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

Quantitation Report (Not Reviewed)

Data File : VL033176.D
Acq On : 6 Feb 2019 6:59
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Quant Time: Feb 20 06:16:53 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	1062983	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2588802	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3234000	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1991700	7.90	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 79.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1751219	8.617	ppbv	99
3) Chlorodifluoromethane	3.01	51	1191409	9.308	ppbv	98
4) Chloromethane	3.17	50	641086	9.486	ppbv	99
5) Vinyl Chloride	3.29	62	623786	8.839	ppbv	99
6) Bromomethane	3.51	94	392353	10.116	ppbv	98
7) Chloroethane	3.60	64	234516	10.165	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1467075	9.230	ppbv	100
9) Propene	3.04	41	568473	9.194	ppbv	99
10) Heptane	8.25	43	1468025	7.848	ppbv	100
11) Trichlorofluoromethane	4.00	101	1573708	9.565	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1057429	9.273	ppbv	98
13) Ethanol	3.65	45	161530	7.687	ppbv	94
14) Bromoethene	3.79	108	490293	9.972	ppbv	99
15) Acetone	3.90	43	1065280	8.895	ppbv	100
16) 1,3-Butadiene	3.36	39	533281	9.381	ppbv	98
17) tert-Butyl alcohol	4.36	59	244525	10.629	ppbv	99
18) 1,1-Dichloroethene	4.35	96	499362	9.783	ppbv	96
19) Isopropyl Alcohol	4.02	45	787432	9.695	ppbv	99
20) Methylene Chloride	4.41	84	417548	8.765	ppbv	96
21) Allyl Chloride	4.48	41	793724	10.037	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	486434	9.813	ppbv	93
23) Vinyl Acetate	5.16	43	2058666	9.918	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1397346	9.518	ppbv	99
25) Ethyl Acetate	5.77	43	2382935	8.850	ppbv	100
26) Hexane	5.78	57	1086073	8.592	ppbv	100
27) Carbon Disulfide	4.62	76	1204996	10.406	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1663051	9.628	ppbv	100
29) Chloroform	5.85	83	1732326	8.943	ppbv	97
30) Cyclohexane	7.25	84	963758	8.217	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1144952	9.050	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1652597	7.748	ppbv	100
34) 2-Butanone	5.33	43	1670375	10.172	ppbv	100
35) Carbon Tetrachloride	7.14	117	1738635	8.794	ppbv	98
36) Benzene	7.01	78	2330658	8.883	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1327815	9.132	ppbv	99
38) Trichloroethene	7.97	130	850665	7.587	ppbv	95
39) 1,2-Dichloropropane	7.74	63	902778	8.713	ppbv	98
40) 1,4-Dioxane	7.96	88	322508	8.766	ppbv	91
41) Tetrahydrofuran	6.15	42	949223	9.351	ppbv	100
42) Bromodichloromethane	7.92	83	1905432	9.043	ppbv	99
43) Methyl Methacrylate	8.14	69	950040	9.019	ppbv	100

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

Quantitation Report (Not Reviewed)

Data File : VL033176.D
Acq On : 6 Feb 2019 6:59
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Quant Time: Feb 20 06:16:53 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	3819316	8.590	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1238087	10.614	ppbv		97
46) cis-1,3-Dichloropropene	8.84	75	1433707	9.619	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	938697	8.736	ppbv		96
48) Dibromochloromethane	10.46	129	1579632	9.331	ppbv		100
49) Bromoform	13.21	173	1386298	9.517	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	2335297	8.869	ppbv		99
51) 2-Hexanone	10.27	43	1877621	9.044	ppbv	#	99
52) Tetrachloroethene	11.38	164	817516	8.110	ppbv		97
53) Toluene	9.95	91	2727696	8.780	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1475593	8.751	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.28	131	1102011	7.316	ppbv		97
57) Chlorobenzene	12.31	112	1962316	6.857	ppbv		98
58) Ethyl Benzene	12.87	91	3731065	7.029	ppbv		99
59) m/p-Xylene	13.15	91	2940372	6.659	ppbv	#	28
60) o-Xylene	13.86	91	2919298	6.780	ppbv		100
61) Styrene	13.69	104	2299736	7.075	ppbv		99
62) Isopropylbenzene	14.83	105	4191751	6.900	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2008510	5.975	ppbv		100
64) n-propylbenzene	15.73	120	1082077	7.006	ppbv		99
65) tert-Butylbenzene	16.92	119	3638152	6.877	ppbv		100
66) Benzyl Chloride	17.16	91	1863960	9.860	ppbv		100
67) sec-Butylbenzene	17.47	105	5238551	6.821	ppbv		99
69) p-Isopropyltoluene	17.82	119	4314074	6.745	ppbv		100
70) n-Butylbenzene	18.72	91	4643551	6.730	ppbv		100
71) 2-Chlorotoluene	15.62	91	3297432	6.909	ppbv		100
72) 4-Ethyltoluene	16.01	105	3522044	7.092	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3350886	7.055	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	3324564	6.749	ppbv		95
75) 1,3-Dichlorobenzene	17.17	146	1956025	6.885	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1965826	6.984	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1914220	6.818	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	604776	4.332	ppbv	#	7
79) Naphthalene	22.42	128	3508886	6.628	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	1620870	6.053	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1730249	6.434	ppbv		99

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

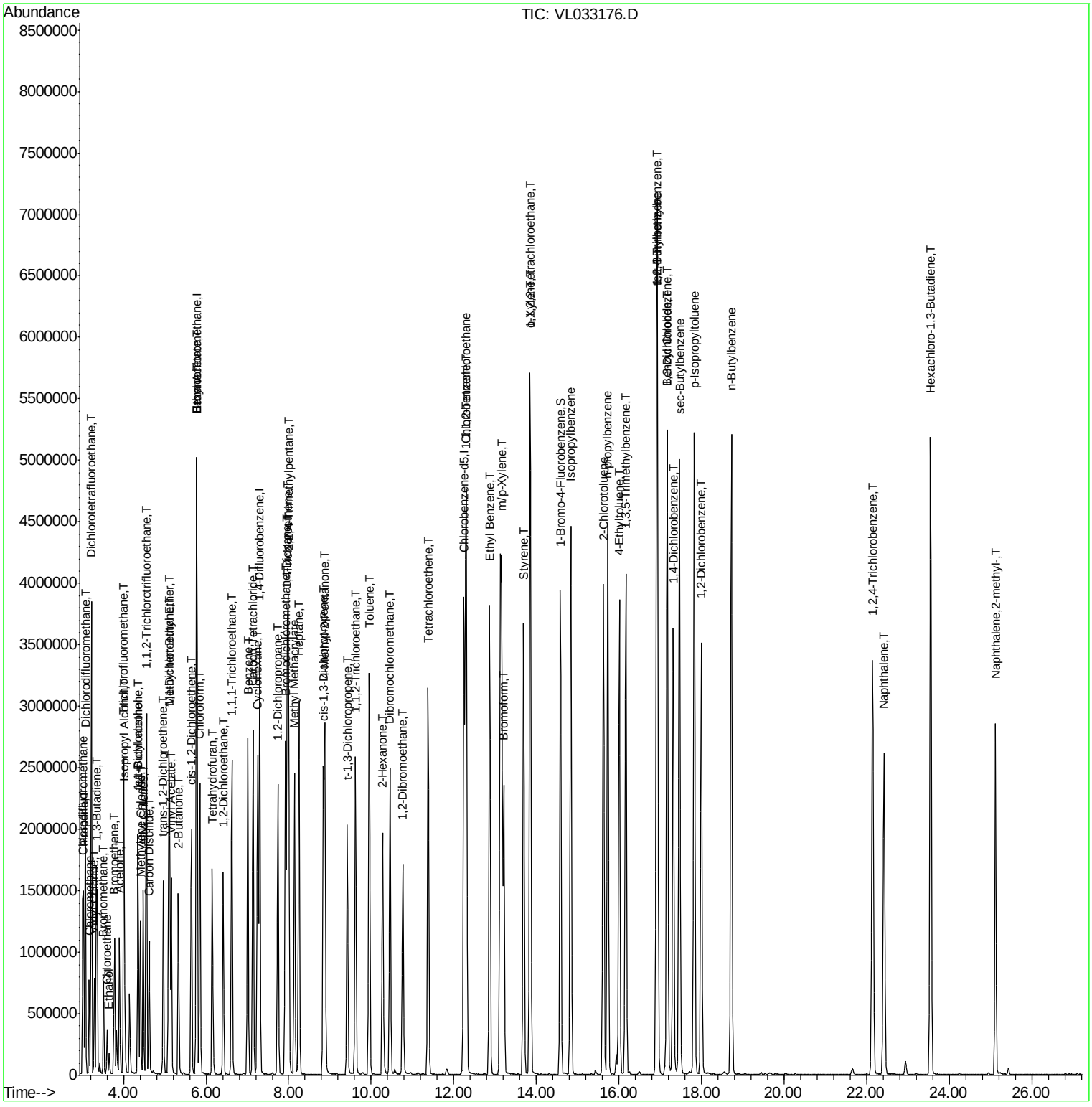
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

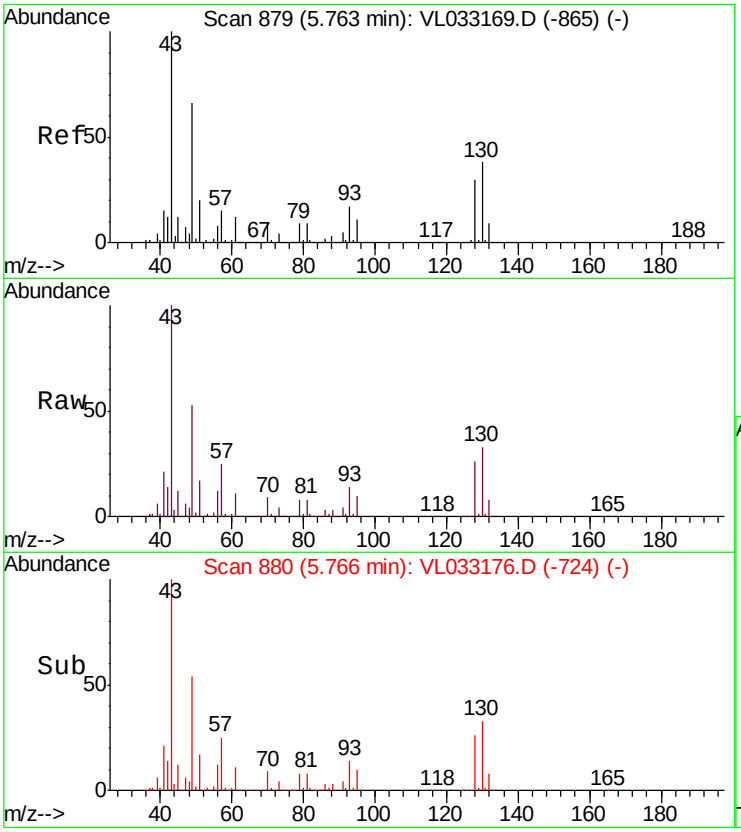
Quantitation Report (Not Reviewed)

Data File : VL033176.D
Acq On : 6 Feb 2019 6:59
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Quant Time: Feb 20 06:16:53 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



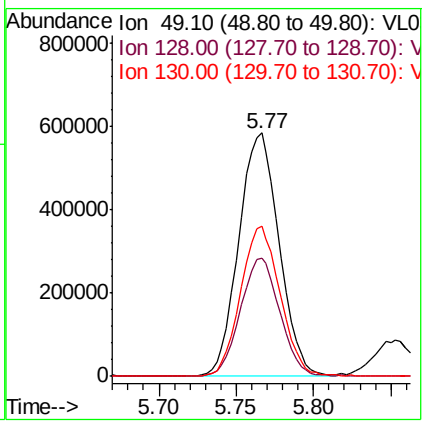


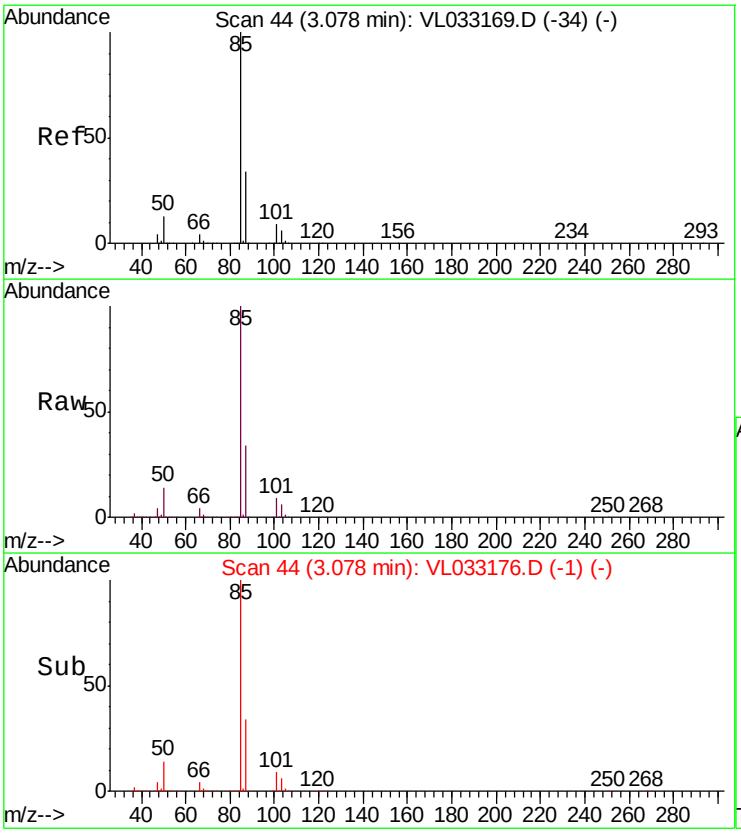
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion: 49 Resp: 1062983

Ion	Ratio	Lower	Upper
49	100		
128	47.6	23.6	71.0
130	60.8	30.3	91.0

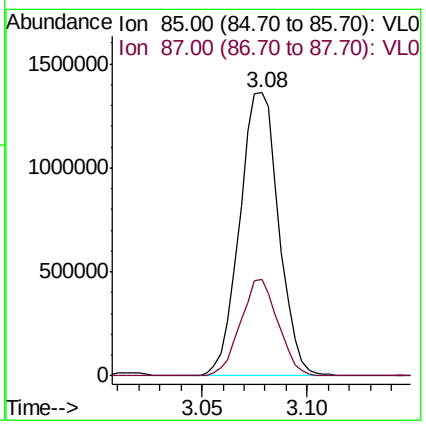


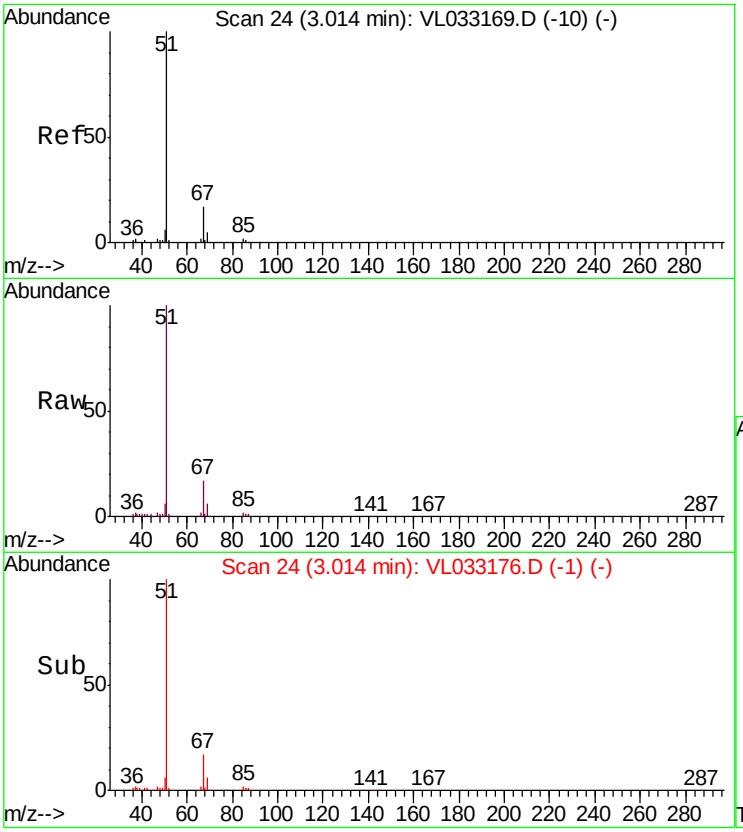


#2
Dichlorodifluoromethane
Concen: 8.617 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 85 Resp: 1751219

Ion	Ratio	Lower	Upper
85	100		
87	34.0	27.4	41.2



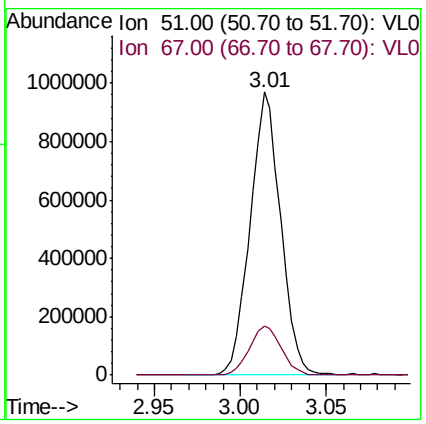


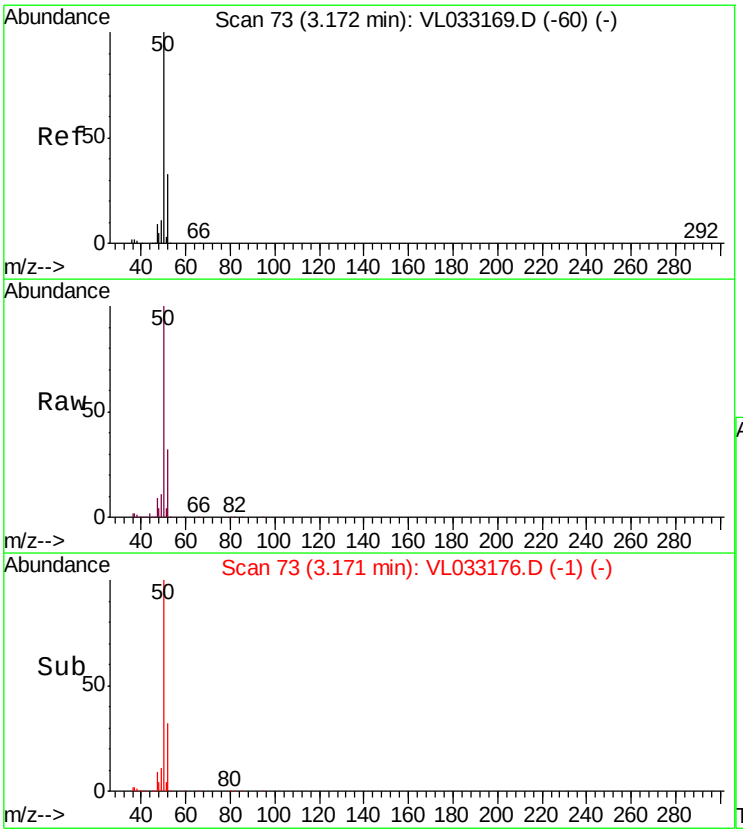
#3
Chlorodifluoromethane
Concen: 9.308 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion: 51 Resp: 1191409

Ion	Ratio	Lower	Upper
51	100		
67	18.2	14.0	21.0

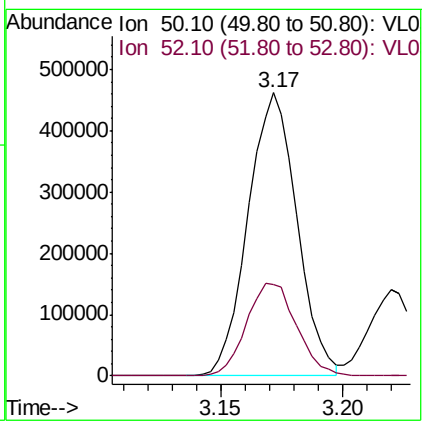


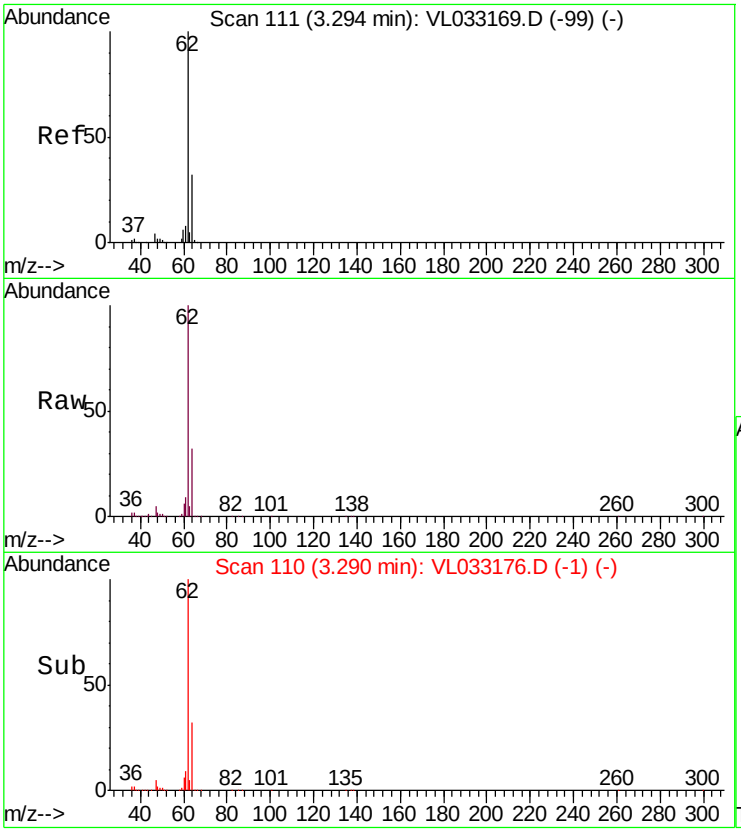


#4
Chloromethane
Concen: 9.486 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 50 Resp: 641086

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.5	39.7



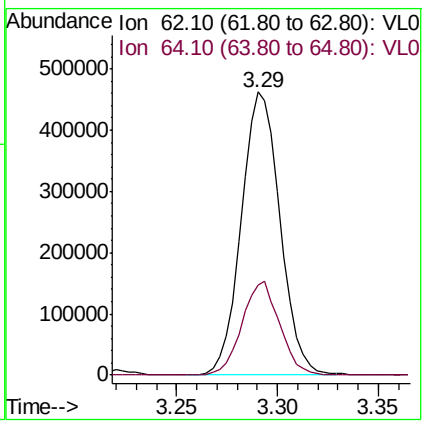


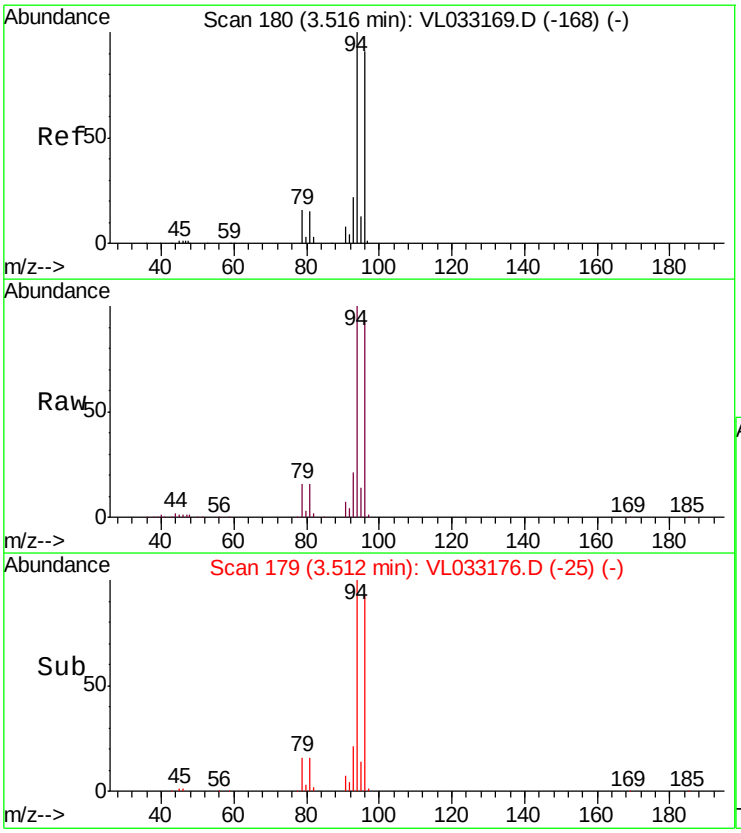
#5
Vinyl Chloride
Concen: 8.839 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 62 Resp: 623786

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.6	38.4

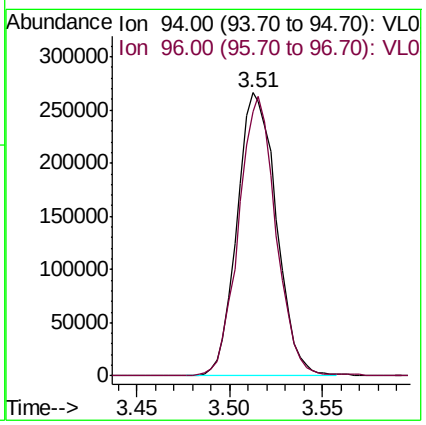


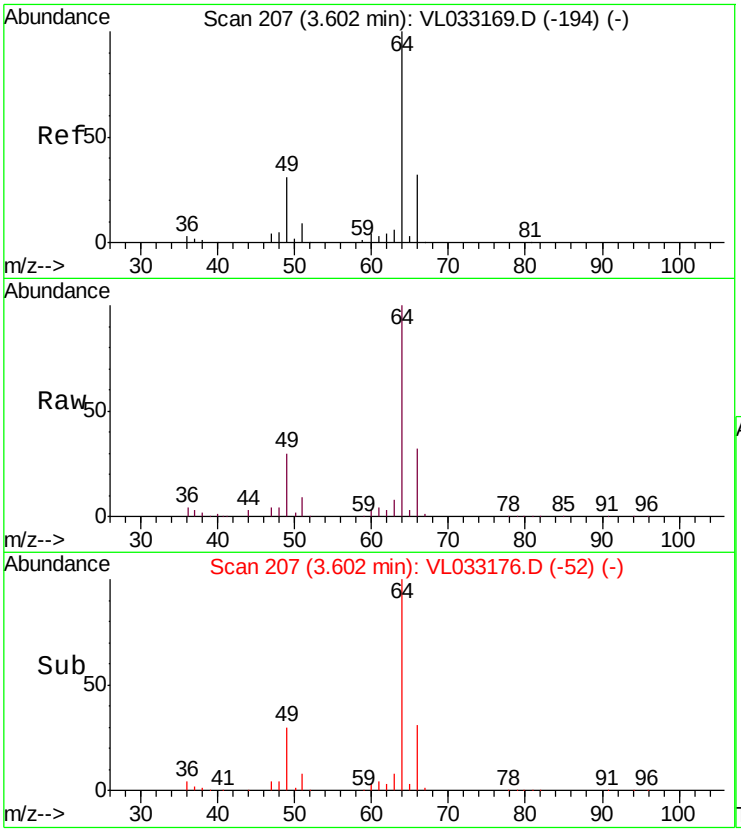


#6
Bromomethane
Concen: 10.116 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 94 Resp: 392353

Ion	Ratio	Lower	Upper
94	100		
96	93.2	73.2	109.8



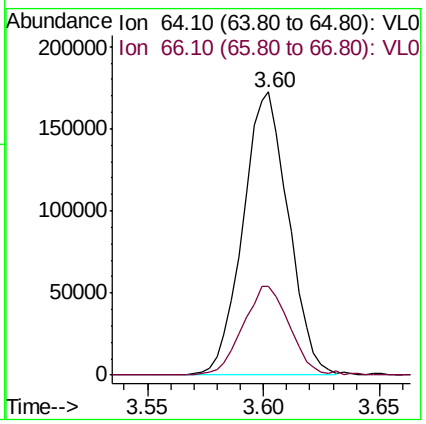


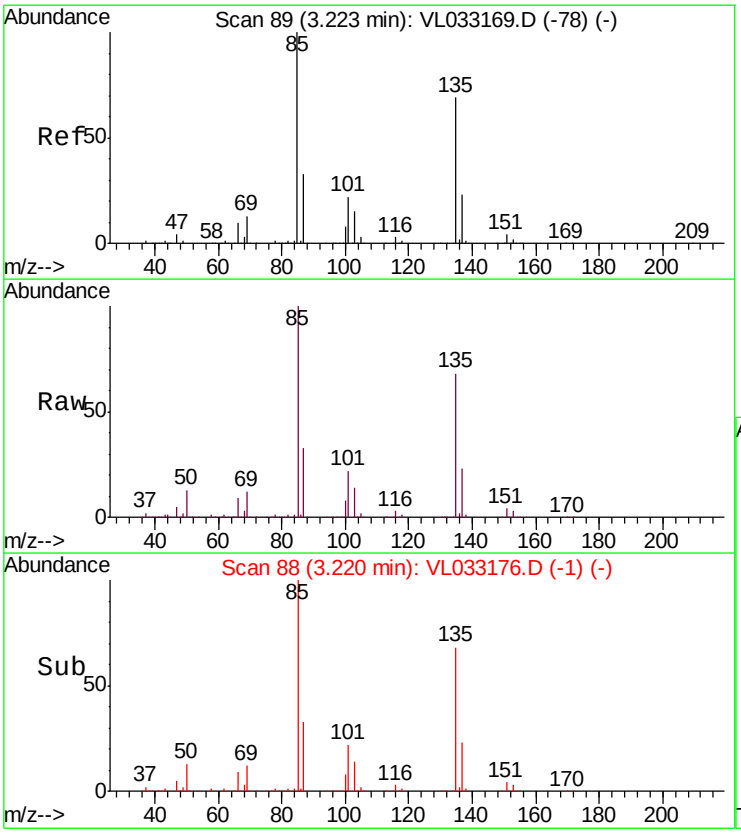
#7
Chloroethane
Concen: 10.165 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion: 64 Resp: 234516

