Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010419\

Quantitation Report (Not Reviewed)

Data File : VL033061.D
Acq On : 4 Jan 2019 9:14
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jan 04 09:57:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 03 19:04:31 2019
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1627308	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3944834	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	5432475	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	3370965	8.32	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1282852	3.535	ppbv	99
3) Chlorodifluoromethane	3.01	51	1289247	6.509	ppbv	99
4) Chloromethane	3.17	50	728170	6.325	ppbv	96
5) Vinyl Chloride	3.29	62	748228	6.120	ppbv	99
6) Bromomethane	3.52	94	672333	9.034	ppbv	97
7) Chloroethane	3.60	64	382671	9.109	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1864414	6.450	ppbv	99
9) Propene	3.04	41	511777	6.658	ppbv	100
10) Heptane	8.25	43	1850981	9.414	ppbv	100
11) Trichlorofluoromethane	4.00	101	2704980	8.474	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1806156	8.372	ppbv	99
13) Ethanol	3.65	45	211941	7.078	ppbv	94
14) Bromoethene	3.79	108	845054	9.197	ppbv	99
15) Acetone	3.90	43	1758891	8.264	ppbv	100
16) 1,3-Butadiene	3.36	39	590964	6.373	ppbv	94
17) tert-Butyl alcohol	4.36	59	484110	10.183	ppbv	99
18) 1,1-Dichloroethene	4.35	96	854098	8.835	ppbv	97
19) Isopropyl Alcohol	4.02	45	1404274	9.876	ppbv	99
20) Methylene Chloride	4.41	84	722858	7.675	ppbv	99
21) Allyl Chloride	4.48	41	1322732	9.139	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	834248	8.836	ppbv	96
23) Vinyl Acetate	5.16	43	2681009	9.115	ppbv	99
24) 1,1-Dichloroethane	5.09	63	2066808	8.465	ppbv	99
25) Ethyl Acetate	5.77	43	3260772	8.556	ppbv	100
26) Hexane	5.78	57	1516825	8.398	ppbv	99
27) Carbon Disulfide	4.62	76	2107279	9.330	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	2574795	9.099	ppbv	100
29) Chloroform	5.85	83	2559787	8.546	ppbv	99
30) Cyclohexane	7.25	84	1262299	9.304	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1558772	9.316	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	2643555	8.365	ppbv	99
34) 2-Butanone	5.33	43	2066119	8.971	ppbv	100
35) Carbon Tetrachloride	7.14	117	2845398	8.355	ppbv	99
36) Benzene	7.01	78	3003622	9.254	ppbv	100
37) 1,2-Dichloroethane	6.42	62	1994147	9.030	ppbv	100
38) Trichloroethene	7.96	130	1291149	9.524	ppbv	95
39) 1,2-Dichloropropane	7.74	63	1121132	9.208	ppbv	97
40) 1,4-Dioxane	7.96	88	410022	8.872	ppbv #	1
41) Tetrahydrofuran	6.15	42	1150563	9.797	ppbv	98
42) Bromodichloromethane	7.92	83	2778257	8.745	ppbv	99
43) Methyl Methacrylate	8.14	69	1218642	10.070	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010419\

Quantitation Report (Not Reviewed)

Data File : VL033061.D
Acq On : 4 Jan 2019 9:14
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jan 04 09:57:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 03 19:04:31 2019
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	5072027	8.826	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1717726	10.271	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	1947470	10.711	ppbv		100
47) 1,1,2-Trichloroethane	9.62	97	1281045	8.716	ppbv		97
48) Dibromochloromethane	10.45	129	2406301	9.871	ppbv		99
49) Bromoform	13.21	173	2345896	10.441	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	2907617	9.390	ppbv		100
51) 2-Hexanone	10.27	43	2216554	10.595	ppbv		100
52) Tetrachloroethene	11.38	164	1115322	9.493	ppbv		99
53) Toluene	9.95	91	3538591	10.591	ppbv		99
54) 1,2-Dibromoethane	10.76	107	2023912	9.478	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.28	131	1942270	7.064	ppbv		100
57) Chlorobenzene	12.31	112	3188428	7.239	ppbv		99
58) Ethyl Benzene	12.87	91	5539074	8.289	ppbv		98
59) m/p-Xylene	13.13	91	4498222	7.248	ppbv	#	100
60) o-Xylene	13.85	91	4584928	7.557	ppbv		100
61) Styrene	13.69	104	3434871	8.779	ppbv		100
62) Isopropylbenzene	14.83	105	6409242	7.396	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	3104891	6.538	ppbv		100
64) n-propylbenzene	15.73	120	1643024	7.689	ppbv		99
65) tert-Butylbenzene	16.92	119	5741020	7.443	ppbv		100
66) Benzyl Chloride	17.16	91	3493216	8.057	ppbv		100
67) sec-Butylbenzene	17.46	105	7938040	7.299	ppbv		100
69) p-Isopropyltoluene	17.82	119	6611663	7.515	ppbv		100
70) n-Butylbenzene	18.72	91	6621935	7.375	ppbv		99
71) 2-Chlorotoluene	15.62	91	4786403	7.798	ppbv		100
72) 4-Ethyltoluene	16.01	105	5296756	7.836	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	5010980	7.594	ppbv		100
74) 1,2,4-Trimethylbenzene	16.93	105	5169124	7.132	ppbv		98
75) 1,3-Dichlorobenzene	17.17	146	2888339	6.805	ppbv		99
76) 1,4-Dichlorobenzene	17.32	146	2850115	7.382	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	2735059	7.040	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	1535165	5.622	ppbv		100
79) Naphthalene	22.42	128	4917133	7.468	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	1921659	10.524	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1319135	4.399	ppbv	#	36

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

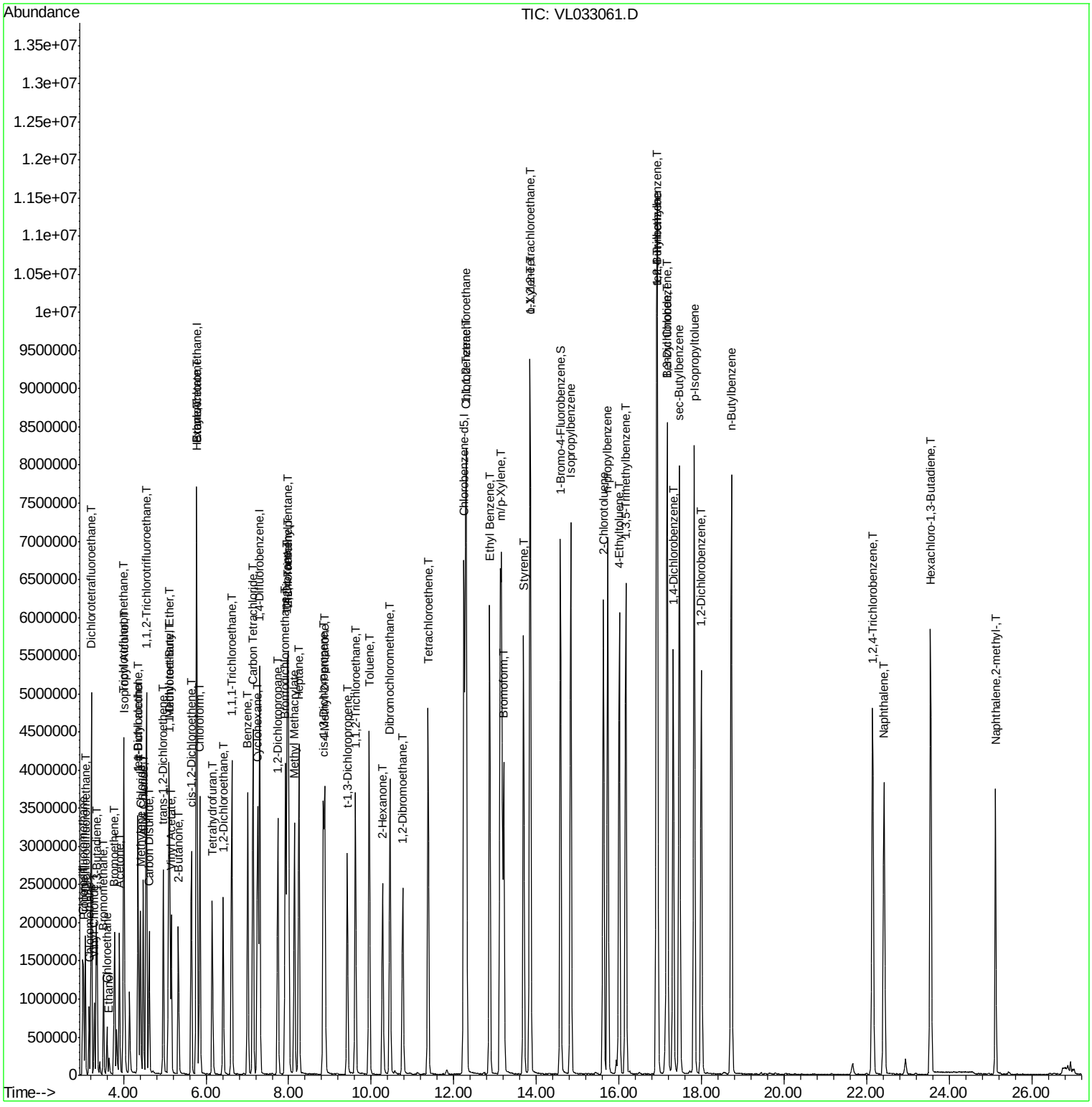
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010419\

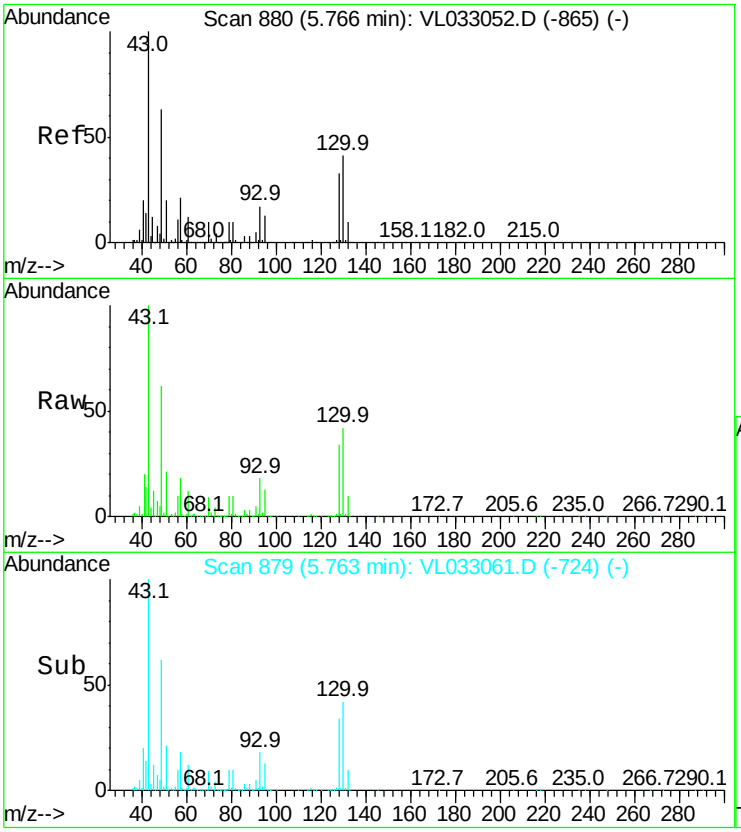
Quantitation Report (Not Reviewed)

Data File : VL033061.D
Acq On : 4 Jan 2019 9:14
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jan 04 09:57:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 03 19:04:31 2019
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration



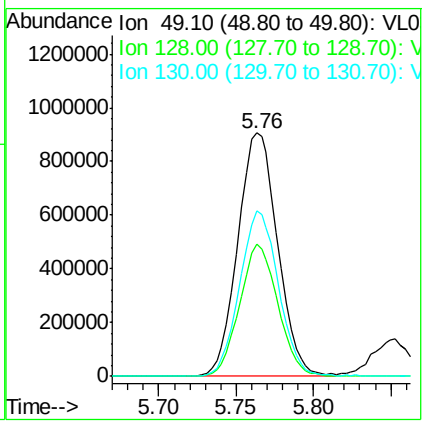


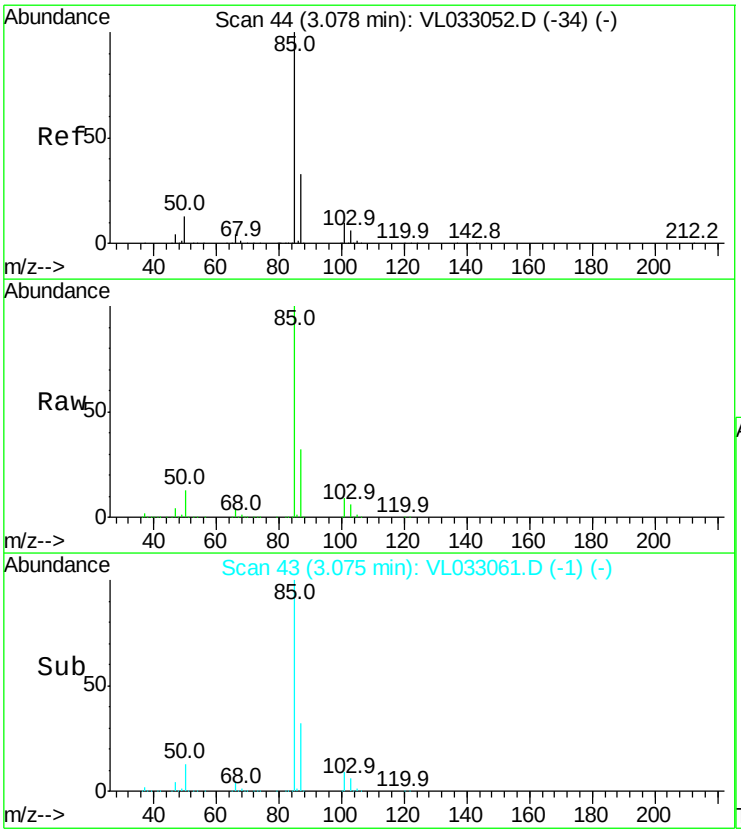
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 1627308

Ion	Ratio	Lower	Upper
49	100		
128	52.3	26.2	78.5
130	66.4	33.6	100.6

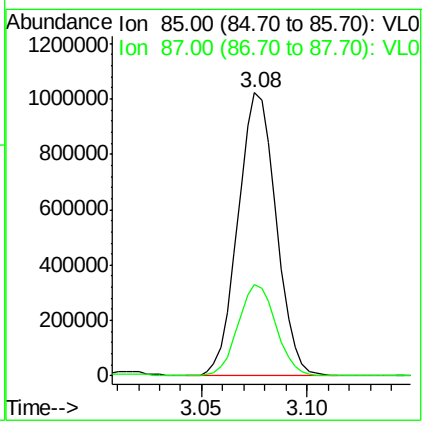


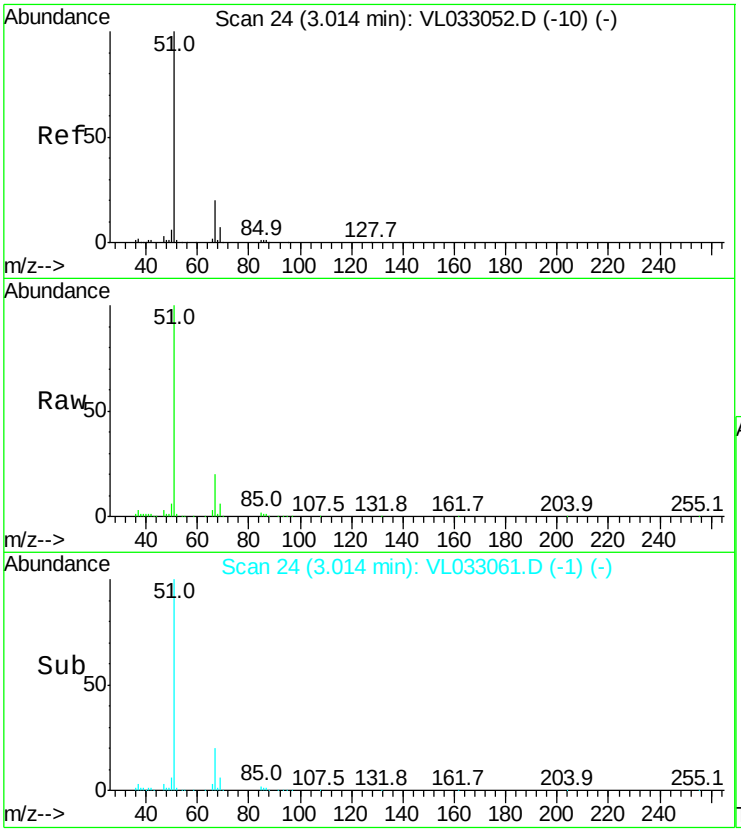


#2
Dichlorodifluoromethane
Concen: 3.535 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 85 Resp: 1282852

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.3	39.5



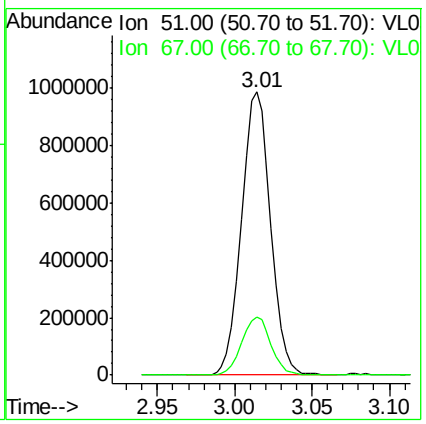


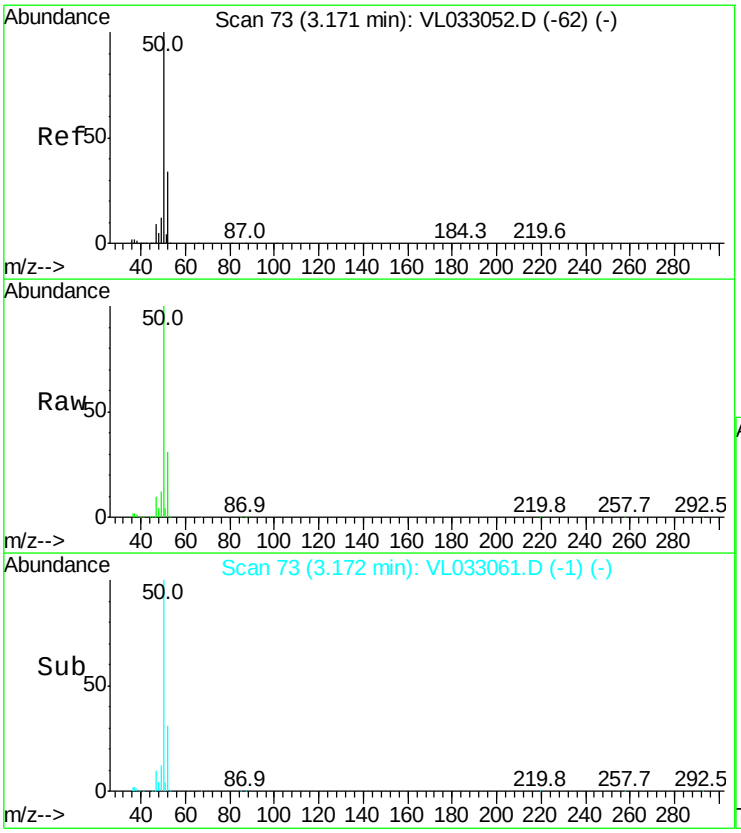
#3
Chlorodifluoromethane
Concen: 6.509 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 1289247

Ion	Ratio	Lower	Upper
51	100		
67	20.7	16.3	24.5

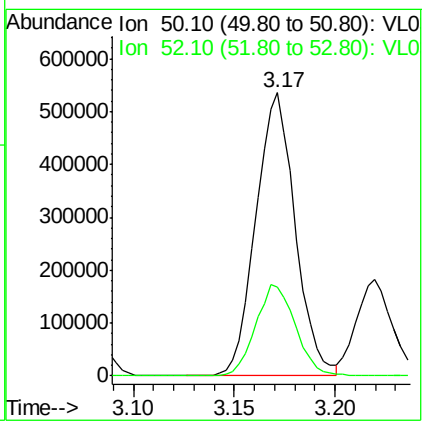


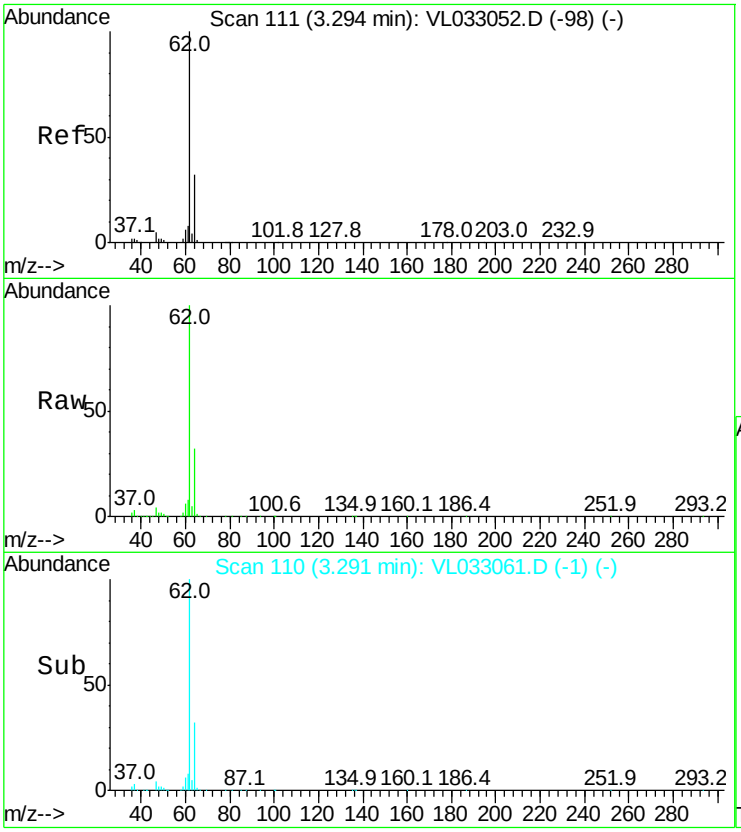


#4
Chloromethane
Concen: 6.325 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 50 Resp: 728170

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.9	40.3



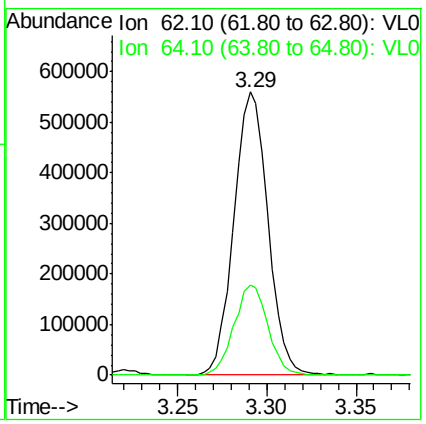


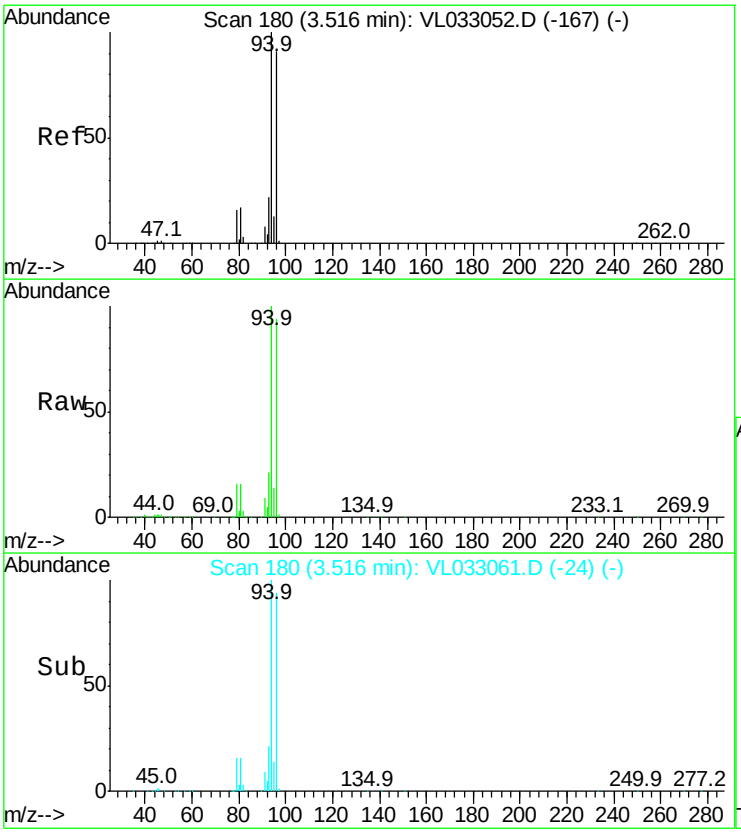
#5
Vinyl Chloride
Concen: 6.120 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 748228

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.3	37.9

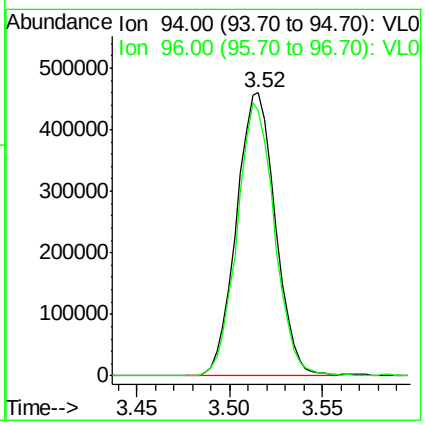


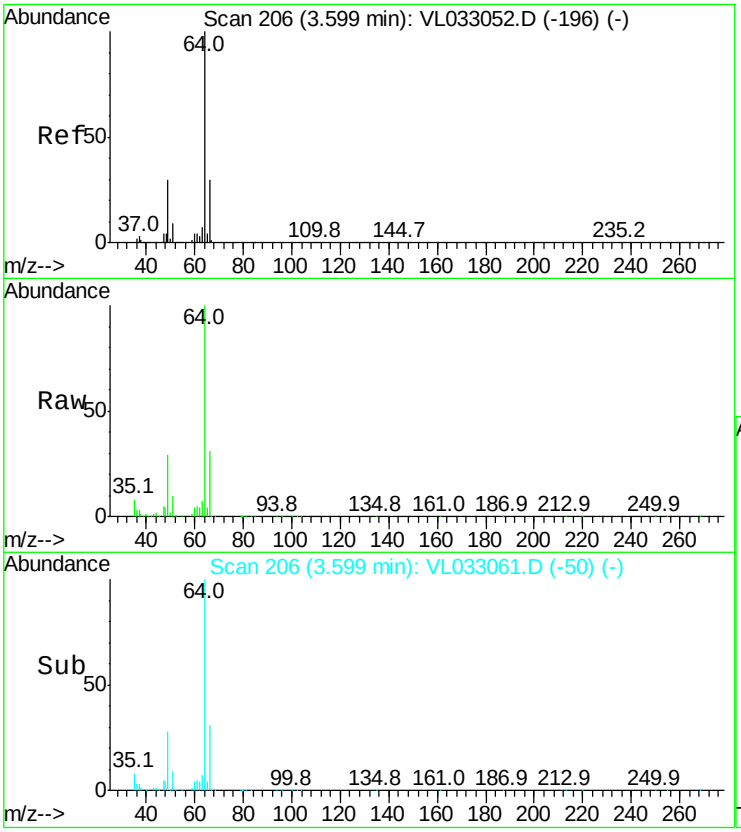


#6
Bromomethane
Concen: 9.034 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 94 Resp: 672333

