Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\

Quantitation Report (Not Reviewed)

Data File : VL033843.D
Acq On : 29 May 2019 19:29
Operator : SY/AP
Sample : VL0529ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Quant Time: May 30 02:11:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	742504	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1814956	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1846686	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1489575	9.95	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1120922	7.163	ppbv	98
3) Chlorodifluoromethane	3.01	51	923464	10.858	ppbv	99
4) Chloromethane	3.17	50	527331	10.840	ppbv	99
5) Vinyl Chloride	3.29	62	539829	10.894	ppbv	96
6) Bromomethane	3.51	94	333890	11.043	ppbv	98
7) Chloroethane	3.60	64	200405	11.380	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1372419	10.879	ppbv	99
9) Propene	3.03	41	398956	11.028	ppbv	100
10) Heptane	8.24	43	1057694	10.325	ppbv	99
11) Trichlorofluoromethane	4.00	101	1617414	10.830	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1076661	10.324	ppbv	99
13) Ethanol	3.65	45	91700	7.843	ppbv	98
14) Bromoethene	3.78	108	446792	11.653	ppbv	98
15) Acetone	3.89	43	998176	9.689	ppbv	100
16) 1,3-Butadiene	3.36	39	477281	11.634	ppbv	100
17) tert-Butyl alcohol	4.35	59	956254	11.479	ppbv	99
18) 1,1-Dichloroethene	4.35	96	477831	10.855	ppbv	99
19) Isopropyl Alcohol	4.02	45	732645	11.030	ppbv	99
20) Methylene Chloride	4.40	84	404009	10.186	ppbv	98
21) Allyl Chloride	4.47	41	695629	10.826	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	493123	10.929	ppbv	96
23) Vinyl Acetate	5.15	43	1524982	11.227	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1088231	10.539	ppbv	100
25) Ethyl Acetate	5.76	43	1846190	10.202	ppbv	100
26) Hexane	5.77	57	814431	10.468	ppbv	99
27) Carbon Disulfide	4.62	76	1187473	11.125	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1420374	11.199	ppbv	100
29) Chloroform	5.85	83	1489893	10.396	ppbv	100
30) Cyclohexane	7.24	84	723269	11.058	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	842399	10.920	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1457390	10.185	ppbv	99
34) 2-Butanone	5.32	43	1211441	10.768	ppbv	99
35) Carbon Tetrachloride	7.13	117	1644543	11.312	ppbv	97
36) Benzene	7.00	78	1795225	10.874	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1139983	10.704	ppbv	99
38) Trichloroethene	7.96	130	694983	11.344	ppbv	99
39) 1,2-Dichloropropane	7.73	63	634582	10.309	ppbv	97
40) 1,4-Dioxane	7.95	88	271974	10.563	ppbv #	95
41) Tetrahydrofuran	6.15	42	708433	11.239	ppbv	99
42) Bromodichloromethane	7.91	83	1551133	10.639	ppbv	96
43) Methyl Methacrylate	8.13	69	672015	11.060	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\

Quantitation Report (Not Reviewed)

Data File : VL033843.D
Acq On : 29 May 2019 19:29
Operator : SY/AP
Sample : VL0529ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Quant Time: May 30 02:11:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	2887943	10.350	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	916917	11.904	ppbv		98
46) cis-1,3-Dichloropropene	8.83	75	1023198	11.344	ppbv		99
47) 1,1,2-Trichloroethane	9.61	97	704443	10.074	ppbv		99
48) Dibromochloromethane	10.45	129	1335826	11.025	ppbv		99
49) Bromoform	13.20	173	1244389	12.206	ppbv		99
50) 4-Methyl-2-Pentanone	8.86	43	1812901	10.477	ppbv		100
51) 2-Hexanone	10.26	43	1477137	10.938	ppbv	#	99
52) Tetrachloroethene	11.37	164	649373	11.189	ppbv		98
53) Toluene	9.94	91	1964632	11.033	ppbv		100
54) 1,2-Dibromoethane	10.75	107	1140306	10.686	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.27	131	870986	10.193	ppbv		97
57) Chlorobenzene	12.29	112	1515794	9.972	ppbv		98
58) Ethyl Benzene	12.86	91	2888575	11.812	ppbv		99
59) m/p-Xylene	13.15	91	2608599	12.203	ppbv	#	38
60) o-Xylene	13.84	91	2380931	11.048	ppbv		99
61) Styrene	13.68	104	1839119	12.676	ppbv		99
62) Isopropylbenzene	14.82	105	3228811	11.126	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1648029	10.516	ppbv		99
64) n-propylbenzene	15.72	120	866181	11.539	ppbv		96
65) tert-Butylbenzene	16.90	119	3071450	11.592	ppbv		99
66) Benzyl Chloride	17.15	91	1515639	12.010	ppbv		99
67) sec-Butylbenzene	17.45	105	4123983	11.120	ppbv		100
69) p-Isopropyltoluene	17.81	119	3489379	11.384	ppbv		100
70) n-Butylbenzene	18.71	91	3598991	10.949	ppbv		99
71) 2-Chlorotoluene	15.61	91	2519000	11.699	ppbv		99
72) 4-Ethyltoluene	15.99	105	2953779	11.988	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	2835238	11.794	ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	2982040	11.398	ppbv		98
75) 1,3-Dichlorobenzene	17.16	146	1681177	10.486	ppbv		100
76) 1,4-Dichlorobenzene	17.30	146	1637898	10.749	ppbv		100
77) 1,2-Dichlorobenzene	17.98	146	1592143	10.569	ppbv		100
78) Hexachloro-1,3-Butadiene	23.53	225	945705	8.303	ppbv		100
79) Naphthalene	22.40	128	2096007	8.625	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	618792	6.701	ppbv		96
81) 1,2,4-Trichlorobenzene	22.13	180	1229199	8.638	ppbv		100

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

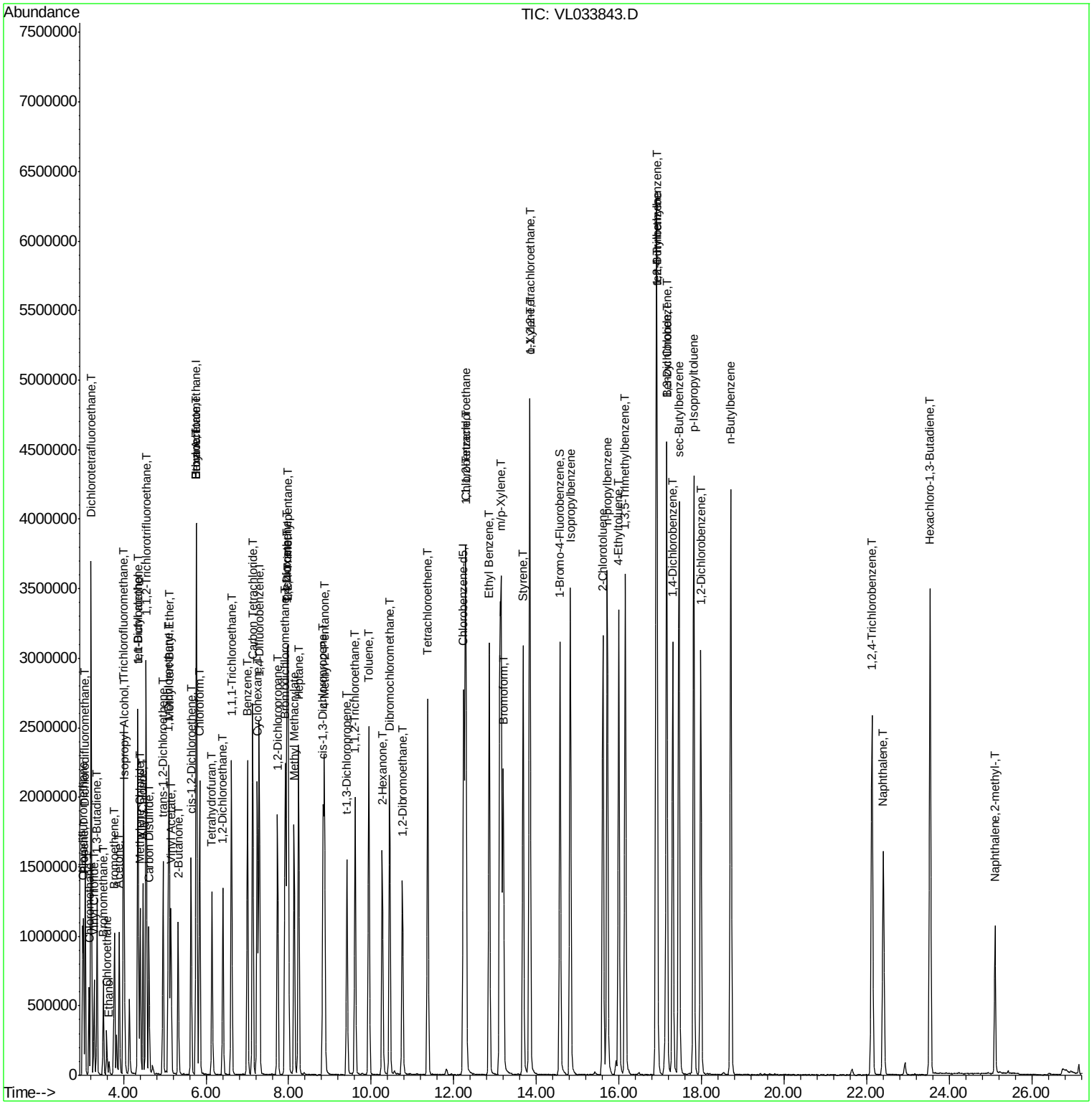
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\

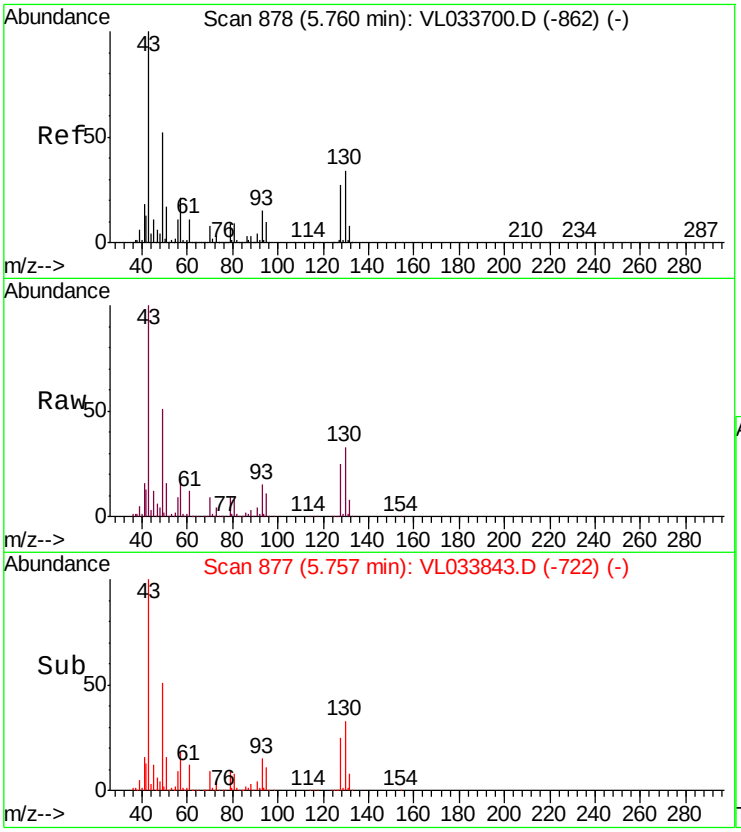
Quantitation Report (Not Reviewed)

Data File : VL033843.D
Acq On : 29 May 2019 19:29
Operator : SY/AP
Sample : VL0529ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Quant Time: May 30 02:11:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



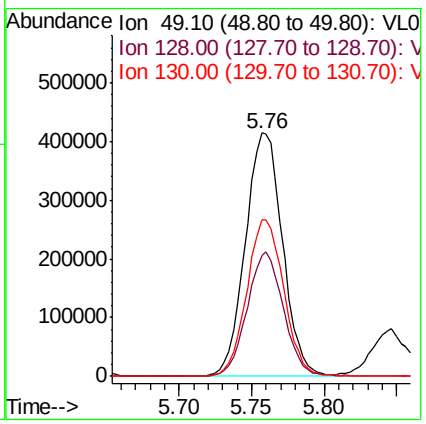


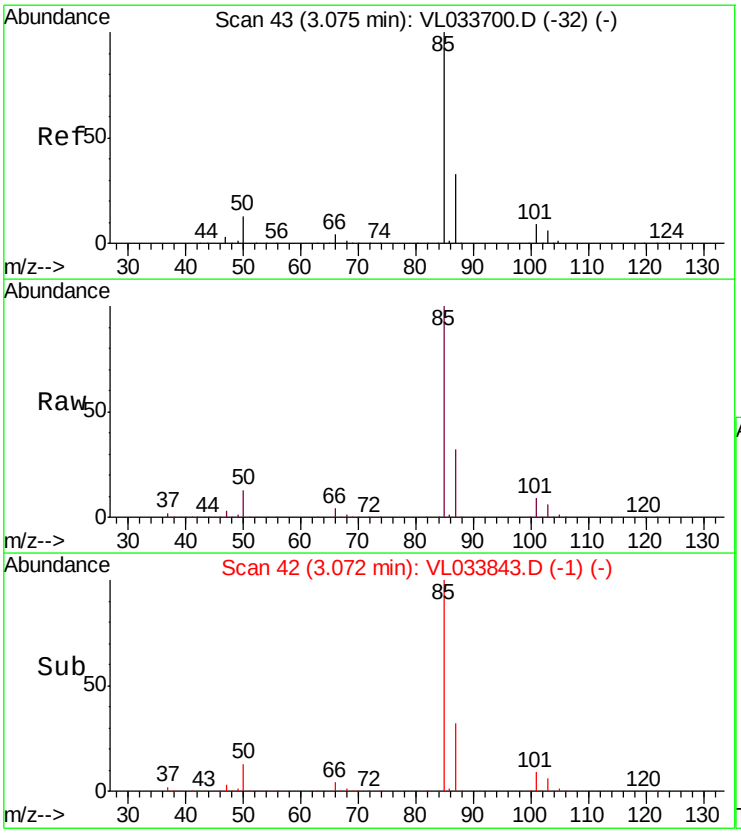
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 49 Resp: 742504

Ion	Ratio	Lower	Upper
49	100		
128	49.7	25.2	75.6
130	64.0	32.5	97.5

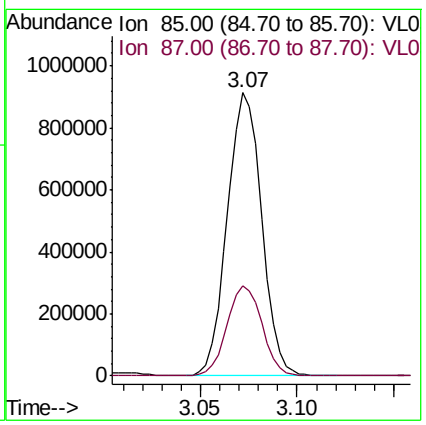


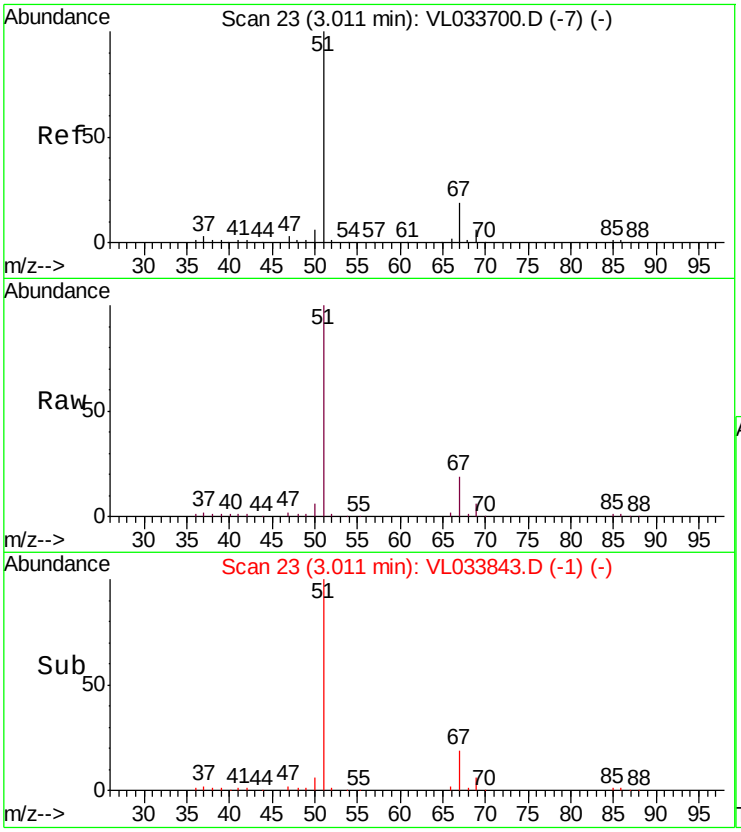


#2
Dichlorodifluoromethane
Concen: 7.163 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 85 Resp: 1120922

Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.3	39.5



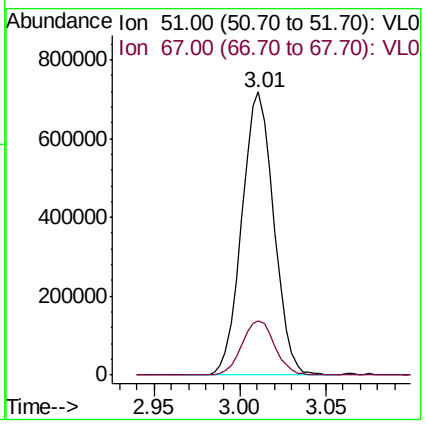


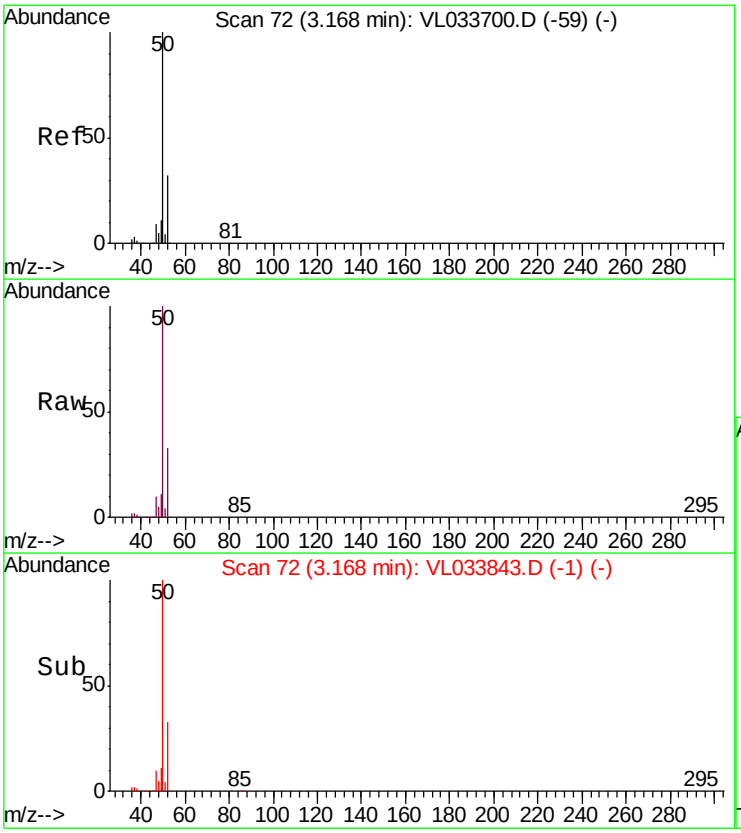
#3
Chlorodifluoromethane
Concen: 10.858 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 51 Resp: 923464

Ion	Ratio	Lower	Upper
51	100		
67	19.8	15.6	23.4

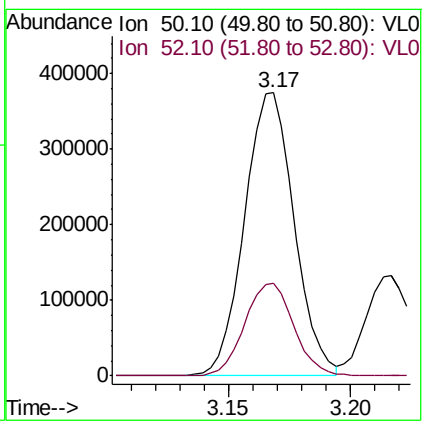


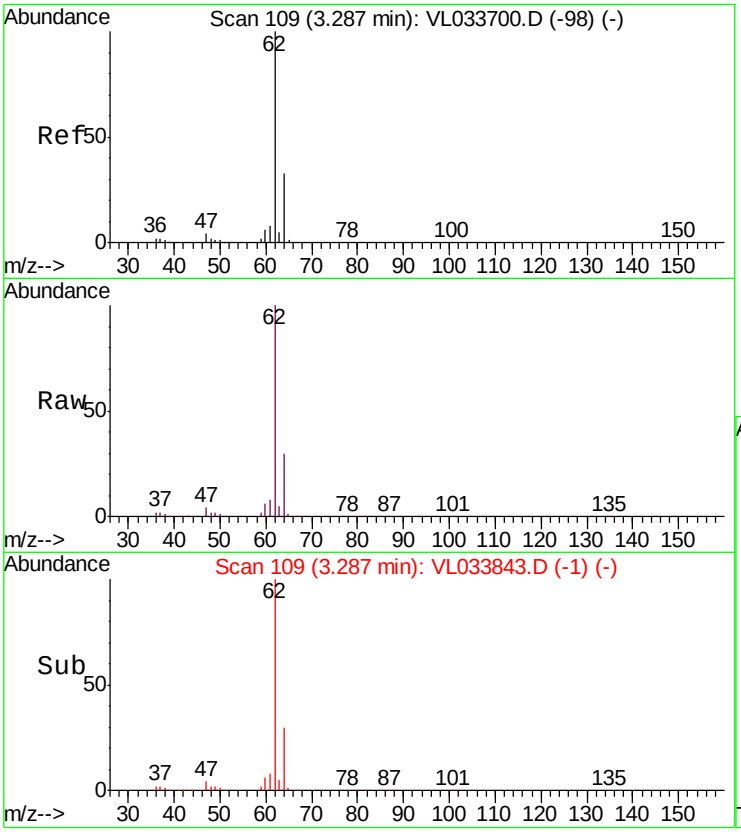


#4
Chloromethane
Concen: 10.840 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 50 Resp: 527331

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.7	38.5



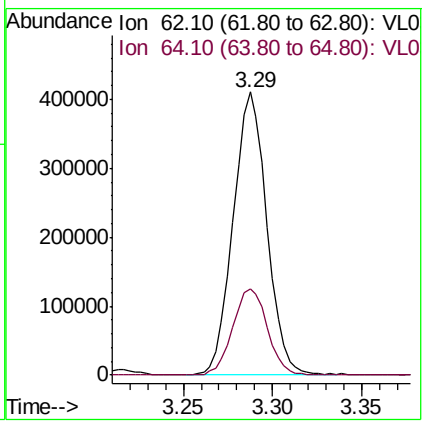


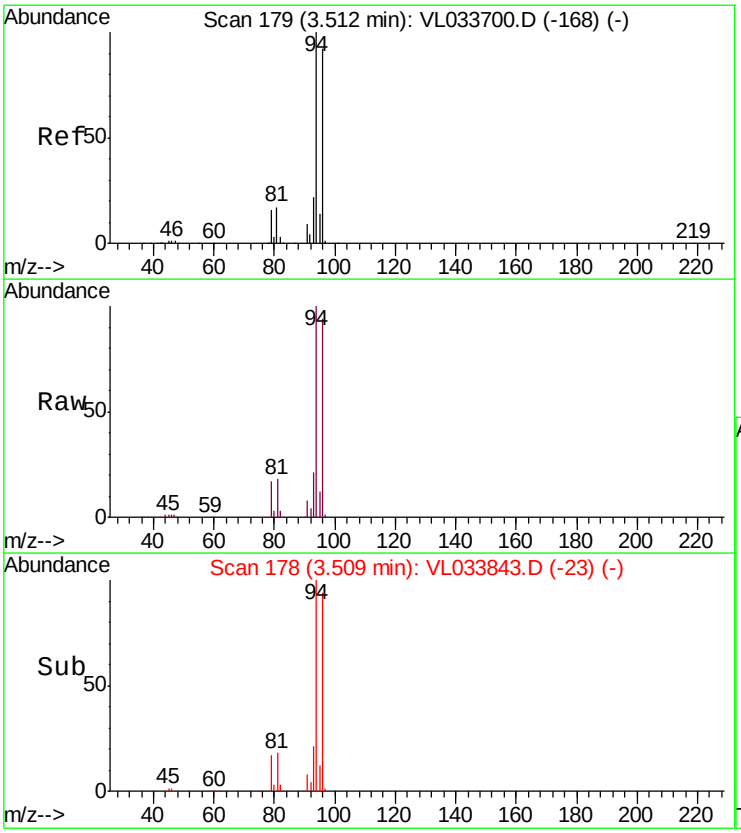
#5
Vinyl Chloride
Concen: 10.894 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 62 Resp: 539829

Ion	Ratio	Lower	Upper
62	100		
64	30.5	26.4	39.6

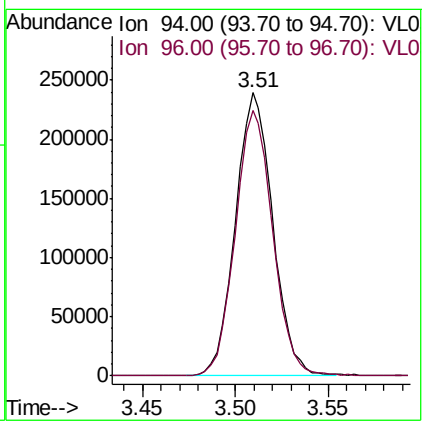


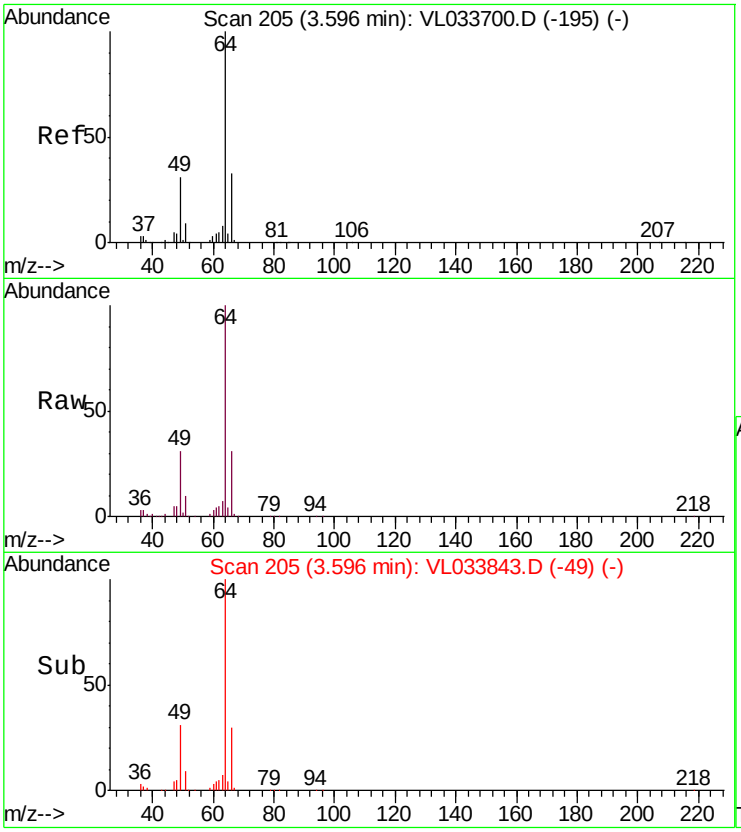


#6
Bromomethane
Concen: 11.043 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 94 Resp: 333890

