Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050719\
Data File : VL033677.D
Acq On : 7 May 2019 10:51
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: May 08 03:18:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1017746	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2445612	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2667251m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2033519	9.30	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1676153	7.022	ppbv	100
3) Chlorodifluoromethane	3.01	51	1215692	8.271	ppbv	99
4) Chloromethane	3.17	50	649348	8.498	ppbv	99
5) Vinyl Chloride	3.29	62	661720	8.907	ppbv	100
6) Bromomethane	3.51	94	422897	8.961	ppbv	95
7) Chloroethane	3.60	64	244111	9.051	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1629770	8.295	ppbv	99
9) Propene	3.03	41	511137	9.122	ppbv	99
10) Heptane	8.24	43	1297605	9.383	ppbv	98
11) Trichlorofluoromethane	4.00	101	1916387	8.598	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1289940	8.608	ppbv	100
13) Ethanol	3.65	45	149755	8.904	ppbv	96
14) Bromoethene	3.79	108	545594	9.237	ppbv	99
15) Acetone	3.90	43	1251128	8.263	ppbv	97
16) 1,3-Butadiene	3.36	39	552122	8.503	ppbv	96
17) tert-Butyl alcohol	4.35	59	1142721	9.937	ppbv	100
18) 1,1-Dichloroethene	4.35	96	585484	9.050	ppbv	97
19) Isopropyl Alcohol	4.02	45	901535	9.692	ppbv #	98
20) Methylene Chloride	4.40	84	488238	8.493	ppbv	99
21) Allyl Chloride	4.47	41	848571	9.259	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	601256	9.258	ppbv	97
23) Vinyl Acetate	5.15	43	1986307	10.096	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1356555	9.115	ppbv	99
25) Ethyl Acetate	5.76	43	2327059	9.447	ppbv	100
26) Hexane	5.77	57	1023648	9.668	ppbv	100
27) Carbon Disulfide	4.62	76	1441271	9.951	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1782592	9.995	ppbv	100
29) Chloroform	5.84	83	1751935	9.202	ppbv	99
30) Cyclohexane	7.24	84	879387	9.889	ppbv	99
31) cis-1,2-Dichloroethene	5.63	61	1075543	10.210	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1759695	8.951	ppbv	100
34) 2-Butanone	5.32	43	1547788	9.883	ppbv	98
35) Carbon Tetrachloride	7.13	117	1859032	9.249	ppbv	98
36) Benzene	7.00	78	2115921	9.649	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1335302	8.727	ppbv	100
38) Trichloroethene	7.96	130	864747	10.750	ppbv	96
39) 1,2-Dichloropropane	7.73	63	793006	9.703	ppbv	99
40) 1,4-Dioxane	7.95	88	329040	10.073	ppbv	90
41) Tetrahydrofuran	6.14	42	871893	10.773	ppbv	99
42) Bromodichloromethane	7.91	83	1896579	9.600	ppbv	96
43) Methyl Methacrylate	8.13	69	865914	10.497	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050719\
Data File : VL033677.D
Acq On : 7 May 2019 10:51
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: May 08 03:18:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3566398	9.511	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	1202961	11.882	ppbv		98
46) cis-1,3-Dichloropropene	8.83	75	1355446	10.727	ppbv		99
47) 1,1,2-Trichloroethane	9.62	97	906733	9.660	ppbv		98
48) Dibromochloromethane	10.44	129	1627377	10.228	ppbv		100
49) Bromoform	13.20	173	1441101	10.427	ppbv		100
50) 4-Methyl-2-Pentanone	8.86	43	2324643	9.803	ppbv		100
51) 2-Hexanone	10.26	43	1918596	10.443	ppbv	#	99
52) Tetrachloroethene	11.37	164	824223	10.609	ppbv		97
53) Toluene	9.94	91	2521582	10.642	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1448934	10.248	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.27	131	1102476	8.961	ppbv		100
57) Chlorobenzene	12.30	112	1935876	8.840	ppbv		99
58) Ethyl Benzene	12.86	91	3450929	9.921	ppbv		99
59) m/p-Xylene	13.15	91	5696971m	18.595	ppbv		
60) o-Xylene	13.85	91	2882464	9.297	ppbv		99
61) Styrene	13.68	104	2184990	10.583	ppbv		99
62) Isopropylbenzene	14.82	105	3918249	9.255	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1976101	8.757	ppbv		100
64) n-propylbenzene	15.72	120	999404	9.135	ppbv		98
65) tert-Butylbenzene	16.90	119	3556007	9.157	ppbv		99
66) Benzyl Chloride	17.15	91	1997858	11.309	ppbv		99
67) sec-Butylbenzene	17.45	105	4878859	9.005	ppbv		100
69) p-Isopropyltoluene	17.81	119	3956635	8.863	ppbv		100
70) n-Butylbenzene	18.71	91	4235652	8.947	ppbv		100
71) 2-Chlorotoluene	15.61	91	2961470	9.468	ppbv		100
72) 4-Ethyltoluene	16.00	105	3408728	9.353	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3235368	9.182	ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	3388157	8.650	ppbv		99
75) 1,3-Dichlorobenzene	17.16	146	1959914	8.284	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	1962302	8.740	ppbv		100
77) 1,2-Dichlorobenzene	17.98	146	1790186	8.168	ppbv		99
78) Hexachloro-1,3-Butadiene	23.54	225	1405646	8.092	ppbv		100
79) Naphthalene	22.40	128	2789964	7.802	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	1134223	8.390	ppbv		98
81) 1,2,4-Trichlorobenzene	22.13	180	1548908	7.455	ppbv		98

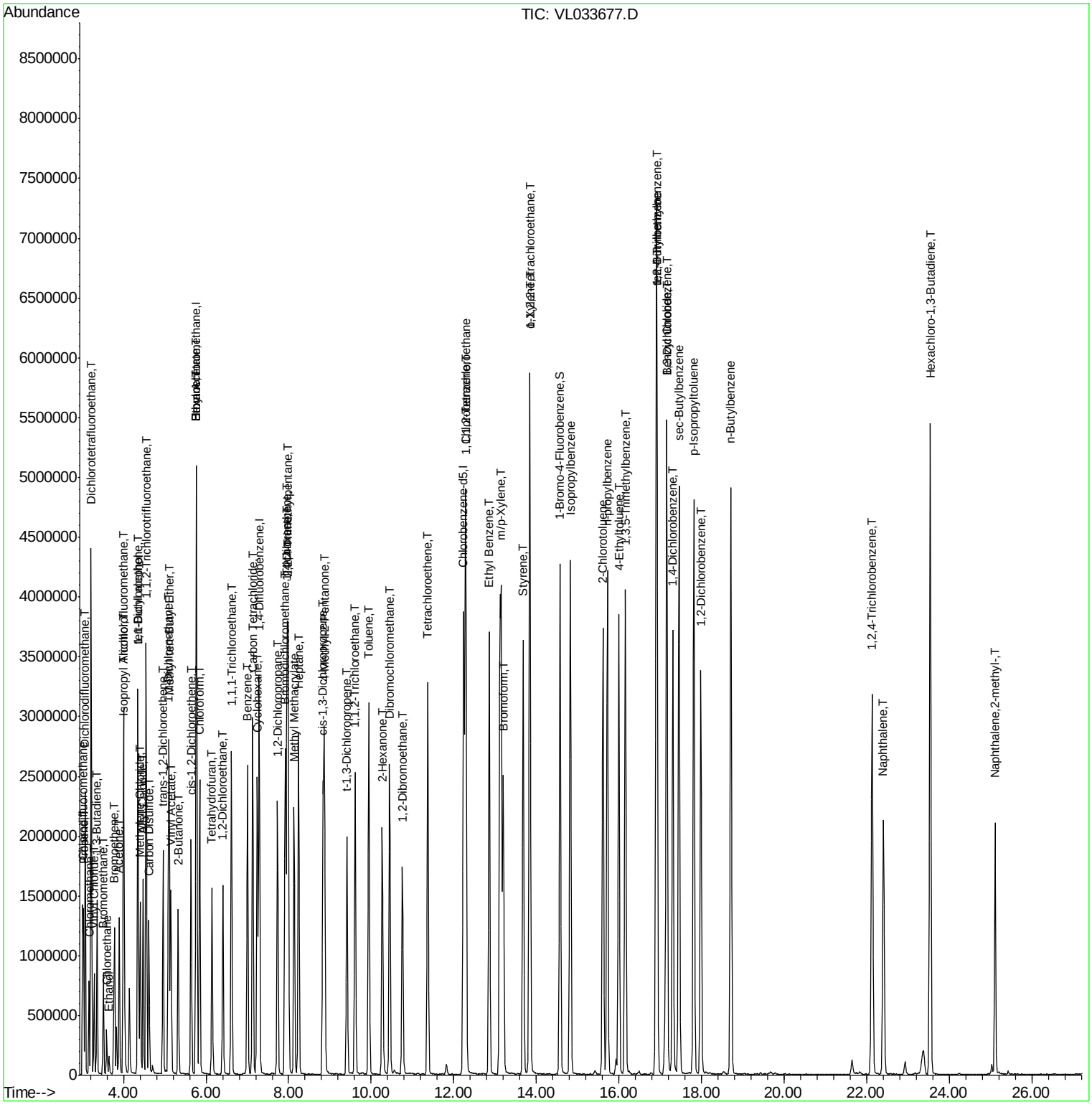
(#) = qualifier out of range (m) = manual integration (+) = signals summed

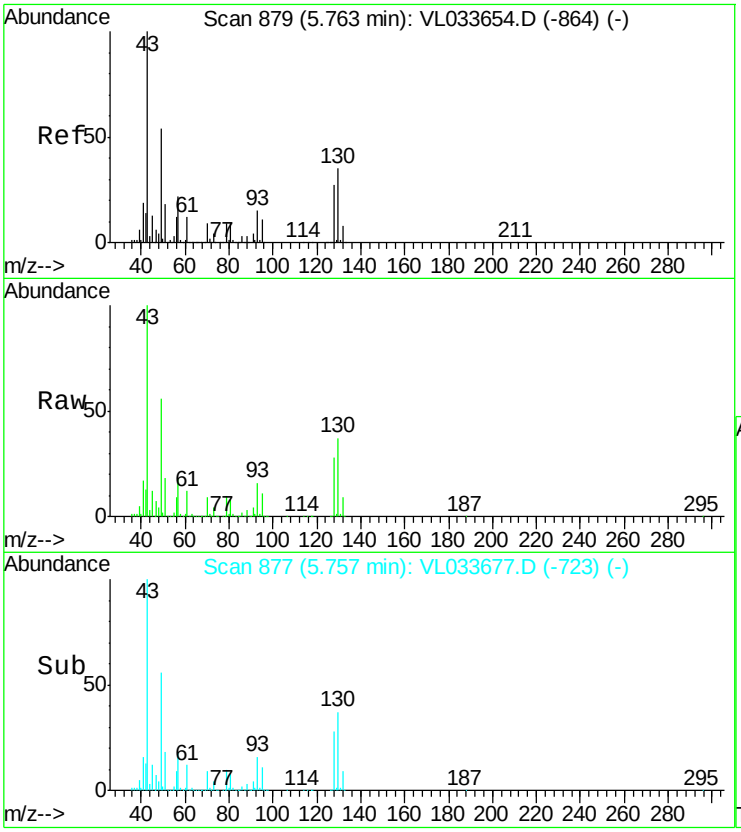
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050719\
Data File : VL033677.D
Acq On : 7 May 2019 10:51
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: May 08 03:18:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration



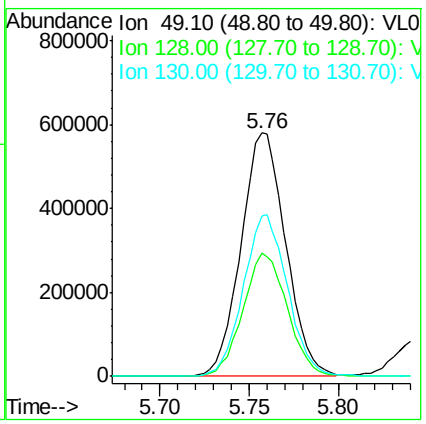


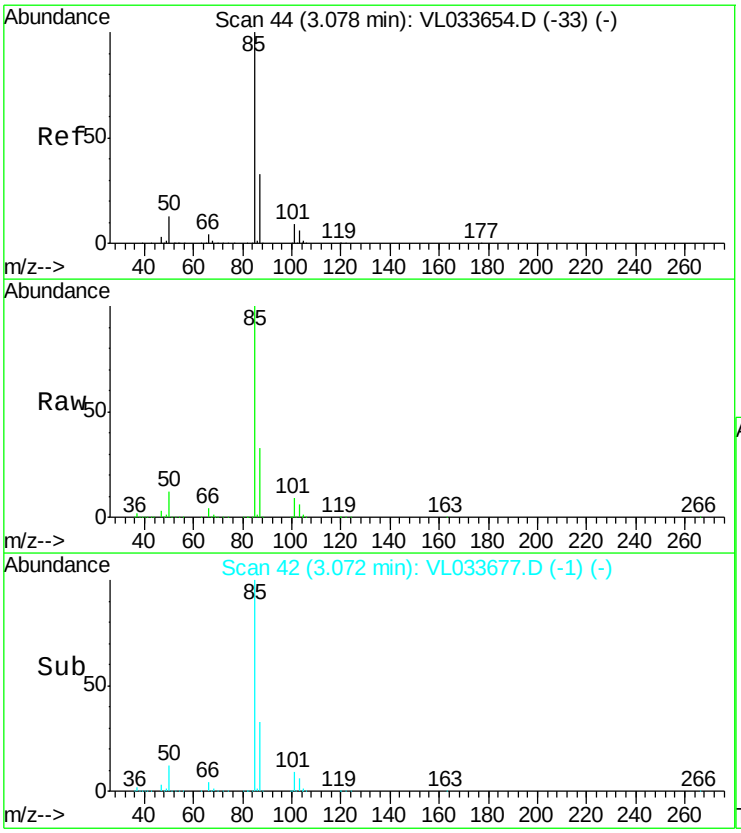
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1017746

Ion	Ratio	Lower	Upper
49	100		
128	50.4	24.8	74.3
130	65.9	32.1	96.5

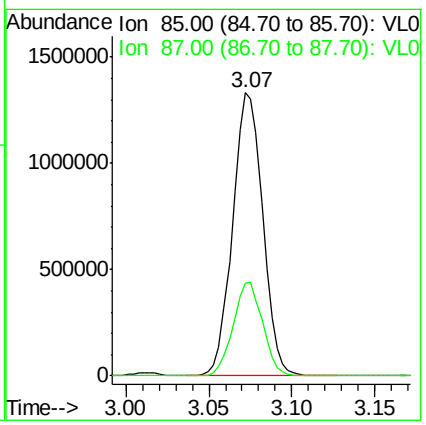


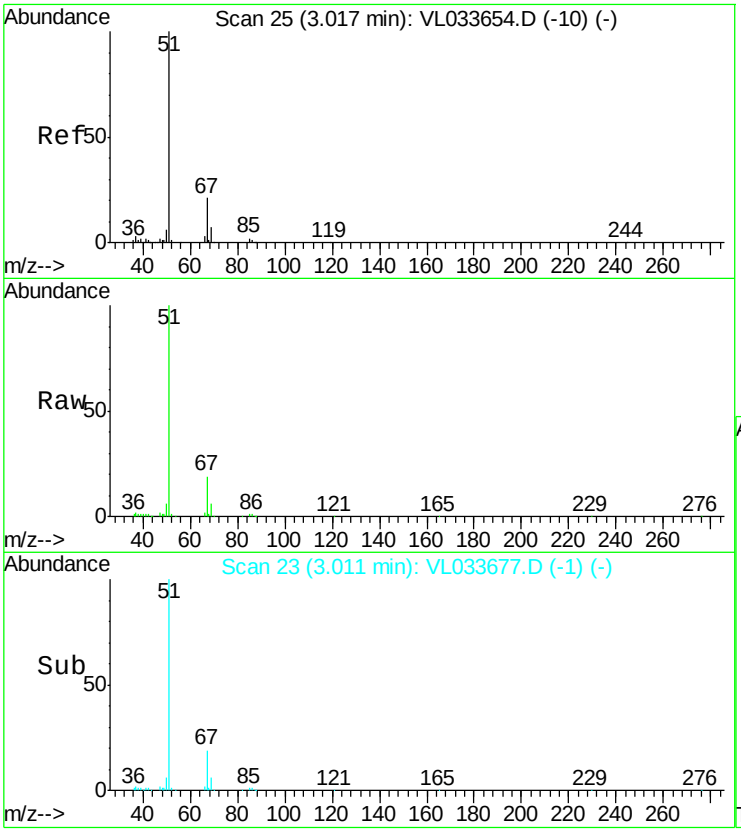


#2
Dichlorodifluoromethane
Concen: 7.022 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 85 Resp: 1676153

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.0	39.0



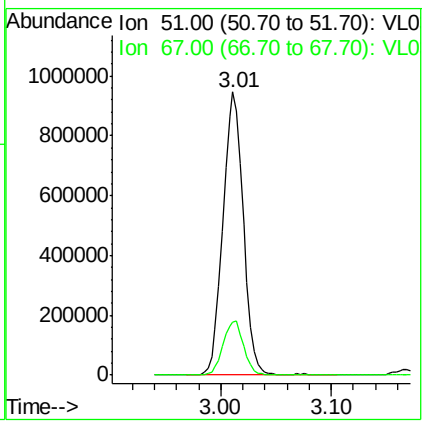


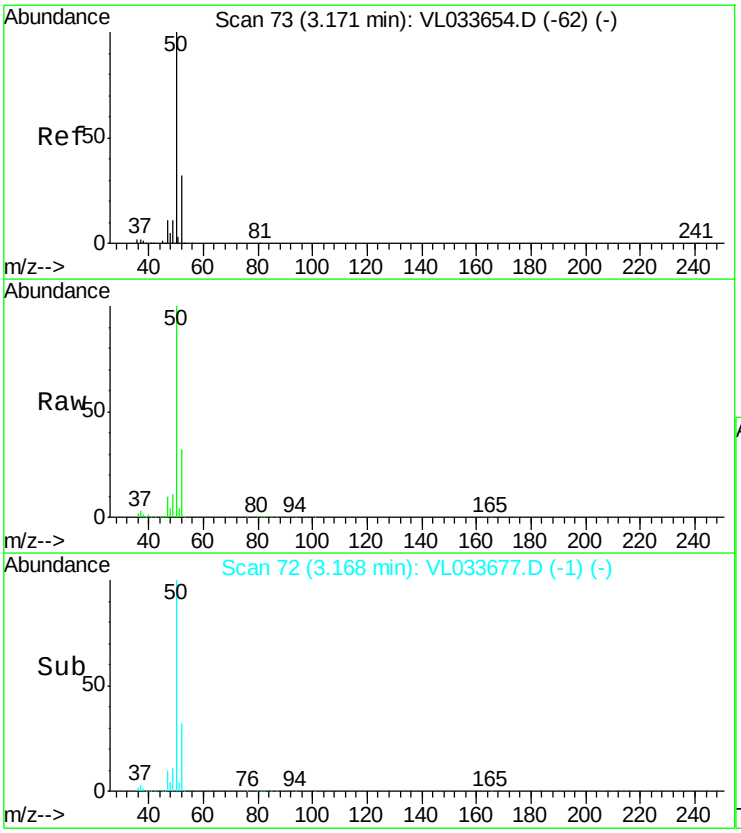
#3
Chlorodifluoromethane
Concen: 8.271 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1215692

Ion	Ratio	Lower	Upper
51	100		
67	19.2	15.7	23.5

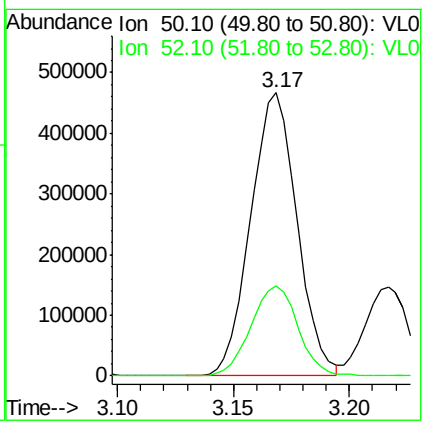


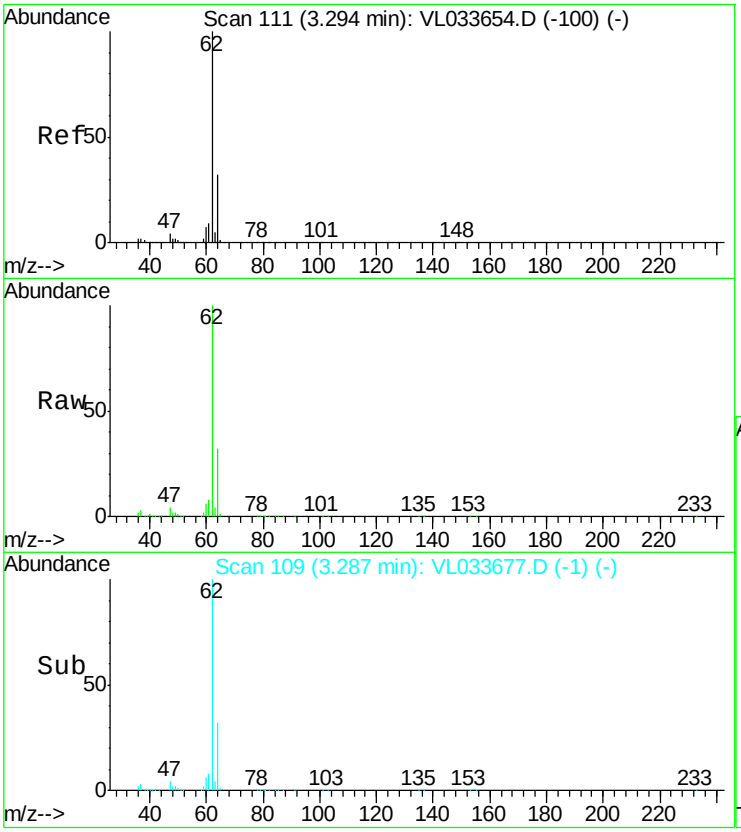


#4
Chloromethane
Concen: 8.498 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 50 Resp: 649348

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.8	38.8



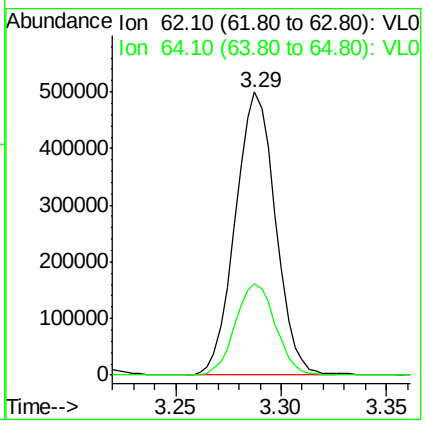


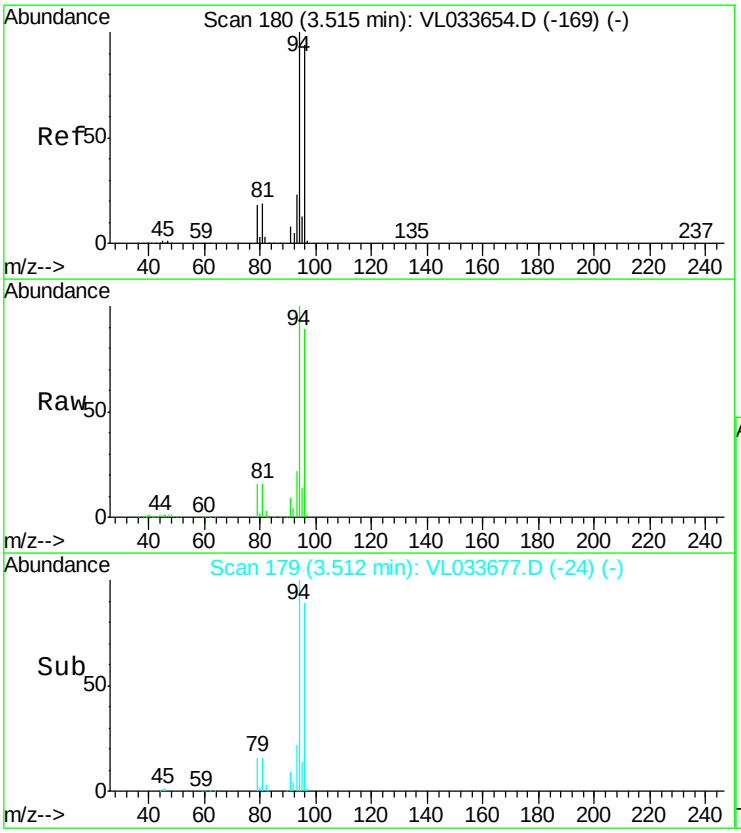
#5
Vinyl Chloride
Concen: 8.907 ppbv
RT: 3.29 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 661720

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.6	38.4

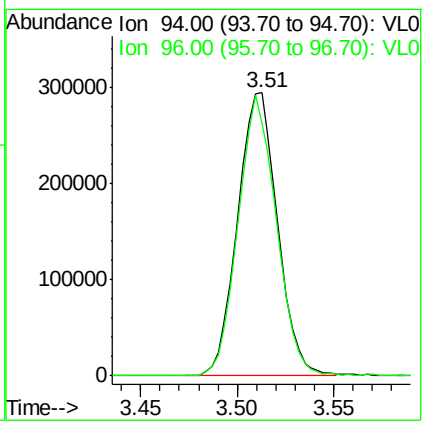


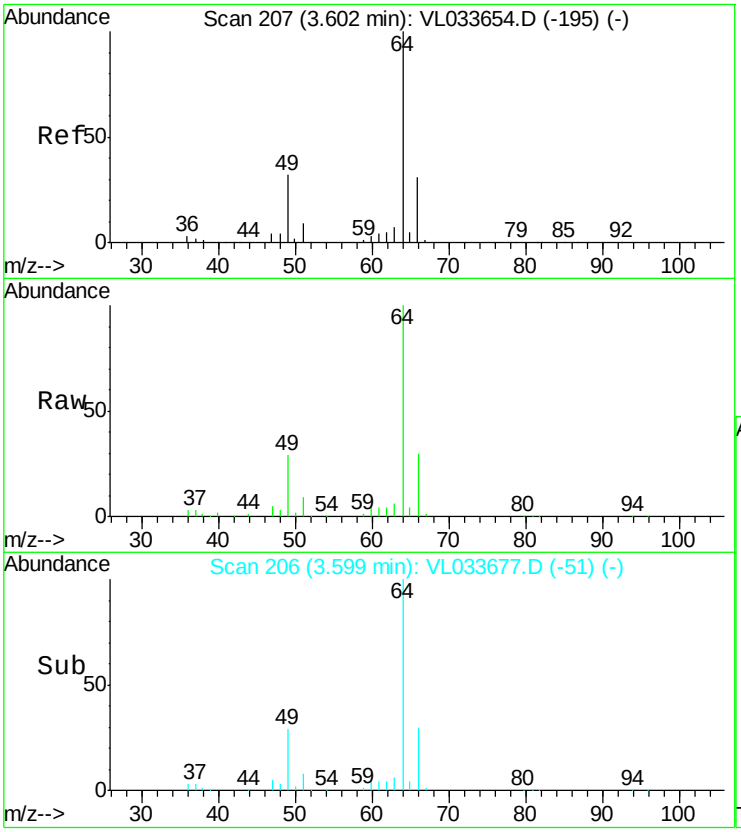


#6
Bromomethane
Concen: 8.961 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 94 Resp: 422897

Ion	Ratio	Lower	Upper
94	100		
96	89.4	75.2	112.8



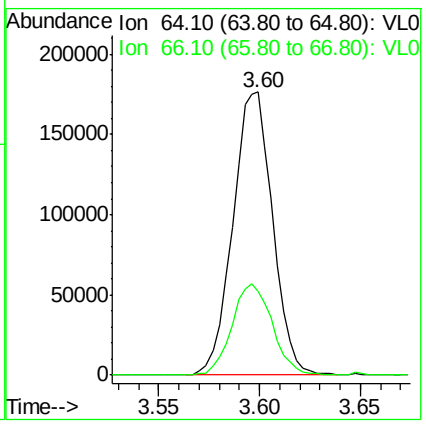


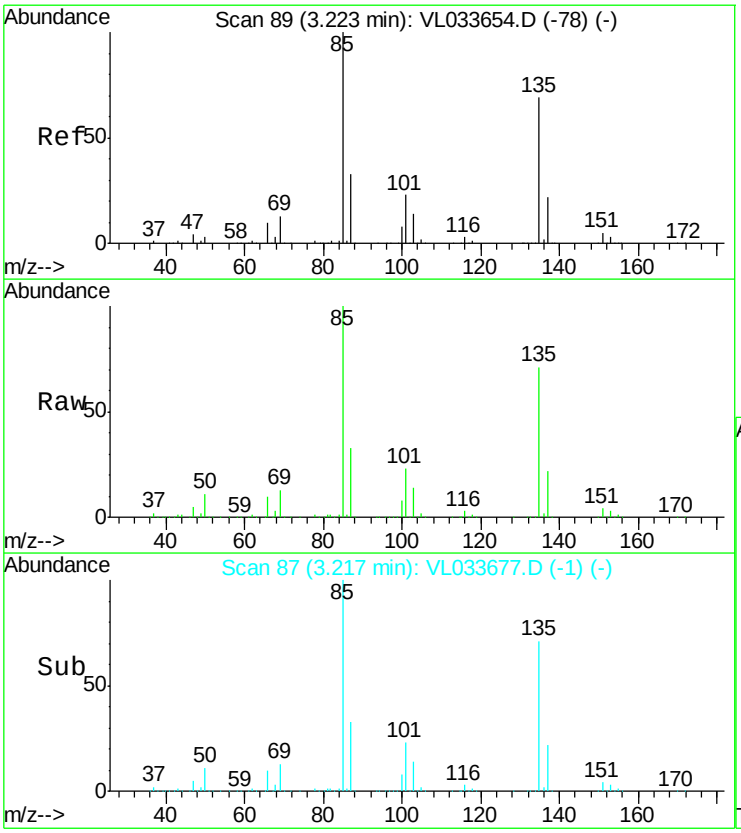
#7
Chloroethane
Concen: 9.051 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 244111