Ion	Ratio	Lower	Upper
94	100		
96	93.9	72.8	109.2



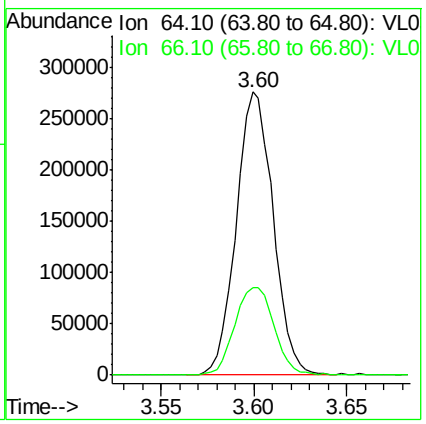


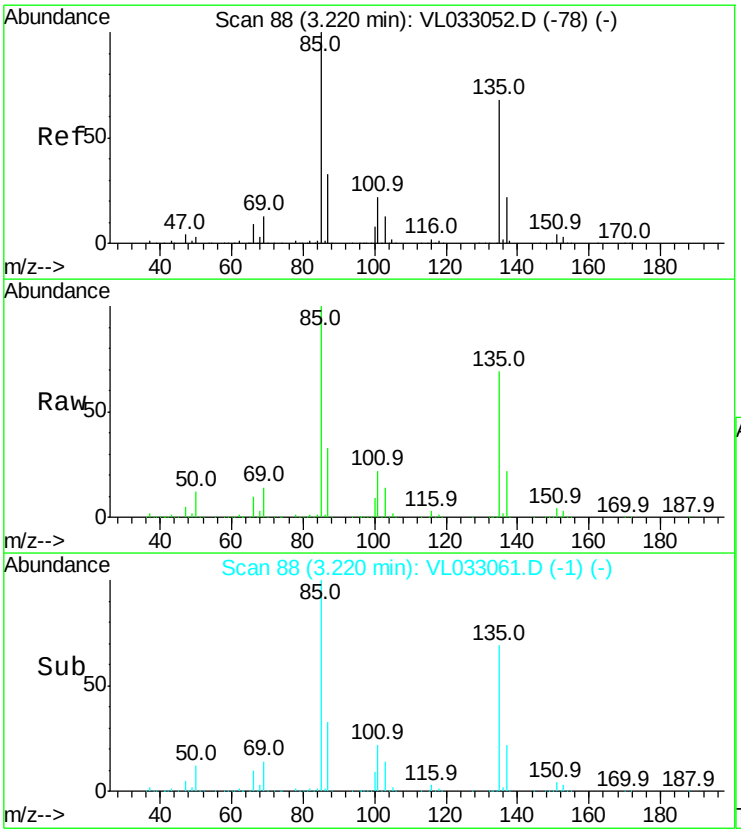
#7
Chloroethane
Concen: 9.109 ppbv
RT: 3.60 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 382671

Ion	Ratio	Lower	Upper
64	100		
66	31.2	23.7	35.5

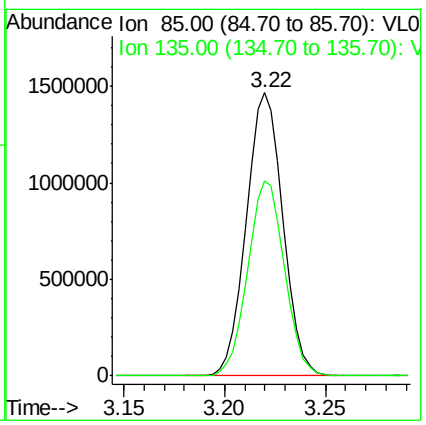


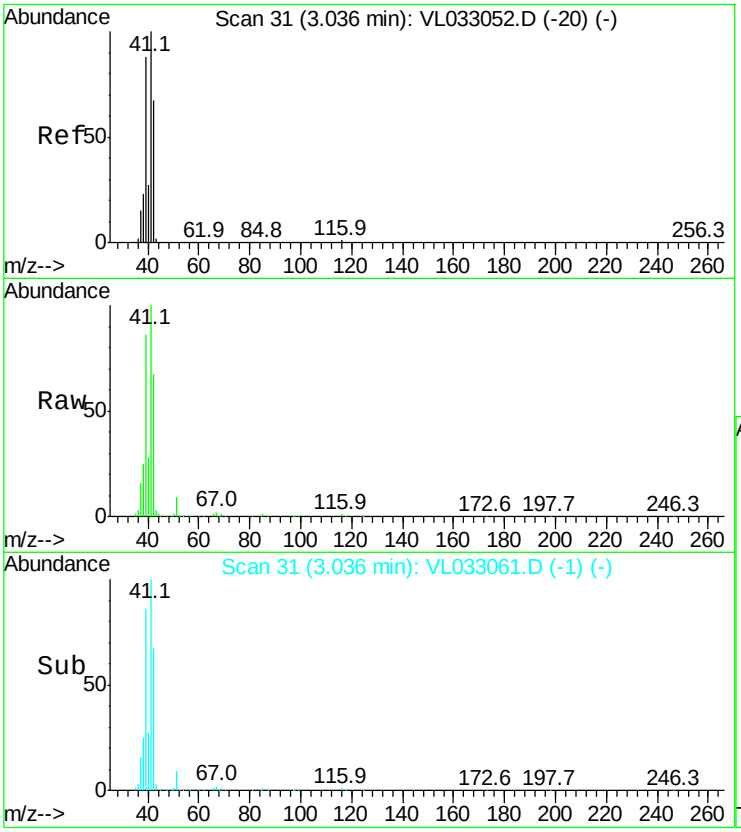


#8
Dichlorotetrafluoroethane
Concen: 6.450 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 85 Resp: 1864414

Ion	Ratio	Lower	Upper
85	100		
135	69.4	54.9	82.3



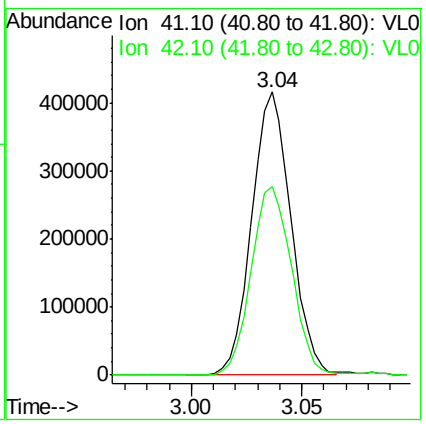


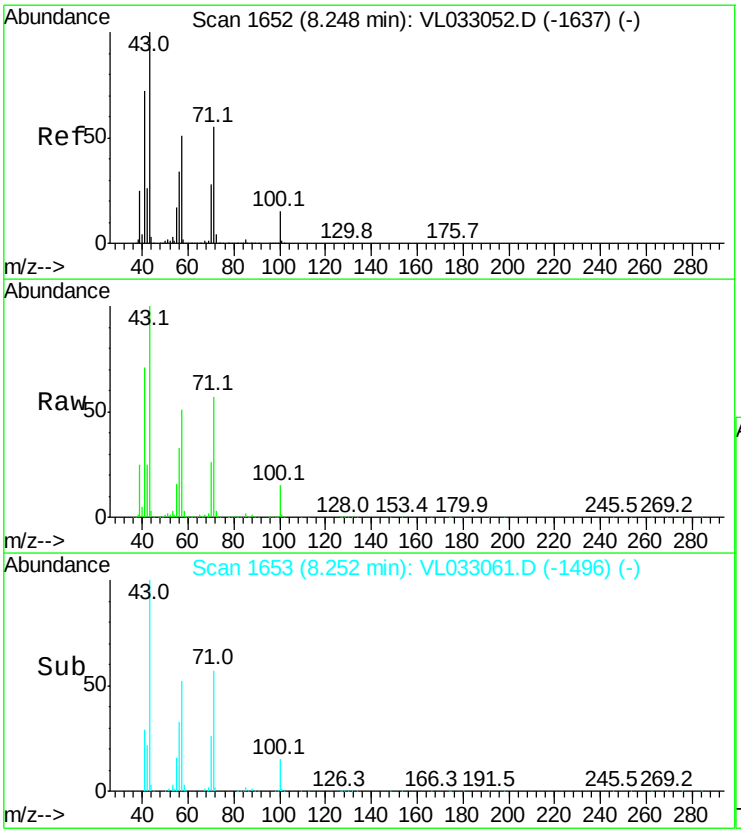
#9
Propene
Concen: 6.658 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 511777

Ion	Ratio	Lower	Upper
41	100		
42	69.4	55.3	82.9

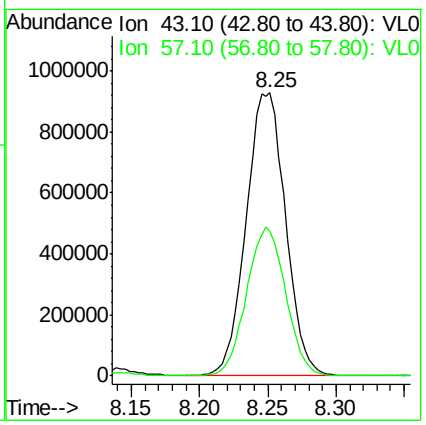


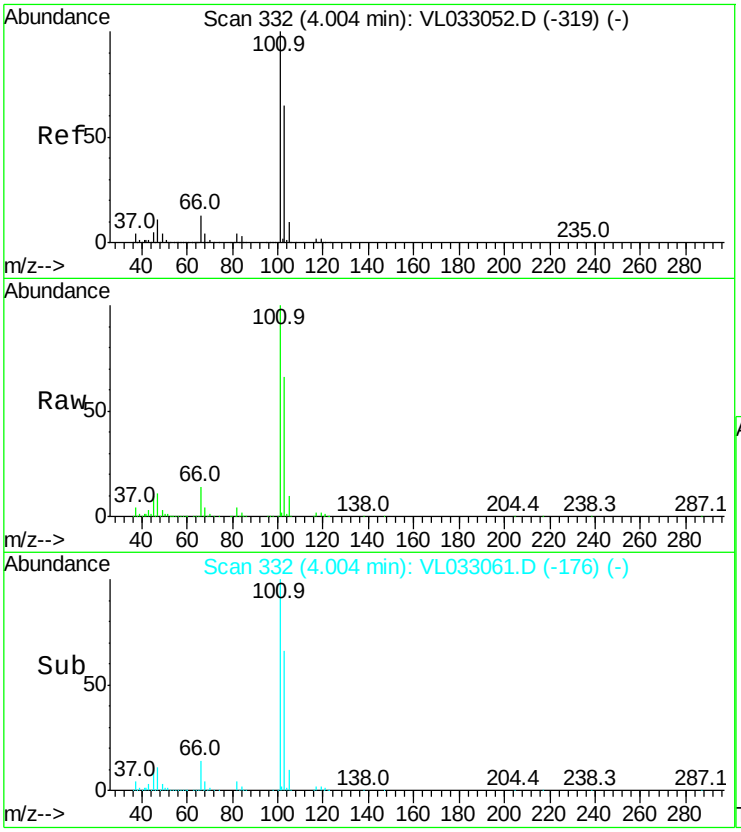


#10
Heptane
Concen: 9.414 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 43 Resp: 1850981

Ion	Ratio	Lower	Upper
43	100		
57	52.5	41.9	62.9



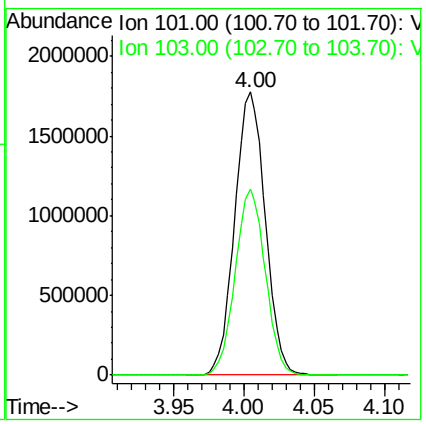


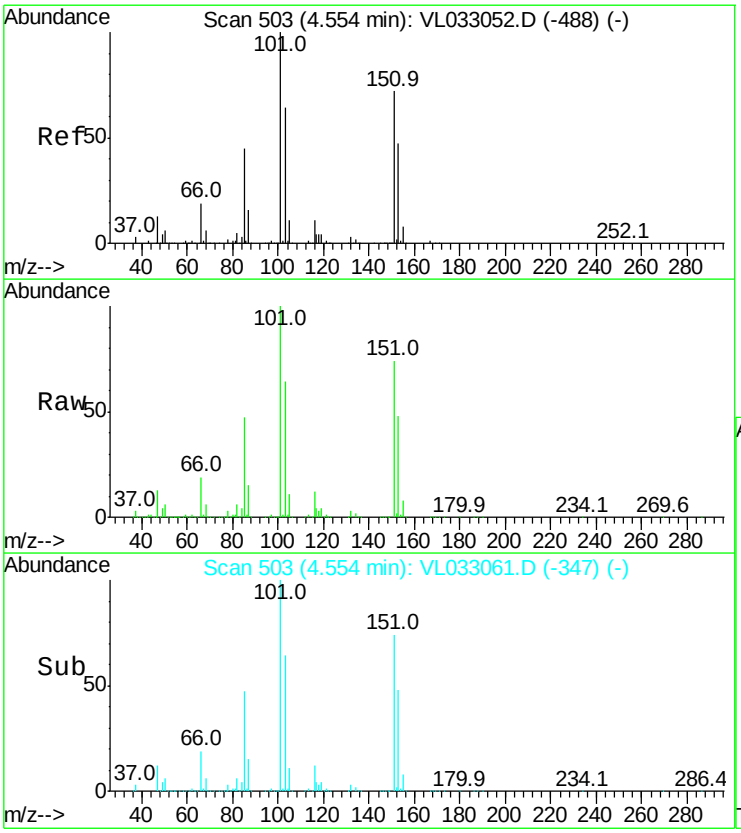
#11
Trichlorofluoromethane
Concen: 8.474 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 2704980

Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.7	77.5

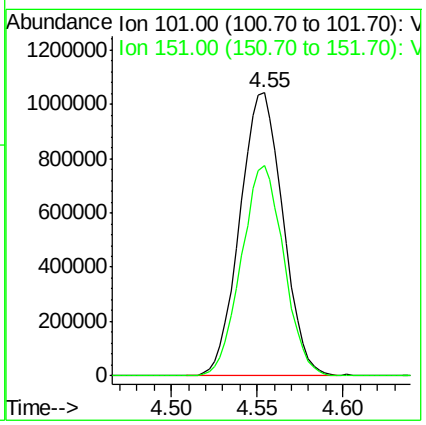


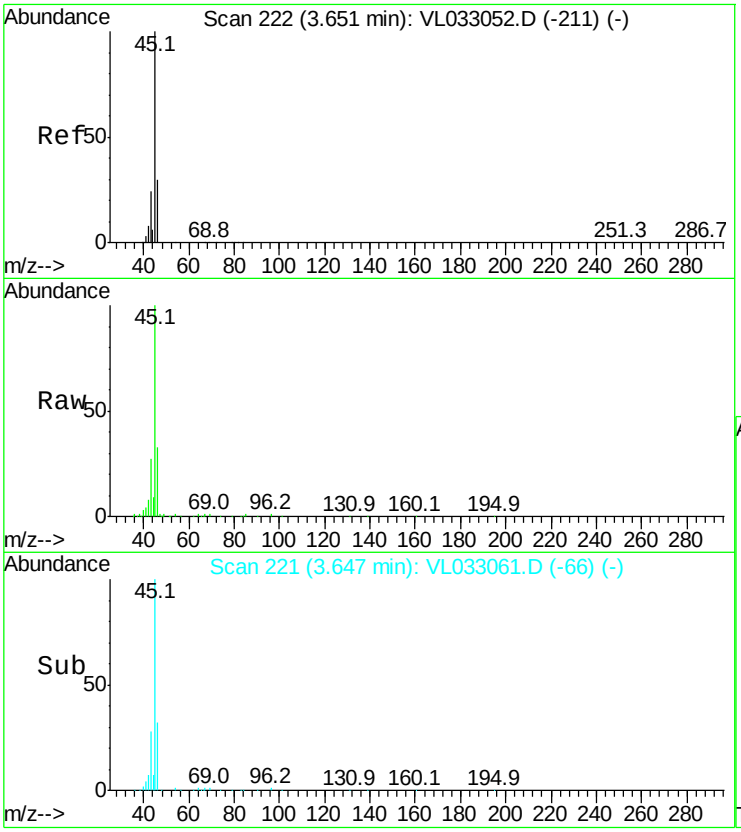


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.372 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:101 Resp: 1806156

Ion	Ratio	Lower	Upper
101	100		
151	73.6	58.3	87.5



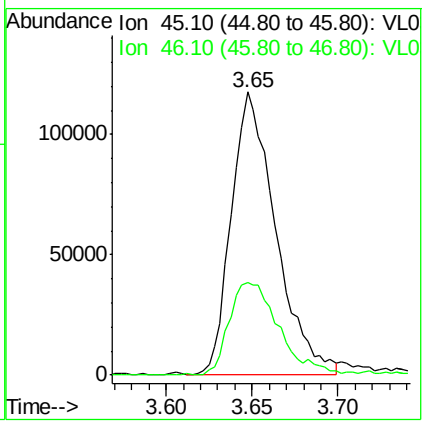


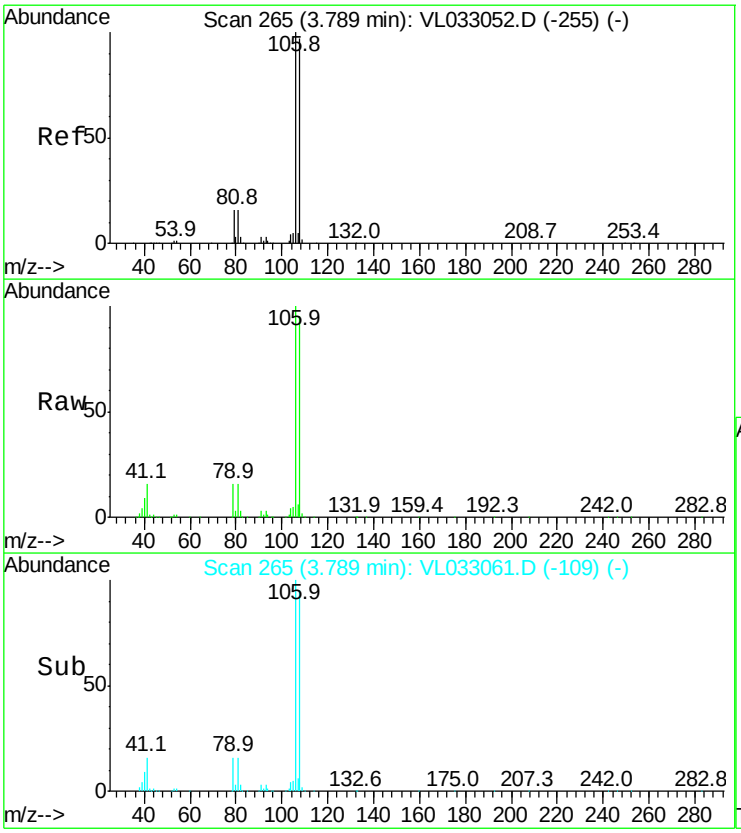
#13
Ethanol
Concen: 7.078 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 211941

Ion	Ratio	Lower	Upper
45	100		
46	37.9	13.8	55.2

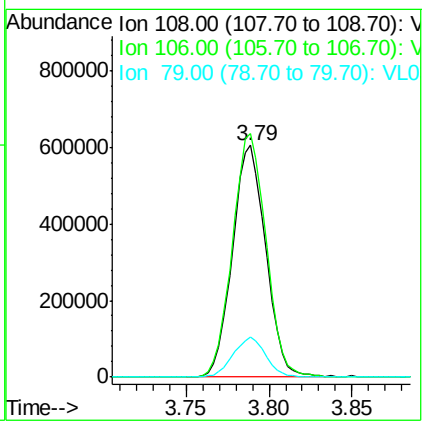


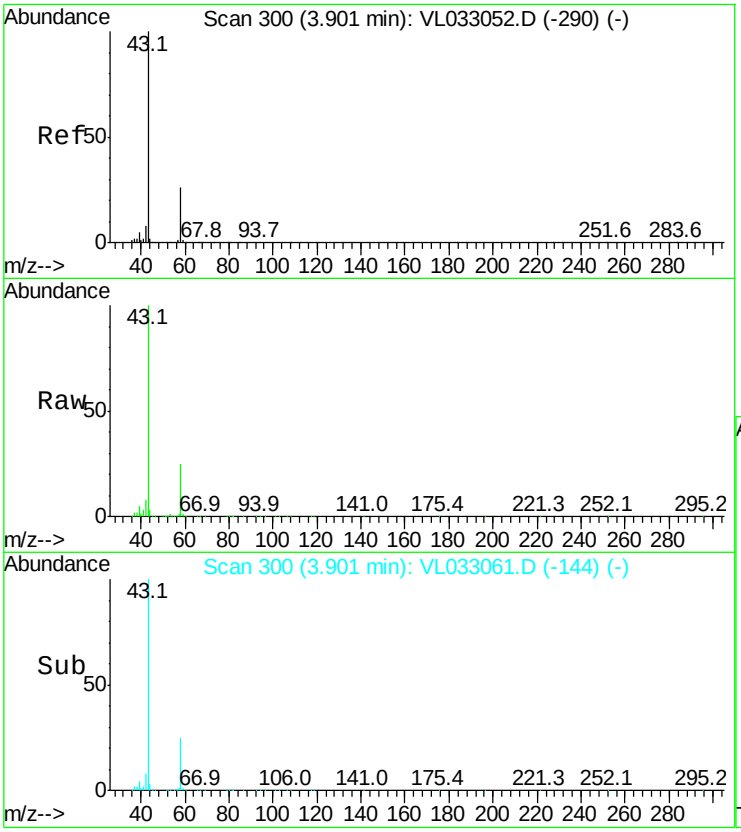


#14
Bromoethene
Concen: 9.197 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:108 Resp: 845054

Ion	Ratio	Lower	Upper
108	100		
106	106.4	86.4	129.6
79	17.5	14.3	21.5



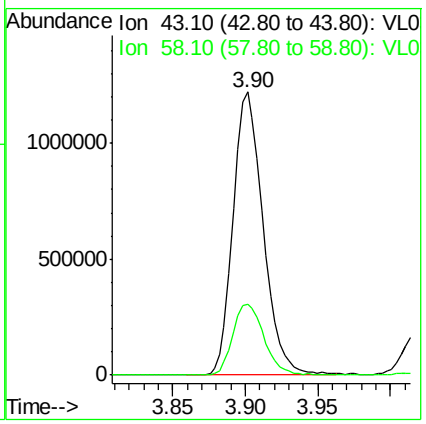


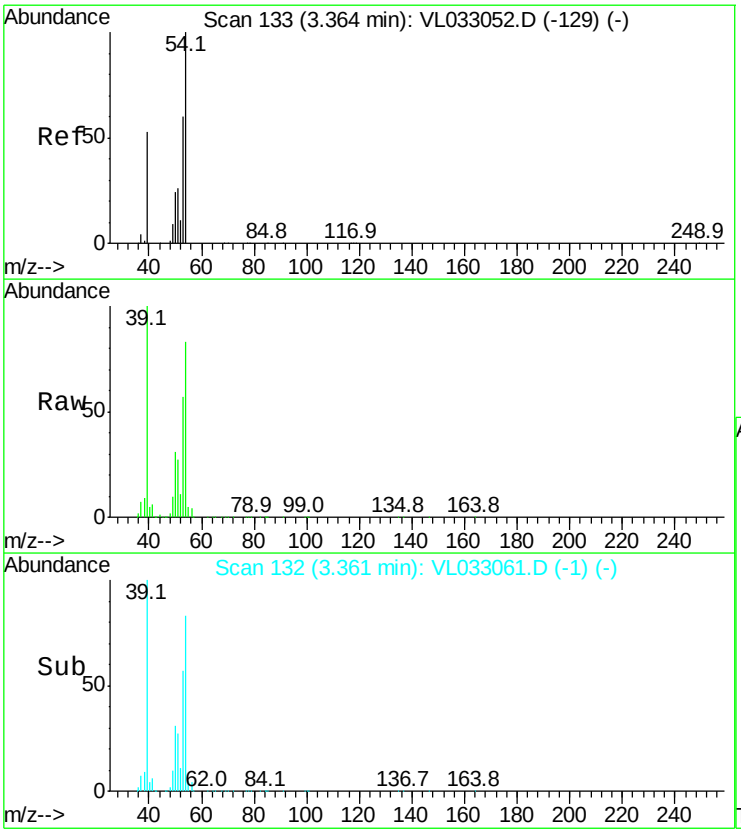
#15
Acetone
Concen: 8.264 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 1758891

Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.1	31.7

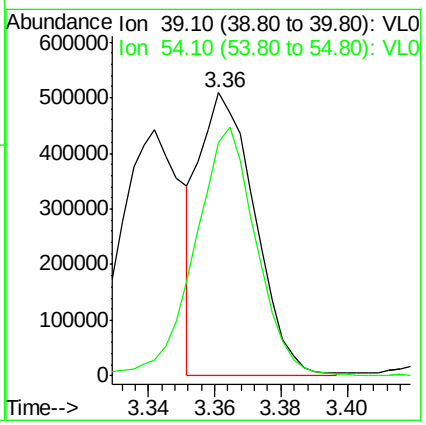


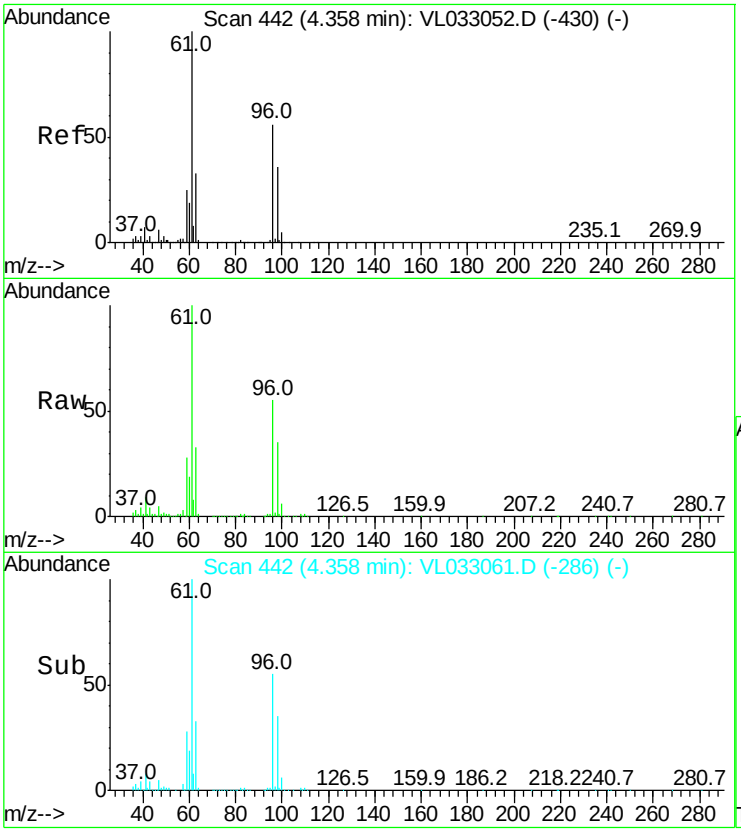


#16
1,3-Butadiene
Concen: 6.373 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 39 Resp: 590964

Ion	Ratio	Lower	Upper
39	100		
54	97.9	73.7	110.5



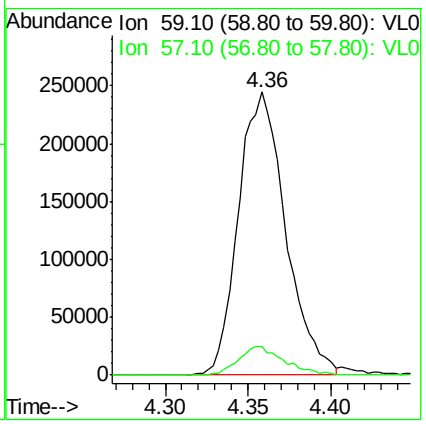


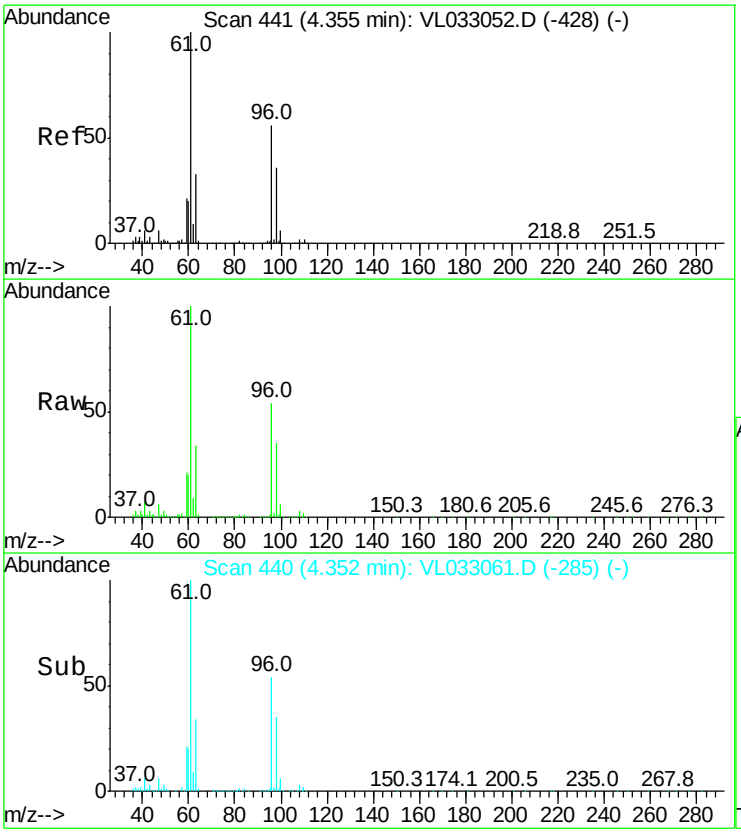
#17
tert-Butyl alcohol
Concen: 10.183 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 484110