Ion	Ratio	Lower	Upper
94	100		
96	93.5	73.6	110.4



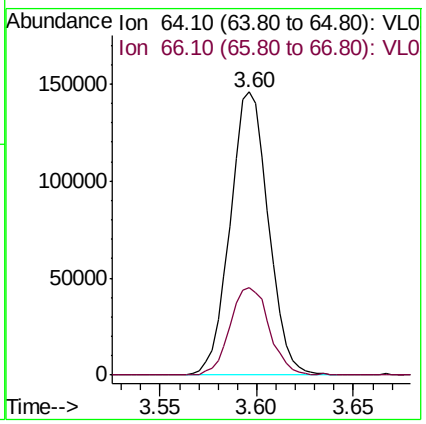


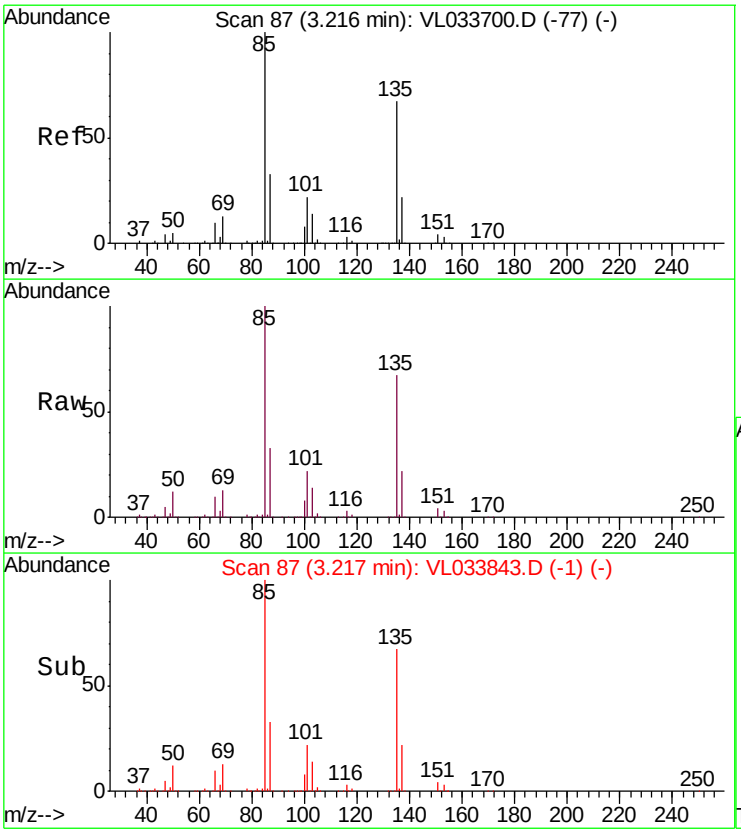
#7
Chloroethane
Concen: 11.380 ppbv
RT: 3.60 min Scan# 205
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 64 Resp: 200405

Ion	Ratio	Lower	Upper
64	100		
66	30.9	26.6	40.0

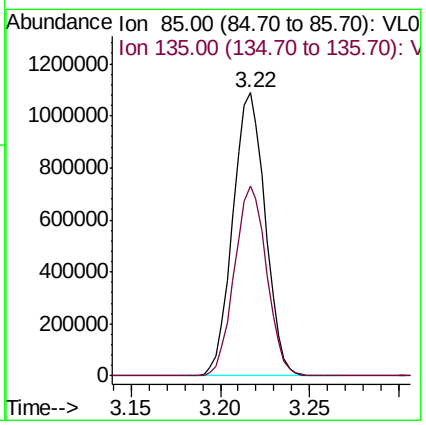


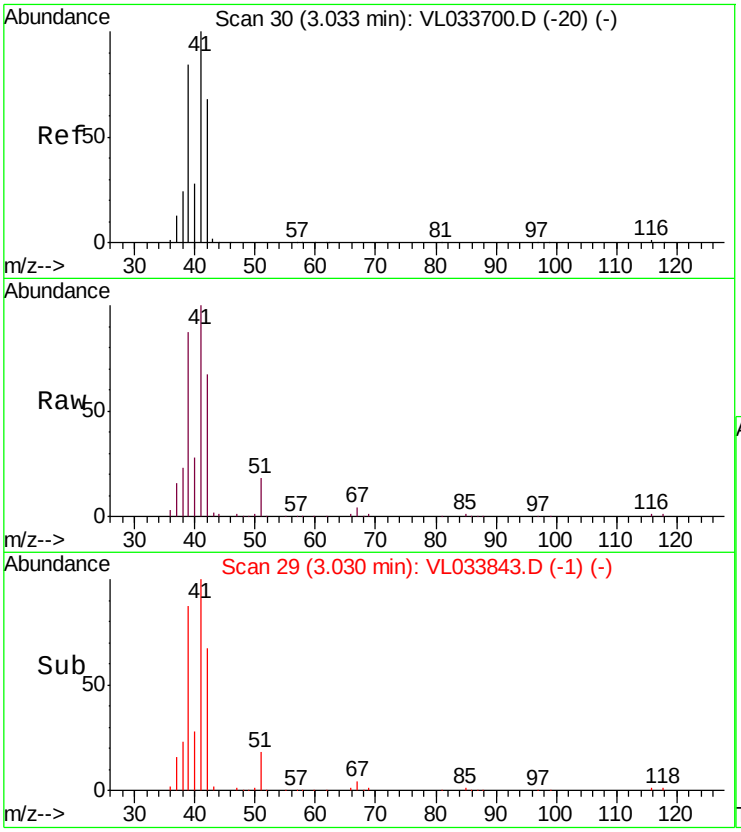


#8
Dichlorotetrafluoroethane
Concen: 10.879 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 85 Resp: 1372419

Ion	Ratio	Lower	Upper
85	100		
135	67.0	54.5	81.7



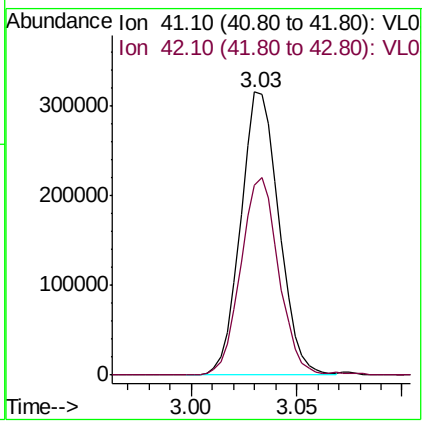


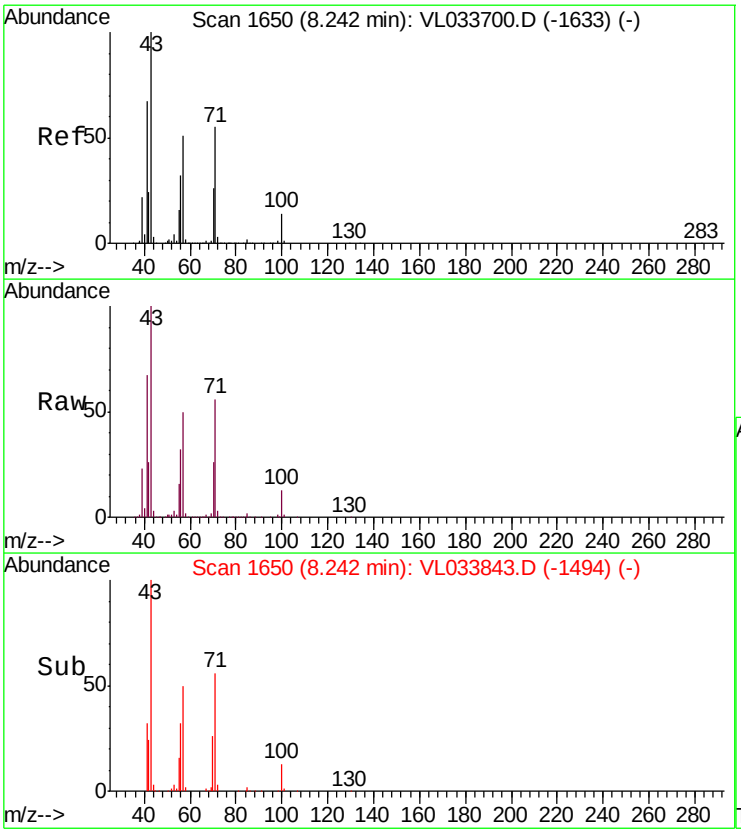
#9
Propene
Concen: 11.028 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 41 Resp: 398956

Ion	Ratio	Lower	Upper
41	100		
42	69.7	56.1	84.1

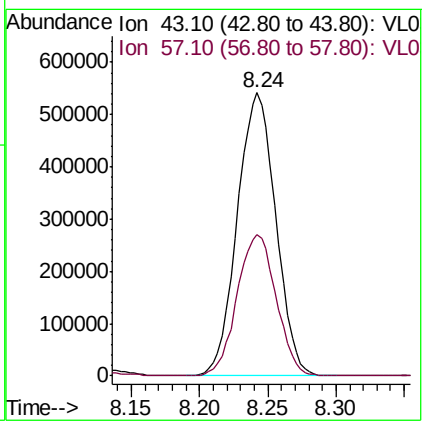


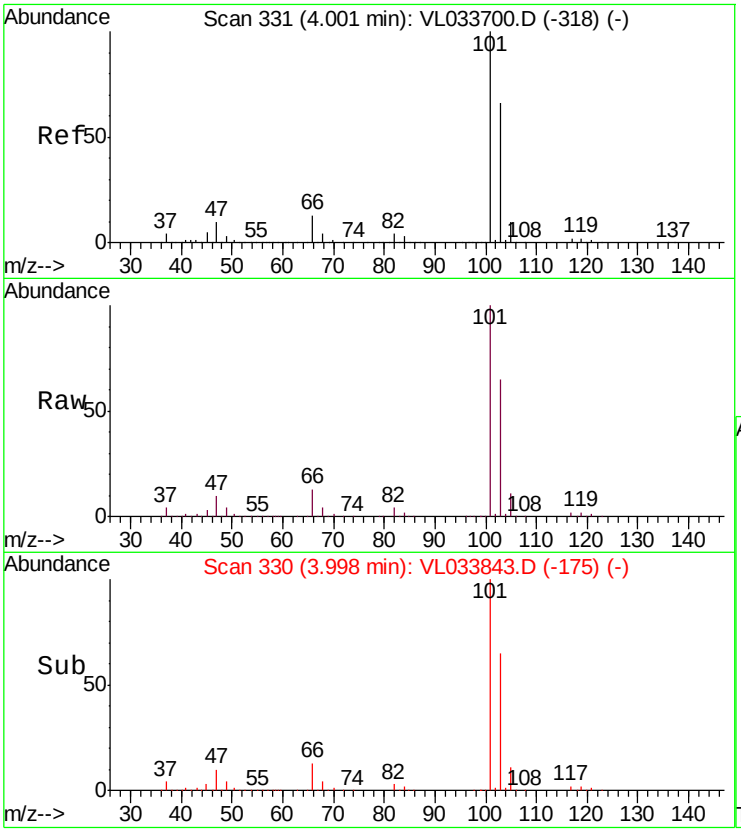


#10
Heptane
Concen: 10.325 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 43 Resp: 1057694

Ion	Ratio	Lower	Upper
43	100		
57	51.1	41.4	62.0



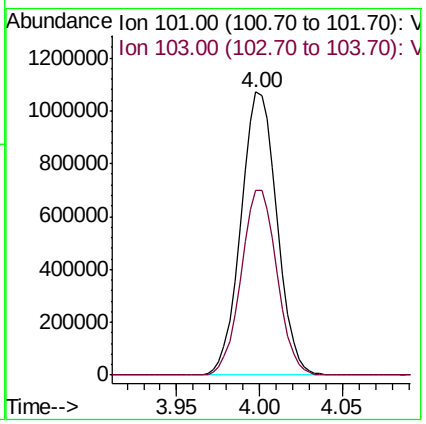


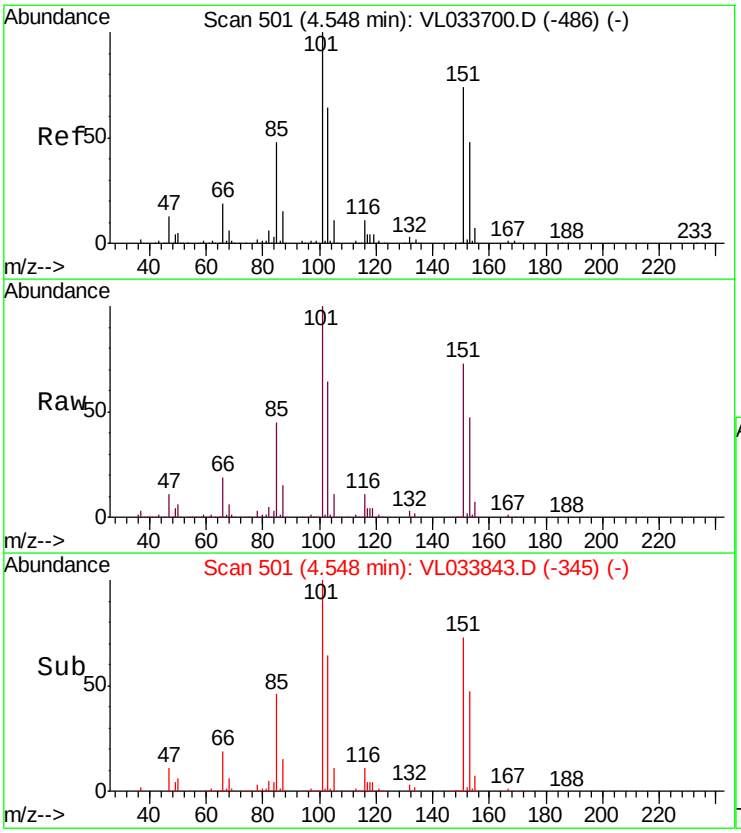
#11
Trichlorofluoromethane
Concen: 10.830 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion:101 Resp: 1617414

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.6	78.8

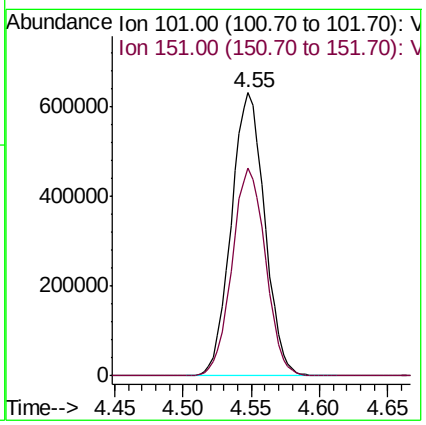


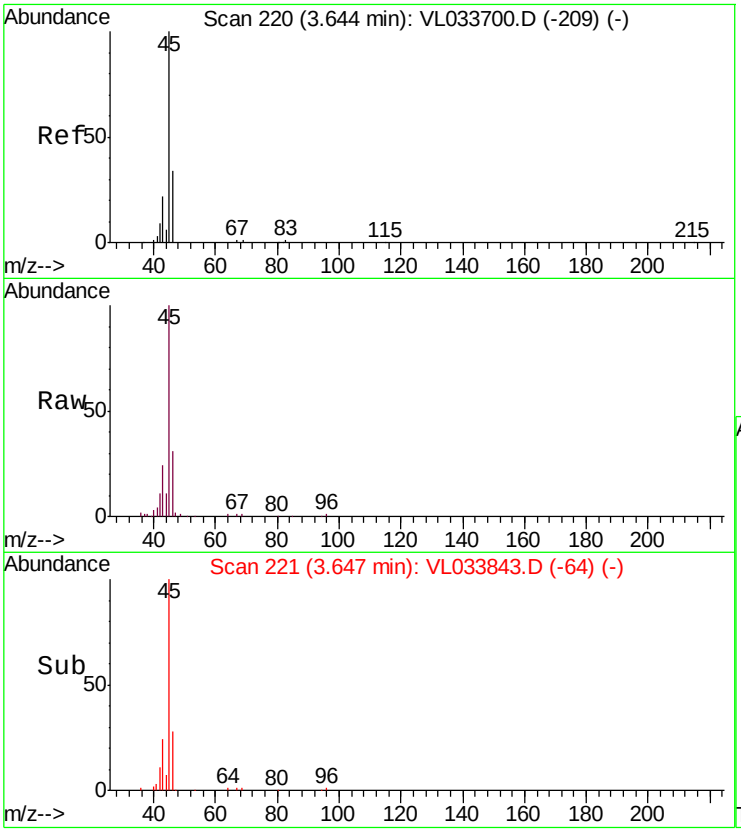


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.324 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:101 Resp: 1076661

Ion	Ratio	Lower	Upper
101	100		
151	73.3	58.2	87.4



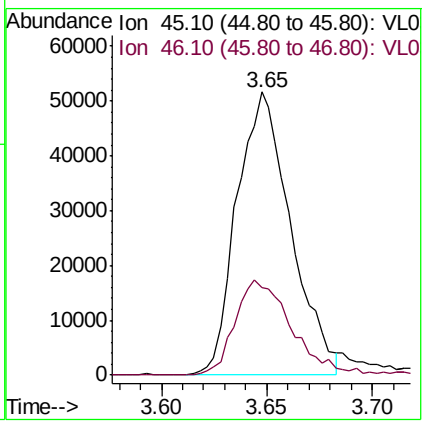


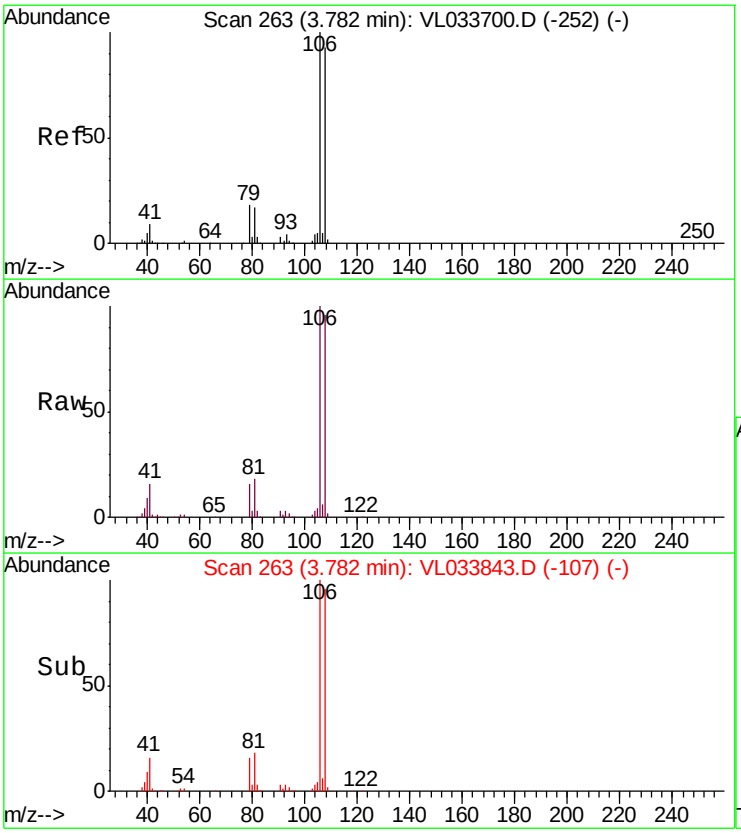
#13
Ethanol
Concen: 7.843 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion: 45 Resp: 91700

Ion	Ratio	Lower	Upper
45	100		
46	35.7	14.8	59.0

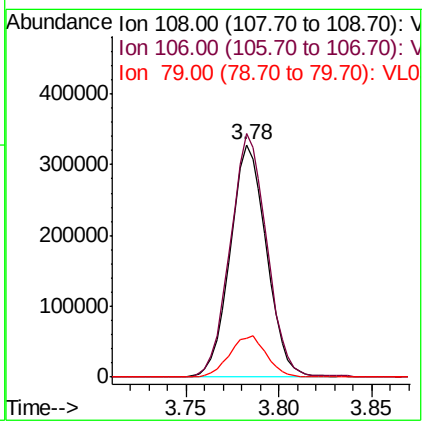


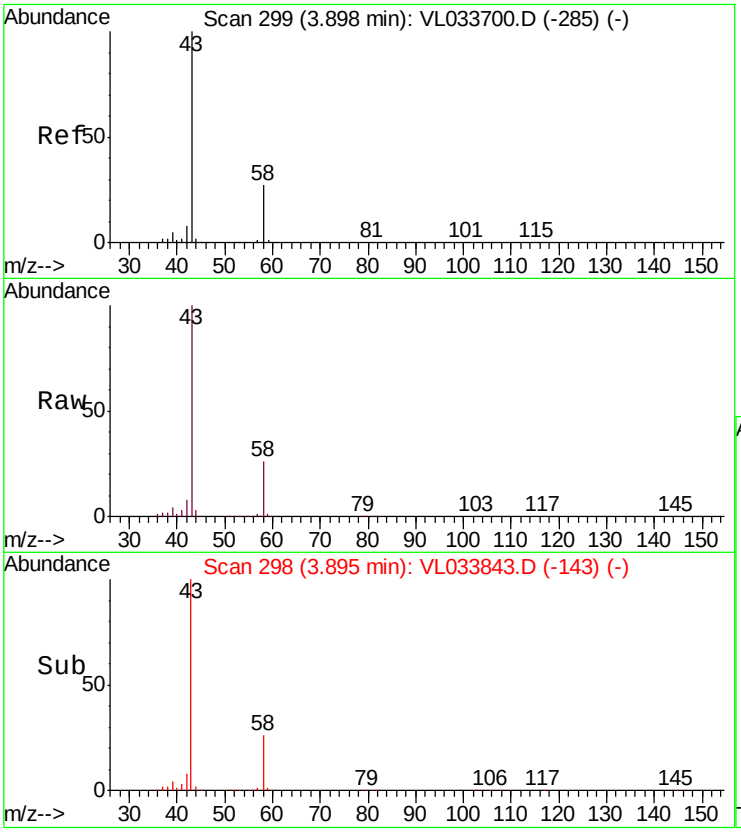


#14
Bromoethene
Concen: 11.653 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:108 Resp: 446792

Ion	Ratio	Lower	Upper
108	100		
106	106.1	86.5	129.7
79	18.4	15.1	22.7



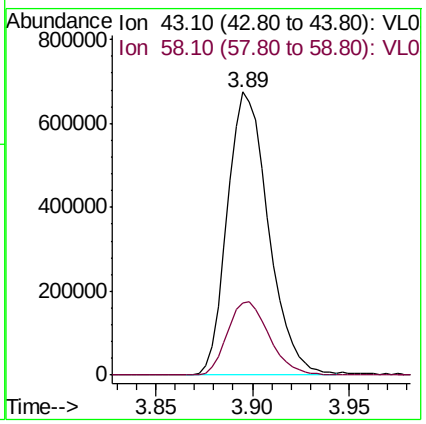


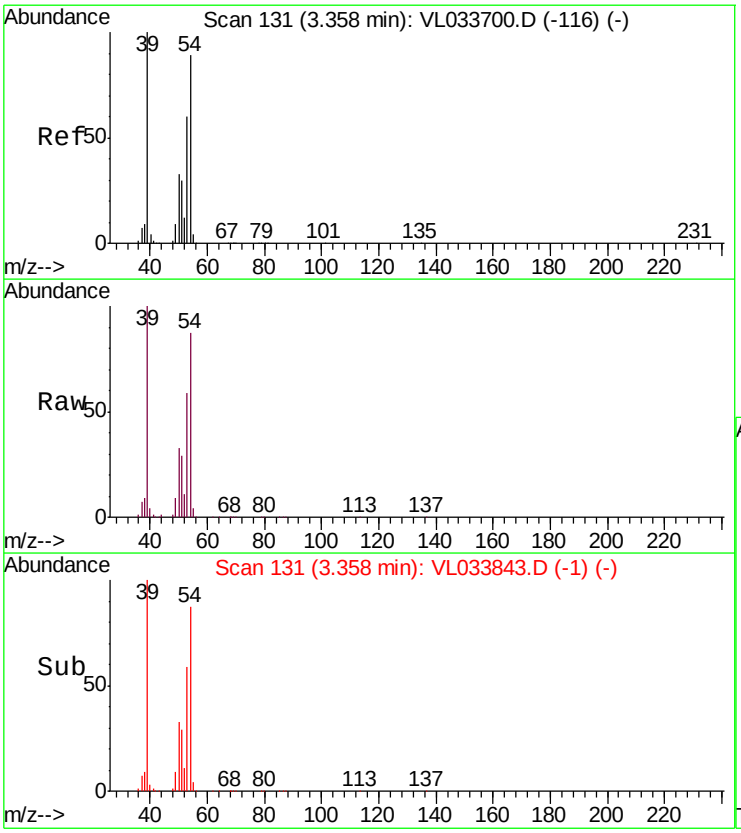
#15
Acetone
Concen: 9.689 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 43 Resp: 998176

Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.3	31.9

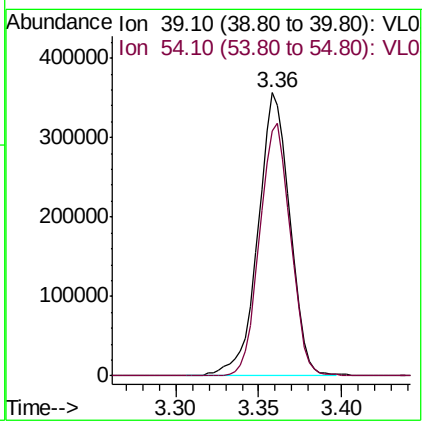


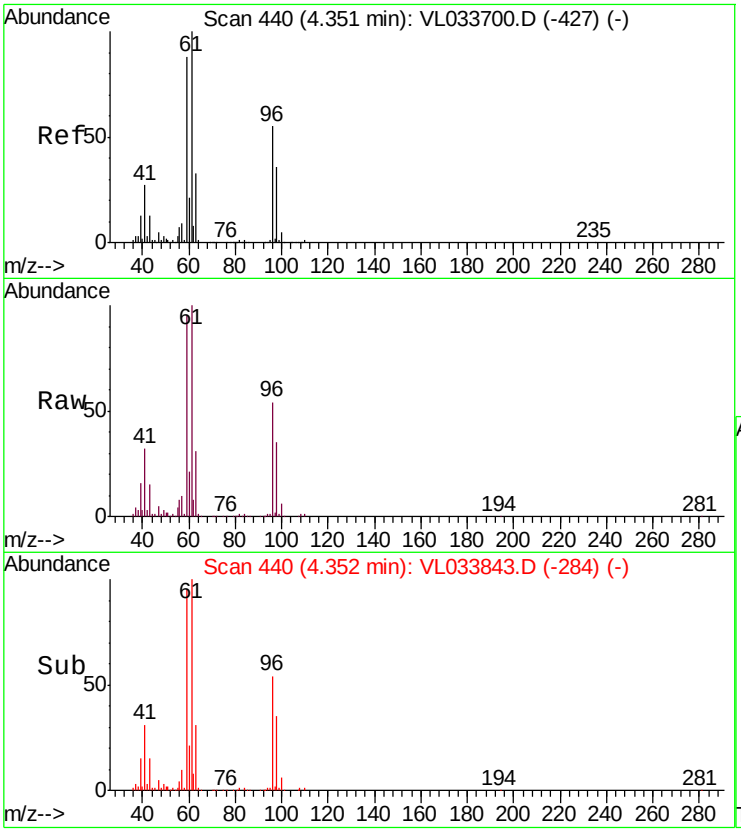


#16
1,3-Butadiene
Concen: 11.634 ppbv
RT: 3.36 min Scan# 131
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 39 Resp: 477281

Ion	Ratio	Lower	Upper
39	100		
54	86.4	69.0	103.6



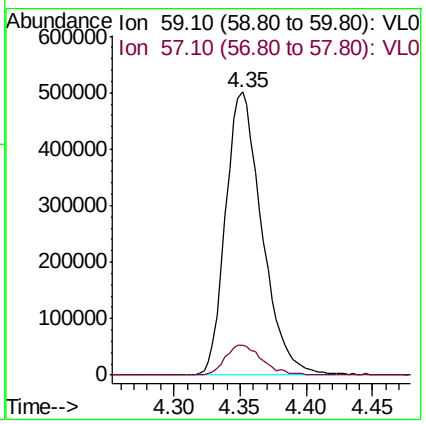


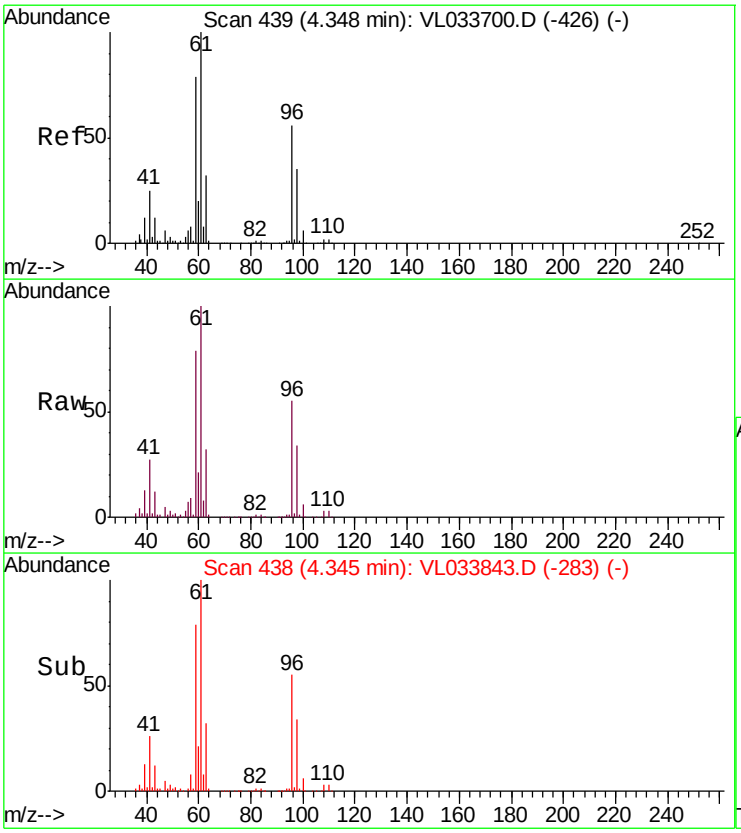
#17
tert-Butyl alcohol
Concen: 11.479 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 59 Resp: 956254

