Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033419.D
Acq On : 21 Mar 2019 12:07
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Mar 21 12:44:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	805478	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1884611	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2658272	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1838696	9.33	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1594024	11.253	ppbv	98
3) Chlorodifluoromethane	3.01	51	959629	10.380	ppbv	98
4) Chloromethane	3.17	50	501964	10.027	ppbv	96
5) Vinyl Chloride	3.29	62	497042	9.624	ppbv	96
6) Bromomethane	3.52	94	319803	10.417	ppbv	100
7) Chloroethane	3.60	64	184851	10.243	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1274953	10.573	ppbv	99
9) Propene	3.04	41	399901	9.690	ppbv	98
10) Heptane	8.25	43	1288960	12.592	ppbv	100
11) Trichlorofluoromethane	4.00	101	1484287	10.523	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	980340	10.476	ppbv	98
13) Ethanol	3.65	45	91724	4.662	ppbv	99
14) Bromoethene	3.79	108	398481	10.216	ppbv	100
15) Acetone	3.90	43	904964	7.228	ppbv	100
16) 1,3-Butadiene	3.36	39	462255	11.366	ppbv	89
17) tert-Butyl alcohol	4.36	59	172083	9.766	ppbv	100
18) 1,1-Dichloroethene	4.35	96	437843	10.232	ppbv	99
19) Isopropyl Alcohol	4.02	45	616072	10.344	ppbv	99
20) Methylene Chloride	4.41	84	361228	8.846	ppbv	97
21) Allyl Chloride	4.48	41	662319	10.904	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	524783	12.655	ppbv	99
23) Vinyl Acetate	5.16	43	1735727	11.981	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1248105	11.929	ppbv	99
25) Ethyl Acetate	5.77	43	2159438	11.864	ppbv	100
26) Hexane	5.78	57	948224	11.653	ppbv	98
27) Carbon Disulfide	4.62	76	1049414	11.203	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1441309	11.925	ppbv	99
29) Chloroform	5.85	83	1618127	12.145	ppbv	99
30) Cyclohexane	7.25	84	812817	12.459	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	996495	12.248	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	1640849	12.543	ppbv	99
34) 2-Butanone	5.33	43	1389730	11.228	ppbv	99
35) Carbon Tetrachloride	7.14	117	1710948	12.877	ppbv	99
36) Benzene	7.01	78	1999342	11.854	ppbv	97
37) 1,2-Dichloroethane	6.42	62	1267788	11.888	ppbv	99
38) Trichloroethene	7.96	130	784397	12.290	ppbv	95
39) 1,2-Dichloropropane	7.74	63	768874	12.173	ppbv	97
40) 1,4-Dioxane	7.95	88	143623	6.457	ppbv #	1
41) Tetrahydrofuran	6.15	42	798131	12.084	ppbv	99
42) Bromodichloromethane	7.92	83	1817725	12.713	ppbv	97
43) Methyl Methacrylate	8.14	69	828563	12.617	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033419.D
Acq On : 21 Mar 2019 12:07
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Mar 21 12:44:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3402822	12.181	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1093624	13.488	ppbv		98
46) cis-1,3-Dichloropropene	8.84	75	1249472	13.087	ppbv		100
47) 1,1,2-Trichloroethane	9.61	97	843431	12.086	ppbv		93
48) Dibromochloromethane	10.46	129	1545815	13.208	ppbv		99
49) Bromoform	13.20	173	1803131	16.241	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	2115559	12.101	ppbv		99
51) 2-Hexanone	10.27	43	1661886	12.321	ppbv	#	98
52) Tetrachloroethene	11.38	164	1002635	14.269	ppbv		98
53) Toluene	9.95	91	2374914	12.392	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1350595	11.448	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.28	131	1438105	12.094	ppbv		95
57) Chlorobenzene	12.31	112	2357126	11.196	ppbv		99
58) Ethyl Benzene	12.87	91	4475983	11.903	ppbv		98
59) m/p-Xylene	13.13	91	4110902	12.720	ppbv	#	100
60) o-Xylene	13.85	91	3754905	11.910	ppbv		100
61) Styrene	13.69	104	2706065	12.259	ppbv		99
62) Isopropylbenzene	14.83	105	4980227	11.362	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2584575	11.340	ppbv		100
64) n-propylbenzene	15.72	120	1276686	11.511	ppbv		99
65) tert-Butylbenzene	16.91	119	4518276	11.450	ppbv		100
66) Benzyl Chloride	17.16	91	2217783	13.600	ppbv		99
67) sec-Butylbenzene	17.46	105	6459690	11.552	ppbv		100
69) p-Isopropyltoluene	17.82	119	5307510	11.618	ppbv		99
70) n-Butylbenzene	18.72	91	5647311	11.593	ppbv		100
71) 2-Chlorotoluene	15.62	91	3859337	11.311	ppbv		100
72) 4-Ethyltoluene	16.00	105	4133598	11.545	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3987128	11.431	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	4147995	11.229	ppbv		99
75) 1,3-Dichlorobenzene	17.17	146	2371427	10.892	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	2368812	11.237	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	2339434	11.345	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	1306033	10.564	ppbv		99
79) Naphthalene	22.42	128	2860913	8.037	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	1076868	6.380	ppbv		98
81) 1,2,4-Trichlorobenzene	22.14	180	1497457	8.249	ppbv		100

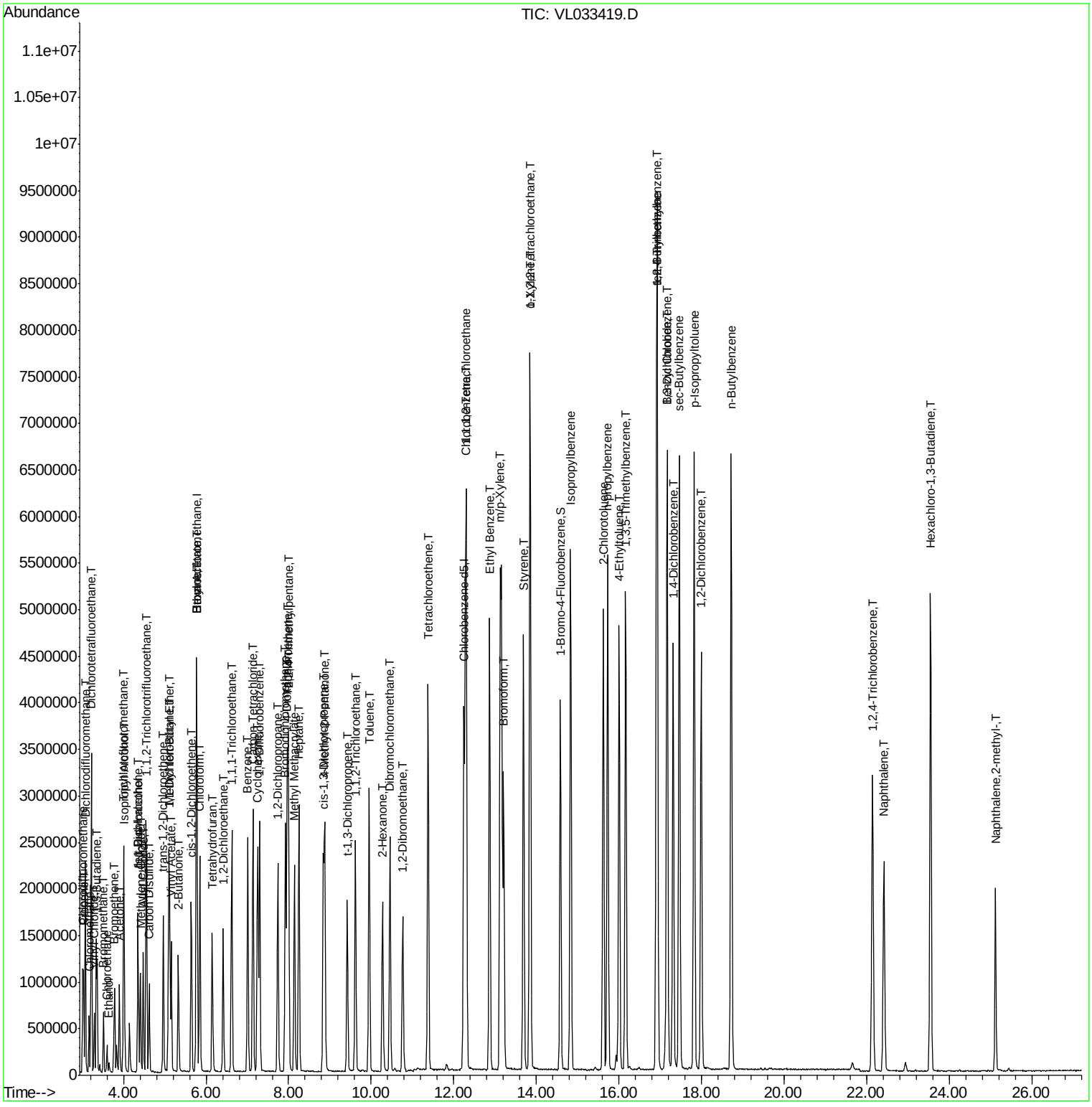
(#) = qualifier out of range (m) = manual integration (+) = signals summed

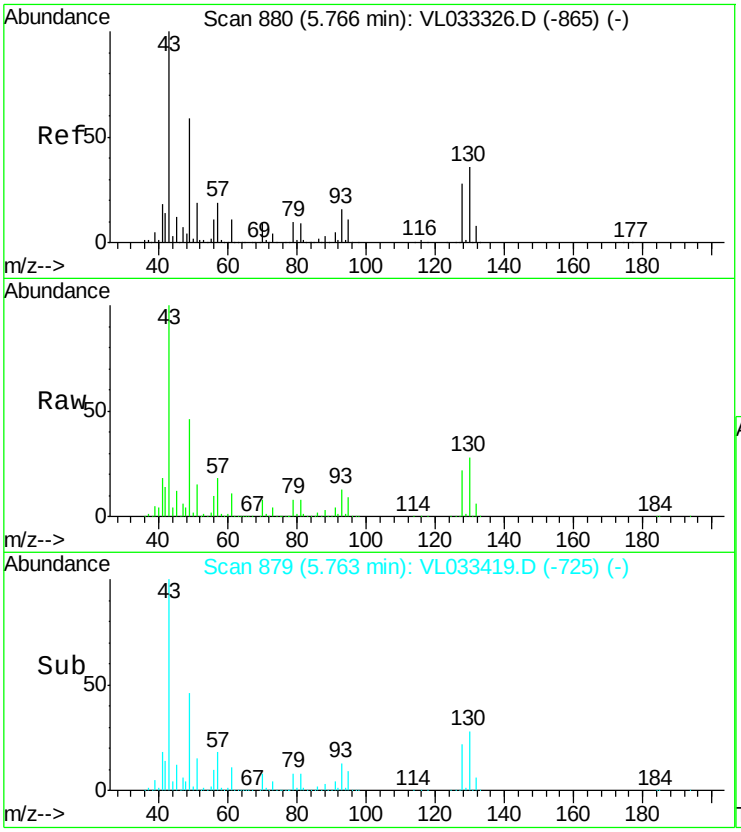
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033419.D
Acq On : 21 Mar 2019 12:07
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Mar 21 12:44:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



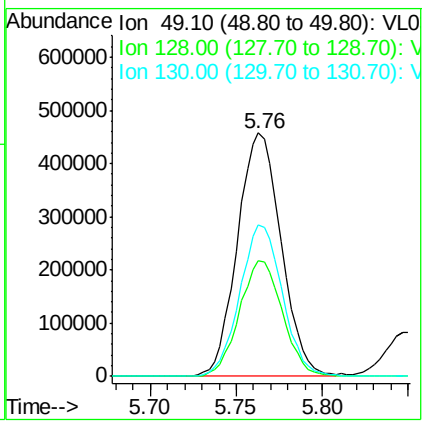


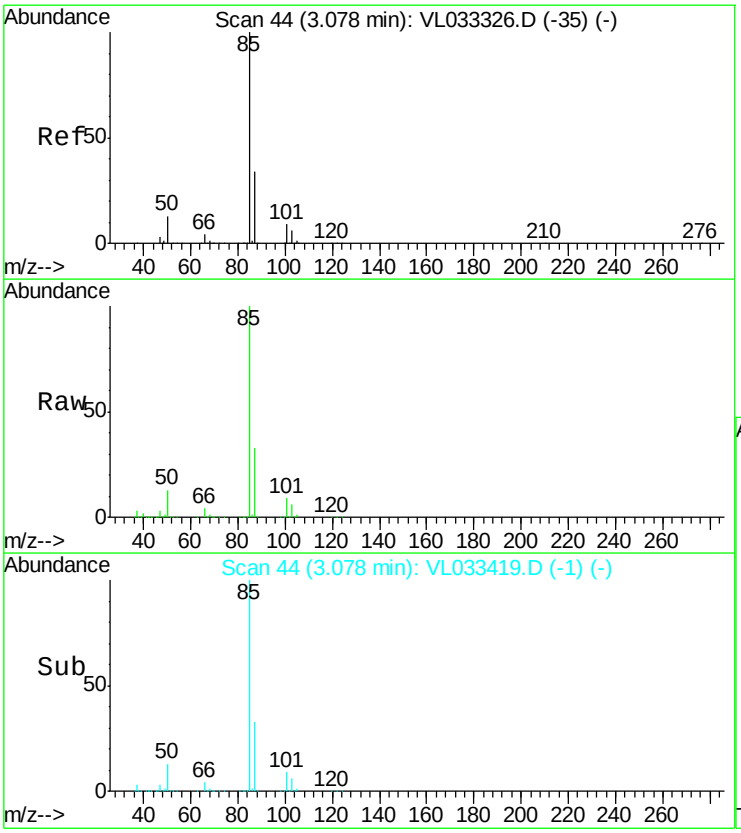
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 805478

Ion	Ratio	Lower	Upper
49	100		
128	46.9	23.5	70.6
130	60.8	30.1	90.3

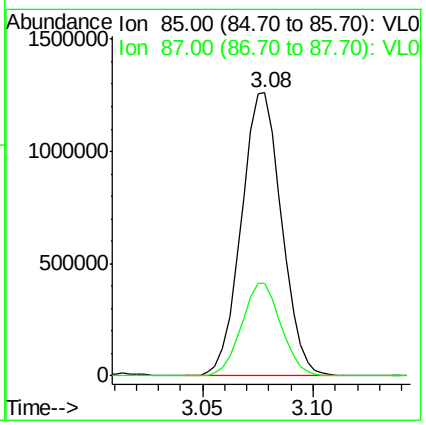


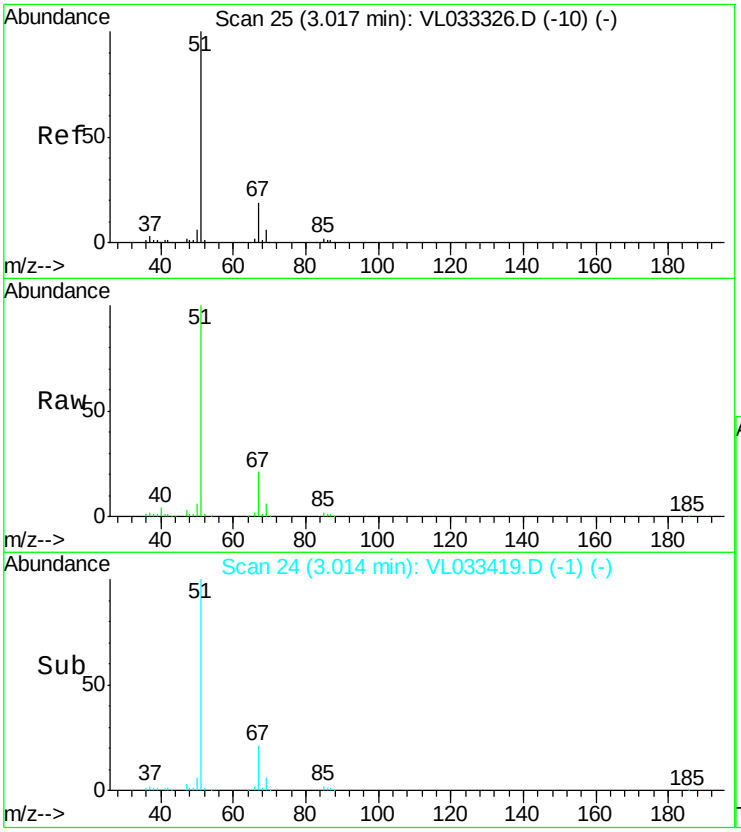


#2
Dichlorodifluoromethane
Concen: 11.253 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 85 Resp: 1594024

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.9	40.3



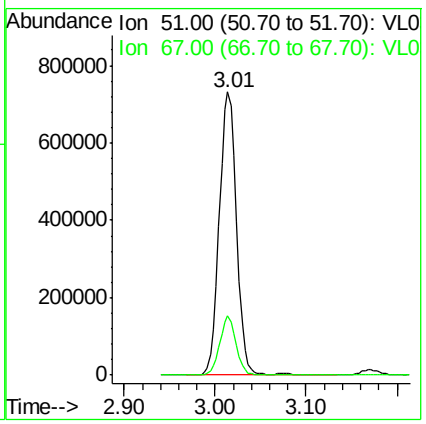


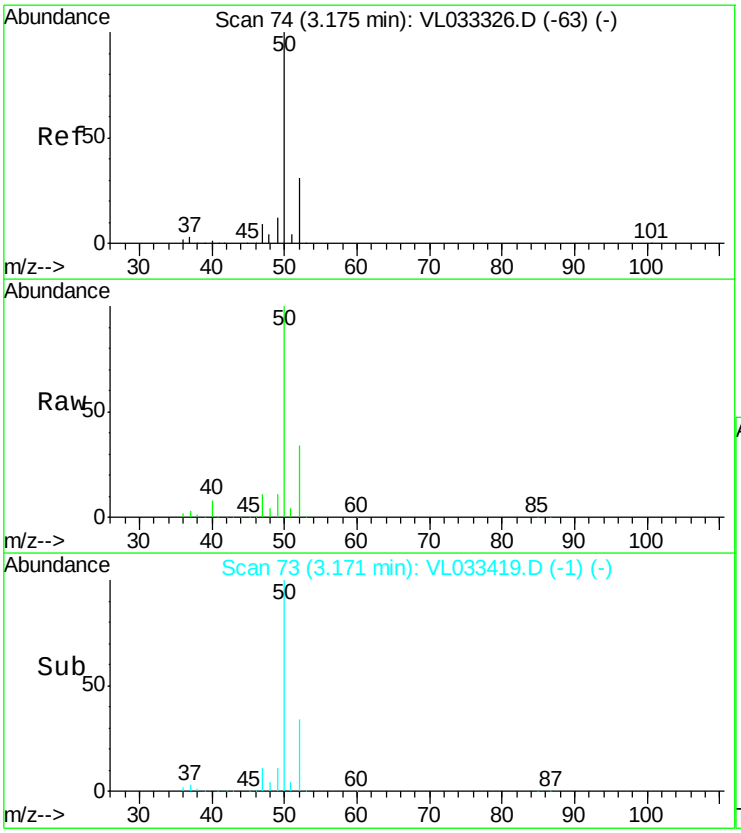
#3
Chlorodifluoromethane
Concen: 10.380 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 51 Resp: 959629

Ion	Ratio	Lower	Upper
51	100		
67	19.5	14.9	22.3

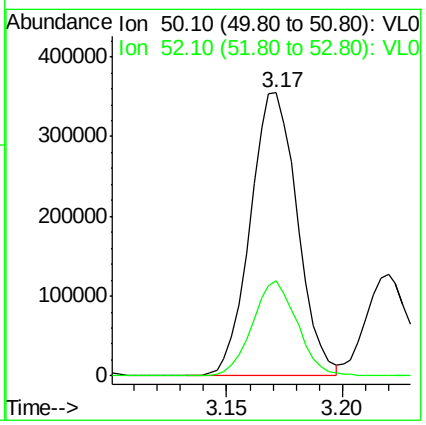


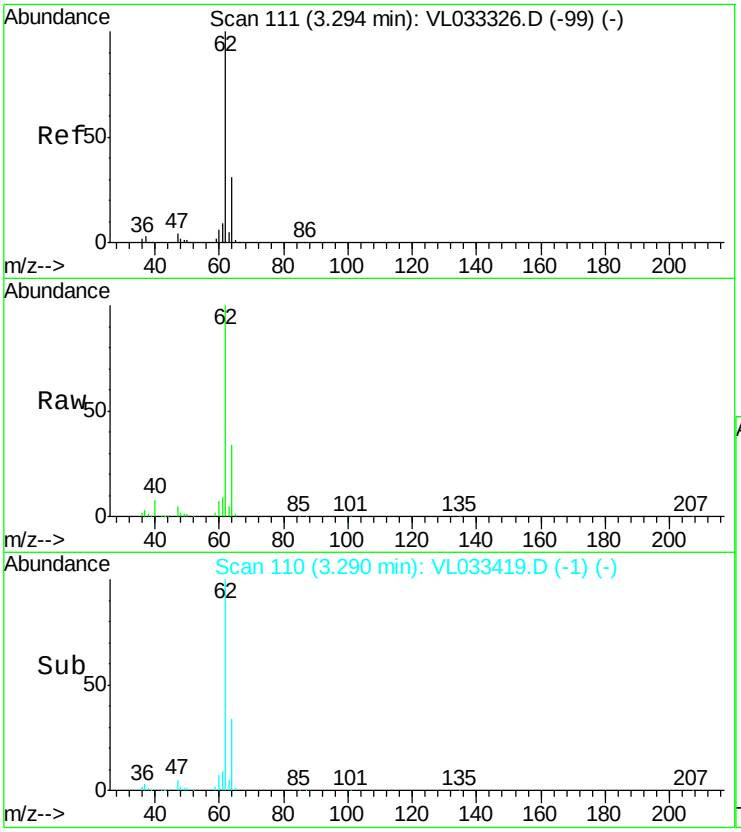


#4
Chloromethane
Concen: 10.027 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 50 Resp: 501964

Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.0	37.6



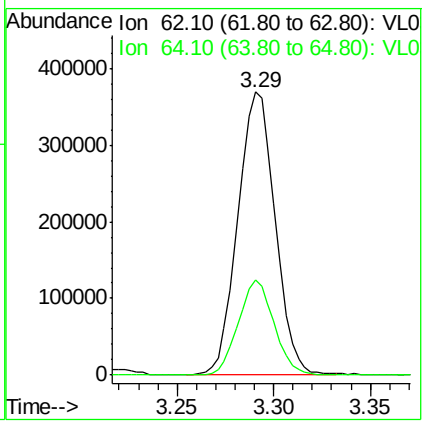


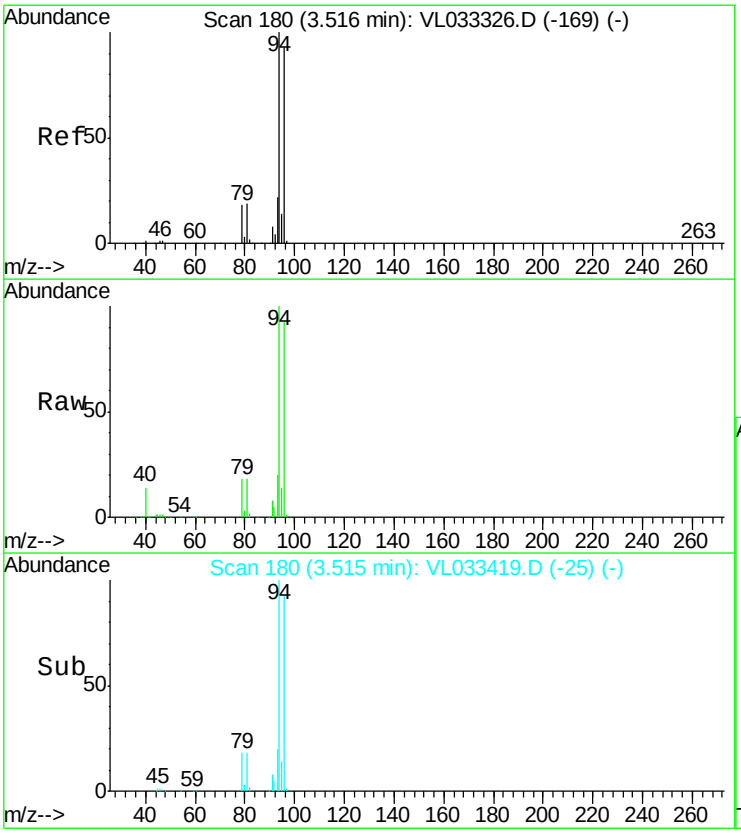
#5
Vinyl Chloride
Concen: 9.624 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 497042

Ion	Ratio	Lower	Upper
62	100		
64	33.7	25.0	37.6

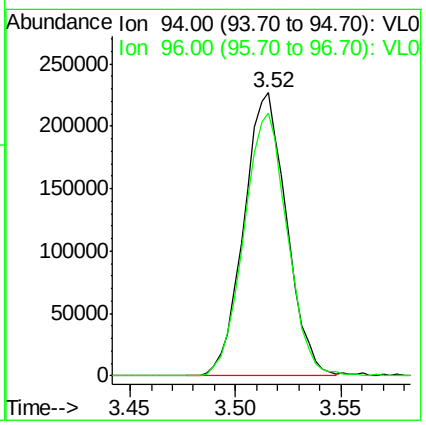


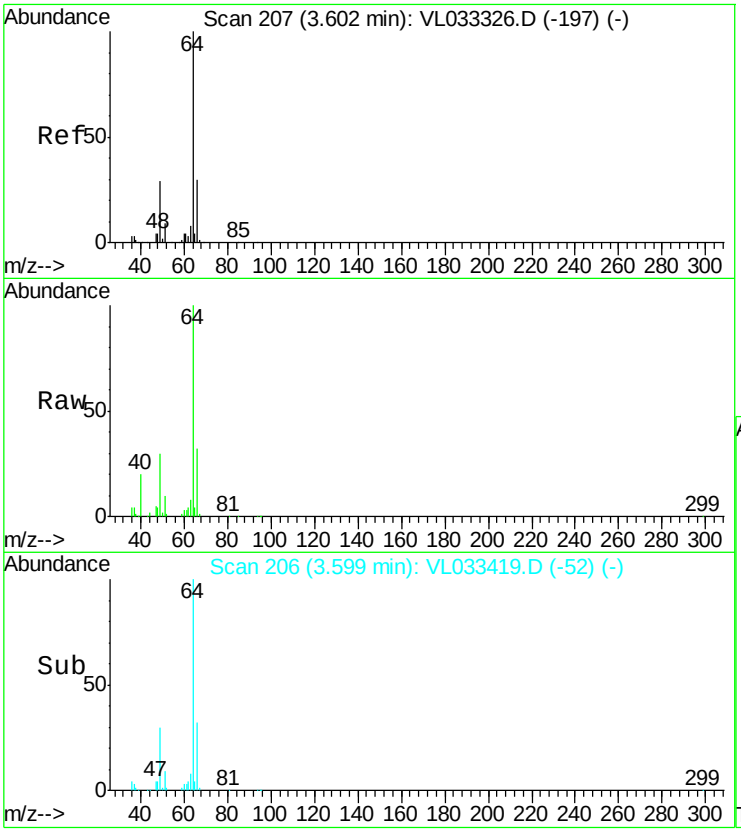


#6
Bromomethane
Concen: 10.417 ppbv
RT: 3.52 min Scan# 180
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 94 Resp: 319803

Ion	Ratio	Lower	Upper
94	100		
96	92.8	74.6	111.8



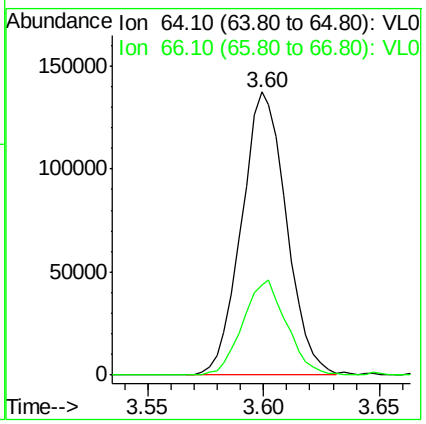


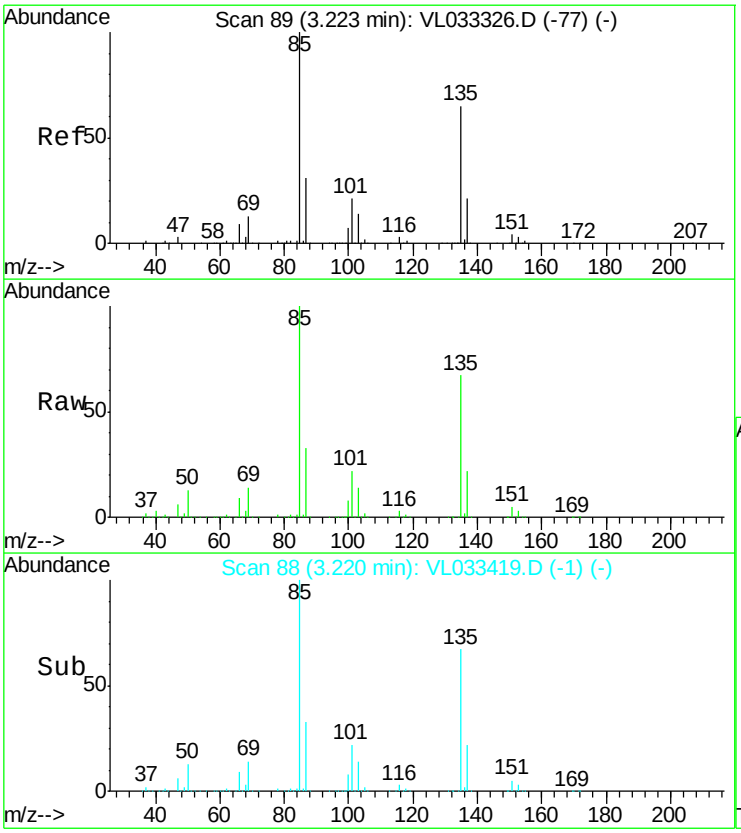
#7
Chloroethane
Concen: 10.243 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 184851