Ion	Ratio	Lower	Upper
64	100		
66	29.6	25.1	37.7

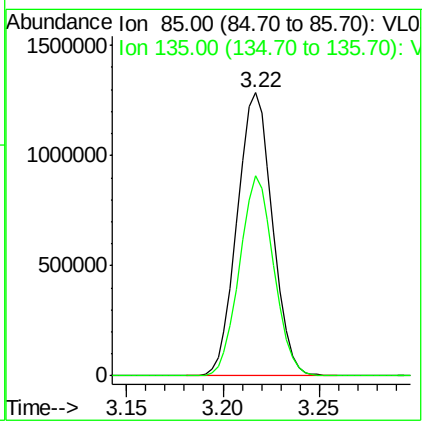


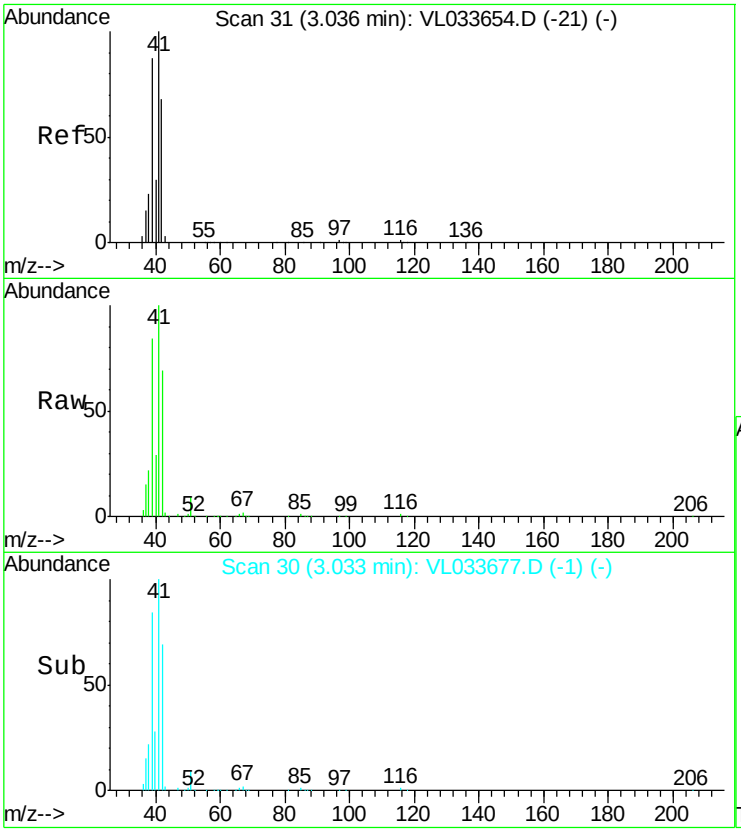


#8
Dichlorotetrafluoroethane
Concen: 8.295 ppbv
RT: 3.22 min Scan# 87
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 85 Resp: 1629770

Ion	Ratio	Lower	Upper
85	100		
135	69.0	54.3	81.5



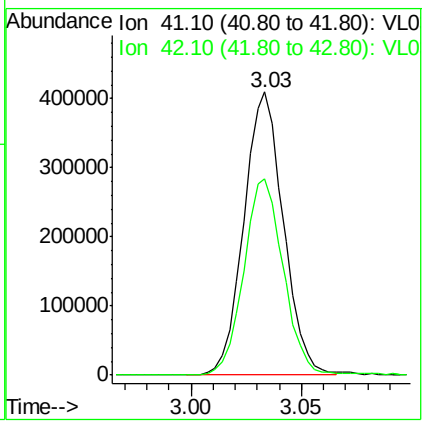


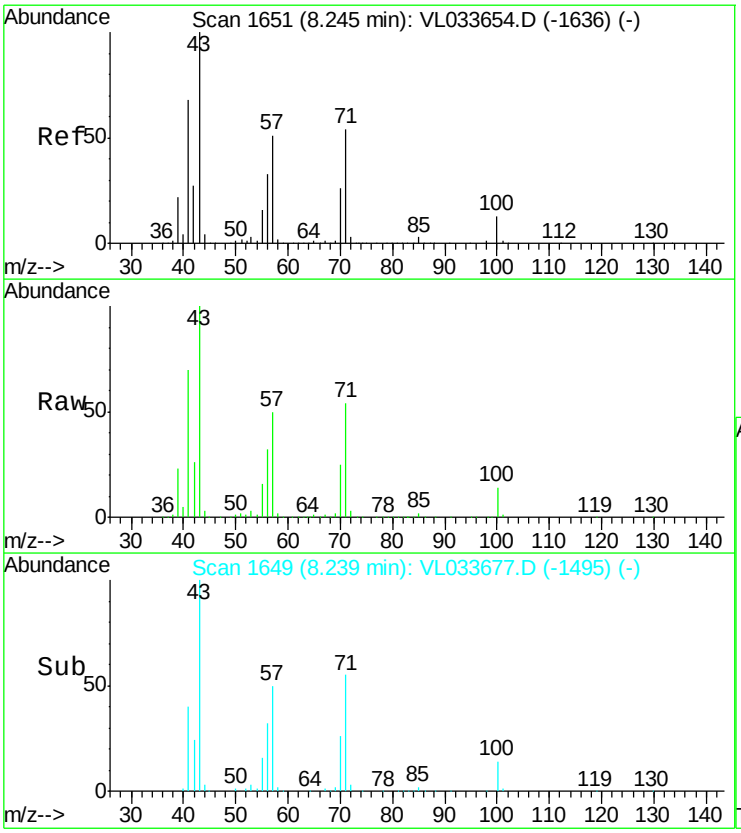
#9
Propene
Concen: 9.122 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 511137

Ion	Ratio	Lower	Upper
41	100		
42	70.0	55.6	83.4

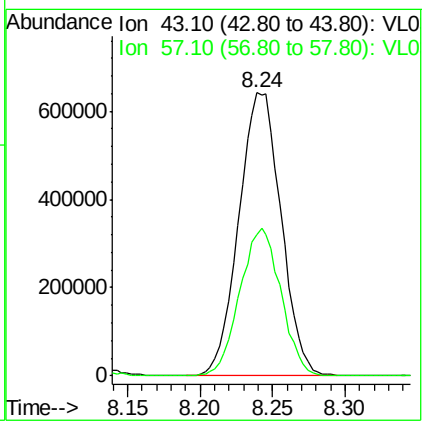


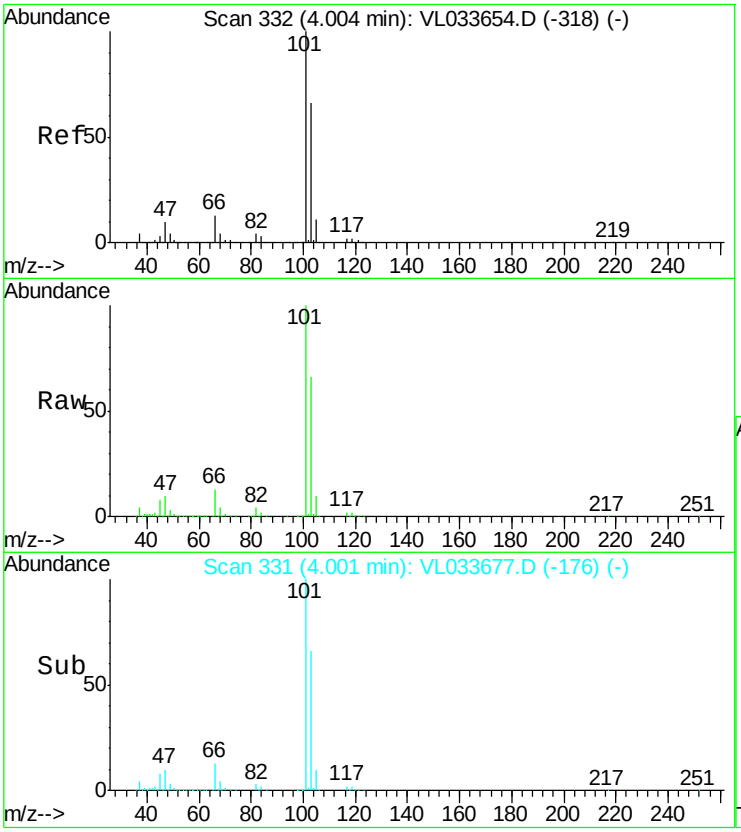


#10
Heptane
Concen: 9.383 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 43 Resp: 1297605

Ion	Ratio	Lower	Upper
43	100		
57	50.8	41.8	62.6



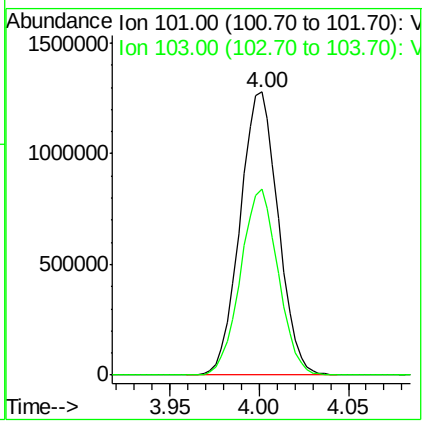


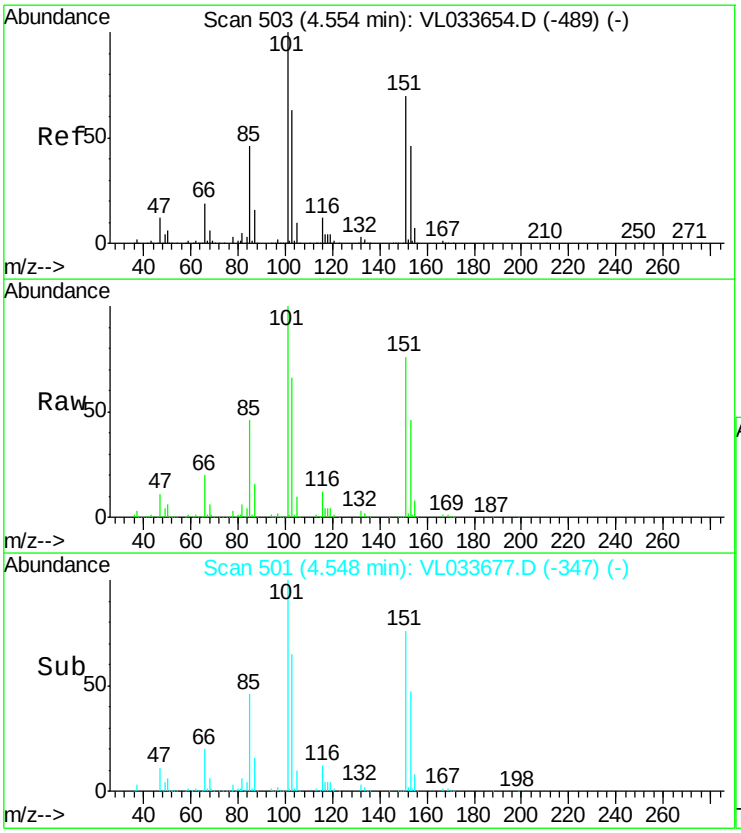
#11
Trichlorofluoromethane
Concen: 8.598 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1916387

Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.7	79.1

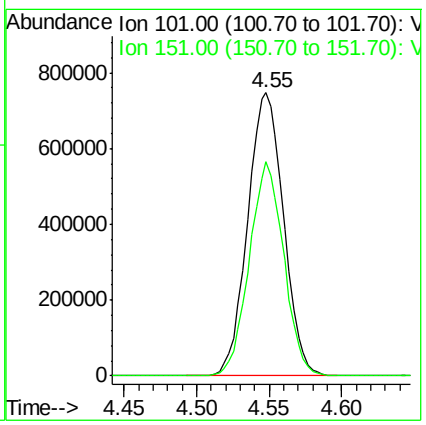


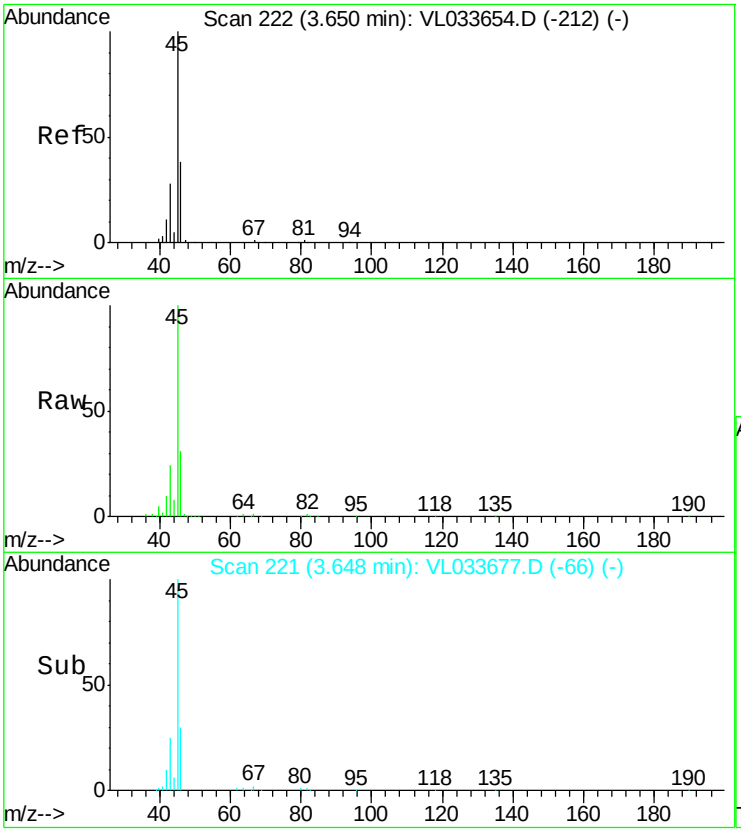


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.608 ppbv
RT: 4.55 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:101 Resp: 1289940

Ion	Ratio	Lower	Upper
101	100		
151	72.6	58.0	87.0



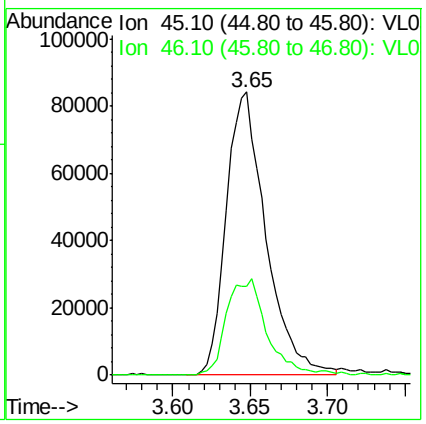


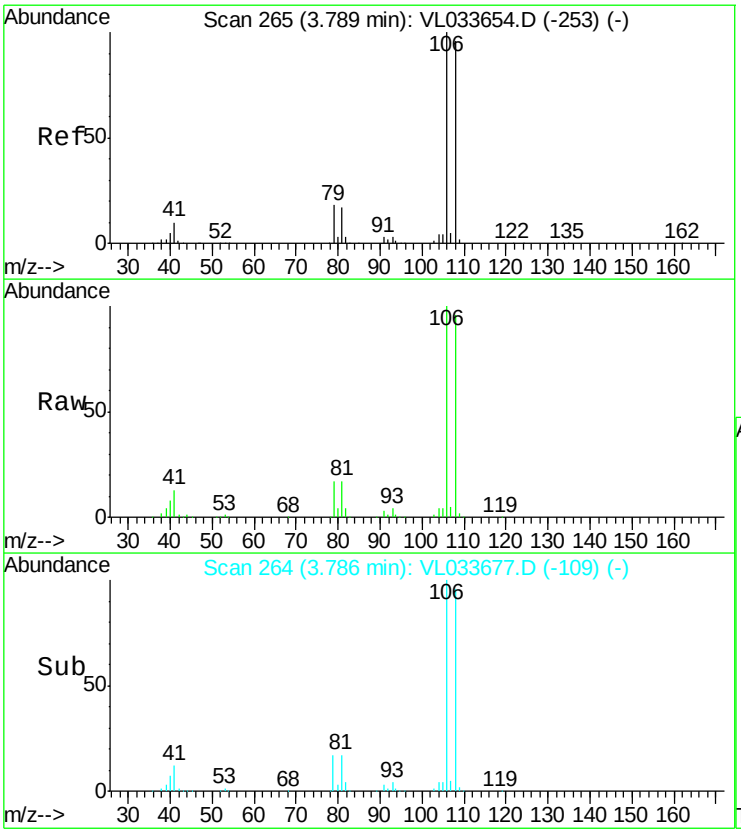
#13
Ethanol
Concen: 8.904 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 149755

Ion	Ratio	Lower	Upper
45	100		
46	35.0	14.9	59.7

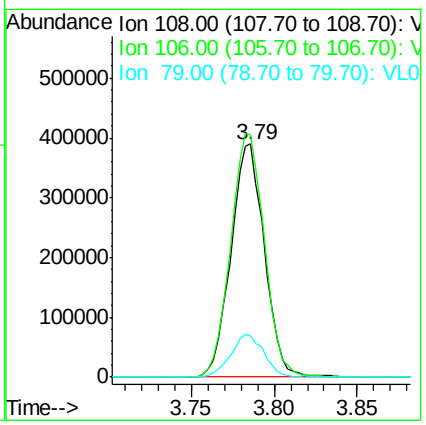


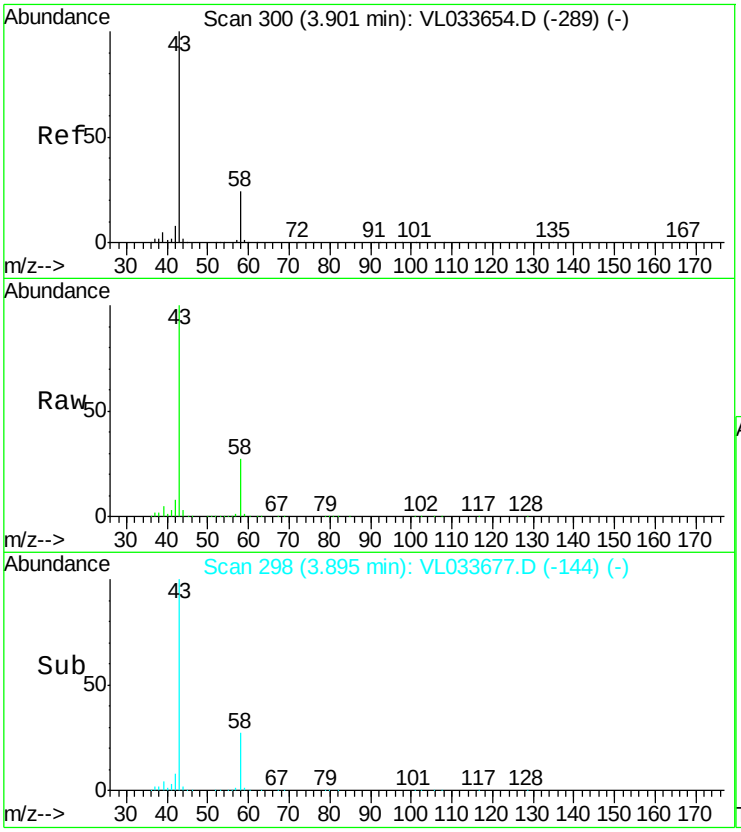


#14
Bromoethene
Concen: 9.237 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:108 Resp: 545594

Ion	Ratio	Lower	Upper
108	100		
106	106.0	85.7	128.5
79	18.6	15.2	22.8



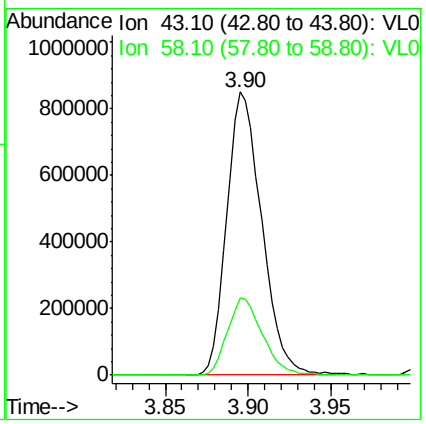


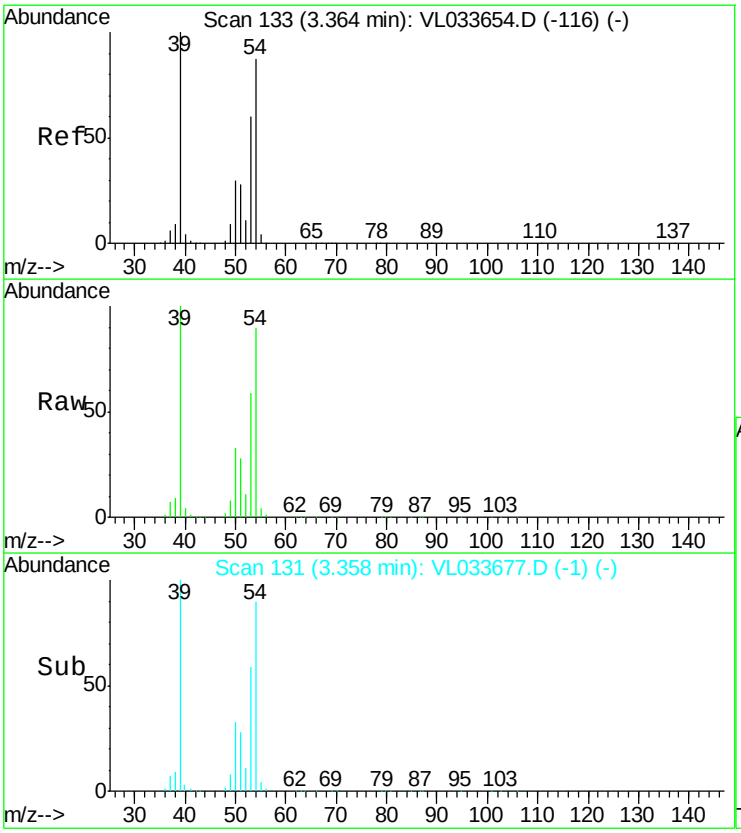
#15
Acetone
Concen: 8.263 ppbv
RT: 3.90 min Scan# 298
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1251128

Ion	Ratio	Lower	Upper
43	100		
58	27.4	20.9	31.3

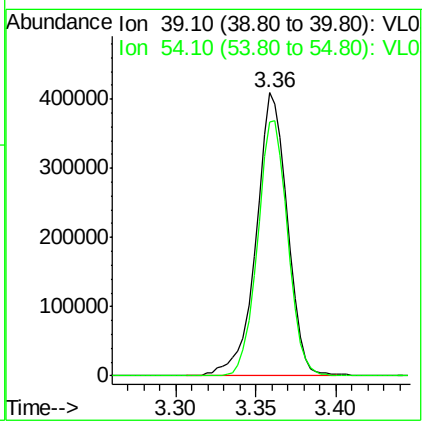


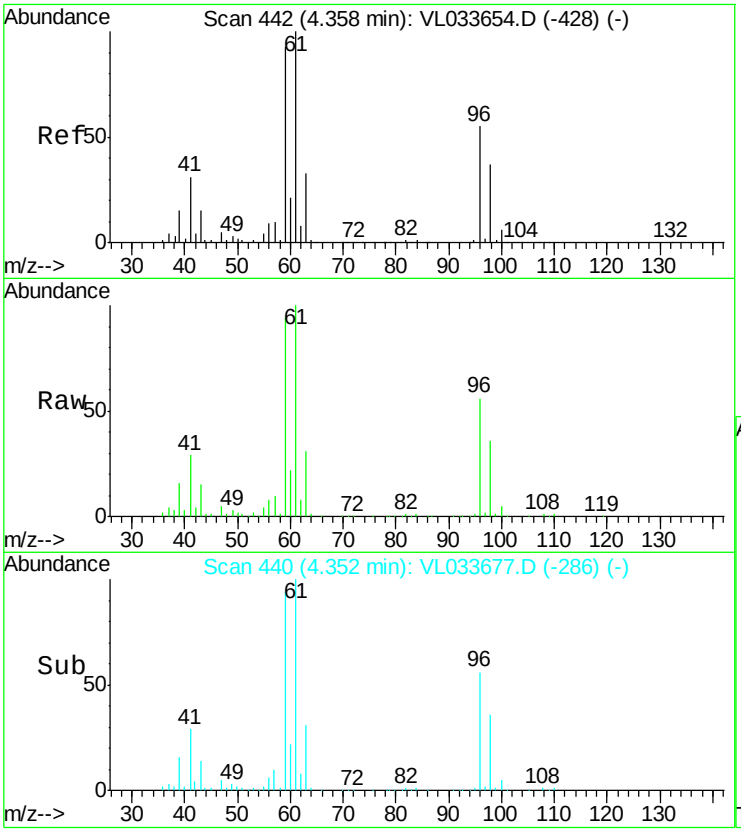


#16
1,3-Butadiene
Concen: 8.503 ppbv
RT: 3.36 min Scan# 131
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 39 Resp: 552122

Ion	Ratio	Lower	Upper
39	100		
54	87.4	67.0	100.4



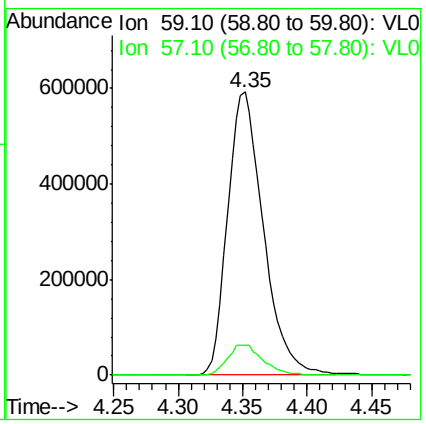


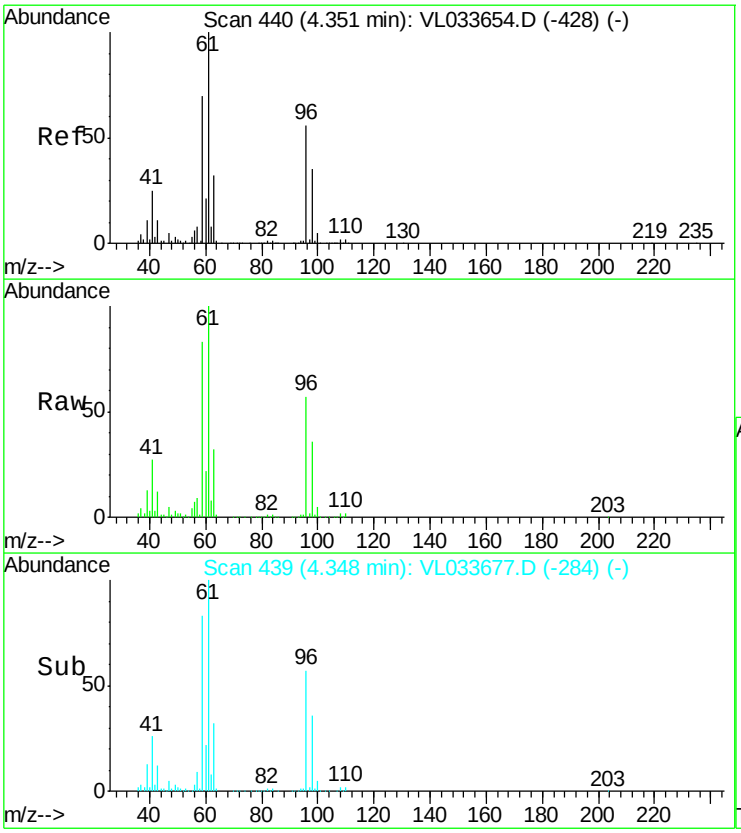
#17
tert-Butyl alcohol
Concen: 9.937 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1142721