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.7	11.5

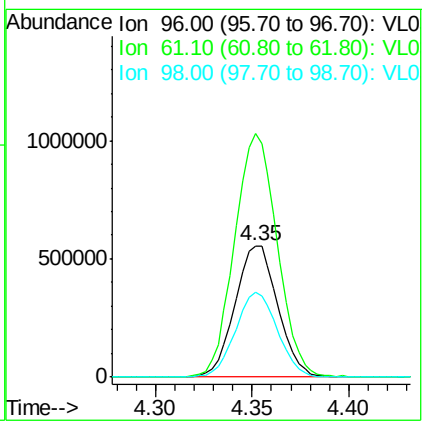


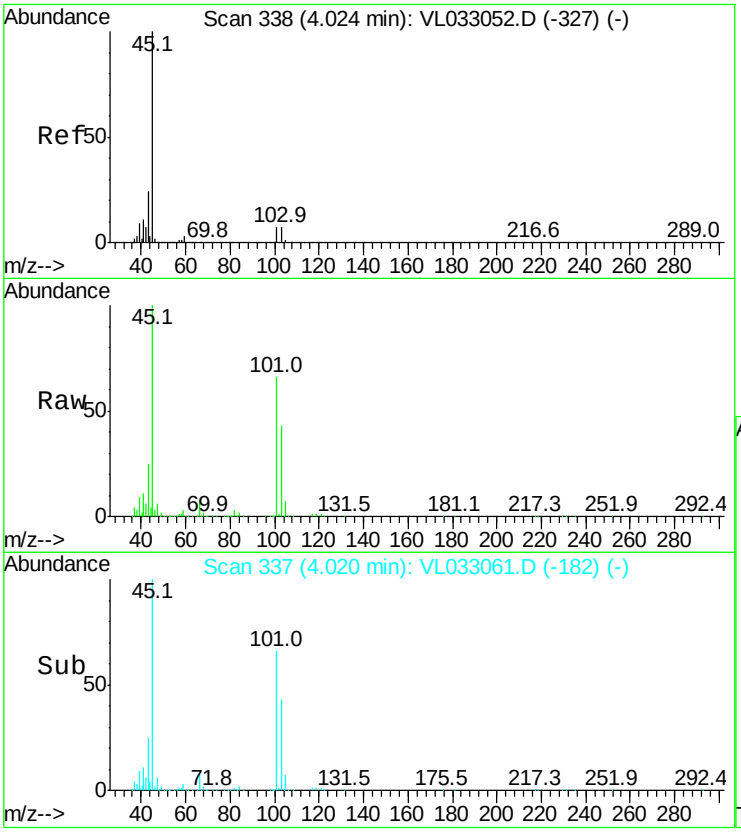


#18
1,1-Dichloroethene
Concen: 8.835 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 96 Resp: 854098

Ion	Ratio	Lower	Upper
96	100		
61	184.8	143.7	215.5
98	64.5	52.1	78.1



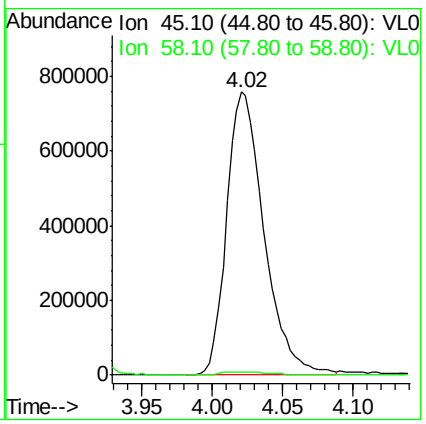


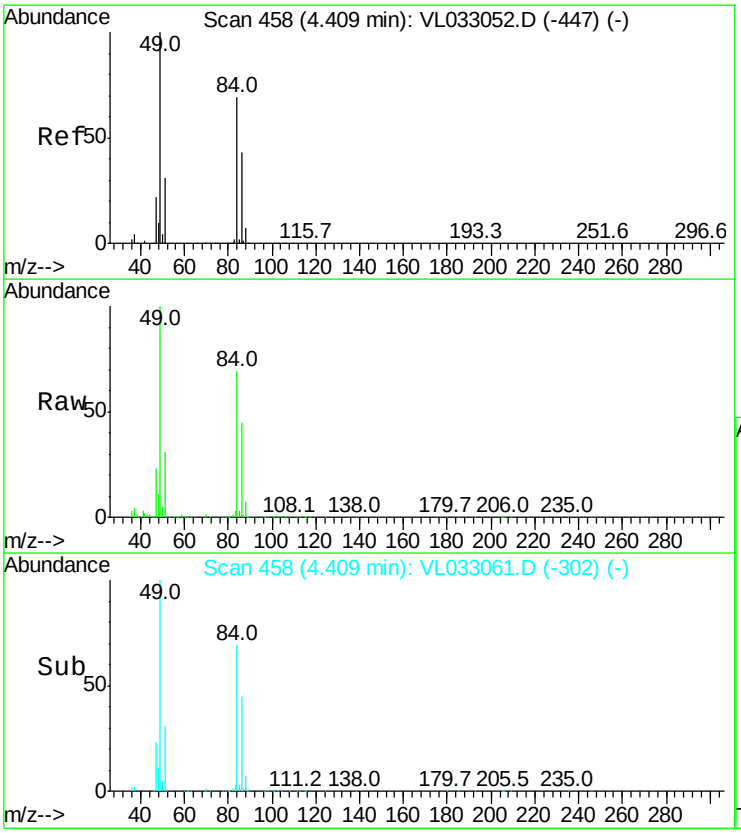
#19
Isopropyl Alcohol
Concen: 9.876 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 1404274

Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.4	2.2

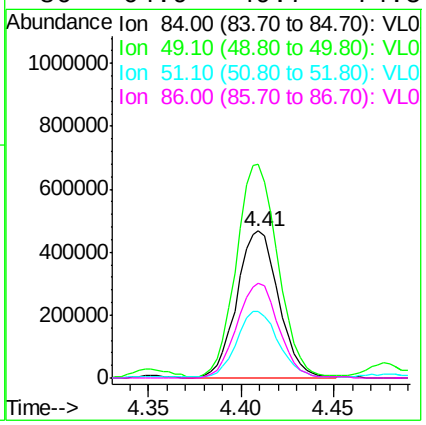


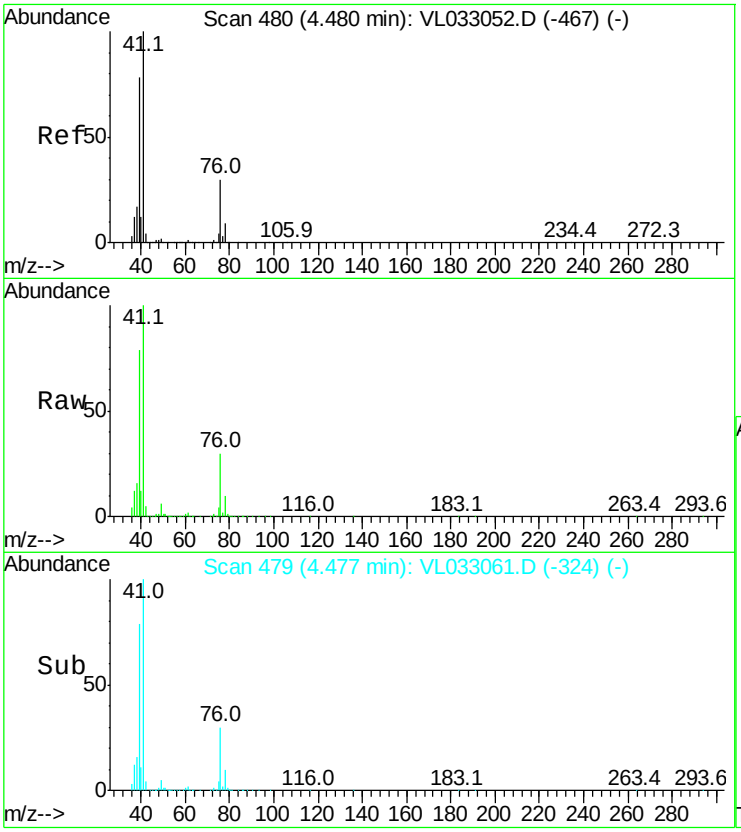


#20
Methylene Chloride
Concen: 7.675 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 84 Resp: 722858

Ion	Ratio	Lower	Upper
84	100		
49	144.8	115.8	173.6
51	44.6	35.7	53.5
86	64.9	49.7	74.5



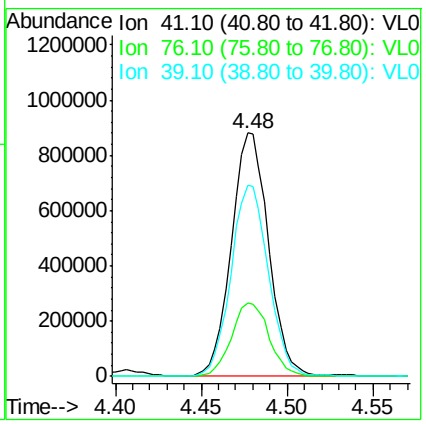


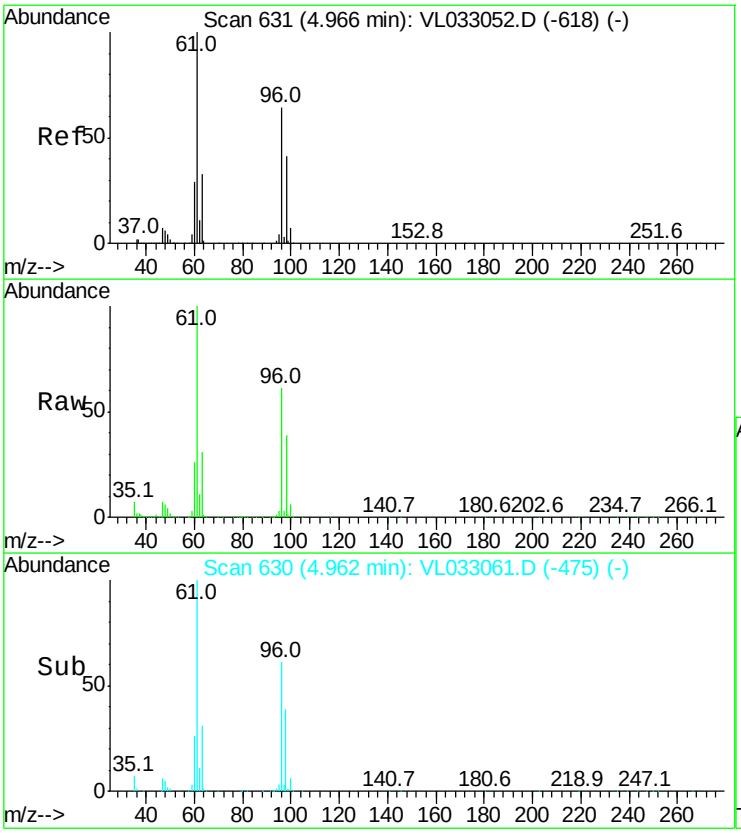
#21
Allyl Chloride
Concen: 9.139 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 41 Resp: 1322732

Ion	Ratio	Lower	Upper
41	100		
76	30.7	24.6	36.8
39	79.6	62.8	94.2

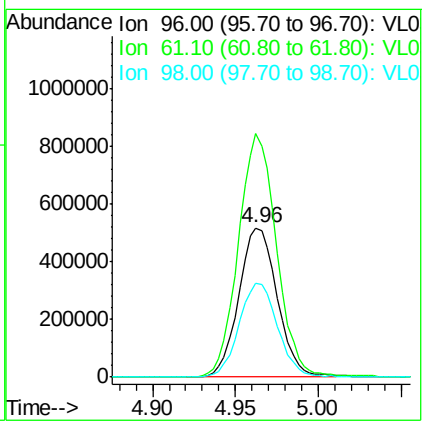


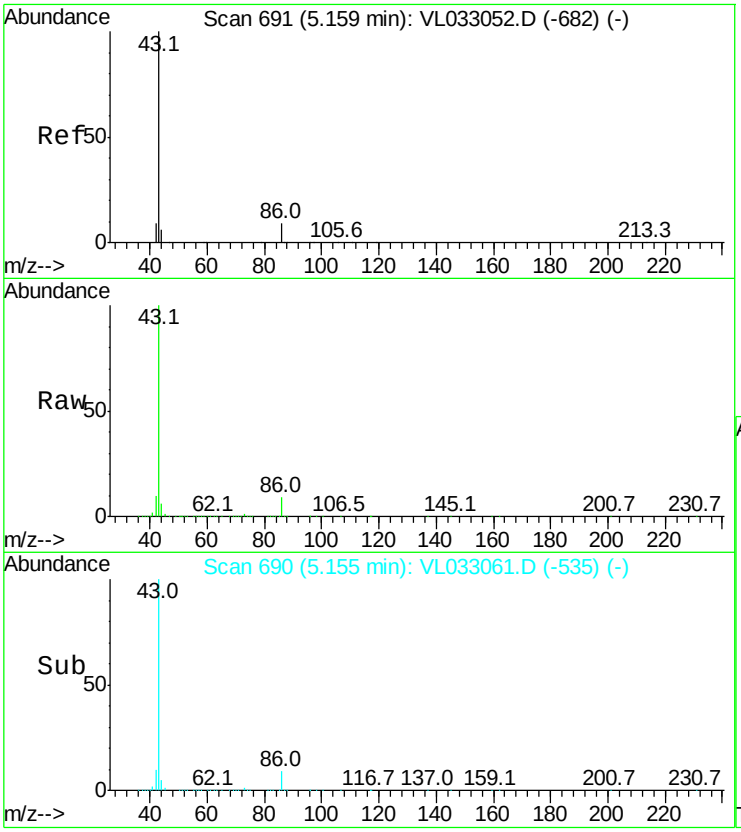


#22
trans-1,2-Dichloroethene
Concen: 8.836 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 96 Resp: 834248

Ion	Ratio	Lower	Upper
96	100		
61	163.0	125.2	187.8
98	62.9	50.9	76.3



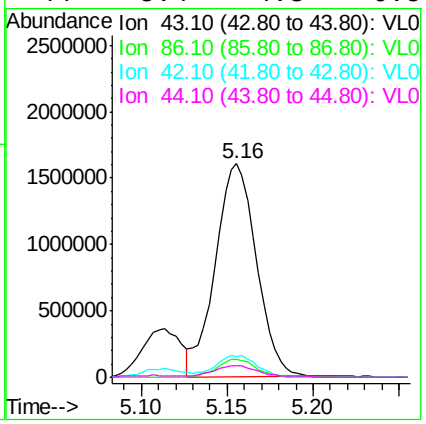


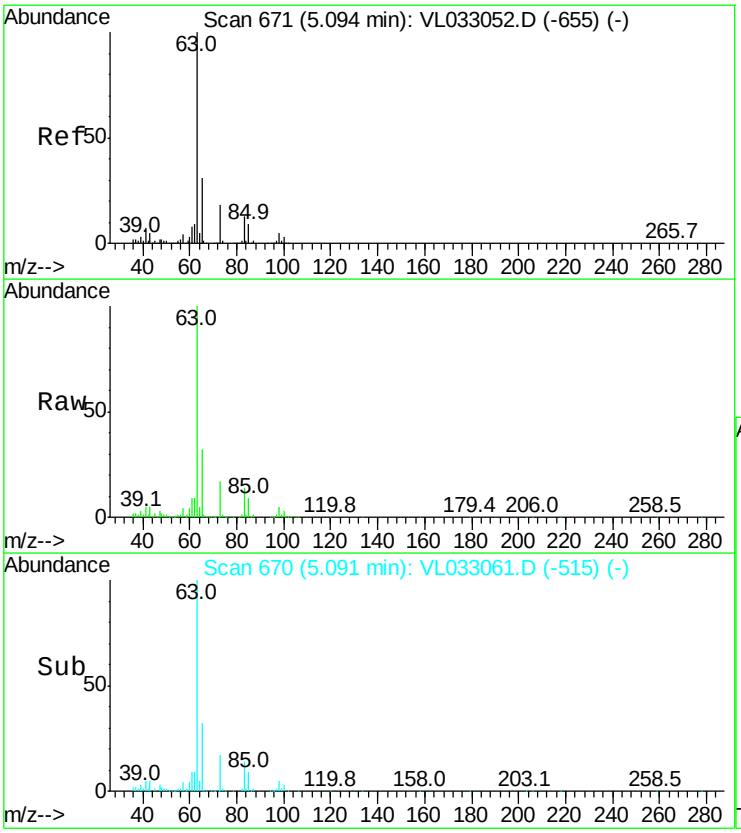
#23
Vinyl Acetate
Concen: 9.115 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2681009

Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.2	9.4
42	9.6	8.1	12.1
44	5.4	4.3	6.5

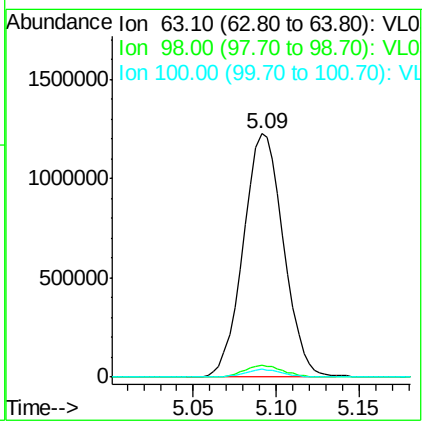


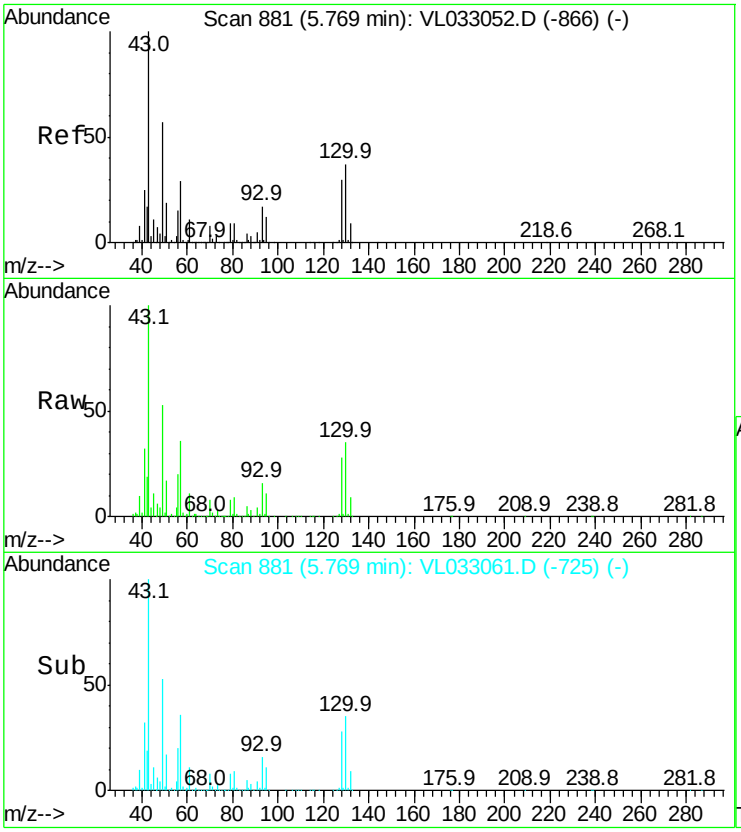


#24
1,1-Dichloroethane
Concen: 8.465 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 63 Resp: 2066808

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.2
100	3.3	1.4	4.0



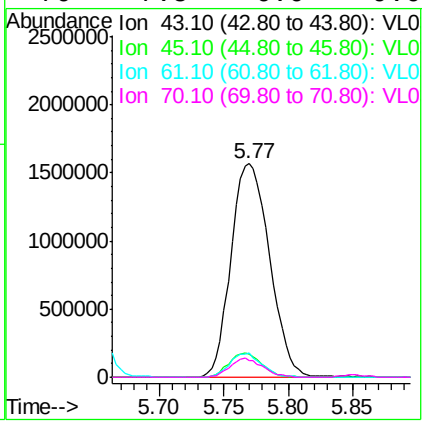


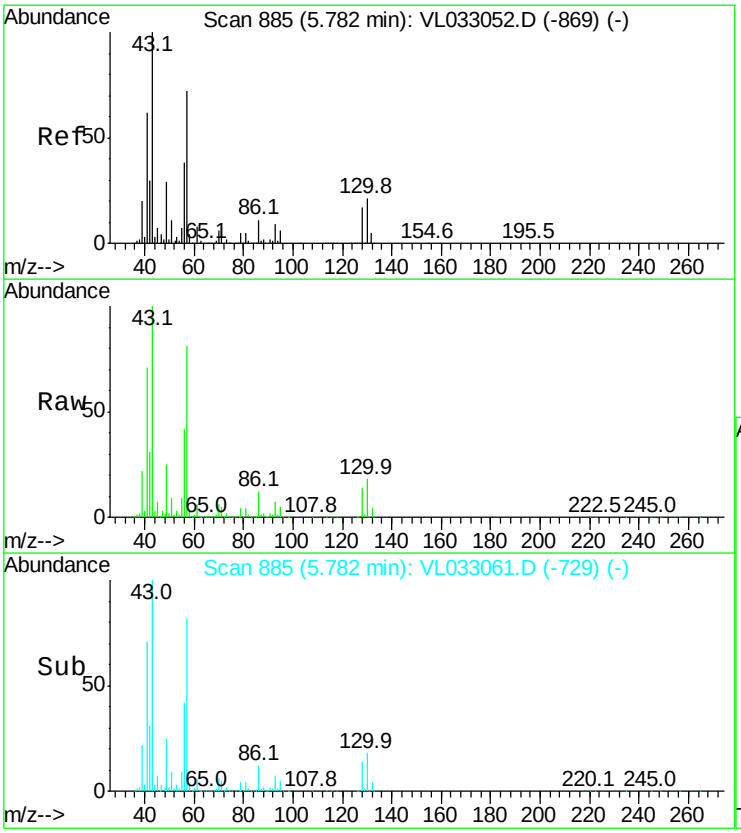
#25
Ethyl Acetate
Concen: 8.556 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 3260772

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.5	7.8	11.8
70	7.5	6.0	9.0

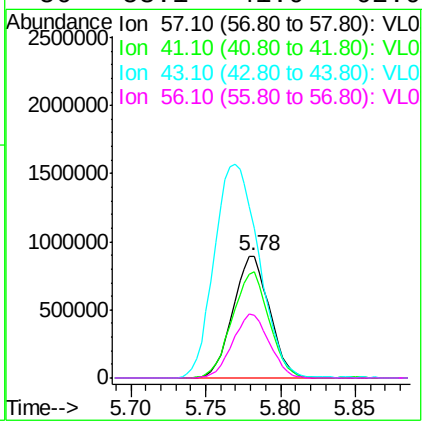


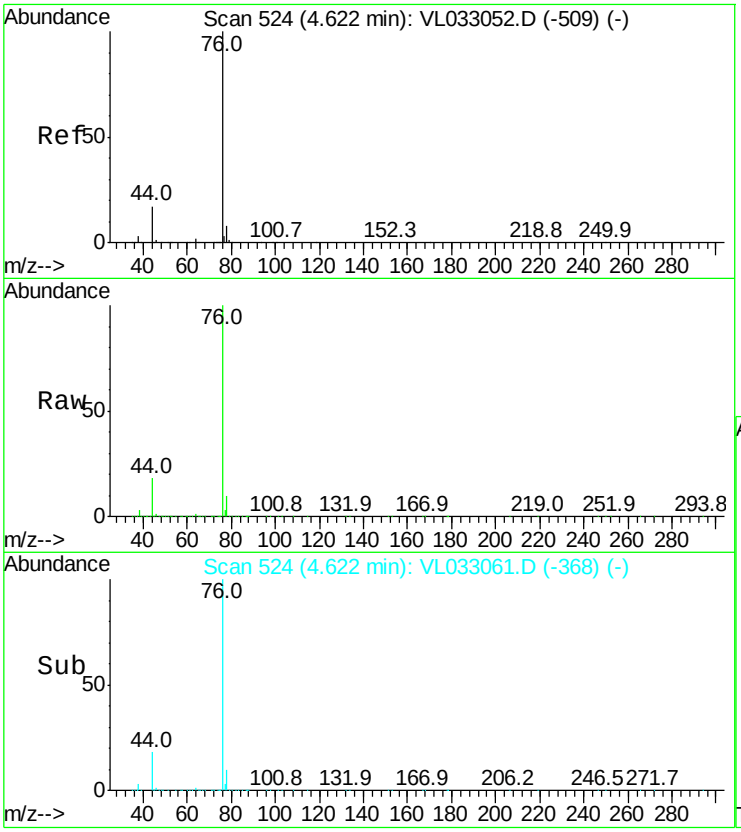


#26
Hexane
Concen: 8.398 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 57 Resp: 1516825

Ion	Ratio	Lower	Upper
57	100		
41	88.4	70.8	106.2
43	215.7	171.8	257.6
56	53.1	41.9	62.9



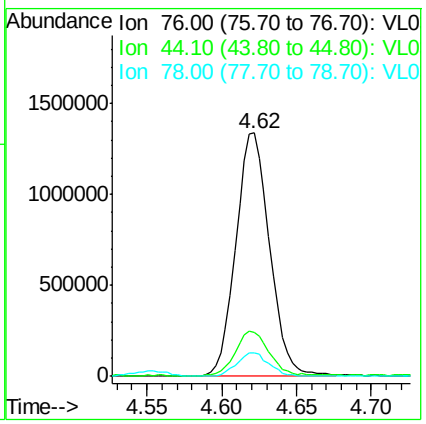


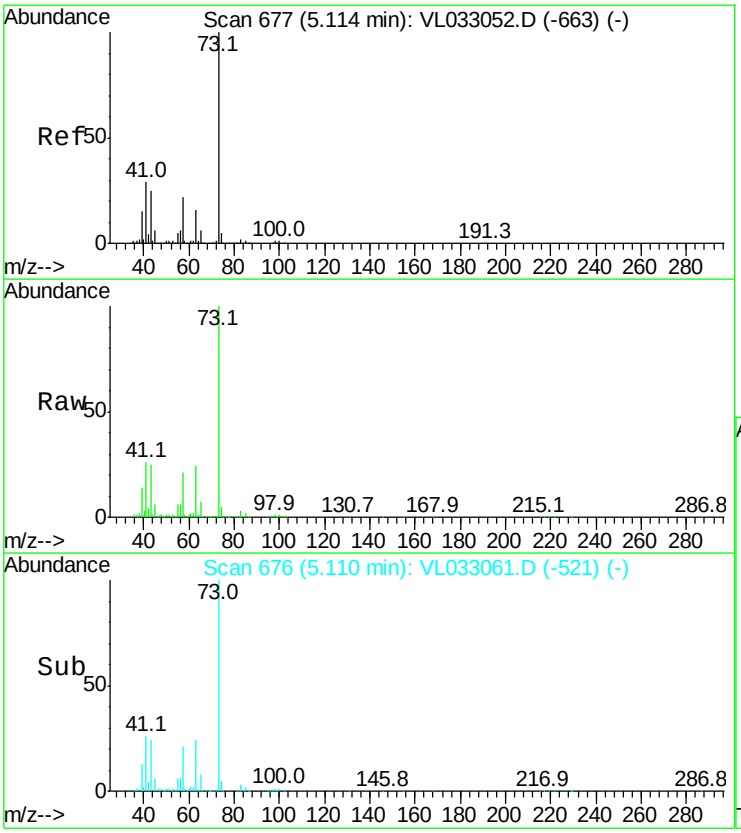
#27
Carbon Disulfide
Concen: 9.330 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 76 Resp: 2107279

Ion	Ratio	Lower	Upper
76	100		
44	18.7	13.9	20.9
78	9.6	7.3	10.9

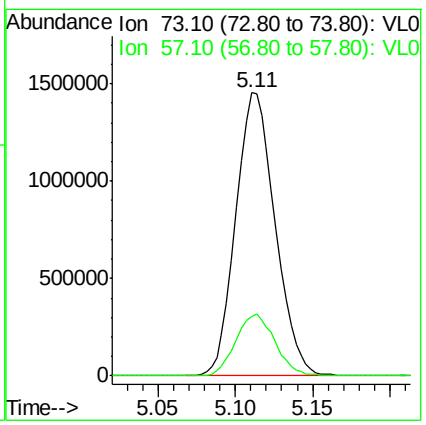


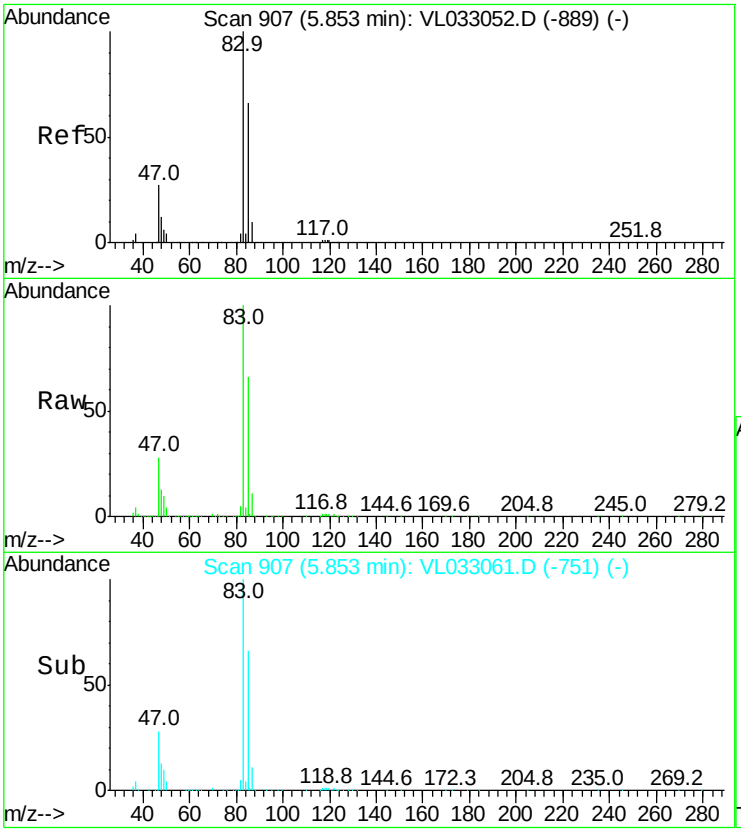


#28
Methyl tert-Butyl Ether
Concen: 9.099 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 73 Resp: 2574795