Ion	Ratio	Lower	Upper
64	100		
66	32.0	24.0	36.0

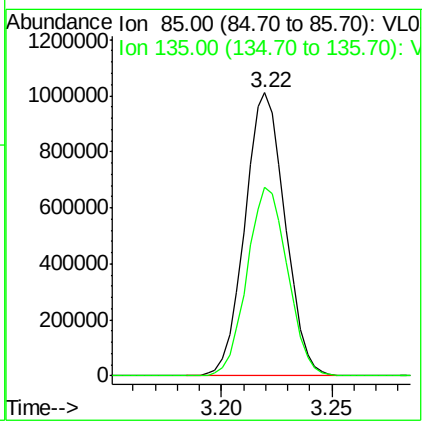


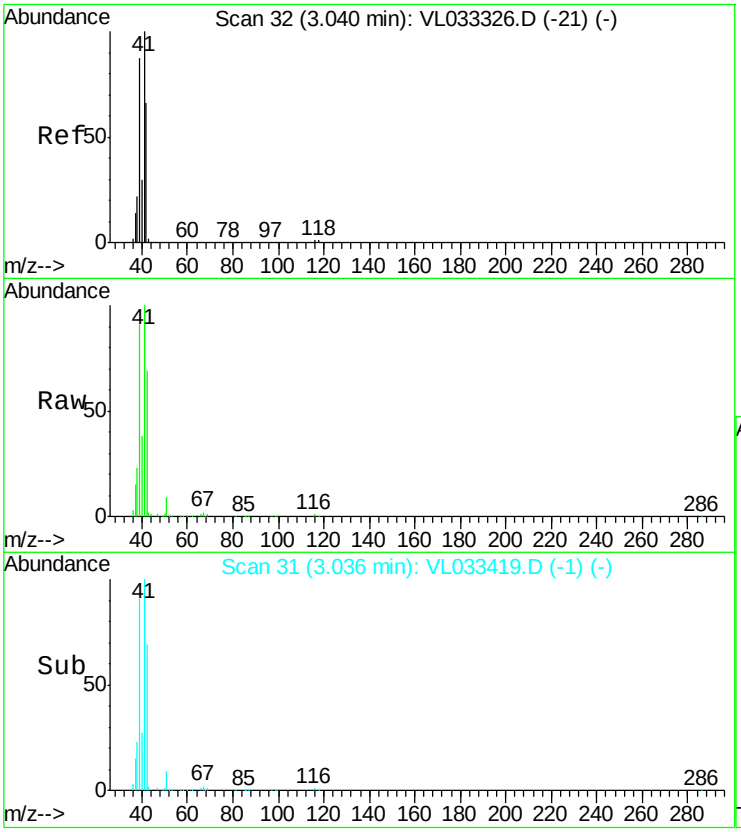


#8
Dichlorotetrafluoroethane
Concen: 10.573 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 85 Resp: 1274953

Ion	Ratio	Lower	Upper
85	100		
135	67.5	53.4	80.2



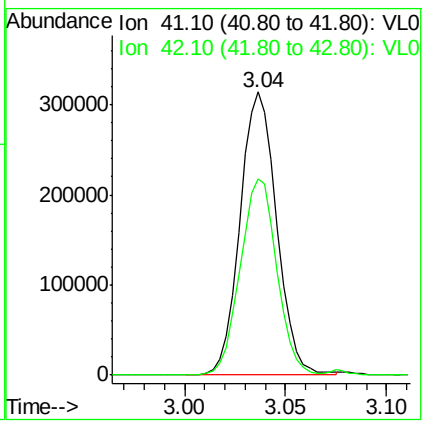


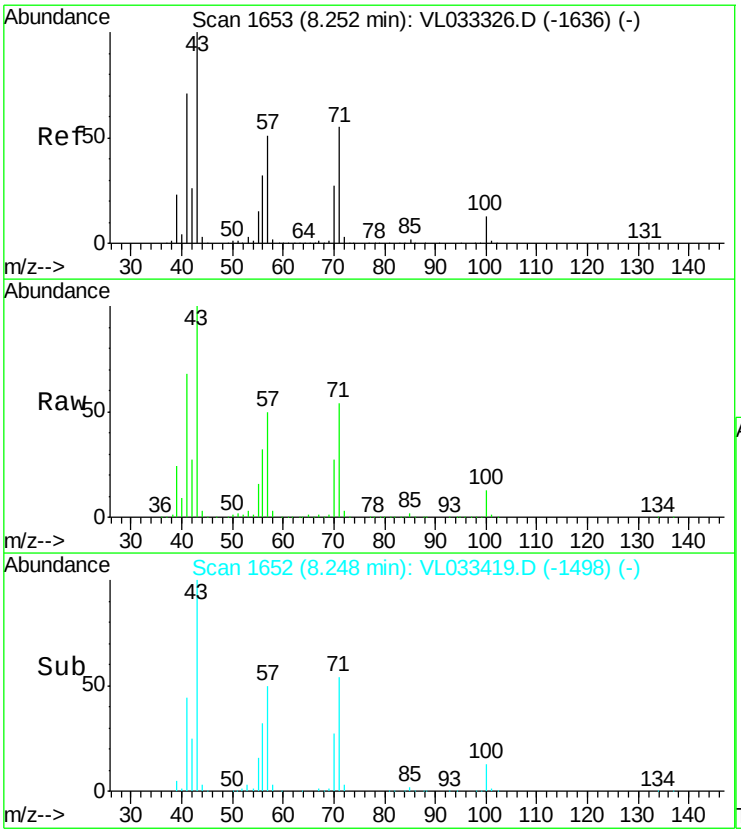
#9
Propene
Concen: 9.690 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 399901

Ion	Ratio	Lower	Upper
41	100		
42	70.6	55.2	82.8

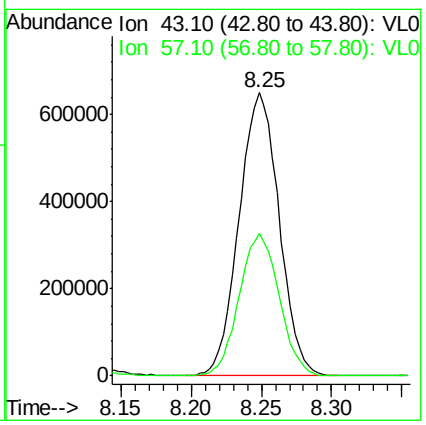


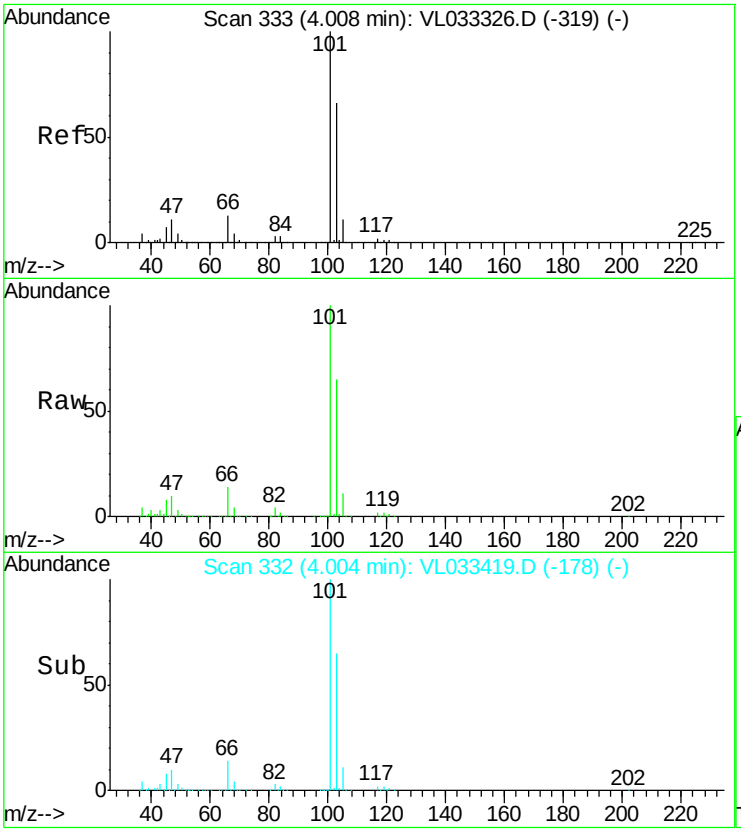


#10
Heptane
Concen: 12.592 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 43 Resp: 1288960

Ion	Ratio	Lower	Upper
43	100		
57	50.4	40.4	60.6



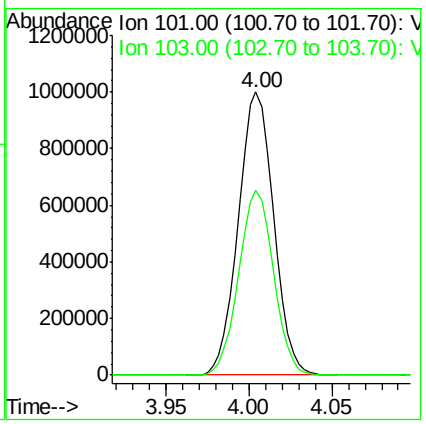


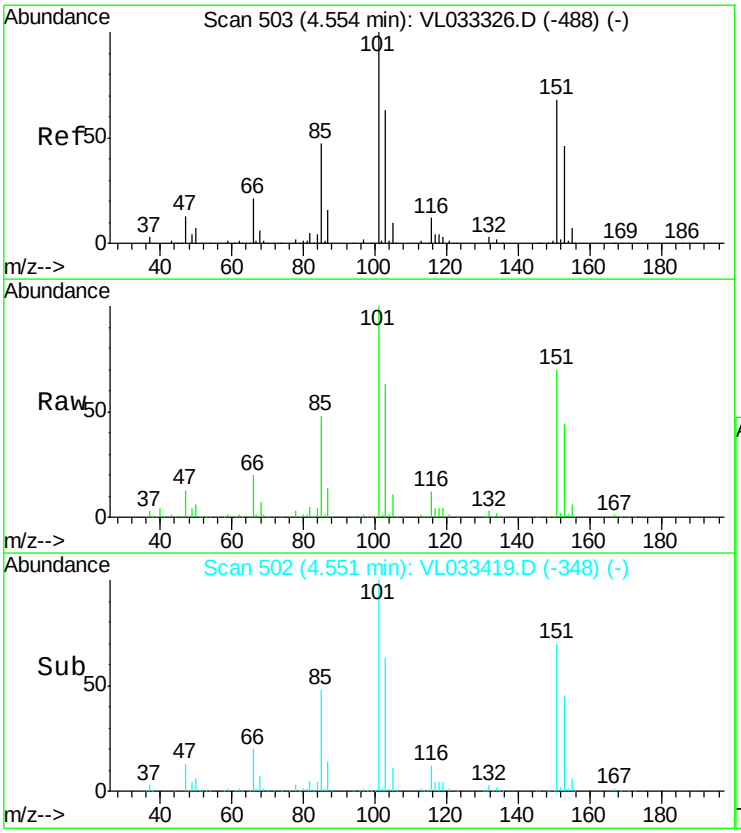
#11
Trichlorofluoromethane
Concen: 10.523 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:101 Resp: 1484287

Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.9	79.3

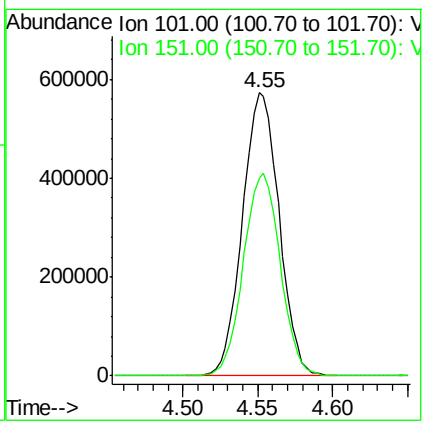


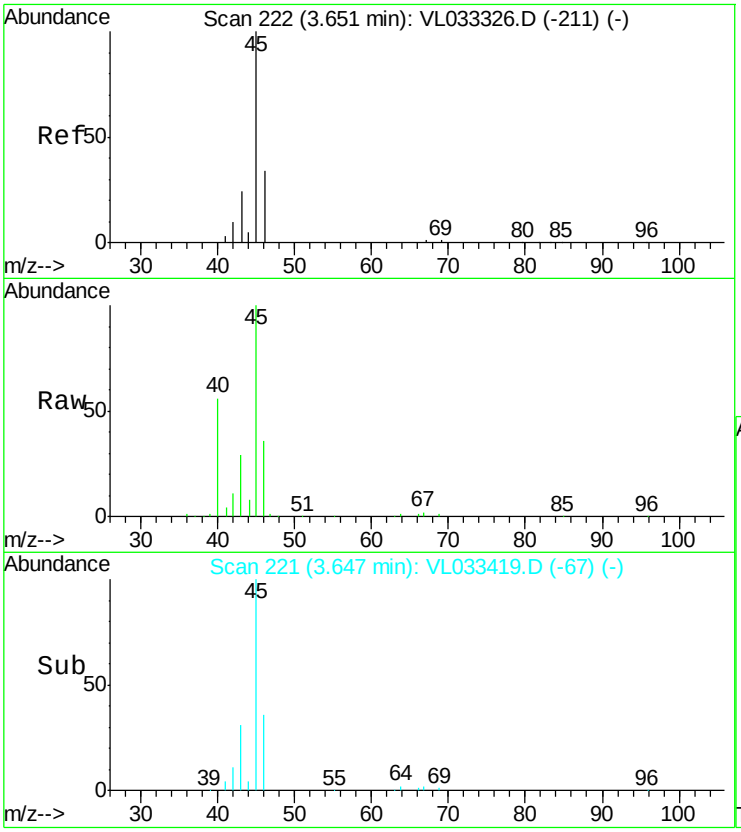


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.476 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:101 Resp: 980340

Ion	Ratio	Lower	Upper
101	100		
151	71.8	56.3	84.5



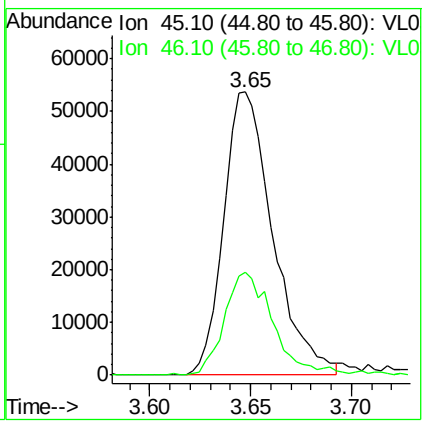


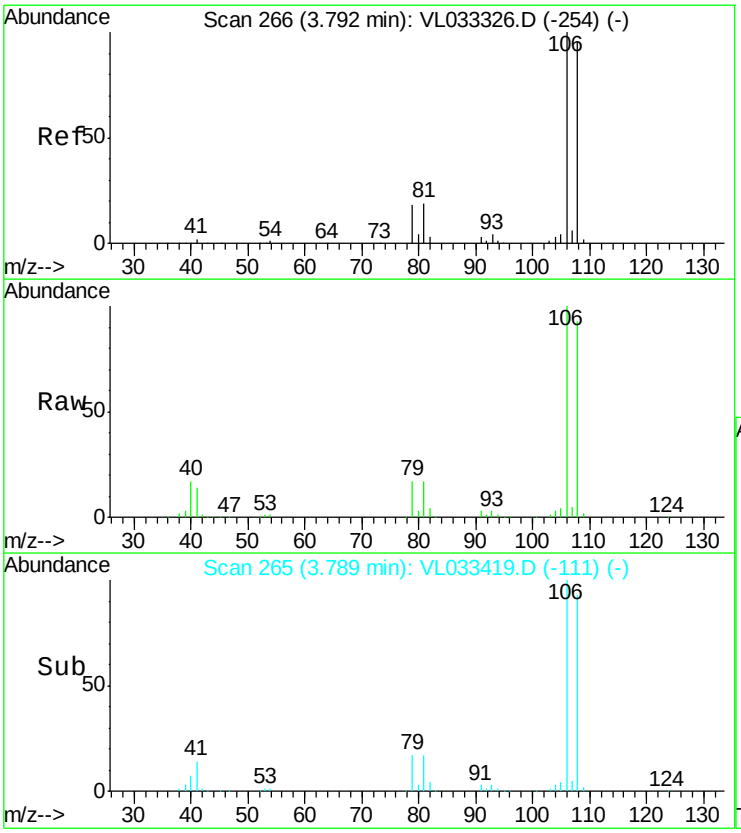
#13
Ethanol
Concen: 4.662 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 91724

Ion	Ratio	Lower	Upper
45	100		
46	36.7	14.9	59.7

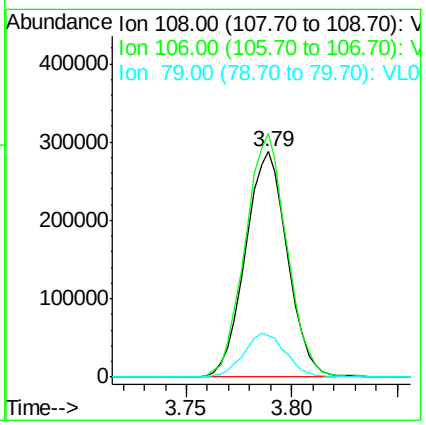


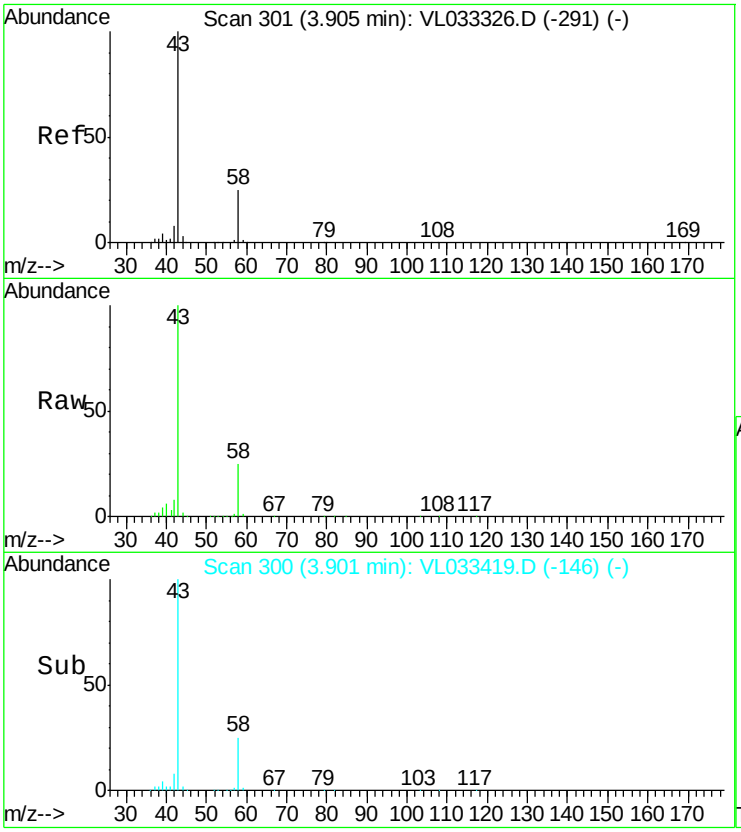


#14
Bromoethene
Concen: 10.216 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:108 Resp: 398481

Ion	Ratio	Lower	Upper
108	100		
106	108.1	86.2	129.2
79	19.7	15.4	23.2



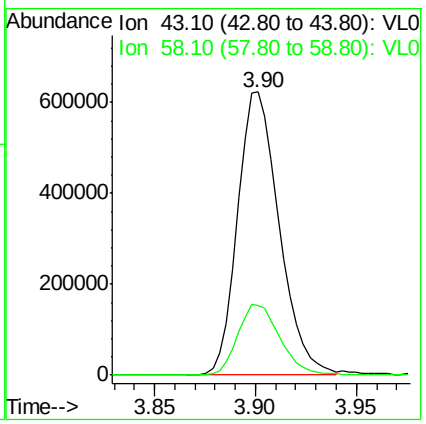


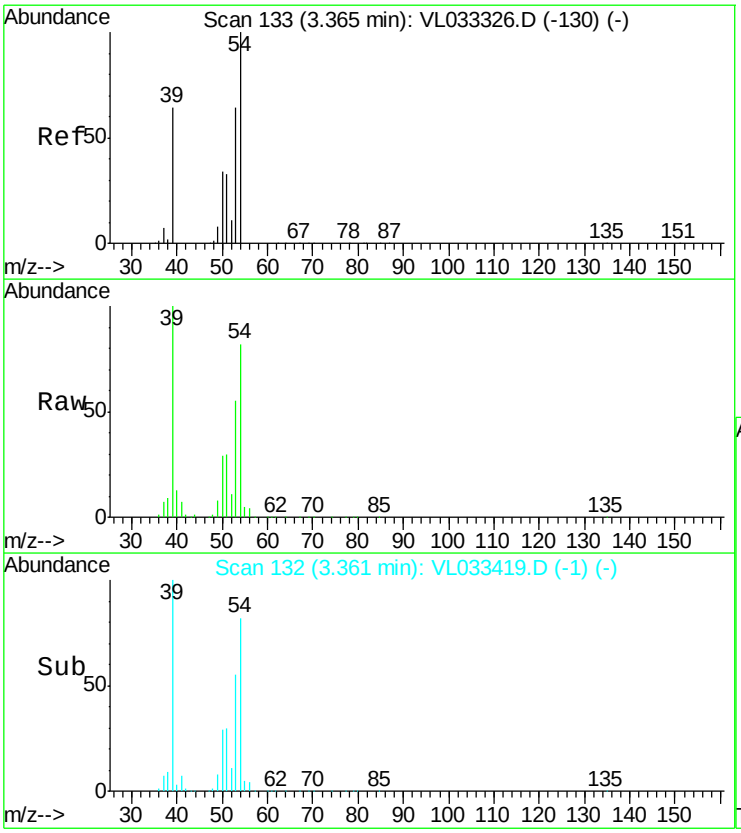
#15
Acetone
Concen: 7.228 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 904964

Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.4	30.6

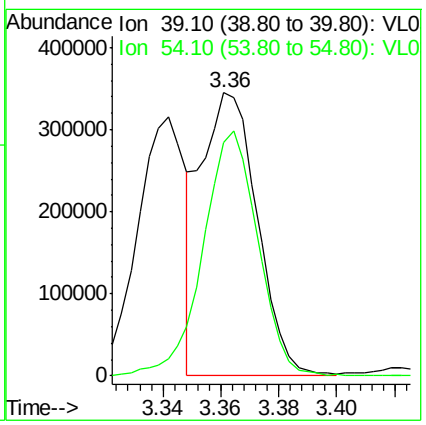


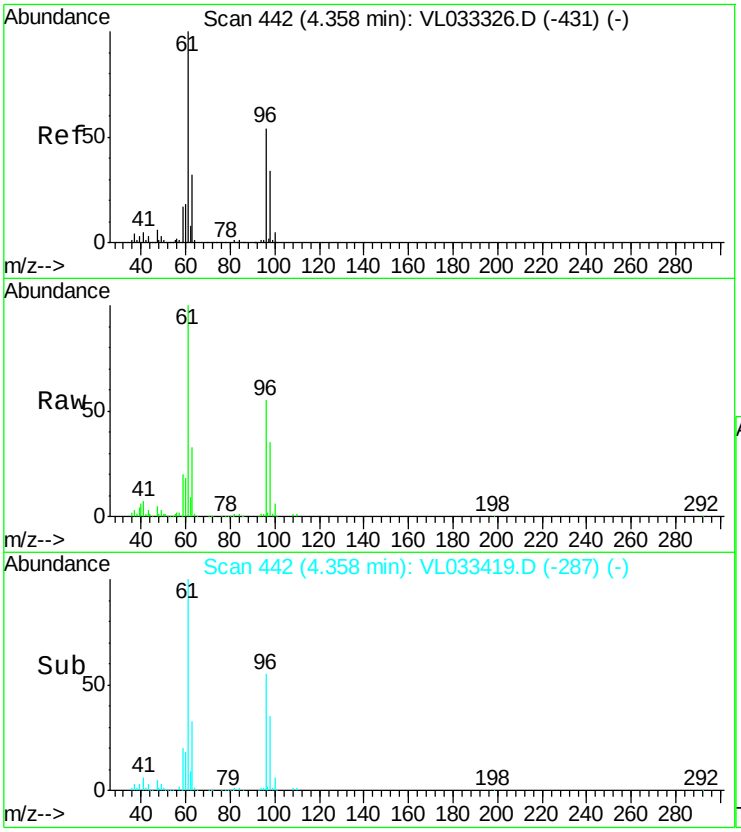


#16
1,3-Butadiene
Concen: 11.366 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 39 Resp: 462255

Ion	Ratio	Lower	Upper
39	100		
54	85.4	76.8	115.2



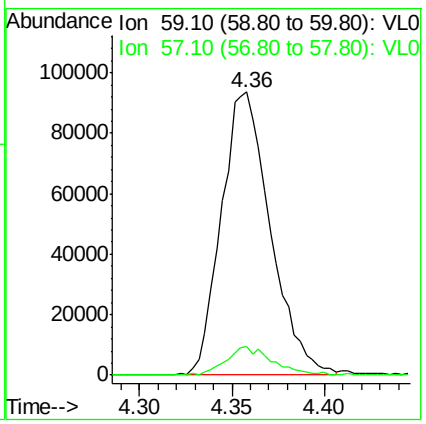


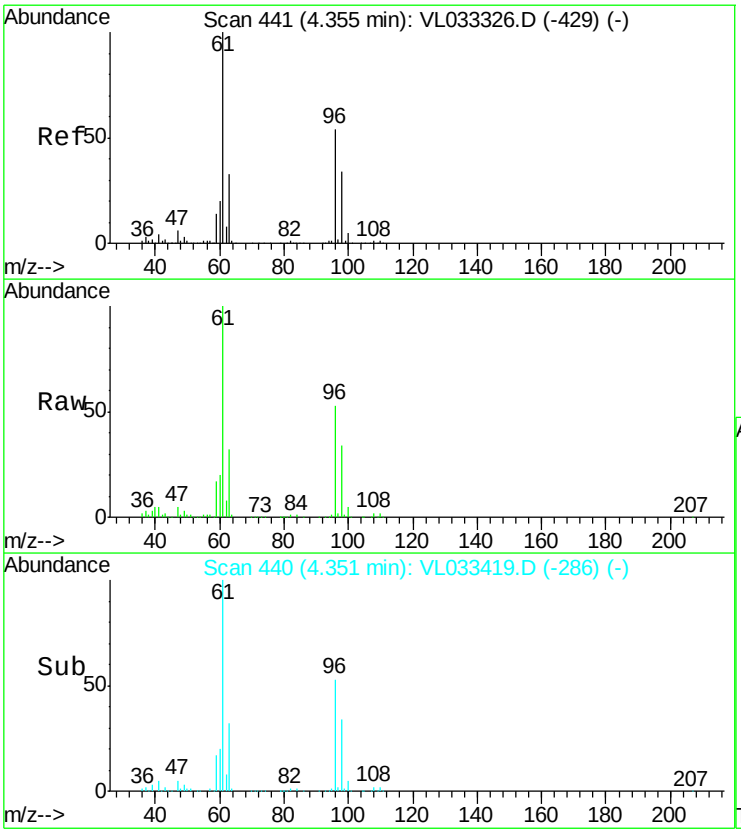
#17
tert-Butyl alcohol
Concen: 9.766 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 172083

Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.7	11.5

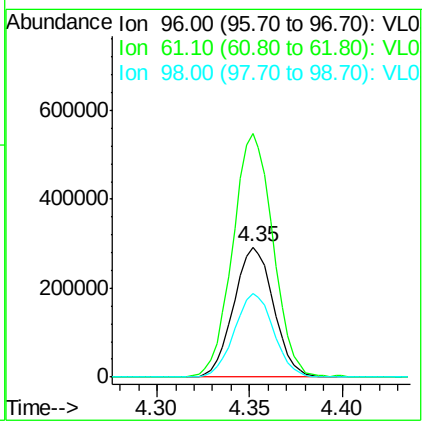


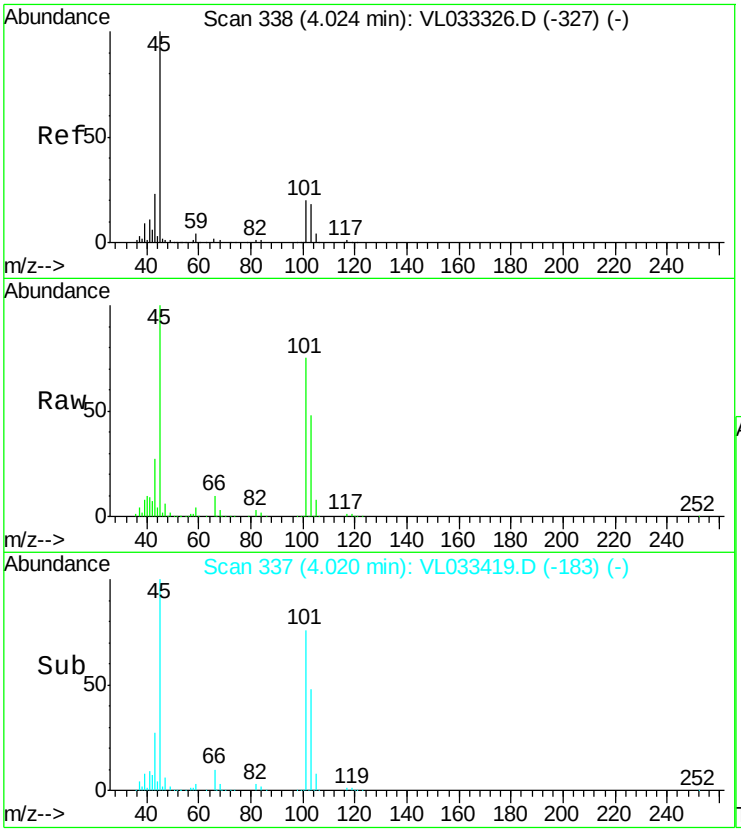


#18
1,1-Dichloroethene
Concen: 10.232 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 96 Resp: 437843

Ion	Ratio	Lower	Upper
96	100		
61	186.7	148.6	222.8
98	63.8	50.3	75.5



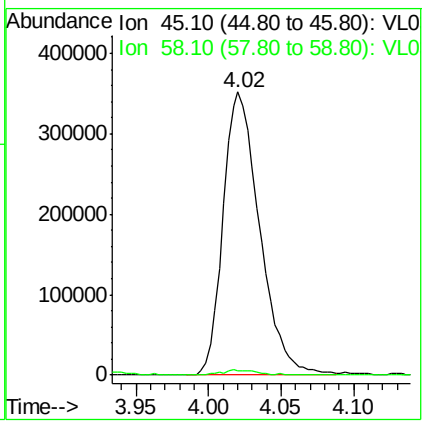


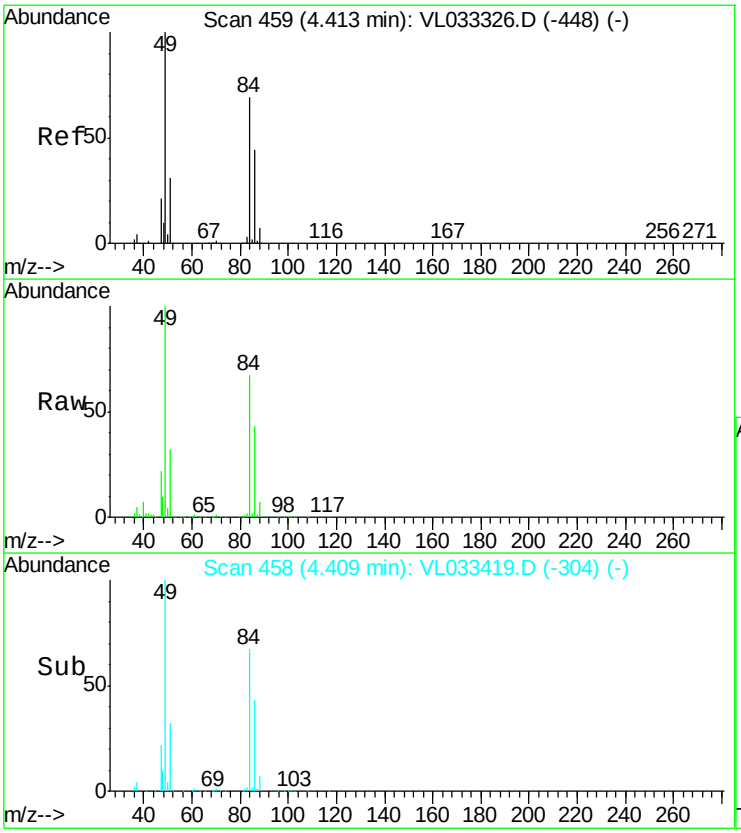
#19
Isopropyl Alcohol
Concen: 10.344 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 616072

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.5	2.3

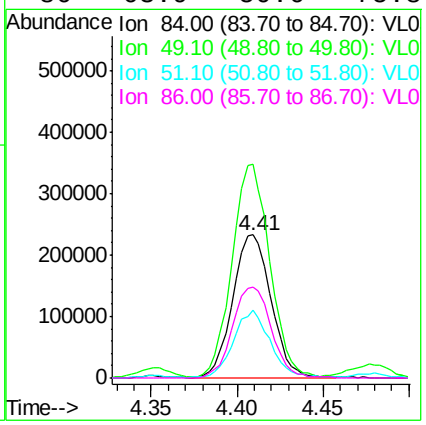


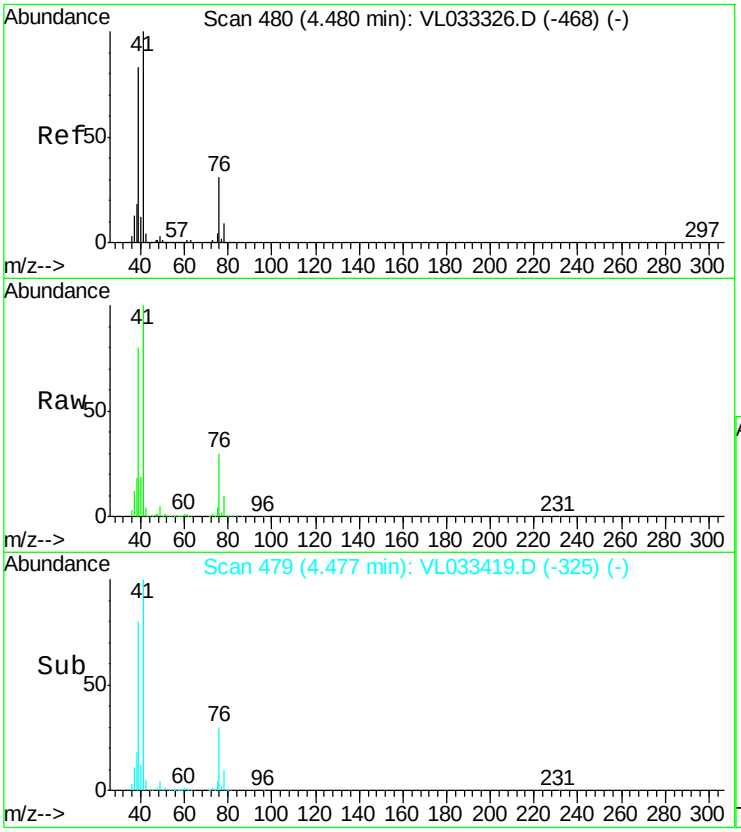


#20
Methylene Chloride
Concen: 8.846 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 84 Resp: 361228

Ion	Ratio	Lower	Upper
84	100		
49	148.5	115.4	173.0
51	47.2	35.8	53.6
86	63.9	50.6	75.8



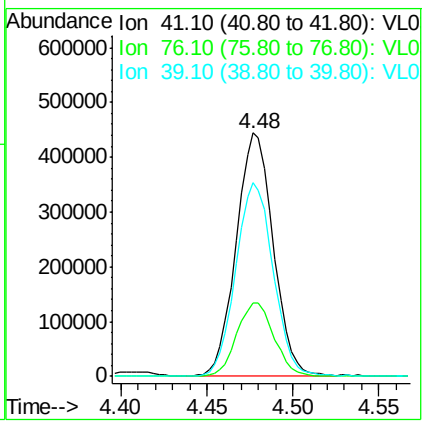


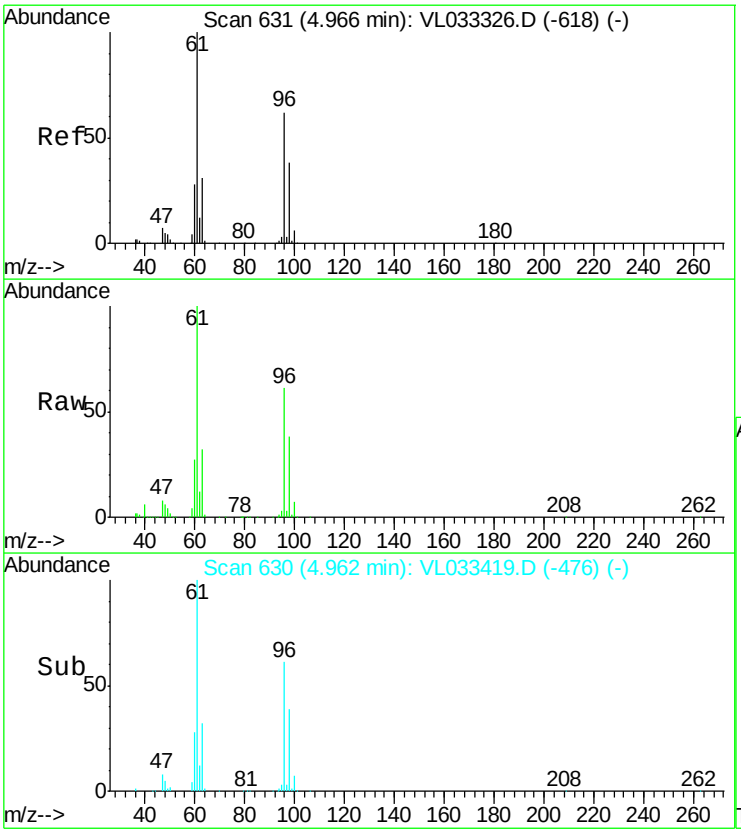
#21
Allyl Chloride
Concen: 10.904 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 662319

Ion	Ratio	Lower	Upper
41	100		
76	30.4	25.0	37.4
39	80.9	65.9	98.9

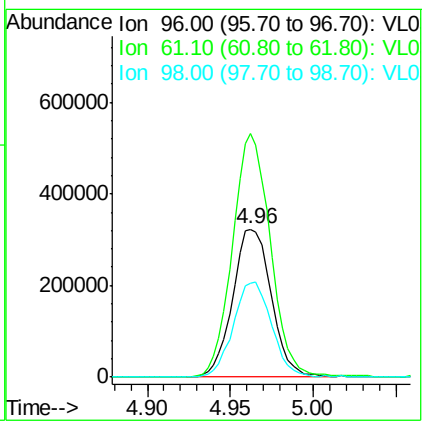


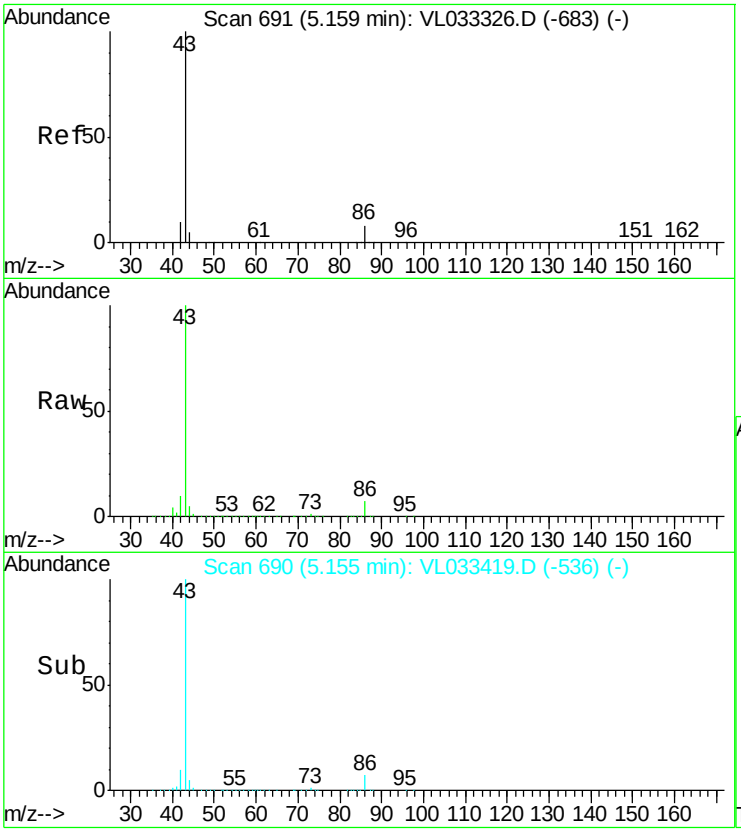


#22
trans-1,2-Dichloroethene
Concen: 12.655 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 96 Resp: 524783

Ion	Ratio	Lower	Upper
96	100		
61	164.2	130.0	195.0
98	63.1	50.0	75.0



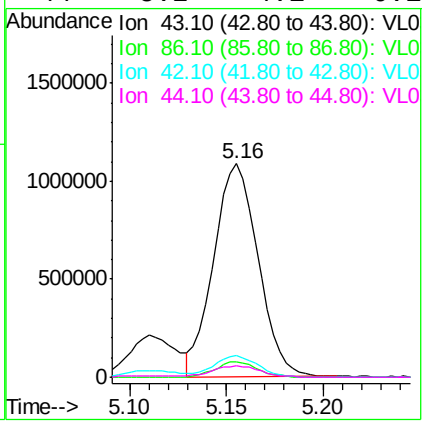


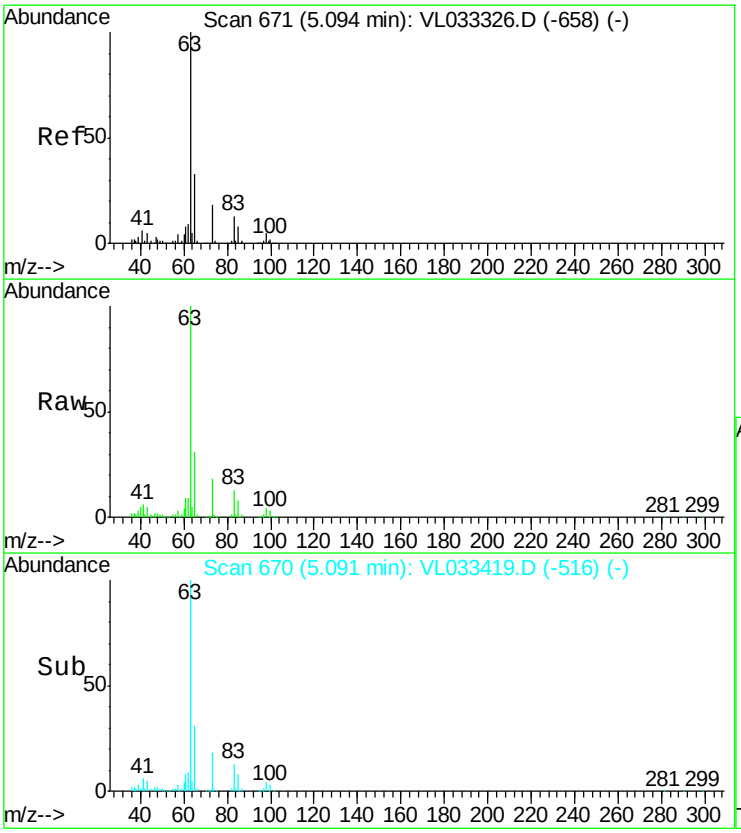
#23
Vinyl Acetate
Concen: 11.981 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1735727

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.2	9.2
42	10.4	8.1	12.1
44	5.2	4.1	6.1

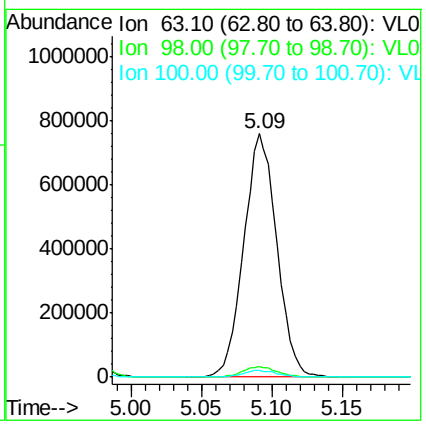


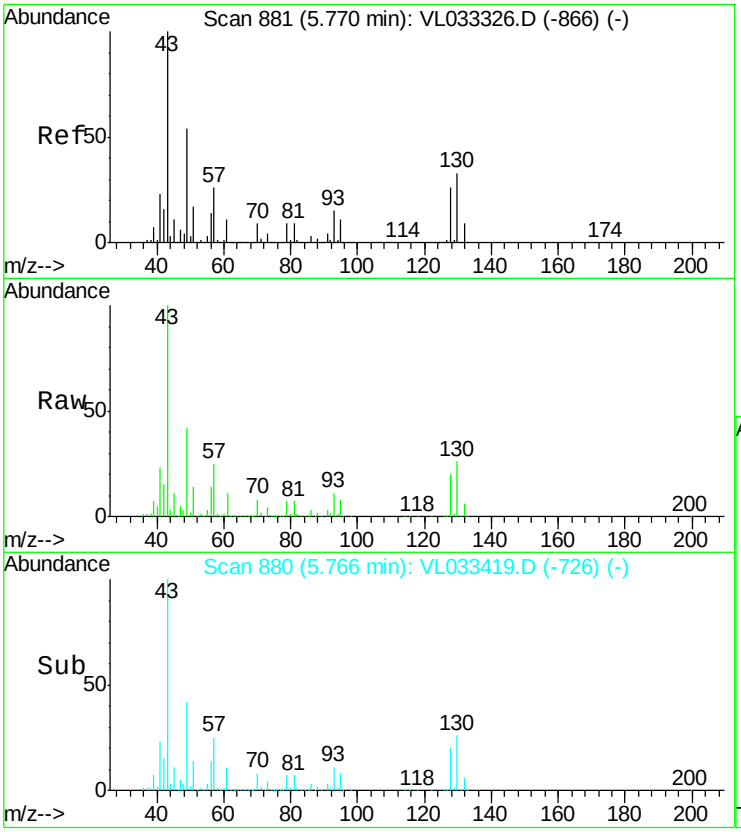


#24
1,1-Dichloroethane
Concen: 11.929 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 63 Resp: 1248105

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.4	7.1
100	2.8	1.3	3.8



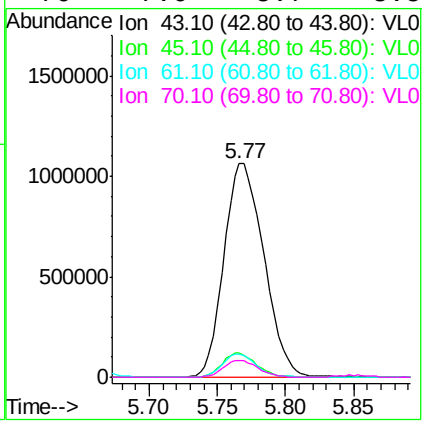


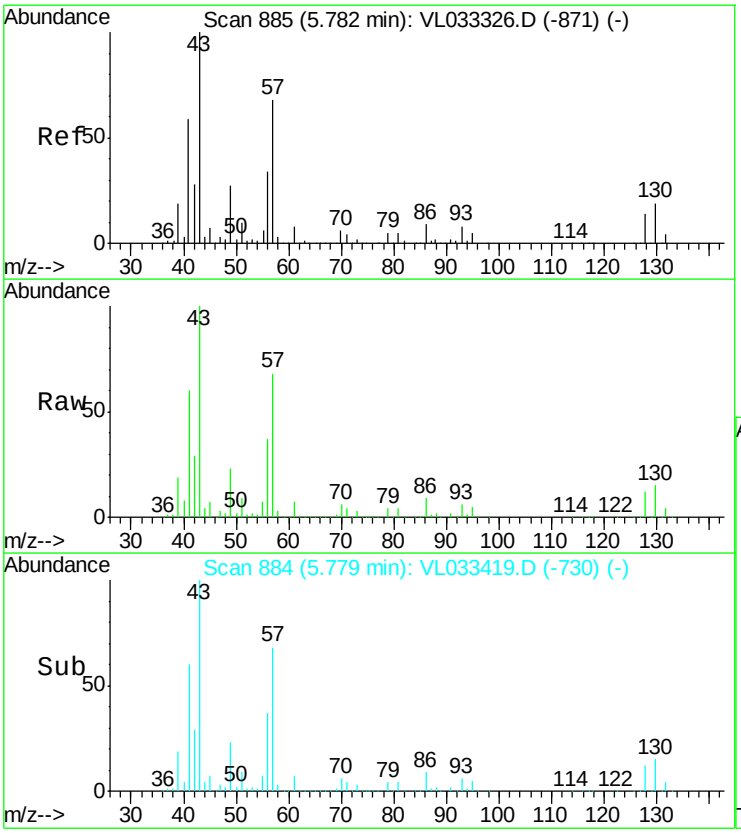
#25
Ethyl Acetate
Concen: 11.864 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2159438

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.3	7.4	11.2
70	7.0	5.7	8.5

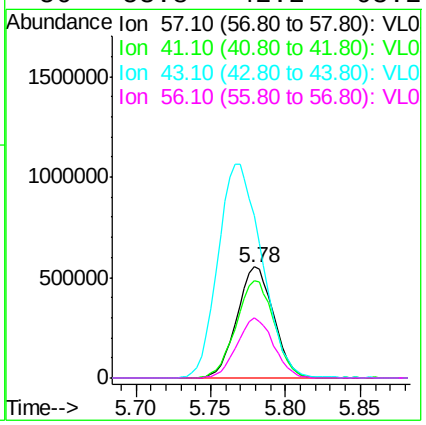


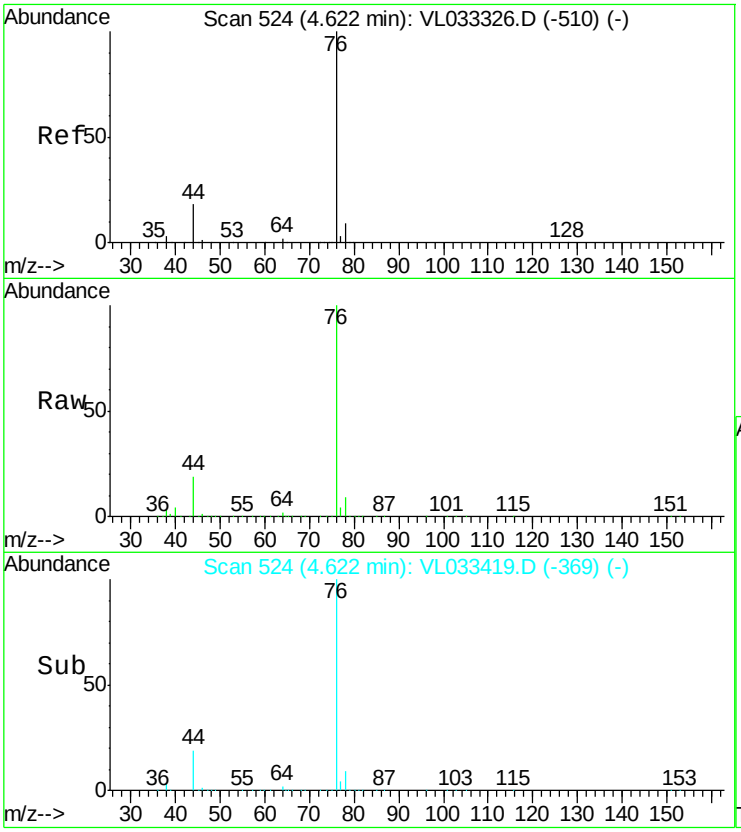


#26
Hexane
Concen: 11.653 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 57 Resp: 948224

Ion	Ratio	Lower	Upper
57	100		
41	90.8	70.5	105.7
43	229.3	181.8	272.8
56	53.8	42.2	63.2



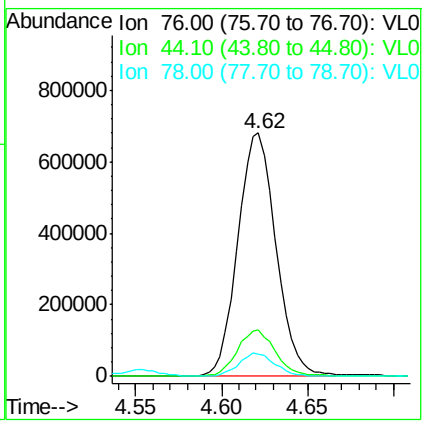


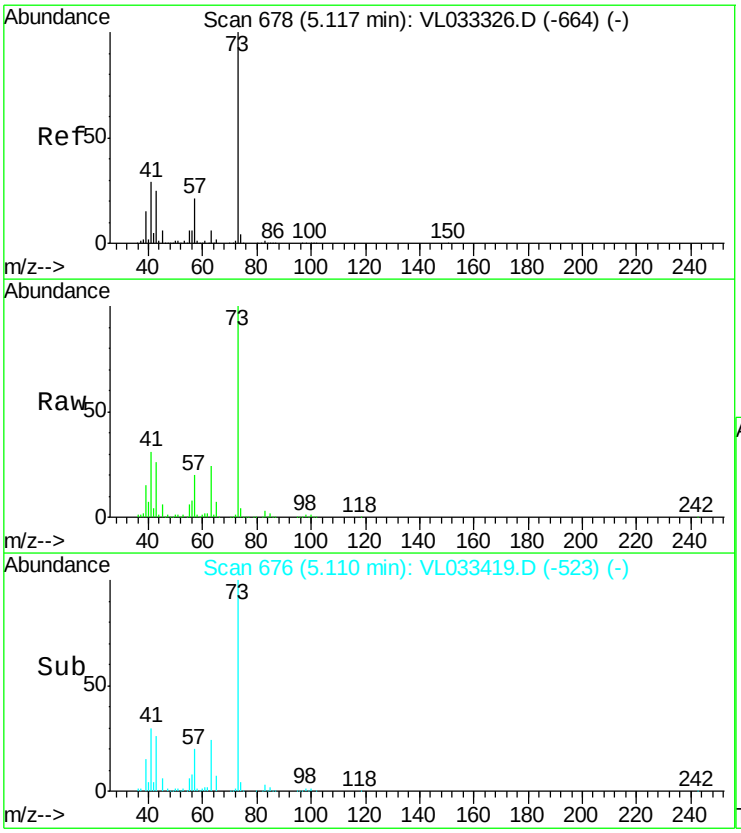
#27
Carbon Disulfide
Concen: 11.203 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 1049414

Ion	Ratio	Lower	Upper
76	100		
44	18.6	15.2	22.8
78	9.1	7.2	10.8

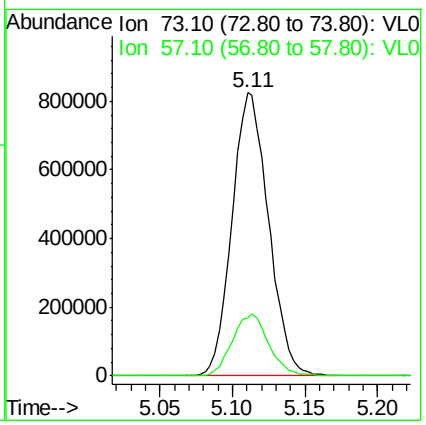


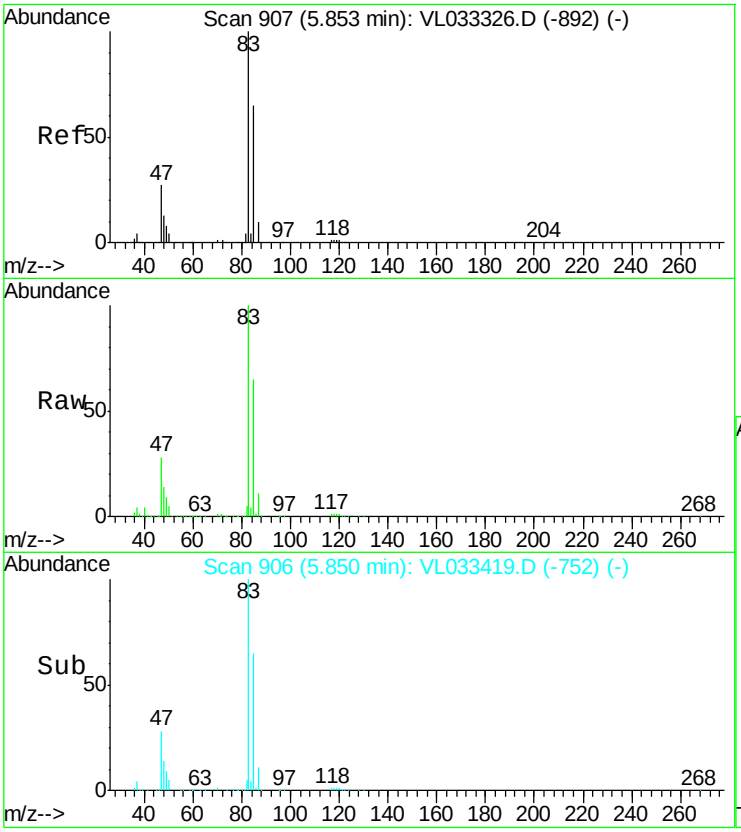


#28
Methyl tert-Butyl Ether
Concen: 11.925 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 73 Resp: 1441309

