp: 33475

Ion	Ratio	Lower	Upper
69	100		
41	153.3	116.6	175.0
100	30.4	24.6	37.0



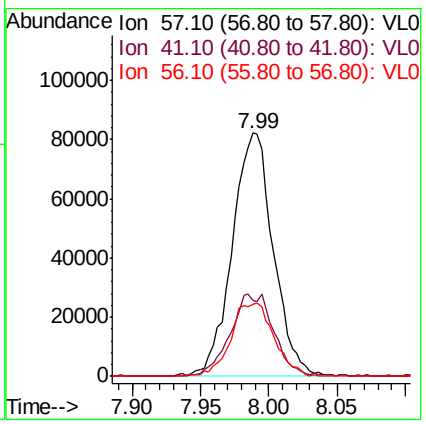


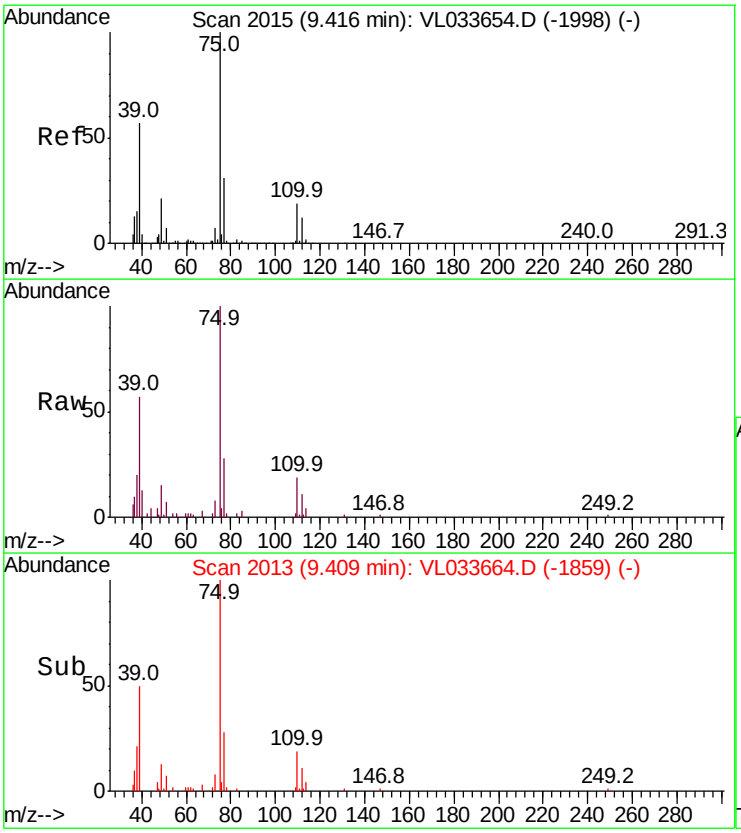
#44
2,2,4-Trimethylpentane
Concen: 0.465 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 170629

Ion	Ratio	Lower	Upper
57	100		
41	36.6	25.7	38.5
56	32.0	25.0	37.6

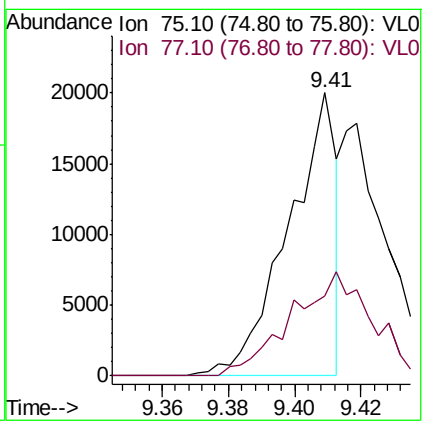


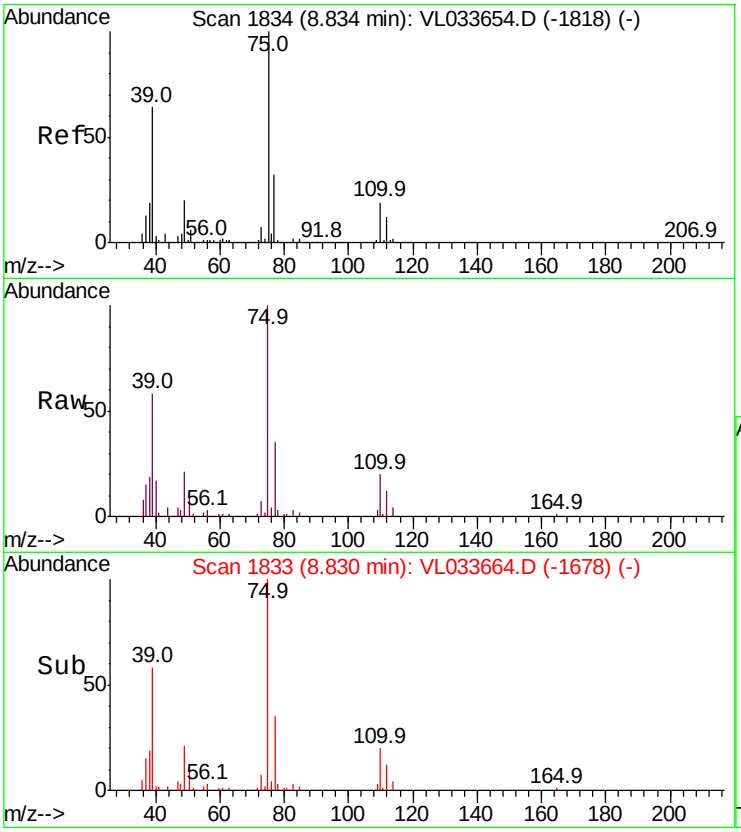


#45
t-1,3-Dichloropropene
Concen: 0.203 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 75 Resp: 20144

Ion	Ratio	Lower	Upper
75	100		
77	28.2	24.7	37.1



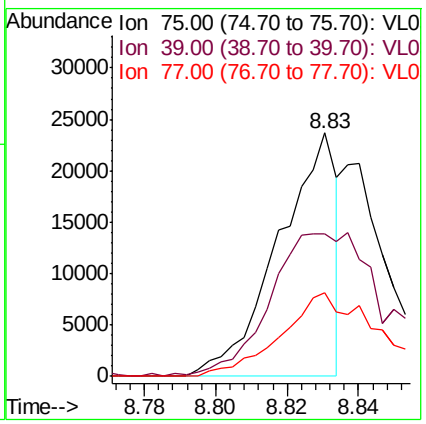


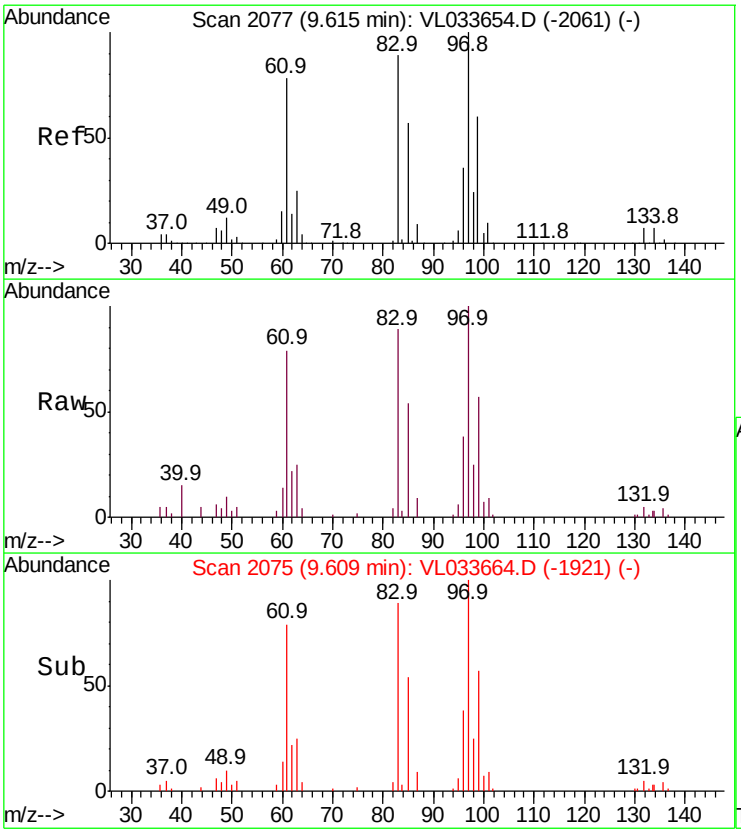
#46
cis-1,3-Dichloropropene
Concen: 0.217 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 26795

Ion	Ratio	Lower	Upper
75	100		
39	57.8	51.5	77.3
77	34.5	25.4	38.0

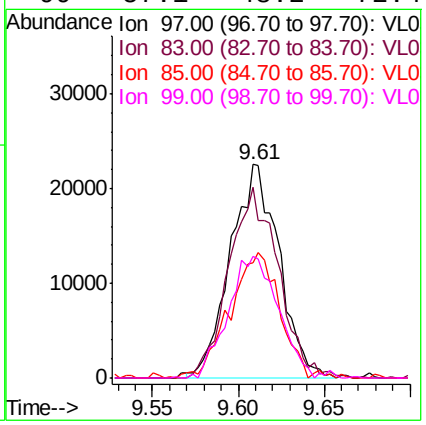


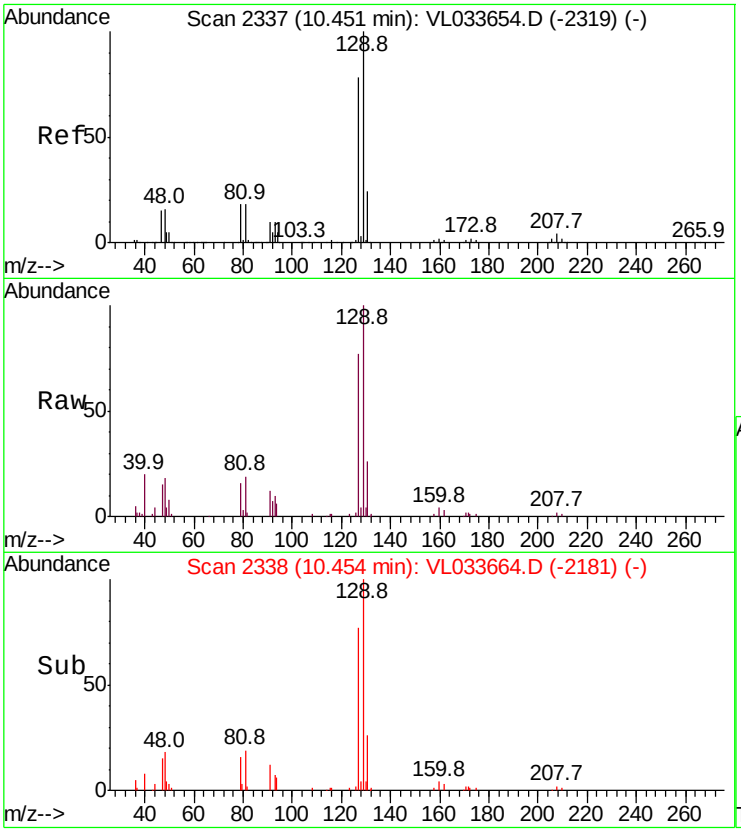


#47
1,1,2-Trichloroethane
Concen: 0.480 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 97 Resp: 44102

Ion	Ratio	Lower	Upper
97	100		
83	92.1	70.9	106.3
85	53.9	45.8	68.6
99	57.1	48.2	72.4



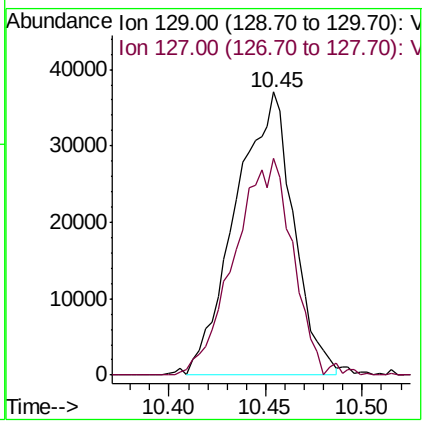


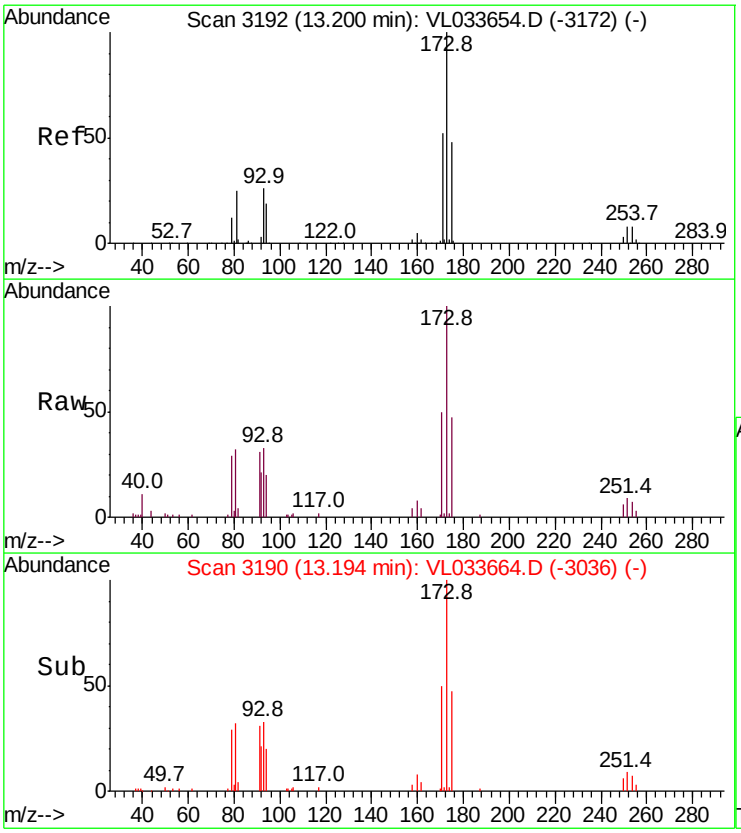
#48
Dibromochloromethane
Concen: 0.492 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:129 Resp: 76575