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.5	26.3



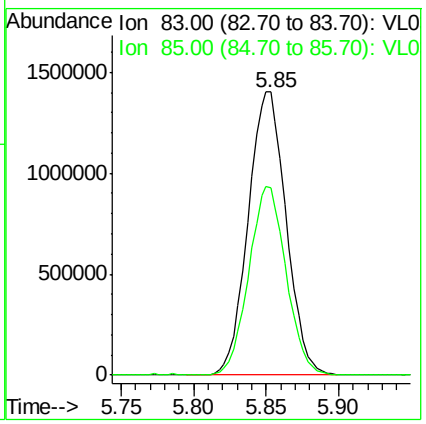


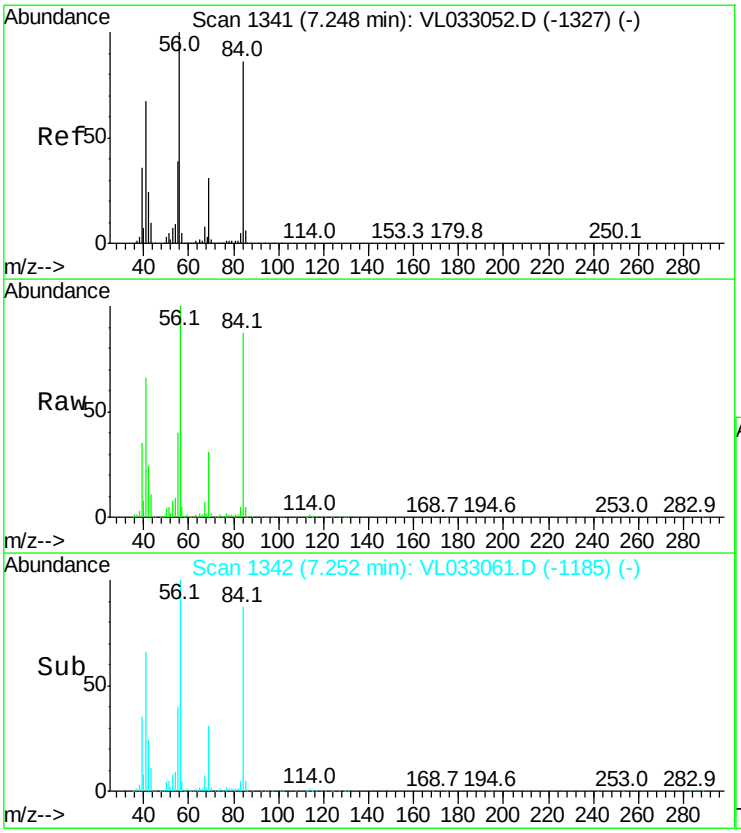
#29
Chloroform
Concen: 8.546 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2559787

Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.5	78.7

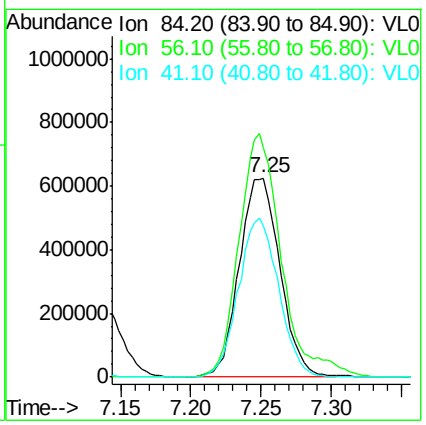


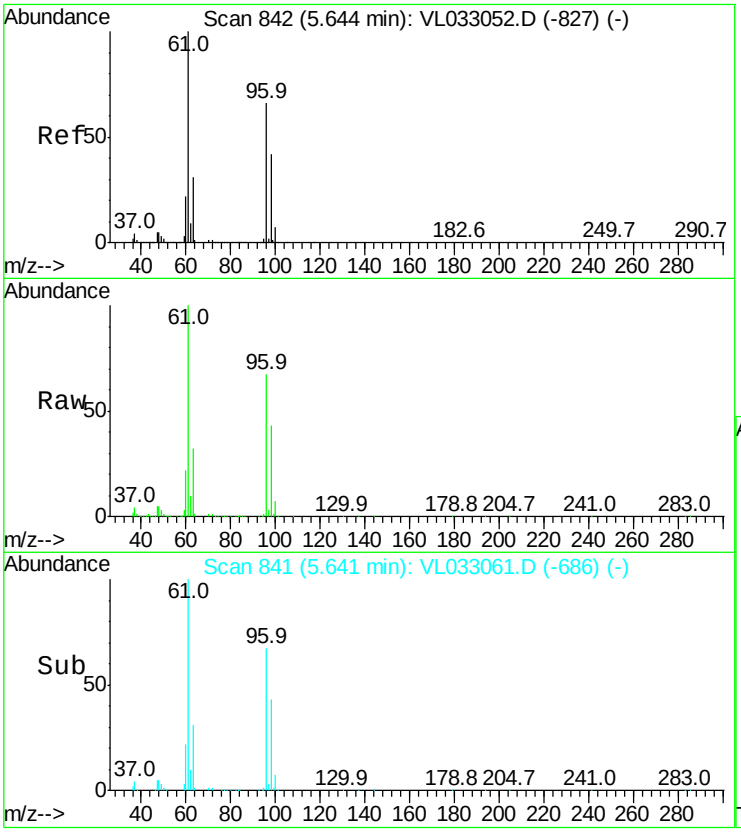


#30
Cyclohexane
Concen: 9.304 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 84 Resp: 1262299

Ion	Ratio	Lower	Upper
84	100		
56	128.1	101.8	152.6
41	79.6	63.2	94.8



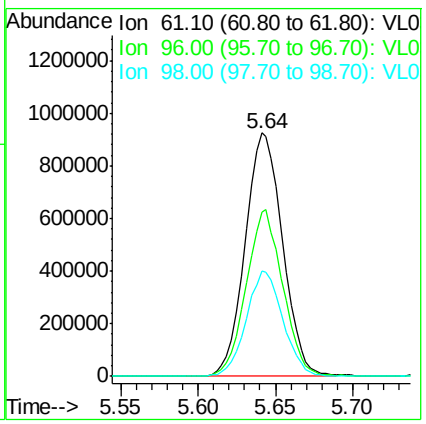


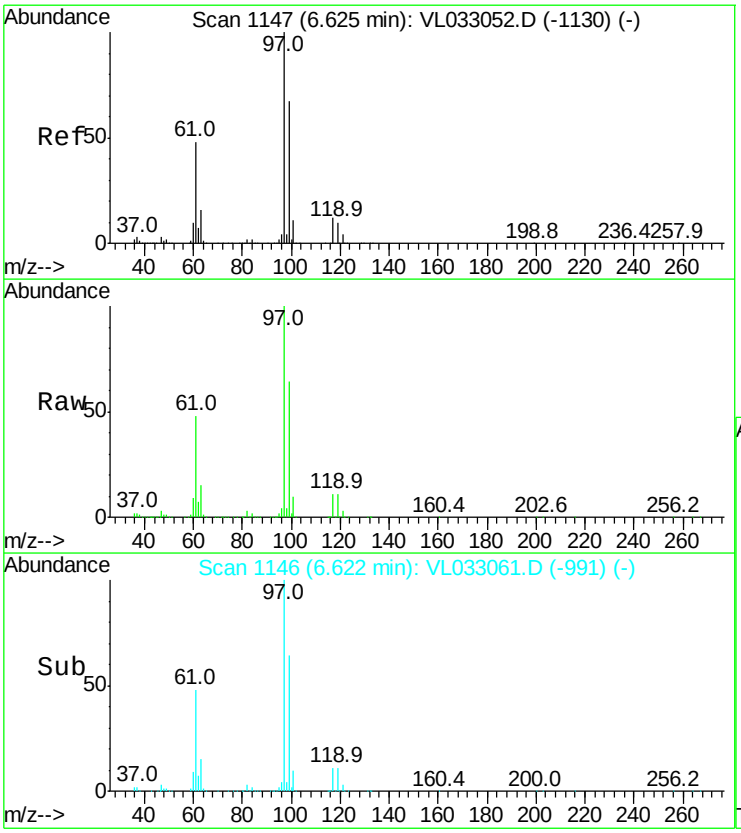
#31
cis-1,2-Dichloroethene
Concen: 9.316 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 1558772

Ion	Ratio	Lower	Upper
61	100		
96	67.3	52.8	79.2
98	43.0	33.8	50.6

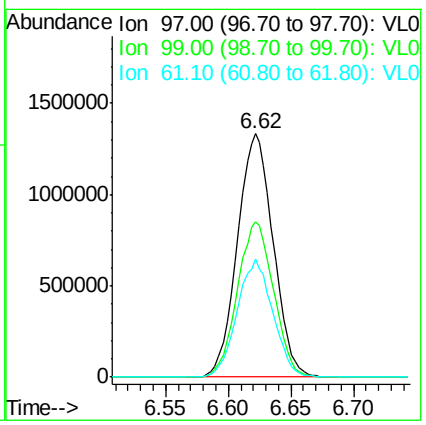


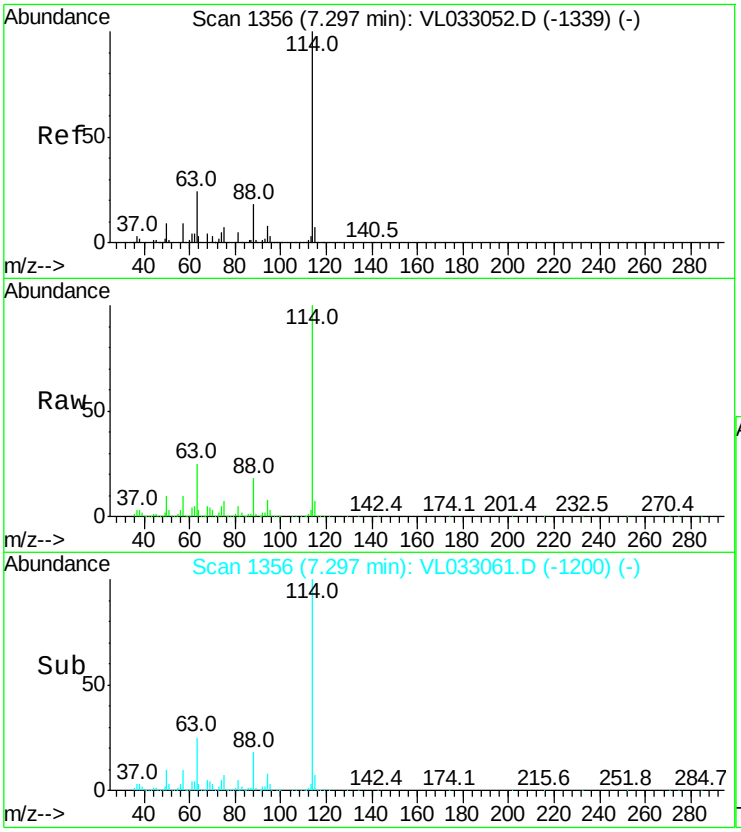


#32
1,1,1-Trichloroethane
Concen: 8.365 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 97 Resp: 2643555

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	48.1	38.3	57.5



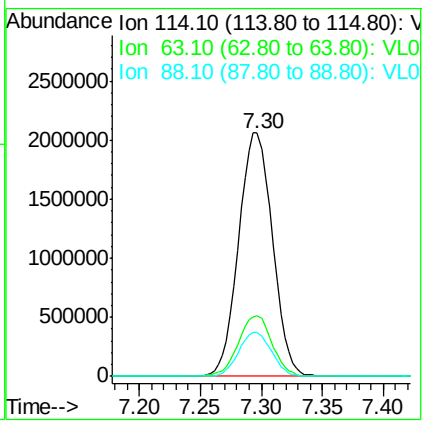


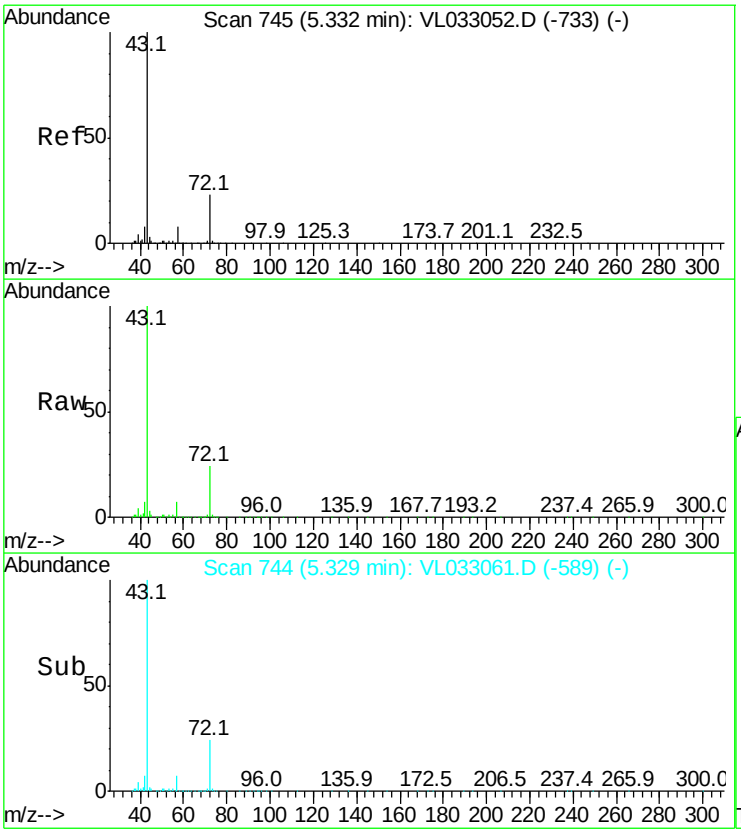
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 3944834

Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.1	30.1
88	17.7	14.0	21.0

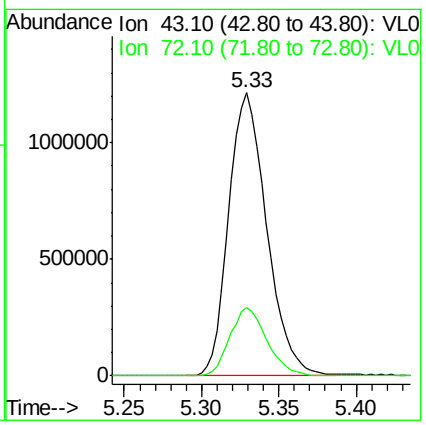


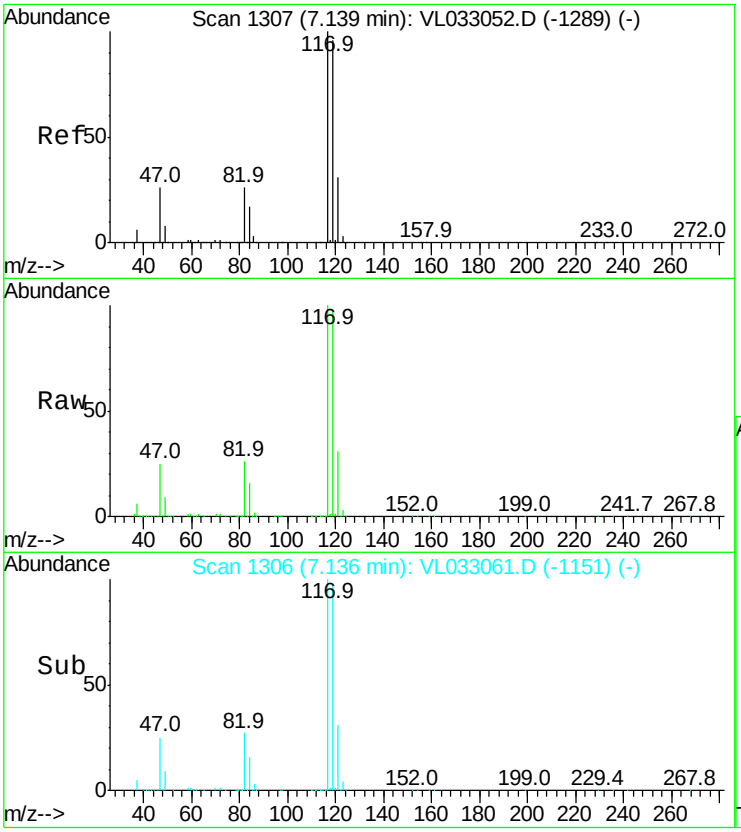


#34
2-Butanone
Concen: 8.971 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 43 Resp: 2066119

Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.9	28.3



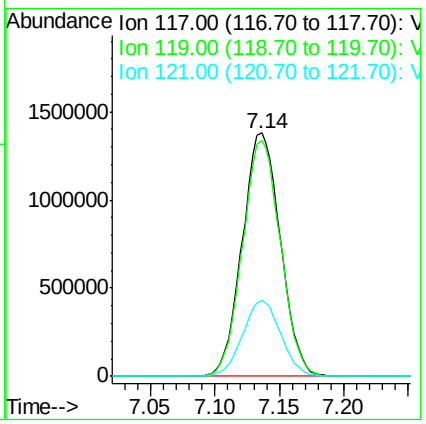


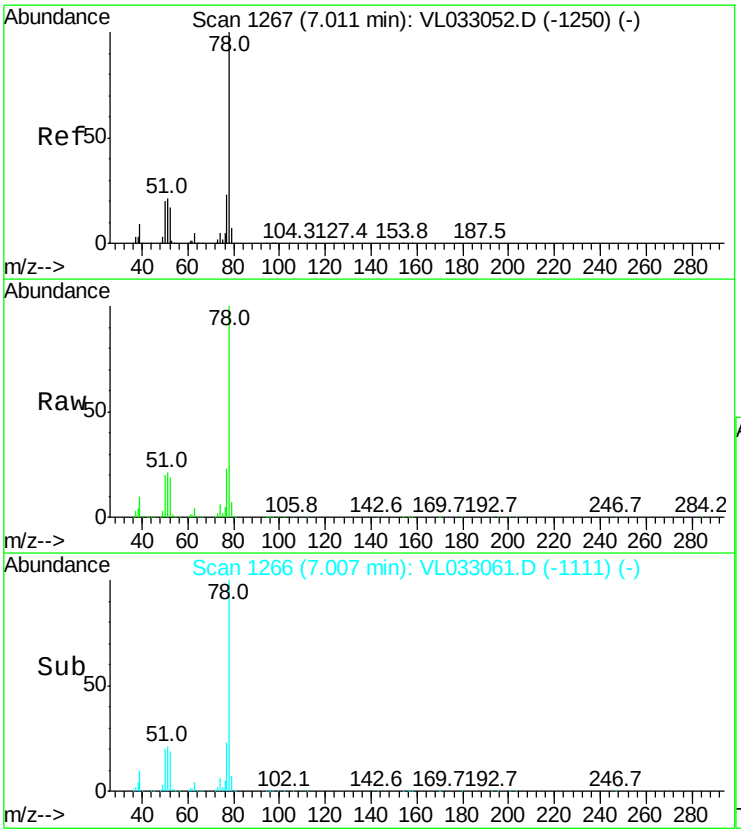
#35
Carbon Tetrachloride
Concen: 8.355 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 2845398

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.5	114.7
121	31.2	25.2	37.8

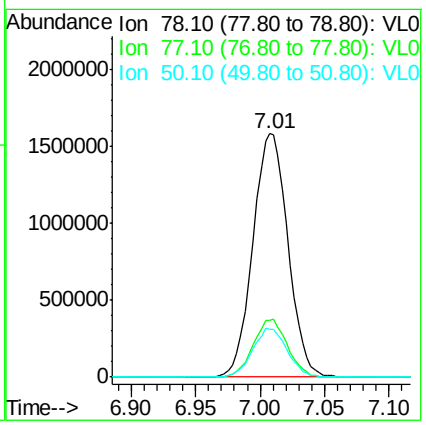


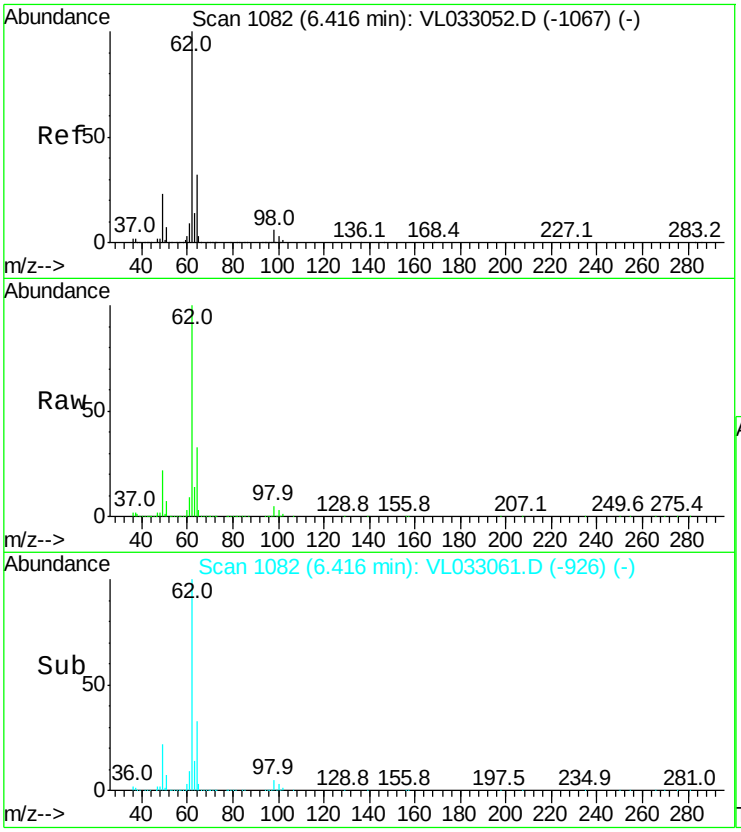


#36
Benzene
Concen: 9.254 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 78 Resp: 3003622

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	19.6	15.7	23.5



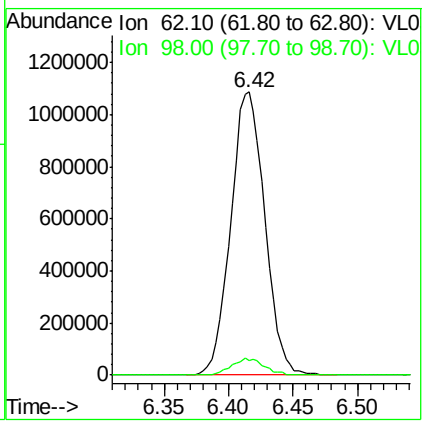


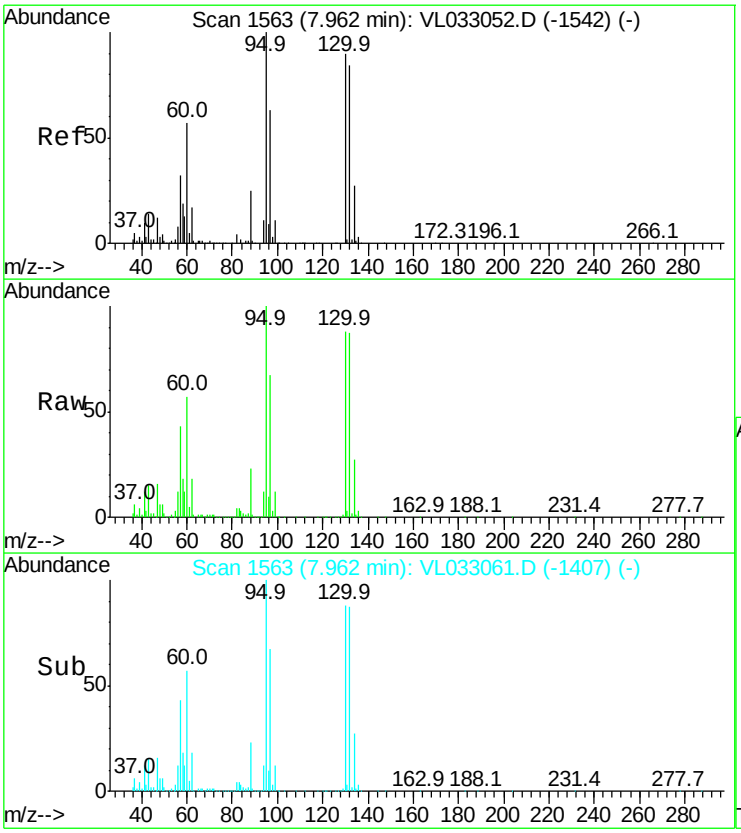
#37
1,2-Dichloroethane
Concen: 9.030 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 1994147

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.6	7.0

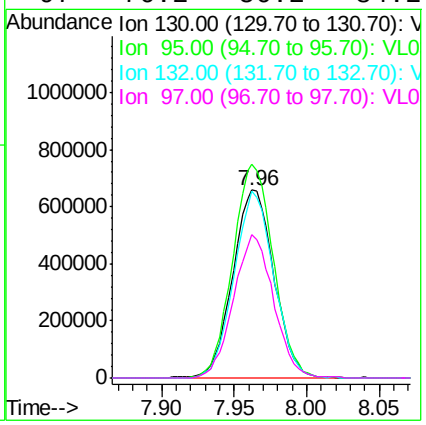


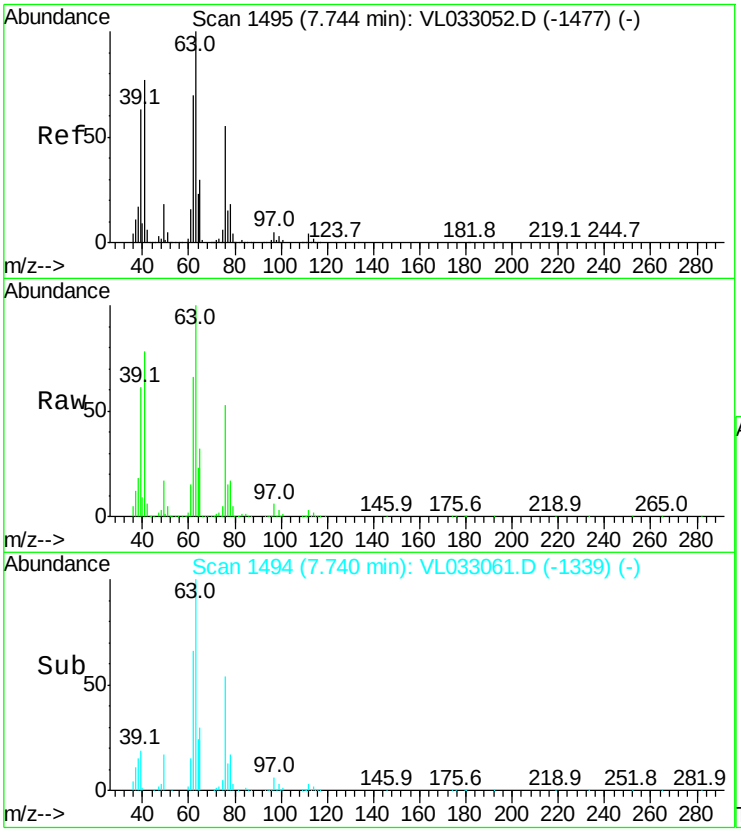


#38
Trichloroethene
Concen: 9.524 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:130 Resp: 1291149

Ion	Ratio	Lower	Upper
130	100		
95	113.5	88.6	132.8
132	99.3	74.2	111.2
97	76.2	56.2	84.2