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.4	12.6

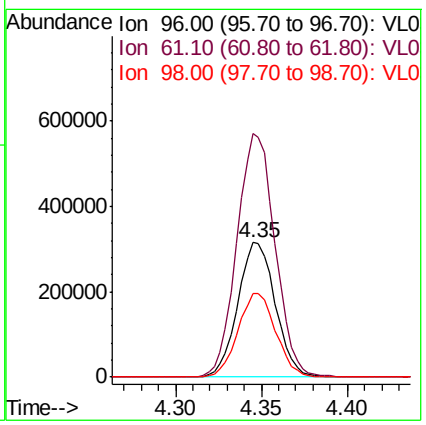


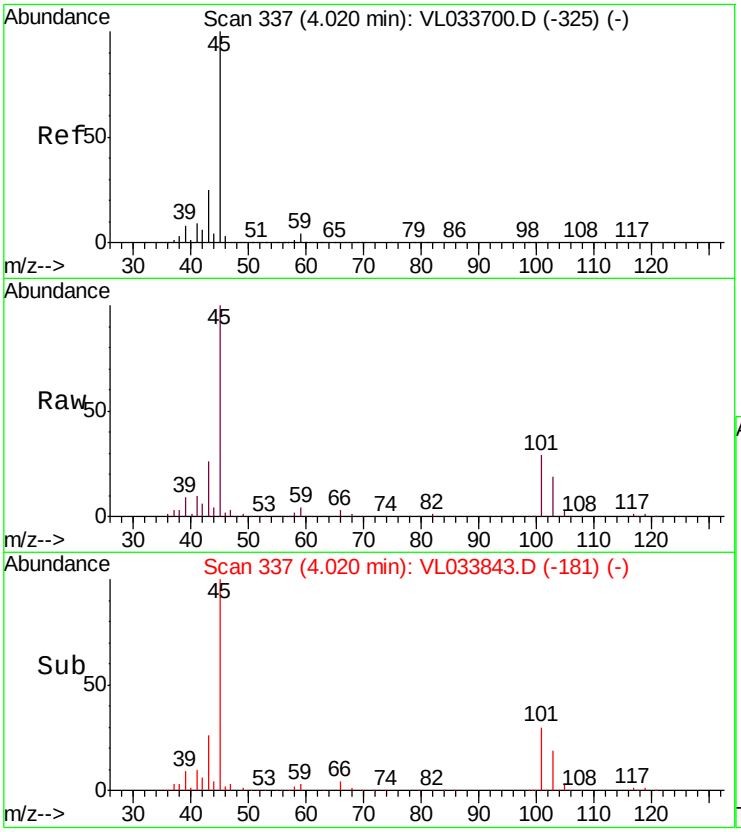


#18
1,1-Dichloroethene
Concen: 10.855 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 96 Resp: 477831

Ion	Ratio	Lower	Upper
96	100		
61	180.8	143.1	214.7
98	61.8	49.5	74.3



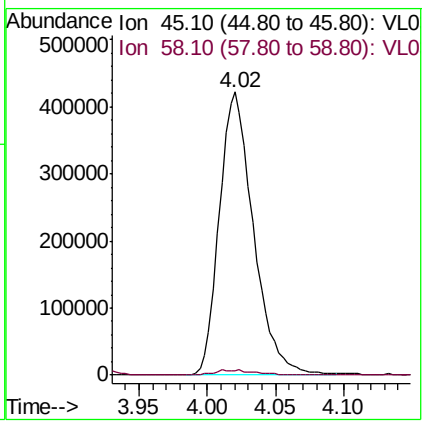


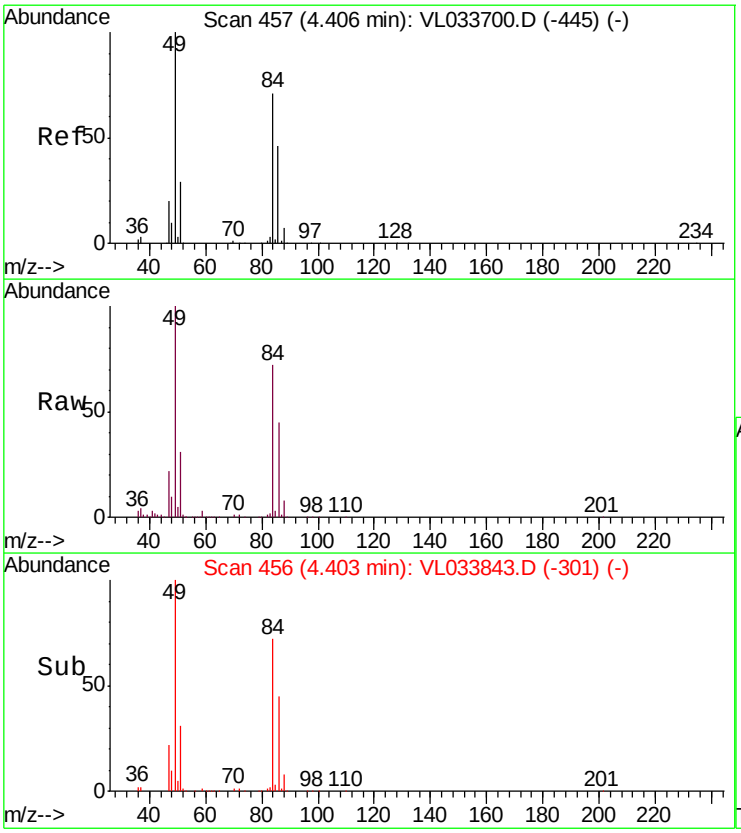
#19
Isopropyl Alcohol
Concen: 11.030 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion: 45 Resp: 732645

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.6	2.4

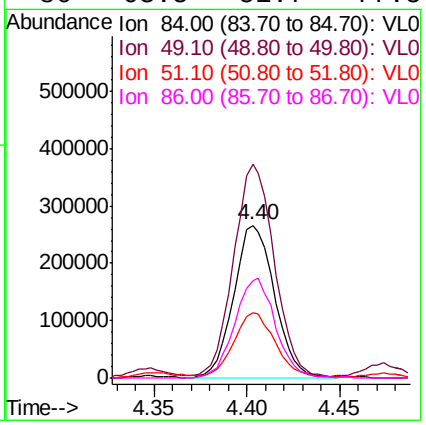


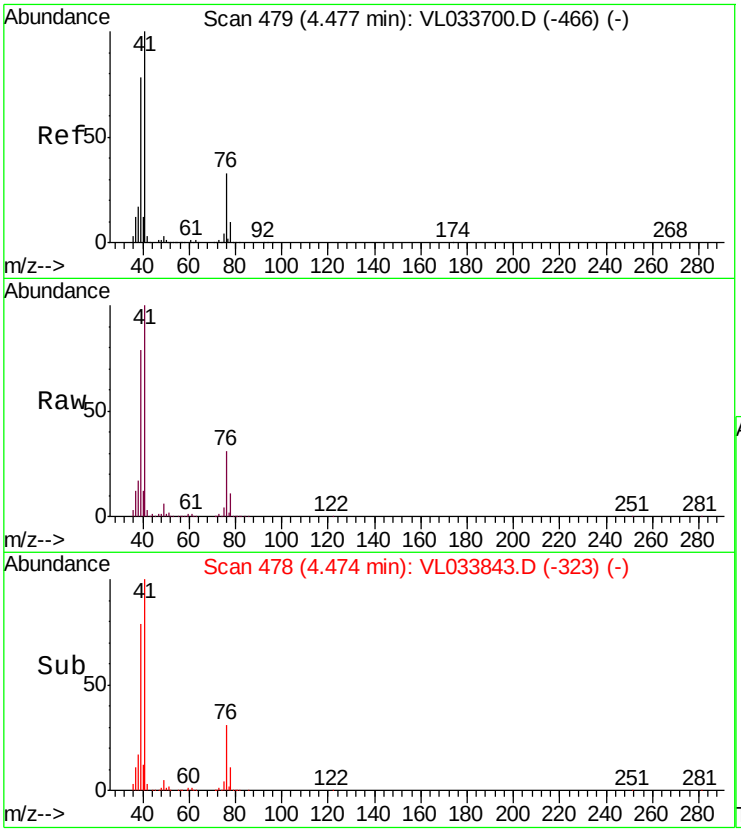


#20
Methylene Chloride
Concen: 10.186 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 84 Resp: 404009

Ion	Ratio	Lower	Upper
84	100		
49	138.9	112.8	169.2
51	42.5	33.4	50.0
86	63.5	51.7	77.5



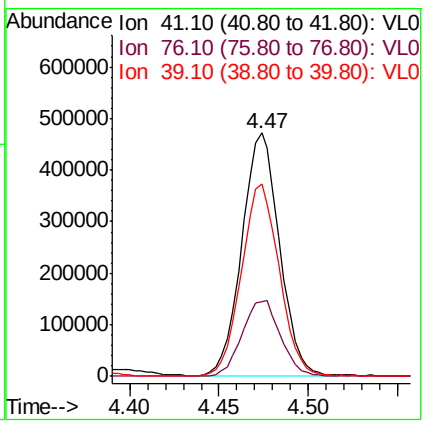


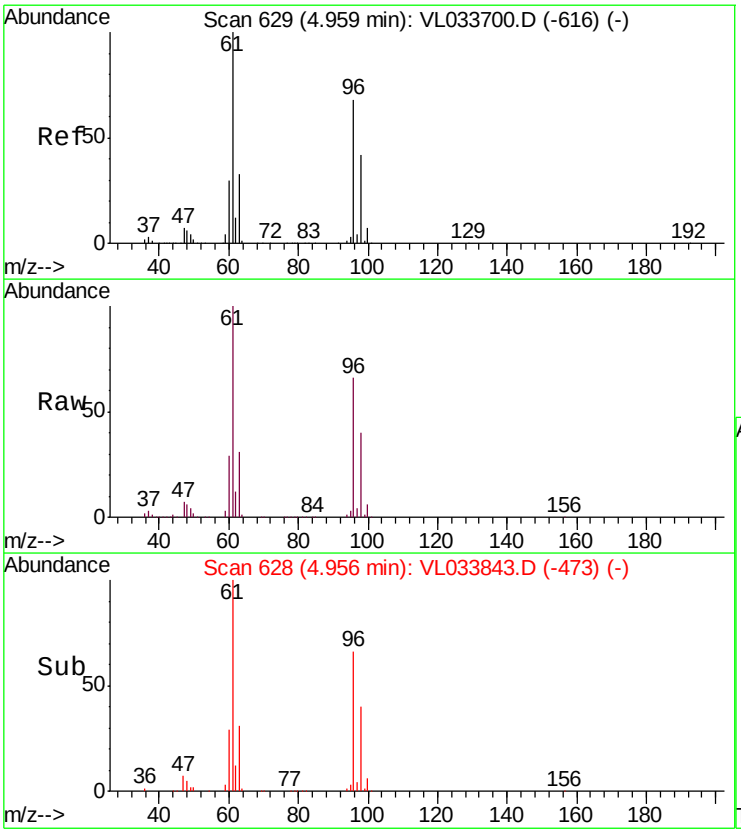
#21
Allyl Chloride
Concen: 10.826 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion: 41 Resp: 695629

Ion	Ratio	Lower	Upper
41	100		
76	32.0	25.9	38.9
39	79.9	64.6	97.0

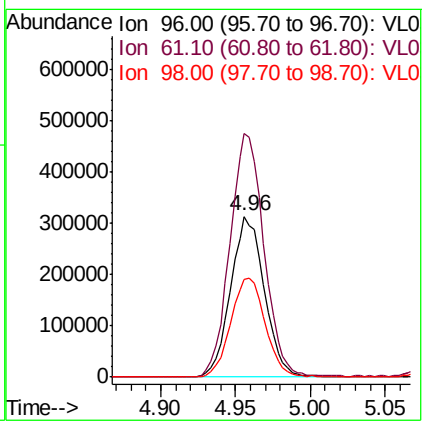


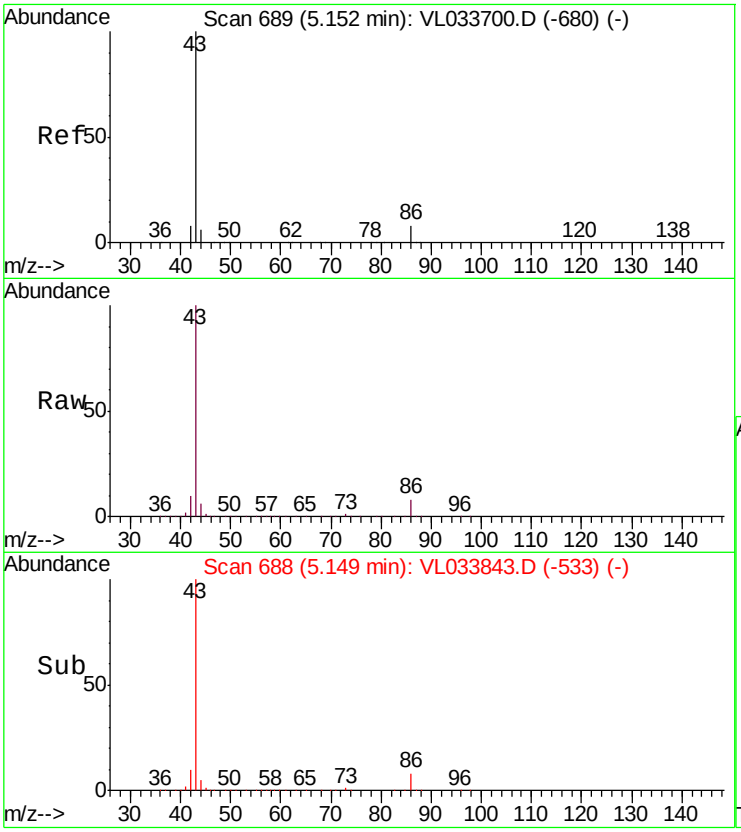


#22
trans-1,2-Dichloroethene
Concen: 10.929 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 96 Resp: 493123

Ion	Ratio	Lower	Upper
96	100		
61	151.7	116.8	175.2
98	60.9	49.4	74.0



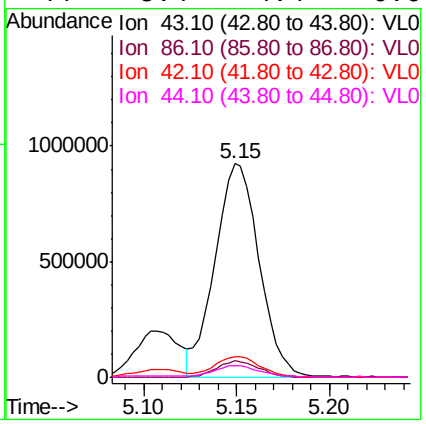


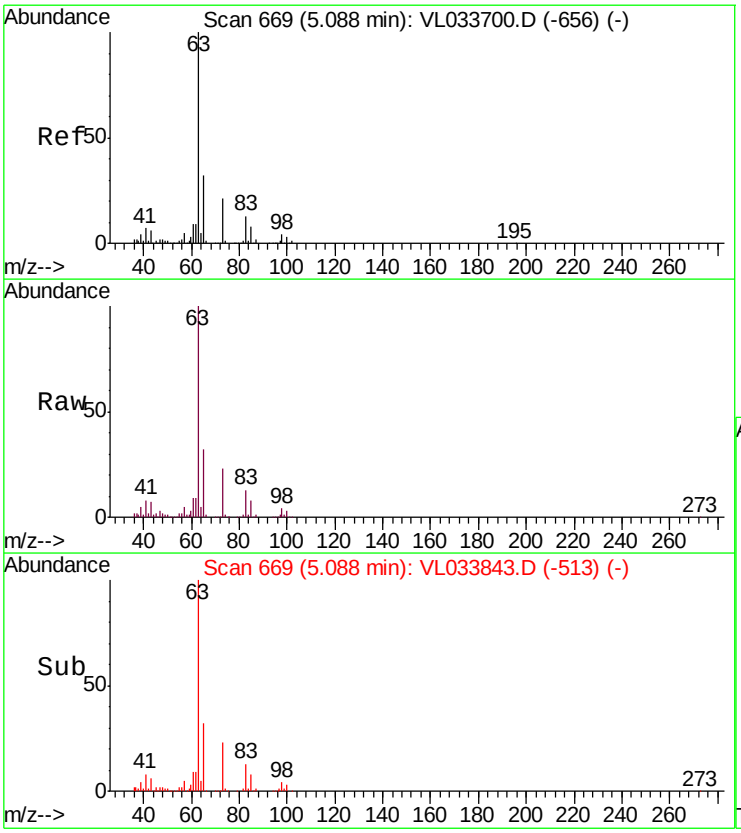
#23
Vinyl Acetate
Concen: 11.227 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion: 43 Resp: 1524982

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.0	9.0
42	9.6	7.5	11.3
44	5.4	4.4	6.6

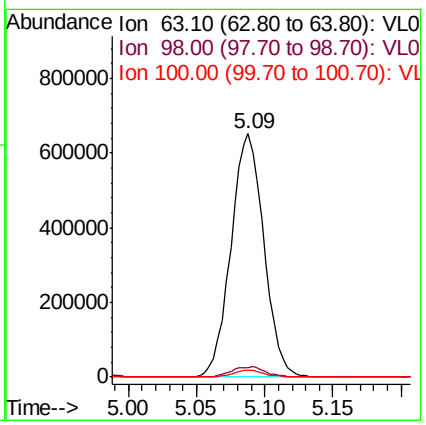


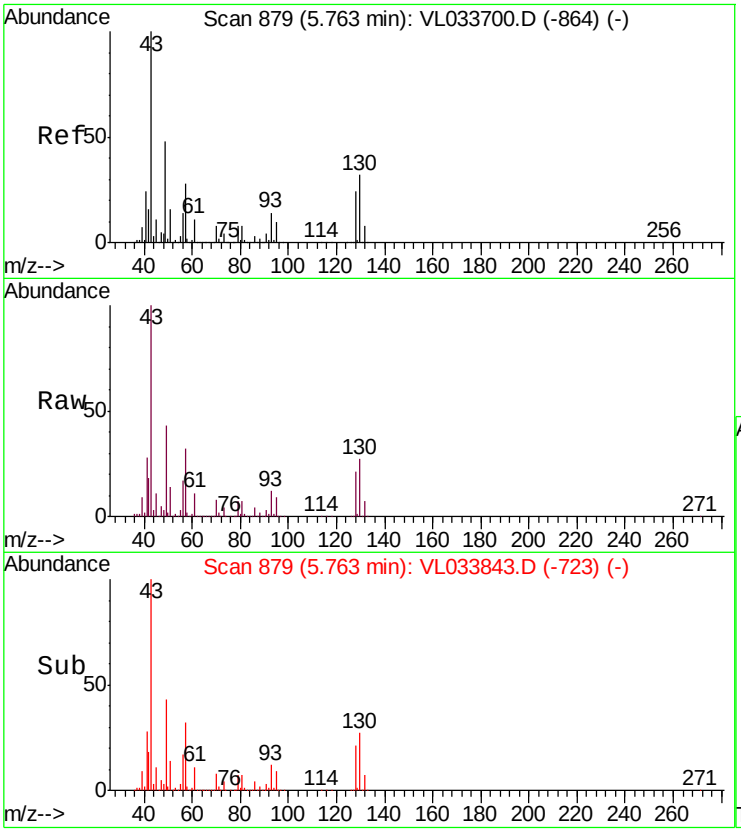


#24
1,1-Dichloroethane
Concen: 10.539 ppbv
RT: 5.09 min Scan# 669
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 63 Resp: 1088231

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.8	5.5
100	2.8	1.4	4.2



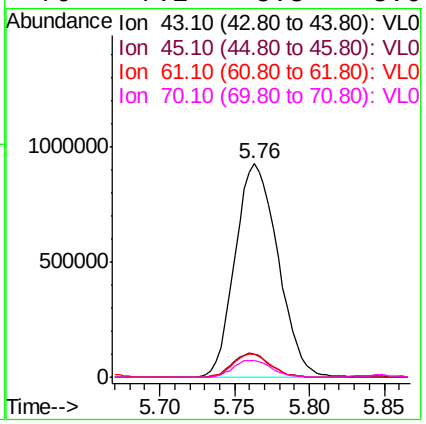


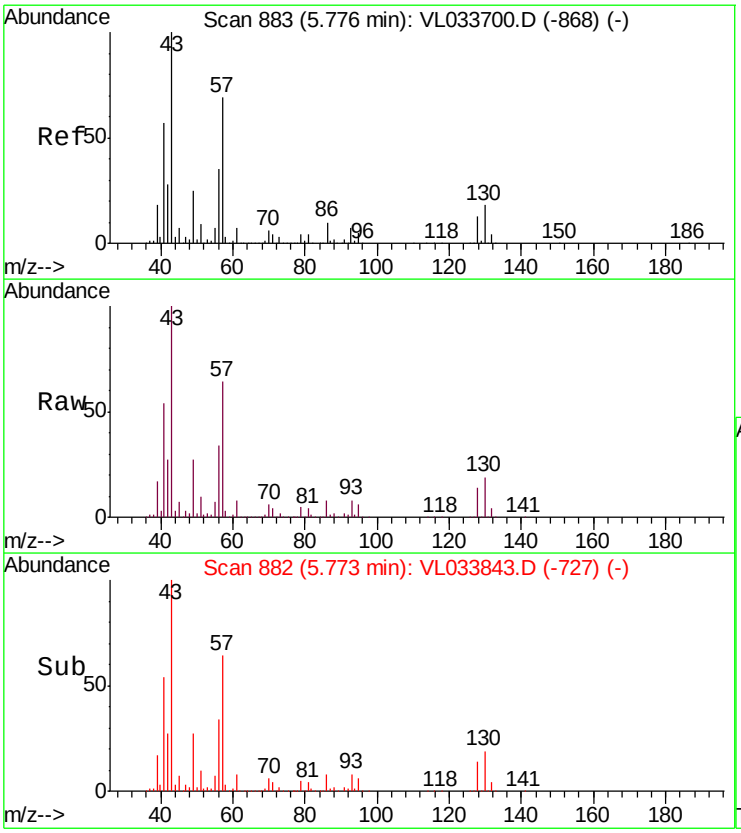
#25
Ethyl Acetate
Concen: 10.202 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion: 43 Resp: 1846190

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.6	7.7	11.5
70	7.2	5.8	8.6

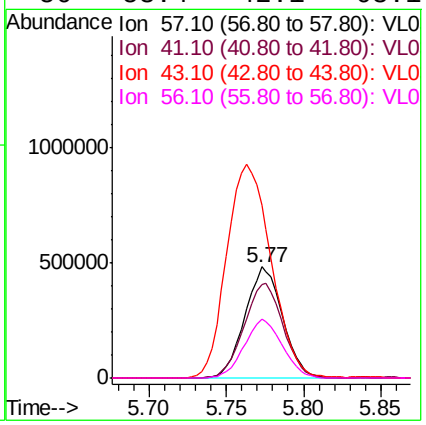


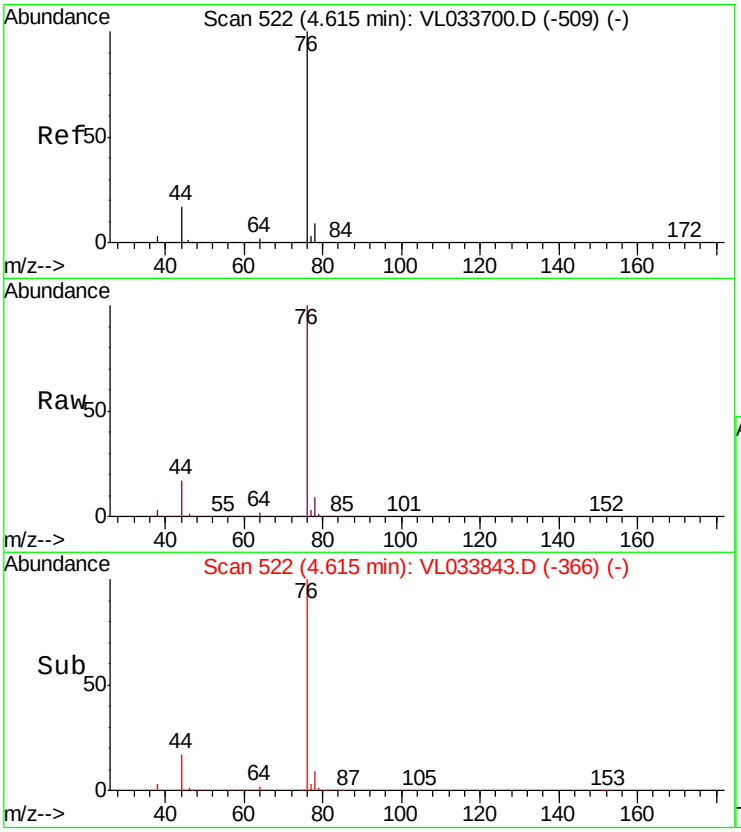


#26
Hexane
Concen: 10.468 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 57 Resp: 814431

Ion	Ratio	Lower	Upper
57	100		
41	88.6	69.8	104.6
43	227.9	181.8	272.6
56	53.4	42.1	63.1



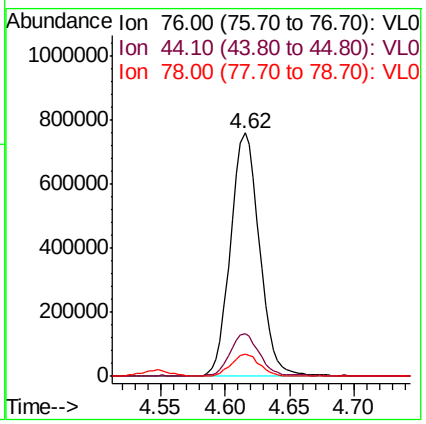


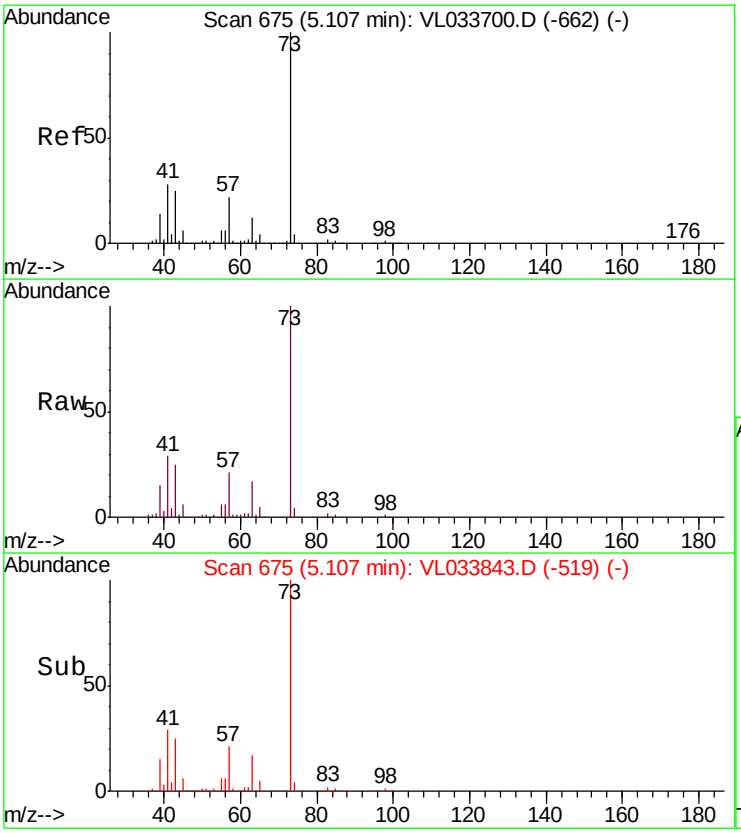
#27
Carbon Disulfide
Concen: 11.125 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 76 Resp: 1187473