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.2

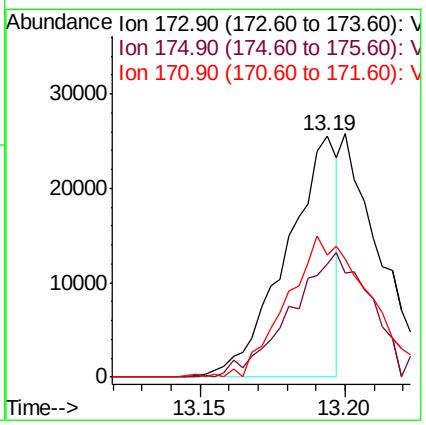


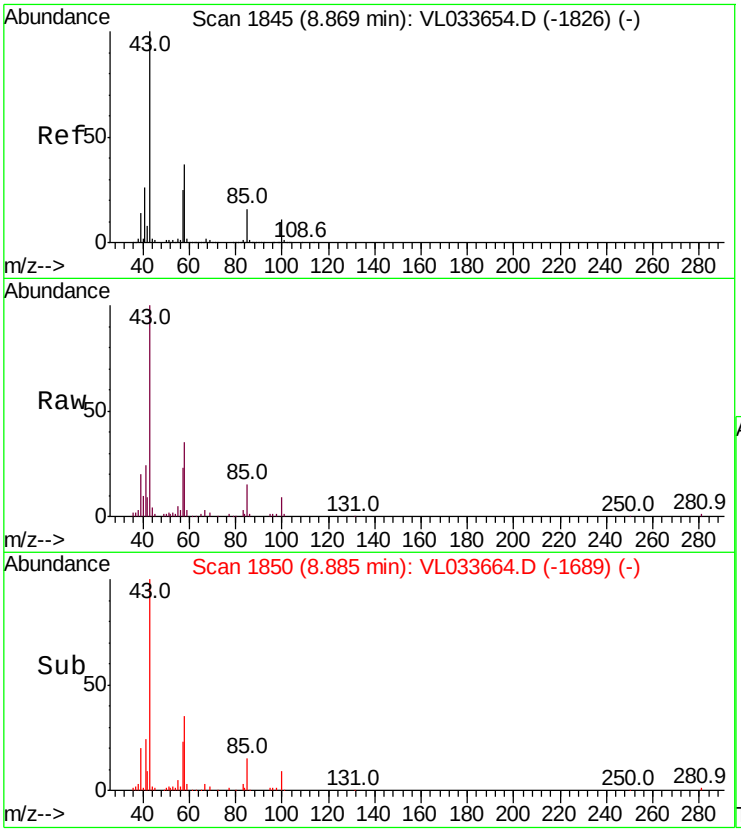


#49
Bromoform
Concen: 0.231 ppbv
RT: 13.19 min Scan# 3190
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:173 Resp: 31244

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.3	58.9#
171	95.8	41.5	62.3#



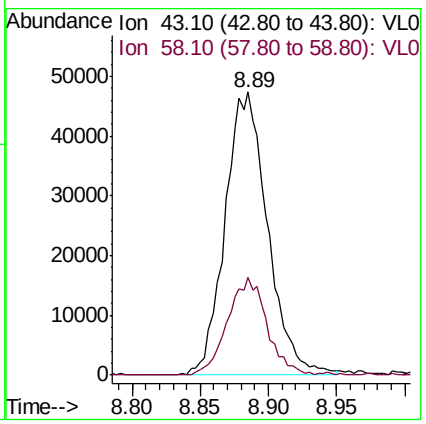


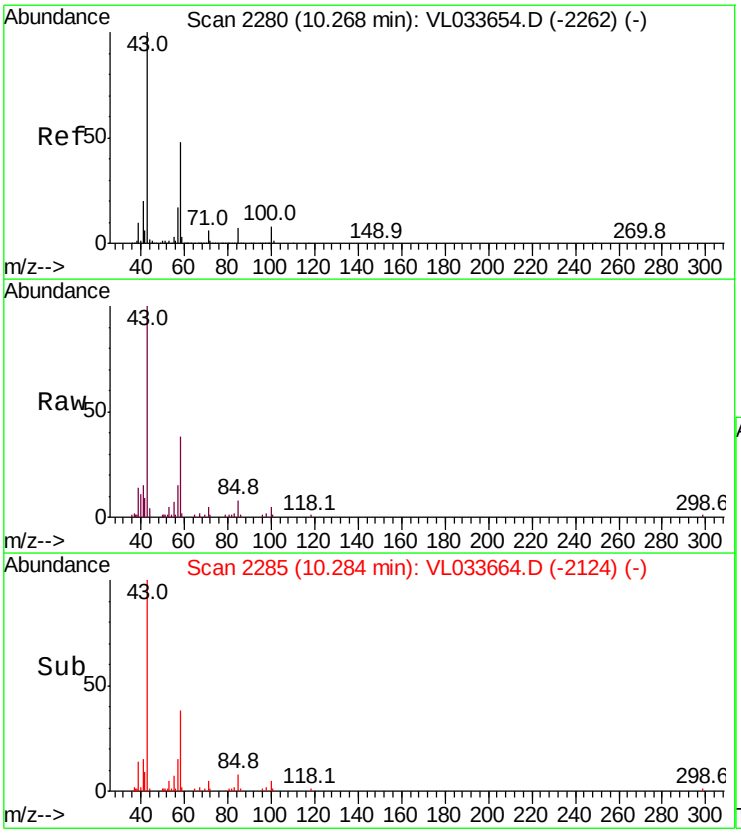
#50
4-Methyl-2-Pentanone
Concen: 0.442 ppbv
RT: 8.89 min Scan# 1850
Delta R.T. 0.02 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 102500

Ion	Ratio	Lower	Upper
43	100		
58	32.2	28.8	43.2

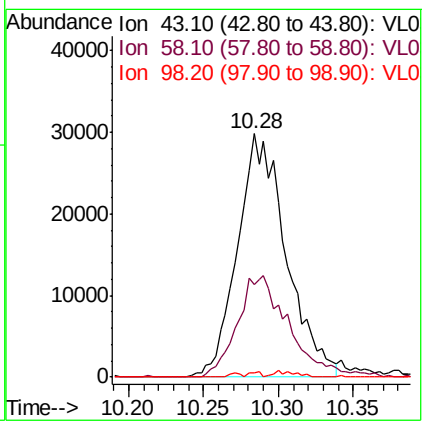


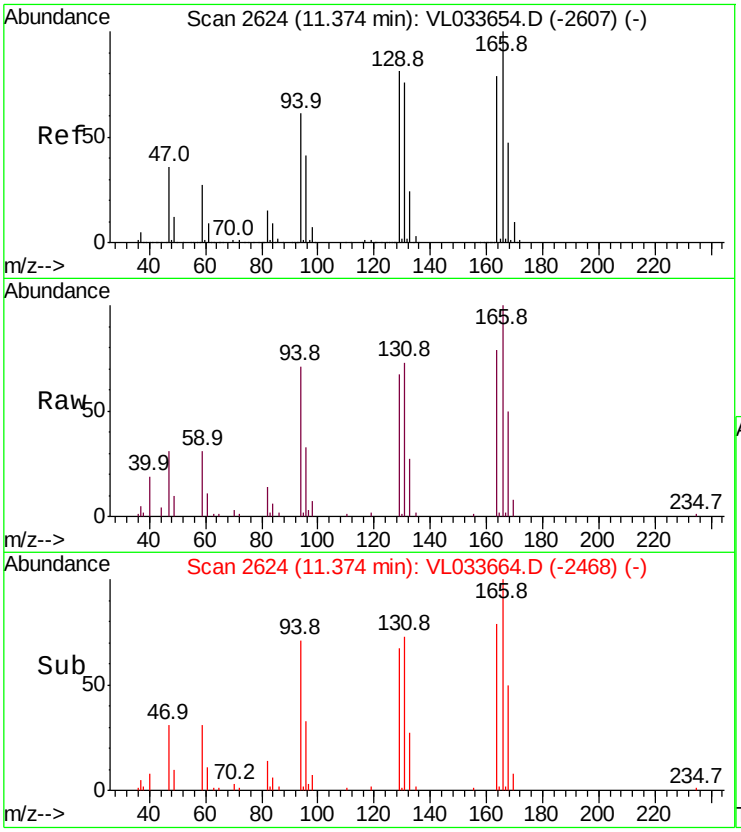


#51
2-Hexanone
Concen: 0.376 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.02 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 43 Resp: 67521

Ion	Ratio	Lower	Upper
43	100		
58	44.2	38.2	57.4
98	0.8	0.2	0.4#



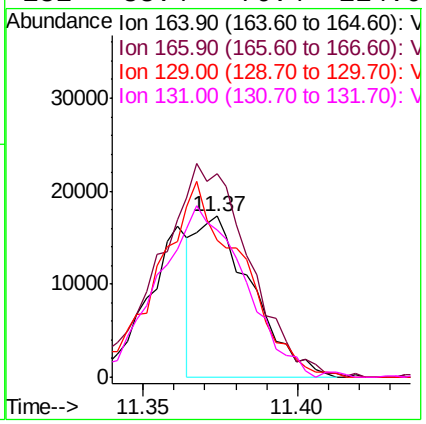


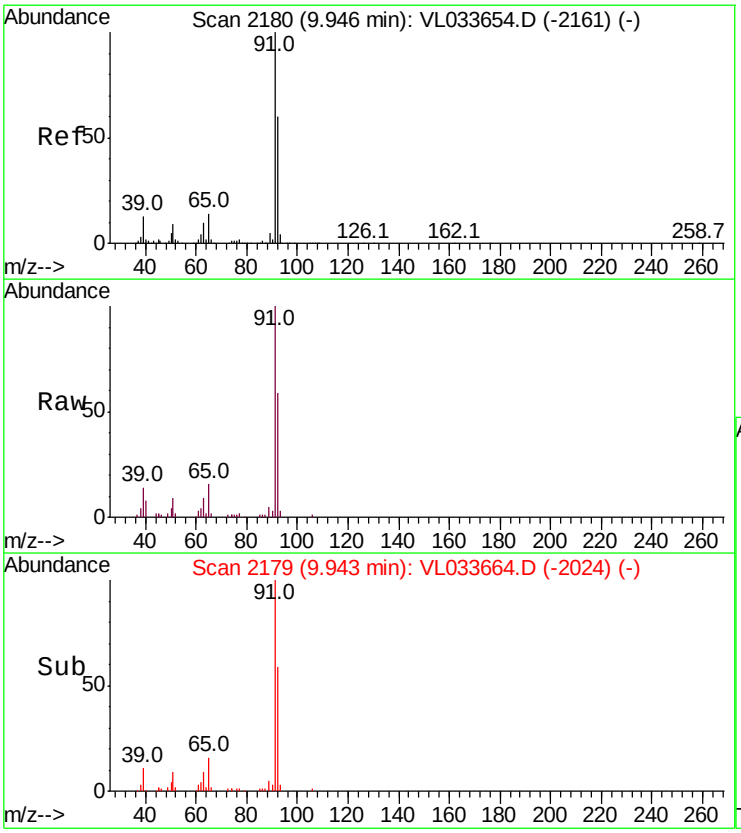
#52
Tetrachloroethene
Concen: 0.291 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 22156

Ion	Ratio	Lower	Upper
164	100		
166	126.2	100.6	151.0
129	81.9	81.0	121.6
131	88.4	76.4	114.6

