Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031319\

Quantitation Report (Not Reviewed)

Data File : VL033299.D
Acq On : 13 Mar 2019 16:31
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Mar 13 17:28:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	812808	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1895938	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2736318	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1701942	8.05	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	965354	5.881	ppbv	99
3) Chlorodifluoromethane	3.01	51	962659	8.929	ppbv	100
4) Chloromethane	3.17	50	505410	8.768	ppbv	98
5) Vinyl Chloride	3.29	62	499480	8.873	ppbv	98
6) Bromomethane	3.51	94	310949	9.043	ppbv	93
7) Chloroethane	3.60	64	187416	9.207	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1227874	8.848	ppbv	99
9) Propene	3.04	41	430328	8.755	ppbv	100
10) Heptane	8.25	43	1086542	9.815	ppbv	100
11) Trichlorofluoromethane	4.00	101	1349315	8.305	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	895826	9.633	ppbv	100
13) Ethanol	3.65	45	96341	6.425	ppbv	96
14) Bromoethene	3.79	108	391995	9.038	ppbv	99
15) Acetone	3.90	43	881986	7.074	ppbv	99
16) 1,3-Butadiene	3.36	39	451197	10.022	ppbv	90
17) tert-Butyl alcohol	4.35	59	178419	10.663	ppbv	100
18) 1,1-Dichloroethene	4.35	96	398230	9.675	ppbv	94
19) Isopropyl Alcohol	4.02	45	638716	8.476	ppbv	100
20) Methylene Chloride	4.41	84	345786	8.341	ppbv	97
21) Allyl Chloride	4.48	41	623706	10.063	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	414286	9.438	ppbv	99
23) Vinyl Acetate	5.16	43	1528990	9.787	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1051167	9.278	ppbv	99
25) Ethyl Acetate	5.77	43	1823391	9.490	ppbv	99
26) Hexane	5.78	57	816629	9.055	ppbv	99
27) Carbon Disulfide	4.62	76	1019710	10.657	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1264531	9.880	ppbv	98
29) Chloroform	5.85	83	1330614	9.698	ppbv	100
30) Cyclohexane	7.25	84	685724	9.808	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	846885	9.796	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	1336039	9.994	ppbv	100
34) 2-Butanone	5.33	43	1193237	9.518	ppbv	100
35) Carbon Tetrachloride	7.14	117	1369135	9.883	ppbv	98
36) Benzene	7.00	78	1719180	9.832	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1047651	9.990	ppbv	100
38) Trichloroethene	7.96	130	652070	9.567	ppbv	98
39) 1,2-Dichloropropane	7.74	63	646712	9.828	ppbv	98
40) 1,4-Dioxane	7.95	88	265416	10.717	ppbv	71
41) Tetrahydrofuran	6.15	42	684157	9.829	ppbv	99
42) Bromodichloromethane	7.92	83	1484650	10.283	ppbv	100
43) Methyl Methacrylate	8.14	69	707818	10.385	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031319\

Quantitation Report (Not Reviewed)

Data File : VL033299.D
Acq On : 13 Mar 2019 16:31
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Mar 13 17:28:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2901275	9.768	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	927634	11.072	ppbv		98
46) cis-1,3-Dichloropropene	8.84	75	1059299	10.787	ppbv		99
47) 1,1,2-Trichloroethane	9.62	97	684133	9.737	ppbv		97
48) Dibromochloromethane	10.45	129	1208913	10.494	ppbv		100
49) Bromoform	13.20	173	1114899	11.940	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	1737297	9.709	ppbv		100
51) 2-Hexanone	10.27	43	1368611	10.020	ppbv	#	99
52) Tetrachloroethene	11.37	164	696875	10.872	ppbv		95
53) Toluene	9.95	91	2003329	9.940	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1233572	11.422	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.28	131	946307	8.136	ppbv	#	59
57) Chlorobenzene	12.30	112	1621922	7.860	ppbv		99
58) Ethyl Benzene	12.87	91	3071409	8.168	ppbv		97
59) m/p-Xylene	13.12	91	2429574	7.726	ppbv	#	32
60) o-Xylene	13.85	91	2418009	7.998	ppbv		99
61) Styrene	13.69	104	1812500	8.418	ppbv		100
62) Isopropylbenzene	14.83	105	3372059	8.005	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1569541	7.745	ppbv		99
64) n-propylbenzene	15.73	120	842700	8.130	ppbv		96
65) tert-Butylbenzene	16.91	119	2890658	8.130	ppbv		99
66) Benzyl Chloride	17.16	91	1420175	10.312	ppbv		100
67) sec-Butylbenzene	17.46	105	4173711	8.247	ppbv		100
69) p-Isopropyltoluene	17.82	119	3485055	8.525	ppbv		100
70) n-Butylbenzene	18.72	91	3835549	8.737	ppbv		100
71) 2-Chlorotoluene	15.62	91	2556096	8.050	ppbv		100
72) 4-Ethyltoluene	16.00	105	2744492	8.404	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	2596663	8.439	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	2689578	8.582	ppbv		95
75) 1,3-Dichlorobenzene	17.17	146	1534332	8.169	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1586733	8.543	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1560090	8.344	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	1139424	7.314	ppbv		100
79) Naphthalene	22.42	128	4127644	12.166	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	1652764	17.780	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1907454	10.680	ppbv		100

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

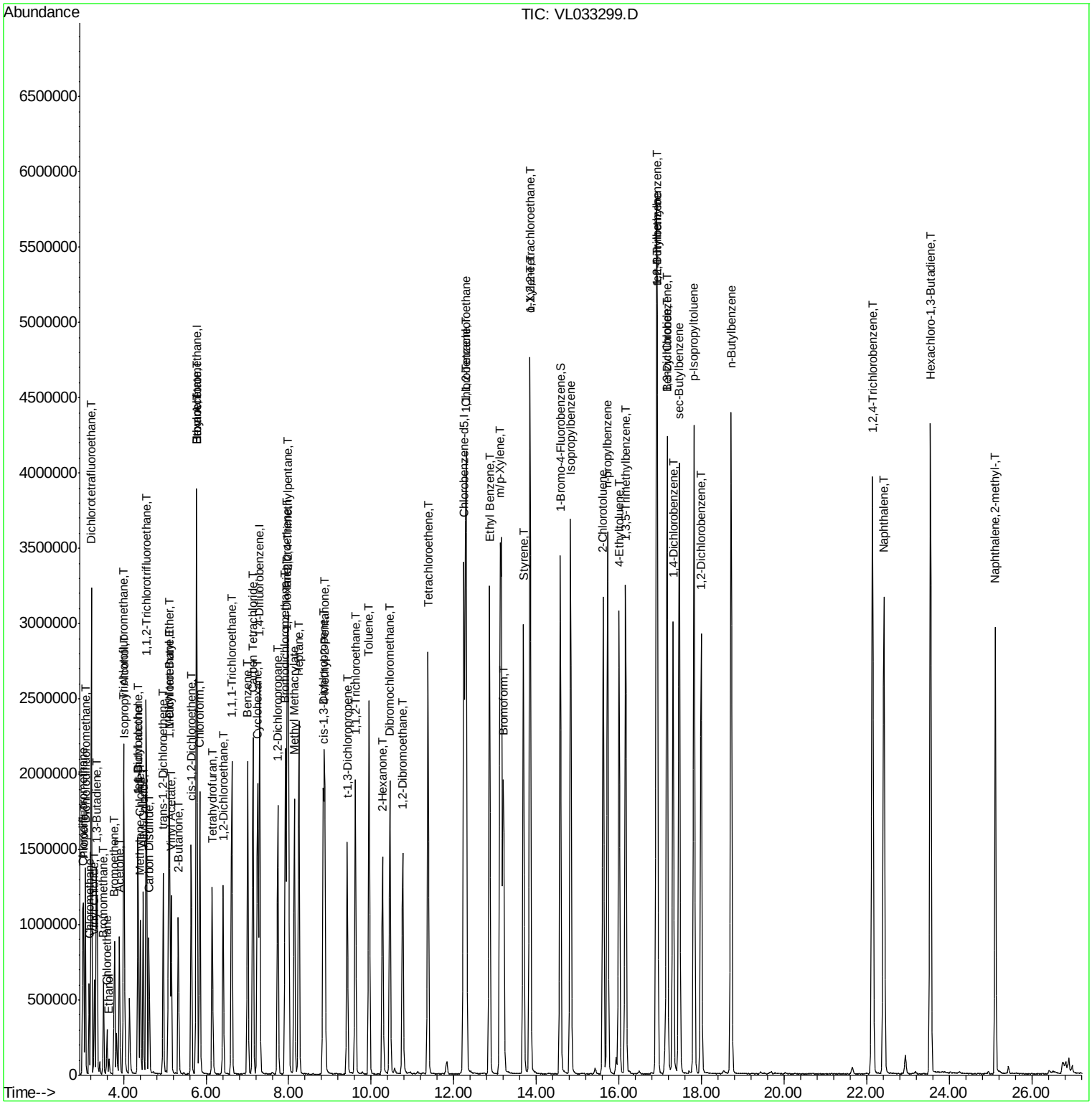
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031319\

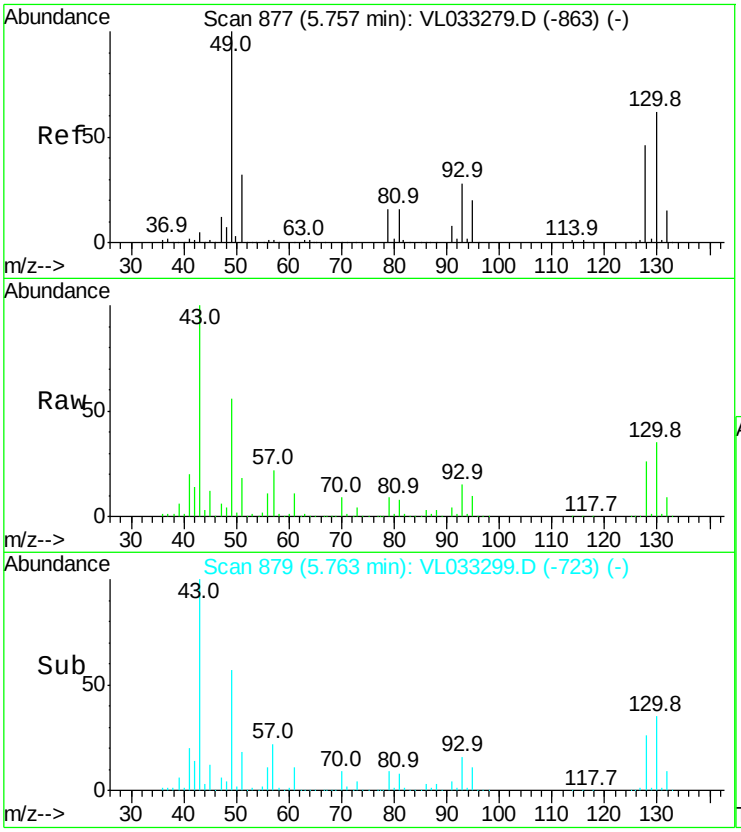
Quantitation Report (Not Reviewed)