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0



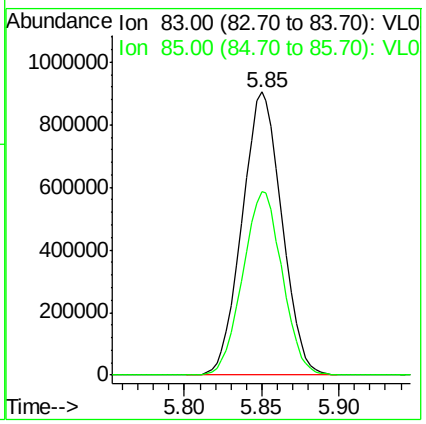


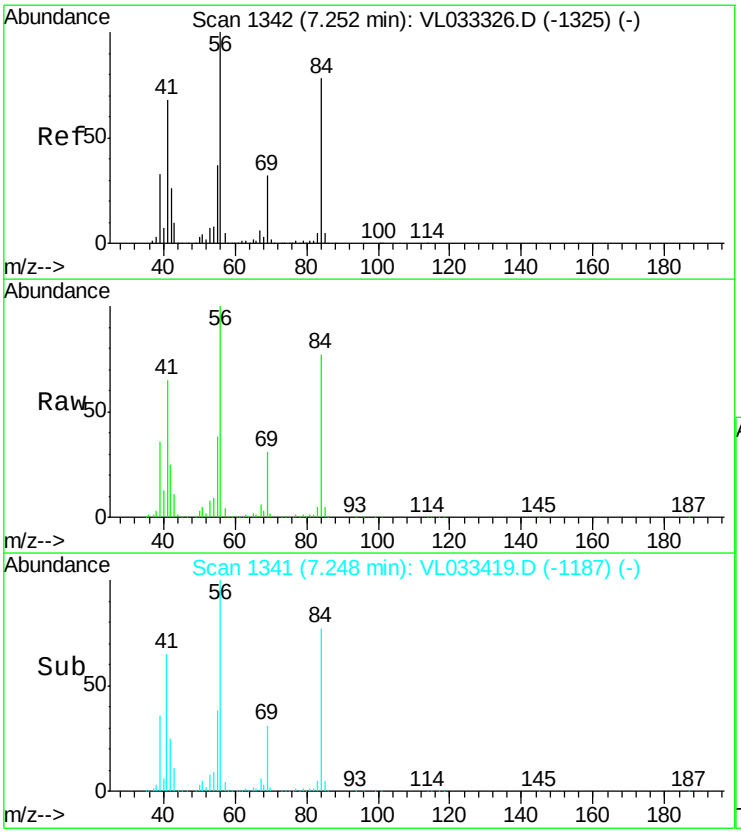
#29
Chloroform
Concen: 12.145 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1618127

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.0	78.0

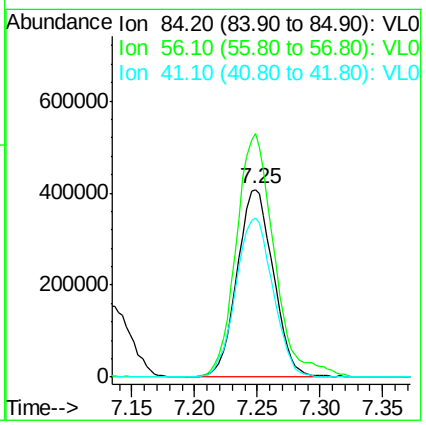


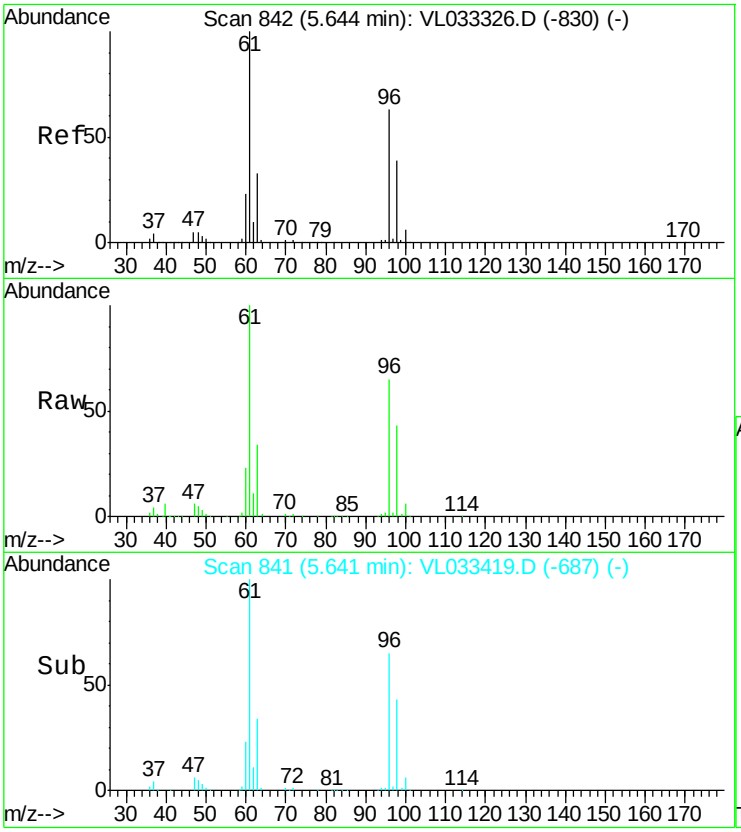


#30
Cyclohexane
Concen: 12.459 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 84 Resp: 812817

Ion	Ratio	Lower	Upper
84	100		
56	136.8	111.3	166.9
41	87.7	69.6	104.4



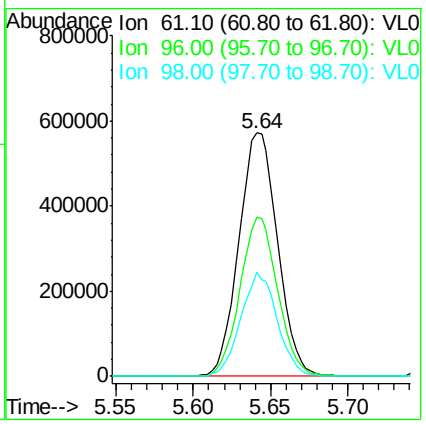


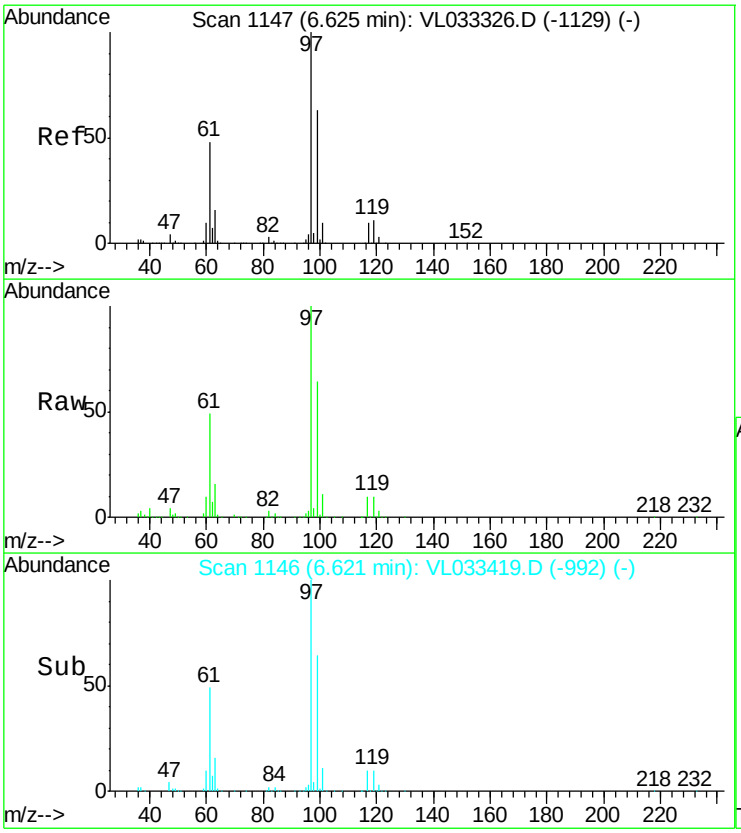
#31
cis-1,2-Dichloroethene
Concen: 12.248 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 996495

Ion	Ratio	Lower	Upper
61	100		
96	65.3	50.3	75.5
98	43.0	31.5	47.3

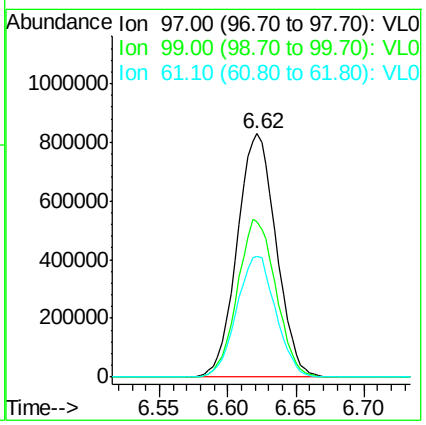


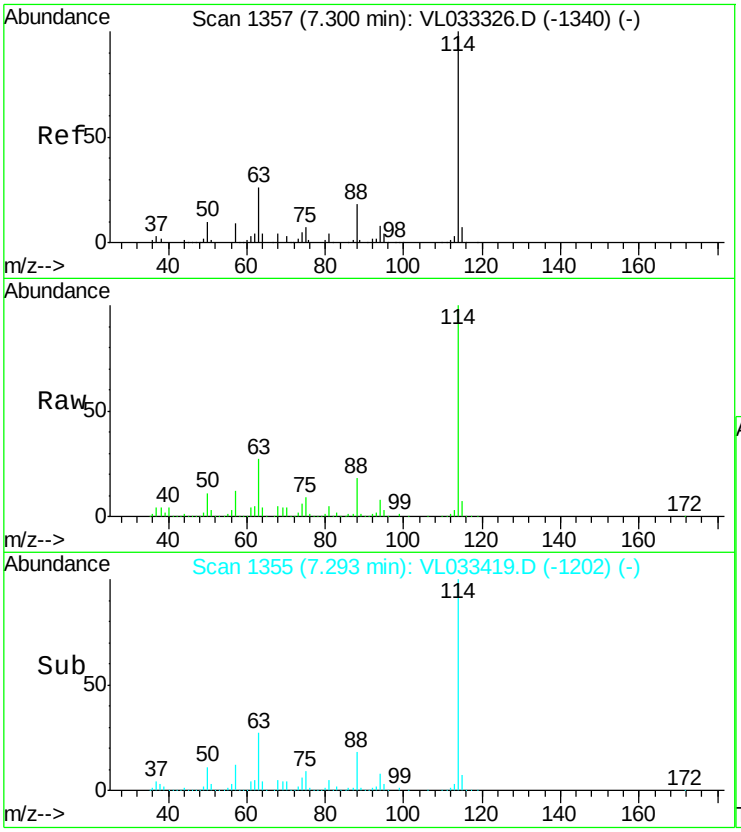


#32
1,1,1-Trichloroethane
Concen: 12.543 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 97 Resp: 1640849

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	50.0	39.3	58.9



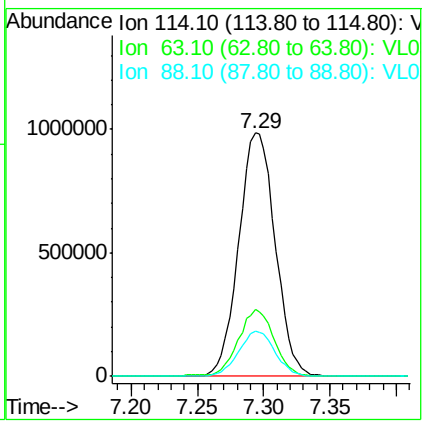


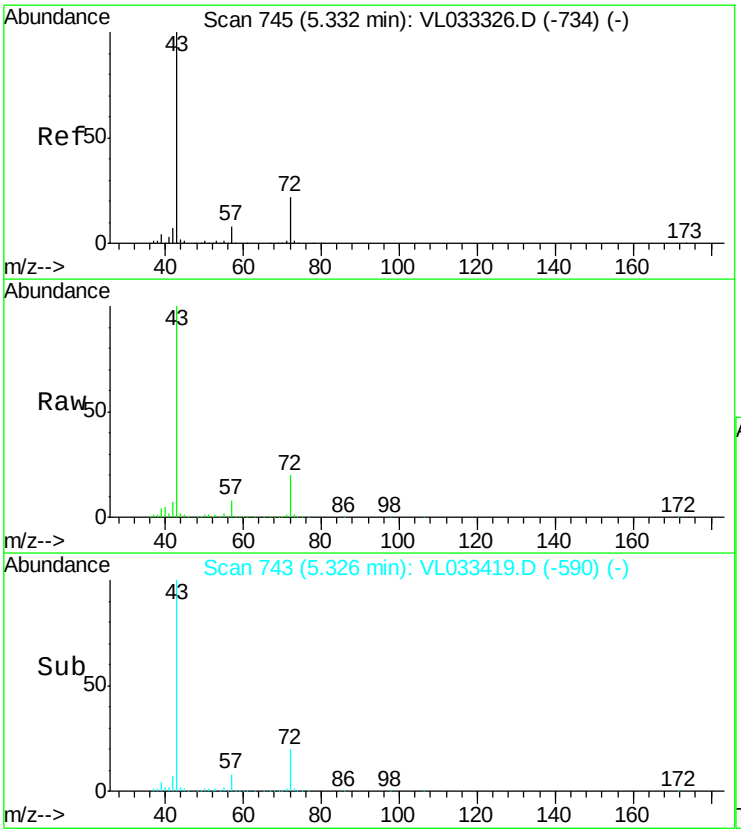
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 1884611

Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.4	32.2
88	18.4	14.5	21.7

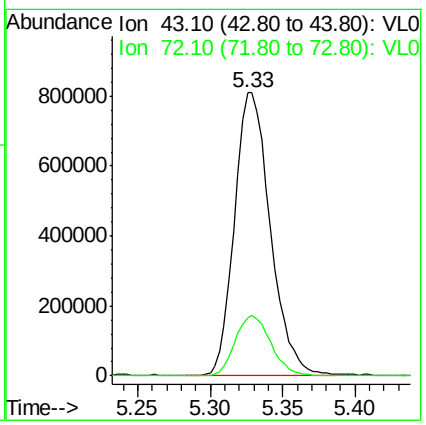


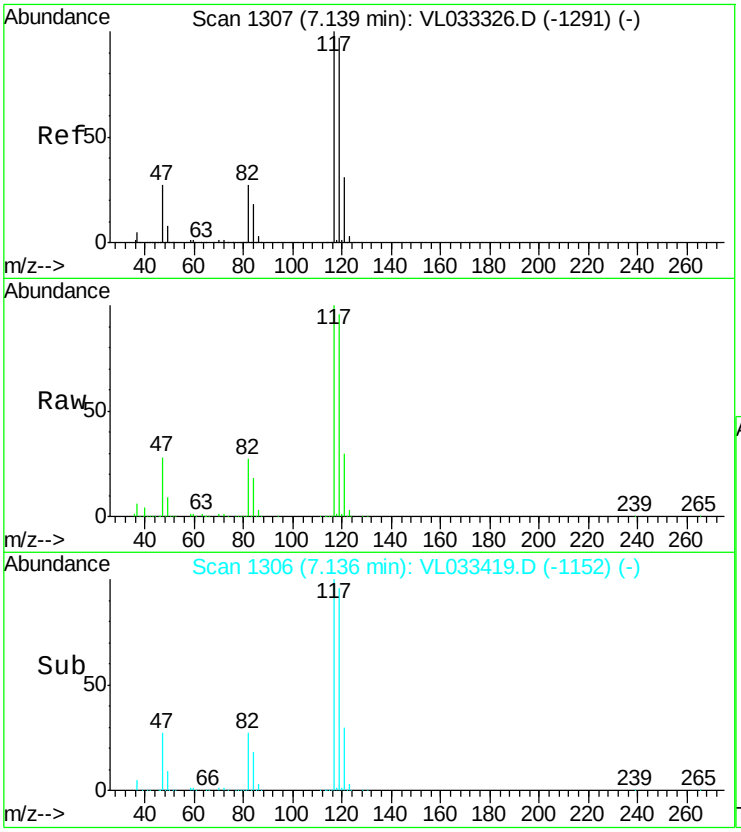


#34
2-Butanone
Concen: 11.228 ppbv
RT: 5.33 min Scan# 743
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 43 Resp: 1389730

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.7	26.5



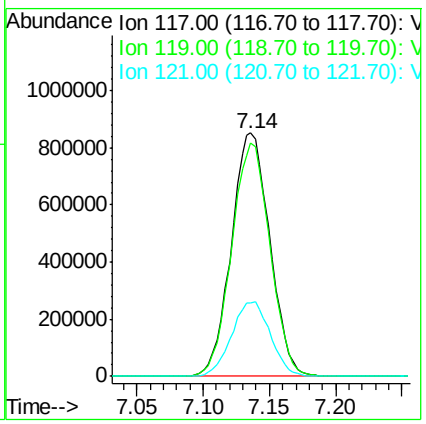


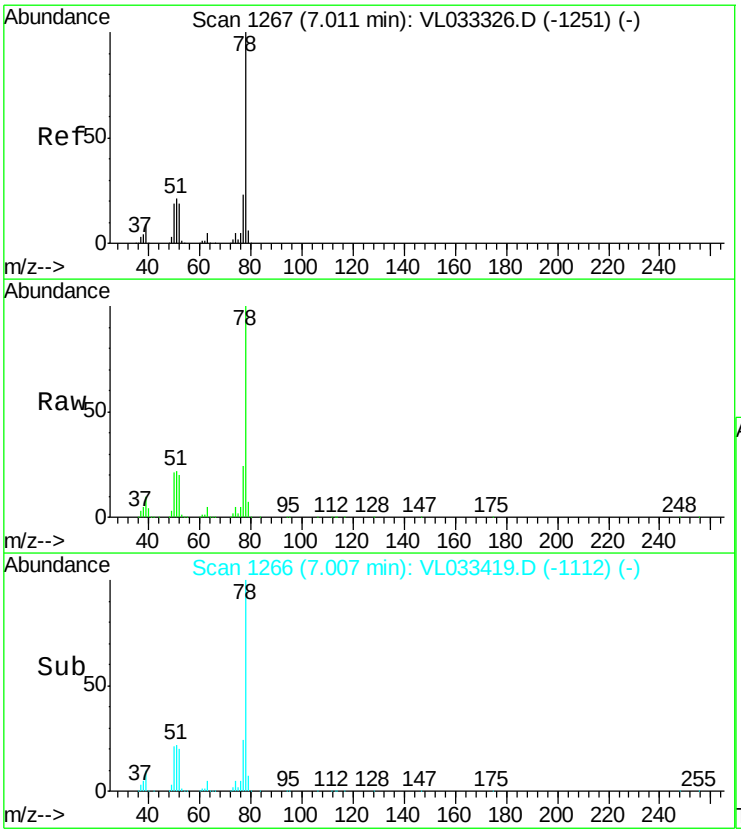
#35
Carbon Tetrachloride
Concen: 12.877 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1710948

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.4	116.0
121	29.9	24.9	37.3

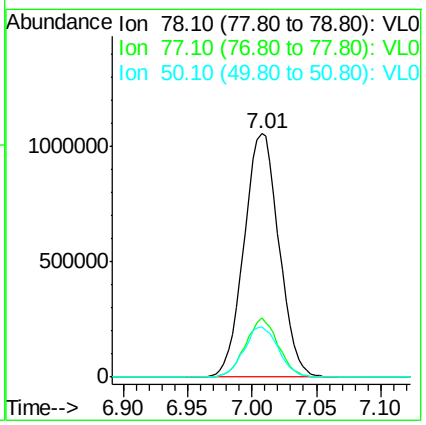


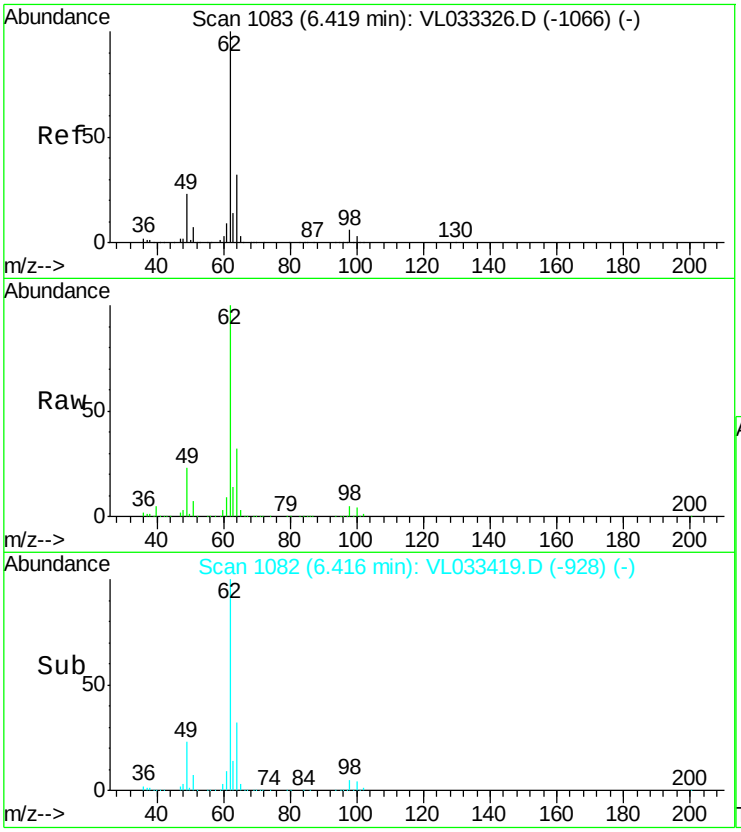


#36
Benzene
Concen: 11.854 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 78 Resp: 1999342

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.1	27.1
50	20.5	15.2	22.8



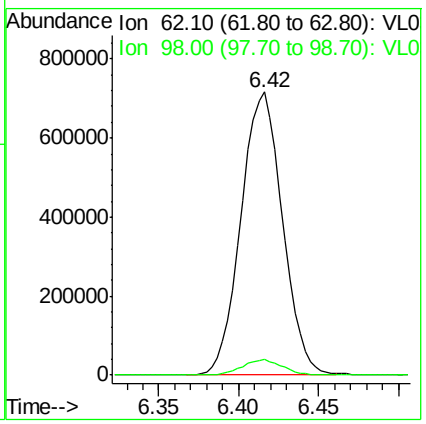


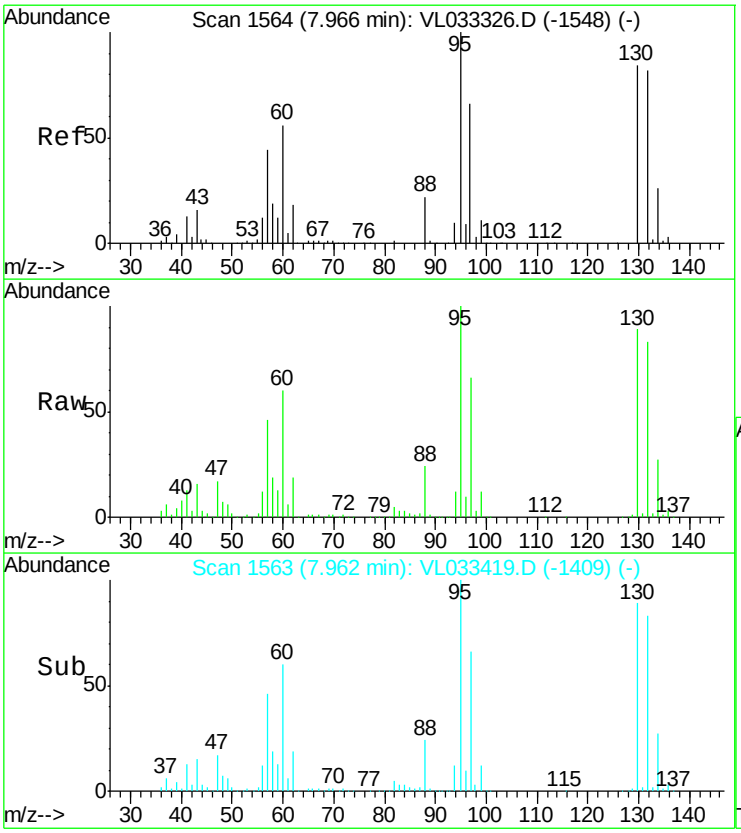
#37
1,2-Dichloroethane
Concen: 11.888 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 1267788

Ion	Ratio	Lower	Upper
62	100		
98	5.3	4.5	6.7

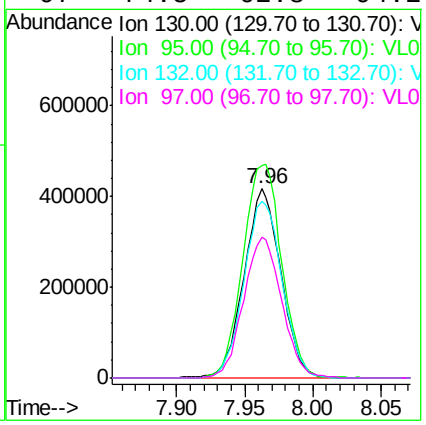


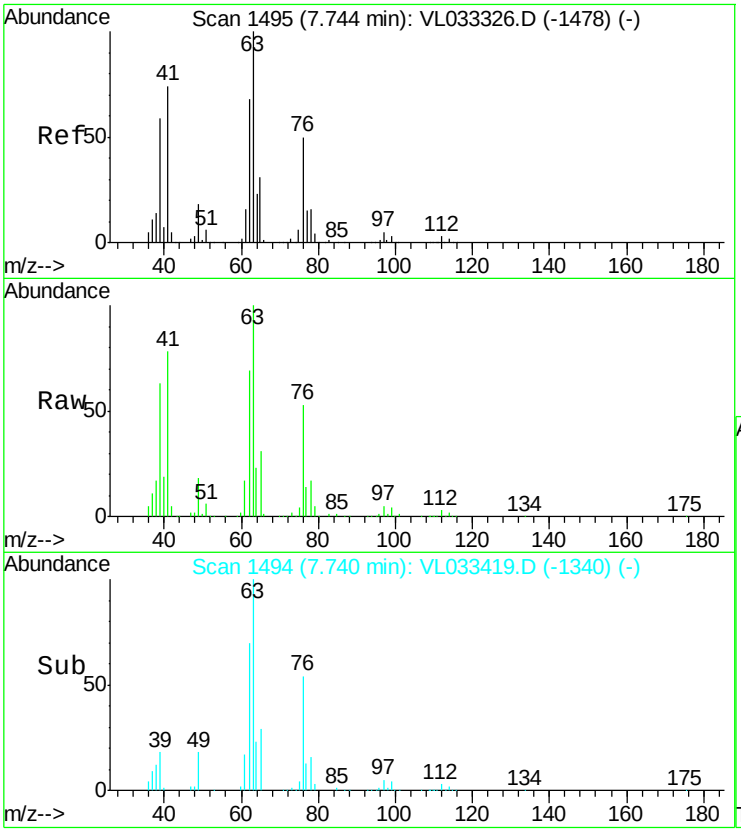


#38
Trichloroethene
Concen: 12.290 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:130 Resp: 784397

Ion	Ratio	Lower	Upper
130	100		
95	112.4	95.2	142.8
132	93.5	77.7	116.5
97	74.5	62.8	94.2