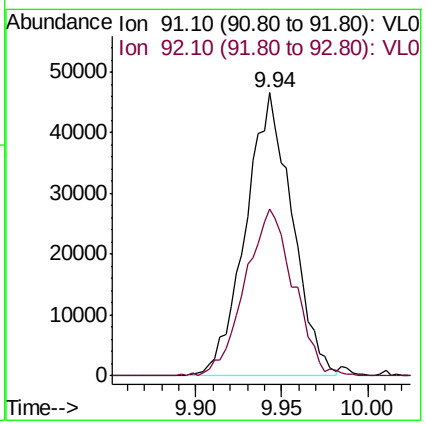


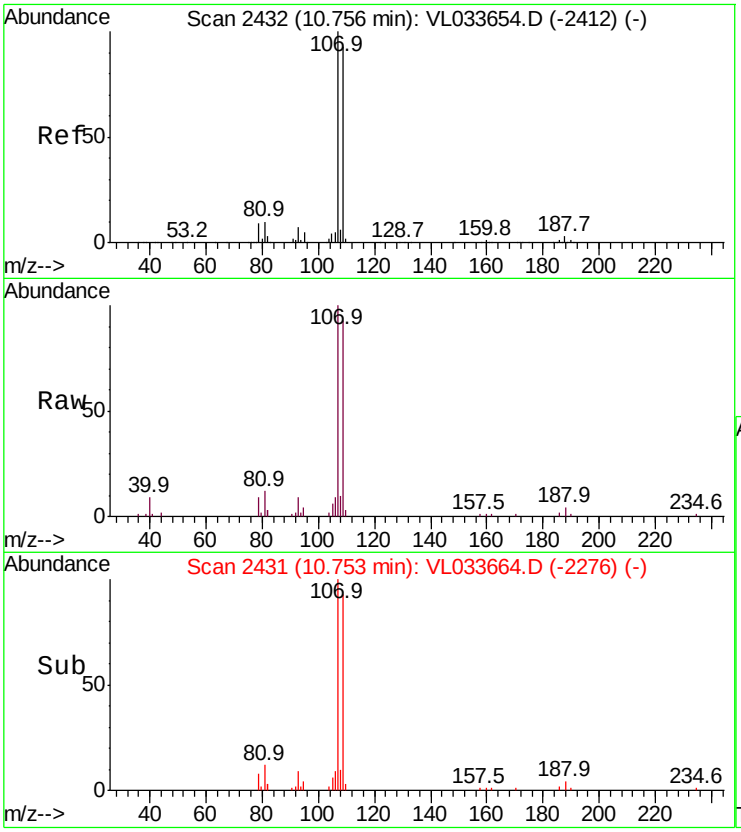


#53
Toluene
Concen: 0.379 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 91 Resp: 87821

Ion	Ratio	Lower	Upper
91	100		
92	61.6	47.7	71.5



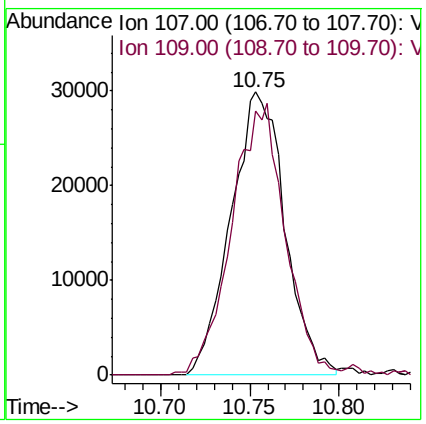


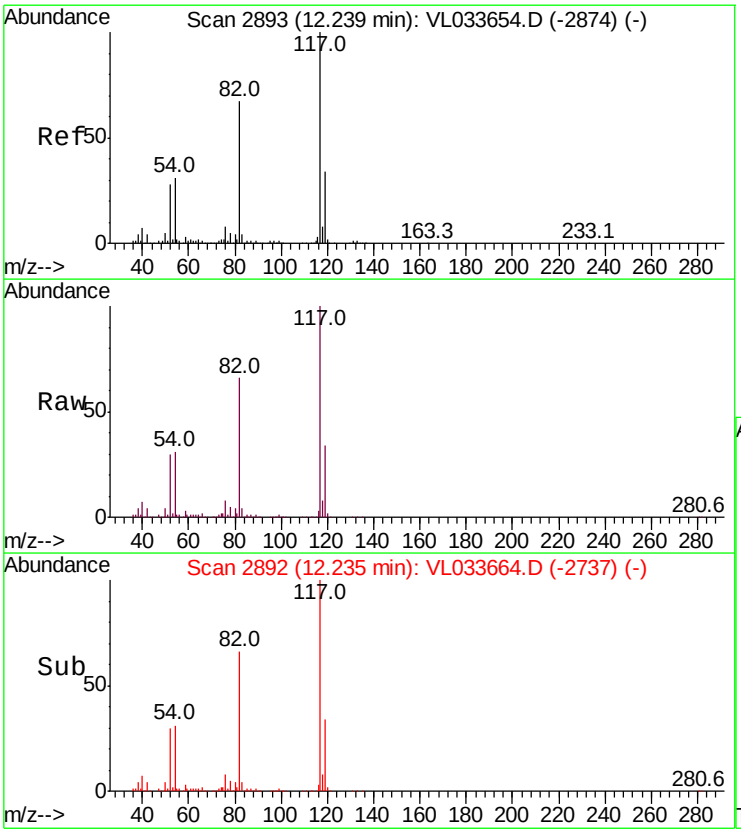
#54
1,2-Dibromoethane
Concen: 0.458 ppbv
RT: 10.75 min Scan# 2431
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:107 Resp: 63324

Ion	Ratio	Lower	Upper
107	100		
109	92.0	74.6	111.8

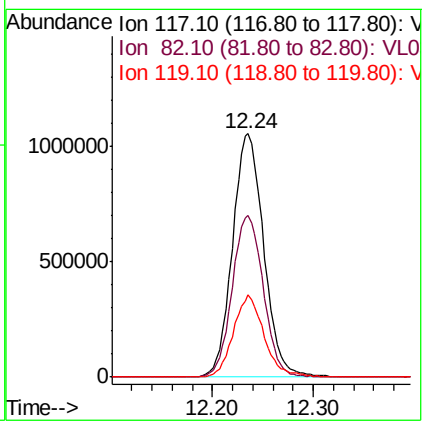


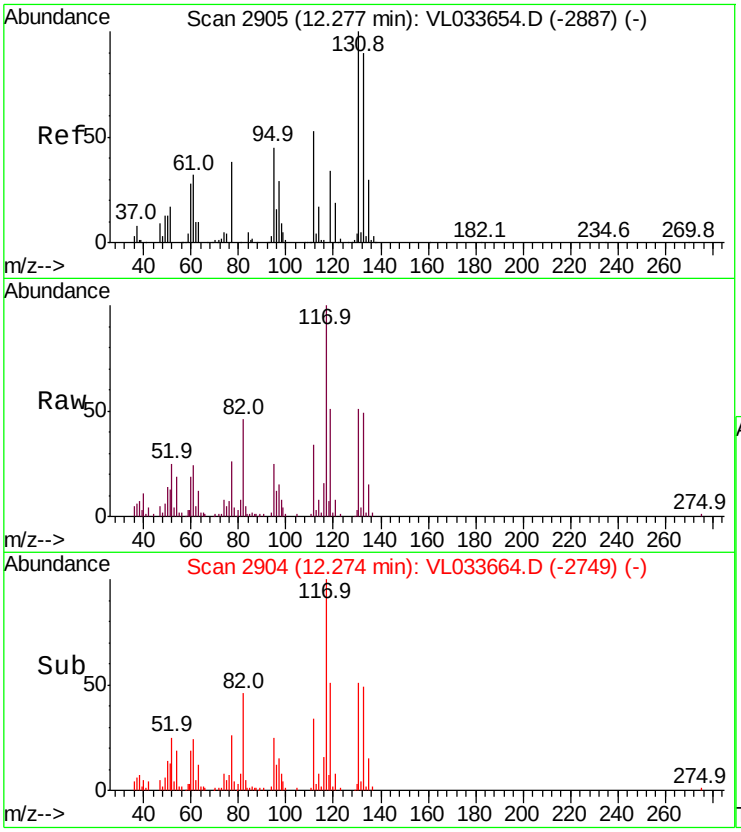


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:117 Resp: 2271468

Ion	Ratio	Lower	Upper
117	100		
82	66.2	49.7	74.5
119	33.4	24.8	37.2



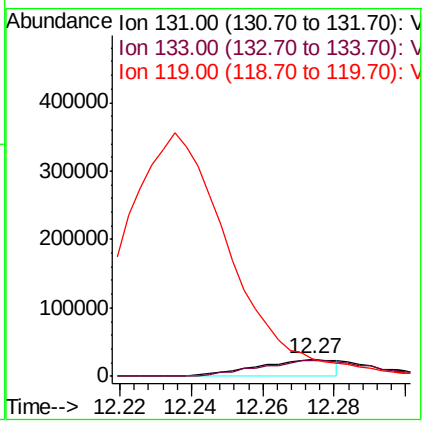


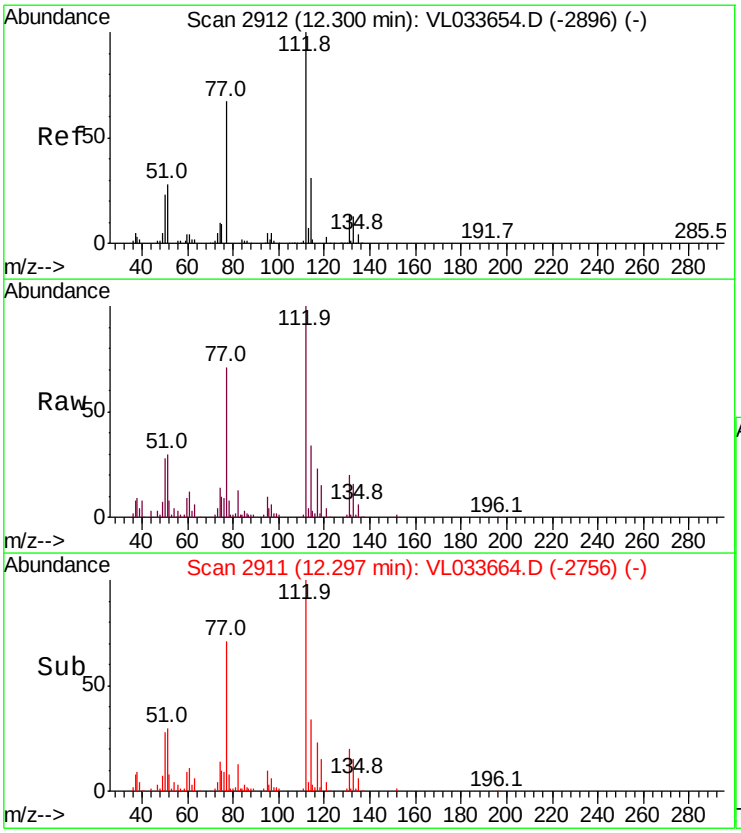
#56
1,1,1,2-Tetrachloroethane
Concen: 0.355 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:131 Resp: 37234

Ion	Ratio	Lower	Upper
131	100		
133	141.9	76.0	114.0#
119	2039.4	45.4	68.2#

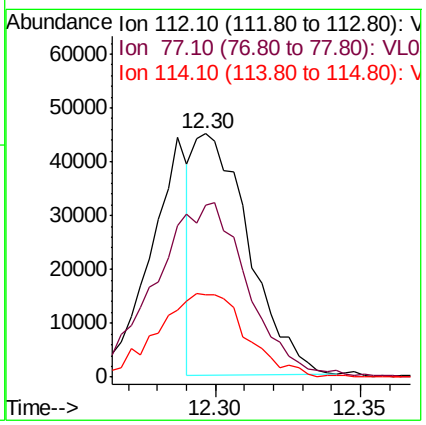


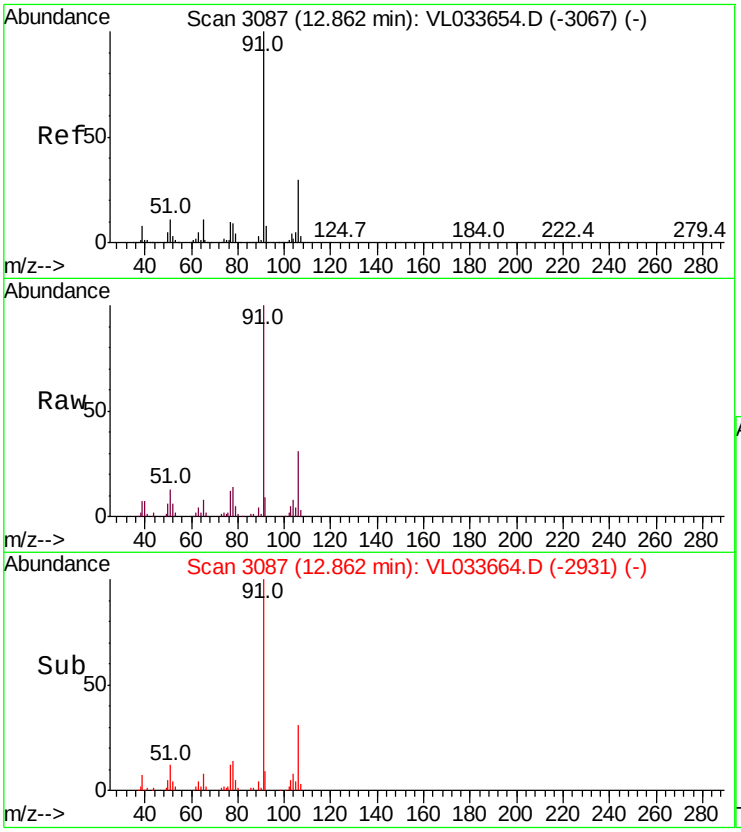


#57
Chlorobenzene
Concen: 0.319 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:112 Resp: 59410

