Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

Quantitation Report (Not Reviewed)

Data File : VL033282.D
Acq On : 12 Mar 2019 13:09
Operator : SY/AP
Sample : VL0312ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Quant Time: Mar 13 07:50:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	880610	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2025081	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2582422	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1658823	8.32	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1557602	8.758	ppbv	100
3) Chlorodifluoromethane	3.01	51	986182	8.443	ppbv	100
4) Chloromethane	3.17	50	520482	8.334	ppbv	96
5) Vinyl Chloride	3.29	62	516046	8.462	ppbv	100
6) Bromomethane	3.52	94	314241	8.435	ppbv	95
7) Chloroethane	3.60	64	275112	12.474	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1260461	8.384	ppbv	100
9) Propene	3.04	41	431034	8.095	ppbv	98
10) Heptane	8.25	43	1149539	9.584	ppbv	100
11) Trichlorofluoromethane	4.00	101	1420136	8.068	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	965056	9.579	ppbv	99
13) Ethanol	3.65	45	119473	7.354	ppbv	94
14) Bromoethene	3.79	108	409127	8.707	ppbv	99
15) Acetone	3.90	43	1013072	7.499	ppbv	100
16) 1,3-Butadiene	3.36	39	440662	9.034	ppbv	95
17) tert-Butyl alcohol	4.36	59	159606	8.804	ppbv	97
18) 1,1-Dichloroethene	4.35	96	428067	9.599	ppbv	92
19) Isopropyl Alcohol	4.02	45	520477	6.375	ppbv #	99
20) Methylene Chloride	4.41	84	367024	8.172	ppbv	99
21) Allyl Chloride	4.48	41	664712	9.898	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	424655	8.929	ppbv	99
23) Vinyl Acetate	5.16	43	1595921	9.429	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1088725	8.870	ppbv	99
25) Ethyl Acetate	5.77	43	1893222	9.095	ppbv	100
26) Hexane	5.78	57	843266	8.631	ppbv	98
27) Carbon Disulfide	4.62	76	1083199	10.449	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1278239	9.219	ppbv	100
29) Chloroform	5.85	83	1358269	9.138	ppbv	99
30) Cyclohexane	7.25	84	716683	9.461	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	902289	9.633	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	1374248	9.488	ppbv	100
34) 2-Butanone	5.33	43	1229777	9.184	ppbv	100
35) Carbon Tetrachloride	7.14	117	1452359	9.816	ppbv	99
36) Benzene	7.01	78	1804528	9.662	ppbv	97
37) 1,2-Dichloroethane	6.42	62	1081046	9.651	ppbv	100
38) Trichloroethene	7.96	130	672592	9.239	ppbv	98
39) 1,2-Dichloropropane	7.74	63	684555	9.740	ppbv	100
40) 1,4-Dioxane	7.96	88	212156	8.020	ppbv	79
41) Tetrahydrofuran	6.15	42	710552	9.557	ppbv	99
42) Bromodichloromethane	7.92	83	1562426	10.132	ppbv	100
43) Methyl Methacrylate	8.14	69	735410	10.102	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

Quantitation Report (Not Reviewed)

Data File : VL033282.D
Acq On : 12 Mar 2019 13:09
Operator : SY/AP
Sample : VL0312ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Quant Time: Mar 13 07:50:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2974470	9.376	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	999743	11.172	ppbv		96
46) cis-1,3-Dichloropropene	8.84	75	1127980	10.754	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	734656	9.789	ppbv		96
48) Dibromochloromethane	10.45	129	1301644	10.578	ppbv		99
49) Bromoform	13.21	173	1153487	11.565	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	1855785	9.710	ppbv		100
51) 2-Hexanone	10.27	43	1467860	10.062	ppbv	#	100
52) Tetrachloroethene	11.37	164	656239	9.585	ppbv		99
53) Toluene	9.95	91	2102339	9.766	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1163663	10.088	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.28	131	895291	8.156	ppbv	#	61
57) Chlorobenzene	12.30	112	1531929	7.866	ppbv		98
58) Ethyl Benzene	12.87	91	2928414	8.252	ppbv		98
59) m/p-Xylene	13.13	91	2485328	8.374	ppbv	#	35
60) o-Xylene	13.85	91	2344335	8.217	ppbv		100
61) Styrene	13.69	104	1763693	8.680	ppbv		100
62) Isopropylbenzene	14.83	105	3287152	8.268	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1591009	8.319	ppbv		100
64) n-propylbenzene	15.73	120	834442	8.530	ppbv		99
65) tert-Butylbenzene	16.91	119	2865316	8.539	ppbv		99
66) Benzyl Chloride	17.16	91	1483994	11.417	ppbv		100
67) sec-Butylbenzene	17.46	105	4102733	8.590	ppbv		100
69) p-Isopropyltoluene	17.82	119	3363814	8.718	ppbv		100
70) n-Butylbenzene	18.71	91	3530331	8.521	ppbv		99
71) 2-Chlorotoluene	15.62	91	2543173	8.486	ppbv		100
72) 4-Ethyltoluene	16.00	105	2726764	8.848	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	2570750	8.852	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	2626955	8.882	ppbv		94
75) 1,3-Dichlorobenzene	17.17	146	1513646	8.539	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	1508110	8.603	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1456504	8.254	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	830336	5.648	ppbv		100
79) Naphthalene	22.42	128	2865579	8.950	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	1506408	17.171	ppbv		100
81) 1,2,4-Trichlorobenzene	22.14	180	1351362	8.017	ppbv		100

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

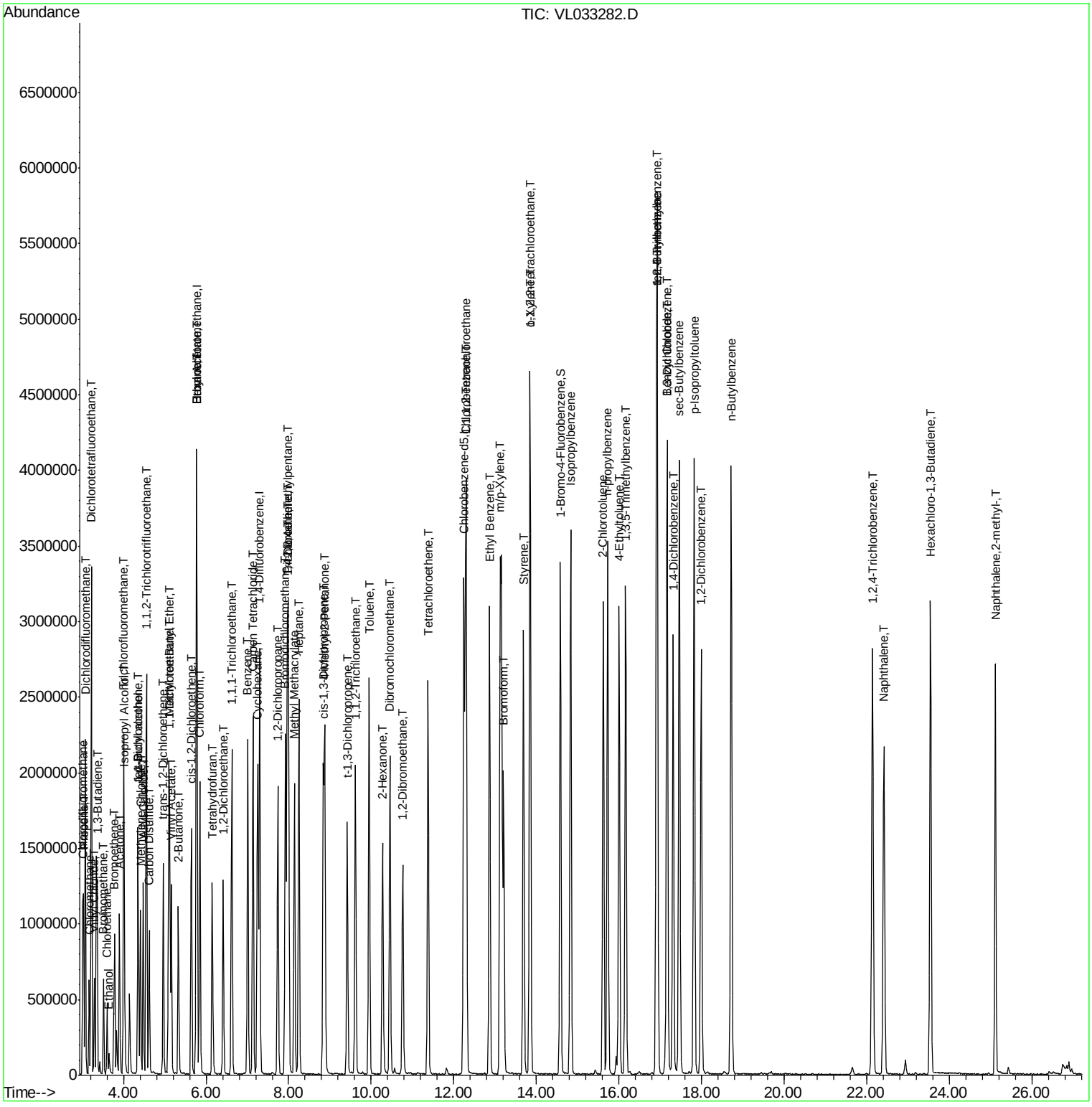
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

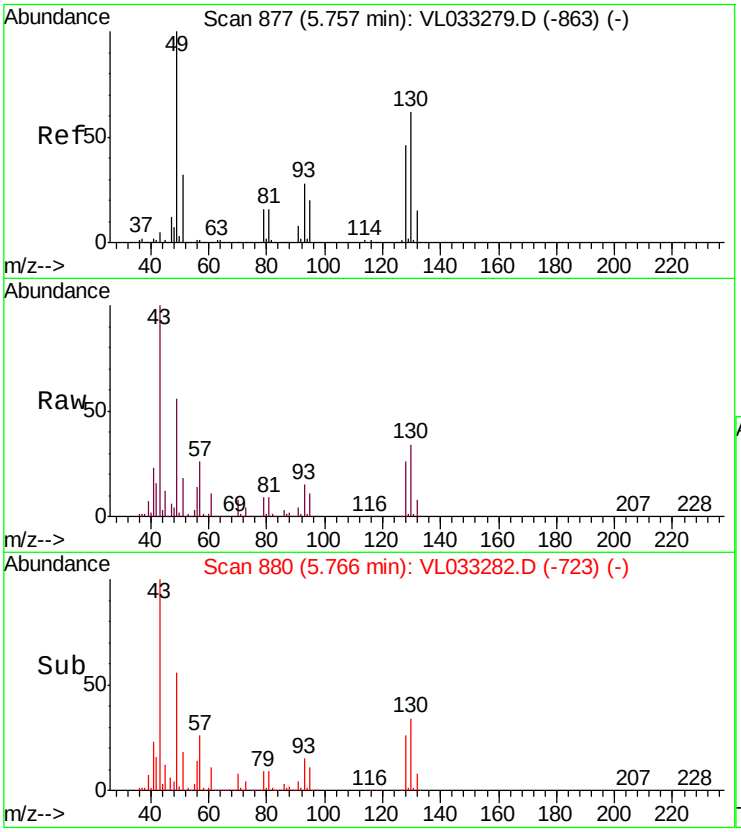
Quantitation Report (Not Reviewed)

Data File : VL033282.D
Acq On : 12 Mar 2019 13:09
Operator : SY/AP
Sample : VL0312ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Quant Time: Mar 13 07:50:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration



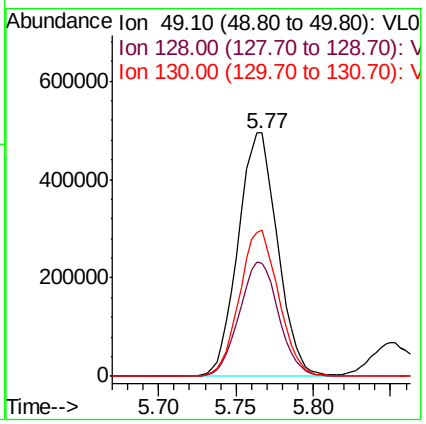


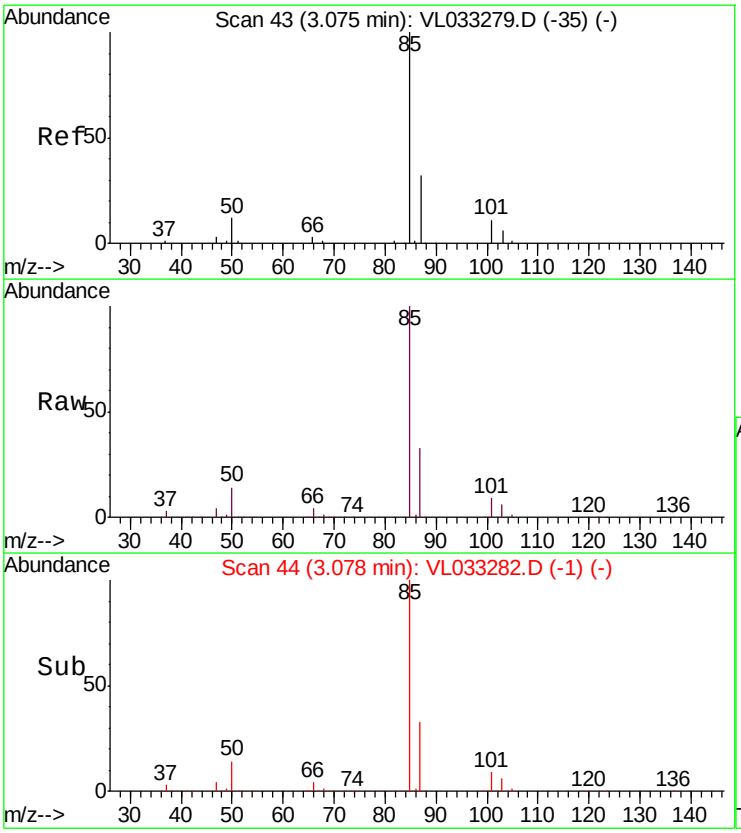
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion: 49 Resp: 880610

Ion	Ratio	Lower	Upper
49	100		
128	47.0	23.3	69.9
130	59.9	30.0	90.1

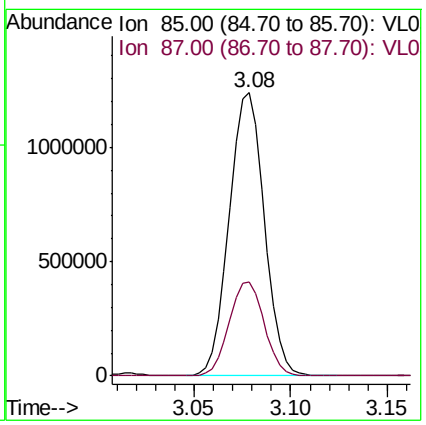


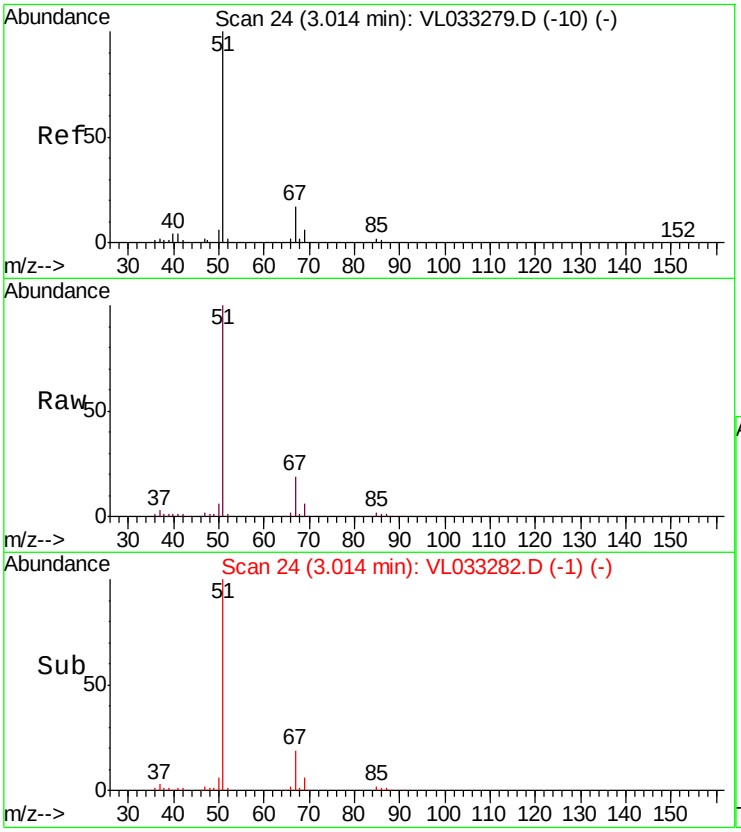


#2
Dichlorodifluoromethane
Concen: 8.758 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 85 Resp: 1557602

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.4	39.6



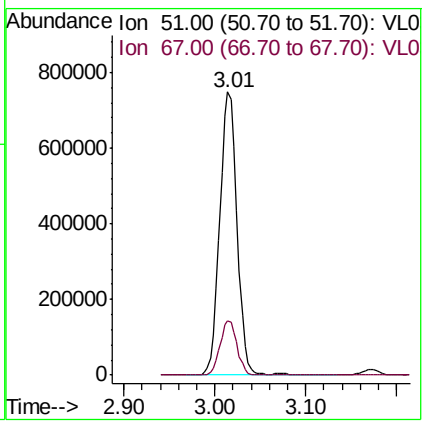


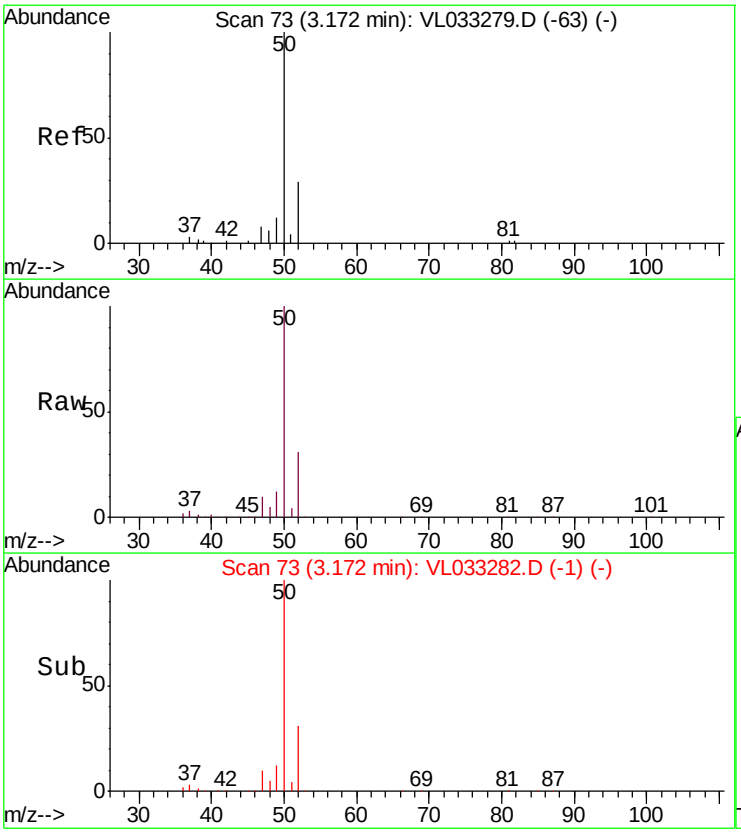
#3
Chlorodifluoromethane
Concen: 8.443 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 51 Resp: 986182

Ion	Ratio	Lower	Upper
51	100		
67	18.9	15.0	22.4

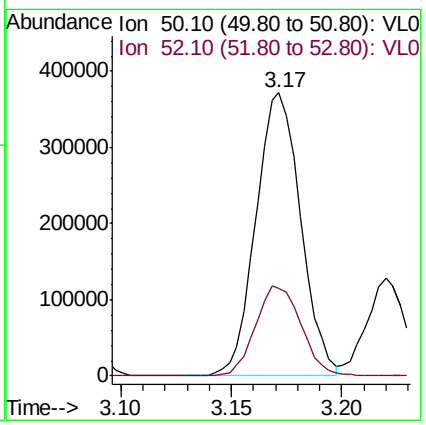


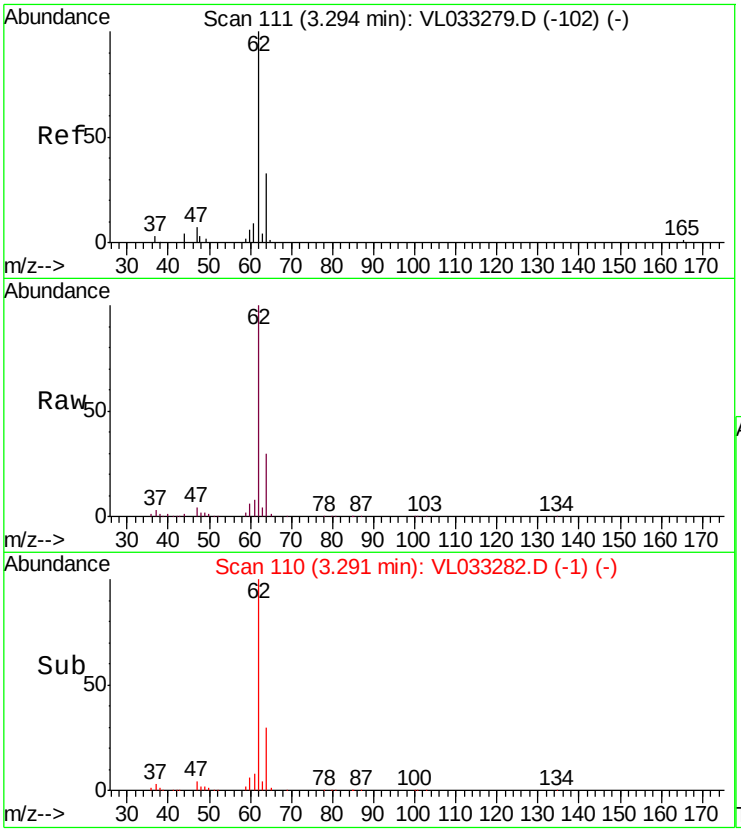


#4
Chloromethane
Concen: 8.334 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 50 Resp: 520482

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	39.8



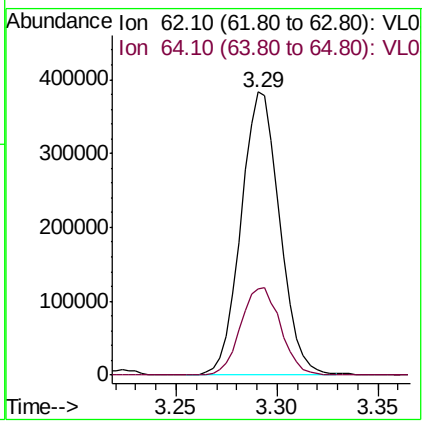


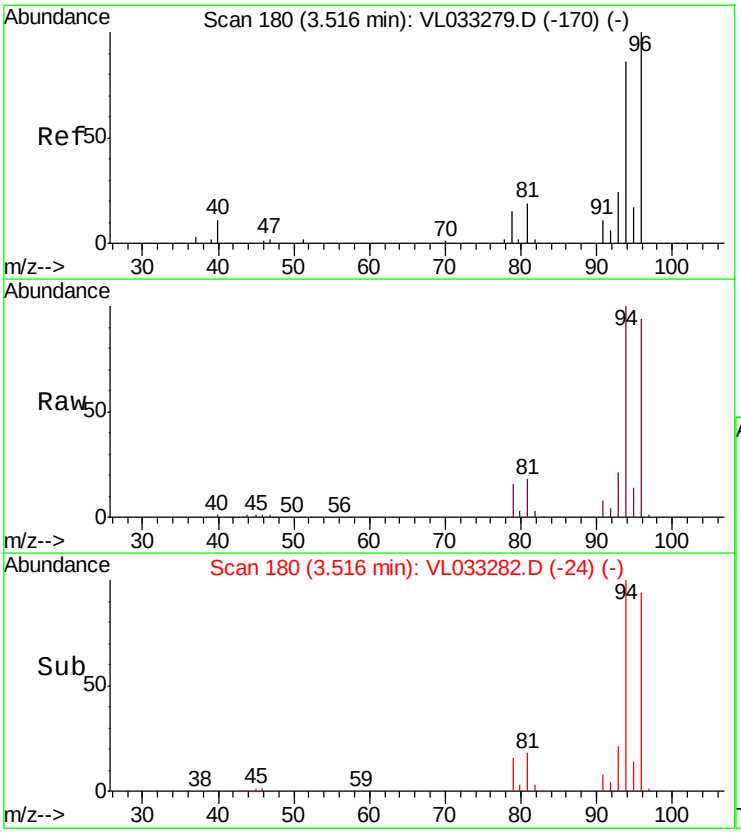
#5
Vinyl Chloride
Concen: 8.462 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 62 Resp: 516046

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.5	36.7

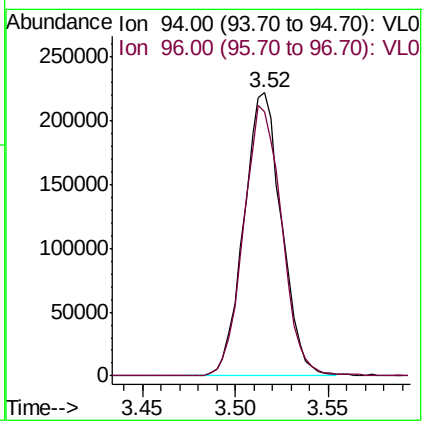


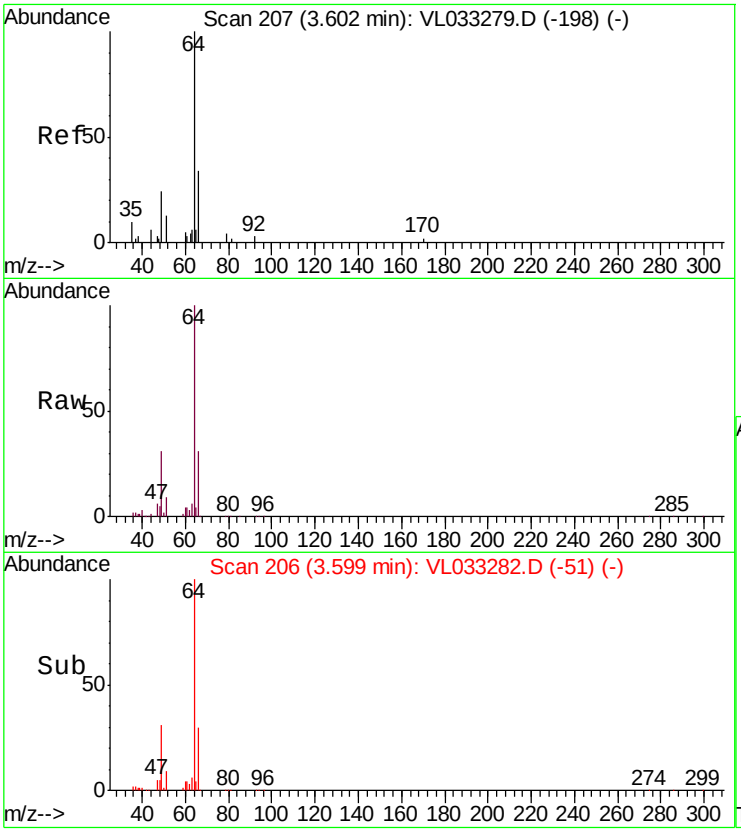


#6
Bromomethane
Concen: 8.435 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 94 Resp: 314241

Ion	Ratio	Lower	Upper
94	100		
96	93.5	71.3	106.9



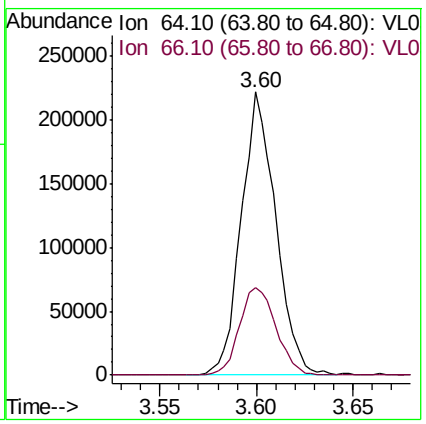


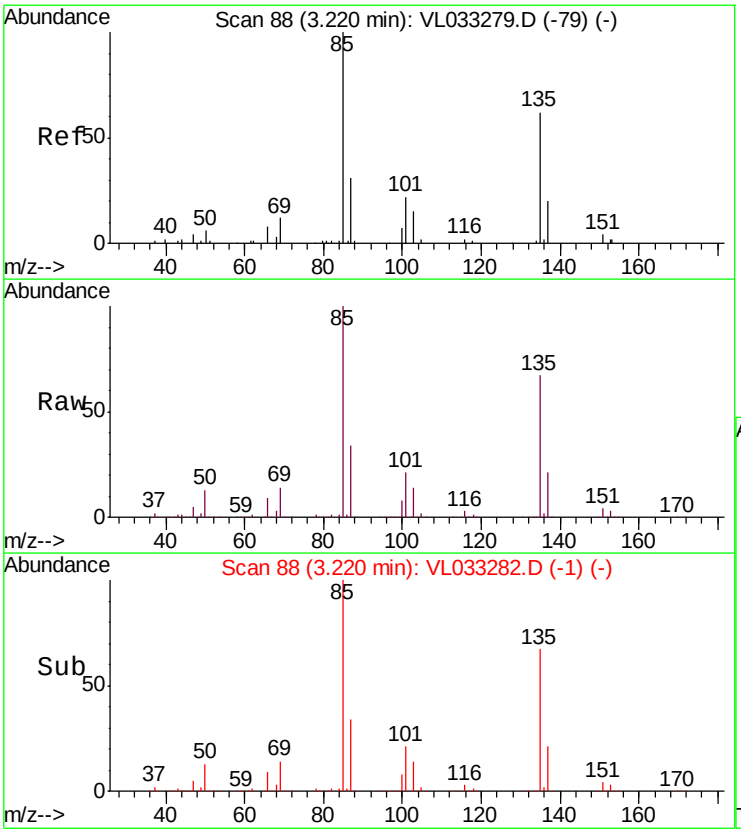
#7
Chloroethane
Concen: 12.474 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion: 64 Resp: 275112

