Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

Quantitation Report (Not Reviewed)

Data File : VL033183.D
Acq On : 6 Feb 2019 18:33
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Feb 20 06:19:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019
QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1024470	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2289715	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3018301	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1896469	8.06	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1544968	7.888	ppbv	98
3) Chlorodifluoromethane	3.01	51	963188	7.808	ppbv	99
4) Chloromethane	3.17	50	517121	7.939	ppbv	98
5) Vinyl Chloride	3.29	62	497017	7.308	ppbv	99
6) Bromomethane	3.52	94	300584	8.041	ppbv	94
7) Chloroethane	3.60	64	174710	7.858	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1184010	7.729	ppbv	98
9) Propene	3.04	41	440469	7.392	ppbv	99
10) Heptane	8.25	43	1415100	7.850	ppbv	100
11) Trichlorofluoromethane	4.00	101	1319236	8.320	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	860334	7.829	ppbv	99
13) Ethanol	3.65	45	101551	5.015	ppbv	100
14) Bromoethene	3.79	108	389281	8.215	ppbv	100
15) Acetone	3.90	43	872352	7.558	ppbv	99
16) 1,3-Butadiene	3.36	39	415753	7.588	ppbv	97
17) tert-Butyl alcohol	4.35	59	178775	8.063	ppbv	100
18) 1,1-Dichloroethene	4.35	96	395058	8.031	ppbv	96
19) Isopropyl Alcohol	4.02	45	627091	8.011	ppbv	100
20) Methylene Chloride	4.41	84	340483	7.416	ppbv	96
21) Allyl Chloride	4.48	41	629906	8.265	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	434962	9.105	ppbv	97
23) Vinyl Acetate	5.16	43	1890871	9.452	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1269332	8.971	ppbv	99
25) Ethyl Acetate	5.77	43	2275256	8.767	ppbv	100
26) Hexane	5.78	57	1019868	8.371	ppbv	99
27) Carbon Disulfide	4.62	76	975329	8.739	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1471921	8.842	ppbv	99
29) Chloroform	5.85	83	1693822	9.073	ppbv	97
30) Cyclohexane	7.25	84	847896	7.501	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	1103079	9.046	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1622176	7.891	ppbv	99
34) 2-Butanone	5.33	43	1534459	10.565	ppbv	99
35) Carbon Tetrachloride	7.13	117	1664143	9.517	ppbv	98
36) Benzene	7.01	78	2151306	9.270	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1314262	10.219	ppbv	99
38) Trichloroethene	7.97	130	790186	7.968	ppbv	93
39) 1,2-Dichloropropane	7.74	63	845951	9.231	ppbv	98
40) 1,4-Dioxane	7.95	88	300235	9.227	ppbv	95
41) Tetrahydrofuran	6.15	42	911497	10.152	ppbv	99
42) Bromodichloromethane	7.92	83	1863935	10.001	ppbv	98
43) Methyl Methacrylate	8.14	69	898319	9.642	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

Quantitation Report (Not Reviewed)

Data File : VL033183.D
Acq On : 6 Feb 2019 18:33
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Feb 20 06:19:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019
QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3630330	9.232	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1194172	11.575	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	1363726	10.345	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	902000	9.491	ppbv		97
48) Dibromochloromethane	10.45	129	1554836	10.384	ppbv		100
49) Bromoform	13.21	173	1350704	10.484	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	2261612	9.711	ppbv		98
51) 2-Hexanone	10.27	43	1822748	9.926	ppbv		100
52) Tetrachloroethene	11.38	164	767567	8.609	ppbv		97
53) Toluene	9.95	91	2584351	9.405	ppbv		99
54) 1,2-Dibromoethane	10.77	107	1438280	9.644	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1046651	7.446	ppbv		98
57) Chlorobenzene	12.31	112	1833567	6.865	ppbv		95
58) Ethyl Benzene	12.87	91	3512052	7.089	ppbv		100
59) m/p-Xylene	13.16	91	2731068	6.627	ppbv	#	27
60) o-Xylene	13.86	91	2782471	6.924	ppbv		99
61) Styrene	13.69	104	2152732	7.096	ppbv		99
62) Isopropylbenzene	14.83	105	3948604	6.964	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1933540	6.163	ppbv		99
64) n-propylbenzene	15.73	120	1009494	7.003	ppbv		97
65) tert-Butylbenzene	16.92	119	3422925	6.933	ppbv		98
66) Benzyl Chloride	17.16	91	1748712	9.911	ppbv		99
67) sec-Butylbenzene	17.46	105	4990038	6.962	ppbv		99
69) p-Isopropyltoluene	17.82	119	4101056	6.871	ppbv		99
70) n-Butylbenzene	18.72	91	4472442	6.945	ppbv		99
71) 2-Chlorotoluene	15.62	91	3138870	7.047	ppbv		99
72) 4-Ethyltoluene	16.01	105	3341282	7.209	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3179088	7.172	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	3170518	6.896	ppbv		96
75) 1,3-Dichlorobenzene	17.17	146	1829736	6.900	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	1858673	7.075	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1829180	6.981	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	1423614	10.926	ppbv		99
79) Naphthalene	22.42	128	3500006	7.084	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	1686958	6.750	ppbv		100
81) 1,2,4-Trichlorobenzene	22.15	180	1698859	6.769	ppbv		99

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

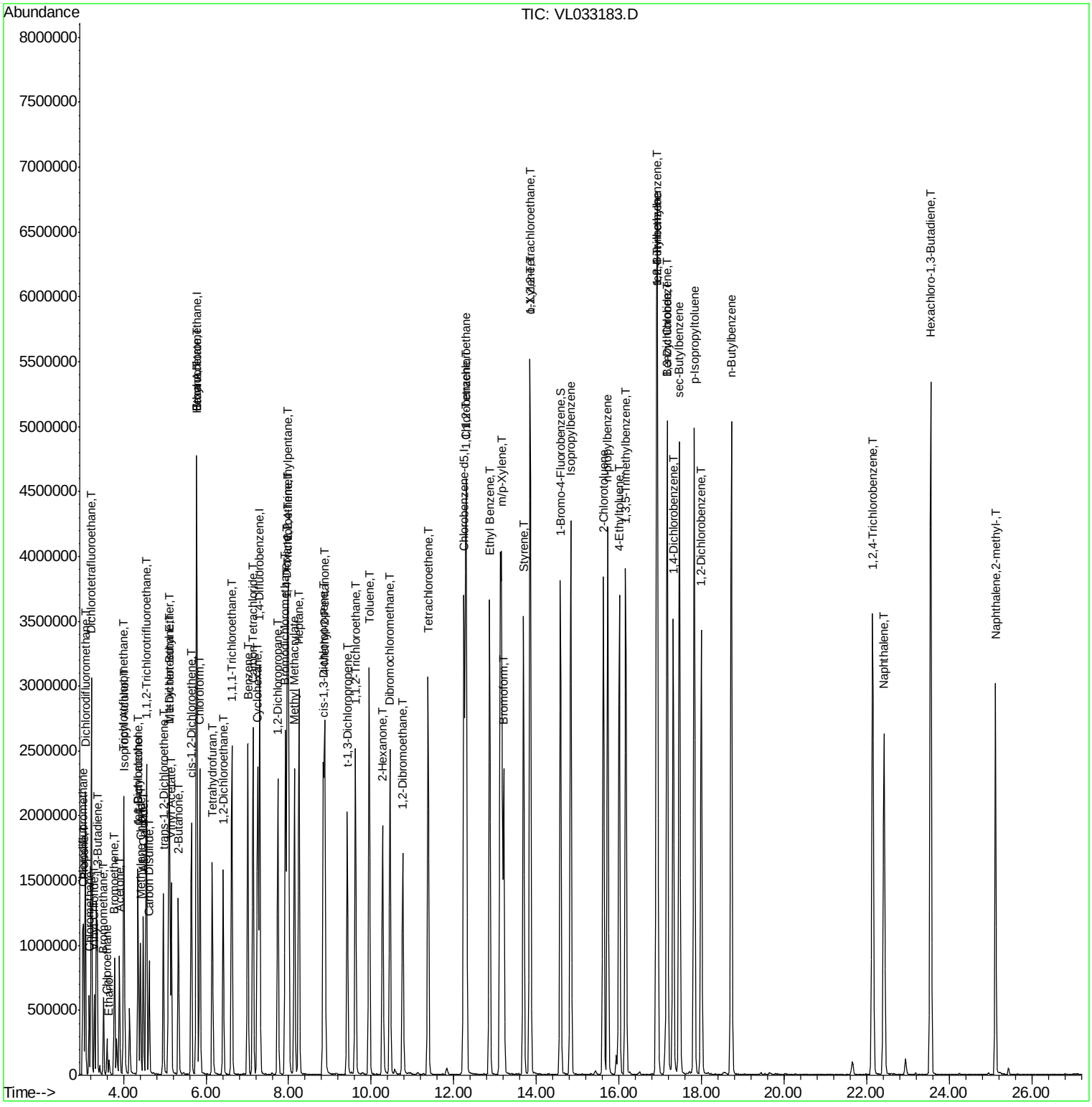
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

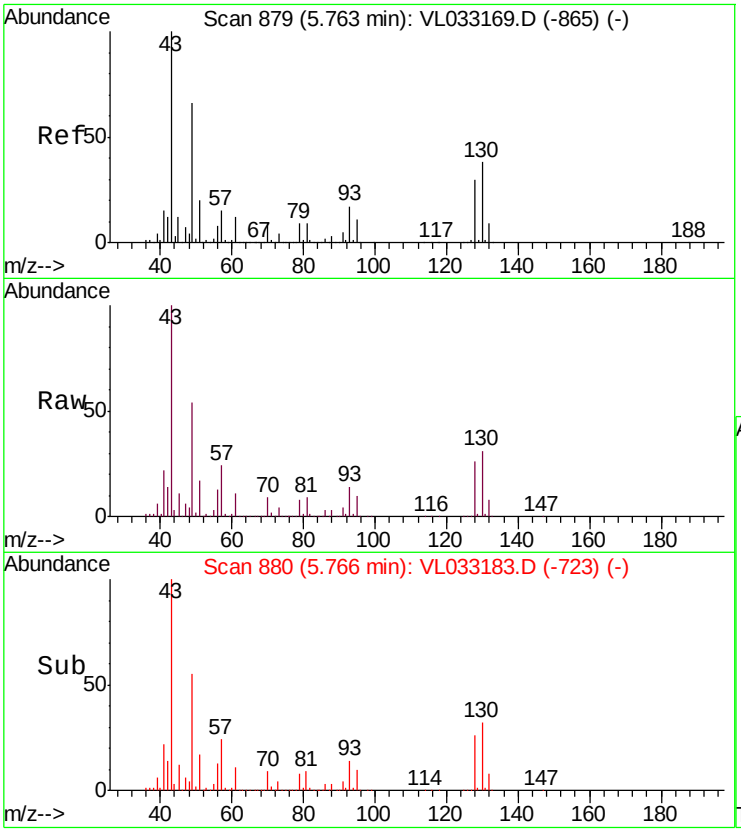
Quantitation Report (Not Reviewed)

Data File : VL033183.D
Acq On : 6 Feb 2019 18:33
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Feb 20 06:19:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019
QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration



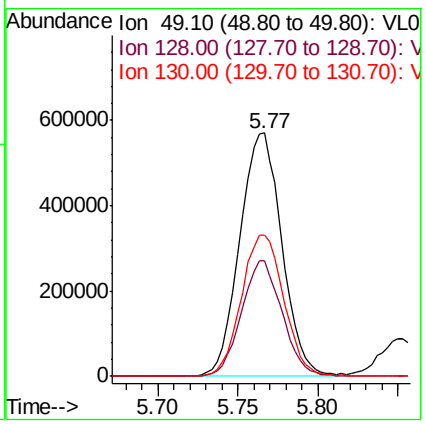


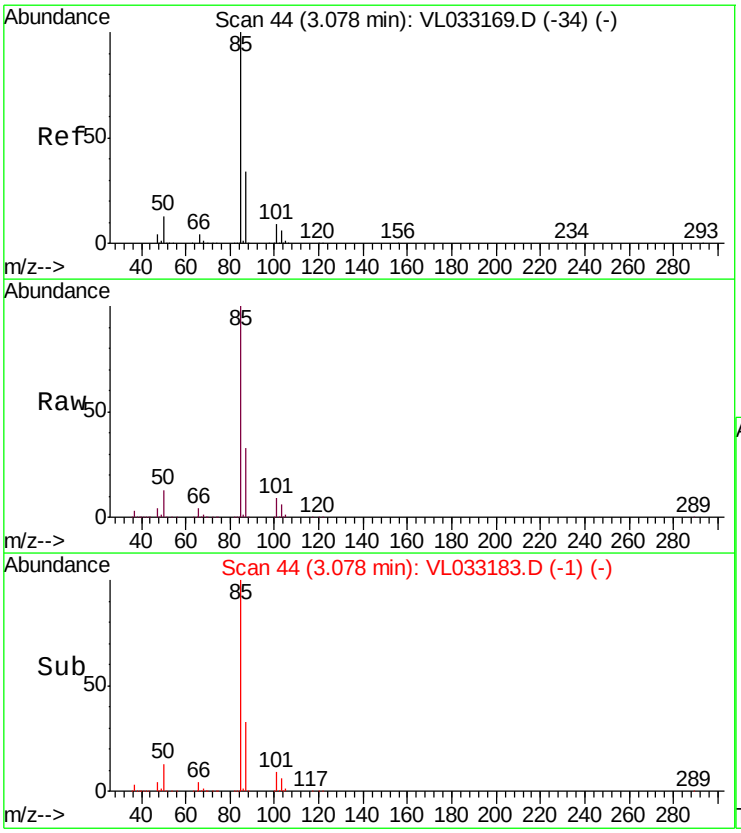
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 1024470

Ion	Ratio	Lower	Upper
49	100		
128	45.9	23.6	71.0
130	58.7	30.3	91.0

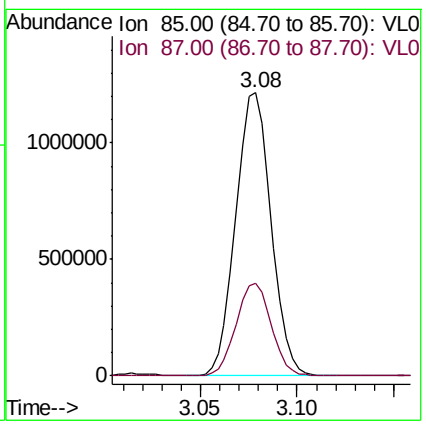


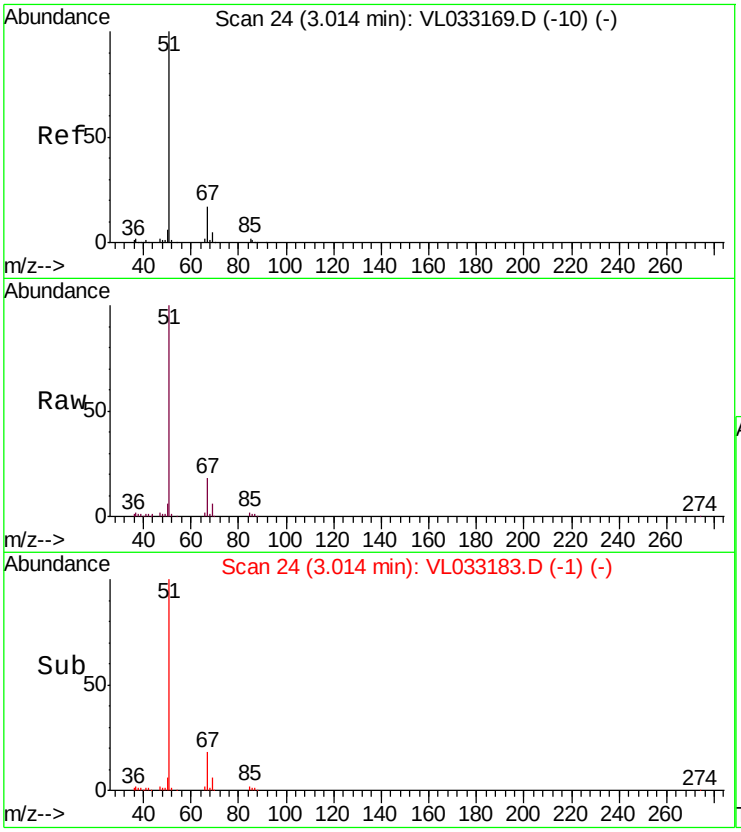


#2
Dichlorodifluoromethane
Concen: 7.888 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 85 Resp: 1544968

Ion	Ratio	Lower	Upper
85	100		
87	32.9	27.4	41.2



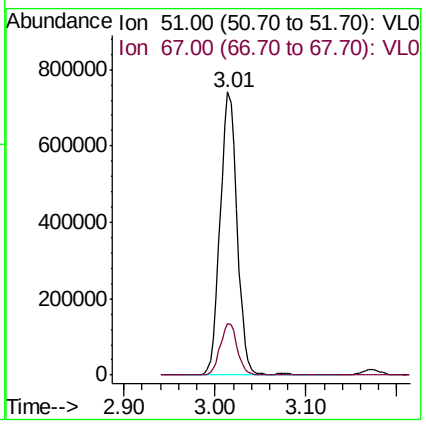


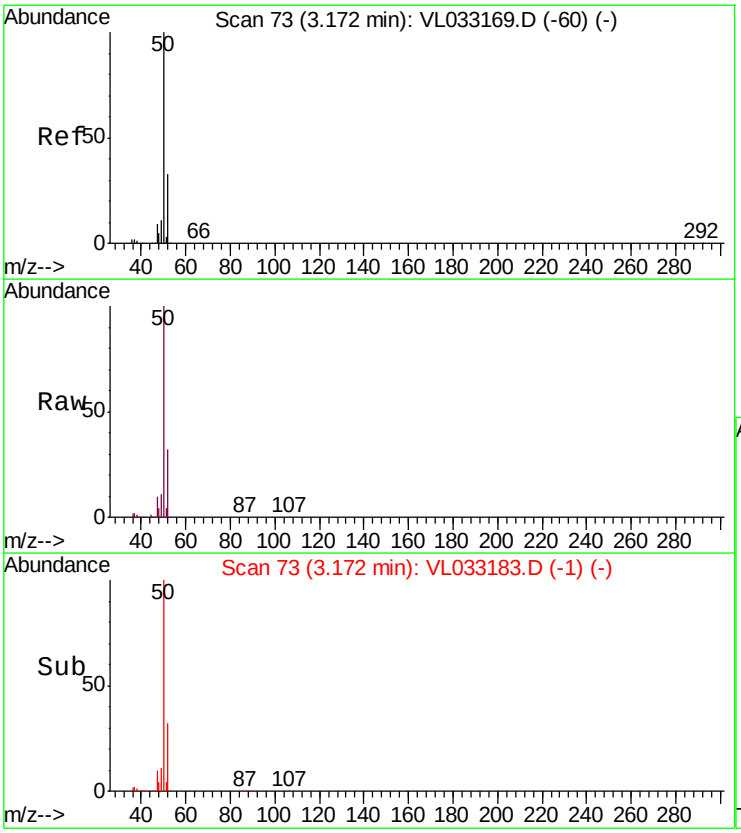
#3
Chlorodifluoromethane
Concen: 7.808 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 963188

Ion	Ratio	Lower	Upper
51	100		
67	18.1	14.0	21.0

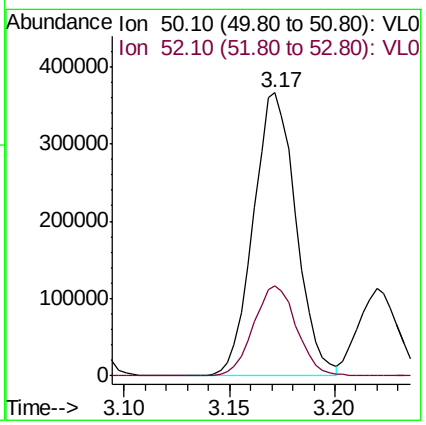


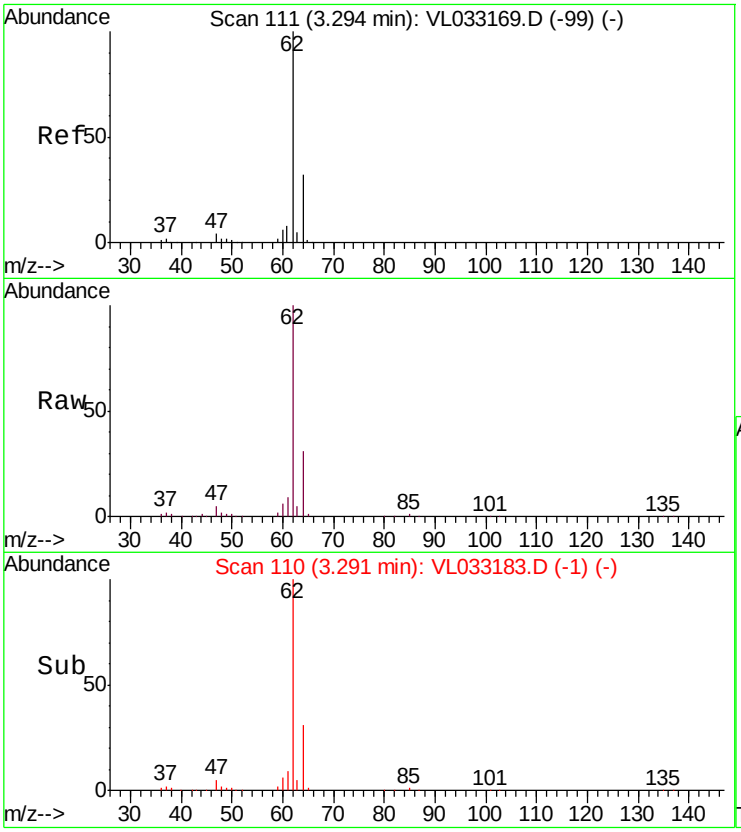


#4
Chloromethane
Concen: 7.939 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 50 Resp: 517121

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.5	39.7



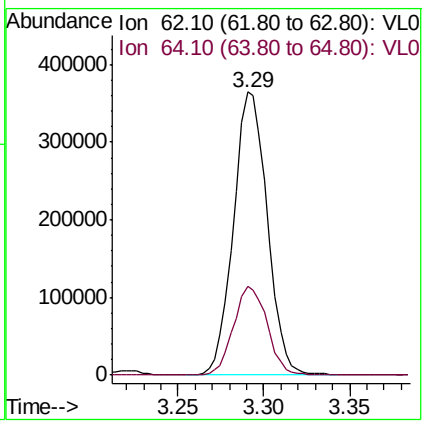


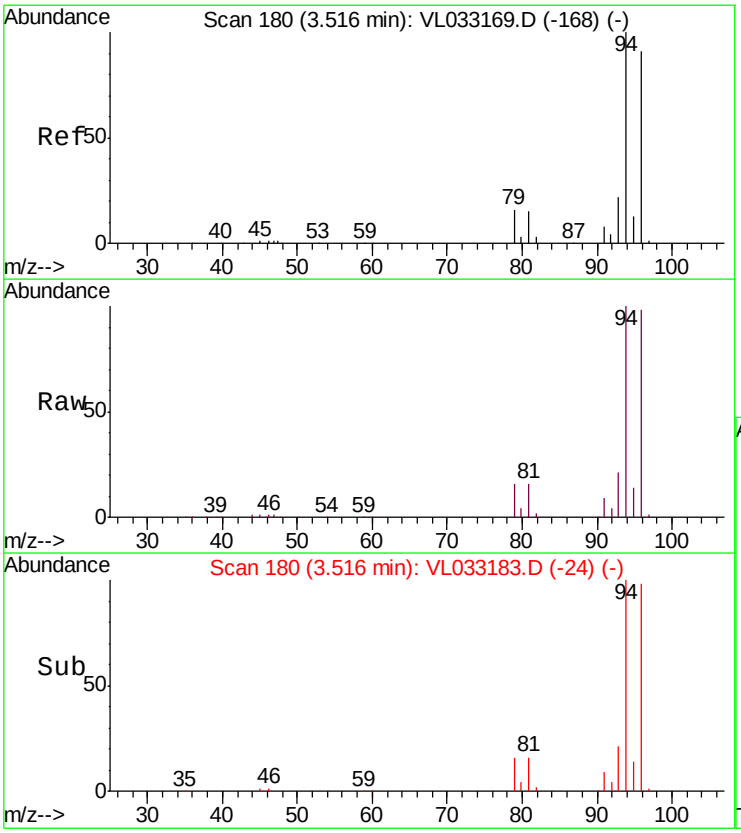
#5
Vinyl Chloride
Concen: 7.308 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 497017

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.6	38.4

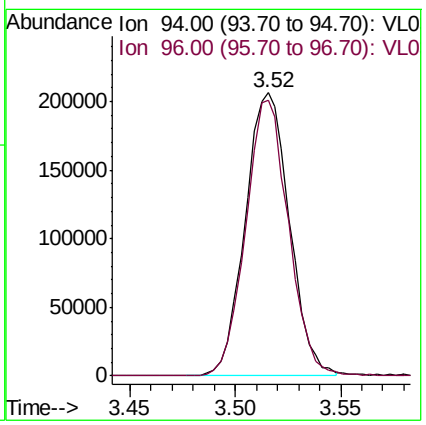


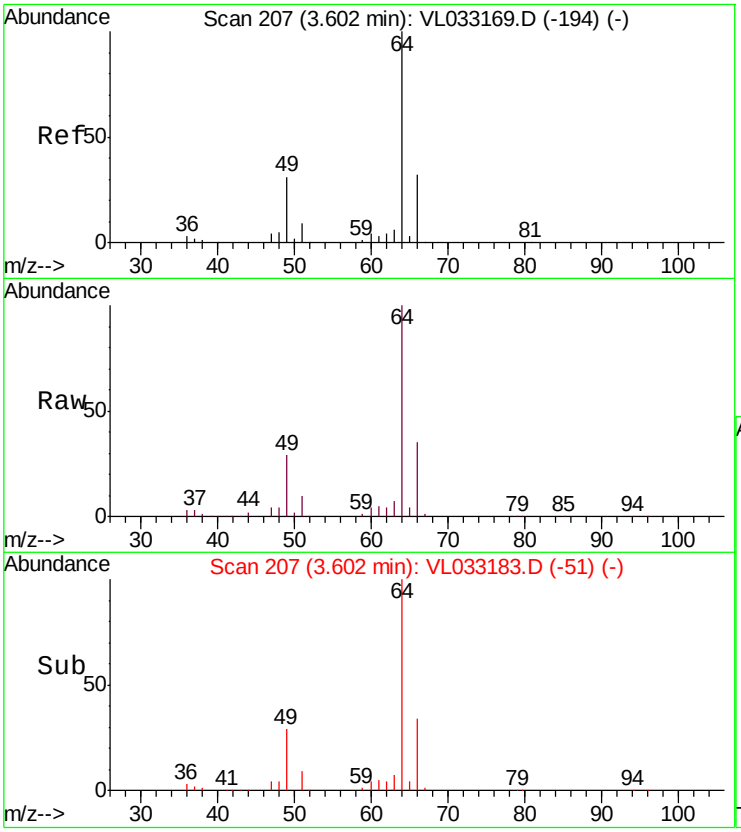


#6
Bromomethane
Concen: 8.041 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 94 Resp: 300584

Ion	Ratio	Lower	Upper
94	100		
96	97.6	73.2	109.8



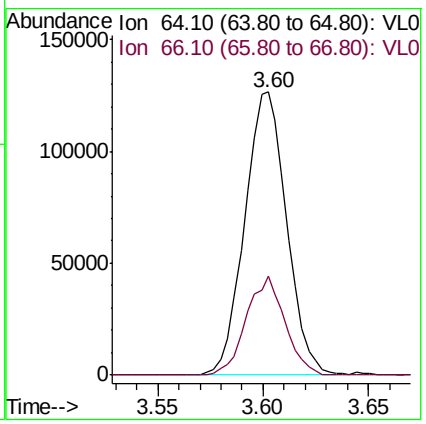


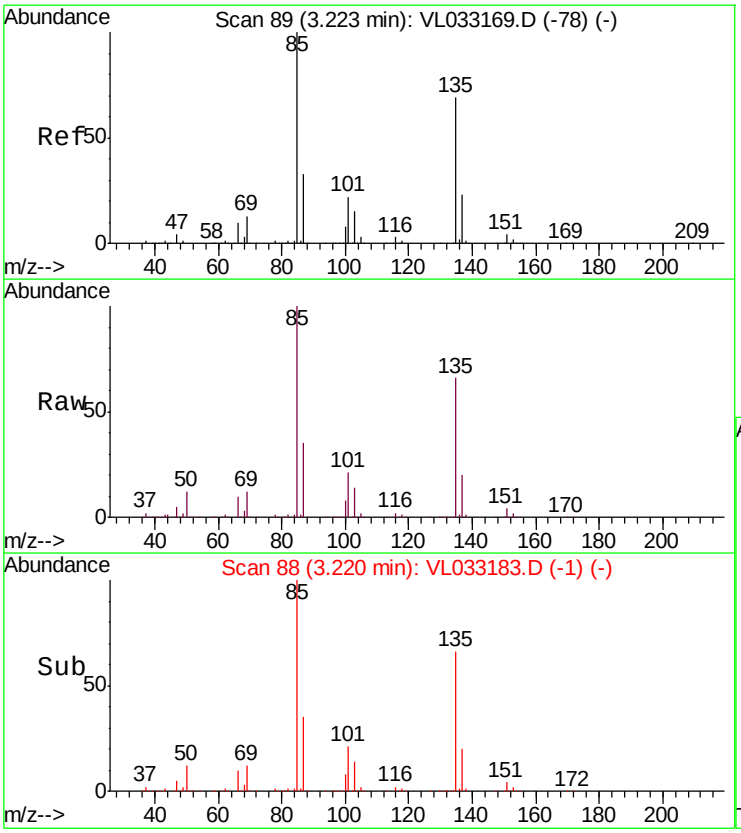
#7
Chloroethane
Concen: 7.858 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 64 Resp: 174710