Ion	Ratio	Lower	Upper
76	100		
44	17.3	13.8	20.8
78	9.0	7.4	11.0

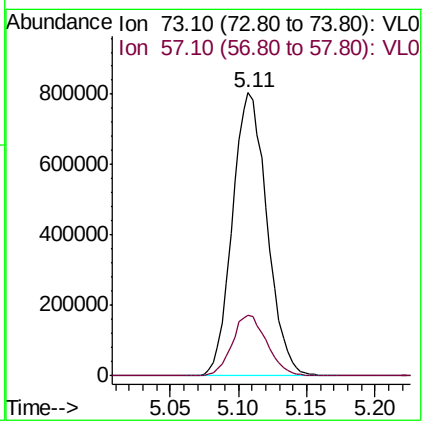


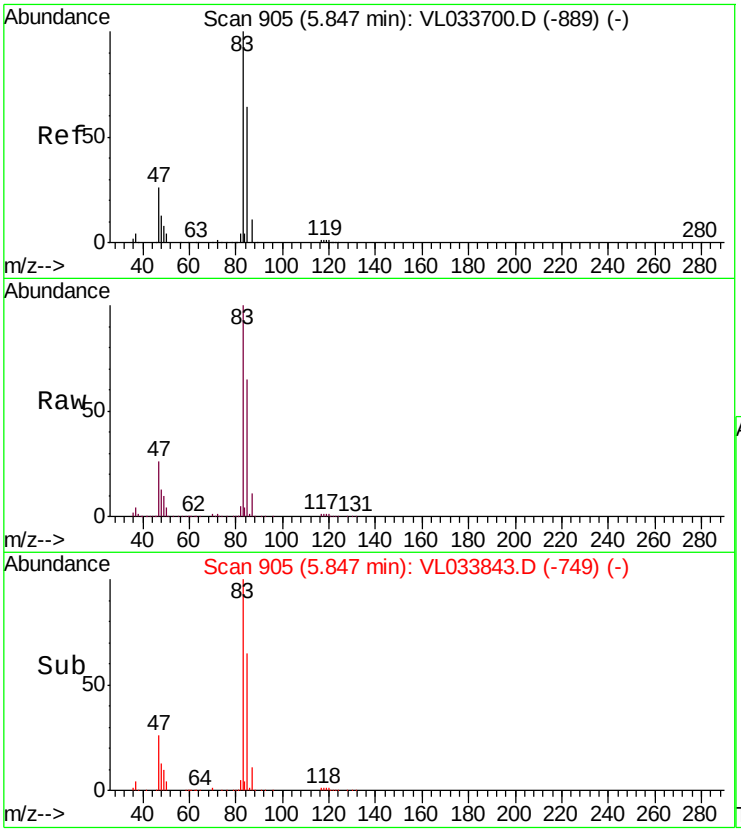


#28
Methyl tert-Butyl Ether
Concen: 11.199 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 73 Resp: 1420374

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2



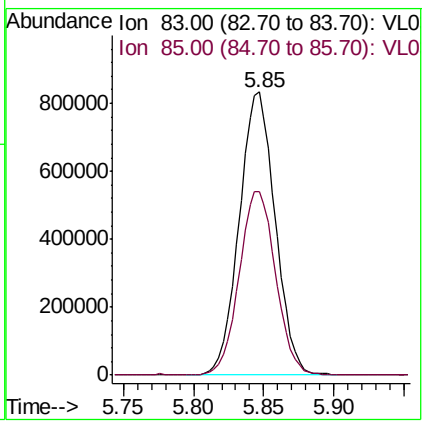


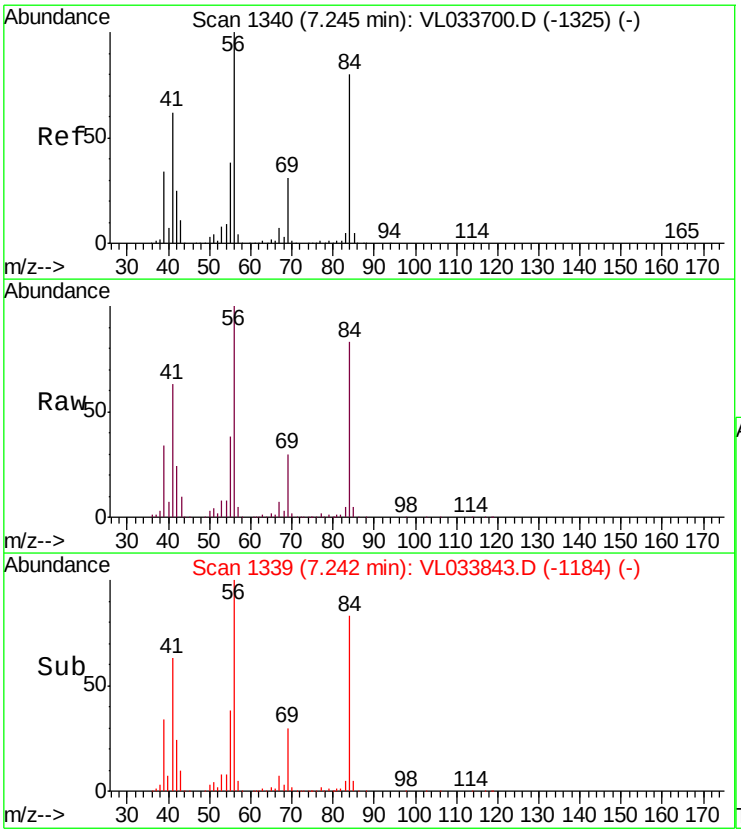
#29
Chloroform
Concen: 10.396 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 83 Resp: 1489893

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3

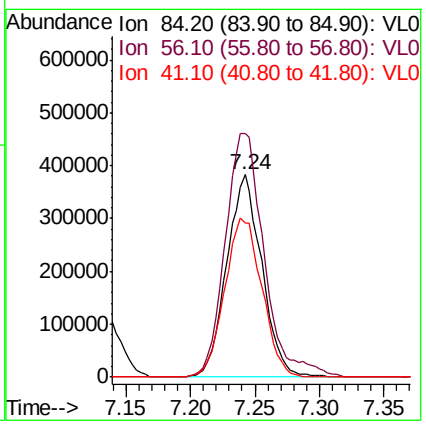


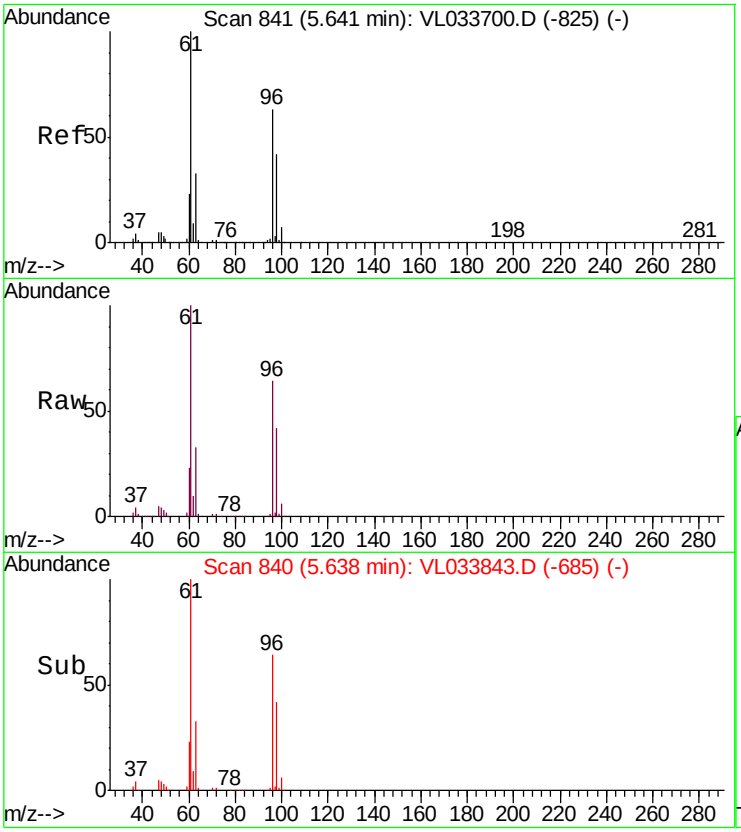


#30
Cyclohexane
Concen: 11.058 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 84 Resp: 723269

Ion	Ratio	Lower	Upper
84	100		
56	133.9	107.7	161.5
41	83.4	66.0	99.0



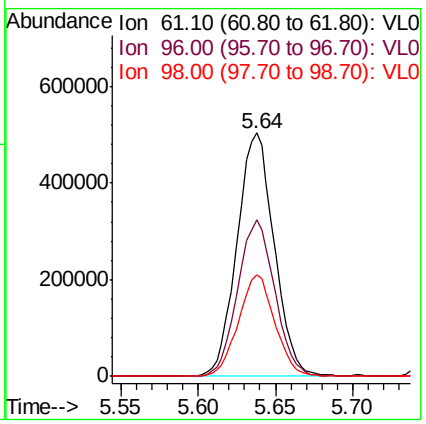


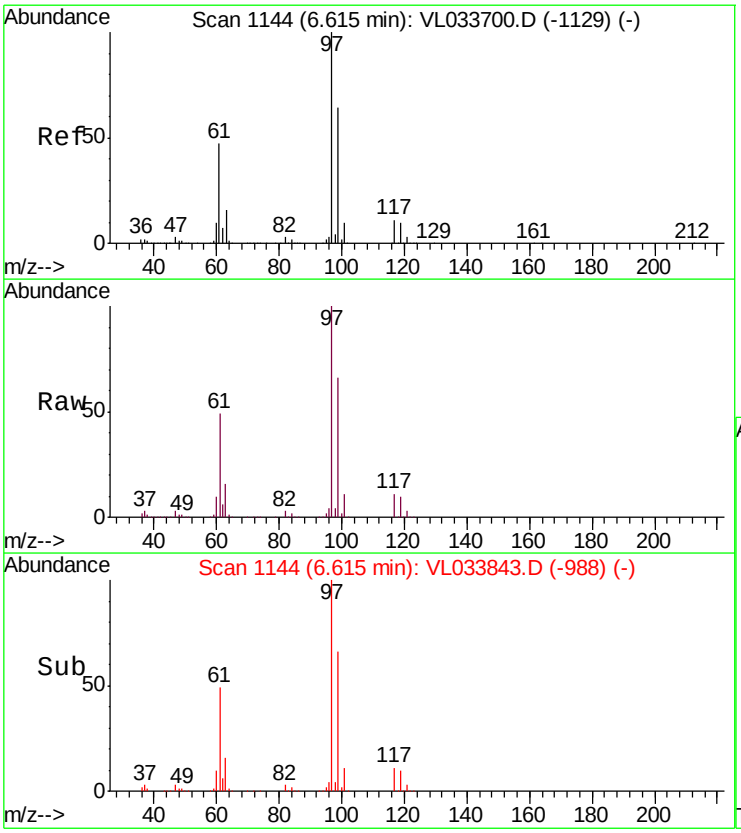
#31
cis-1,2-Dichloroethene
Concen: 10.920 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 61 Resp: 842399

Ion	Ratio	Lower	Upper
61	100		
96	64.3	50.8	76.2
98	42.0	33.3	49.9

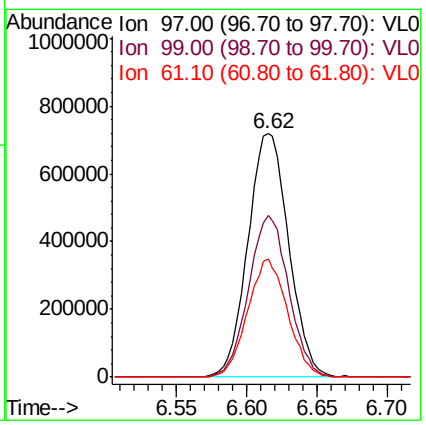


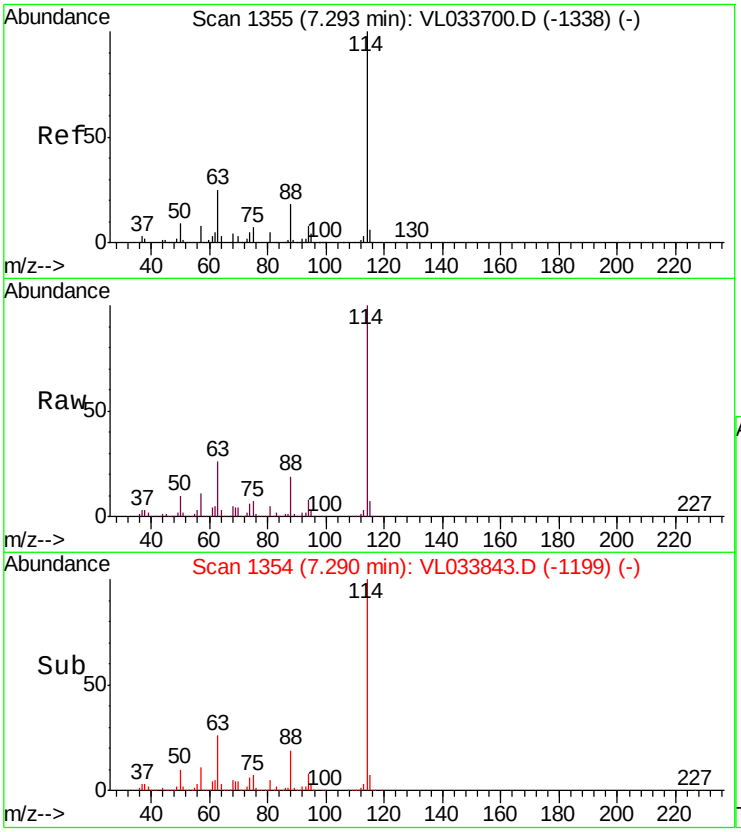


#32
1,1,1-Trichloroethane
Concen: 10.185 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 97 Resp: 1457390

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.5	77.3
61	47.7	37.8	56.8



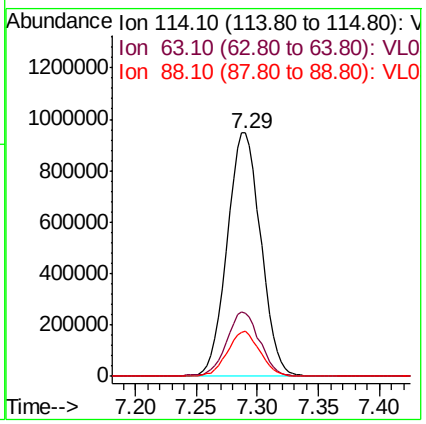


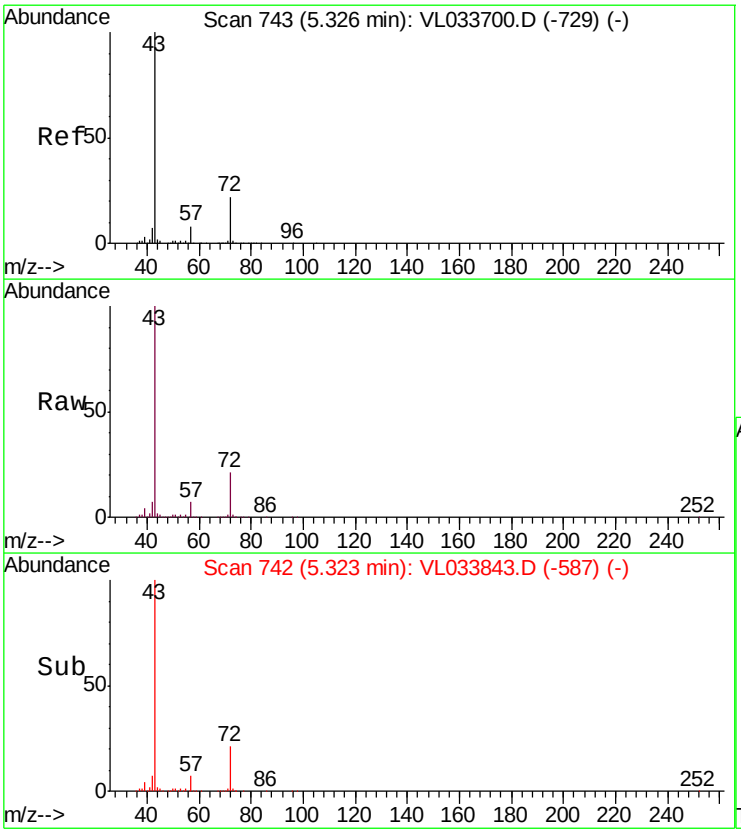
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion:114 Resp: 1814956

Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.9	31.3
88	17.9	14.3	21.5

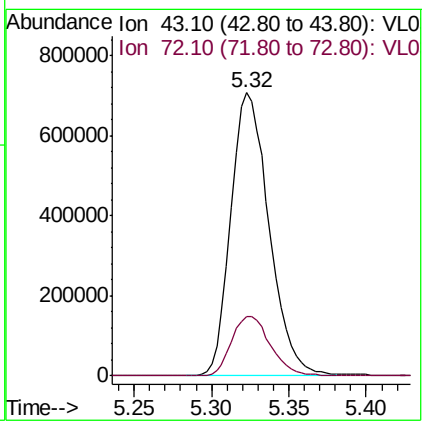


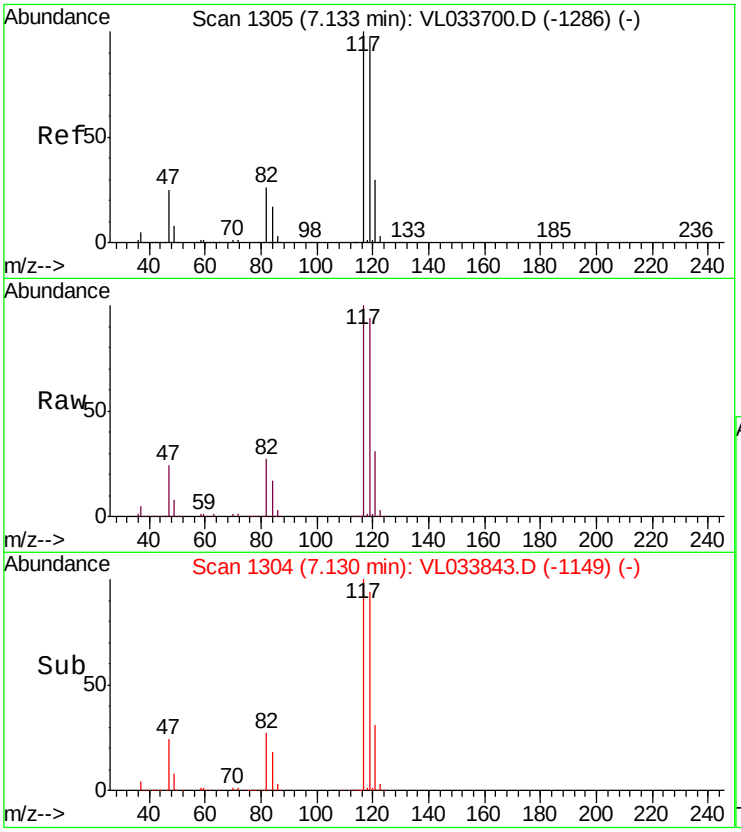


#34
2-Butanone
Concen: 10.768 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 43 Resp: 1211441

Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.8	26.6



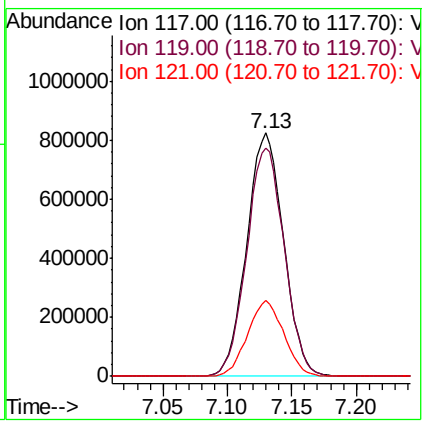


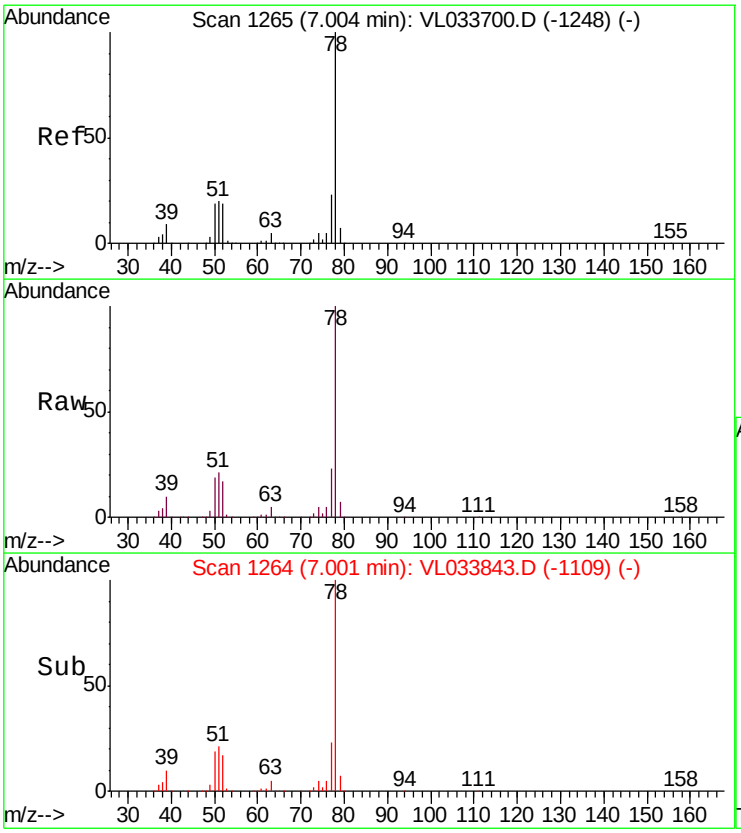
#35
Carbon Tetrachloride
Concen: 11.312 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion:117 Resp: 1644543

Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.2	115.8
121	31.2	24.1	36.1

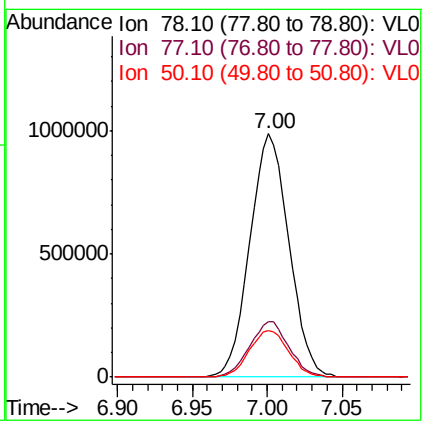


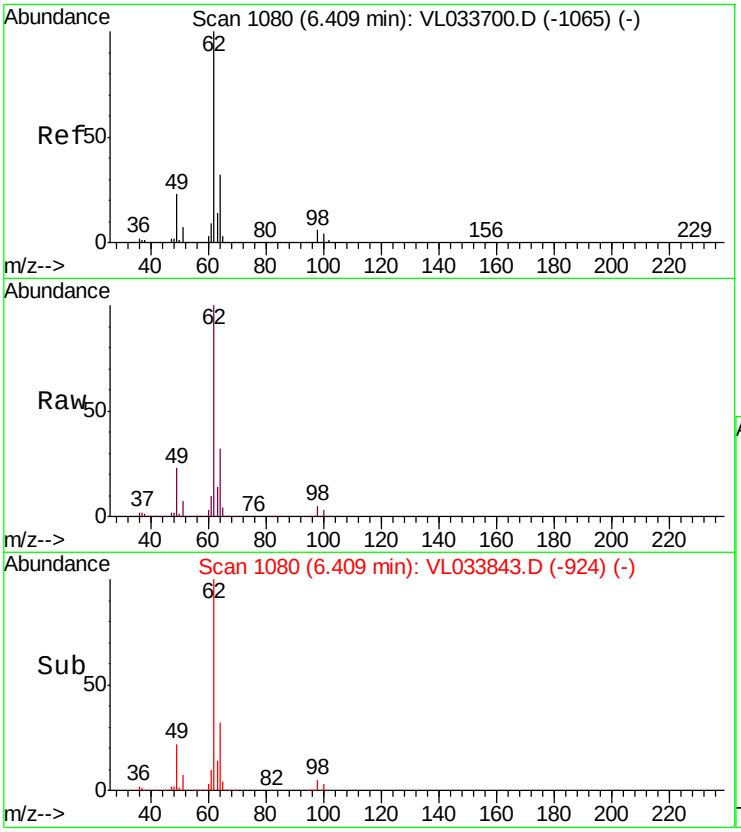


#36
Benzene
Concen: 10.874 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 78 Resp: 1795225

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.4	27.6
50	19.3	15.5	23.3



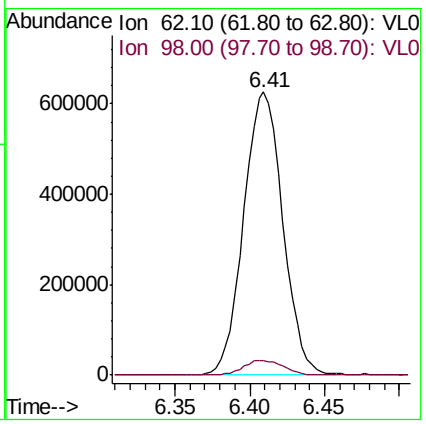


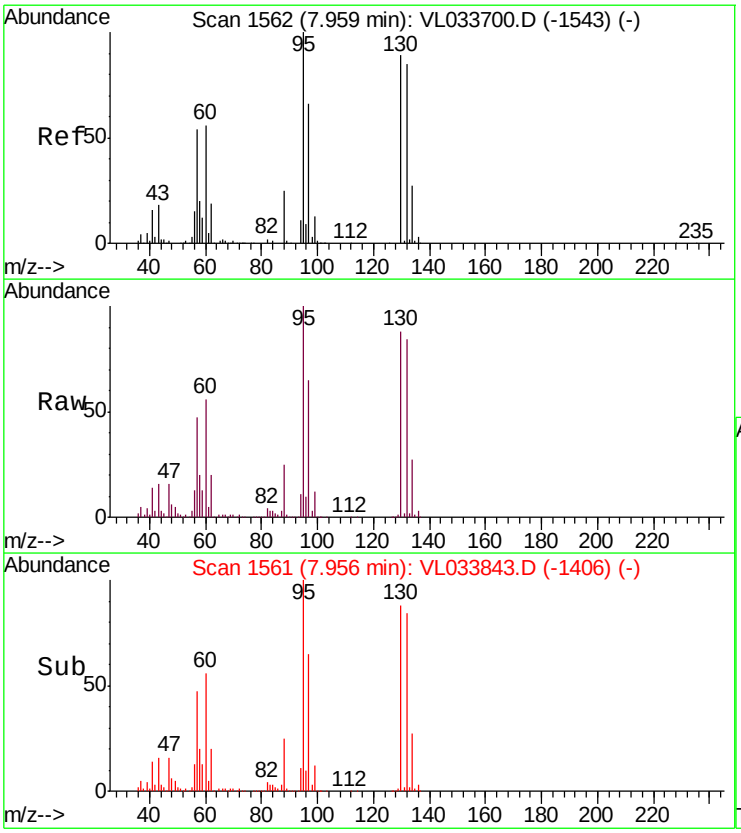
#37
1,2-Dichloroethane
Concen: 10.704 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion: 62 Resp: 1139983

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.5	6.7

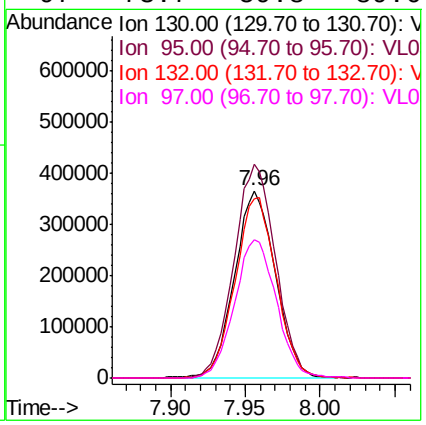


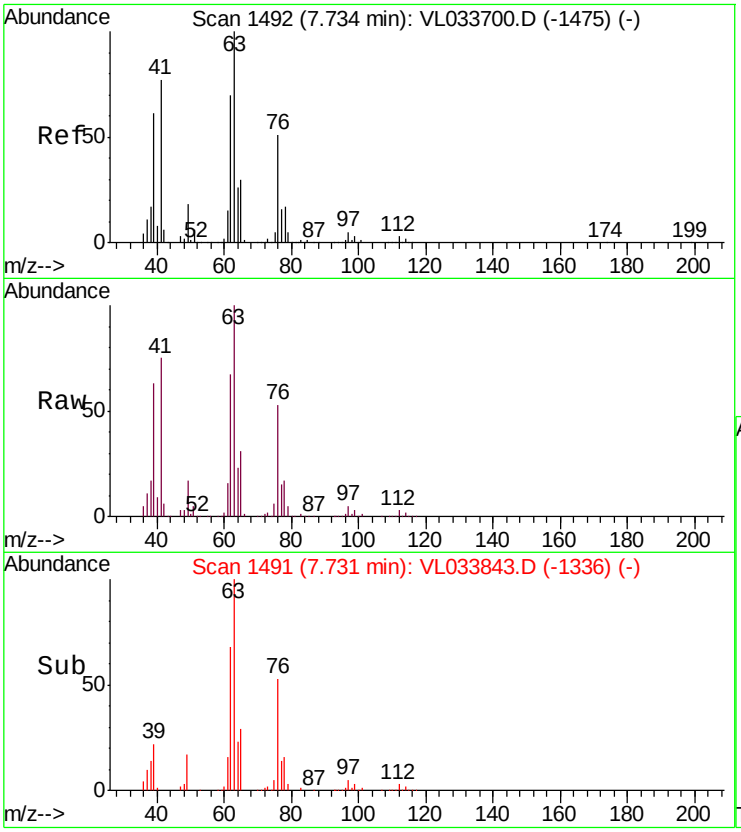


#38
Trichloroethene
Concen: 11.344 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:130 Resp: 694983

Ion	Ratio	Lower	Upper
130	100		
95	113.7	90.2	135.4
132	95.3	76.4	114.6
97	73.7	59.8	89.6