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

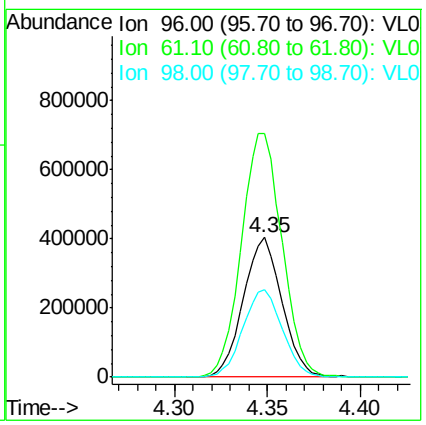


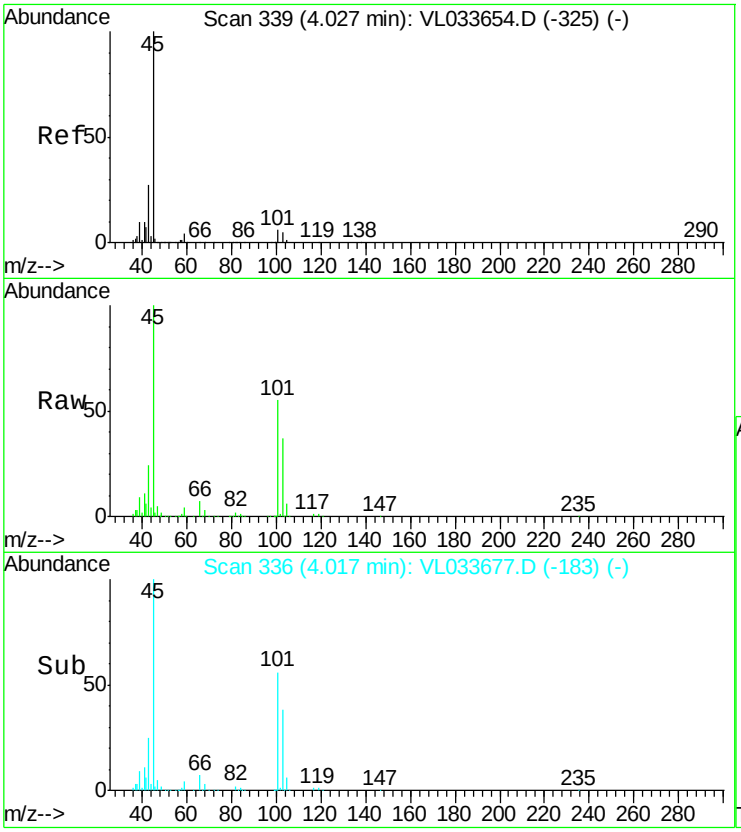


#18
1,1-Dichloroethene
Concen: 9.050 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 96 Resp: 585484

Ion	Ratio	Lower	Upper
96	100		
61	174.4	143.4	215.0
98	62.4	50.4	75.6



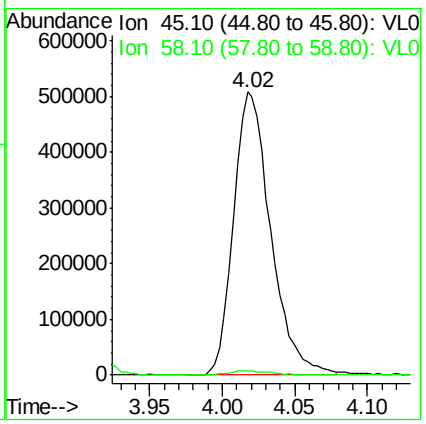


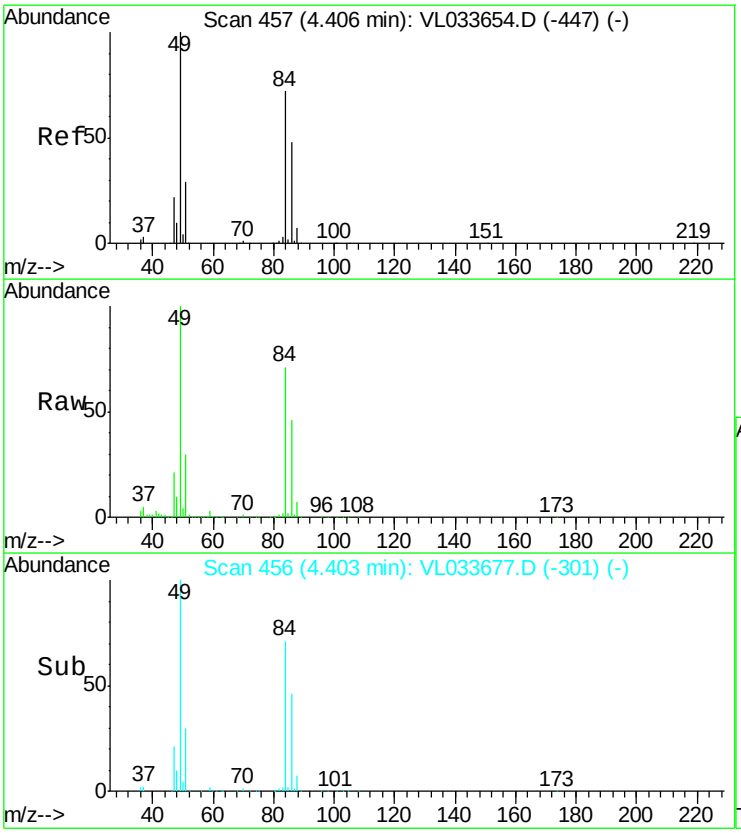
#19
Isopropyl Alcohol
Concen: 9.692 ppbv
RT: 4.02 min Scan# 336
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 901535

Ion	Ratio	Lower	Upper
45	100		
58	1.7	2.0	3.0#

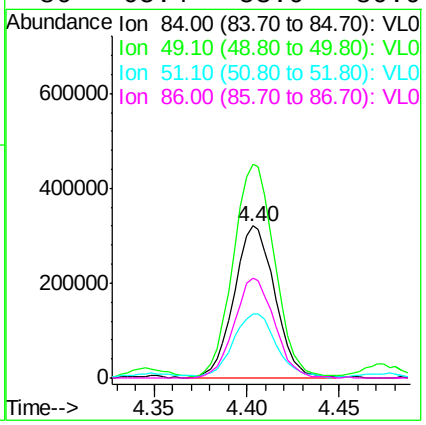


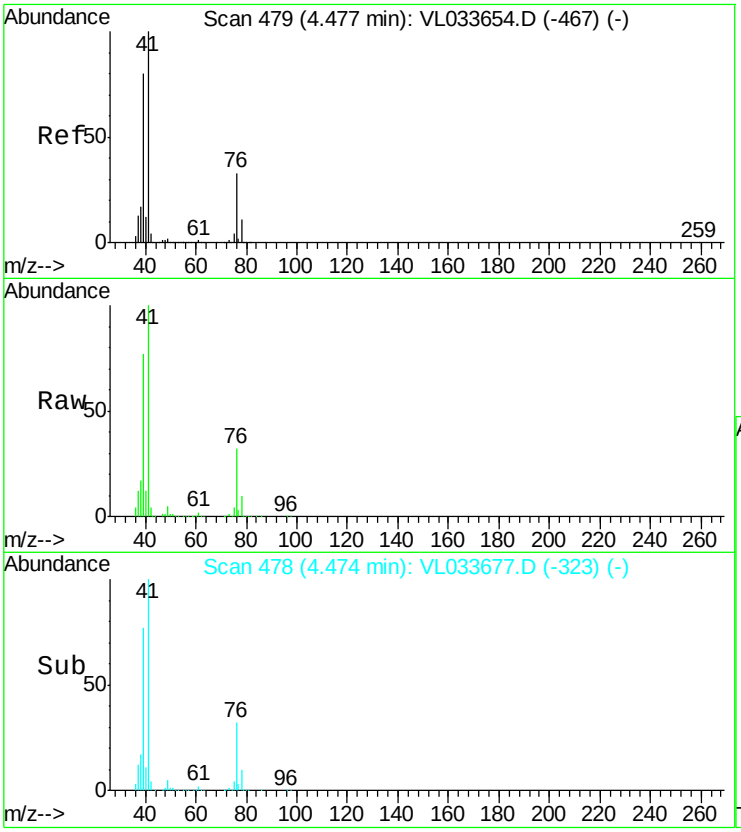


#20
Methylene Chloride
Concen: 8.493 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 84 Resp: 488238

Ion	Ratio	Lower	Upper
84	100		
49	139.7	111.8	167.6
51	41.7	32.3	48.5
86	65.4	53.9	80.9



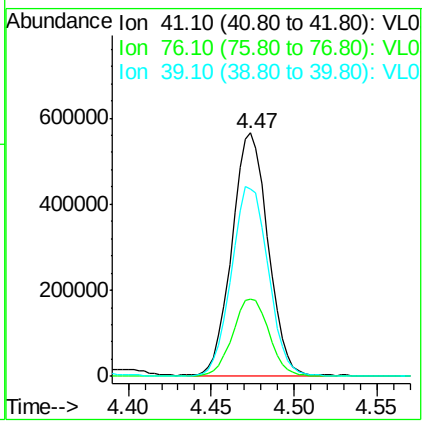


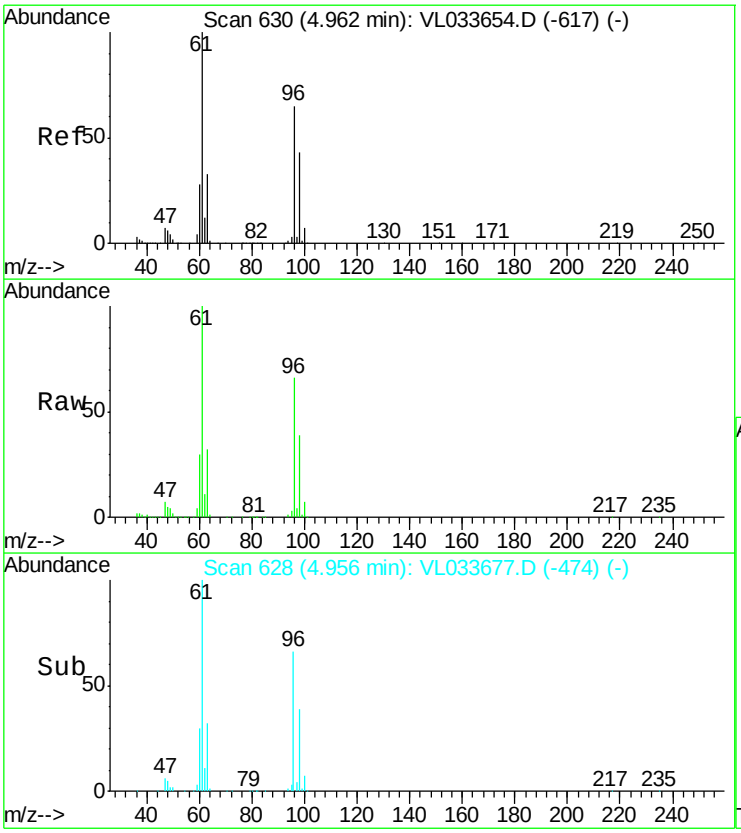
#21
Allyl Chloride
Concen: 9.259 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 848571

Ion	Ratio	Lower	Upper
41	100		
76	32.7	26.0	39.0
39	80.8	64.4	96.6

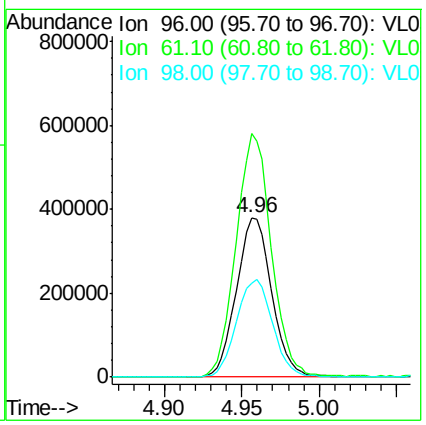


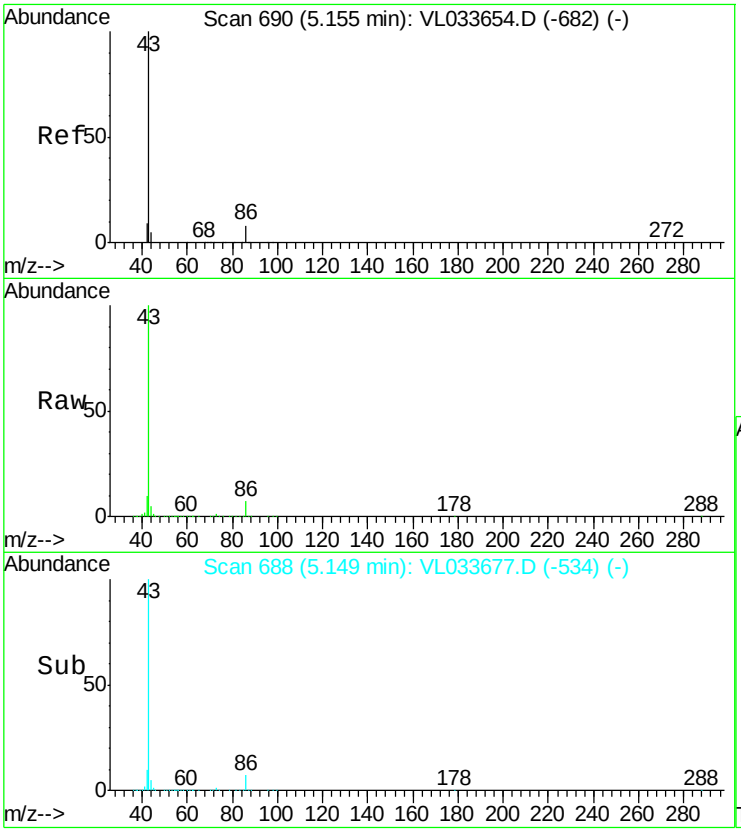


#22
trans-1,2-Dichloroethene
Concen: 9.258 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 96 Resp: 601256

Ion	Ratio	Lower	Upper
96	100		
61	152.7	123.1	184.7
98	59.2	52.6	79.0



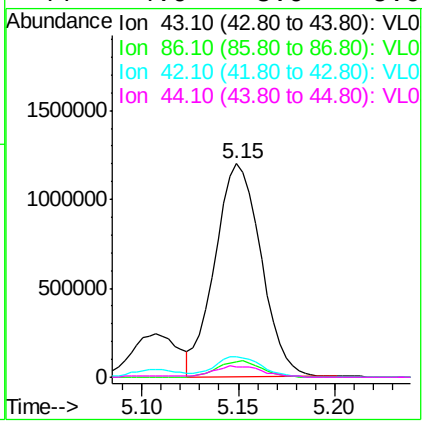


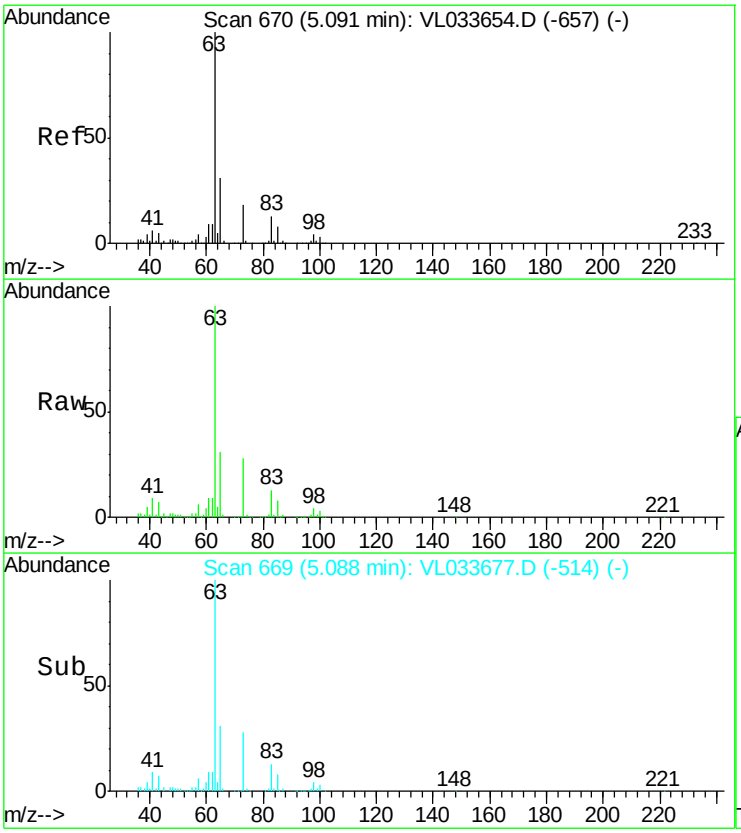
#23
Vinyl Acetate
Concen: 10.096 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1986307

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.0	9.0
42	9.7	8.0	12.0
44	4.9	3.9	5.9

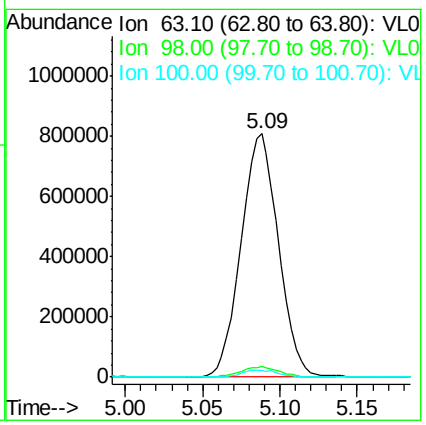


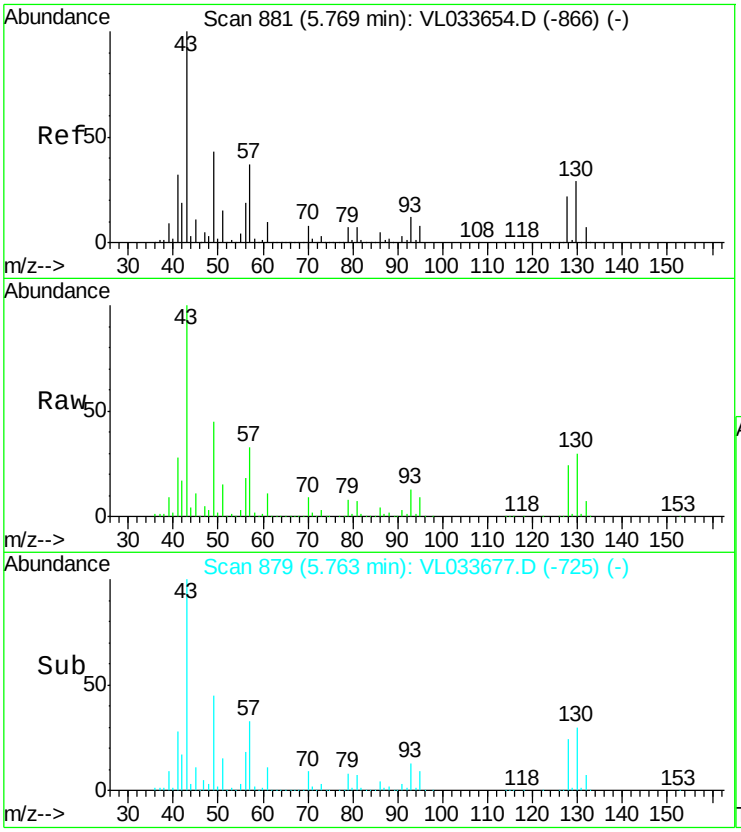


#24
1,1-Dichloroethane
Concen: 9.115 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 63 Resp: 1356555

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.2
100	2.7	1.5	4.4



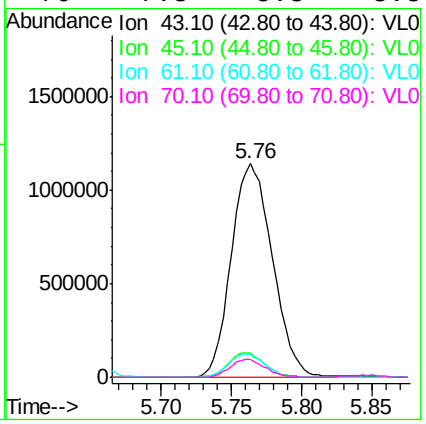


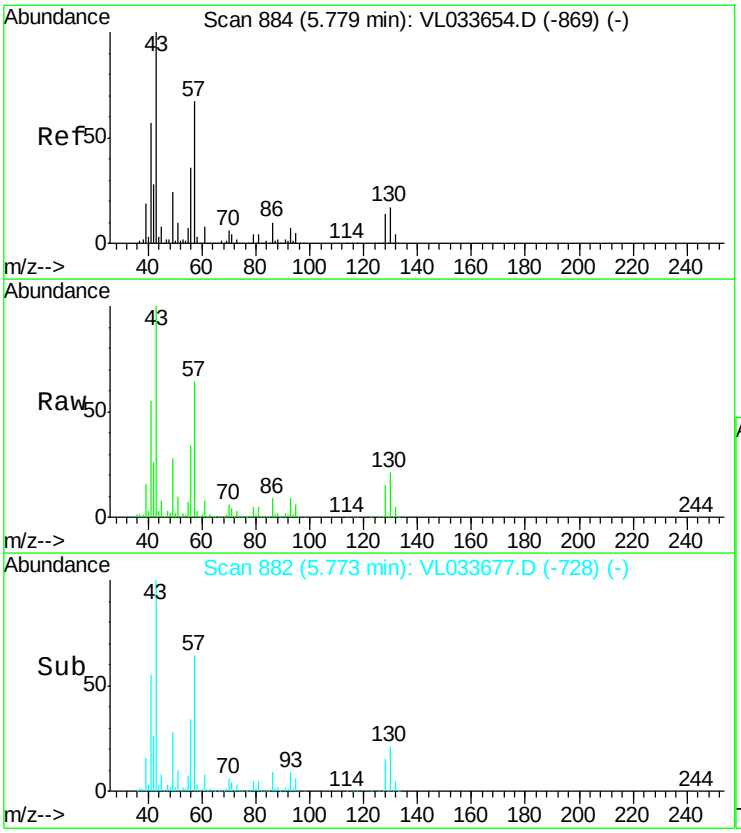
#25
Ethyl Acetate
Concen: 9.447 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2327059

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.6	7.5	11.3
70	7.3	5.8	8.8

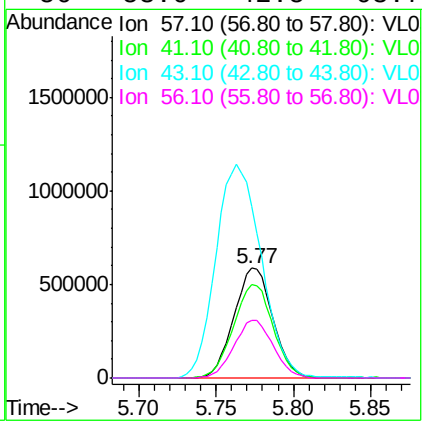


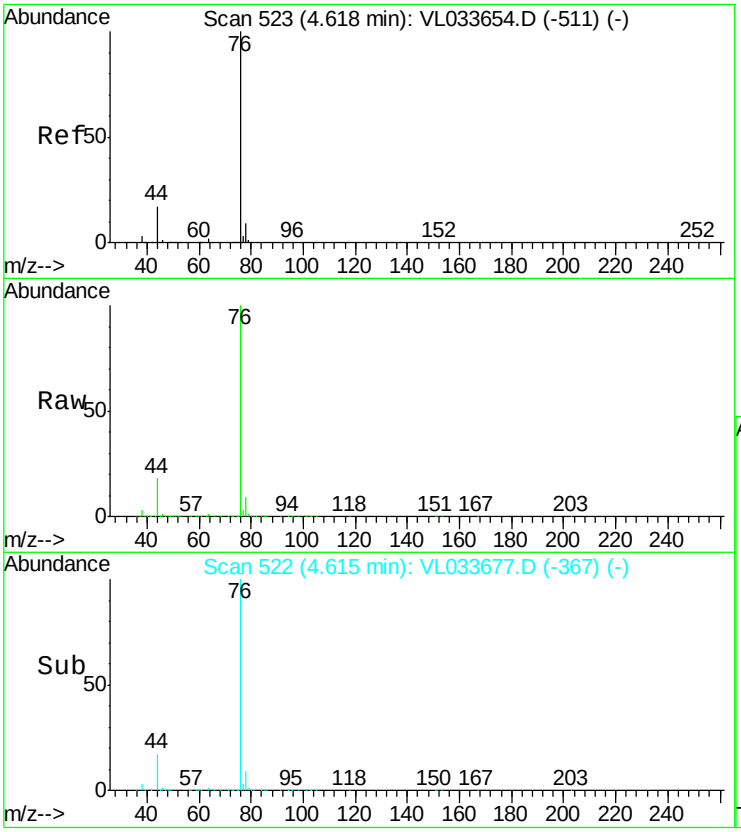


#26
Hexane
Concen: 9.668 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 57 Resp: 1023648

Ion	Ratio	Lower	Upper
57	100		
41	87.1	69.7	104.5
43	227.7	181.9	272.9
56	53.0	42.5	63.7



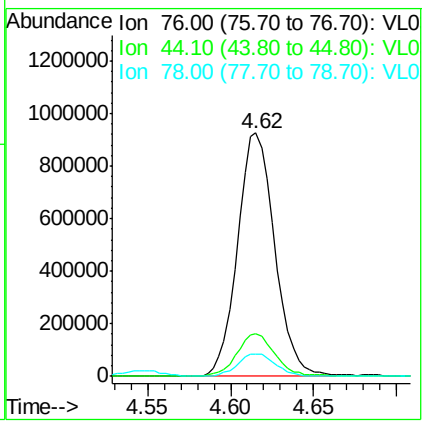


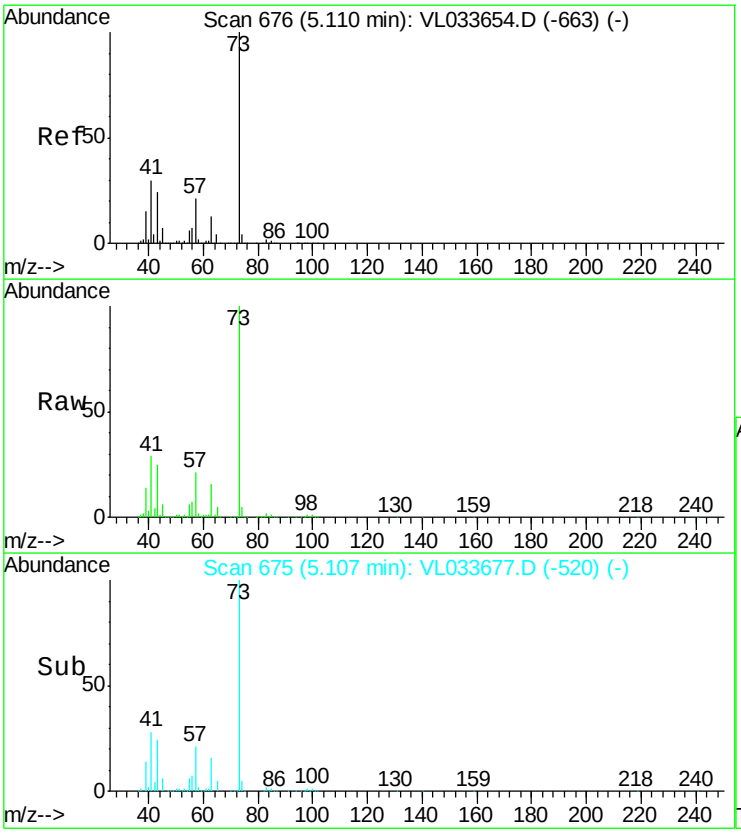
#27
Carbon Disulfide
Concen: 9.951 ppbv
RT: 4.62 min Scan# 522
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1441271