Data File : VL033299.D
Acq On : 13 Mar 2019 16:31
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Mar 13 17:28:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration



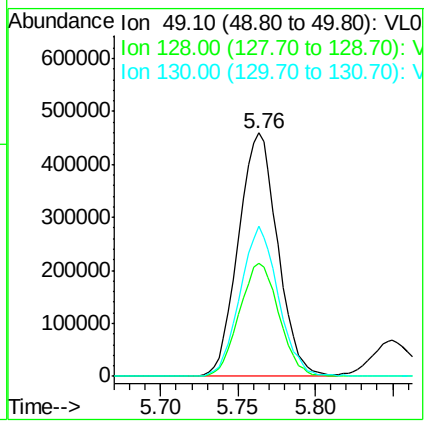


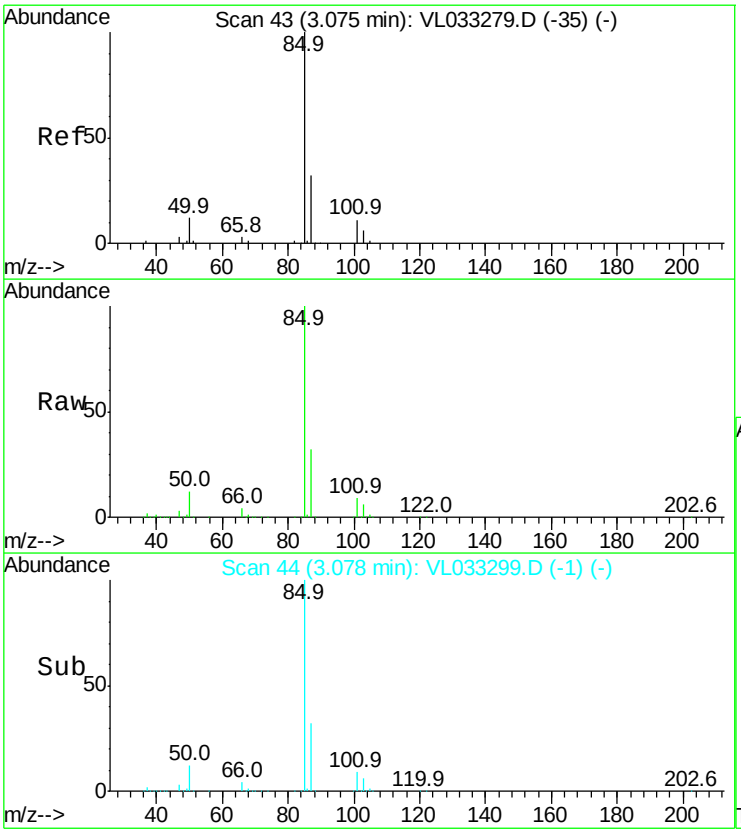
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 812808

Ion	Ratio	Lower	Upper
49	100		
128	46.9	23.3	69.9
130	59.8	30.0	90.1

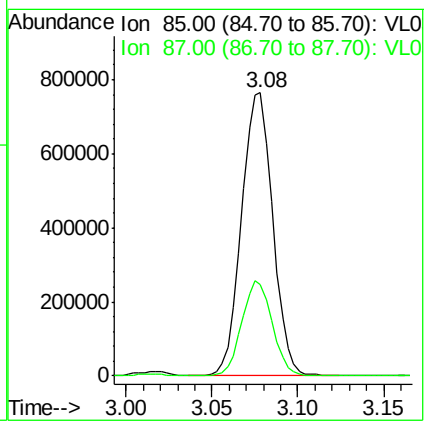


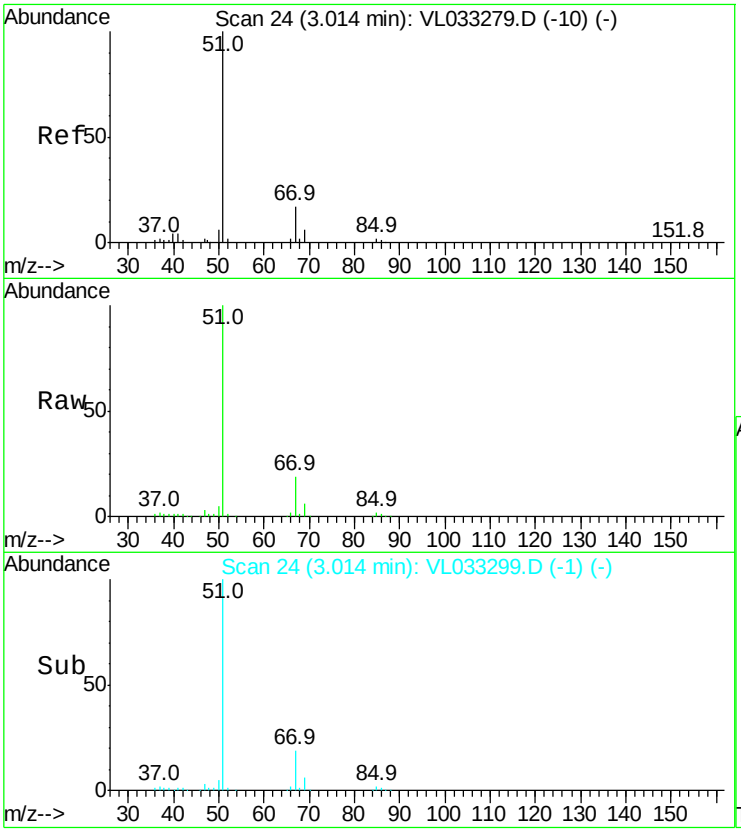


#2
Dichlorodifluoromethane
Concen: 5.881 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 85 Resp: 965354

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.4	39.6

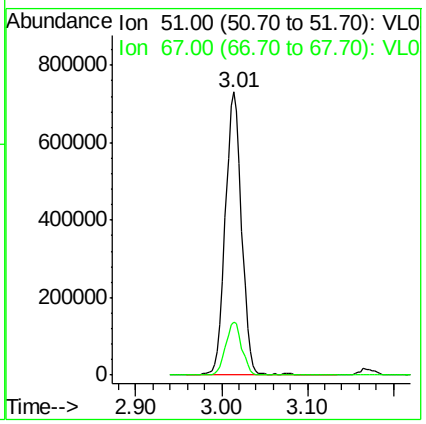




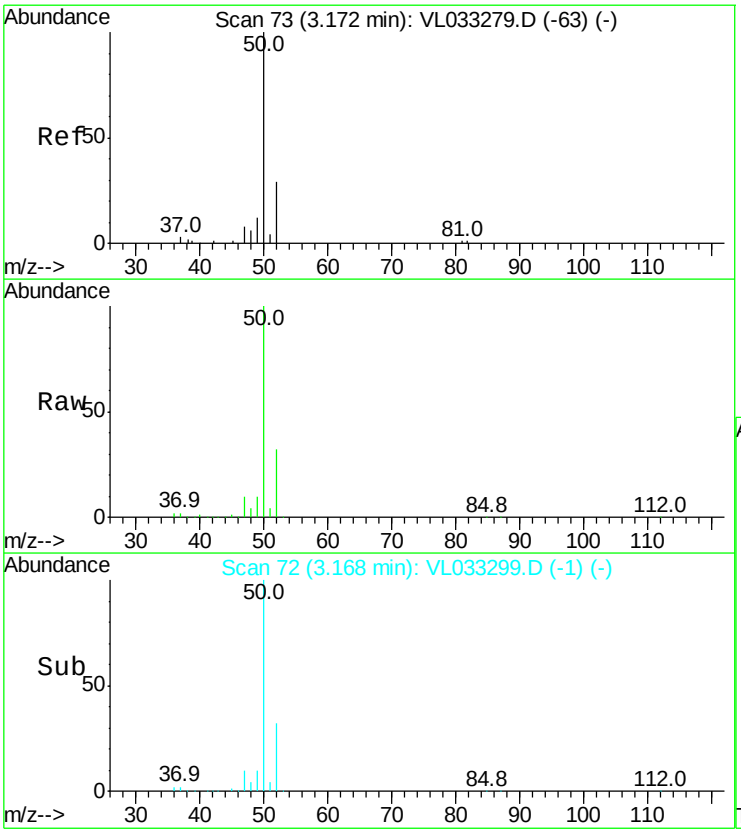
#3
Chlorodifluoromethane
Concen: 8.929 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 51 Resp: 962659

Ion	Ratio	Lower	Upper
51	100		
67	18.6	15.0	22.4



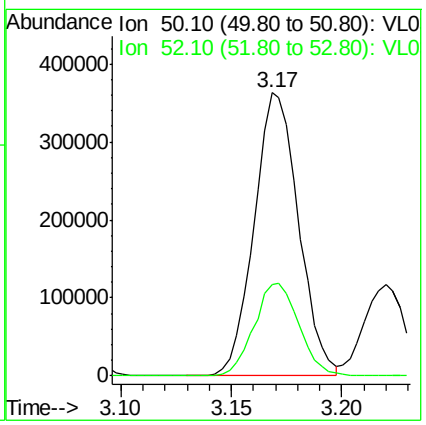
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

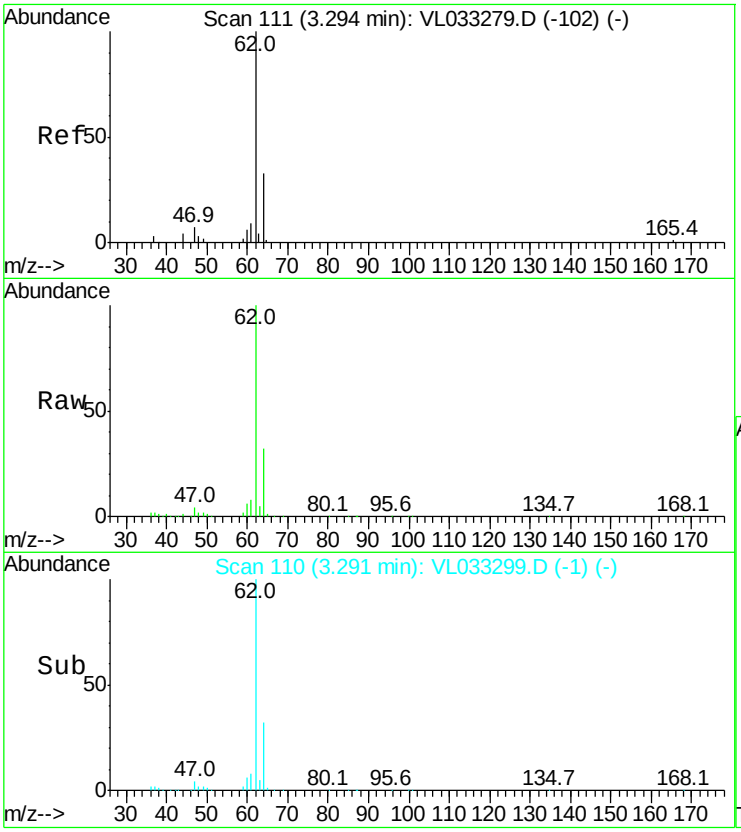


#4
Chloromethane
Concen: 8.768 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 50 Resp: 505410