Ion	Ratio	Lower	Upper
112	100		
77	69.0	54.4	81.6
114	36.0	28.2	34.4#



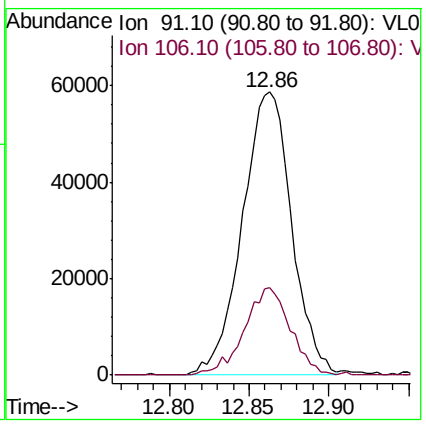


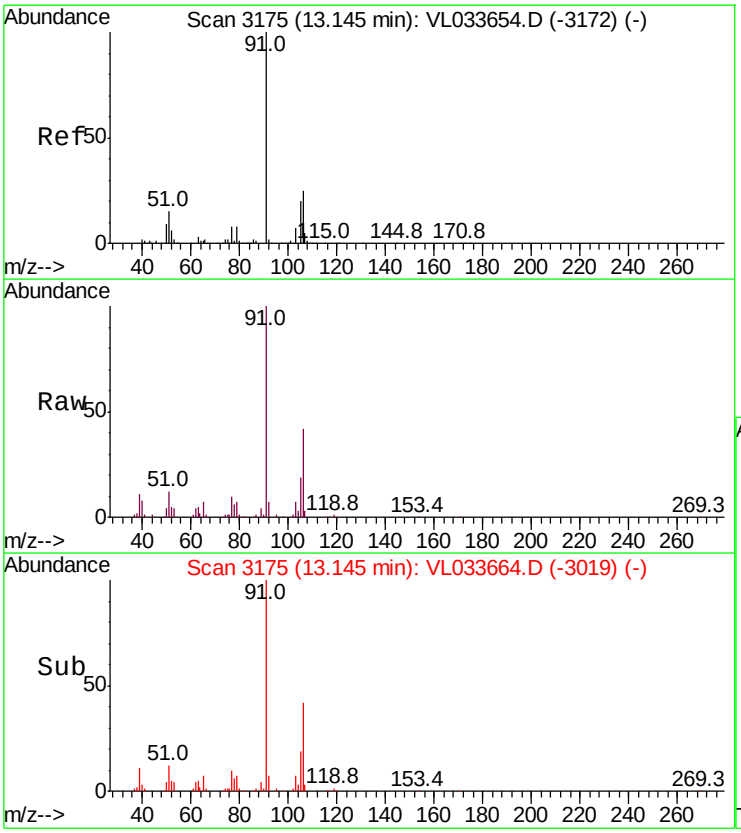
#58
Ethyl Benzene
Concen: 0.419 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 124223

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.7	35.5

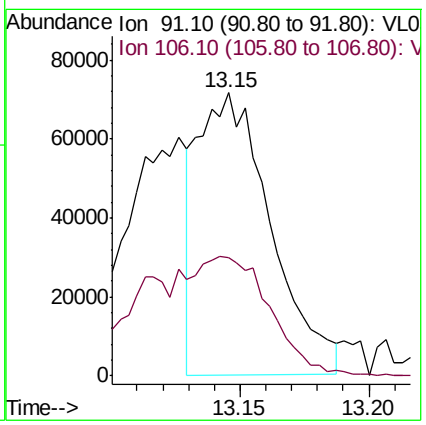


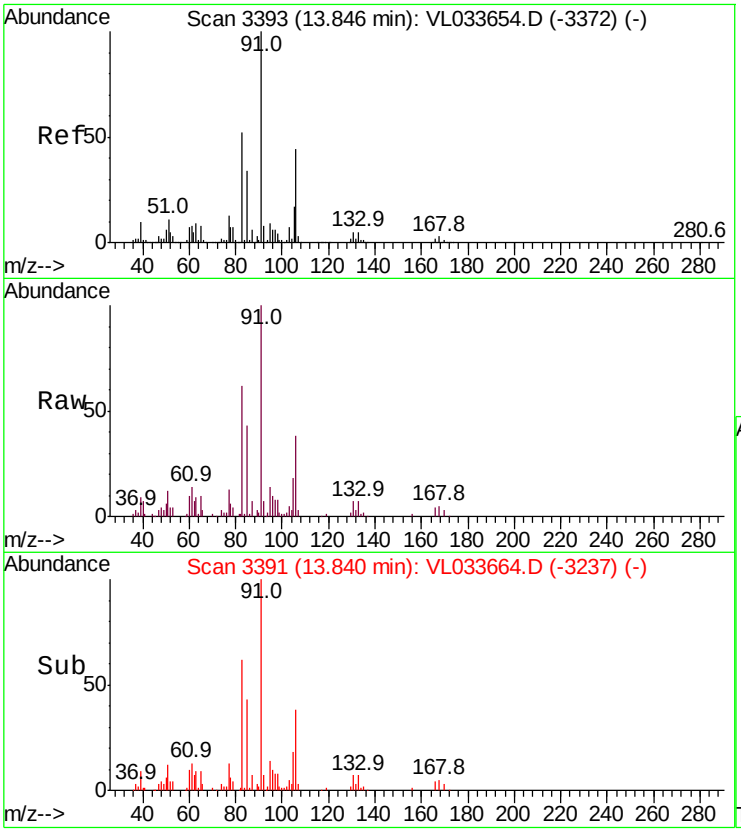


#59
m/p-Xylene
Concen: 0.536 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 91 Resp: 139777

Ion	Ratio	Lower	Upper
91	100		
106	75.1	36.2	54.2#



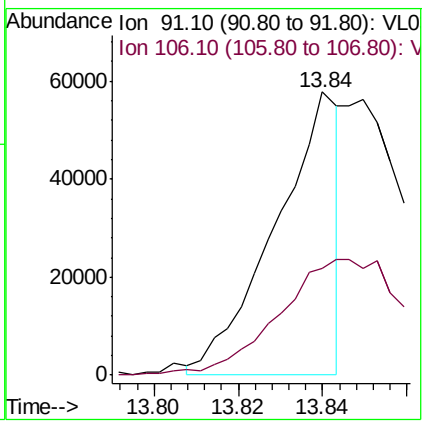


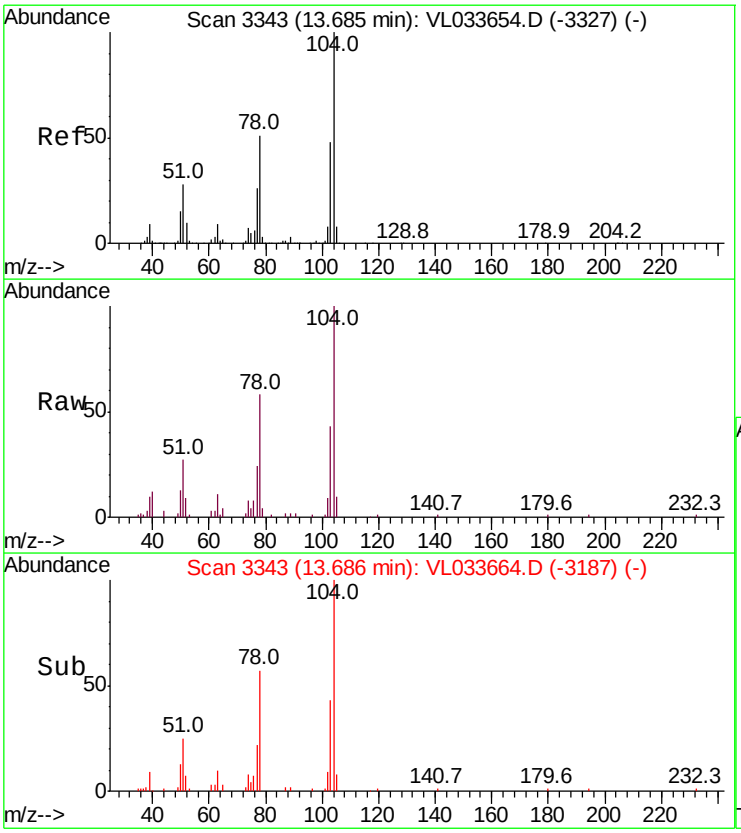
#60
o-Xylene
Concen: 0.229 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 60573

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.7	65.1#

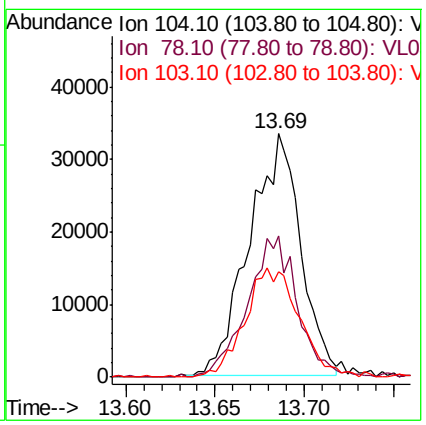


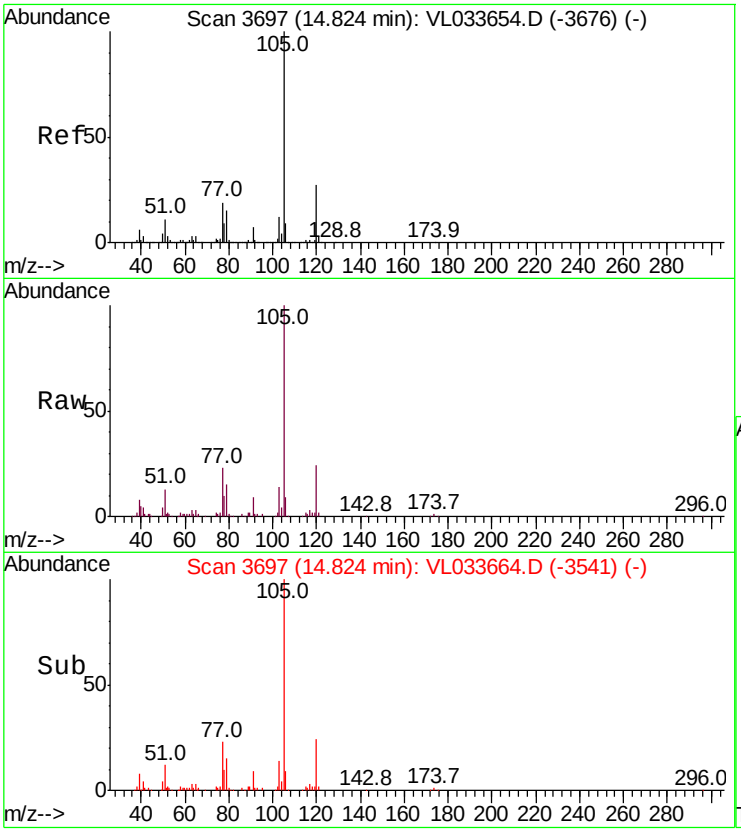


#61
Styrene
Concen: 0.383 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:104 Resp: 67283

Ion	Ratio	Lower	Upper
104	100		
78	56.5	43.0	64.6
103	47.8	38.1	57.1



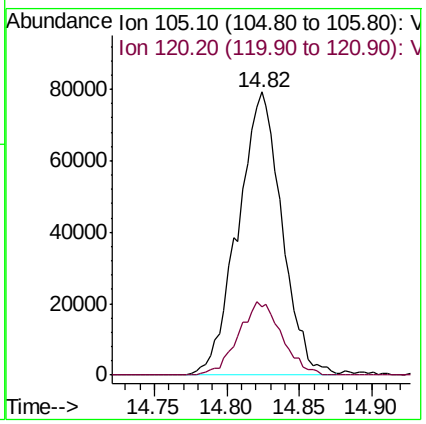


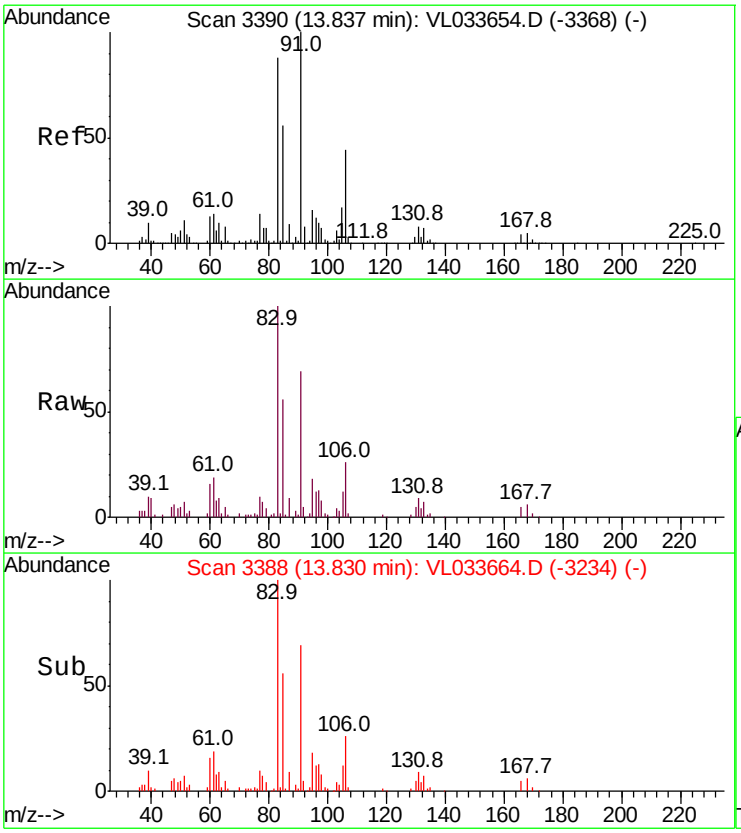
#62
Isopropylbenzene
Concen: 0.462 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 166546