Ion	Ratio	Lower	Upper
64	100		
66	31.5	26.2	39.2

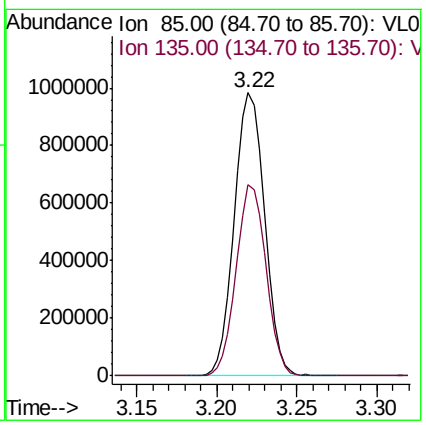


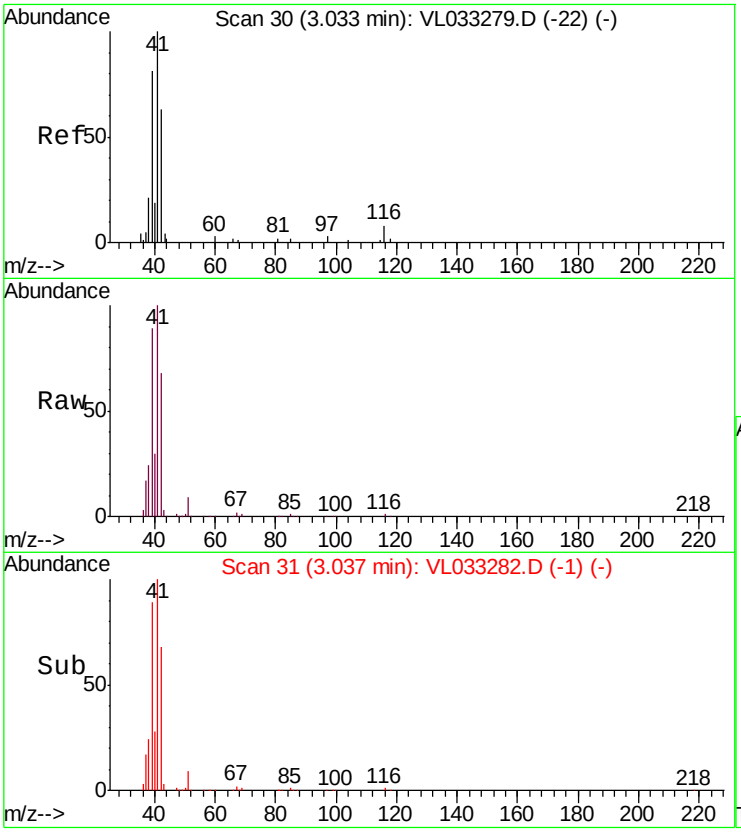


#8
Dichlorotetrafluoroethane
Concen: 8.384 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 85 Resp: 1260461

Ion	Ratio	Lower	Upper
85	100		
135	66.9	53.4	80.2



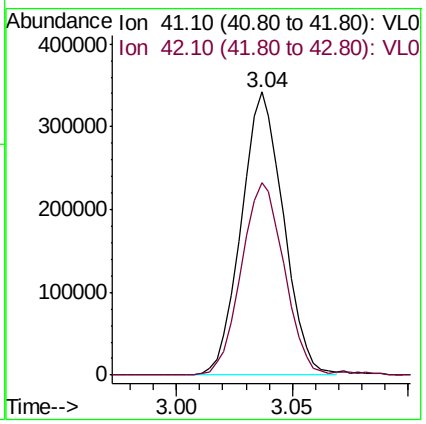


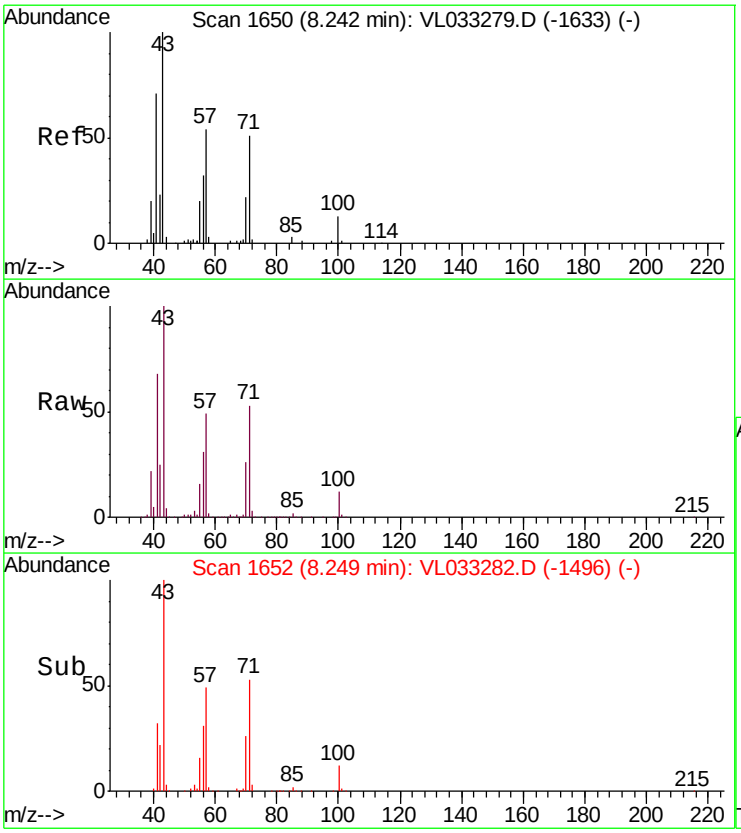
#9
Propene
Concen: 8.095 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion: 41 Resp: 431034

Ion	Ratio	Lower	Upper
41	100		
42	70.2	54.6	82.0

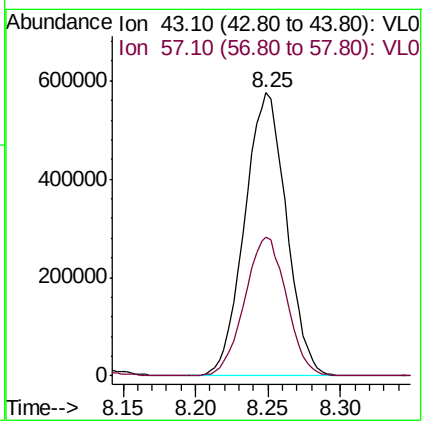


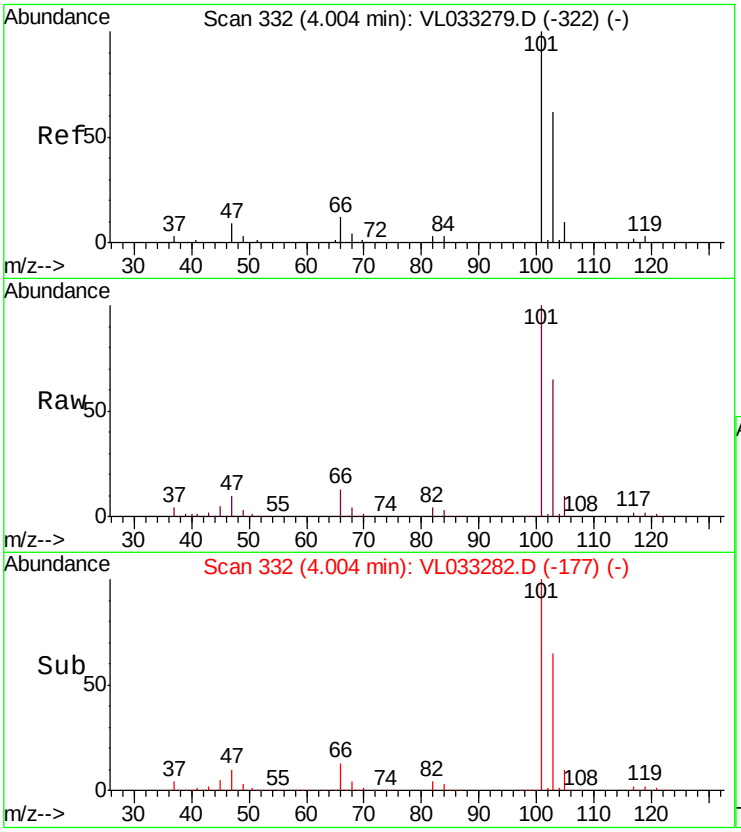


#10
Heptane
Concen: 9.584 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 43 Resp: 1149539

Ion	Ratio	Lower	Upper
43	100		
57	49.5	39.8	59.8



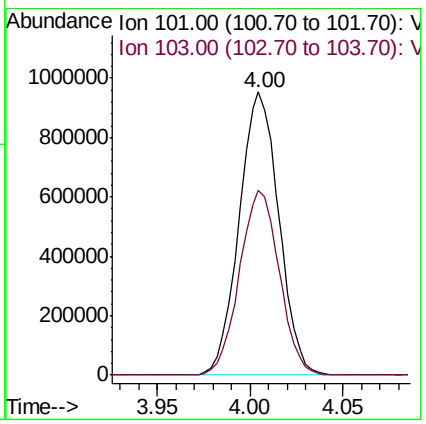


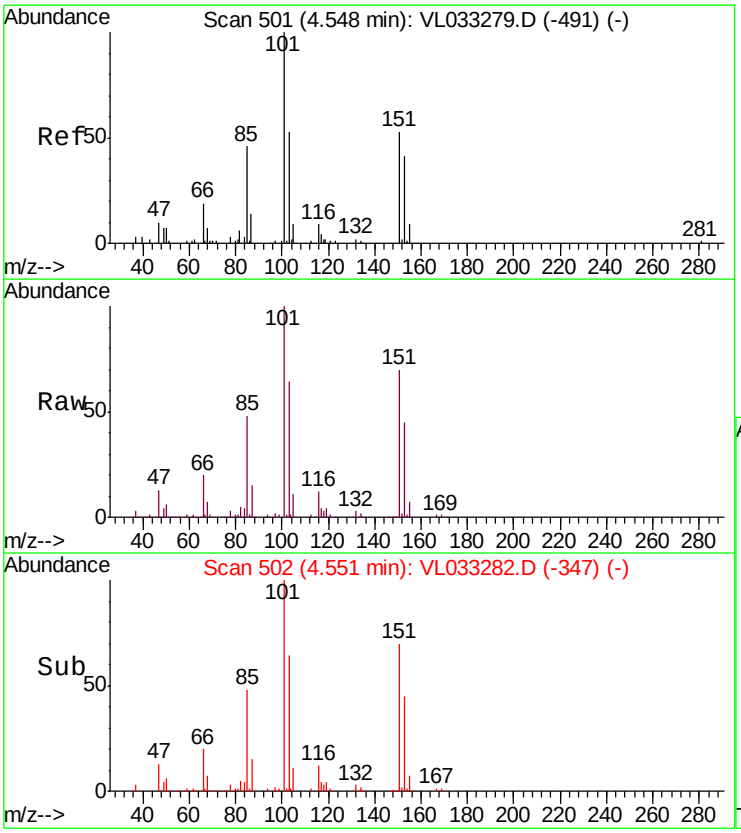
#11
Trichlorofluoromethane
Concen: 8.068 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion:101 Resp: 1420136

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.8

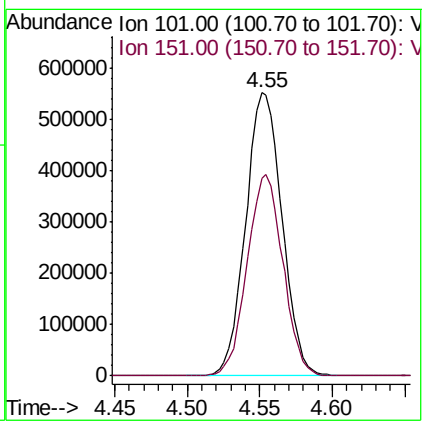


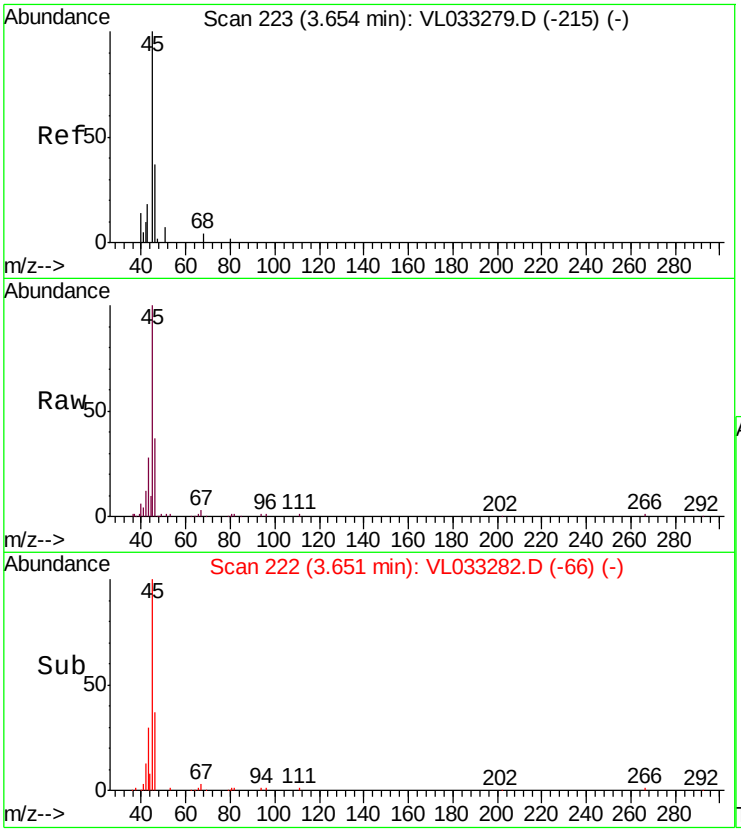


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.579 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:101 Resp: 965056

Ion	Ratio	Lower	Upper
101	100		
151	70.2	56.9	85.3



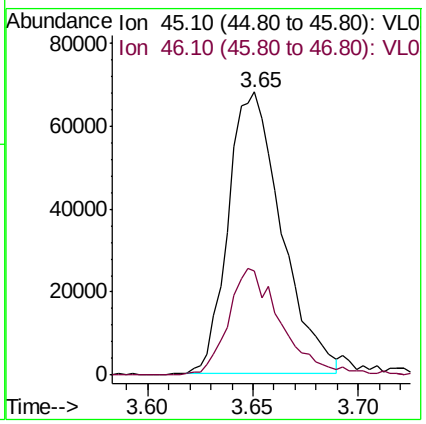


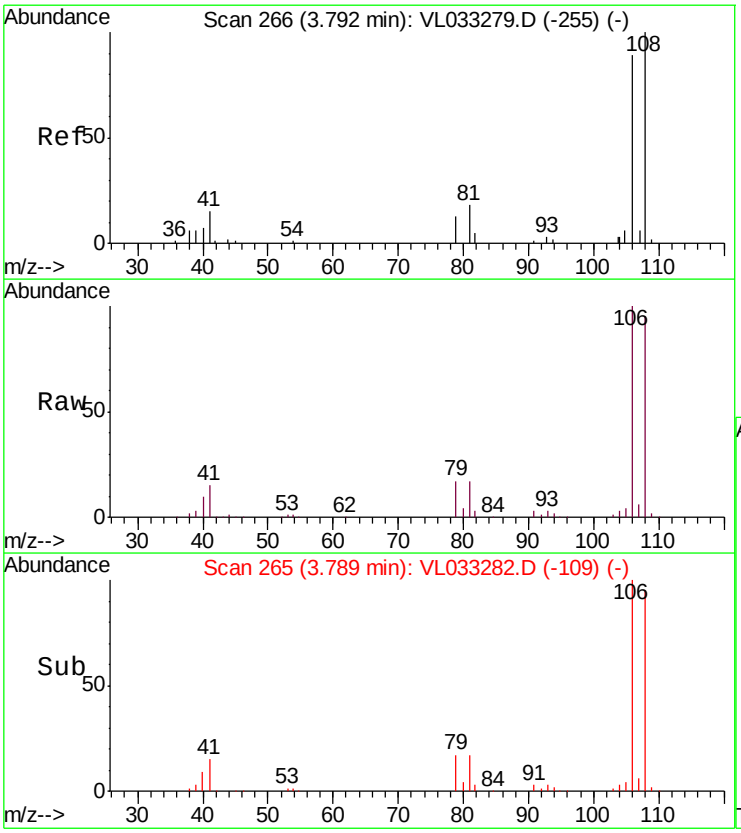
#13
Ethanol
Concen: 7.354 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 45 Resp: 119473

Ion	Ratio	Lower	Upper
45	100		
46	38.3	13.9	55.7

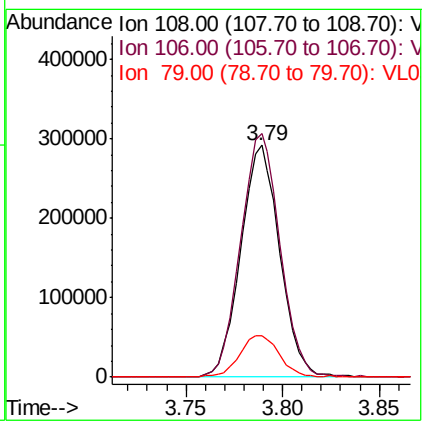


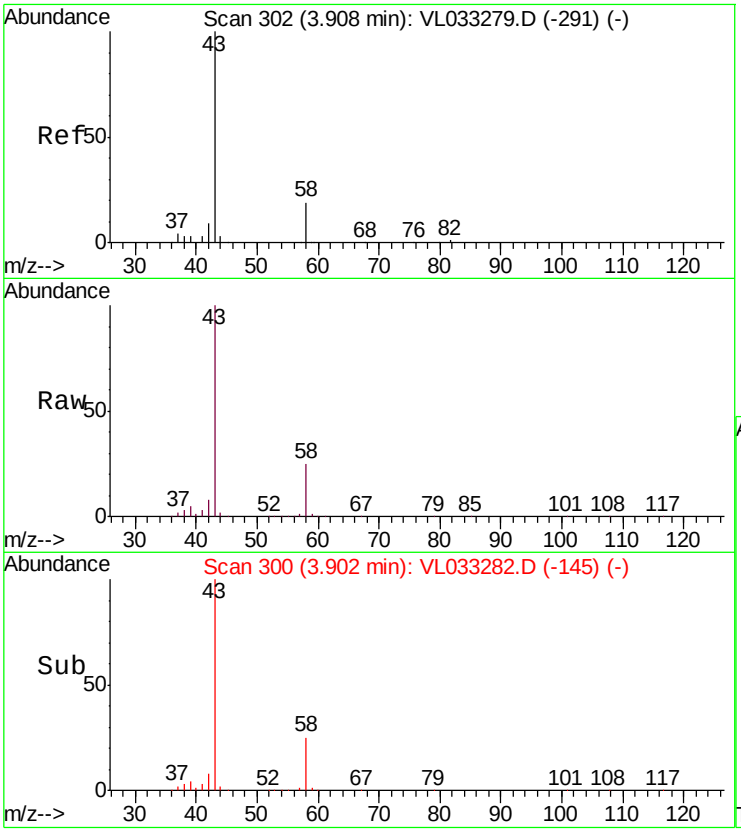


#14
Bromoethene
Concen: 8.707 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:108 Resp: 409127

Ion	Ratio	Lower	Upper
108	100		
106	106.7	85.9	128.9
79	18.5	14.9	22.3



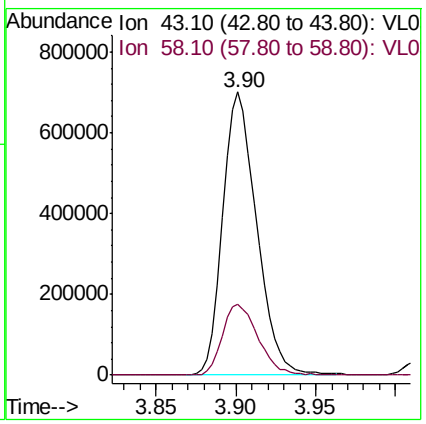


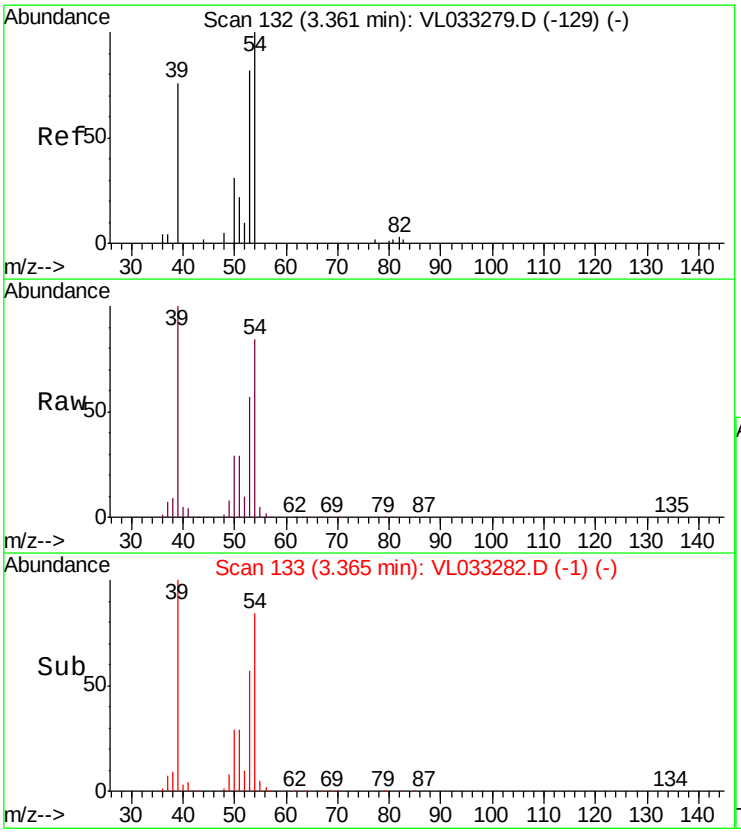
#15
Acetone
Concen: 7.499 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 43 Resp: 1013072

Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.1	31.7

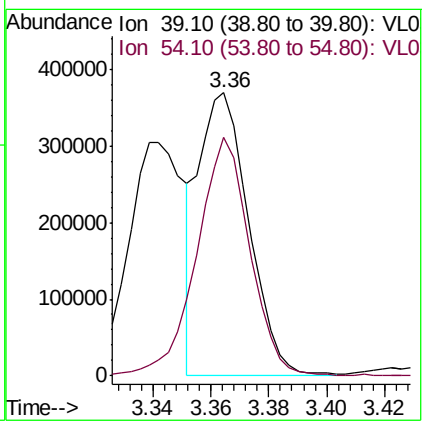


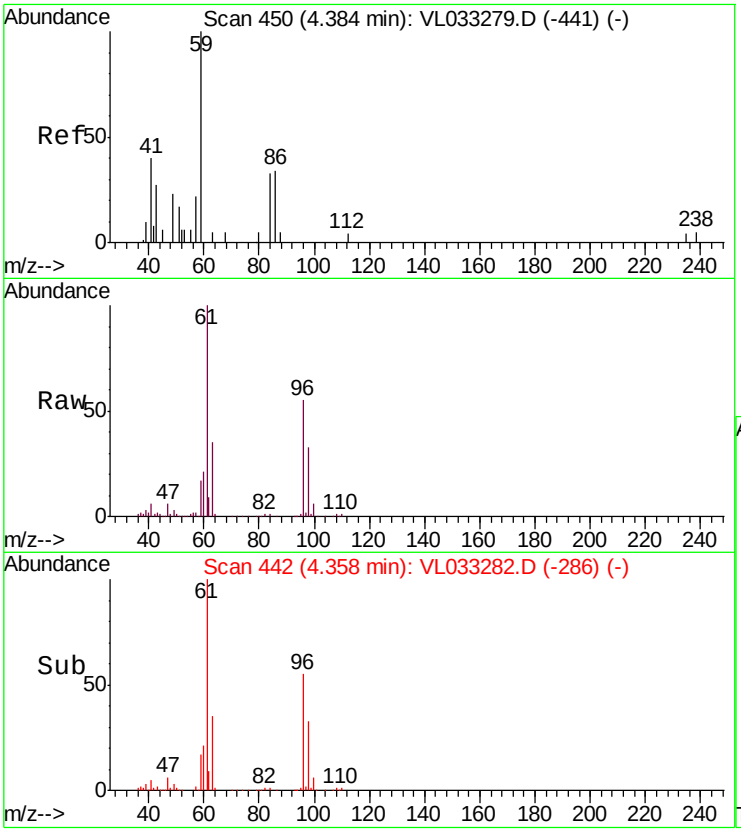


#16
1,3-Butadiene
Concen: 9.034 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 39 Resp: 440662

Ion	Ratio	Lower	Upper
39	100		
54	90.5	76.6	114.8



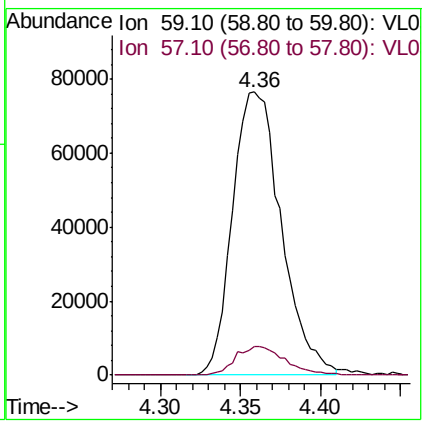


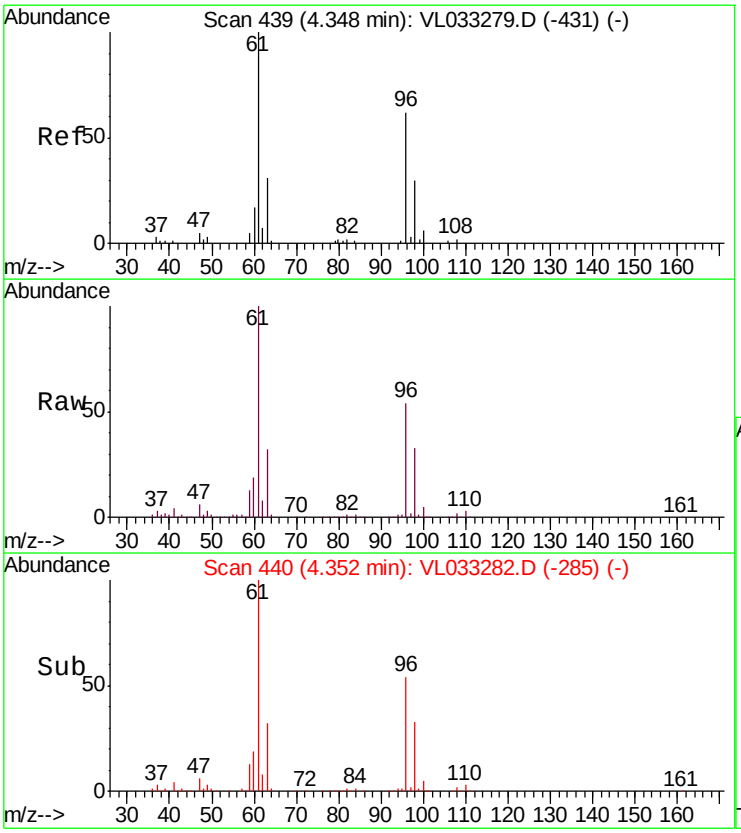
#17
tert-Butyl alcohol
Concen: 8.804 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 59 Resp: 159606