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.6	39.8



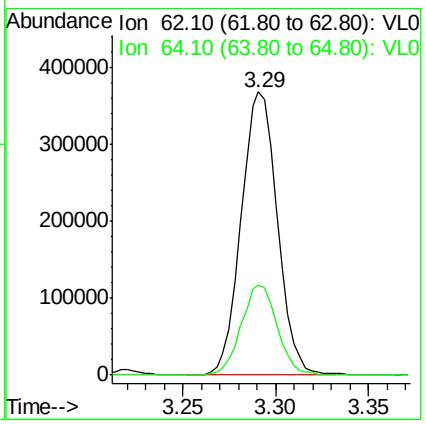


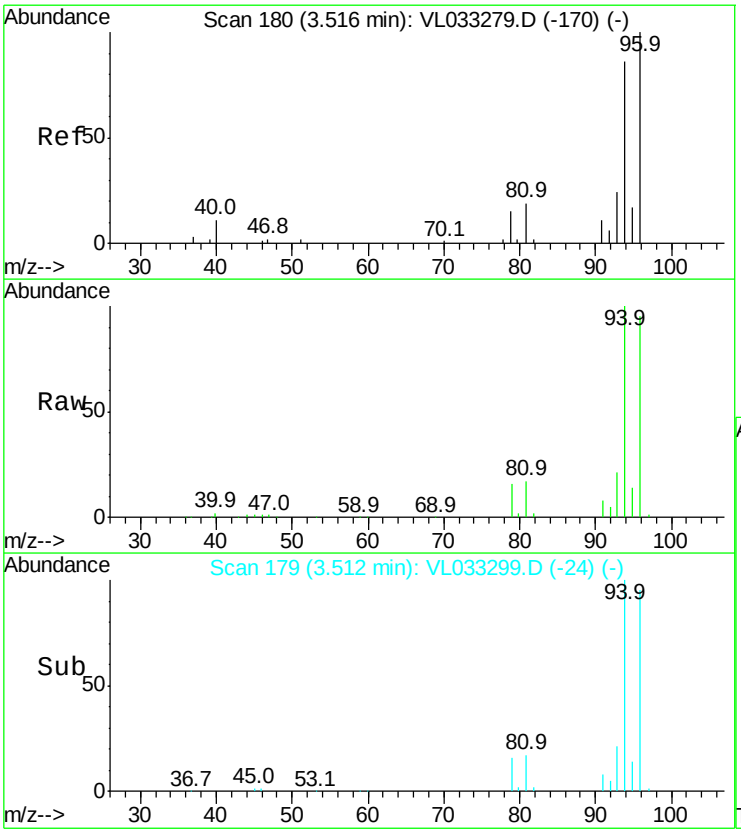
#5
Vinyl Chloride
Concen: 8.873 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 499480

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.5	36.7

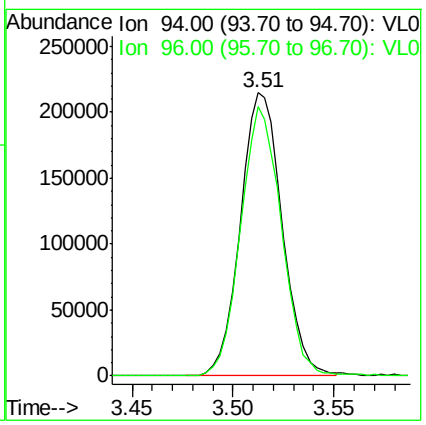


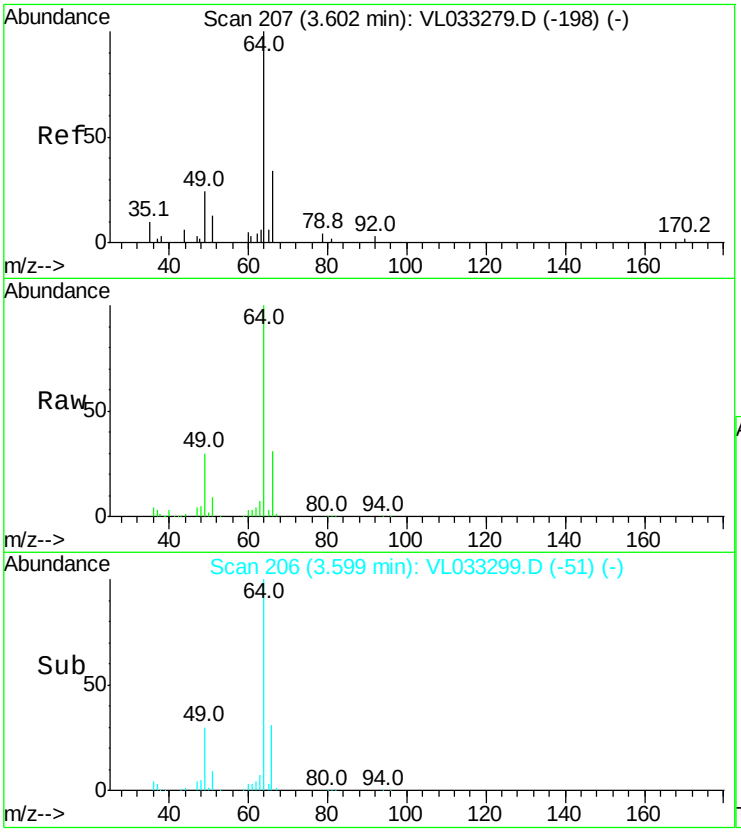


#6
Bromomethane
Concen: 9.043 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 94 Resp: 310949

Ion	Ratio	Lower	Upper
94	100		
96	95.3	71.3	106.9



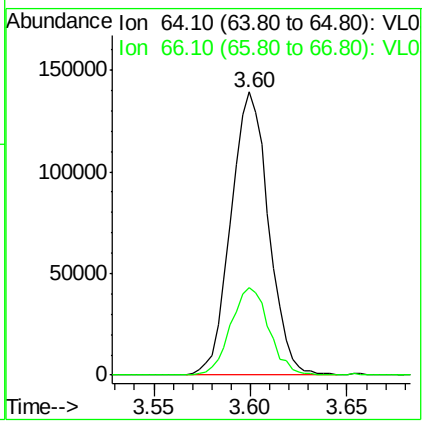


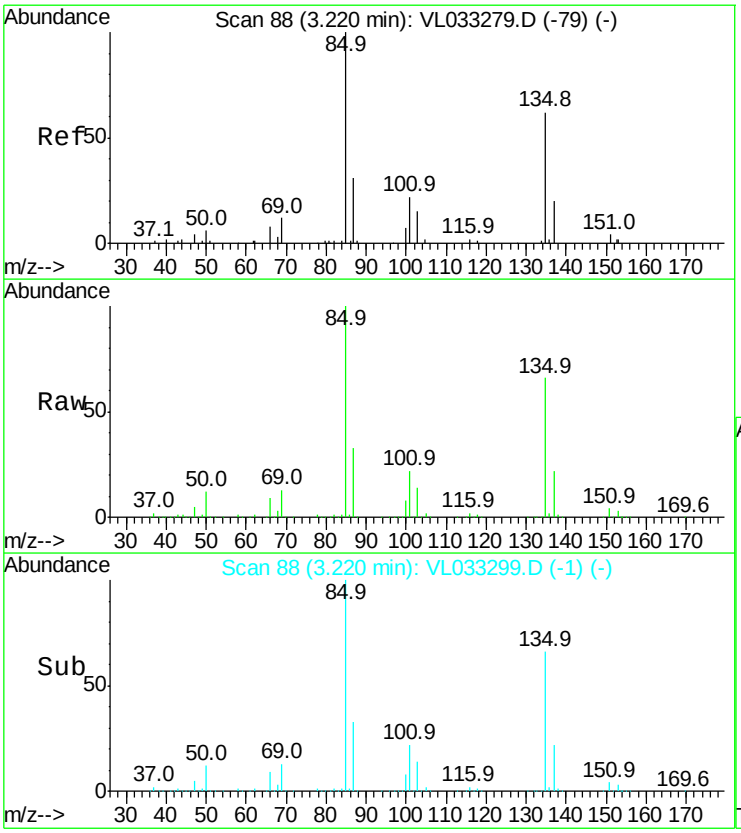
#7
Chloroethane
Concen: 9.207 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 64 Resp: 187416

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.2	39.2

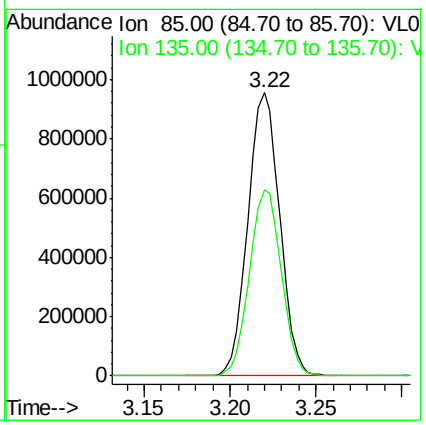


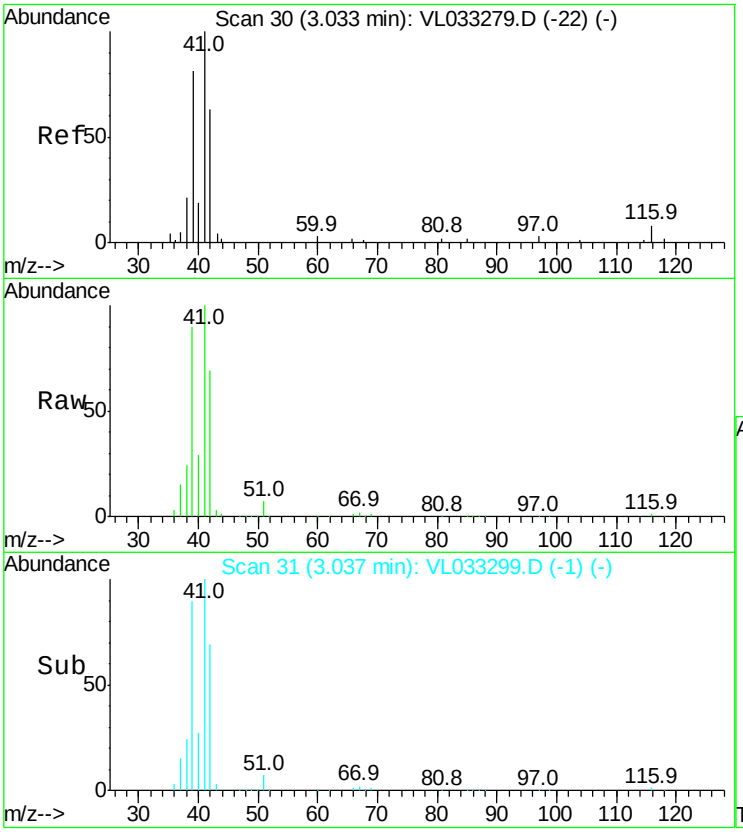


#8
Dichlorotetrafluoroethane
Concen: 8.848 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 85 Resp: 1227874