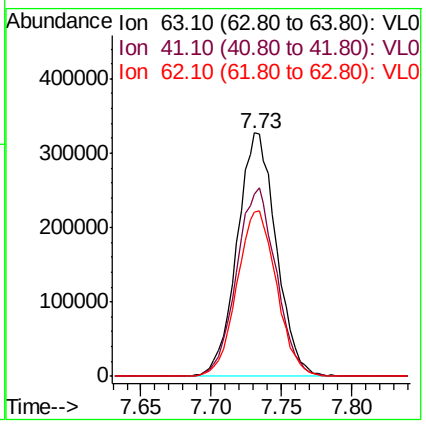


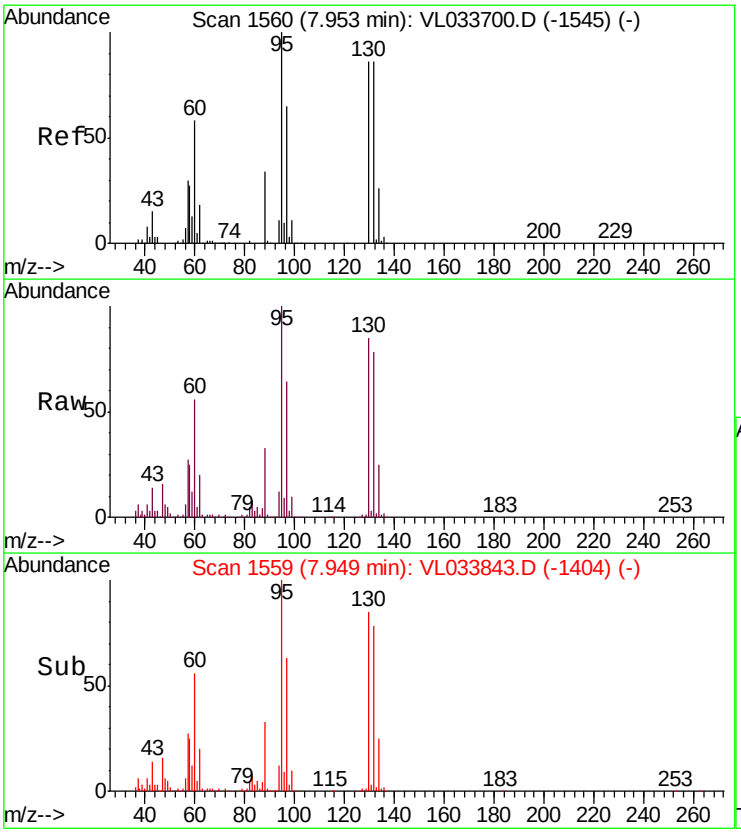
#39
1,2-Dichloropropane
Concen: 10.309 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion: 63 Resp: 634582

Ion	Ratio	Lower	Upper
63	100		
41	74.9	61.5	92.3
62	67.2	56.2	84.4

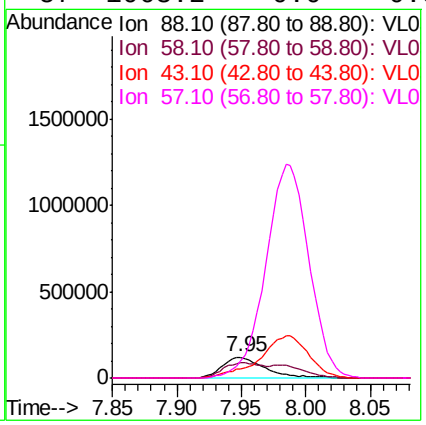


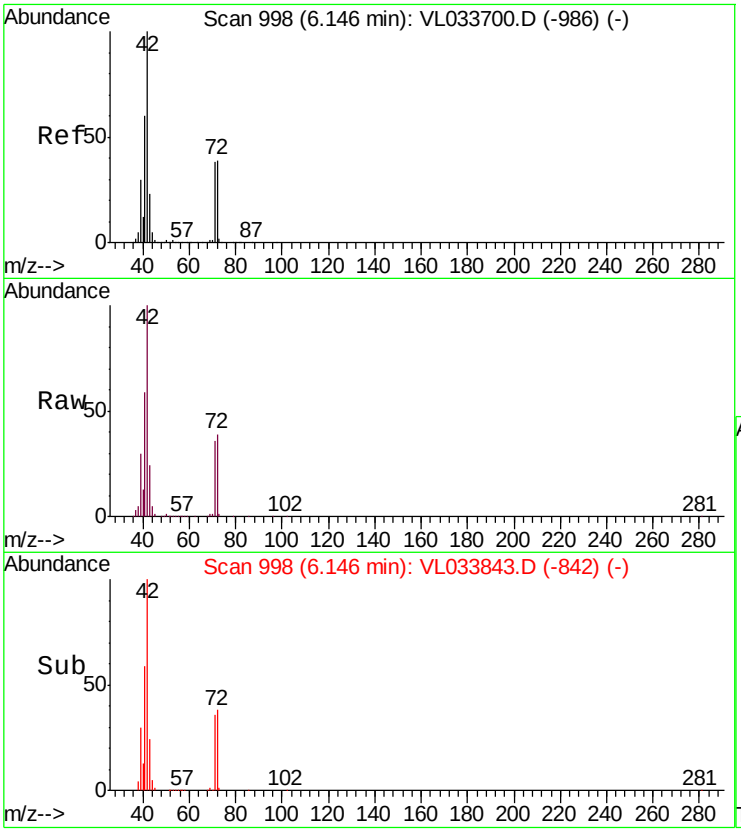


#40
1,4-Dioxane
Concen: 10.563 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 88 Resp: 271974

Ion	Ratio	Lower	Upper
88	100		
58	121.5	101.8	152.6
43	237.4	0.0	0.0#
57	1063.2	0.0	0.0#



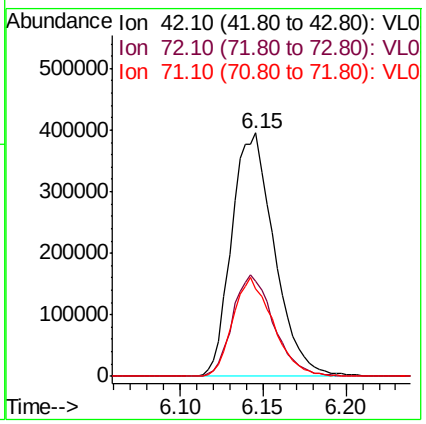


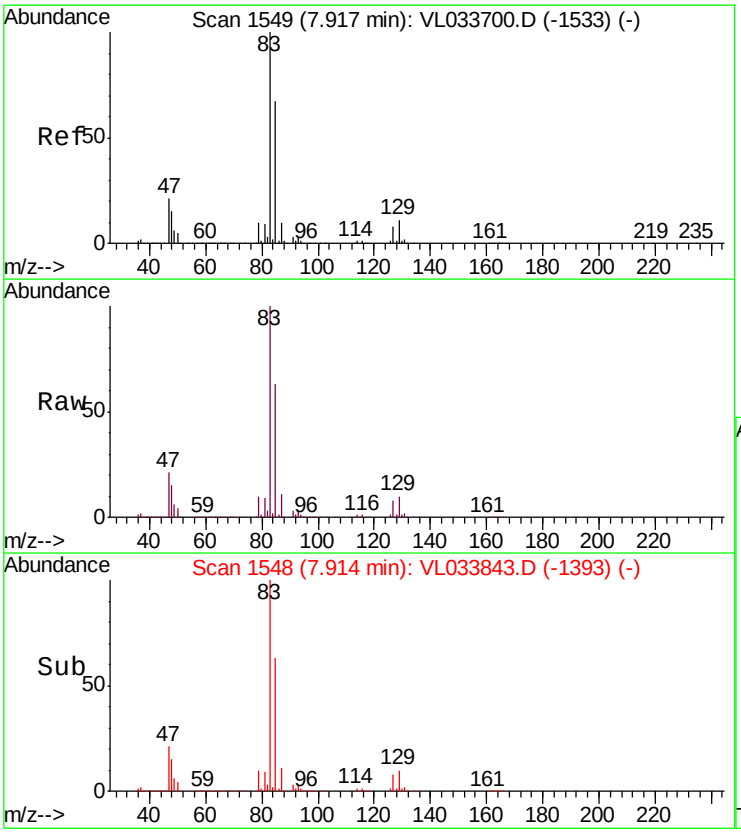
#41
Tetrahydrofuran
Concen: 11.239 ppbv
RT: 6.15 min Scan# 998
Delta R.T. 0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 42 Resp: 708433

Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.0	48.0
71	38.5	30.4	45.6

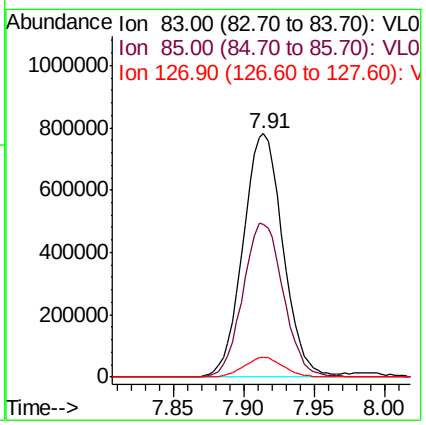


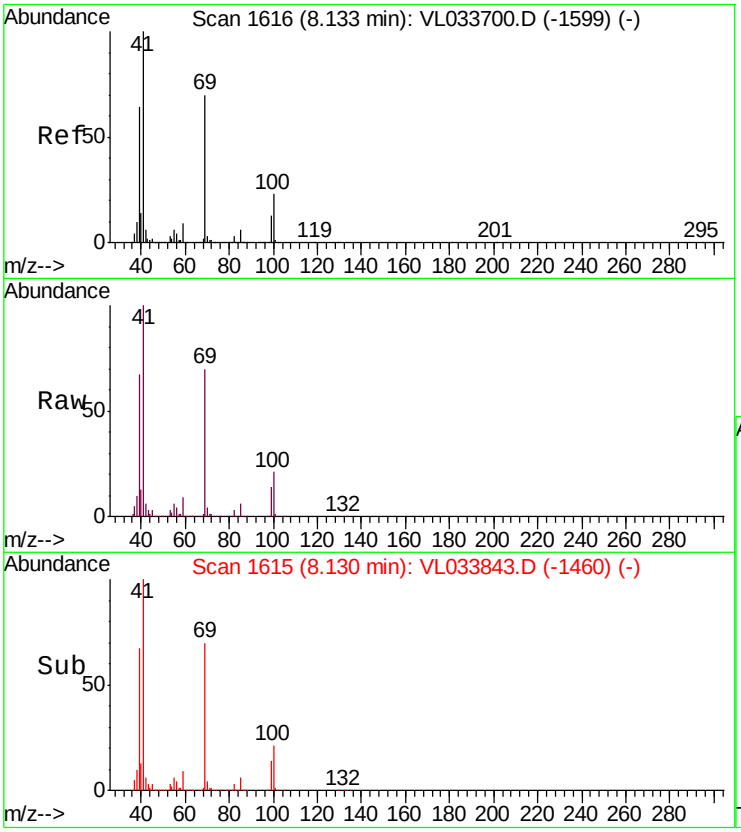


#42
Bromodichloromethane
Concen: 10.639 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 83 Resp: 1551133

Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.3	79.9
127	8.2	6.5	9.7



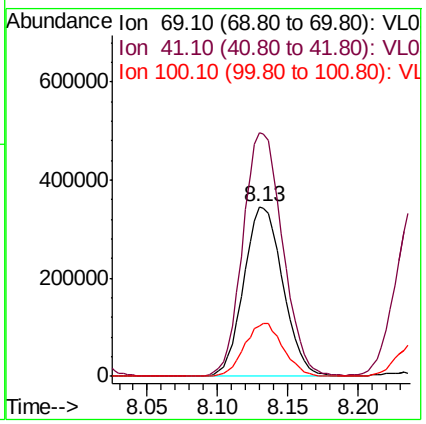


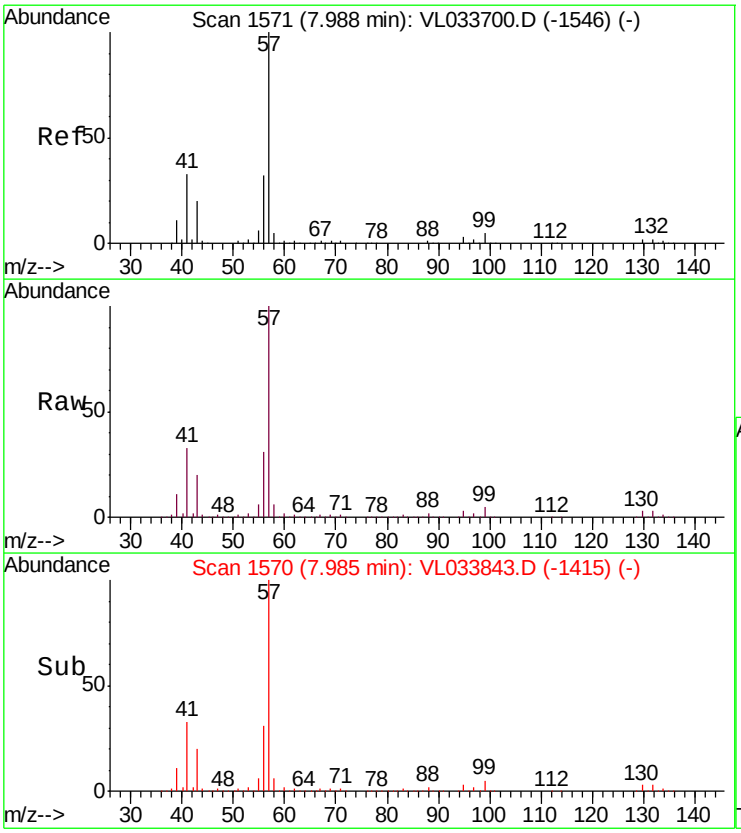
#43
Methyl Methacrylate
Concen: 11.060 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 69 Resp: 672015

Ion	Ratio	Lower	Upper
69	100		
41	146.1	116.3	174.5
100	31.0	25.3	37.9

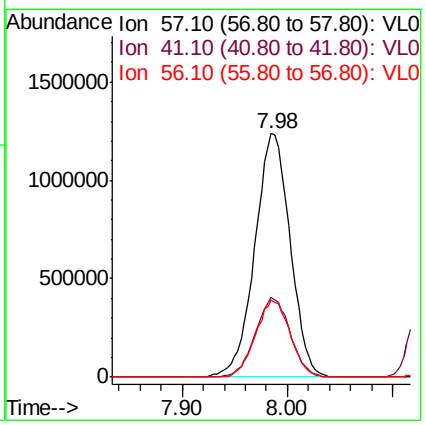


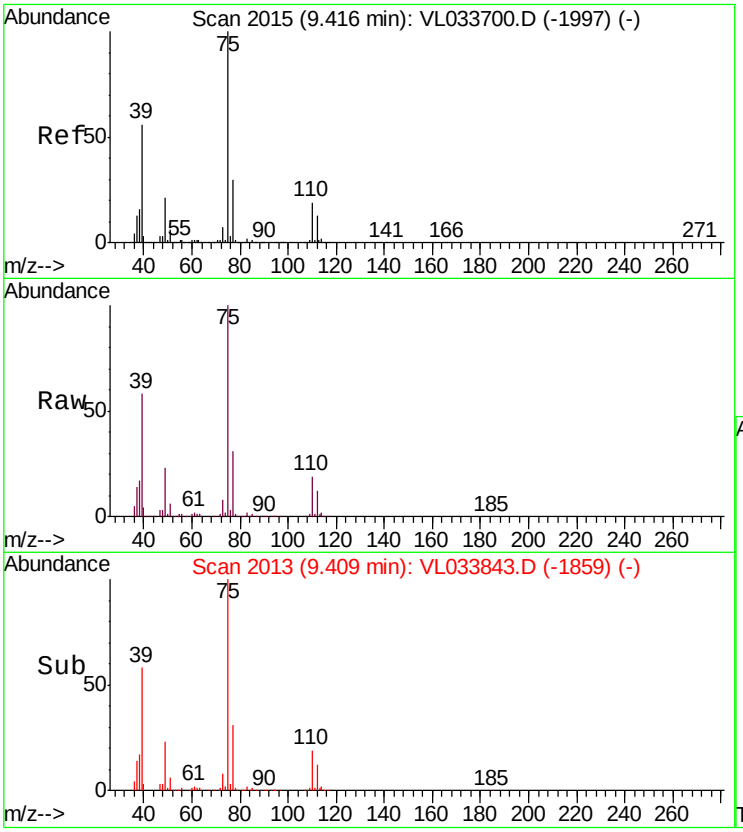


#44
2,2,4-Trimethylpentane
Concen: 10.350 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 57 Resp: 2887943

Ion	Ratio	Lower	Upper
57	100		
41	32.1	25.4	38.0
56	30.7	24.7	37.1



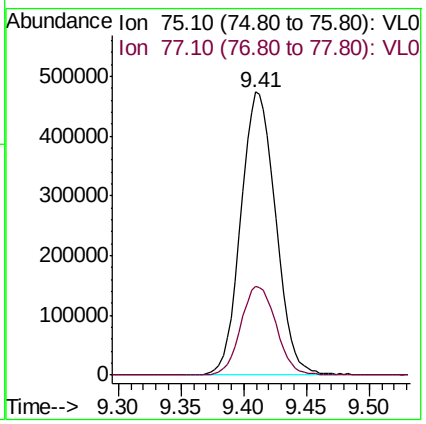


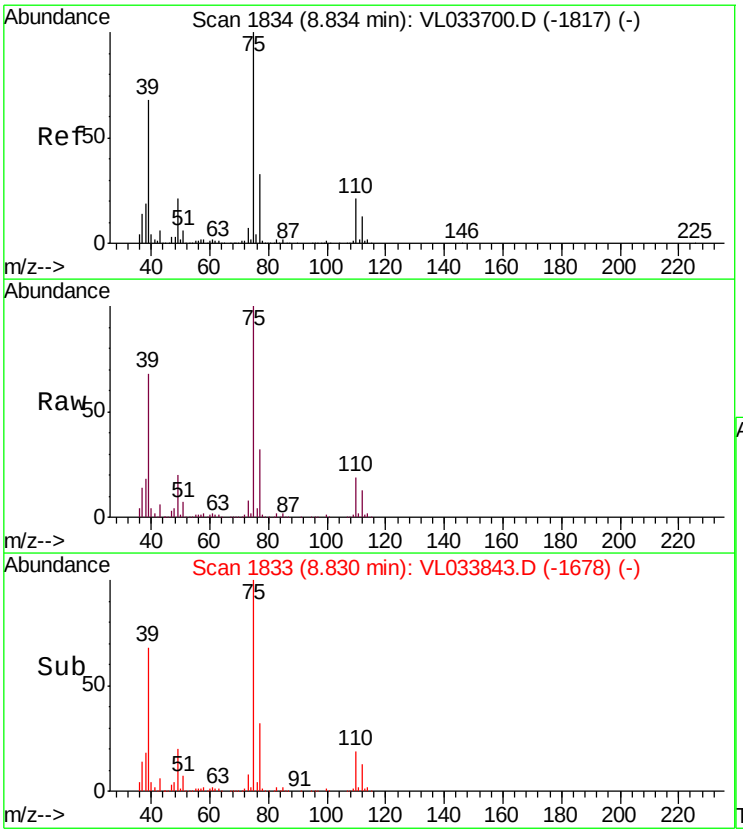
#45
t-1,3-Dichloropropene
Concen: 11.904 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion: 75 Resp: 916917

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.4	36.6

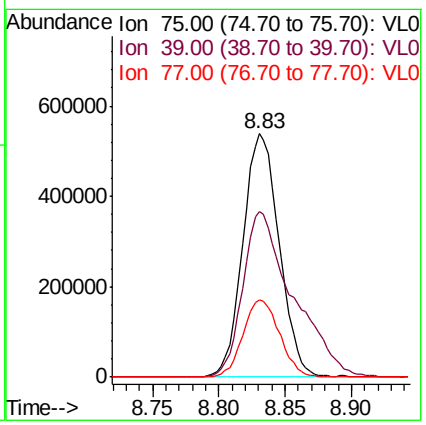


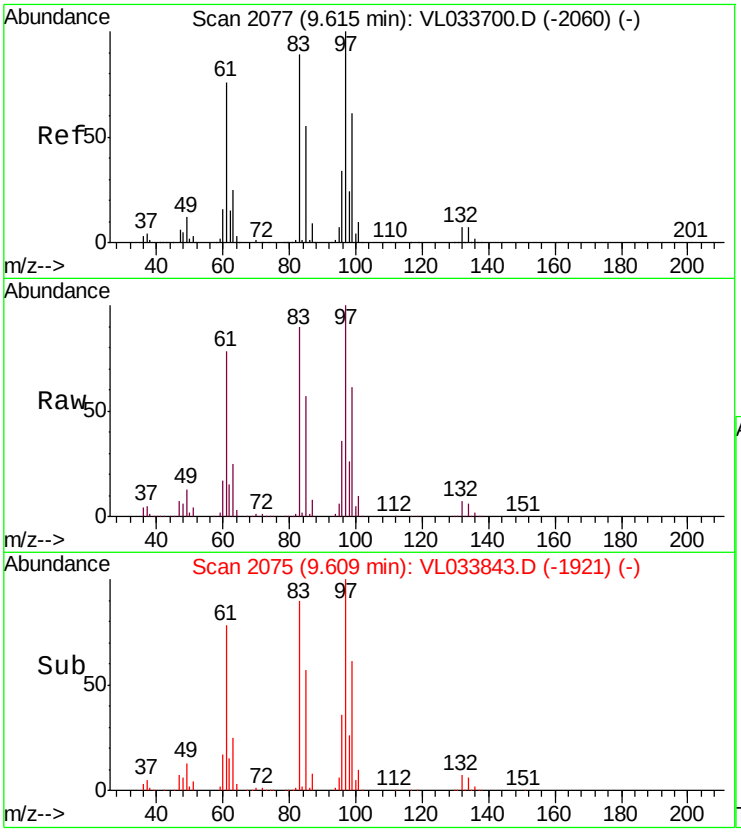


#46
cis-1,3-Dichloropropene
Concen: 11.344 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 75 Resp: 1023198

Ion	Ratio	Lower	Upper
75	100		
39	67.9	54.4	81.6
77	31.9	26.6	39.8



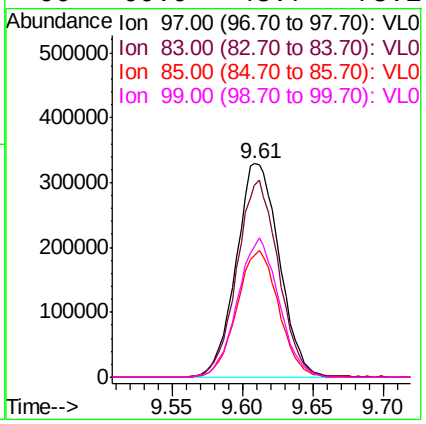


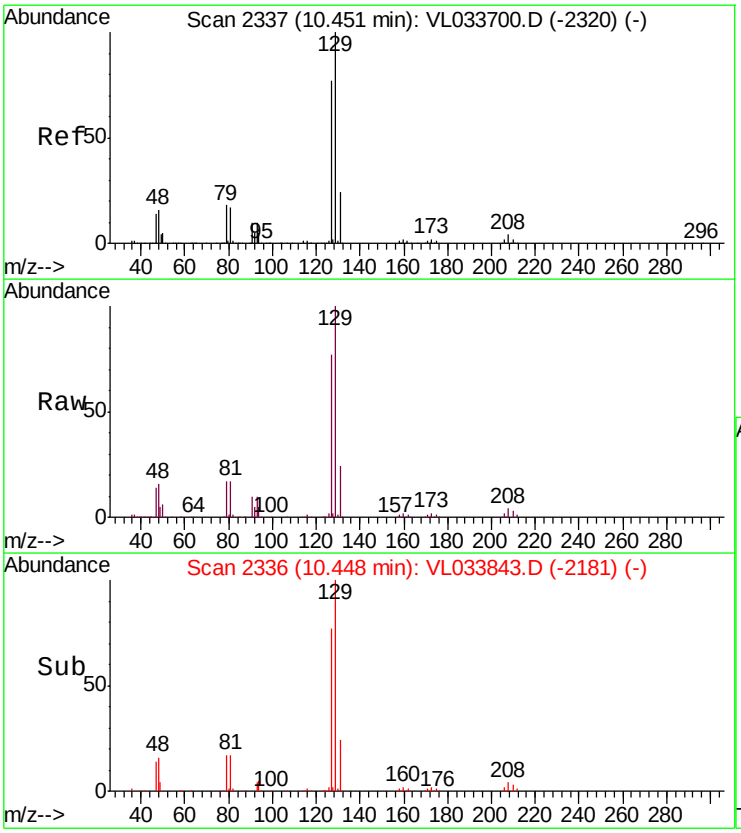
#47
1,1,2-Trichloroethane
Concen: 10.074 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion: 97 Resp: 704443

Ion	Ratio	Lower	Upper
97	100		
83	90.1	70.8	106.2
85	56.6	43.7	65.5
99	60.9	48.7	73.1

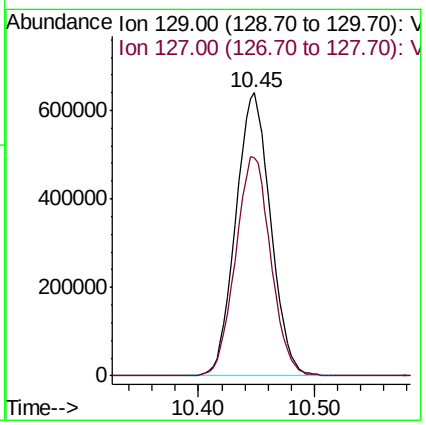


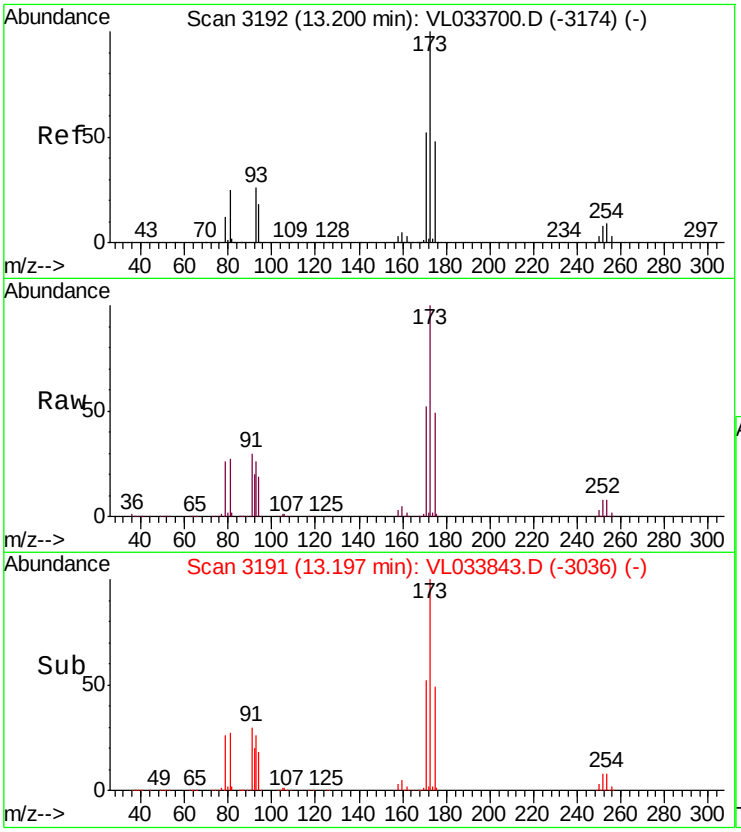


#48
Dibromochloromethane
Concen: 11.025 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:129 Resp: 1335826