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.5	11.3

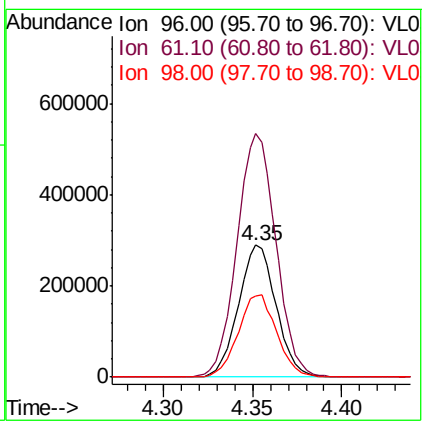


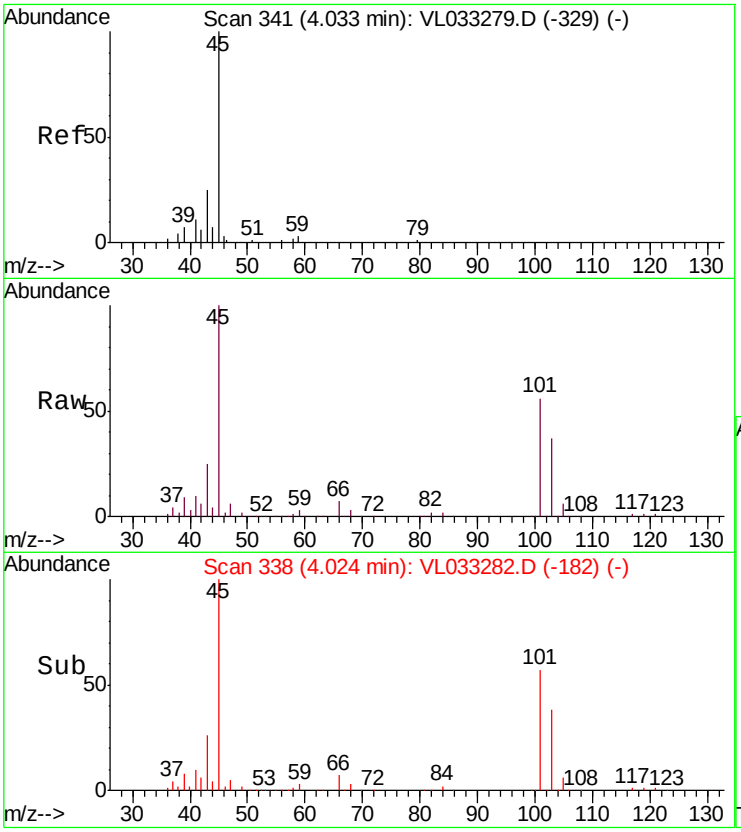


#18
1,1-Dichloroethene
Concen: 9.599 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 96 Resp: 428067

Ion	Ratio	Lower	Upper
96	100		
61	184.7	158.9	238.3
98	61.7	52.4	78.6



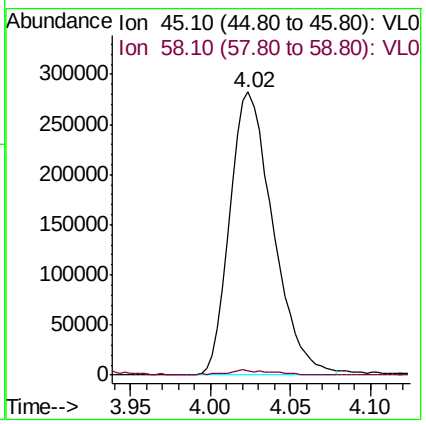


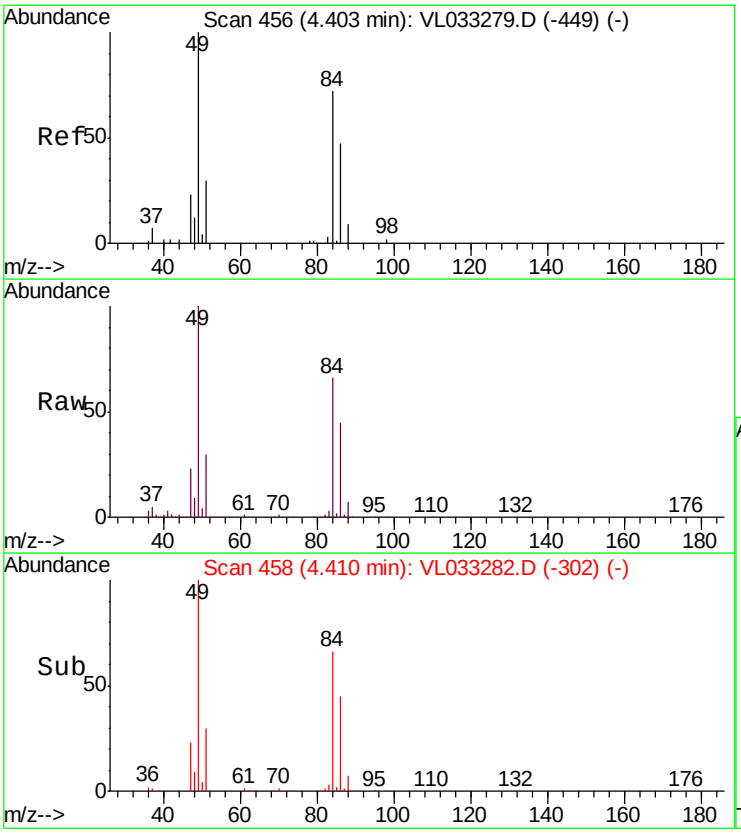
#19
Isopropyl Alcohol
Concen: 6.375 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 45 Resp: 520477

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.4	2.2#

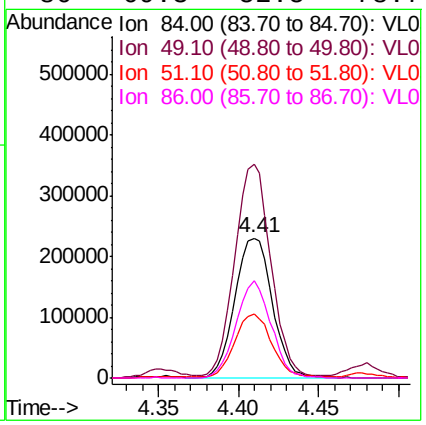


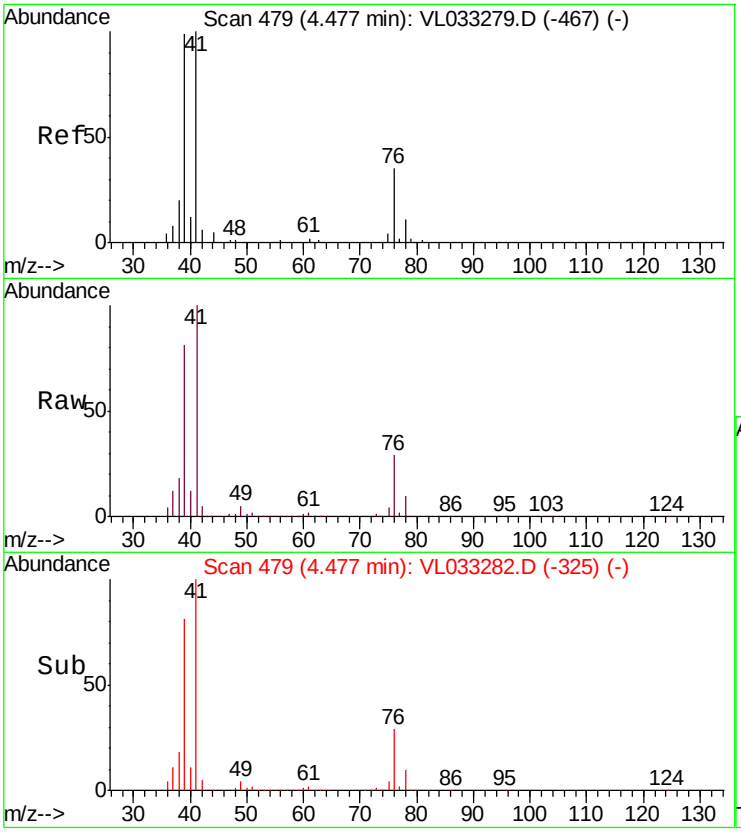


#20
Methylene Chloride
Concen: 8.172 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 84 Resp: 367024

Ion	Ratio	Lower	Upper
84	100		
49	149.9	120.3	180.5
51	45.2	36.2	54.4
86	69.3	52.5	78.7



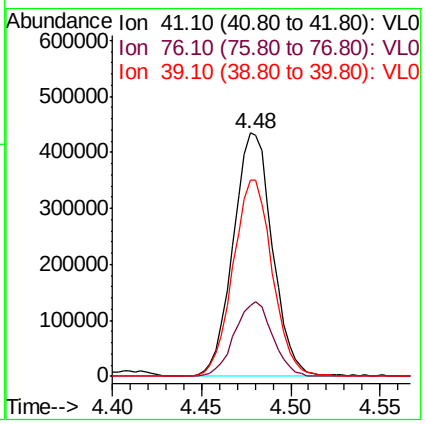


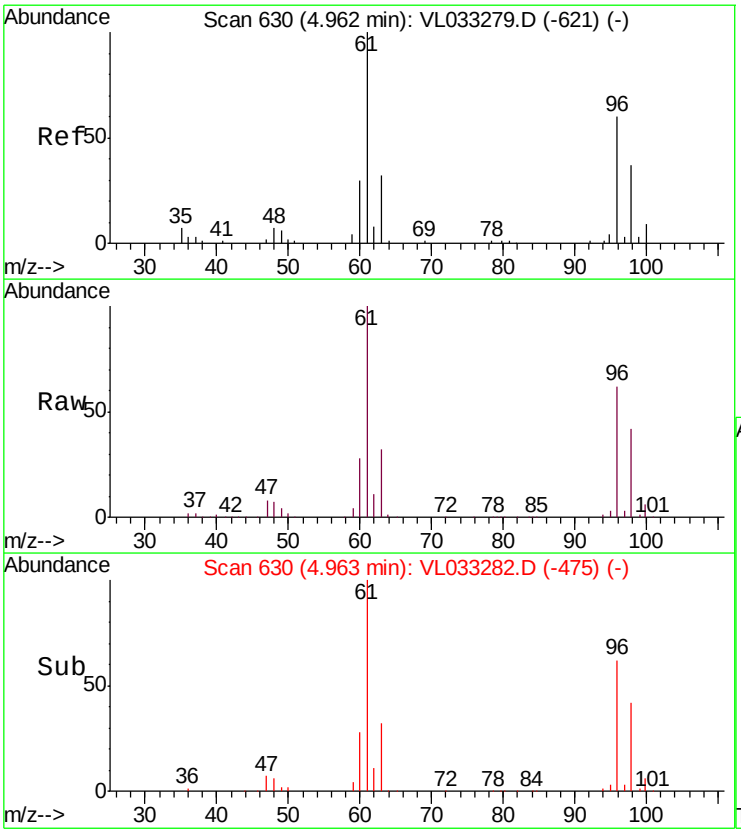
#21
Allyl Chloride
Concen: 9.898 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.01 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 41 Resp: 664712

Ion	Ratio	Lower	Upper
41	100		
76	30.1	25.0	37.4
39	81.5	64.2	96.4

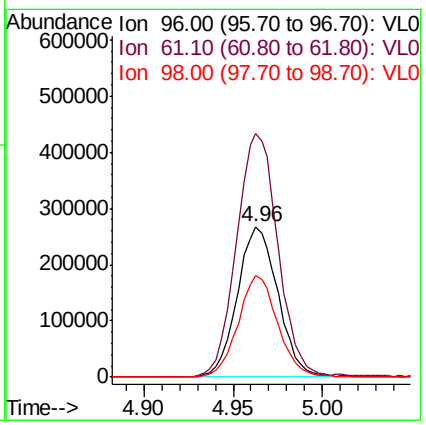


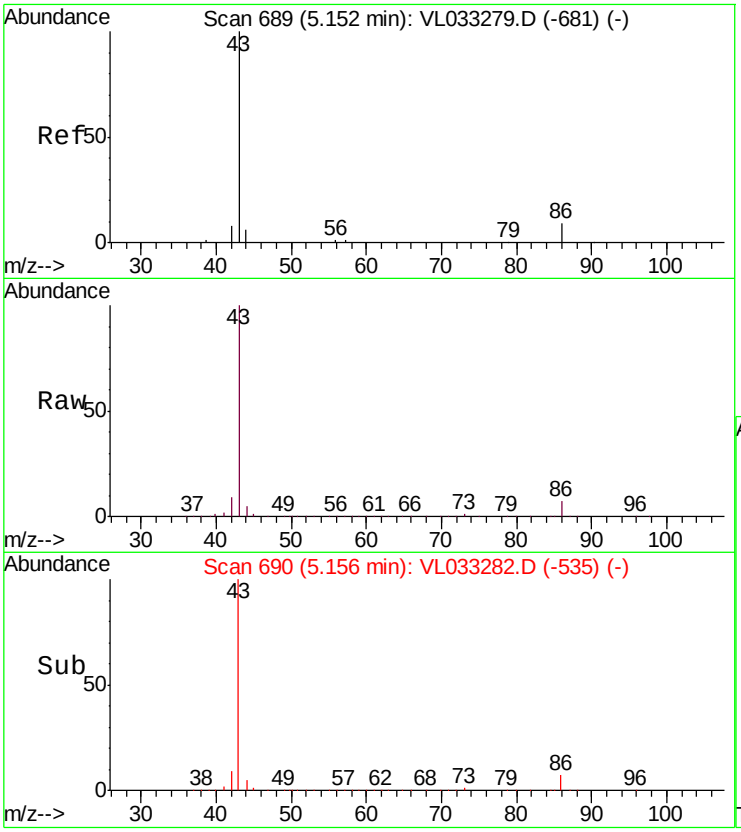


#22
trans-1,2-Dichloroethene
Concen: 8.929 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 96 Resp: 424655

Ion	Ratio	Lower	Upper
96	100		
61	162.2	131.6	197.4
98	67.6	54.1	81.1



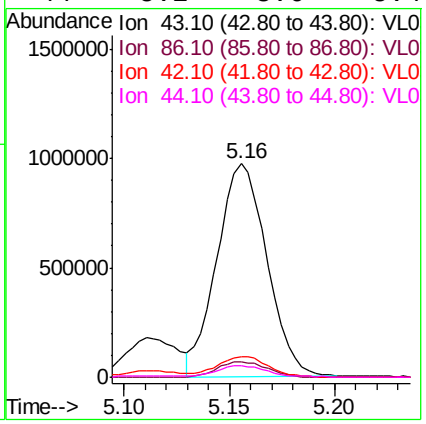


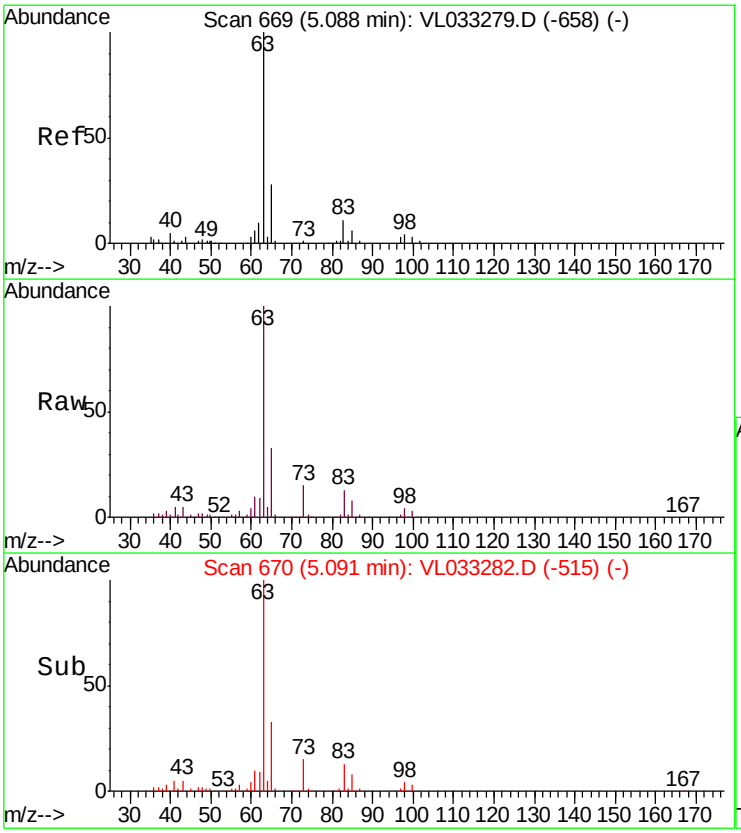
#23
Vinyl Acetate
Concen: 9.429 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 43 Resp: 1595921

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.5	8.3
42	9.4	7.8	11.6
44	5.2	3.6	5.4

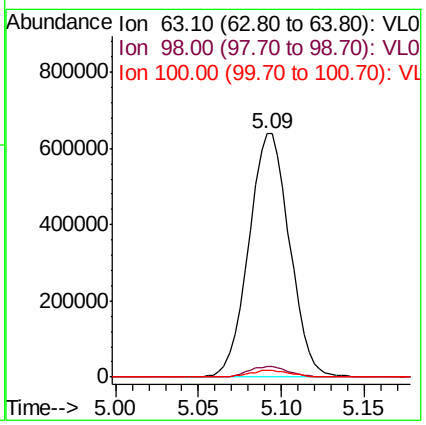


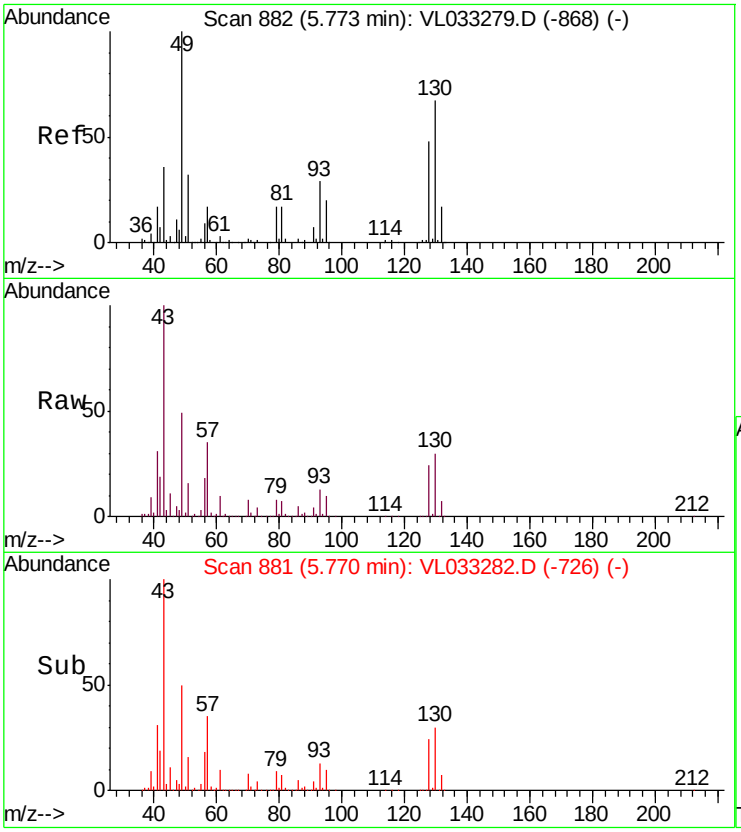


#24
1,1-Dichloroethane
Concen: 8.870 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 63 Resp: 1088725

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.2	6.6
100	2.7	1.5	4.4



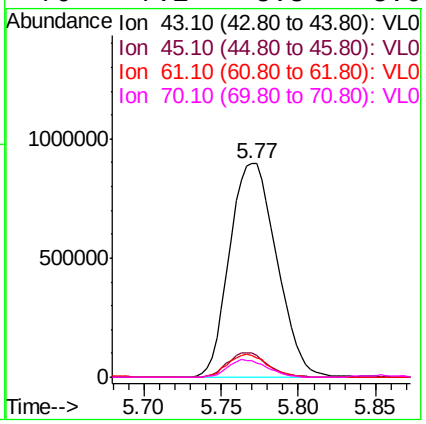


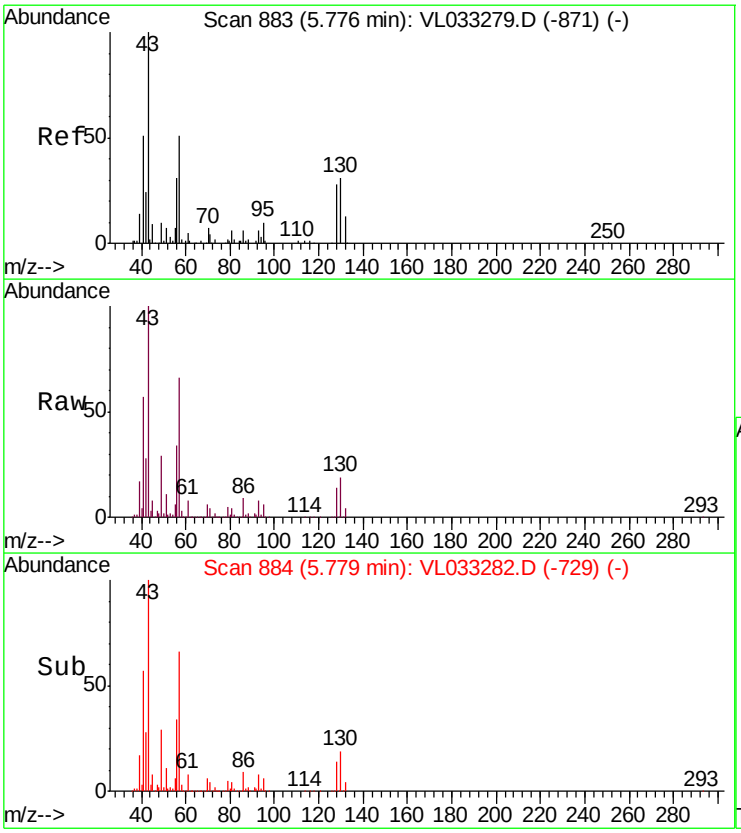
#25
Ethyl Acetate
Concen: 9.095 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 43 Resp: 1893222

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.1	7.3	10.9
70	7.1	5.8	8.6

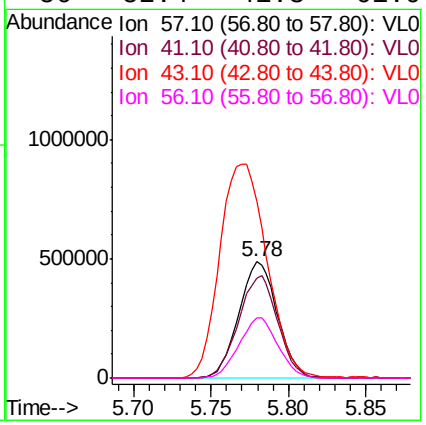


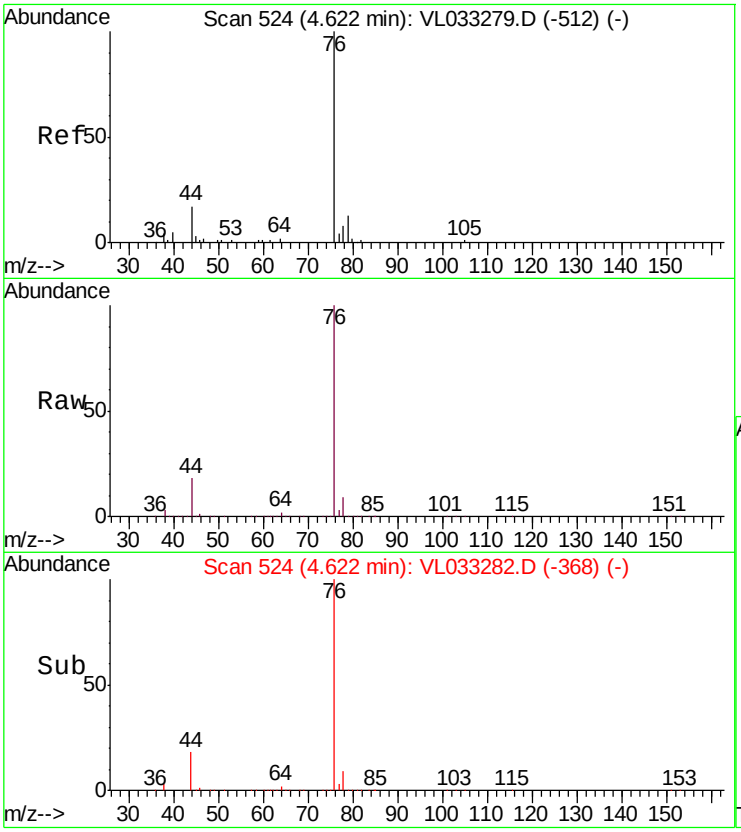


#26
Hexane
Concen: 8.631 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 57 Resp: 843266

Ion	Ratio	Lower	Upper
57	100		
41	90.1	70.7	106.1
43	226.5	178.6	267.8
56	52.4	41.3	61.9



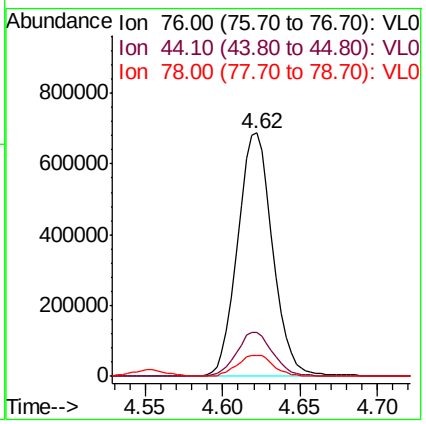


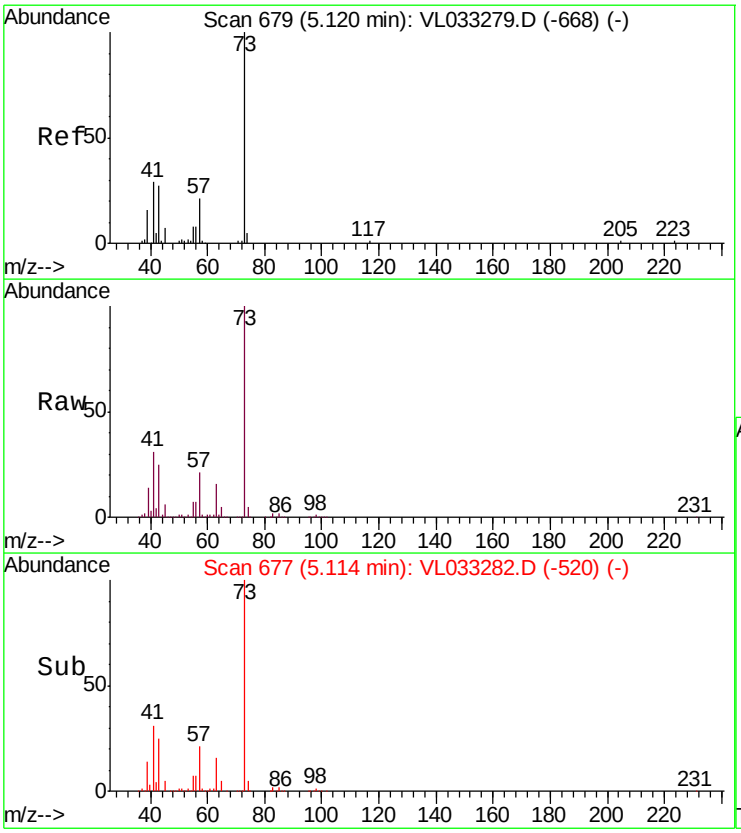
#27
Carbon Disulfide
Concen: 10.449 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion: 76 Resp: 1083199

Ion	Ratio	Lower	Upper
76	100		
44	18.8	15.1	22.7
78	9.0	7.4	11.0

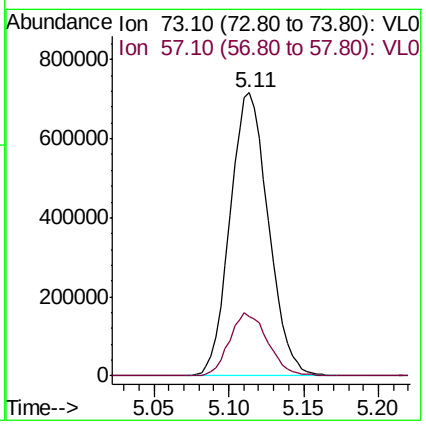


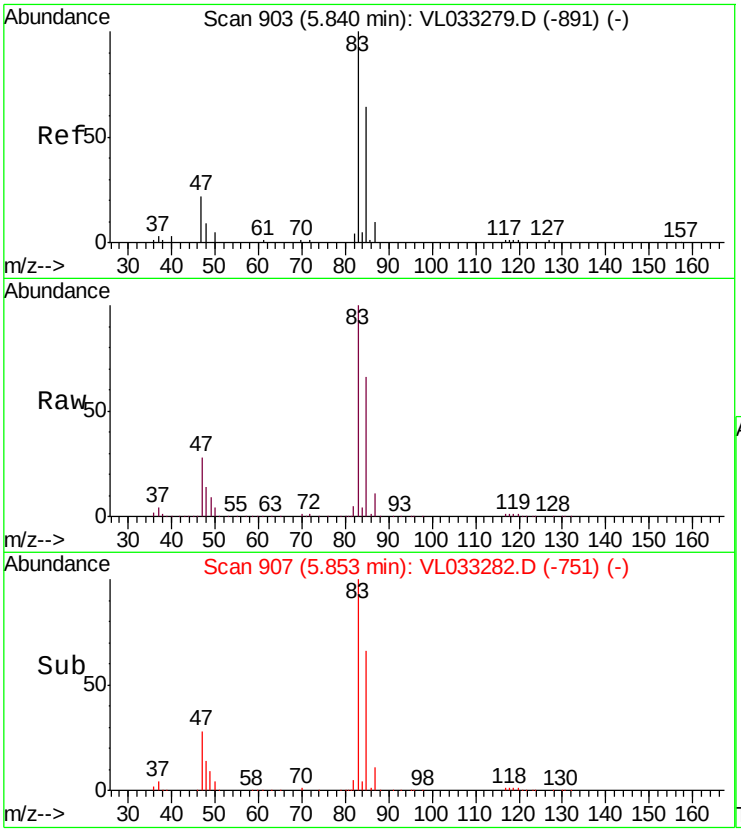


#28
Methyl tert-Butyl Ether
Concen: 9.219 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 73 Resp: 1278239