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7

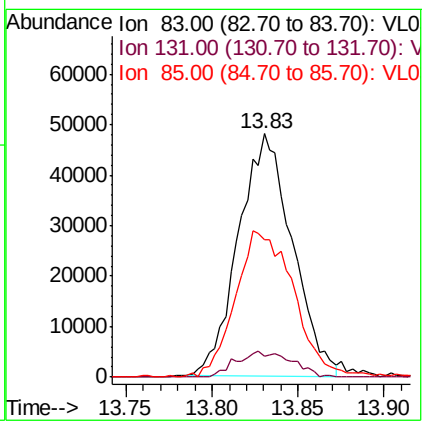


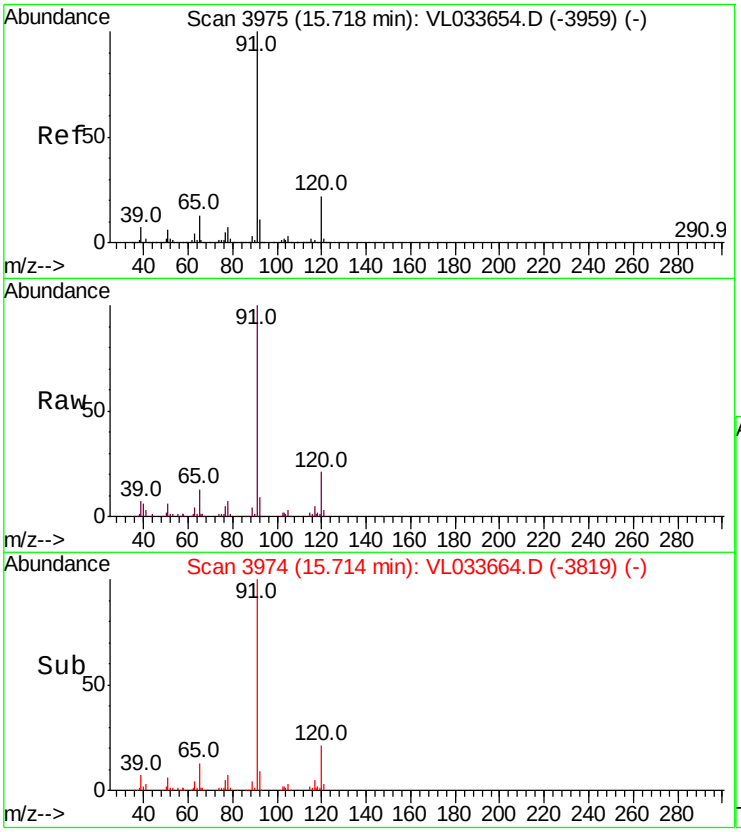


#63
1,1,2,2-Tetrachloroethane
Concen: 0.544 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 83 Resp: 104558

Ion	Ratio	Lower	Upper
83	100		
131	11.0	4.8	14.3
85	66.0	32.5	97.4



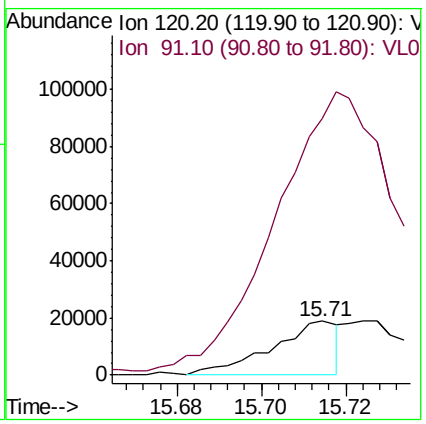


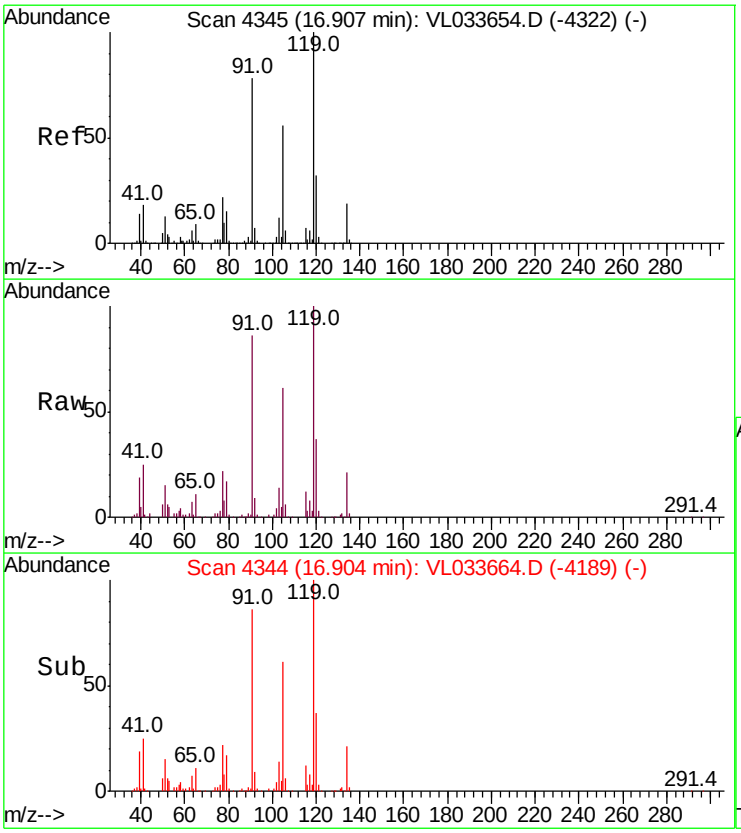
#64
n-propylbenzene
Concen: 0.224 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 20878

Ion	Ratio	Lower	Upper
120	100		
91	1019.6	379.0	568.6#

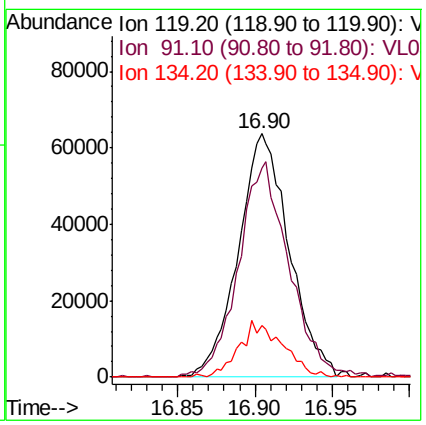


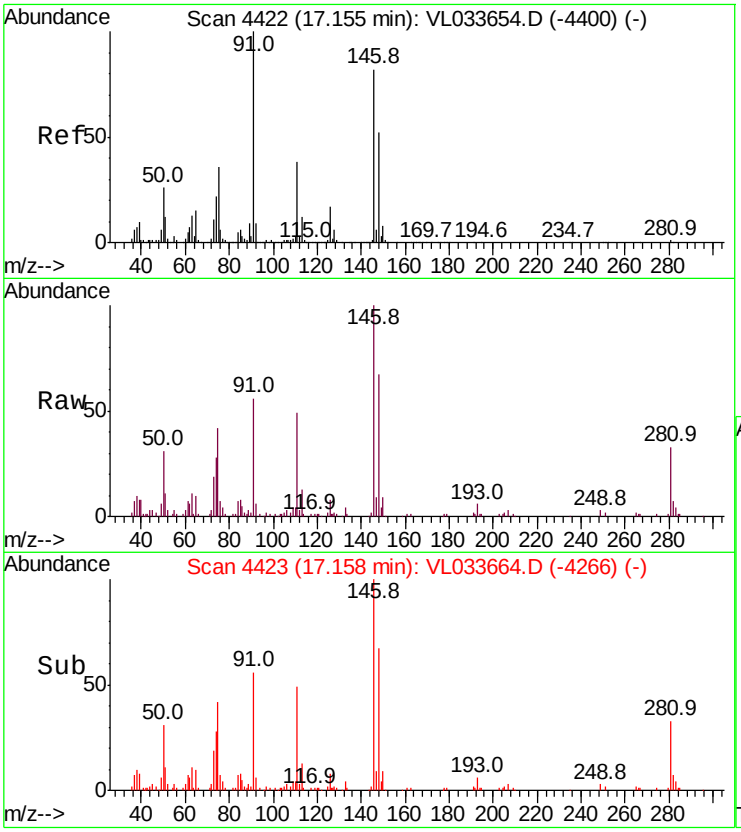


#65
tert-Butylbenzene
Concen: 0.439 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:119 Resp: 145301

Ion	Ratio	Lower	Upper
119	100		
91	89.1	65.9	98.9
134	19.9	15.5	23.3



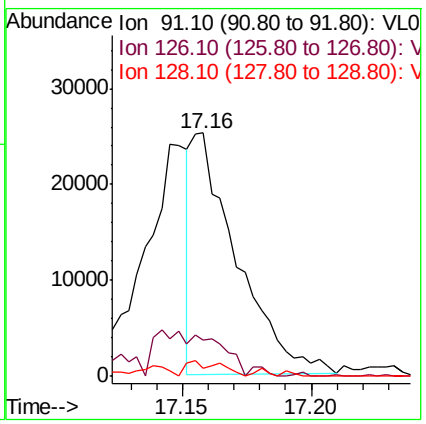


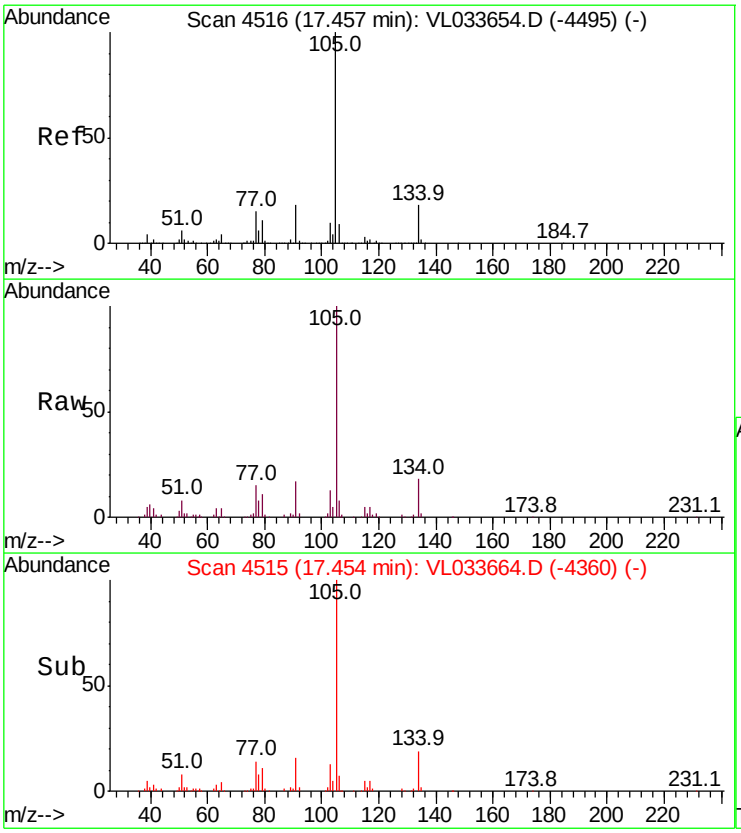
#66
Benzyl Chloride
Concen: 0.202 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 30368