Ion	Ratio	Lower	Upper
76	100		
44	17.6	14.4	21.6
78	9.3	7.4	11.2

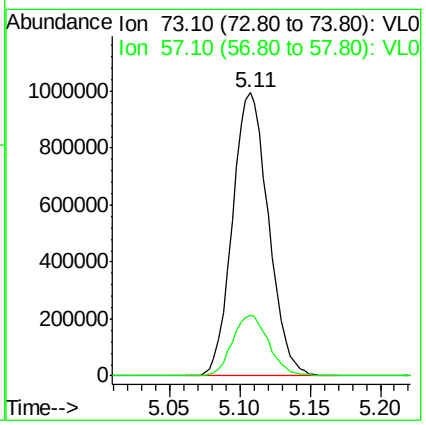


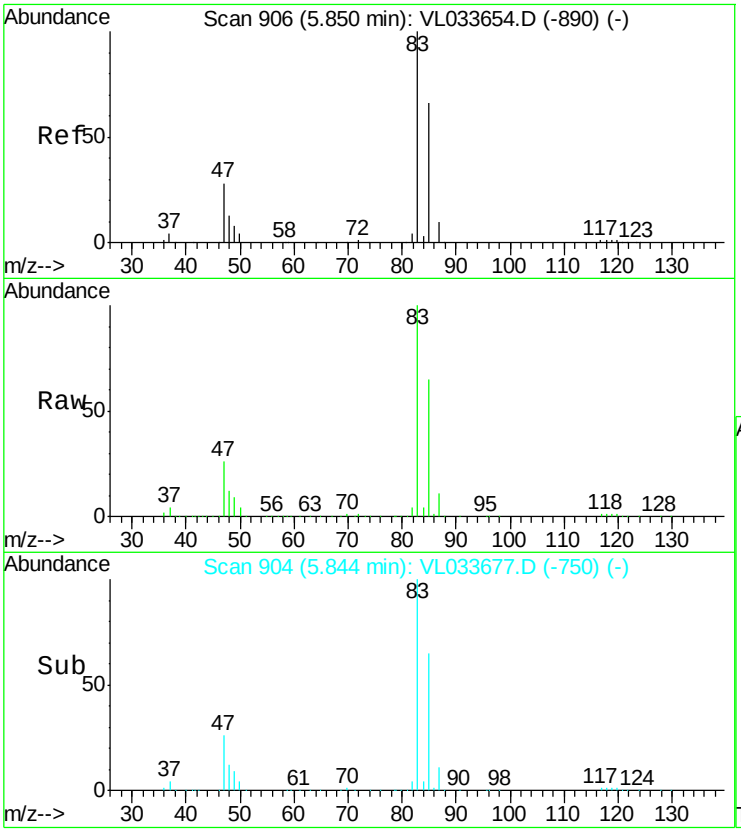


#28
Methyl tert-Butyl Ether
Concen: 9.995 ppbv
RT: 5.11 min Scan# 675
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 73 Resp: 1782592

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.0



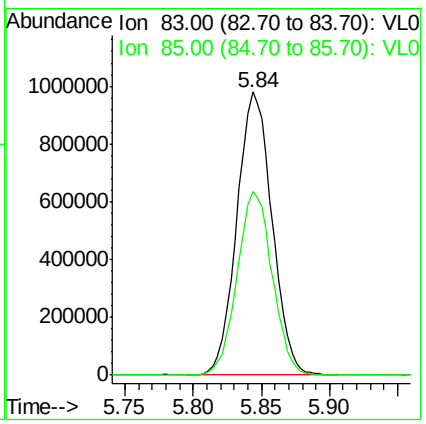


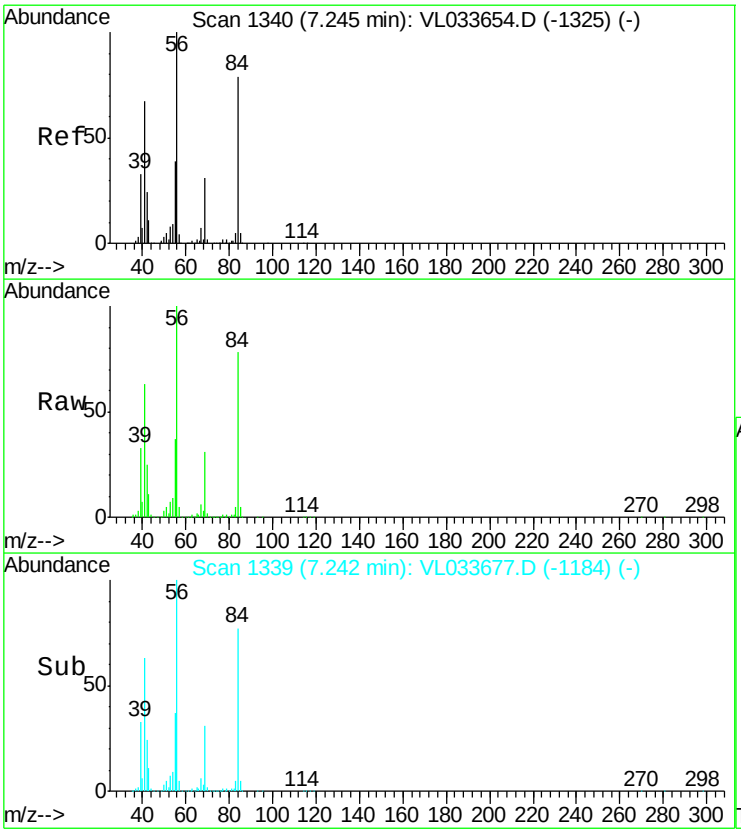
#29
Chloroform
Concen: 9.202 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1751935

Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	78.8

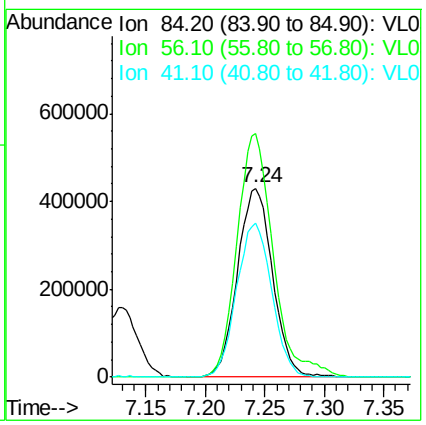


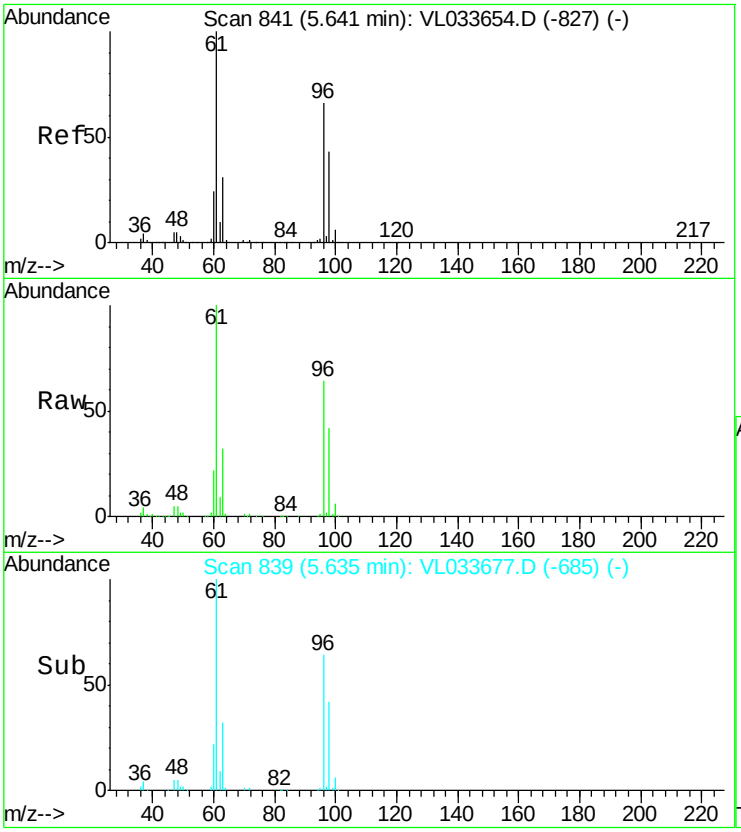


#30
Cyclohexane
Concen: 9.889 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 84 Resp: 879387

Ion	Ratio	Lower	Upper
84	100		
56	133.2	107.0	160.4
41	81.9	66.6	99.8



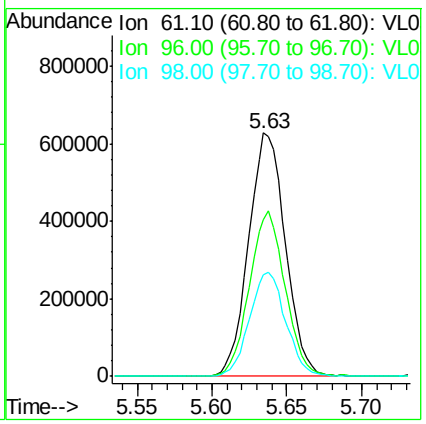


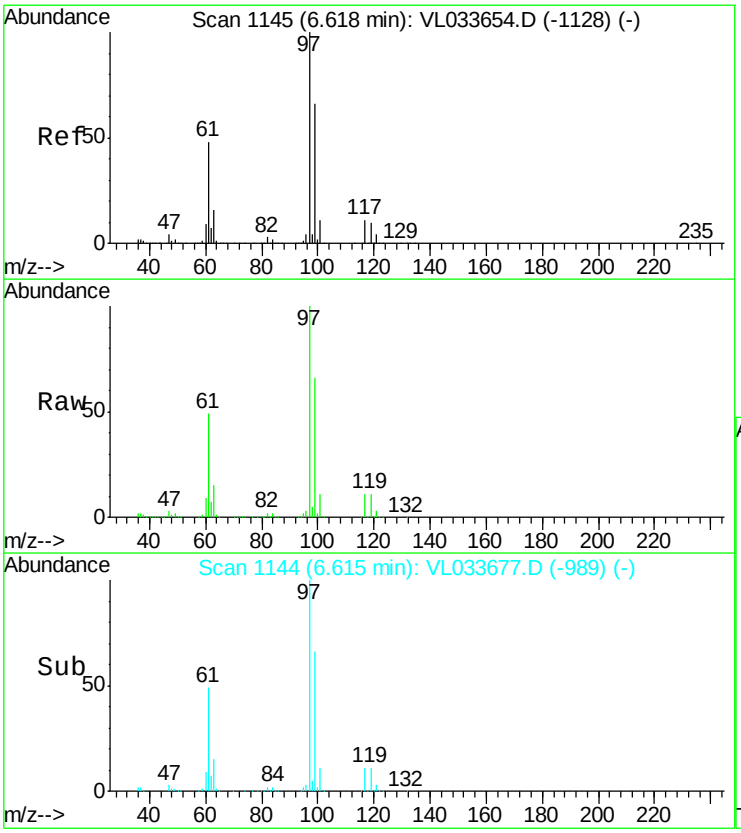
#31
cis-1,2-Dichloroethene
Concen: 10.210 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1075543

Ion	Ratio	Lower	Upper
61	100		
96	64.5	53.2	79.8
98	41.9	34.2	51.4

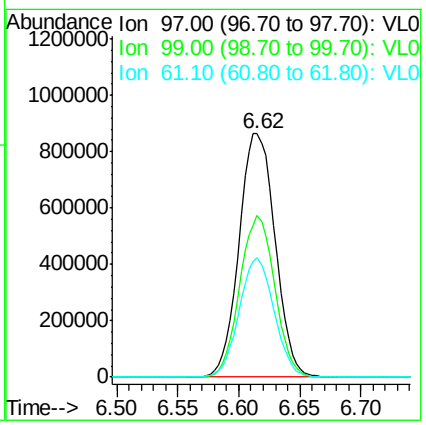


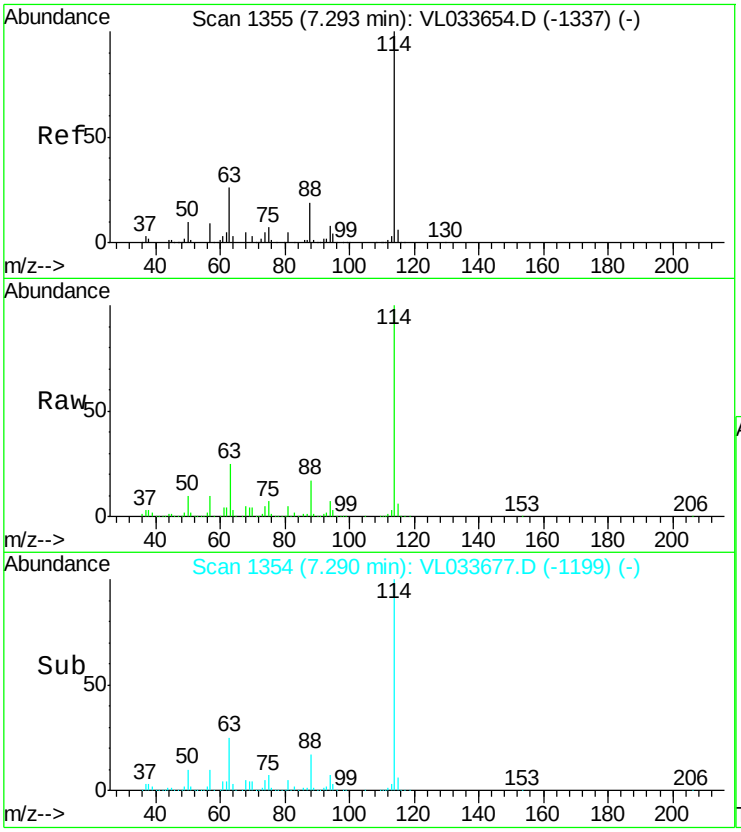


#32
1,1,1-Trichloroethane
Concen: 8.951 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 97 Resp: 1759695

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	47.6	38.5	57.7



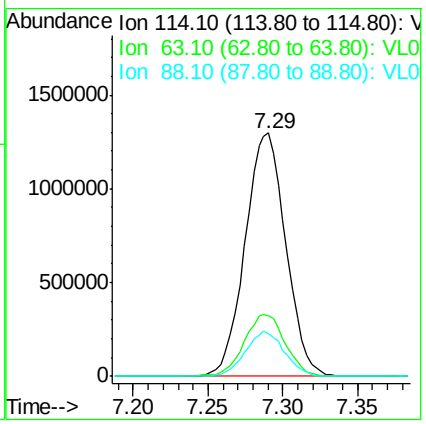


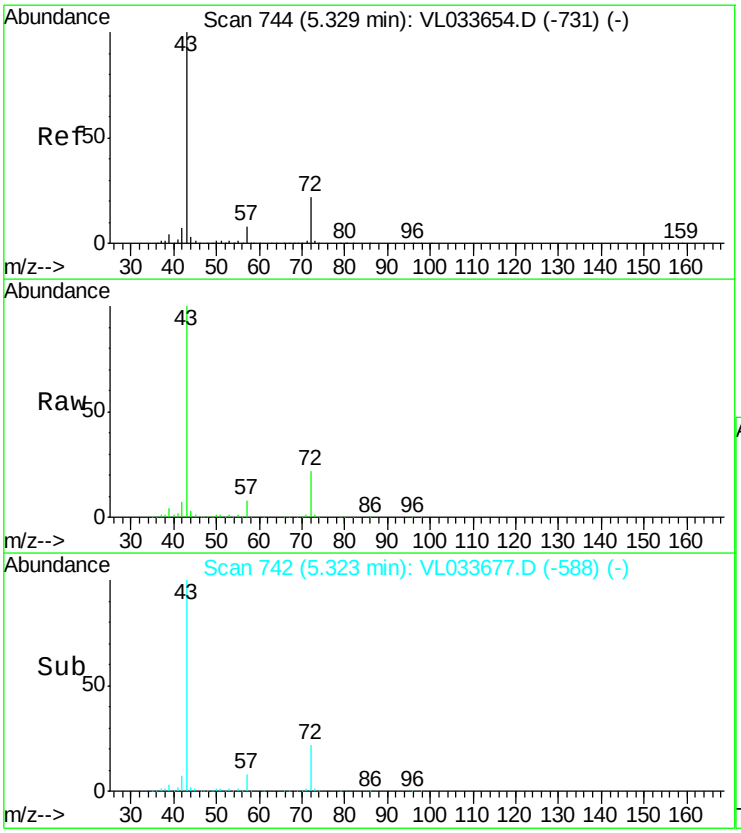
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:114 Resp: 2445612

Ion	Ratio	Lower	Upper
114	100		
63	26.1	21.3	31.9
88	17.9	14.4	21.6

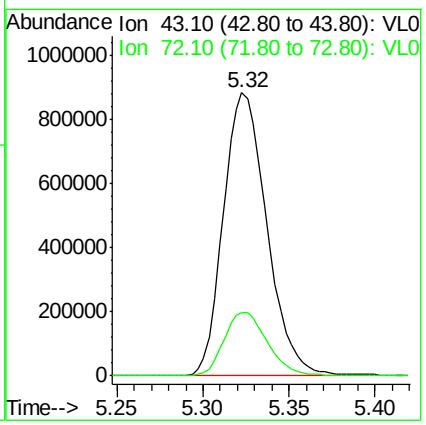


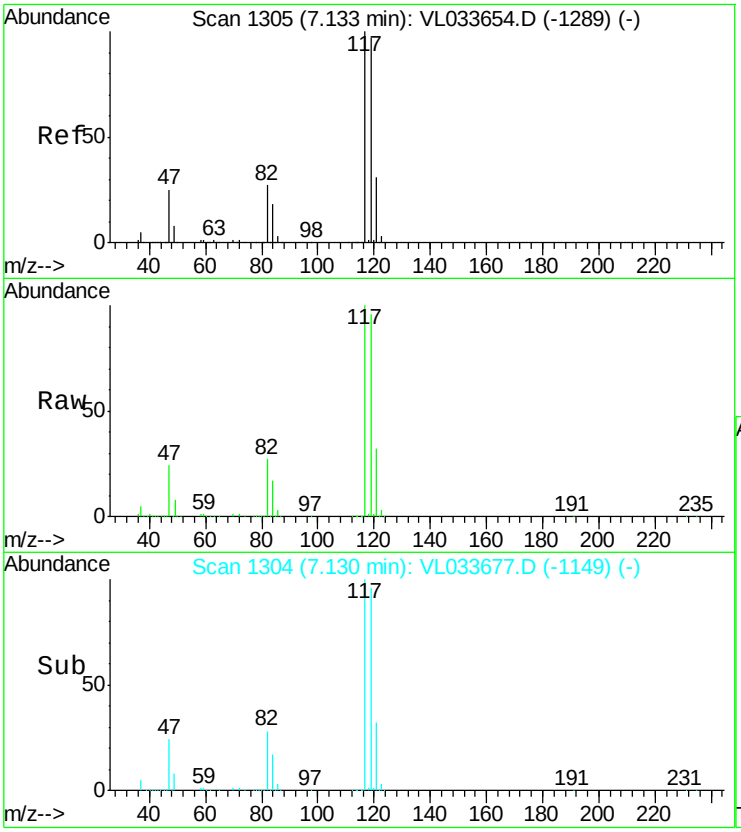


#34
2-Butanone
Concen: 9.883 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 43 Resp: 1547788

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.5	26.3



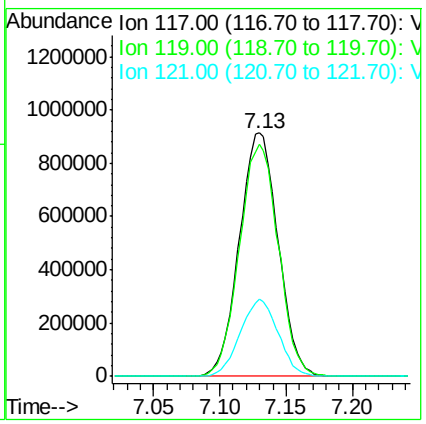


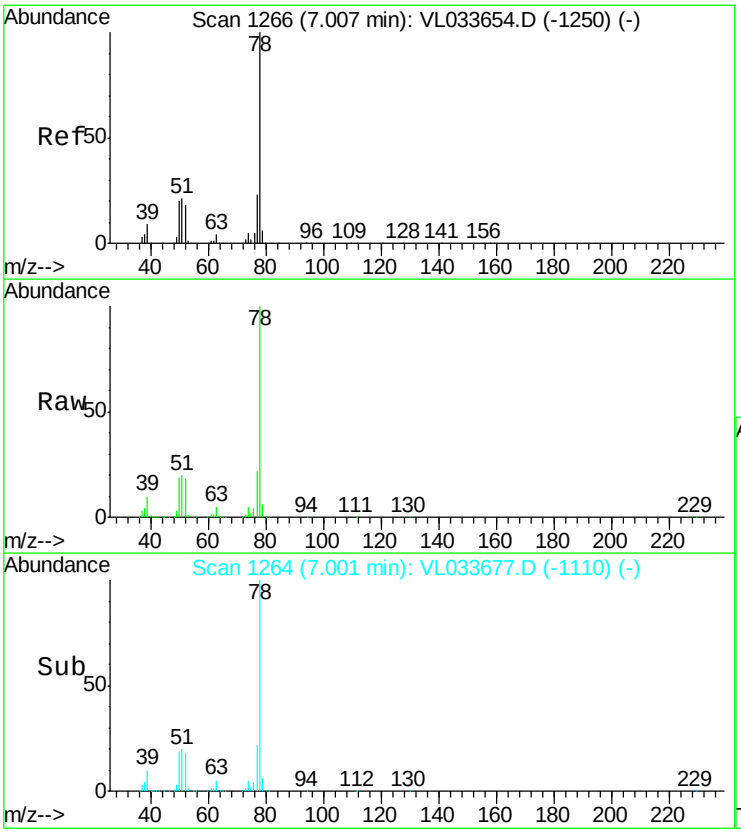
#35
Carbon Tetrachloride
Concen: 9.249 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1859032

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.9	116.9
121	31.8	25.0	37.6

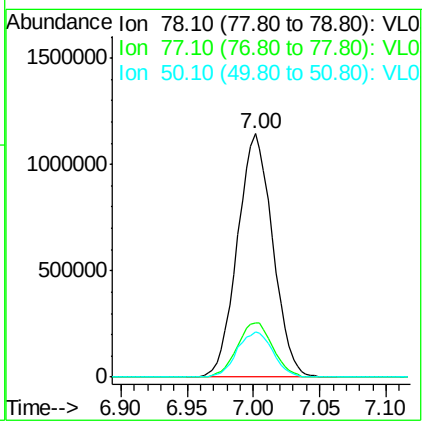


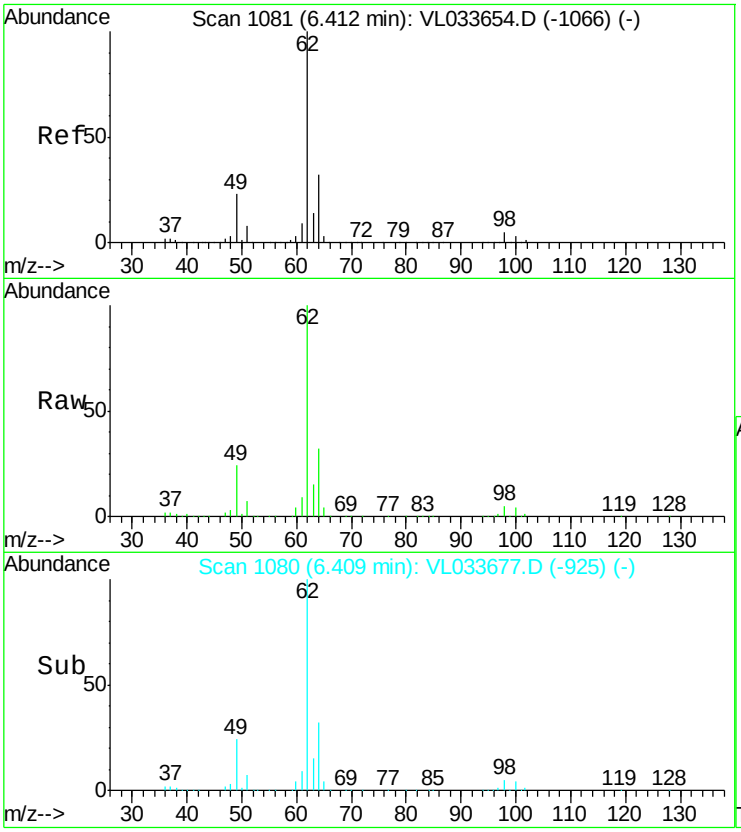


#36
Benzene
Concen: 9.649 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 78 Resp: 2115921

Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.2	27.2
50	18.6	15.8	23.6



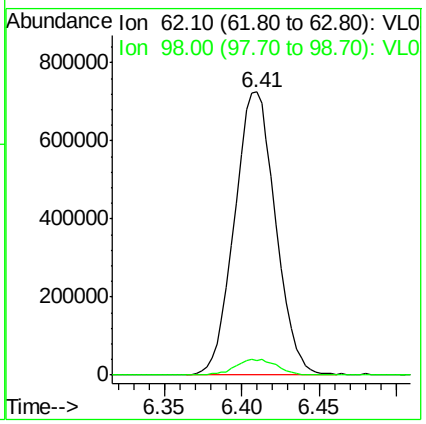


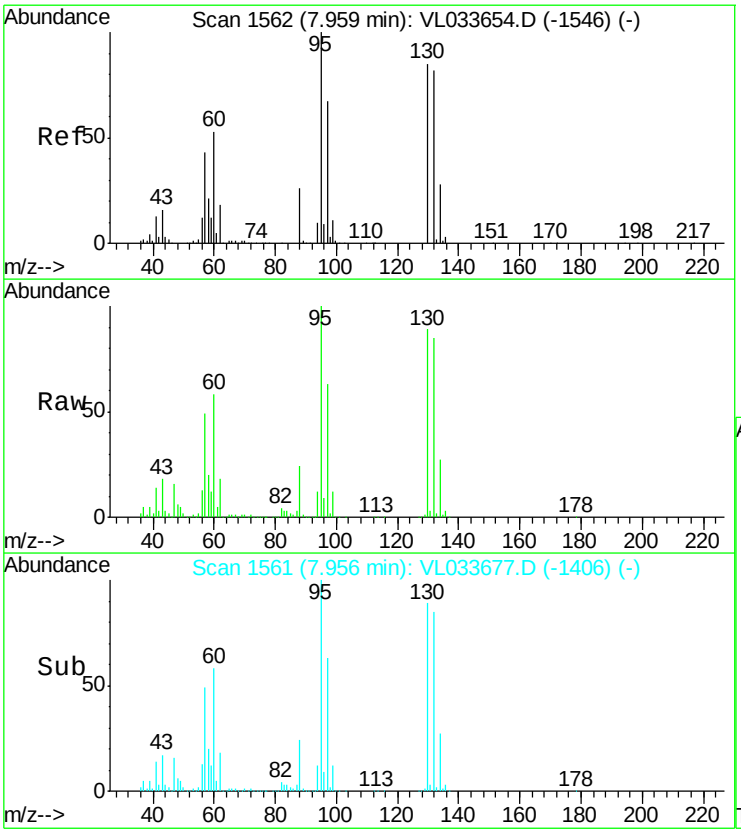
#37
1,2-Dichloroethane
Concen: 8.727 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1335302

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.5	6.7

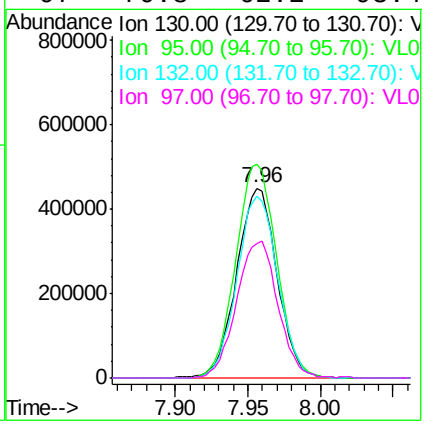


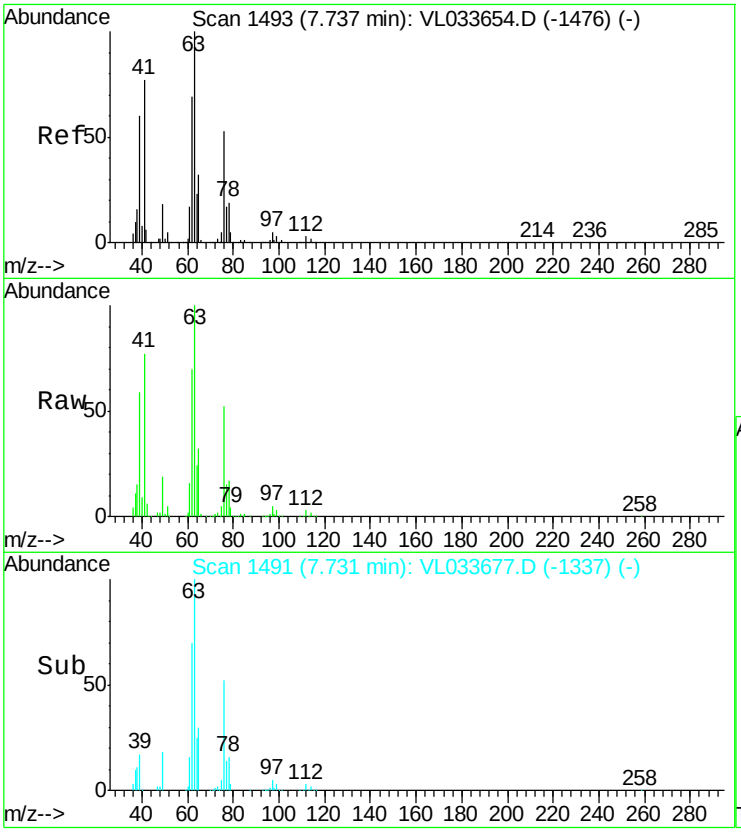


#38
Trichloroethene
Concen: 10.750 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:130 Resp: 864747

Ion	Ratio	Lower	Upper
130	100		
95	112.6	93.4	140.0
132	95.6	76.2	114.4
97	70.8	62.2	93.4