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9



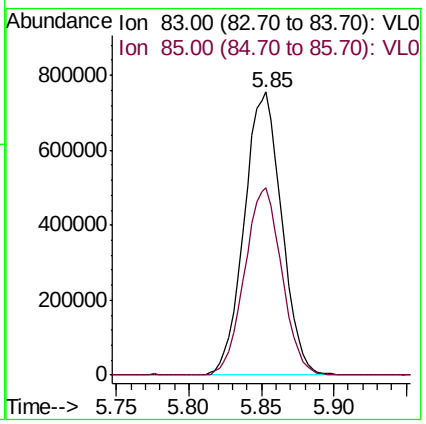


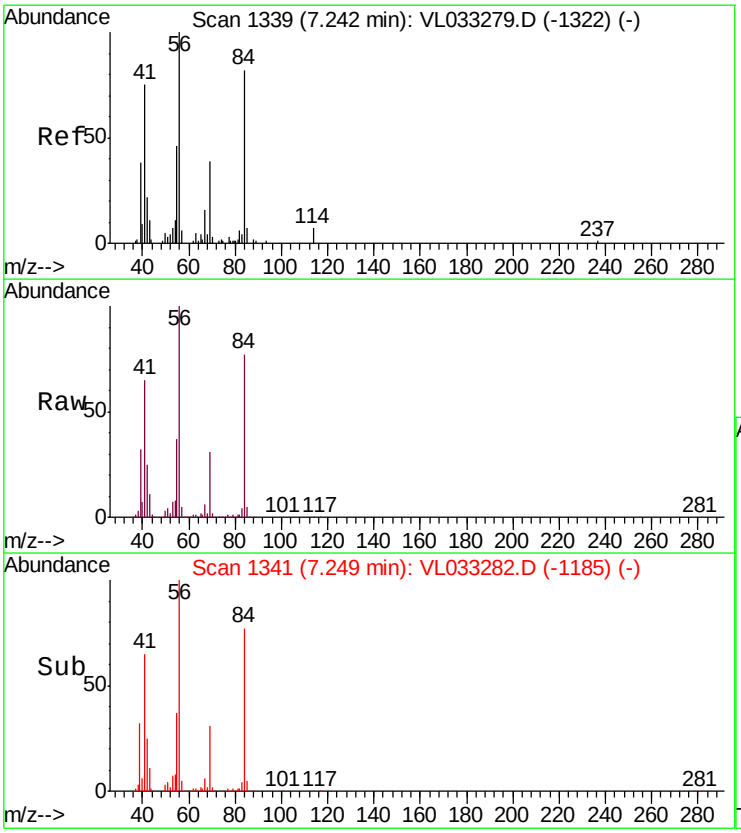
#29
Chloroform
Concen: 9.138 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion: 83 Resp: 1358269

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.5	78.7

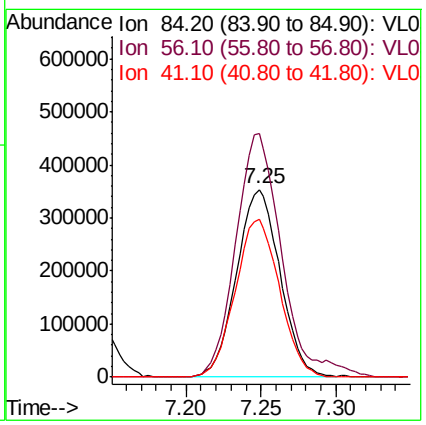


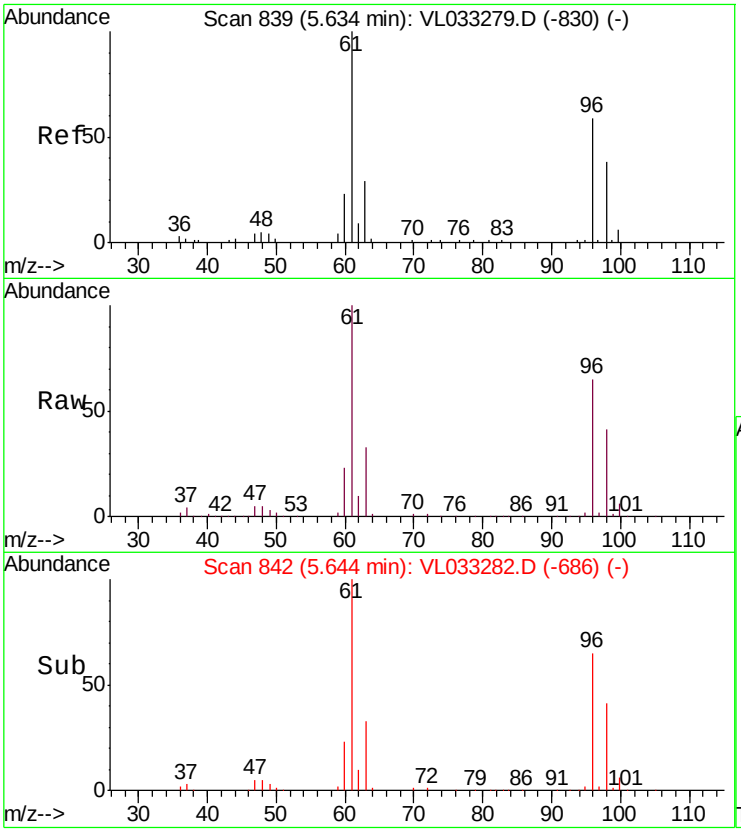


#30
Cyclohexane
Concen: 9.461 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 84 Resp: 716683

Ion	Ratio	Lower	Upper
84	100		
56	137.3	112.0	168.0
41	85.9	69.9	104.9



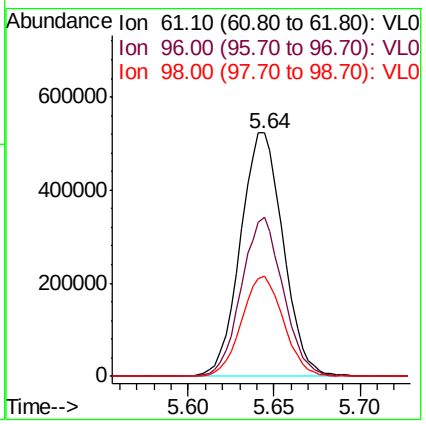


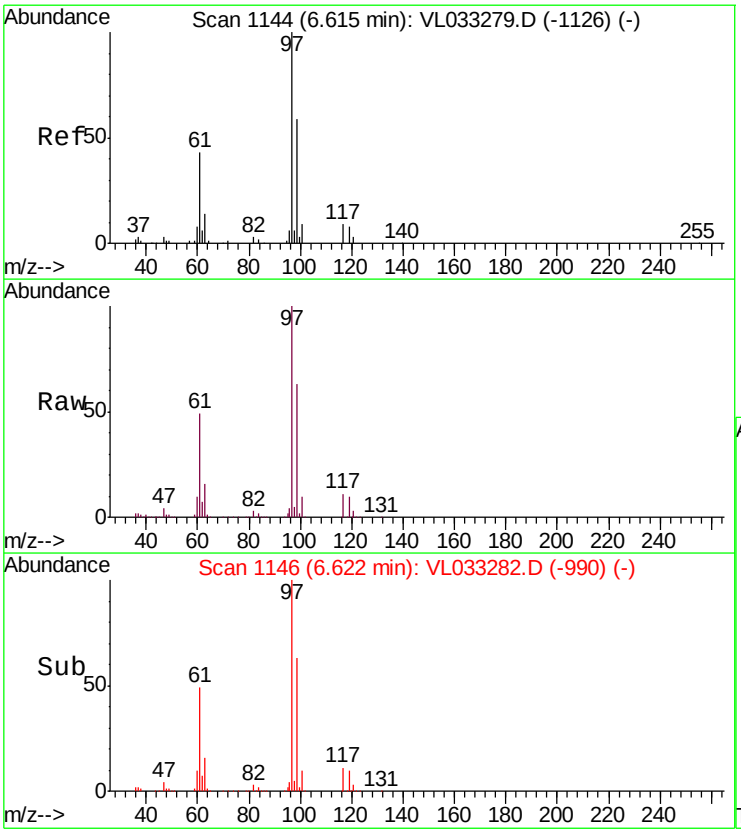
#31
cis-1,2-Dichloroethene
Concen: 9.633 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion: 61 Resp: 902289

Ion	Ratio	Lower	Upper
61	100		
96	65.2	51.8	77.8
98	41.1	32.9	49.3

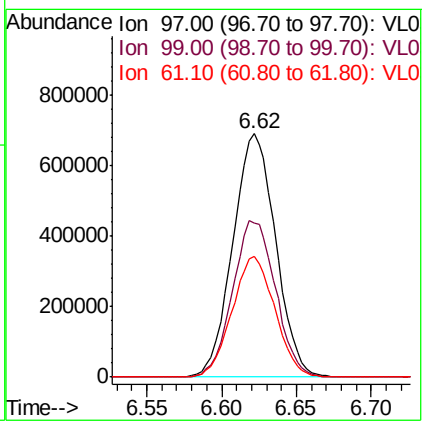


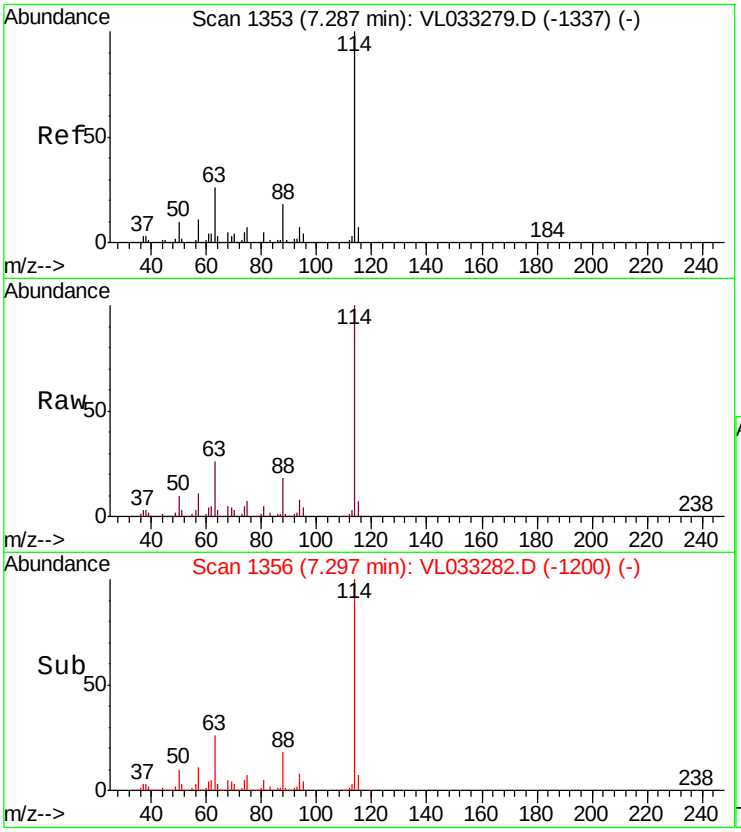


#32
1,1,1-Trichloroethane
Concen: 9.488 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 97 Resp: 1374248

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	49.7	39.7	59.5



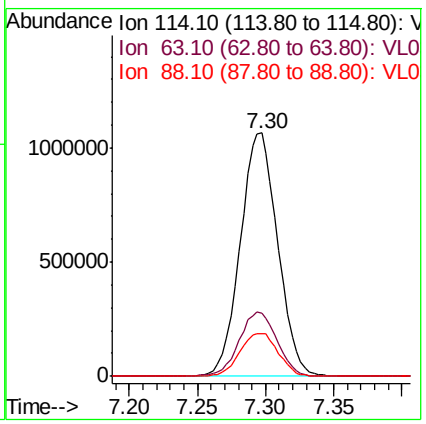


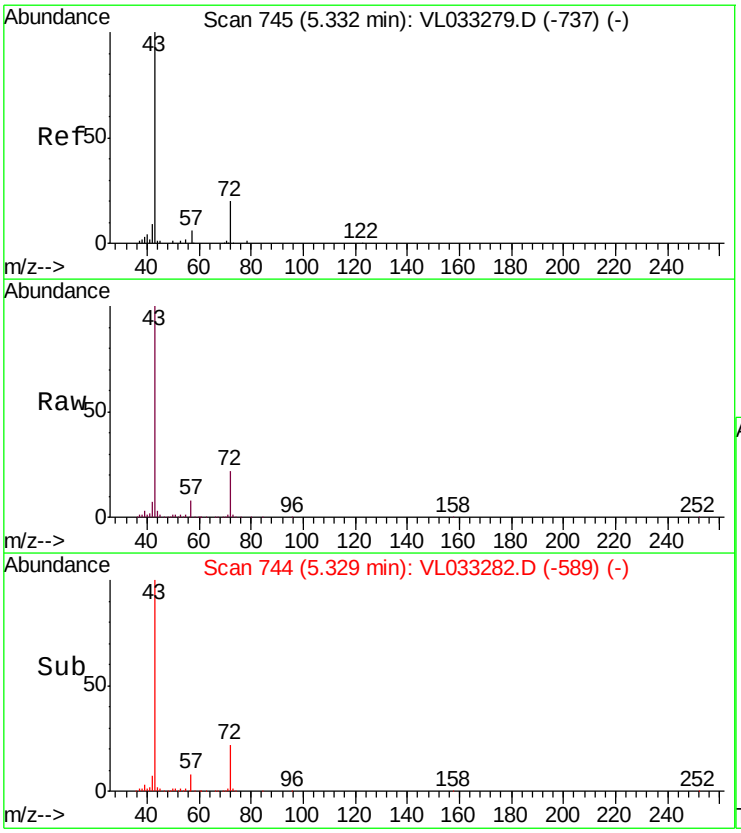
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion:114 Resp: 2025081

Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.5	32.3
88	18.2	14.6	22.0

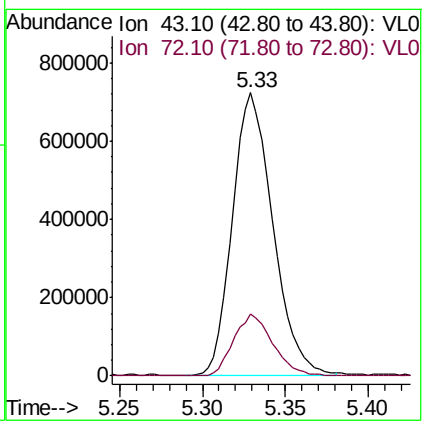


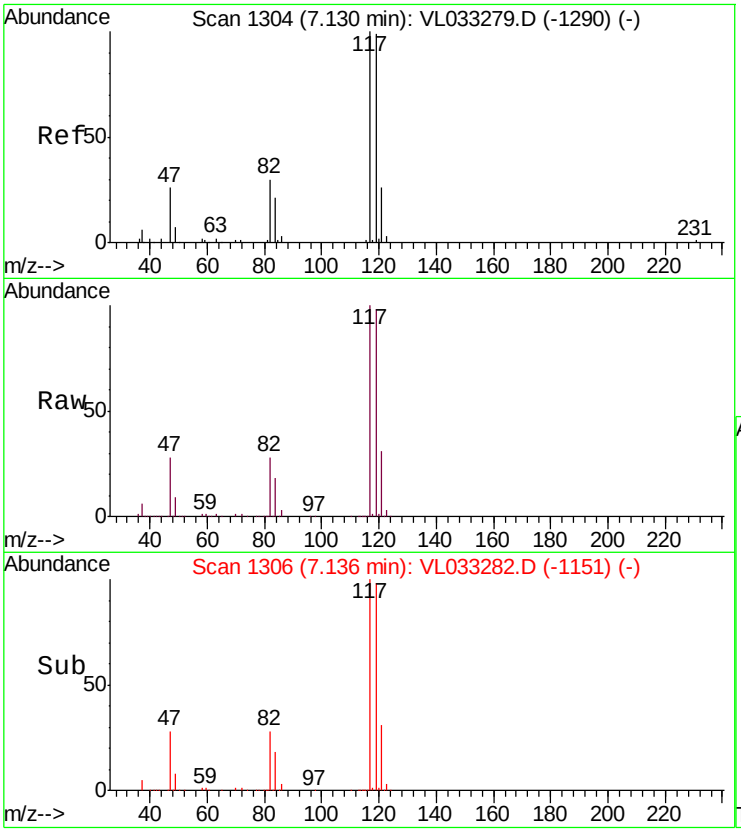


#34
2-Butanone
Concen: 9.184 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 43 Resp: 1229777

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.0	25.6



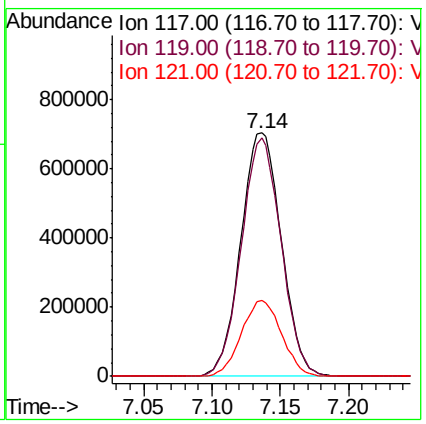


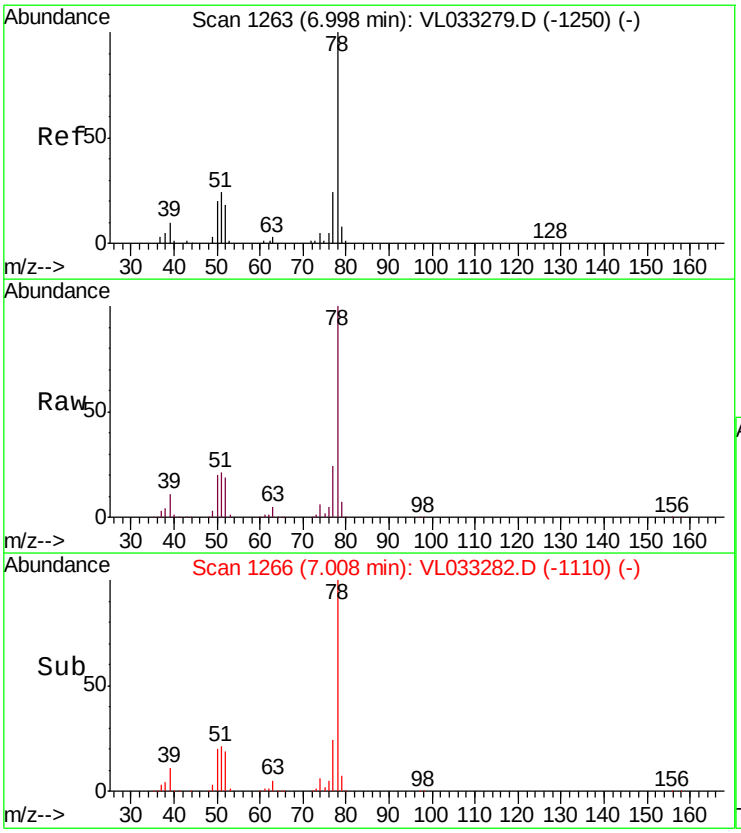
#35
Carbon Tetrachloride
Concen: 9.816 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion:117 Resp: 1452359

Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.4	116.0
121	31.2	24.9	37.3

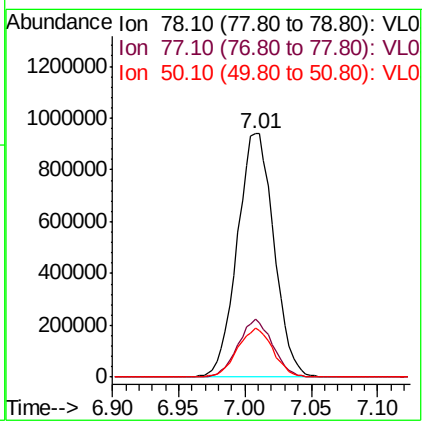


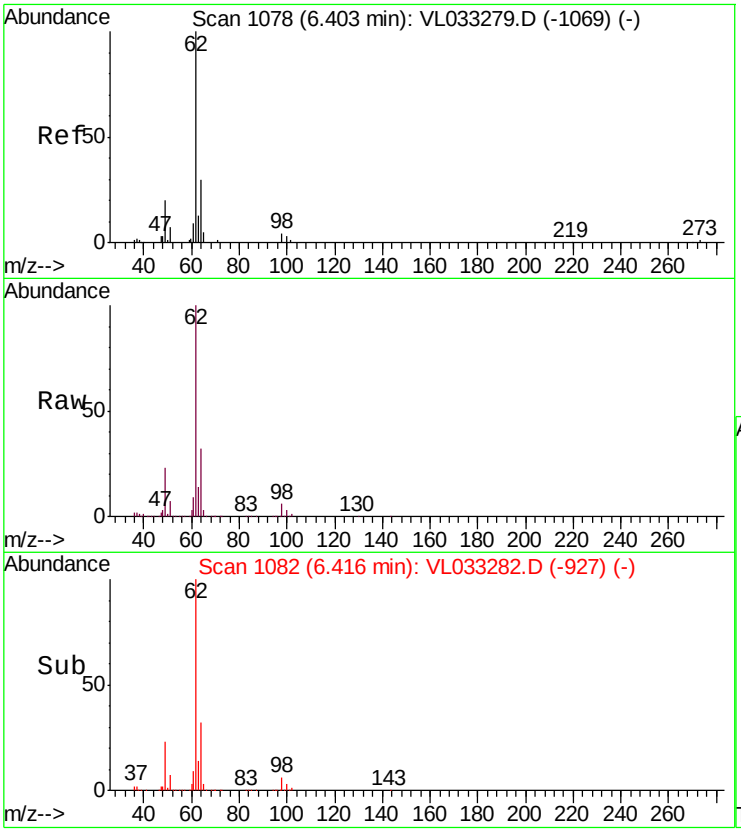


#36
Benzene
Concen: 9.662 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 78 Resp: 1804528

Ion	Ratio	Lower	Upper
78	100		
77	23.7	17.7	26.5
50	20.3	15.7	23.5



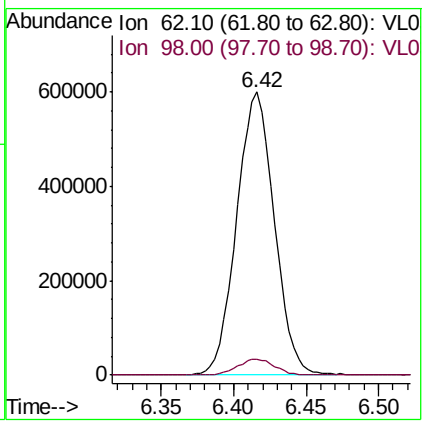


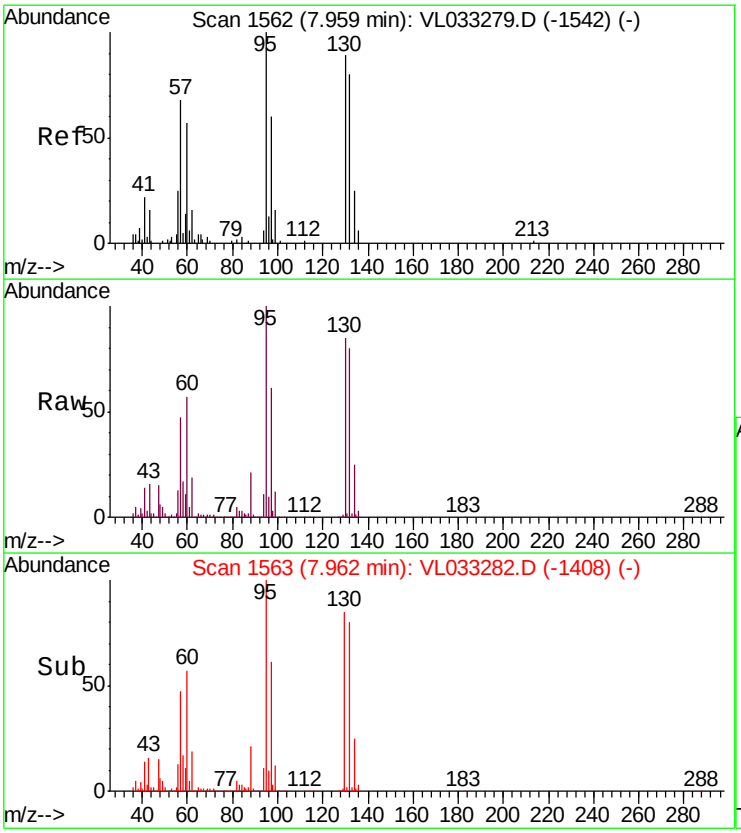
#37
1,2-Dichloroethane
Concen: 9.651 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 62 Resp: 1081046

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.5	6.7

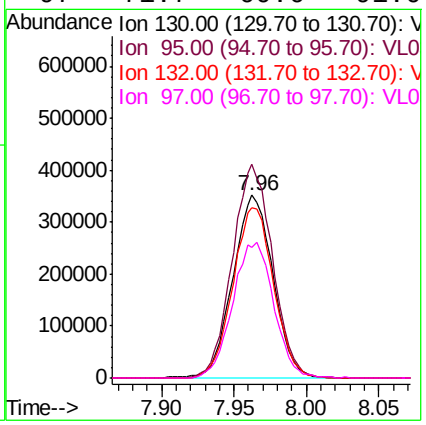


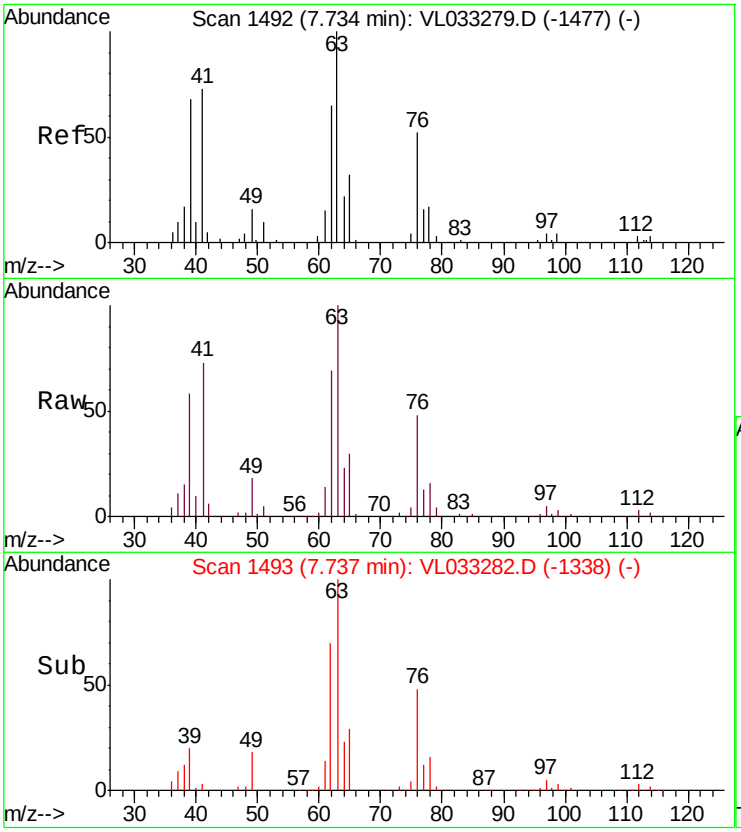


#38
Trichloroethene
Concen: 9.239 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:130 Resp: 672592

Ion	Ratio	Lower	Upper
130	100		
95	117.1	93.3	139.9
132	93.4	75.4	113.2
97	71.7	60.6	91.0