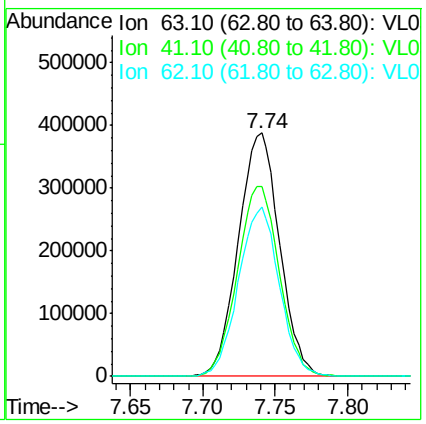


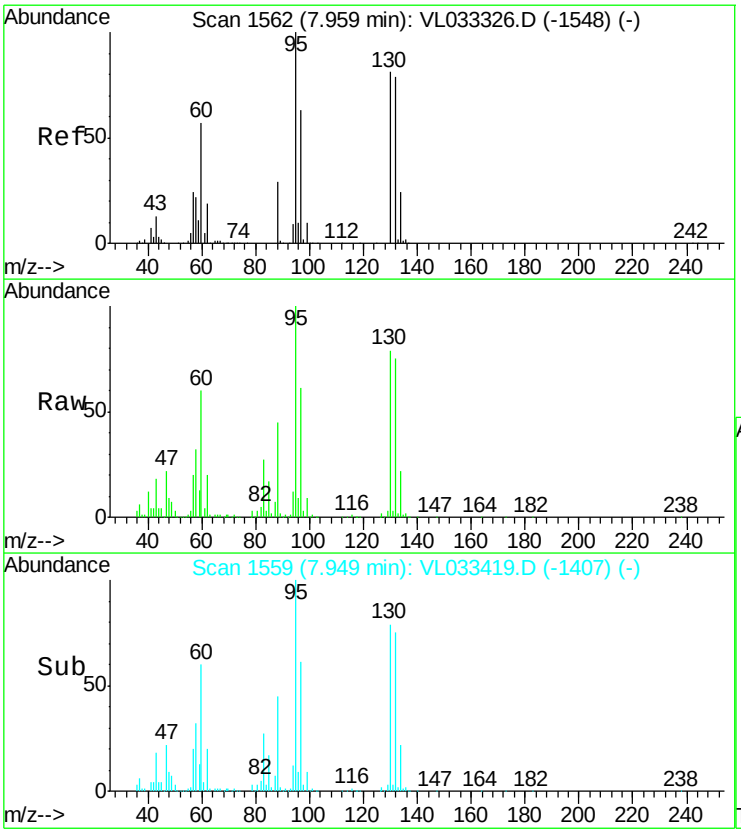
#39
1,2-Dichloropropane
Concen: 12.173 ppbv
RT: 7.74 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 768874

Ion	Ratio	Lower	Upper
63	100		
41	77.9	59.5	89.3
62	69.5	54.7	82.1

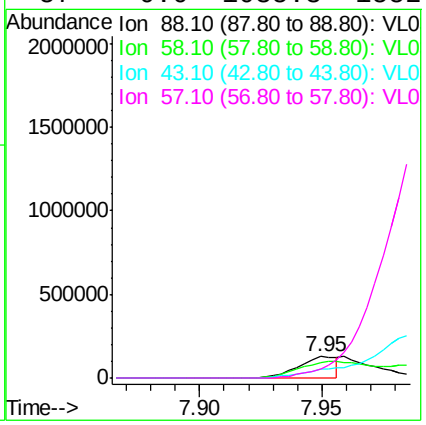


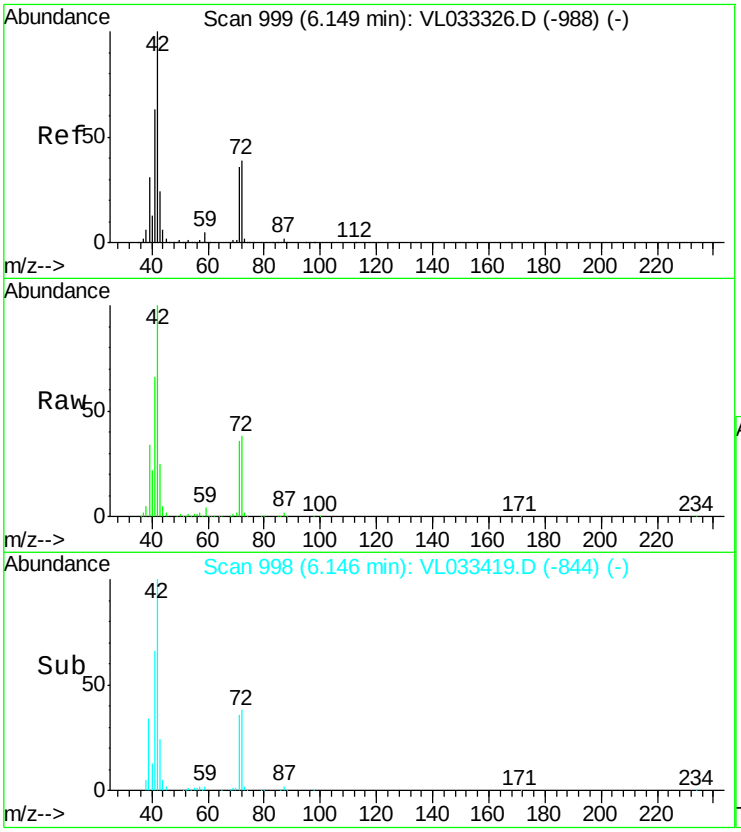


#40
1,4-Dioxane
Concen: 6.457 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 88 Resp: 143623

Ion	Ratio	Lower	Upper
88	100		
58	254.0	107.9	161.9#
43	0.0	230.8	346.2#
57	0.0	1035.3	1552.9#



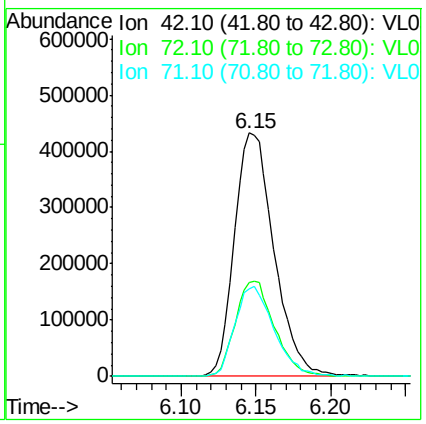


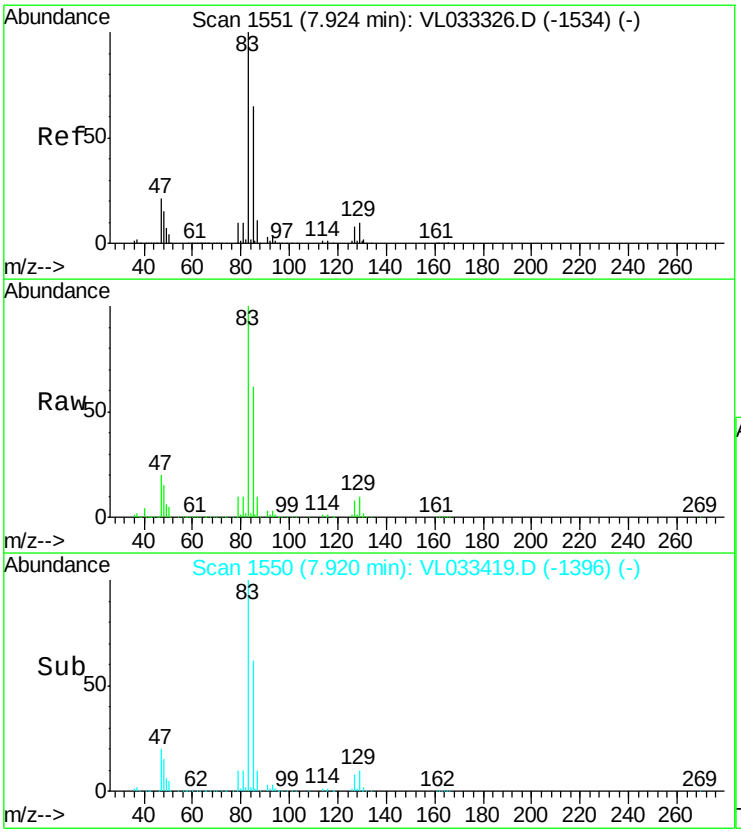
#41
Tetrahydrofuran
Concen: 12.084 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 798131

Ion	Ratio	Lower	Upper
42	100		
72	38.9	31.6	47.4
71	36.7	29.9	44.9

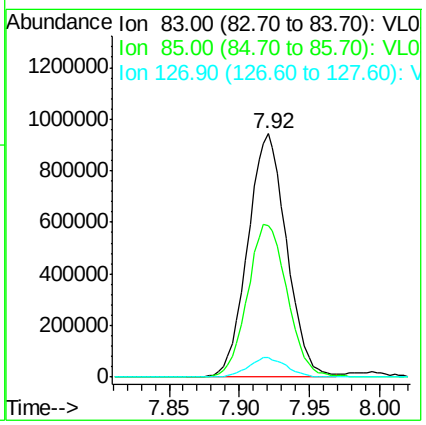


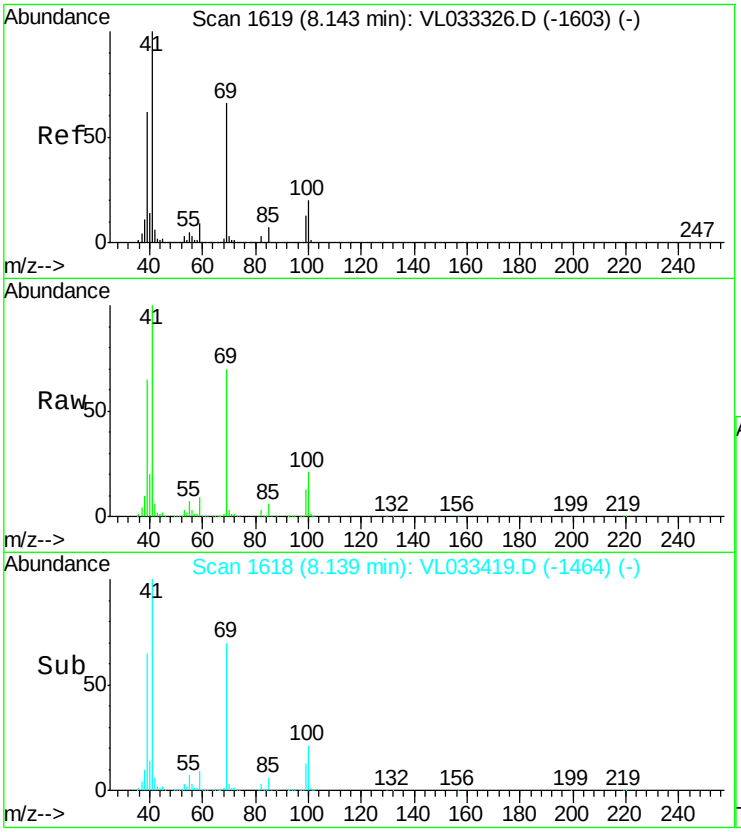


#42
Bromodichloromethane
Concen: 12.713 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 83 Resp: 1817725

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.6
127	7.8	6.2	9.2



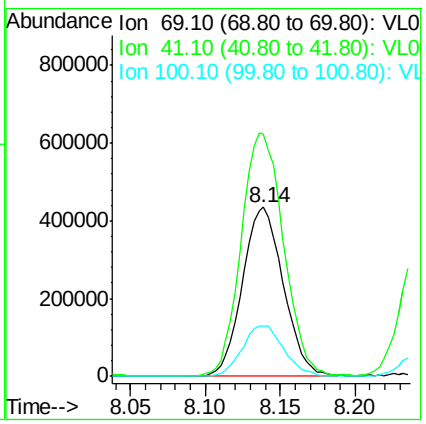


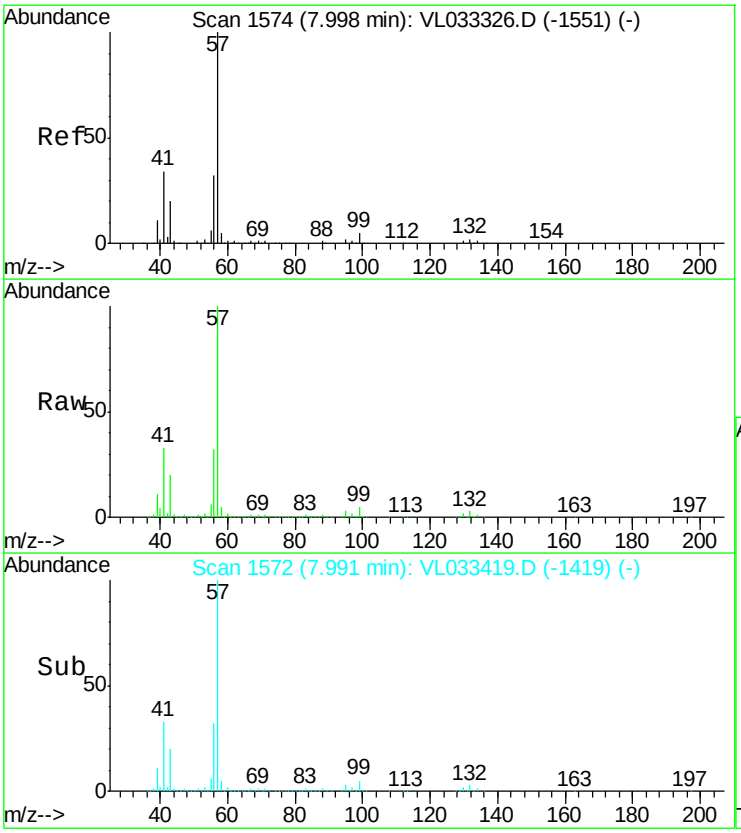
#43
Methyl Methacrylate
Concen: 12.617 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 828563

Ion	Ratio	Lower	Upper
69	100		
41	148.7	119.5	179.3
100	30.6	24.4	36.6

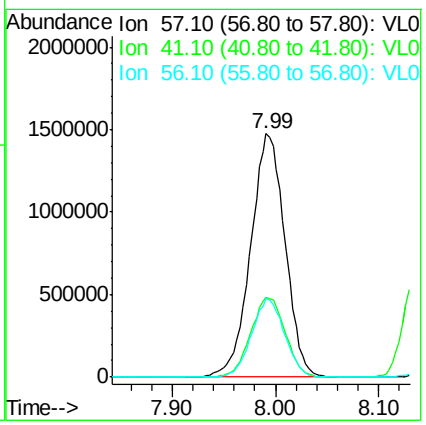


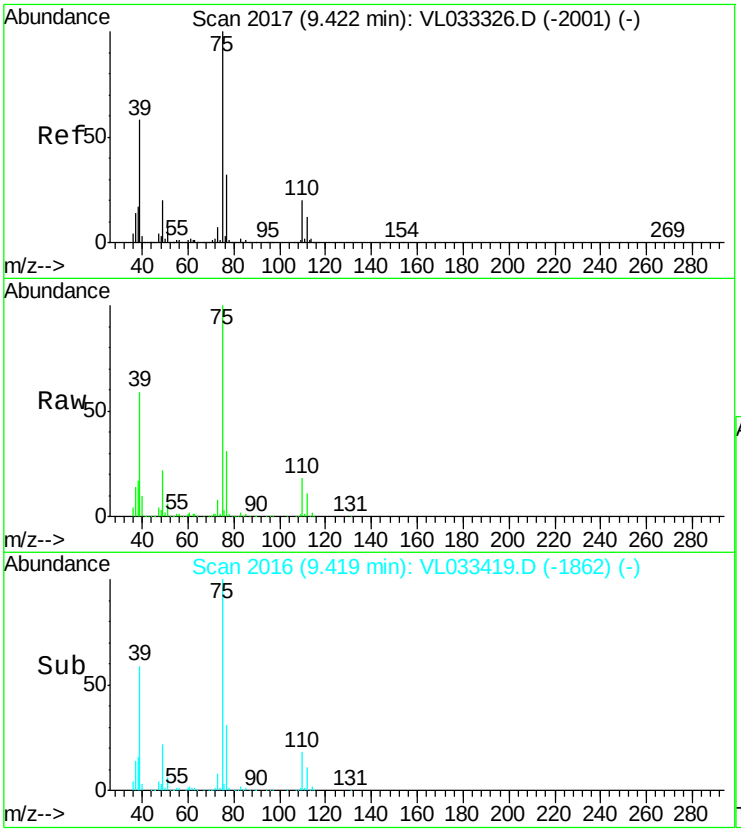


#44
2,2,4-Trimethylpentane
Concen: 12.181 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 57 Resp: 3402822

Ion	Ratio	Lower	Upper
57	100		
41	33.0	26.0	39.0
56	30.9	24.6	36.8



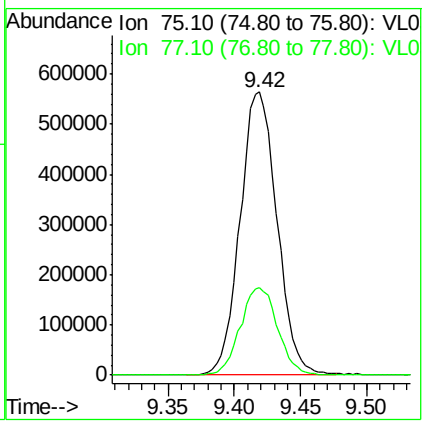


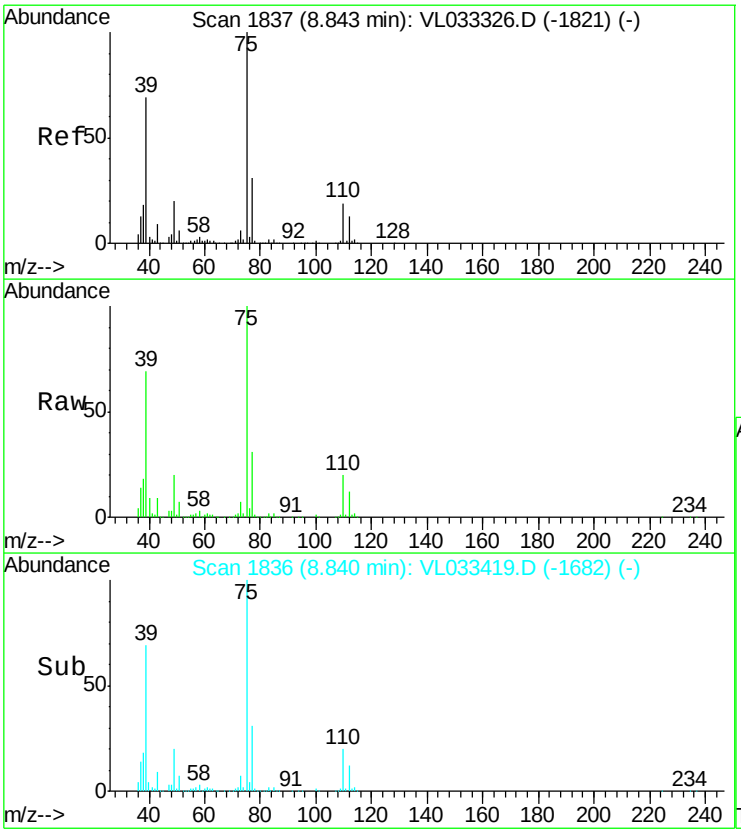
#45
t-1,3-Dichloropropene
Concen: 13.488 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 75 Resp: 1093624

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.5	38.3

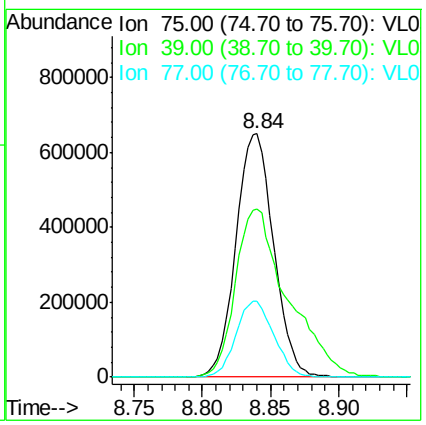


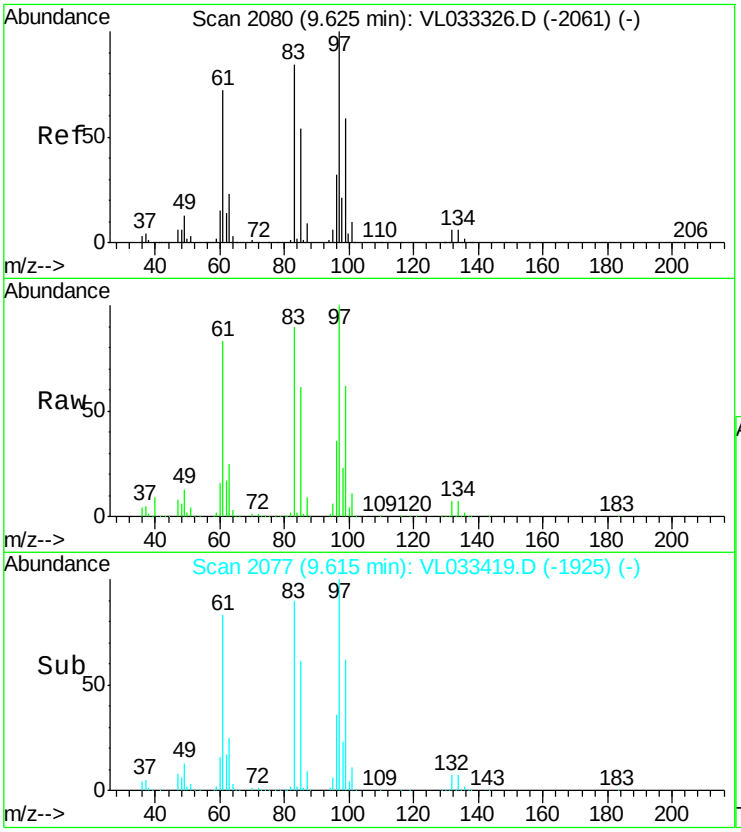


#46
cis-1,3-Dichloropropene
Concen: 13.087 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 75 Resp: 1249472

Ion	Ratio	Lower	Upper
75	100		
39	68.7	55.0	82.6
77	31.3	24.5	36.7



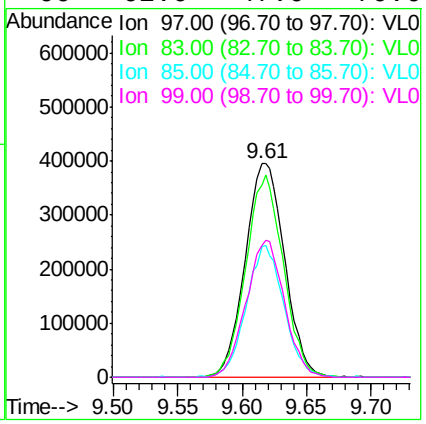


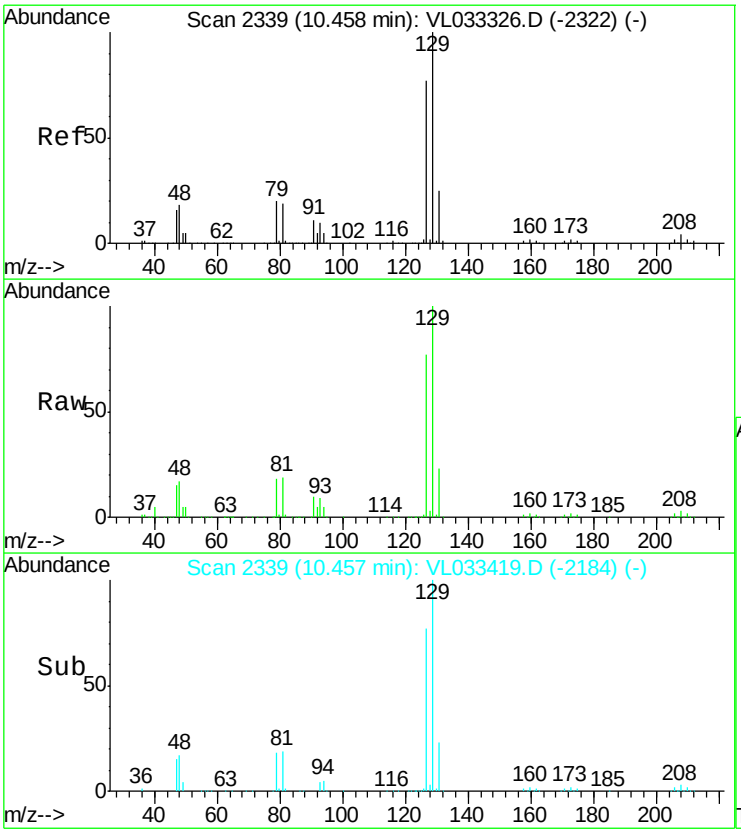
#47
1,1,2-Trichloroethane
Concen: 12.086 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 843431

Ion	Ratio	Lower	Upper
97	100		
83	89.8	67.4	101.0
85	61.2	43.0	64.4
99	62.0	47.0	70.6

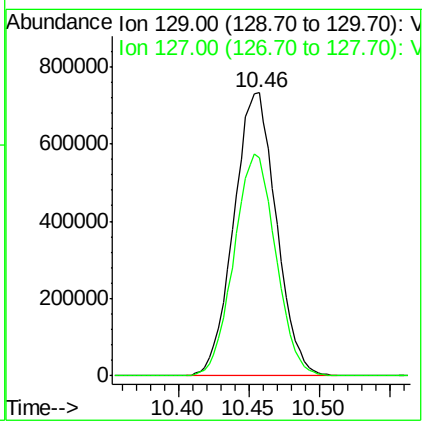


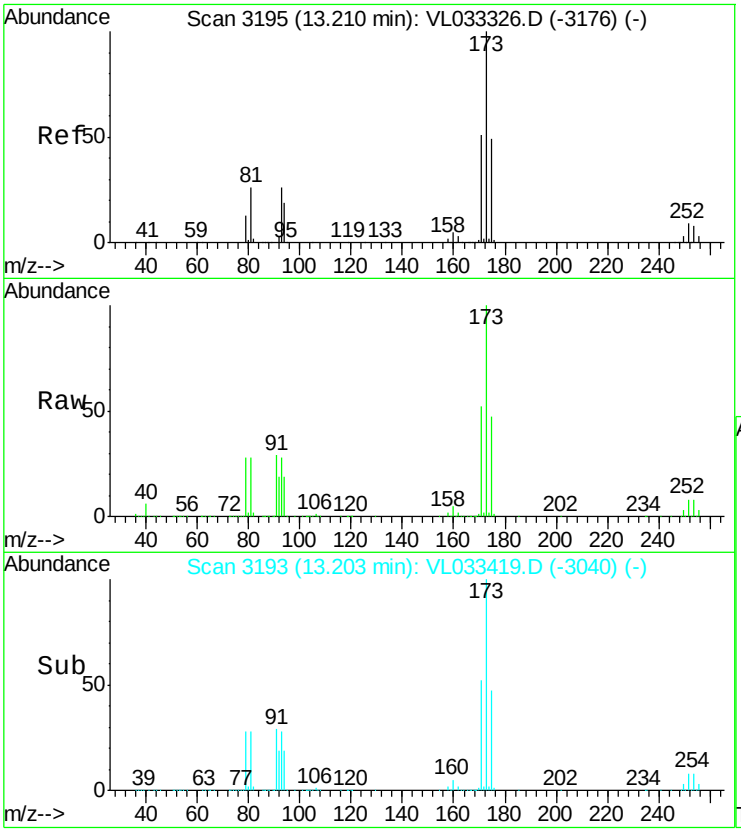


#48
Dibromochloromethane
Concen: 13.208 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:129 Resp: 1545815

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.9	116.6



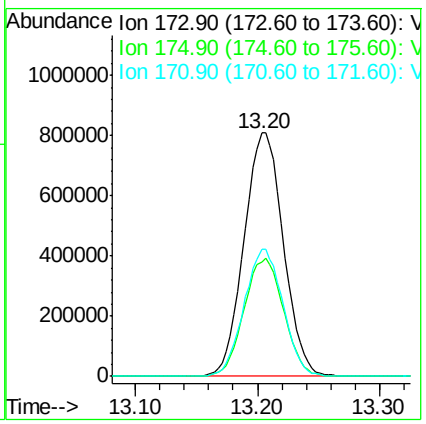


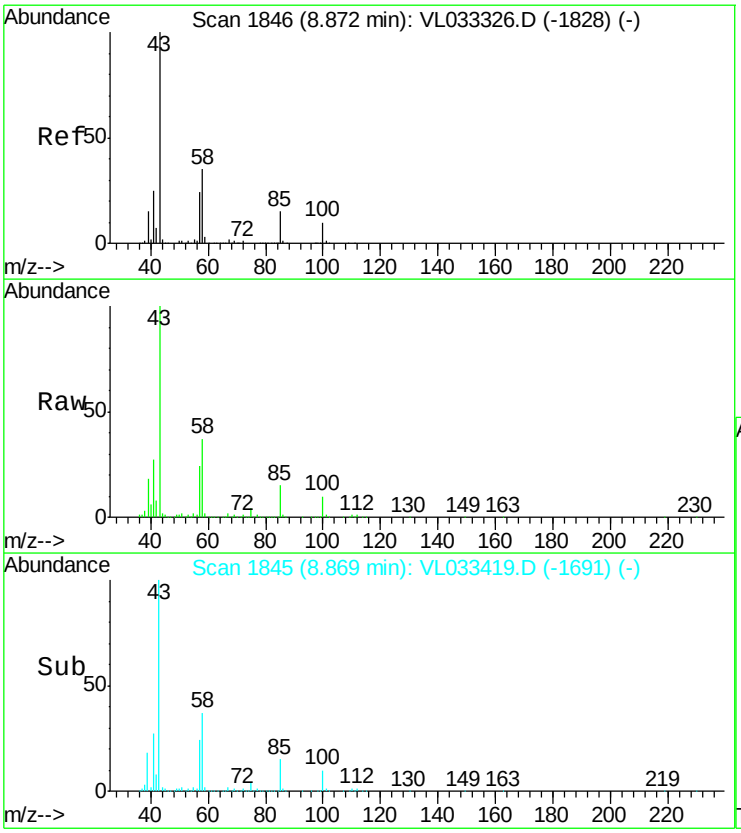
#49
Bromoform
Concen: 16.241 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1803131

Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.0	58.6
171	51.7	41.7	62.5

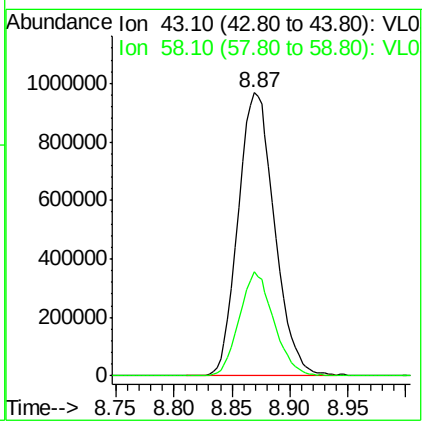


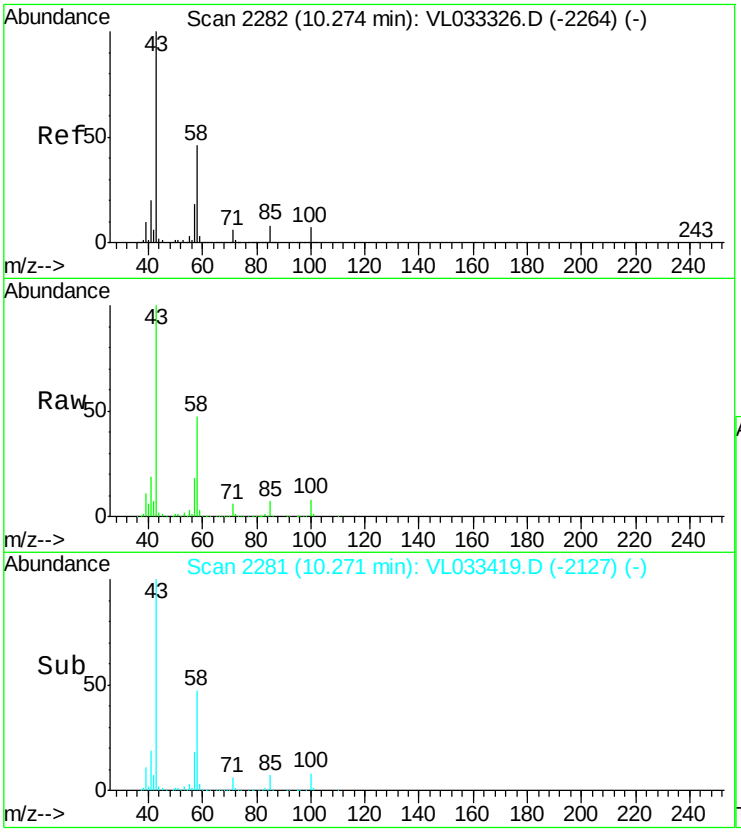


#50
4-Methyl-2-Pentanone
Concen: 12.101 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 43 Resp: 2115559

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.4	42.6



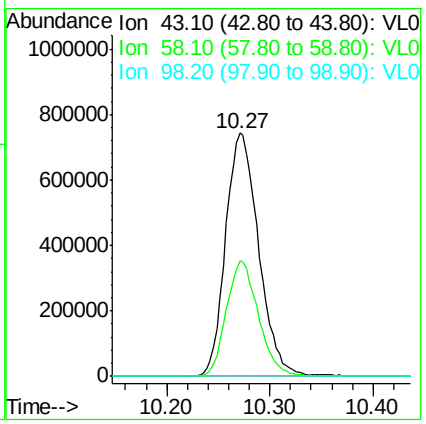


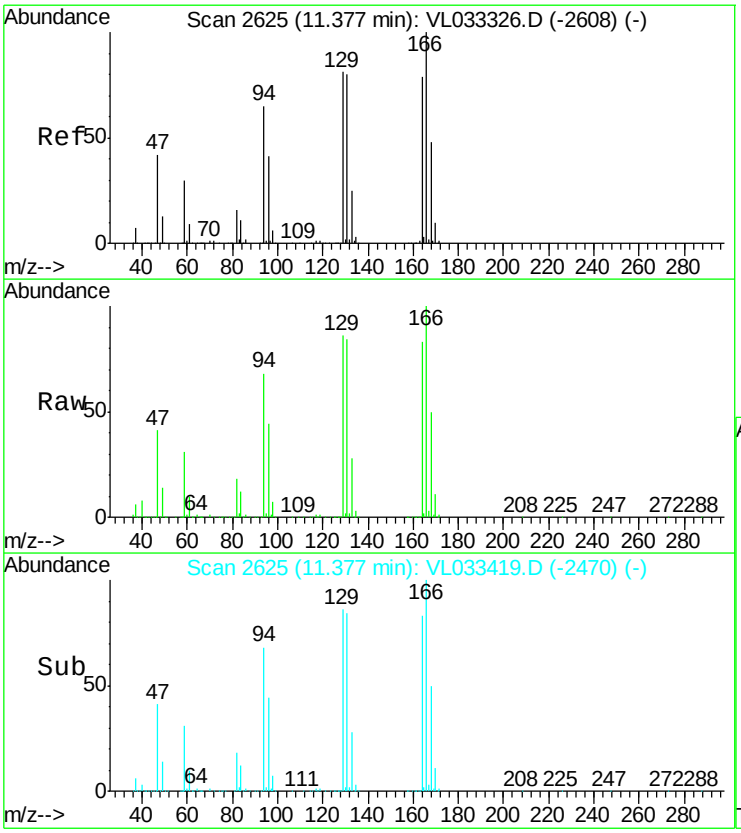
#51
2-Hexanone
Concen: 12.321 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1661886

Ion	Ratio	Lower	Upper
43	100		
58	46.3	38.0	57.0
98	0.3	0.1	0.1#

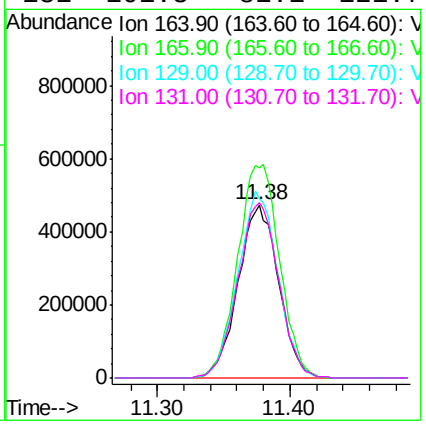


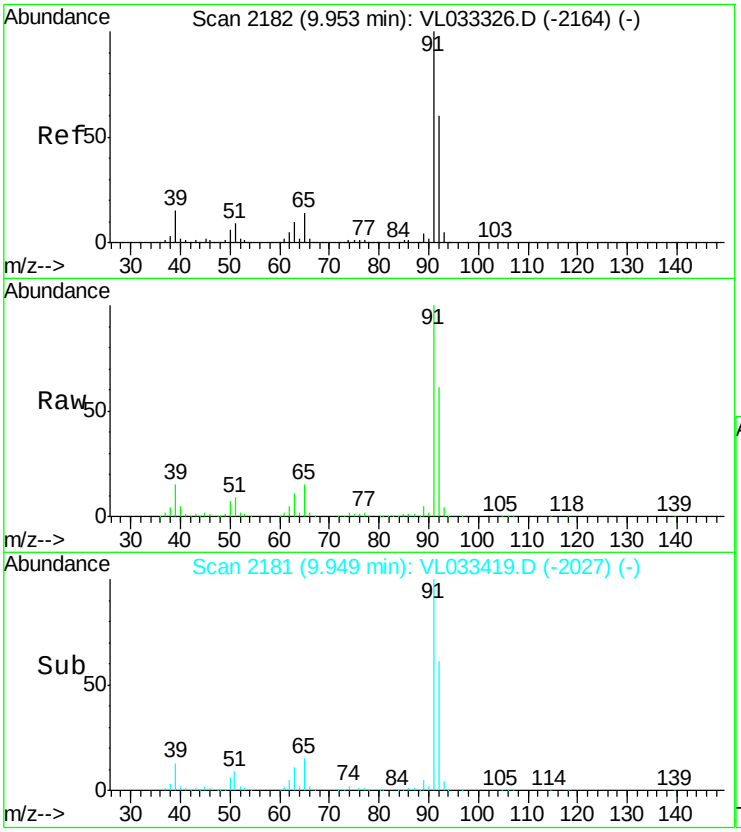


#52
Tetrachloroethene
Concen: 14.269 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:164 Resp: 1002635

Ion	Ratio	Lower	Upper
164	100		
166	121.1	101.5	152.3
129	103.5	82.2	123.2
131	101.3	81.1	121.7



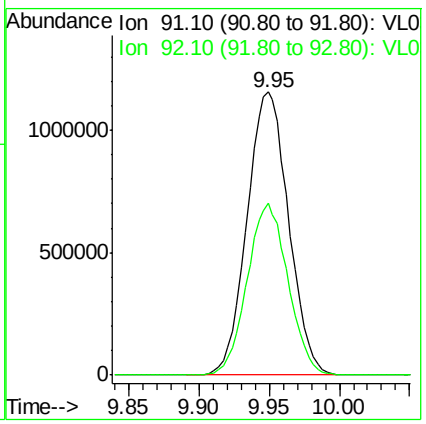


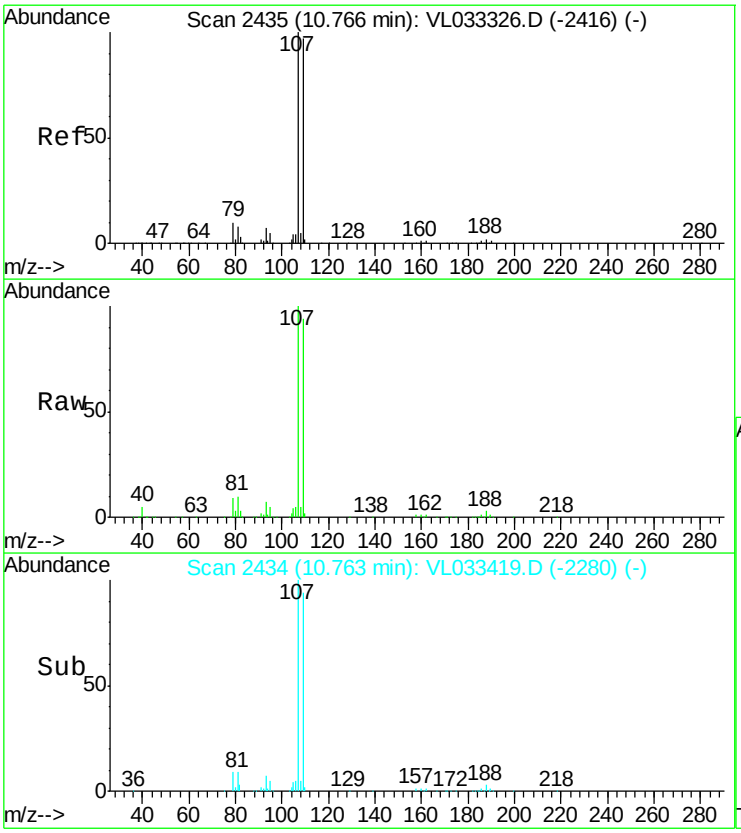
#53
Toluene
Concen: 12.392 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2374914

Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.4	71.0

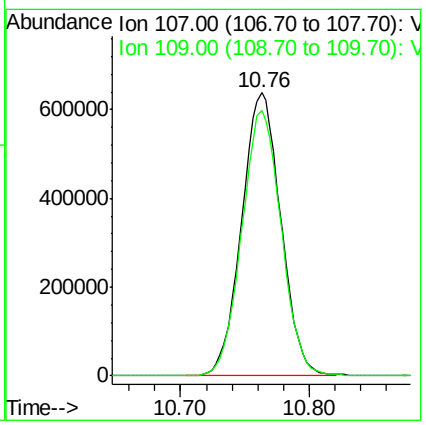


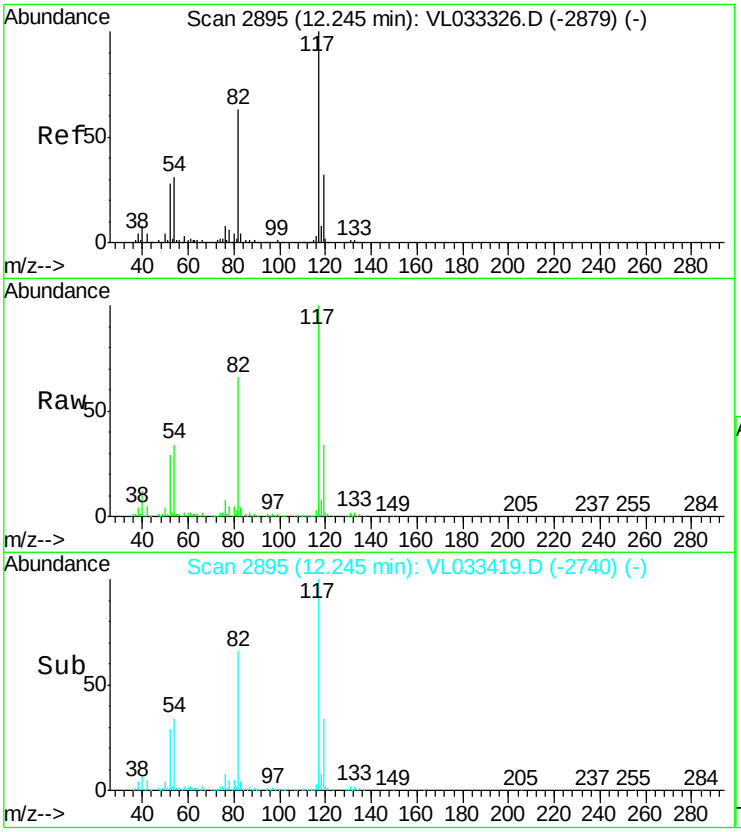


#54
1,2-Dibromoethane
Concen: 11.448 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:107 Resp: 1350595

Ion	Ratio	Lower	Upper
107	100		
109	94.0	77.2	115.8



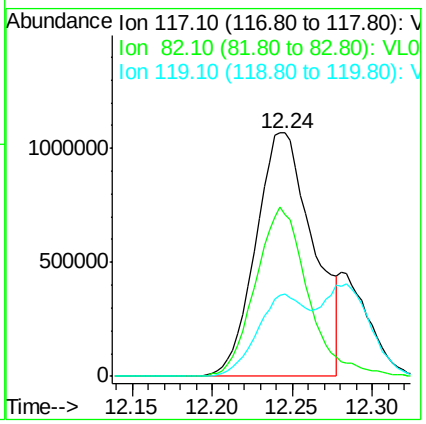


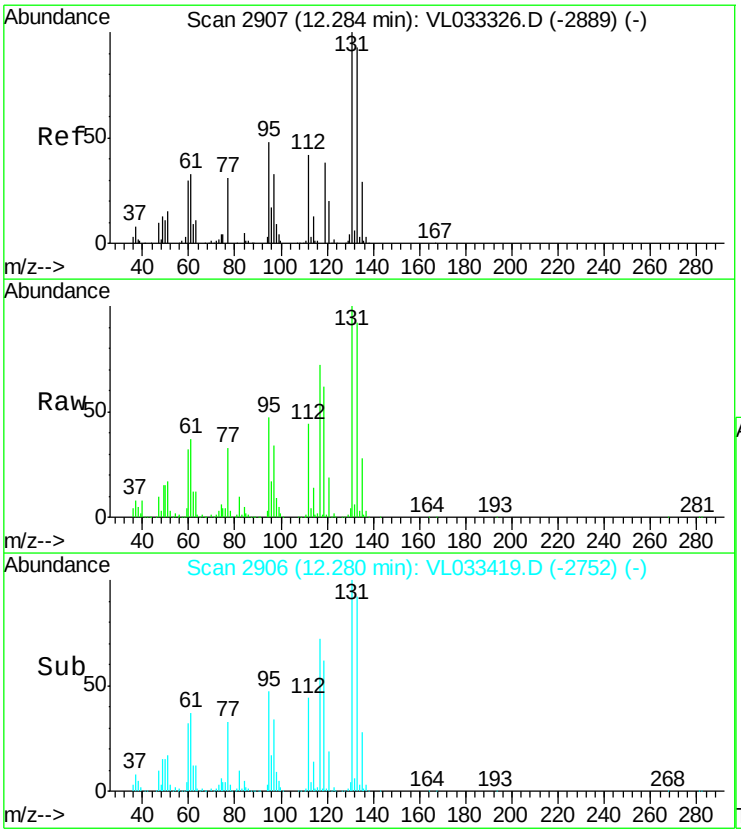
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 2658272

Ion	Ratio	Lower	Upper
117	100		
82	63.4	53.4	80.2
119	30.8	27.3	40.9

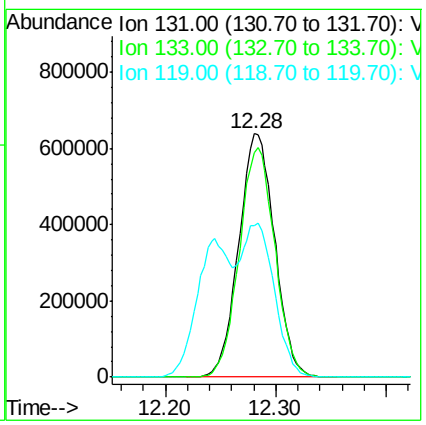


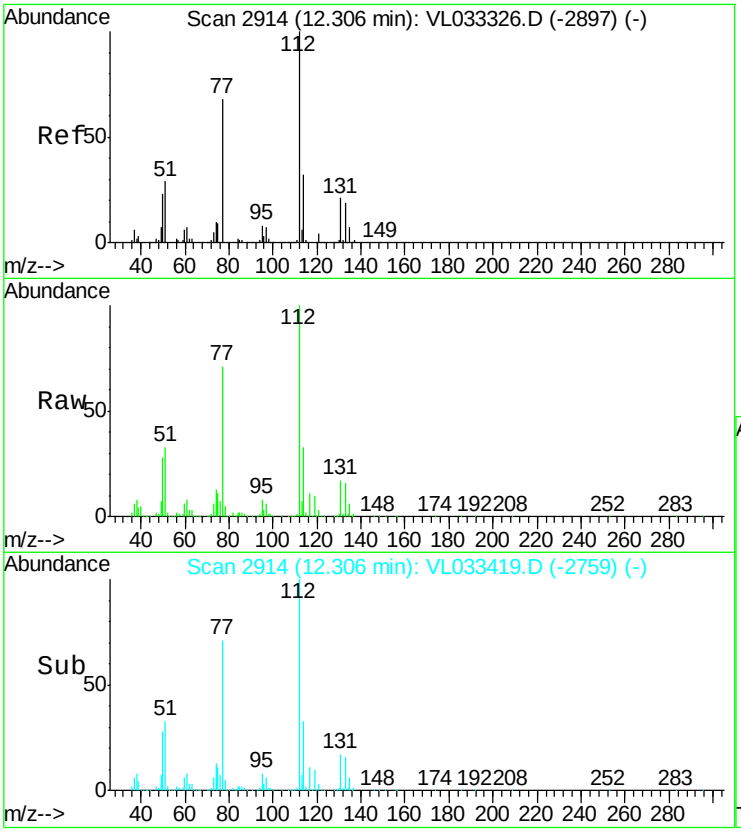


#56
1,1,1,2-Tetrachloroethane
Concen: 12.094 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:131 Resp: 1438105

Ion	Ratio	Lower	Upper
131	100		
133	93.9	76.7	115.1
119	56.9	40.3	60.5



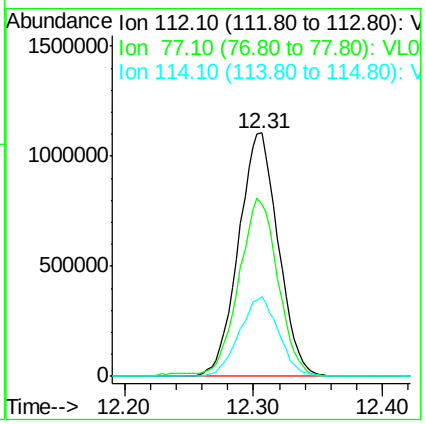


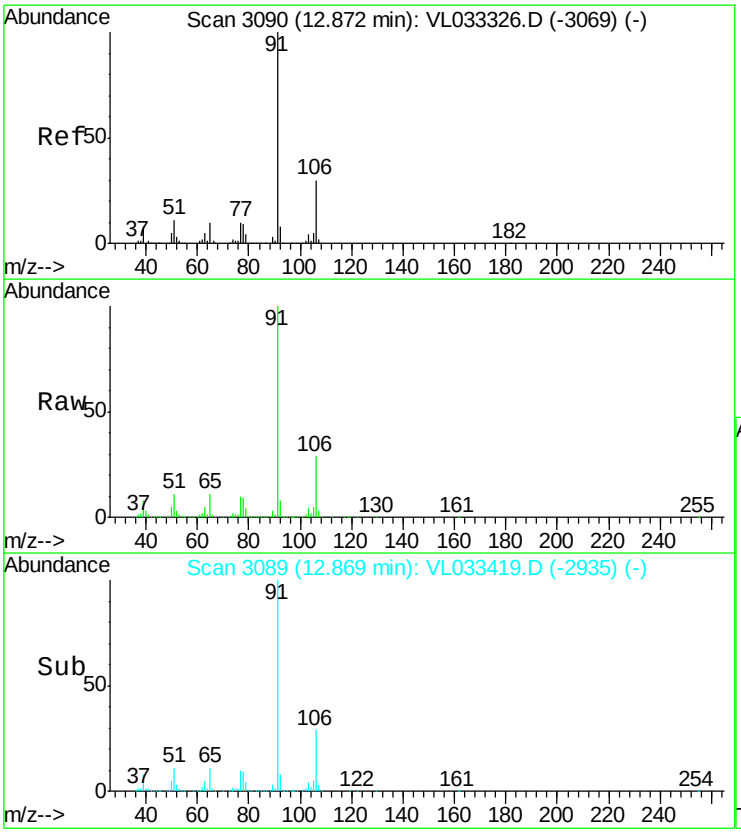
#57
Chlorobenzene
Concen: 11.196 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:112 Resp: 2357126

Ion	Ratio	Lower	Upper
112	100		
77	70.5	55.8	83.6
114	32.5	28.6	35.0

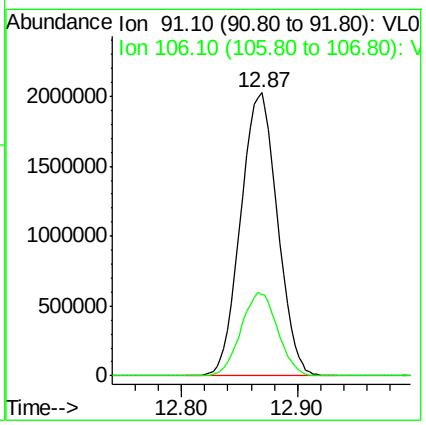


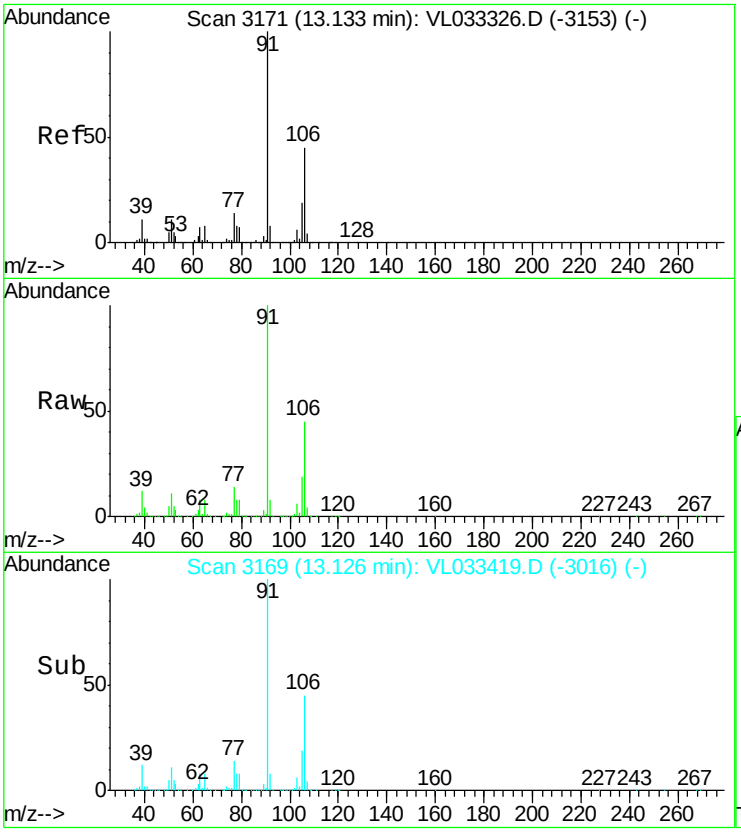


#58
Ethyl Benzene
Concen: 11.903 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 91 Resp: 4475983

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.2	36.2



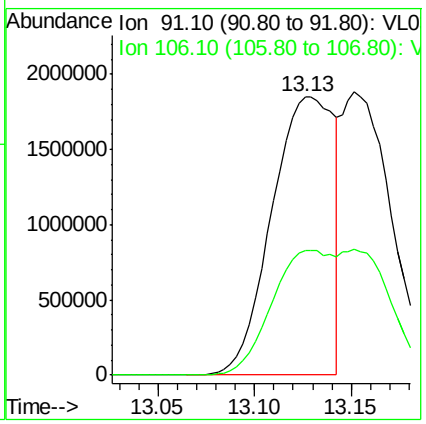


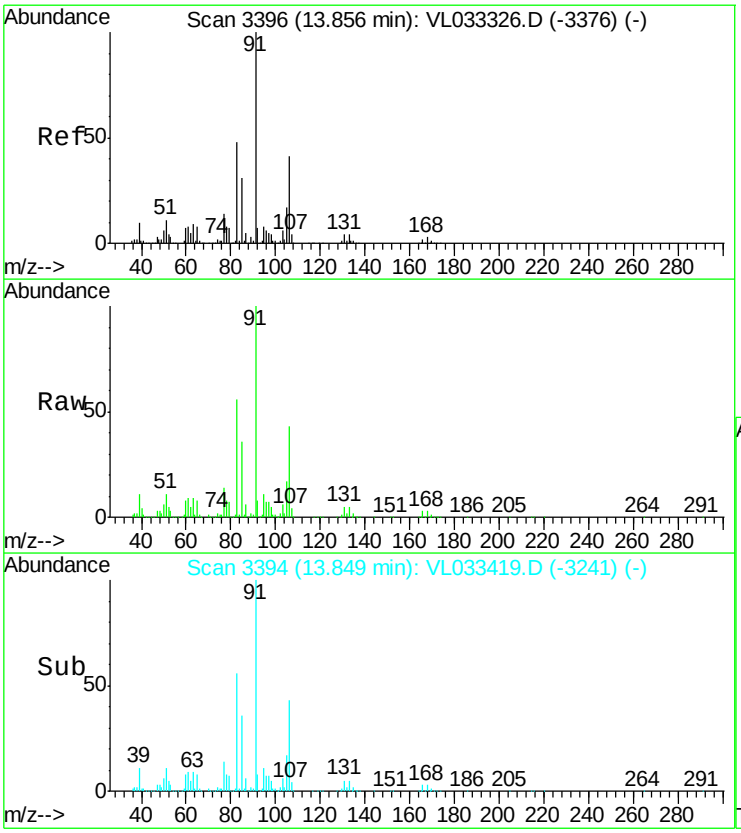
#59
m/p-Xylene
Concen: 12.720 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 4110902