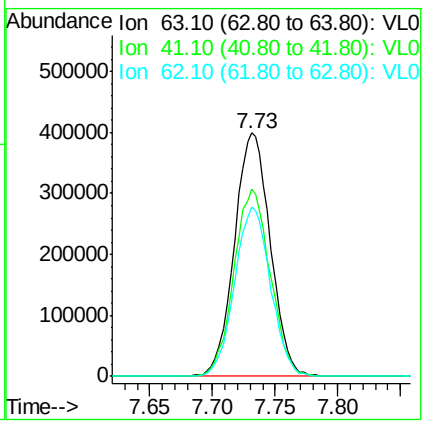


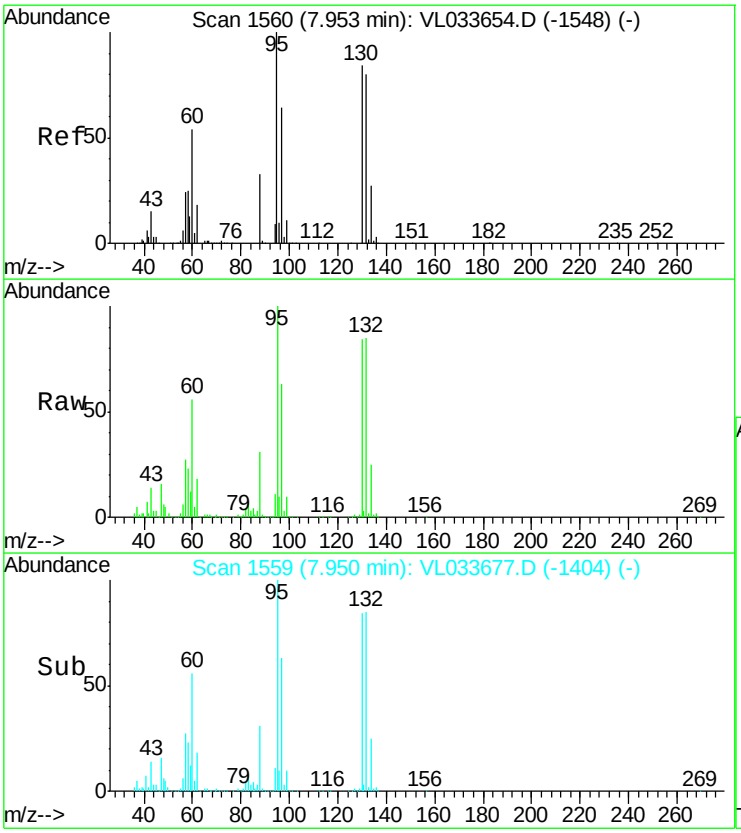
#39
1,2-Dichloropropane
Concen: 9.703 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 793006

Ion	Ratio	Lower	Upper
63	100		
41	77.1	61.6	92.4
62	69.7	55.0	82.6

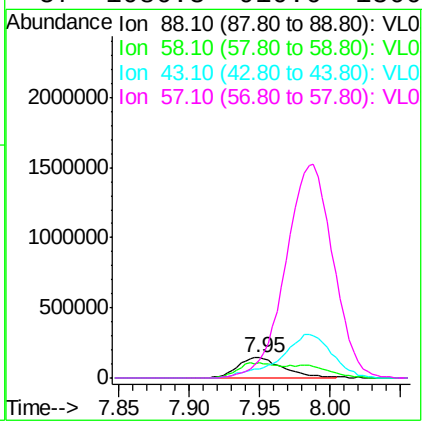


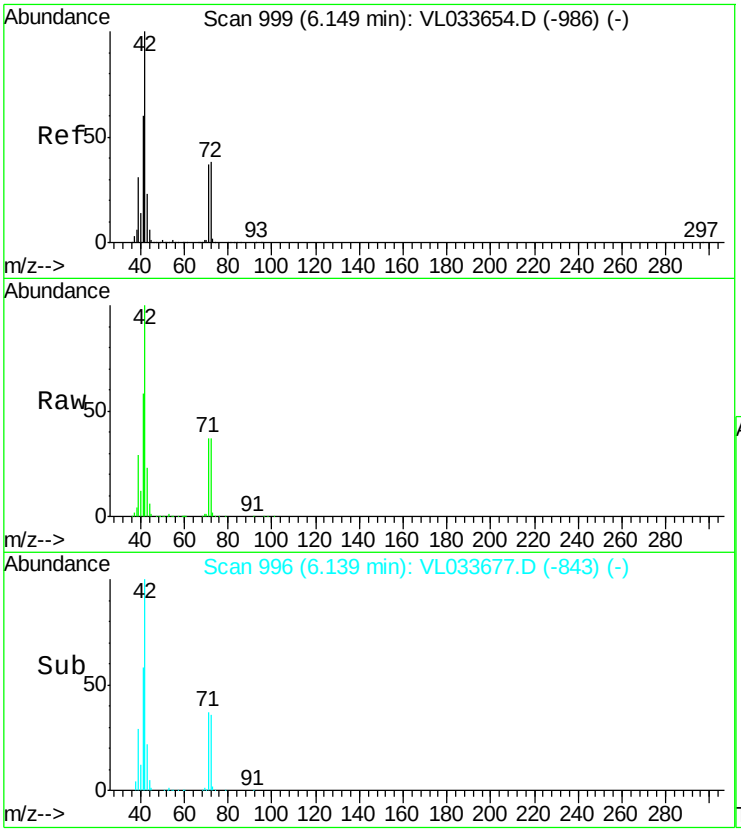


#40
1,4-Dioxane
Concen: 10.073 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 88 Resp: 329040

Ion	Ratio	Lower	Upper
88	100		
58	123.9	102.3	153.5
43	242.7	206.1	309.1
57	1086.3	910.6	1366.0



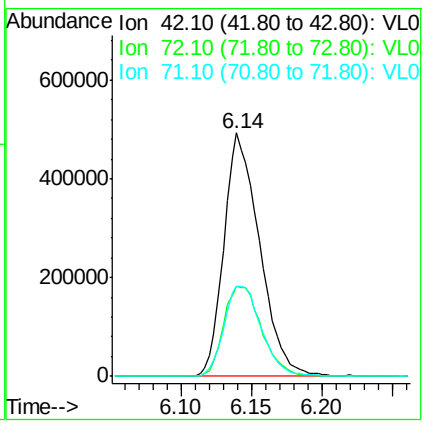


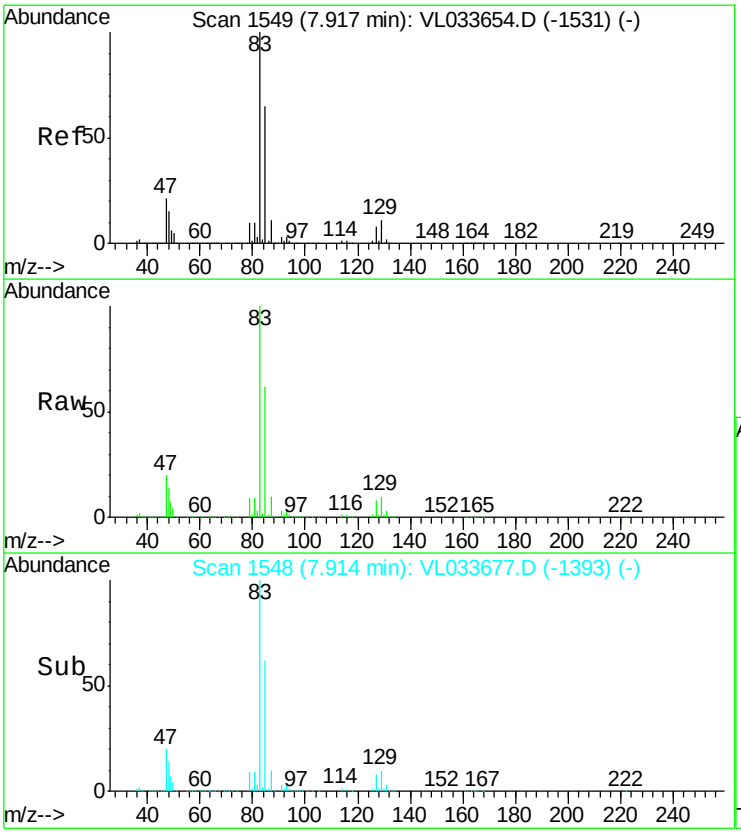
#41
Tetrahydrofuran
Concen: 10.773 ppbv
RT: 6.14 min Scan# 996
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 871893

Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.6	47.4
71	39.1	30.6	46.0

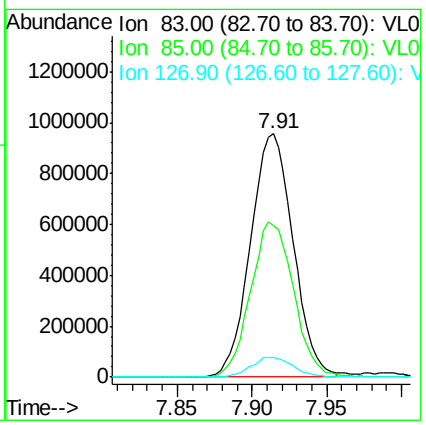


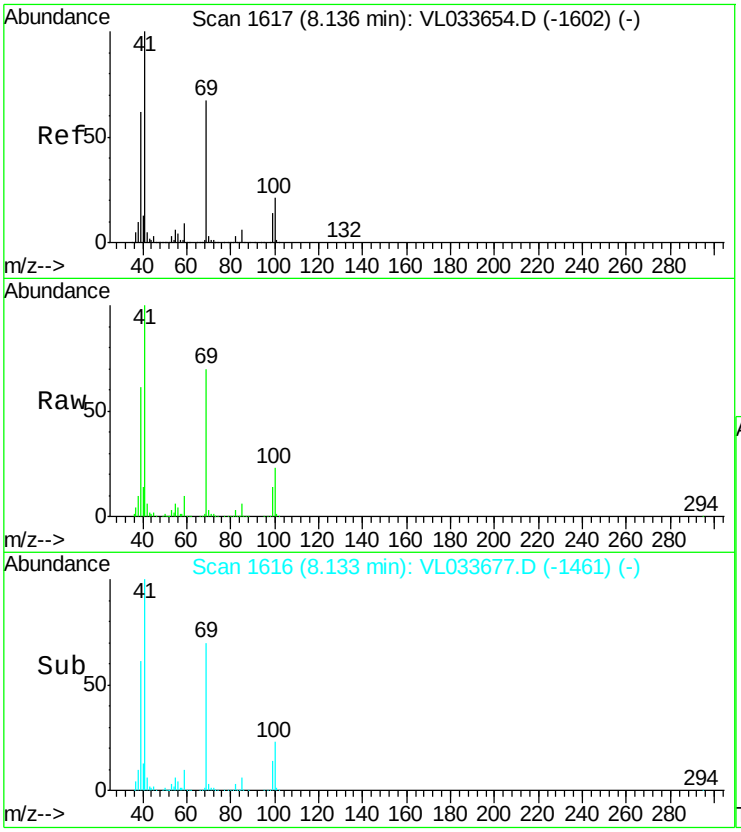


#42
Bromodichloromethane
Concen: 9.600 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 83 Resp: 1896579

Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.4	78.6
127	8.1	6.6	9.8



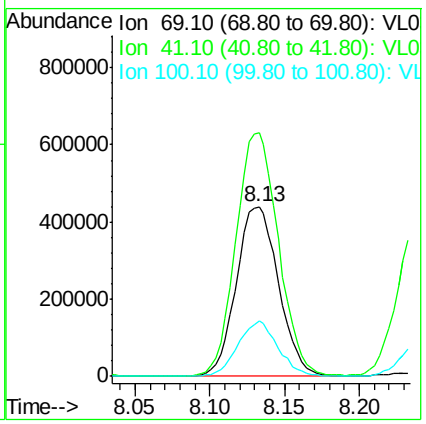


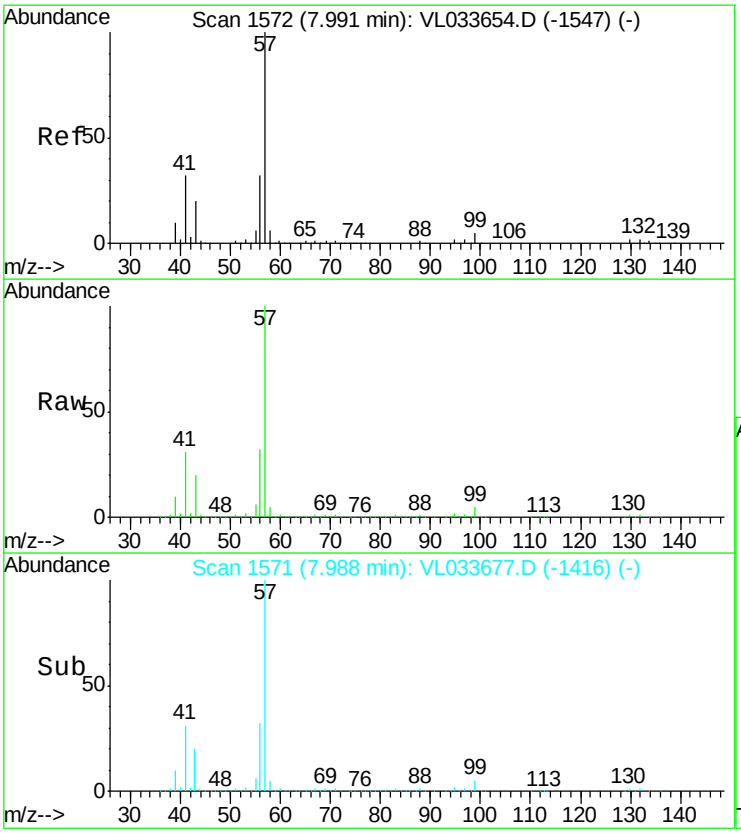
#43
Methyl Methacrylate
Concen: 10.497 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 865914

Ion	Ratio	Lower	Upper
69	100		
41	144.2	116.6	175.0
100	30.9	24.6	37.0

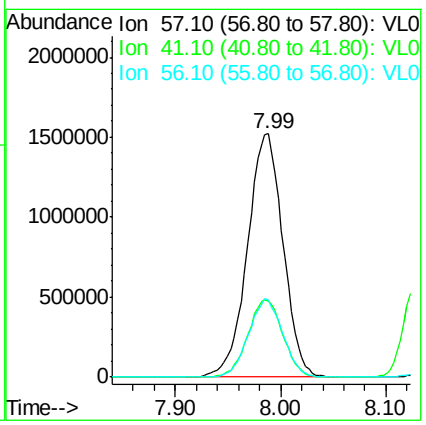


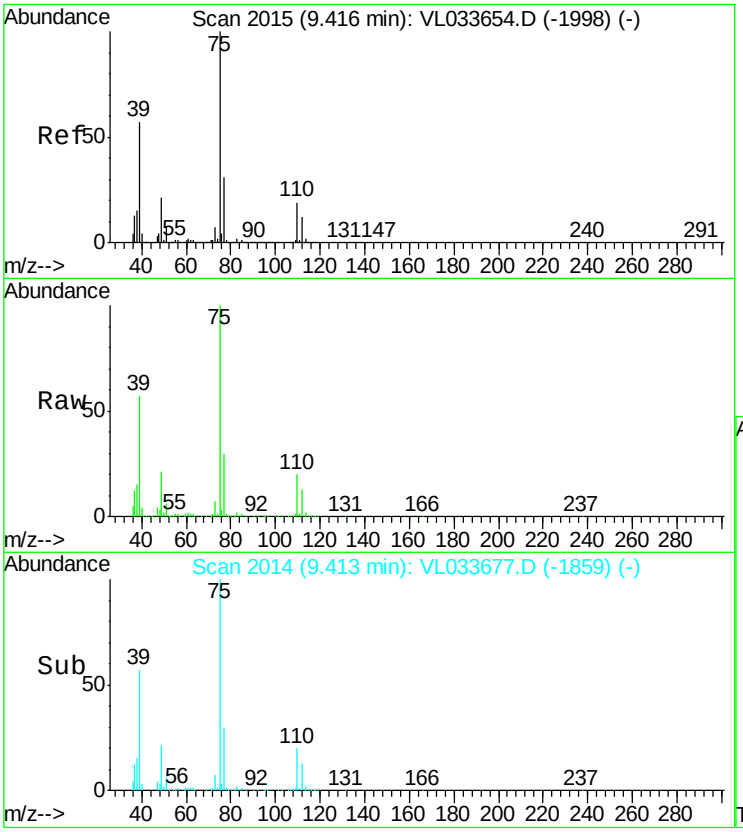


#44
2,2,4-Trimethylpentane
Concen: 9.511 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 57 Resp: 3566398

Ion	Ratio	Lower	Upper
57	100		
41	31.4	25.7	38.5
56	31.0	25.0	37.6



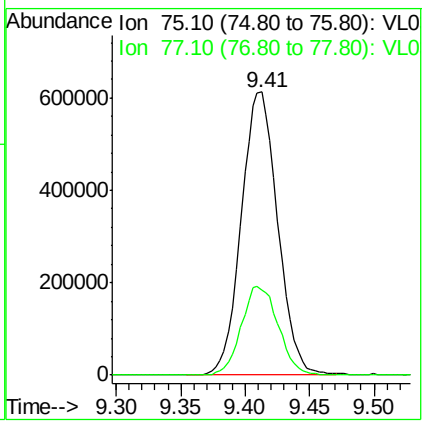


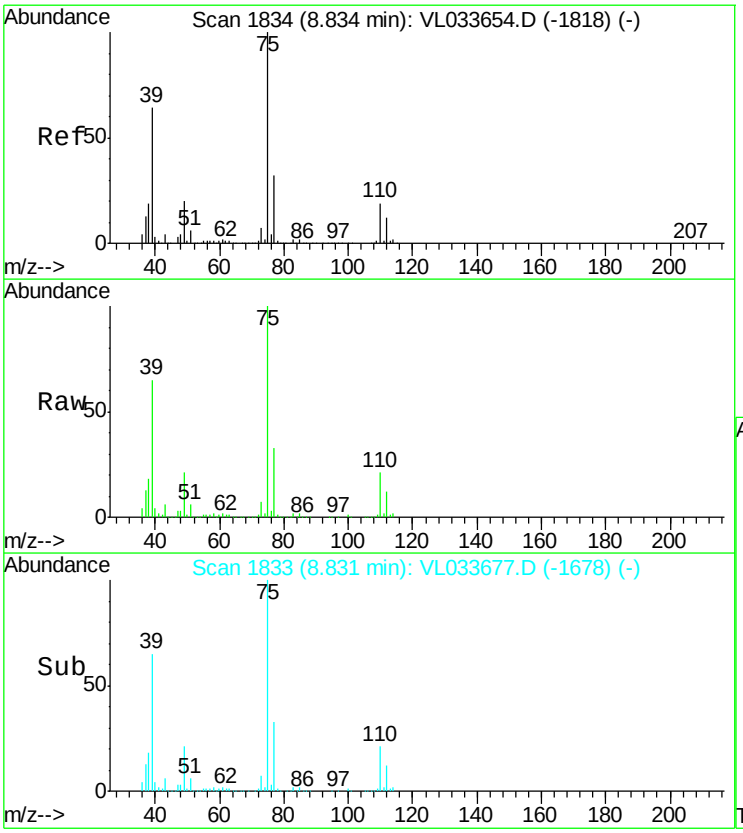
#45
t-1,3-Dichloropropene
Concen: 11.882 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1202961

Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.7	37.1

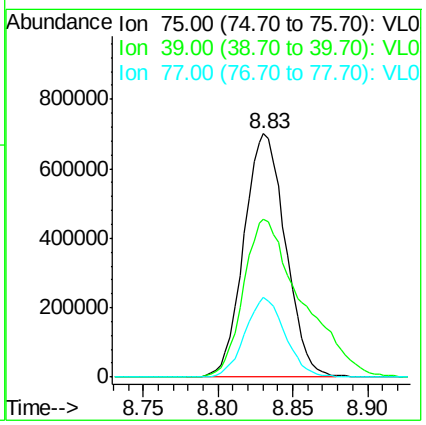


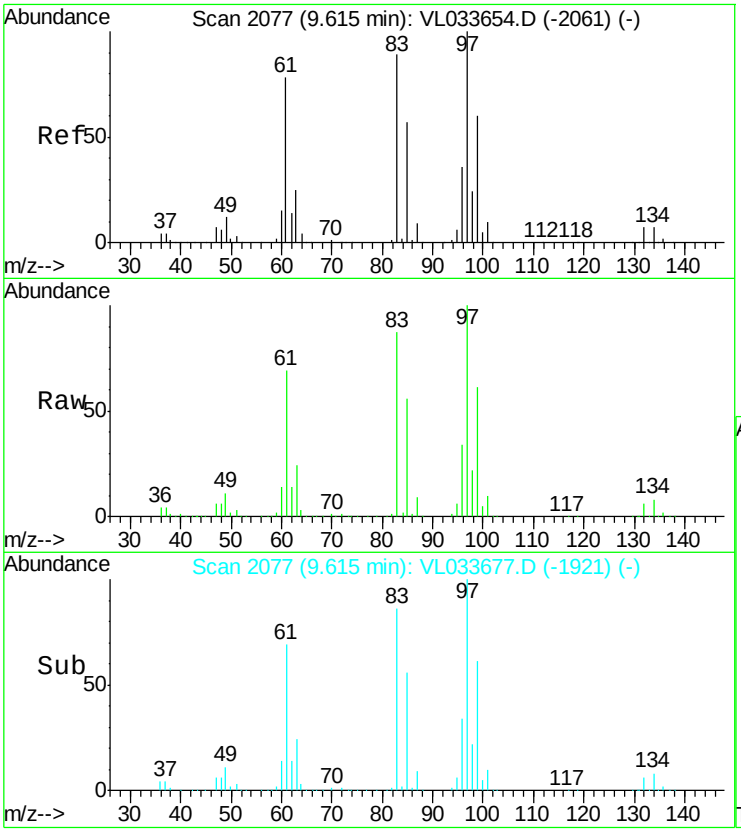


#46
cis-1,3-Dichloropropene
Concen: 10.727 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 75 Resp: 1355446

Ion	Ratio	Lower	Upper
75	100		
39	64.7	51.5	77.3
77	32.7	25.4	38.0



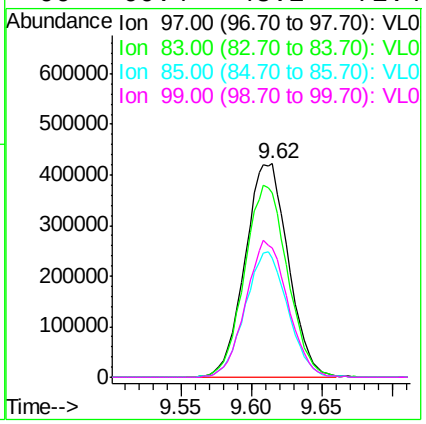


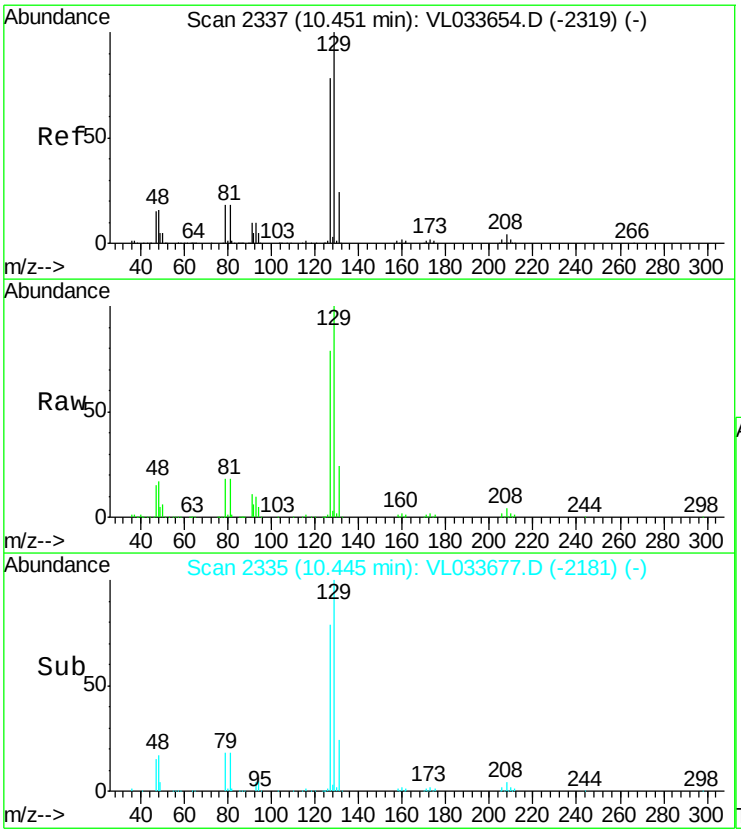
#47
1,1,2-Trichloroethane
Concen: 9.660 ppbv
RT: 9.62 min Scan# 2077
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 906733

Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.9	106.3
85	55.4	45.8	68.6
99	60.4	48.2	72.4

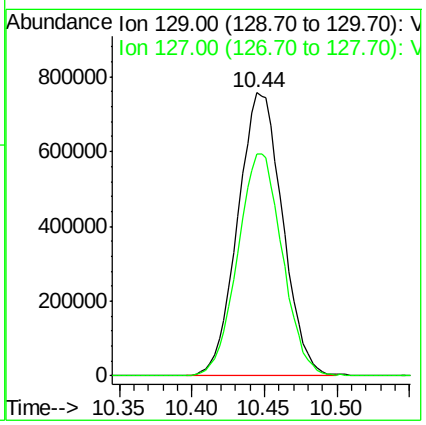


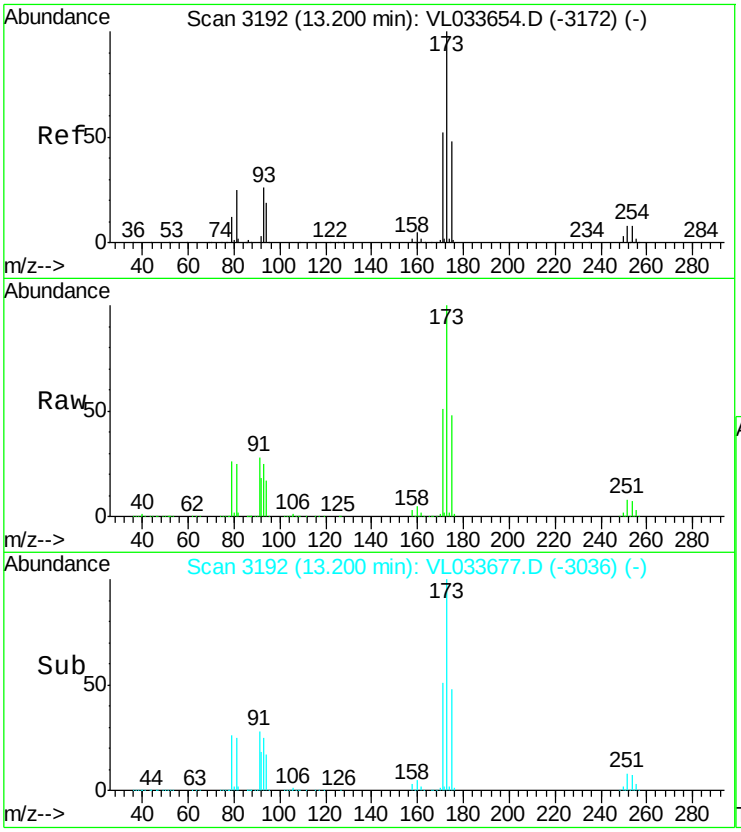


#48
Dibromochloromethane
Concen: 10.228 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:129 Resp: 1627377

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.2



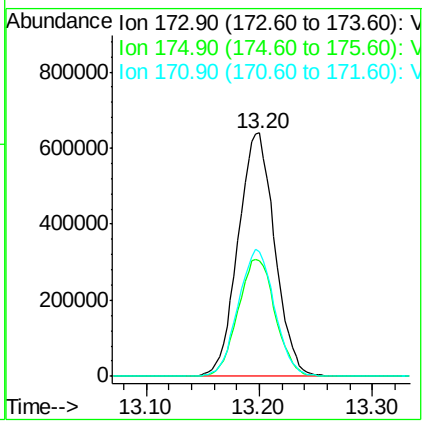


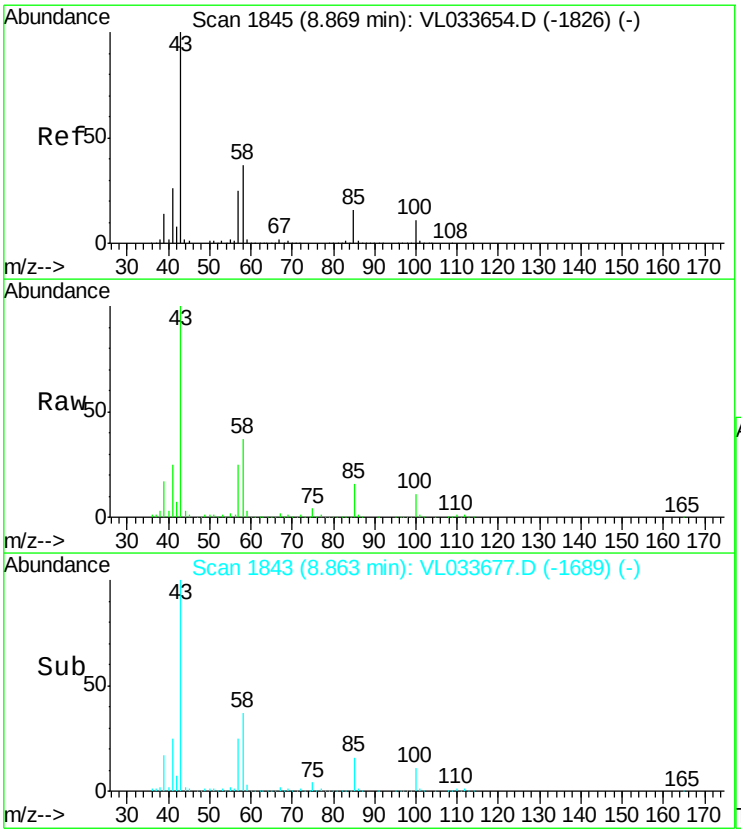
#49
Bromoform
Concen: 10.427 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1441101