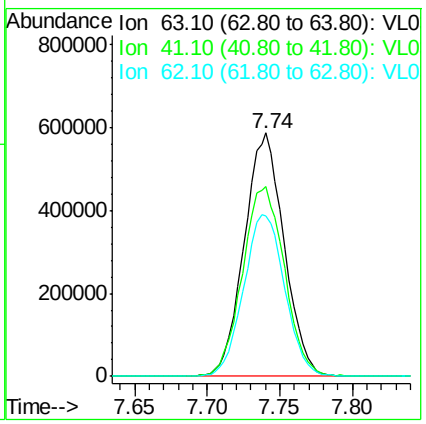


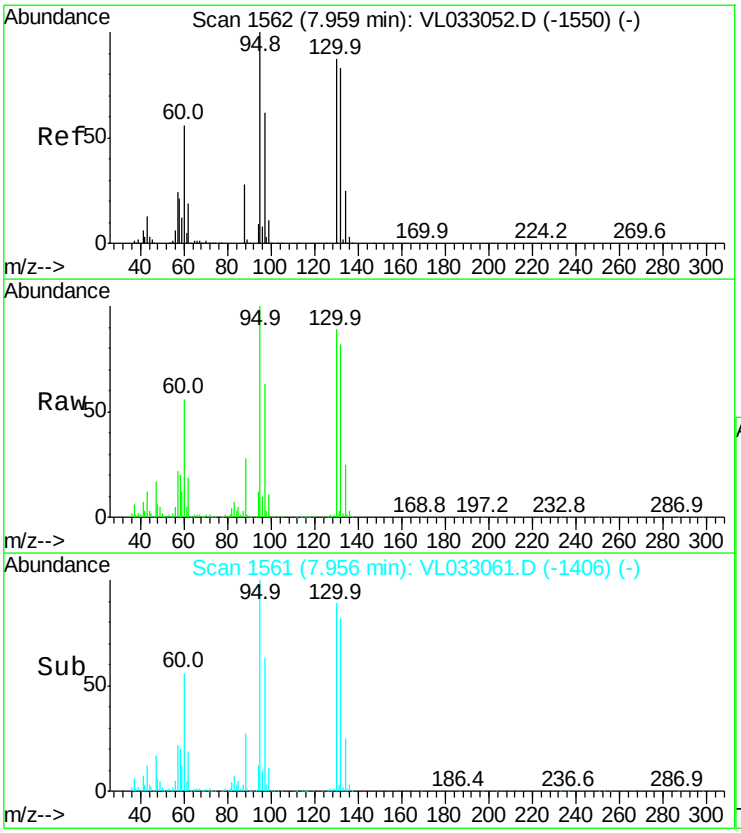
#39
1,2-Dichloropropane
Concen: 9.208 ppbv
RT: 7.74 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 63 Resp: 1121132

Ion	Ratio	Lower	Upper
63	100		
41	78.2	61.9	92.9
62	65.9	55.8	83.6

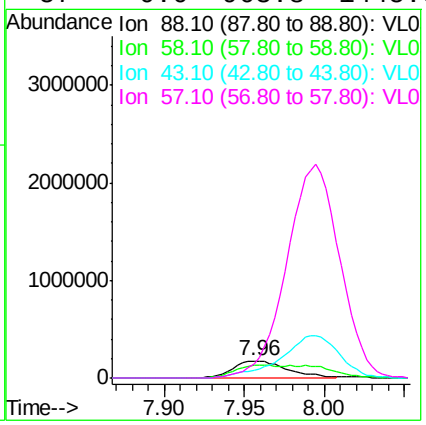


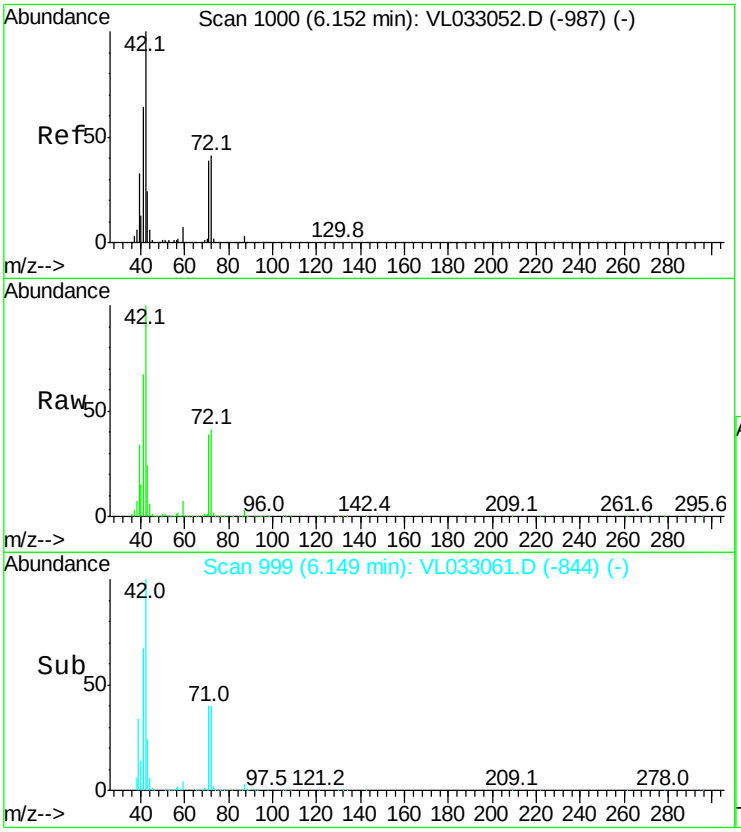


#40
1,4-Dioxane
Concen: 8.872 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 88 Resp: 410022

Ion	Ratio	Lower	Upper
88	100		
58	127.9	101.9	152.9
43	0.0	212.6	319.0#
57	0.0	963.8	1445.6#



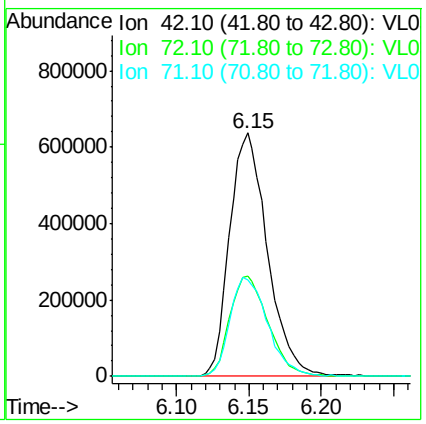


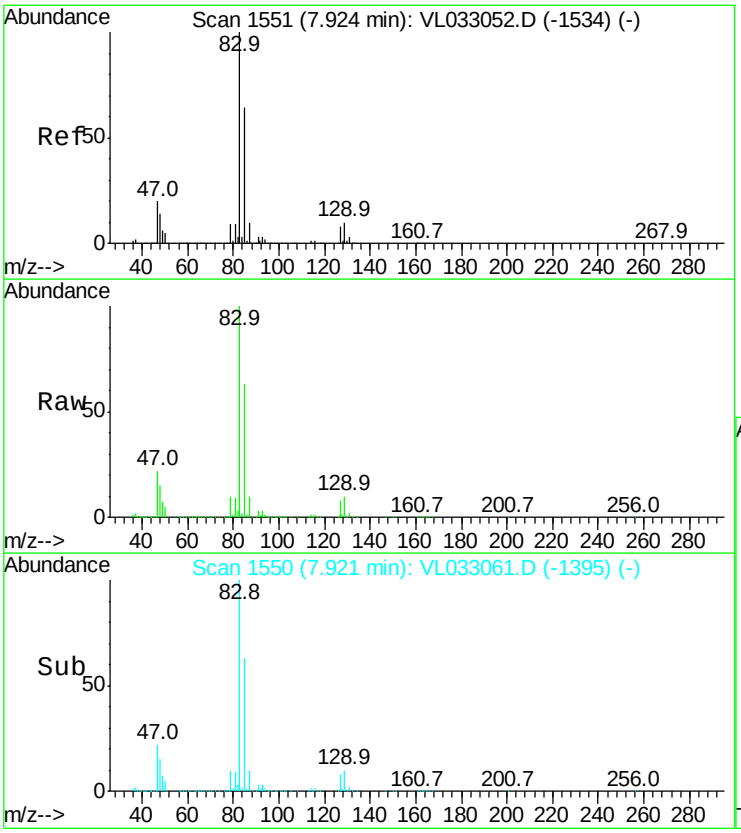
#41
Tetrahydrofuran
Concen: 9.797 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 1150563

Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.9	49.3
71	40.8	31.8	47.6

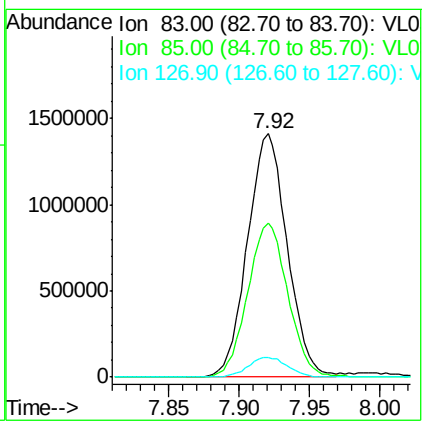


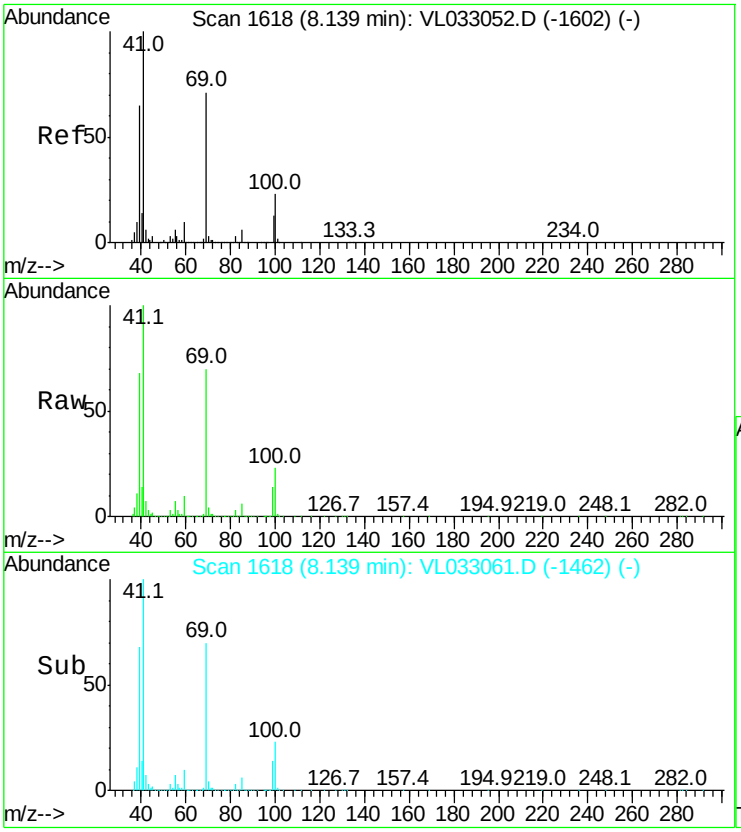


#42
Bromodichloromethane
Concen: 8.745 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 83 Resp: 2778257

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.0	76.4
127	8.2	6.5	9.7



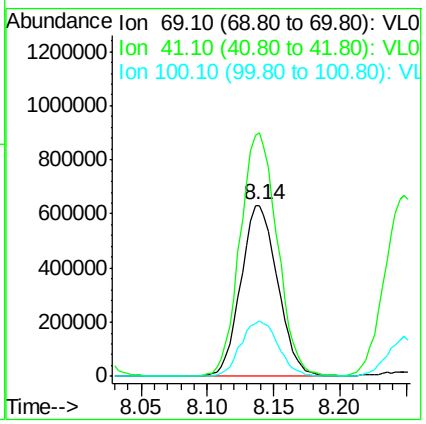


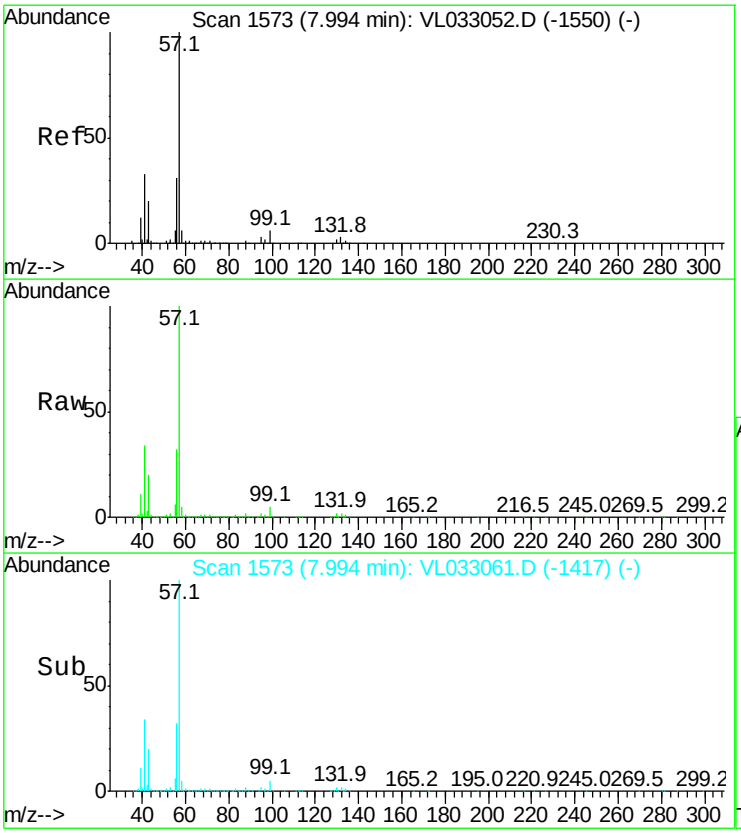
#43
Methyl Methacrylate
Concen: 10.070 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 69 Resp: 1218642

Ion	Ratio	Lower	Upper
69	100		
41	144.4	114.0	171.0
100	33.1	26.3	39.5

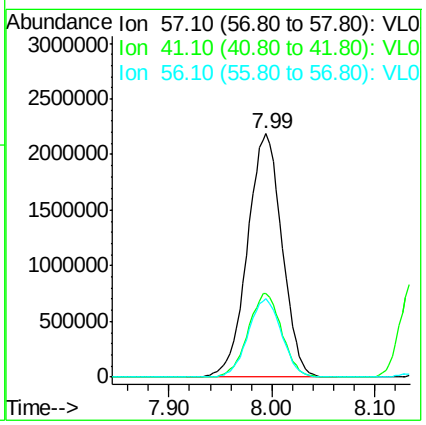


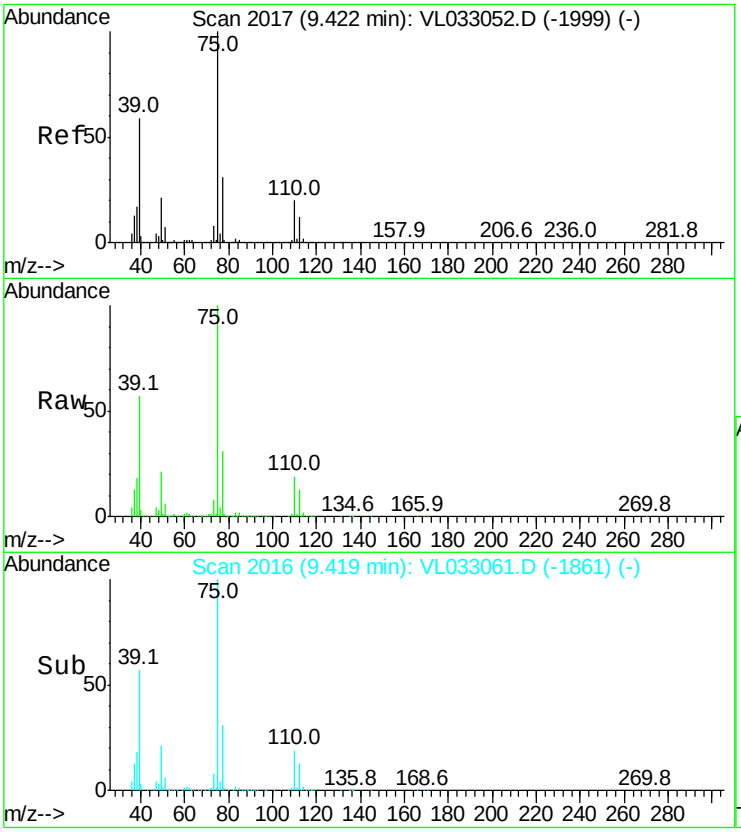


#44
2,2,4-Trimethylpentane
Concen: 8.826 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 57 Resp: 5072027

Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.2	39.2
56	31.3	24.9	37.3



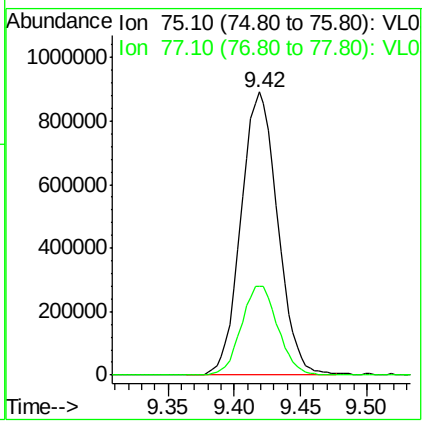


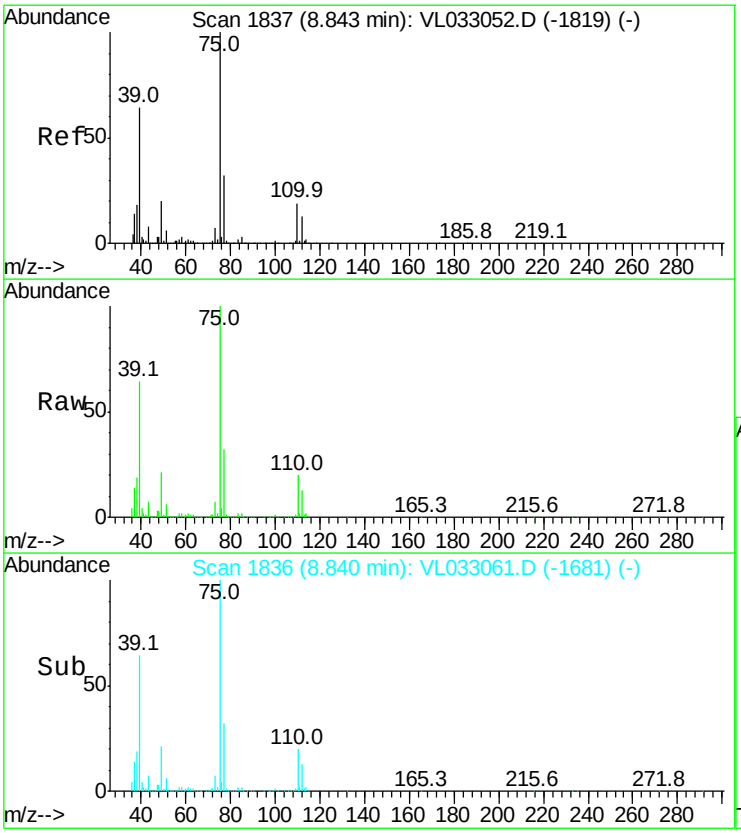
#45
t-1,3-Dichloropropene
Concen: 10.271 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 1717726

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2

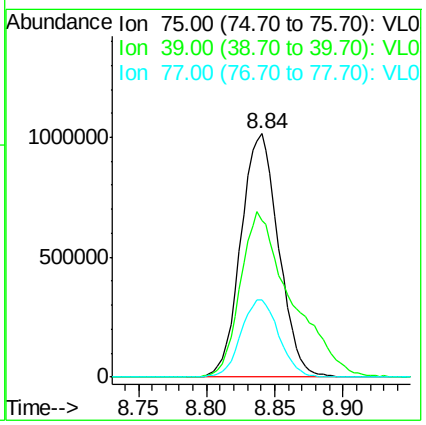


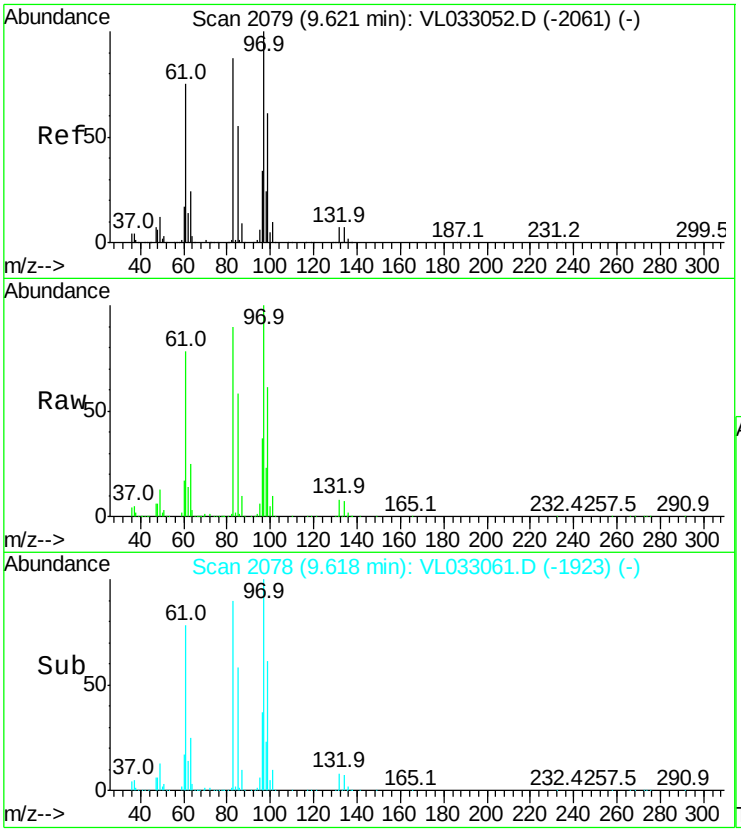


#46
cis-1,3-Dichloropropene
Concen: 10.711 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 75 Resp: 1947470

Ion	Ratio	Lower	Upper
75	100		
39	64.3	51.3	76.9
77	31.6	25.5	38.3



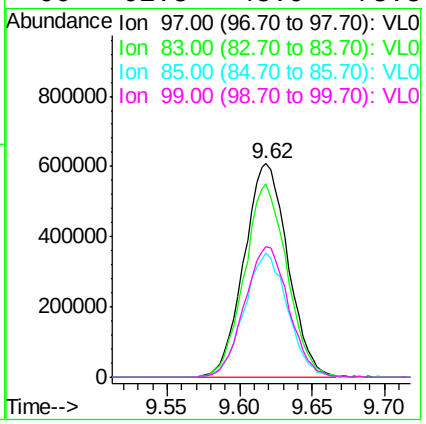


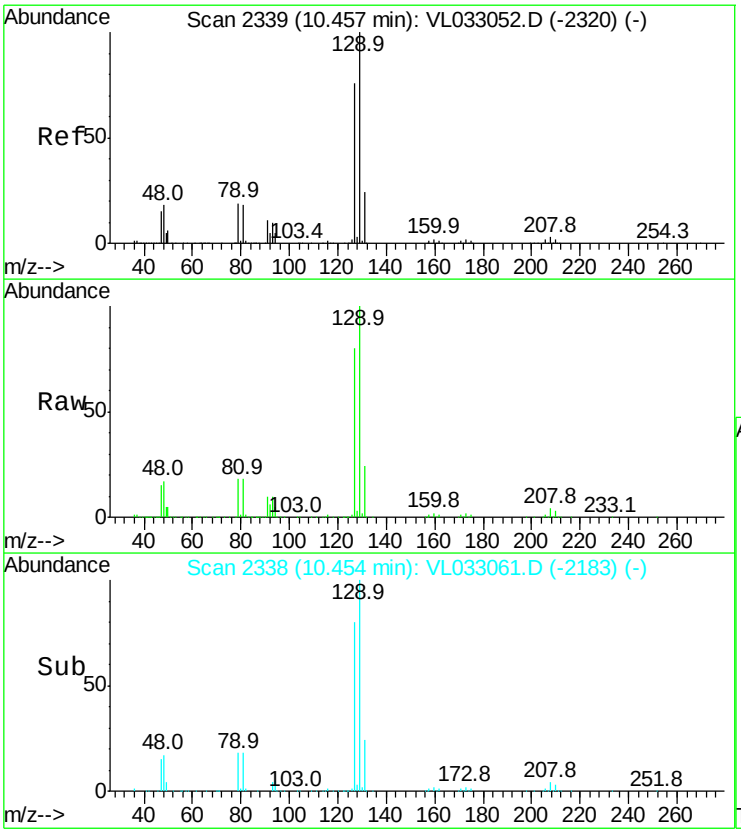
#47
1,1,2-Trichloroethane
Concen: 8.716 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 1281045

Ion	Ratio	Lower	Upper
97	100		
83	90.3	69.4	104.2
85	58.1	44.2	66.2
99	61.3	48.9	73.3

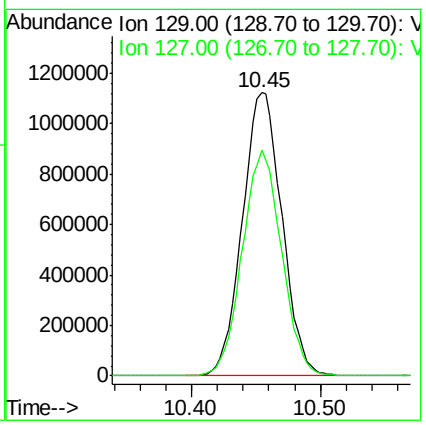


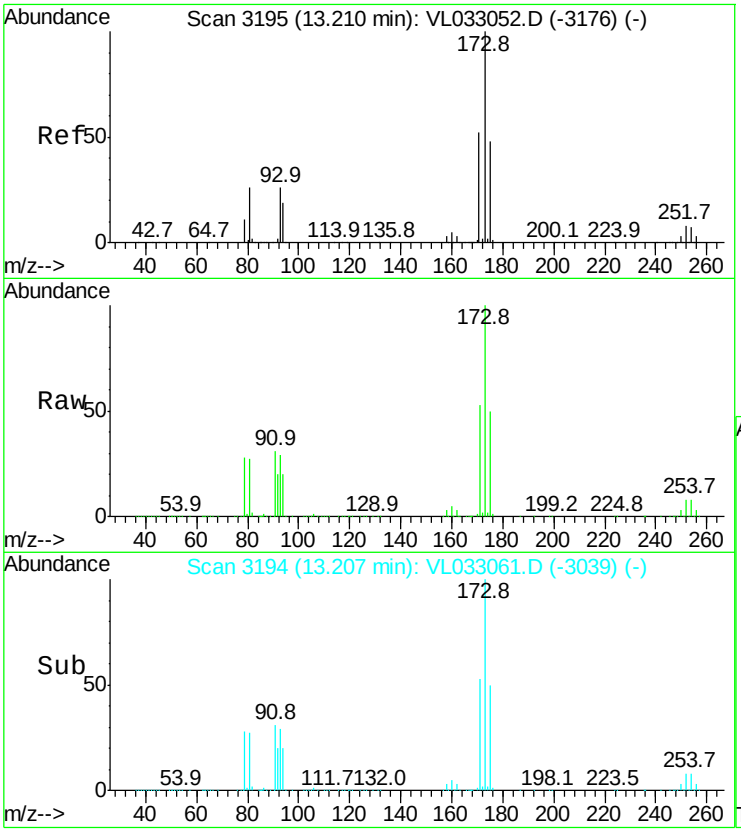


#48
Dibromochloromethane
Concen: 9.871 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:129 Resp: 2406301

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.3



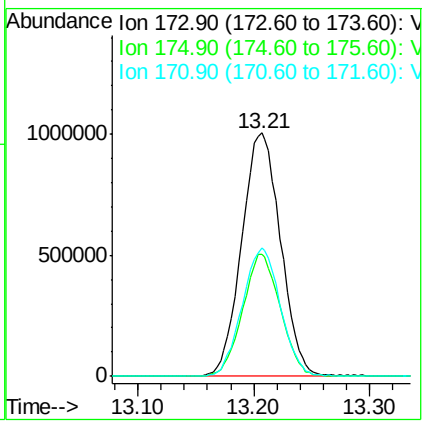


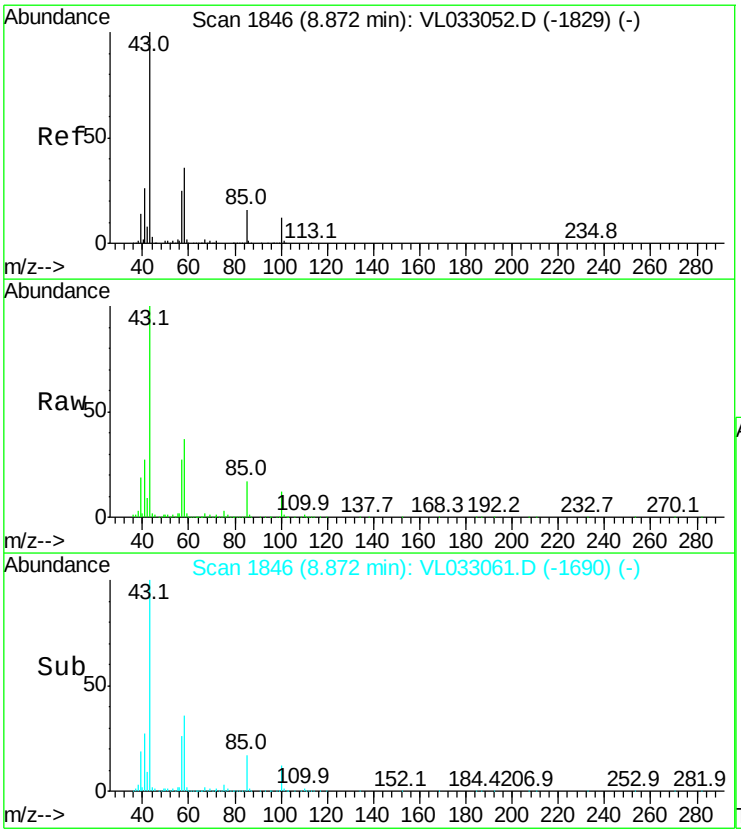
#49
Bromoform
Concen: 10.441 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 2345896