Ion	Ratio	Lower	Upper
64	100		
66	31.5	26.0	39.0

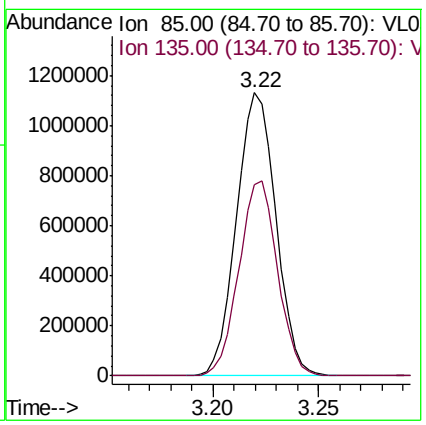


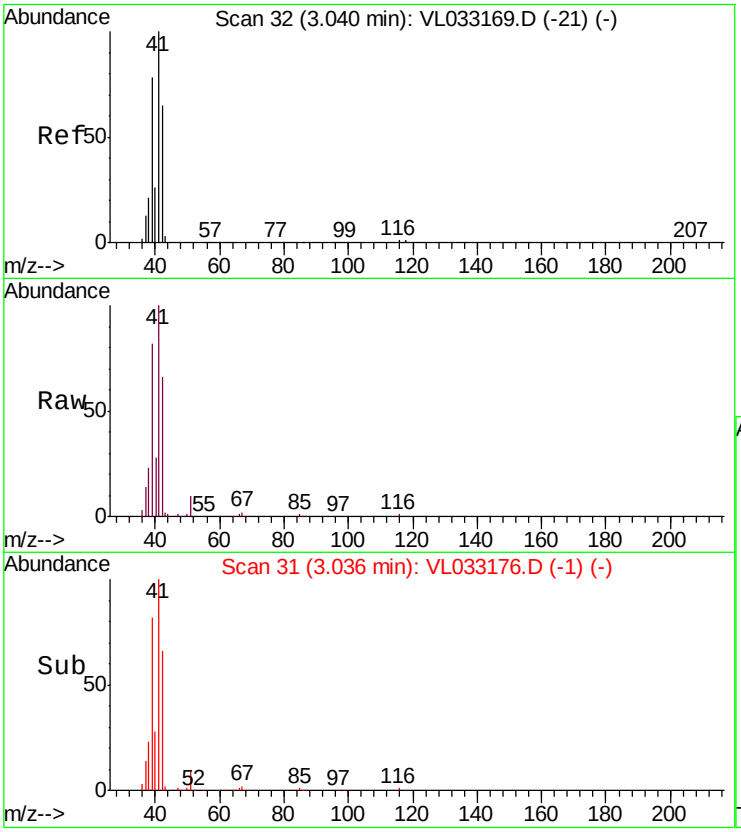


#8
Dichlorotetrafluoroethane
Concen: 9.230 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 85 Resp: 1467075

Ion	Ratio	Lower	Upper
85	100		
135	67.9	54.3	81.5



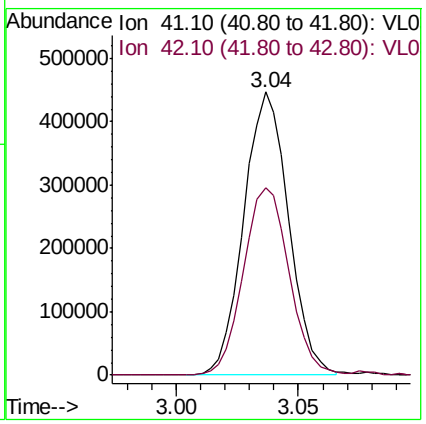


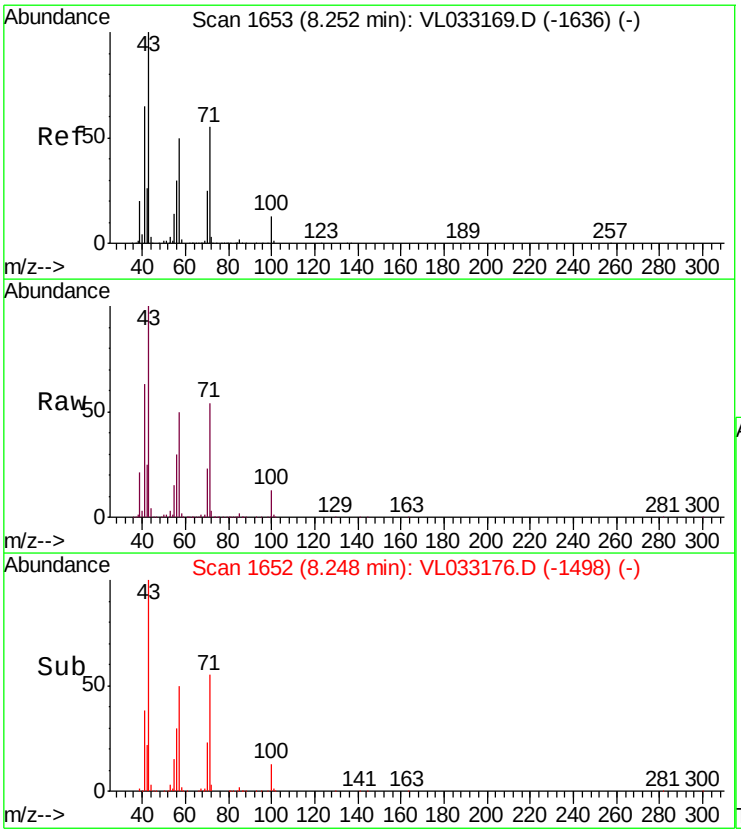
#9
Propene
Concen: 9.194 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion: 41 Resp: 568473

Ion	Ratio	Lower	Upper
41	100		
42	68.4	55.0	82.6

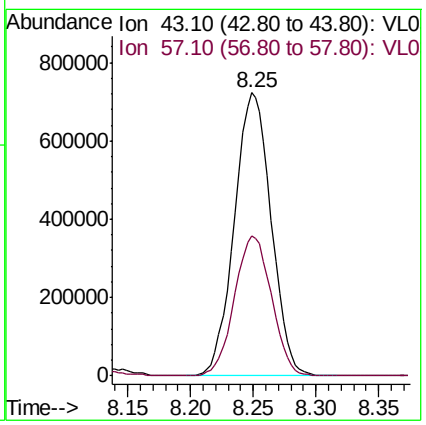


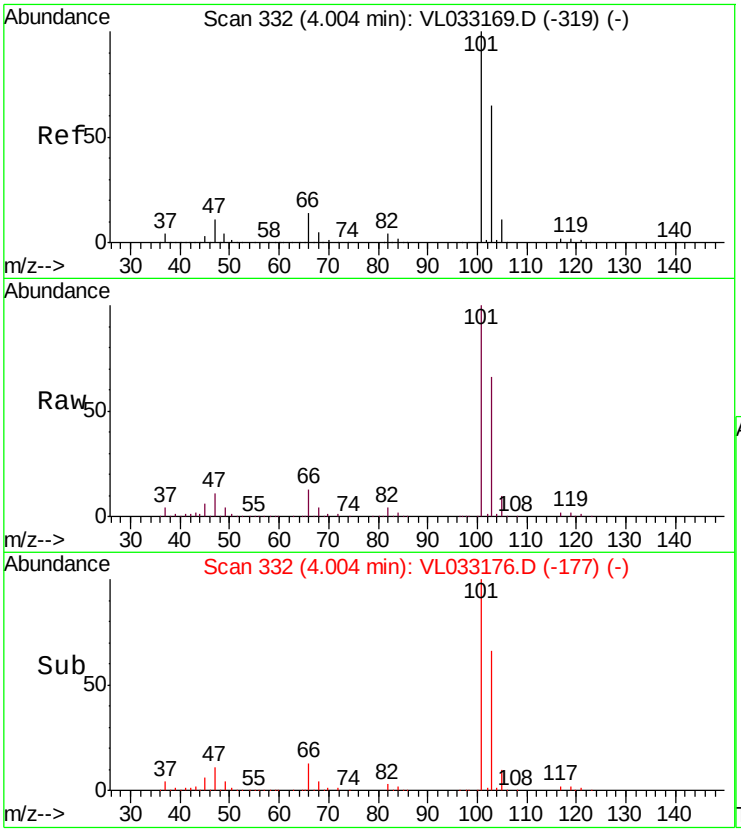


#10
Heptane
Concen: 7.848 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 43 Resp: 1468025

Ion	Ratio	Lower	Upper
43	100		
57	49.7	39.5	59.3



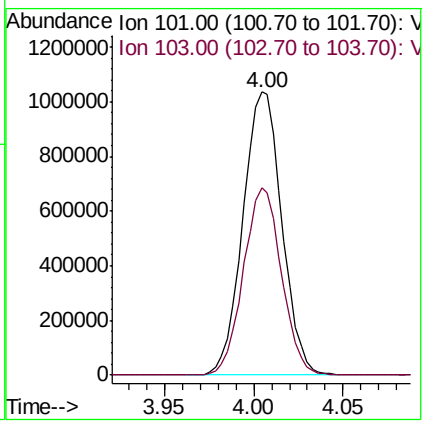


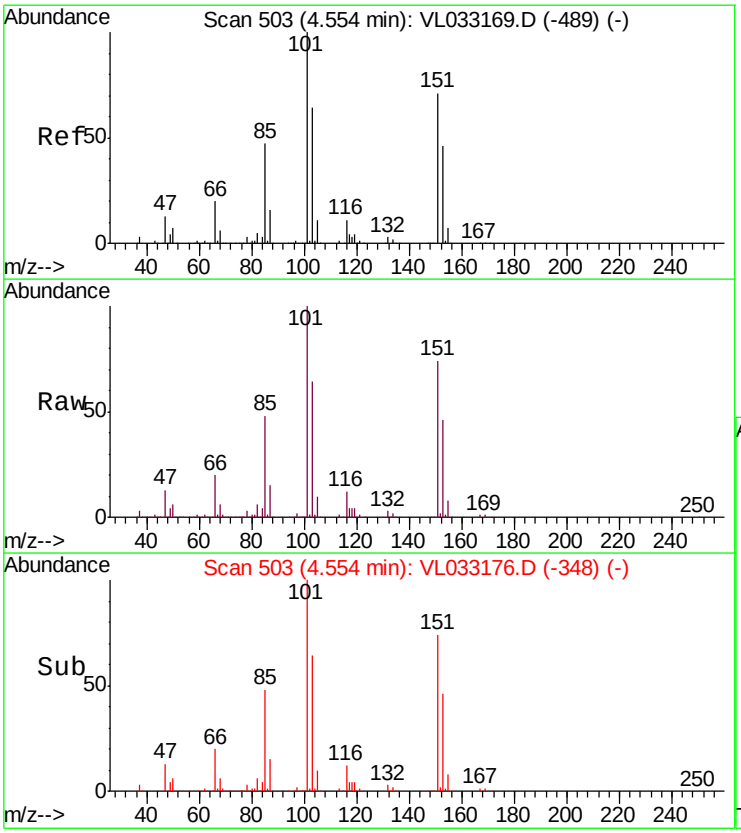
#11
Trichlorofluoromethane
Concen: 9.565 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion:101 Resp: 1573708

Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.7	77.5

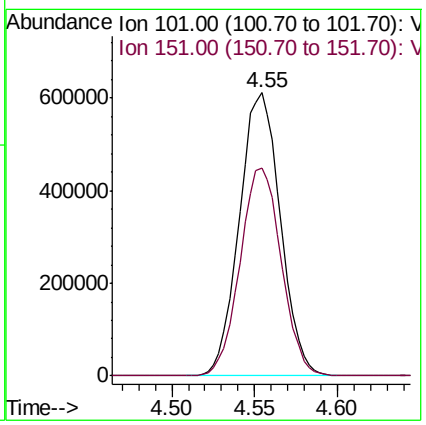


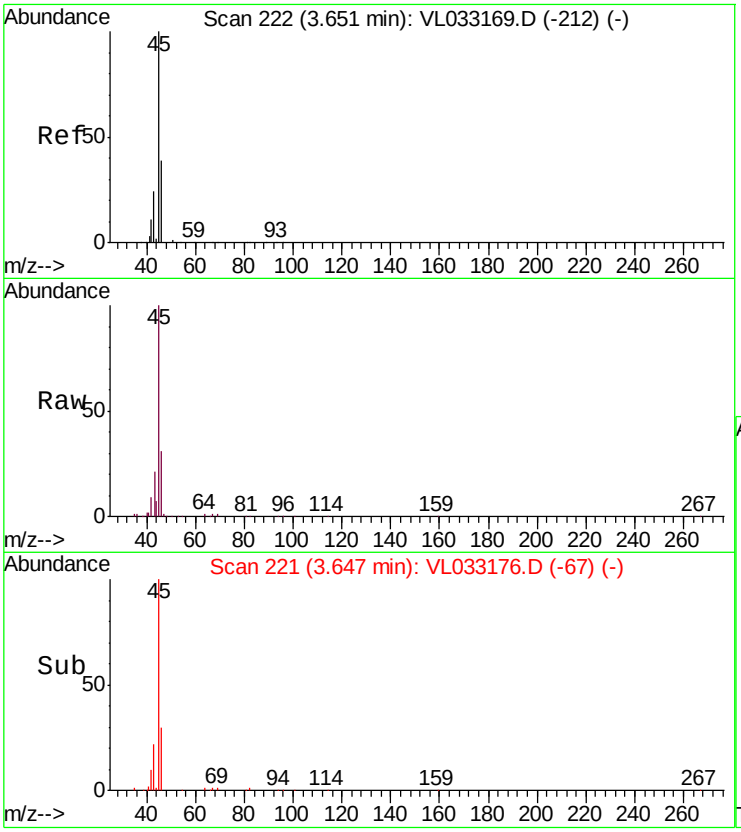


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.273 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:101 Resp: 1057429

Ion	Ratio	Lower	Upper
101	100		
151	73.7	57.4	86.0



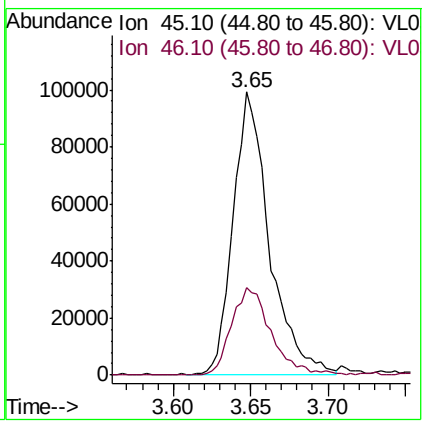


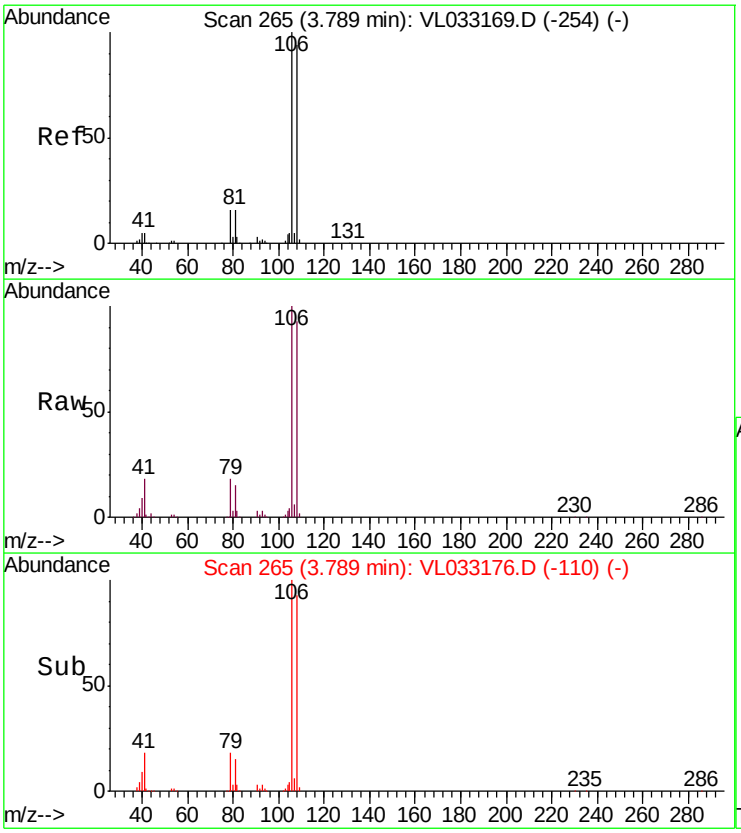
#13
Ethanol
Concen: 7.687 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 45 Resp: 161530

Ion	Ratio	Lower	Upper
45	100		
46	33.8	15.0	60.2

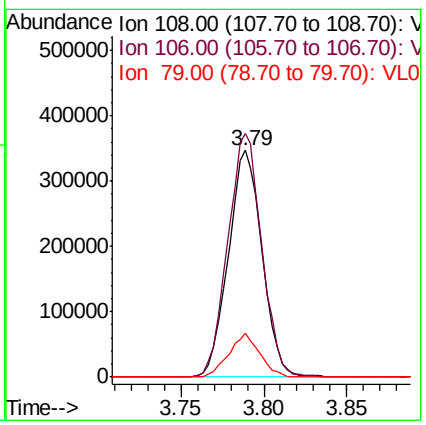


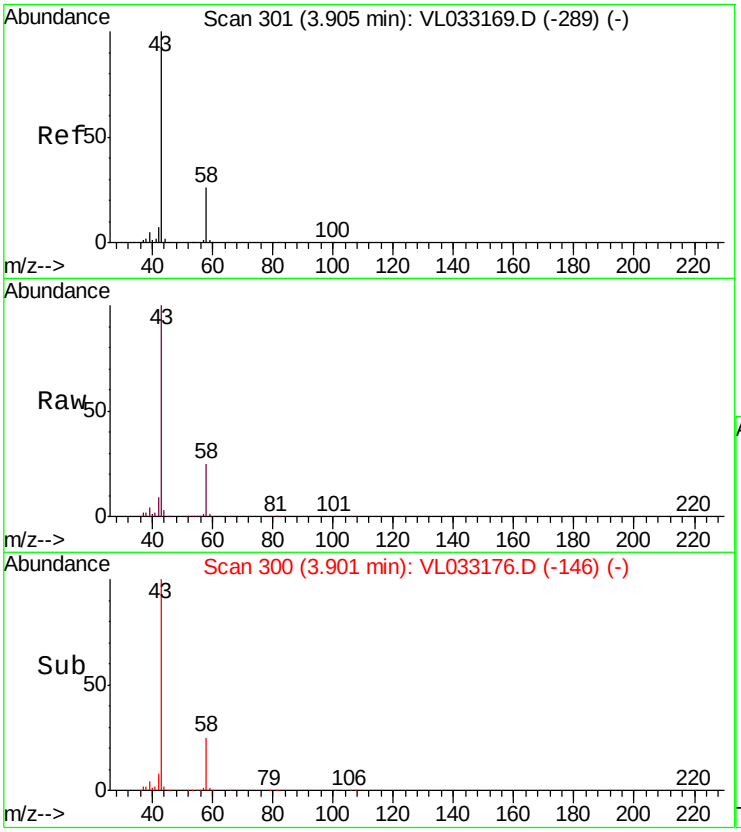


#14
Bromoethene
Concen: 9.972 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:108 Resp: 490293

Ion	Ratio	Lower	Upper
108	100		
106	108.2	86.0	129.0
79	17.8	14.5	21.7



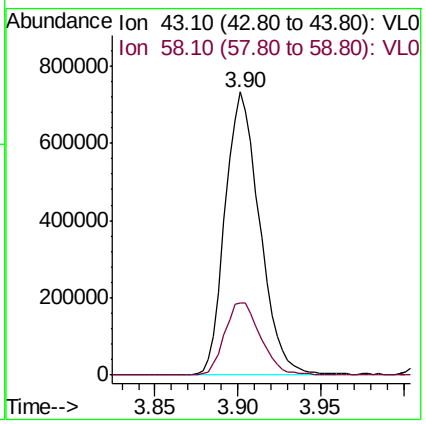


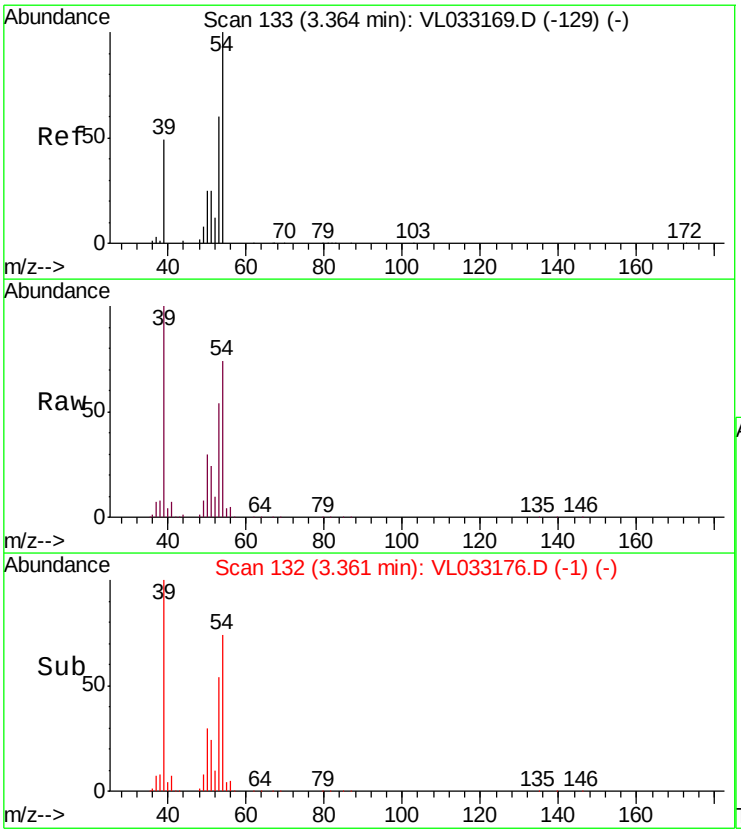
#15
Acetone
Concen: 8.895 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion: 43 Resp: 1065280

Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.1	31.7

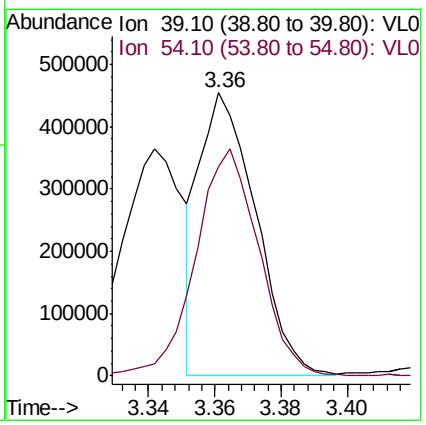


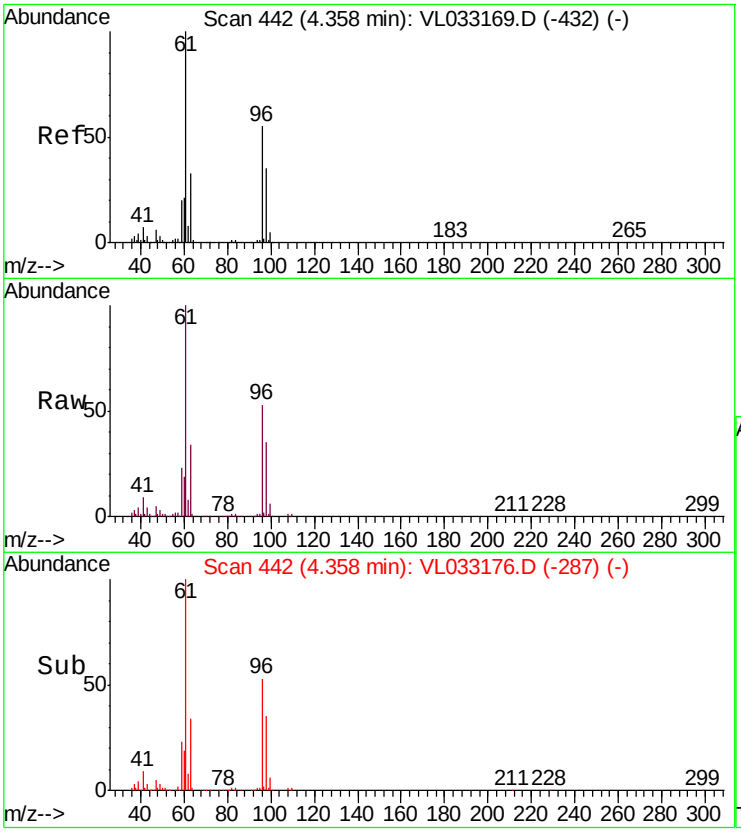


#16
1,3-Butadiene
Concen: 9.381 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 39 Resp: 533281

Ion	Ratio	Lower	Upper
39	100		
54	91.4	71.3	106.9



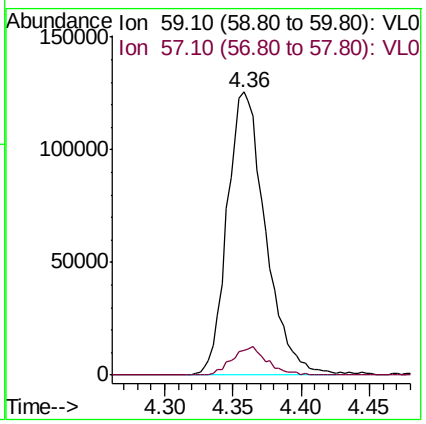


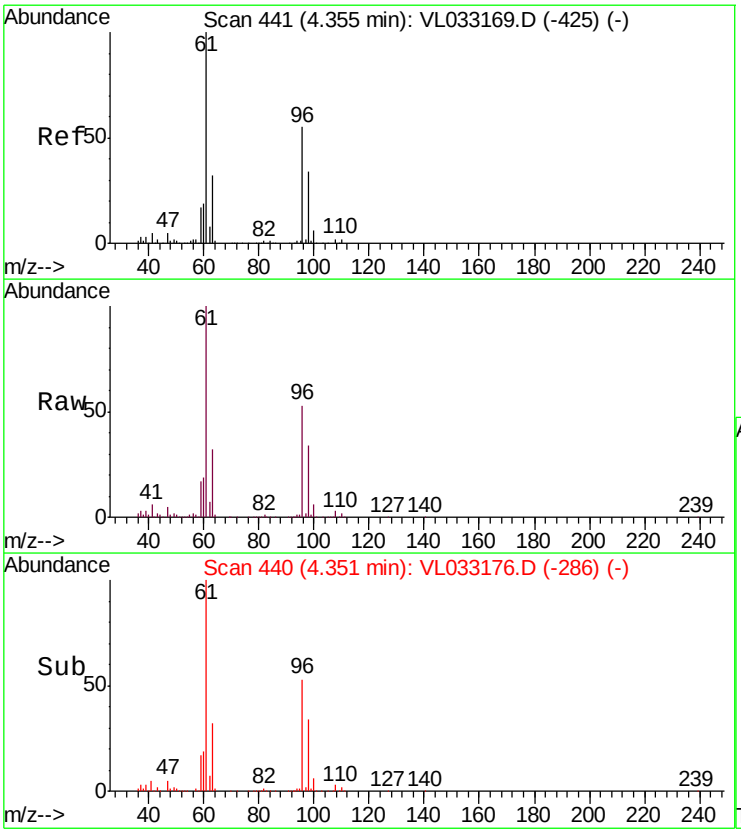
#17
tert-Butyl alcohol
Concen: 10.629 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion: 59 Resp: 244525

Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.6	11.4

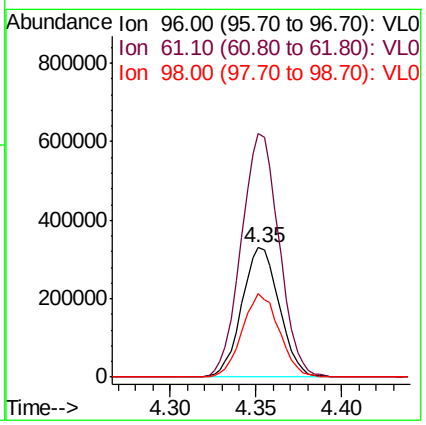


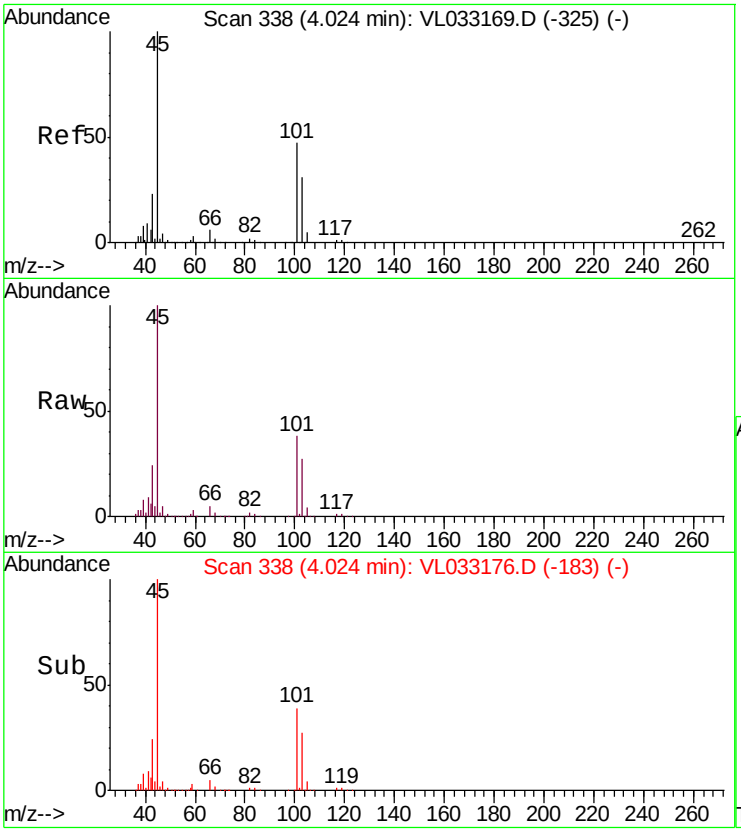


#18
1,1-Dichloroethene
Concen: 9.783 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 96 Resp: 499362

Ion	Ratio	Lower	Upper
96	100		
61	188.1	145.0	217.6
98	64.8	50.0	75.0



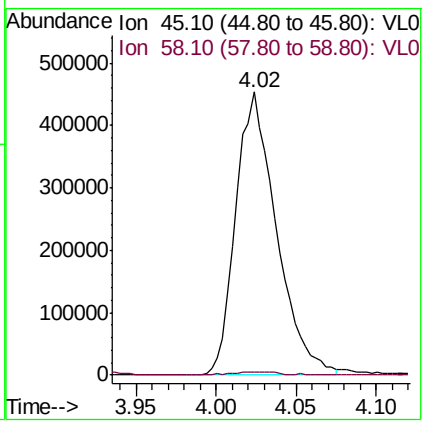


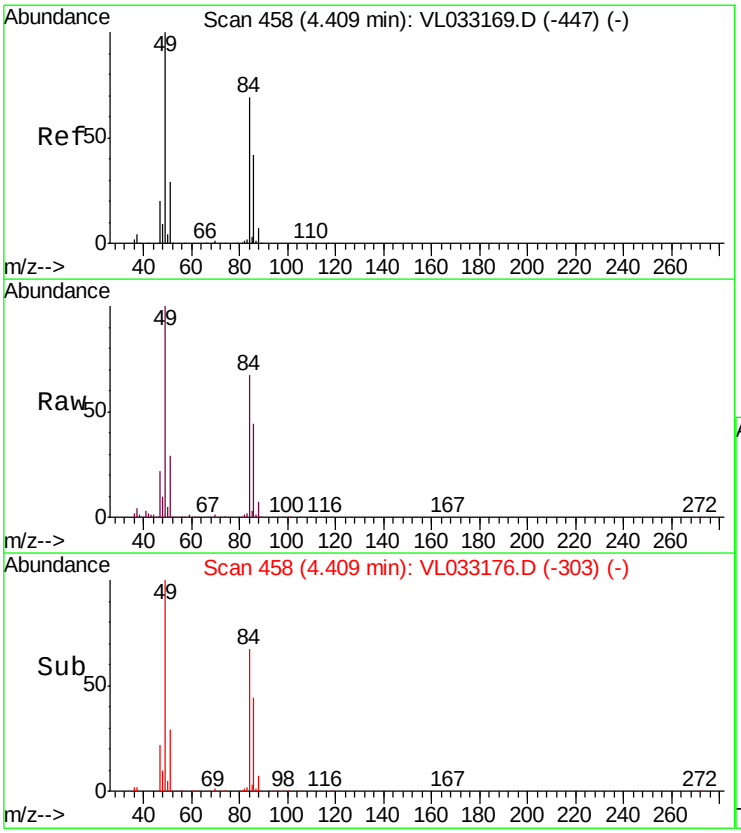
#19
Isopropyl Alcohol
Concen: 9.695 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 45 Resp: 787432

Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.5	2.3

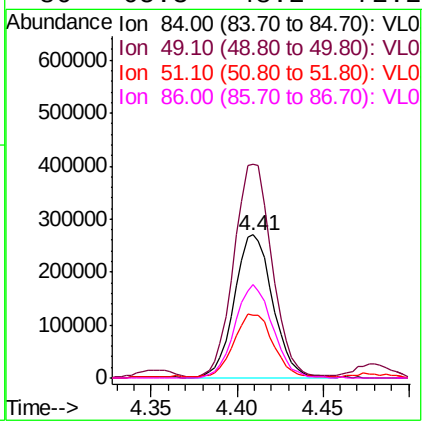


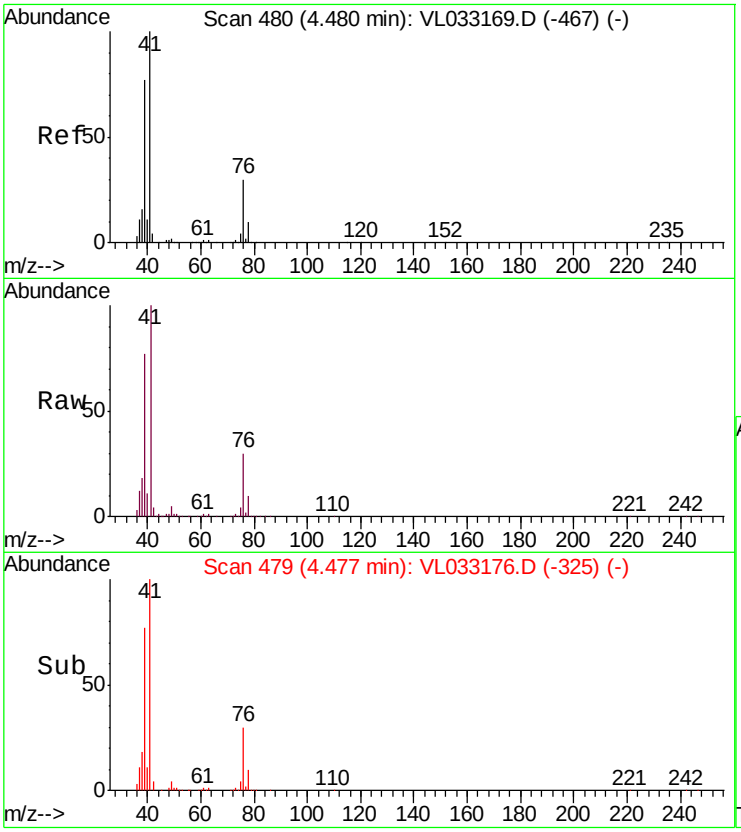


#20
Methylene Chloride
Concen: 8.765 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 84 Resp: 417548

Ion	Ratio	Lower	Upper
84	100		
49	148.7	115.8	173.8
51	43.1	33.0	49.6
86	65.3	48.2	72.2



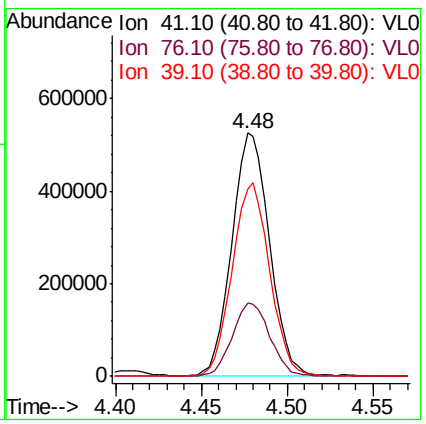


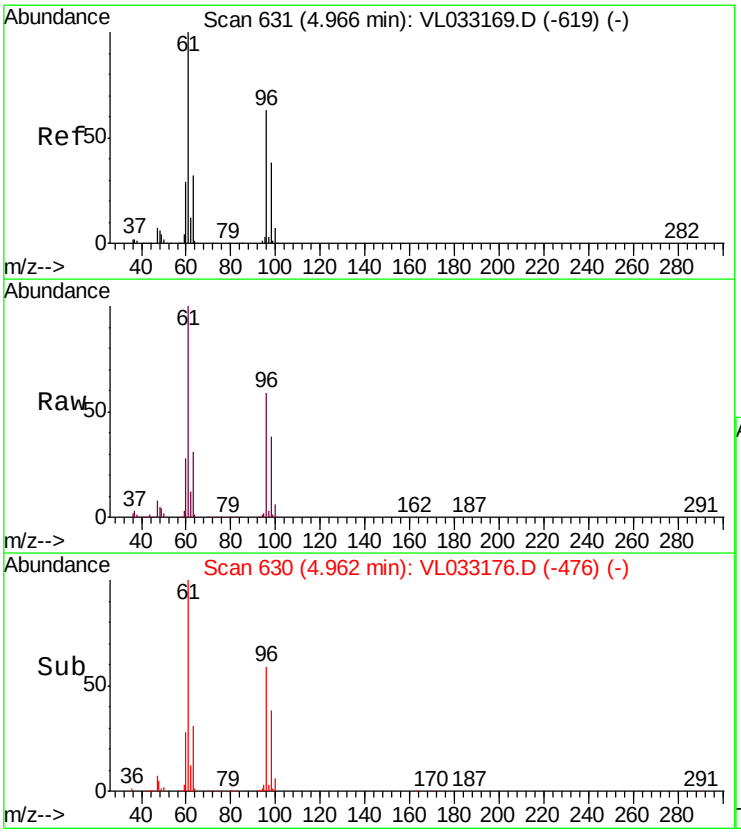
#21
Allyl Chloride
Concen: 10.037 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 41 Resp: 793724

Ion	Ratio	Lower	Upper
41	100		
76	30.4	24.5	36.7
39	79.7	64.1	96.1

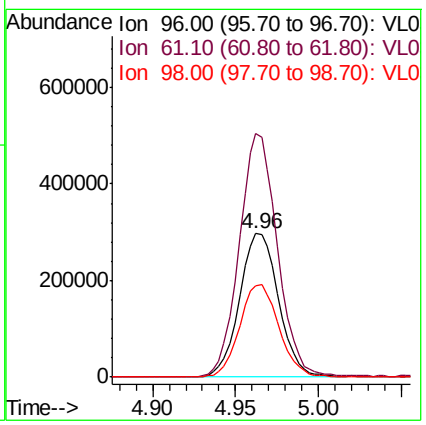


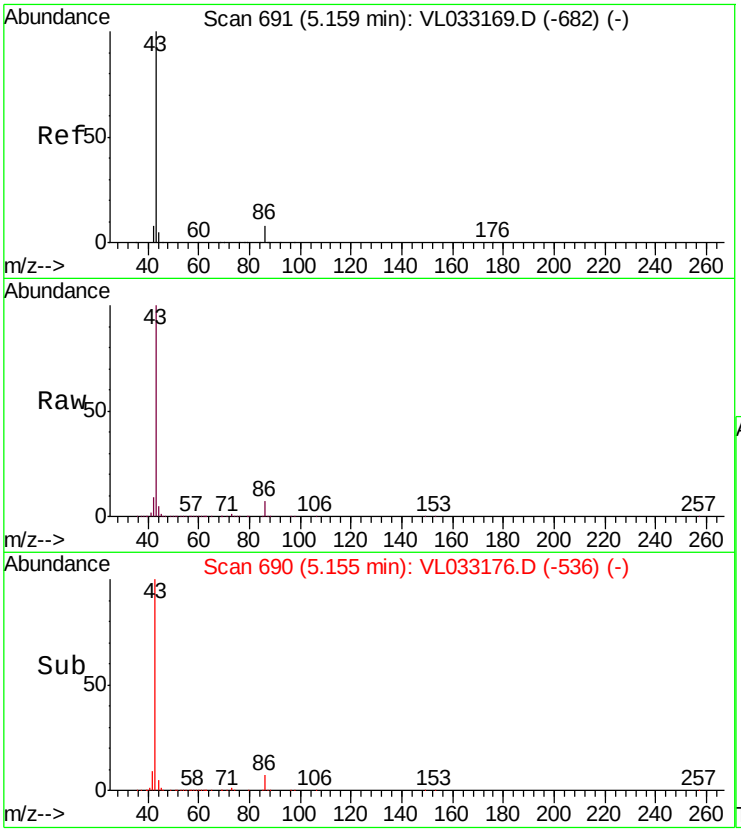


#22
trans-1,2-Dichloroethene
Concen: 9.813 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 96 Resp: 486434

Ion	Ratio	Lower	Upper
96	100		
61	169.3	126.4	189.6
98	63.6	48.4	72.6



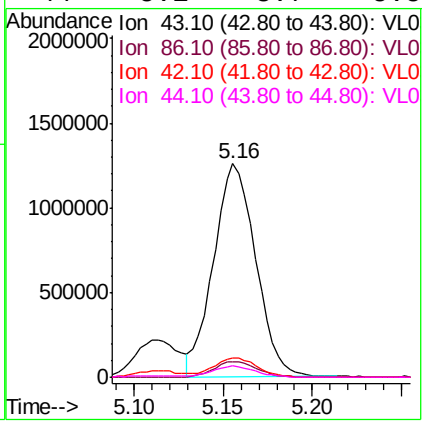


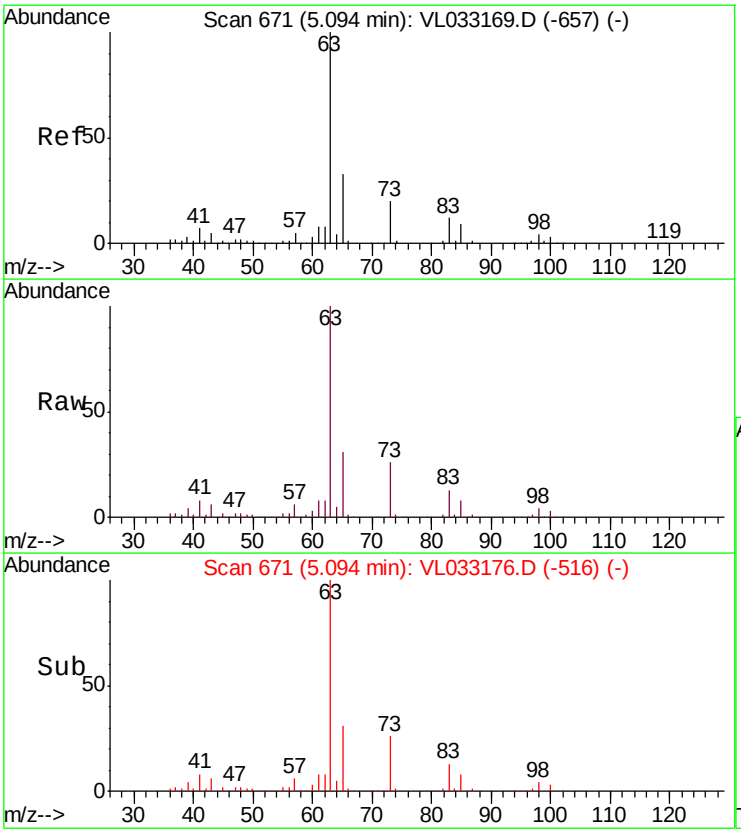
#23
Vinyl Acetate
Concen: 9.918 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 43 Resp: 2058666

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	8.9	7.4	11.0
44	5.1	3.7	5.5

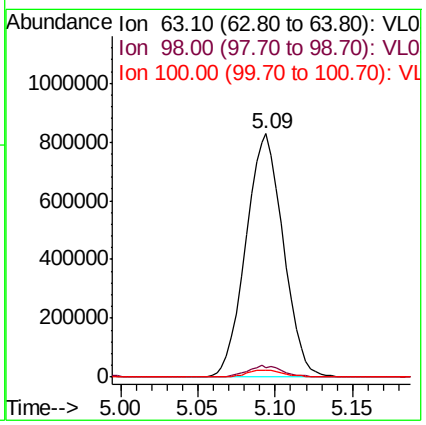


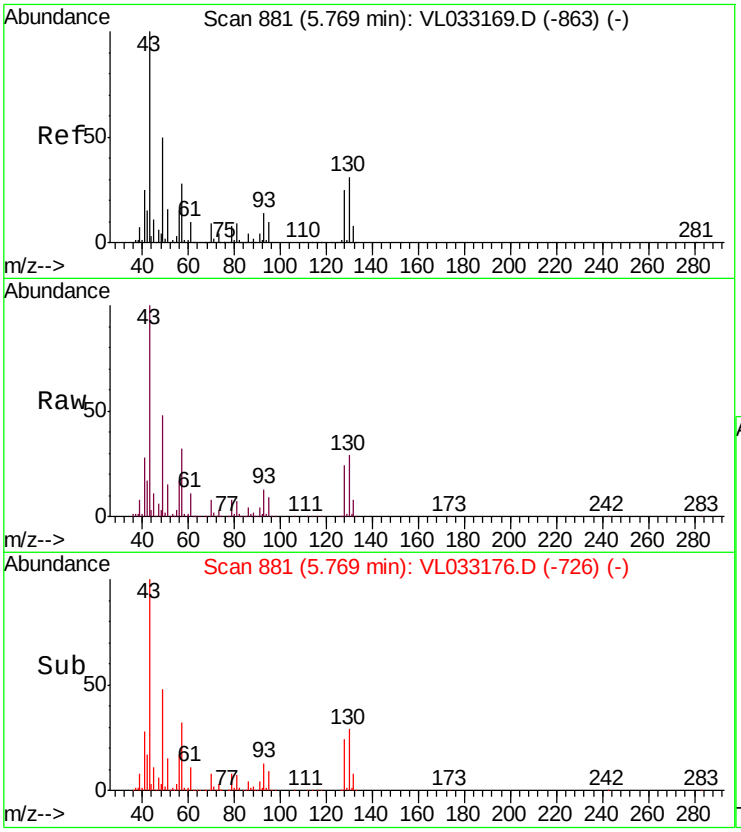


#24
1,1-Dichloroethane
Concen: 9.518 ppbv
RT: 5.09 min Scan# 671
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 63 Resp: 1397346

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.5
100	2.6	1.4	4.2



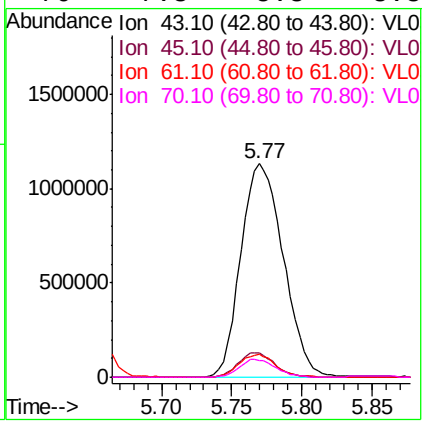


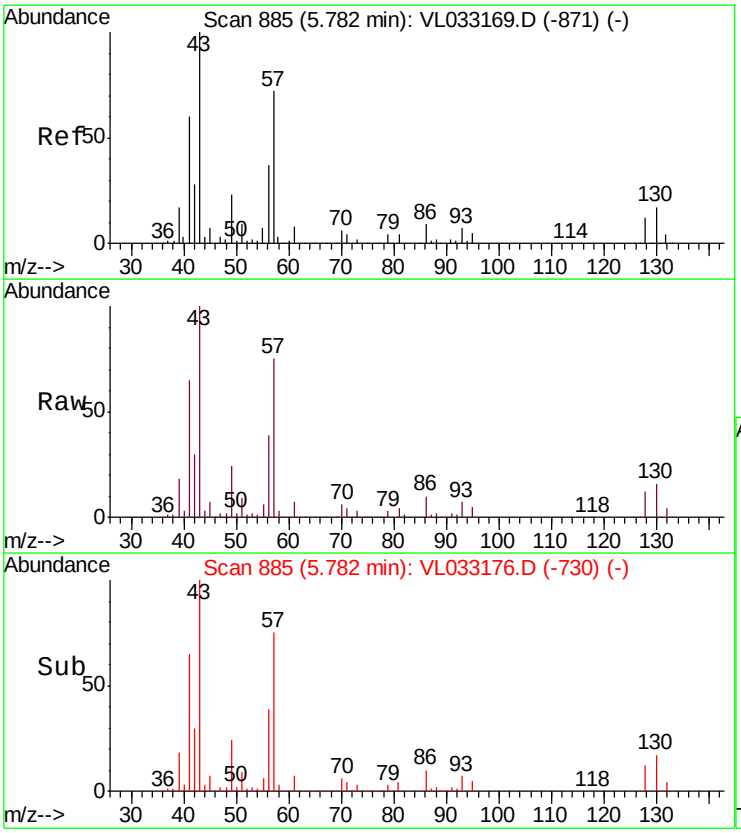
#25
Ethyl Acetate
Concen: 8.850 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 43 Resp: 2382935

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.5	7.5	11.3
70	7.3	5.8	8.8

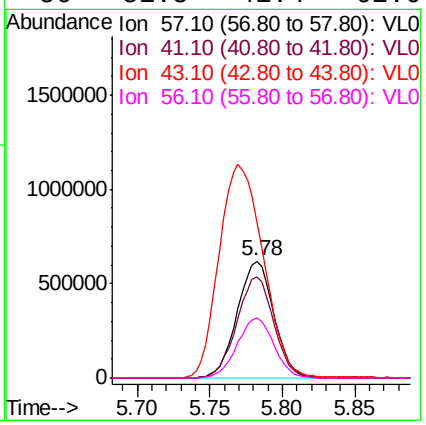


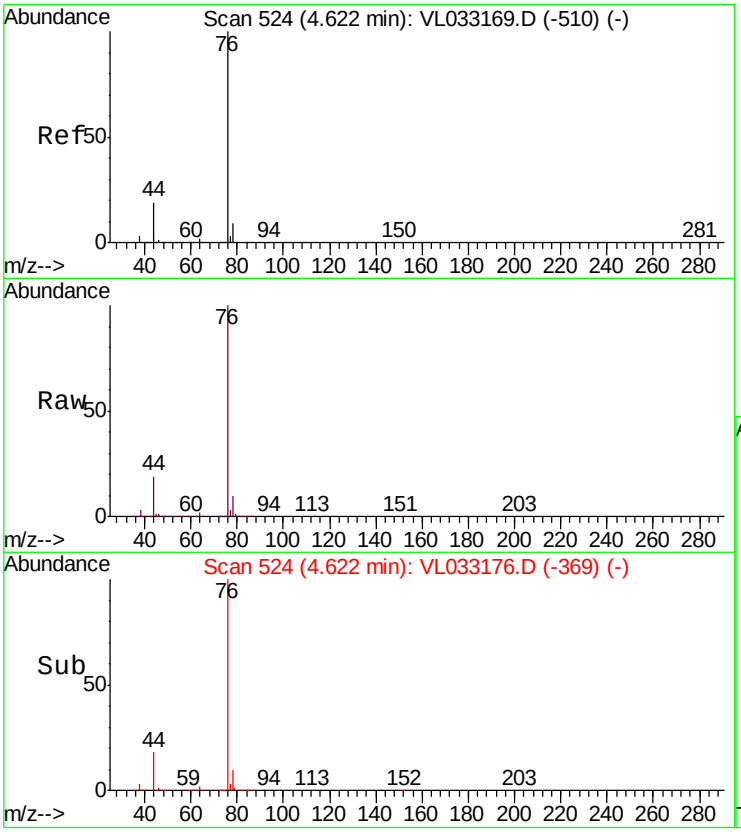


#26
Hexane
Concen: 8.592 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 57 Resp: 1086073

Ion	Ratio	Lower	Upper
57	100		
41	87.3	69.4	104.2
43	220.8	176.7	265.1
56	51.5	41.4	62.0



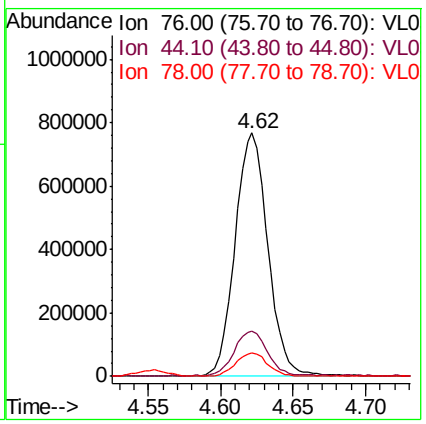


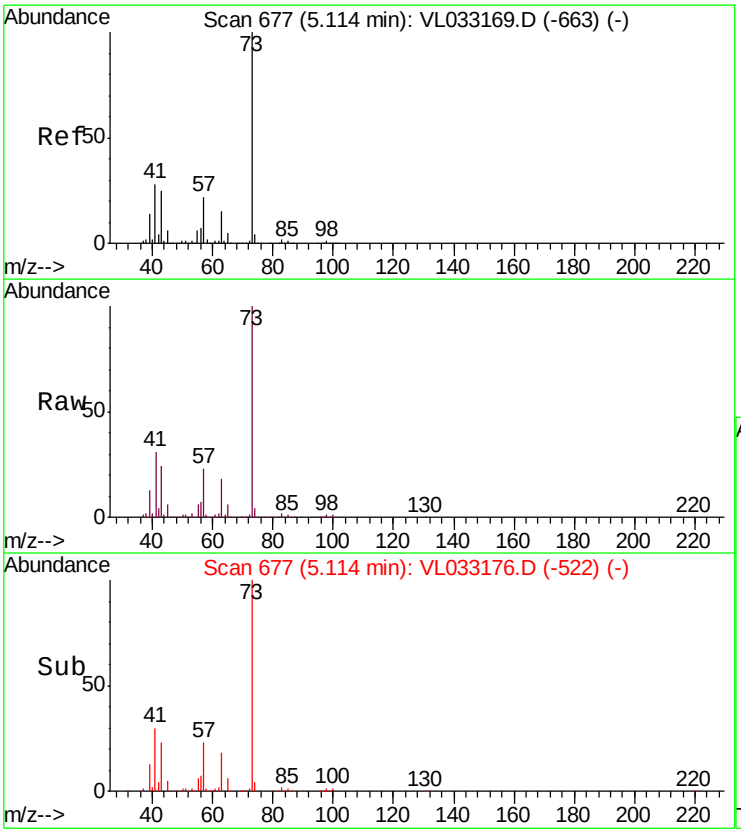
#27
Carbon Disulfide
Concen: 10.406 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 76 Resp: 1204996

Ion	Ratio	Lower	Upper
76	100		
44	19.2	15.0	22.4
78	9.4	7.4	11.0

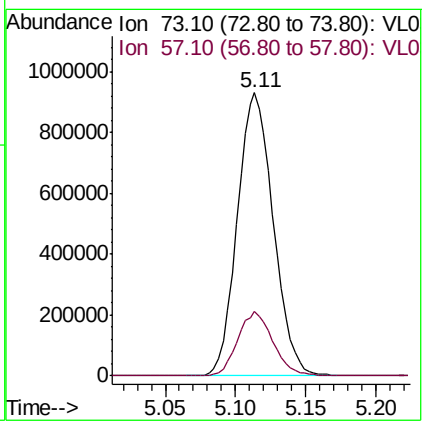


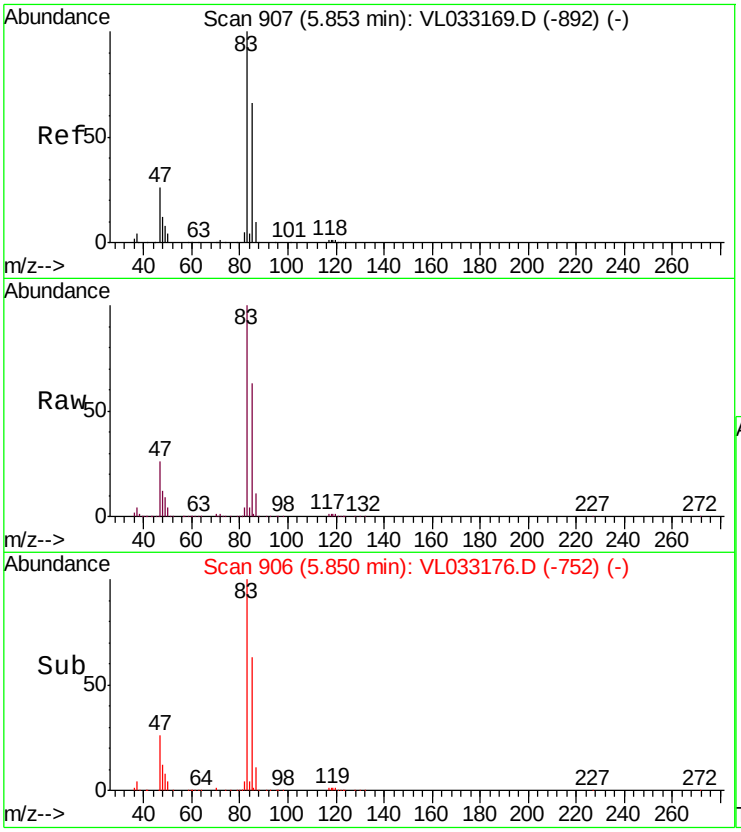


#28
Methyl tert-Butyl Ether
Concen: 9.628 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 73 Resp: 1663051