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.3	58.9
171	51.8	41.5	62.3

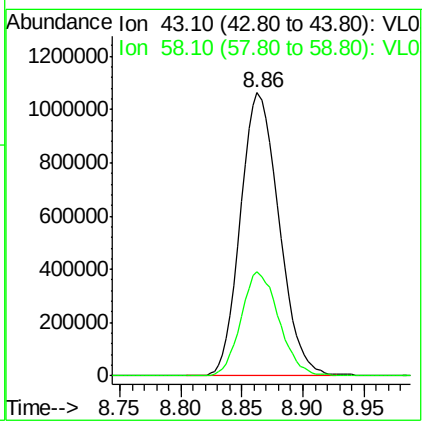


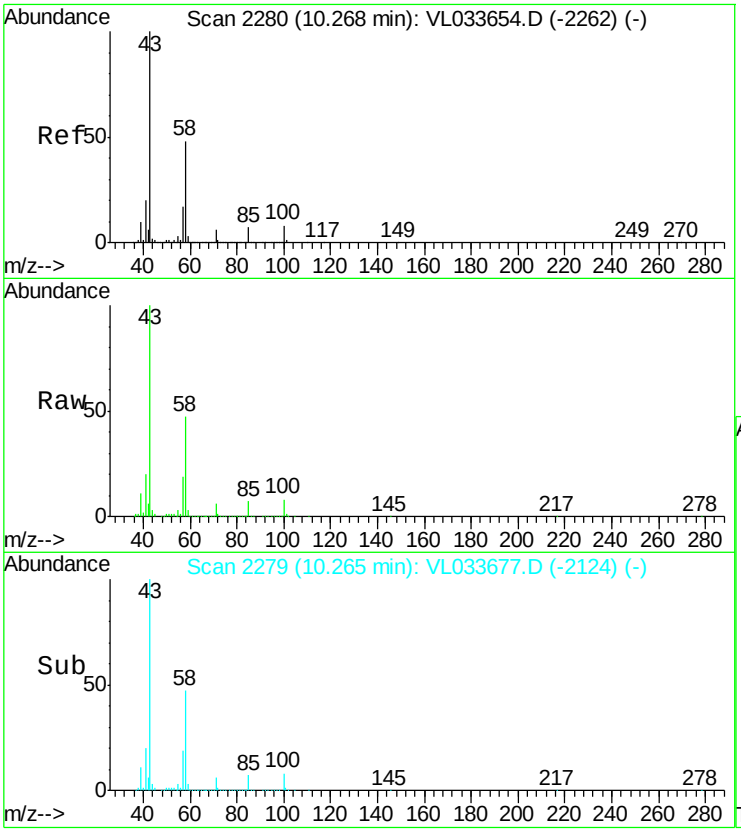


#50
4-Methyl-2-Pentanone
Concen: 9.803 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 43 Resp: 2324643

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.8	43.2



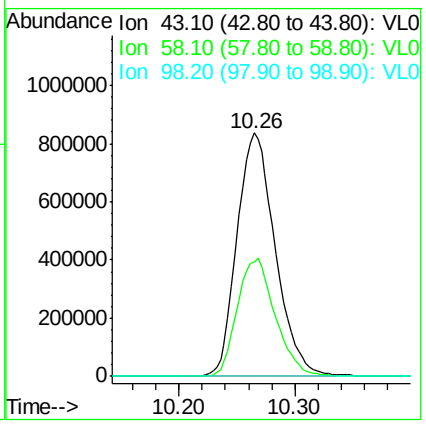


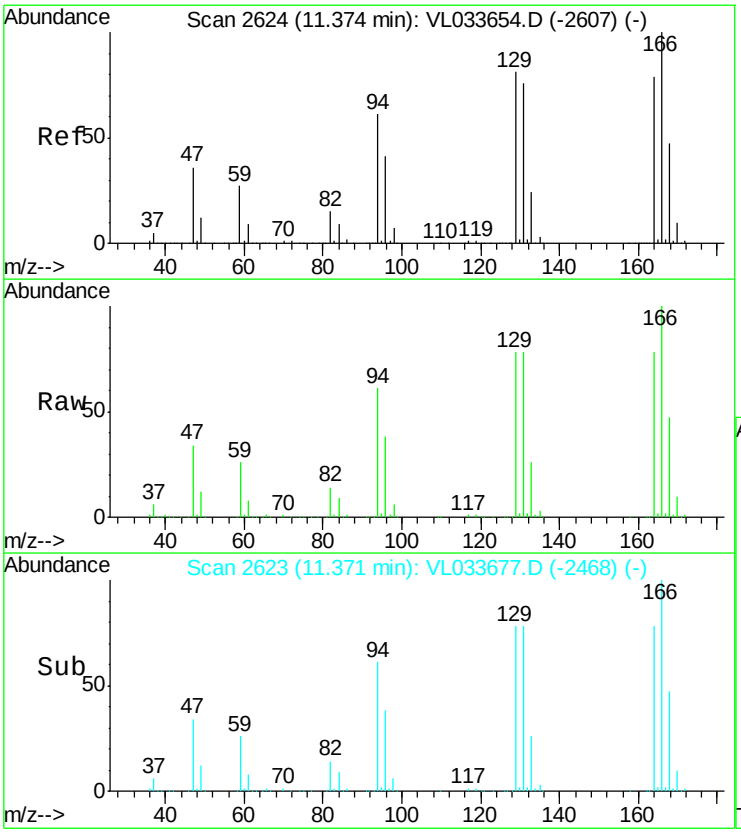
#51
2-Hexanone
Concen: 10.443 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1918596

Ion	Ratio	Lower	Upper
43	100		
58	48.4	38.2	57.4
98	0.1	0.2	0.4#

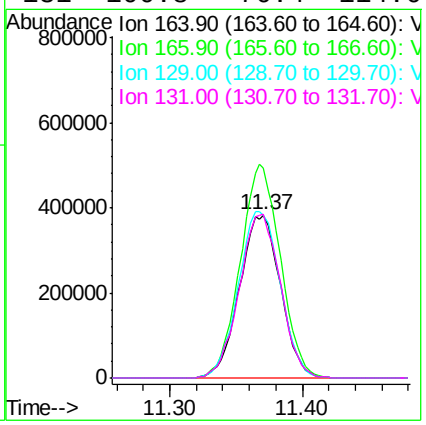


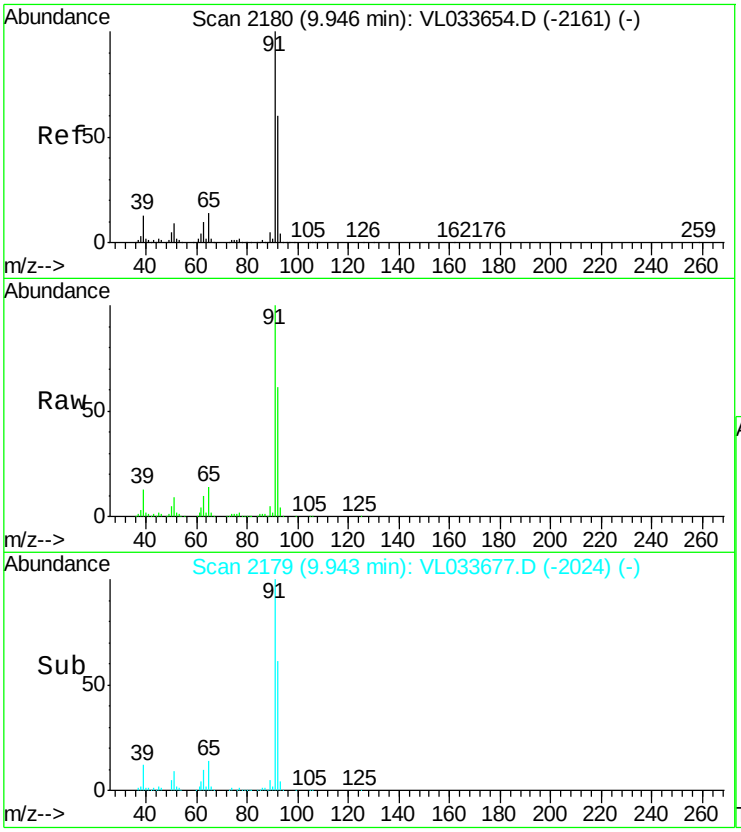


#52
Tetrachloroethene
Concen: 10.609 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:164 Resp: 824223

Ion	Ratio	Lower	Upper
164	100		
166	128.7	100.6	151.0
129	100.1	81.0	121.6
131	100.8	76.4	114.6



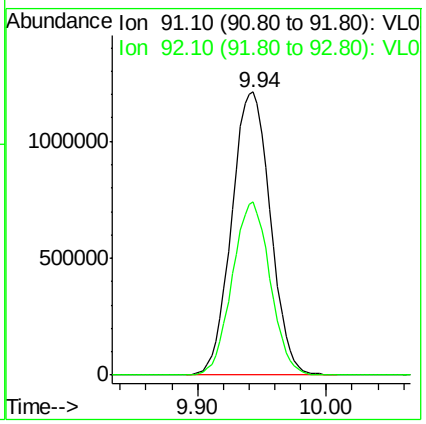


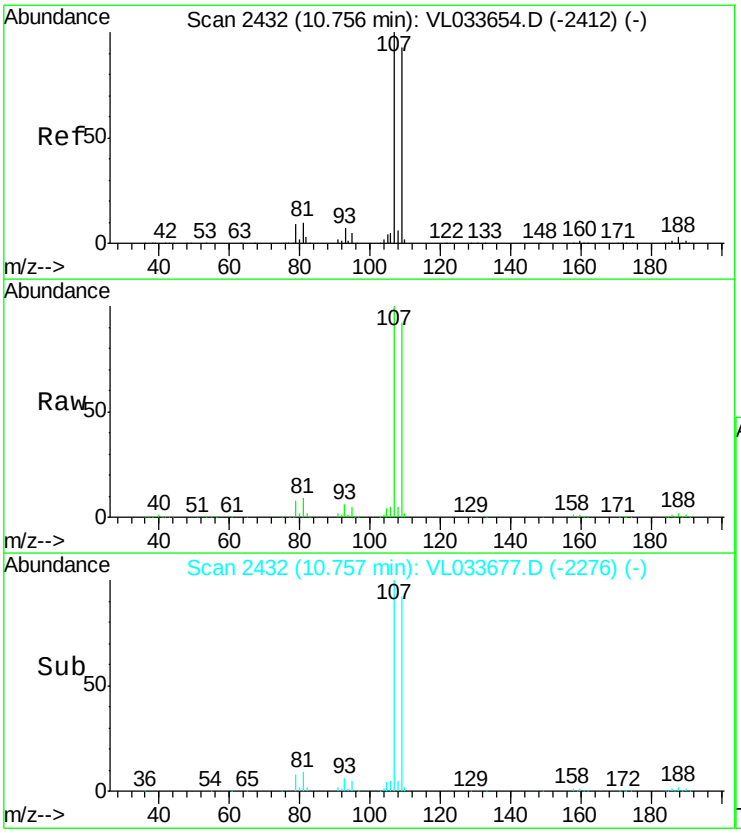
#53
Toluene
Concen: 10.642 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2521582

Ion	Ratio	Lower	Upper
91	100		
92	60.1	47.7	71.5

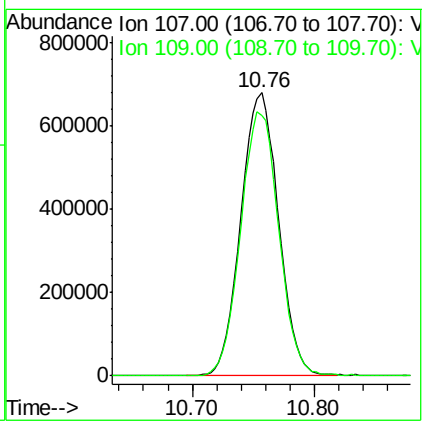


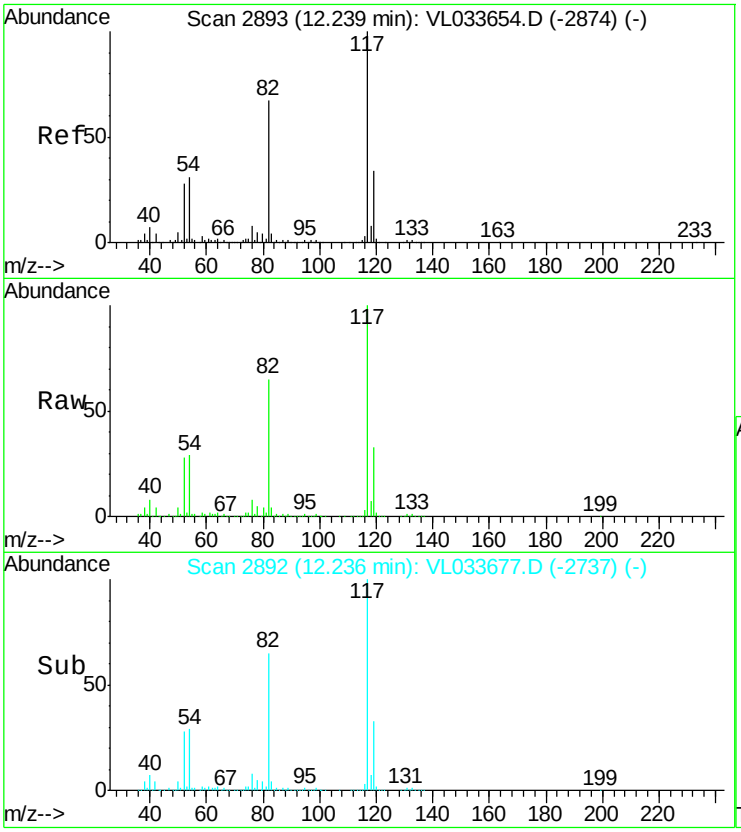


#54
1,2-Dibromoethane
Concen: 10.248 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:107 Resp: 1448934

Ion	Ratio	Lower	Upper
107	100		
109	91.8	74.6	111.8



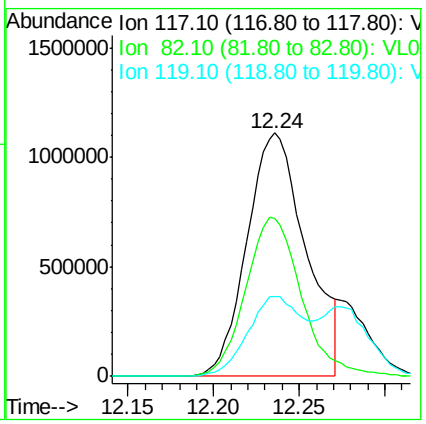


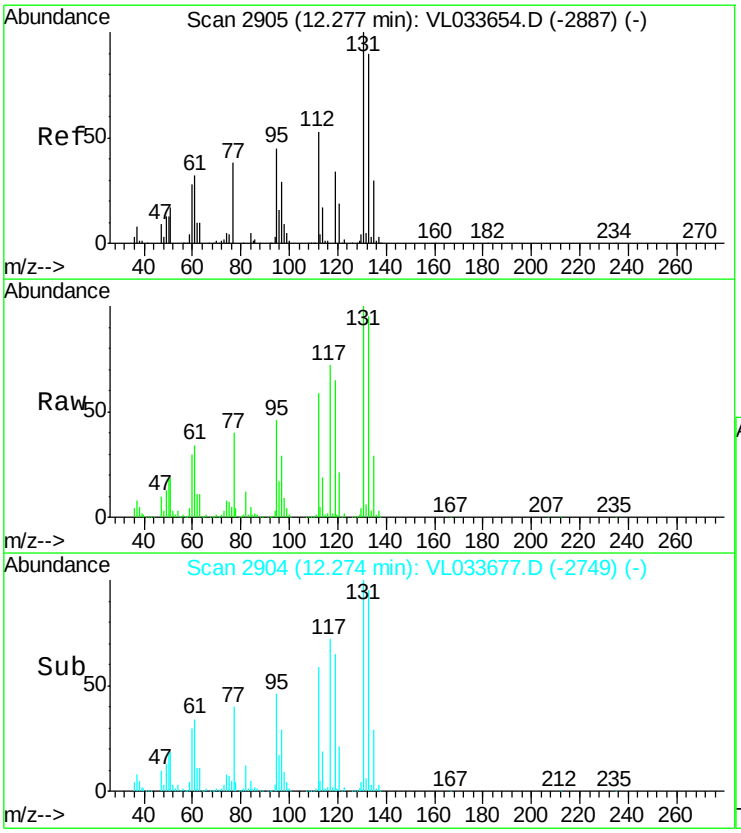
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2667251

Ion	Ratio	Lower	Upper
117	100		
82	62.0	49.7	74.5
119	29.3	24.8	37.2

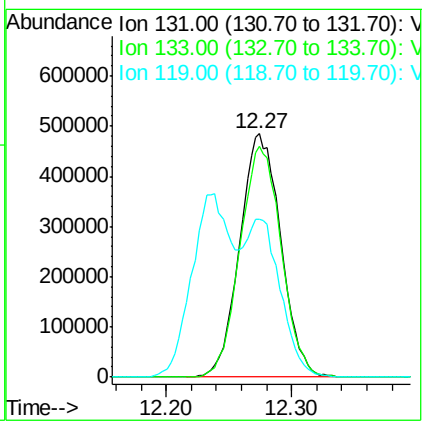


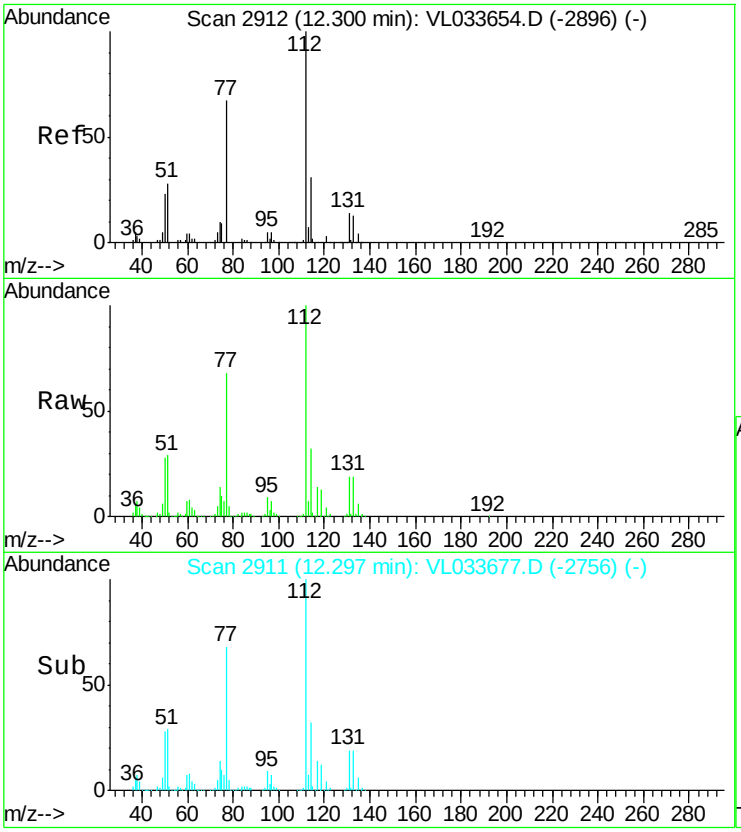


#56
1,1,1,2-Tetrachloroethane
Concen: 8.961 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:131 Resp: 1102476

Ion	Ratio	Lower	Upper
131	100		
133	95.4	76.0	114.0
119	56.8	45.4	68.2



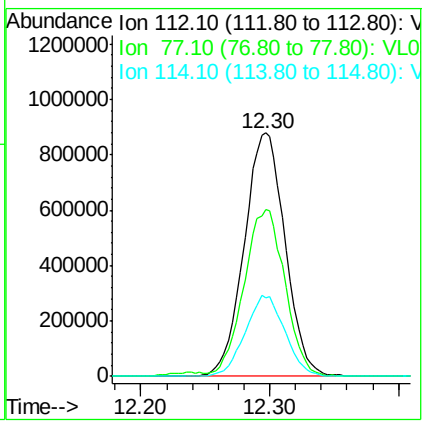


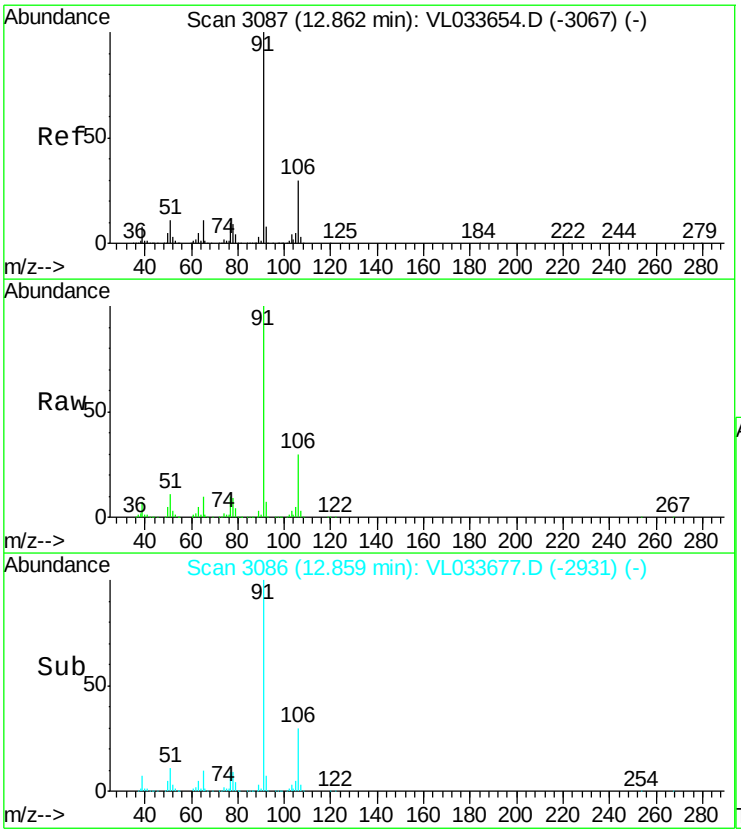
#57
Chlorobenzene
Concen: 8.840 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 1935876

Ion	Ratio	Lower	Upper
112	100		
77	68.2	54.4	81.6
114	32.5	28.2	34.4

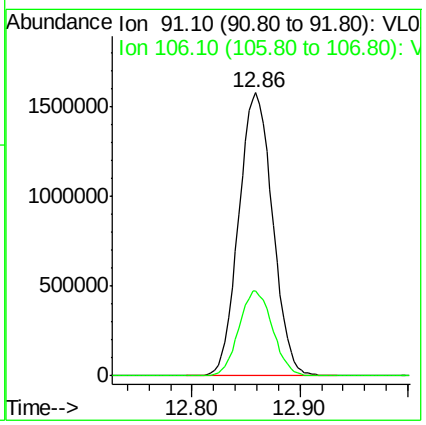


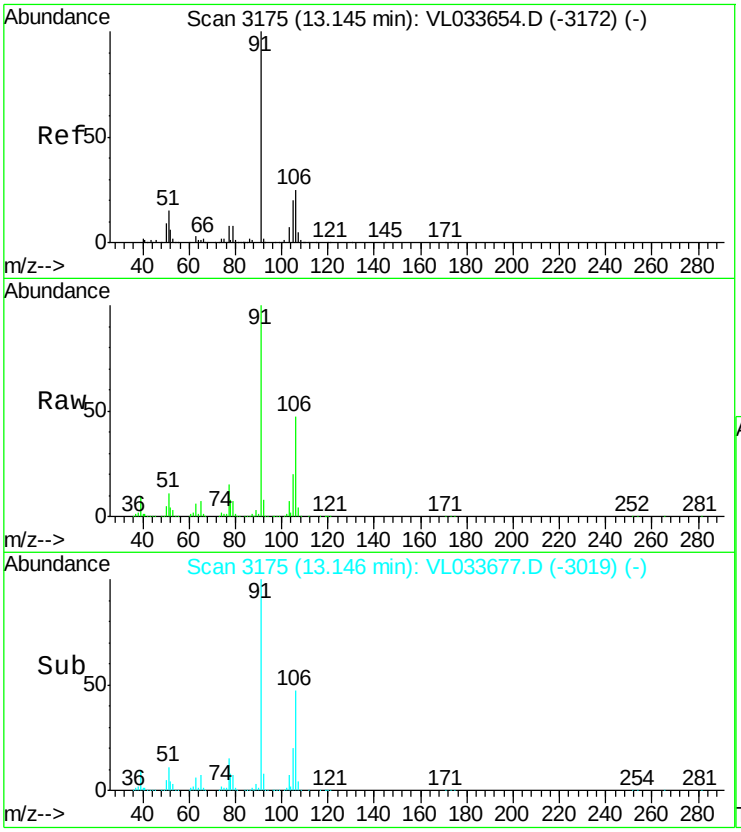


#58
Ethyl Benzene
Concen: 9.921 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 91 Resp: 3450929

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.7	35.5



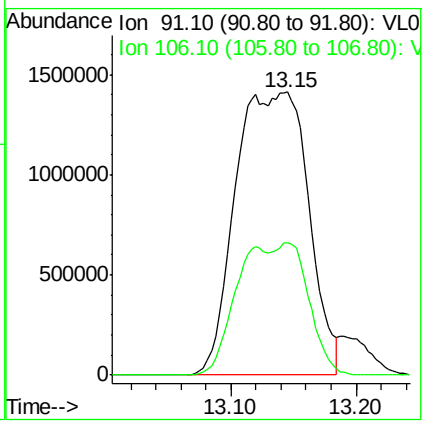


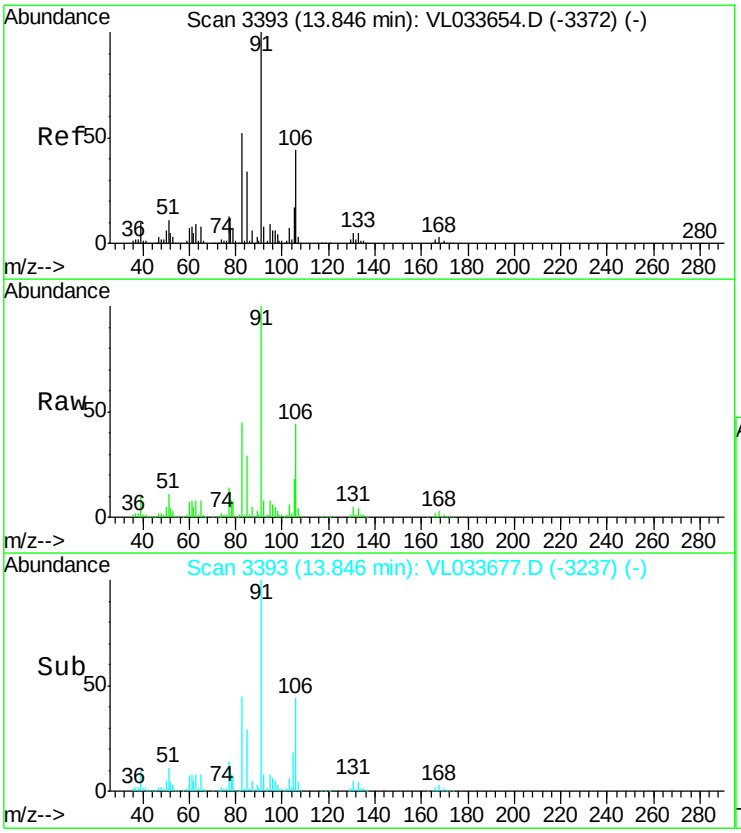
#59
m/p-Xylene
Concen: 18.595 ppbv m
RT: 13.15 min Scan# 3175
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 5696971