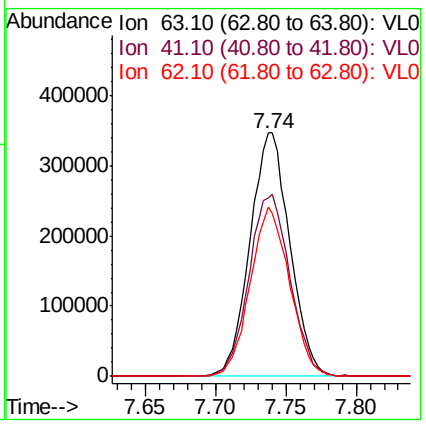


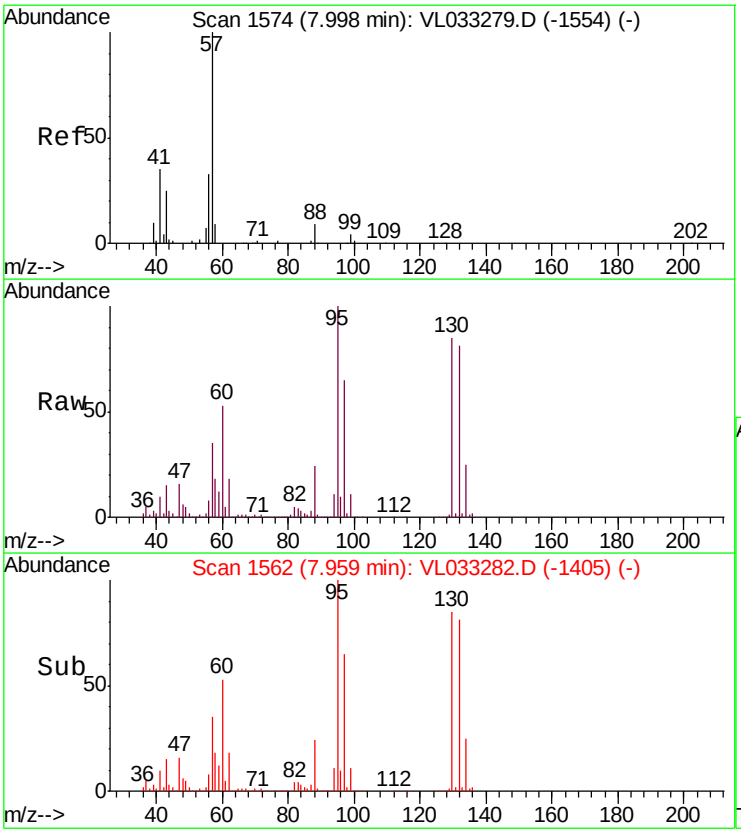
#39
1,2-Dichloropropane
Concen: 9.740 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 63 Resp: 684555

Ion	Ratio	Lower	Upper
63	100		
41	72.9	58.3	87.5
62	69.5	55.3	82.9

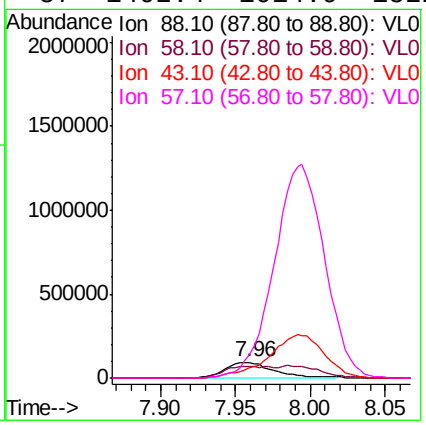


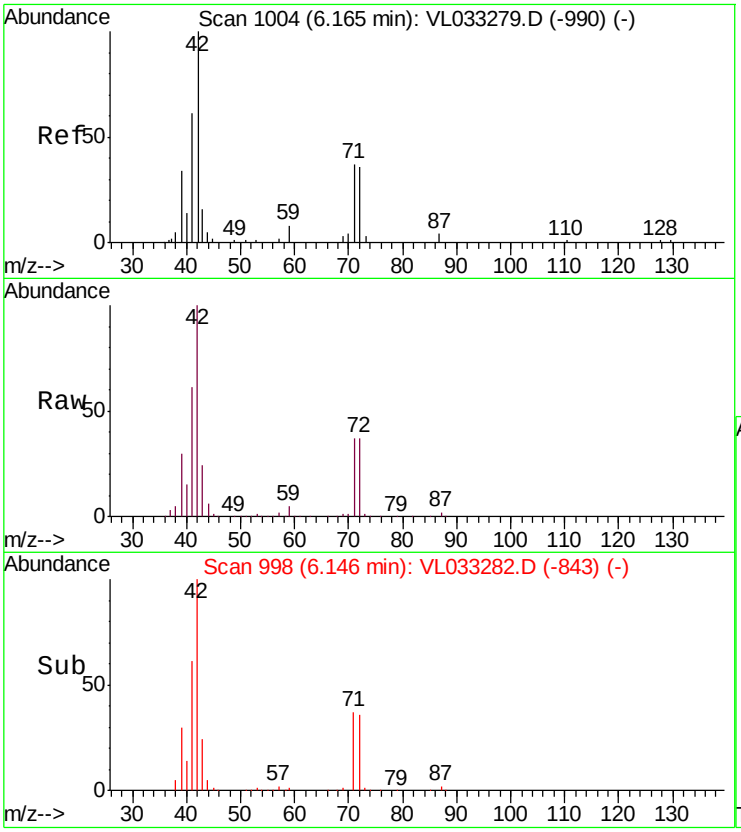


#40
1,4-Dioxane
Concen: 8.020 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 88 Resp: 212156

Ion	Ratio	Lower	Upper
88	100		
58	138.5	107.0	160.6
43	312.3	230.2	345.4
57	1402.4	1014.9	1522.3



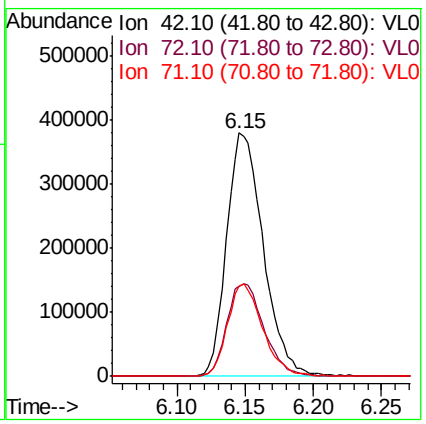


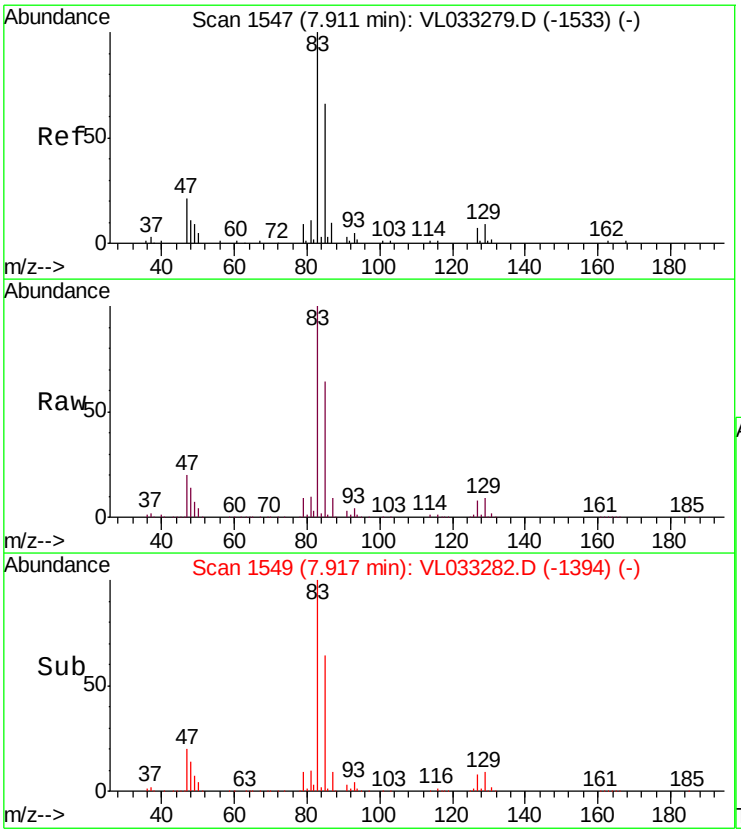
#41
Tetrahydrofuran
Concen: 9.557 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion: 42 Resp: 710552

Ion	Ratio	Lower	Upper
42	100		
72	38.5	30.6	46.0
71	36.6	29.7	44.5

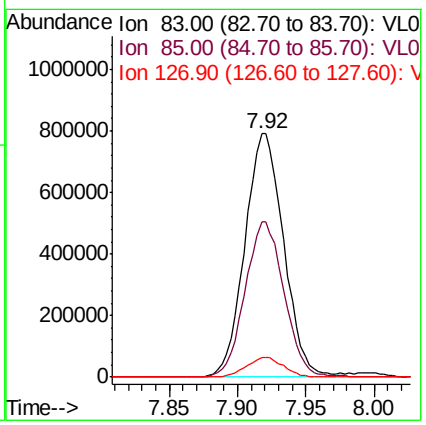


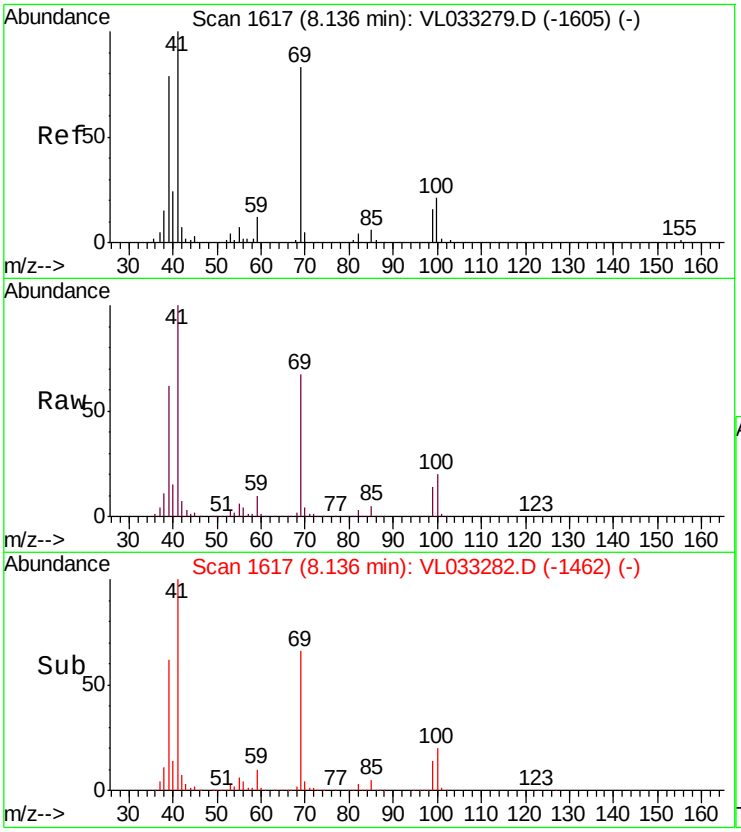


#42
Bromodichloromethane
Concen: 10.132 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 83 Resp: 1562426

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4
127	8.0	6.0	9.0



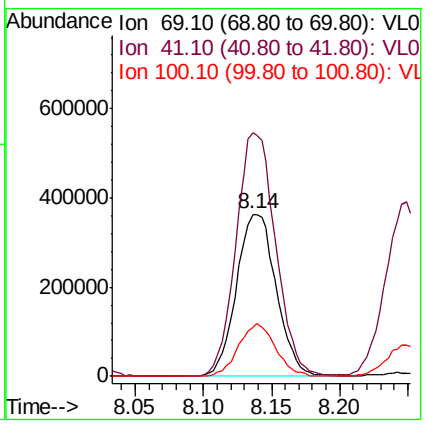


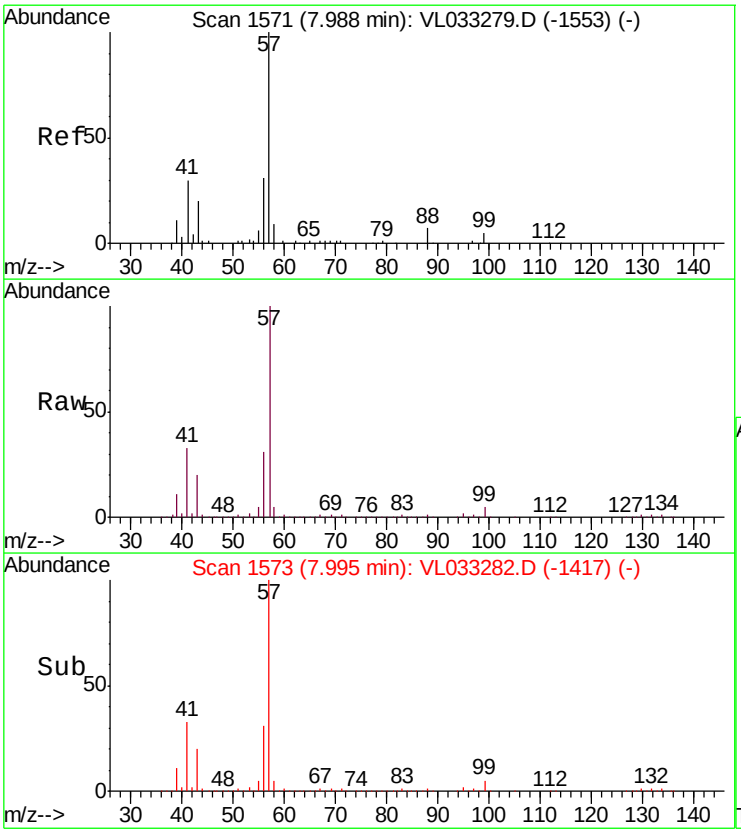
#43
Methyl Methacrylate
Concen: 10.102 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 69 Resp: 735410

Ion	Ratio	Lower	Upper
69	100		
41	149.4	121.0	181.4
100	30.3	24.4	36.6

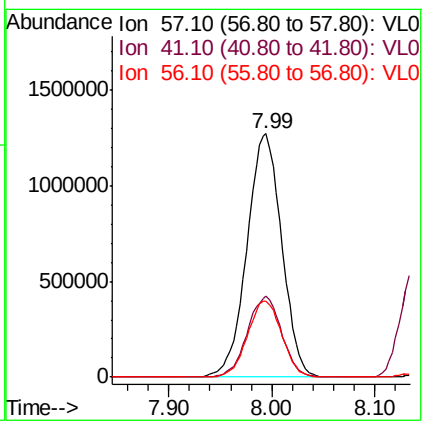


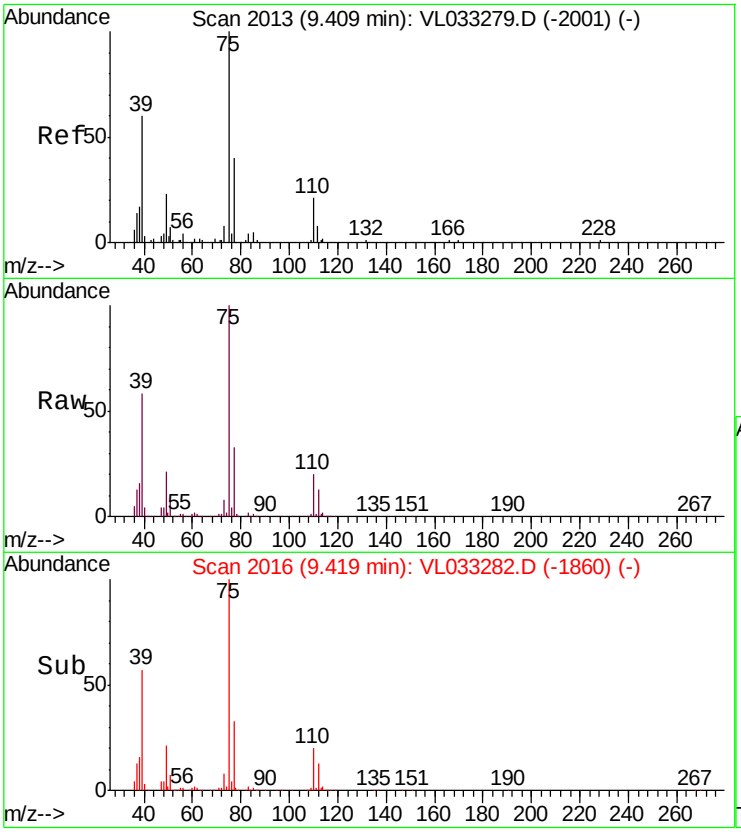


#44
2,2,4-Trimethylpentane
Concen: 9.376 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 57 Resp: 2974470

Ion	Ratio	Lower	Upper
57	100		
41	32.6	26.2	39.2
56	30.8	24.8	37.2



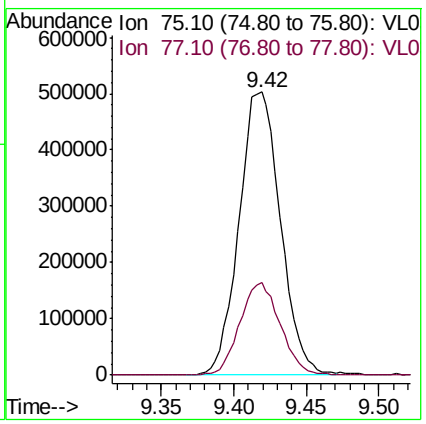


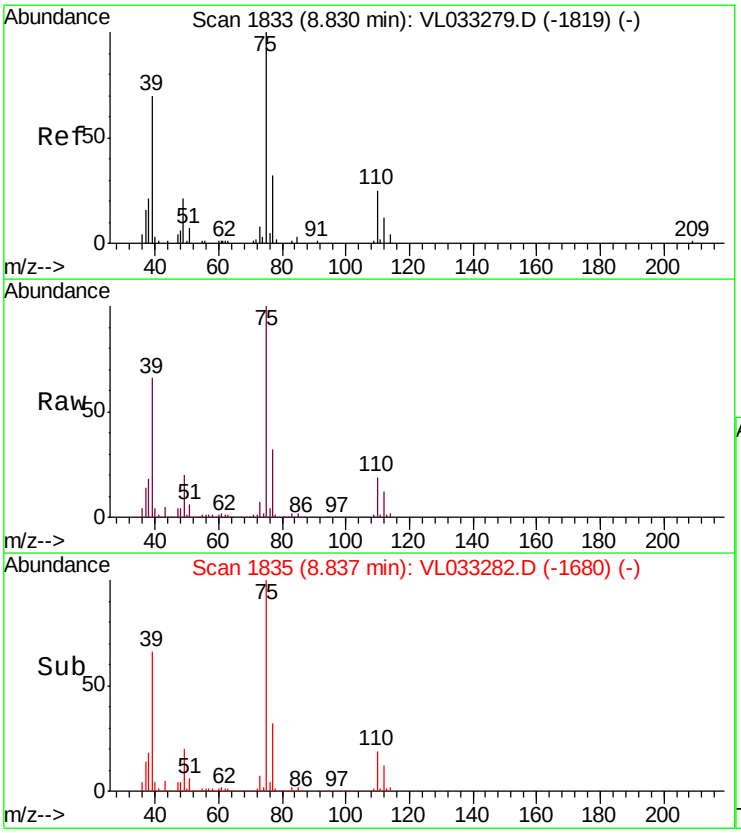
#45
t-1,3-Dichloropropene
Concen: 11.172 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 75 Resp: 999743

Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.4	36.6

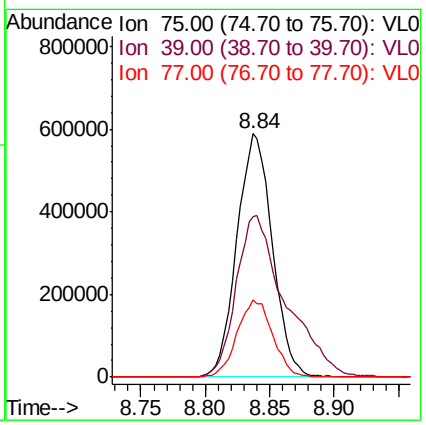


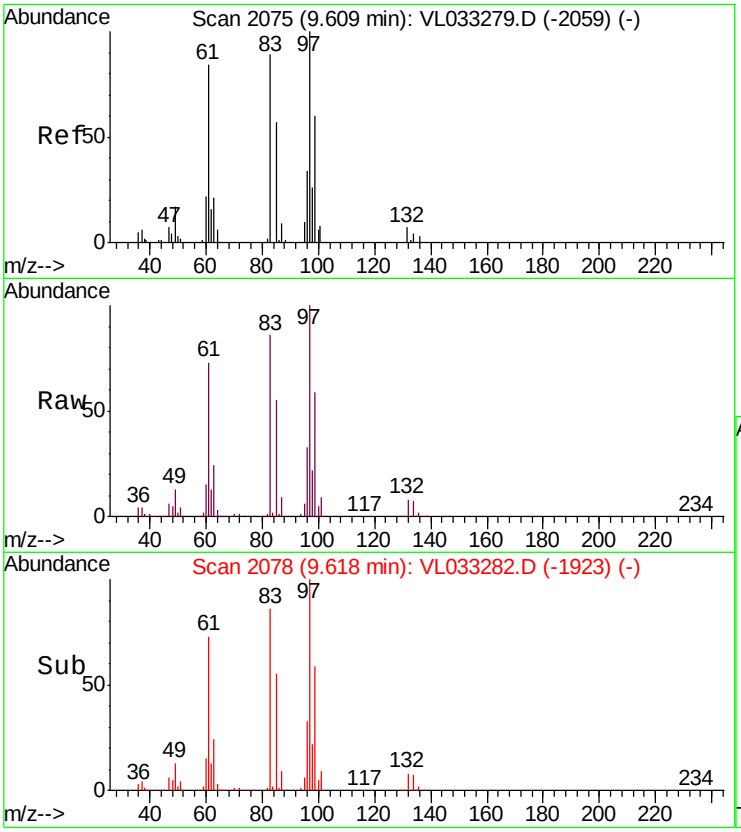


#46
cis-1,3-Dichloropropene
Concen: 10.754 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 75 Resp: 1127980

Ion	Ratio	Lower	Upper
75	100		
39	65.8	54.2	81.2
77	31.8	24.5	36.7



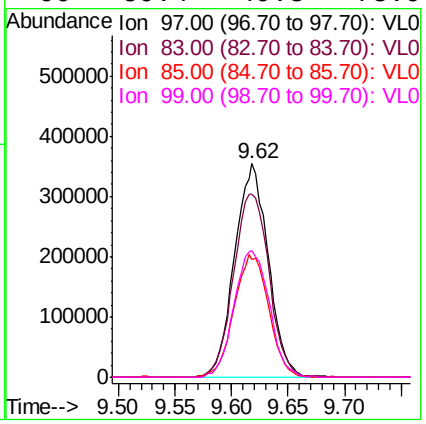


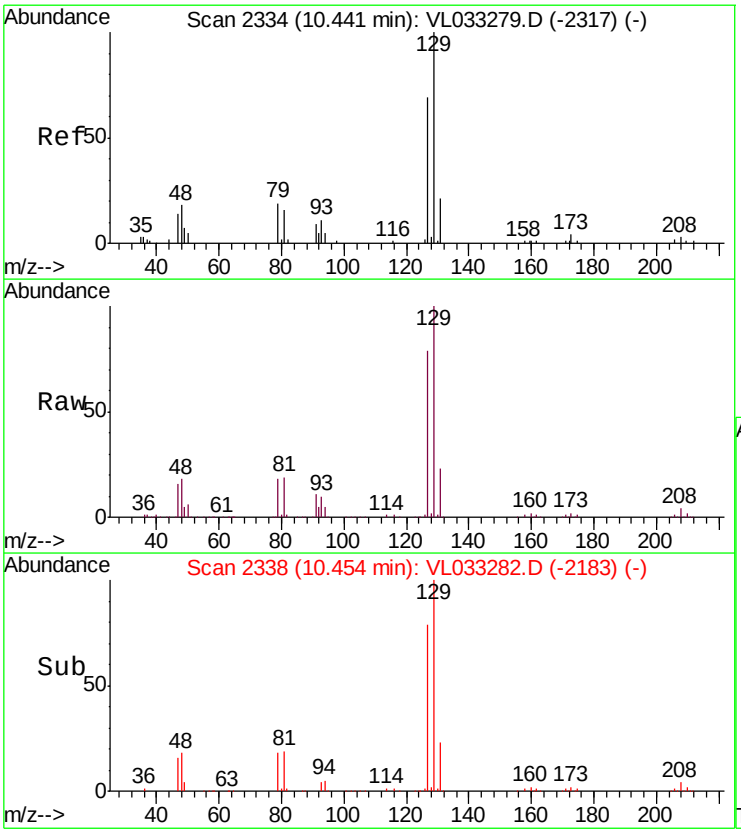
#47
1,1,2-Trichloroethane
Concen: 9.789 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 97 Resp: 734656

Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	55.2	48.2	72.4
99	59.4	49.3	73.9

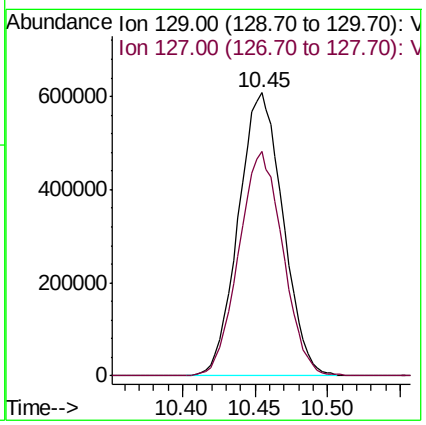


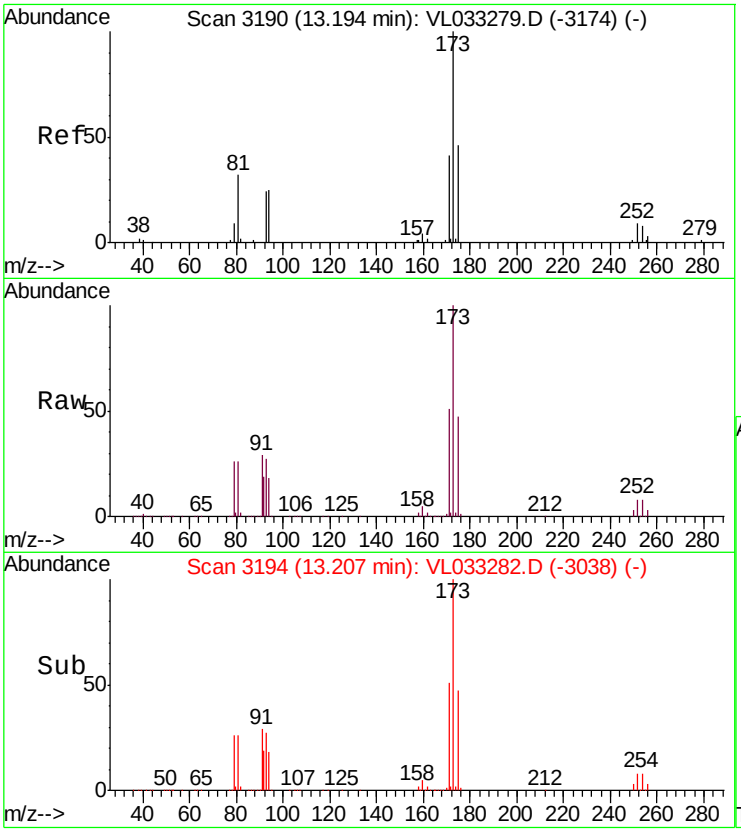


#48
Dibromochloromethane
Concen: 10.578 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:129 Resp: 1301644

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.9	116.6



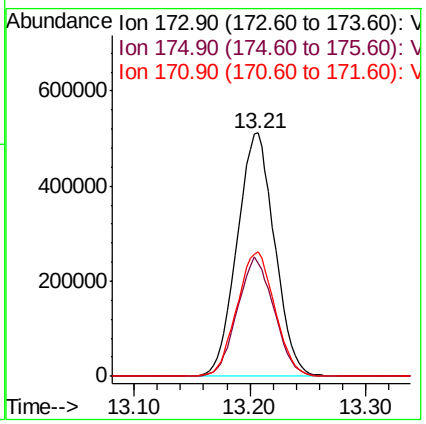


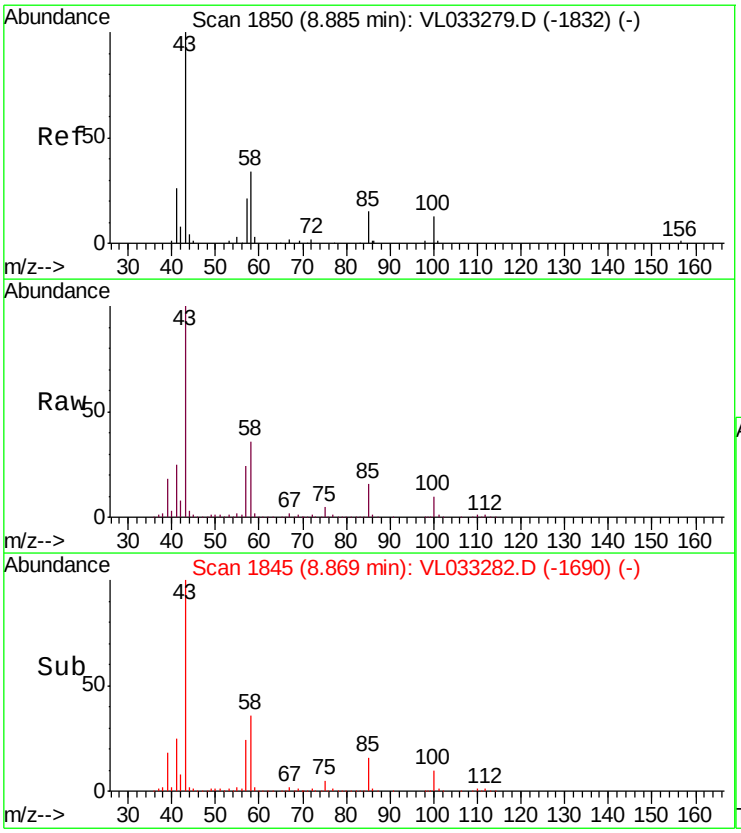
#49
Bromoform
Concen: 11.565 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion:173 Resp: 1153487