Ion	Ratio	Lower	Upper
64	100		
66	35.2	26.0	39.0

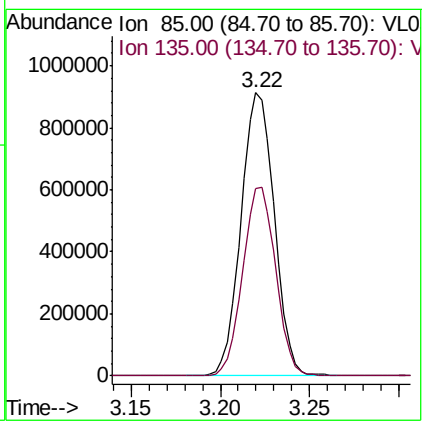


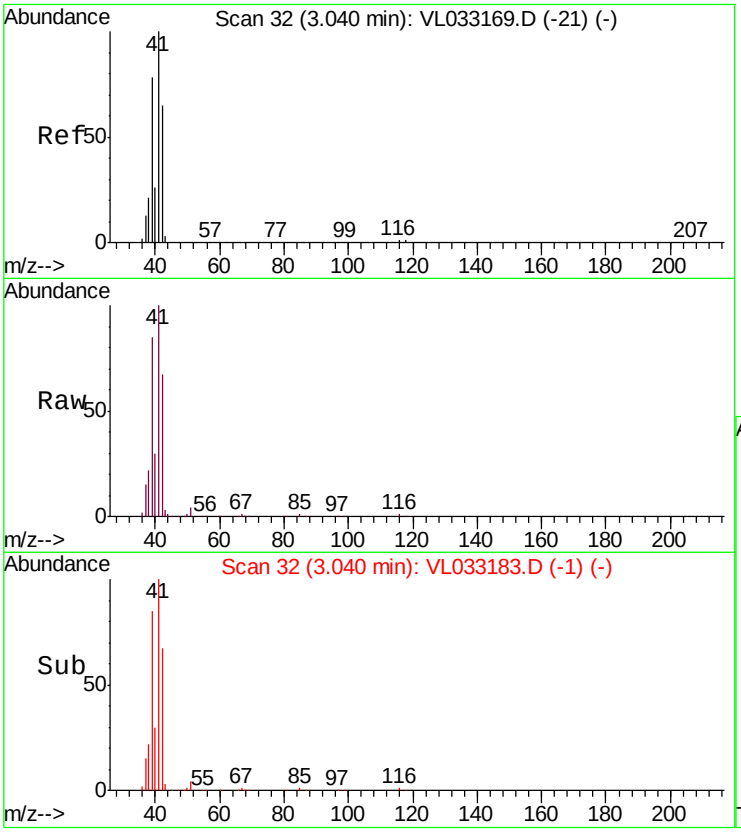


#8
Dichlorotetrafluoroethane
Concen: 7.729 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 85 Resp: 1184010

Ion	Ratio	Lower	Upper
85	100		
135	66.6	54.3	81.5



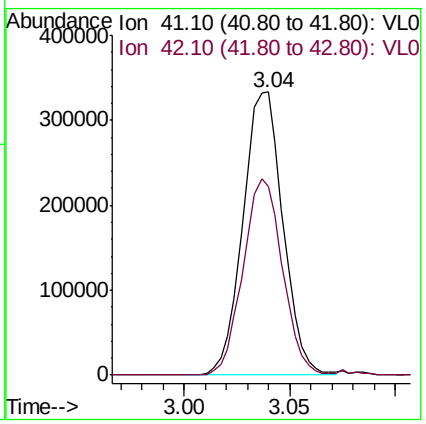


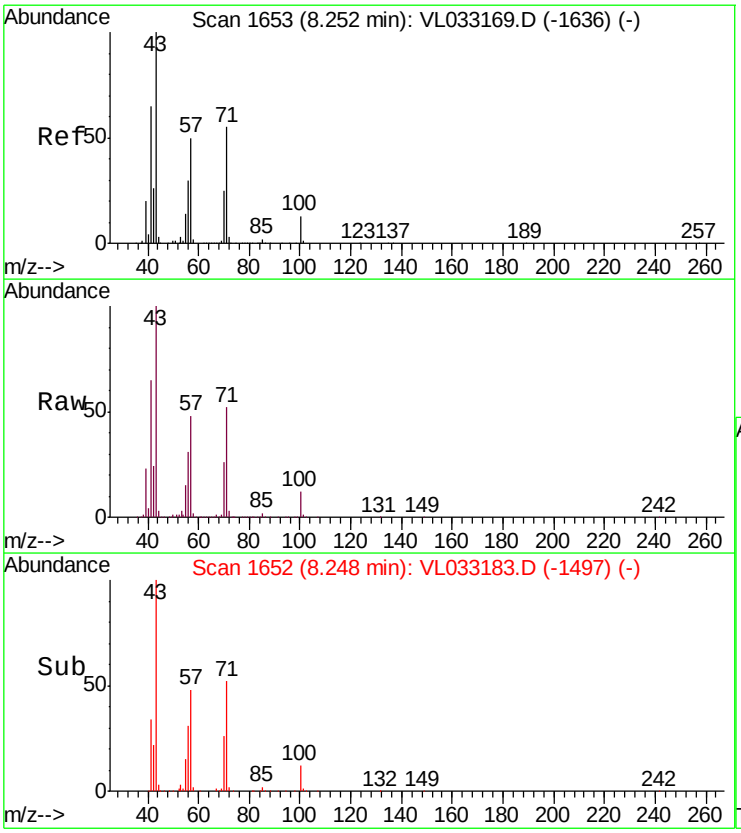
#9
Propene
Concen: 7.392 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 440469

Ion	Ratio	Lower	Upper
41	100		
42	69.3	55.0	82.6

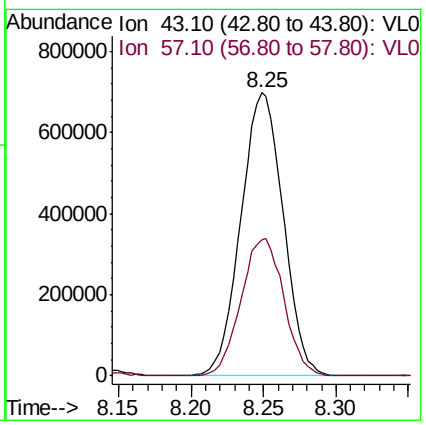


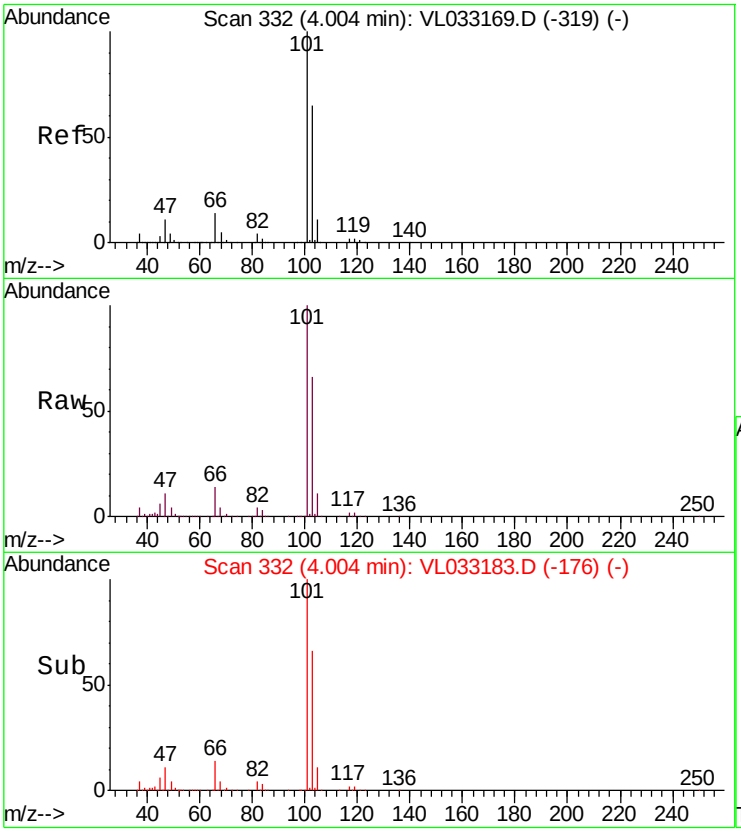


#10
Heptane
Concen: 7.850 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 43 Resp: 1415100

Ion	Ratio	Lower	Upper
43	100		
57	49.2	39.5	59.3



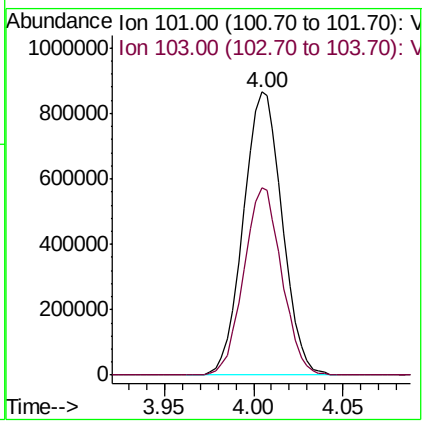


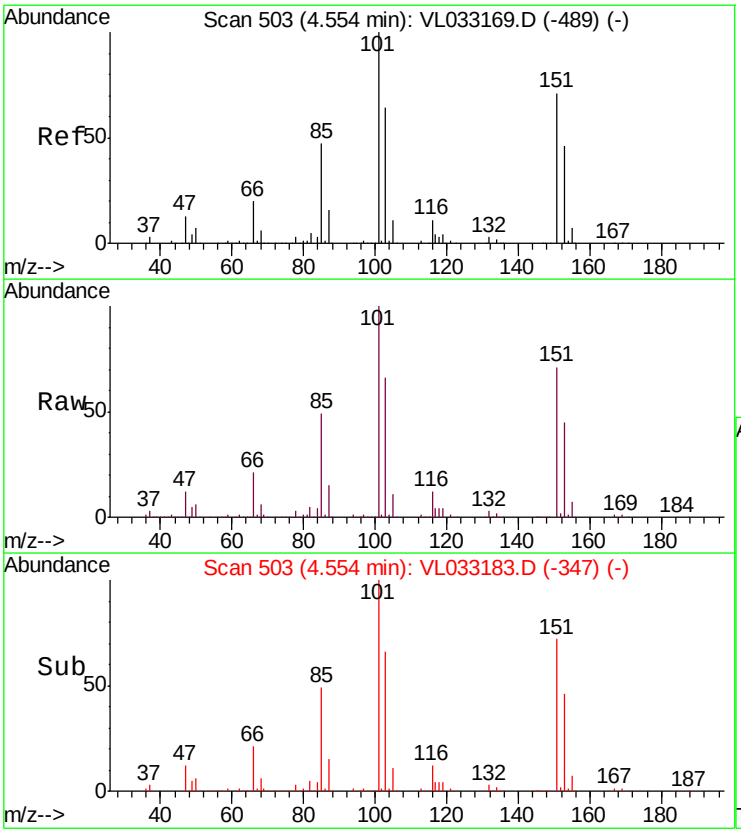
#11
Trichlorofluoromethane
Concen: 8.320 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1319236

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.7	77.5

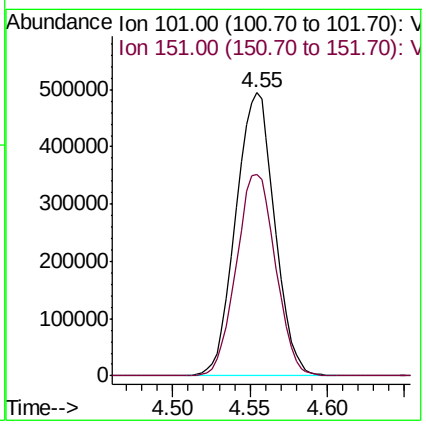


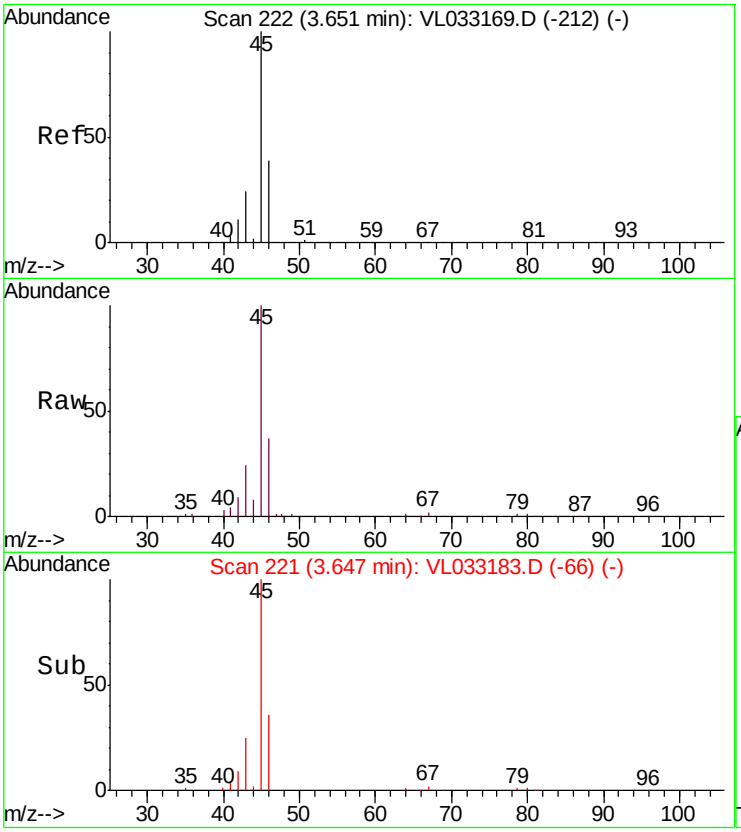


#12
1,1,2-Trichlorotrifluoroethane
Concen: 7.829 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:101 Resp: 860334

Ion	Ratio	Lower	Upper
101	100		
151	72.2	57.4	86.0



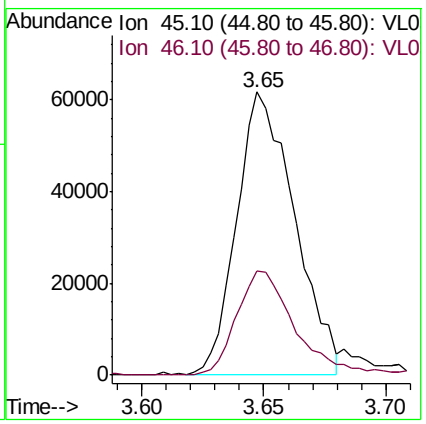


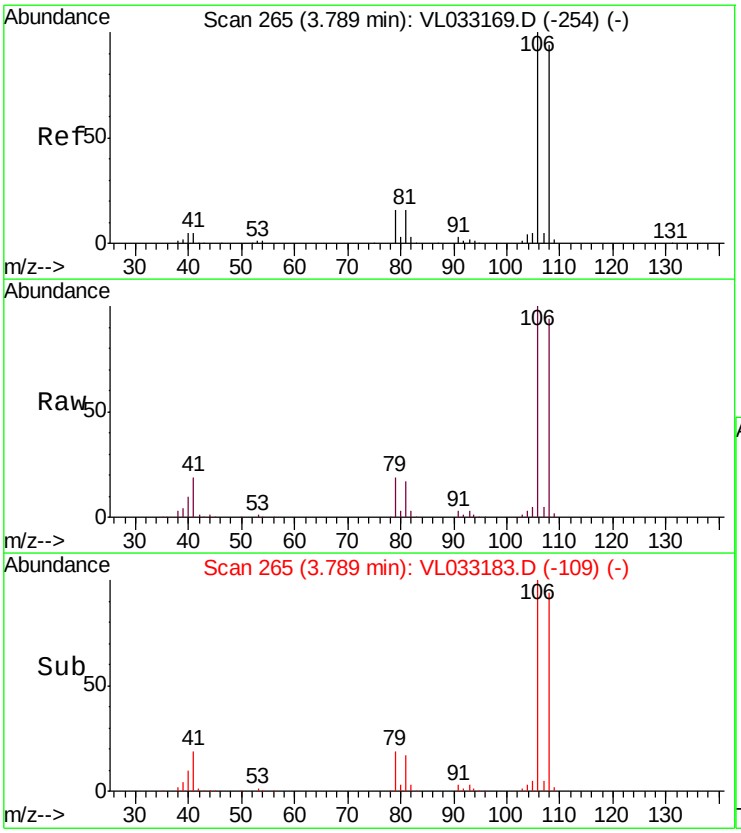
#13
Ethanol
Concen: 5.015 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 101551

Ion	Ratio	Lower	Upper
45	100		
46	37.7	15.0	60.2

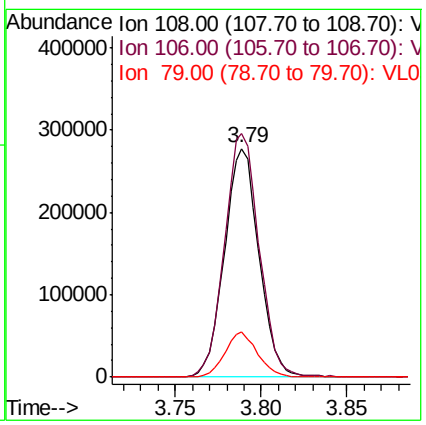


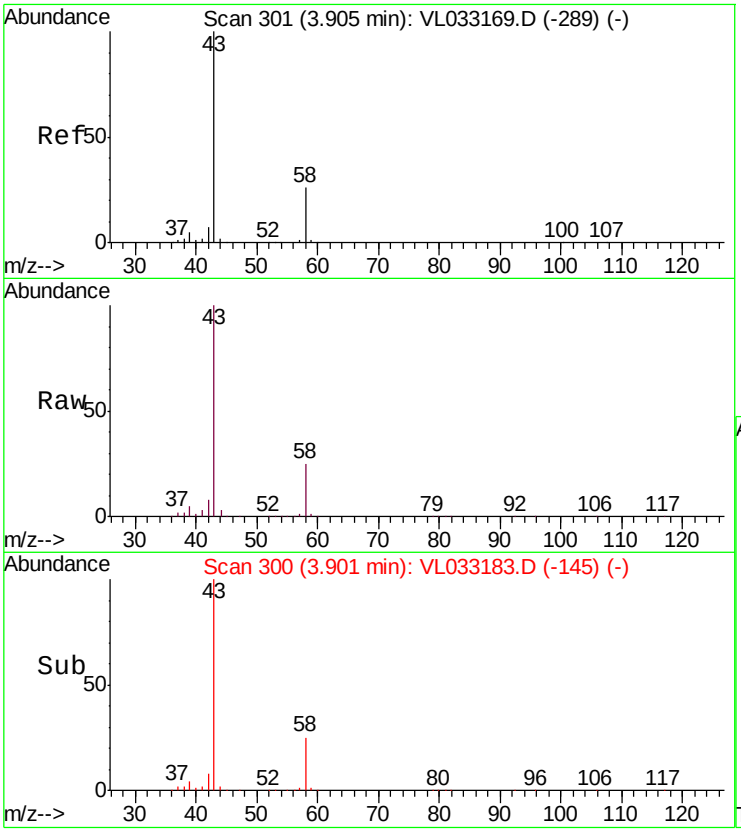


#14
Bromoethene
Concen: 8.215 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:108 Resp: 389281

Ion	Ratio	Lower	Upper
108	100		
106	107.4	86.0	129.0
79	19.0	14.5	21.7



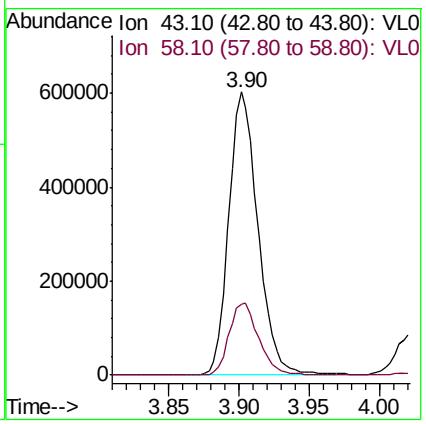


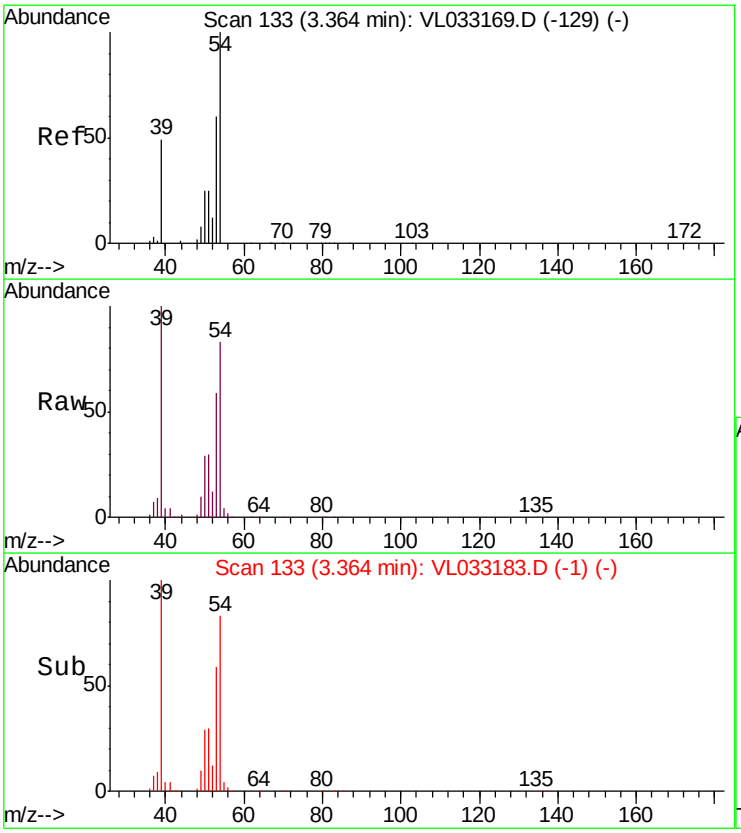
#15
Acetone
Concen: 7.558 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 872352

Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.1	31.7

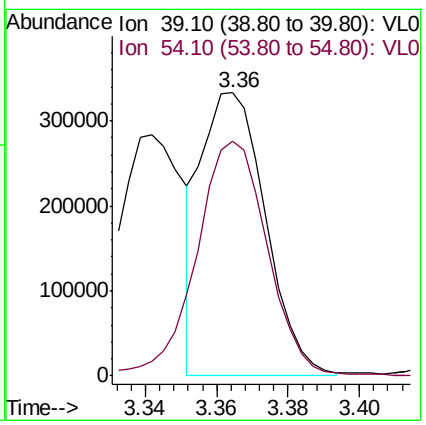


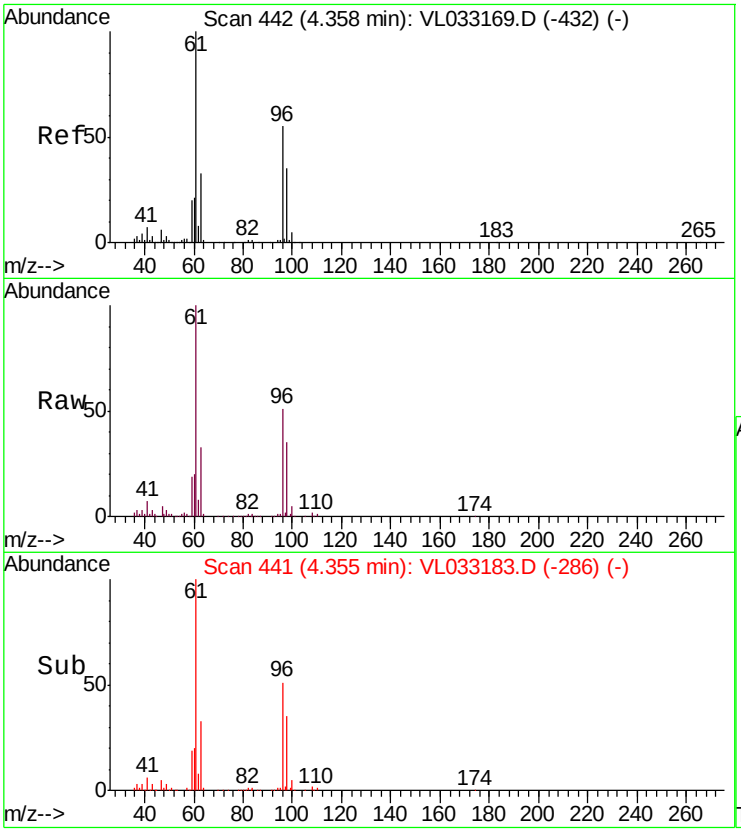


#16
1,3-Butadiene
Concen: 7.588 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 39 Resp: 415753

Ion	Ratio	Lower	Upper
39	100		
54	92.1	71.3	106.9



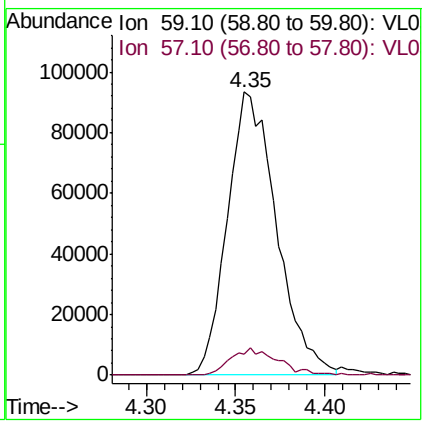


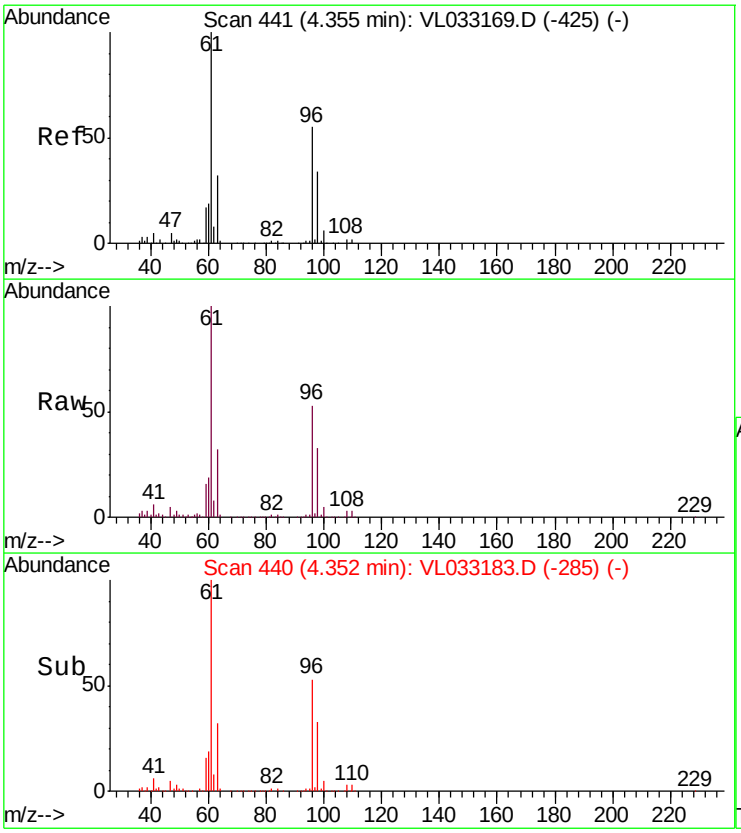
#17
tert-Butyl alcohol
Concen: 8.063 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 178775

Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.6	11.4

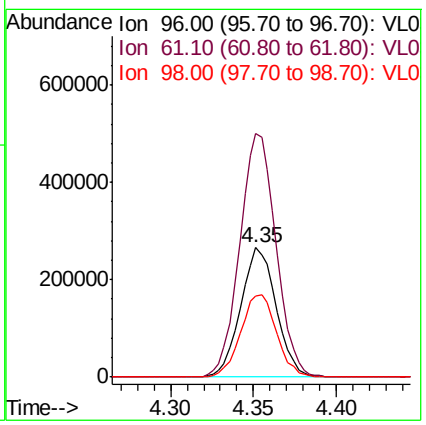


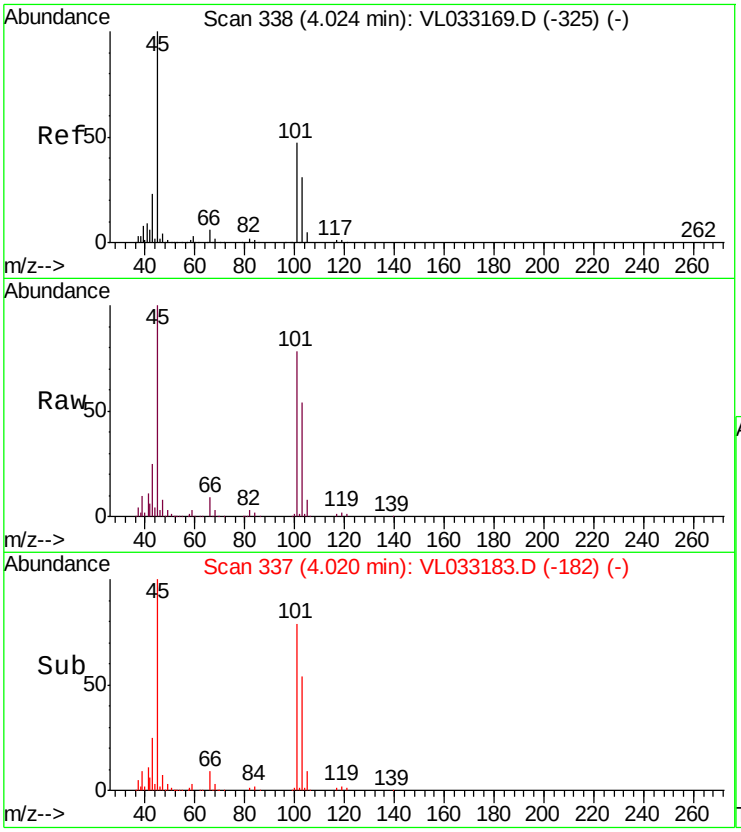


#18
1,1-Dichloroethene
Concen: 8.031 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 96 Resp: 395058

Ion	Ratio	Lower	Upper
96	100		
61	188.0	145.0	217.6
98	62.8	50.0	75.0



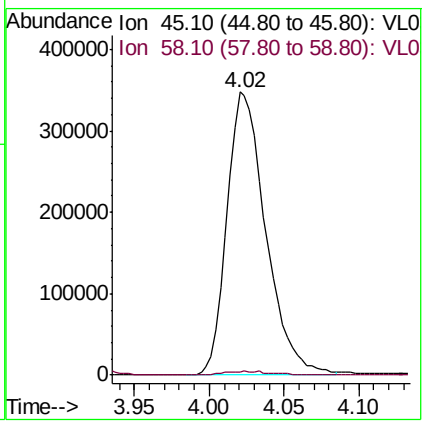


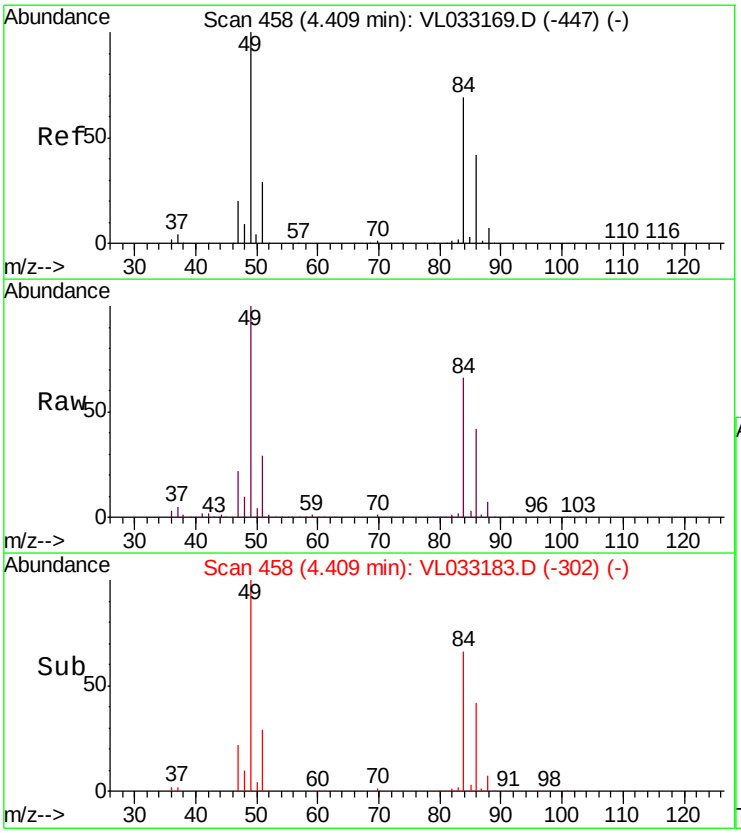
#19
Isopropyl Alcohol
Concen: 8.011 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 627091

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.5	2.3

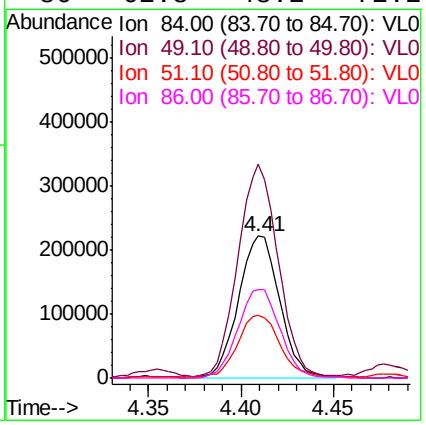


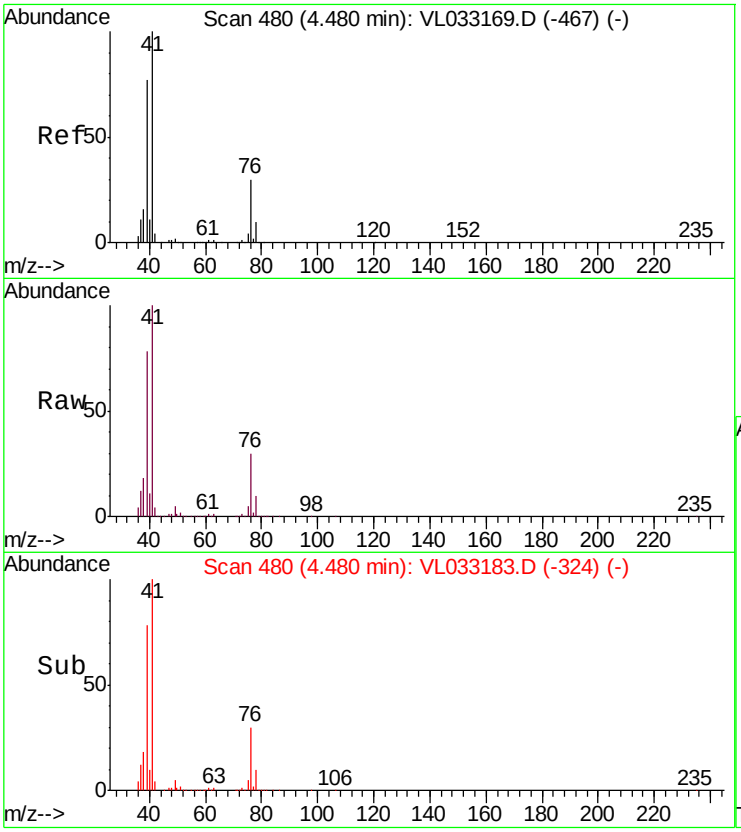


#20
Methylene Chloride
Concen: 7.416 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 84 Resp: 340483

Ion	Ratio	Lower	Upper
84	100		
49	149.9	115.8	173.8
51	43.6	33.0	49.6
86	62.8	48.2	72.2



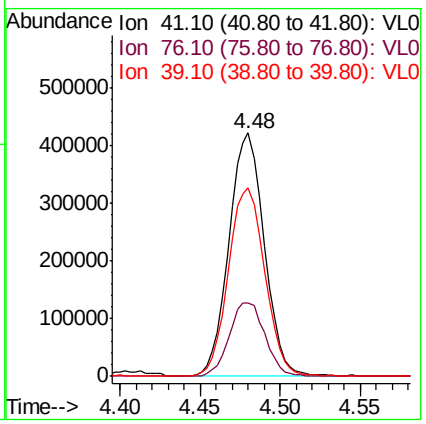


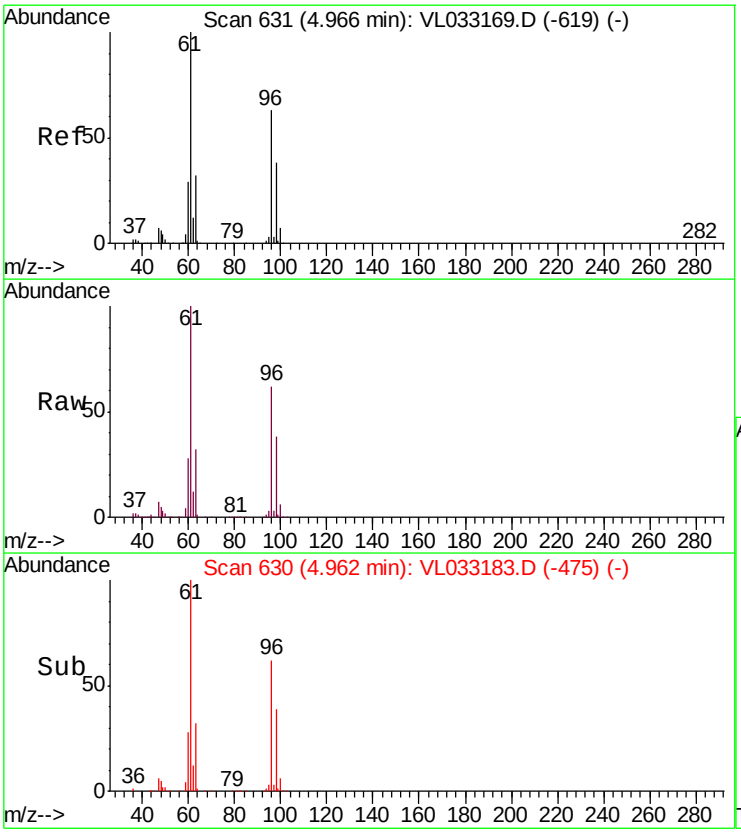
#21
Allyl Chloride
Concen: 8.265 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 629906

Ion	Ratio	Lower	Upper
41	100		
76	30.7	24.5	36.7
39	80.9	64.1	96.1

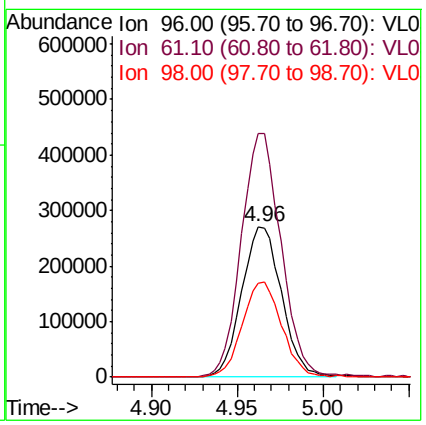


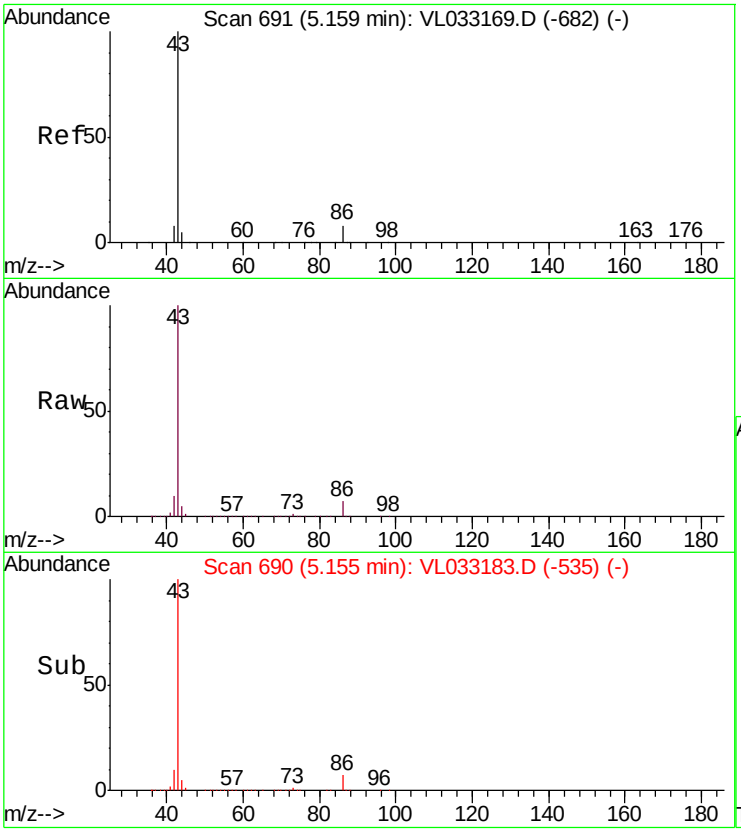


#22
trans-1,2-Dichloroethene
Concen: 9.105 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 96 Resp: 434962

Ion	Ratio	Lower	Upper
96	100		
61	161.7	126.4	189.6
98	62.0	48.4	72.6



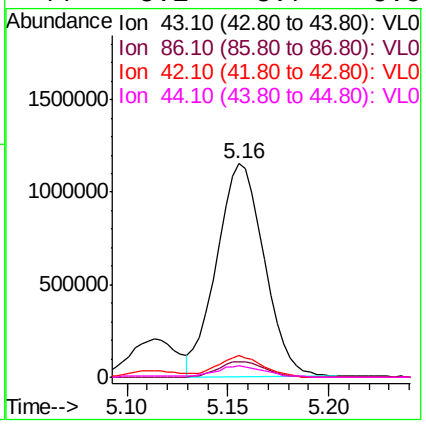


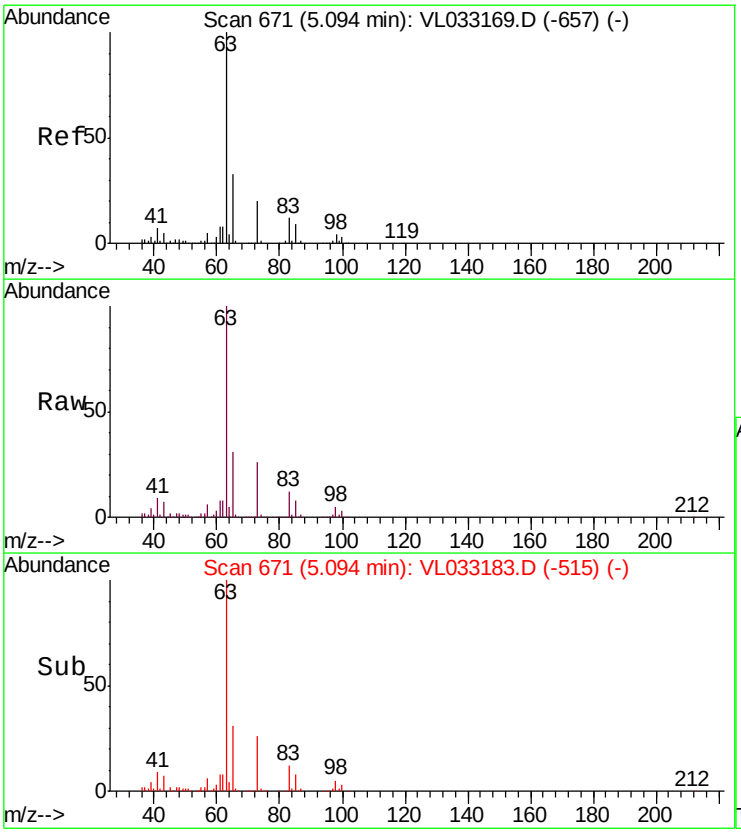
#23
Vinyl Acetate
Concen: 9.452 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1890871

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	9.8	7.4	11.0
44	5.1	3.7	5.5

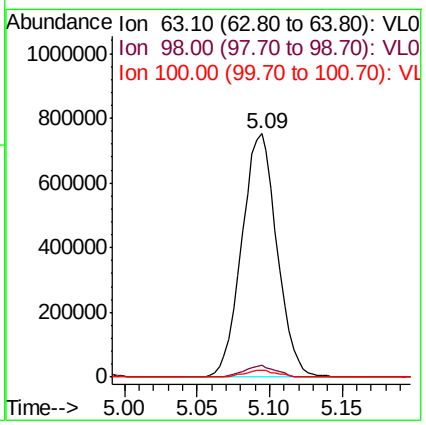


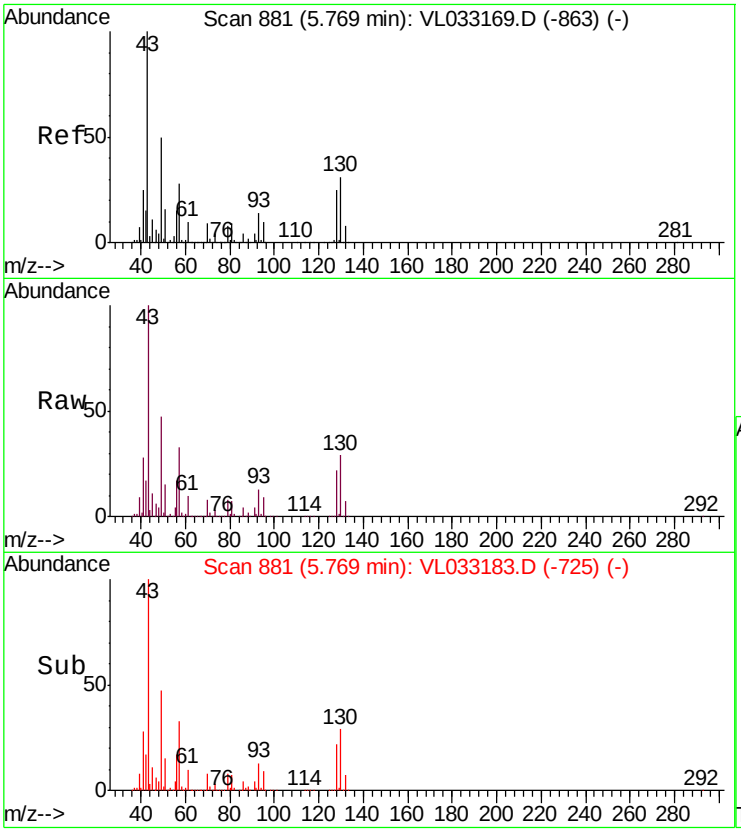


#24
1,1-Dichloroethane
Concen: 8.971 ppbv
RT: 5.09 min Scan# 671
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 63 Resp: 1269332

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	2.9	1.4	4.2



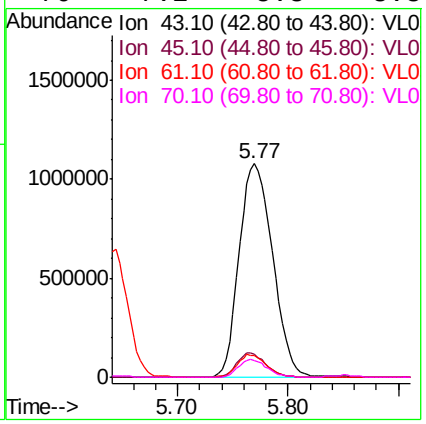


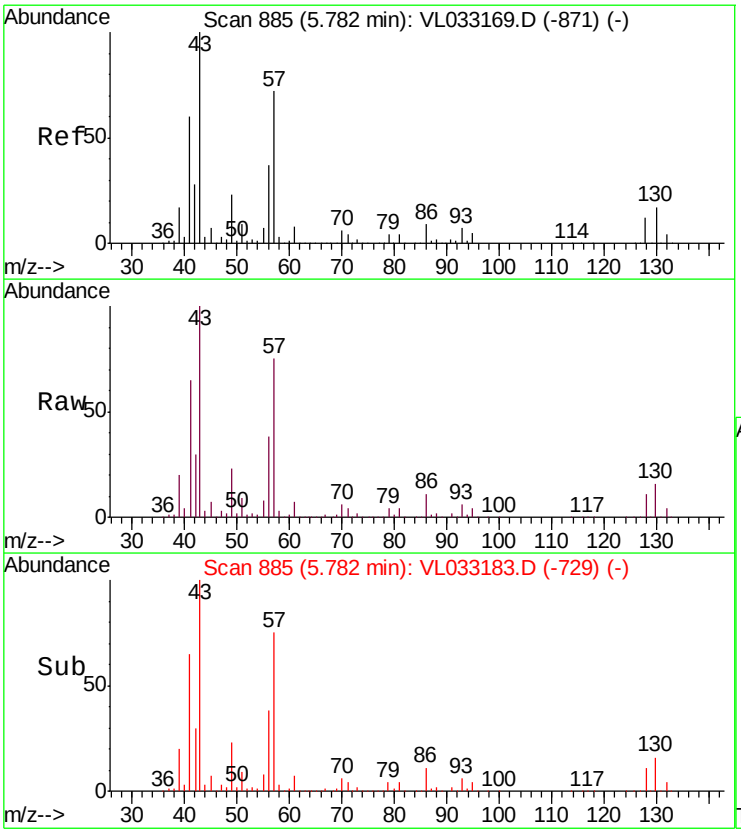
#25
Ethyl Acetate
Concen: 8.767 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2275256

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.1	7.5	11.3
70	7.2	5.8	8.8

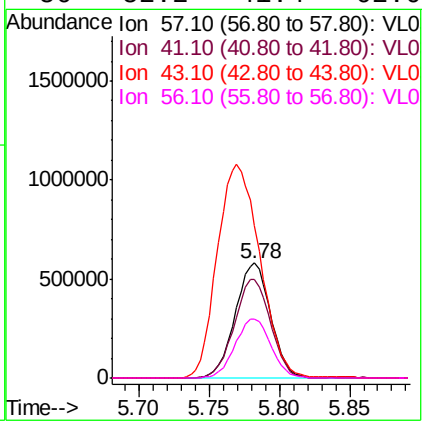


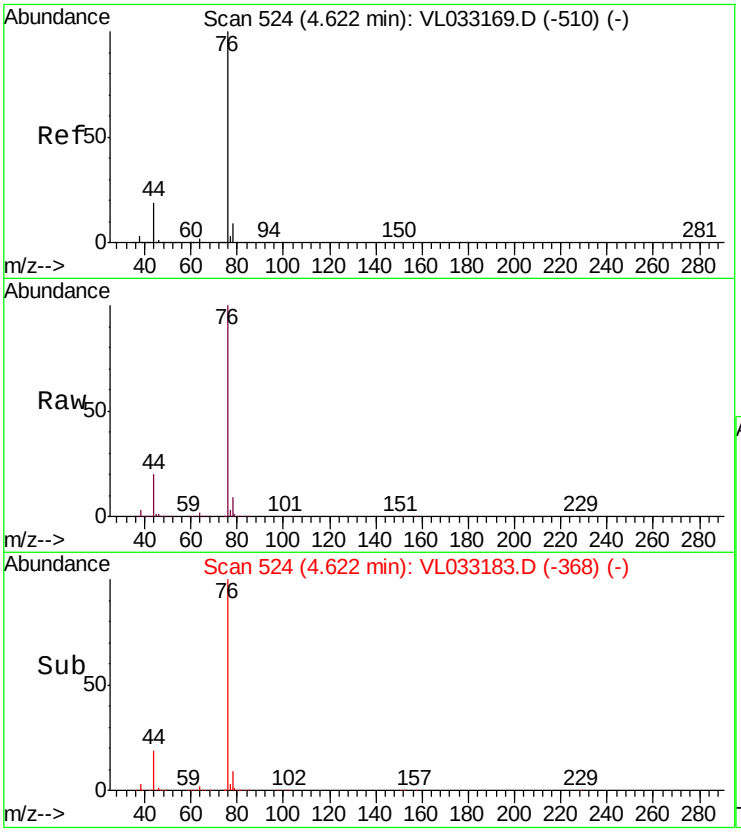


#26
Hexane
Concen: 8.371 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 57 Resp: 1019868

Ion	Ratio	Lower	Upper
57	100		
41	87.7	69.4	104.2
43	223.9	176.7	265.1
56	52.2	41.4	62.0



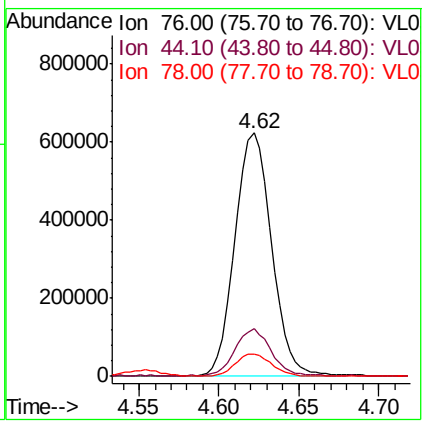


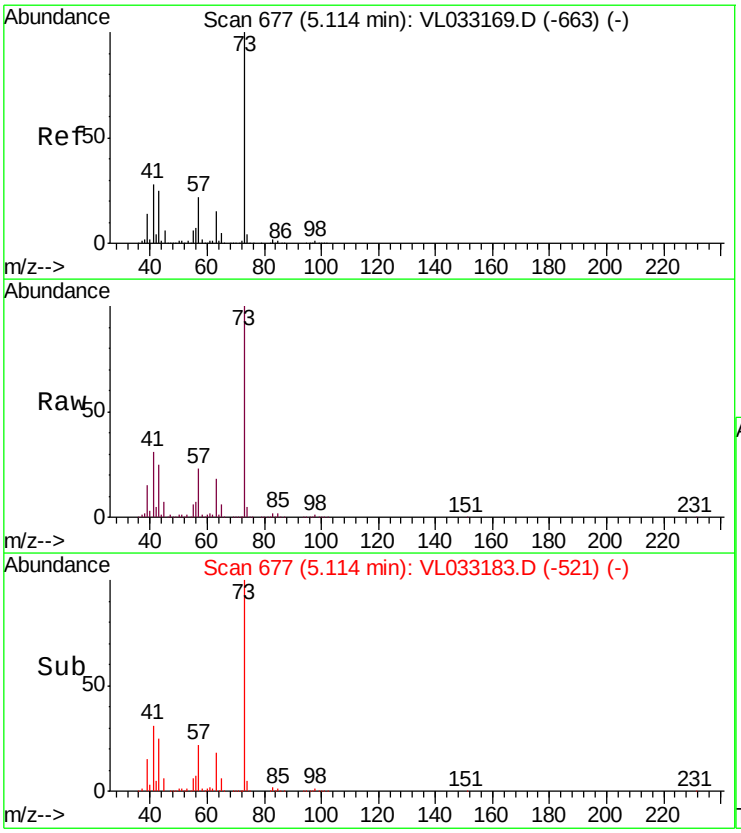
#27
Carbon Disulfide
Concen: 8.739 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 975329

Ion	Ratio	Lower	Upper
76	100		
44	18.6	15.0	22.4
78	9.4	7.4	11.0

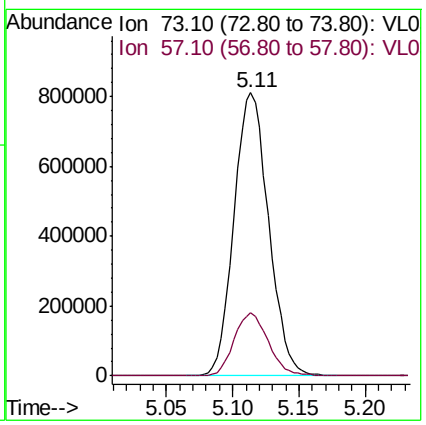


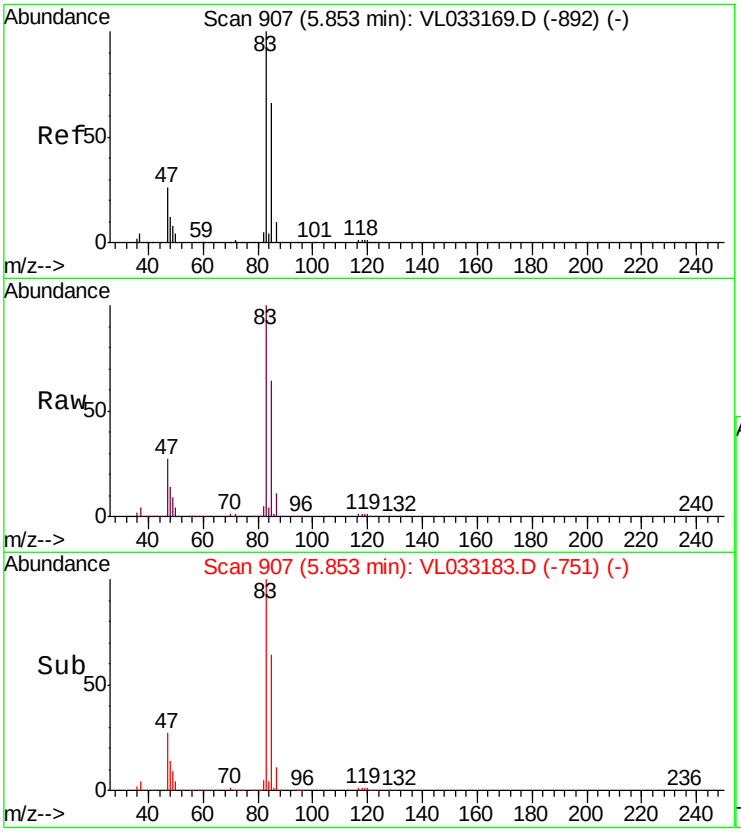


#28
Methyl tert-Butyl Ether
Concen: 8.842 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 73 Resp: 1471921