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9



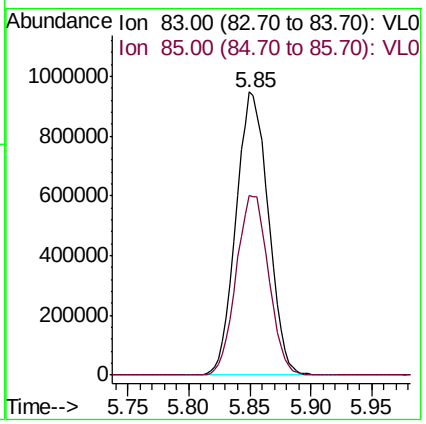


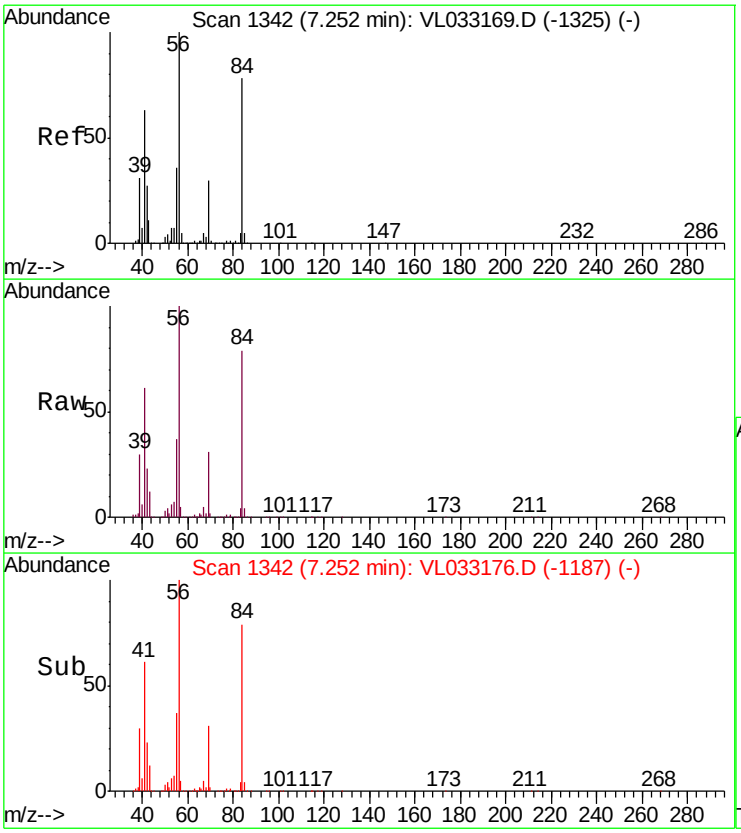
#29
Chloroform
Concen: 8.943 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion: 83 Resp: 1732326

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.6	78.8

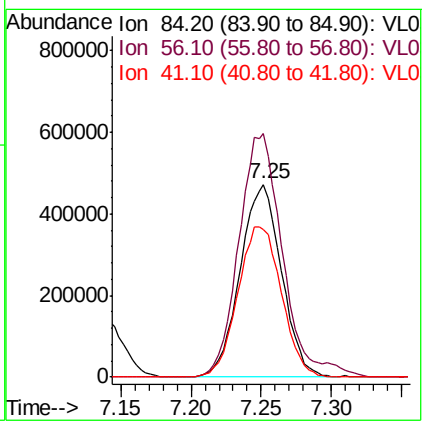


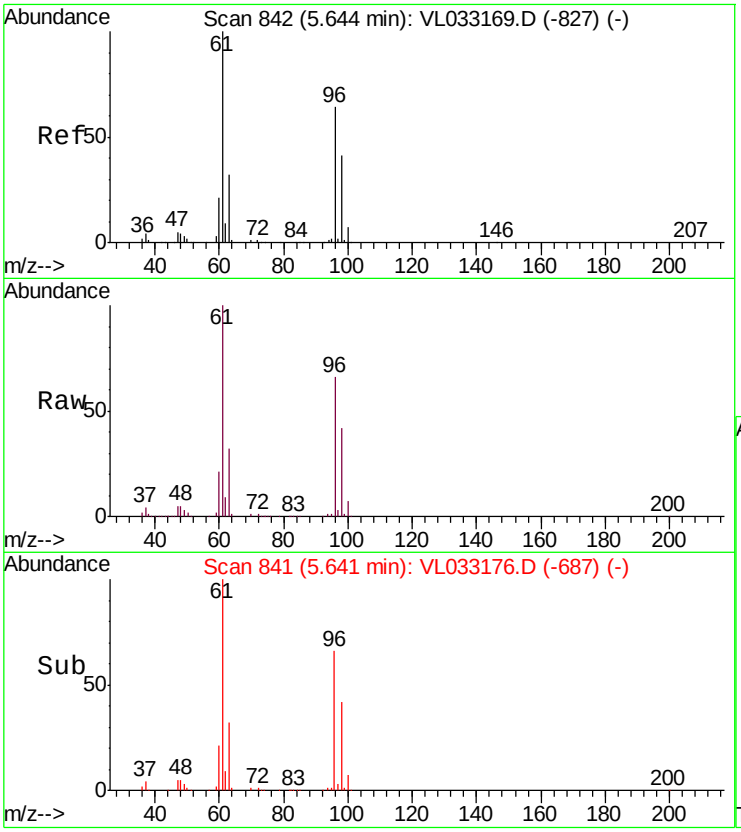


#30
Cyclohexane
Concen: 8.217 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 84 Resp: 963758

Ion	Ratio	Lower	Upper
84	100		
56	135.2	109.5	164.3
41	82.6	66.6	100.0



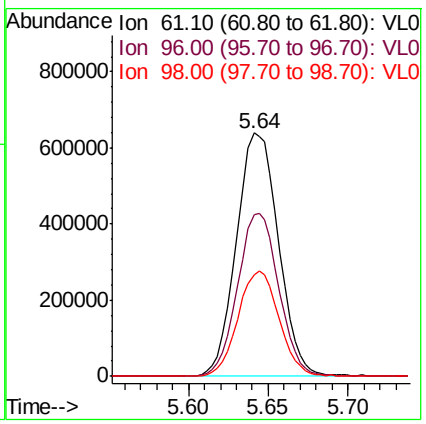


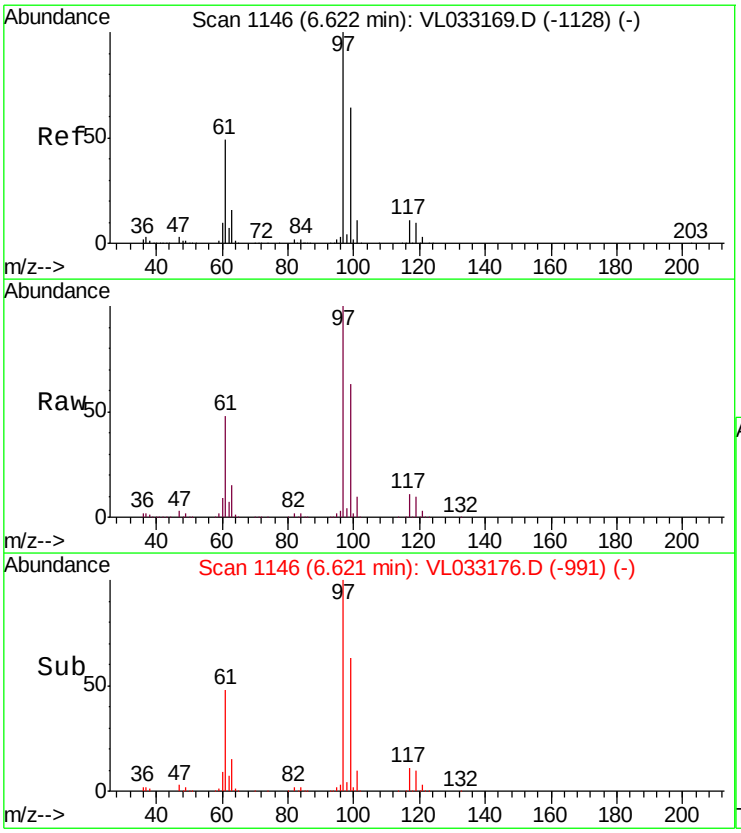
#31
cis-1,2-Dichloroethene
Concen: 9.050 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion: 61 Resp: 1144952

Ion	Ratio	Lower	Upper
61	100		
96	66.2	51.2	76.8
98	41.8	32.8	49.2

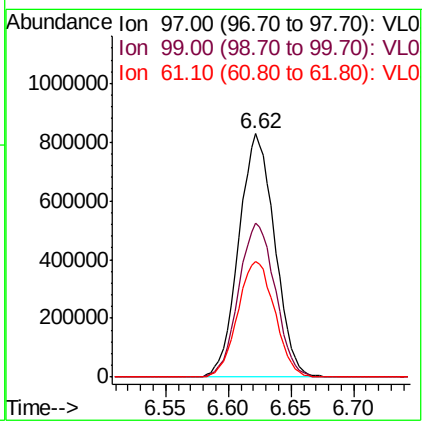


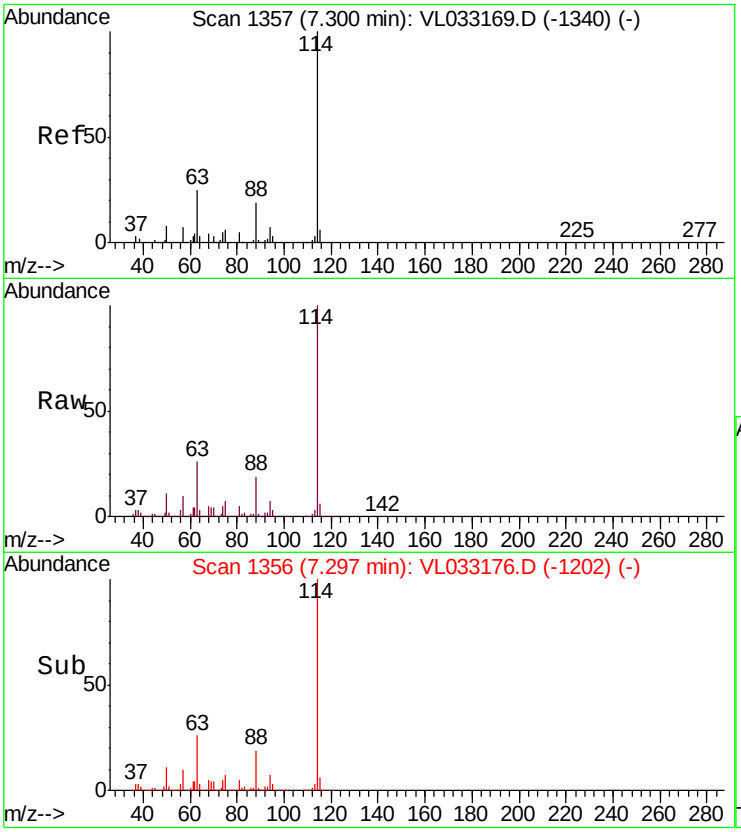


#32
1,1,1-Trichloroethane
Concen: 7.748 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 97 Resp: 1652597

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	48.9	38.8	58.2



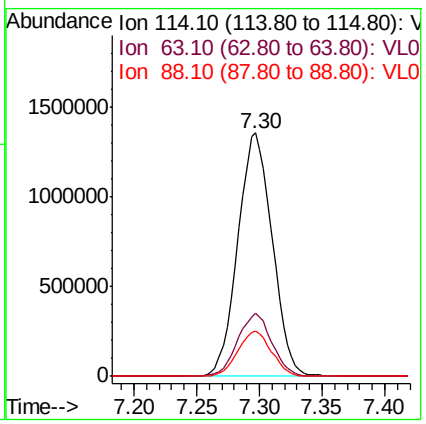


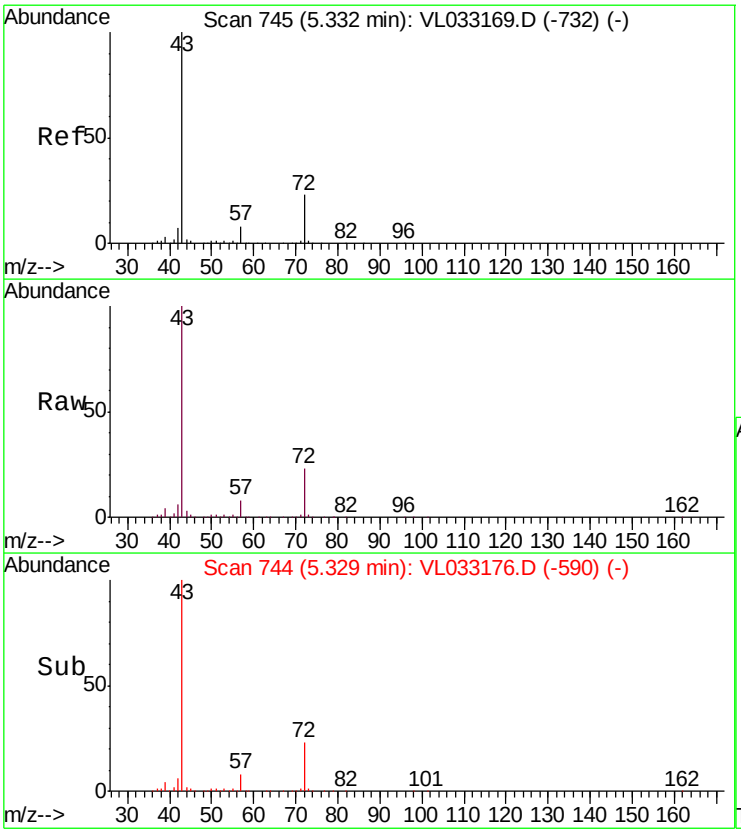
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion:114 Resp: 2588802

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.8	31.2
88	18.3	14.6	22.0

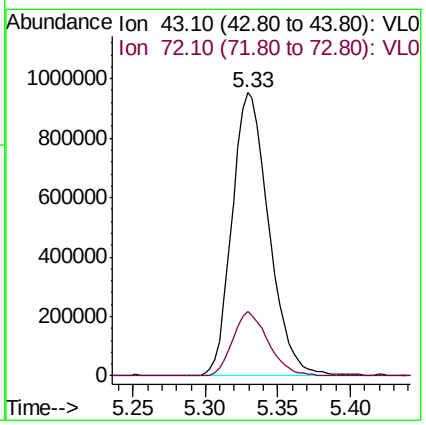


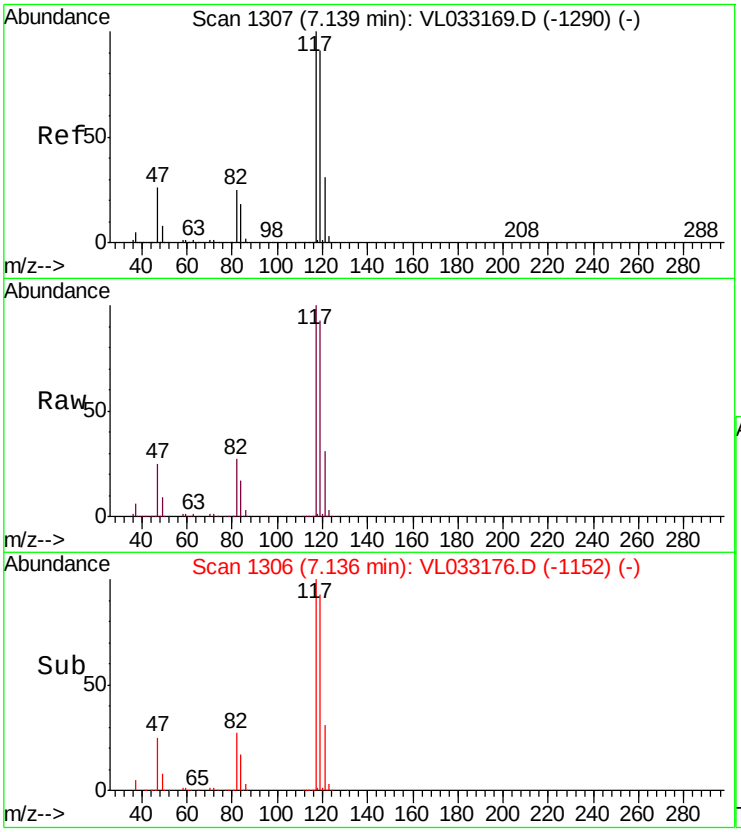


#34
2-Butanone
Concen: 10.172 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 43 Resp: 1670375

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.8	26.6



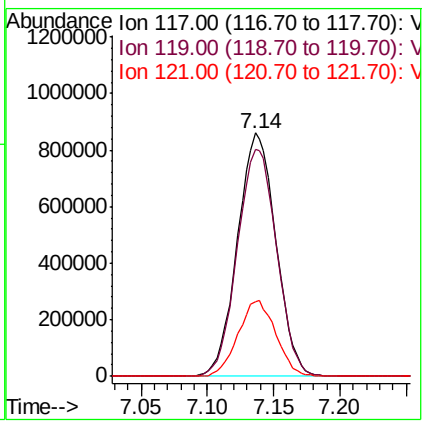


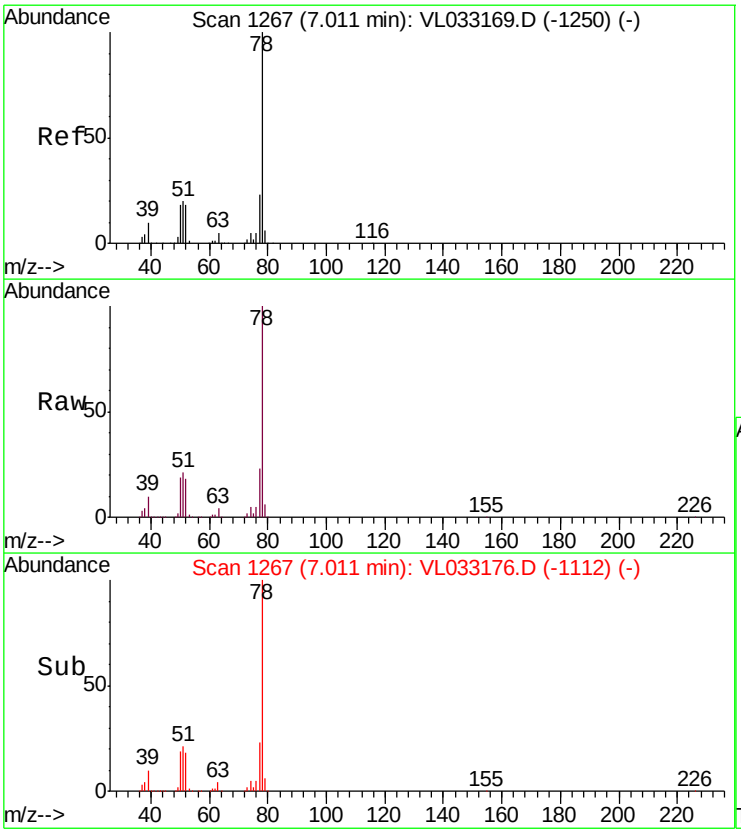
#35
Carbon Tetrachloride
Concen: 8.794 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion:117 Resp: 1738635

Ion	Ratio	Lower	Upper
117	100		
119	93.1	73.0	109.6
121	30.8	25.1	37.7

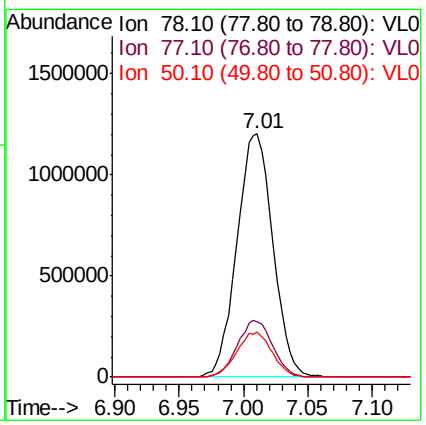


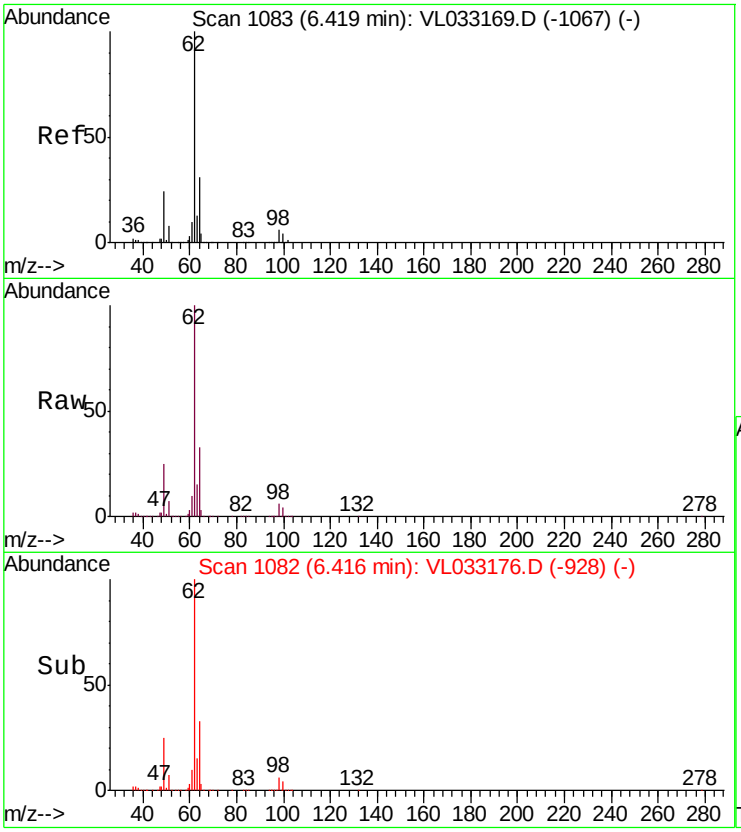


#36
Benzene
Concen: 8.883 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 78 Resp: 2330658

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.0	27.0
50	18.6	14.2	21.2



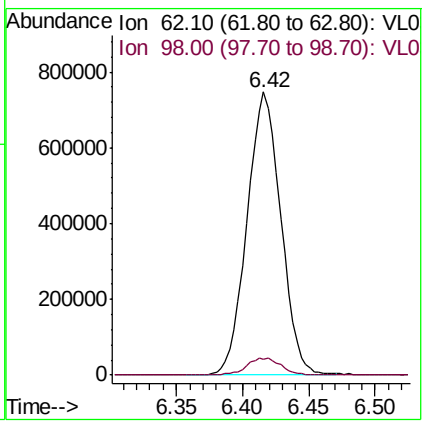


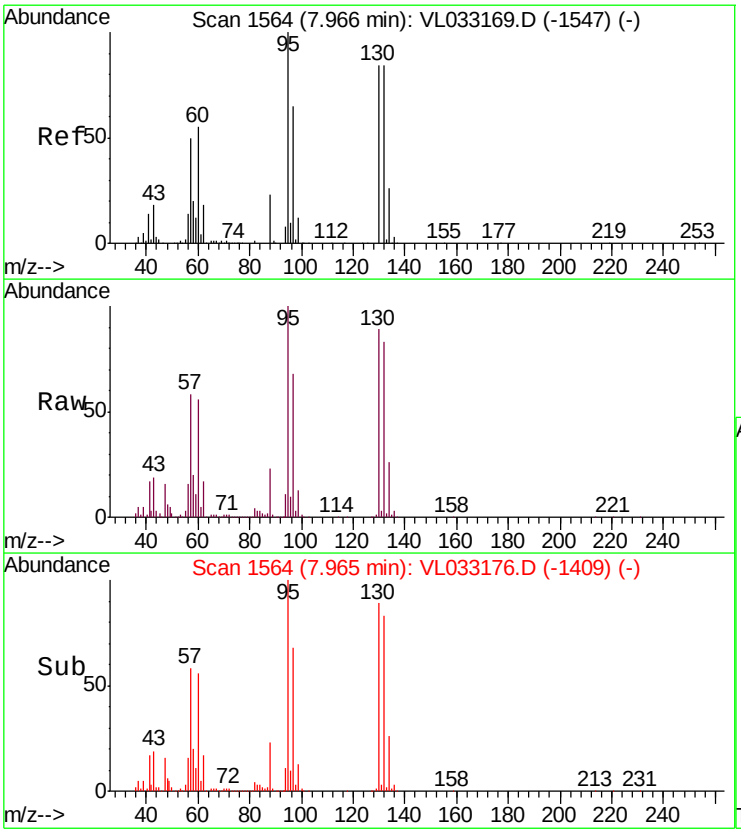
#37
1,2-Dichloroethane
Concen: 9.132 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 62 Resp: 1327815

Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.7	7.1

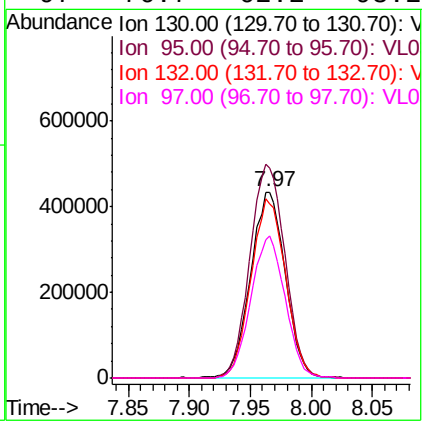


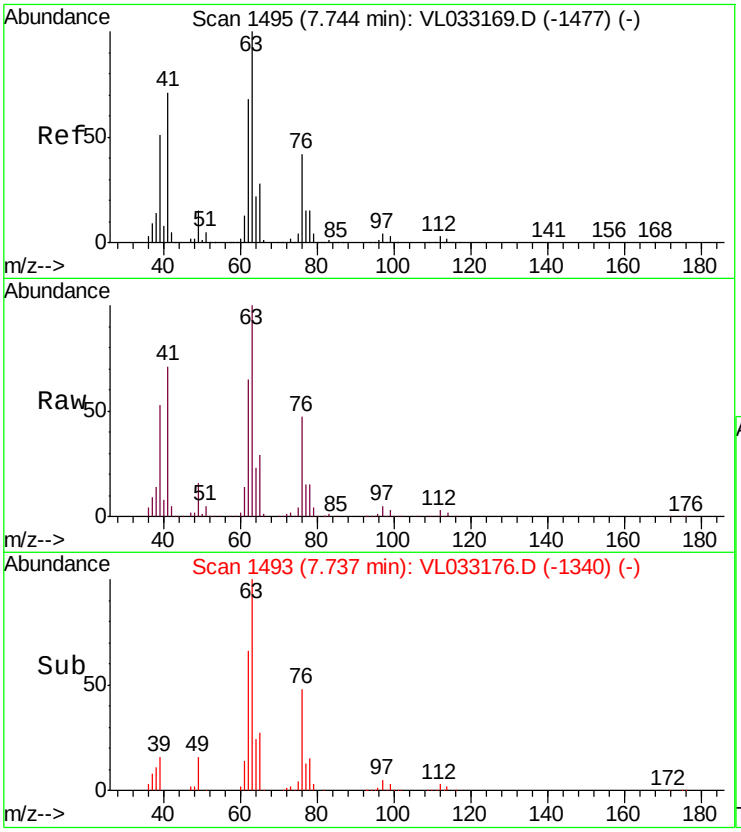


#38
Trichloroethene
Concen: 7.587 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:130 Resp: 850665

Ion	Ratio	Lower	Upper
130	100		
95	112.6	95.5	143.3
132	93.3	80.0	120.0
97	76.7	62.2	93.2