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	116.0



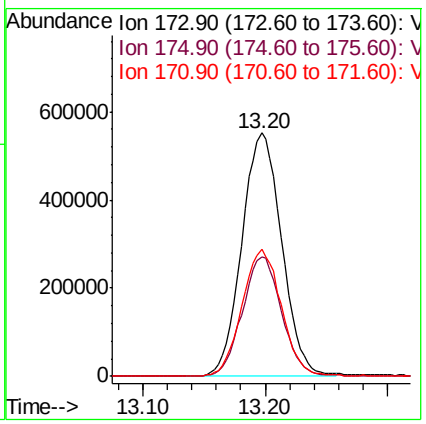


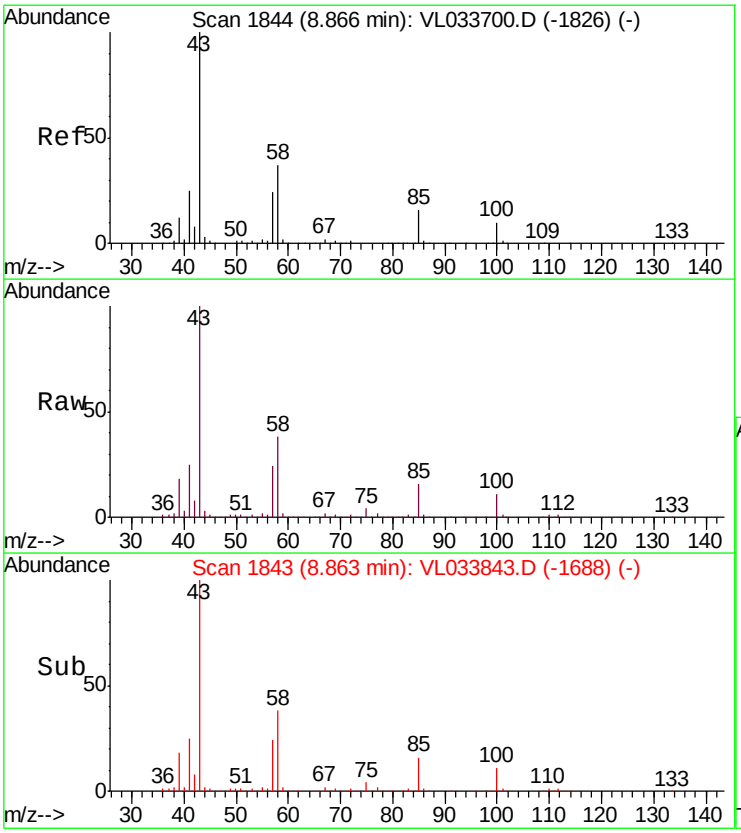
#49
Bromoform
Concen: 12.206 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion:173 Resp: 1244389

Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.6	58.0
171	51.8	41.5	62.3

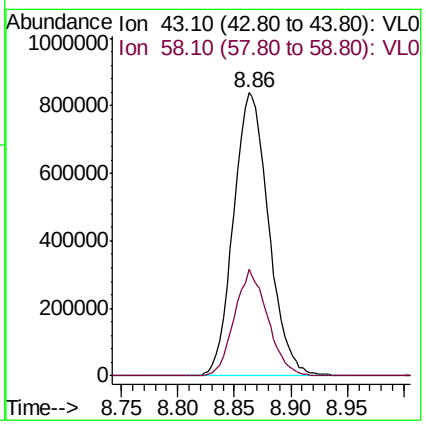


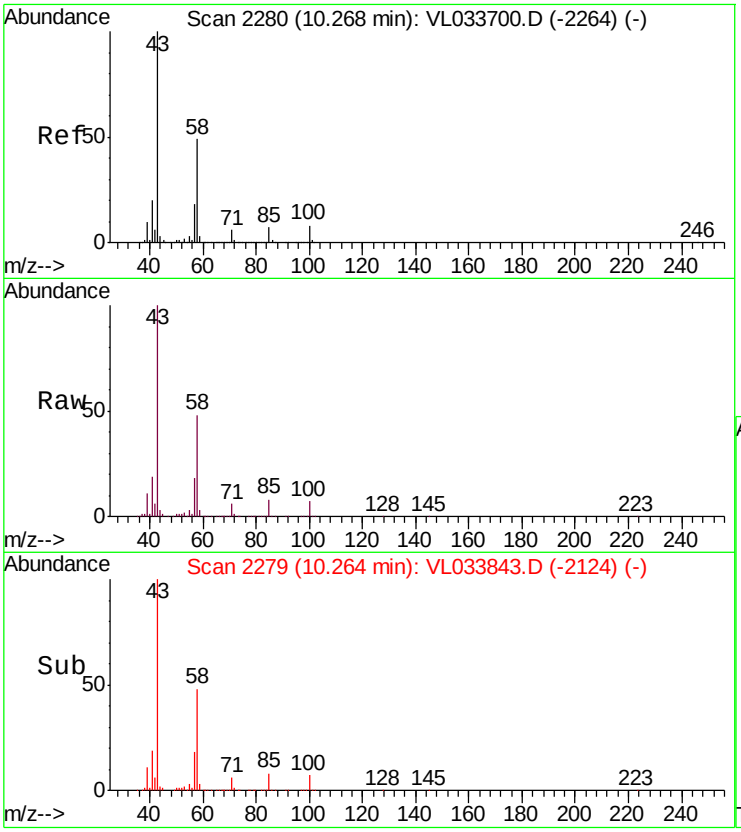


#50
4-Methyl-2-Pentanone
Concen: 10.477 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 43 Resp: 1812901

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	43.0



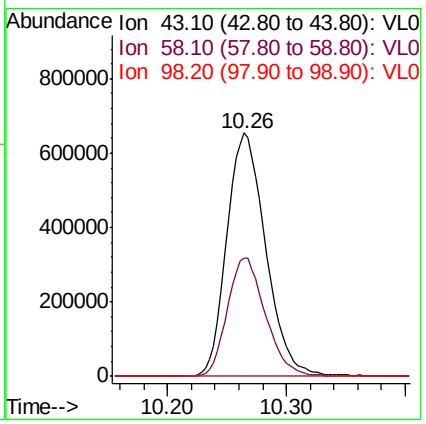


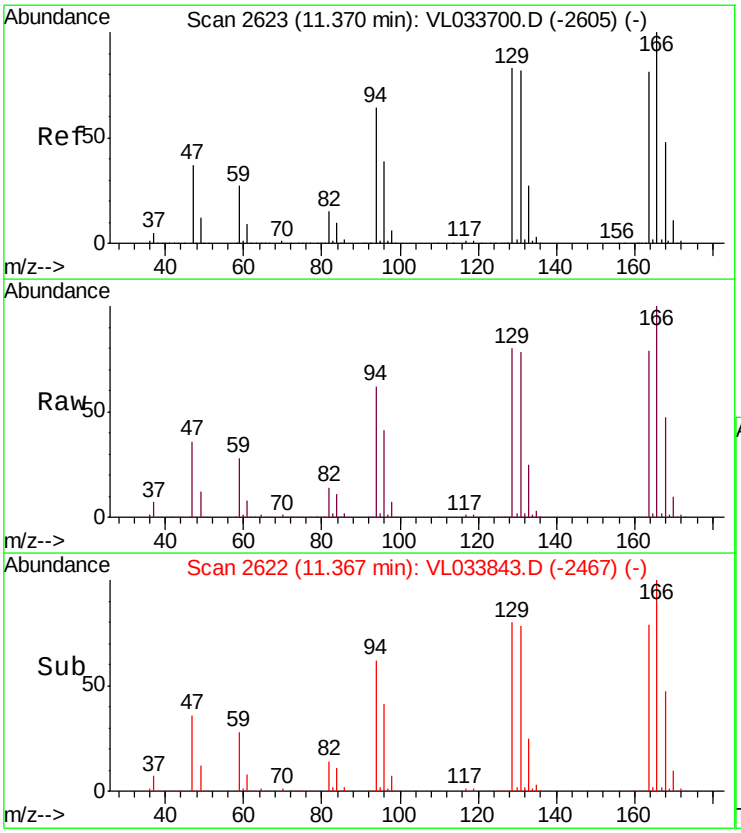
#51
2-Hexanone
Concen: 10.938 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion: 43 Resp: 1477137

Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.7	58.1
98	0.2	0.2	0.4#

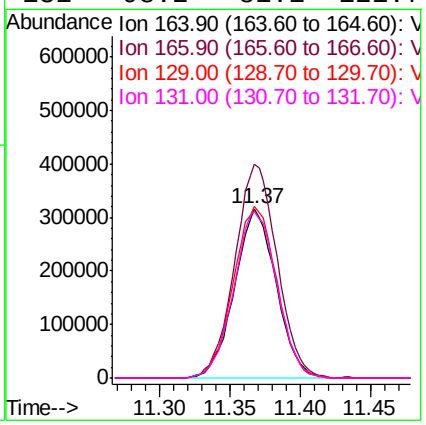


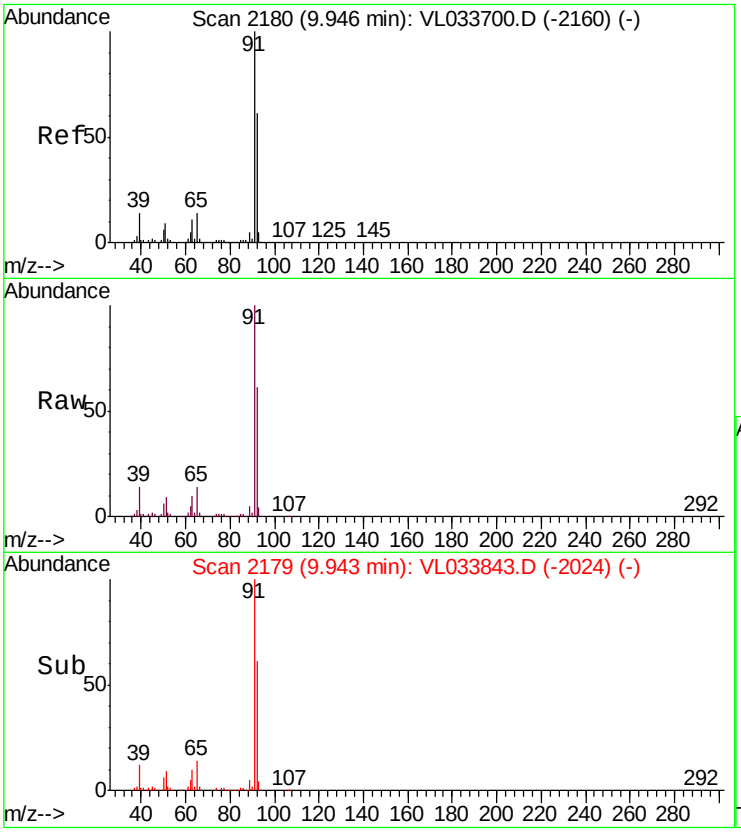


#52
Tetrachloroethene
Concen: 11.189 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:164 Resp: 649373

Ion	Ratio	Lower	Upper
164	100		
166	126.0	98.9	148.3
129	100.8	81.8	122.6
131	98.2	81.1	121.7



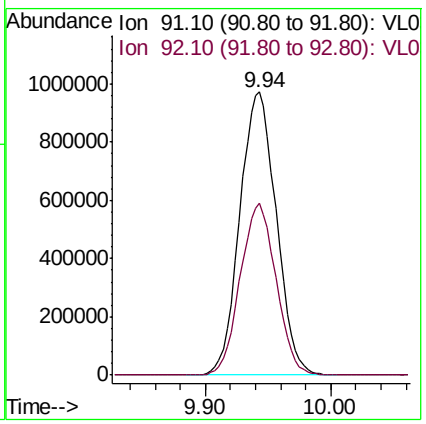


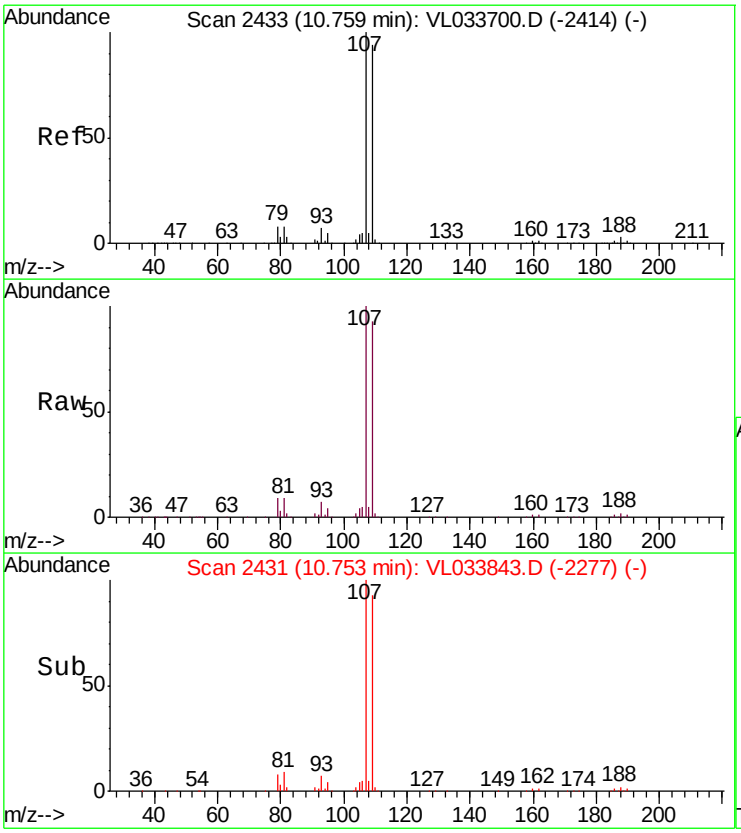
#53
Toluene
Concen: 11.033 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion: 91 Resp: 1964632

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.6	71.4

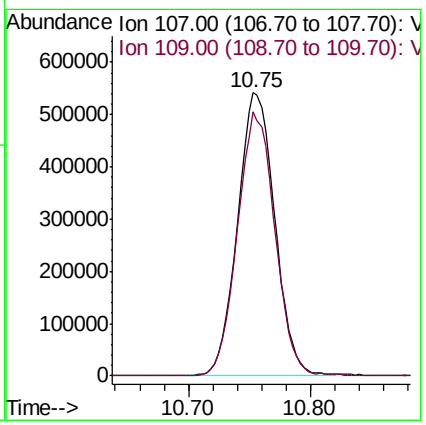


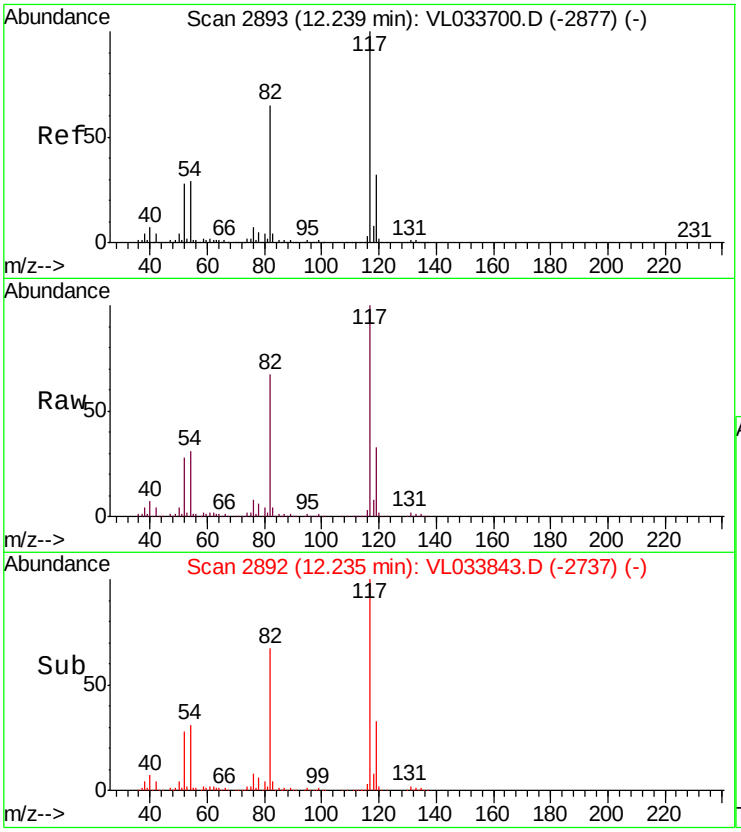


#54
1,2-Dibromoethane
Concen: 10.686 ppbv
RT: 10.75 min Scan# 2431
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:107 Resp: 1140306

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.2	112.8



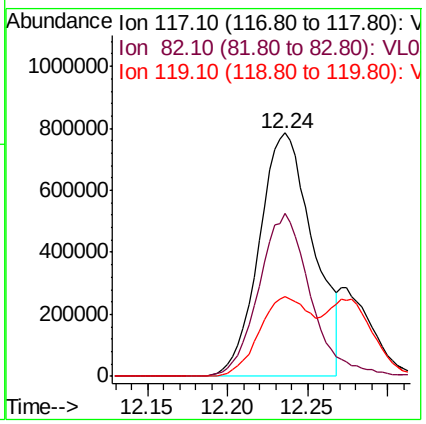


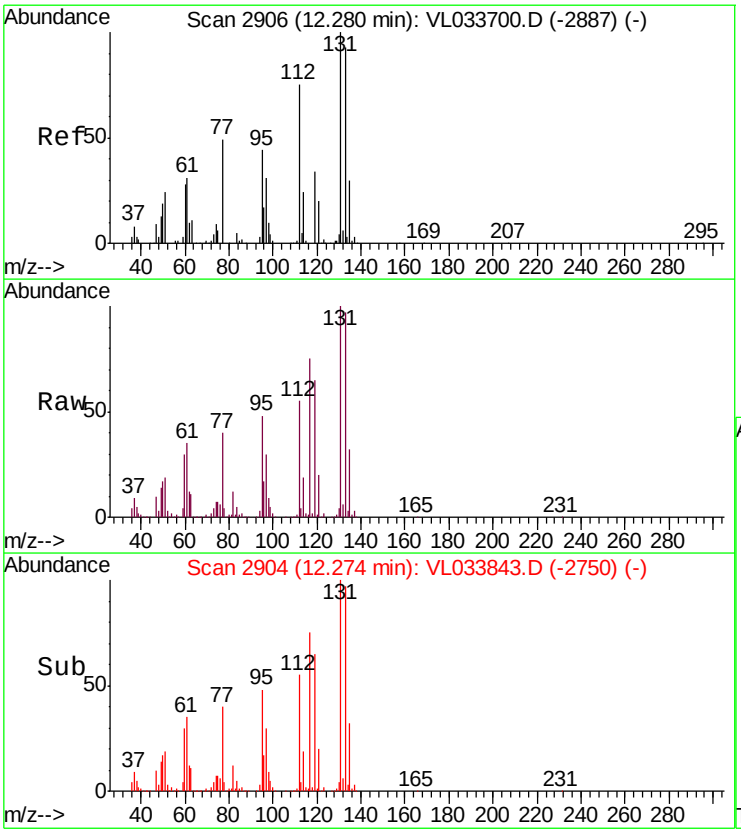
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion:117 Resp: 1846686

Ion	Ratio	Lower	Upper
117	100		
82	64.3	49.4	74.0
119	30.5	24.9	37.3

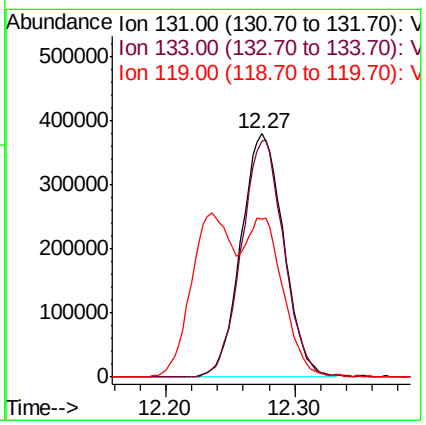


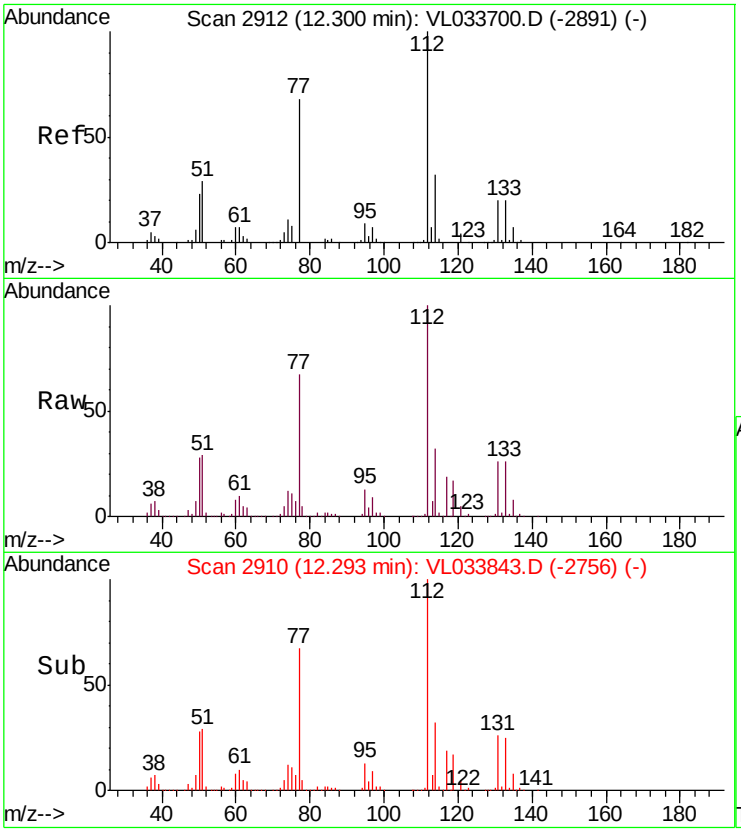


#56
1,1,1,2-Tetrachloroethane
Concen: 10.193 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:131 Resp: 870986

Ion	Ratio	Lower	Upper
131	100		
133	97.4	76.6	114.8
119	65.9	49.0	73.4



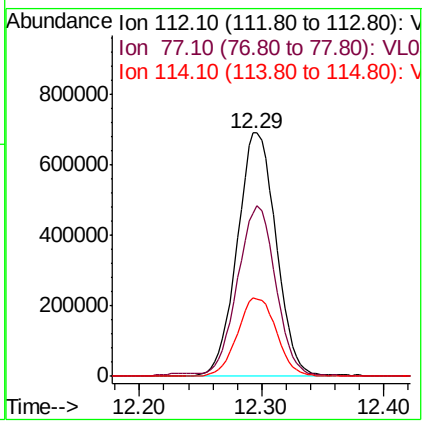


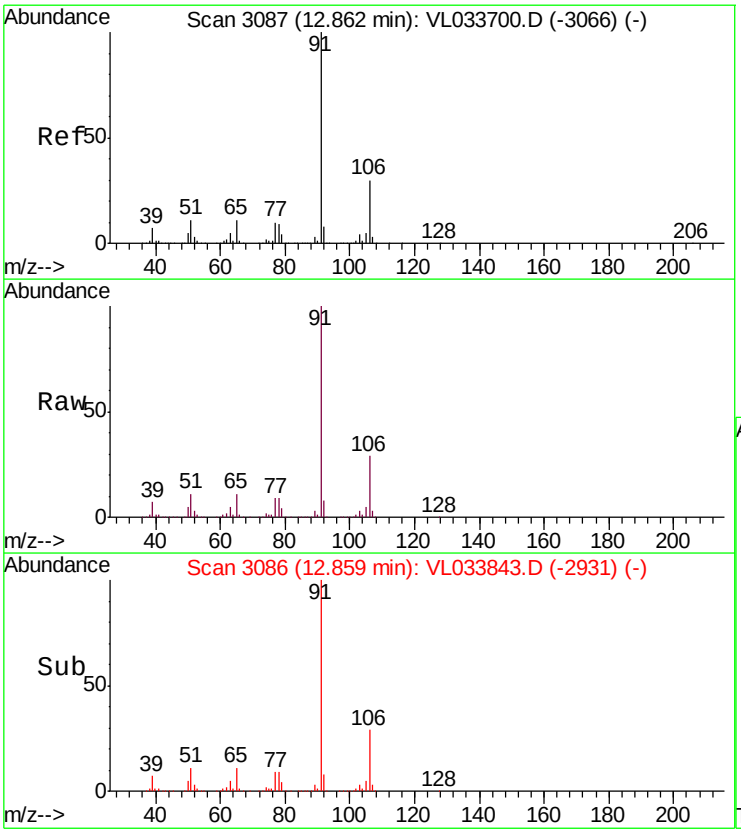
#57
Chlorobenzene
Concen: 9.972 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion:112 Resp: 1515794

Ion	Ratio	Lower	Upper
112	100		
77	66.4	55.4	83.0
114	32.3	29.3	35.8

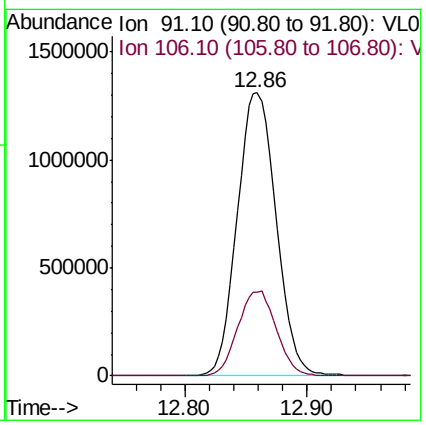


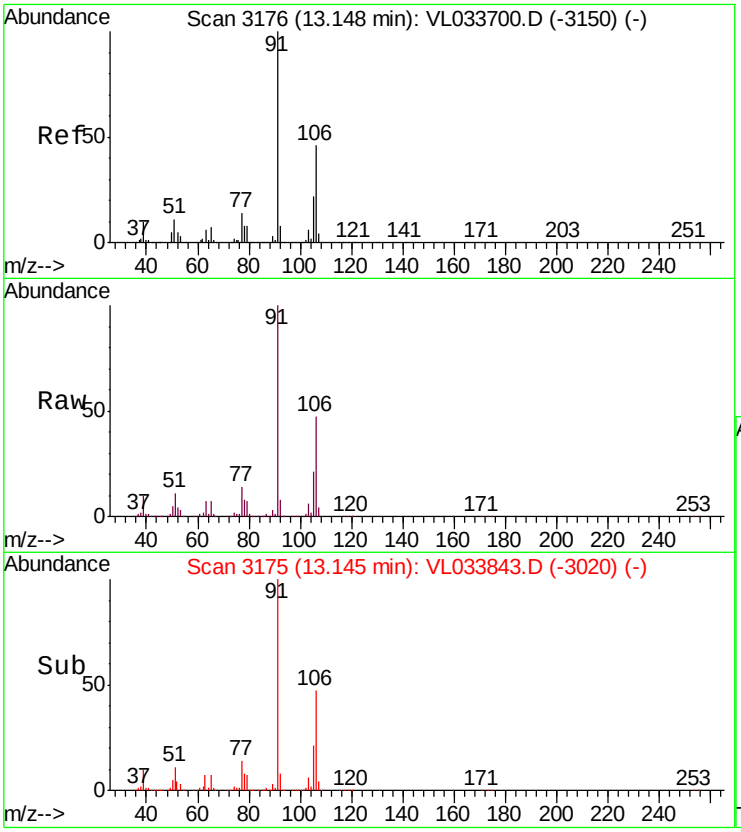


#58
Ethyl Benzene
Concen: 11.812 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 91 Resp: 2888575

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9



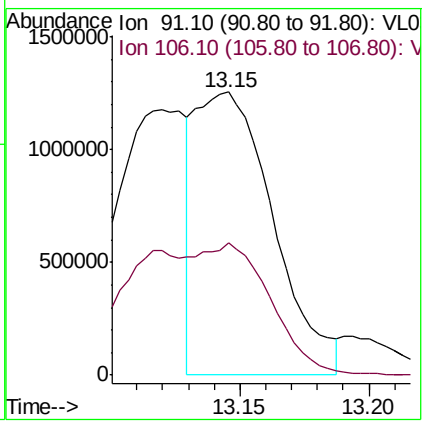


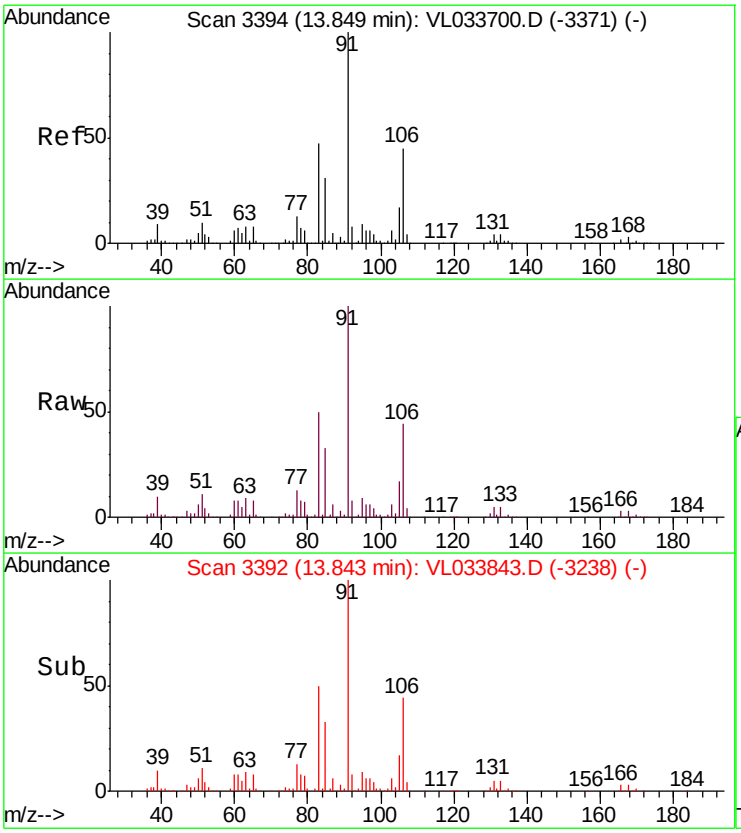
#59
m/p-Xylene
Concen: 12.203 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion: 91 Resp: 2608599