Ion	Ratio	Lower	Upper
173	100		
175	47.7	39.0	58.6
171	51.6	41.2	61.8

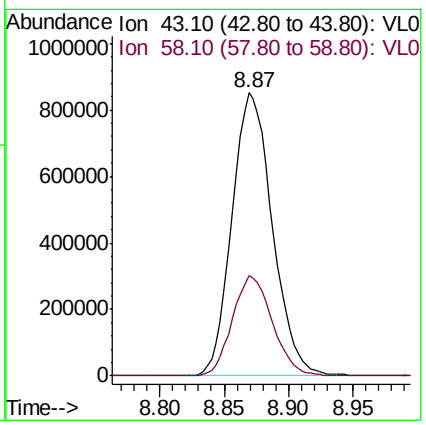


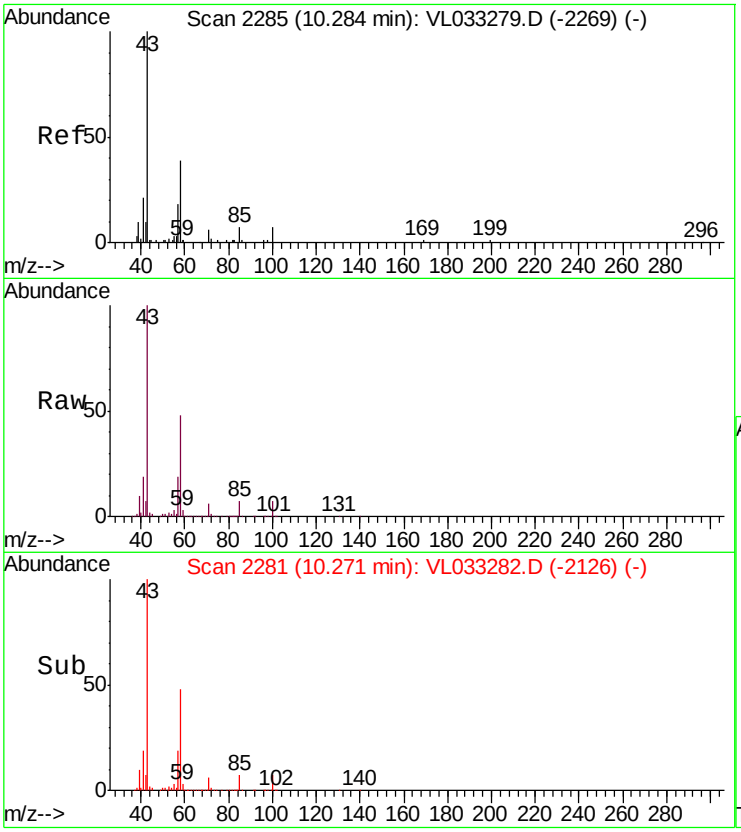


#50
4-Methyl-2-Pentanone
Concen: 9.710 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 43 Resp: 1855785

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.0	42.0



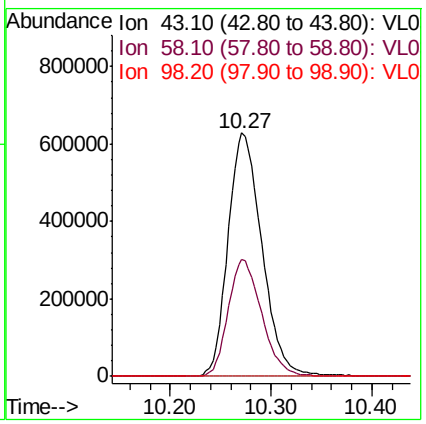


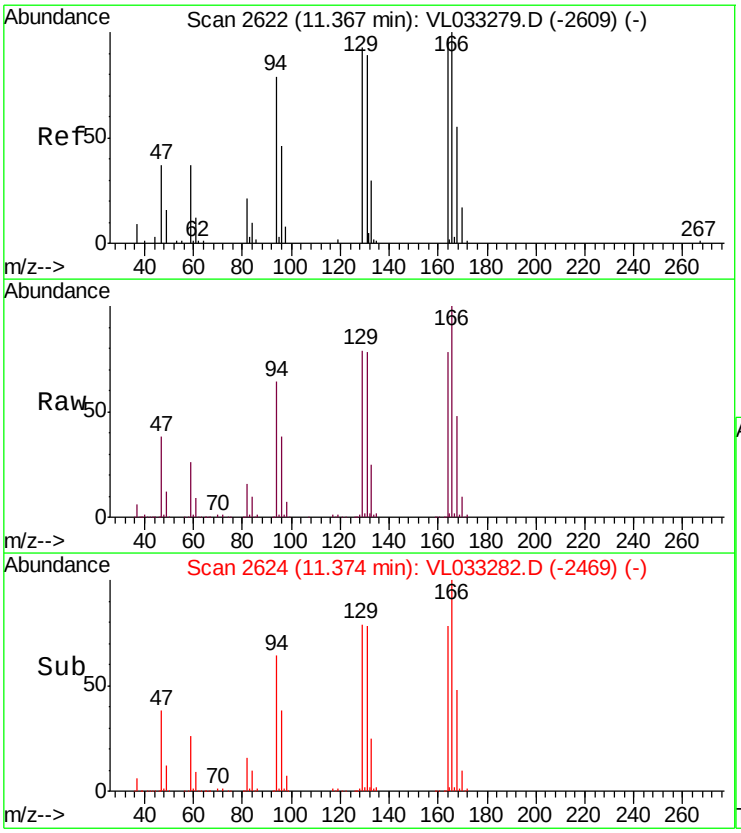
#51
2-Hexanone
Concen: 10.062 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 43 Resp: 1467860

Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.1	57.1
98	0.2	0.1	0.1#

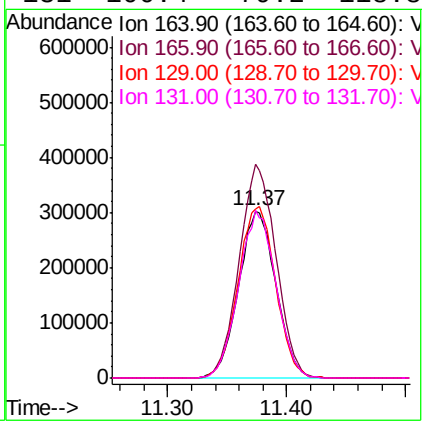


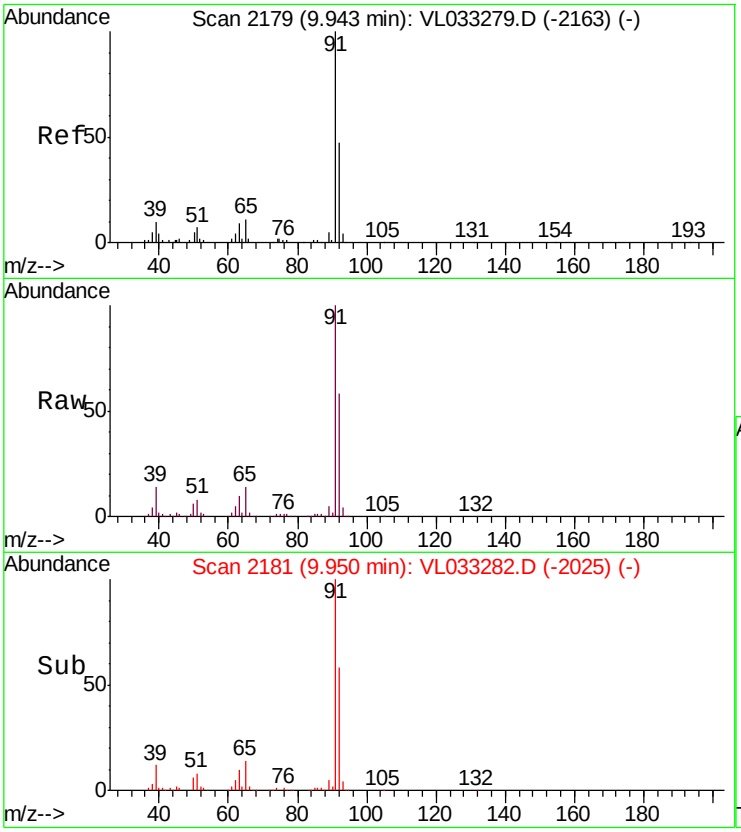


#52
Tetrachloroethene
Concen: 9.585 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:164 Resp: 656239

Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.8	151.2
129	101.6	80.6	121.0
131	100.4	79.2	118.8



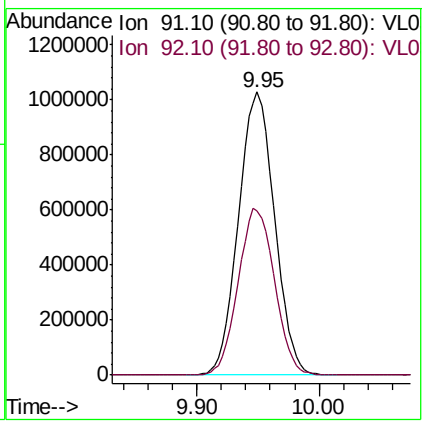


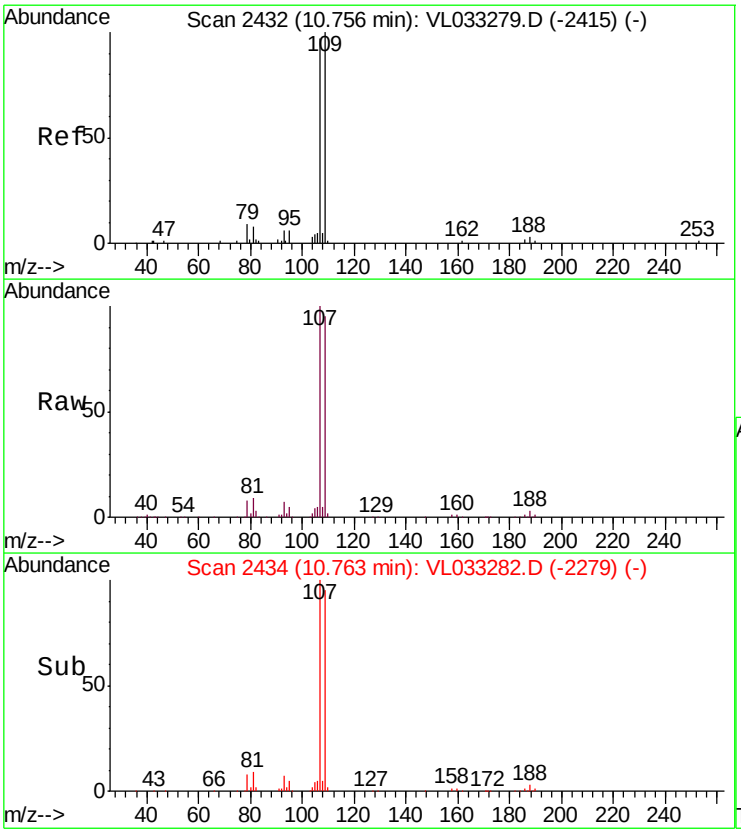
#53
Toluene
Concen: 9.766 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 91 Resp: 2102339

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.8	71.8

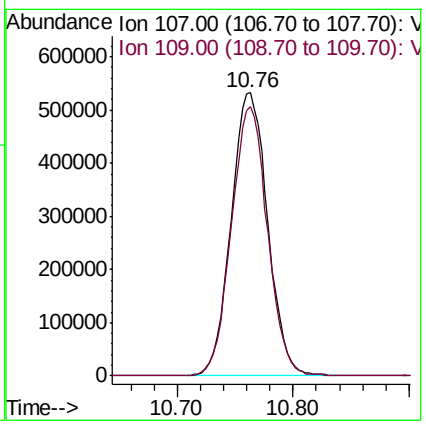


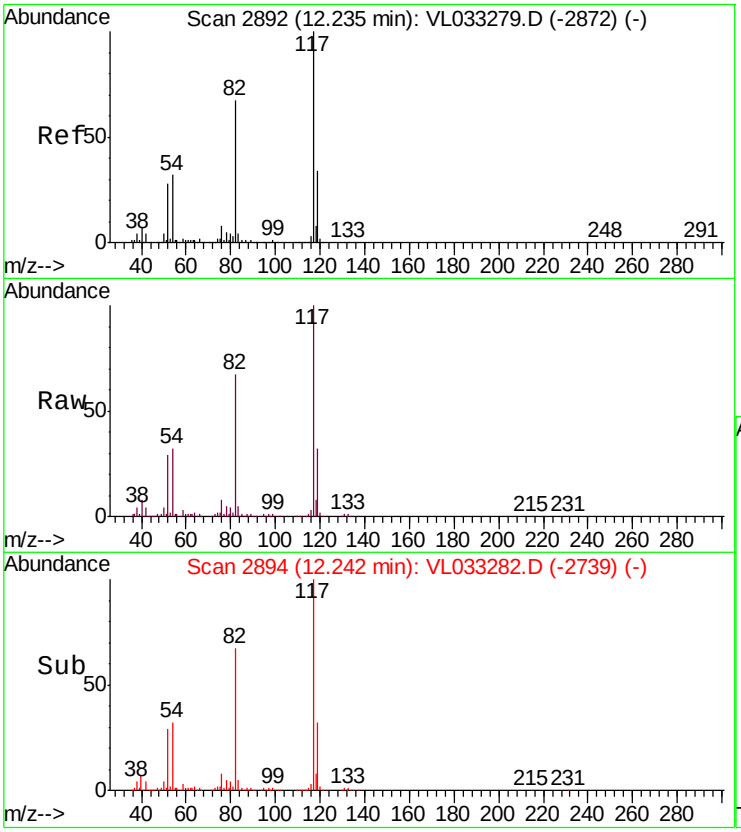


#54
1,2-Dibromoethane
Concen: 10.088 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:107 Resp: 1163663

Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.2	111.2



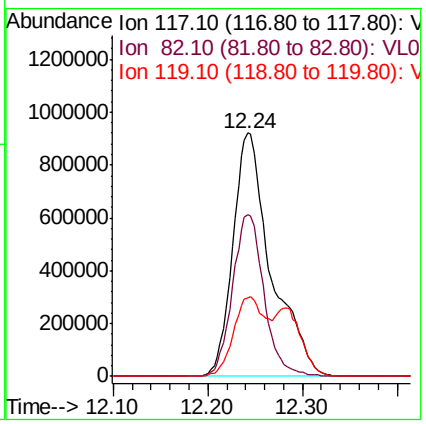


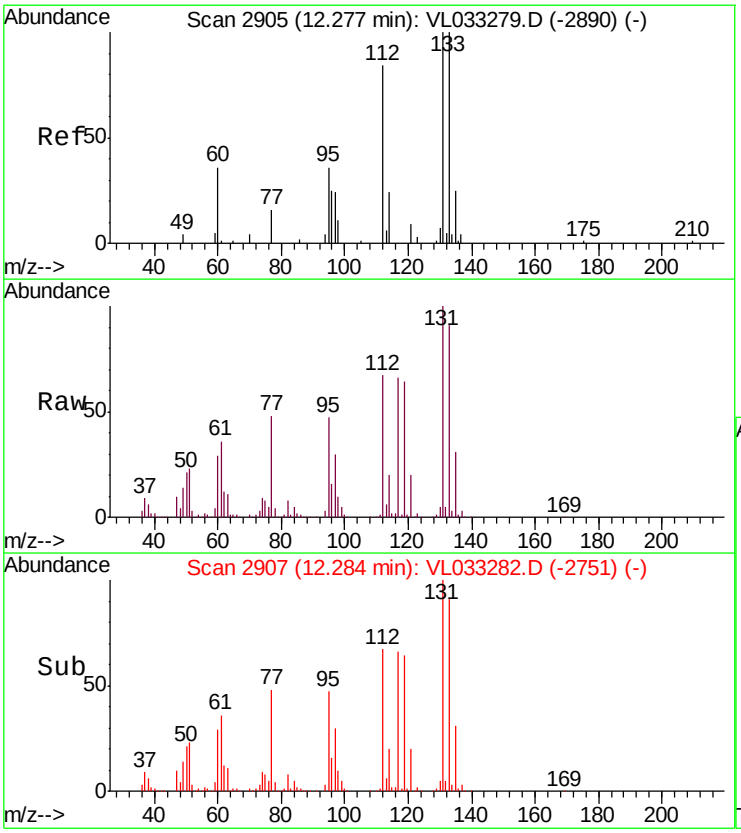
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion:117 Resp: 2582422

Ion	Ratio	Lower	Upper
117	100		
82	54.8	51.1	76.7
119	28.1	43.6	65.4#

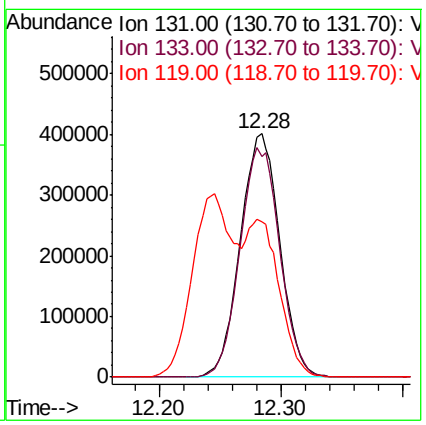


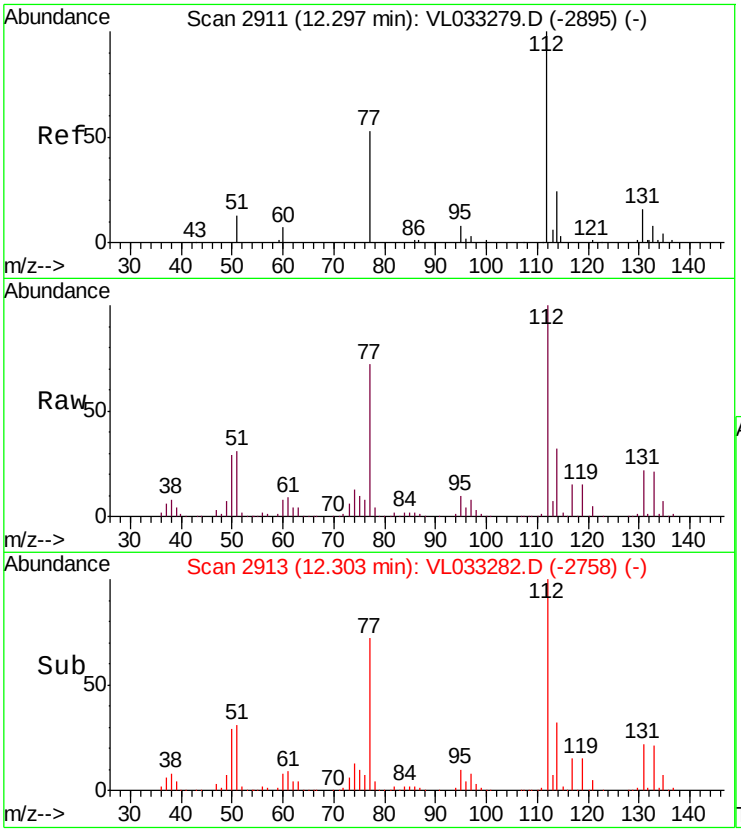


#56
1,1,1,2-Tetrachloroethane
Concen: 8.156 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:131 Resp: 895291

Ion	Ratio	Lower	Upper
131	100		
133	95.5	76.2	114.4
119	59.3	110.3	165.5#



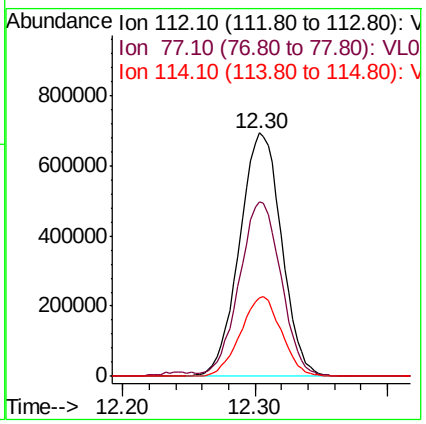


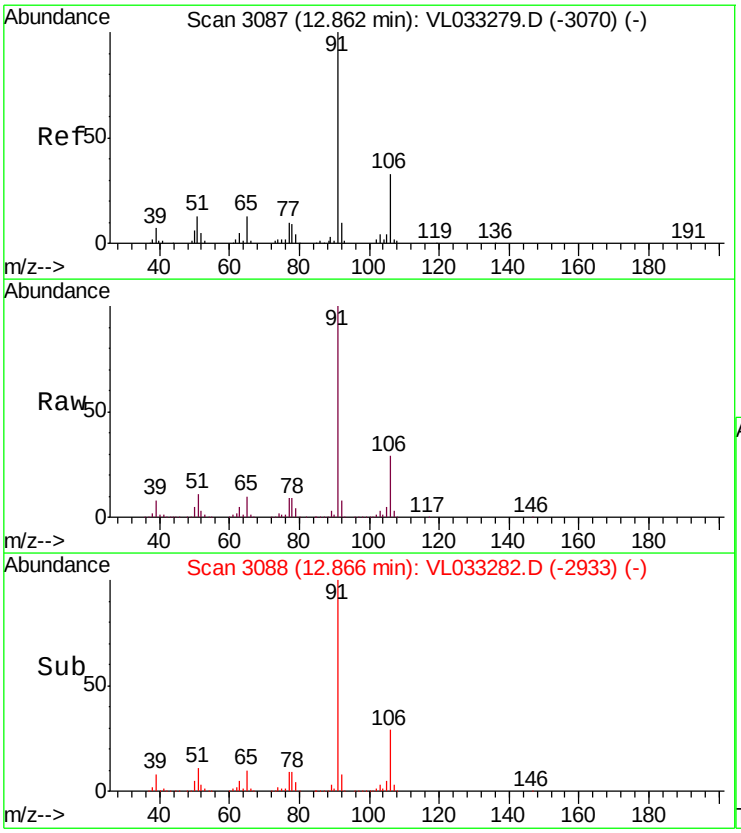
#57
Chlorobenzene
Concen: 7.866 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion:112 Resp: 1531929

Ion	Ratio	Lower	Upper
112	100		
77	71.5	55.8	83.8
114	32.3	29.5	36.1

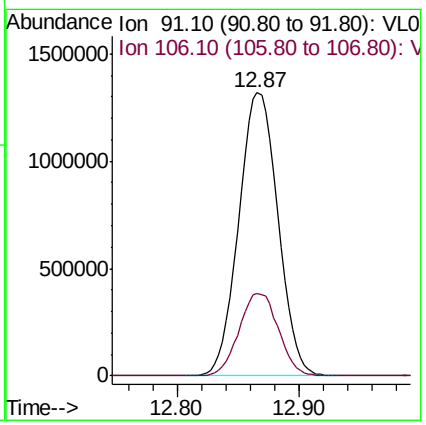


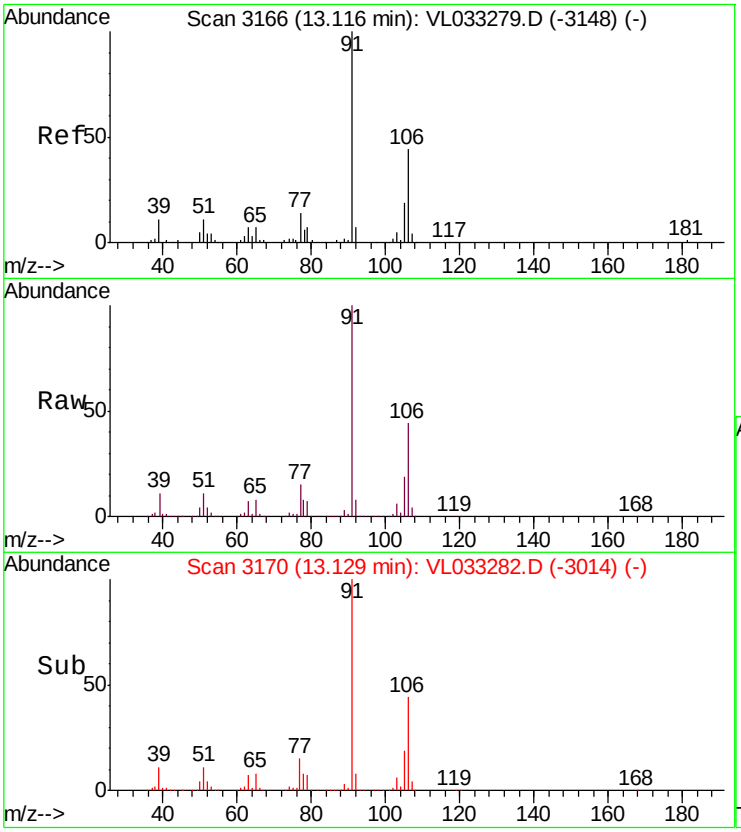


#58
Ethyl Benzene
Concen: 8.252 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 91 Resp: 2928414

Ion	Ratio	Lower	Upper
91	100		
106	29.3	22.5	33.7



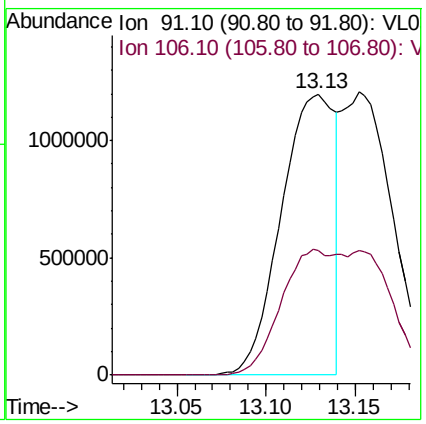


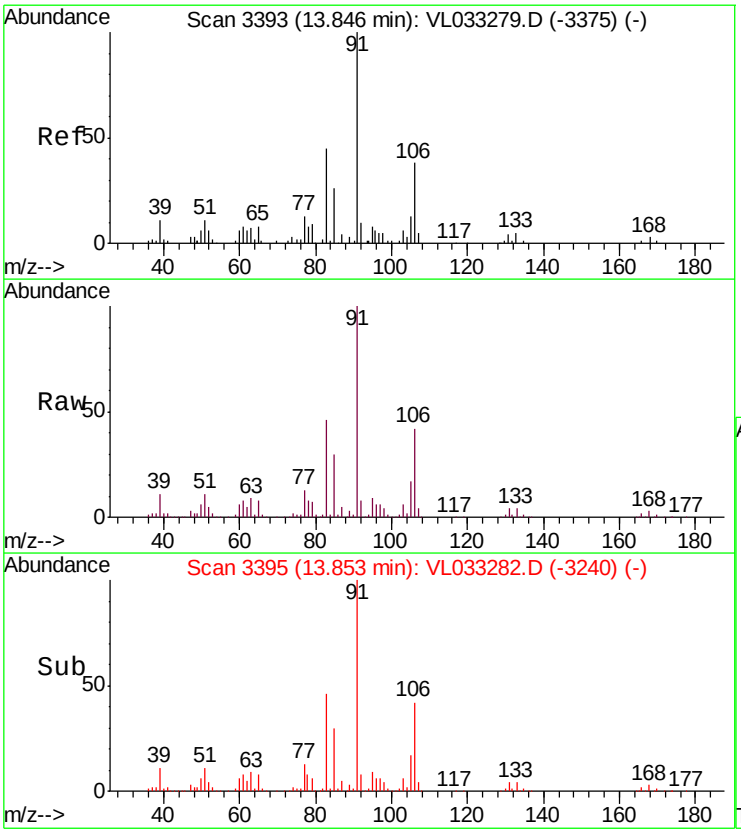
#59
m/p-Xylene
Concen: 8.374 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 91 Resp: 2485328