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.4	20.2#
128	9.8	4.4	6.6#

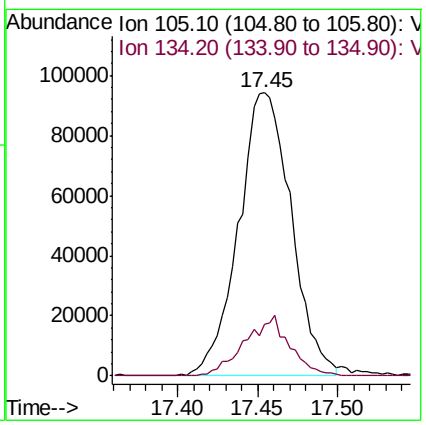


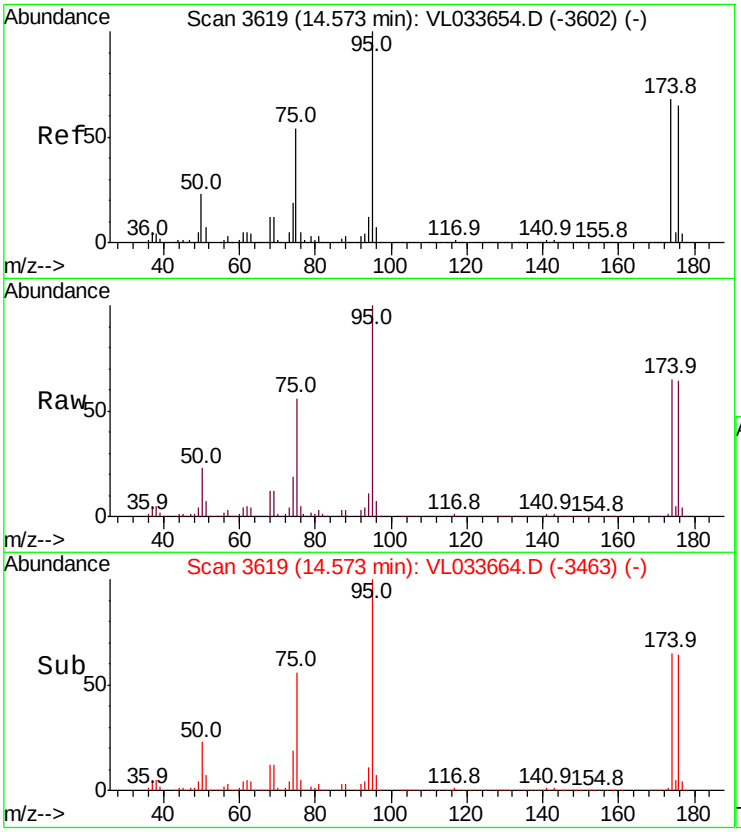


#67
sec-Butylbenzene
Concen: 0.459 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:105 Resp: 211789

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.6	22.0



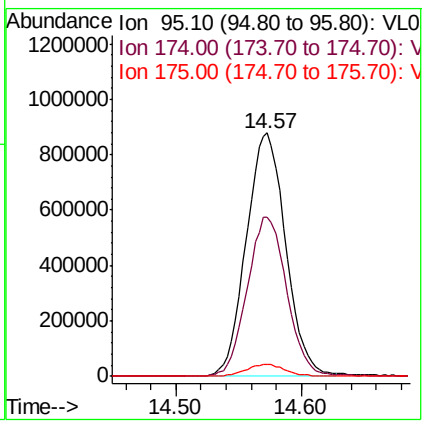


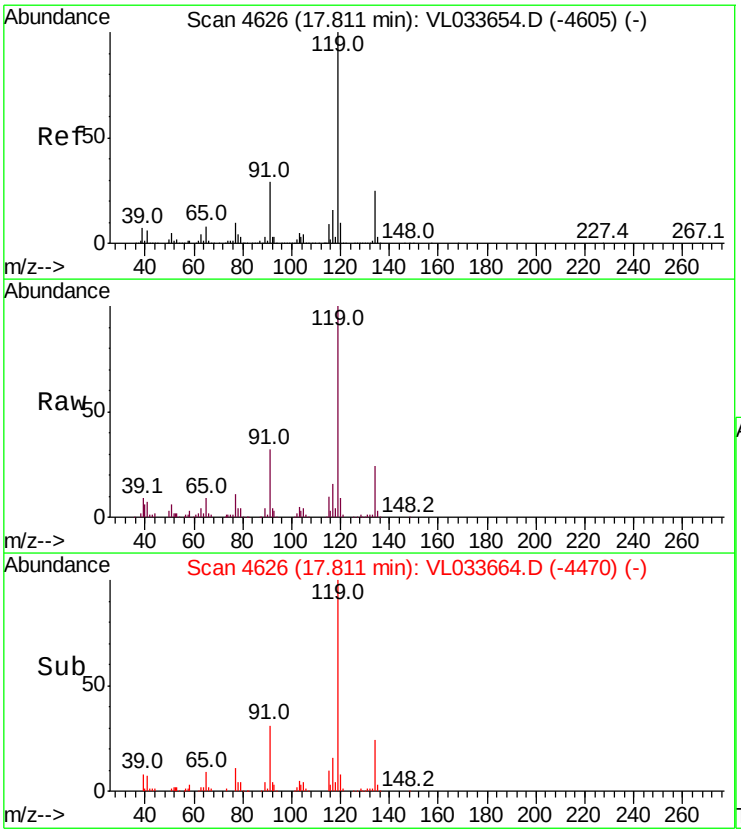
#68
1-Bromo-4-Fluorobenzene
Concen: 10.298 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1917474

Ion	Ratio	Lower	Upper
95	100		
174	66.3	54.0	81.0
175	4.9	3.8	5.8

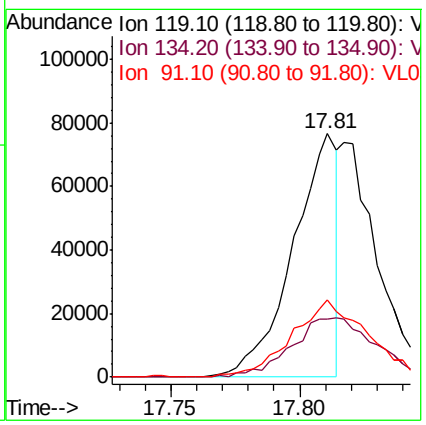


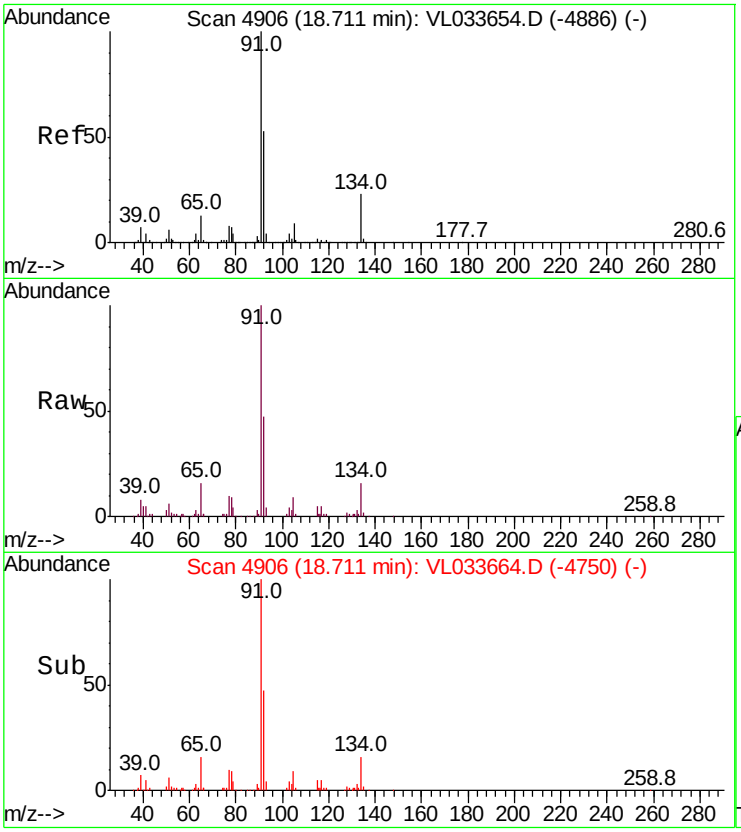


#69
p-Isopropyltoluene
Concen: 0.241 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:119 Resp: 91570

Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.2	30.2#
91	56.6	23.4	35.2#



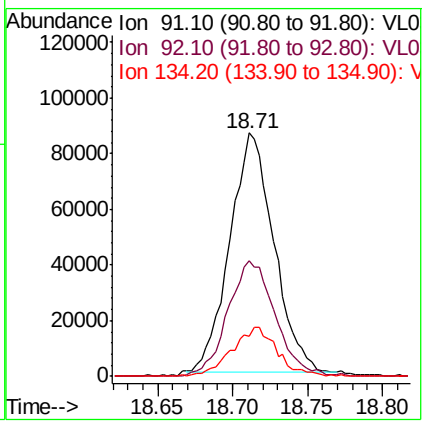


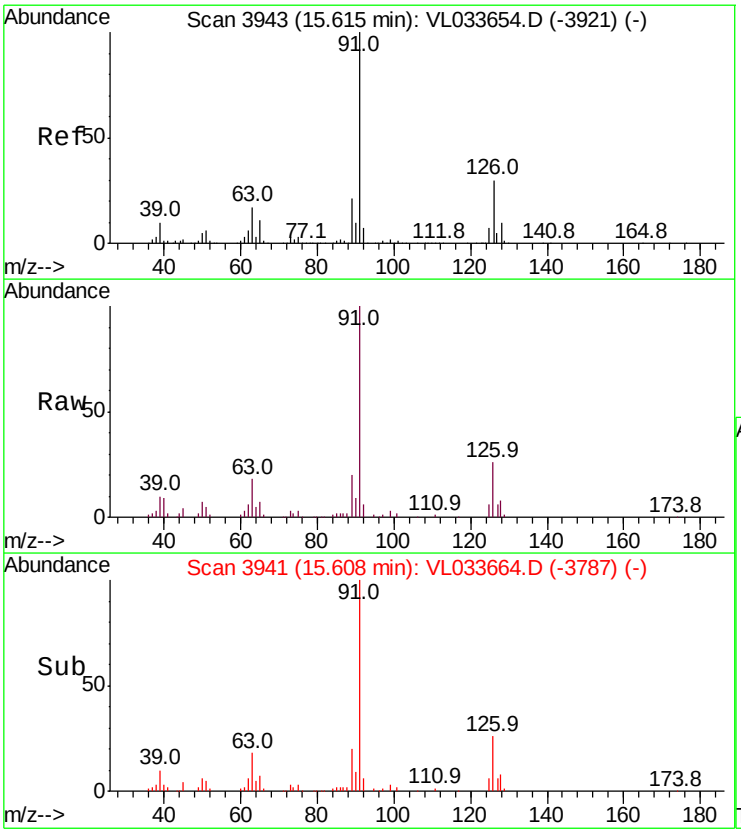
#70
n-Butylbenzene
Concen: 0.438 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 176572

Ion	Ratio	Lower	Upper
91	100		
92	51.9	42.5	63.7
134	21.3	18.0	27.0

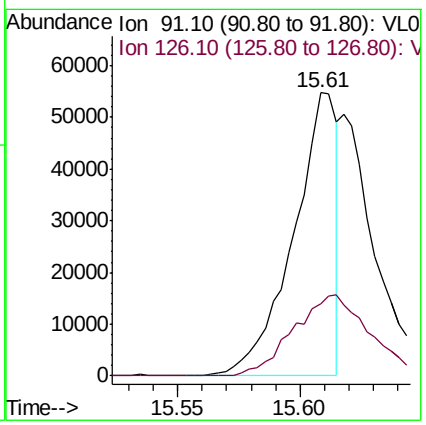


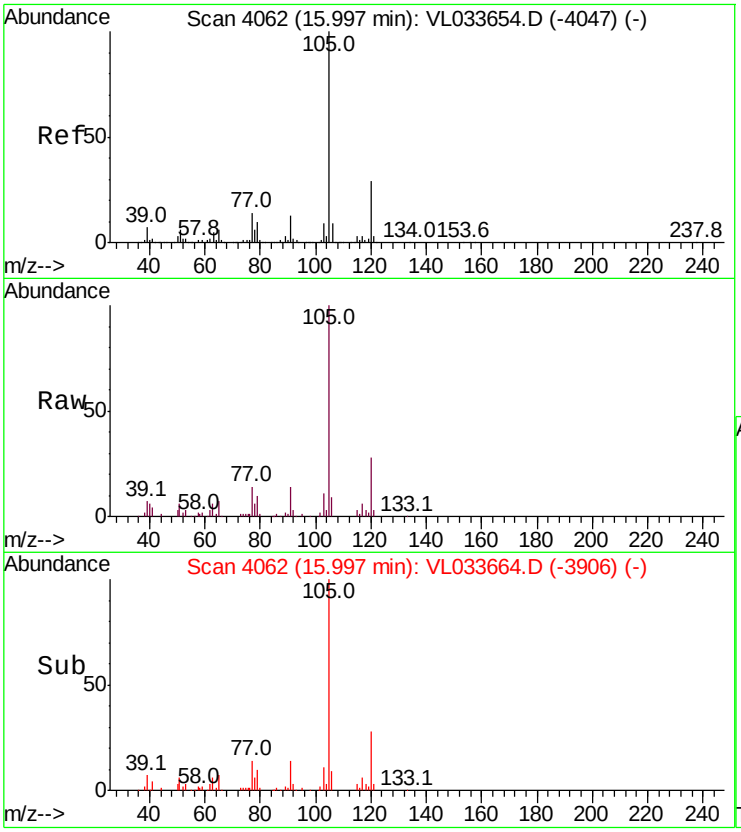


#71
2-Chlorotoluene
Concen: 0.254 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion: 91 Resp: 67664