Ion	Ratio	Lower	Upper
85	100		
135	66.1	53.4	80.2



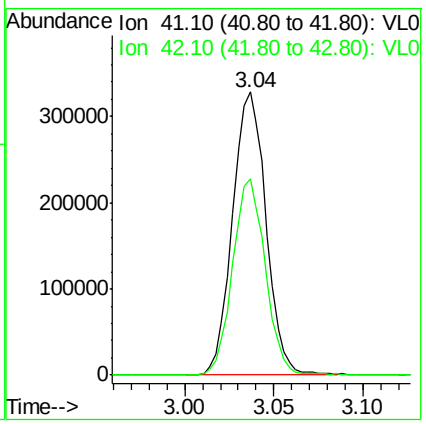


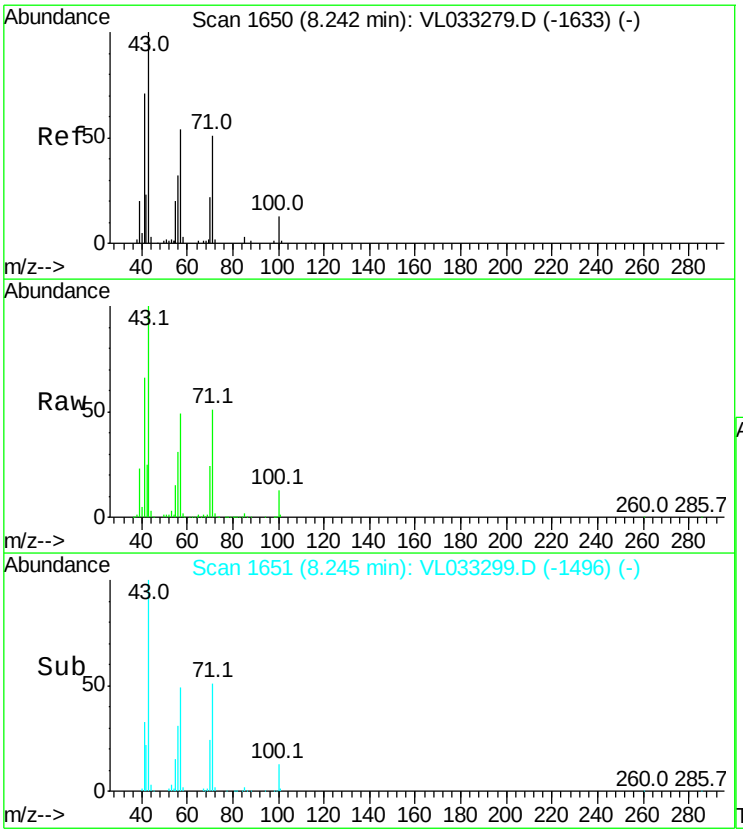
#9
Propene
Concen: 8.755 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 41 Resp: 430328

Ion	Ratio	Lower	Upper
41	100		
42	68.0	54.6	82.0

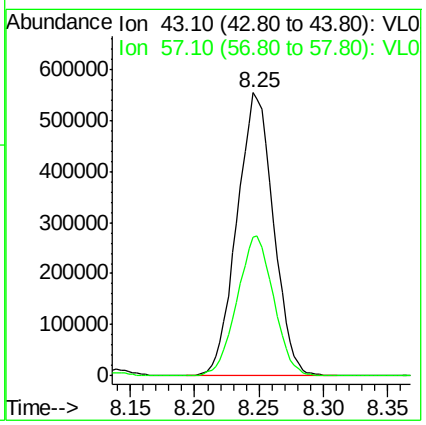


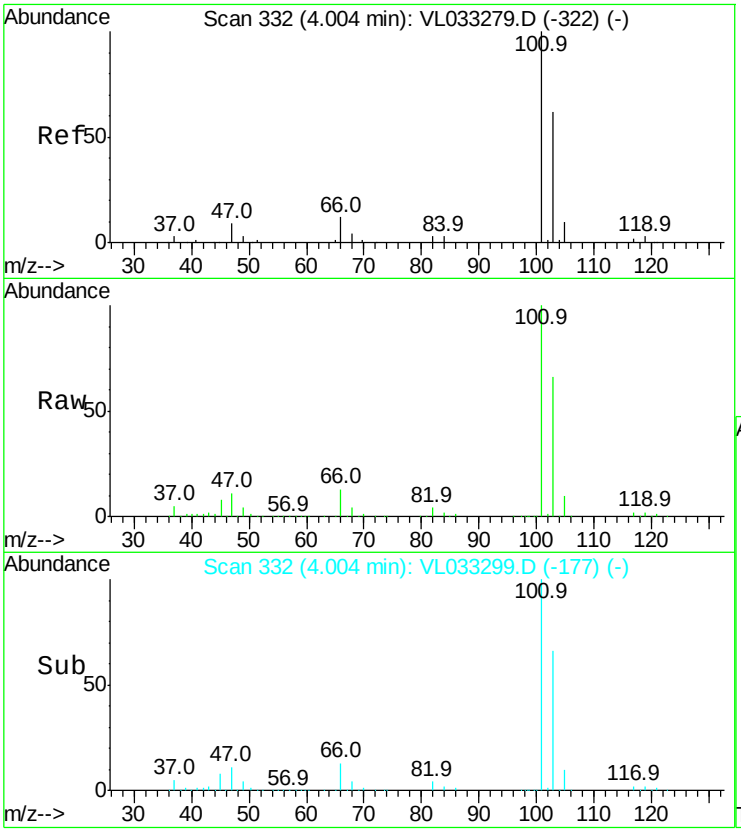


#10
Heptane
Concen: 9.815 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 43 Resp: 1086542

Ion	Ratio	Lower	Upper
43	100		
57	49.5	39.8	59.8



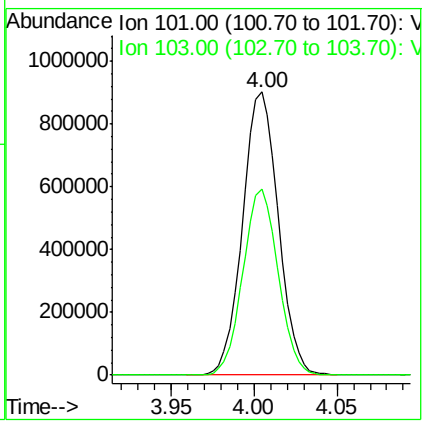


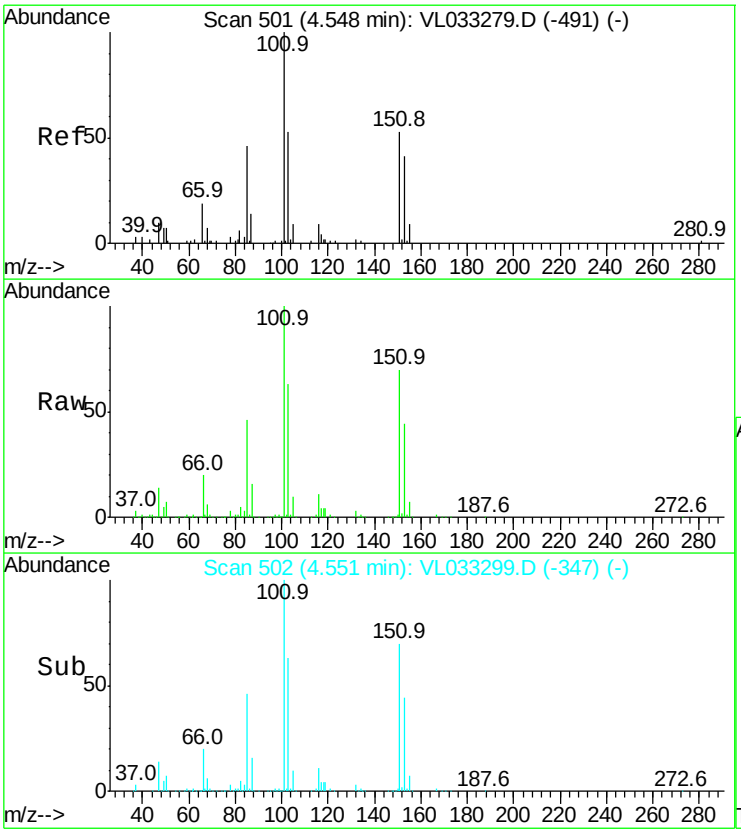
#11
Trichlorofluoromethane
Concen: 8.305 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 1349315

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.8	77.8

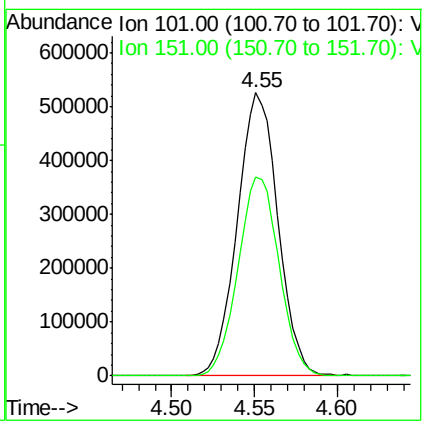


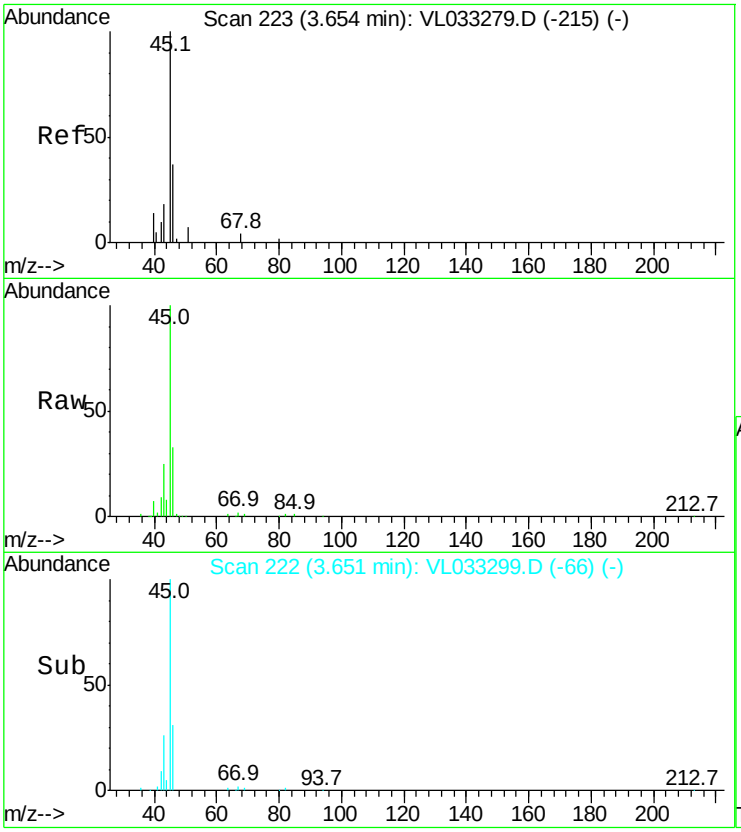


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.633 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:101 Resp: 895826