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.4	59.2
171	52.0	42.1	63.1

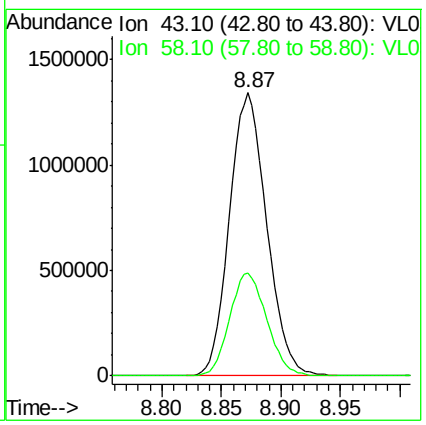


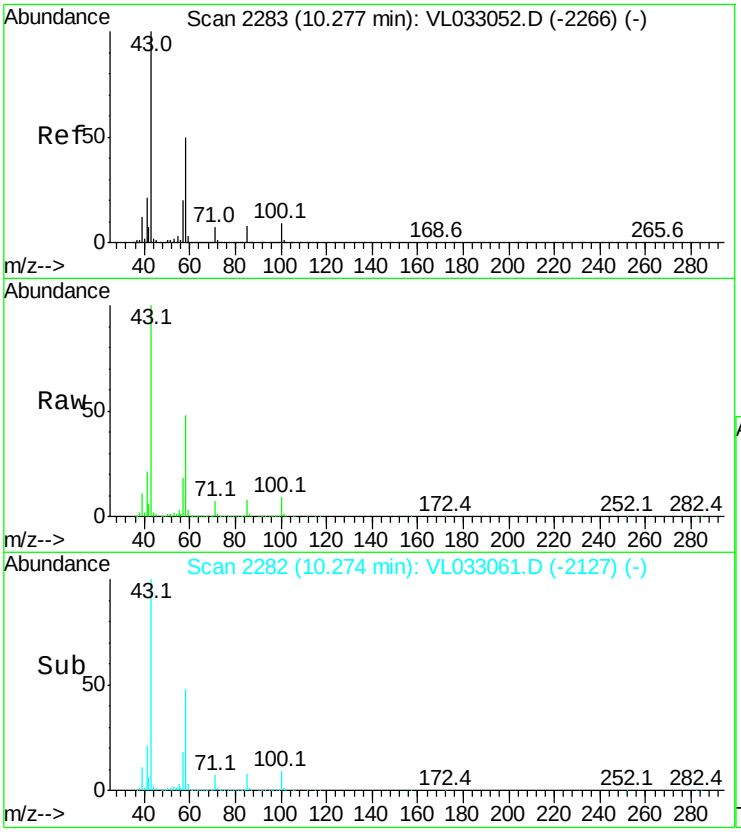


#50
4-Methyl-2-Pentanone
Concen: 9.390 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 43 Resp: 2907617

Ion	Ratio	Lower	Upper
43	100		
58	36.4	28.9	43.3



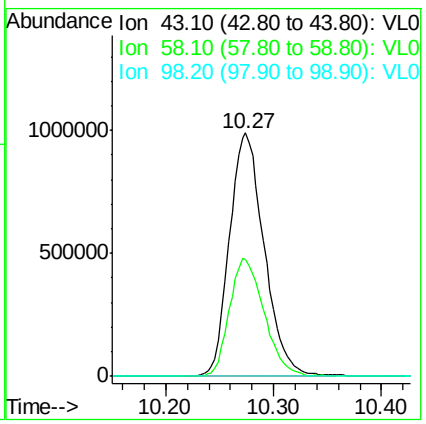


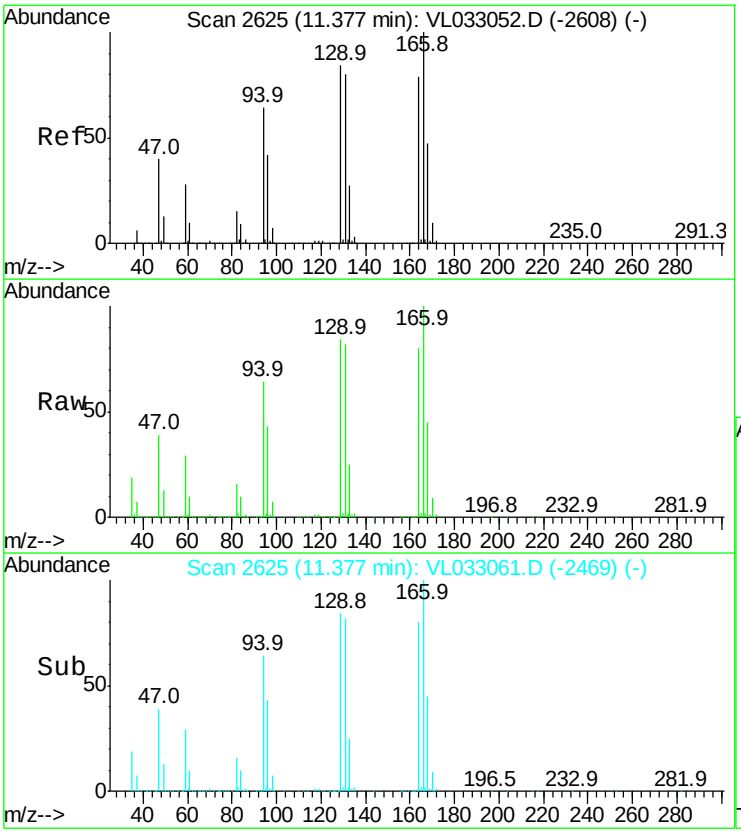
#51
2-Hexanone
Concen: 10.595 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 2216554

Ion	Ratio	Lower	Upper
43	100		
58	48.7	39.0	58.6
98	0.5	0.4	0.6

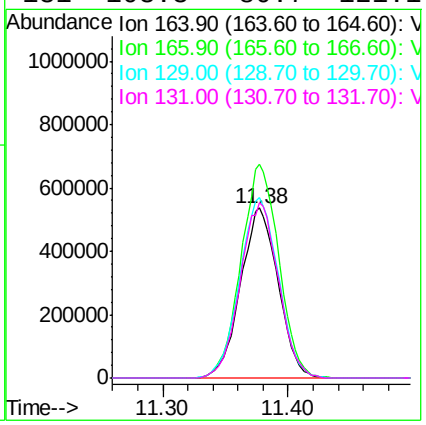


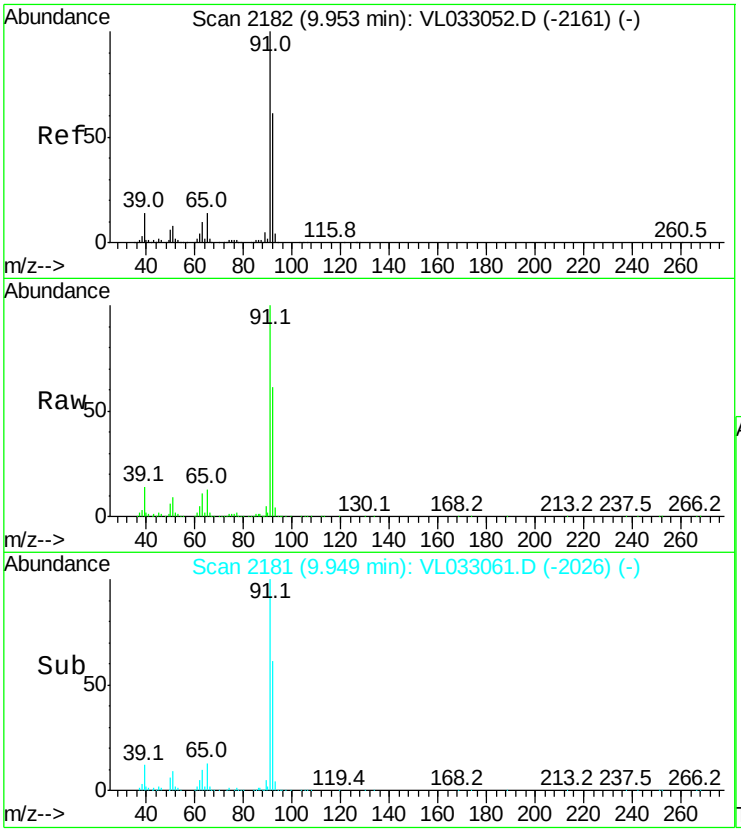


#52
Tetrachloroethene
Concen: 9.493 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:164 Resp: 1115322

Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.8	151.2
129	105.9	84.6	126.8
131	103.3	80.7	121.1



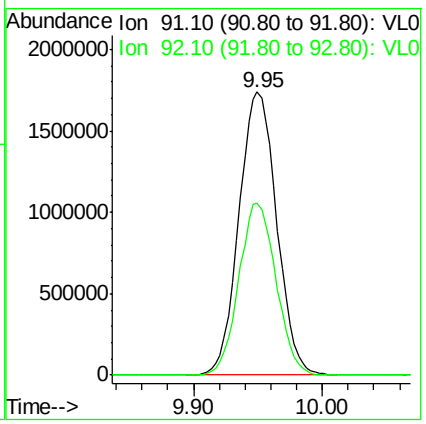


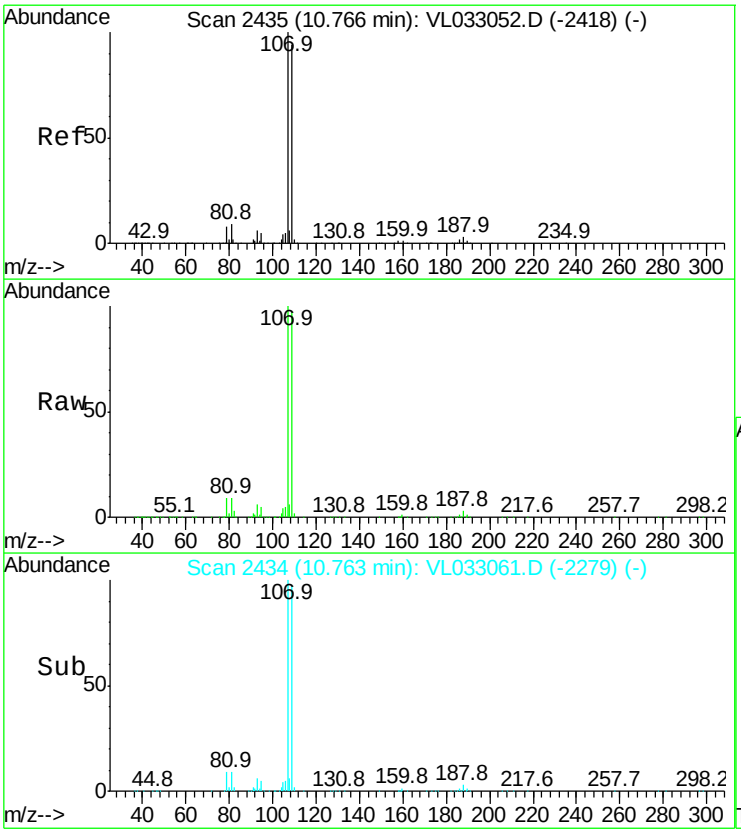
#53
Toluene
Concen: 10.591 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 3538591

Ion	Ratio	Lower	Upper
91	100		
92	60.2	47.7	71.5

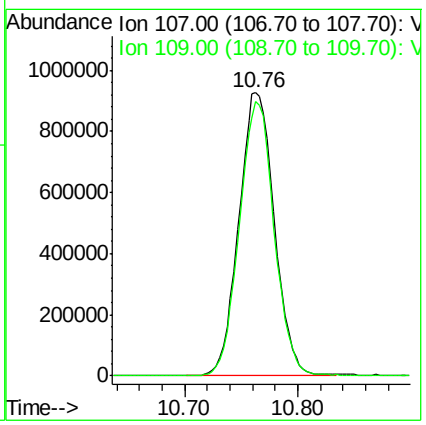


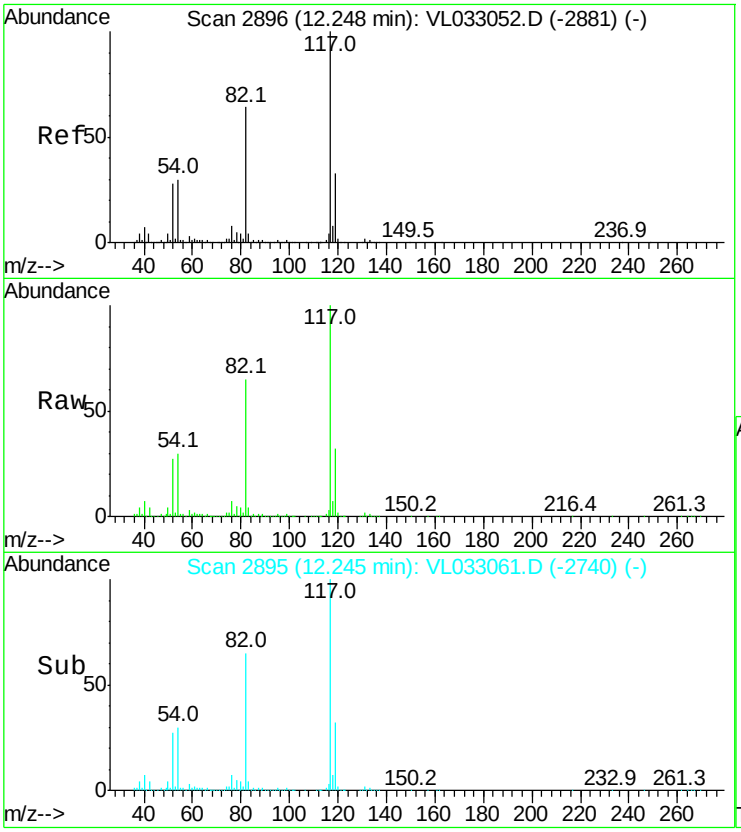


#54
1,2-Dibromoethane
Concen: 9.478 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:107 Resp: 2023912

Ion	Ratio	Lower	Upper
107	100		
109	96.8	74.9	112.3



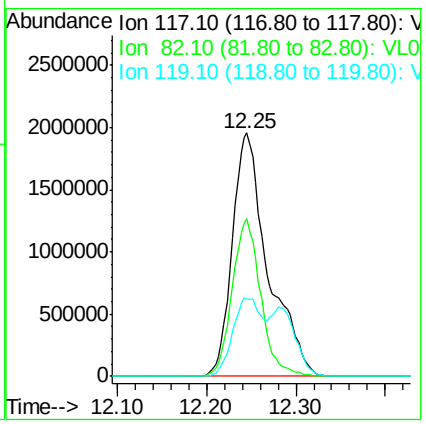


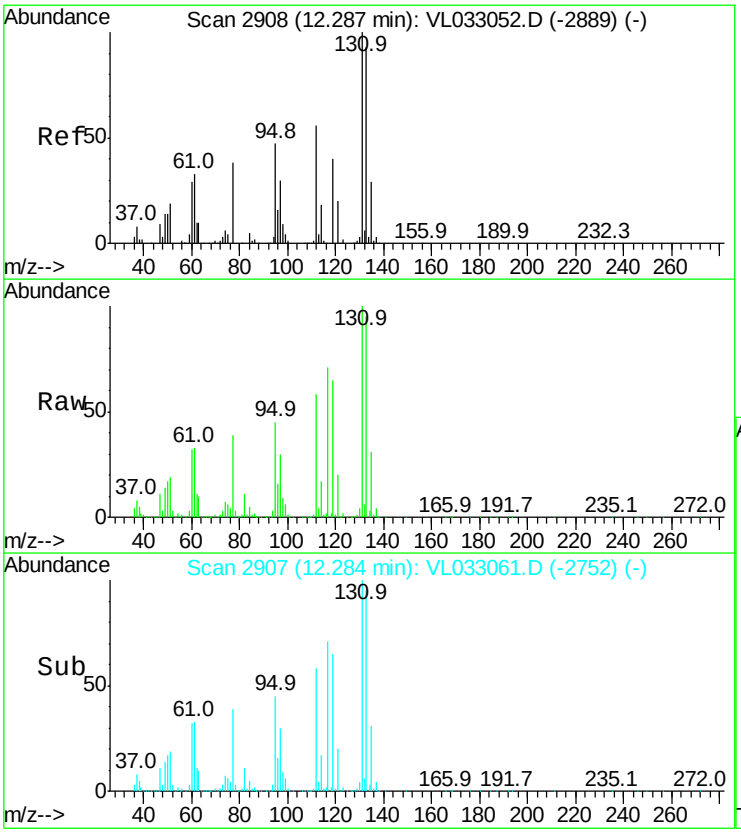
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 5432475

Ion	Ratio	Lower	Upper
117	100		
82	51.6	48.9	73.3
119	47.2	24.6	37.0#

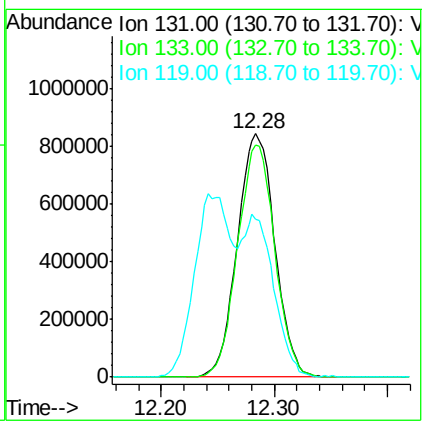


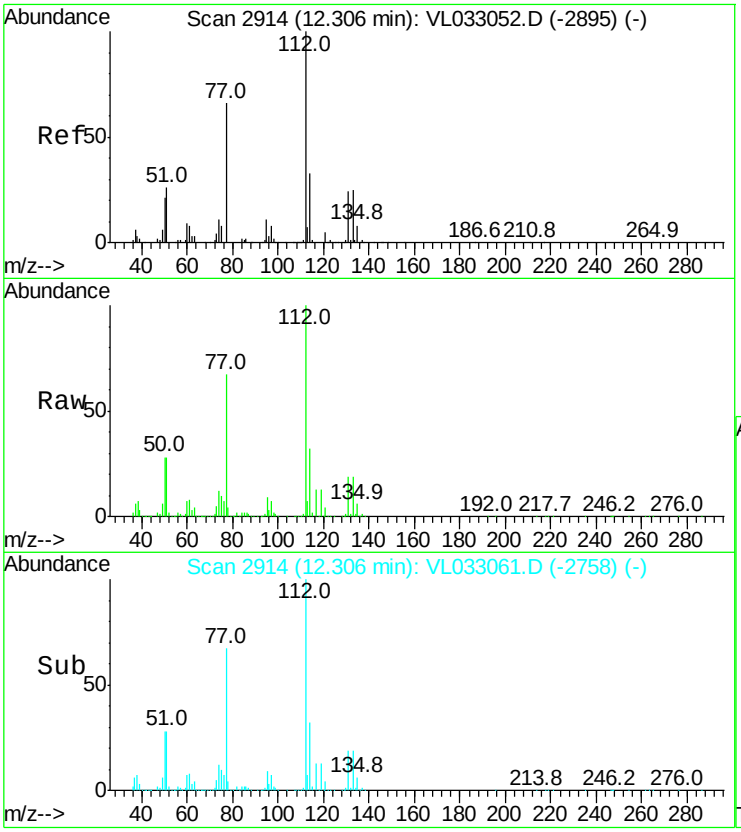


#56
1,1,1,2-Tetrachloroethane
Concen: 7.064 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:131 Resp: 1942270

Ion	Ratio	Lower	Upper
131	100		
133	94.9	76.0	114.0
119	55.7	44.2	66.2



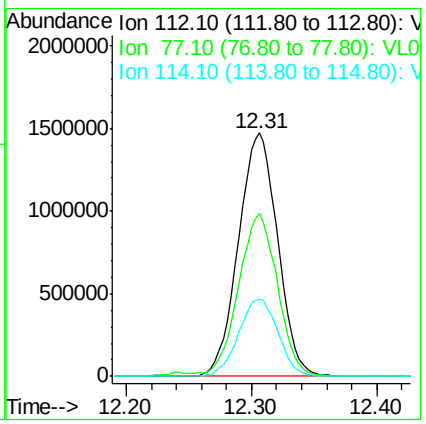


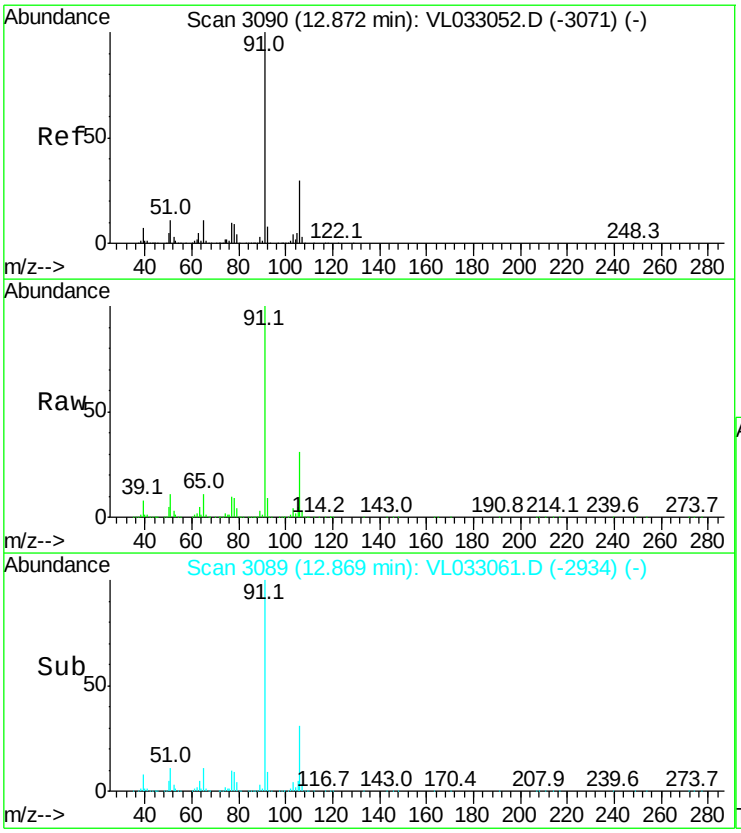
#57
Chlorobenzene
Concen: 7.239 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 3188428

Ion	Ratio	Lower	Upper
112	100		
77	66.7	53.4	80.0
114	31.9	30.0	36.6

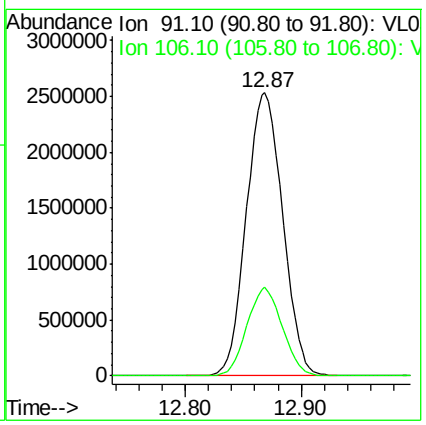


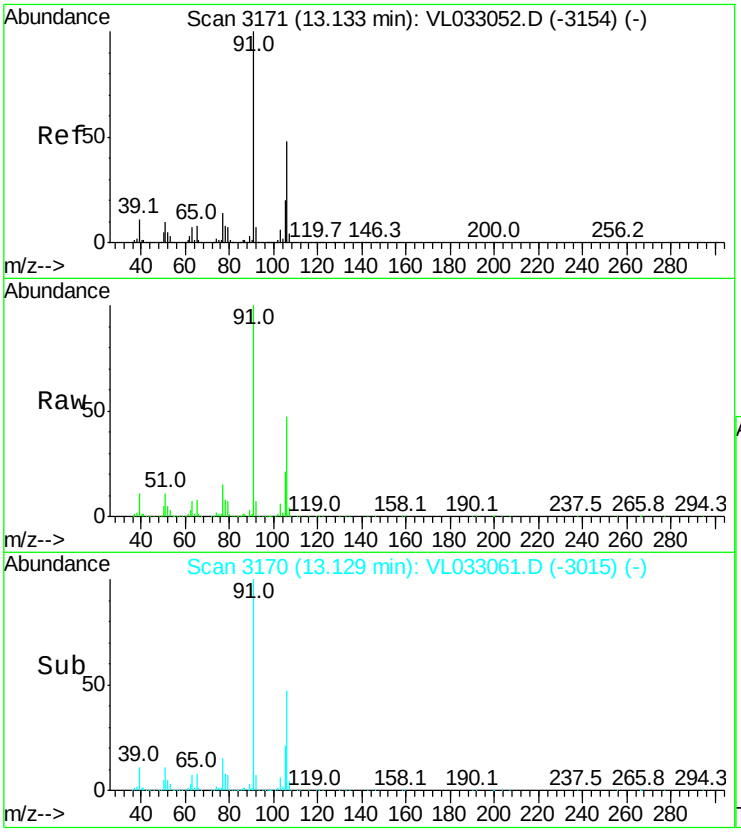


#58
Ethyl Benzene
Concen: 8.289 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 91 Resp: 5539074

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.3	36.5



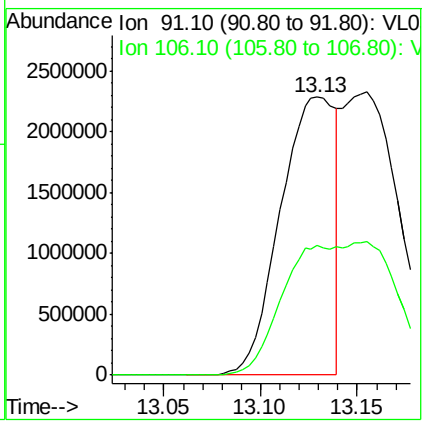


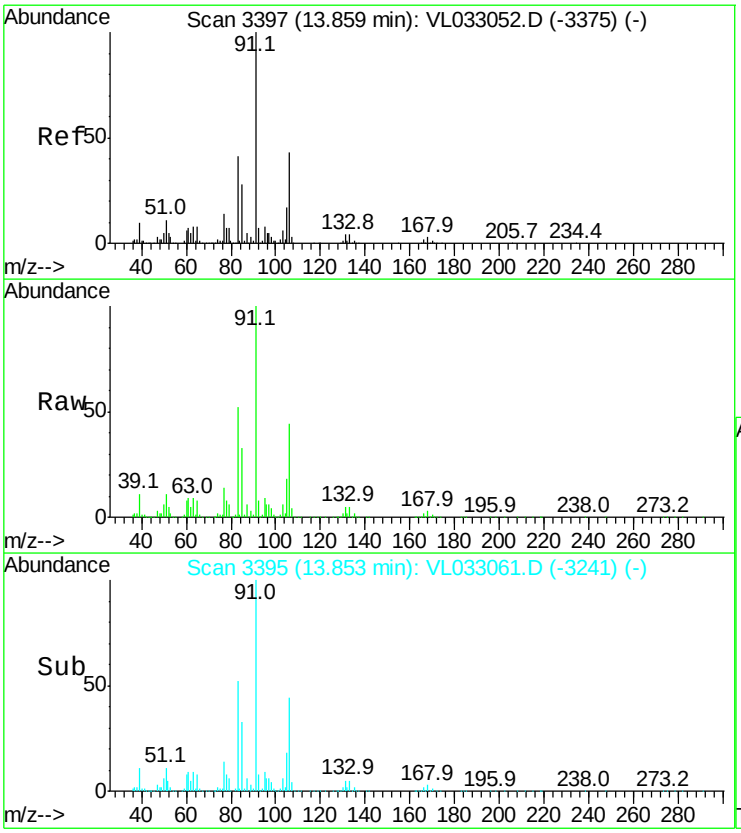
#59
m/p-Xylene
Concen: 7.248 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 4498222