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

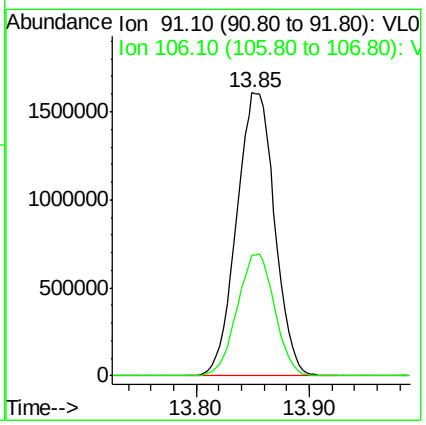


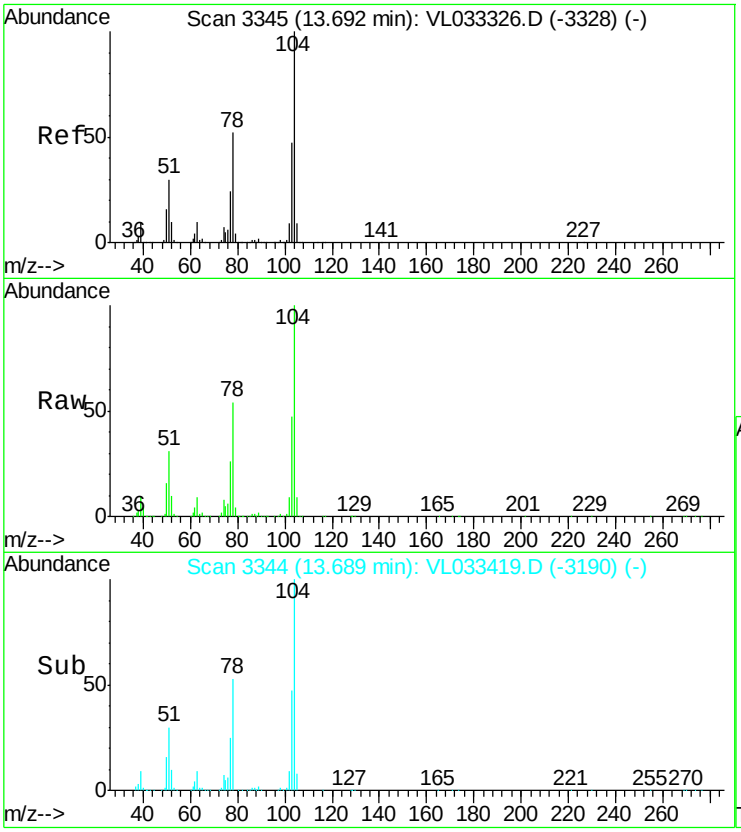


#60
o-Xylene
Concen: 11.910 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 91 Resp: 3754905

Ion	Ratio	Lower	Upper
91	100		
106	42.4	21.3	63.9



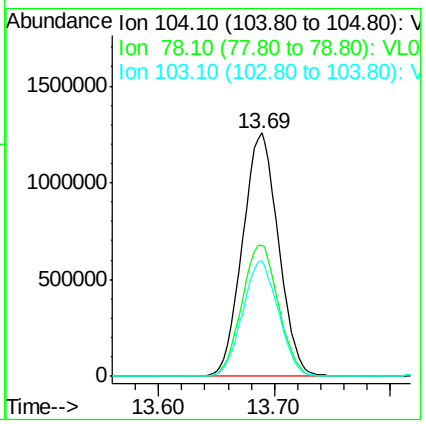


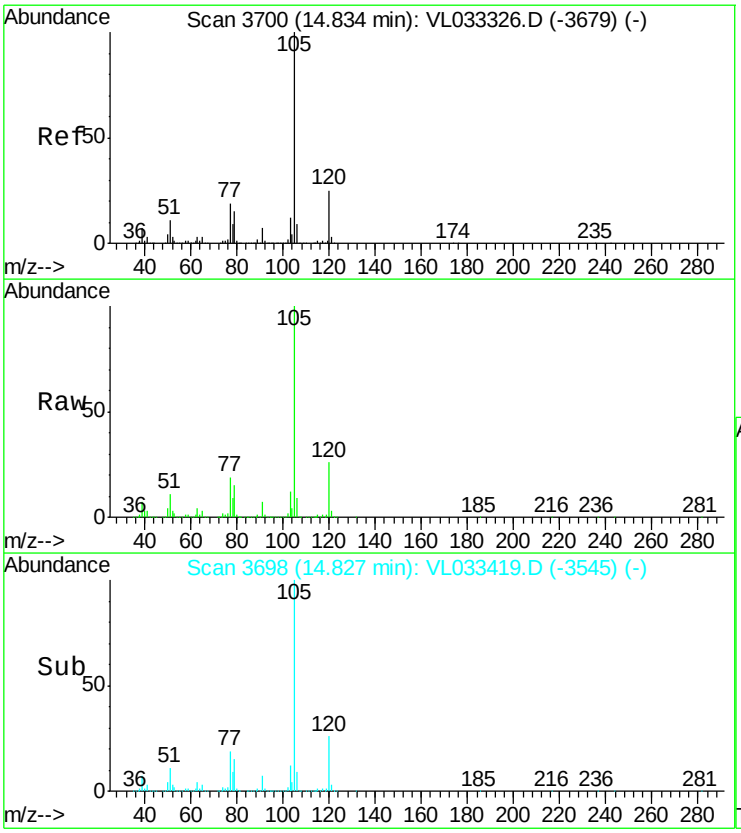
#61
Styrene
Concen: 12.259 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 2706065

Ion	Ratio	Lower	Upper
104	100		
78	55.1	42.7	64.1
103	47.5	38.0	57.0

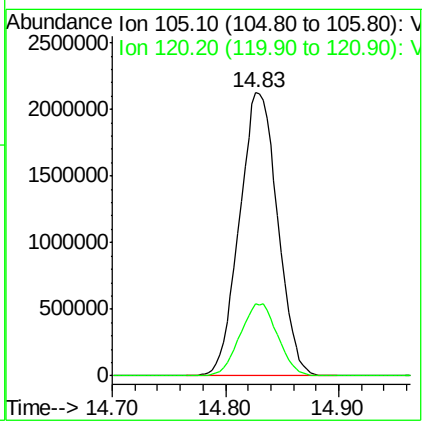


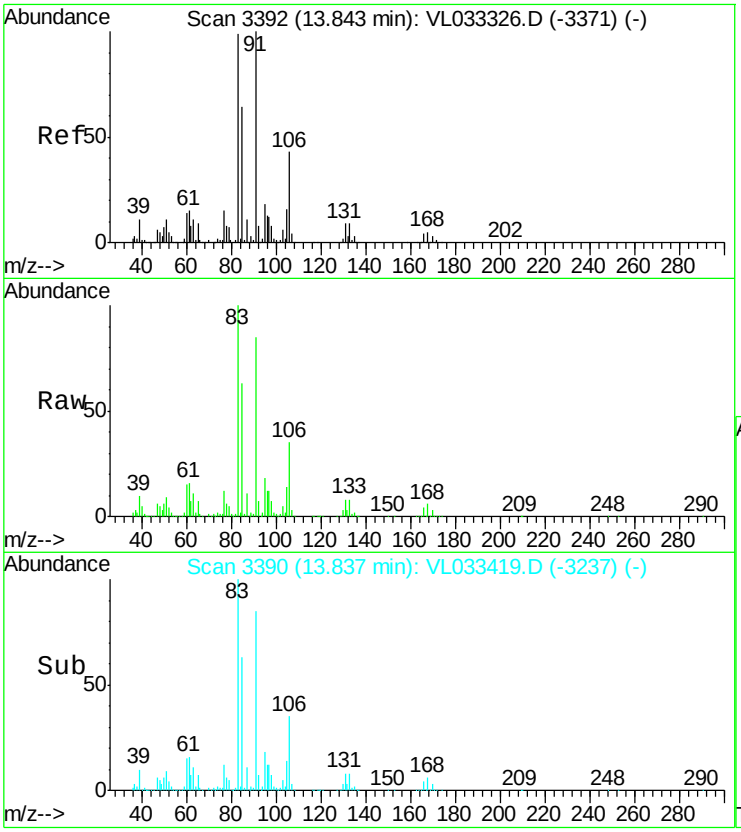


#62
Isopropylbenzene
Concen: 11.362 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:105 Resp: 4980227

Ion	Ratio	Lower	Upper
105	100		
120	25.2	19.9	29.9



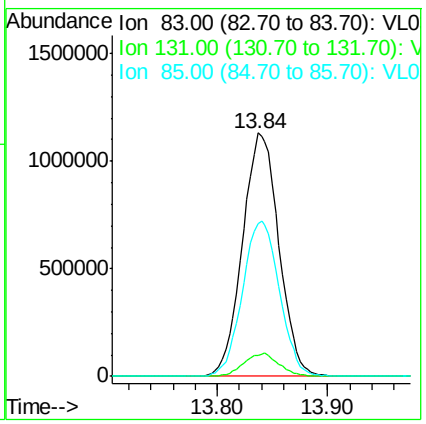


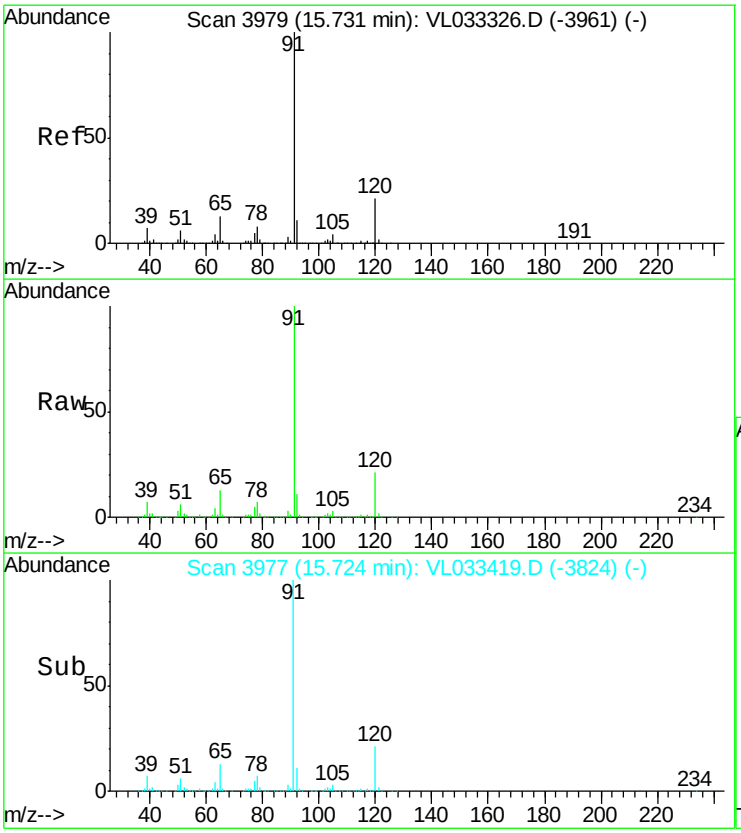
#63
1,1,2,2-Tetrachloroethane
Concen: 11.340 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2584575

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	64.9	32.5	97.4

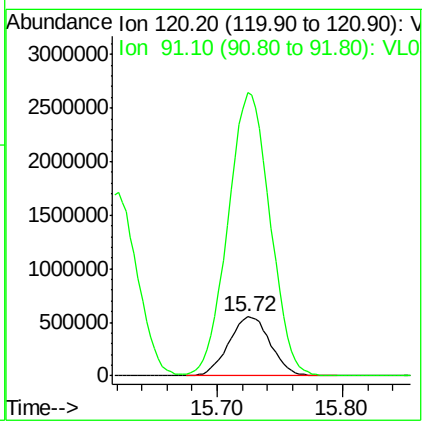


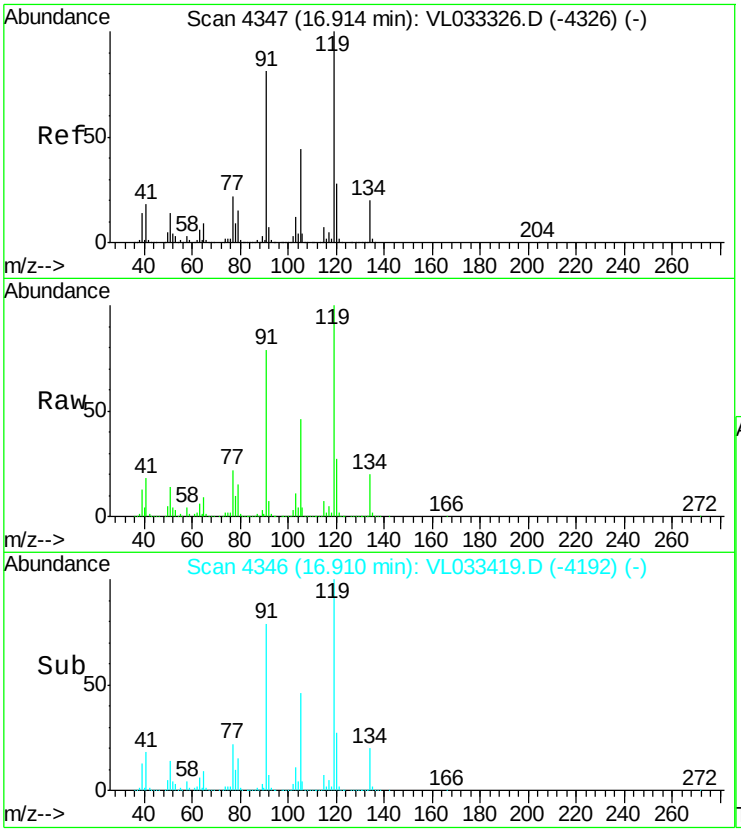


#64
n-propylbenzene
Concen: 11.511 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:120 Resp: 1276686

Ion	Ratio	Lower	Upper
120	100		
91	484.0	389.8	584.6



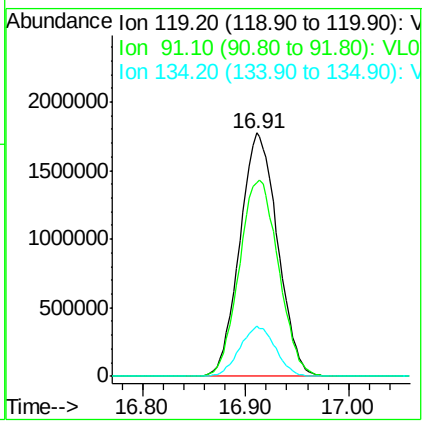


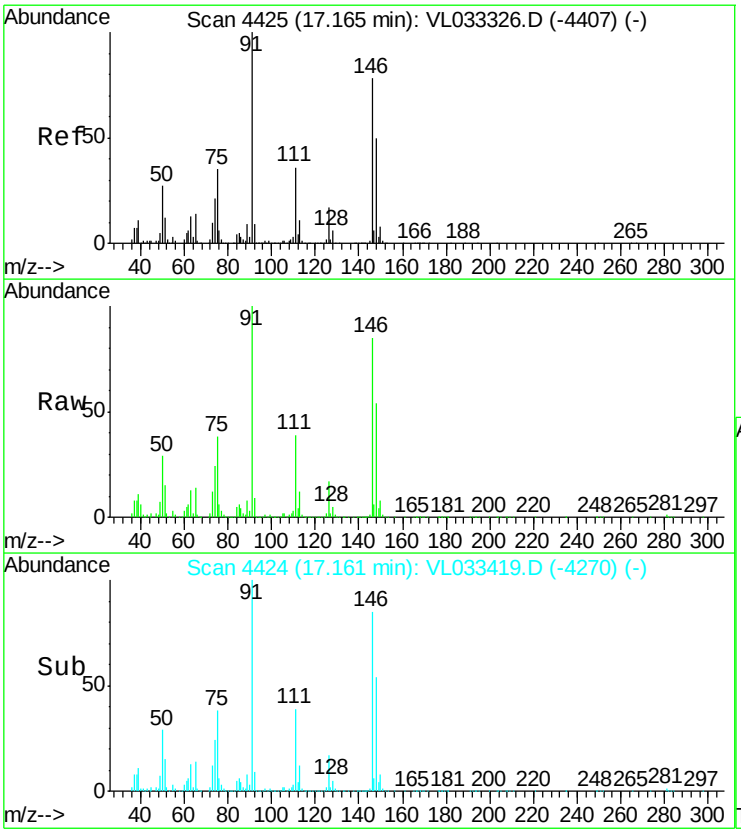
#65
tert-Butylbenzene
Concen: 11.450 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 4518276

Ion	Ratio	Lower	Upper
119	100		
91	84.1	67.2	100.8
134	19.4	15.4	23.2

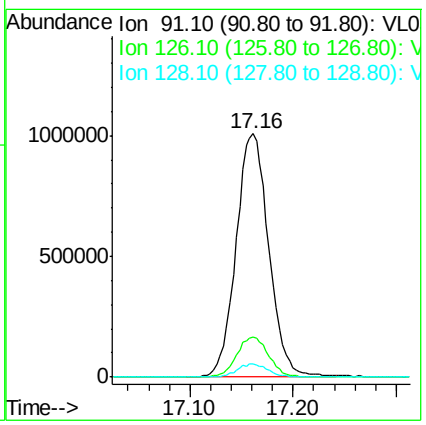


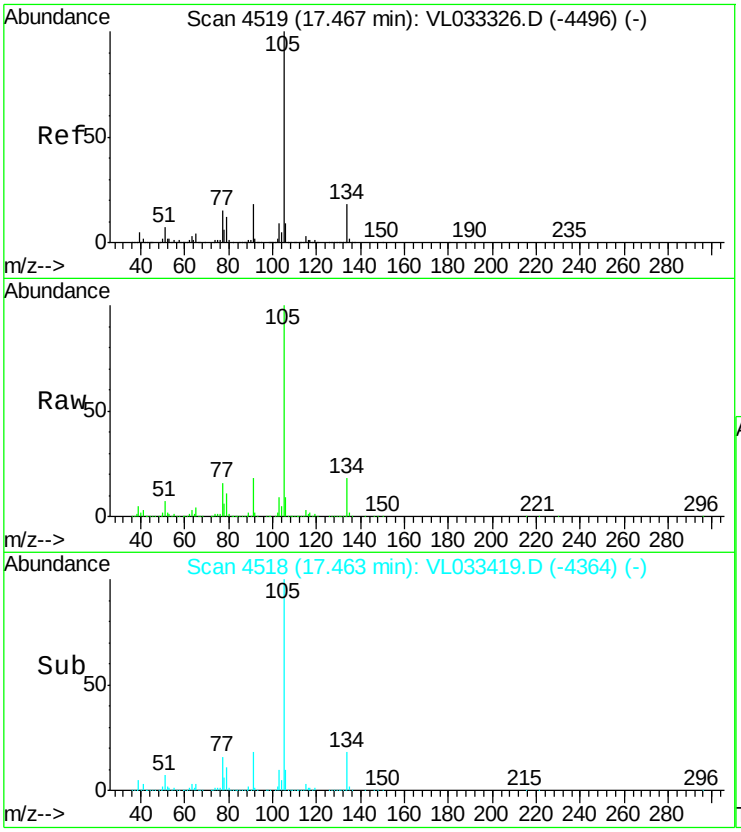


#66
Benzyl Chloride
Concen: 13.600 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 91 Resp: 2217783

Ion	Ratio	Lower	Upper
91	100		
126	16.2	13.2	19.8
128	5.2	4.2	6.4



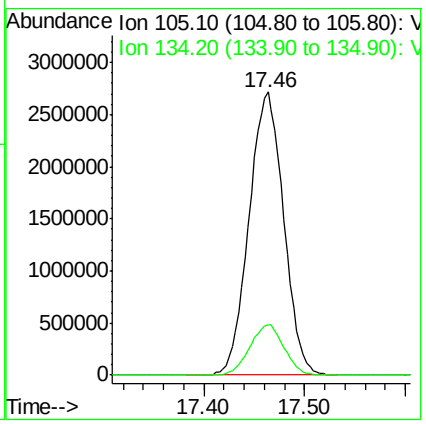


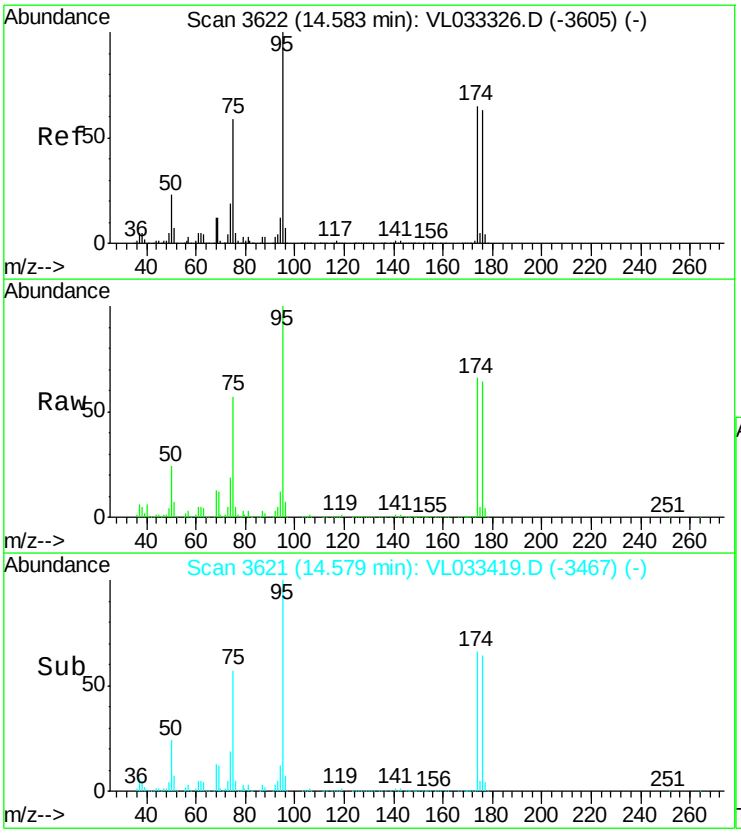
#67
sec-Butylbenzene
Concen: 11.552 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 6459690

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.2	21.4

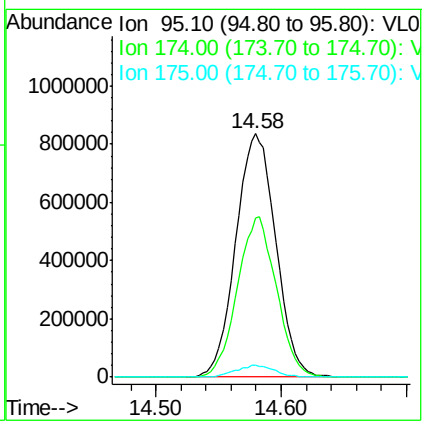


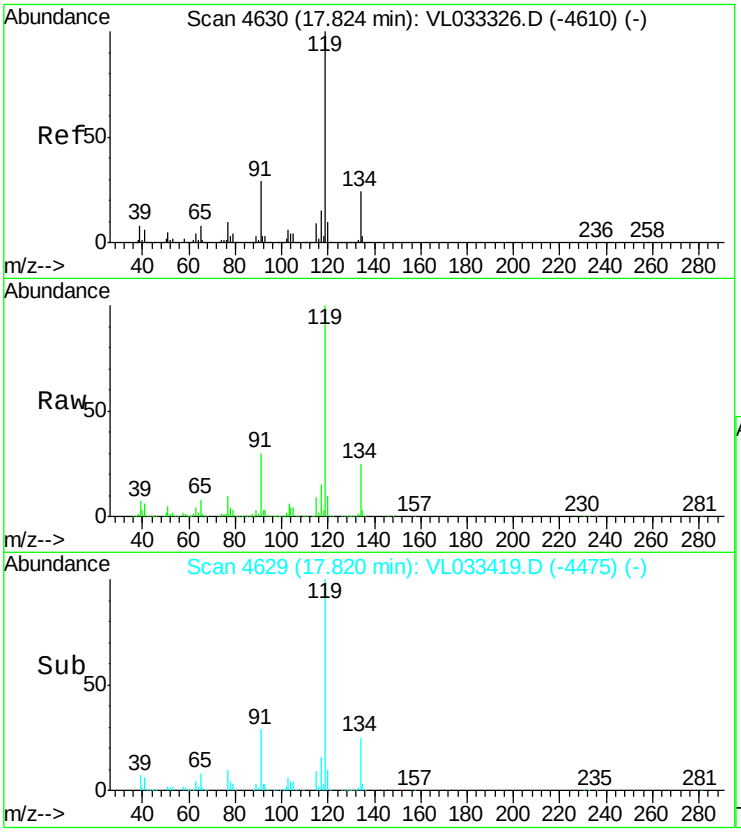


#68
1-Bromo-4-Fluorobenzene
Concen: 9.335 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 95 Resp: 1838696

Ion	Ratio	Lower	Upper
95	100		
174	64.6	51.5	77.3
175	4.8	3.8	5.6



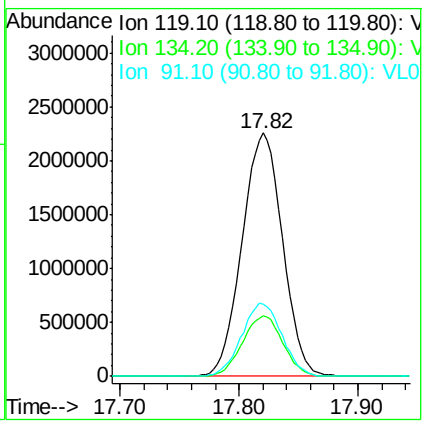


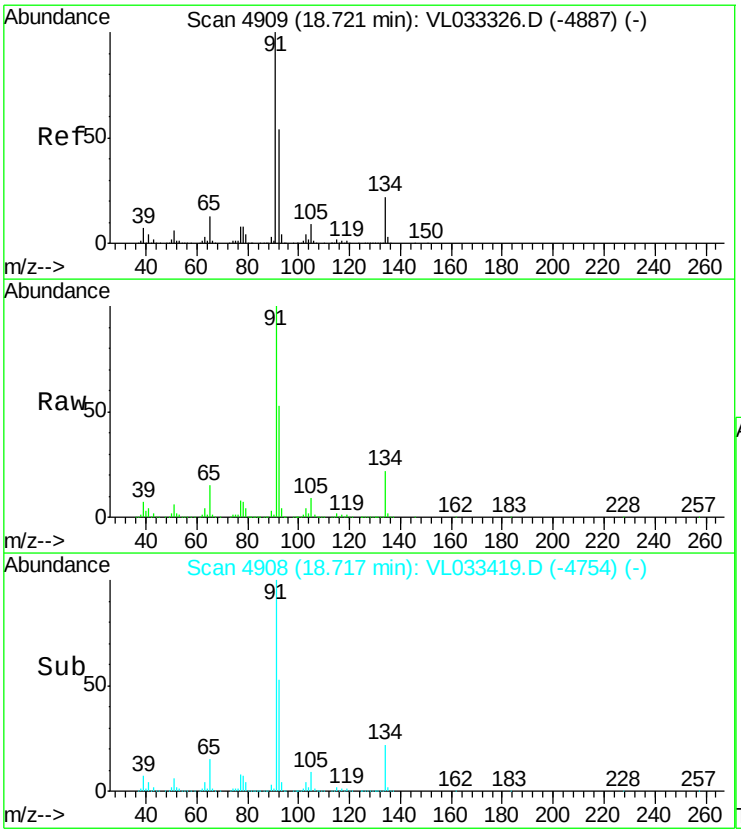
#69
p-Isopropyltoluene
Concen: 11.618 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 5307510

Ion	Ratio	Lower	Upper
119	100		
134	24.9	19.8	29.6
91	30.2	23.4	35.2

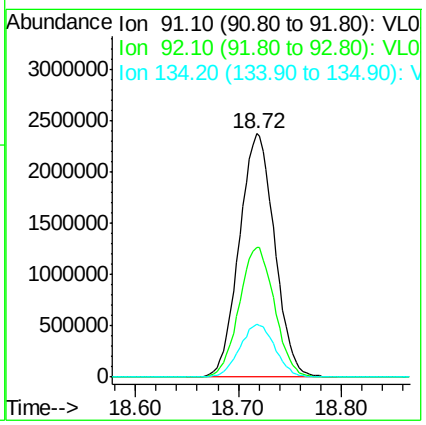


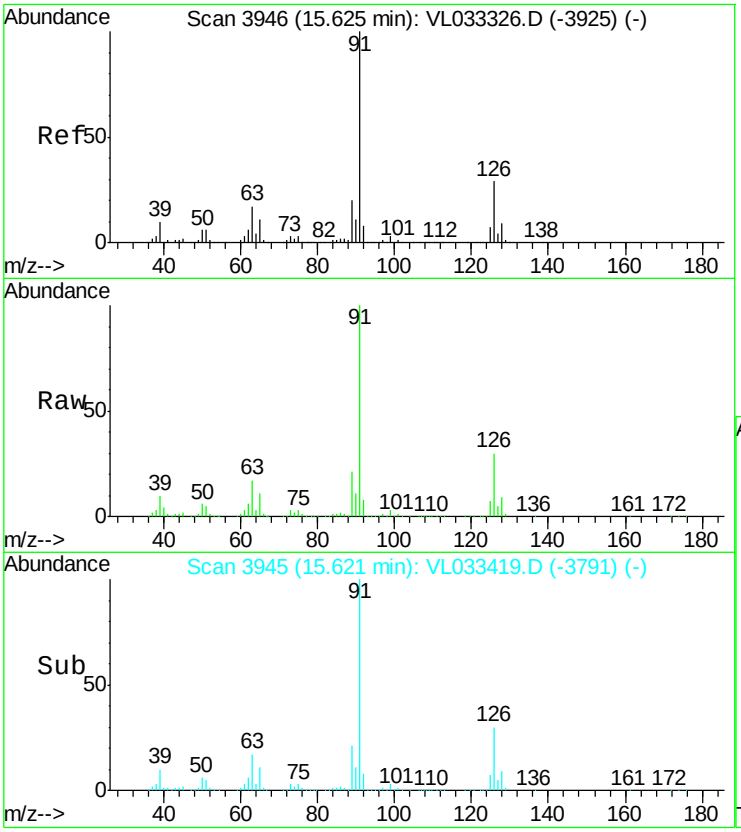


#70
n-Butylbenzene
Concen: 11.593 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion: 91 Resp: 5647311

Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.8	64.2
134	21.6	17.4	26.0



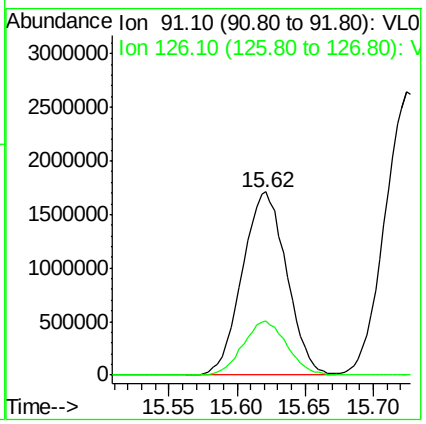


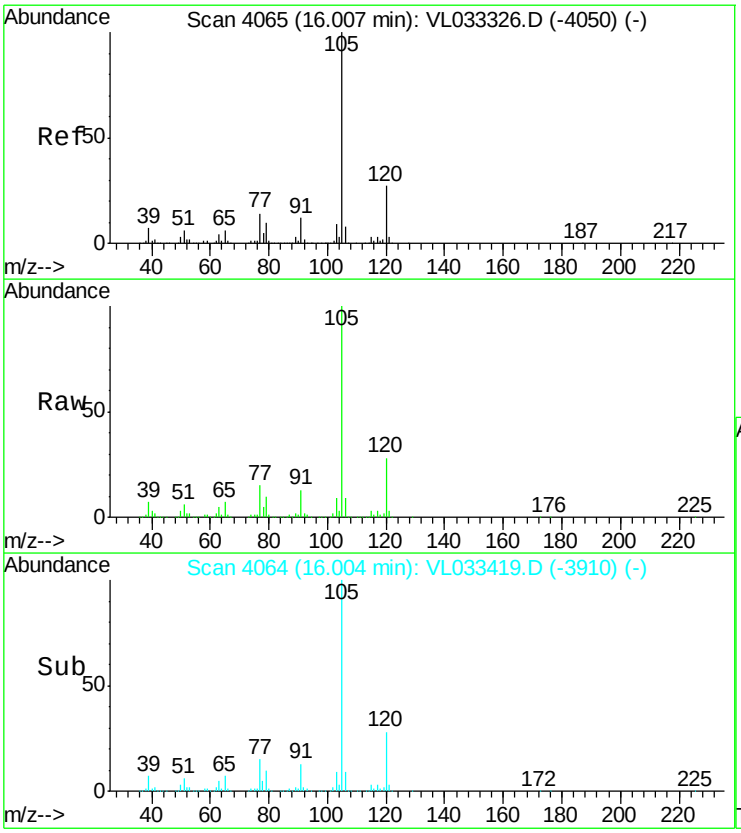
#71
2-Chlorotoluene
Concen: 11.311 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 3859337

Ion	Ratio	Lower	Upper
91	100		
126	29.1	11.6	46.6

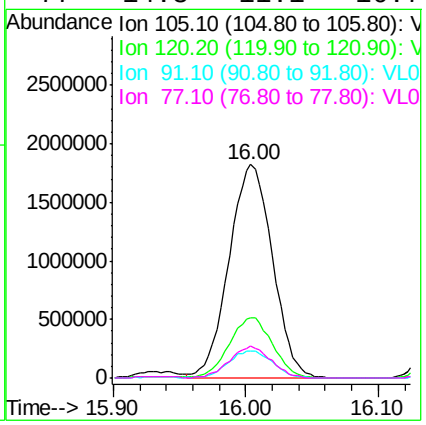


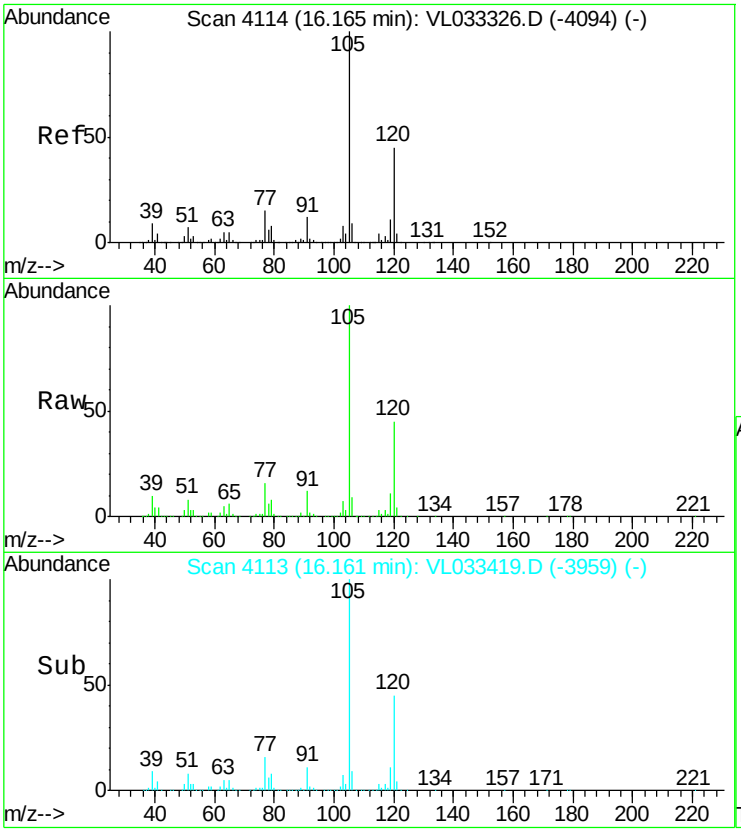


#72
4-Ethyltoluene
Concen: 11.545 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:105 Resp: 4133598

Ion	Ratio	Lower	Upper
105	100		
120	28.5	22.9	34.3
91	13.0	10.2	15.2
77	14.3	11.1	16.7



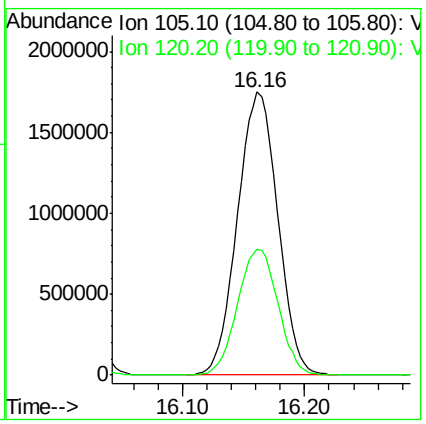


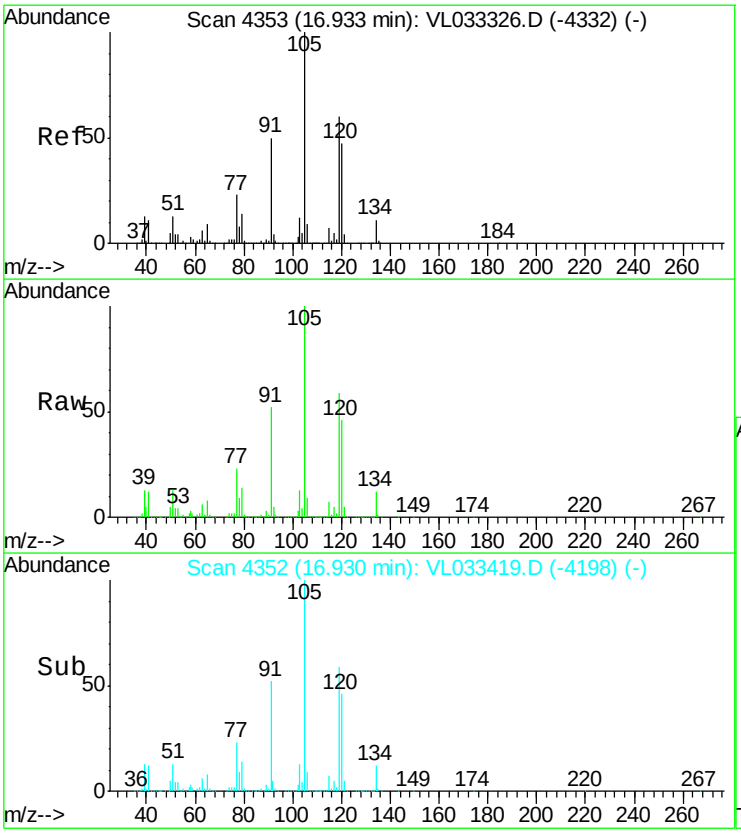
#73
1,3,5-Trimethylbenzene
Concen: 11.431 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 3987128

Ion	Ratio	Lower	Upper
105	100		
120	44.7	36.2	54.4

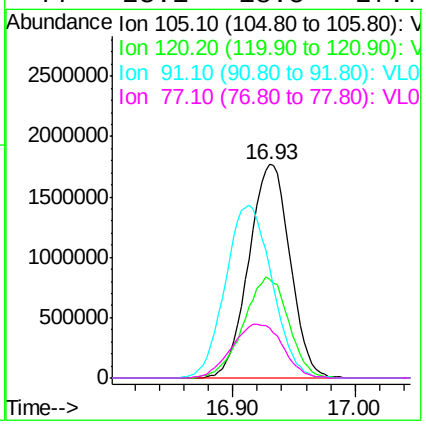


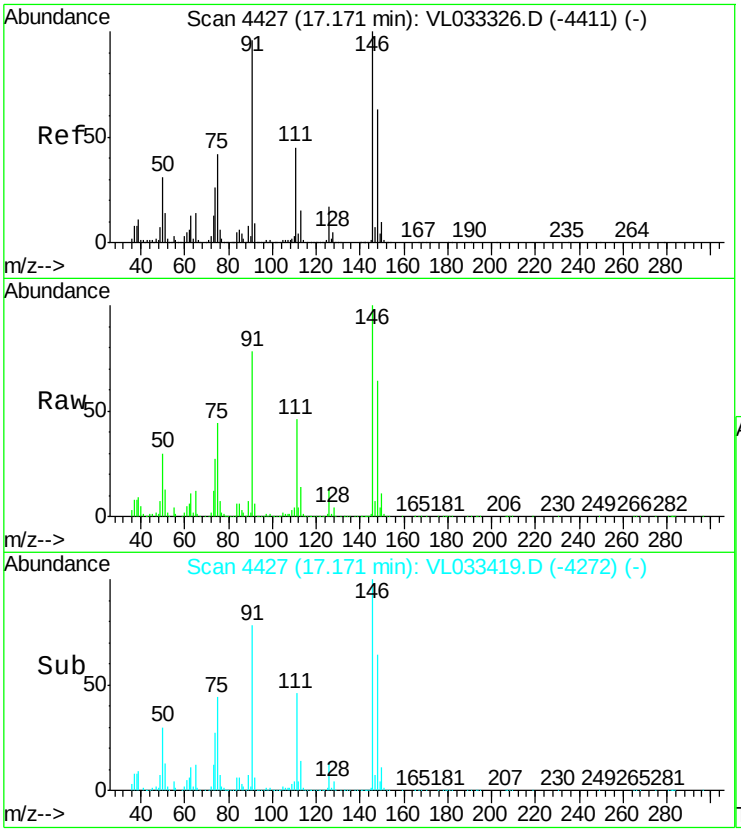


#74
1,2,4-Trimethylbenzene
Concen: 11.229 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:105 Resp: 4147995

Ion	Ratio	Lower	Upper
105	100		
120	46.1	37.4	56.2
91	51.6	41.0	61.4
77	23.1	18.5	27.7



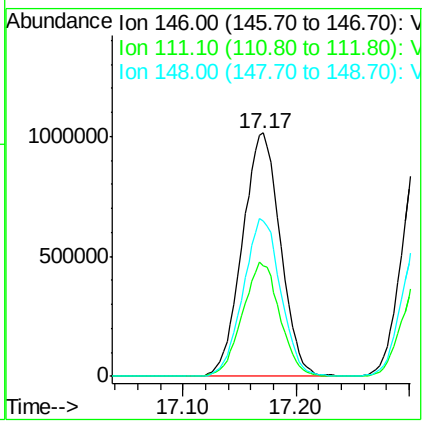


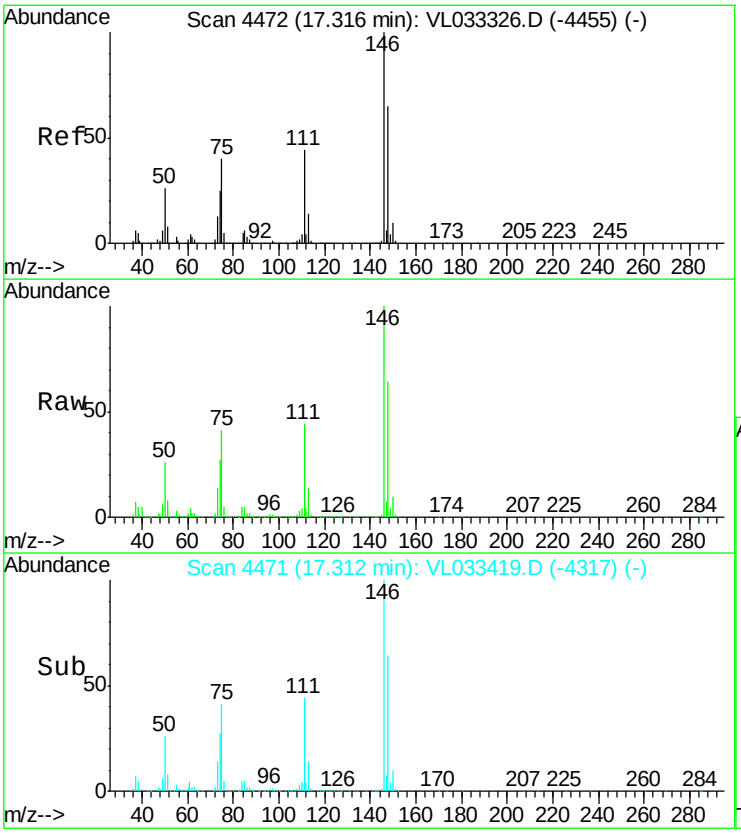
#75
1,3-Dichlorobenzene
Concen: 10.892 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 2371427

Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.8	68.3
148	64.0	31.9	95.7

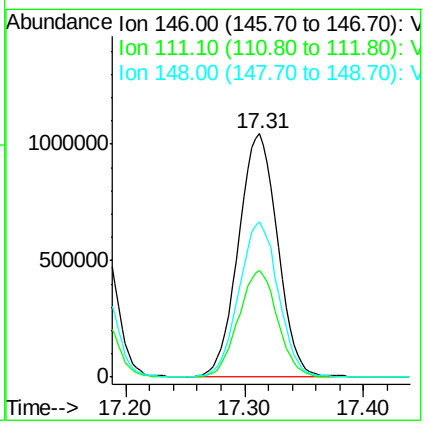


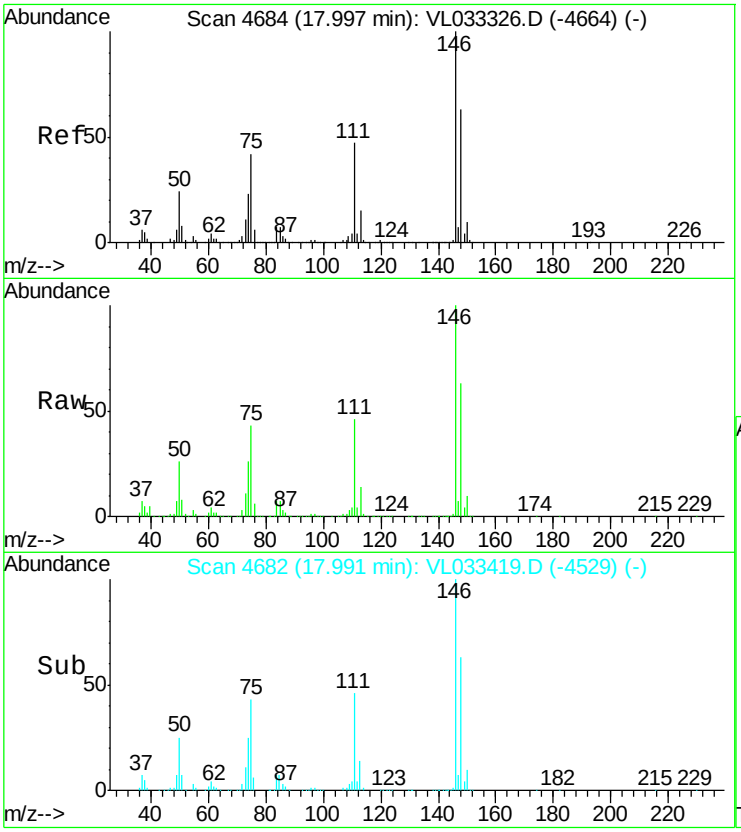


#76
1,4-Dichlorobenzene
Concen: 11.237 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:146 Resp: 2368812

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.7
148	64.5	32.1	96.5



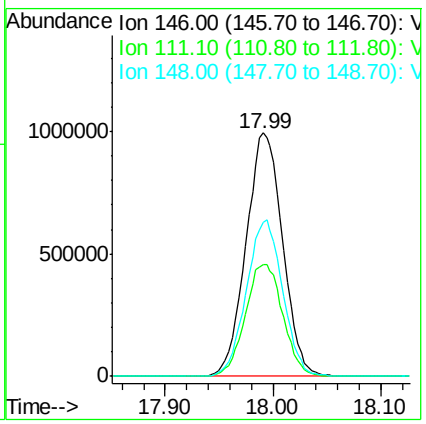


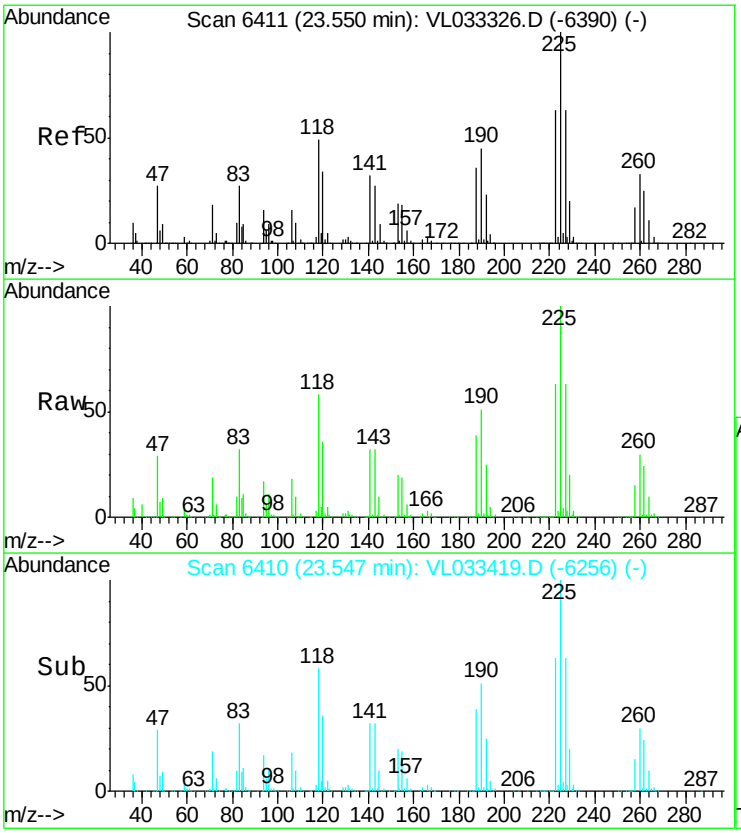
#77
1,2-Dichlorobenzene
Concen: 11.345 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:146 Resp: 2339434

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.5	70.6
148	63.8	31.9	95.9

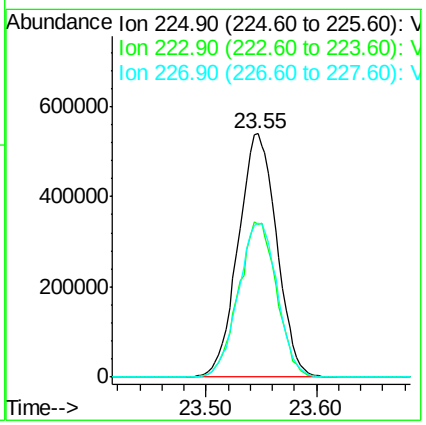


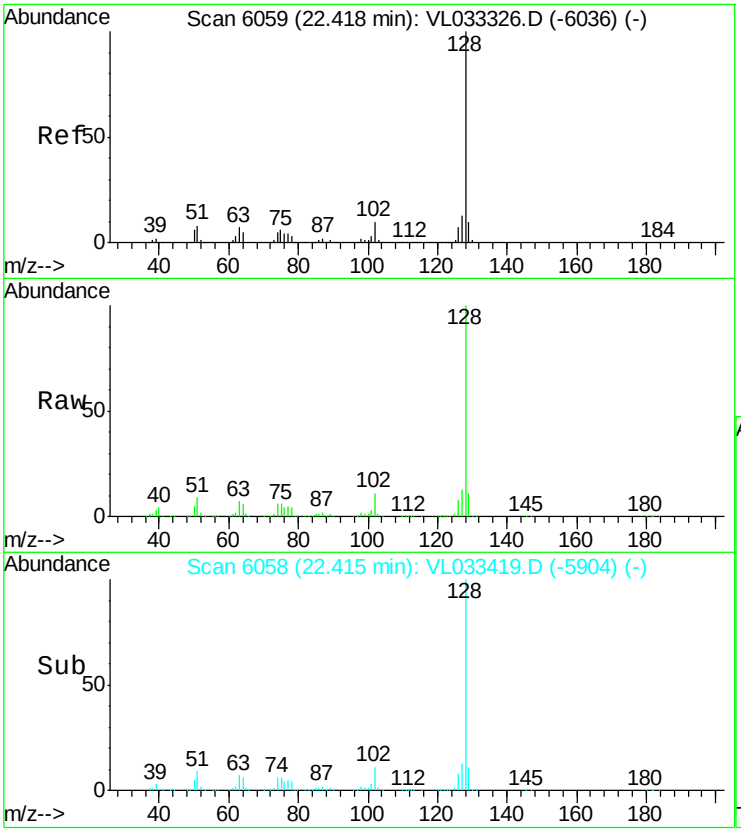


#78
Hexachloro-1,3-Butadiene
Concen: 10.564 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:225 Resp: 1306033

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	64.2	50.5	75.7



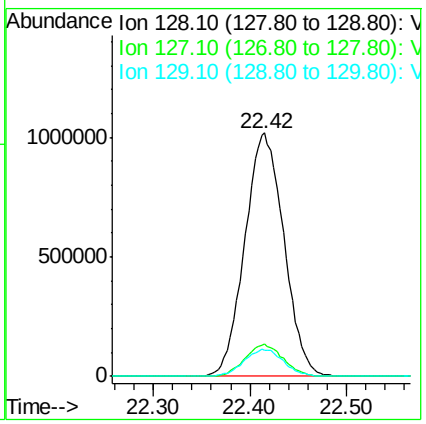


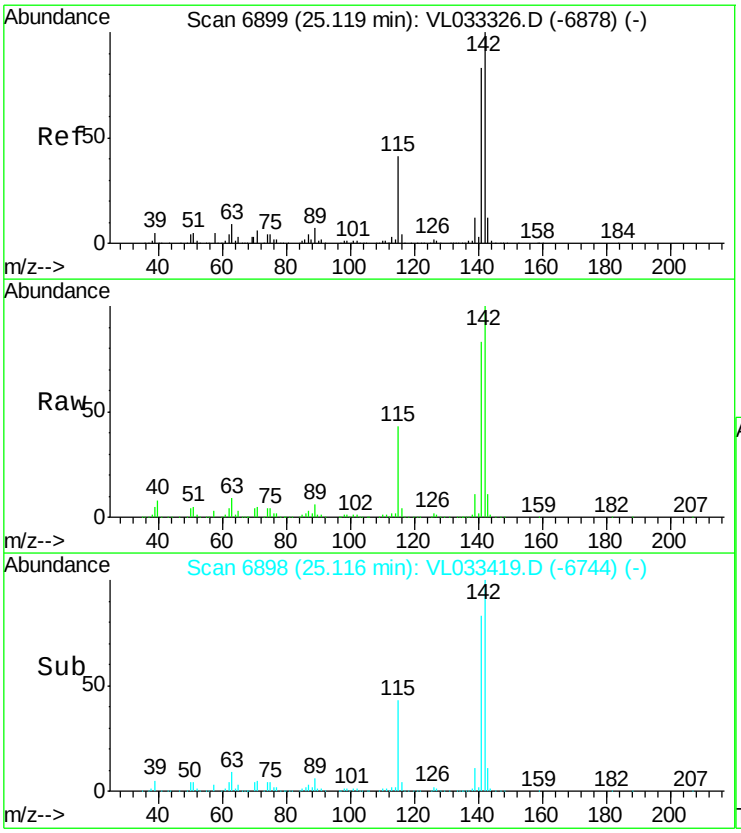
#79
Naphthalene
Concen: 8.037 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 2860913

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	10.9	8.2	12.2

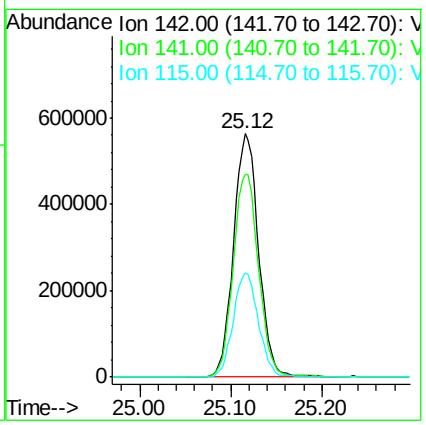


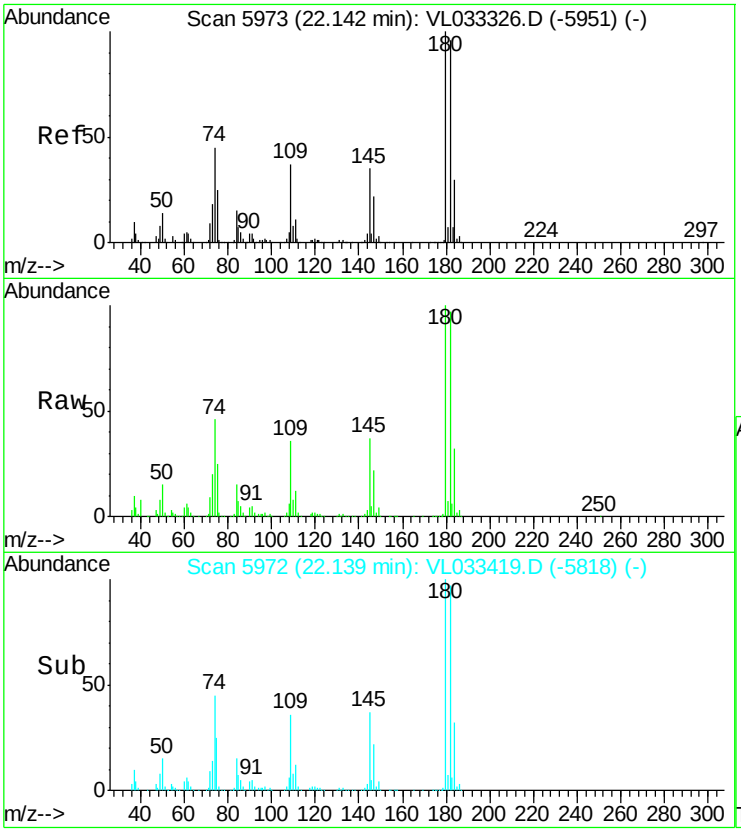


#80
Naphthalene,2-methyl-
Concen: 6.380 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Tgt Ion:142 Resp: 1076868

Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.1	100.7
115	43.4	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 8.249 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.00 min
Lab File: VL033419.D
Acq: 21 Mar 2019 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1497457

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
184	30.8	24.6	37.0