Ion	Ratio	Lower	Upper
91	100		
106	45.3	36.2	54.2

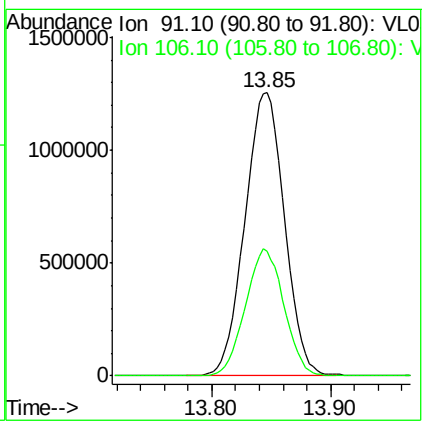


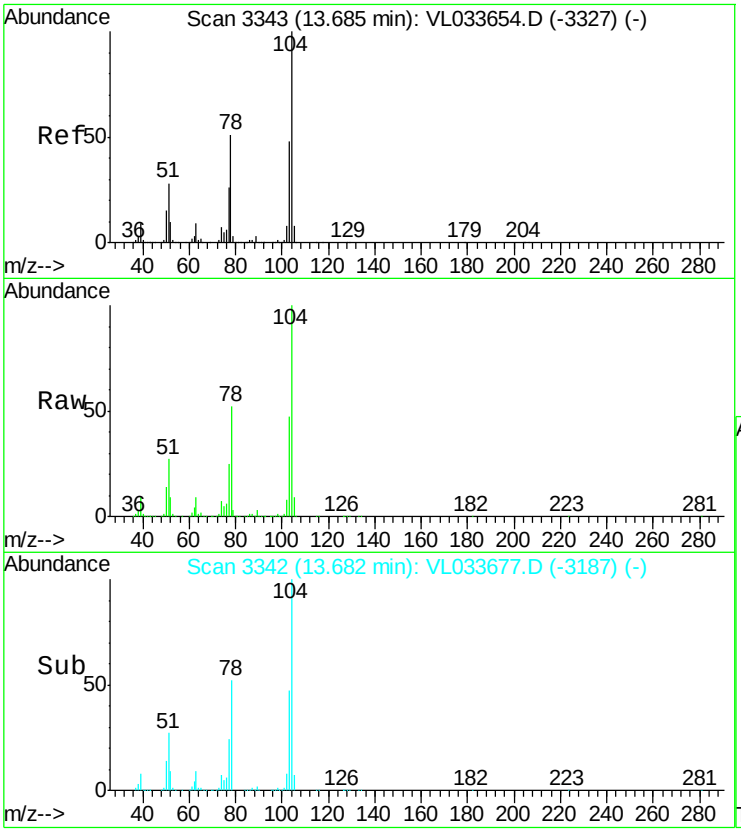


#60
o-Xylene
Concen: 9.297 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 91 Resp: 2882464

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.7	65.1



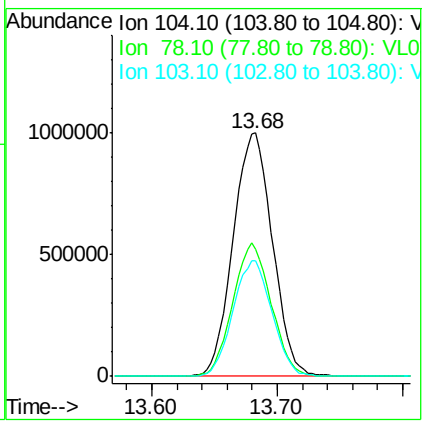


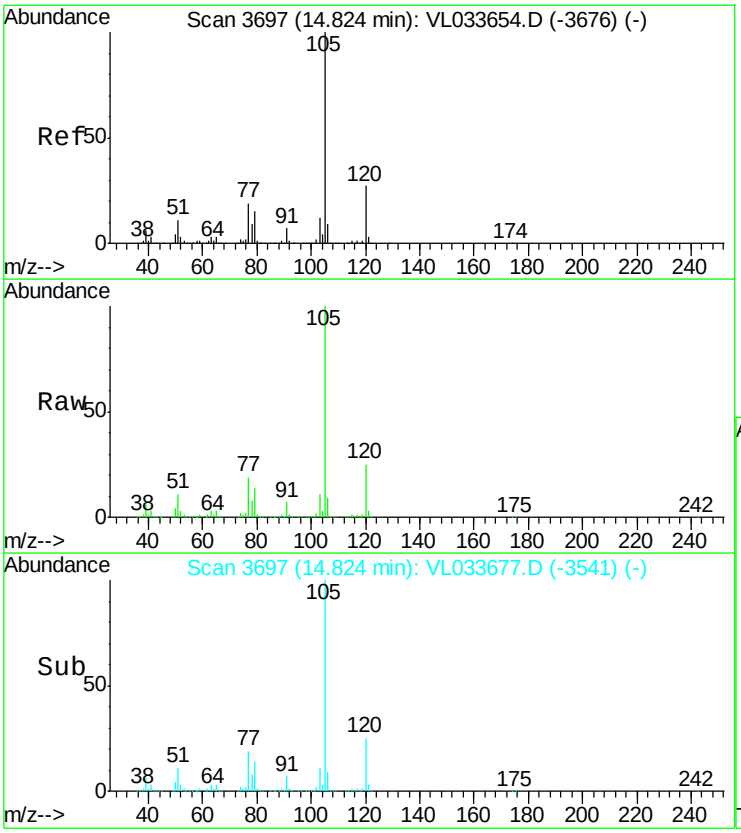
#61
Stvrene
Concen: 10.583 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 2184990

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.0	64.6
103	47.1	38.1	57.1

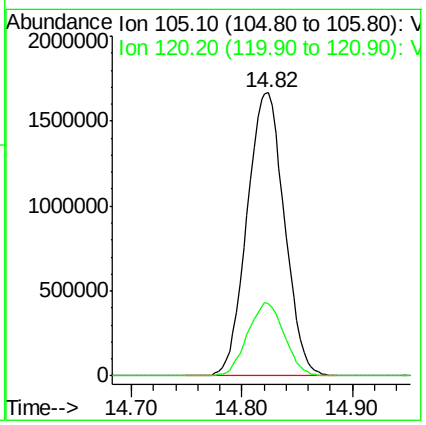


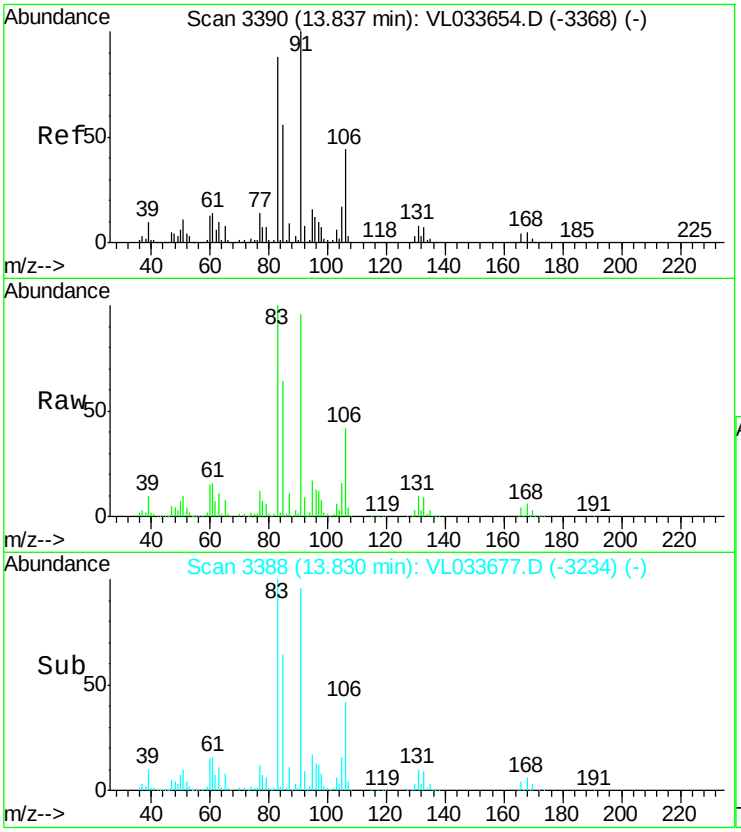


#62
Isopropylbenzene
Concen: 9.255 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:105 Resp: 3918249

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.5	30.7



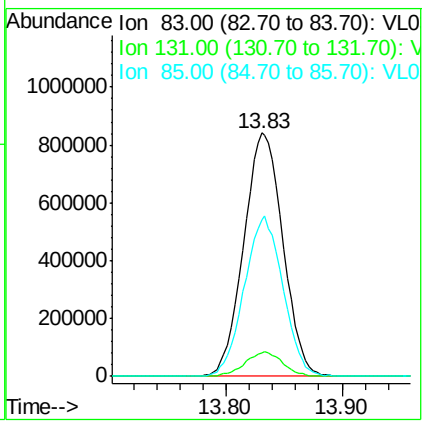


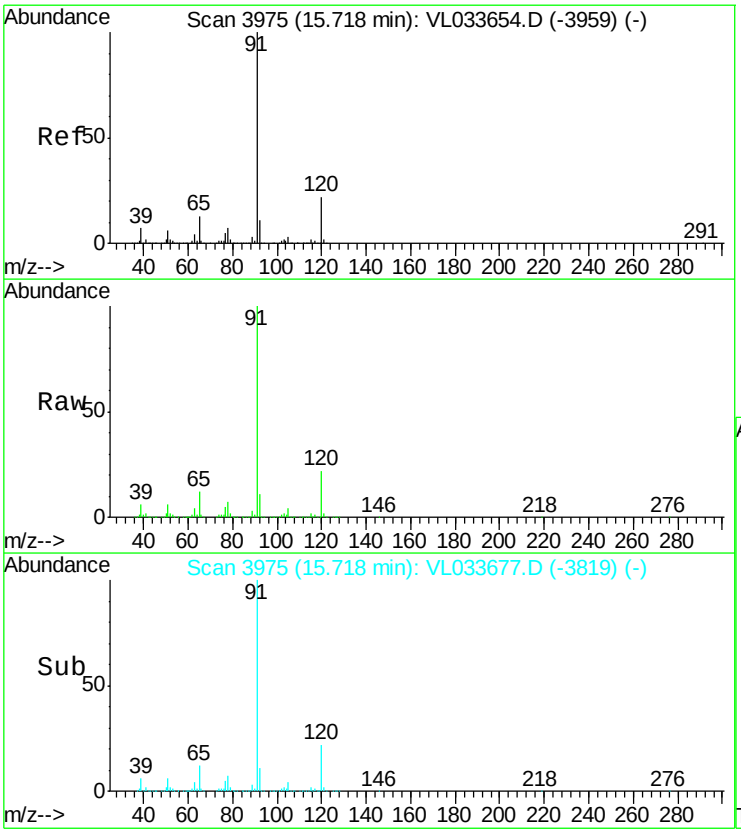
#63
1,1,2,2-Tetrachloroethane
Concen: 8.757 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1976101

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	64.9	32.5	97.4

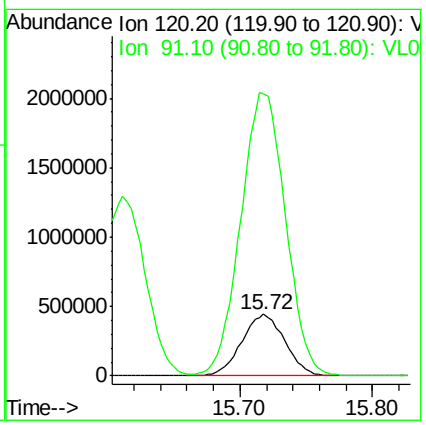


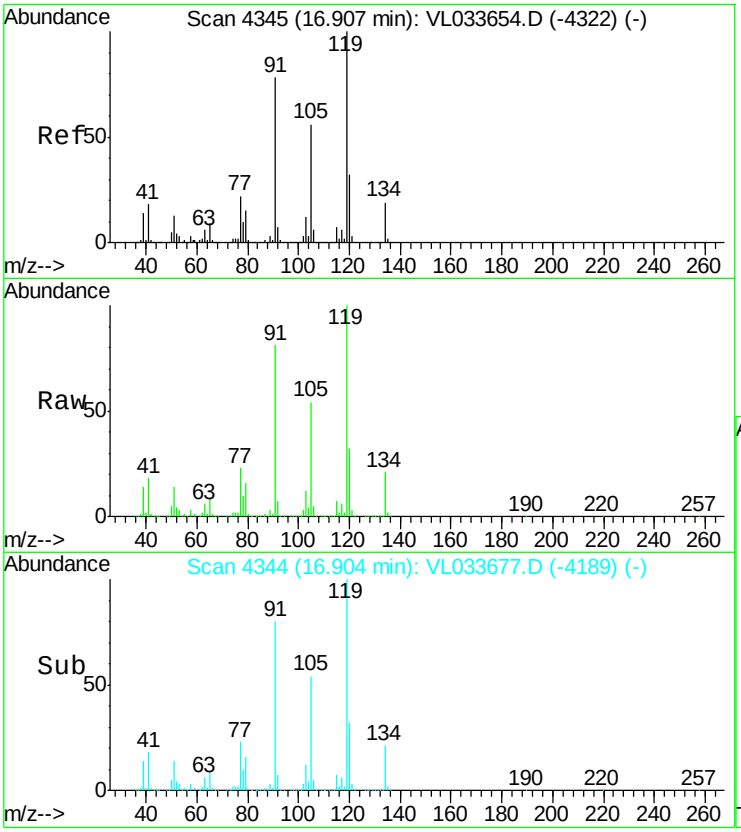


#64
n-propylbenzene
Concen: 9.135 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:120 Resp: 999404

Ion	Ratio	Lower	Upper
120	100		
91	480.4	379.0	568.6



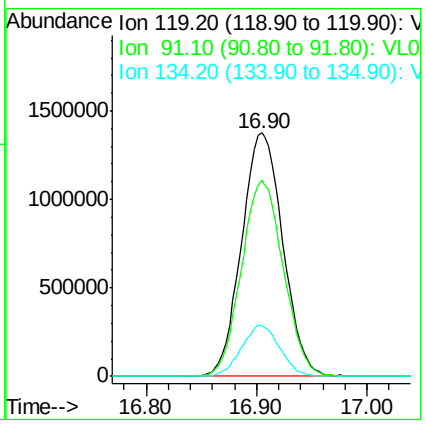


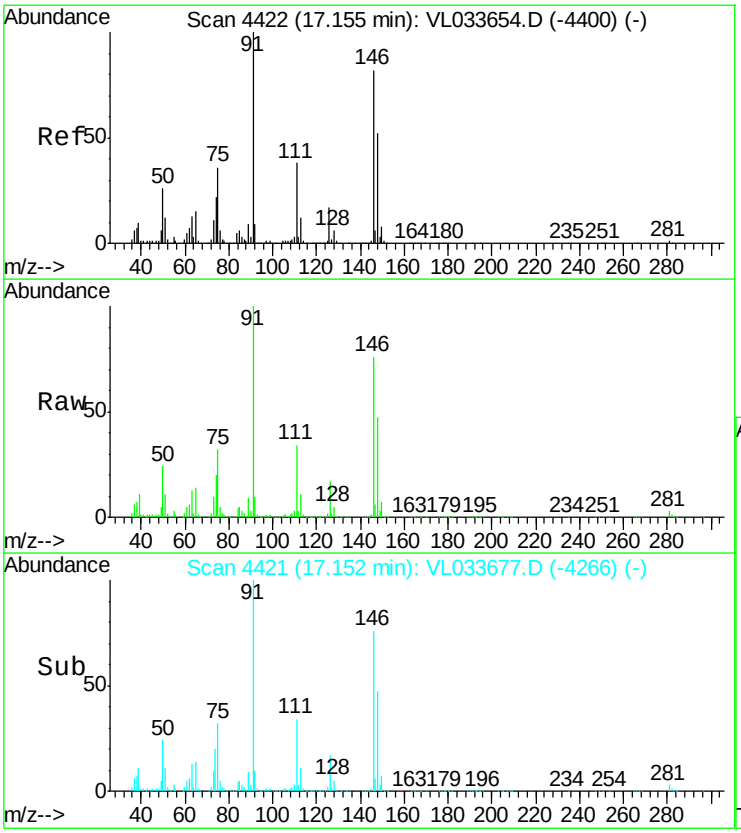
#65
tert-Butylbenzene
Concen: 9.157 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3556007

Ion	Ratio	Lower	Upper
119	100		
91	81.9	65.9	98.9
134	19.6	15.5	23.3

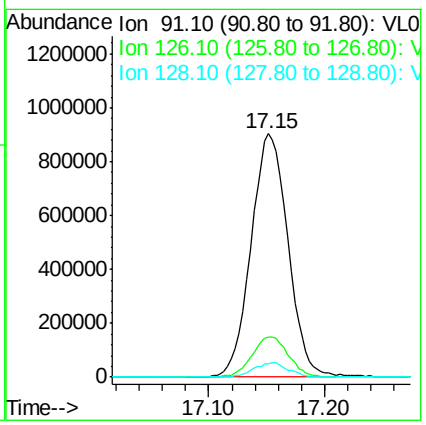


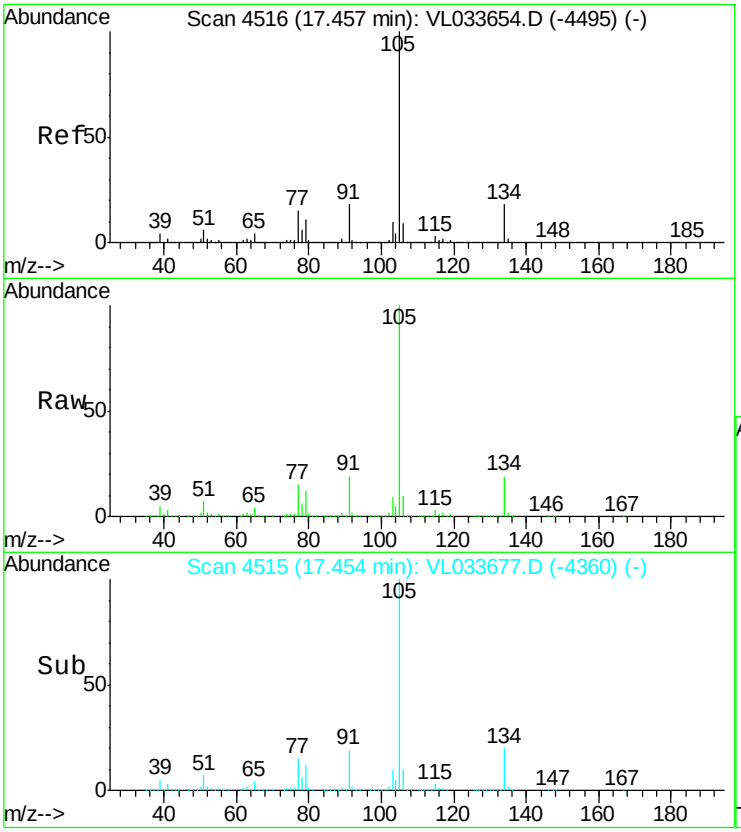


#66
Benzyl Chloride
Concen: 11.309 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 91 Resp: 1997858

Ion	Ratio	Lower	Upper
91	100		
126	16.5	13.4	20.2
128	5.6	4.4	6.6



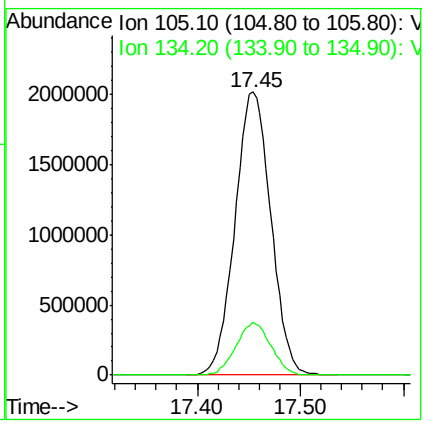


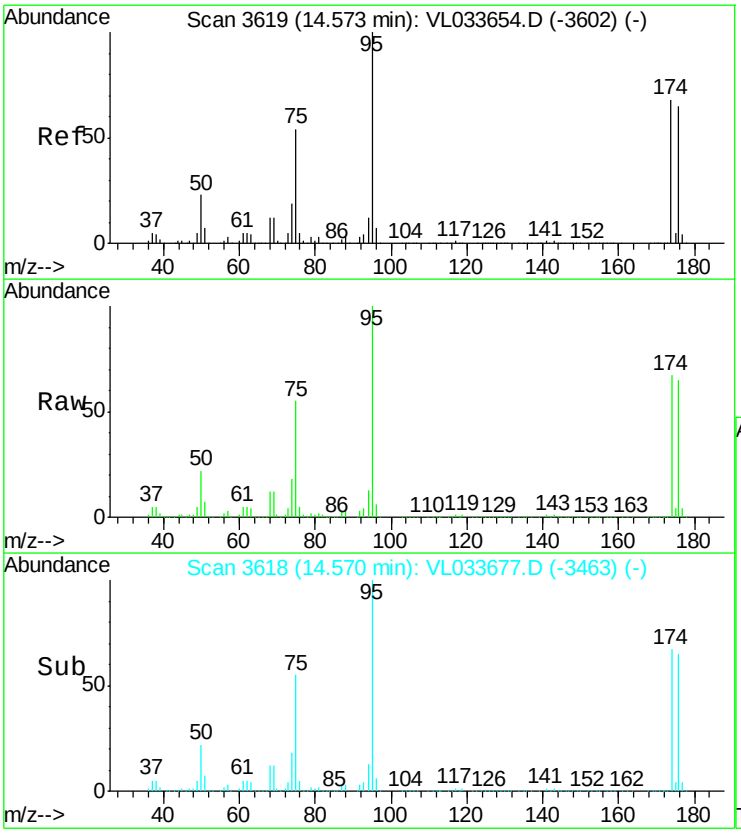
#67
sec-Butylbenzene
Concen: 9.005 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4878859

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	22.0

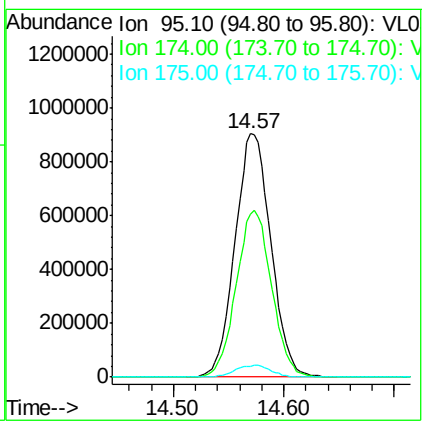


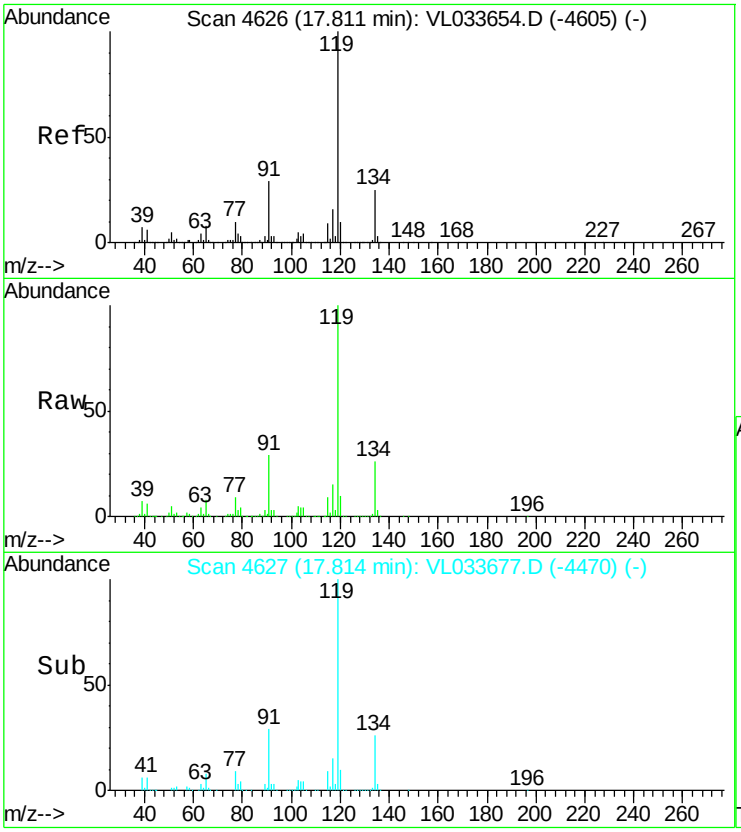


#68
1-Bromo-4-Fluorobenzene
Concen: 9.301 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 95 Resp: 2033519

Ion	Ratio	Lower	Upper
95	100		
174	67.7	54.0	81.0
175	4.8	3.8	5.8



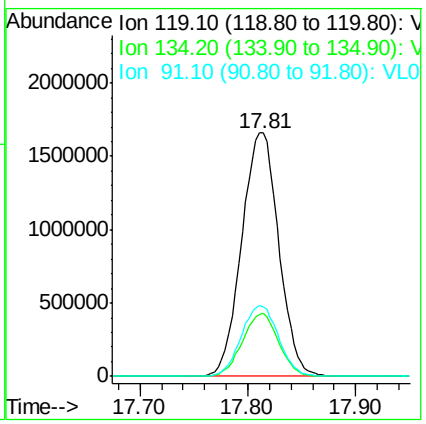


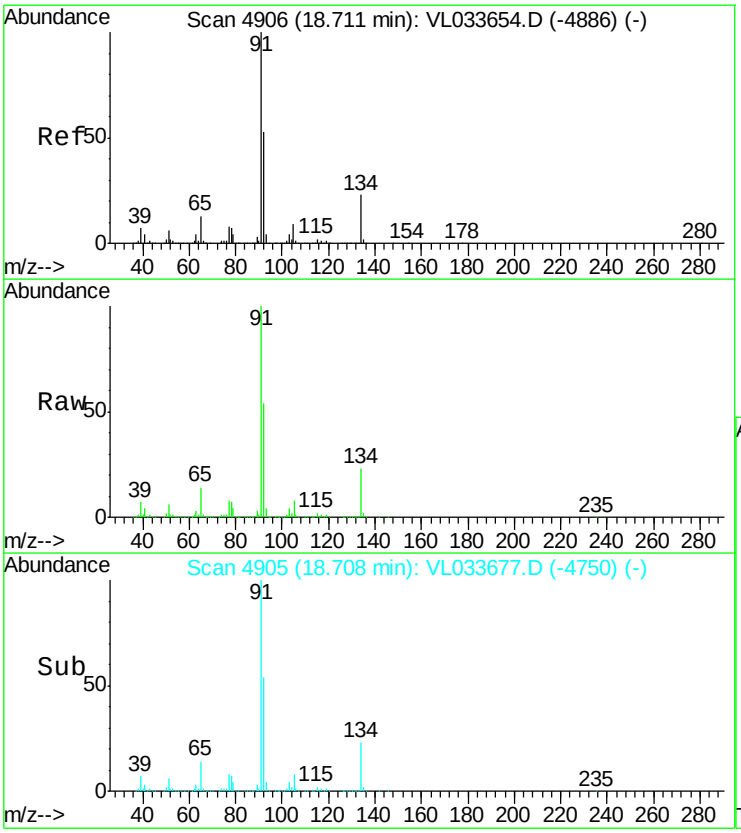
#69
p-Isopropyltoluene
Concen: 8.863 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3956635

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.2
91	29.3	23.4	35.2

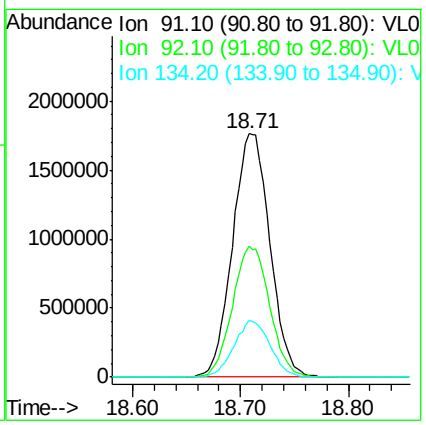


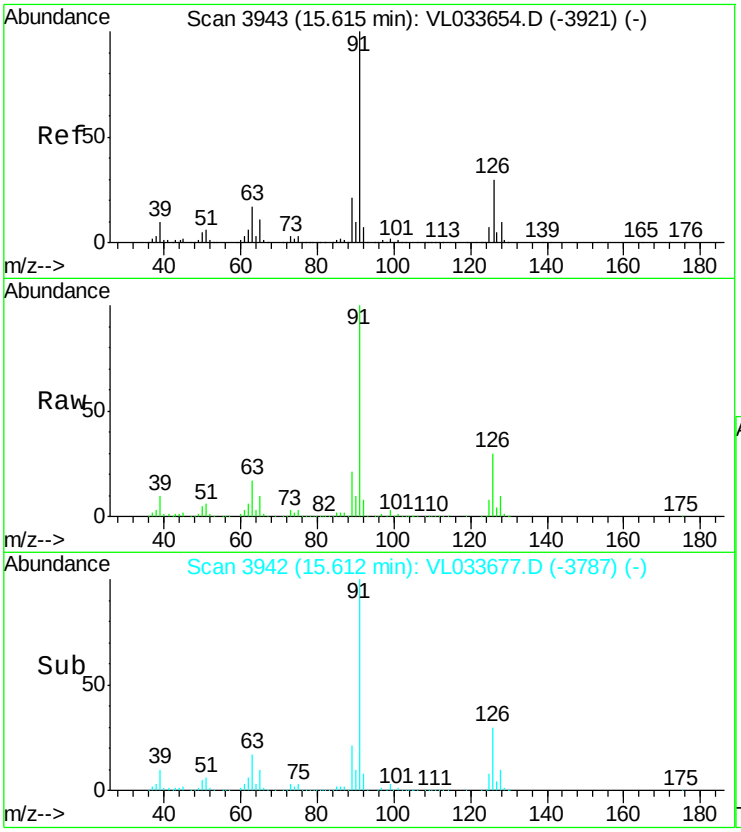


#70
n-Butylbenzene
Concen: 8.947 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 91 Resp: 4235652