Ion	Ratio	Lower	Upper
101	100		
151	71.5	56.9	85.3



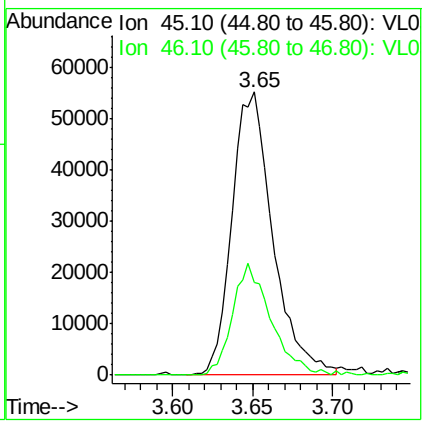


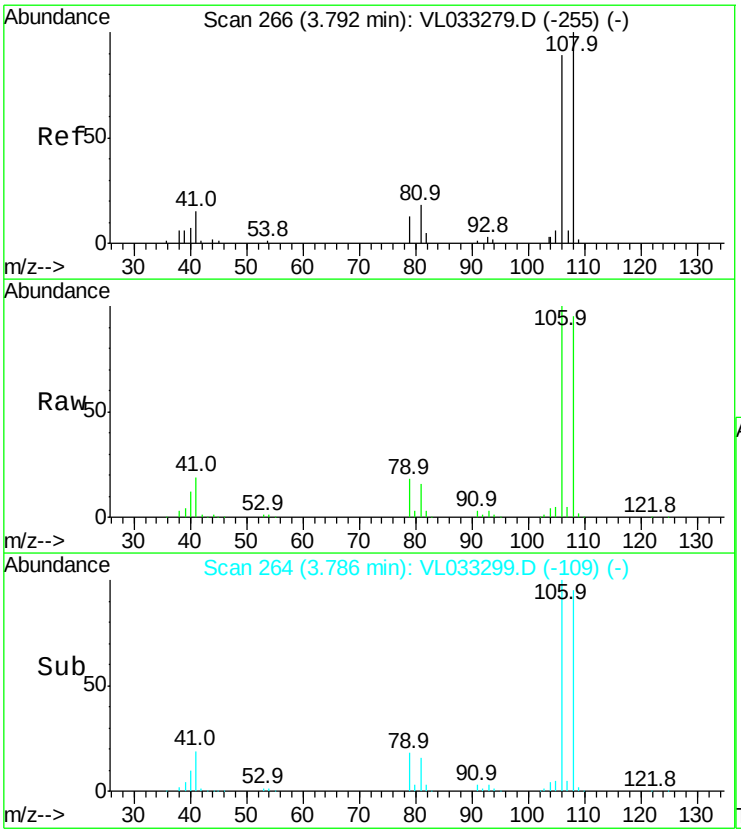
#13
Ethanol
Concen: 6.425 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 96341

Ion	Ratio	Lower	Upper
45	100		
46	37.2	13.9	55.7

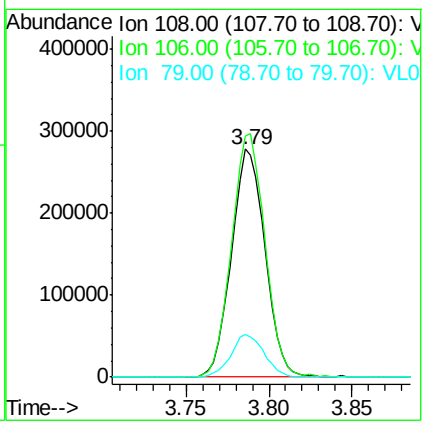


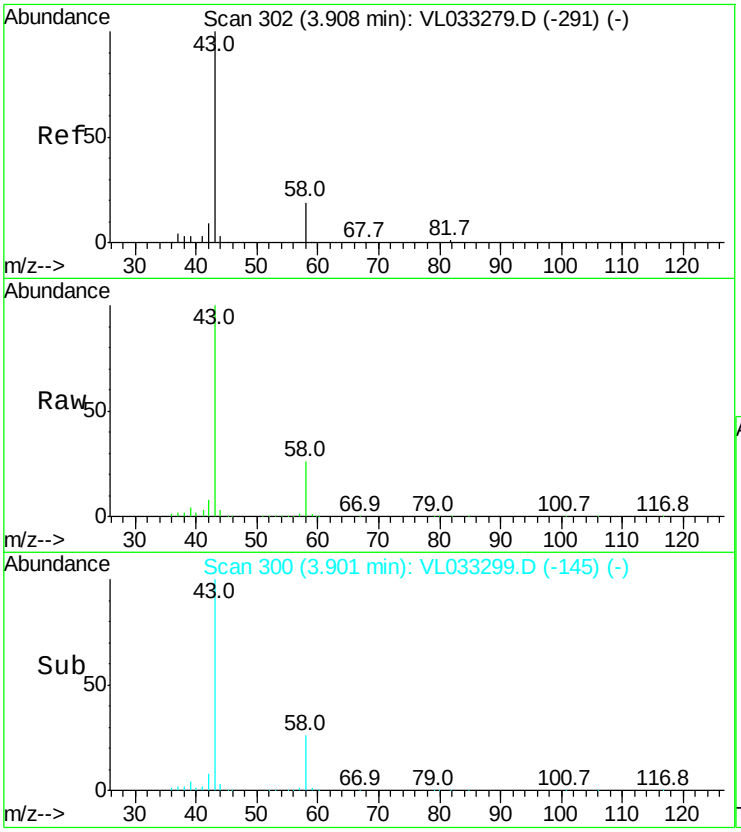


#14
Bromoethene
Concen: 9.038 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:108 Resp: 391995

Ion	Ratio	Lower	Upper
108	100		
106	106.4	85.9	128.9
79	18.8	14.9	22.3



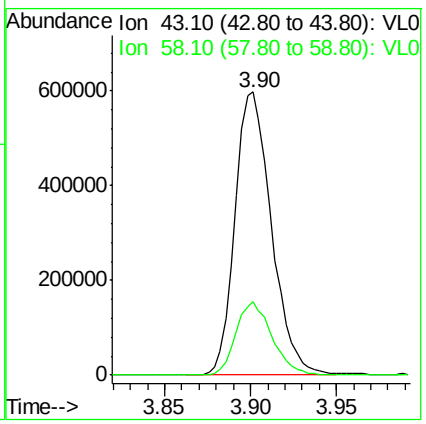


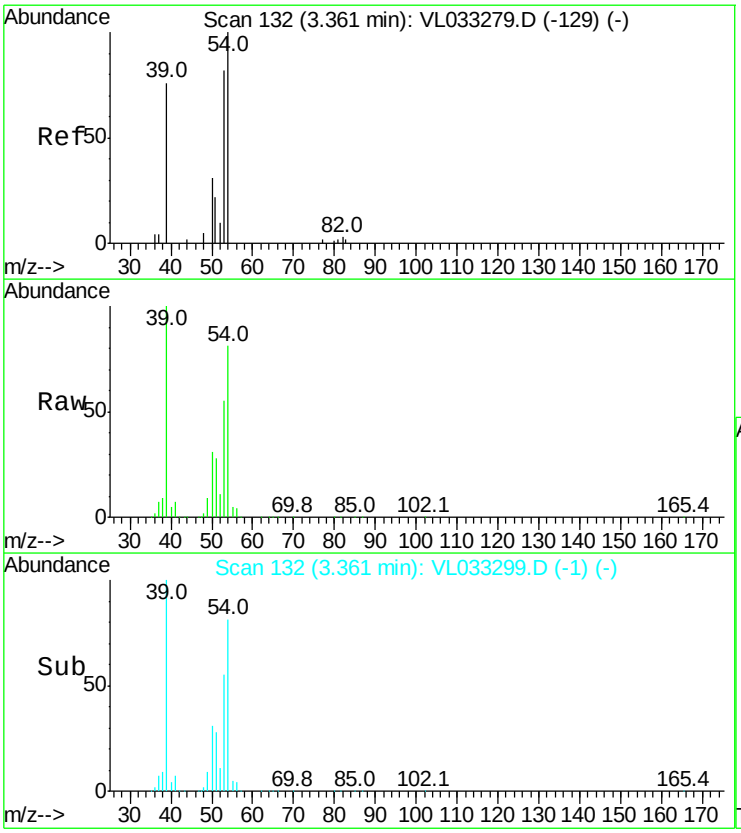
#15
Acetone
Concen: 7.074 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 881986

Ion	Ratio	Lower	Upper
43	100		
58	25.8	21.1	31.7

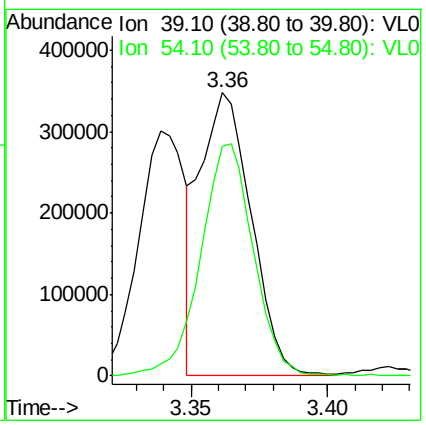


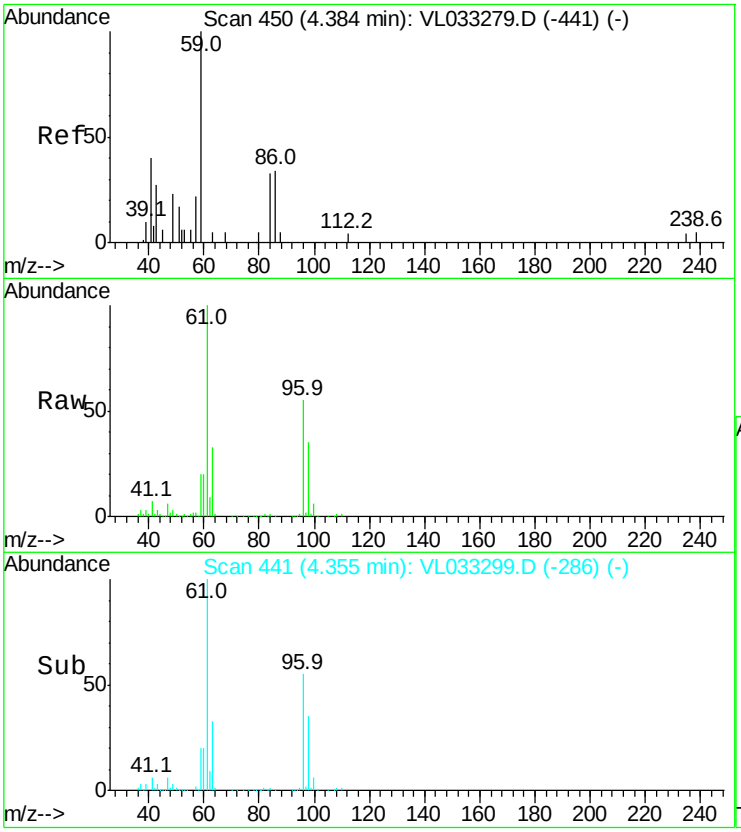


#16
1,3-Butadiene
Concen: 10.022 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 39 Resp: 451197