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.9	26.9



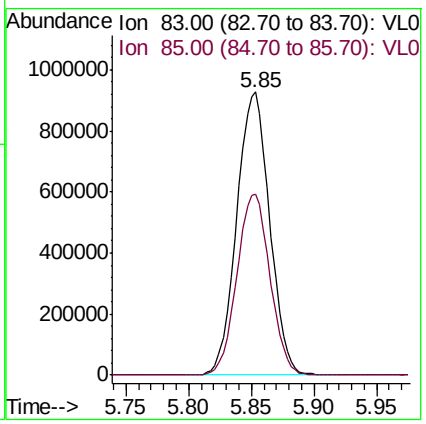


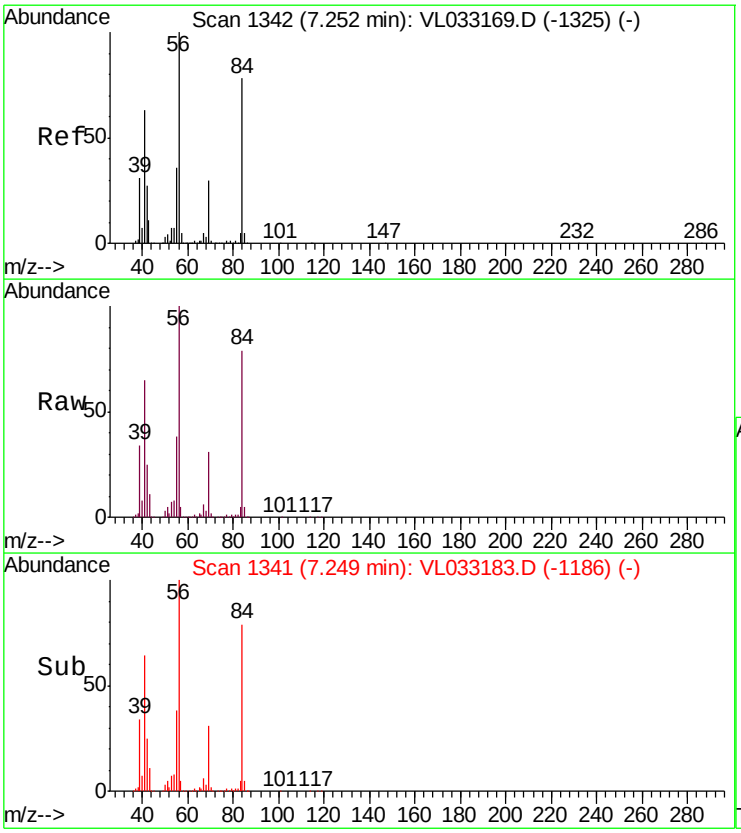
#29
Chloroform
Concen: 9.073 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1693822

Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.6	78.8

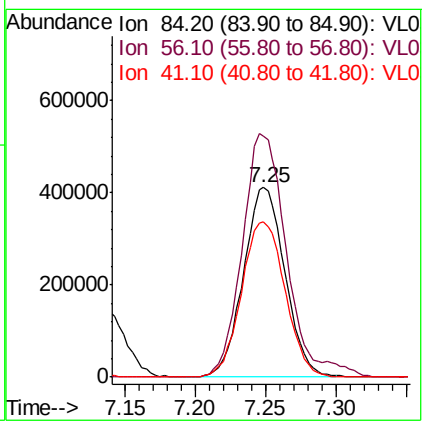


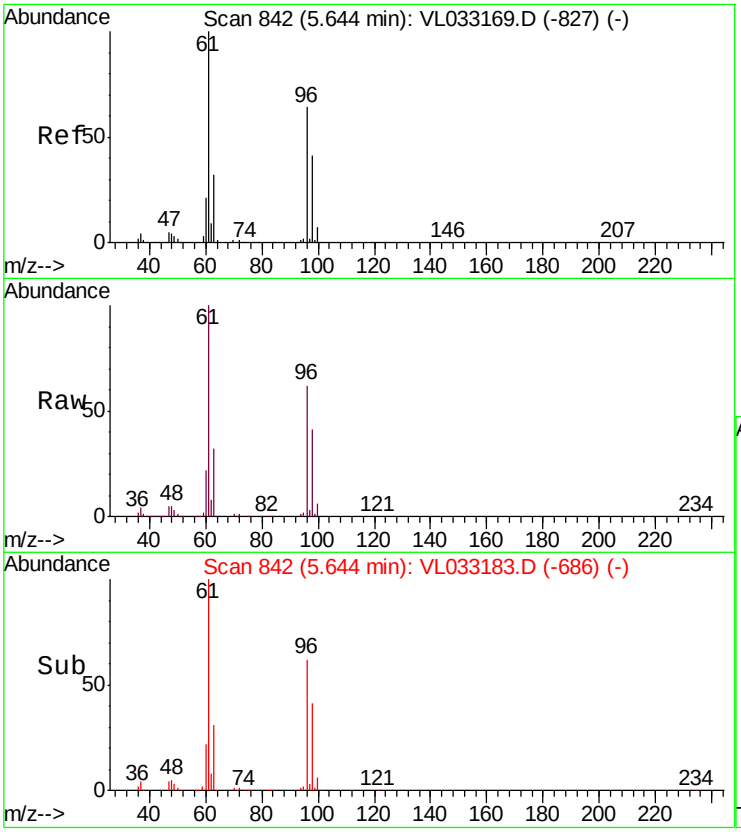


#30
Cyclohexane
Concen: 7.501 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 84 Resp: 847896

Ion	Ratio	Lower	Upper
84	100		
56	137.7	109.5	164.3
41	86.0	66.6	100.0



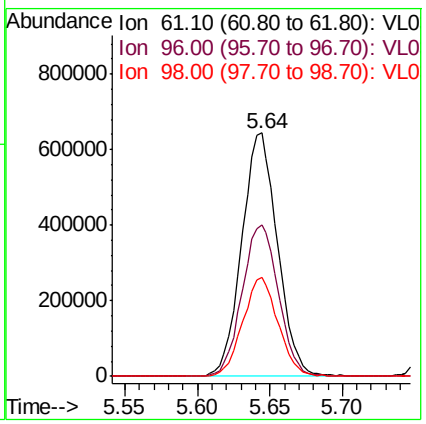


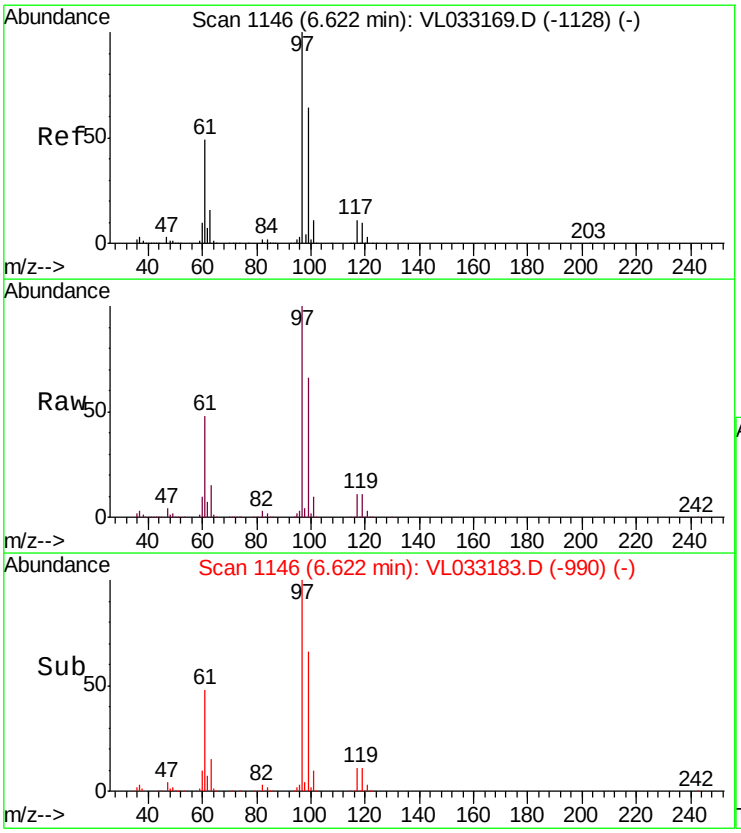
#31
cis-1,2-Dichloroethene
Concen: 9.046 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 1103079

Ion	Ratio	Lower	Upper
61	100		
96	62.2	51.2	76.8
98	40.7	32.8	49.2

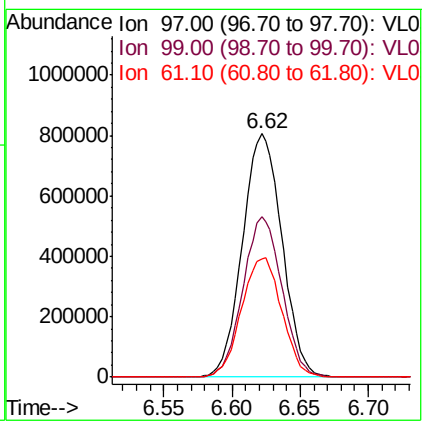


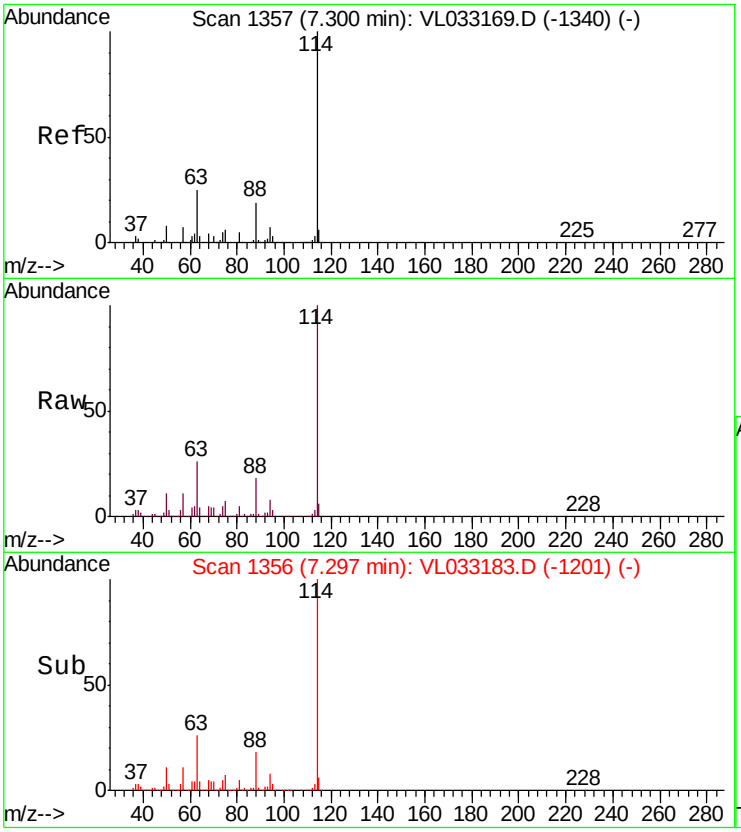


#32
1,1,1-Trichloroethane
Concen: 7.891 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 97 Resp: 1622176

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.2
61	50.0	38.8	58.2



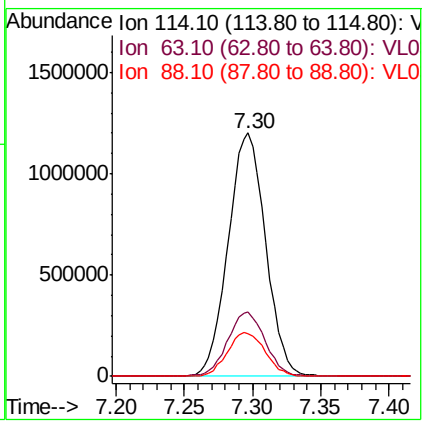


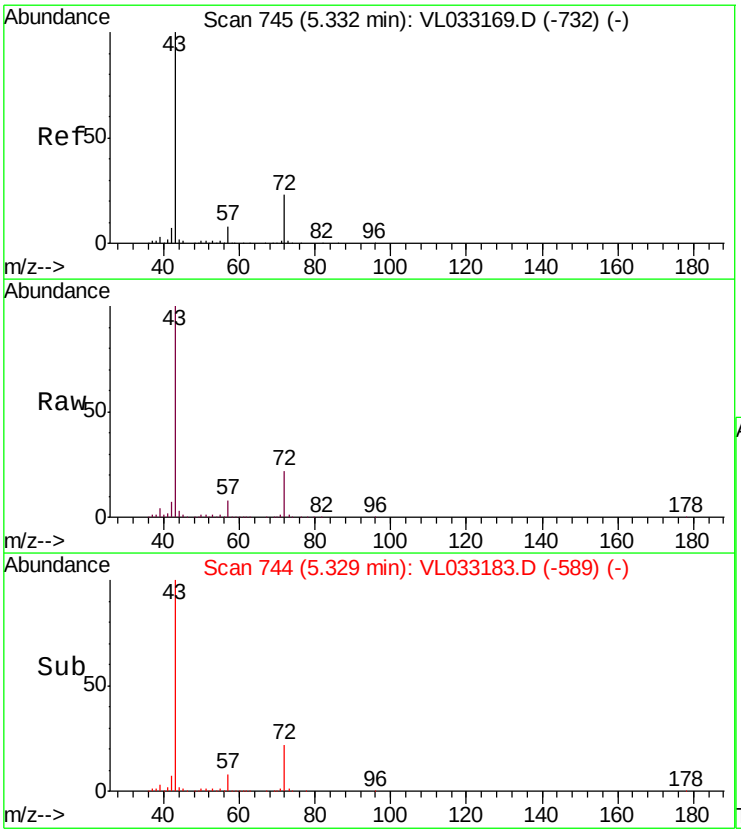
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 2289715

Ion	Ratio	Lower	Upper
114	100		
63	26.8	20.8	31.2
88	18.2	14.6	22.0

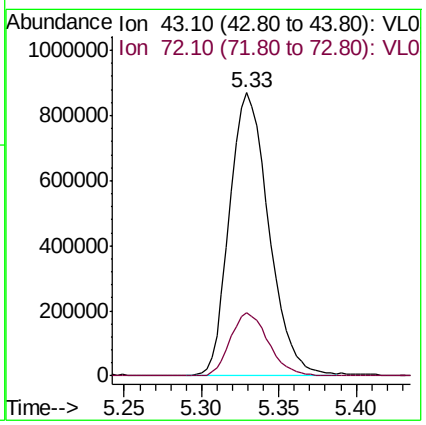


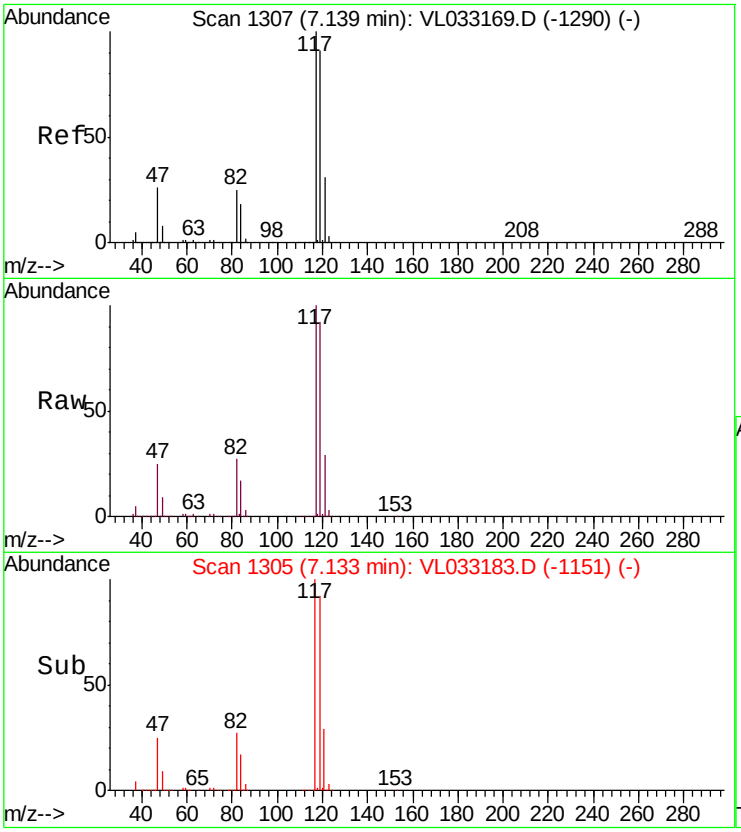


#34
2-Butanone
Concen: 10.565 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 43 Resp: 1534459

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.8	26.6



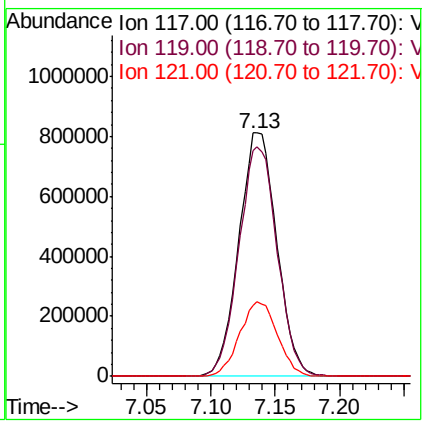


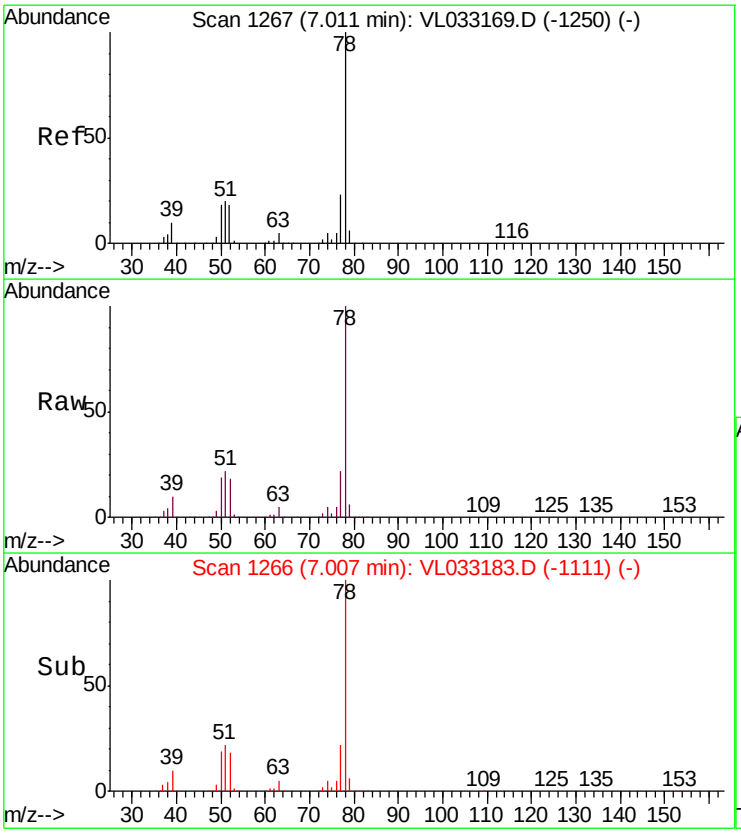
#35
Carbon Tetrachloride
Concen: 9.517 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 1664143

Ion	Ratio	Lower	Upper
117	100		
119	92.5	73.0	109.6
121	28.9	25.1	37.7

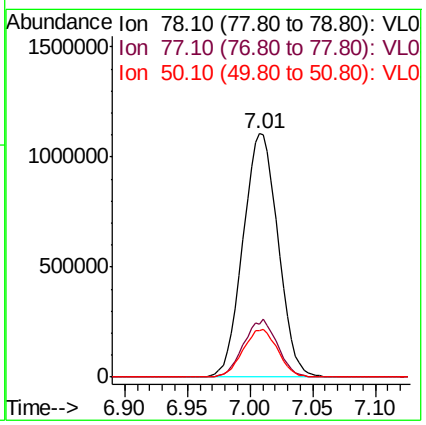


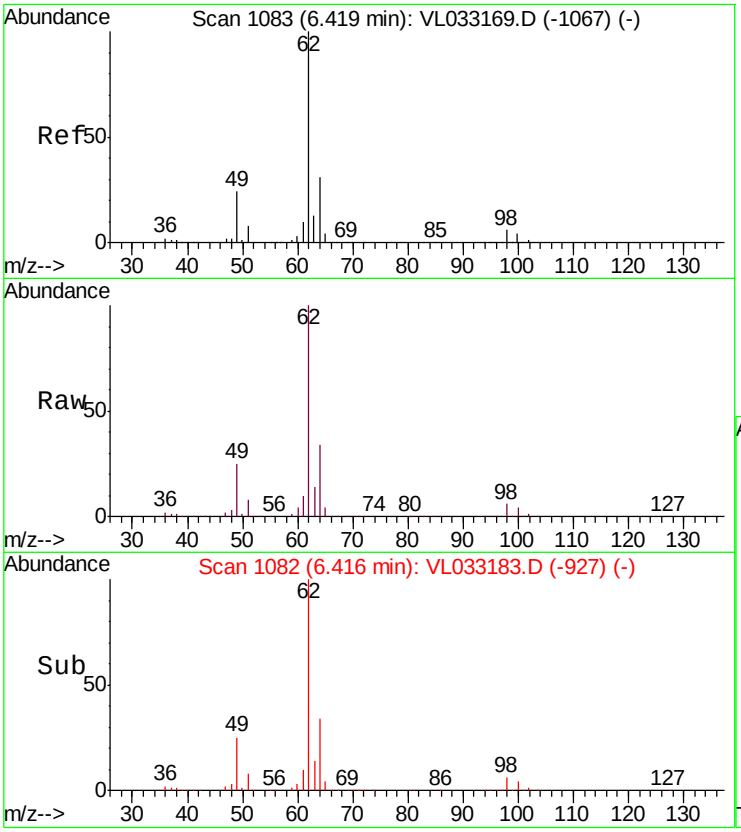


#36
Benzene
Concen: 9.270 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 78 Resp: 2151306

Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.0	27.0
50	19.0	14.2	21.2



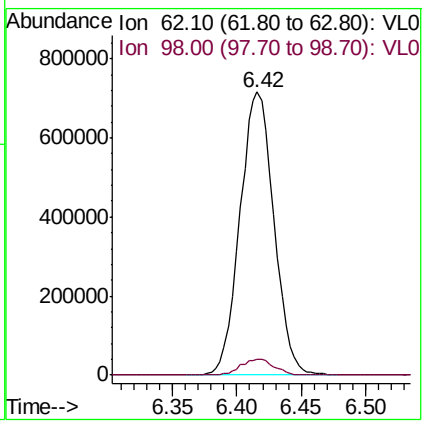


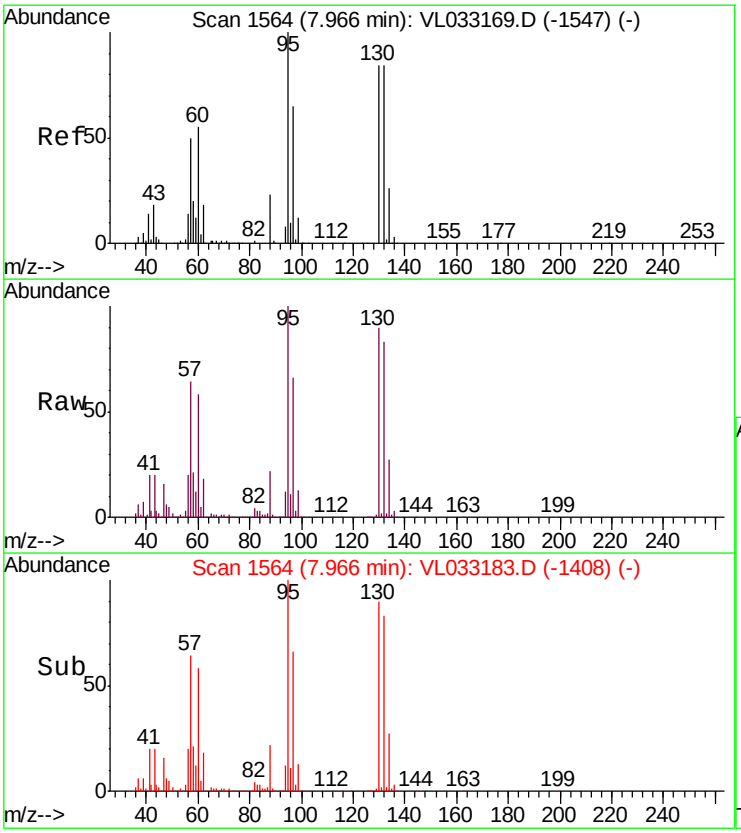
#37
1,2-Dichloroethane
Concen: 10.219 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 1314262

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.7	7.1

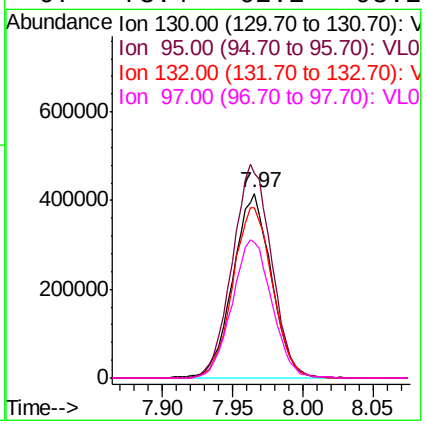


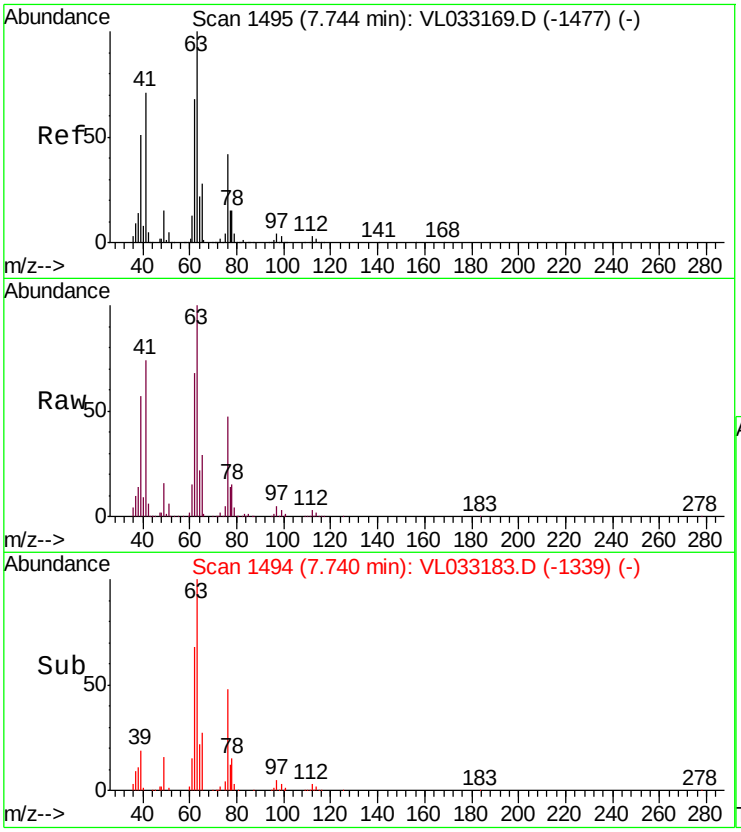


#38
Trichloroethene
Concen: 7.968 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:130 Resp: 790186

Ion	Ratio	Lower	Upper
130	100		
95	111.3	95.5	143.3
132	92.5	80.0	120.0
97	73.4	62.2	93.2