Ion	Ratio	Lower	Upper
91	100		
106	85.1	35.8	53.6#

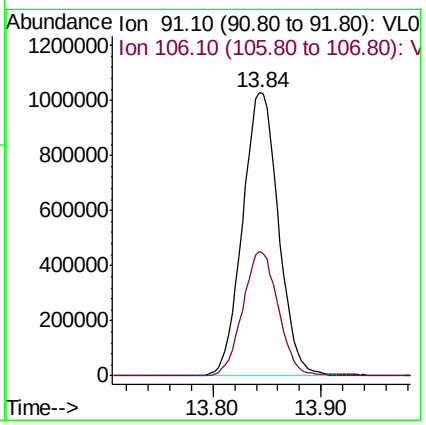


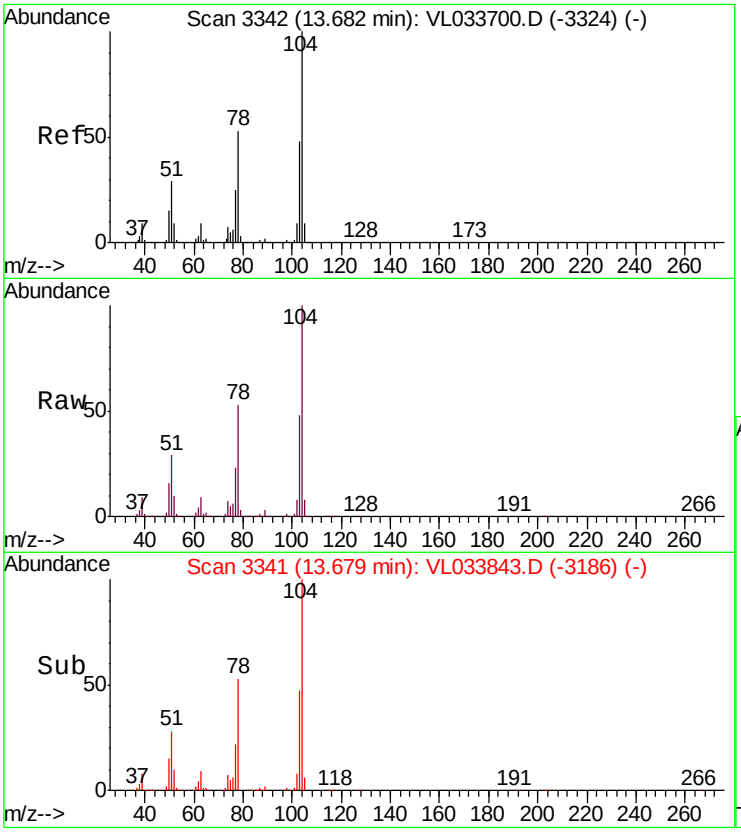


#60
o-Xylene
Concen: 11.048 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 91 Resp: 2380931

Ion	Ratio	Lower	Upper
91	100		
106	43.7	21.6	64.8



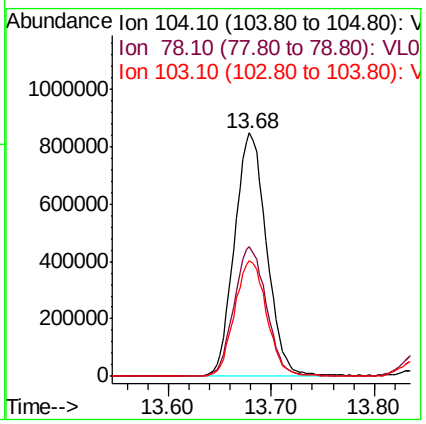


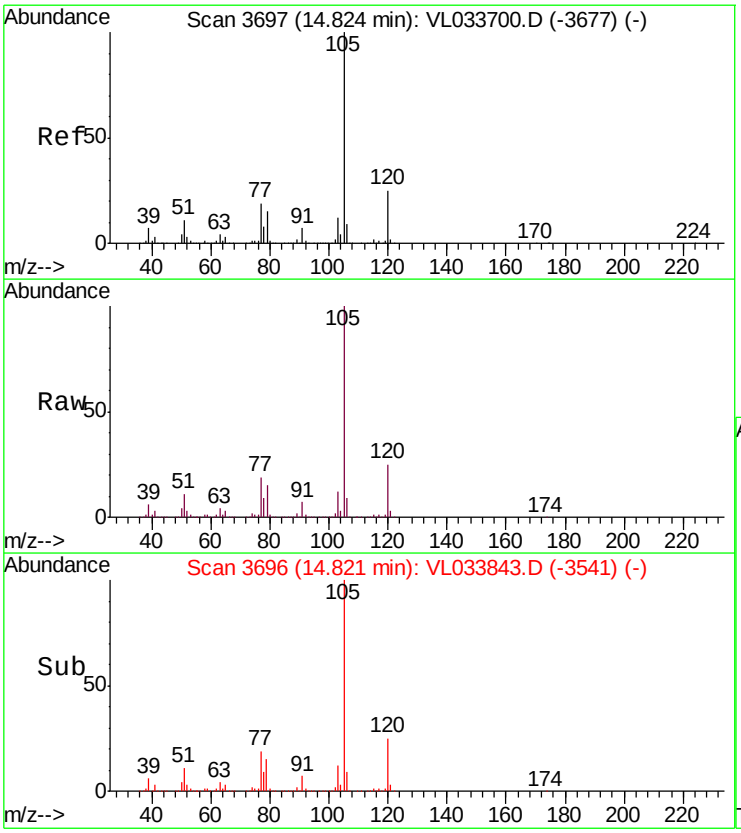
#61
Styrene
Concen: 12.676 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion:104 Resp: 1839119

Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.6	64.0
103	47.9	37.8	56.6

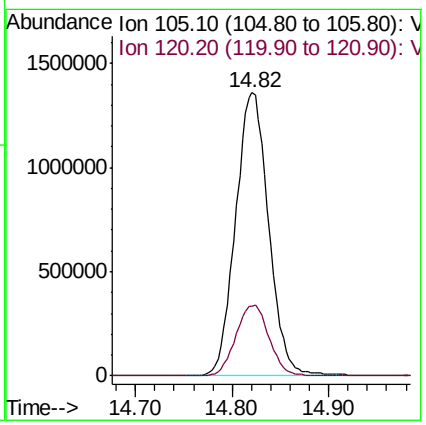


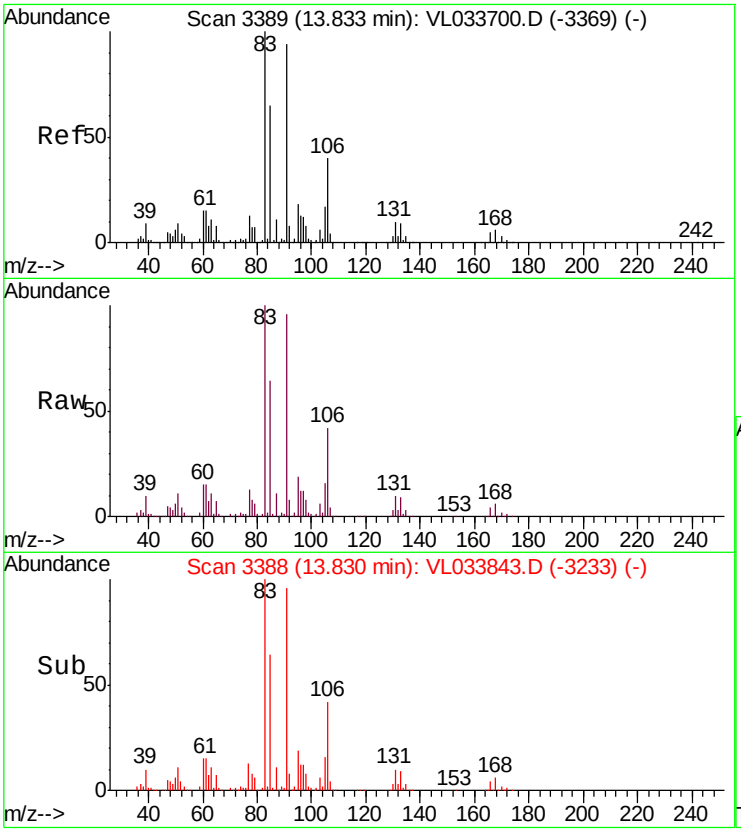


#62
Isopropylbenzene
Concen: 11.126 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:105 Resp: 3228811

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.1	30.1



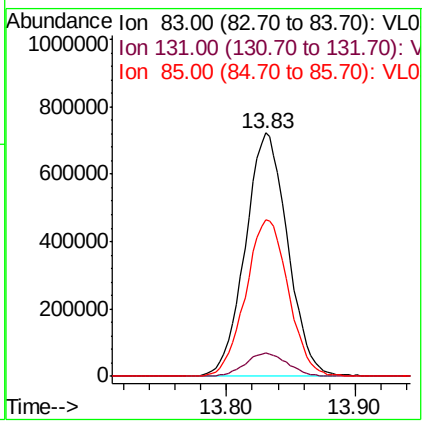


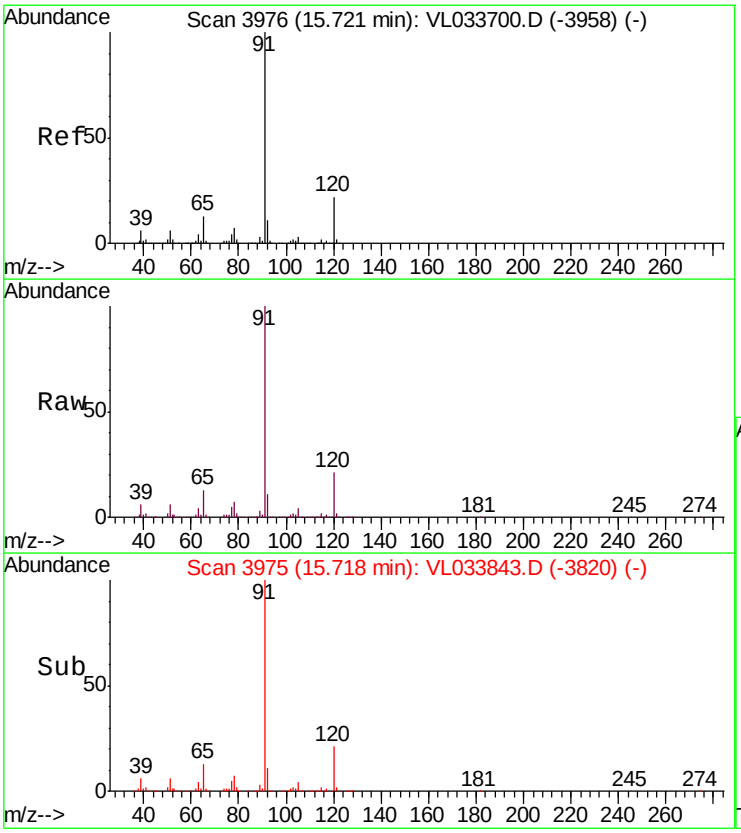
#63
1,1,2,2-Tetrachloroethane
Concen: 10.516 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 83 Resp: 1648029

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	65.3	32.3	96.9

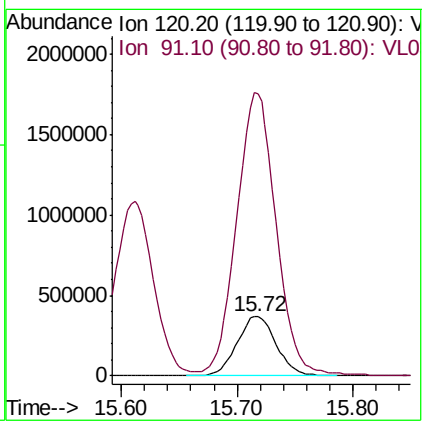


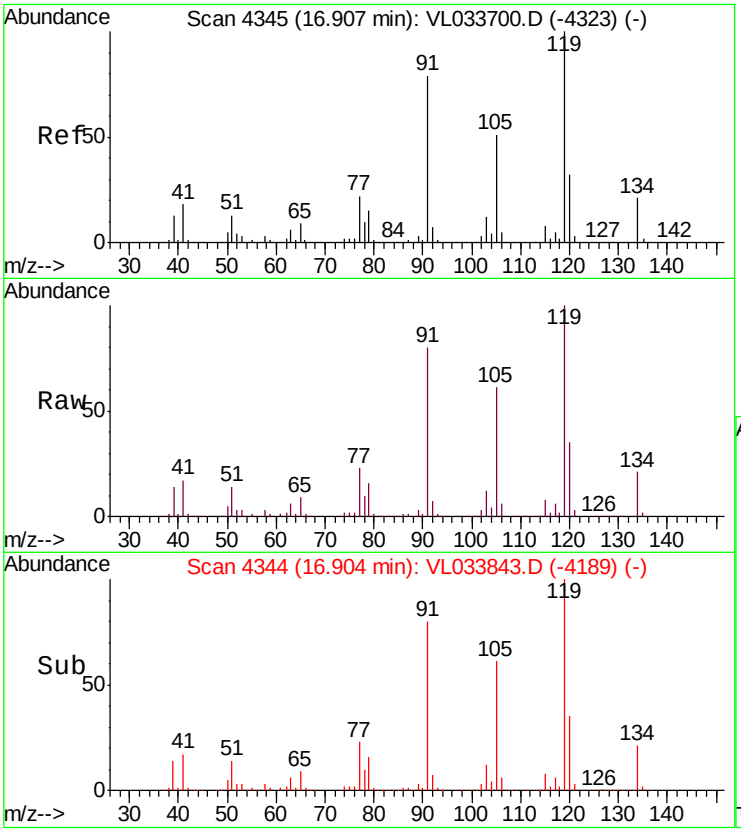


#64
n-propylbenzene
Concen: 11.539 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:120 Resp: 866181

Ion	Ratio	Lower	Upper
120	100		
91	484.9	379.1	568.7



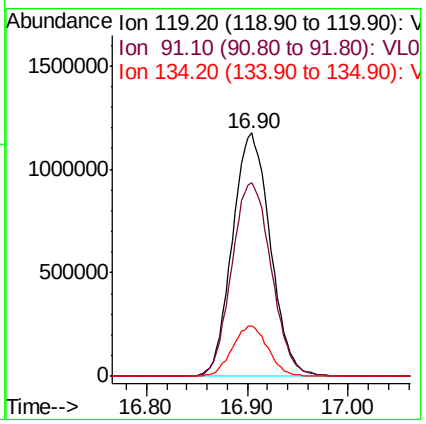


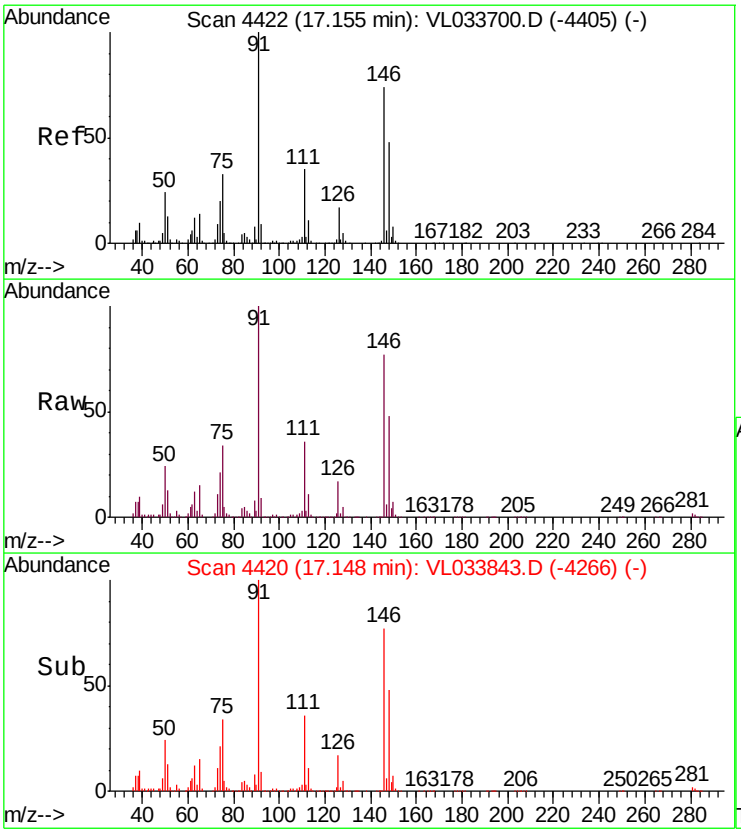
#65
tert-Butylbenzene
Concen: 11.592 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion:119 Resp: 3071450

Ion	Ratio	Lower	Upper
119	100		
91	83.1	65.3	97.9
134	19.6	15.7	23.5

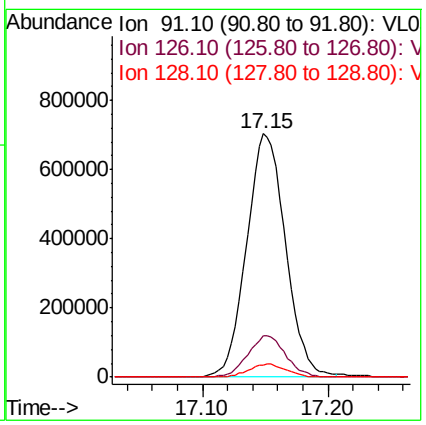


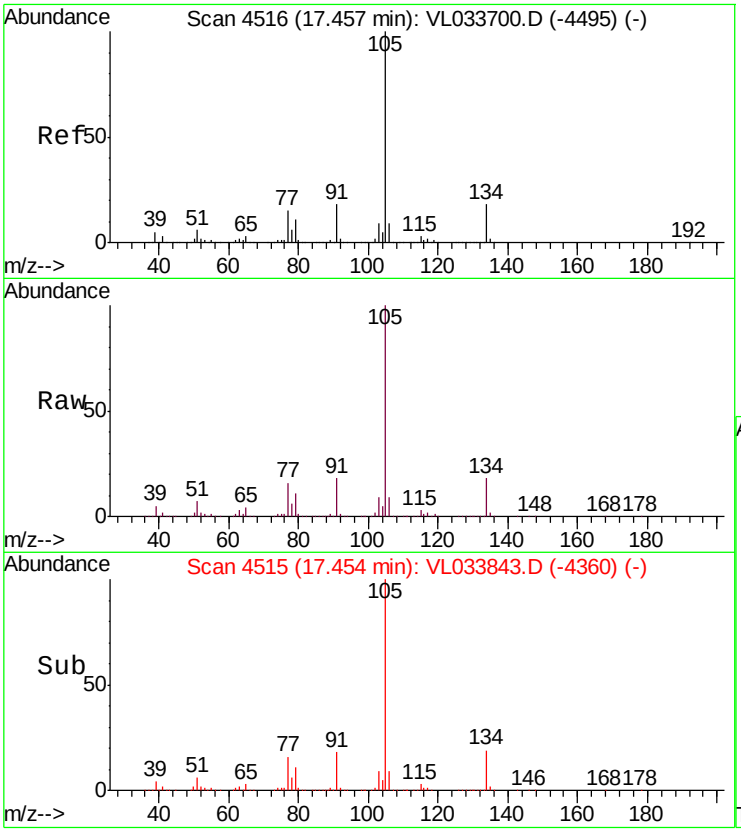


#66
Benzyl Chloride
Concen: 12.010 ppbv
RT: 17.15 min Scan# 4420
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 91 Resp: 1515639

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.5	20.3
128	5.3	4.3	6.5



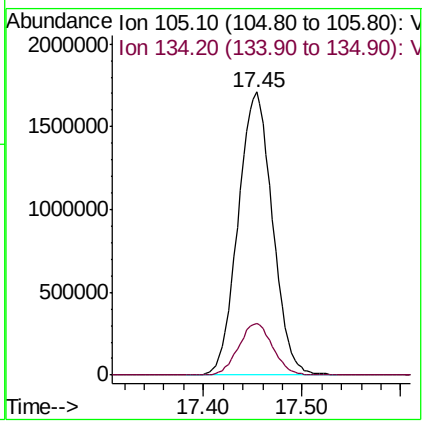


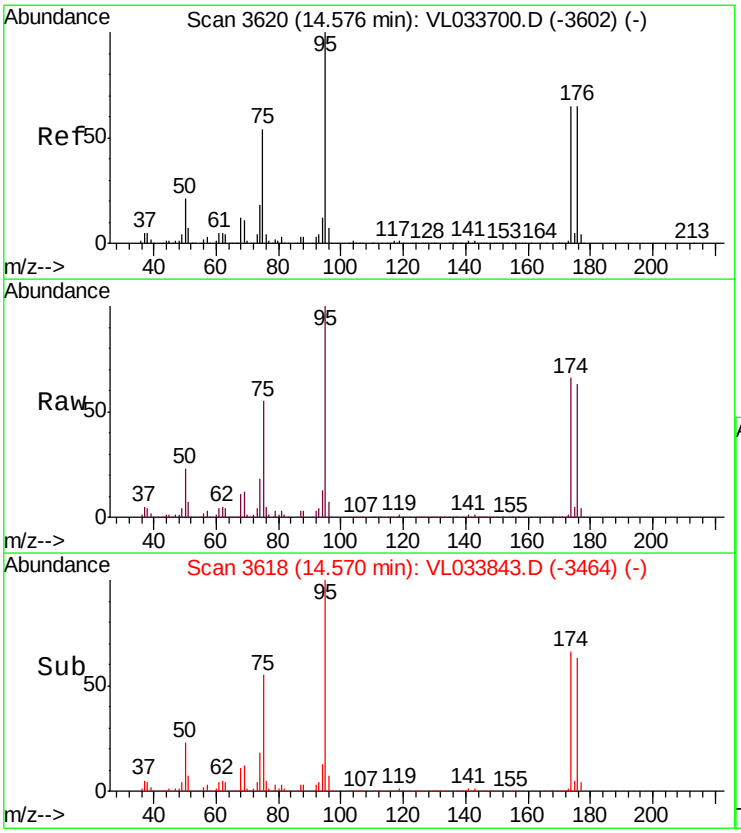
#67
sec-Butylbenzene
Concen: 11.120 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion:105 Resp: 4123983

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	22.0

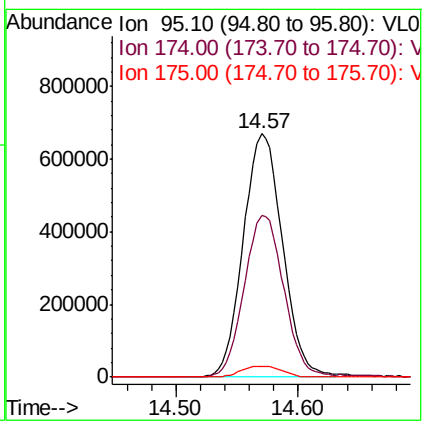


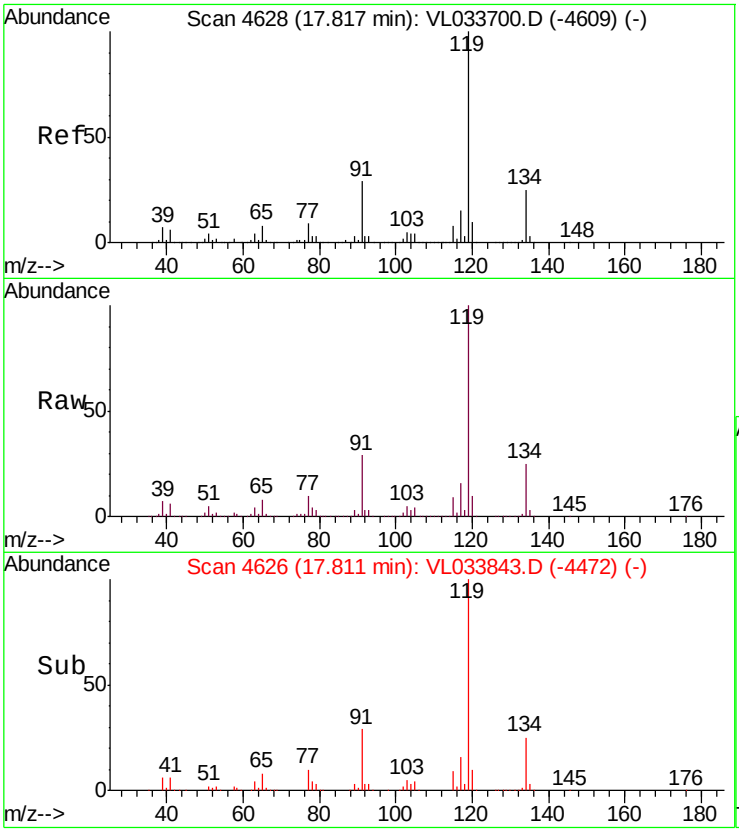


#68
1-Bromo-4-Fluorobenzene
Concen: 9.950 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 95 Resp: 1489575

Ion	Ratio	Lower	Upper
95	100		
174	67.7	53.9	80.9
175	4.8	3.8	5.8



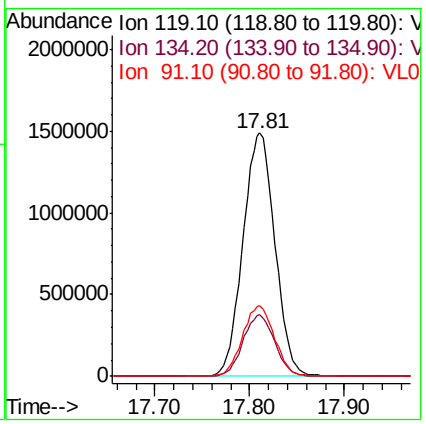


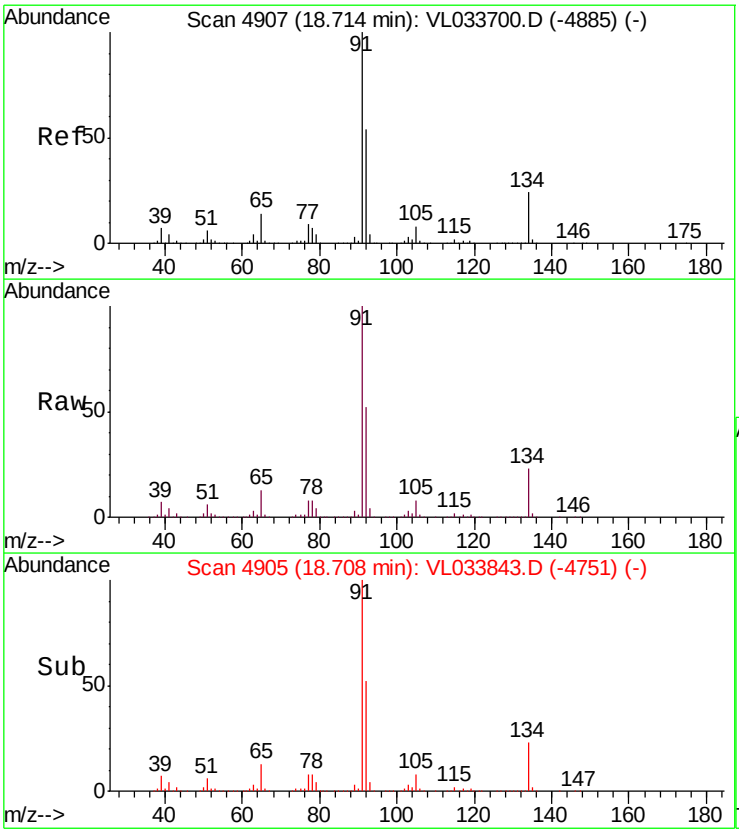
#69
p-Isopropyltoluene
Concen: 11.384 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion:119 Resp: 3489379

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	29.1	23.1	34.7

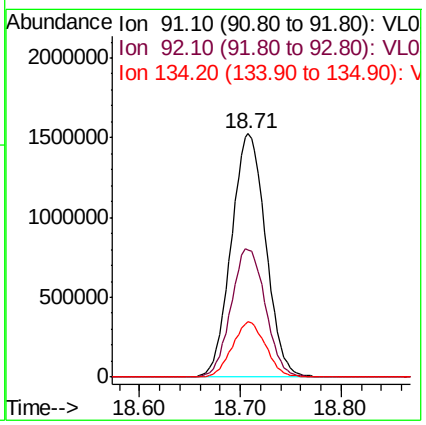


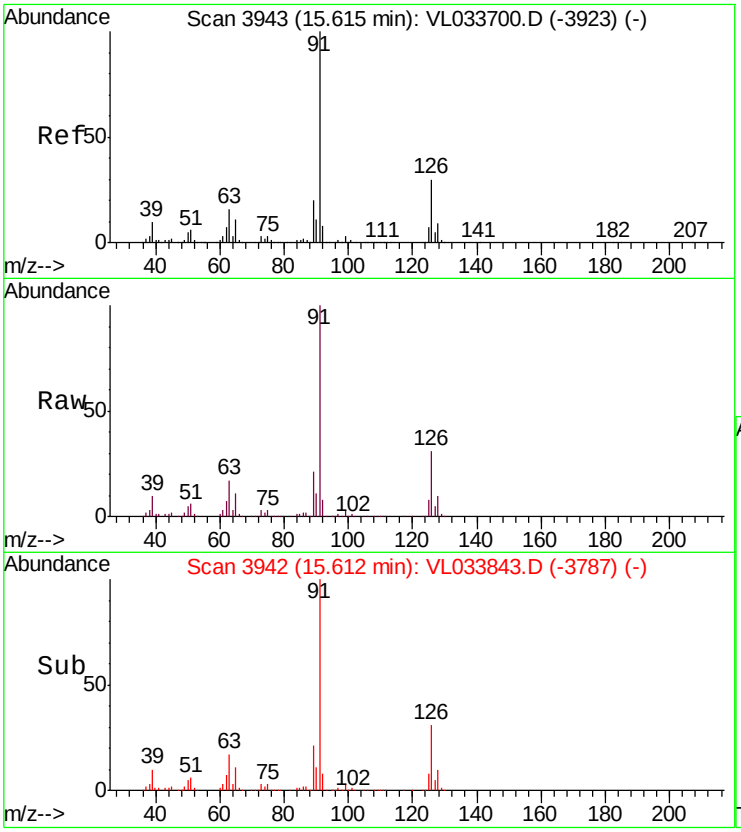


#70
n-Butylbenzene
Concen: 10.949 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion: 91 Resp: 3598991