Ion	Ratio	Lower	Upper
39	100		
54	85.5	76.6	114.8



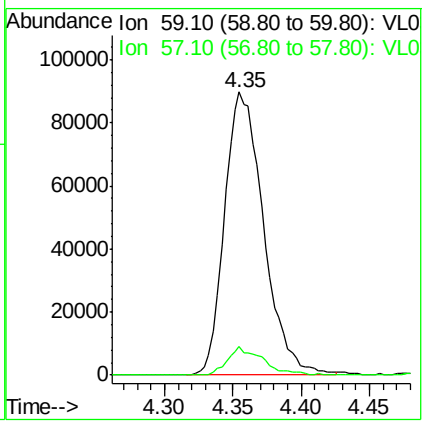


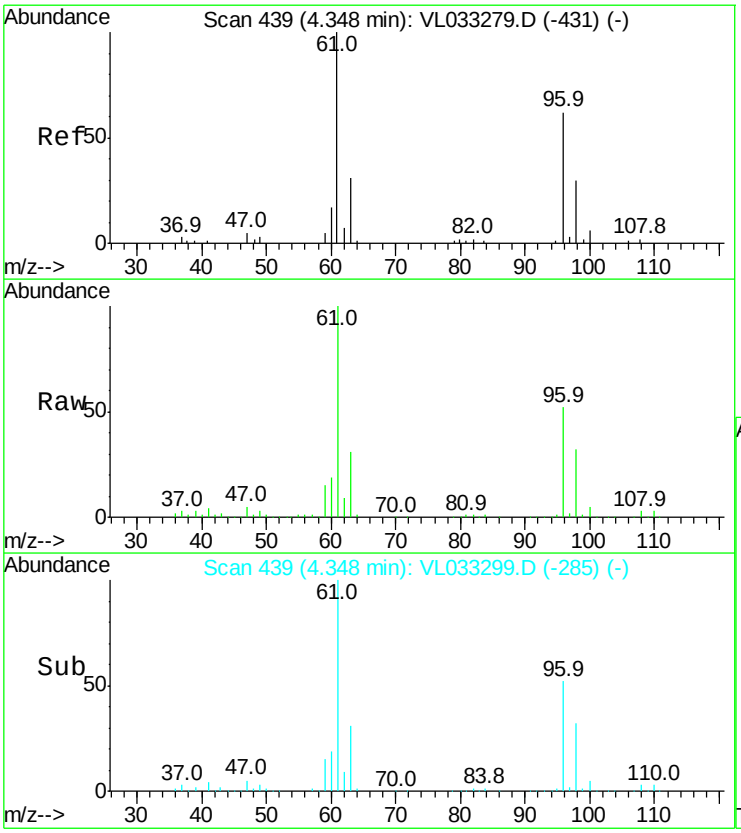
#17
tert-Butyl alcohol
Concen: 10.663 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 178419

Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.5	11.3

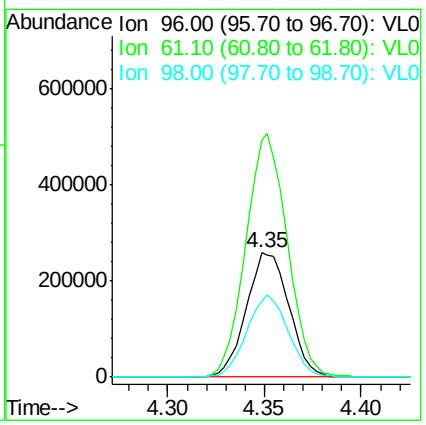


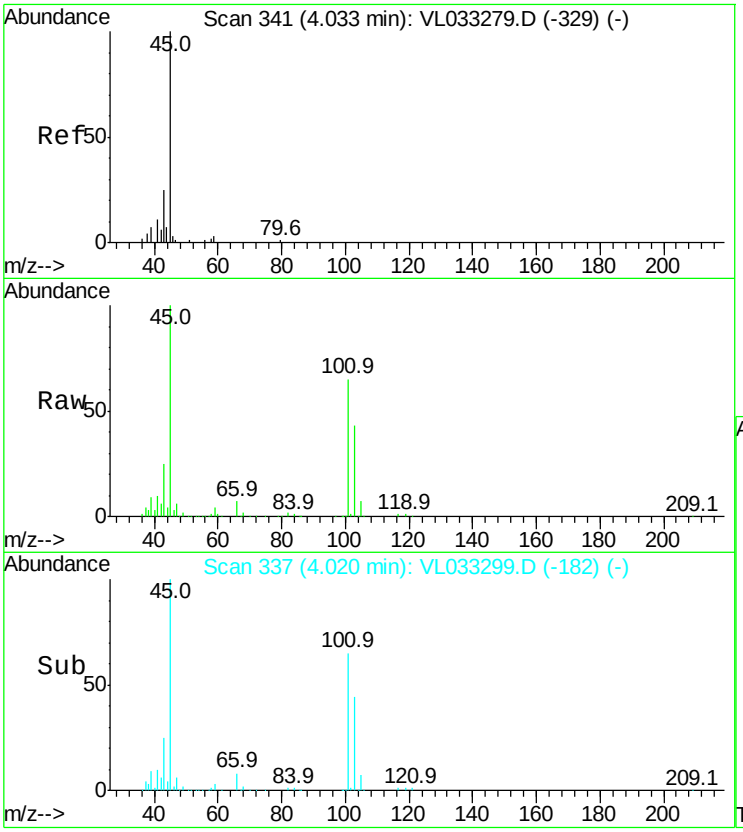


#18
1,1-Dichloroethene
Concen: 9.675 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 96 Resp: 398230

Ion	Ratio	Lower	Upper
96	100		
61	190.4	158.9	238.3
98	60.7	52.4	78.6



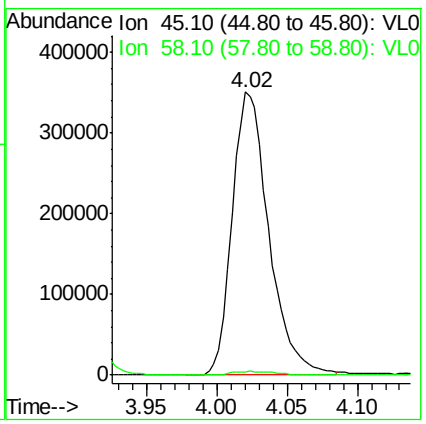


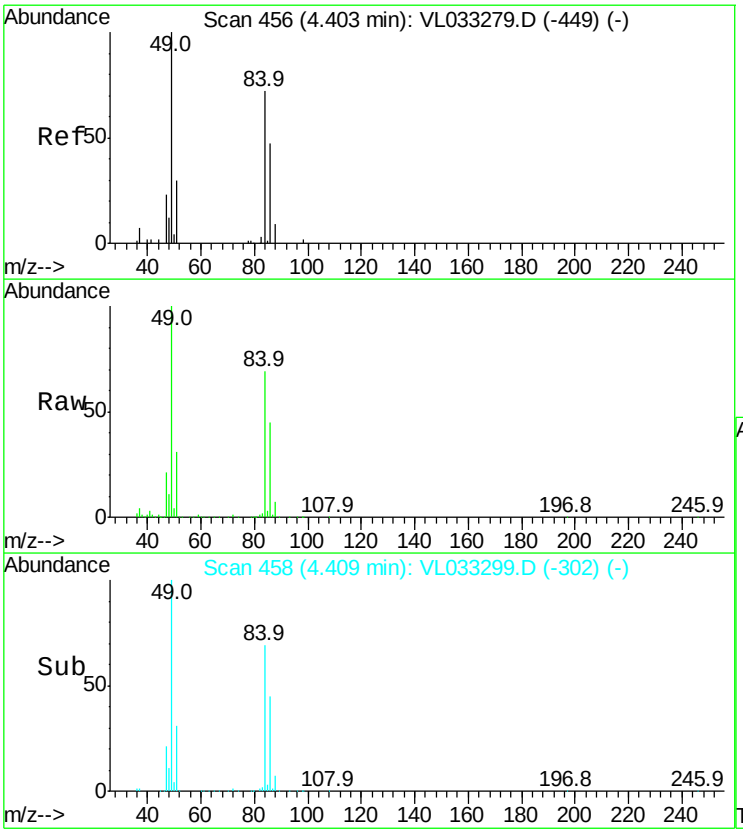
#19
Isopropyl Alcohol
Concen: 8.476 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 638716

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.4	2.2

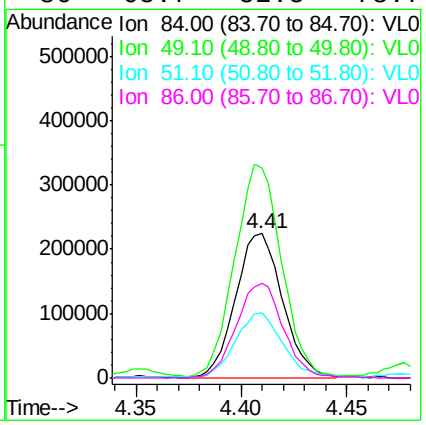


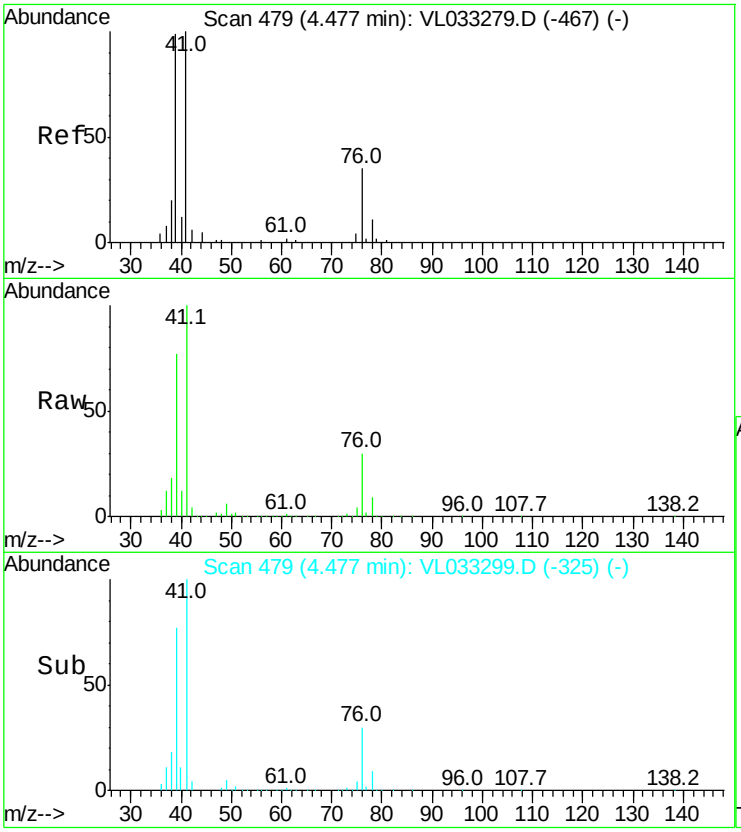


#20
Methylene Chloride
Concen: 8.341 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 84 Resp: 345786