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.0	47.8#



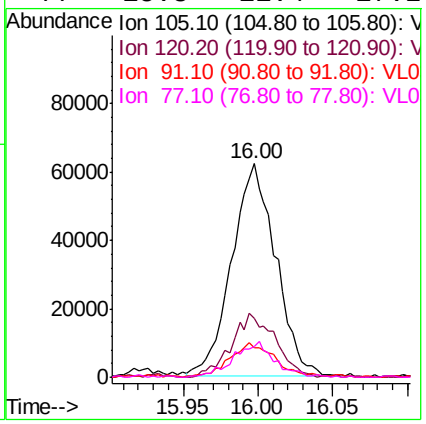


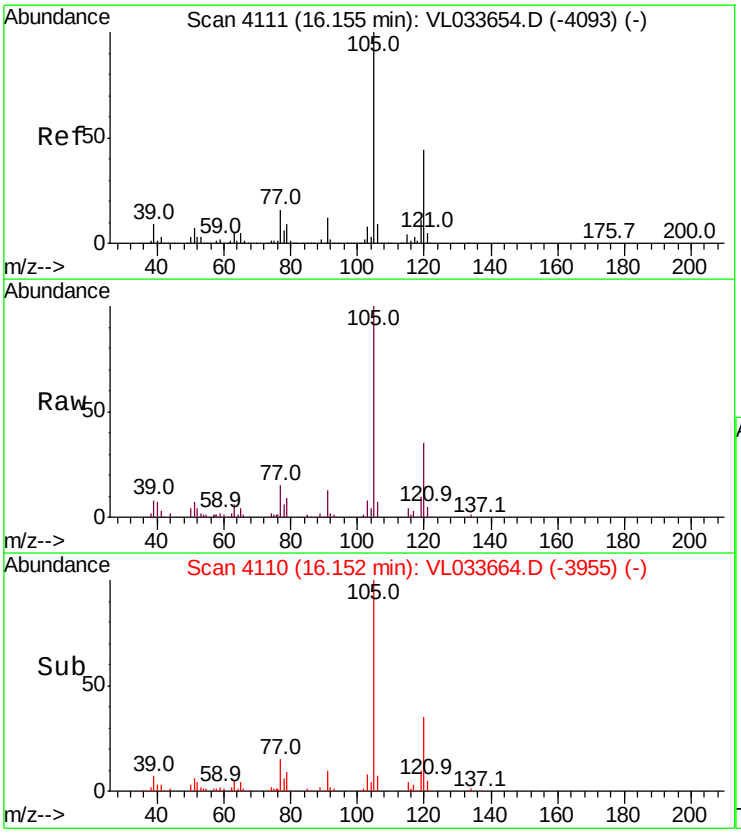
#72
4-Ethyltoluene
Concen: 0.405 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 125694

Ion	Ratio	Lower	Upper
105	100		
120	30.7	23.0	34.6
91	17.5	10.5	15.7#
77	15.8	11.4	17.2

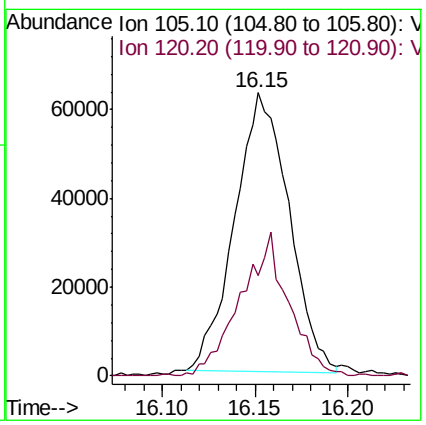


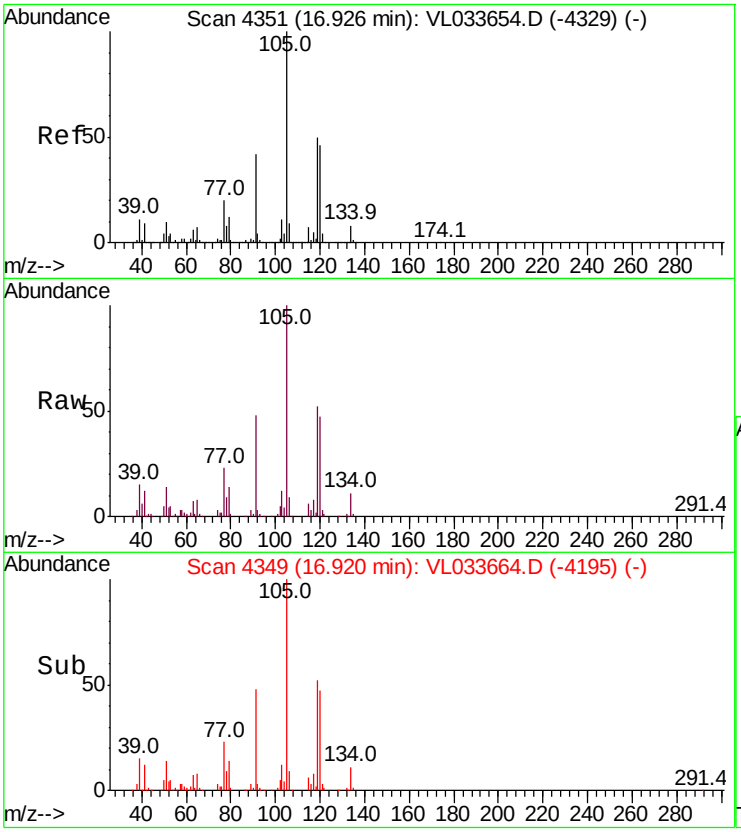


#73
1,3,5-Trimethylbenzene
Concen: 0.425 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:105 Resp: 127657

Ion	Ratio	Lower	Upper
105	100		
120	40.2	35.5	53.3



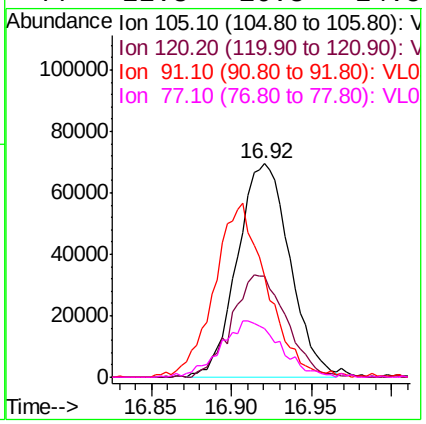


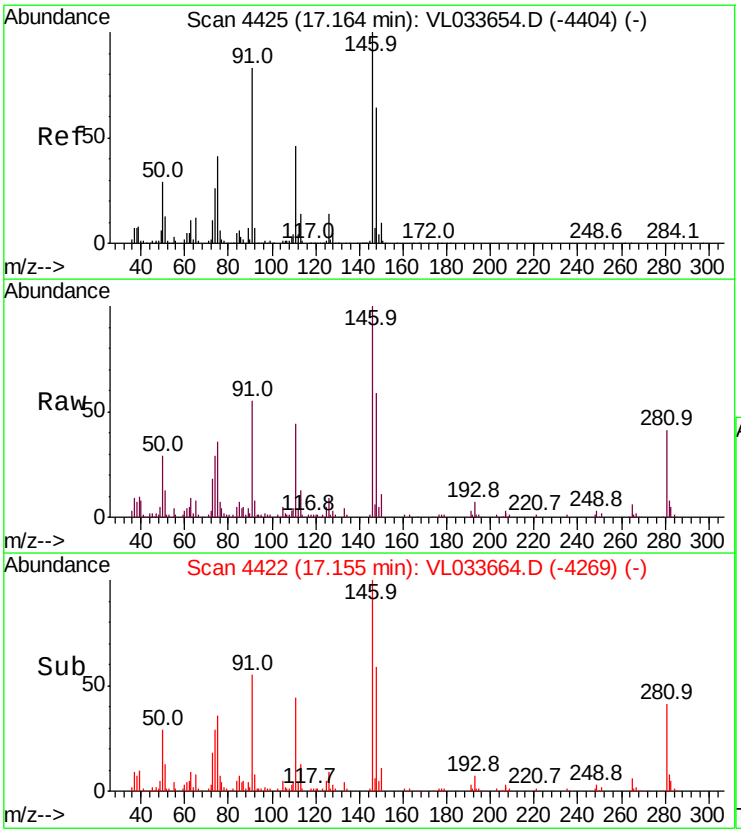
#74
1,2,4-Trimethylbenzene
Concen: 0.468 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 155966

Ion	Ratio	Lower	Upper
105	100		
120	50.4	36.5	54.7
91	49.8	33.7	50.5
77	22.8	16.3	24.5

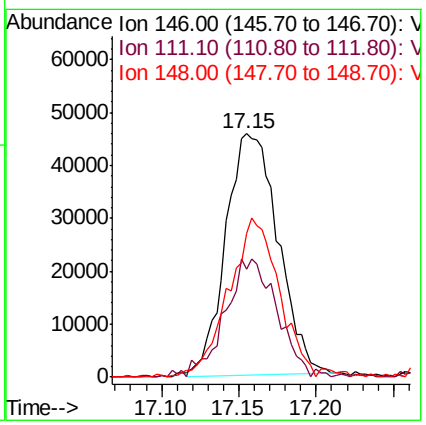


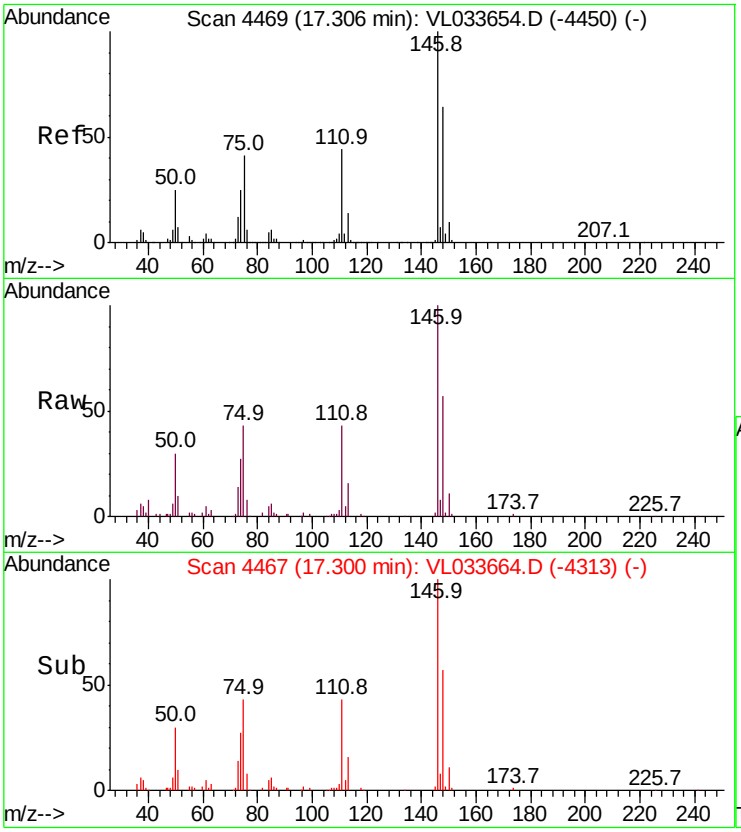


#75
1,3-Dichlorobenzene
Concen: 0.534 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:146 Resp: 107599

Ion	Ratio	Lower	Upper
146	100		
111	49.2	22.6	67.7
148	64.8	31.8	95.4



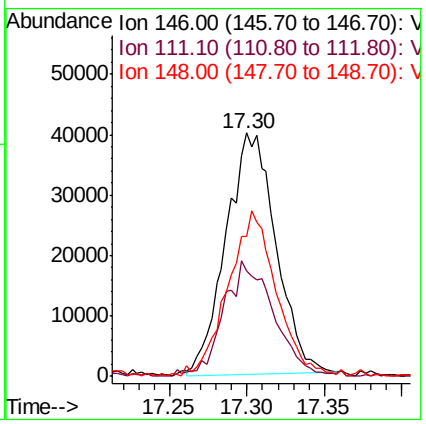


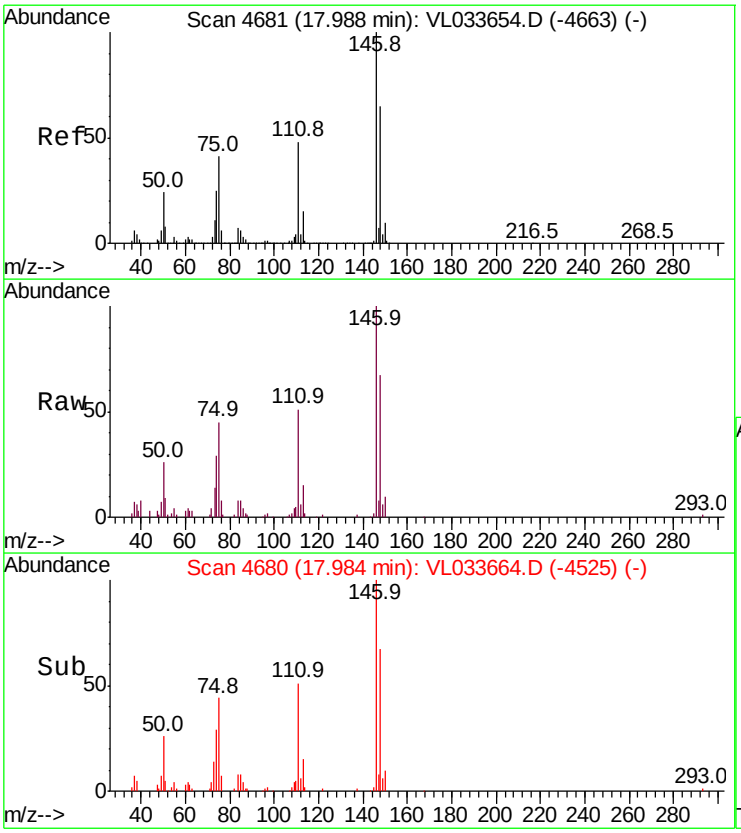
#76
1,4-Dichlorobenzene
Concen: 0.470 ppbv
RT: 17.30 min Scan# 4467
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 89866