Ion	Ratio	Lower	Upper
91	100		
92	53.6	42.5	63.7
134	22.5	18.0	27.0



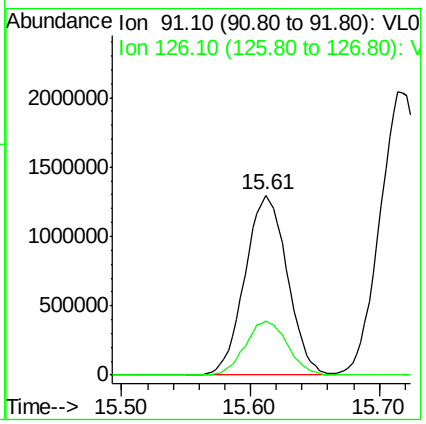


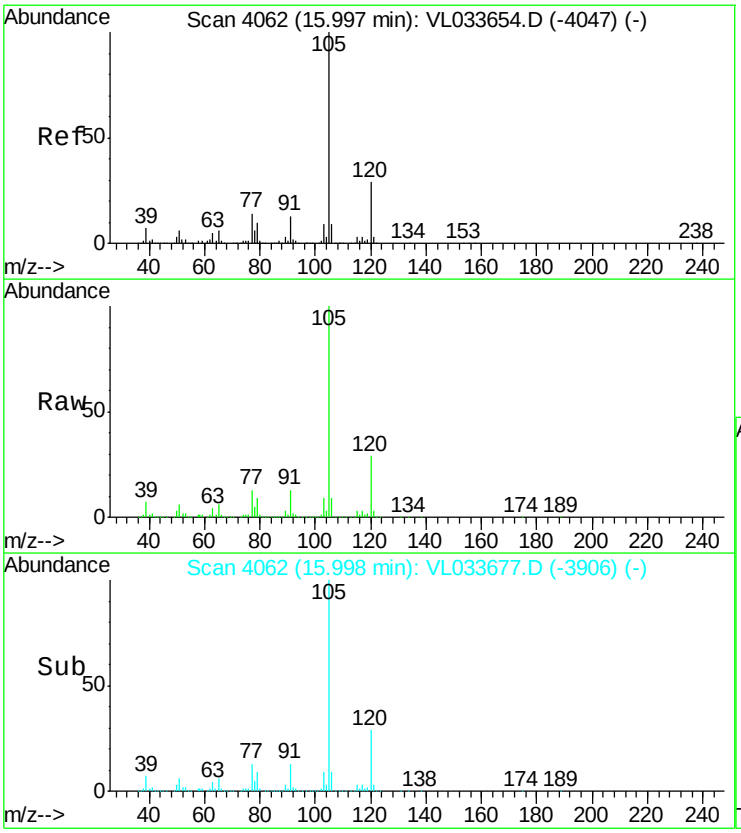
#71
2-Chlorotoluene
Concen: 9.468 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2961470

Ion	Ratio	Lower	Upper
91	100		
126	30.0	12.0	47.8

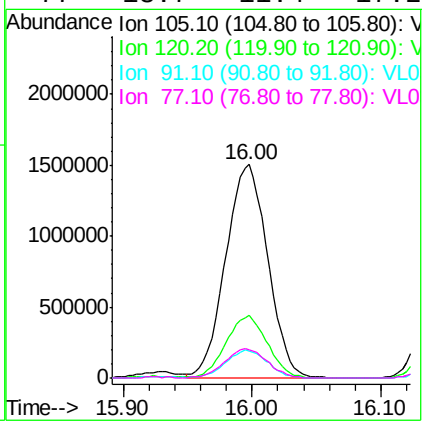


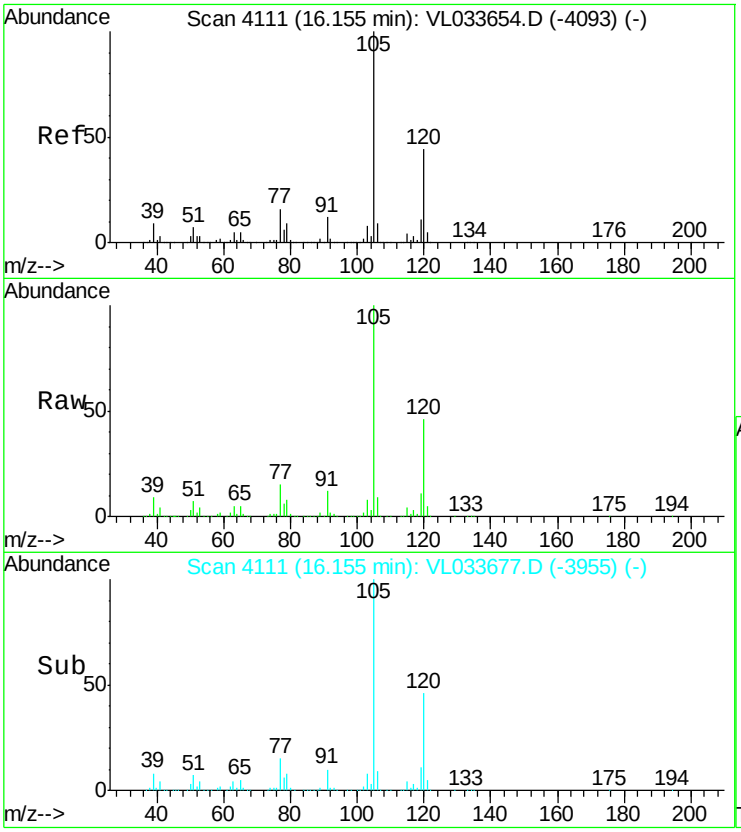


#72
4-Ethyltoluene
Concen: 9.353 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:105 Resp: 3408728

Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.0	34.6
91	12.9	10.5	15.7
77	13.7	11.4	17.2



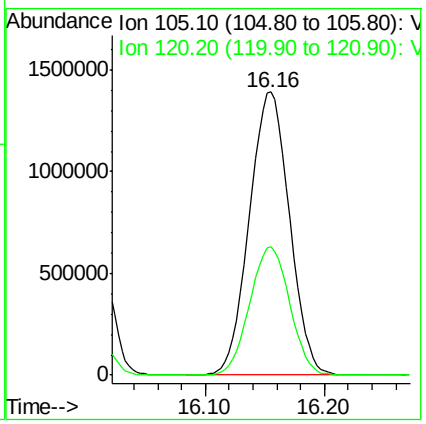


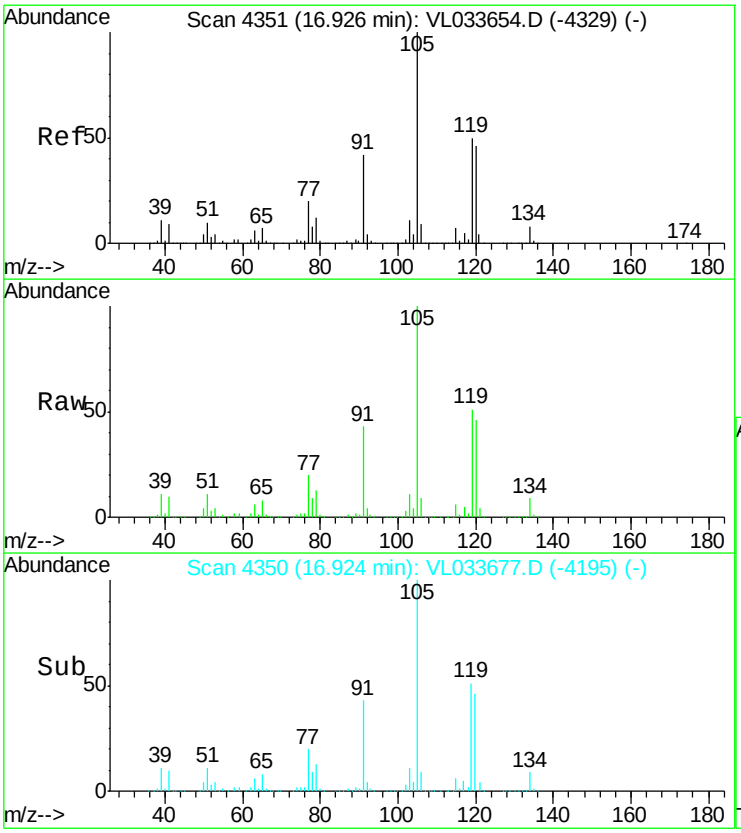
#73
1,3,5-Trimethylbenzene
Concen: 9.182 ppbv
RT: 16.16 min Scan# 4111
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3235368

Ion	Ratio	Lower	Upper
105	100		
120	45.6	35.5	53.3

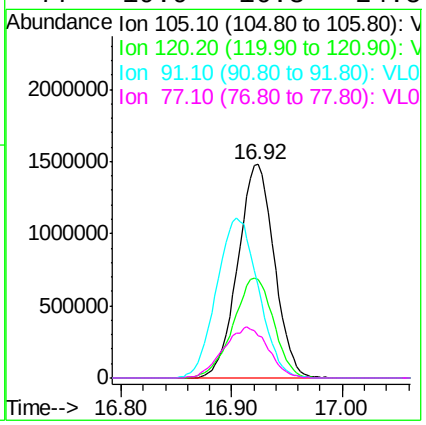


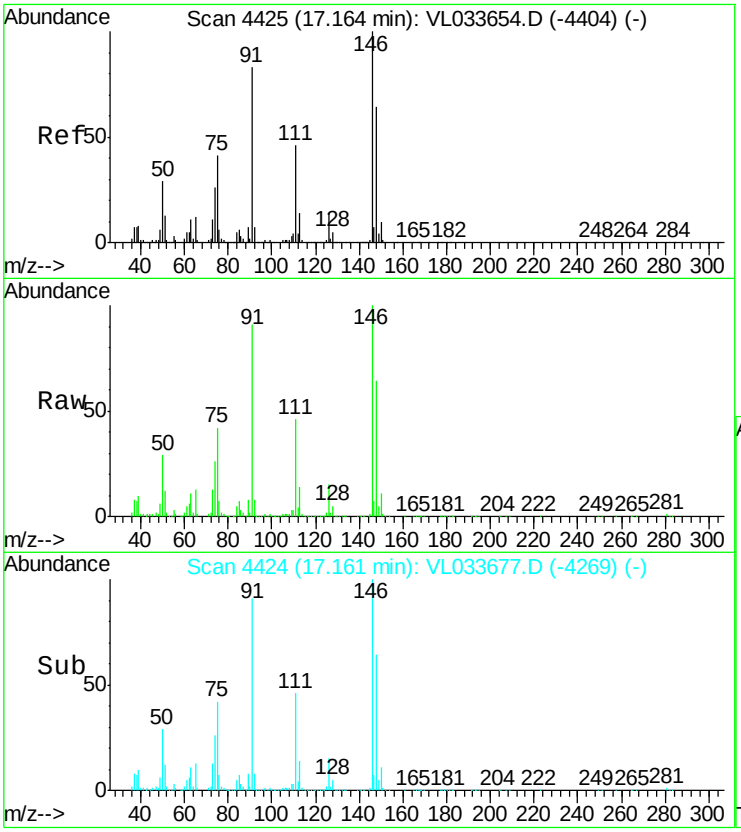


#74
1,2,4-Trimethylbenzene
Concen: 8.650 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:105 Resp: 3388157

Ion	Ratio	Lower	Upper
105	100		
120	46.1	36.5	54.7
91	43.3	33.7	50.5
77	19.9	16.3	24.5



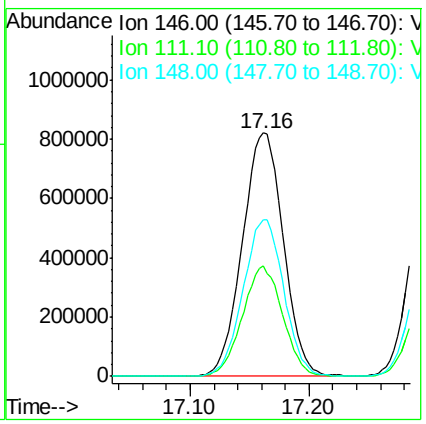


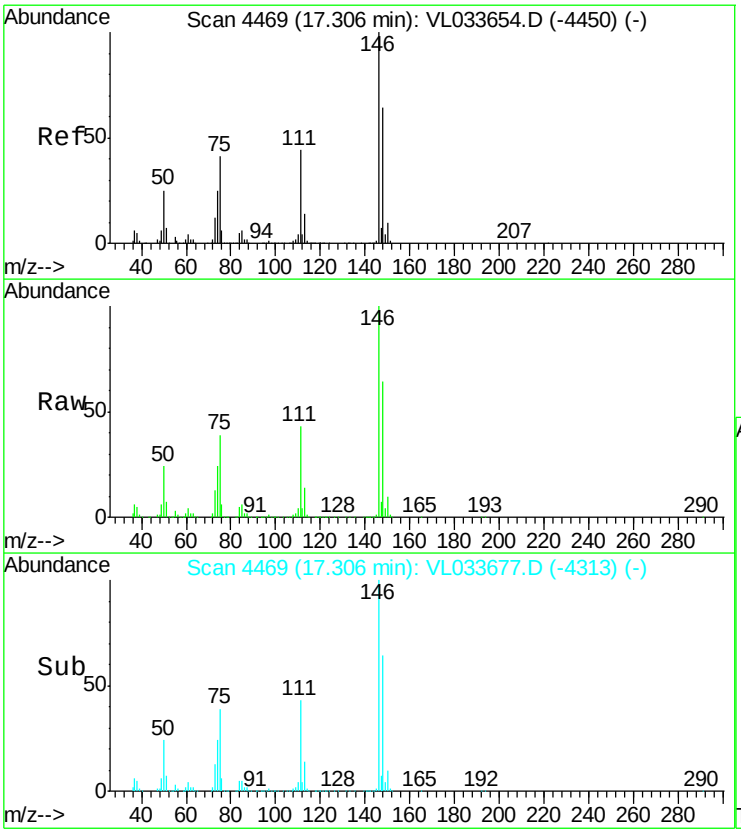
#75
1,3-Dichlorobenzene
Concen: 8.284 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 1959914

Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.6	67.7
148	63.9	31.8	95.4

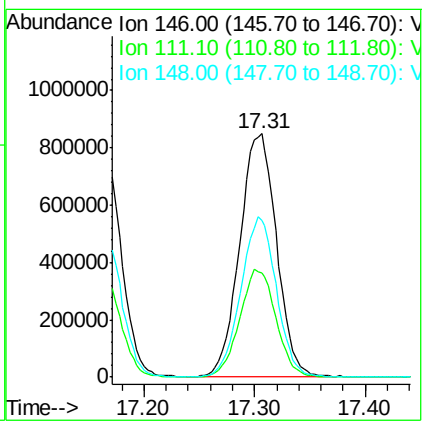


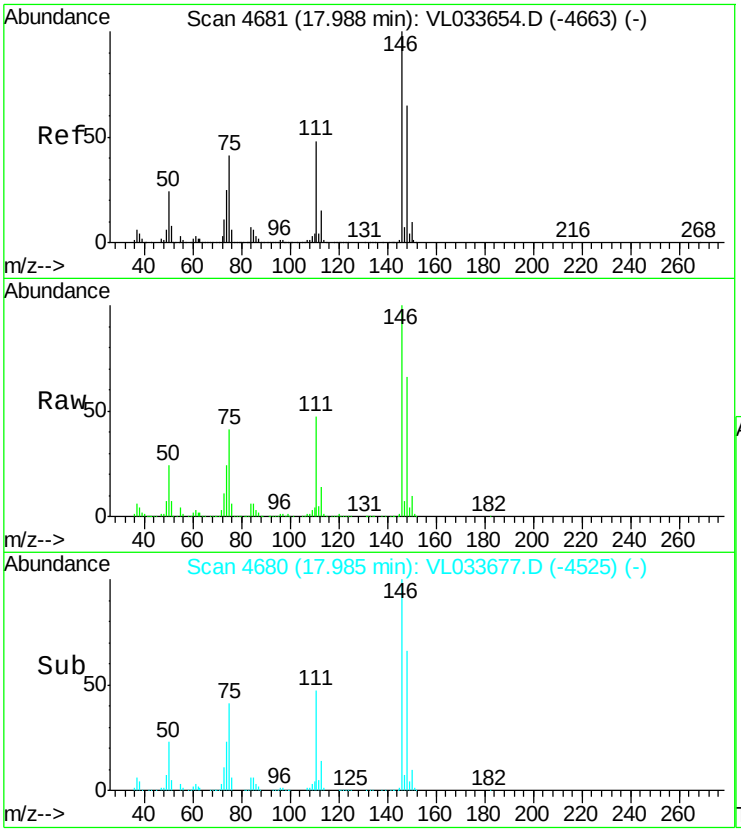


#76
1,4-Dichlorobenzene
Concen: 8.740 ppbv
RT: 17.31 min Scan# 4469
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:146 Resp: 1962302

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.0	66.0
148	64.0	32.1	96.5



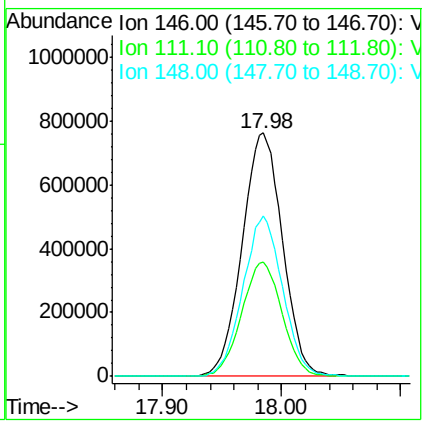


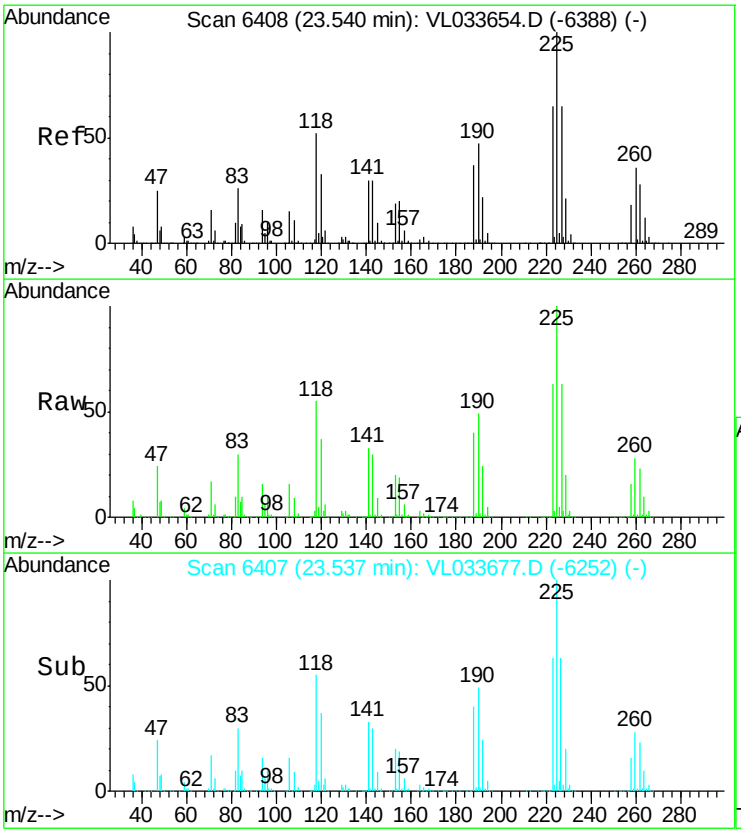
#77
1,2-Dichlorobenzene
Concen: 8.168 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 1790186

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.4	70.0
148	64.8	31.9	95.9

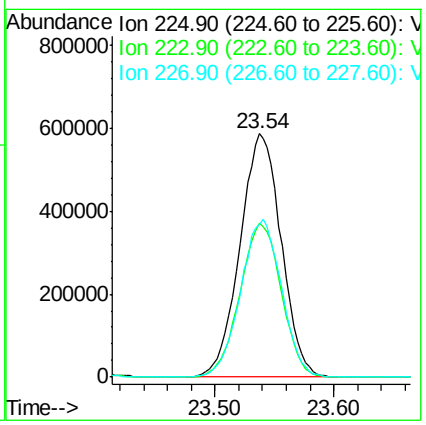


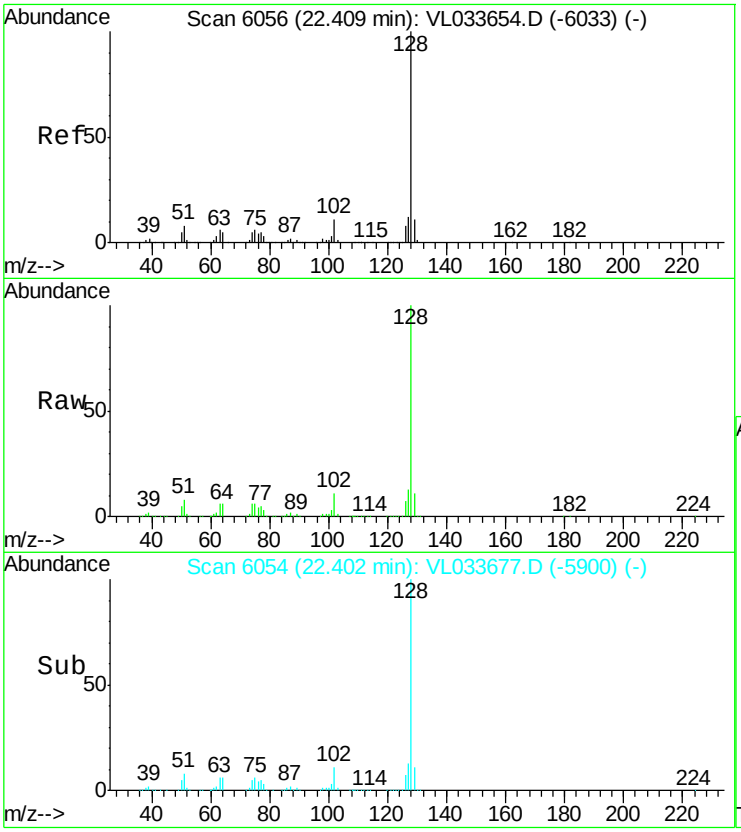


#78
Hexachloro-1,3-Butadiene
Concen: 8.092 ppbv
RT: 23.54 min Scan# 6407
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:225 Resp: 1405646

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.7	76.1
227	64.4	51.4	77.2



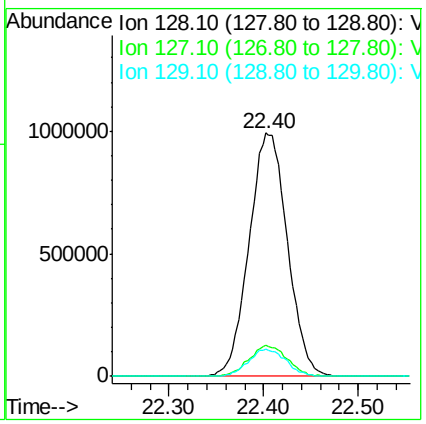


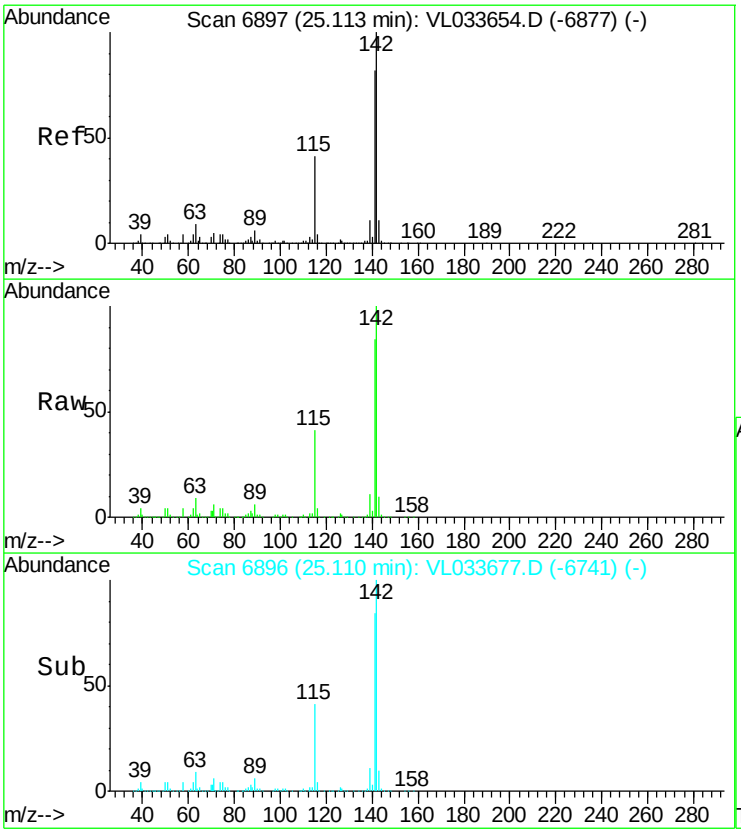
#79
Naphthalene
Concen: 7.802 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2789964

Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.8	14.8
129	11.0	8.8	13.2

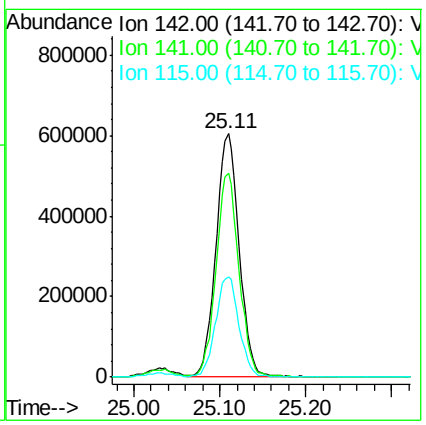


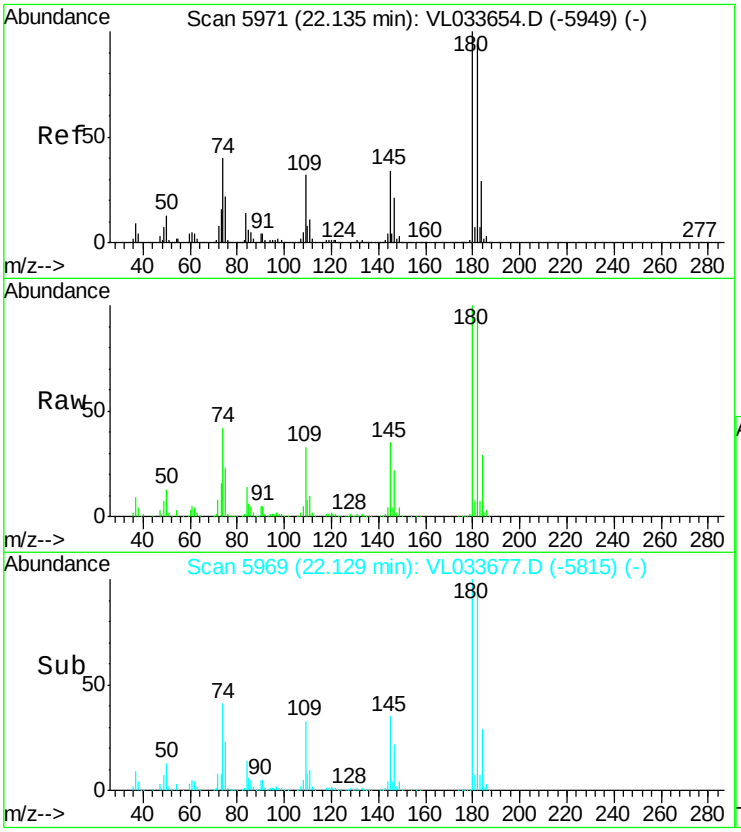


#80
Naphthalene,2-methyl-
Concen: 8.390 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:142 Resp: 1134223

Ion	Ratio	Lower	Upper
142	100		
141	82.9	67.9	101.9
115	41.7	34.2	51.4





#81
1,2,4-Trichlorobenzene
Concen: 7.455 ppbv
RT: 22.13 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1548908

Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.4	116.0
184	30.3	24.6	36.8