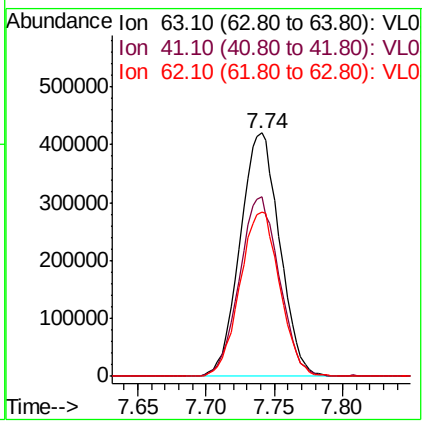


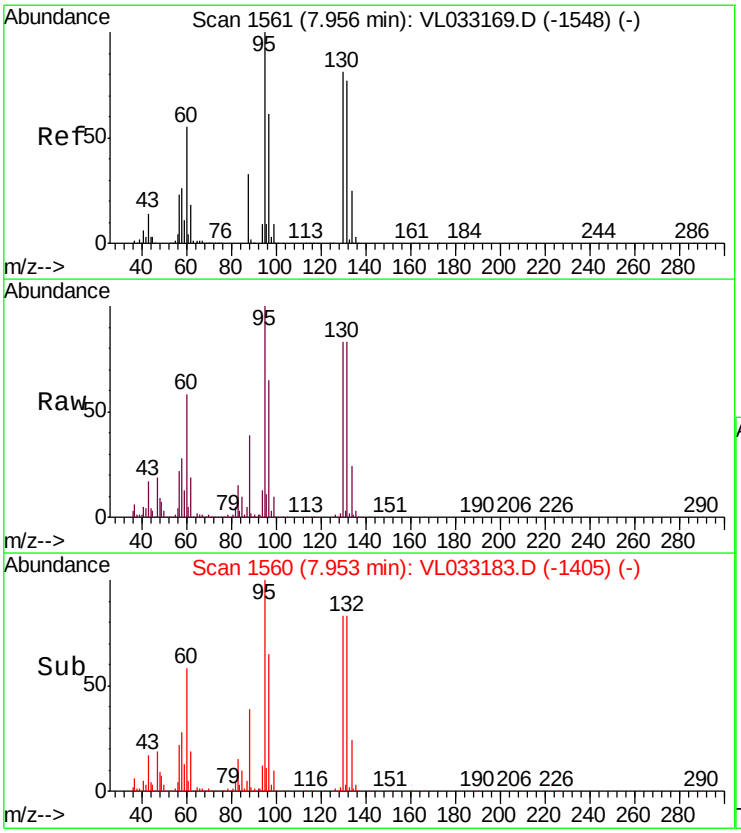
#39
1,2-Dichloropropane
Concen: 9.231 ppbv
RT: 7.74 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 845951

Ion	Ratio	Lower	Upper
63	100		
41	73.8	56.4	84.6
62	67.5	54.2	81.4

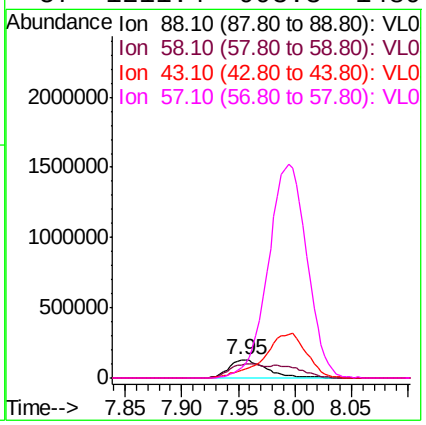


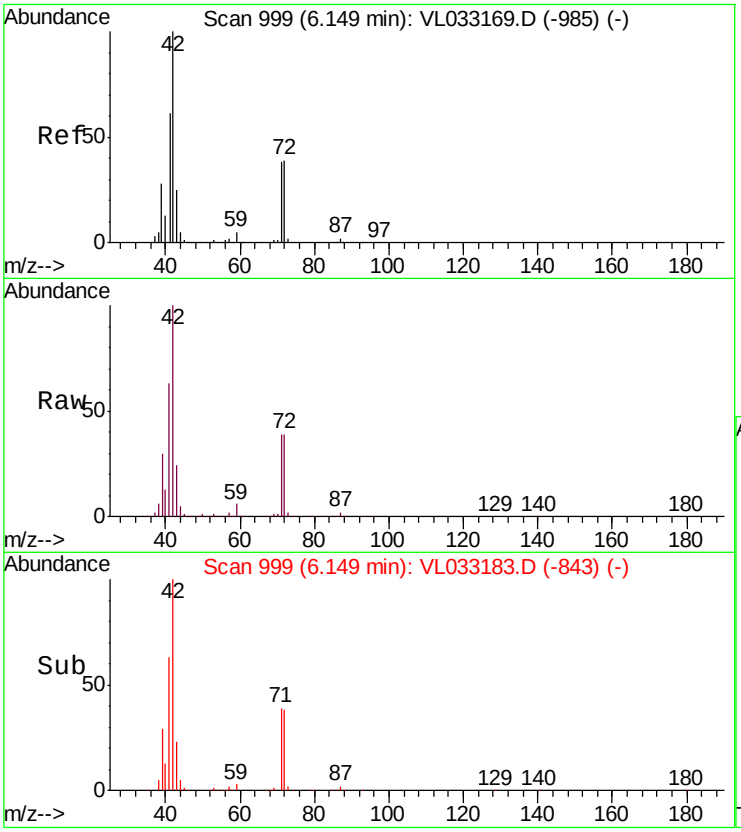


#40
1,4-Dioxane
Concen: 9.227 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 88 Resp: 300235

Ion	Ratio	Lower	Upper
88	100		
58	130.7	106.4	159.6
43	277.7	219.6	329.4
57	1211.4	993.3	1489.9



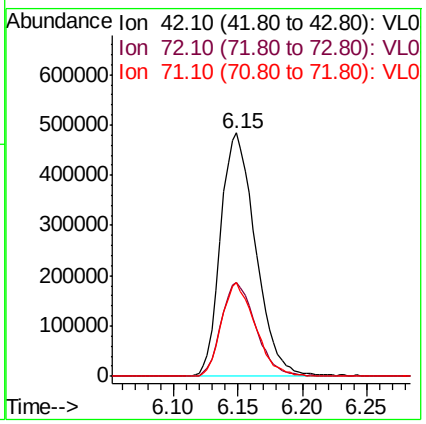


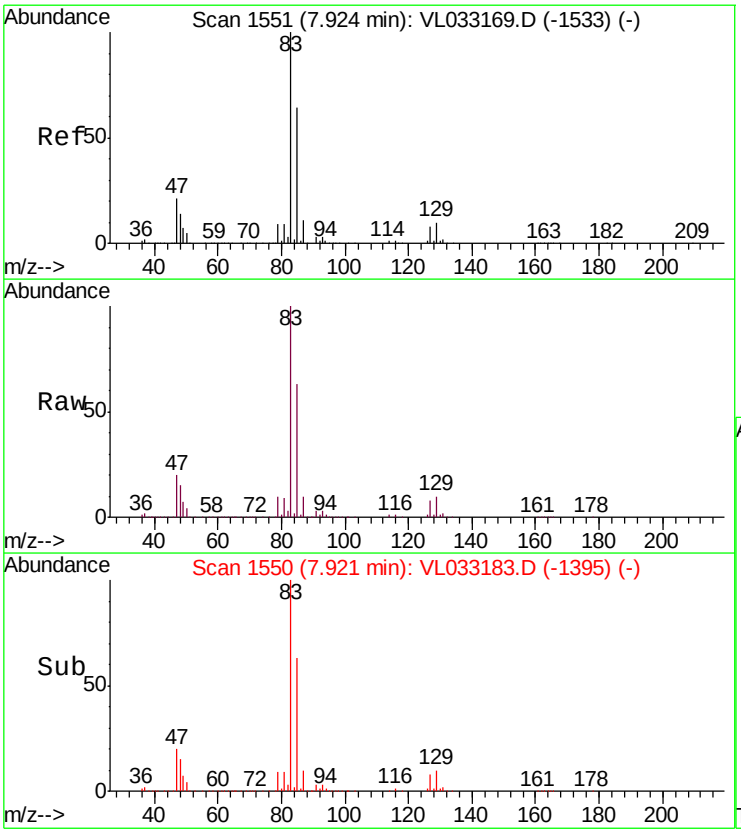
#41
Tetrahydrofuran
Concen: 10.152 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 911497

Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.4	47.2
71	37.4	30.2	45.2

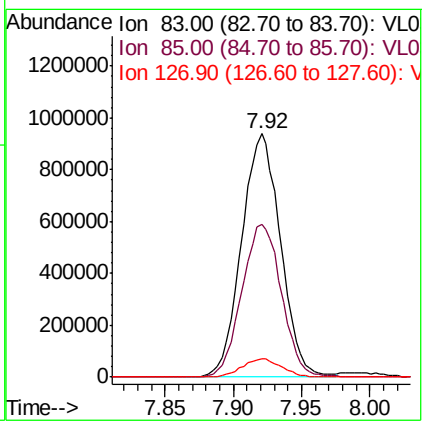


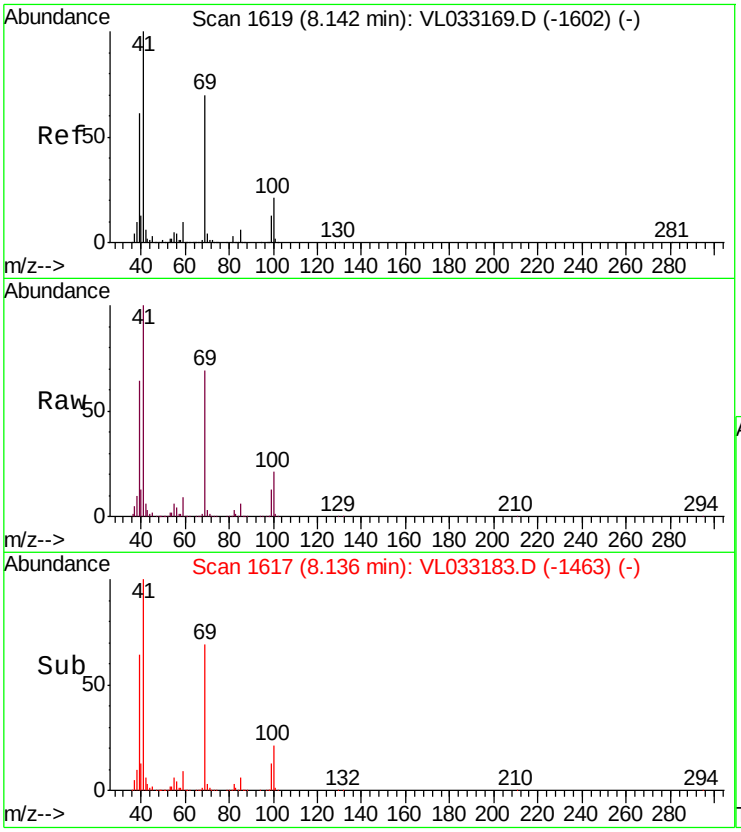


#42
Bromodichloromethane
Concen: 10.001 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 83 Resp: 1863935

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.1	76.7
127	7.7	6.4	9.6



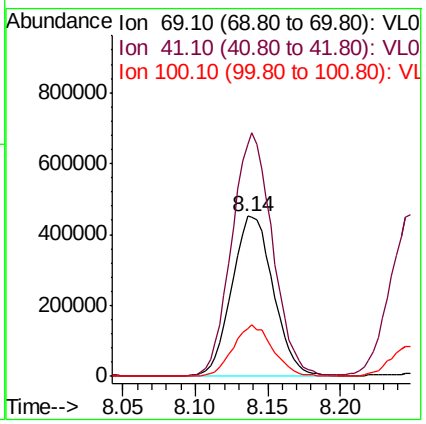


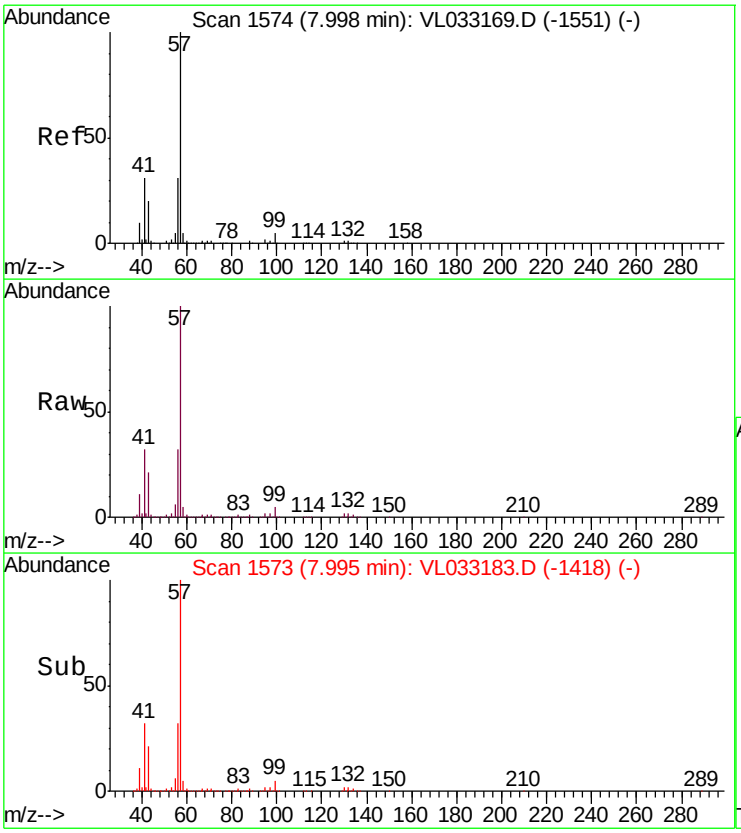
#43
Methyl Methacrylate
Concen: 9.642 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 898319

Ion	Ratio	Lower	Upper
69	100		
41	149.4	117.1	175.7
100	30.6	25.0	37.6

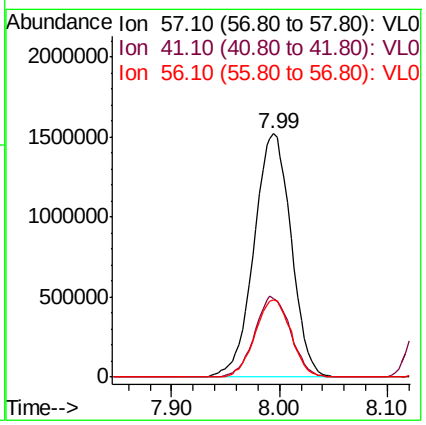


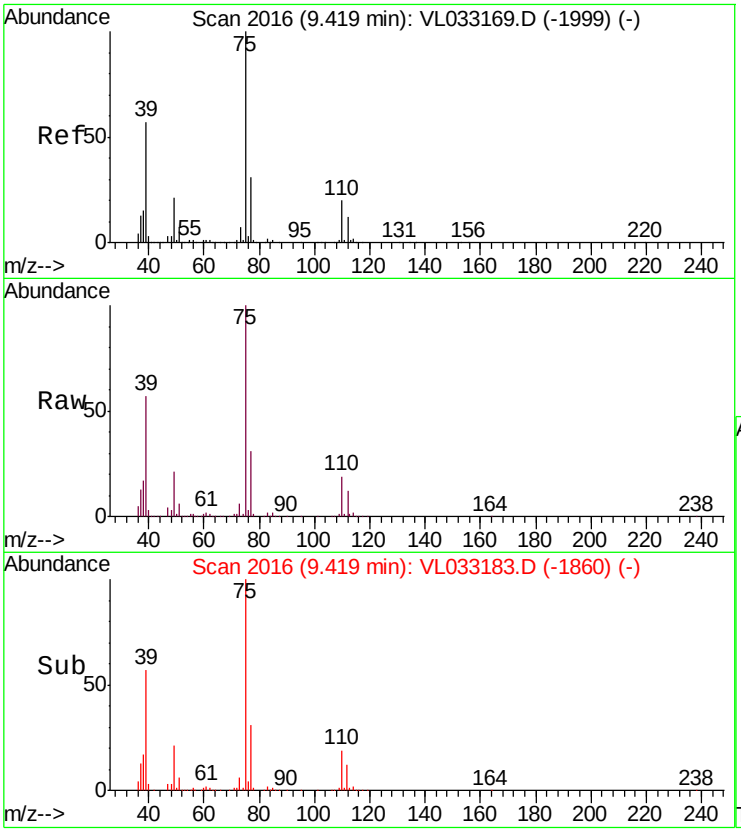


#44
2,2,4-Trimethylpentane
Concen: 9.232 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 57 Resp: 3630330

Ion	Ratio	Lower	Upper
57	100		
41	32.1	25.2	37.8
56	30.9	24.5	36.7



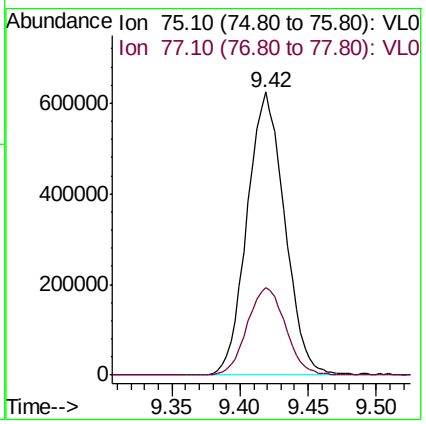


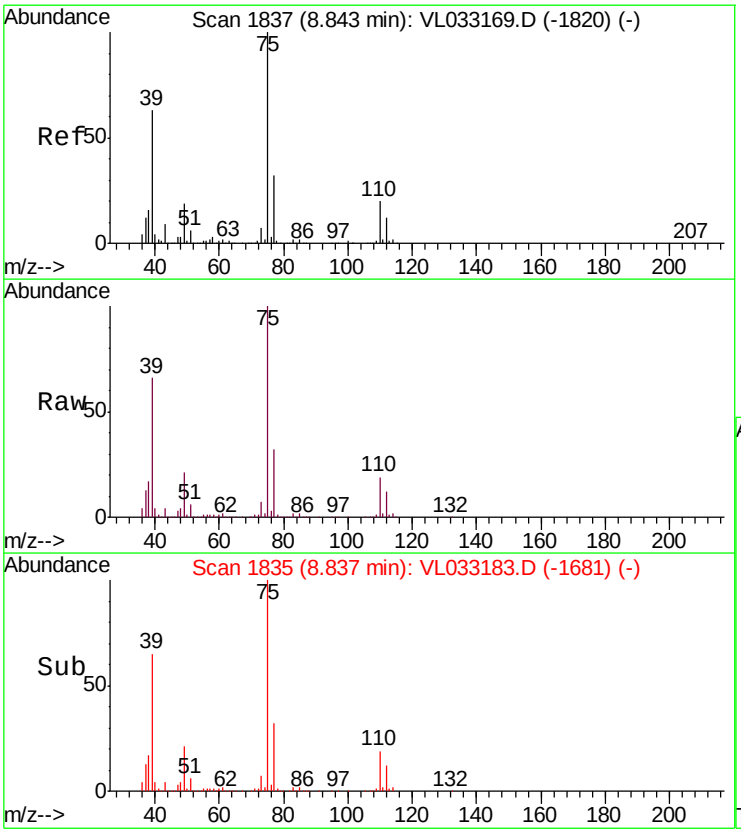
#45
t-1,3-Dichloropropene
Concen: 11.575 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 1194172

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.4

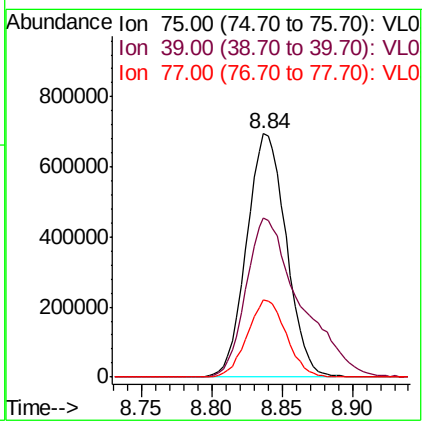


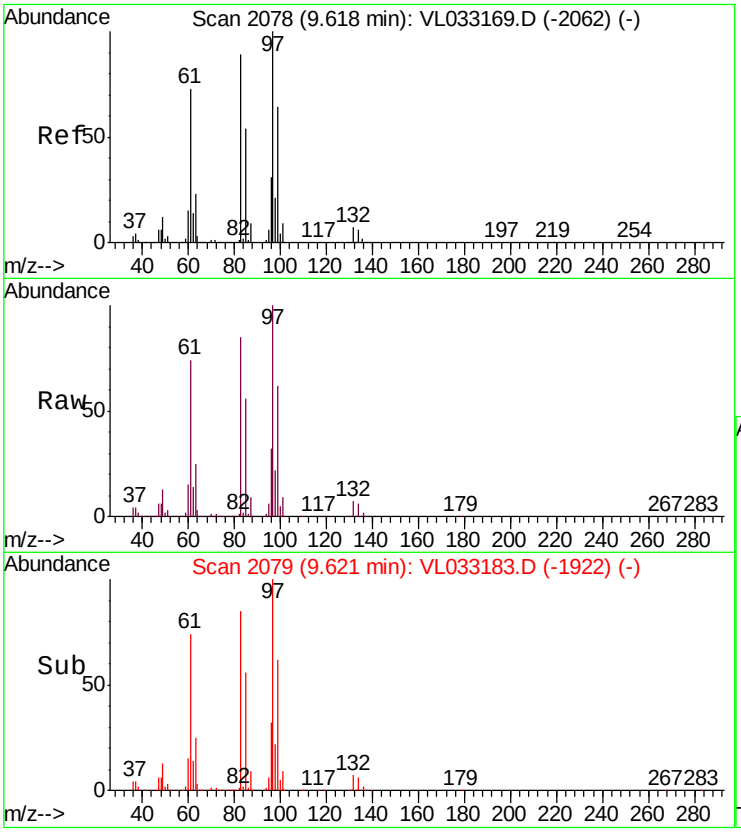


#46
cis-1,3-Dichloropropene
Concen: 10.345 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.01 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 75 Resp: 1363726

Ion	Ratio	Lower	Upper
75	100		
39	65.5	50.1	75.1
77	31.8	25.4	38.2



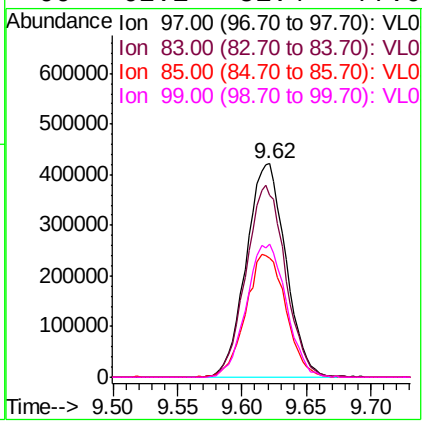


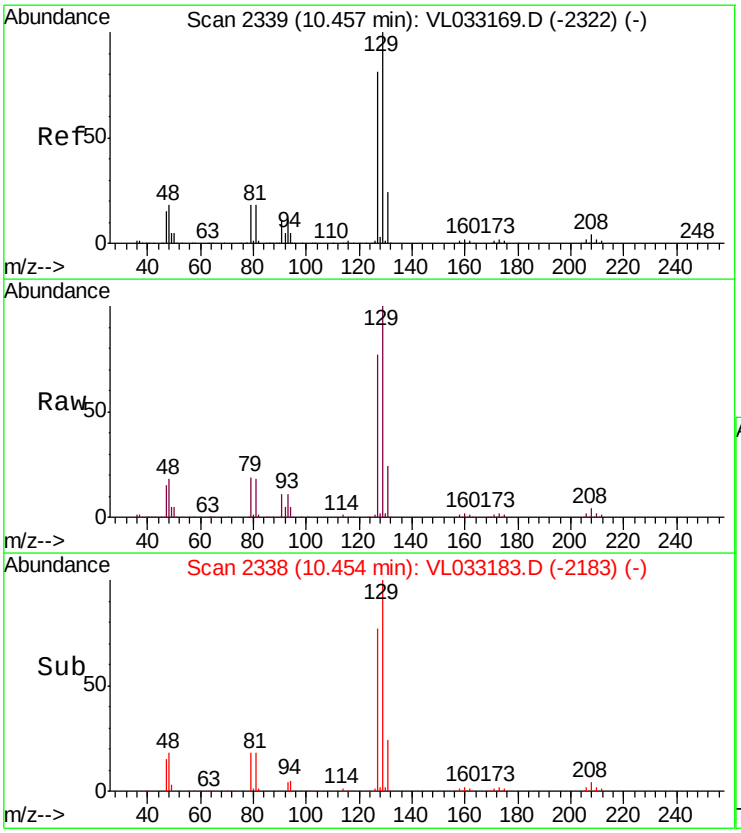
#47
1,1,2-Trichloroethane
Concen: 9.491 ppbv
RT: 9.62 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 97 Resp: 902000

Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.4	107.2
85	55.7	43.5	65.3
99	62.1	51.4	77.0

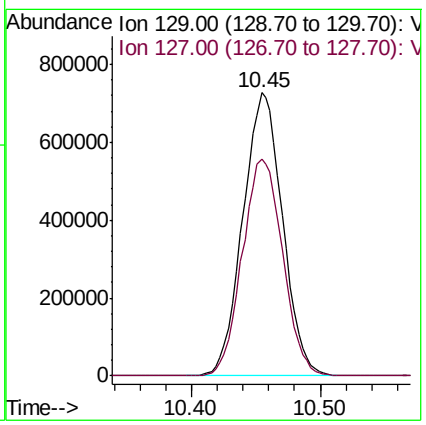


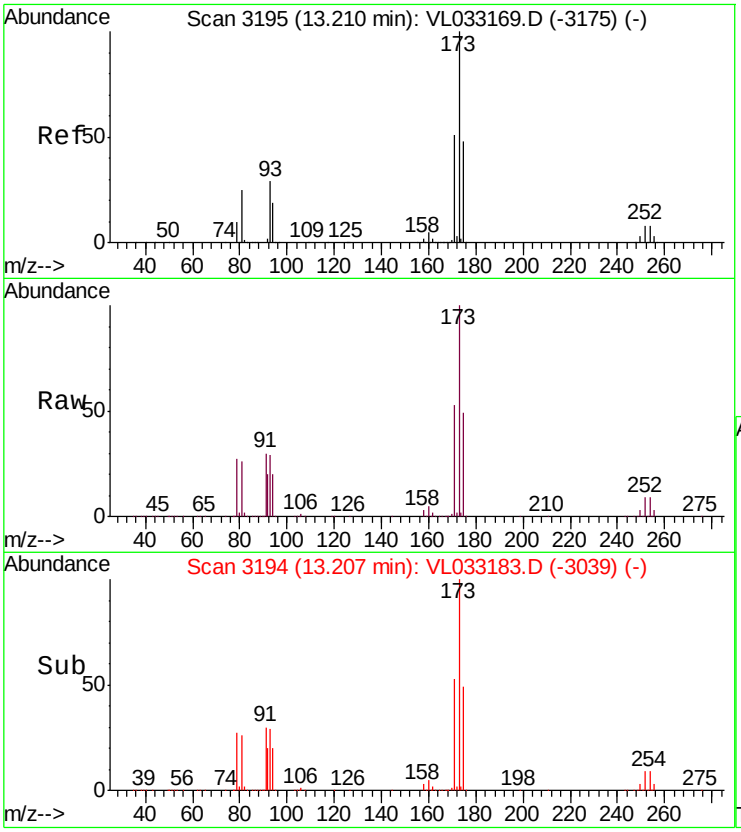


#48
Dibromochloromethane
Concen: 10.384 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:129 Resp: 1554836

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.3



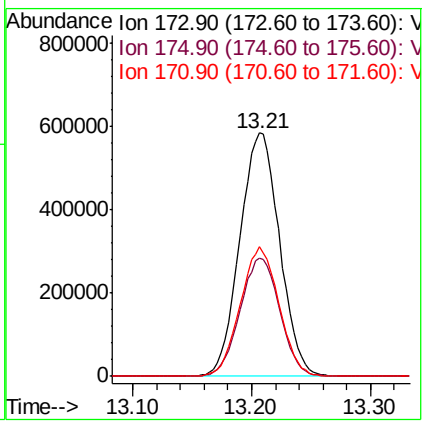


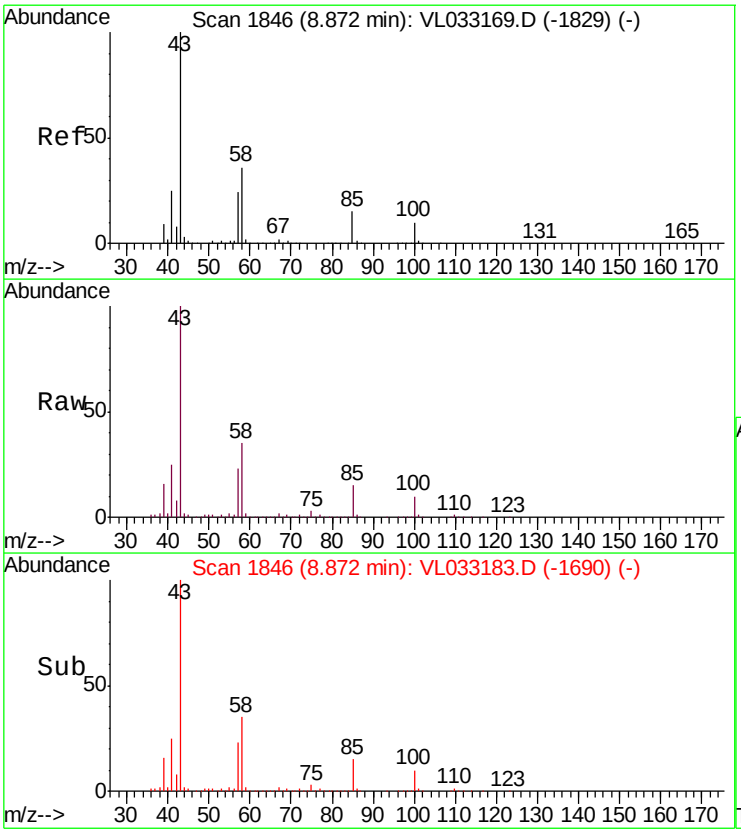
#49
Bromoform
Concen: 10.484 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1350704

Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.6	58.0
171	51.7	41.6	62.4

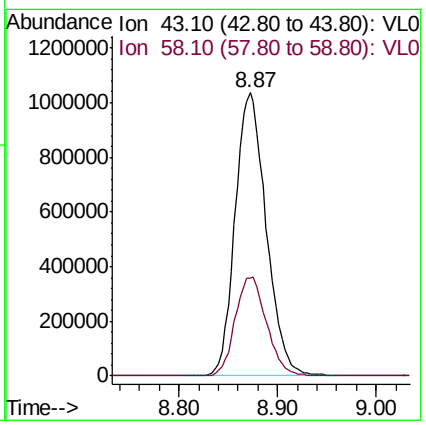


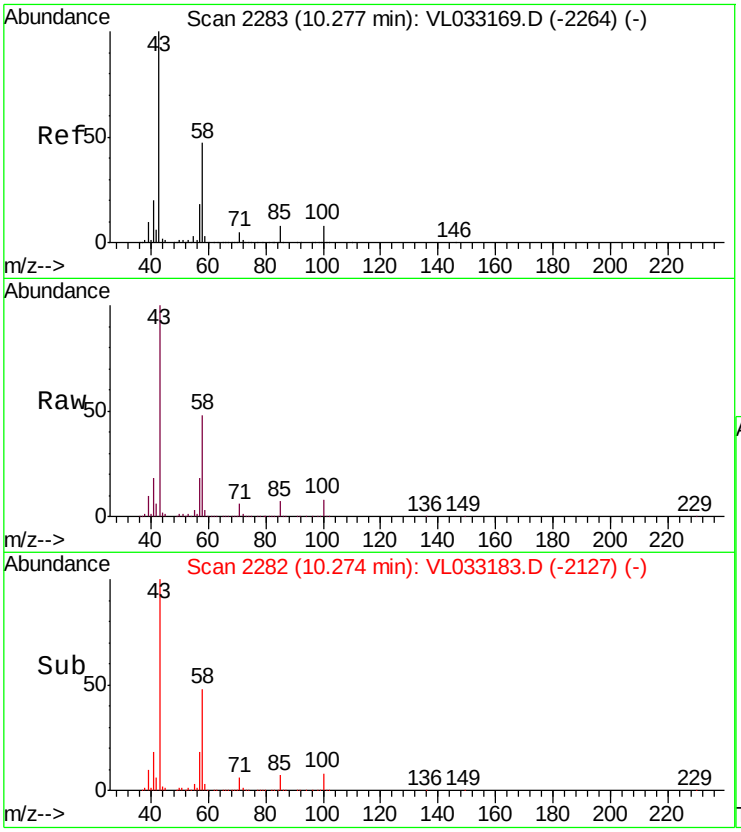


#50
4-Methyl-2-Pentanone
Concen: 9.711 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 43 Resp: 2261612

Ion	Ratio	Lower	Upper
43	100		
58	35.2	29.0	43.6



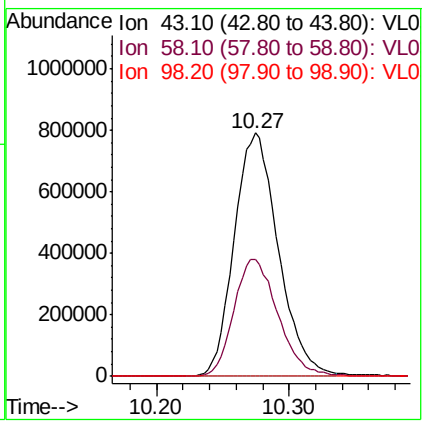


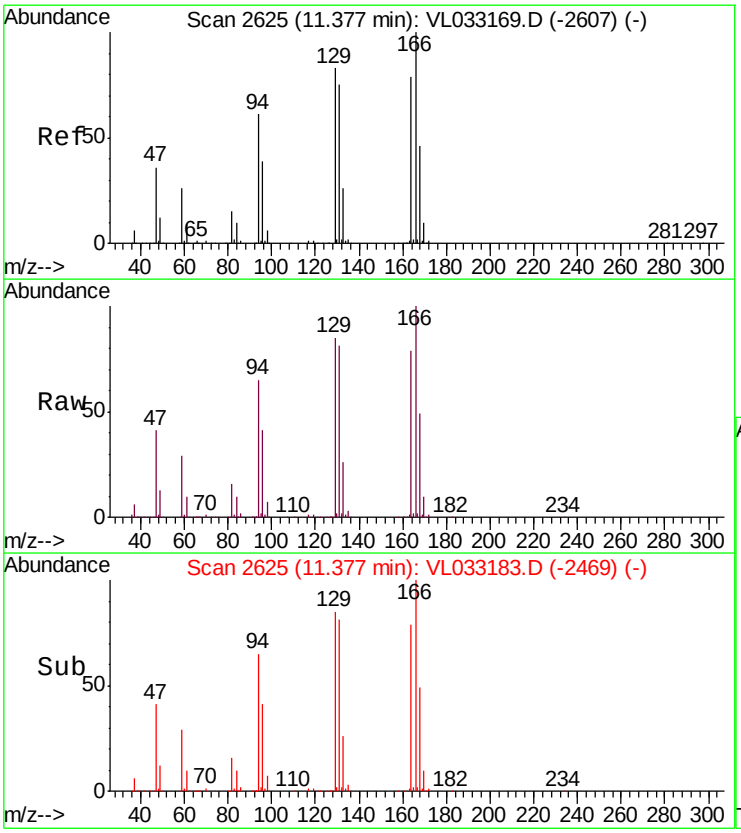
#51
2-Hexanone
Concen: 9.926 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1822748

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.0	58.6
98	0.1	0.1	0.1

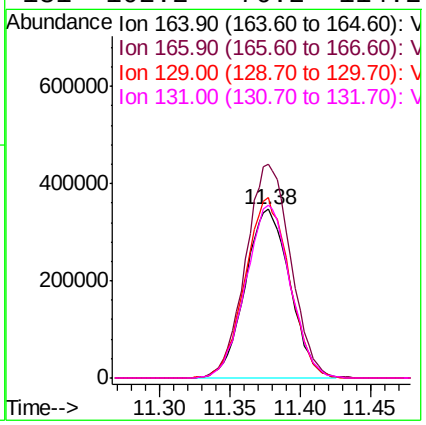


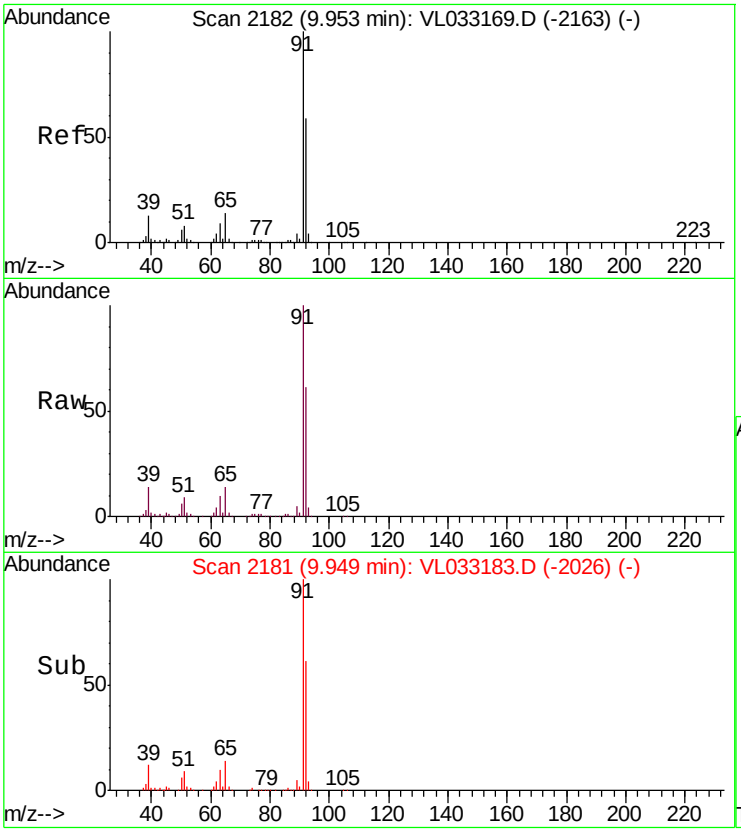


#52
Tetrachloroethene
Concen: 8.609 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:164 Resp: 767567

Ion	Ratio	Lower	Upper
164	100		
166	126.7	100.9	151.3
129	107.3	83.9	125.9
131	102.2	76.2	114.2



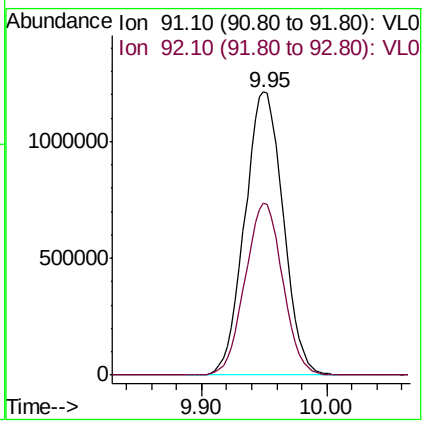


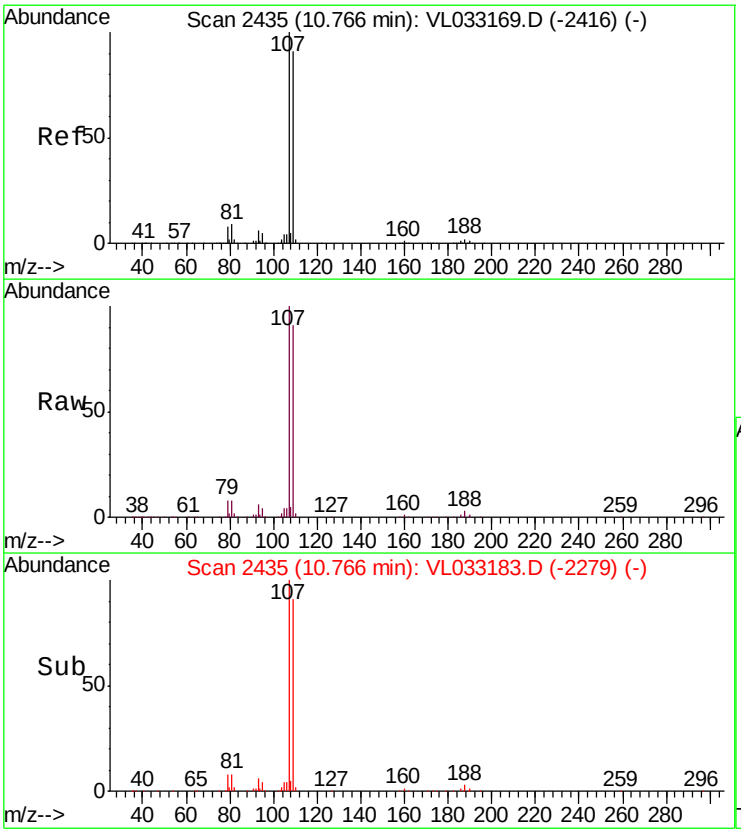
#53
Toluene
Concen: 9.405 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2584351

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.0	72.0

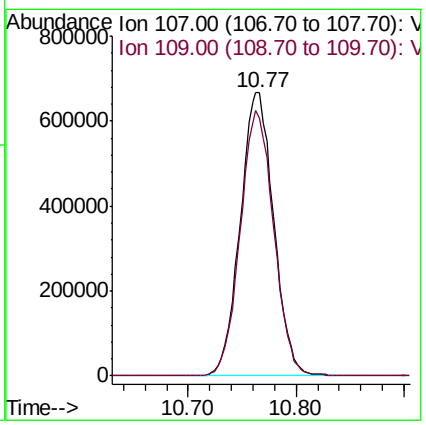


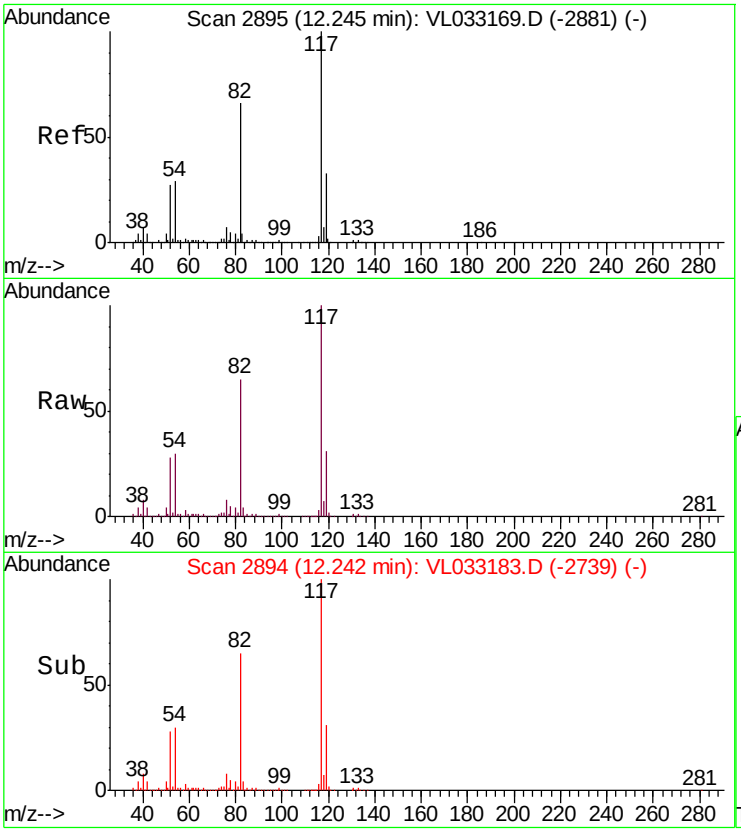


#54
1,2-Dibromoethane
Concen: 9.644 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:107 Resp: 1438280

Ion	Ratio	Lower	Upper
107	100		
109	91.2	73.2	109.8



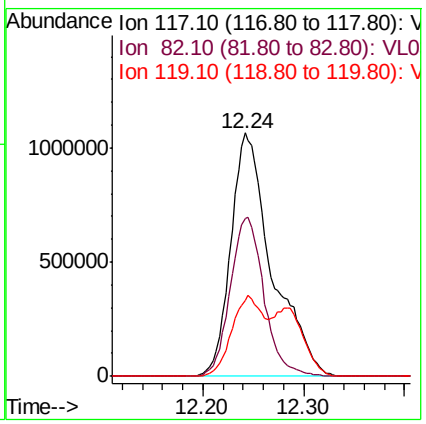


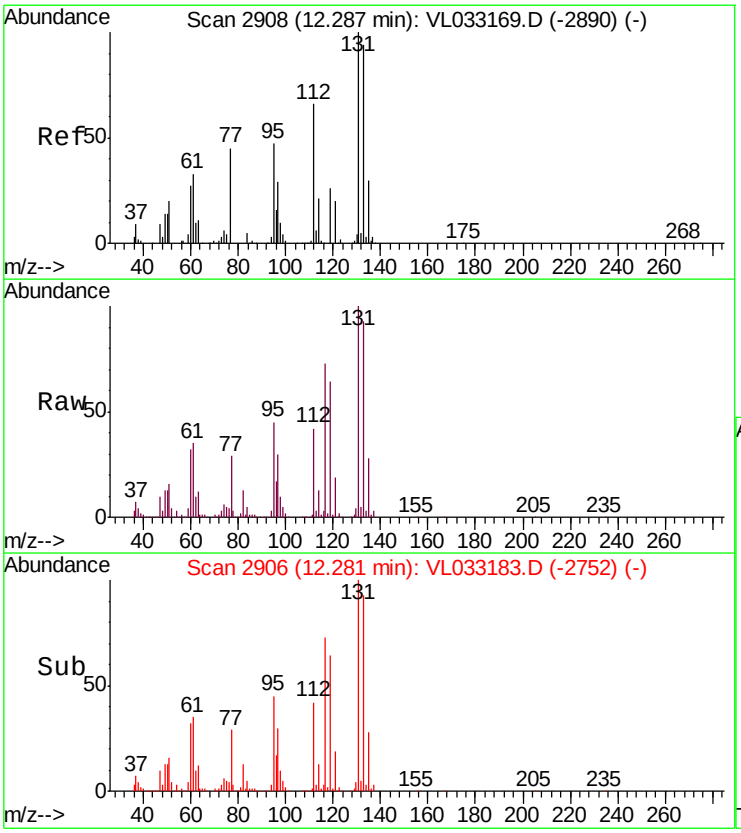
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 3018301

Ion	Ratio	Lower	Upper
117	100		
82	53.6	53.8	80.8#
119	28.7	46.9	70.3#

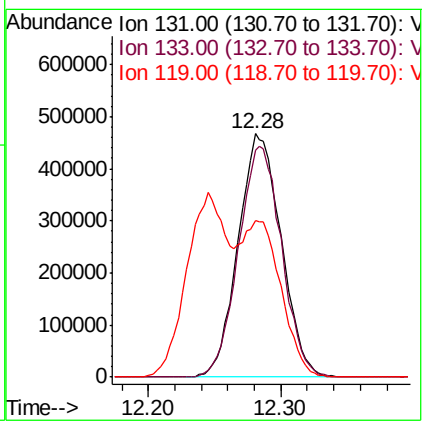


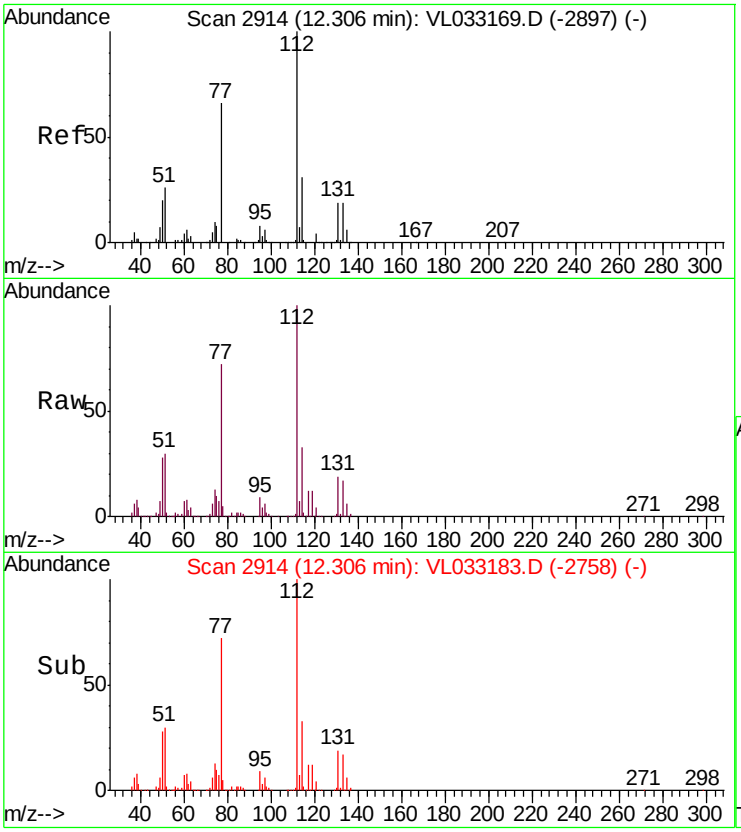


#56
1,1,1,2-Tetrachloroethane
Concen: 7.446 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:131 Resp: 1046651

Ion	Ratio	Lower	Upper
131	100		
133	95.5	75.8	113.6
119	56.7	48.1	72.1



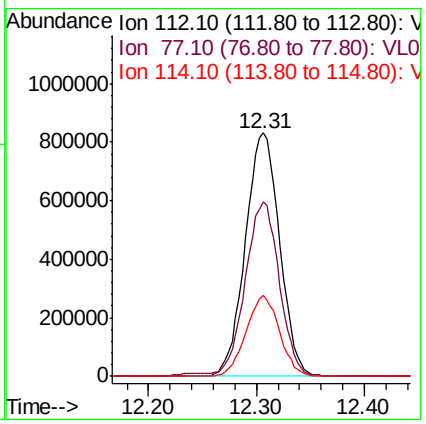


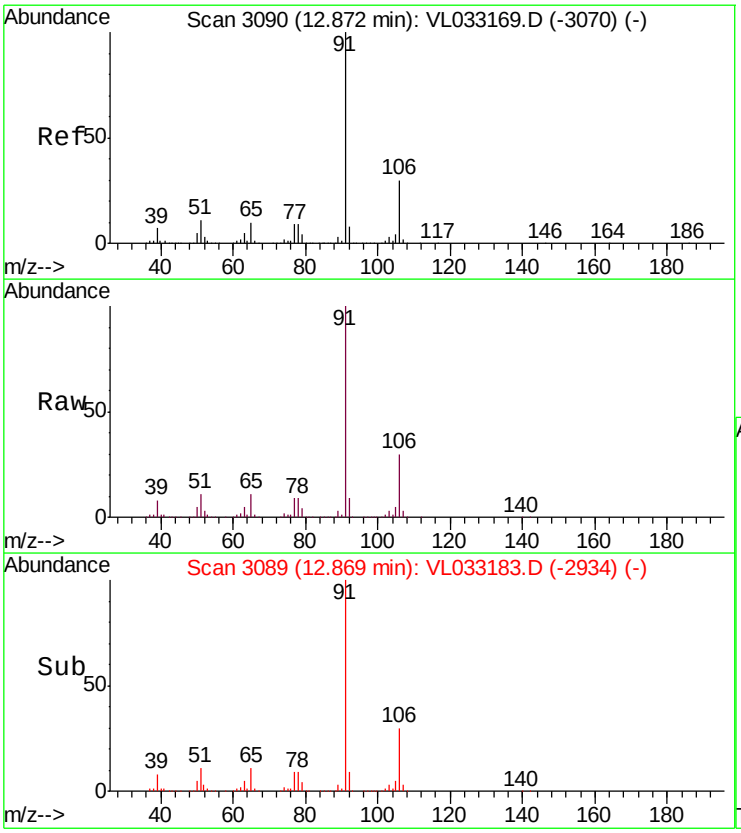
#57
Chlorobenzene
Concen: 6.865 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 1833567

Ion	Ratio	Lower	Upper
112	100		
77	71.6	54.0	81.0
114	33.2	27.9	34.1

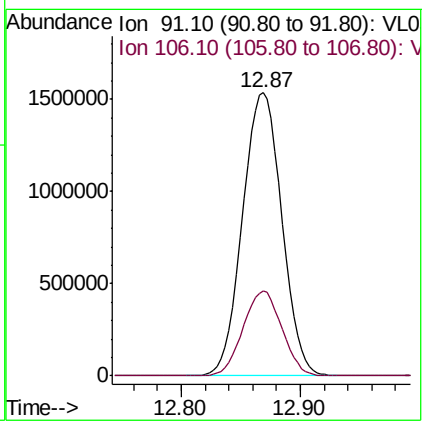


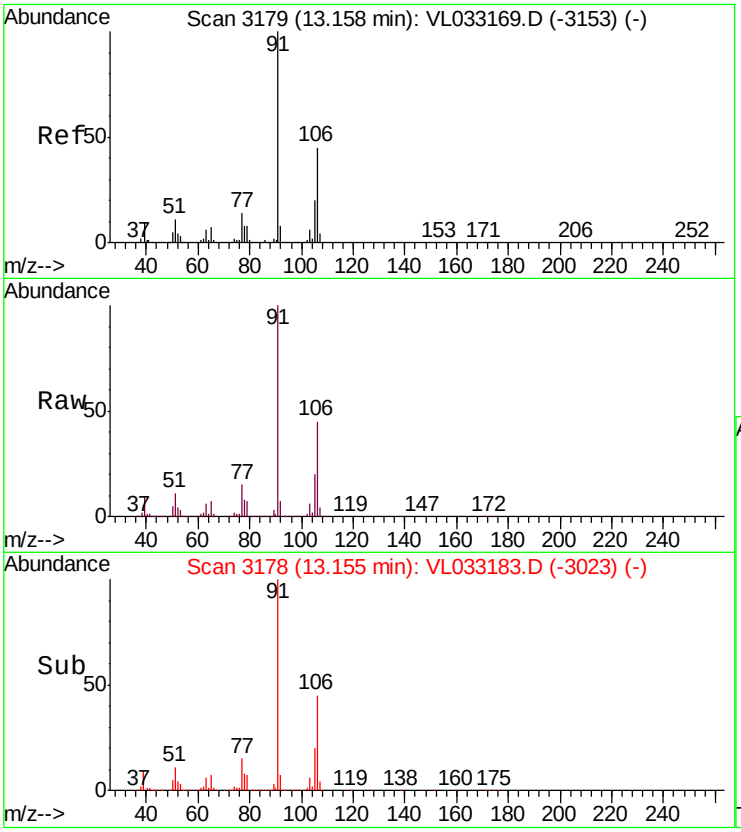


#58
Ethyl Benzene
Concen: 7.089 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 91 Resp: 3512052

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.8	35.8



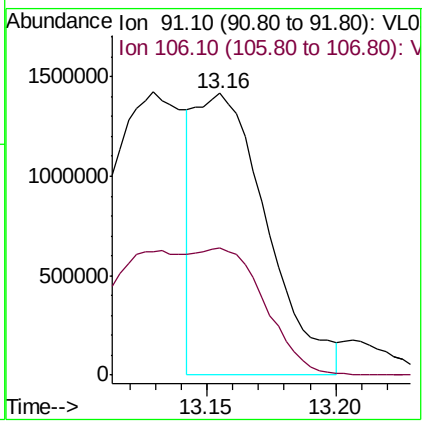


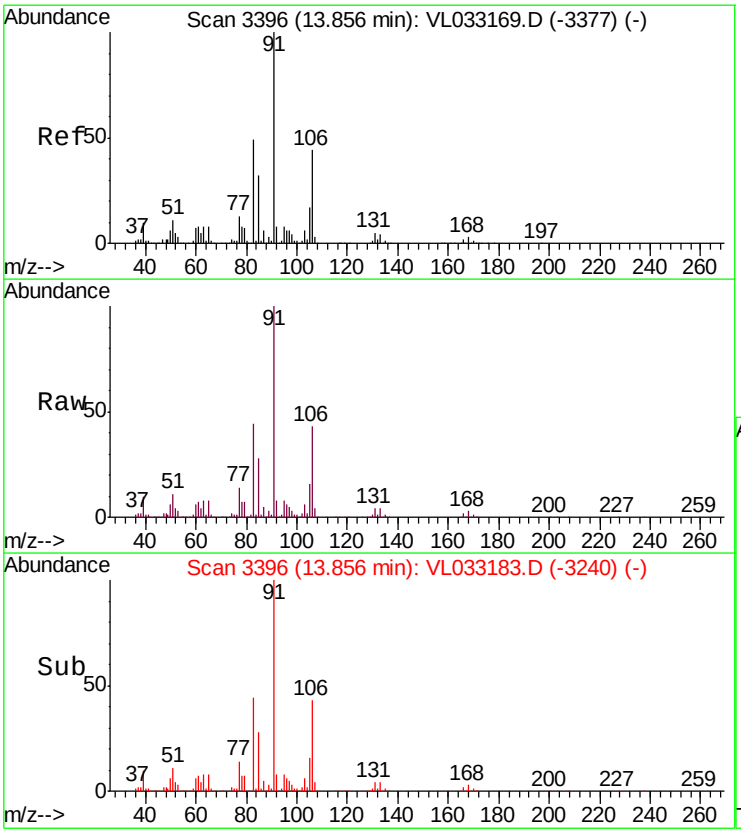
#59
m/p-Xylene
Concen: 6.627 ppbv
RT: 13.16 min Scan# 3178
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2731068