Ion	Ratio	Lower	Upper
91	100		
92	52.7	42.6	63.8
134	22.2	18.1	27.1



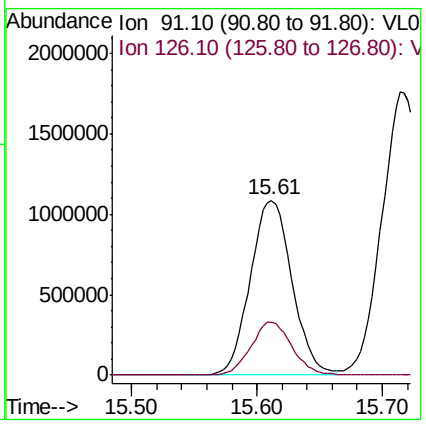


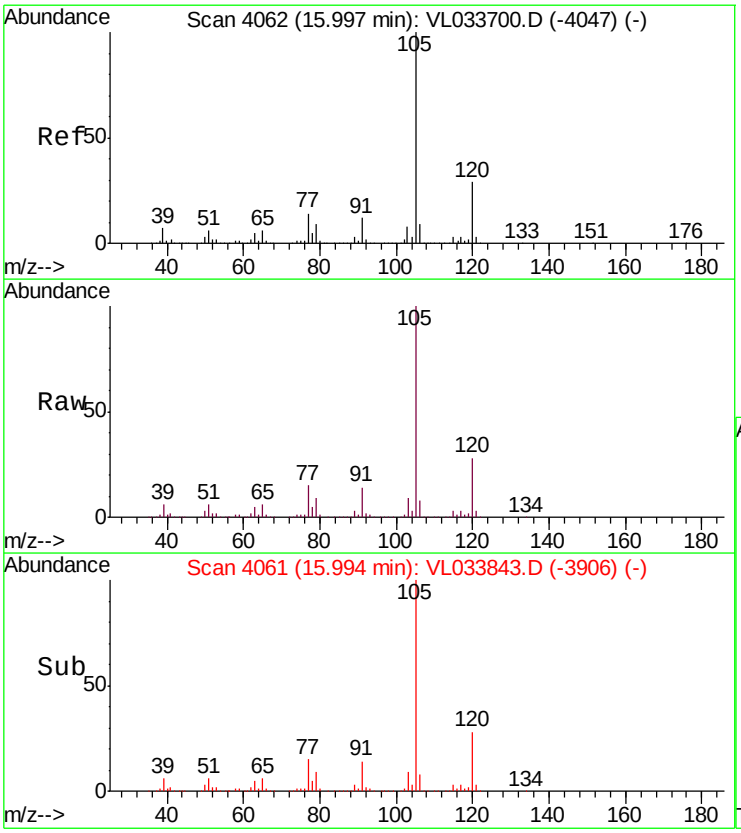
#71
2-Chlorotoluene
Concen: 11.699 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 91 Resp: 2519000

Ion	Ratio	Lower	Upper
91	100		
126	30.2	12.0	47.8

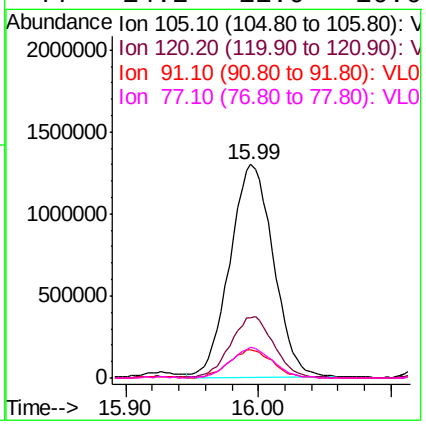


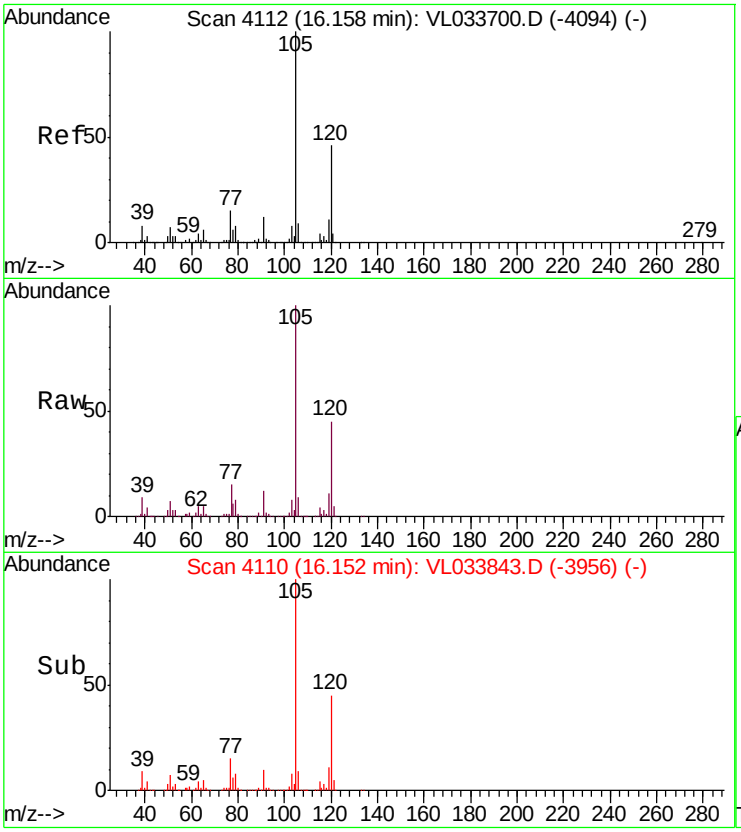


#72
4-Ethyltoluene
Concen: 11.988 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:105 Resp: 2953779

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.1	34.7
91	13.3	10.4	15.6
77	14.2	11.0	16.6



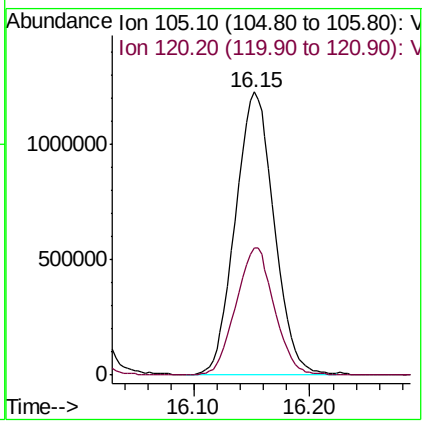


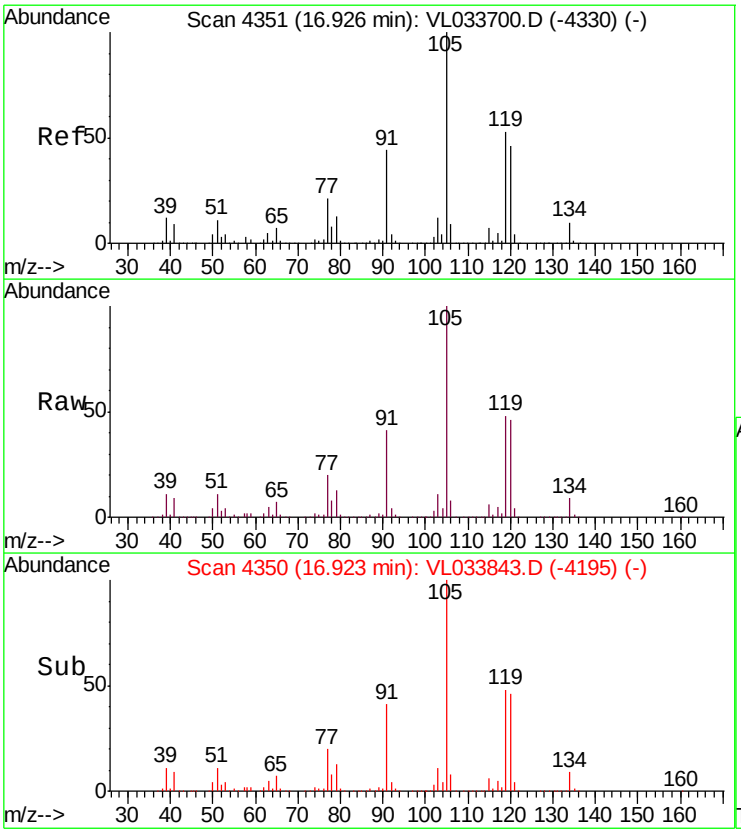
#73
1,3,5-Trimethylbenzene
Concen: 11.794 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion:105 Resp: 2835238

Ion	Ratio	Lower	Upper
105	100		
120	45.2	37.0	55.4

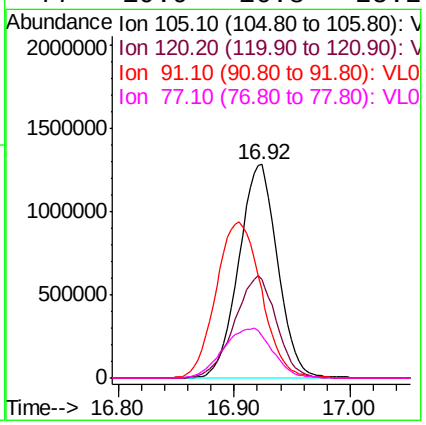


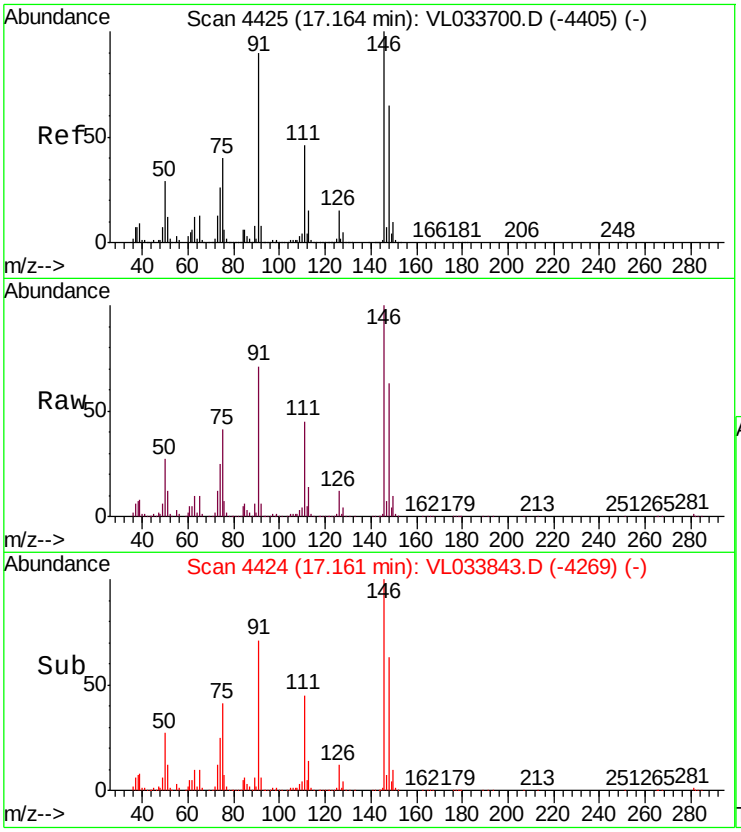


#74
1,2,4-Trimethylbenzene
Concen: 11.398 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:105 Resp: 2982040

Ion	Ratio	Lower	Upper
105	100		
120	45.9	36.8	55.2
91	41.0	35.4	53.0
77	19.9	16.8	25.2



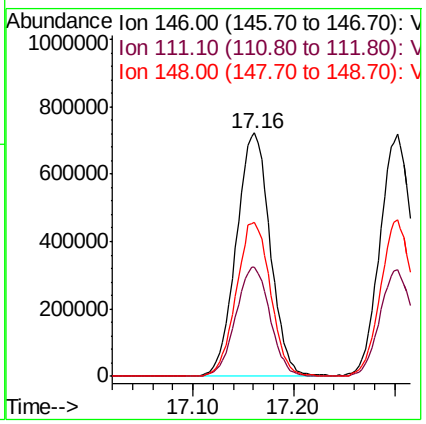


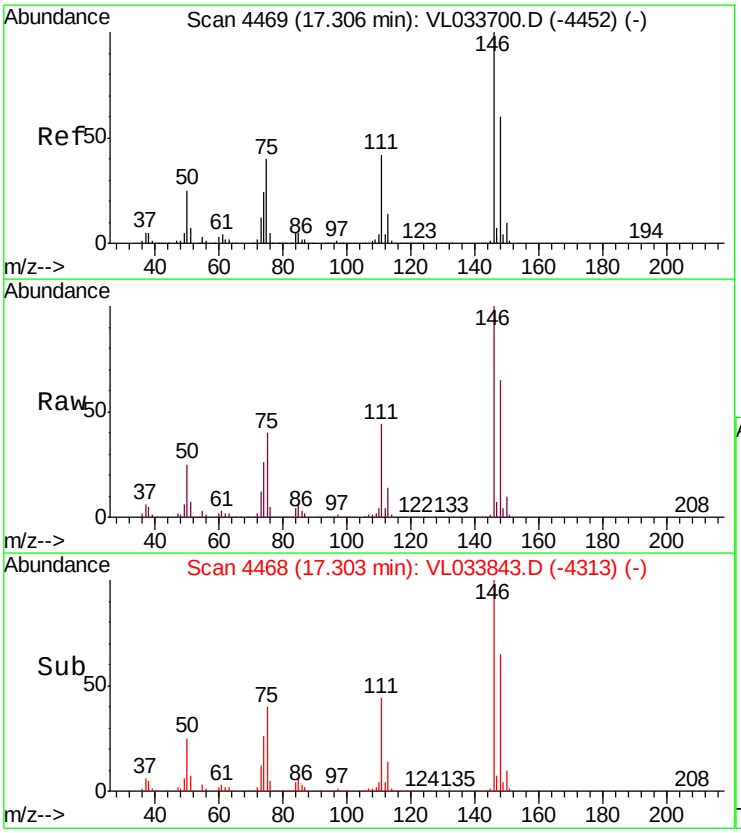
#75
1,3-Dichlorobenzene
Concen: 10.486 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion:146 Resp: 1681177

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.9	68.8
148	64.0	32.0	96.2

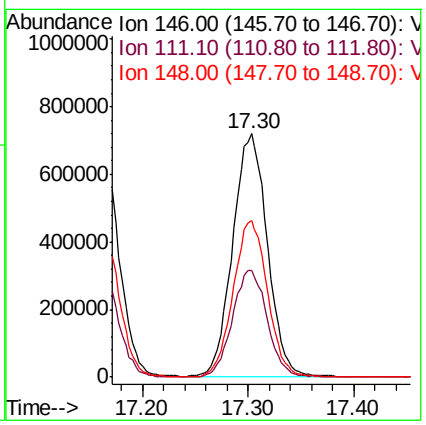


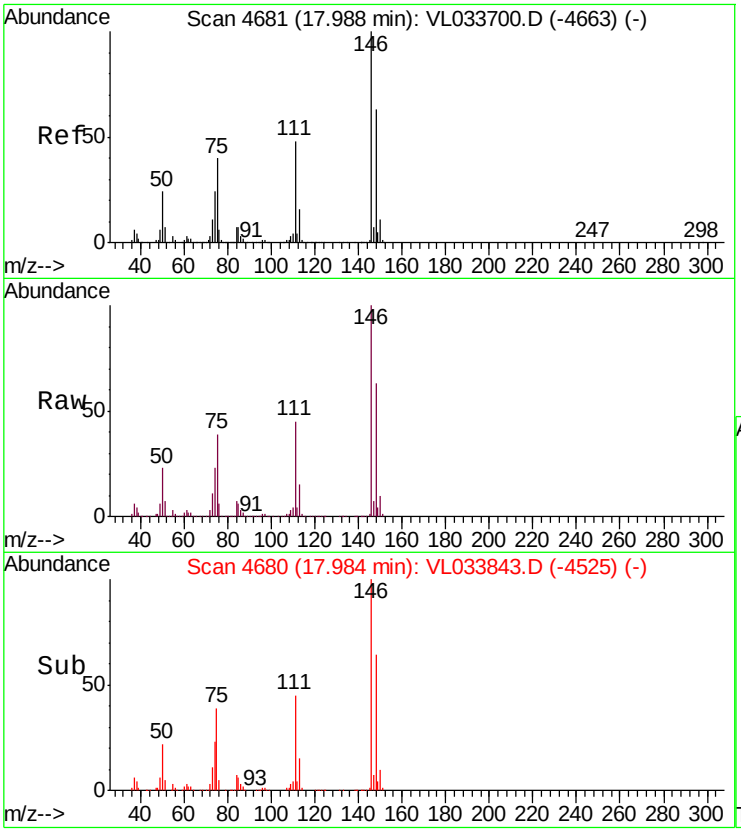


#76
1,4-Dichlorobenzene
Concen: 10.749 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:146 Resp: 1637898

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.8
148	64.3	32.1	96.3



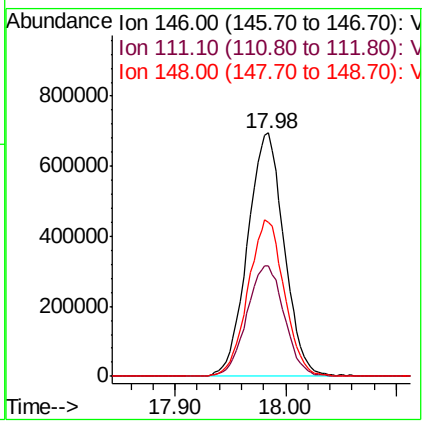


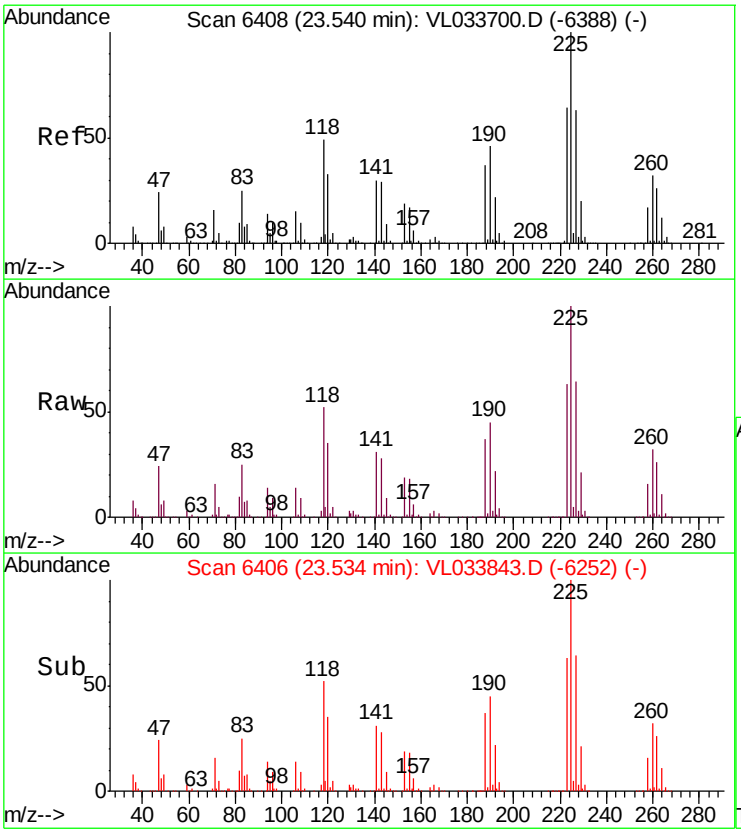
#77
1,2-Dichlorobenzene
Concen: 10.569 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument : MSVOA_L
ClientSampleId : VL0529ABS01

Tgt Ion:146 Resp: 1592143

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.5	70.5
148	64.1	32.1	96.3

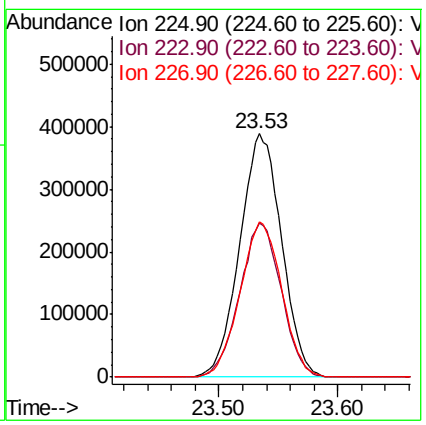


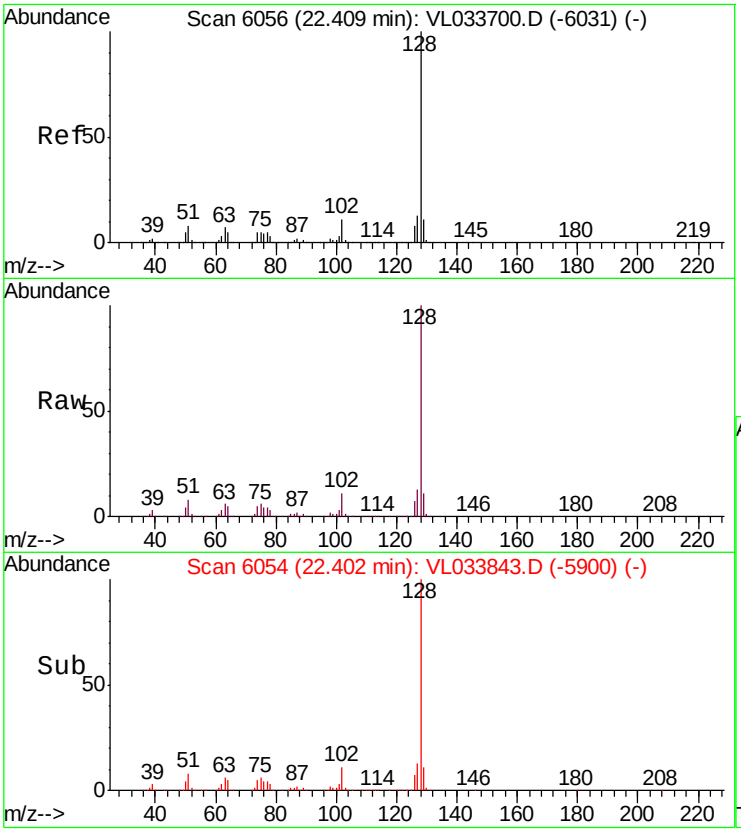


#78
Hexachloro-1,3-Butadiene
Concen: 8.303 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:225 Resp: 945705

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.2	75.4
227	63.5	50.7	76.1



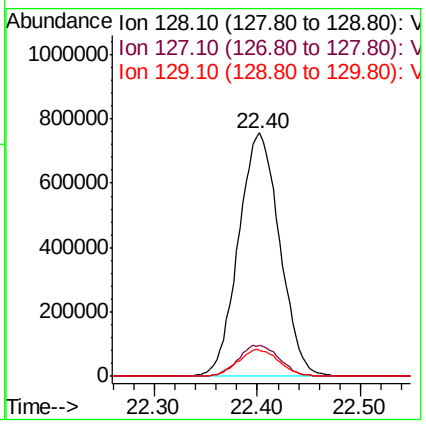


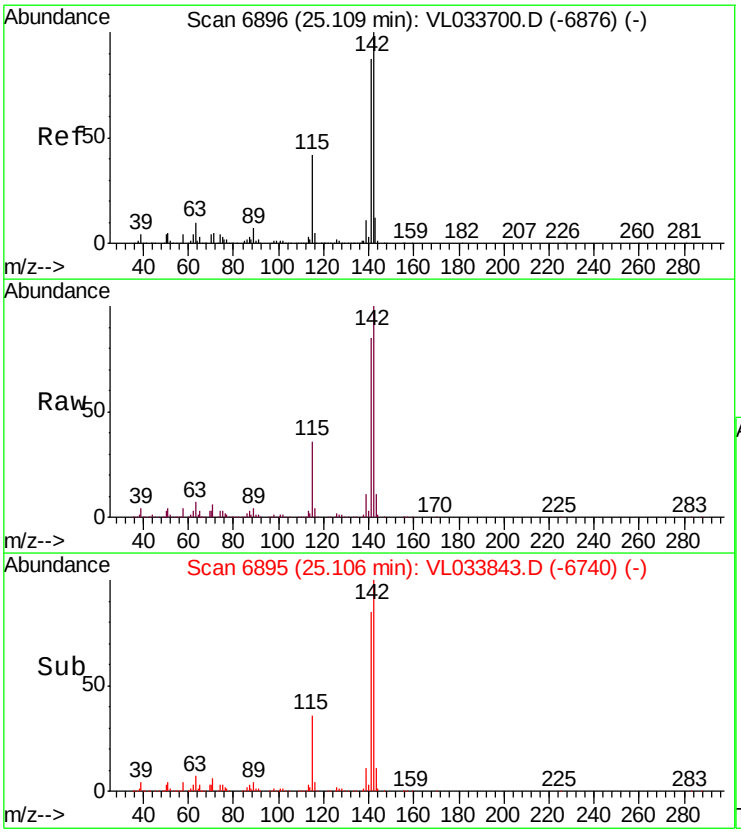
#79
Naphthalene
Concen: 8.625 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion:128 Resp: 2096007

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.7	8.9	13.3

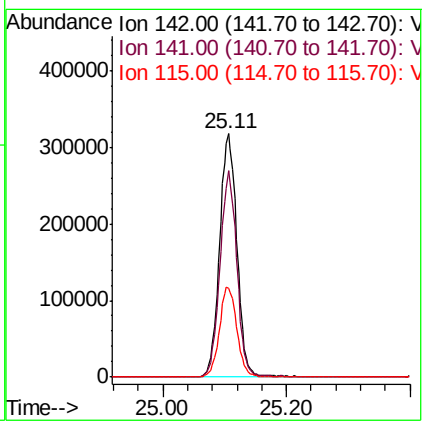


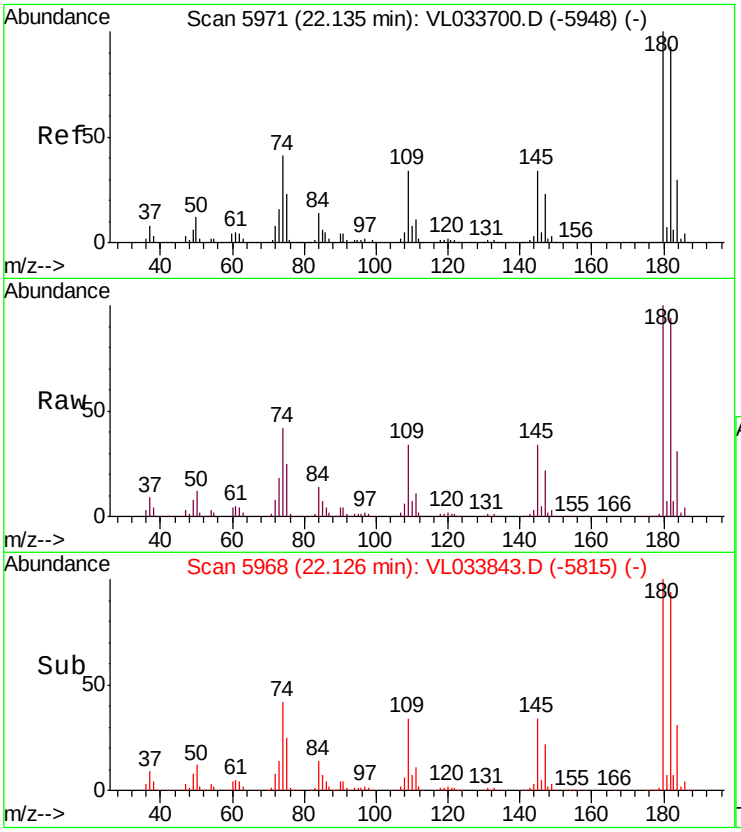


#80
Naphthalene,2-methyl-
Concen: 6.701 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Tgt Ion:142 Resp: 618792

Ion	Ratio	Lower	Upper
142	100		
141	82.8	67.2	100.8
115	36.9	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 8.638 ppbv
RT: 22.13 min Scan# 5968
Delta R.T. -0.01 min
Lab File: VL033843.D
Acq: 29 May 2019 19:29

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion:180 Resp: 1229199

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
184	30.8	24.6	37.0