Ion	Ratio	Lower	Upper
91	100		
106	86.7	35.5	53.3#

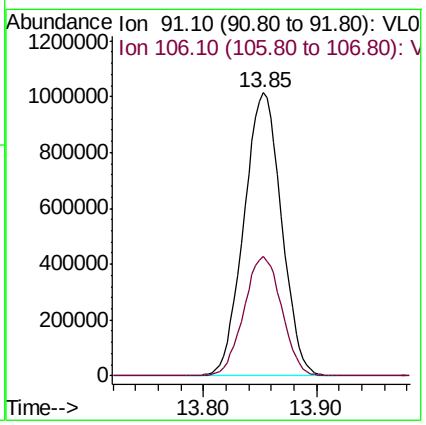


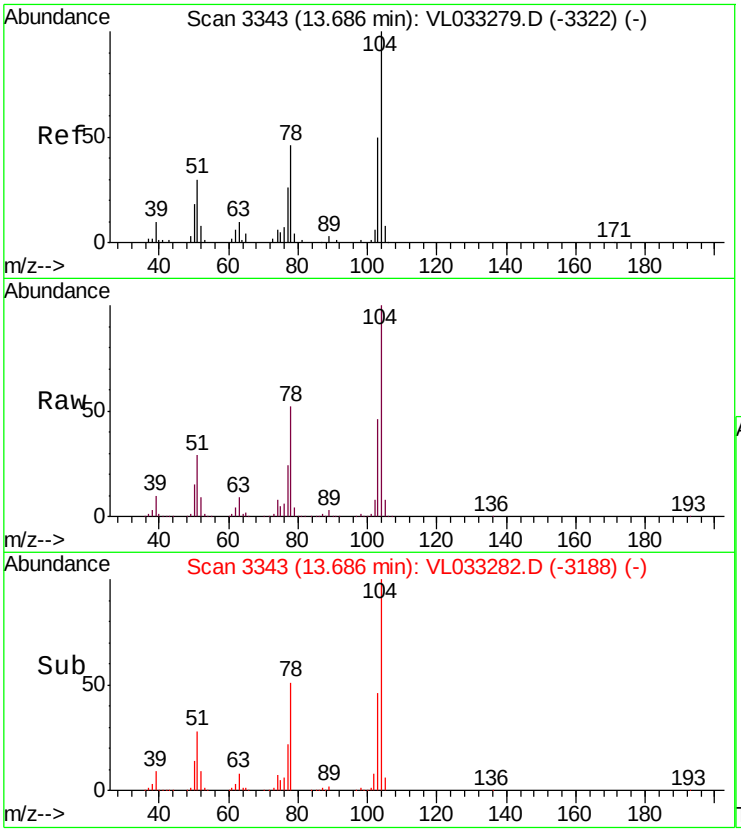


#60
o-Xylene
Concen: 8.217 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 91 Resp: 2344335

Ion	Ratio	Lower	Upper
91	100		
106	42.4	21.3	63.7



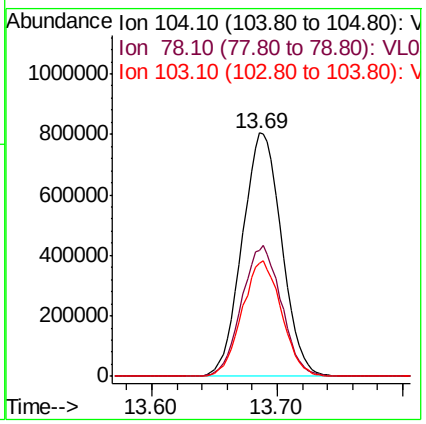


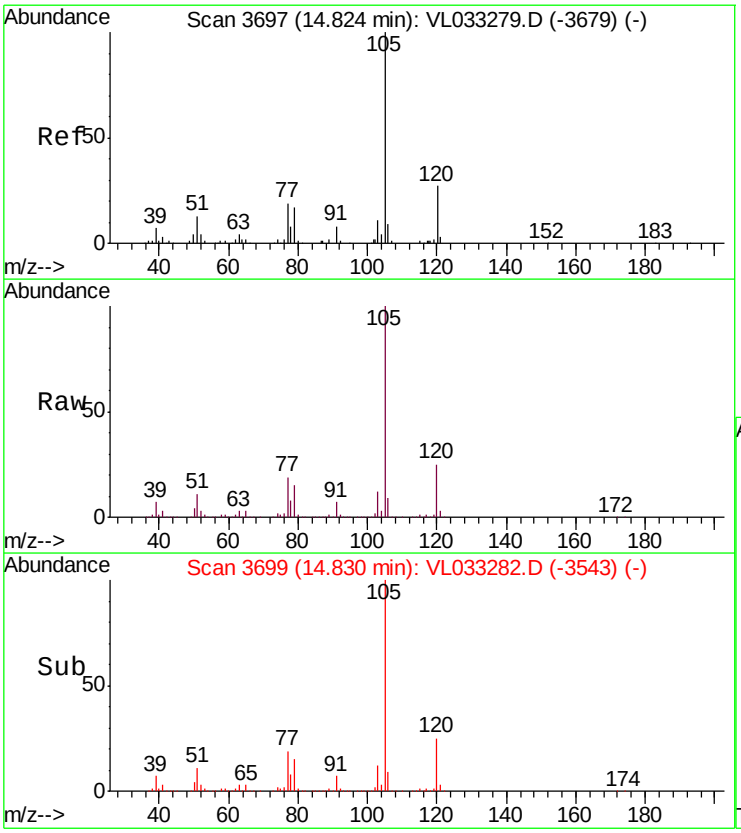
#61
Styrene
Concen: 8.680 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion:104 Resp: 1763693

Ion	Ratio	Lower	Upper
104	100		
78	53.8	43.3	64.9
103	47.4	38.0	57.0

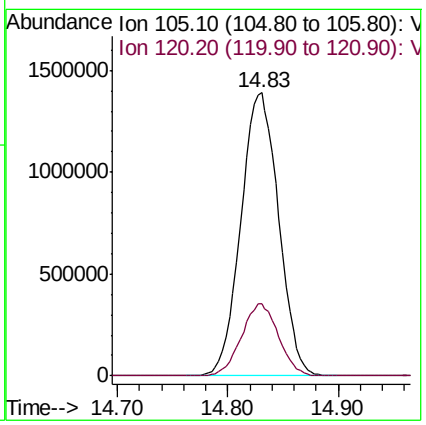


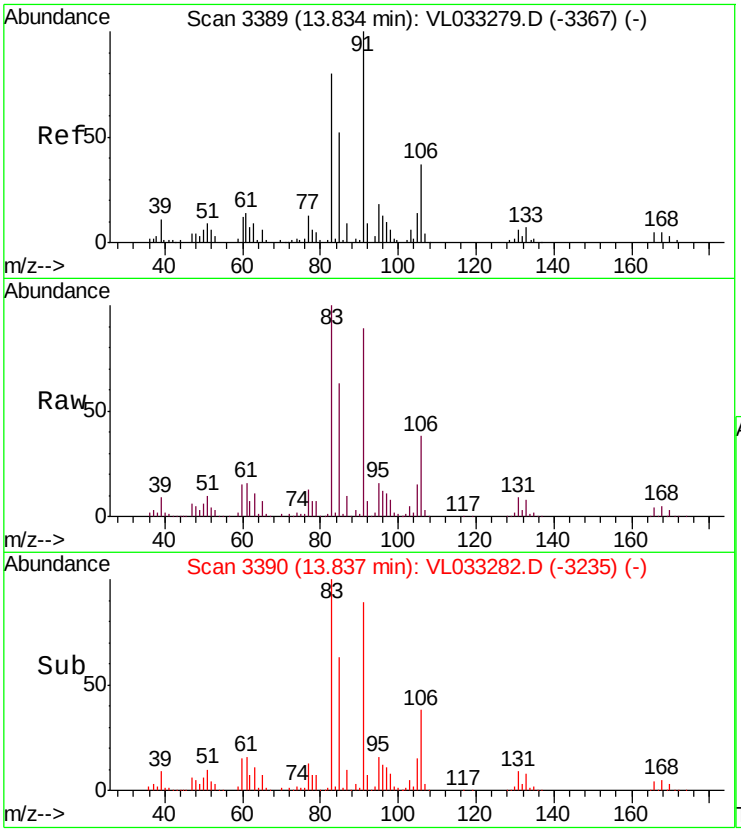


#62
Isopropylbenzene
Concen: 8.268 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:105 Resp: 3287152

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.0	30.0



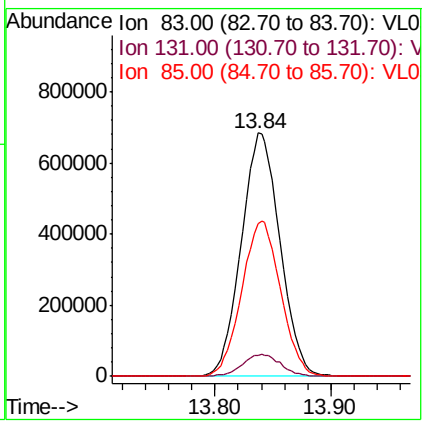


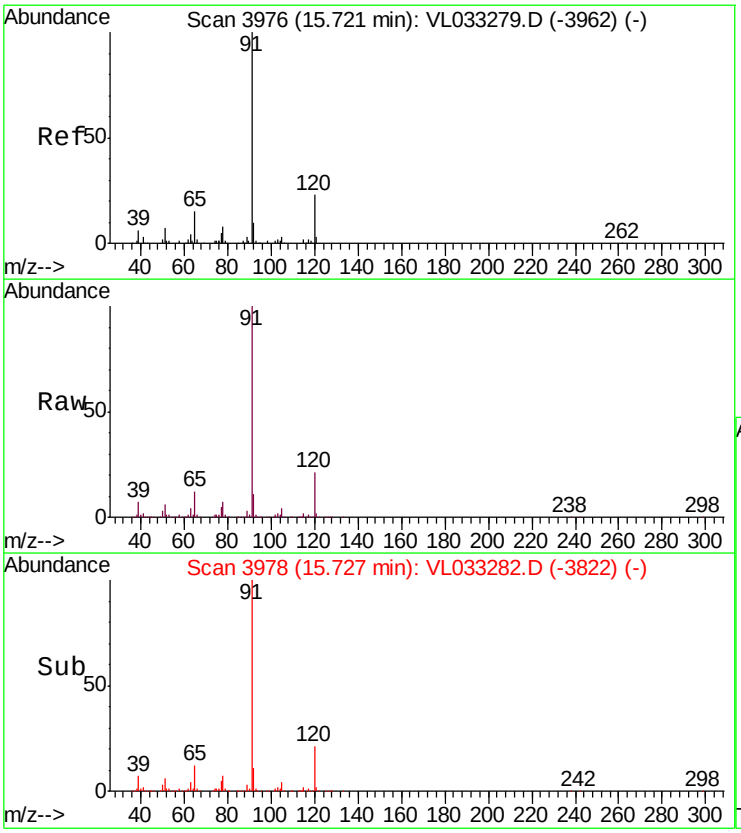
#63
1,1,2,2-Tetrachloroethane
Concen: 8.319 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 83 Resp: 1591009

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.7
85	64.2	32.2	96.6

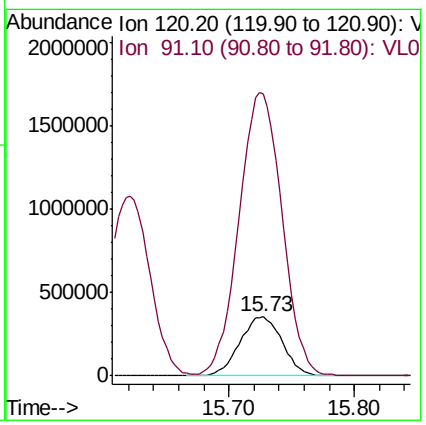


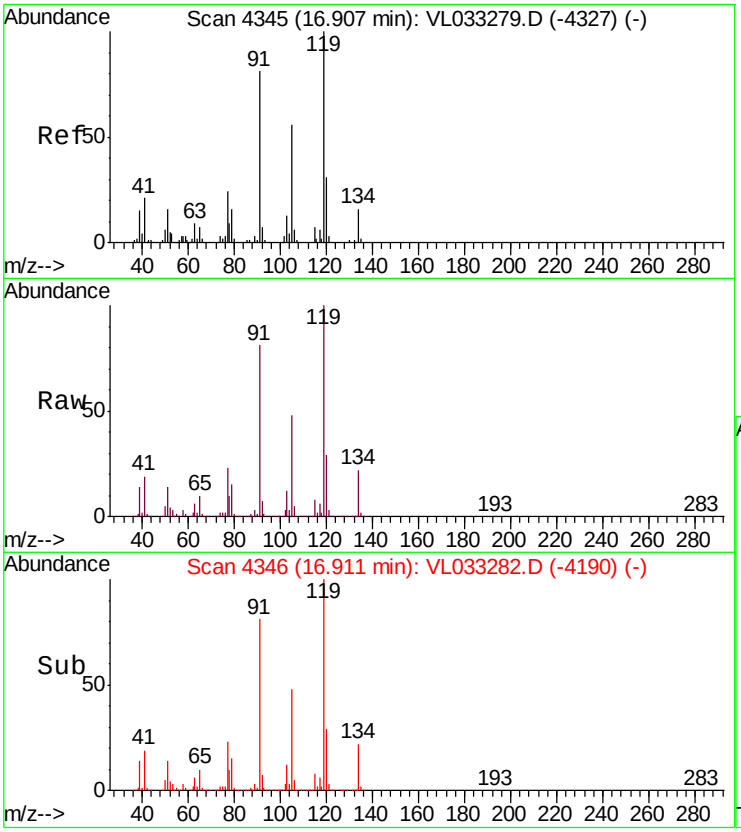


#64
n-propylbenzene
Concen: 8.530 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:120 Resp: 834442

Ion	Ratio	Lower	Upper
120	100		
91	486.2	385.8	578.8



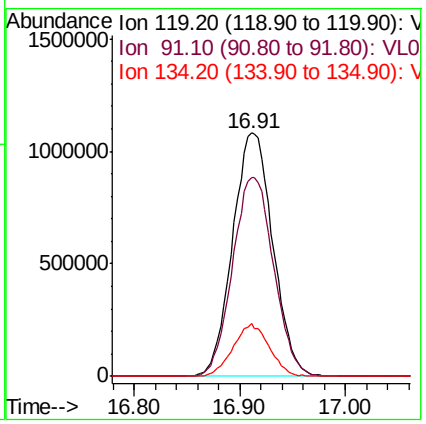


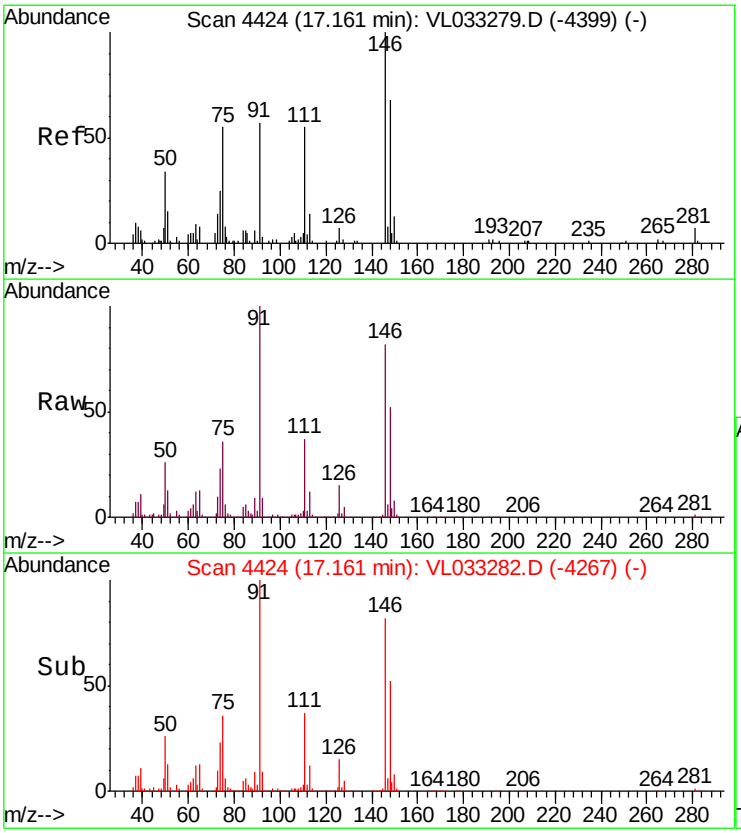
#65
tert-Butylbenzene
Concen: 8.539 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion:119 Resp: 2865316

Ion	Ratio	Lower	Upper
119	100		
91	83.5	67.3	100.9
134	19.5	15.4	23.2

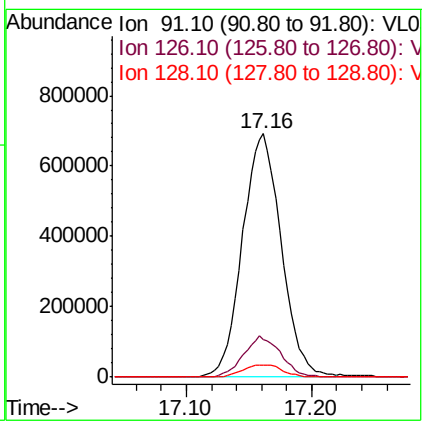


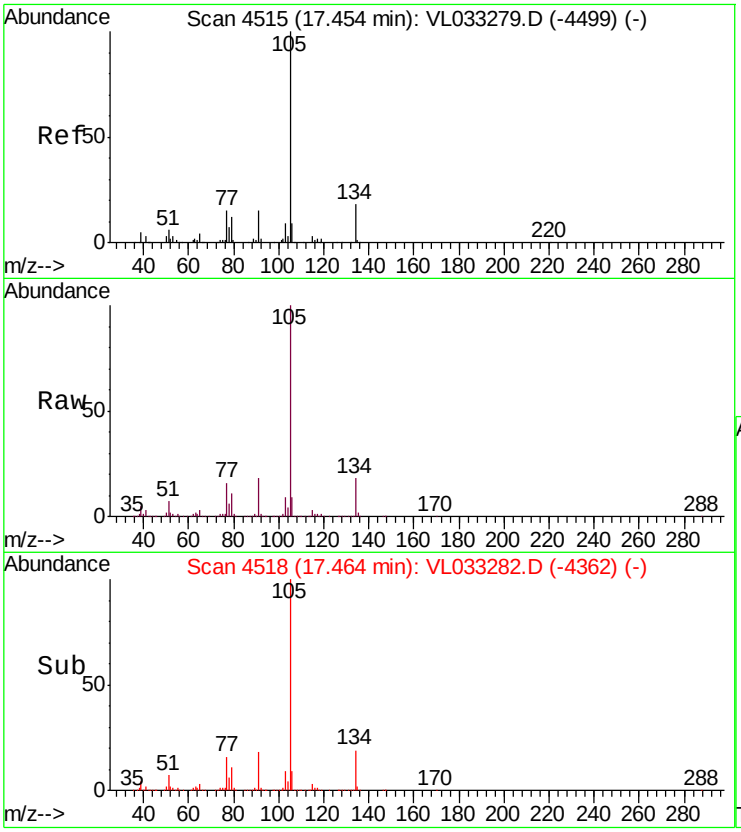


#66
Benzyl Chloride
Concen: 11.417 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 91 Resp: 1483994

Ion	Ratio	Lower	Upper
91	100		
126	16.3	13.0	19.6
128	5.3	4.3	6.5



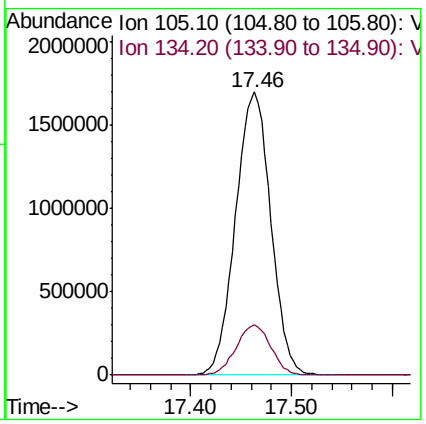


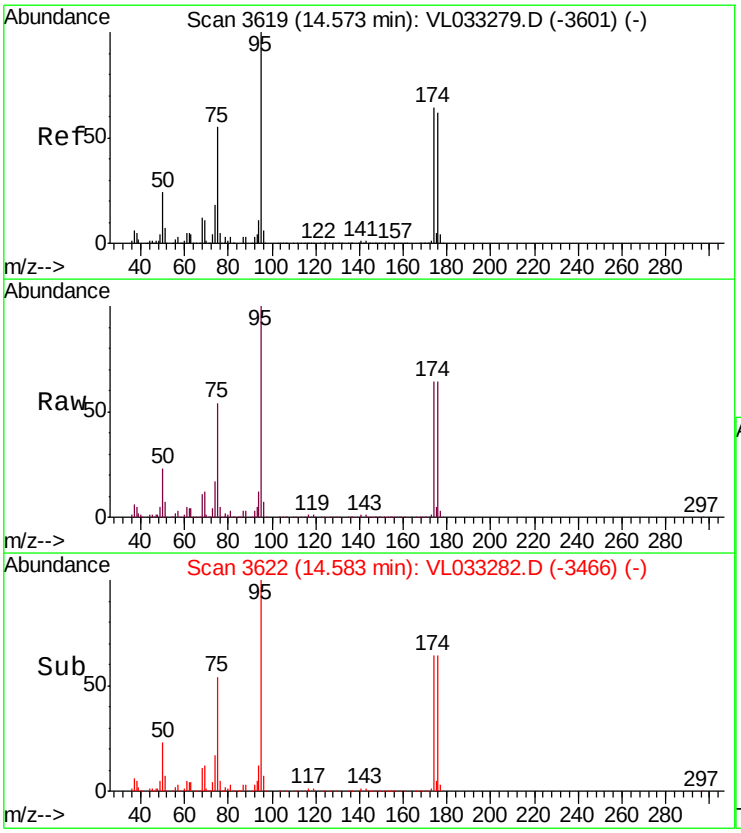
#67
sec-Butylbenzene
Concen: 8.590 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion:105 Resp: 4102733

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.2	21.2

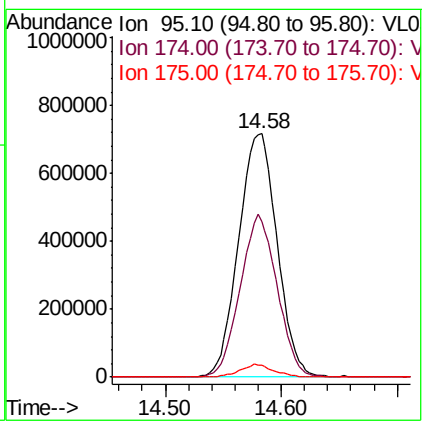


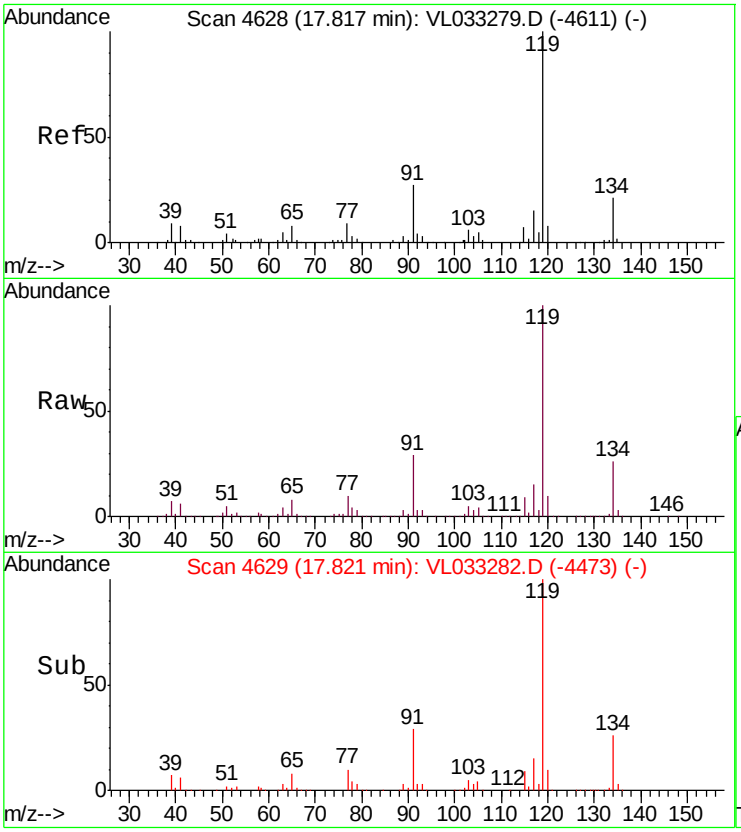


#68
1-Bromo-4-Fluorobenzene
Concen: 8.318 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 95 Resp: 1658823

Ion	Ratio	Lower	Upper
95	100		
174	64.0	51.7	77.5
175	4.7	3.7	5.5



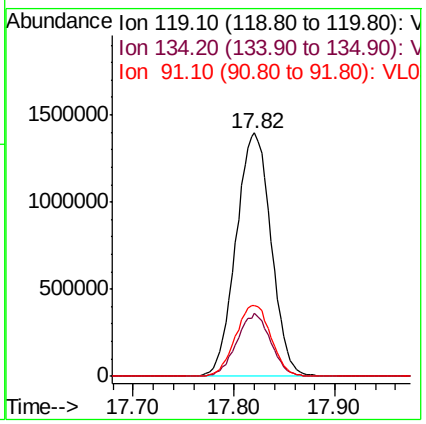


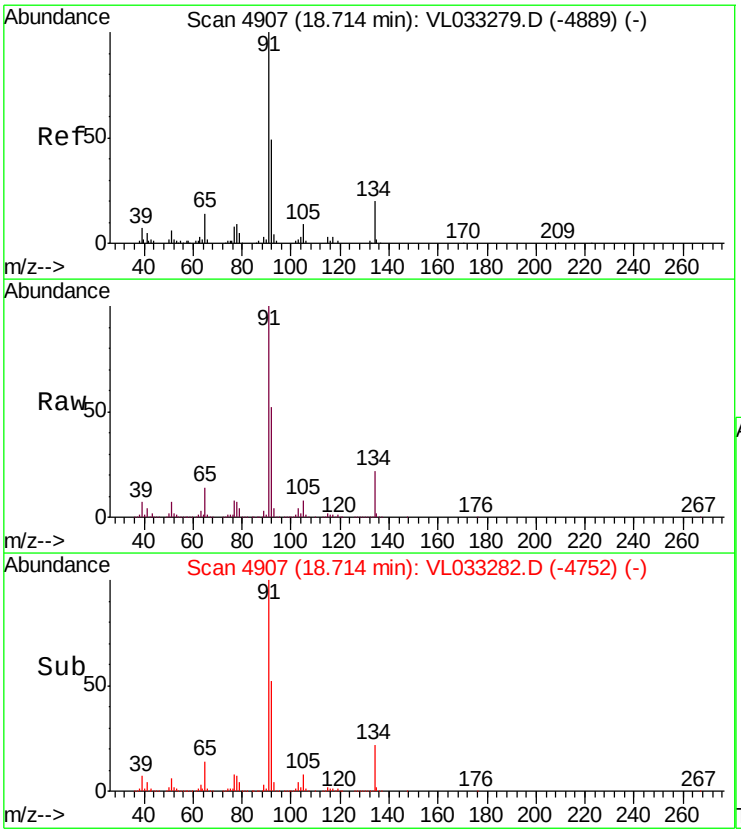
#69
p-Isopropyltoluene
Concen: 8.718 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion:119 Resp: 3363814

Ion	Ratio	Lower	Upper
119	100		
134	24.8	19.7	29.5
91	29.5	23.5	35.3

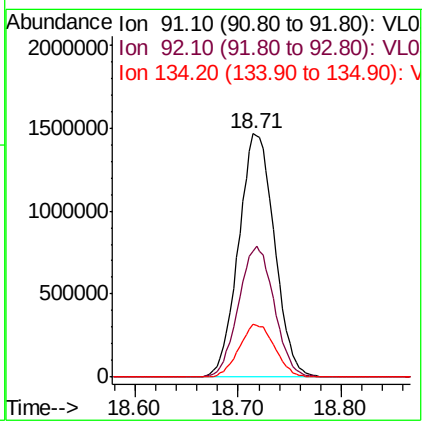


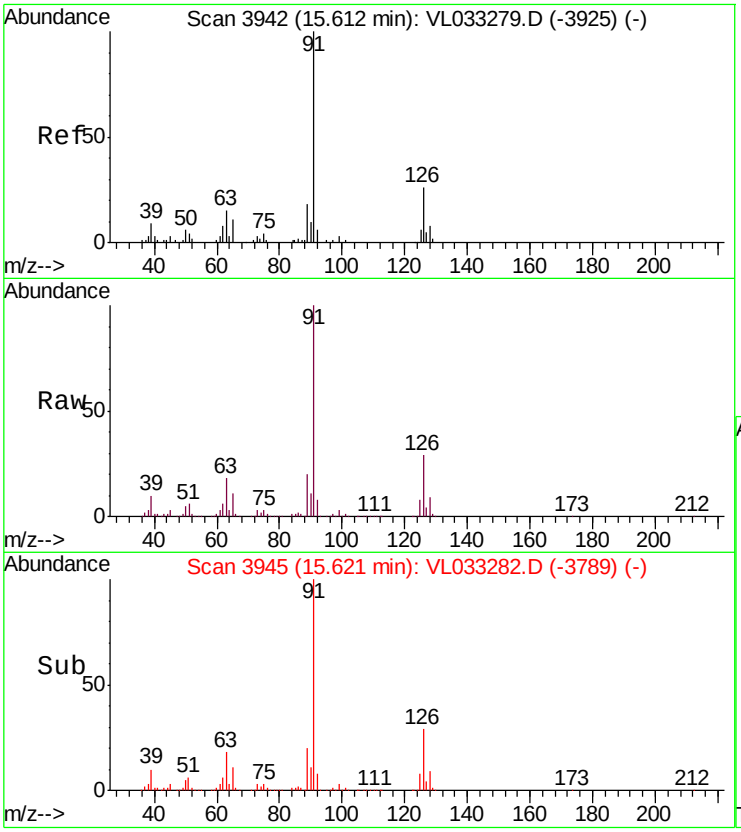


#70
n-Butylbenzene
Concen: 8.521 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion: 91 Resp: 3530331