Ion	Ratio	Lower	Upper
91	100		
106	94.2	36.6	55.0#

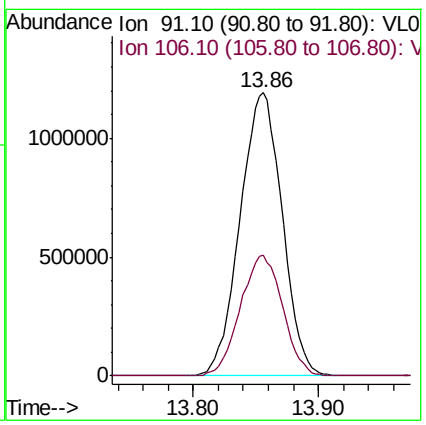


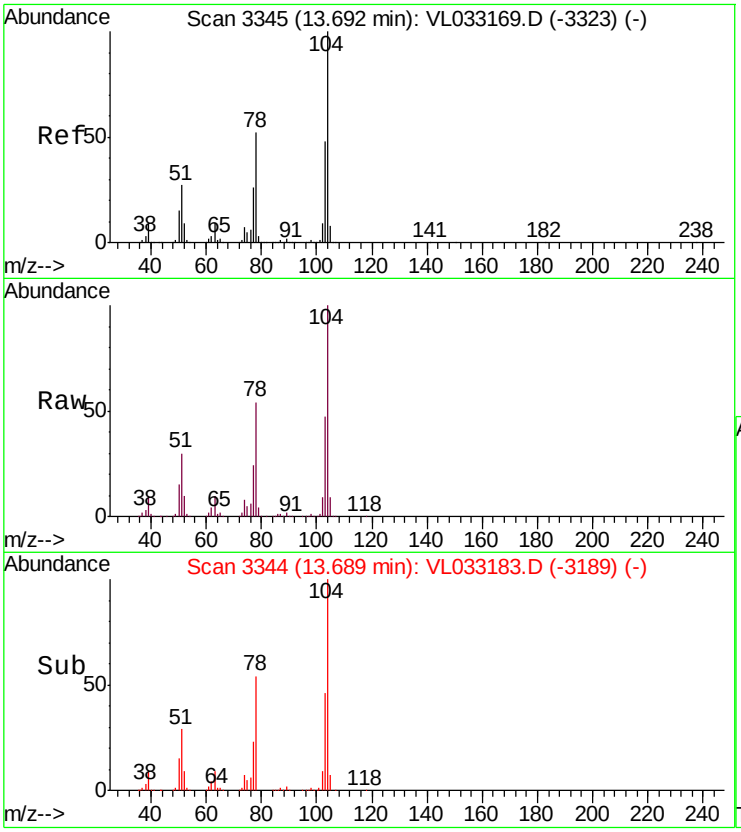


#60
o-Xylene
Concen: 6.924 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 91 Resp: 2782471

Ion	Ratio	Lower	Upper
91	100		
106	42.9	21.8	65.3



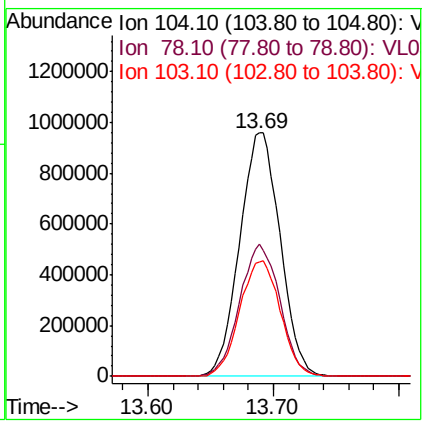


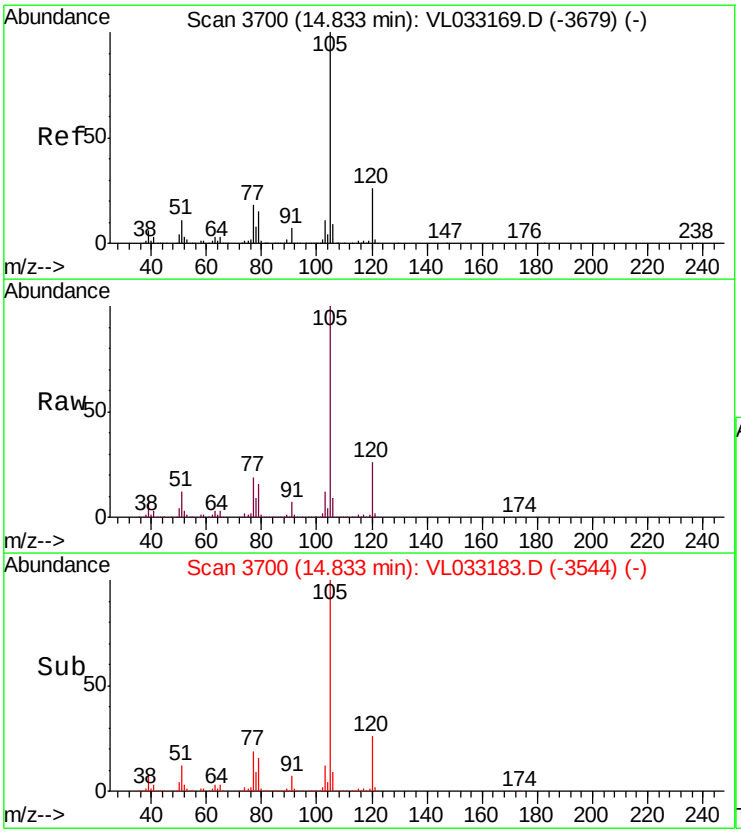
#61
Styrene
Concen: 7.096 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:104 Resp: 2152732

Ion	Ratio	Lower	Upper
104	100		
78	54.0	41.9	62.9
103	47.8	37.9	56.9

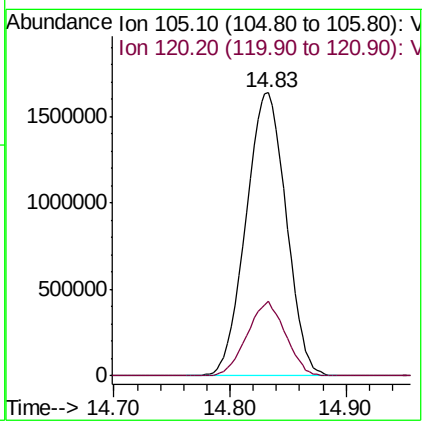


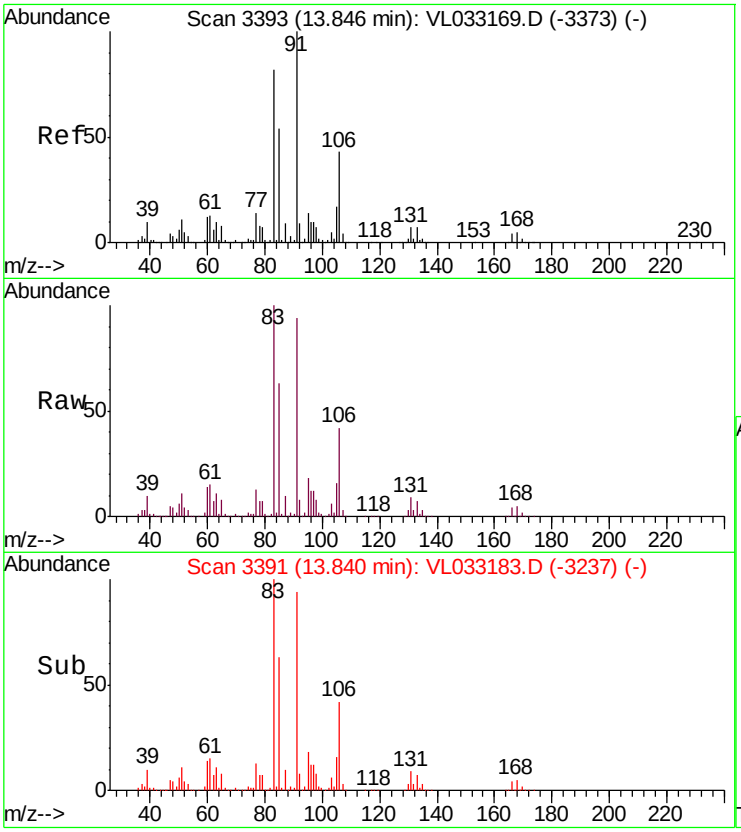


#62
Isopropylbenzene
Concen: 6.964 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:105 Resp: 3948604

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.3	30.5



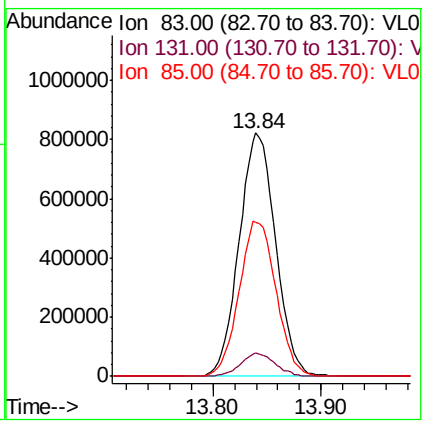


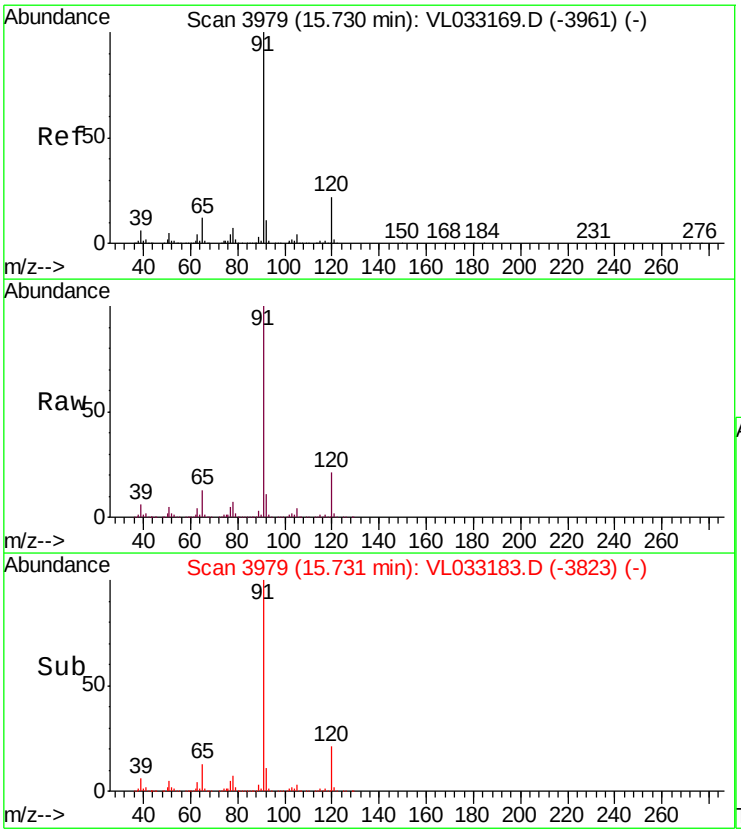
#63
1,1,2,2-Tetrachloroethane
Concen: 6.163 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 83 Resp: 1933540

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.8	14.3
85	64.7	32.8	98.3

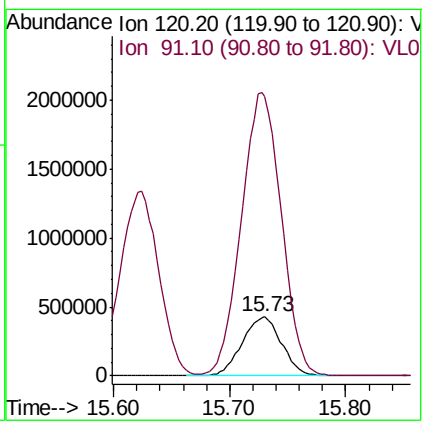


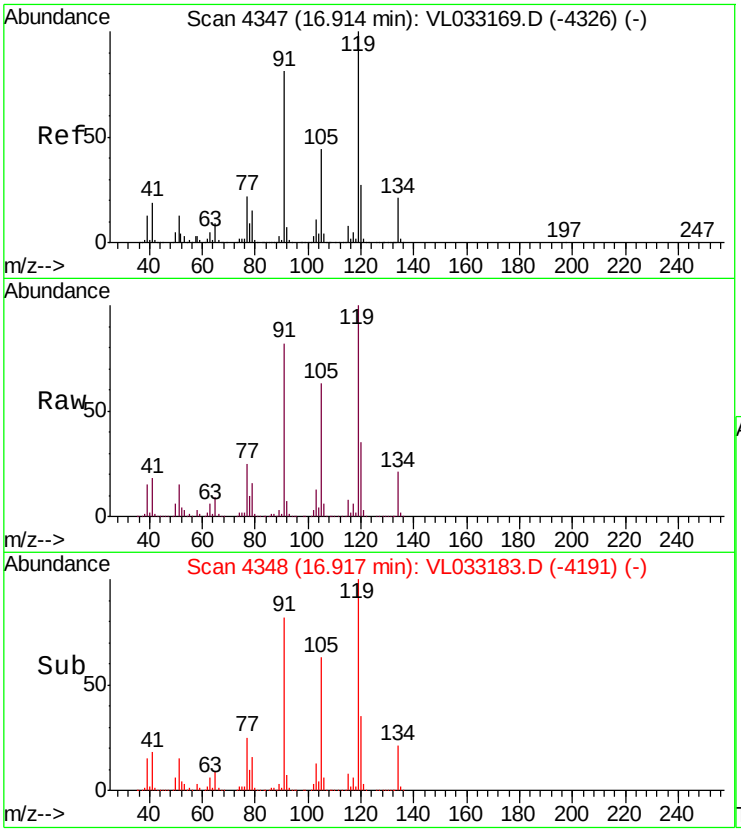


#64
n-propylbenzene
Concen: 7.003 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:120 Resp: 1009494

Ion	Ratio	Lower	Upper
120	100		
91	488.9	383.9	575.9



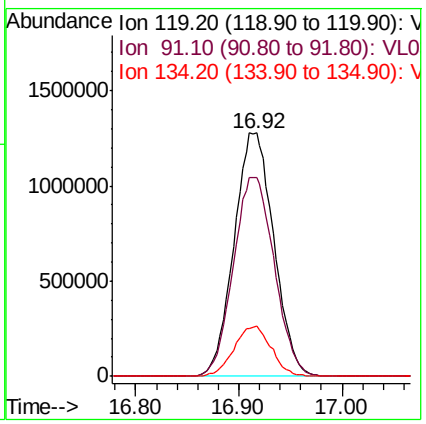


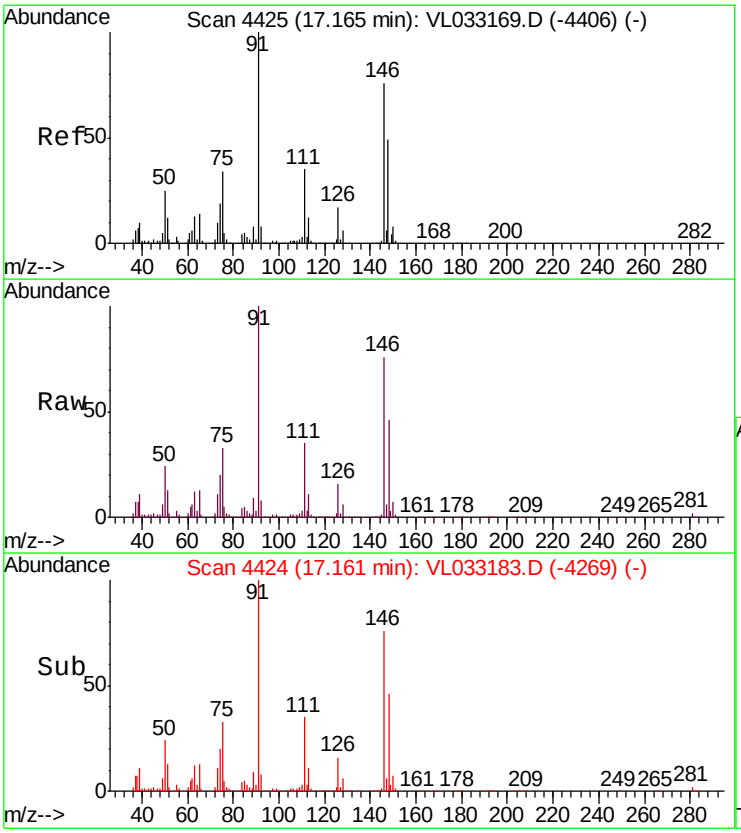
#65
tert-Butylbenzene
Concen: 6.933 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 3422925

Ion	Ratio	Lower	Upper
119	100		
91	84.3	65.6	98.4
134	19.4	15.8	23.8

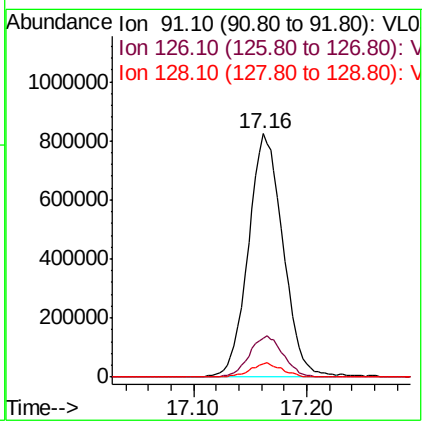


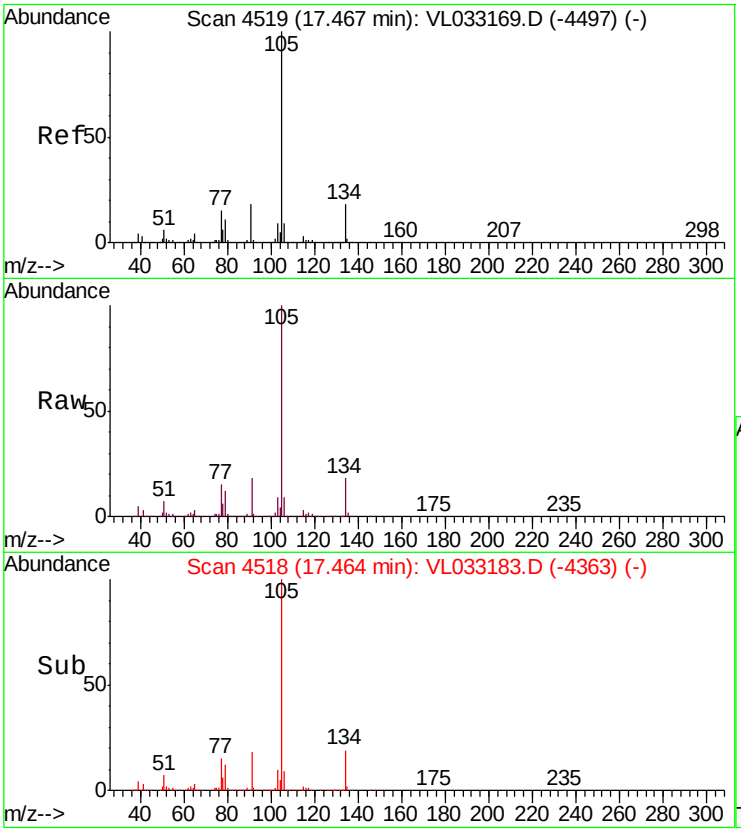


#66
Benzyl Chloride
Concen: 9.911 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 91 Resp: 1748712

Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.8	20.6
128	5.3	4.5	6.7



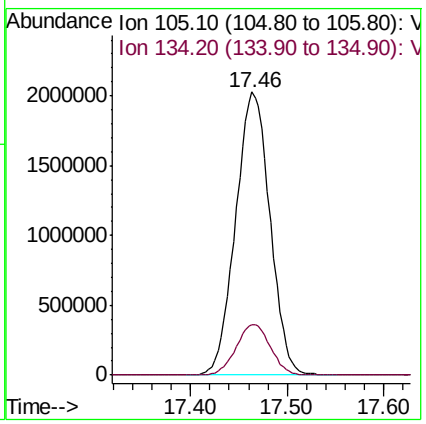


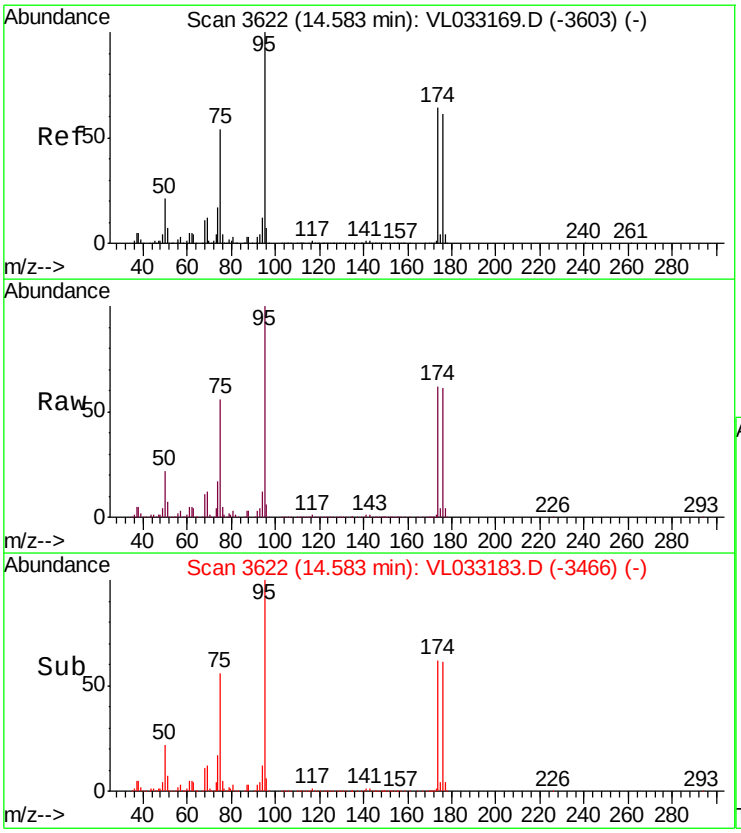
#67
sec-Butylbenzene
Concen: 6.962 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 4990038

Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.6	22.0

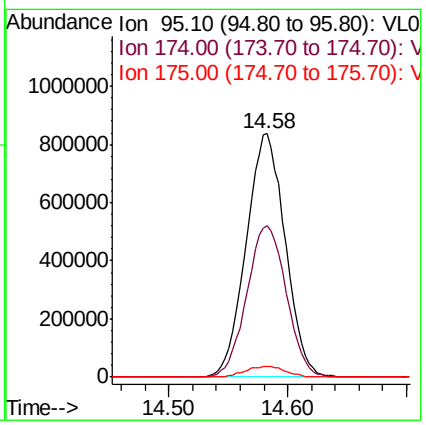


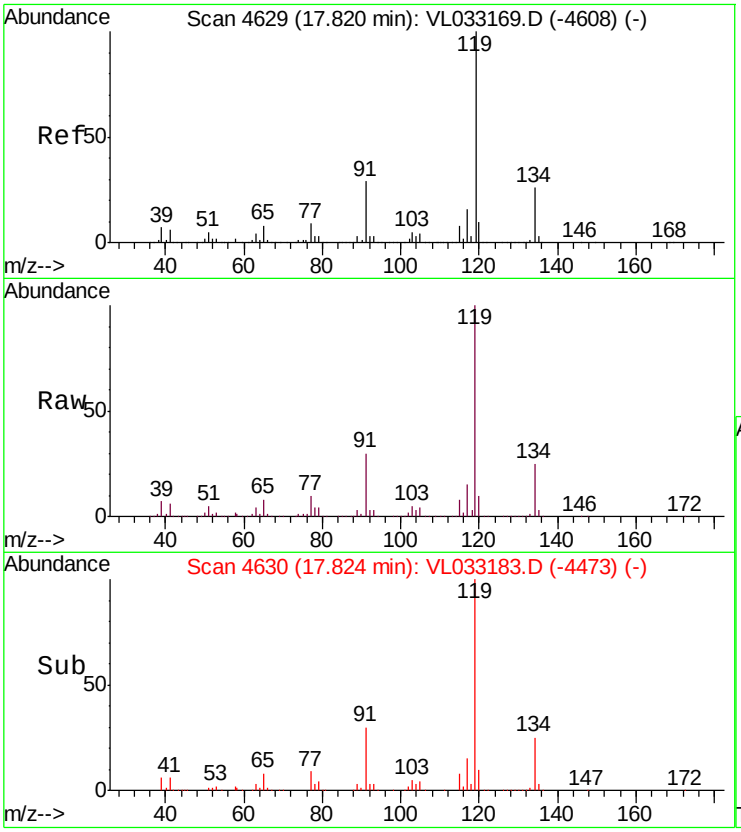


#68
1-Bromo-4-Fluorobenzene
Concen: 8.063 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 95 Resp: 1896469

Ion	Ratio	Lower	Upper
95	100		
174	63.2	51.1	76.7
175	4.6	3.8	5.6



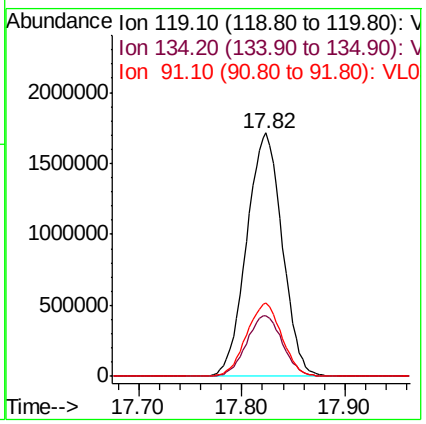


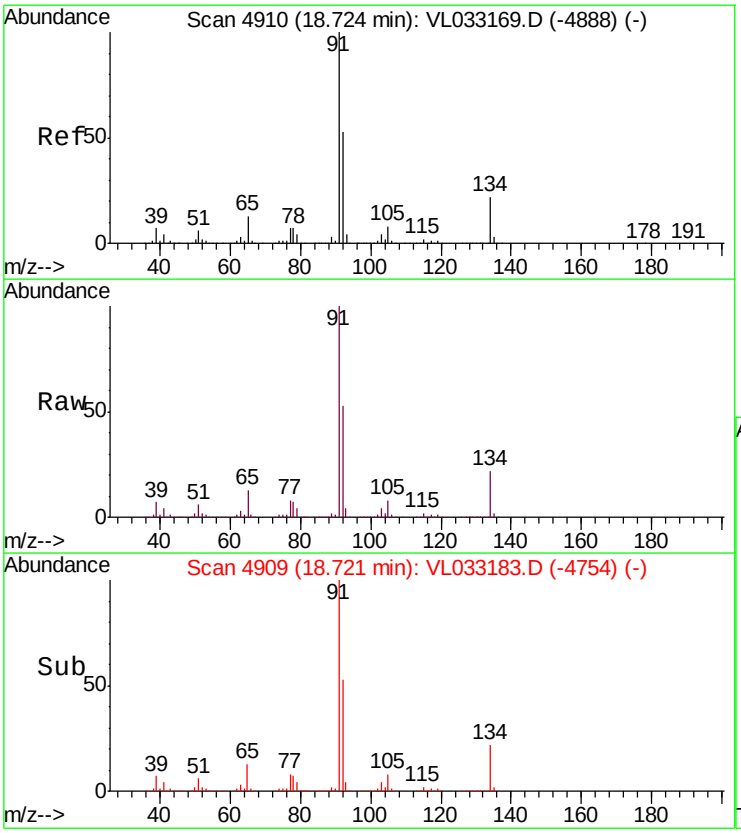
#69
p-Isopropyltoluene
Concen: 6.871 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 4101056

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	29.8	23.4	35.0

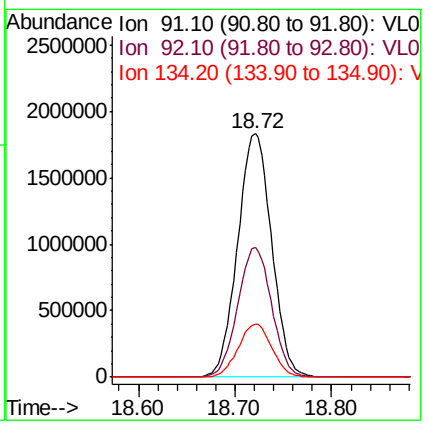


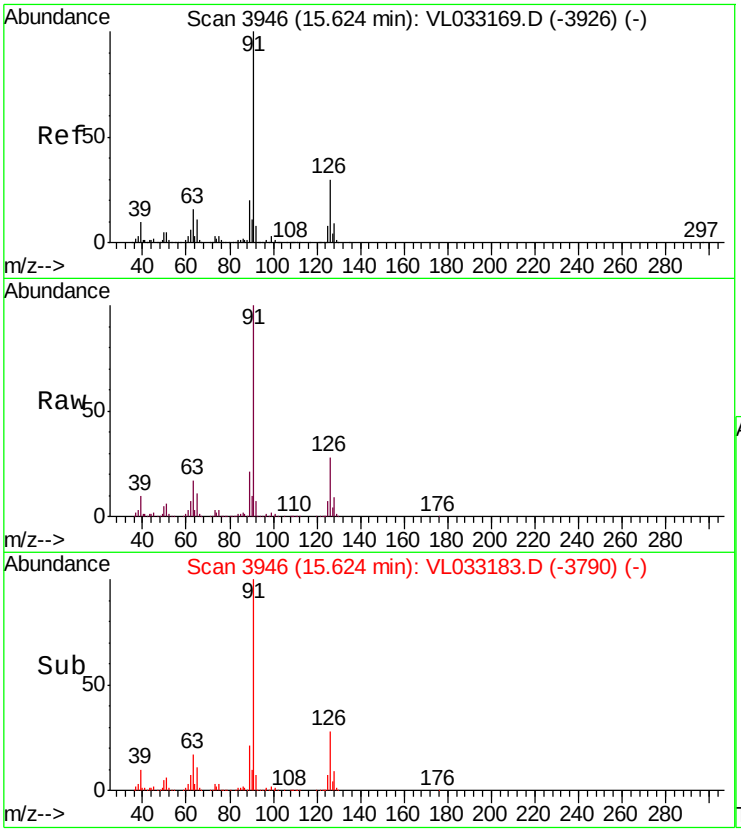


#70
n-Butylbenzene
Concen: 6.945 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 91 Resp: 4472442