Ion	Ratio	Lower	Upper
146	100		
111	48.1	22.0	66.0
148	67.1	32.1	96.5

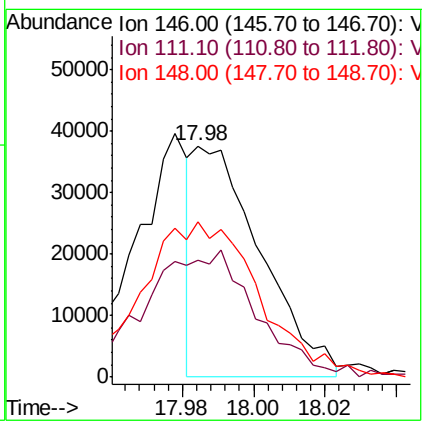


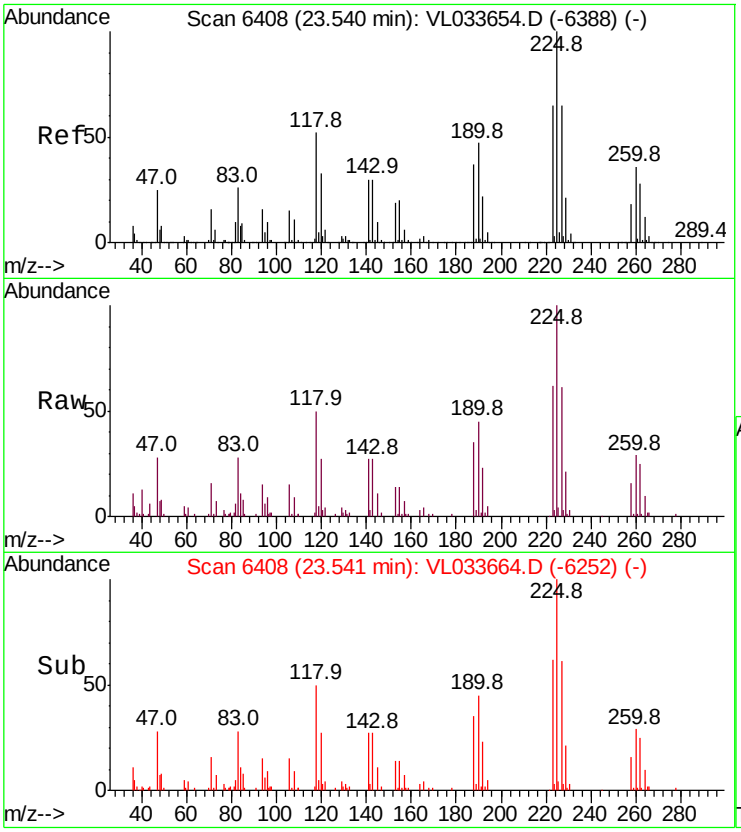


#77
1,2-Dichlorobenzene
Concen: 0.261 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:146 Resp: 48682

Ion	Ratio	Lower	Upper
146	100		
111	95.5	23.4	70.0#
148	122.5	31.9	95.9#



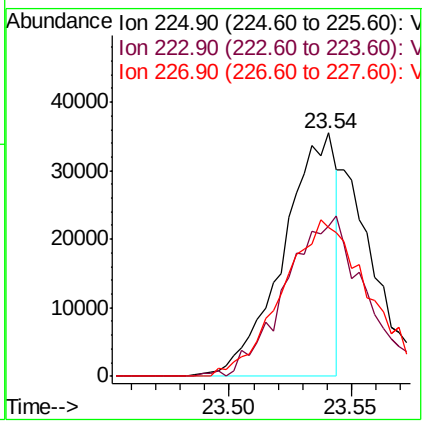


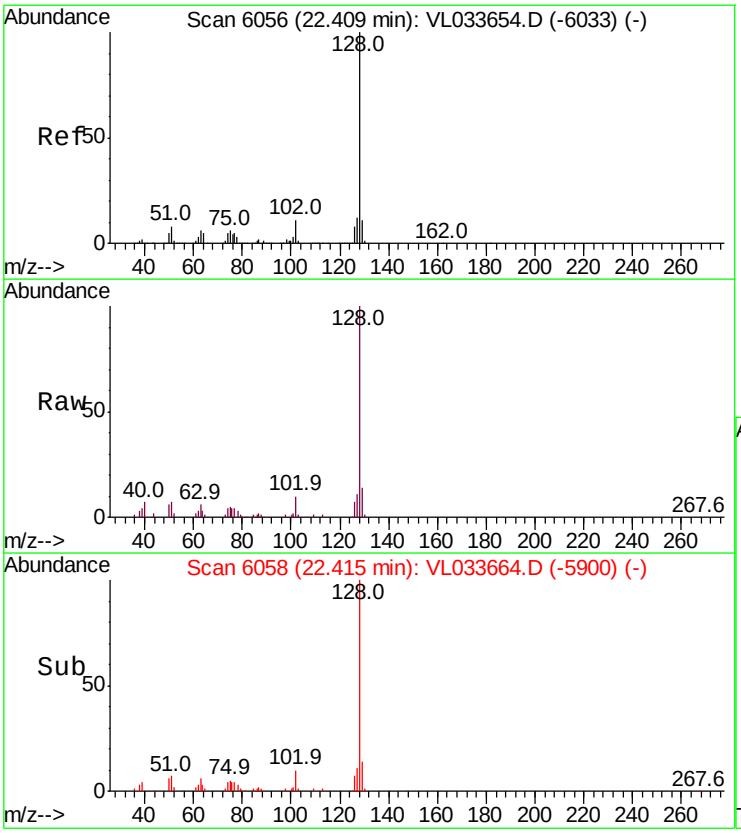
#78
Hexachloro-1,3-Butadiene
Concen: 0.358 ppbv
RT: 23.54 min Scan# 6408
Delta R.T. 0.00 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:225 Resp: 52955

Ion	Ratio	Lower	Upper
225	100		
223	99.5	50.7	76.1#
227	104.9	51.4	77.2#

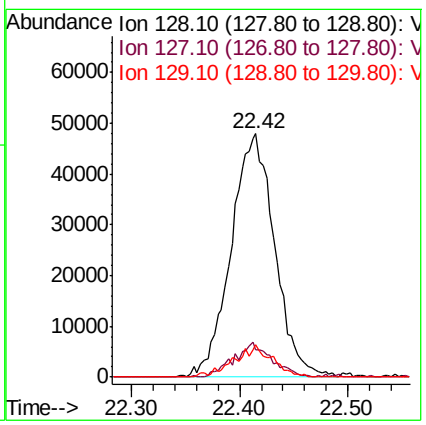


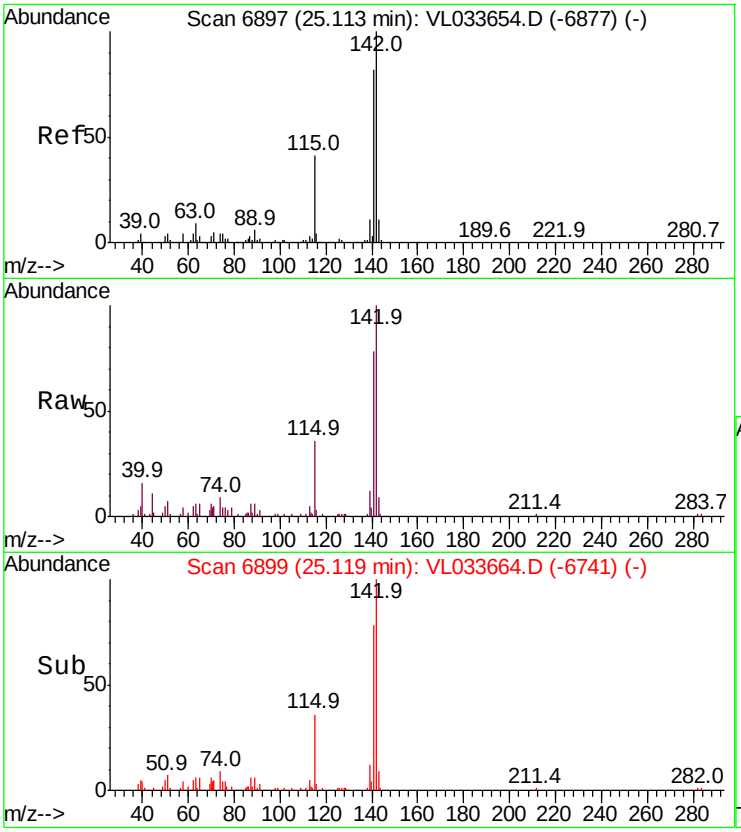


#79
Naphthalene
Concen: 0.443 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. 0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:128 Resp: 134808

Ion	Ratio	Lower	Upper
128	100		
127	11.0	9.8	14.8
129	13.5	8.8	13.2#



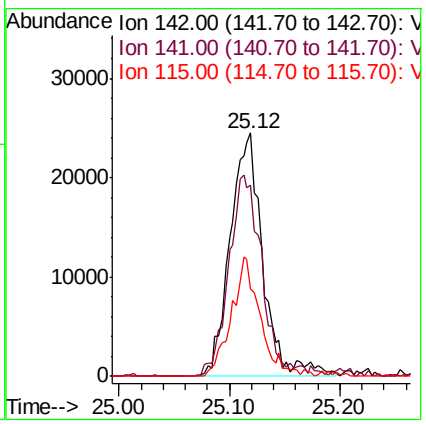


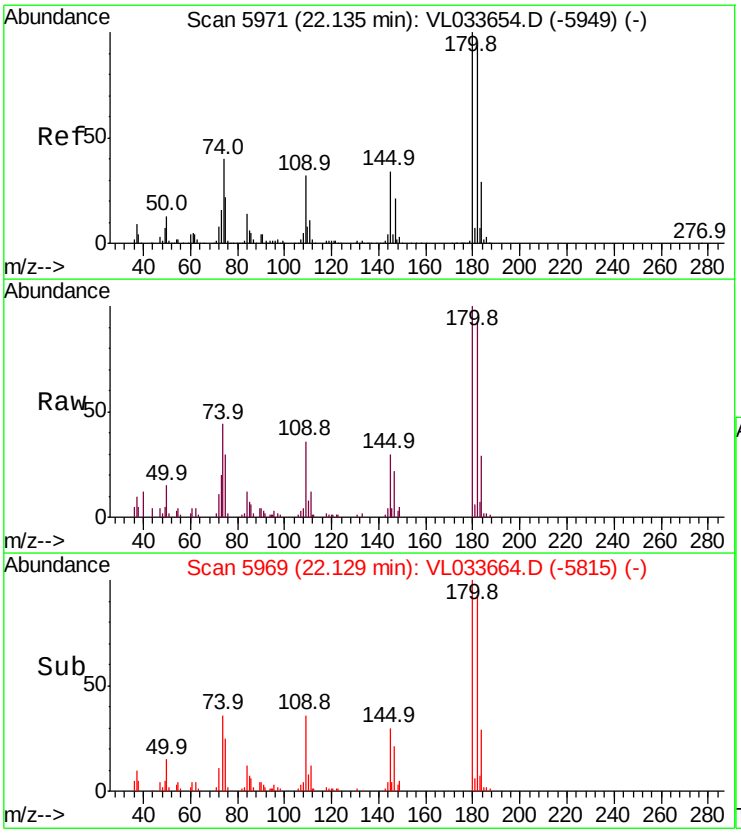
#80
Naphthalene,2-methyl-
Concen: 0.436 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 50181

Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.9	101.9
115	43.9	34.2	51.4





#81
1,2,4-Trichlorobenzene
Concen: 0.090 ppbv
RT: 22.13 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL033664.D
Acq: 6 May 2019 18:30

Tgt Ion:180 Resp: 15899

Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.4	116.0#
184	0.0	24.6	36.8#