Ion	Ratio	Lower	Upper
84	100		
49	144.3	120.3	180.5
51	44.6	36.2	54.4
86	65.7	52.5	78.7



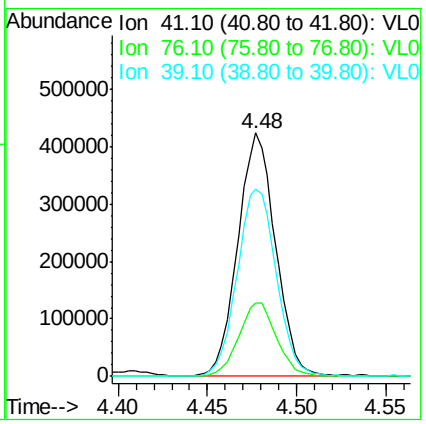


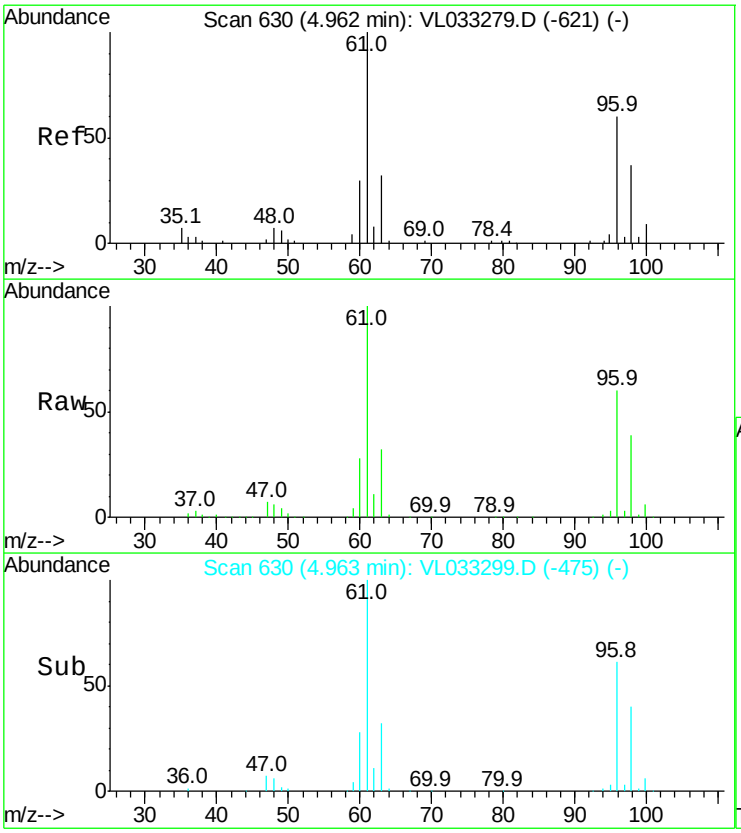
#21
Allyl Chloride
Concen: 10.063 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 623706

Ion	Ratio	Lower	Upper
41	100		
76	30.4	25.0	37.4
39	80.5	64.2	96.4

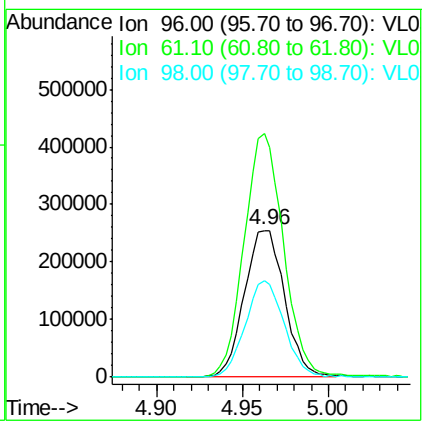


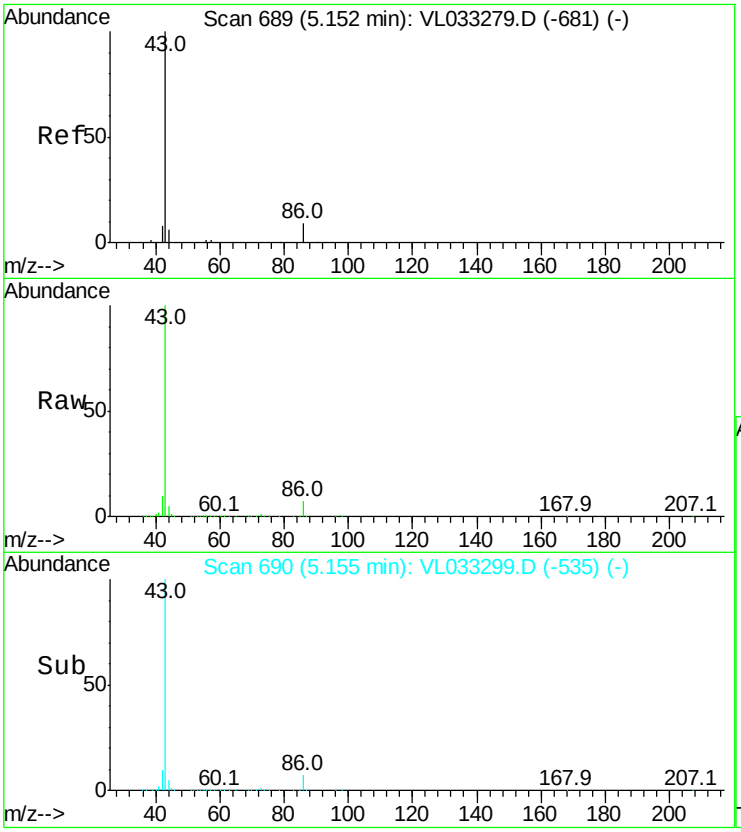


#22
trans-1,2-Dichloroethene
Concen: 9.438 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 96 Resp: 414286

Ion	Ratio	Lower	Upper
96	100		
61	165.9	131.6	197.4
98	65.5	54.1	81.1



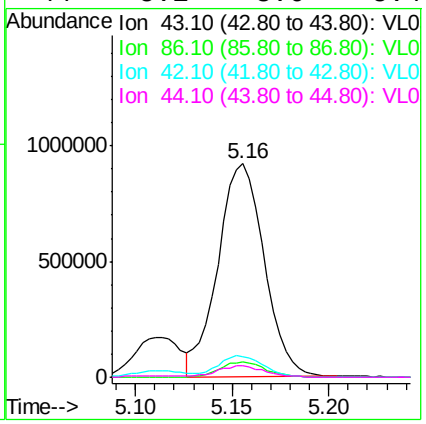


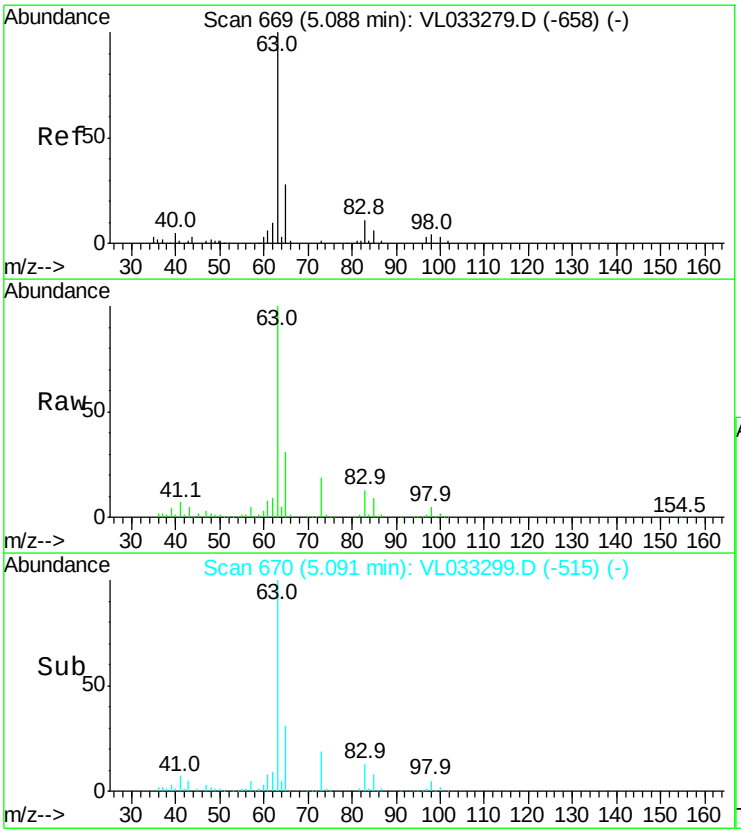
#23
Vinyl Acetate
Concen: 9.787 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1528990

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.5	8.3
42	9.8	7.8	11.6
44	5.1	3.6	5.4