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

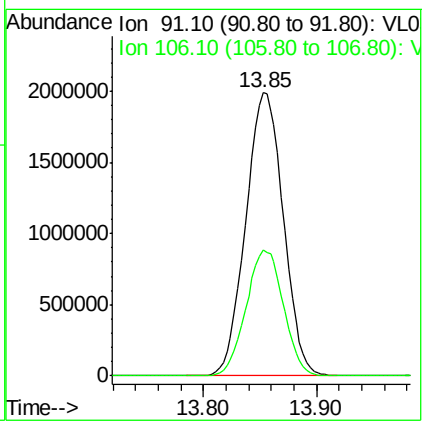


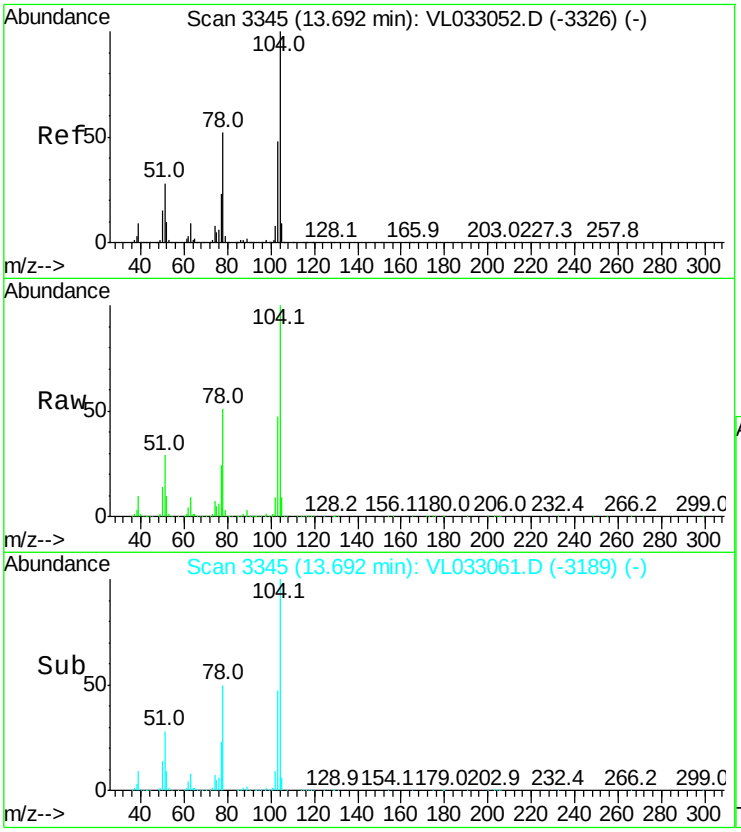


#60
o-Xylene
Concen: 7.557 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 91 Resp: 4584928

Ion	Ratio	Lower	Upper
91	100		
106	44.3	22.1	66.5



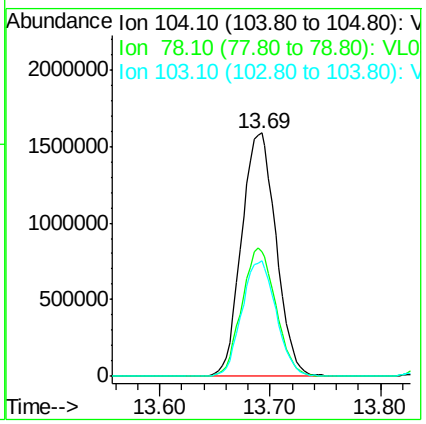


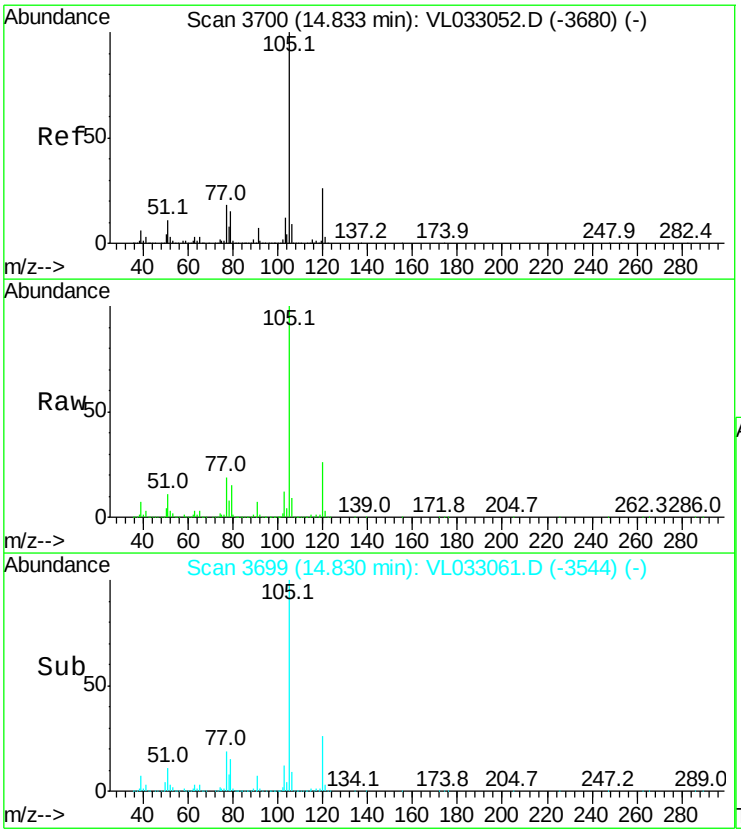
#61
Styrene
Concen: 8.779 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 3434871

Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.6	62.4
103	47.3	38.1	57.1

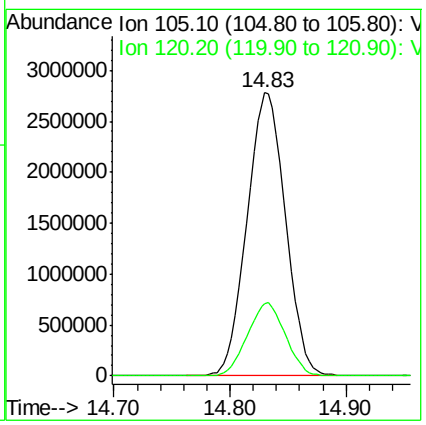


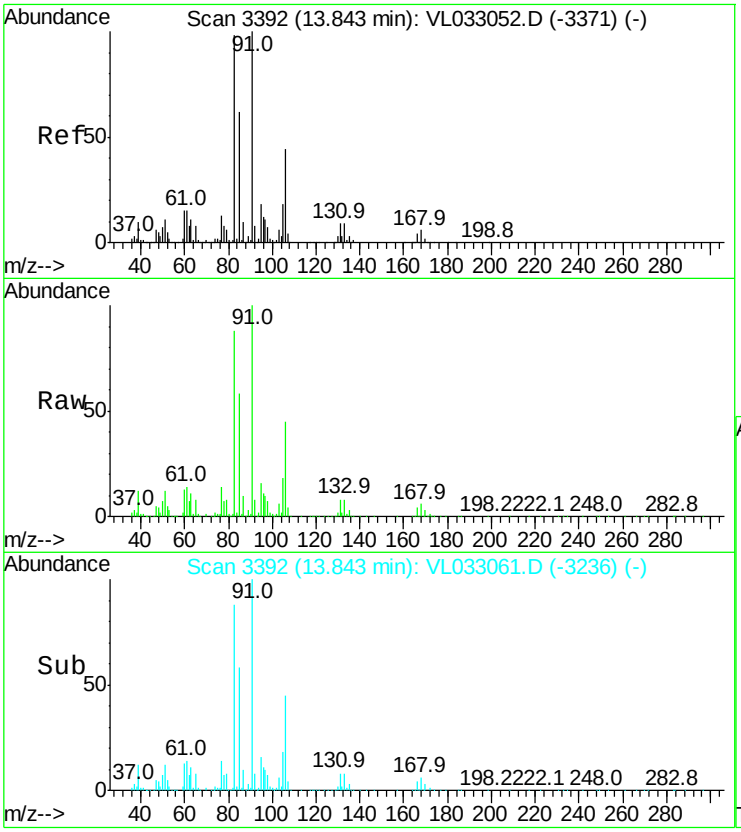


#62
Isopropylbenzene
Concen: 7.396 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:105 Resp: 6409242

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.4	30.6



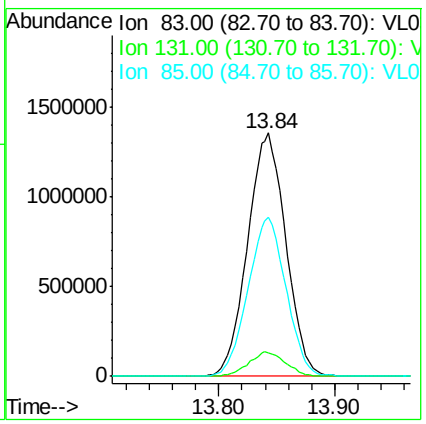


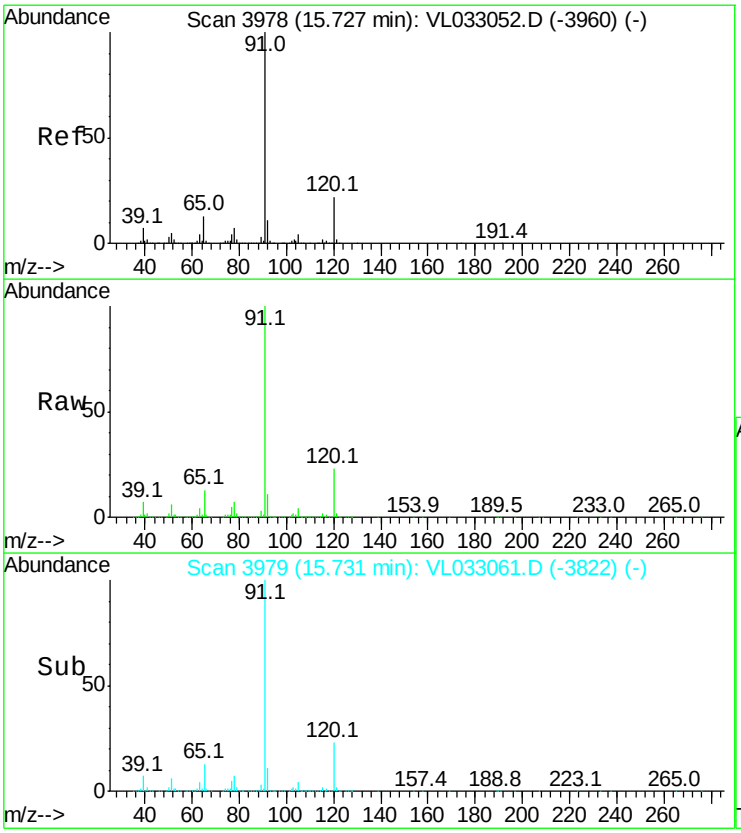
#63
1,1,2,2-Tetrachloroethane
Concen: 6.538 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 3104891

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	65.2	32.6	97.8

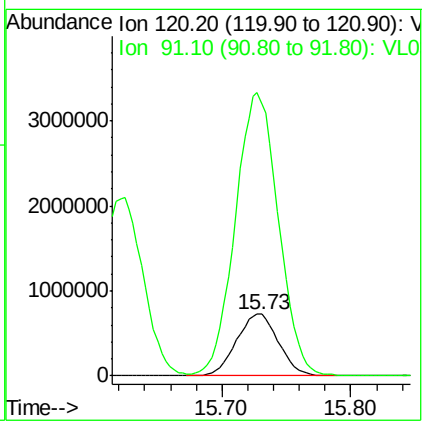


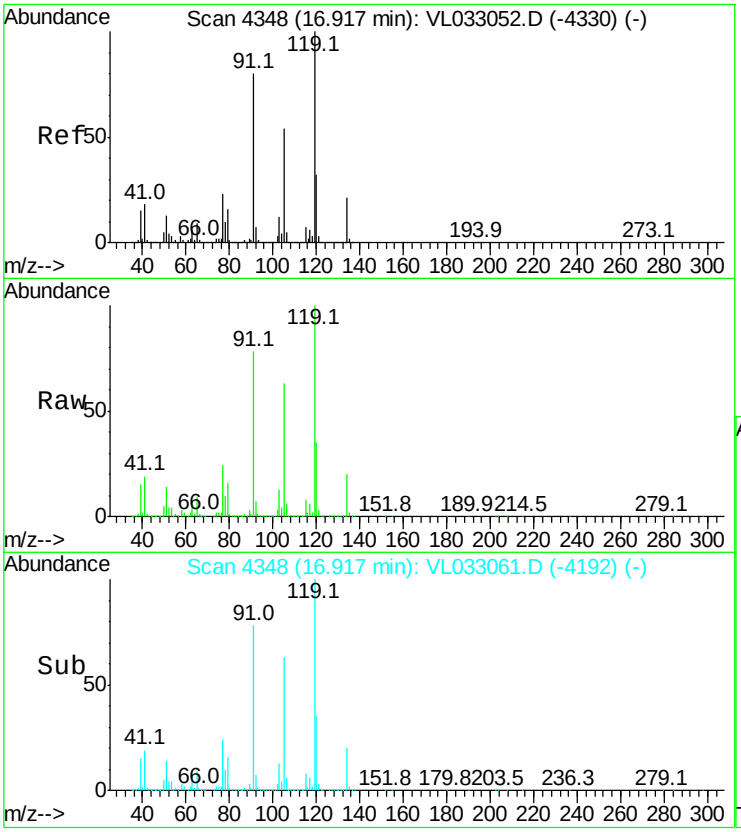


#64
n-propylbenzene
Concen: 7.689 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:120 Resp: 1643024

Ion	Ratio	Lower	Upper
120	100		
91	471.1	378.7	568.1



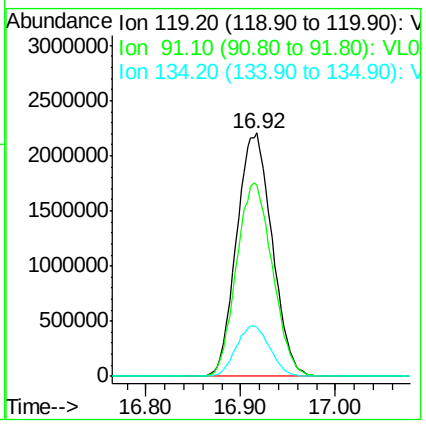


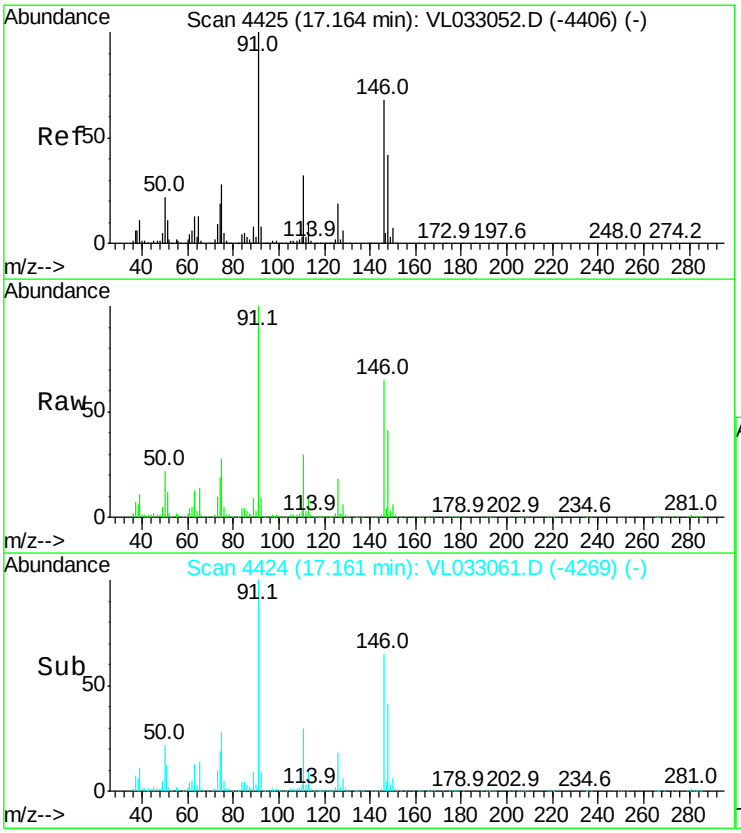
#65
tert-Butylbenzene
Concen: 7.443 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 5741020

Ion	Ratio	Lower	Upper
119	100		
91	80.8	64.6	97.0
134	19.7	15.8	23.8

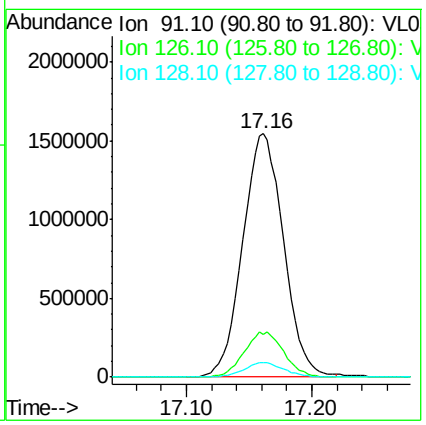


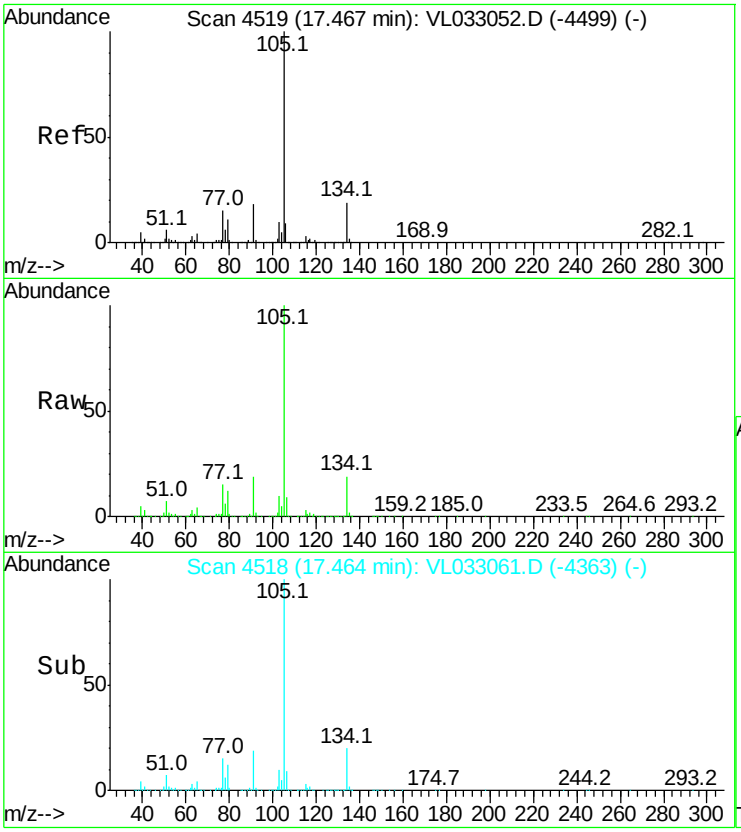


#66
Benzyl Chloride
Concen: 8.057 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 91 Resp: 3493216

Ion	Ratio	Lower	Upper
91	100		
126	18.1	14.4	21.6
128	5.8	4.5	6.7



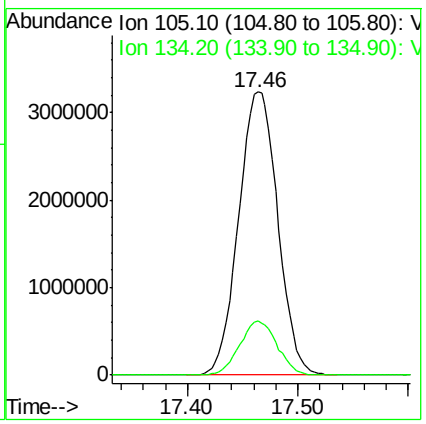


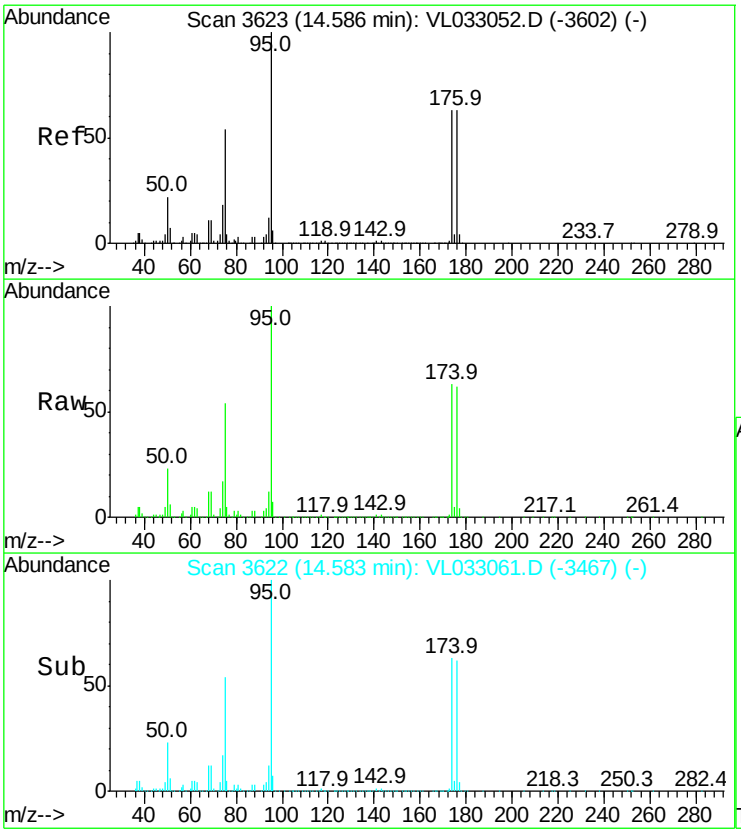
#67
sec-Butylbenzene
Concen: 7.299 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 7938040

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.6	21.8

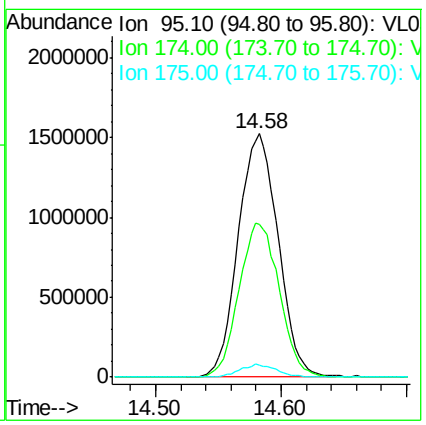


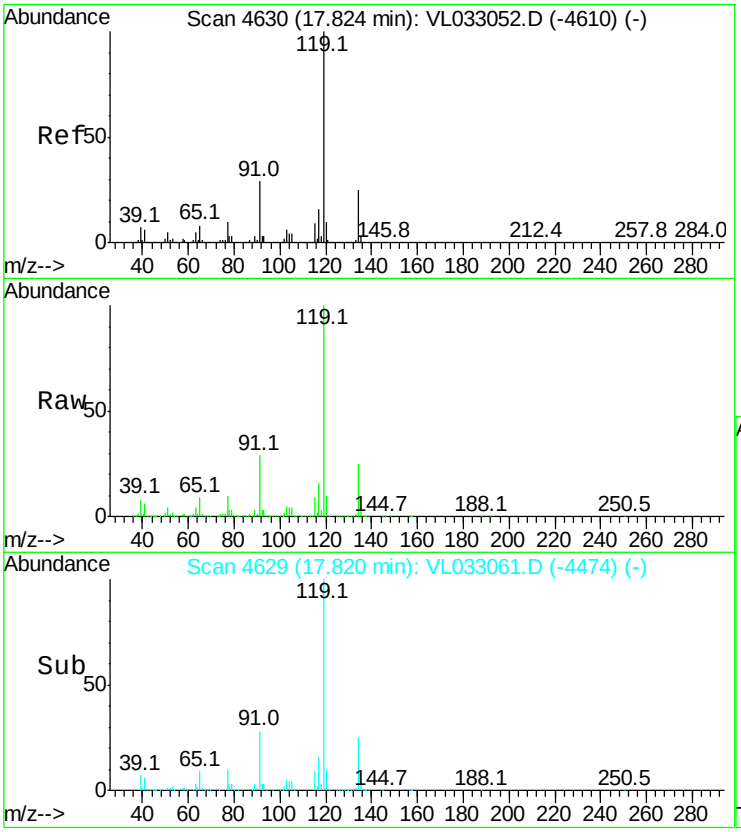


#68
1-Bromo-4-Fluorobenzene
Concen: 8.319 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 95 Resp: 3370965

Ion	Ratio	Lower	Upper
95	100		
174	64.3	51.9	77.9
175	4.8	3.9	5.9



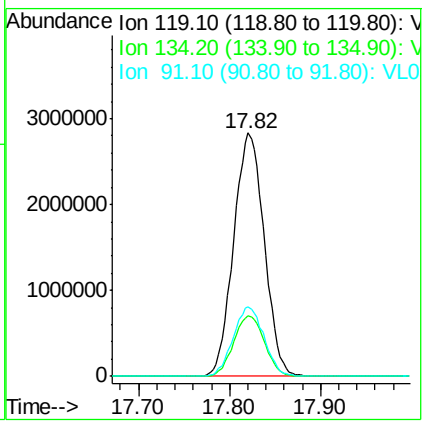


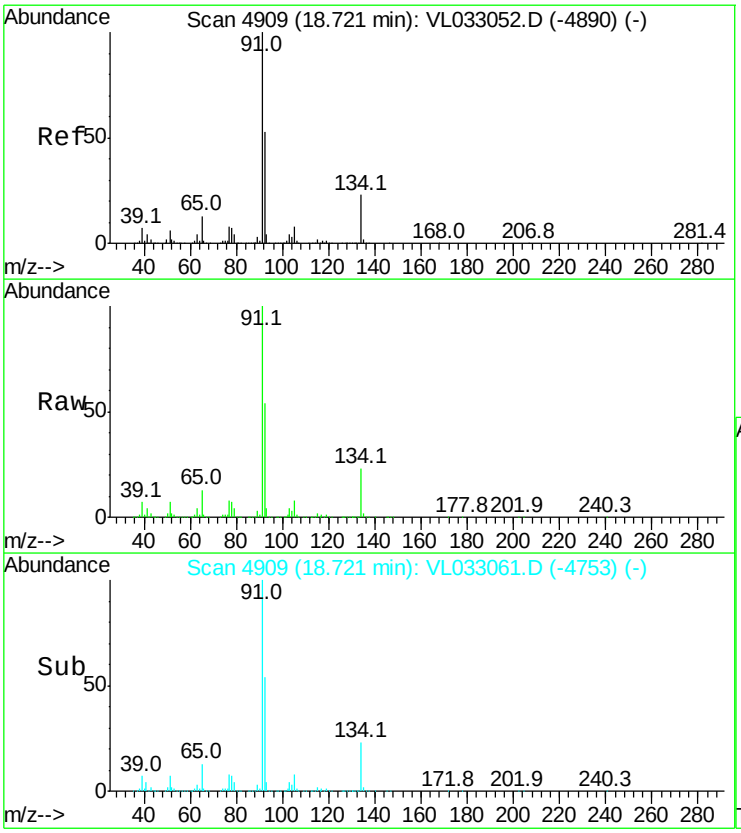
#69
p-Isopropyltoluene
Concen: 7.515 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 6611663

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.1	30.1
91	28.7	23.0	34.4

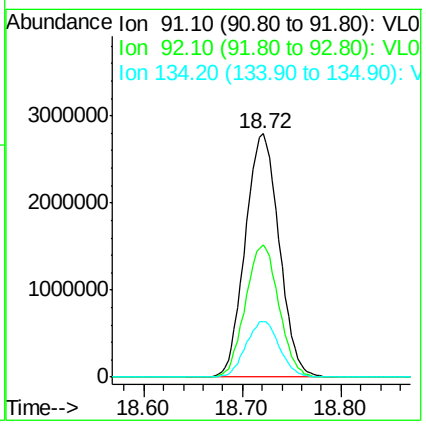


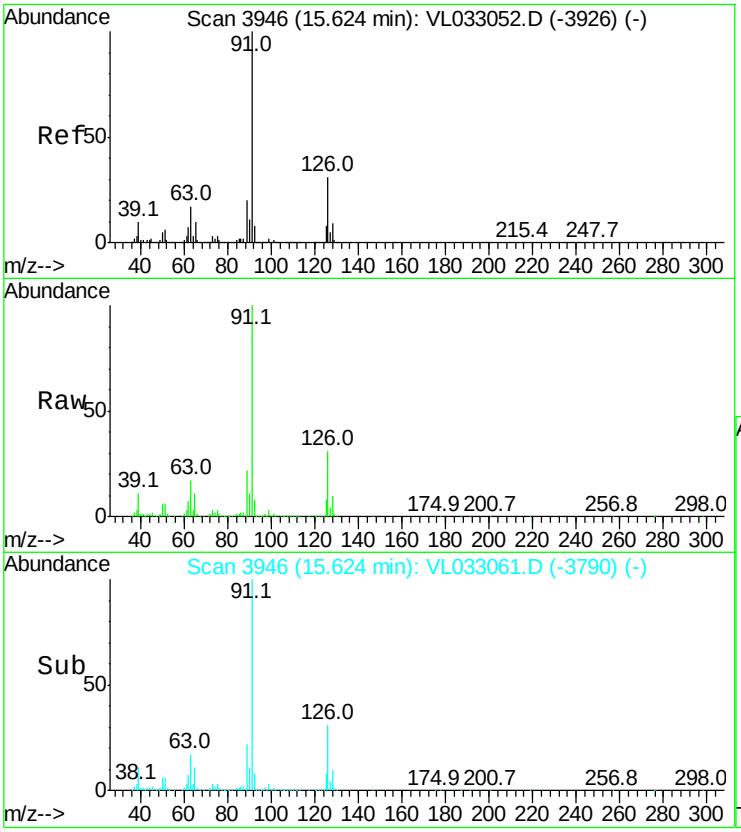


#70
n-Butylbenzene
Concen: 7.375 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion: 91 Resp: 6621935