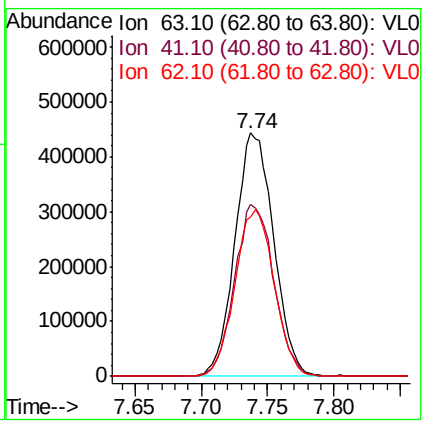


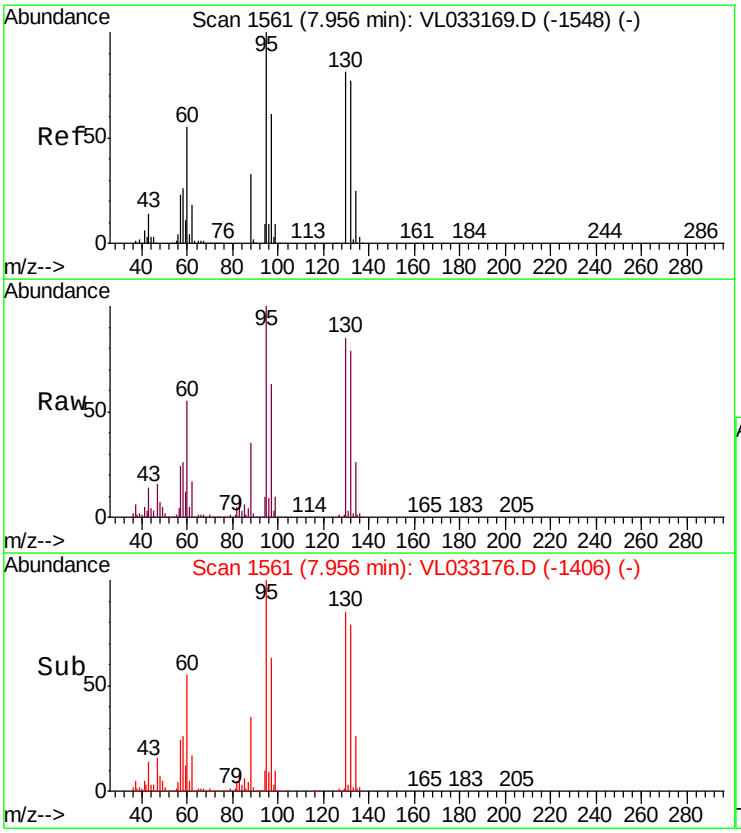
#39
1,2-Dichloropropane
Concen: 8.713 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 63 Resp: 902778

Ion	Ratio	Lower	Upper
63	100		
41	70.6	56.4	84.6
62	65.1	54.2	81.4

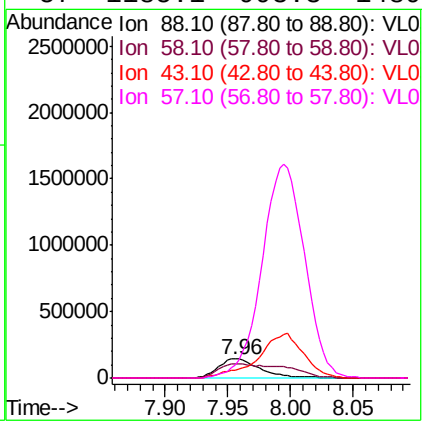


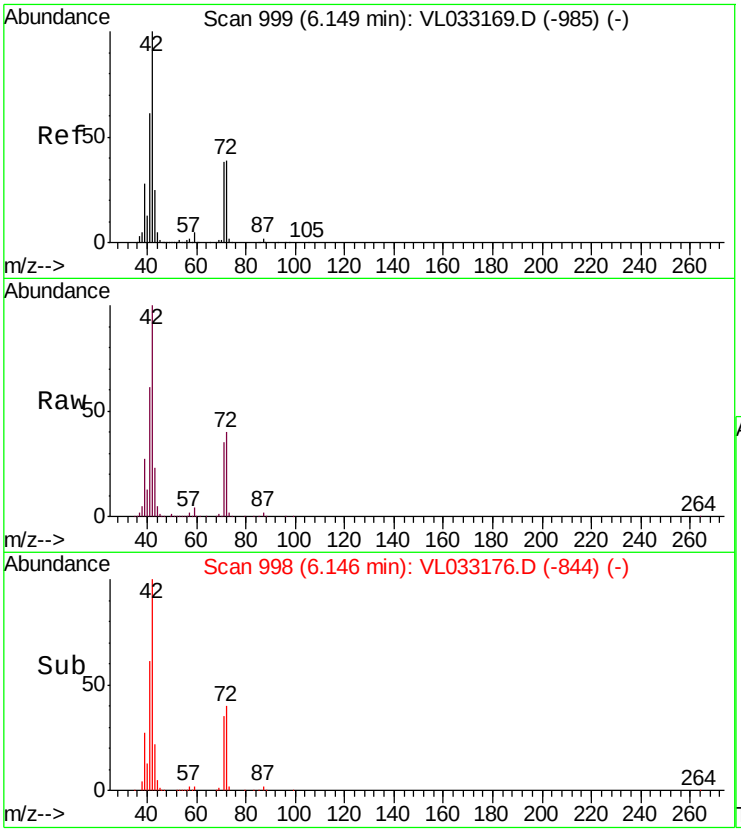


#40
1,4-Dioxane
Concen: 8.766 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 88 Resp: 322508

Ion	Ratio	Lower	Upper
88	100		
58	130.4	106.4	159.6
43	262.3	219.6	329.4
57	1185.1	993.3	1489.9



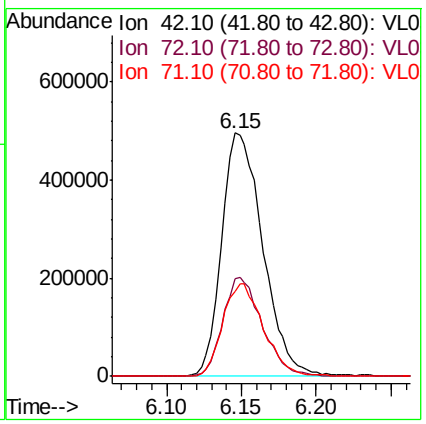


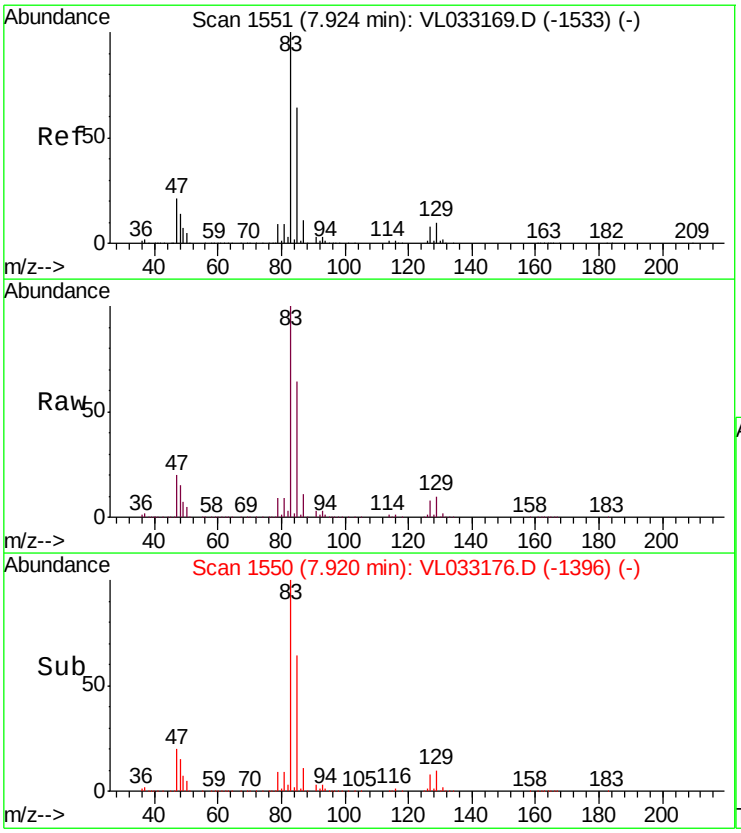
#41
Tetrahydrofuran
Concen: 9.351 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion: 42 Resp: 949223

Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.4	47.2
71	37.7	30.2	45.2

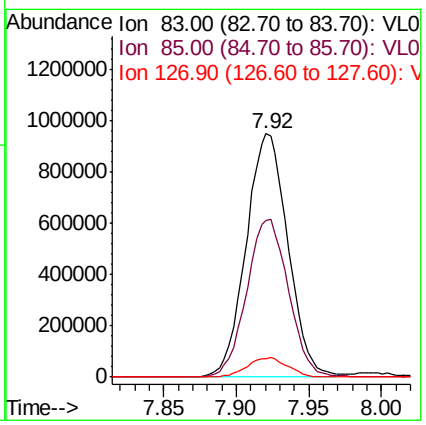


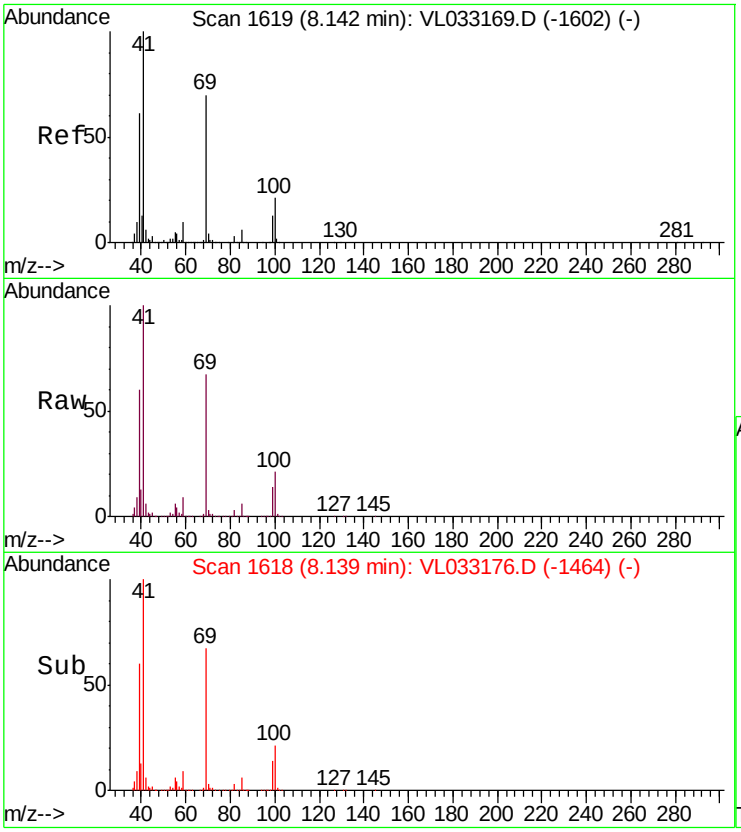


#42
Bromodichloromethane
Concen: 9.043 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 83 Resp: 1905432

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	7.8	6.4	9.6



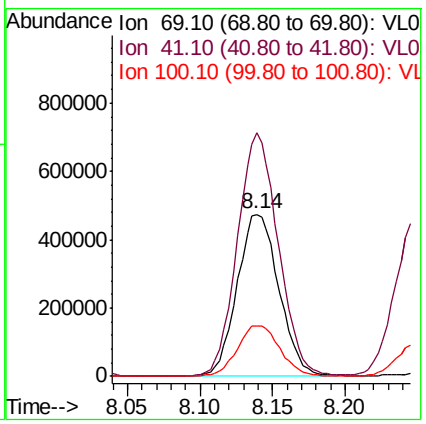


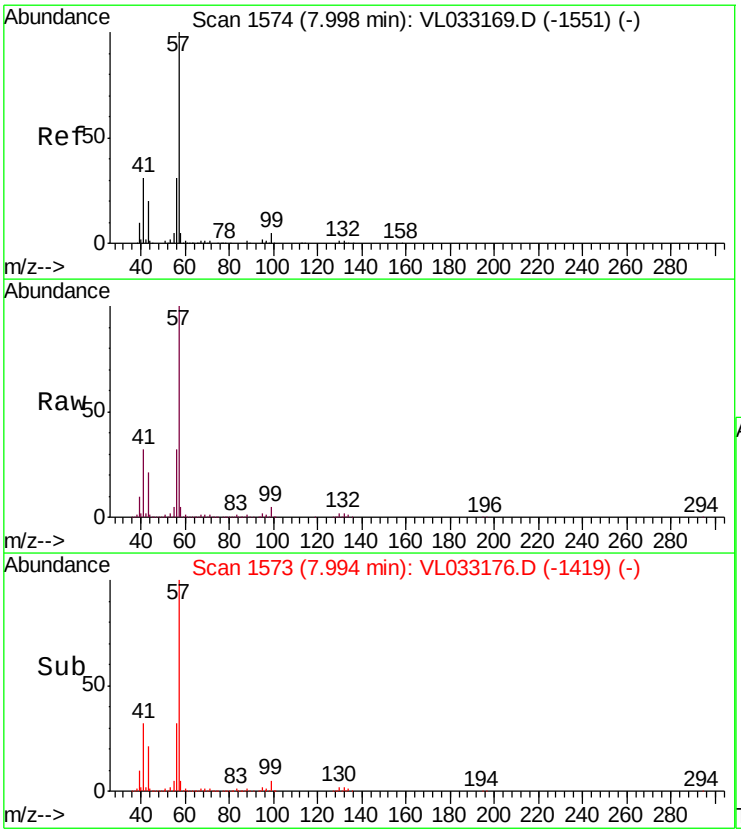
#43
Methyl Methacrylate
Concen: 9.019 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 69 Resp: 950040

Ion	Ratio	Lower	Upper
69	100		
41	146.7	117.1	175.7
100	31.7	25.0	37.6

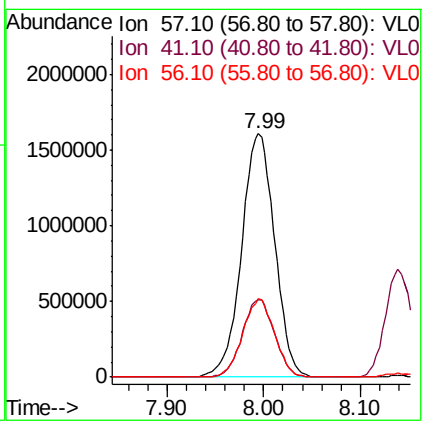


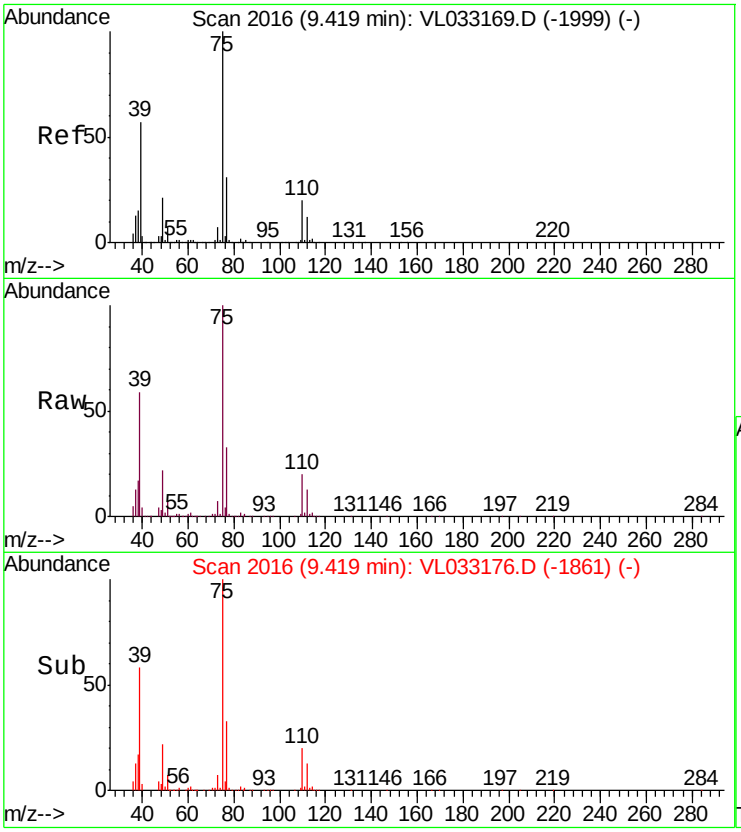


#44
2,2,4-Trimethylpentane
Concen: 8.590 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 57 Resp: 3819316

Ion	Ratio	Lower	Upper
57	100		
41	31.0	25.2	37.8
56	30.8	24.5	36.7



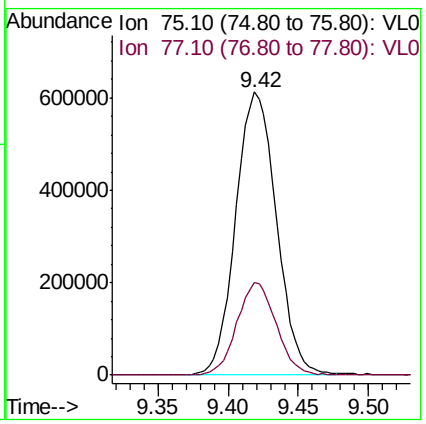


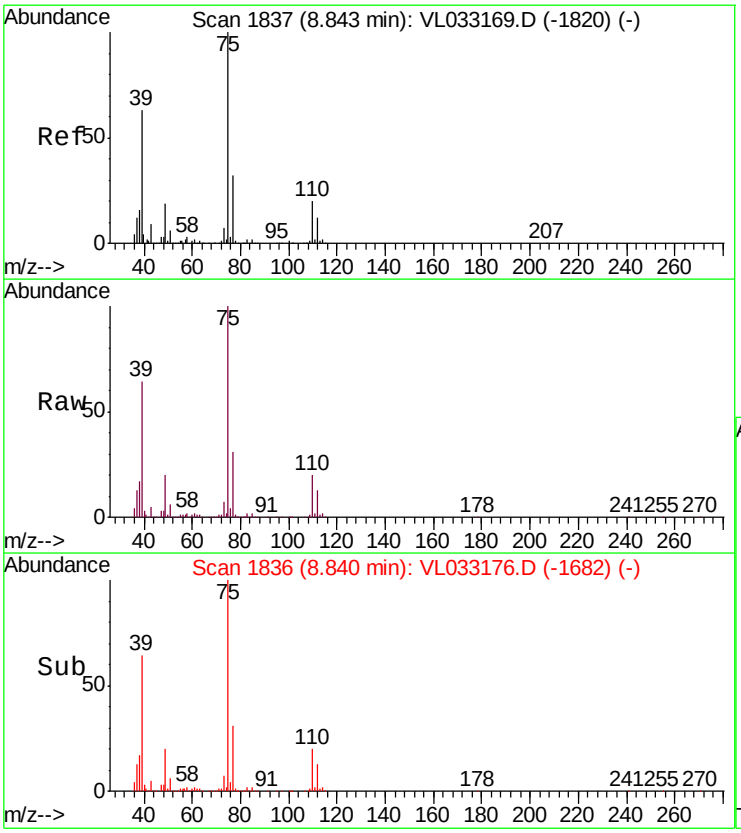
#45
t-1,3-Dichloropropene
Concen: 10.614 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 75 Resp: 1238087

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.0	37.4

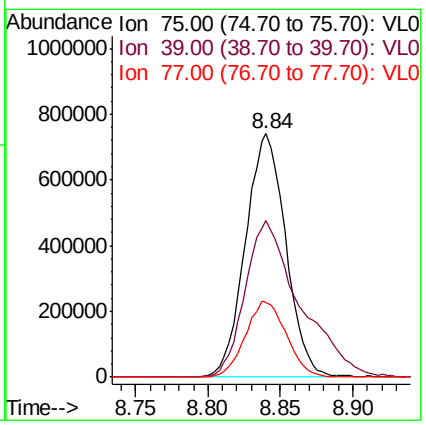


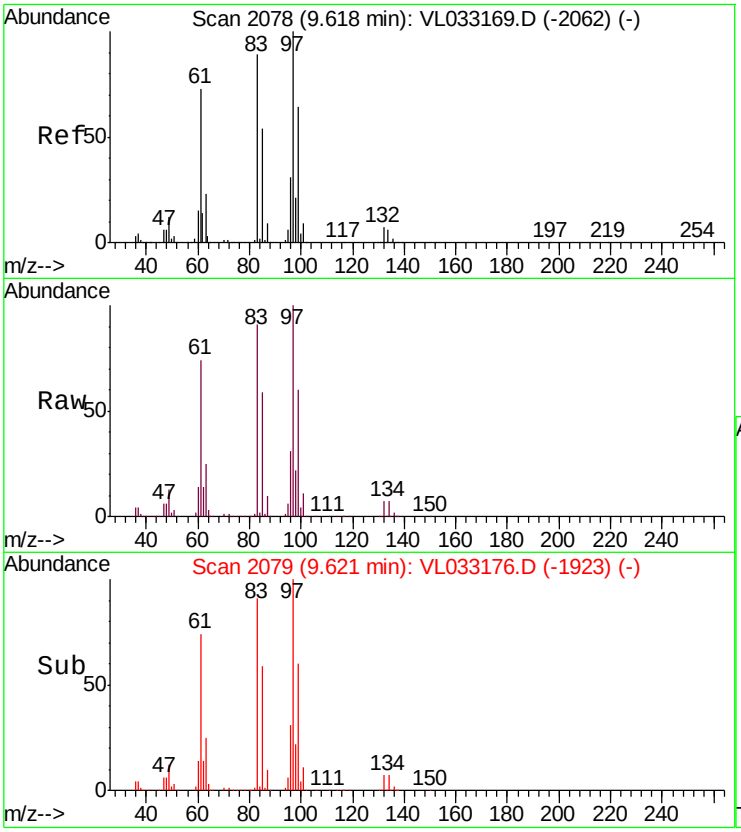


#46
cis-1,3-Dichloropropene
Concen: 9.619 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 75 Resp: 1433707

Ion	Ratio	Lower	Upper
75	100		
39	63.9	50.1	75.1
77	30.8	25.4	38.2



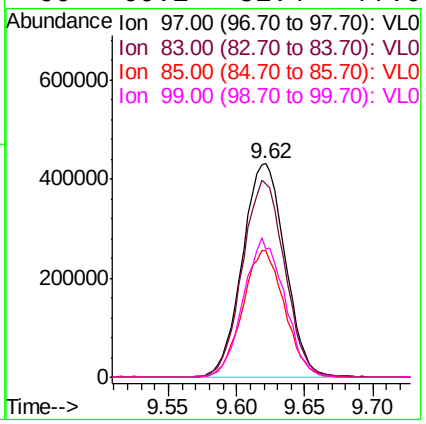


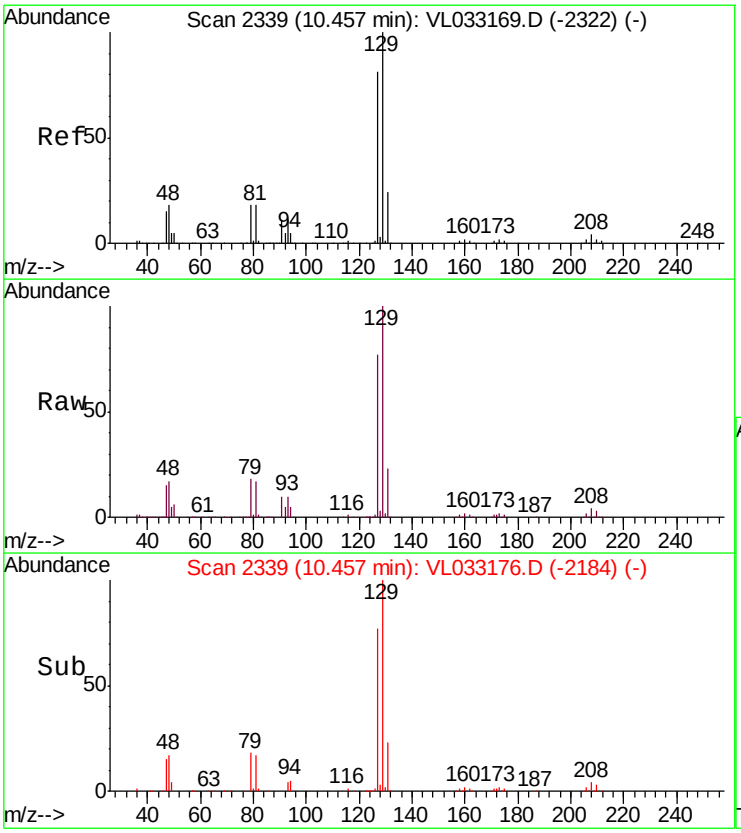
#47
1,1,2-Trichloroethane
Concen: 8.736 ppbv
RT: 9.62 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 97 Resp: 938697

Ion	Ratio	Lower	Upper
97	100		
83	90.5	71.4	107.2
85	59.3	43.5	65.3
99	60.1	51.4	77.0

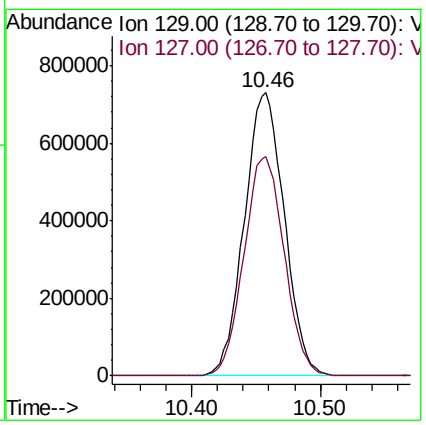


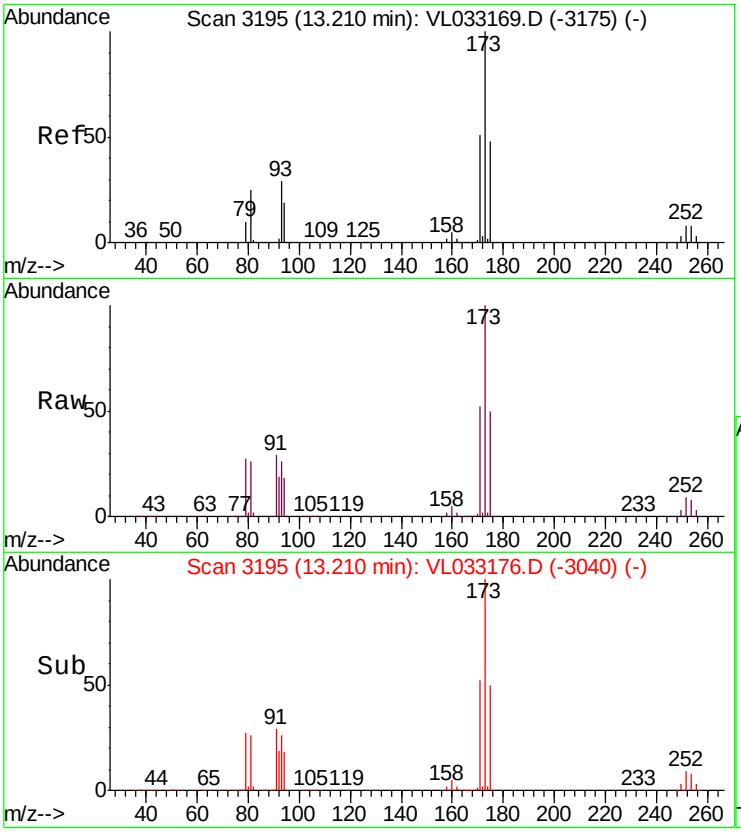


#48
Dibromochloromethane
Concen: 9.331 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:129 Resp: 1579632

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.3



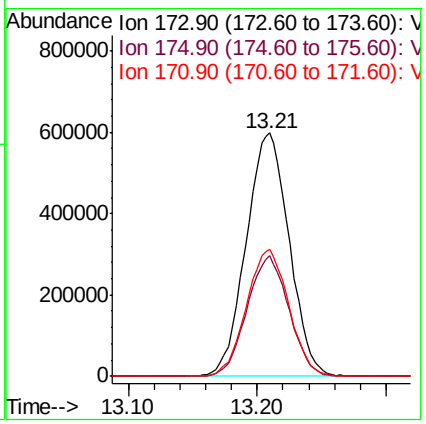


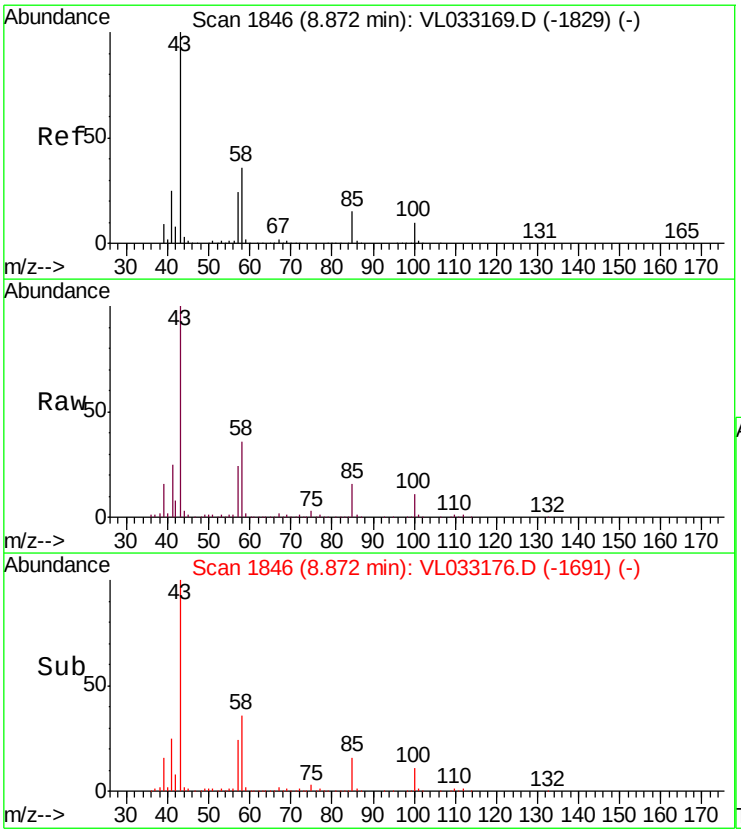
#49
Bromoform
Concen: 9.517 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion:173 Resp: 1386298

Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.6	58.0
171	51.6	41.6	62.4

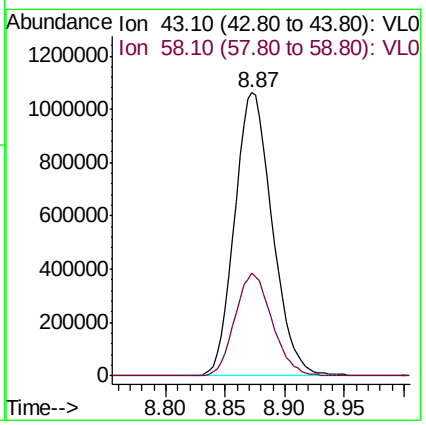


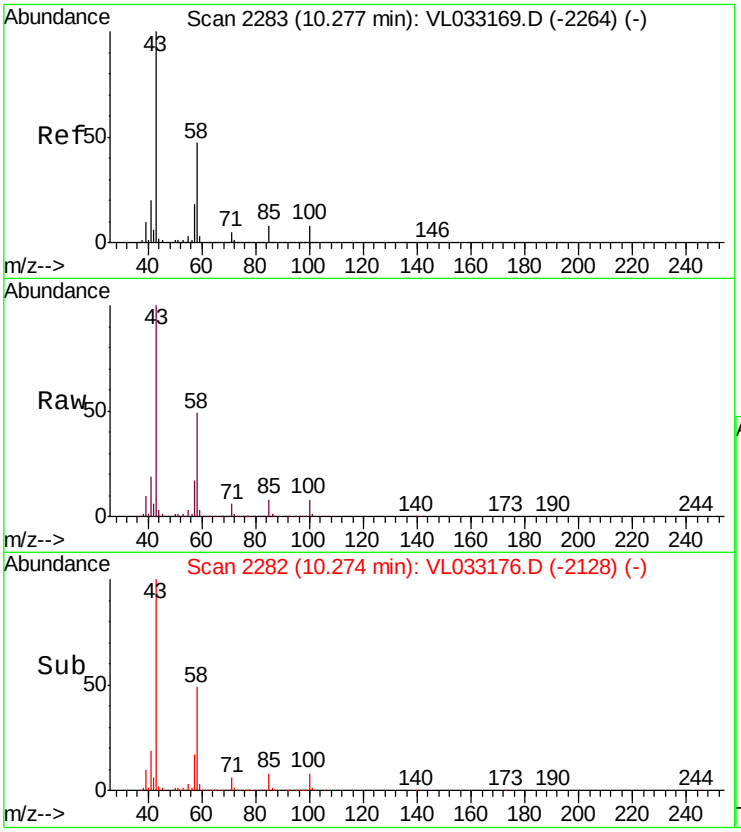


#50
4-Methyl-2-Pentanone
Concen: 8.869 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 43 Resp: 2335297

Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.0	43.6



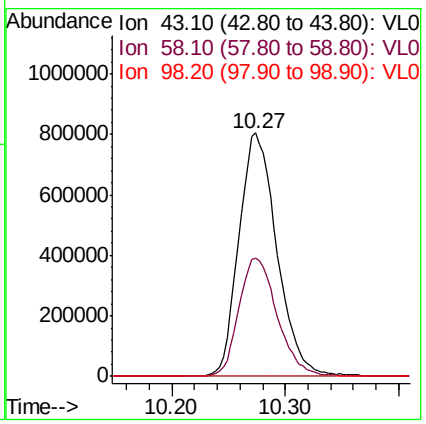


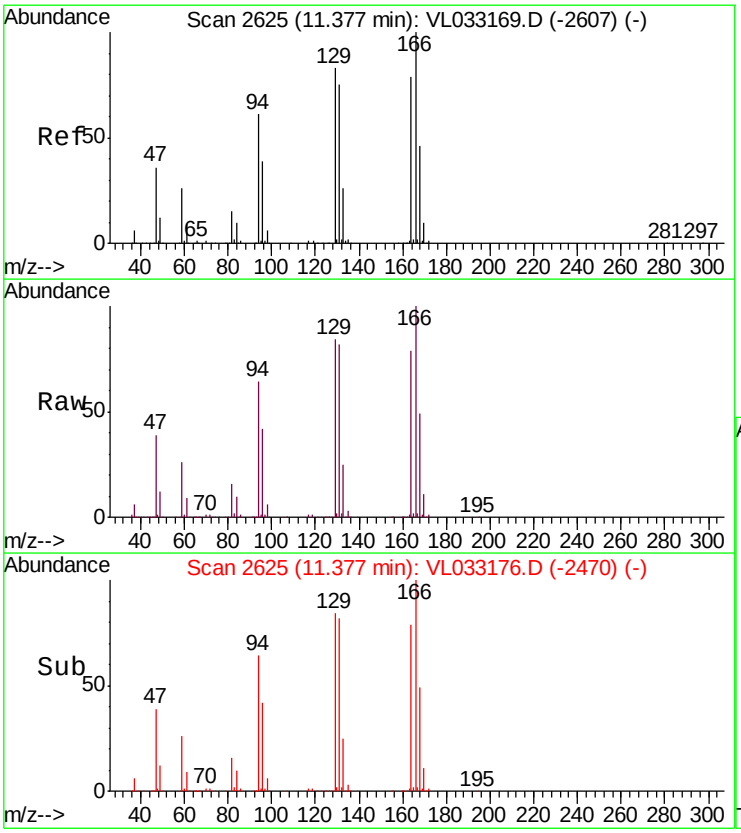
#51
2-Hexanone
Concen: 9.044 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 43 Resp: 1877621

Ion	Ratio	Lower	Upper
43	100		
58	49.4	39.0	58.6
98	0.0	0.1	0.1#

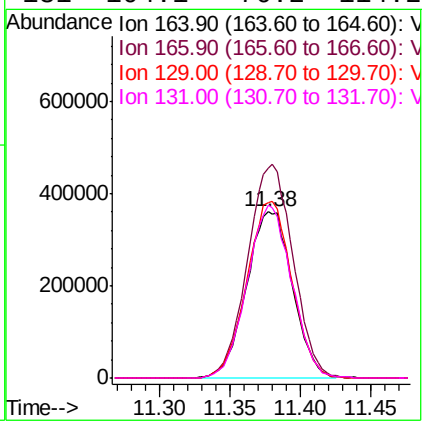


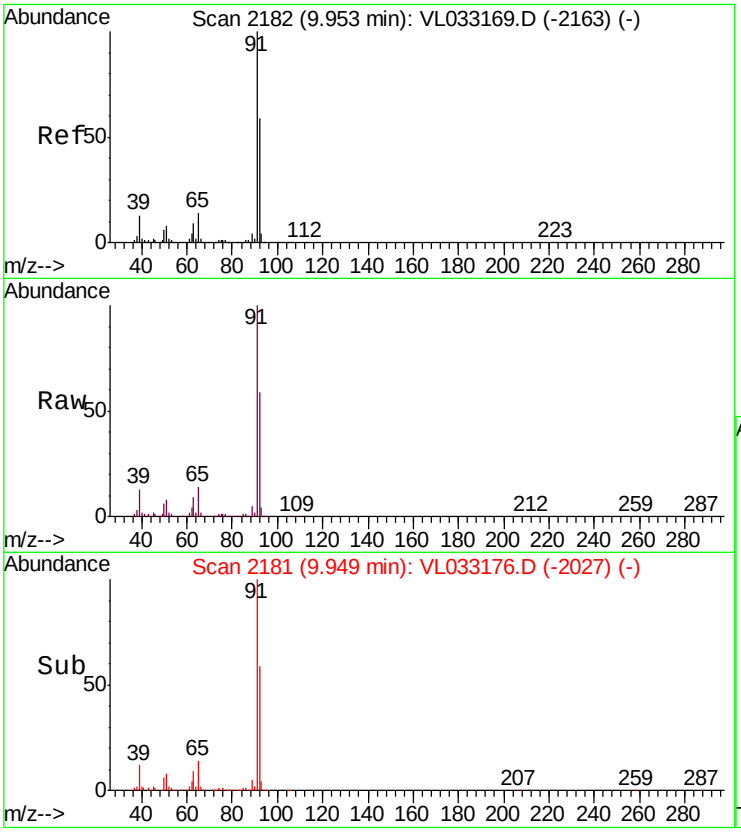


#52
Tetrachloroethene
Concen: 8.110 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:164 Resp: 817516

Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.9	151.3
129	105.9	83.9	125.9
131	104.1	76.2	114.2



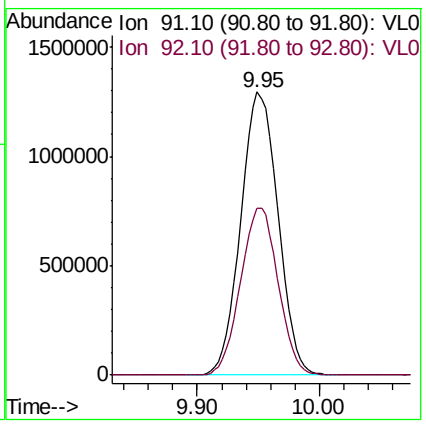


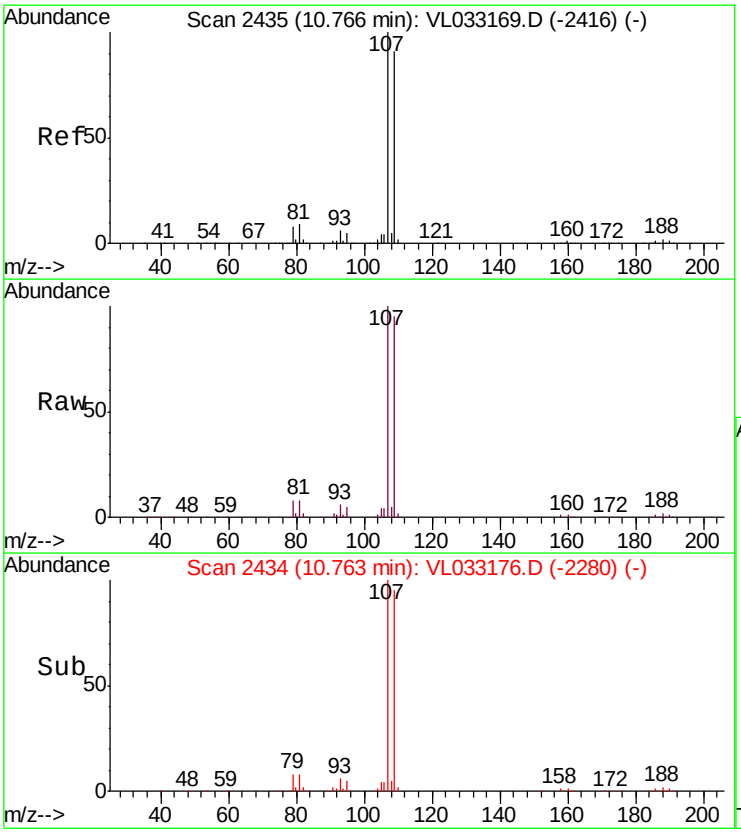
#53
Toluene
Concen: 8.780 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 91 Resp: 2727696

Ion	Ratio	Lower	Upper
91	100		
92	59.5	48.0	72.0

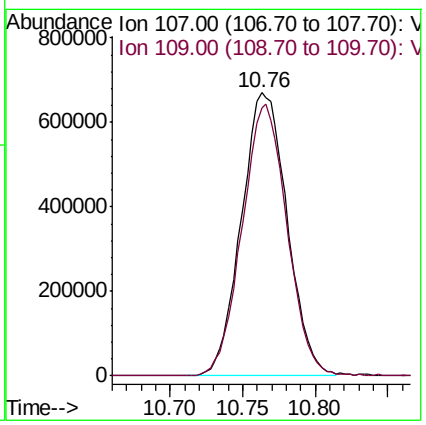


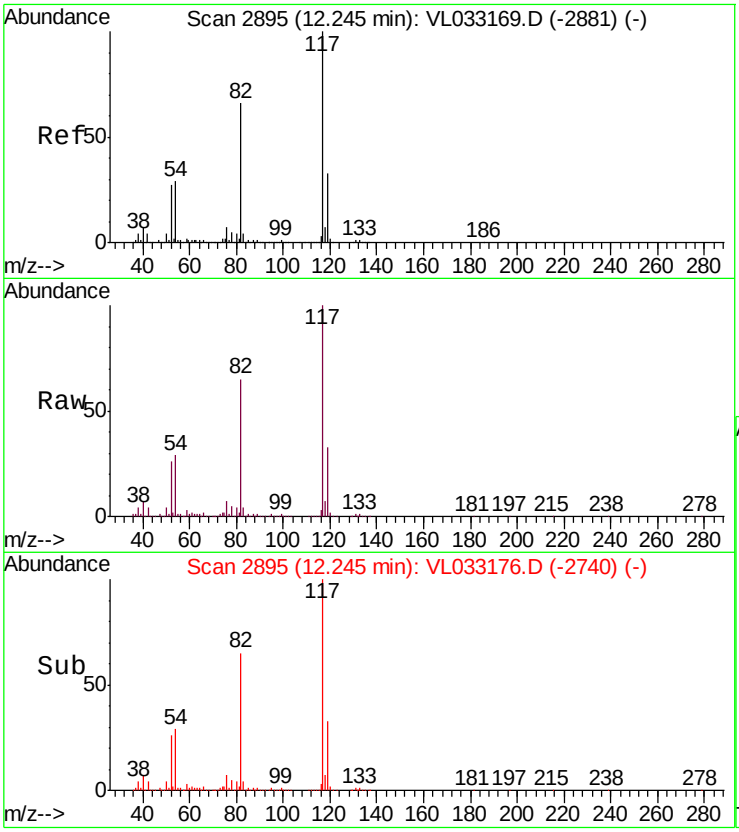


#54
1,2-Dibromoethane
Concen: 8.751 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:107 Resp: 1475593

Ion	Ratio	Lower	Upper
107	100		
109	94.5	73.2	109.8



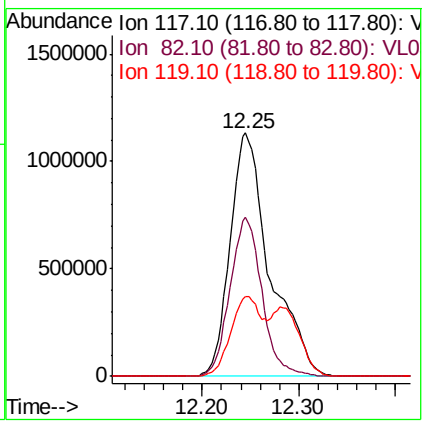


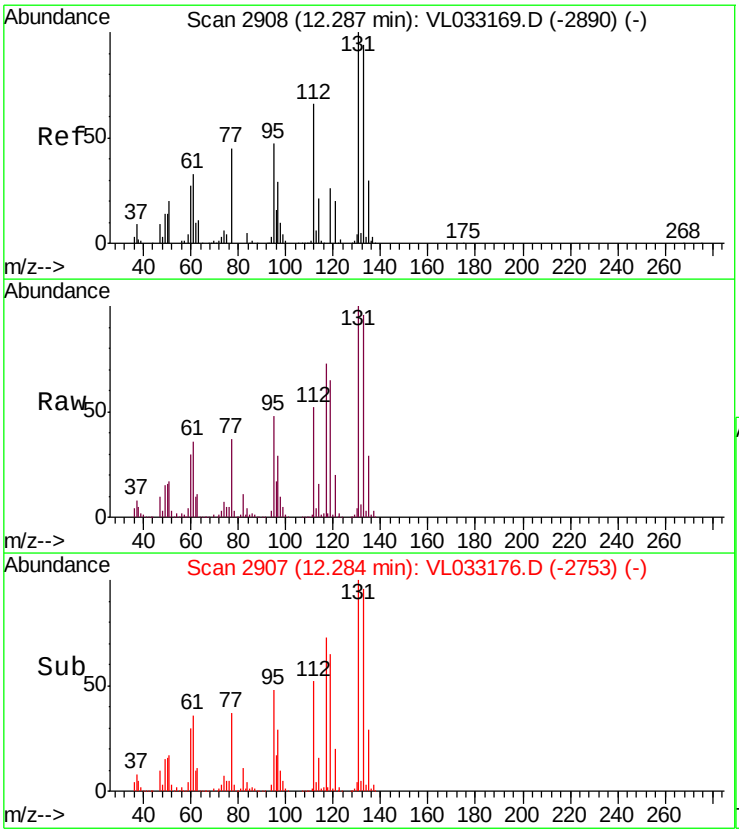
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion:117 Resp: 3234000

Ion	Ratio	Lower	Upper
117	100		
82	52.7	53.8	80.8#
119	28.0	46.9	70.3#

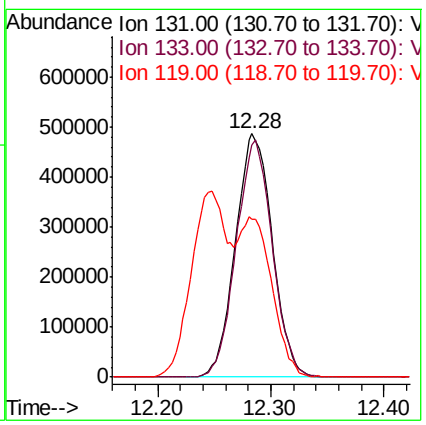


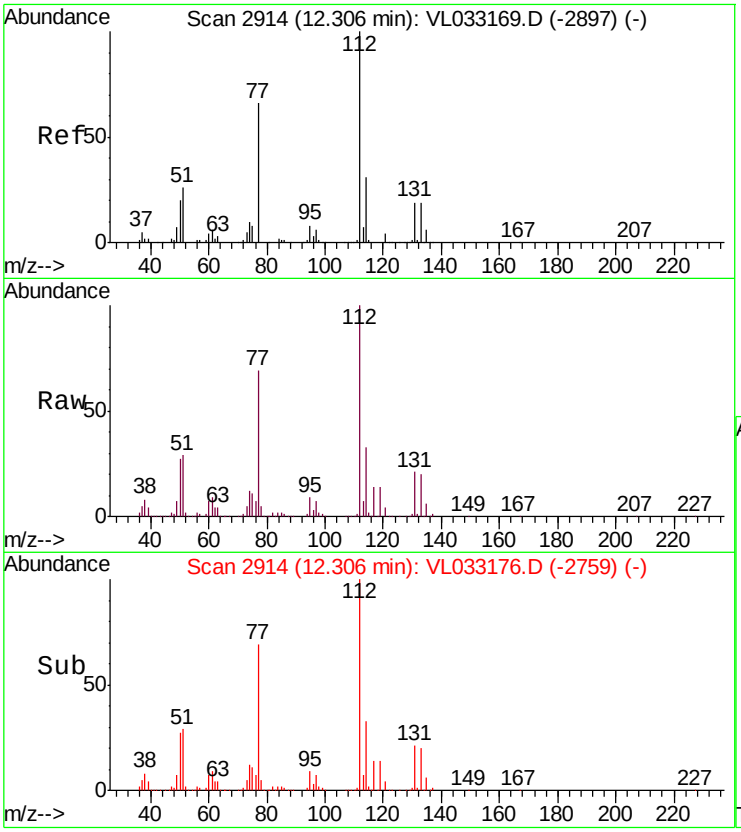


#56
1,1,1,2-Tetrachloroethane
Concen: 7.316 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:131 Resp: 1102011

Ion	Ratio	Lower	Upper
131	100		
133	95.5	75.8	113.6
119	54.4	48.1	72.1



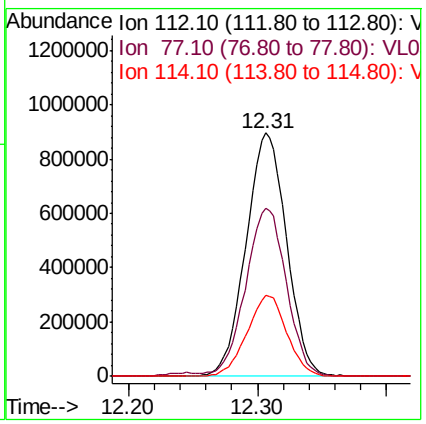


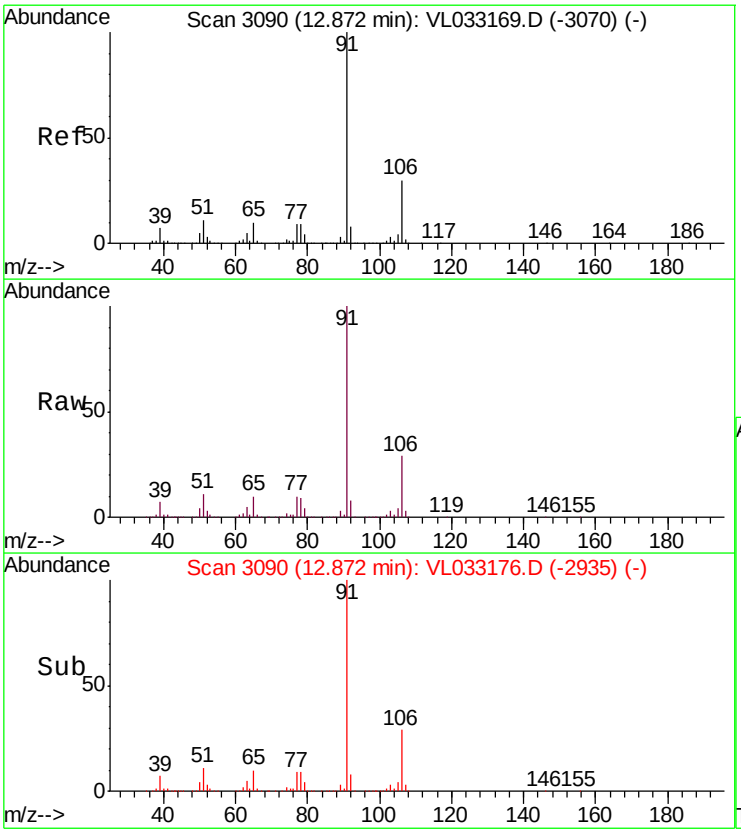
#57
Chlorobenzene
Concen: 6.857 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion:112 Resp: 1962316

Ion	Ratio	Lower	Upper
112	100		
77	68.6	54.0	81.0
114	33.0	27.9	34.1

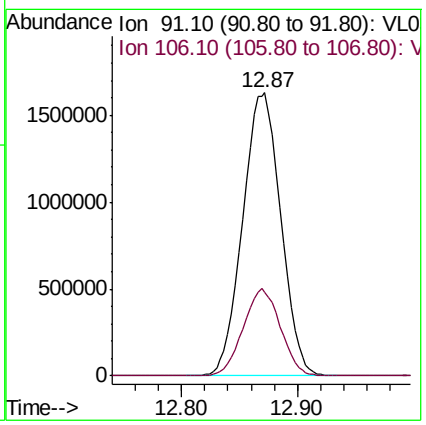


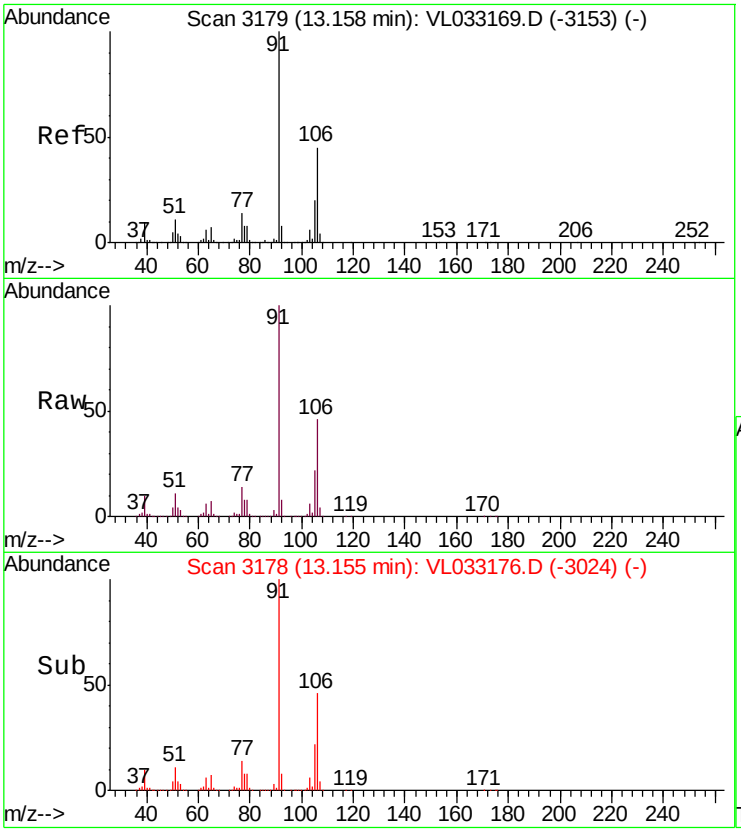


#58
Ethyl Benzene
Concen: 7.029 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 91 Resp: 3731065

Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.8	35.8



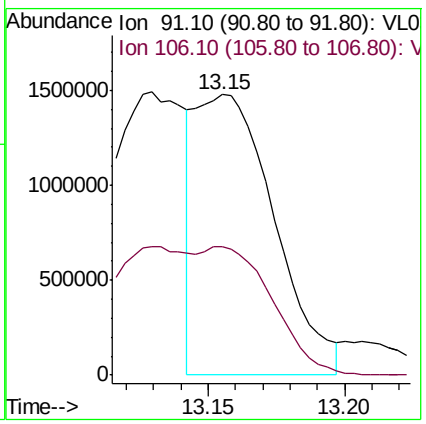


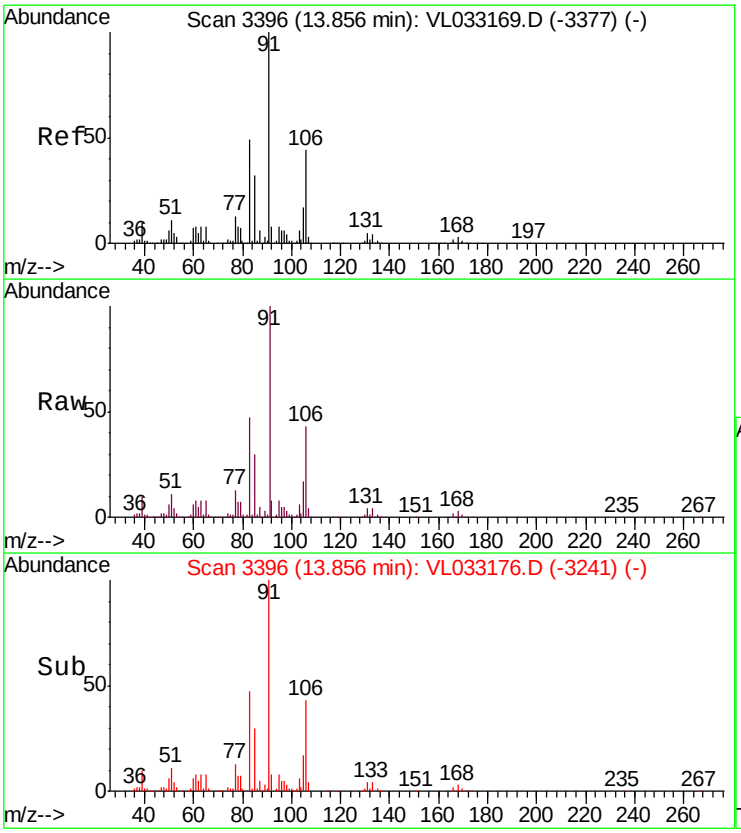
#59
m/p-Xylene
Concen: 6.659 ppbv
RT: 13.15 min Scan# 3178
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 91 Resp: 2940372