Ion	Ratio	Lower	Upper
91	100		
92	53.5	42.4	63.6
134	21.5	17.1	25.7



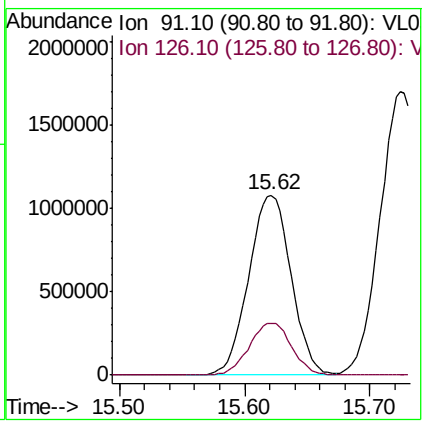


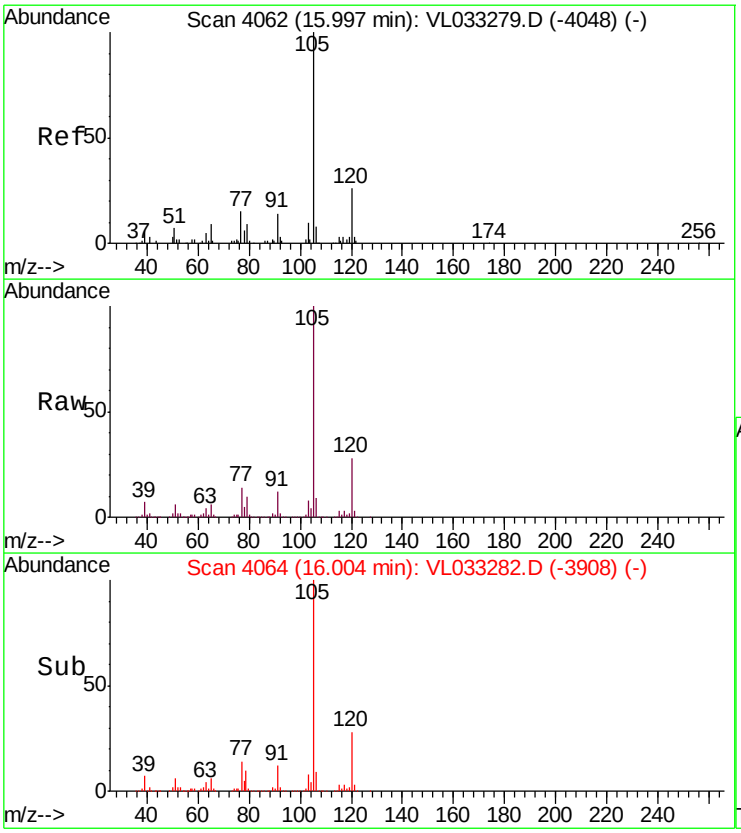
#71
2-Chlorotoluene
Concen: 8.486 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion: 91 Resp: 2543173

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.7	46.7

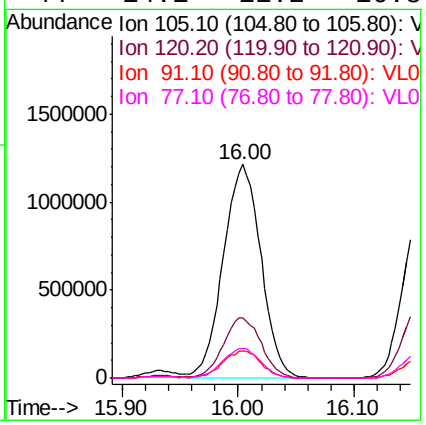


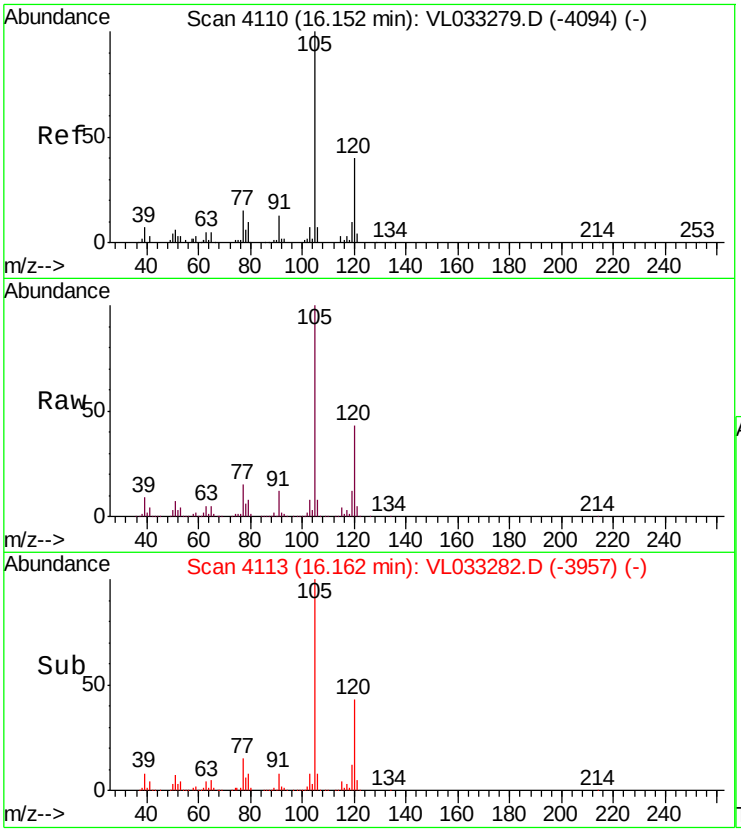


#72
4-Ethyltoluene
Concen: 8.848 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:105 Resp: 2726764

Ion	Ratio	Lower	Upper
105	100		
120	28.6	22.9	34.3
91	12.8	10.2	15.2
77	14.1	11.2	16.8



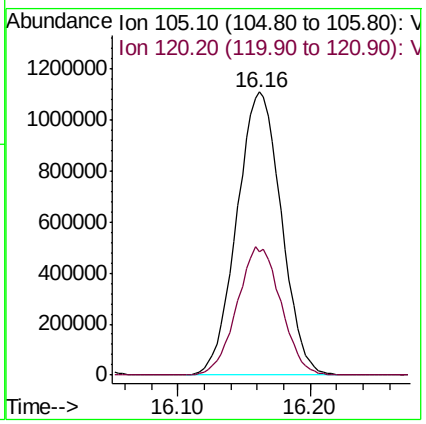


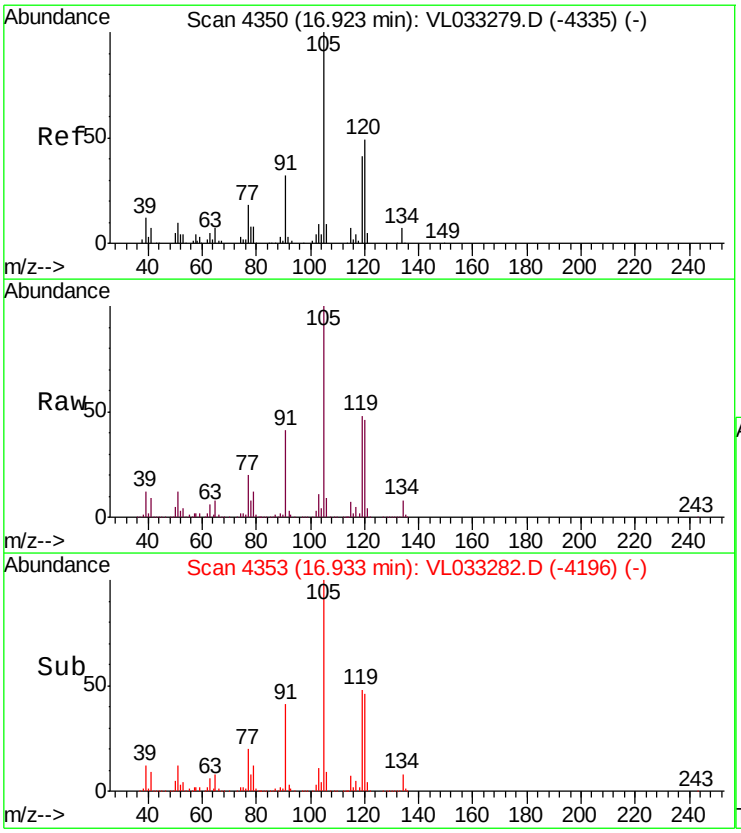
#73
1,3,5-Trimethylbenzene
Concen: 8.852 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion:105 Resp: 2570750

Ion	Ratio	Lower	Upper
105	100		
120	43.5	35.1	52.7

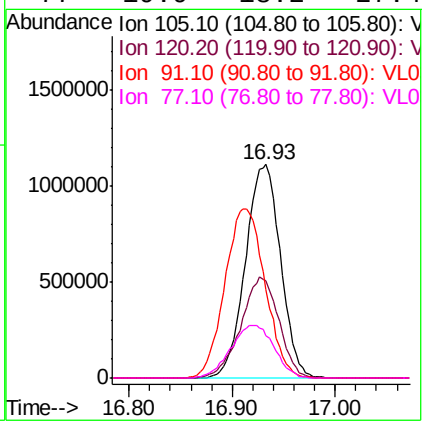


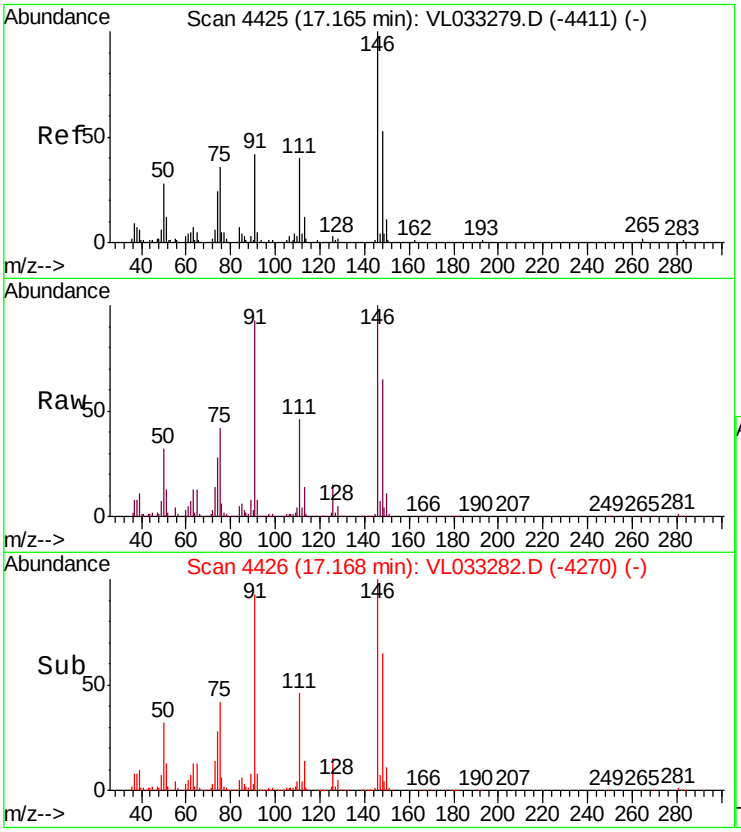


#74
1,2,4-Trimethylbenzene
Concen: 8.882 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:105 Resp: 2626955

Ion	Ratio	Lower	Upper
105	100		
120	45.7	36.1	54.1
91	41.2	38.6	58.0
77	19.9	18.2	27.4



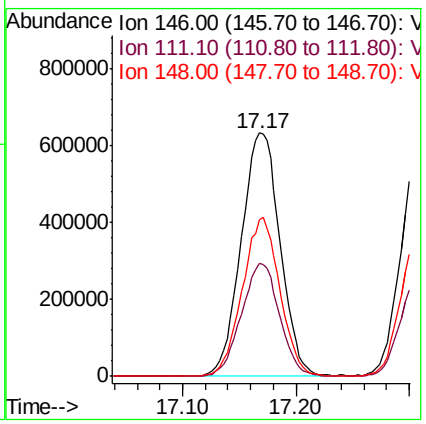


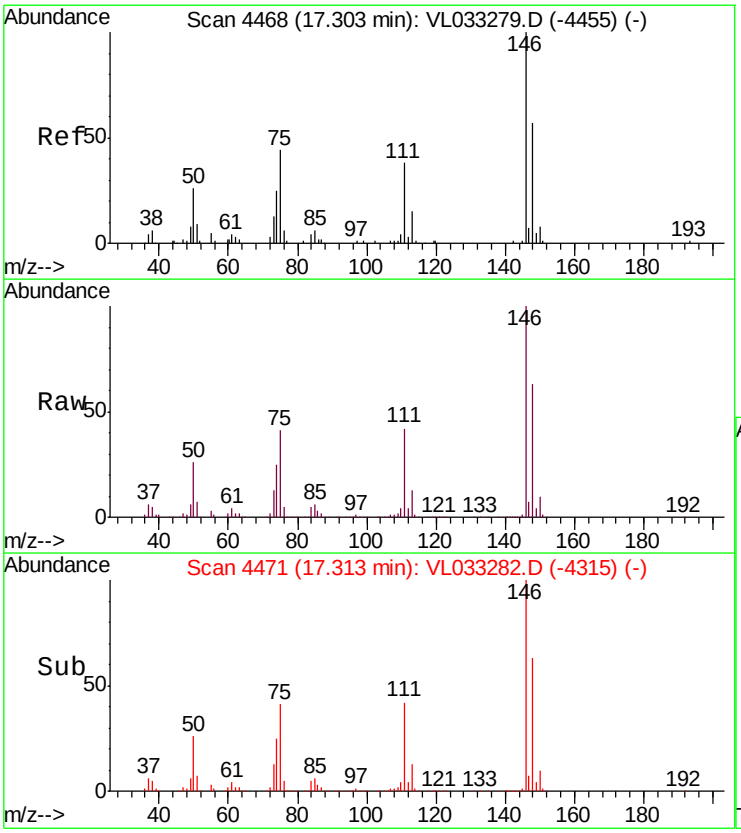
#75
1,3-Dichlorobenzene
Concen: 8.539 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion:146 Resp: 1513646

Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.8	68.4
148	63.0	31.8	95.3

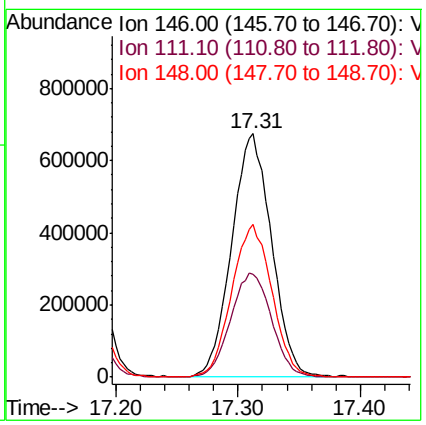


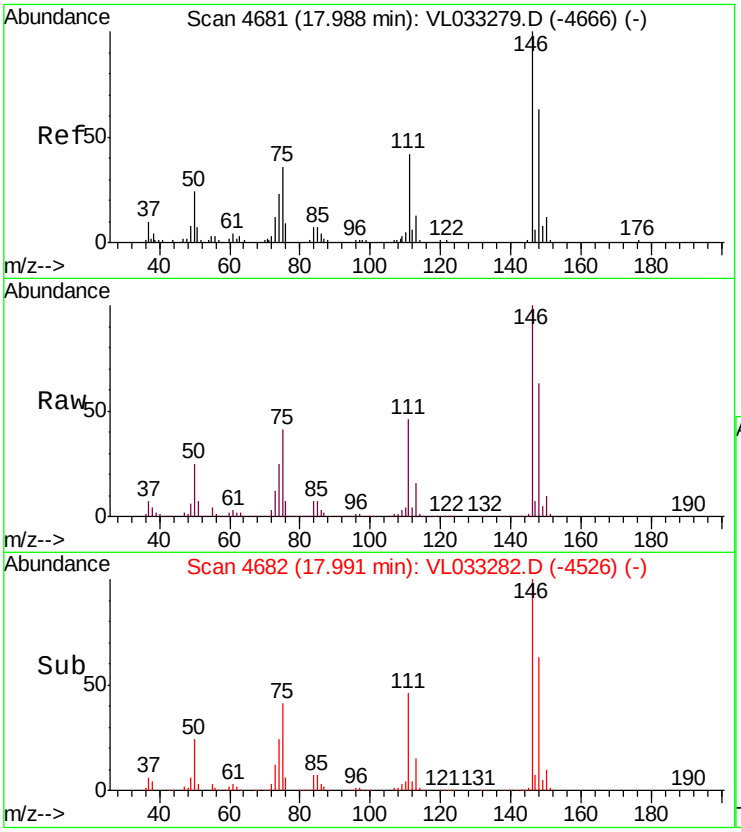


#76
1,4-Dichlorobenzene
Concen: 8.603 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:146 Resp: 1508110

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.1	66.1
148	63.8	31.8	95.3



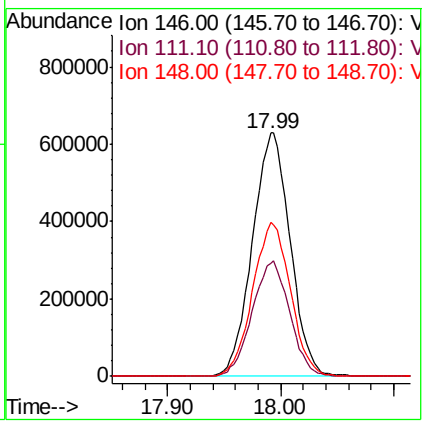


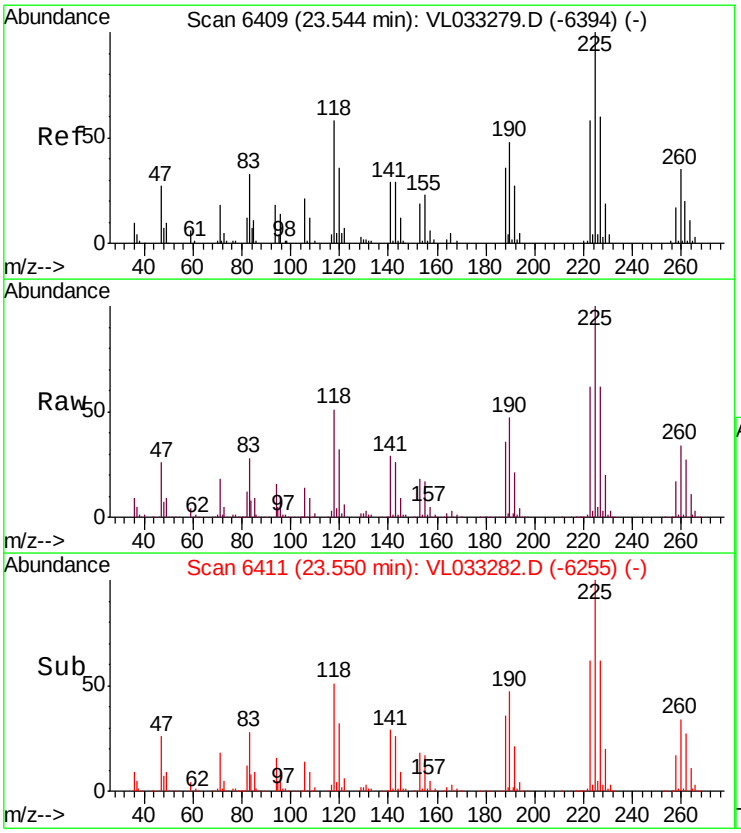
#77
1,2-Dichlorobenzene
Concen: 8.254 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument : MSVOA_L
ClientSampleId : VL0312ABS01

Tgt Ion:146 Resp: 1456504

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.5	70.5
148	63.5	31.7	95.1

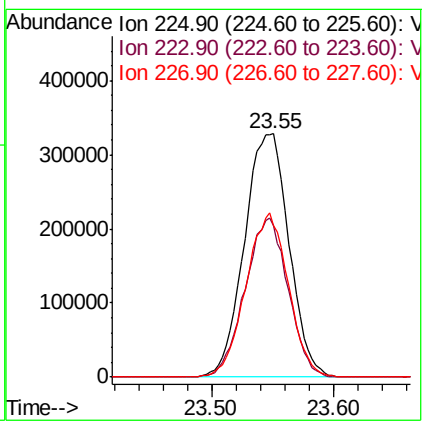


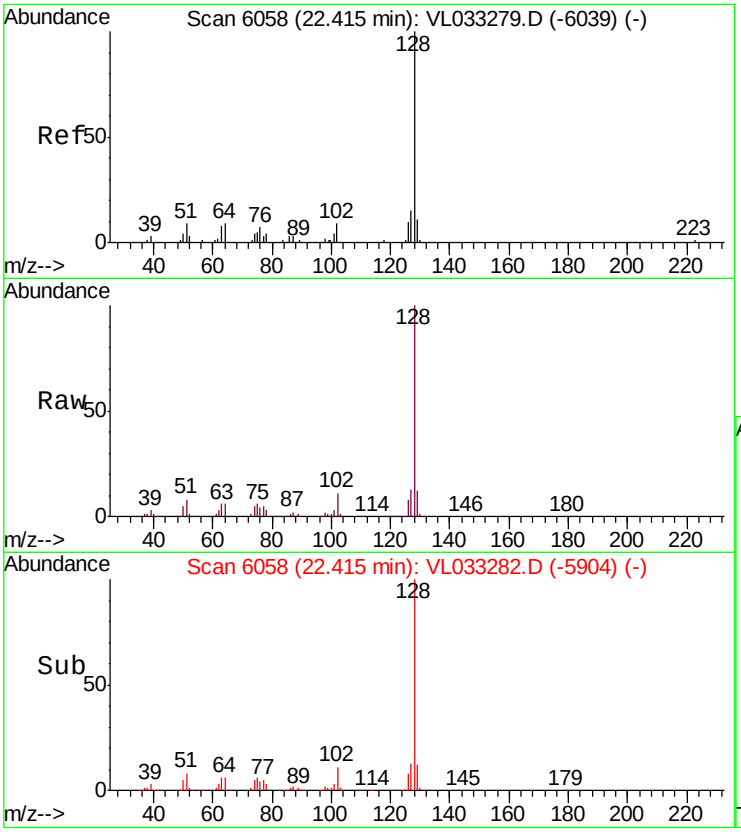


#78
Hexachloro-1,3-Butadiene
Concen: 5.648 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:225 Resp: 830336

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	64.3	51.1	76.7



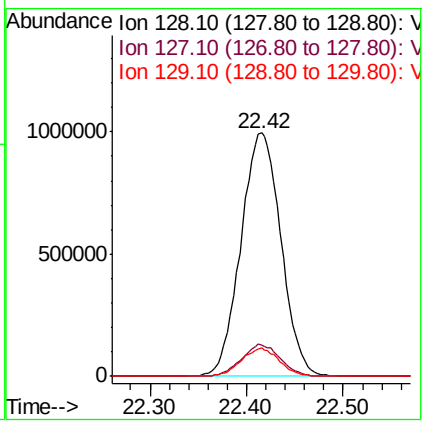


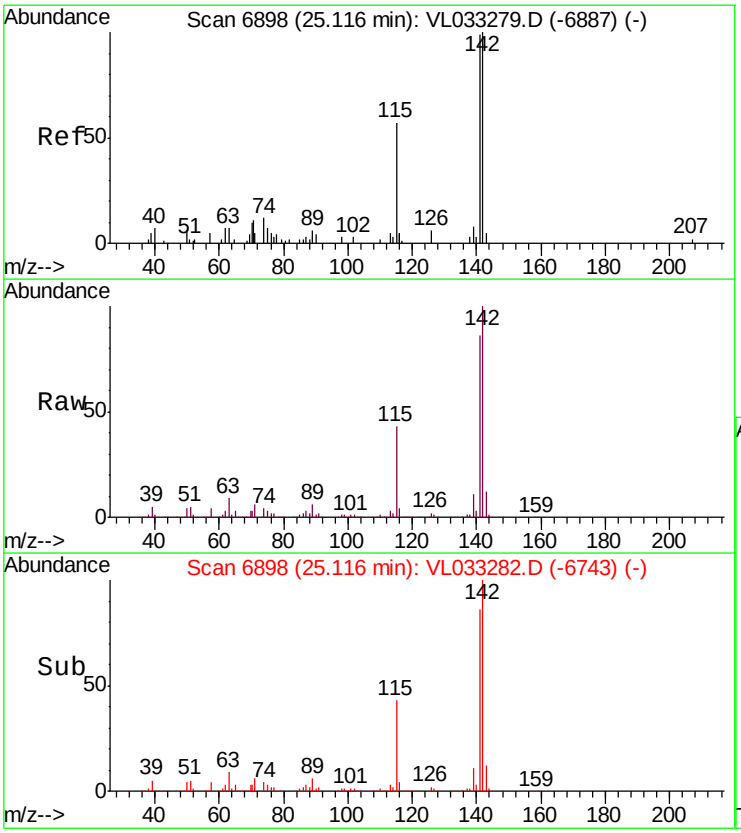
#79
Naphthalene
Concen: 8.950 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion:128 Resp: 2865579

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.8	8.4	12.6

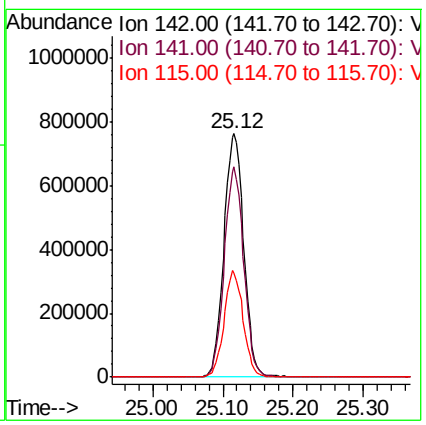


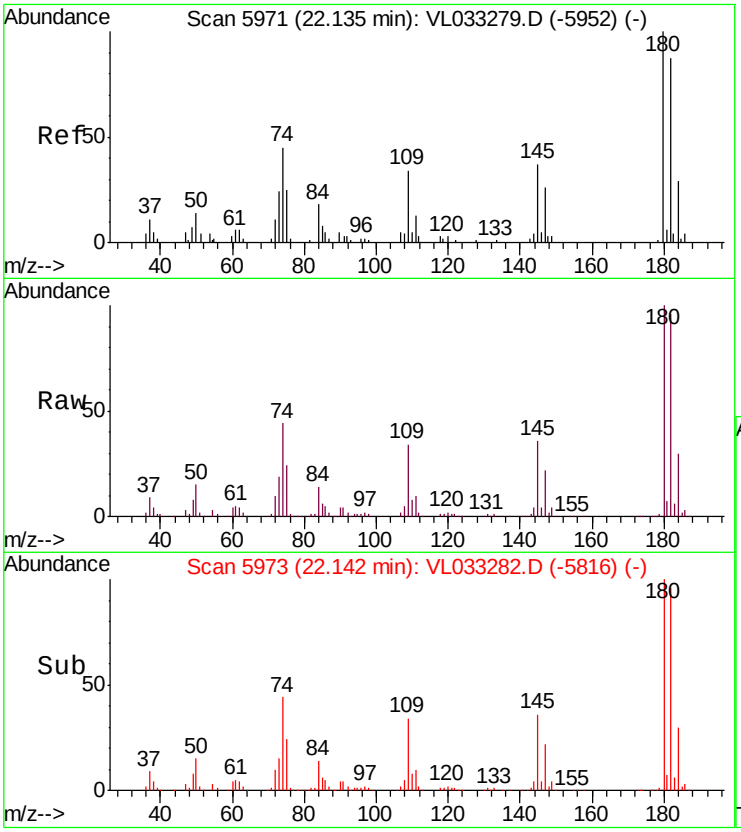


#80
Naphthalene,2-methyl-
Concen: 17.171 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Tgt Ion:142 Resp: 1506408

Ion	Ratio	Lower	Upper
142	100		
141	84.8	68.0	102.0
115	42.2	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 8.017 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. 0.00 min
Lab File: VL033282.D
Acq: 12 Mar 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS01

Tgt Ion:180 Resp: 1351362

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
184	30.6	24.2	36.4