Ion	Ratio	Lower	Upper
91	100		
92	53.2	43.0	64.4
134	21.7	17.5	26.3



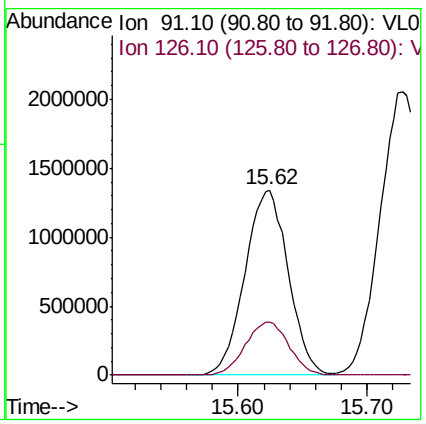


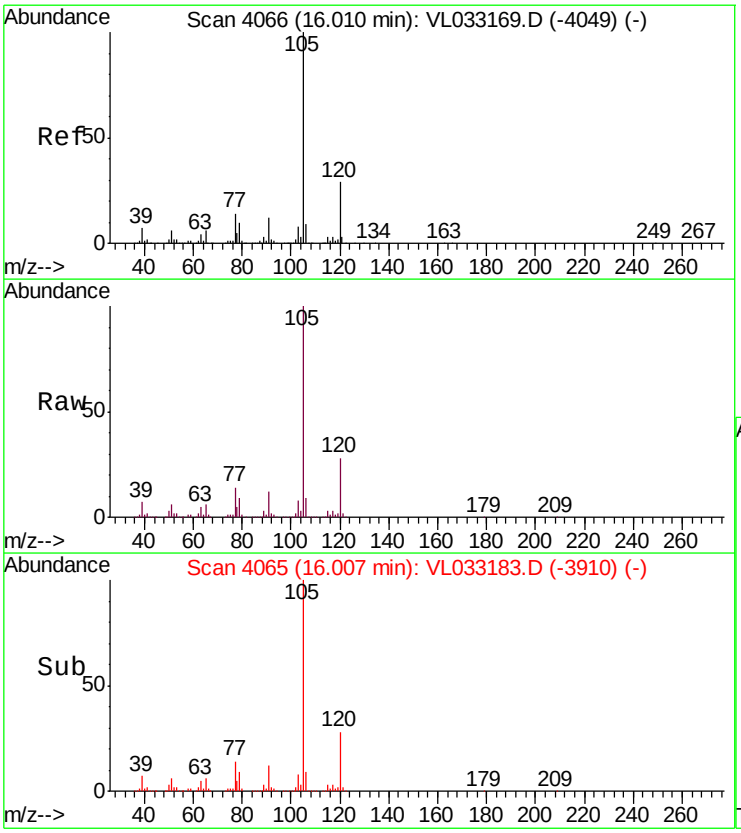
#71
2-Chlorotoluene
Concen: 7.047 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 3138870

Ion	Ratio	Lower	Upper
91	100		
126	29.0	11.8	47.4

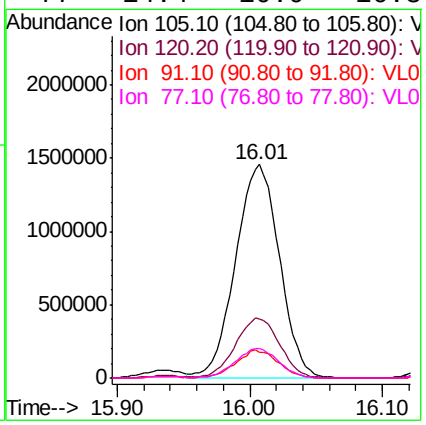


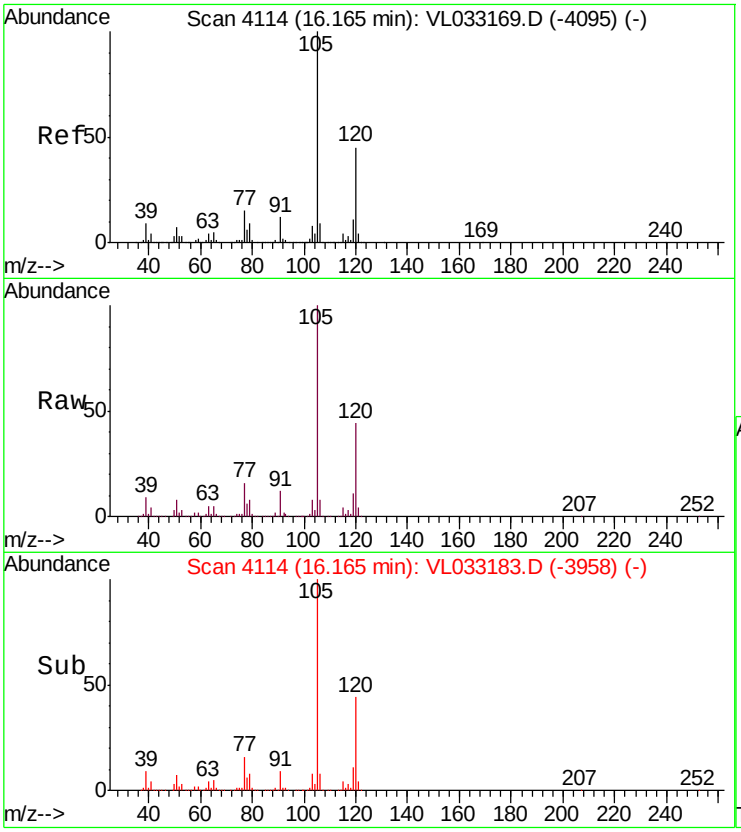


#72
4-Ethyltoluene
Concen: 7.209 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:105 Resp: 3341282

Ion	Ratio	Lower	Upper
105	100		
120	28.4	23.1	34.7
91	12.6	9.8	14.6
77	14.4	10.9	16.3



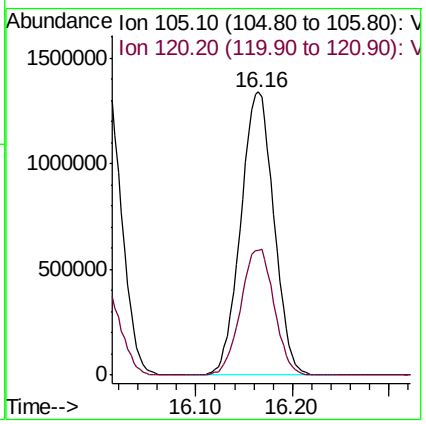


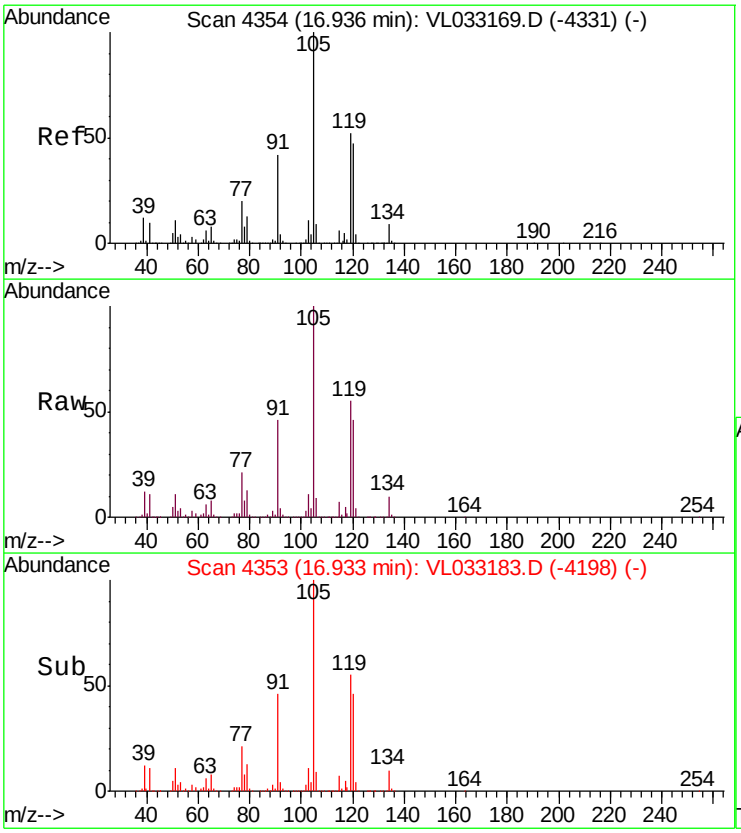
#73
1,3,5-Trimethylbenzene
Concen: 7.172 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 3179088

Ion	Ratio	Lower	Upper
105	100		
120	44.0	36.2	54.4

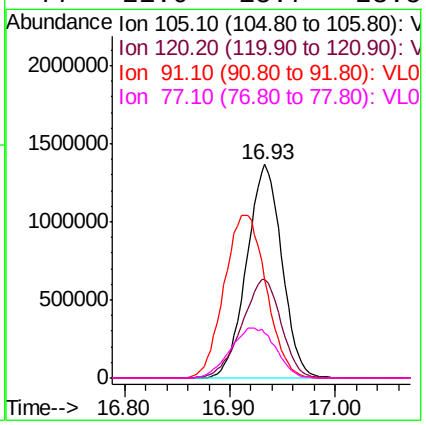


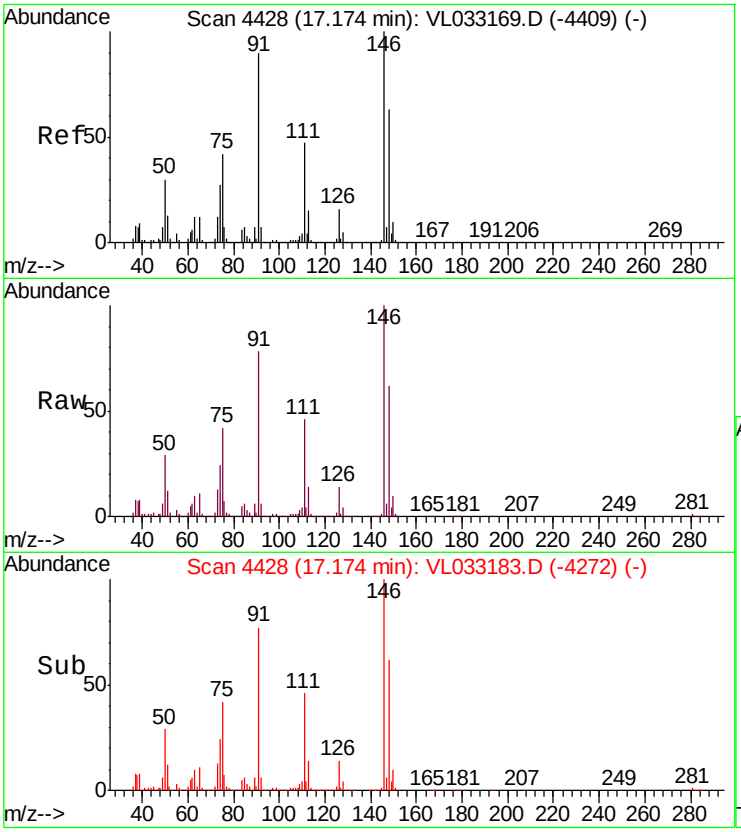


#74
1,2,4-Trimethylbenzene
Concen: 6.896 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:105 Resp: 3170518

Ion	Ratio	Lower	Upper
105	100		
120	46.0	37.9	56.9
91	46.2	34.0	51.0
77	21.0	15.7	23.5



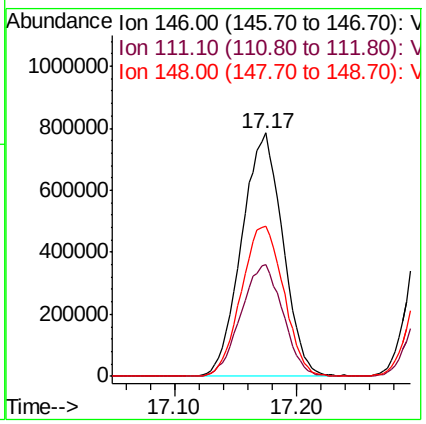


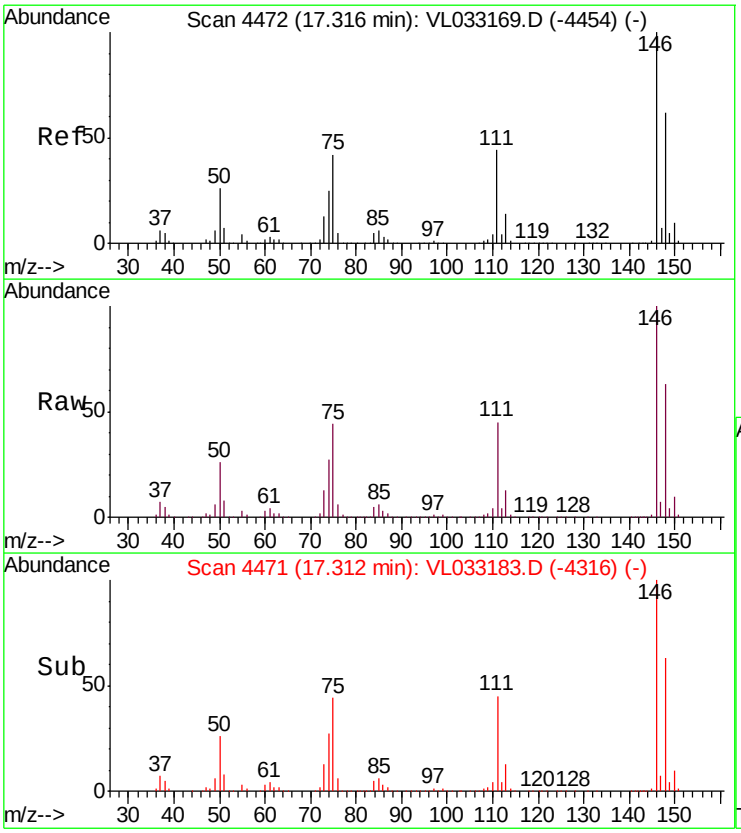
#75
1,3-Dichlorobenzene
Concen: 6.900 ppbv
RT: 17.17 min Scan# 4428
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1829736

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.2	69.6
148	63.7	31.8	95.4

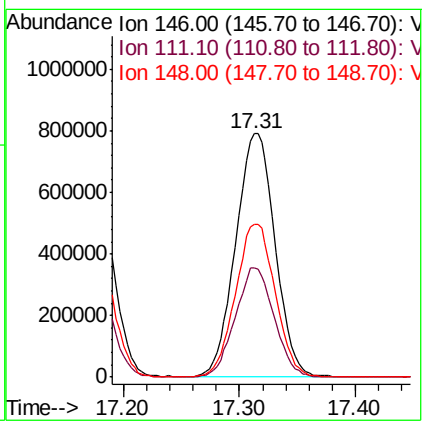


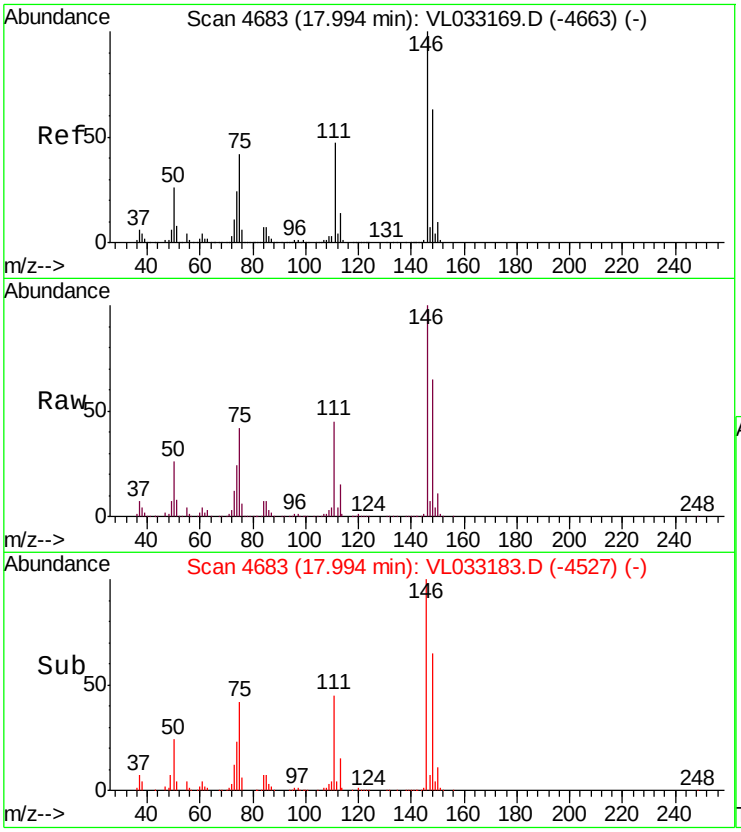


#76
1,4-Dichlorobenzene
Concen: 7.075 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:146 Resp: 1858673

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.3	66.9
148	63.9	32.0	96.0



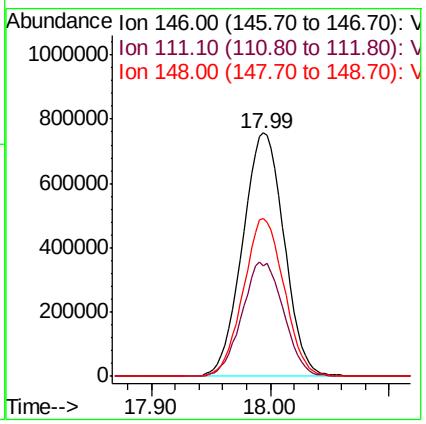


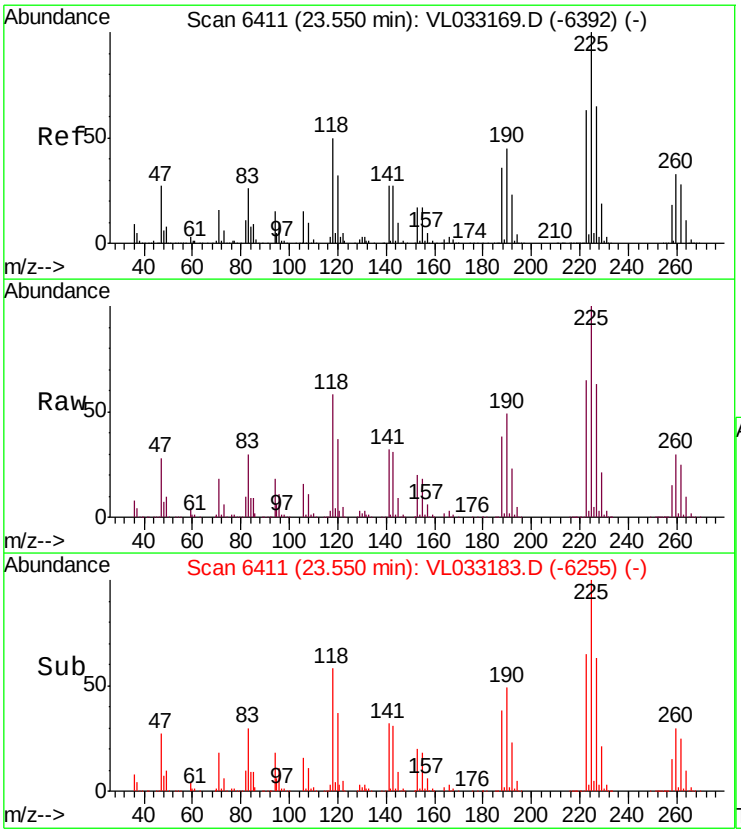
#77
1,2-Dichlorobenzene
Concen: 6.981 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1829180

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.5	70.6
148	63.8	31.9	95.7

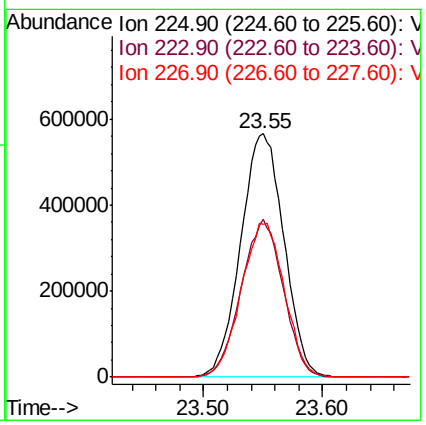


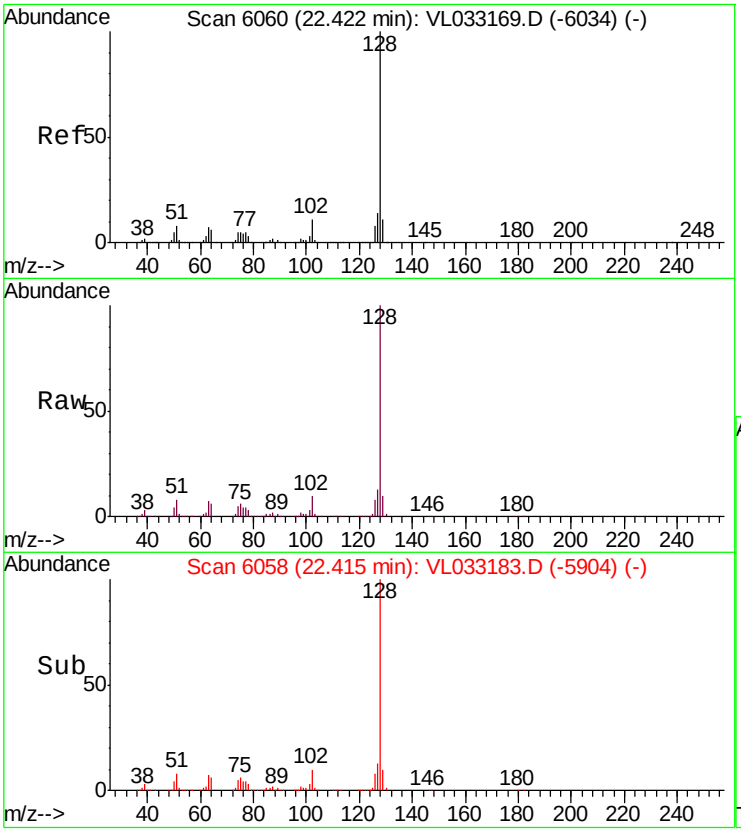


#78
Hexachloro-1,3-Butadiene
Concen: 10.926 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:225 Resp: 1423614

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	75.8
227	63.3	51.4	77.2



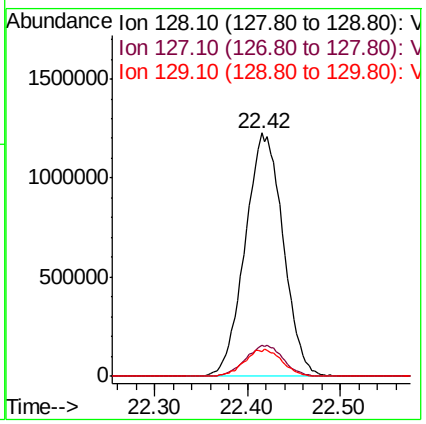


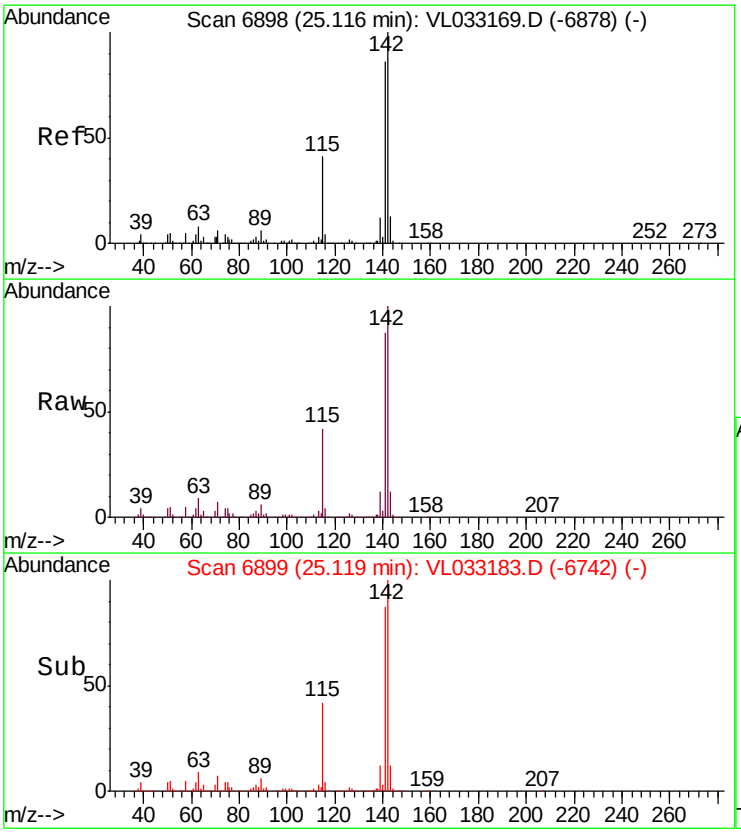
#79
Naphthalene
Concen: 7.084 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3500006

Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.0	16.4
129	10.4	8.6	12.8

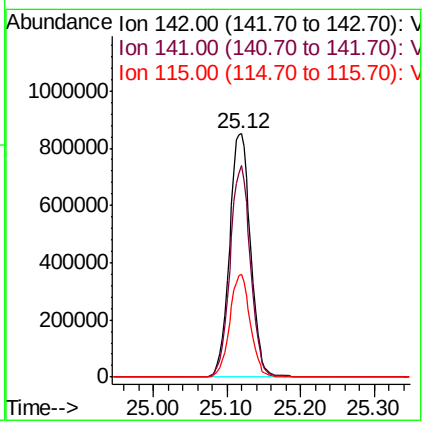


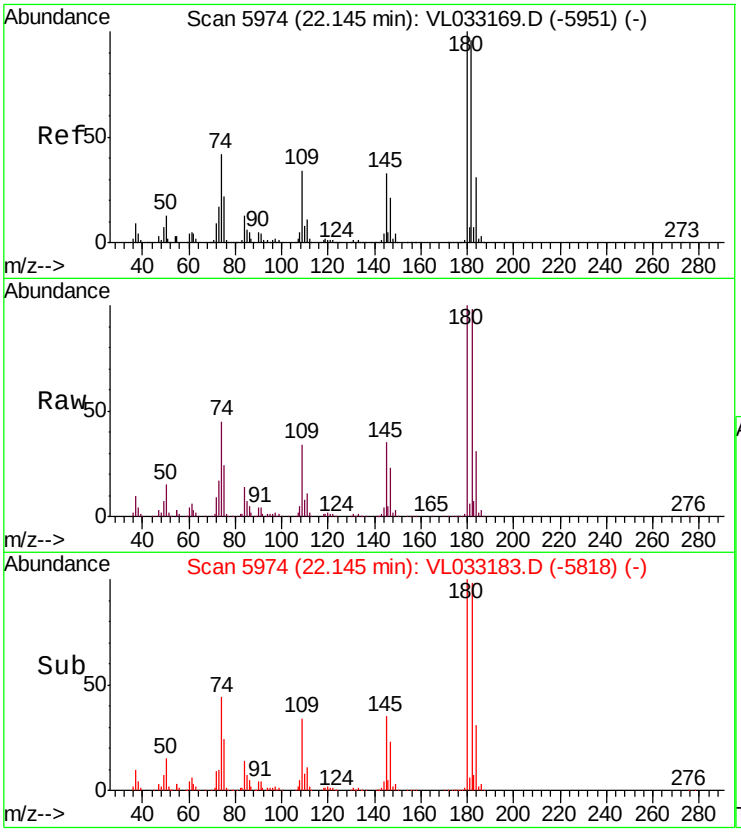


#80
Naphthalene,2-methyl-
Concen: 6.750 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:142 Resp: 1686958

Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.7	101.5
115	41.3	32.7	49.1





#81
1,2,4-Trichlorobenzene
Concen: 6.769 ppbv
RT: 22.15 min Scan# 5974
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1698859

Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.8
184	30.8	24.3	36.5