Ion	Ratio	Lower	Upper
91	100		
106	93.2	36.6	55.0#

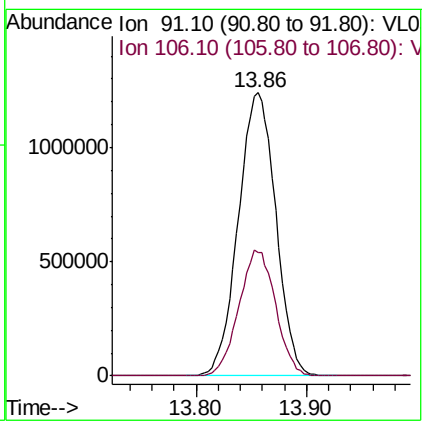


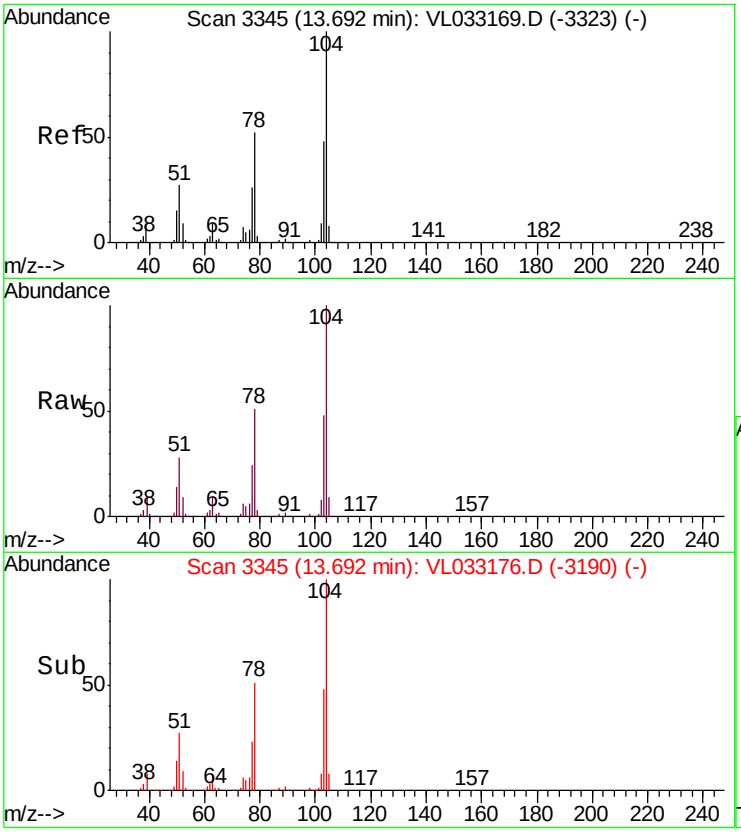


#60
o-Xylene
Concen: 6.780 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 91 Resp: 2919298

Ion	Ratio	Lower	Upper
91	100		
106	43.4	21.8	65.3



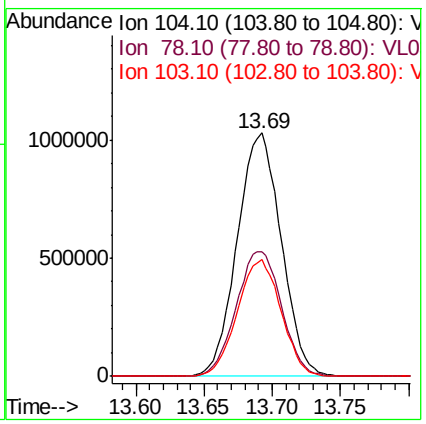


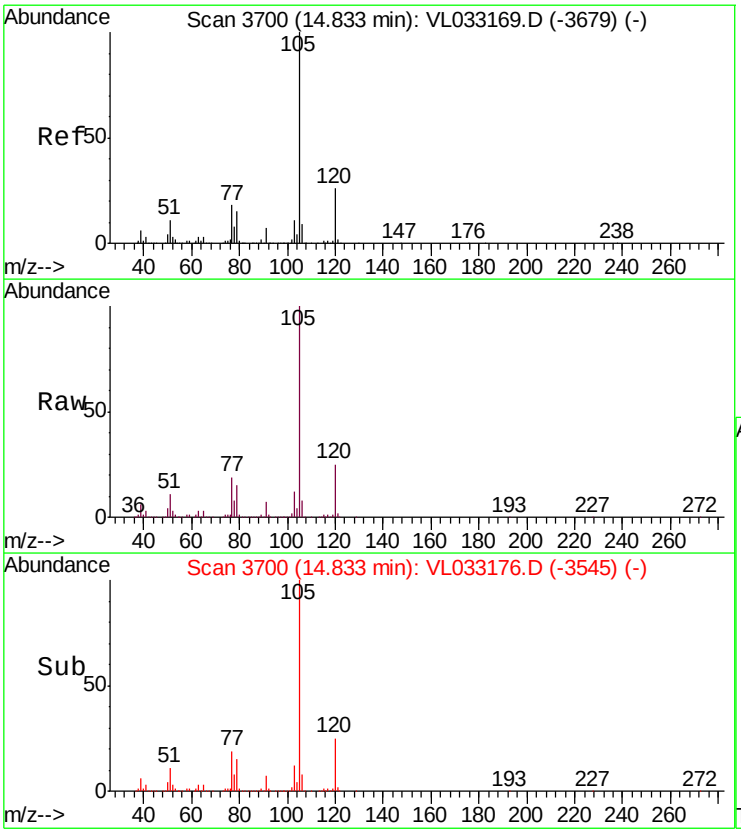
#61
Styrene
Concen: 7.075 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion:104 Resp: 2299736

Ion	Ratio	Lower	Upper
104	100		
78	53.0	41.9	62.9
103	47.8	37.9	56.9

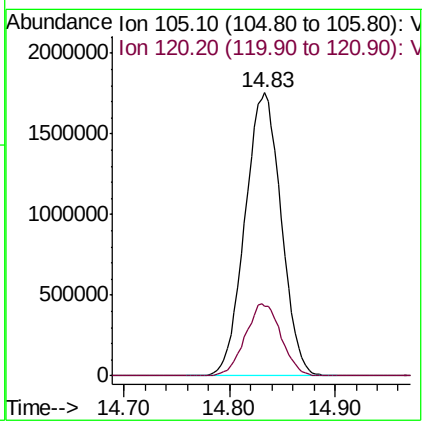


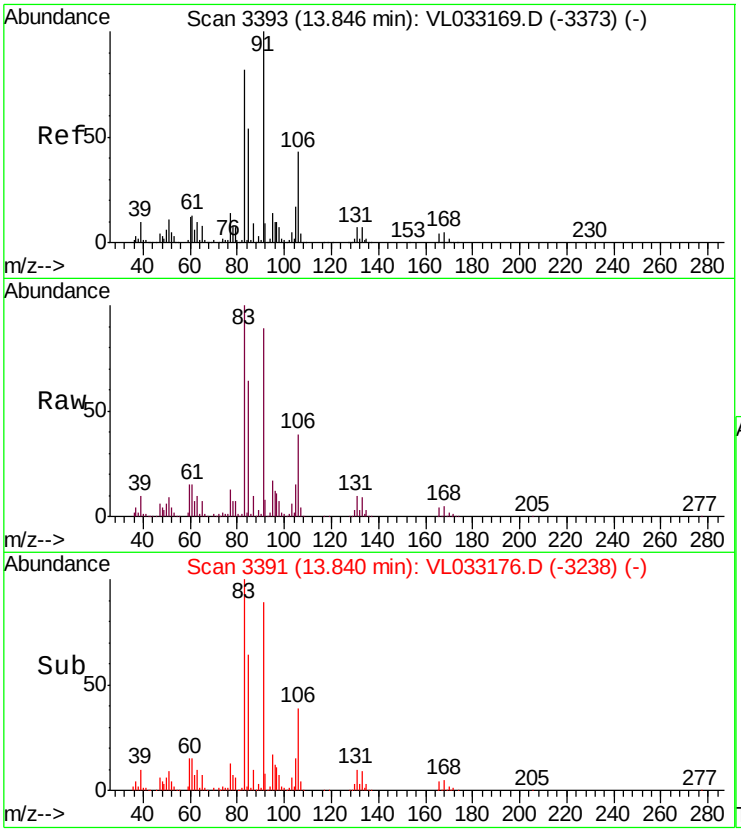


#62
Isopropylbenzene
Concen: 6.900 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:105 Resp: 4191751

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.3	30.5



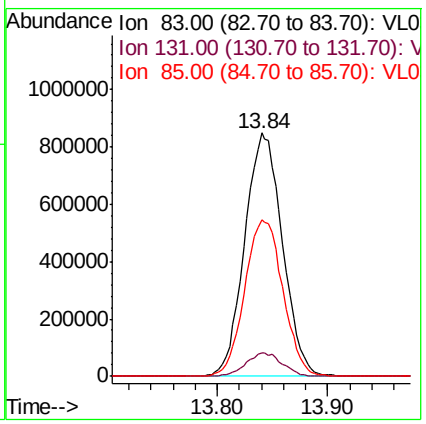


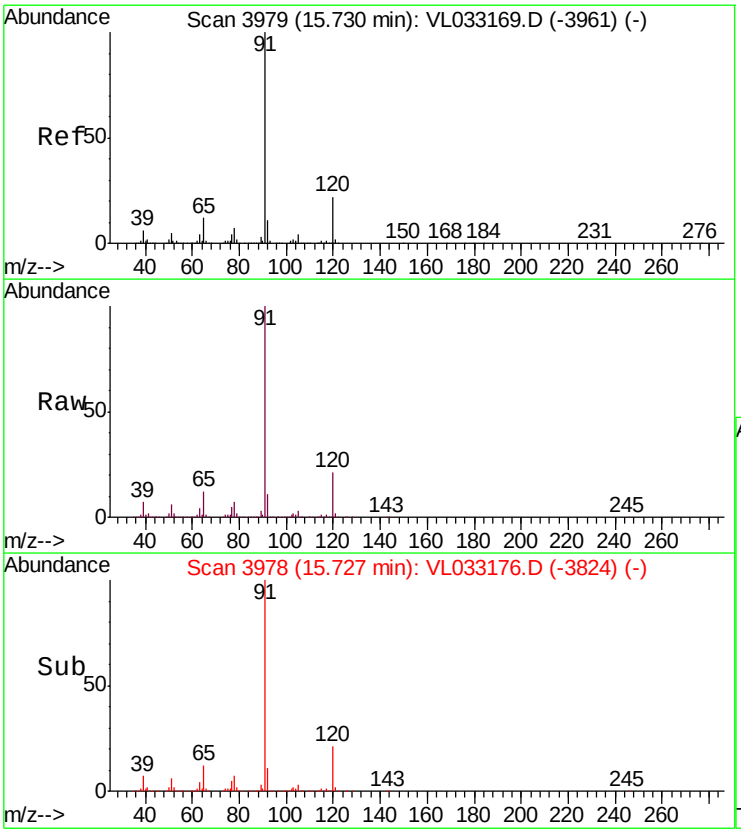
#63
1,1,2,2-Tetrachloroethane
Concen: 5.975 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion: 83 Resp: 2008510

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	65.2	32.8	98.3

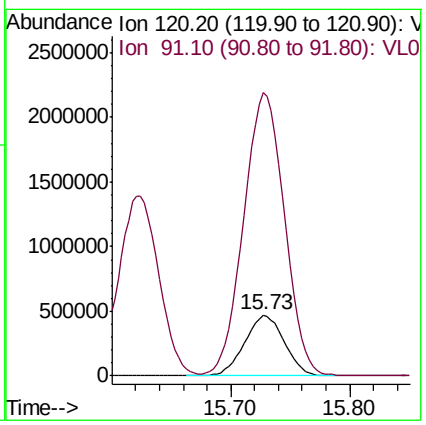


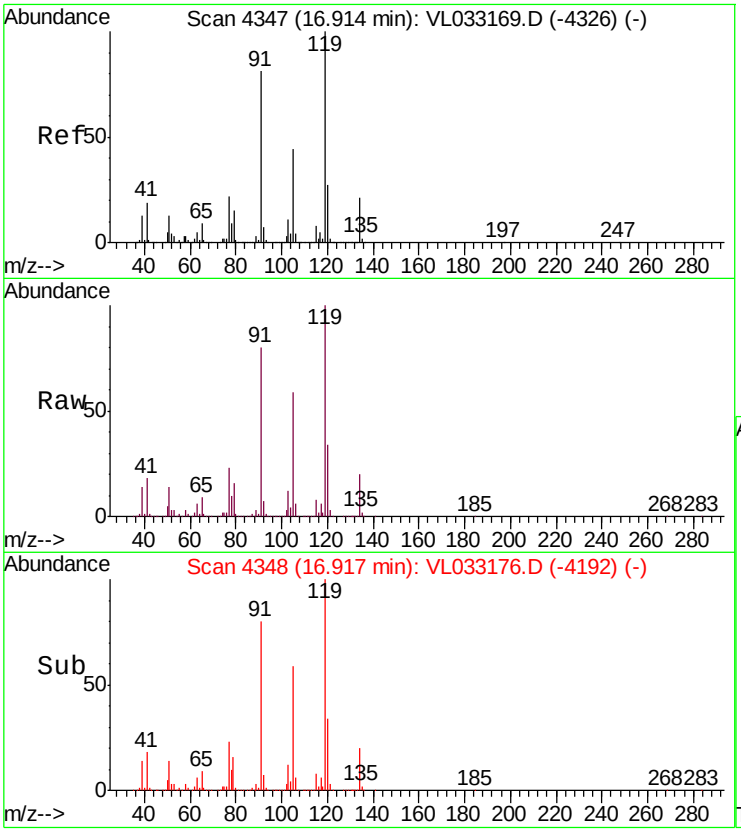


#64
n-propylbenzene
Concen: 7.006 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:120 Resp: 1082077

Ion	Ratio	Lower	Upper
120	100		
91	482.1	383.9	575.9



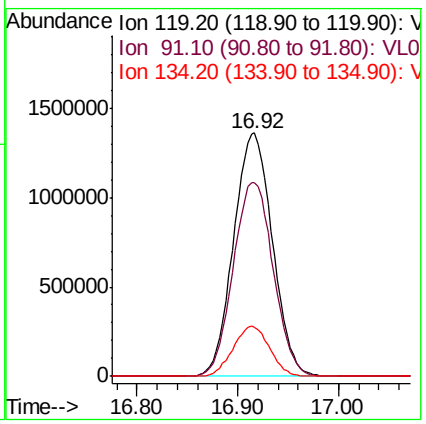


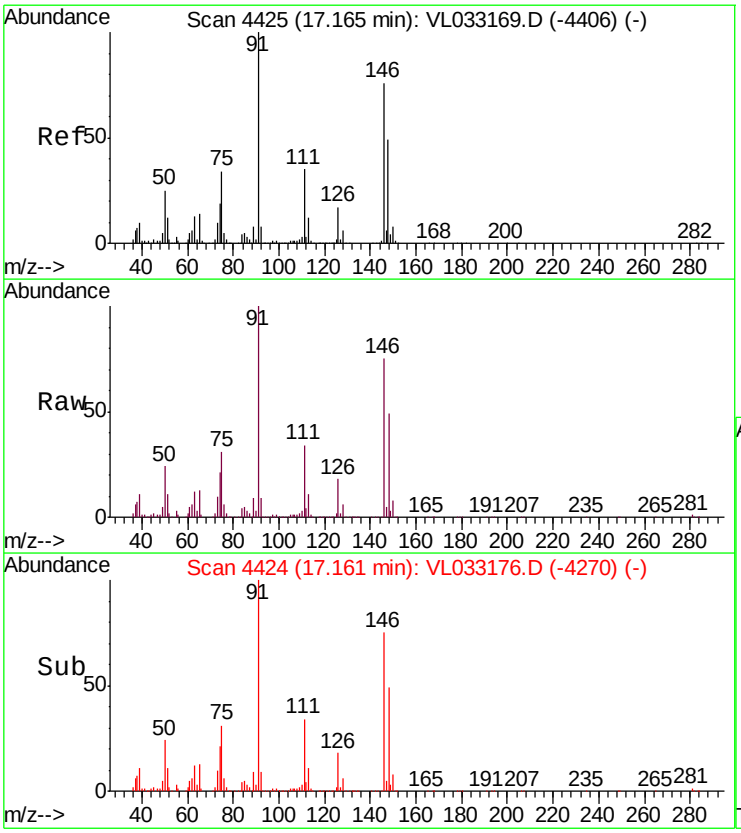
#65
tert-Butylbenzene
Concen: 6.877 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion:119 Resp: 3638152

Ion	Ratio	Lower	Upper
119	100		
91	82.4	65.6	98.4
134	19.5	15.8	23.8

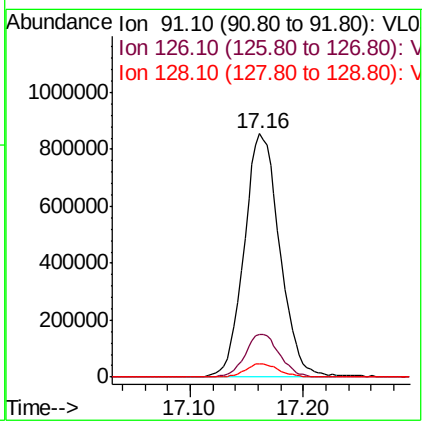


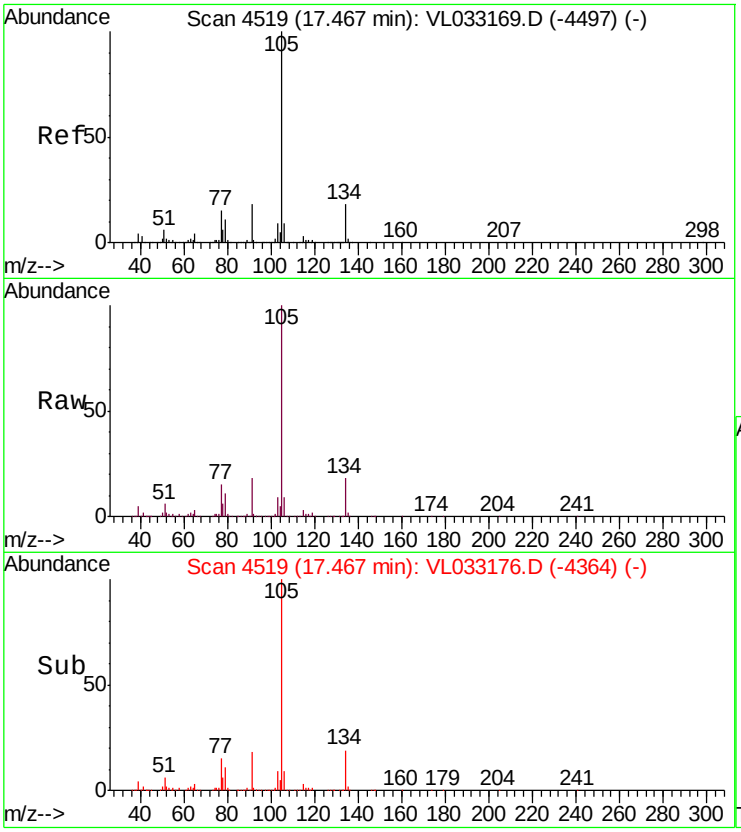


#66
Benzyl Chloride
Concen: 9.860 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 91 Resp: 1863960

Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.8	20.6
128	5.3	4.5	6.7



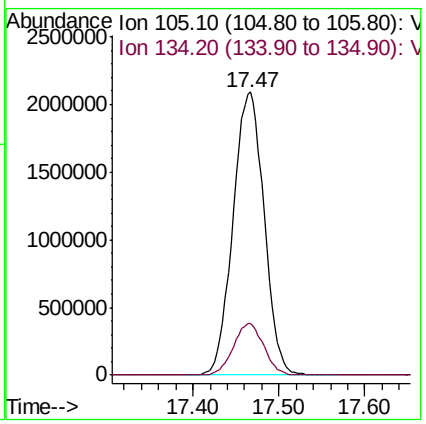


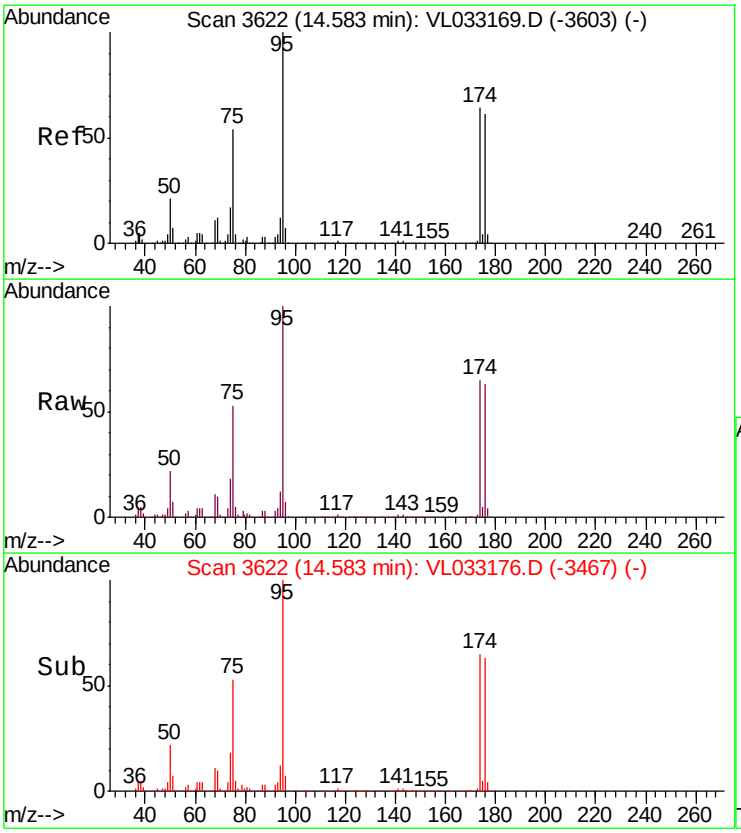
#67
sec-Butylbenzene
Concen: 6.821 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion:105 Resp: 5238551

Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.6	22.0

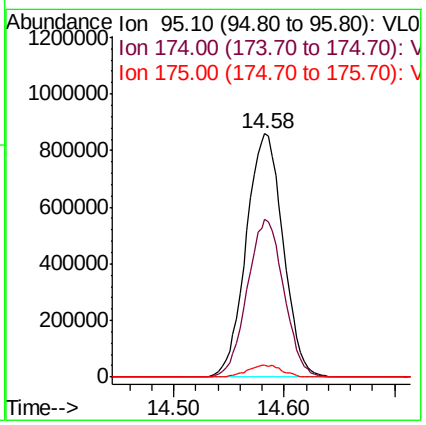


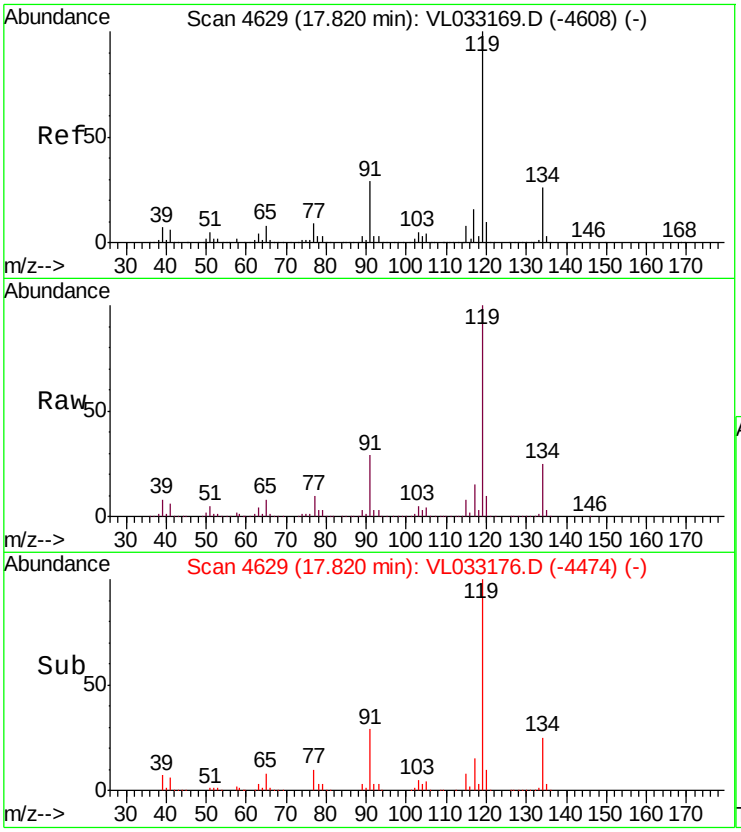


#68
1-Bromo-4-Fluorobenzene
Concen: 7.903 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 95 Resp: 1991700

Ion	Ratio	Lower	Upper
95	100		
174	64.2	51.1	76.7
175	4.8	3.8	5.6



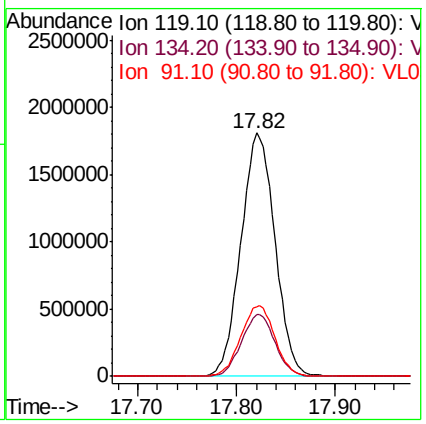


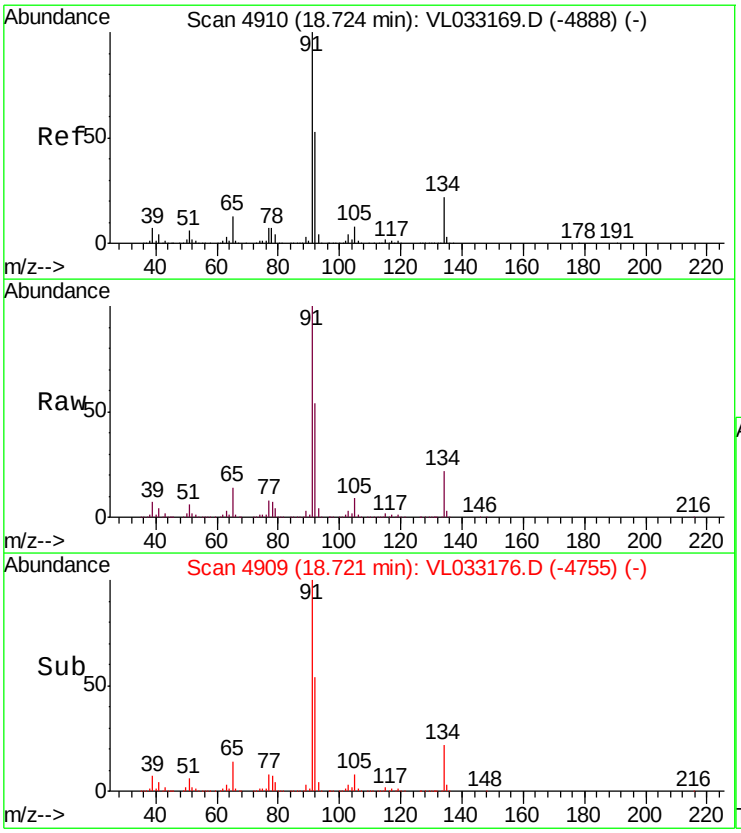
#69
p-Isopropyltoluene
Concen: 6.745 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion:119 Resp: 4314074

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.4	30.6
91	29.1	23.4	35.0

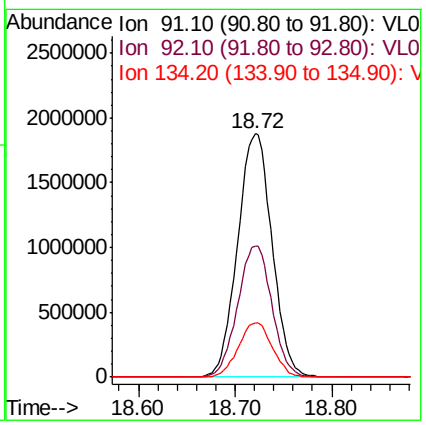


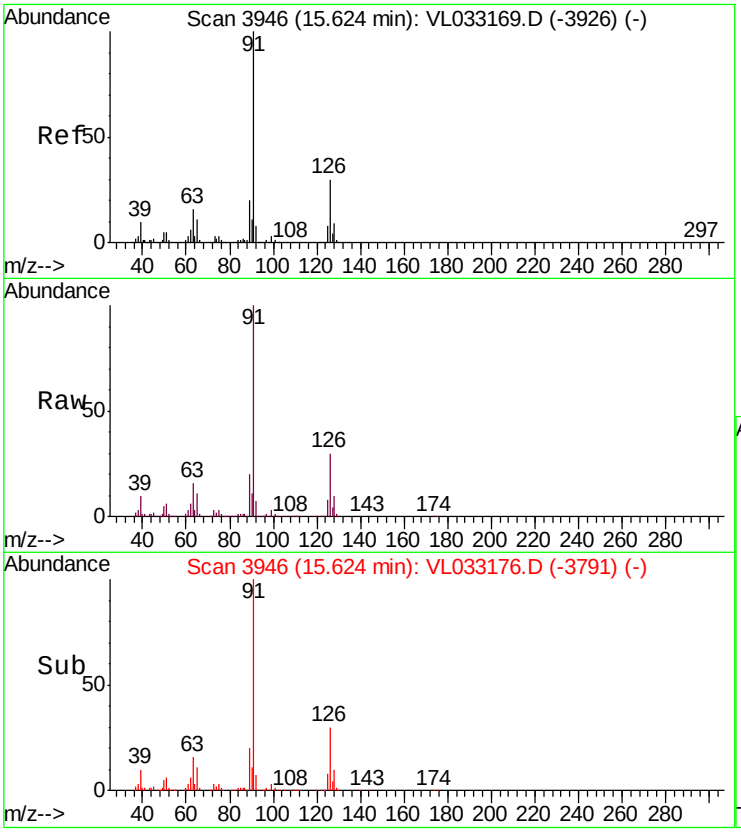


#70
n-Butylbenzene
Concen: 6.730 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion: 91 Resp: 4643551

Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.0	64.4
134	22.2	17.5	26.3



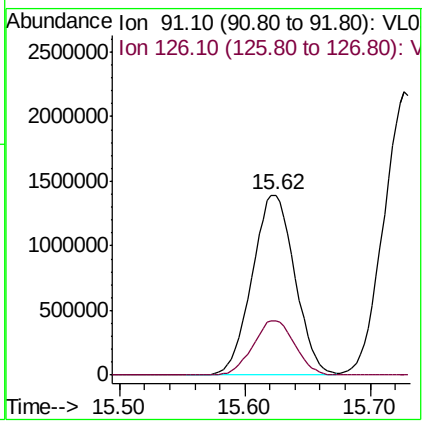


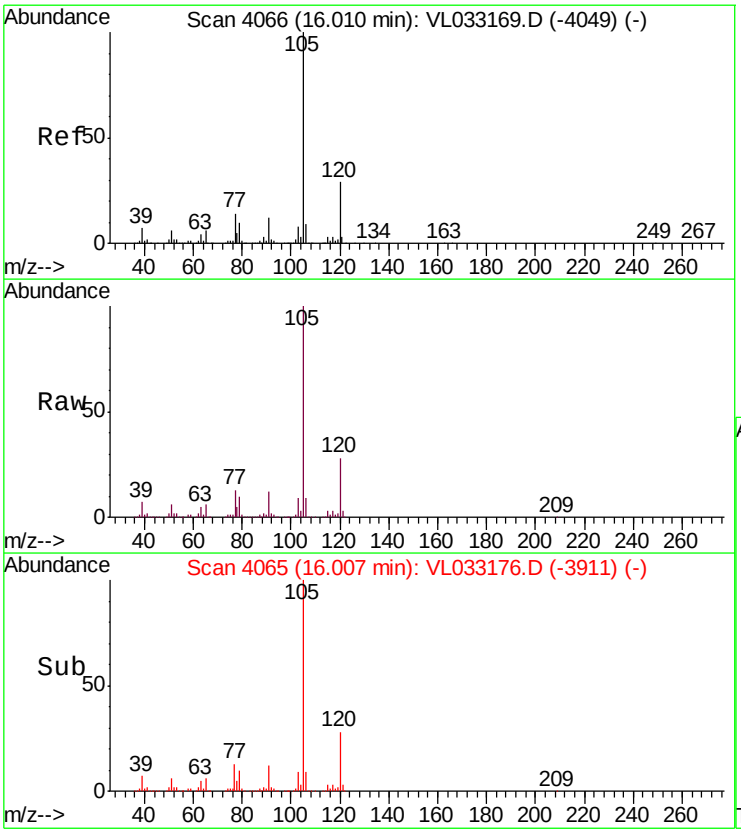
#71
2-Chlorotoluene
Concen: 6.909 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion: 91 Resp: 3297432

Ion	Ratio	Lower	Upper
91	100		
126	29.8	11.8	47.4

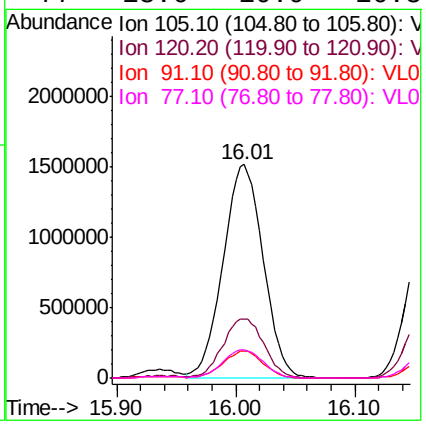


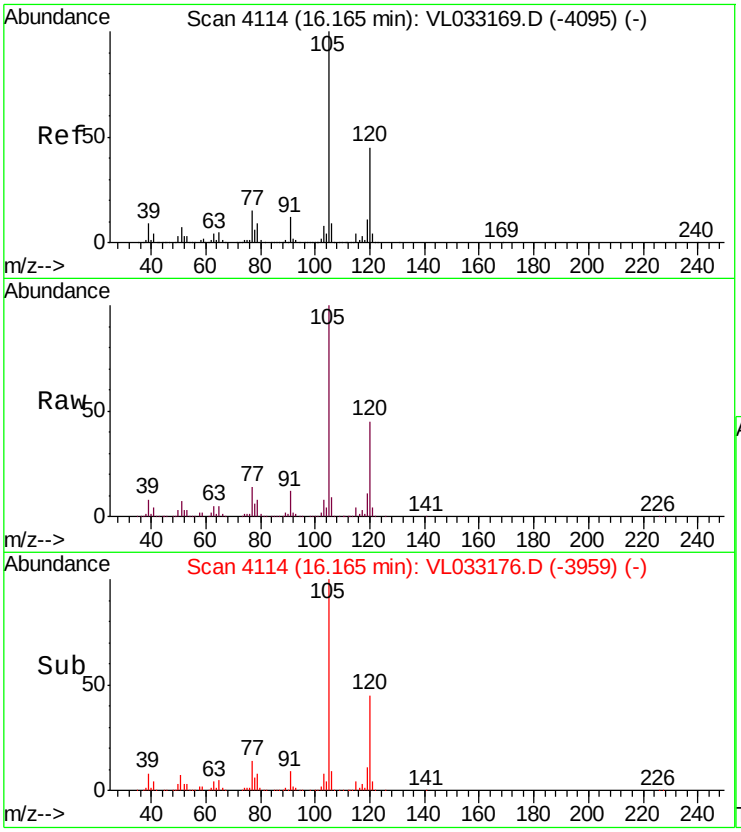


#72
4-Ethyltoluene
Concen: 7.092 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:105 Resp: 3522044

Ion	Ratio	Lower	Upper
105	100		
120	28.5	23.1	34.7
91	12.6	9.8	14.6
77	13.6	10.9	16.3



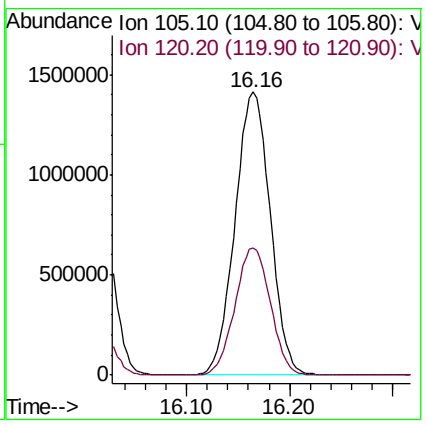


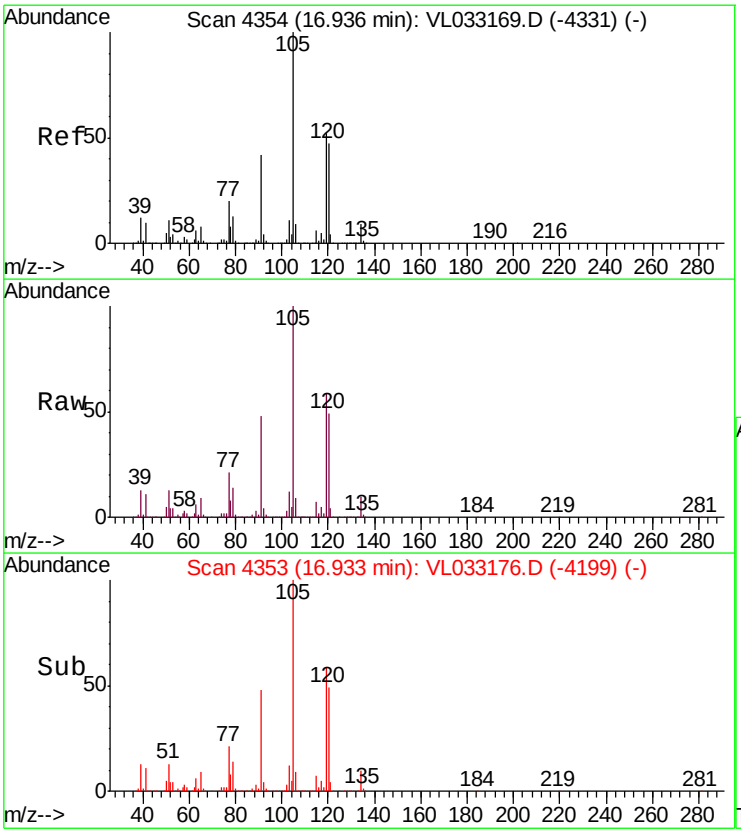
#73
1,3,5-Trimethylbenzene
Concen: 7.055 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion:105 Resp: 3350886

Ion	Ratio	Lower	Upper
105	100		
120	44.9	36.2	54.4

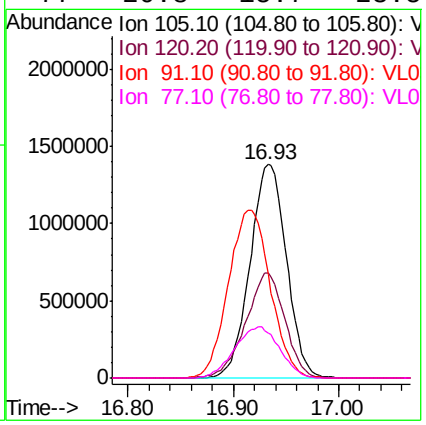


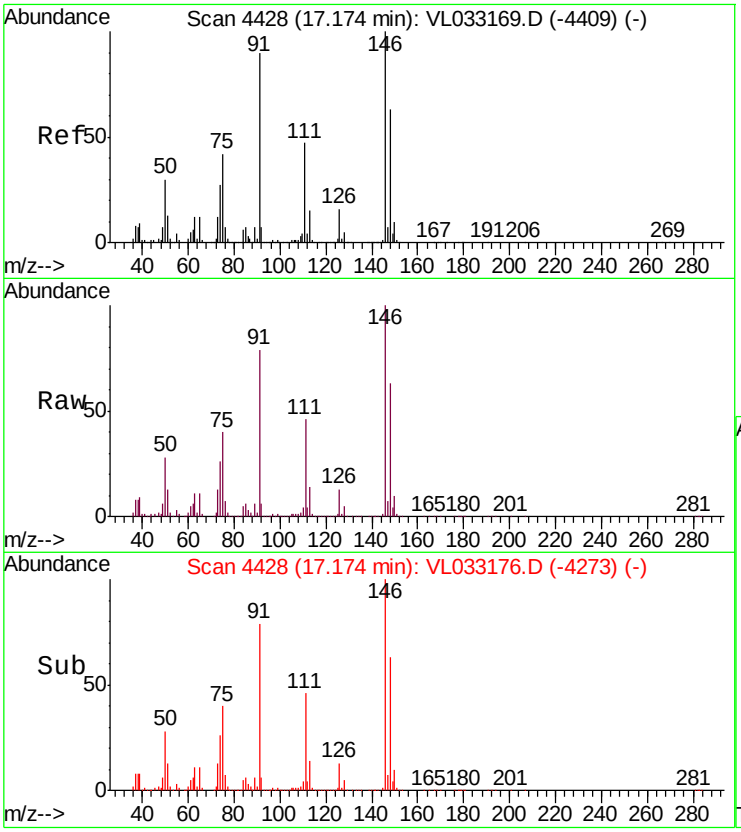


#74
1,2,4-Trimethylbenzene
Concen: 6.749 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:105 Resp: 3324564

Ion	Ratio	Lower	Upper
105	100		
120	49.2	37.9	56.9
91	48.2	34.0	51.0
77	20.8	15.7	23.5



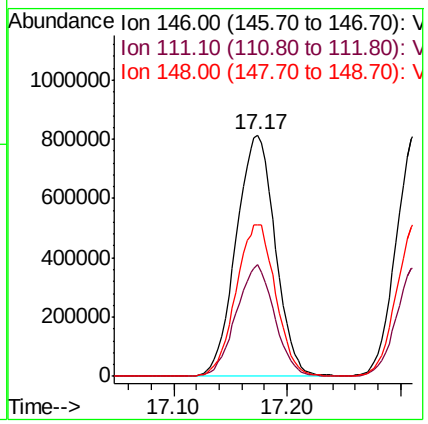


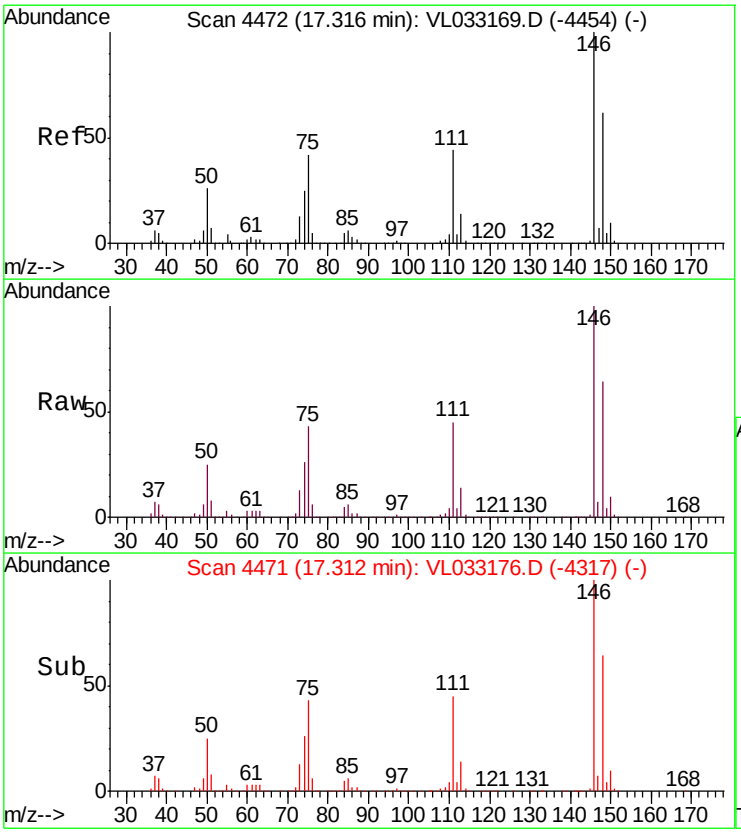
#75
1,3-Dichlorobenzene
Concen: 6.885 ppbv
RT: 17.17 min Scan# 4428
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion:146 Resp: 1956025

Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.2	69.6
148	63.7	31.8	95.4

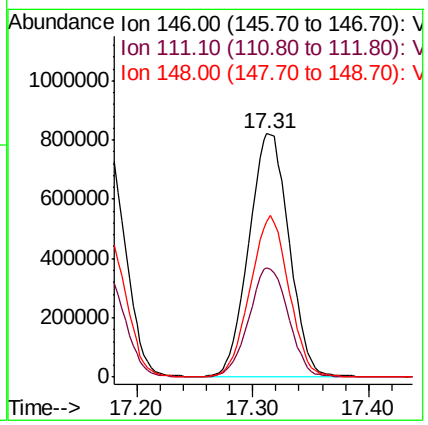


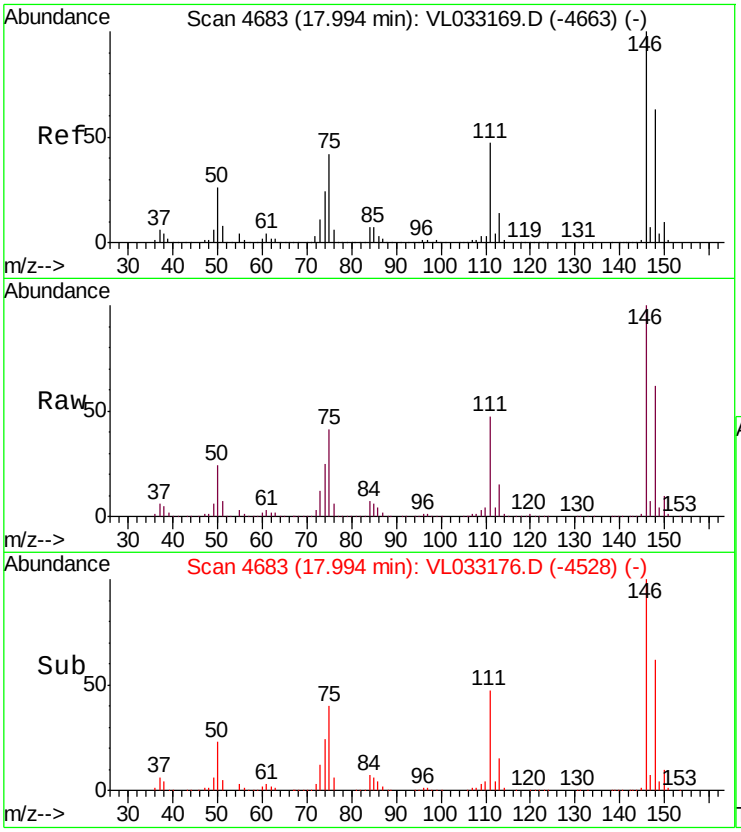


#76
1,4-Dichlorobenzene
Concen: 6.984 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:146 Resp: 1965826

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.3	66.9
148	64.6	32.0	96.0



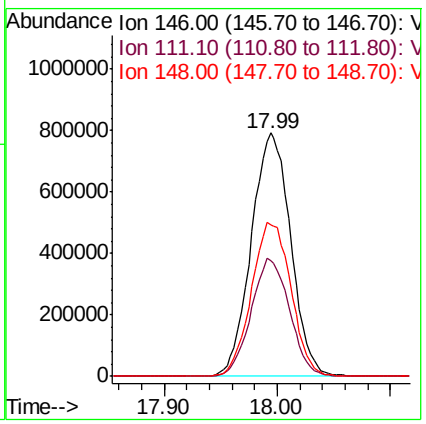


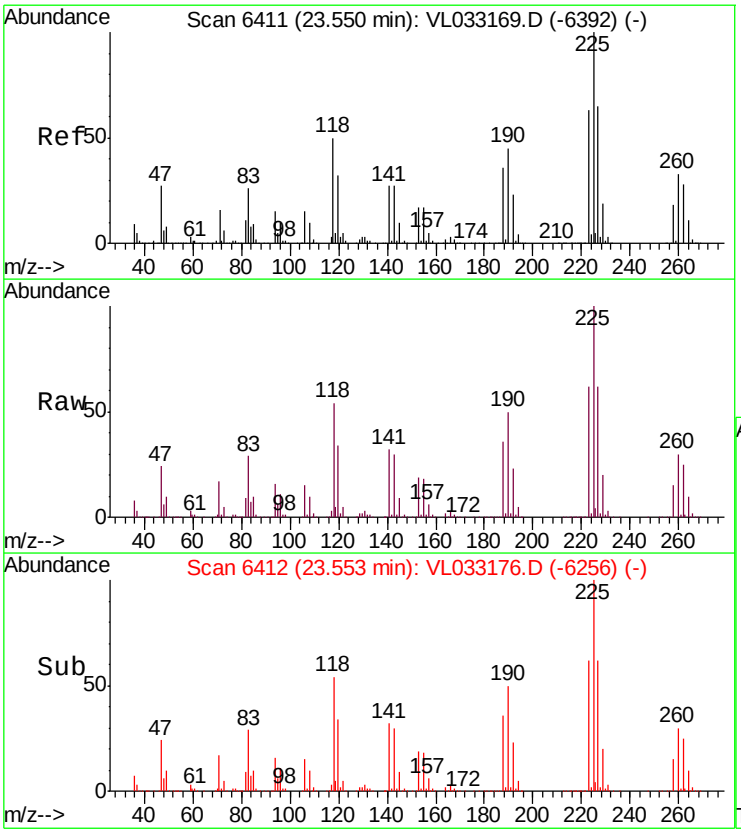
#77
1,2-Dichlorobenzene
Concen: 6.818 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument : MSVOA_L
ClientSampleId : ICVVL020519

Tgt Ion:146 Resp: 1914220

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.5	70.6
148	63.7	31.9	95.7

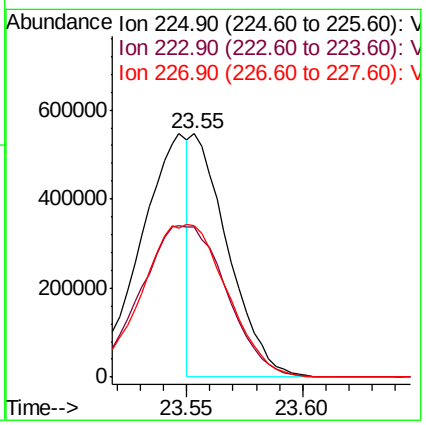


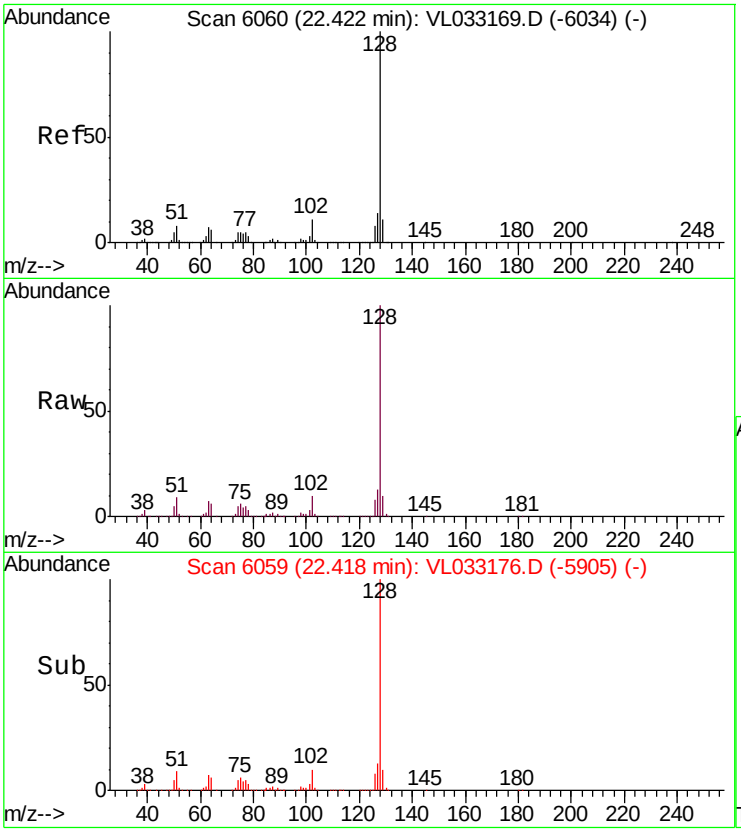


#78
Hexachloro-1,3-Butadiene
Concen: 4.332 ppbv
RT: 23.55 min Scan# 6412
Delta R.T. 0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:225 Resp: 604776

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	75.8#
227	145.6	51.4	77.2#



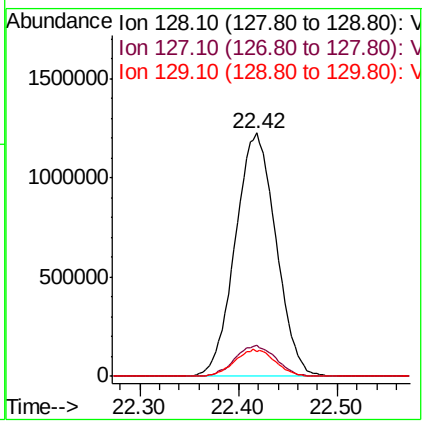


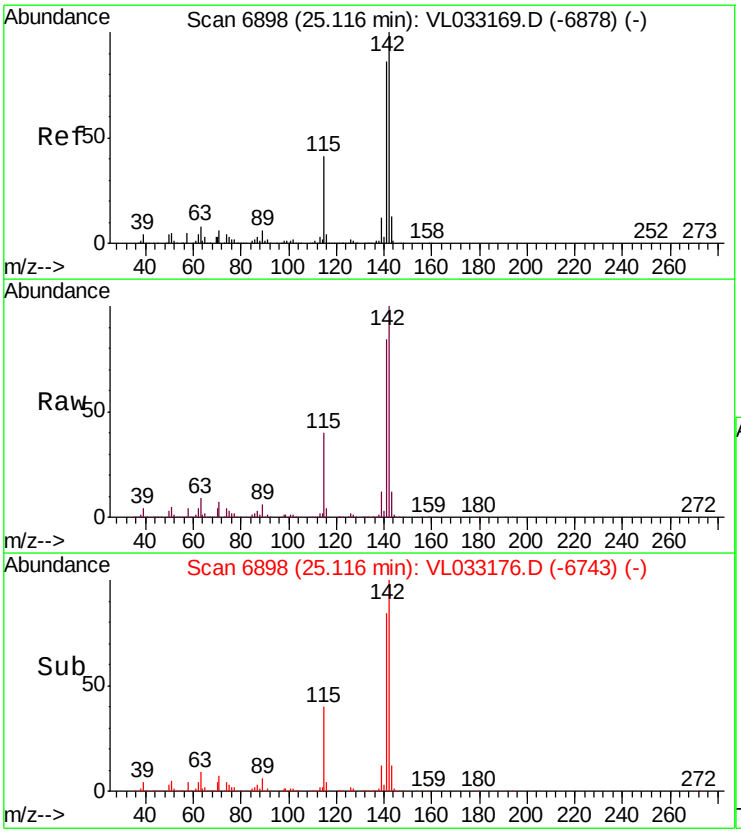
#79
Naphthalene
Concen: 6.628 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion:128 Resp: 3508886

Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.0	16.4
129	10.1	8.6	12.8

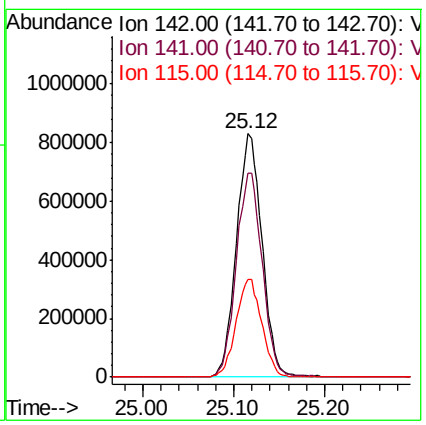


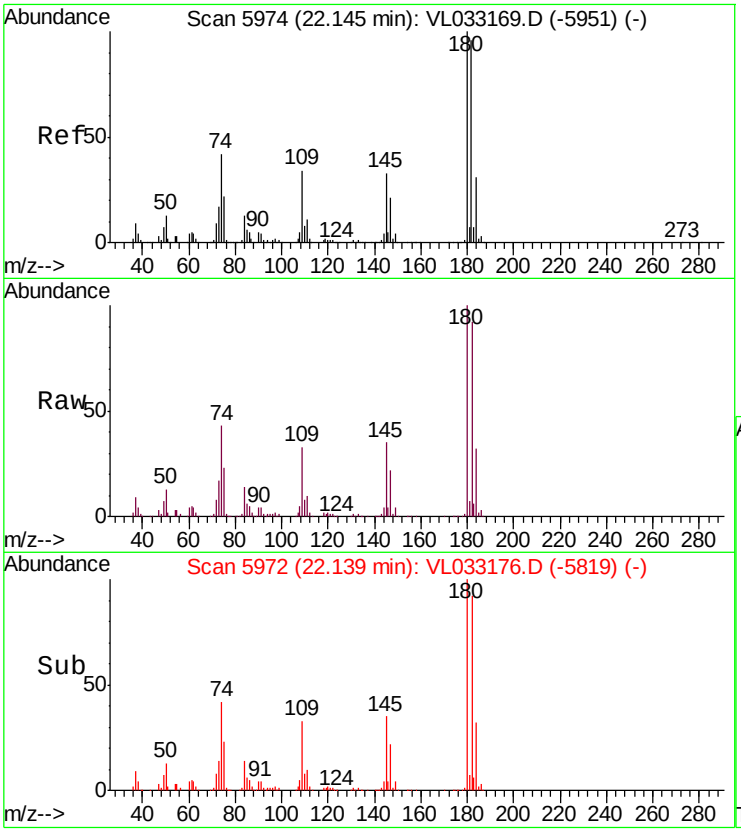


#80
Naphthalene,2-methyl-
Concen: 6.053 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Tgt Ion:142 Resp: 1620870

Ion	Ratio	Lower	Upper
142	100		
141	85.6	67.7	101.5
115	40.4	32.7	49.1





#81
1,2,4-Trichlorobenzene
Concen: 6.434 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.01 min
Lab File: VL033176.D
Acq: 6 Feb 2019 6:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020519

Tgt Ion:180 Resp: 1730249

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.8
184	30.5	24.3	36.5