Ion	Ratio	Lower	Upper
91	100		
92	53.5	42.4	63.6
134	22.7	18.0	27.0



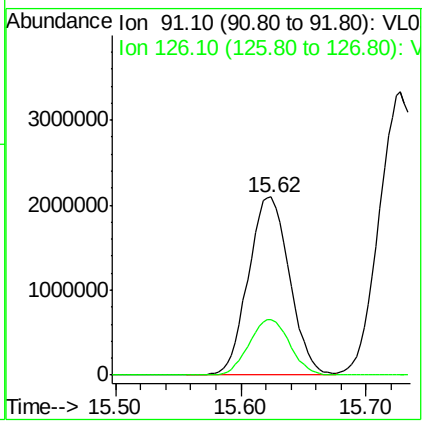


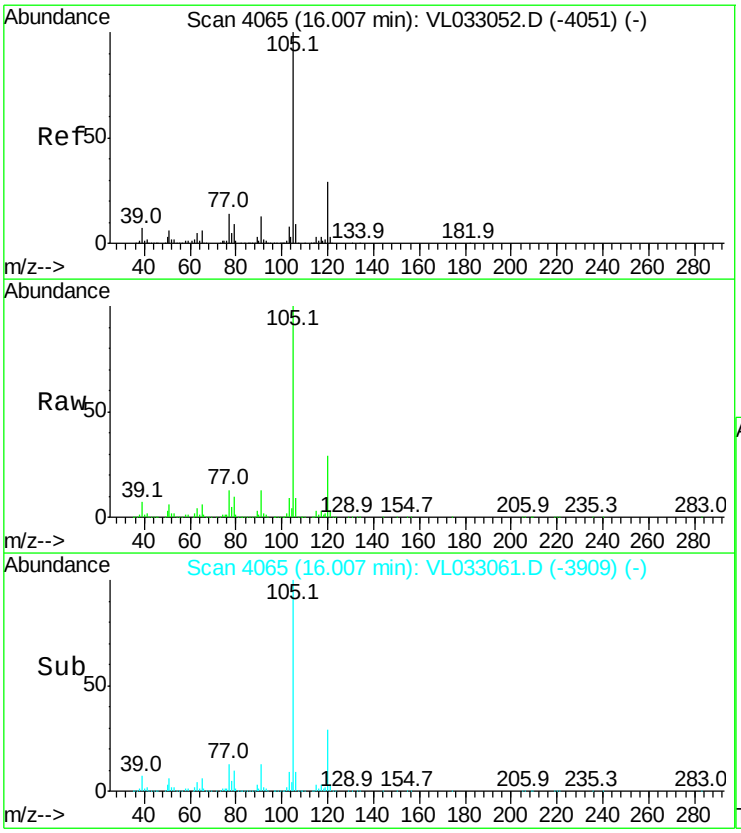
#71
2-Chlorotoluene
Concen: 7.798 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 4786403

Ion	Ratio	Lower	Upper
91	100		
126	31.0	12.4	49.6

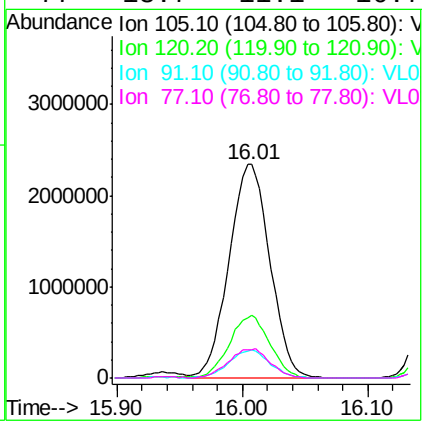


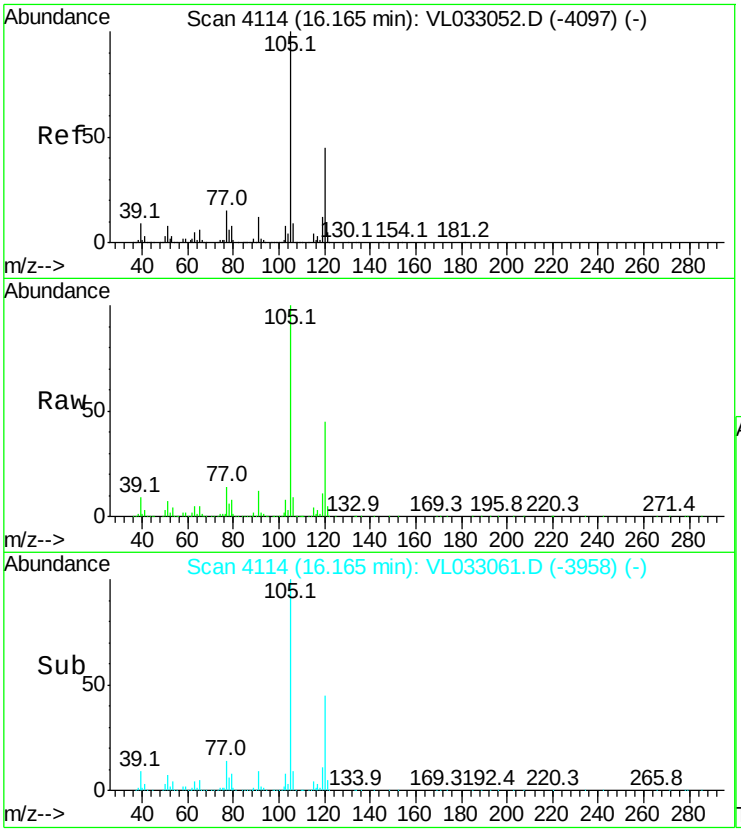


#72
4-Ethyltoluene
Concen: 7.836 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:105 Resp: 5296756

Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.0	34.6
91	13.1	10.3	15.5
77	13.7	11.1	16.7



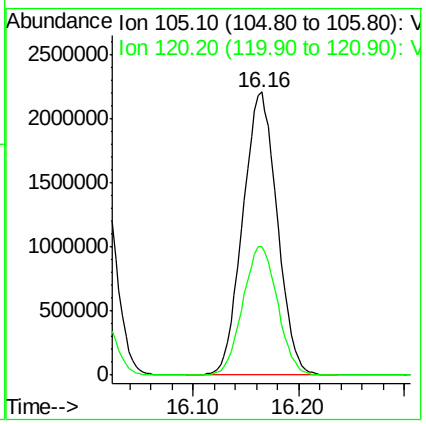


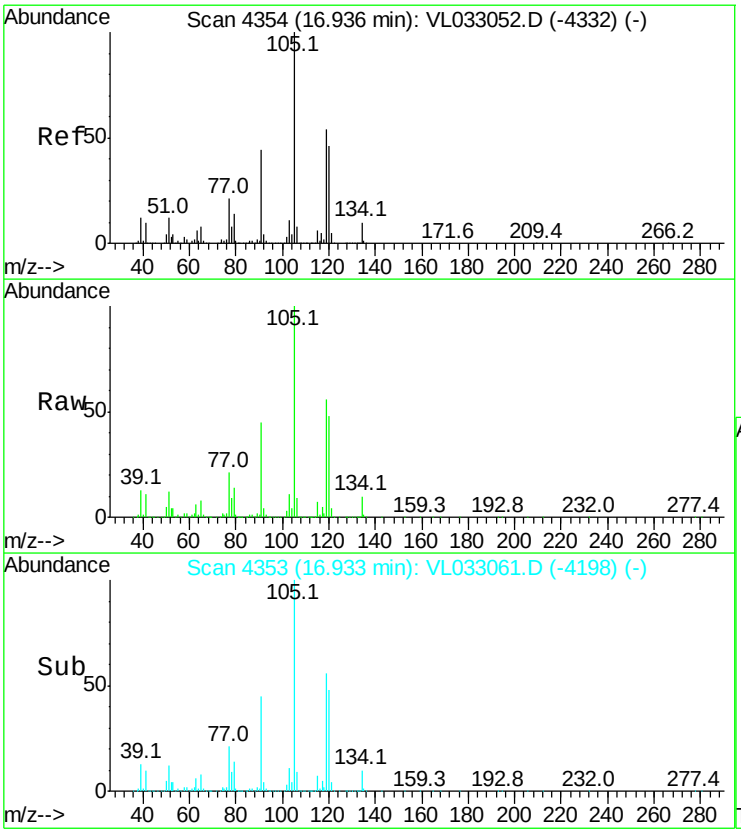
#73
1,3,5-Trimethylbenzene
Concen: 7.594 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 5010980

Ion	Ratio	Lower	Upper
105	100		
120	45.3	36.1	54.1

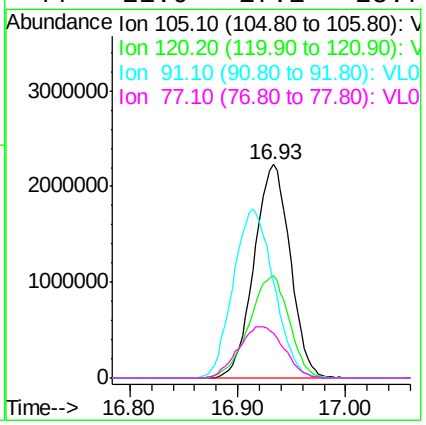


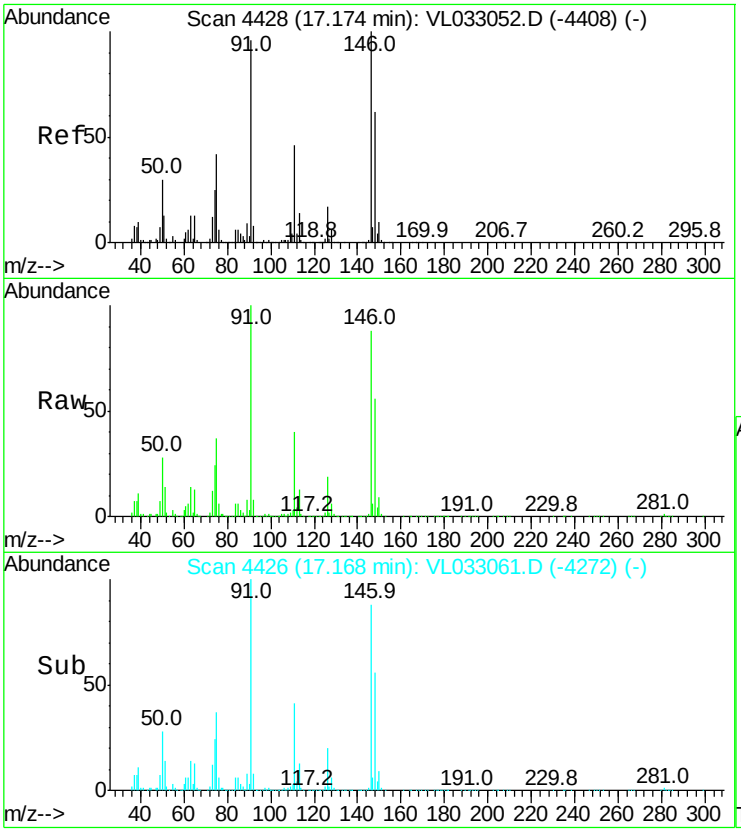


#74
1,2,4-Trimethylbenzene
Concen: 7.132 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:105 Resp: 5169124

Ion	Ratio	Lower	Upper
105	100		
120	48.0	37.0	55.4
91	45.1	35.4	53.0
77	21.0	17.1	25.7



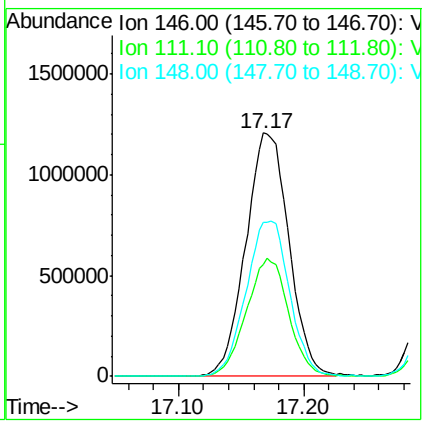


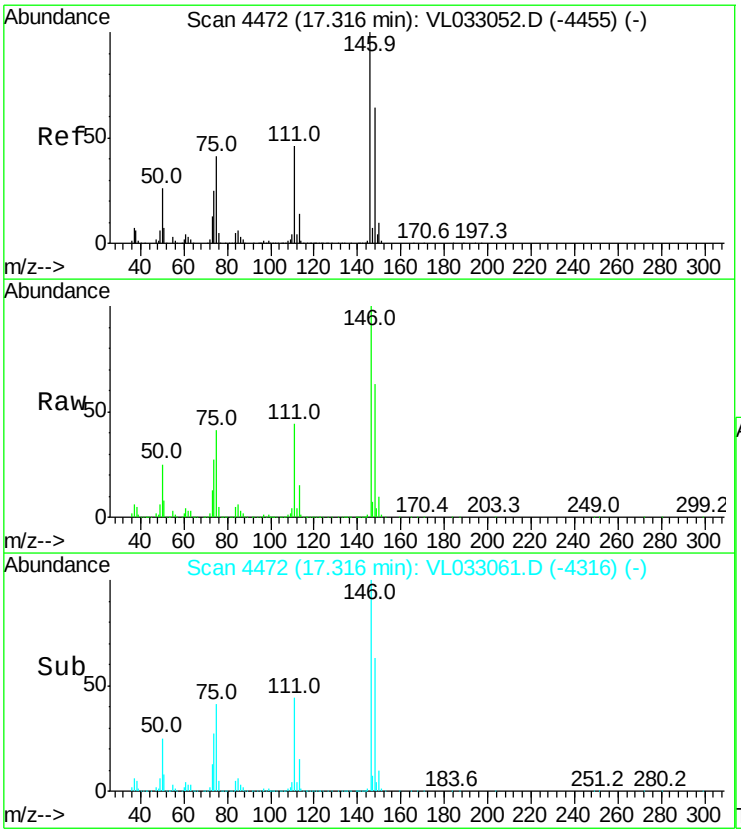
#75
1,3-Dichlorobenzene
Concen: 6.805 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.01 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 2888339

Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.4	70.2
148	64.5	32.1	96.3

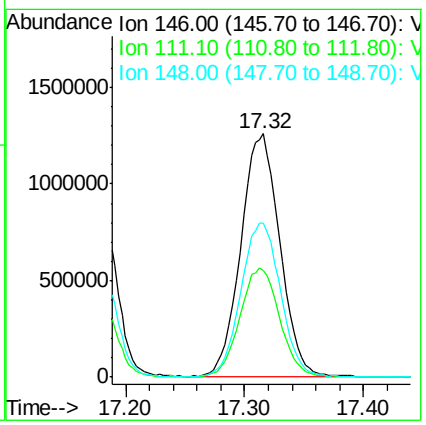


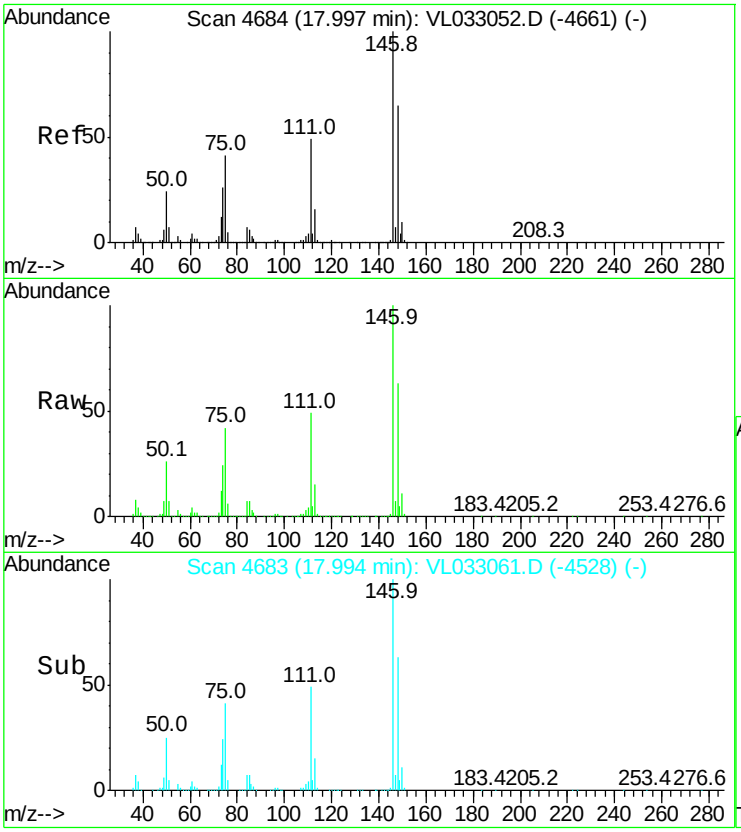


#76
1,4-Dichlorobenzene
Concen: 7.382 ppbv
RT: 17.32 min Scan# 4472
Delta R.T. 0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:146 Resp: 2850115

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.7	68.1
148	64.8	32.4	97.2



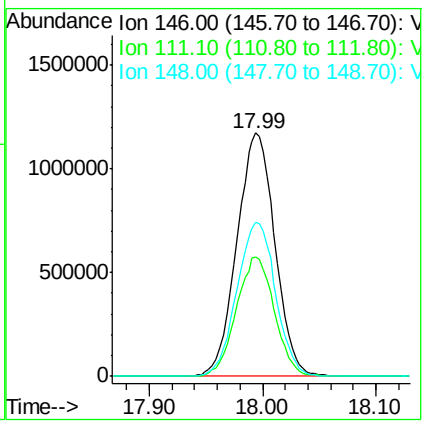


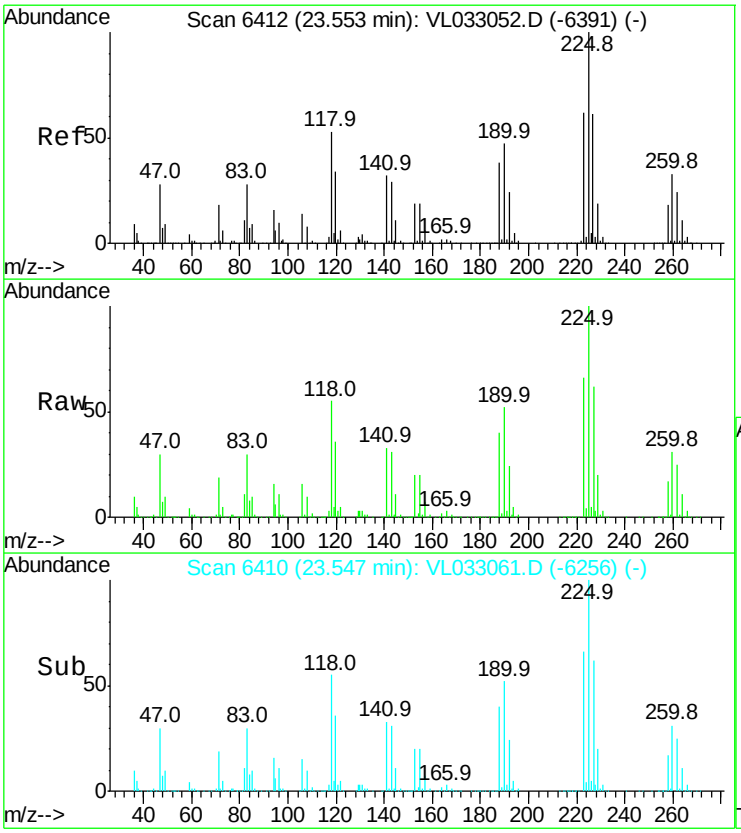
#77
1,2-Dichlorobenzene
Concen: 7.040 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 2735059

Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.4	73.2
148	64.7	32.3	96.9

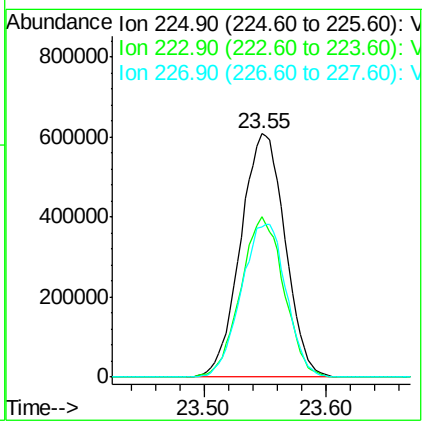


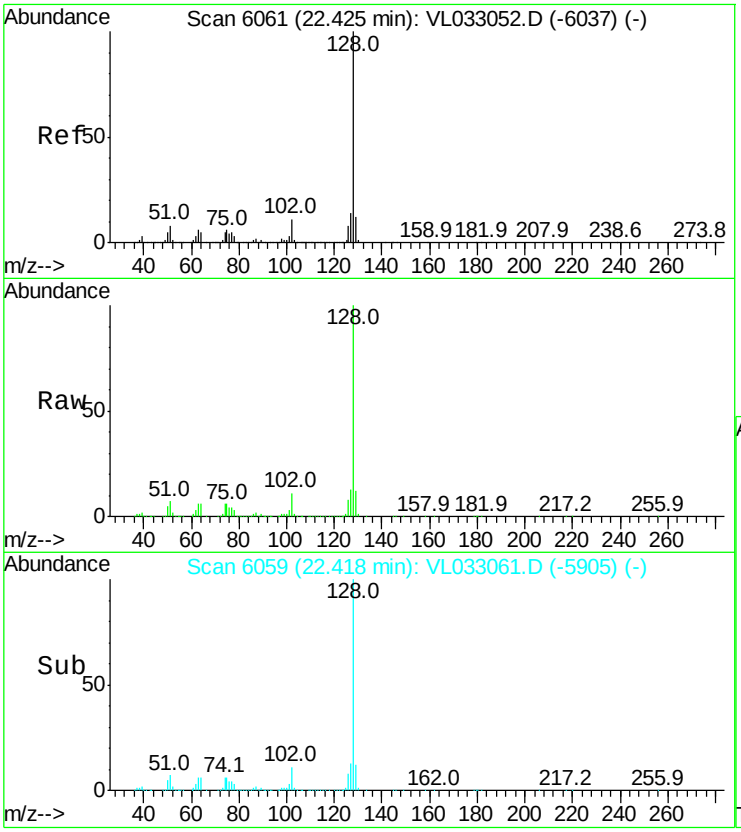


#78
Hexachloro-1,3-Butadiene
Concen: 5.622 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.01 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:225 Resp: 1535165

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.0	76.6
227	63.7	51.0	76.4



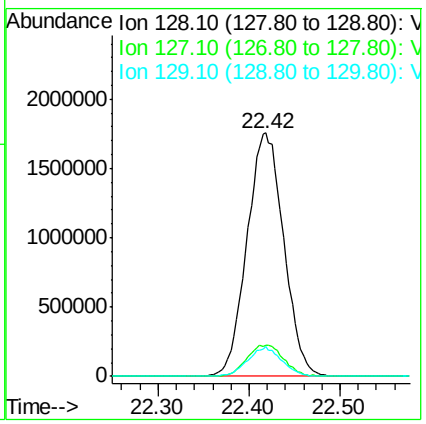


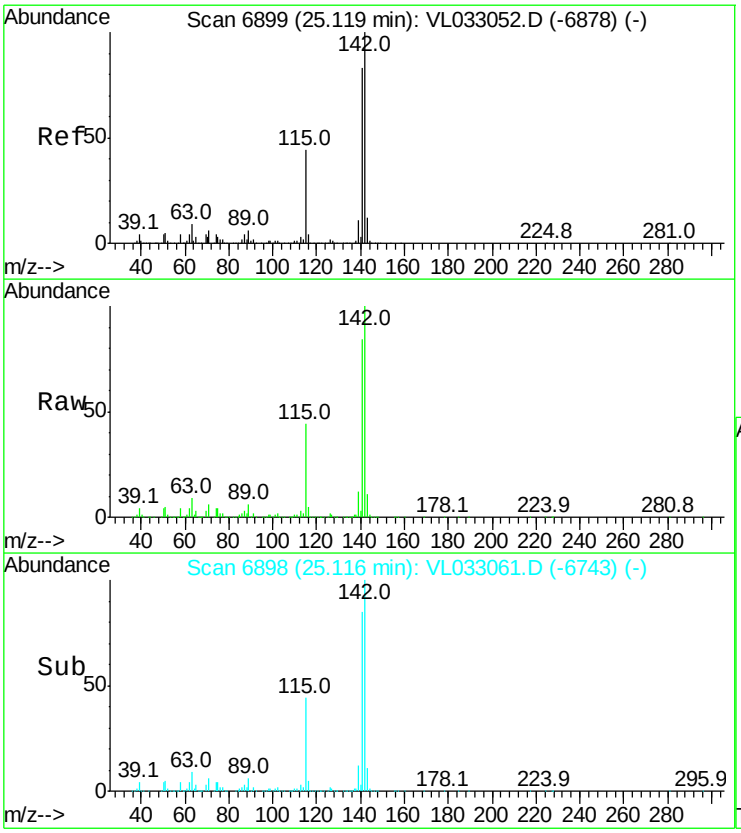
#79
Naphthalene
Concen: 7.468 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.01 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 4917133

Ion	Ratio	Lower	Upper
128	100		
127	12.8	11.0	16.6
129	12.0	9.4	14.0

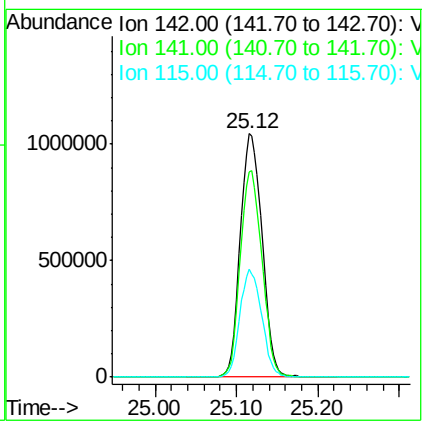


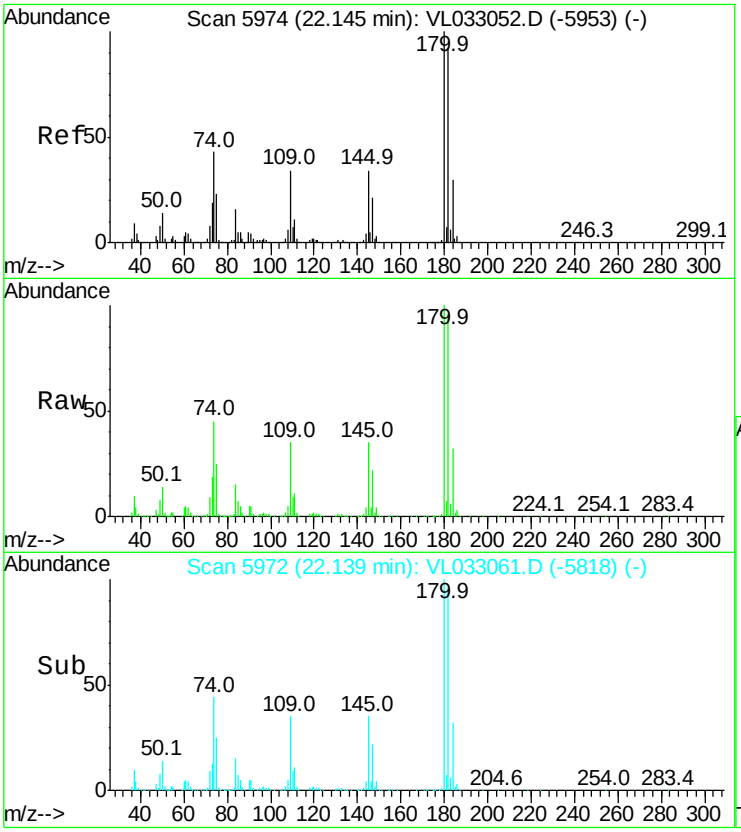


#80
Naphthalene,2-methyl-
Concen: 10.524 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Tgt Ion:142 Resp: 1921659

Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.6	103.0
115	44.4	35.6	53.4





#81
1,2,4-Trichlorobenzene
Concen: 4.399 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.01 min
Lab File: VL033061.D
Acq: 4 Jan 2019 9:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 1319135

Ion	Ratio	Lower	Upper
180	100		
182	164.7	76.1	114.1#
184	52.4	24.6	37.0#