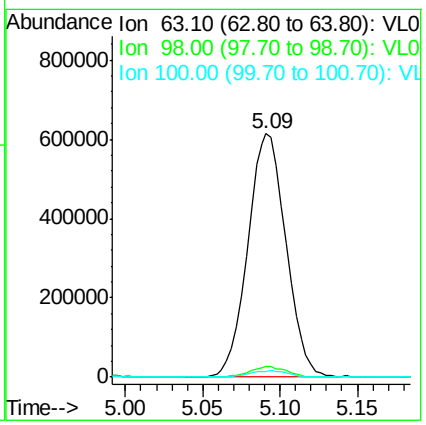


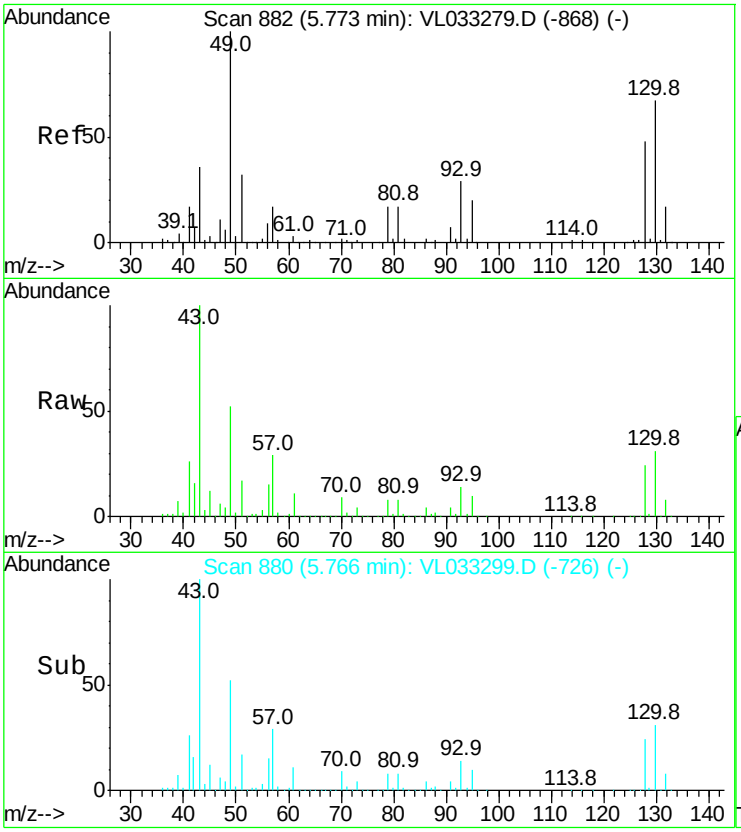


#24
1,1-Dichloroethane
Concen: 9.278 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 63 Resp: 1051167

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.2	6.6
100	2.5	1.5	4.4



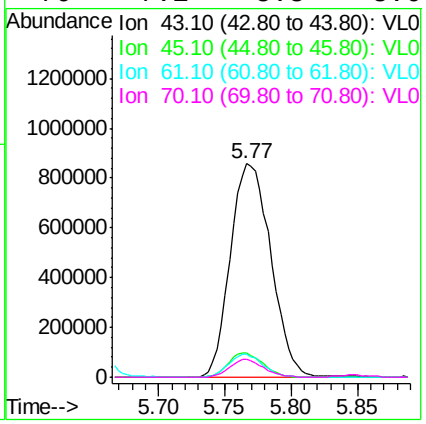


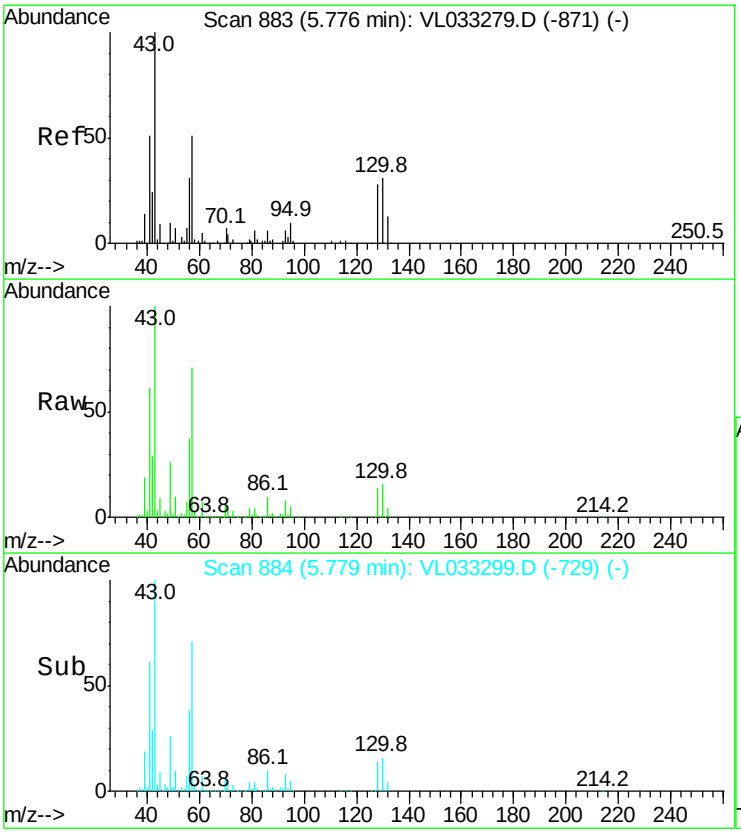
#25
Ethyl Acetate
Concen: 9.490 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 1823391

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.6
61	9.4	7.3	10.9
70	7.1	5.8	8.6

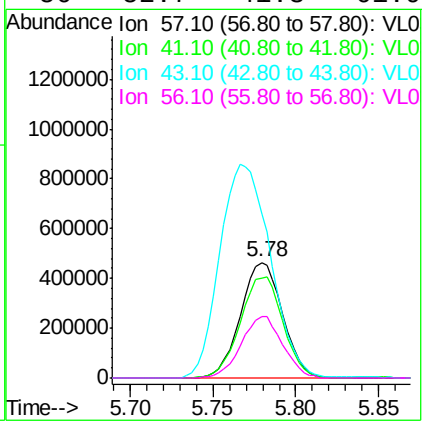


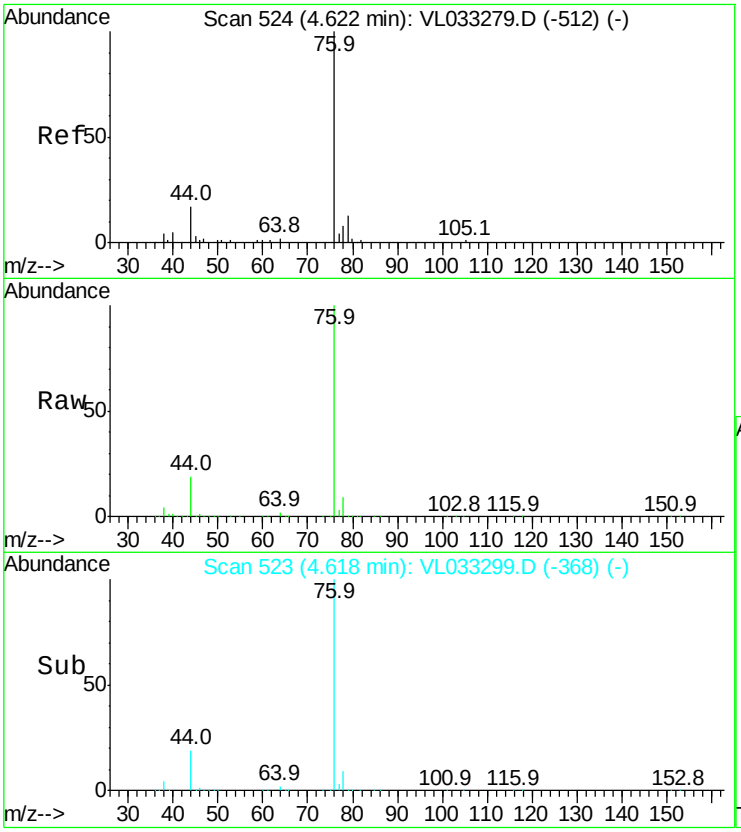


#26
Hexane
Concen: 9.055 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 57 Resp: 816629

Ion	Ratio	Lower	Upper
57	100		
41	89.5	70.7	106.1
43	224.0	178.6	267.8
56	52.7	41.3	61.9



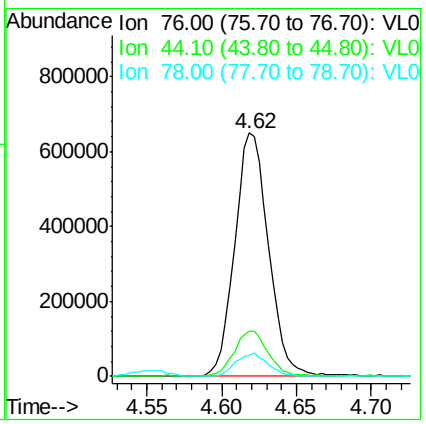


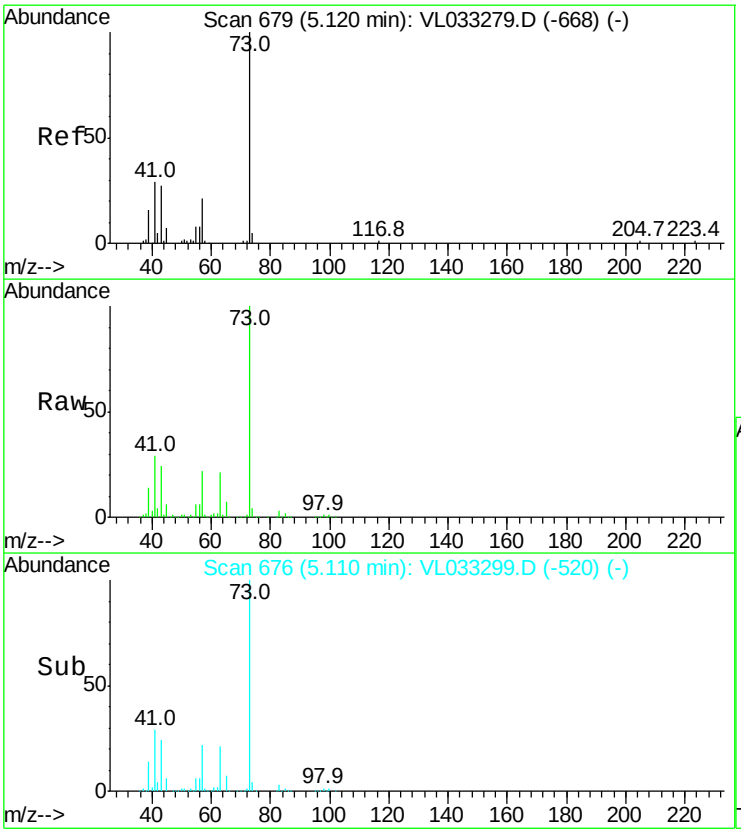
#27
Carbon Disulfide
Concen: 10.657 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 76 Resp: 1019710

Ion	Ratio	Lower	Upper
76	100		
44	18.4	15.1	22.7
78	9.1	7.4	11.0

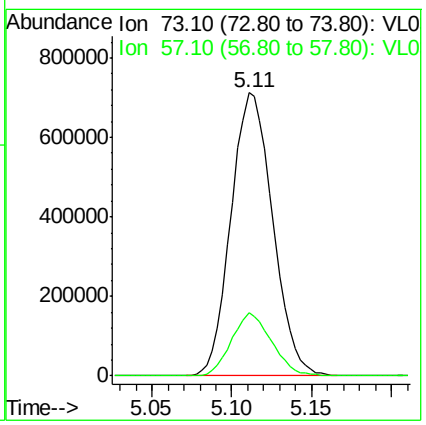


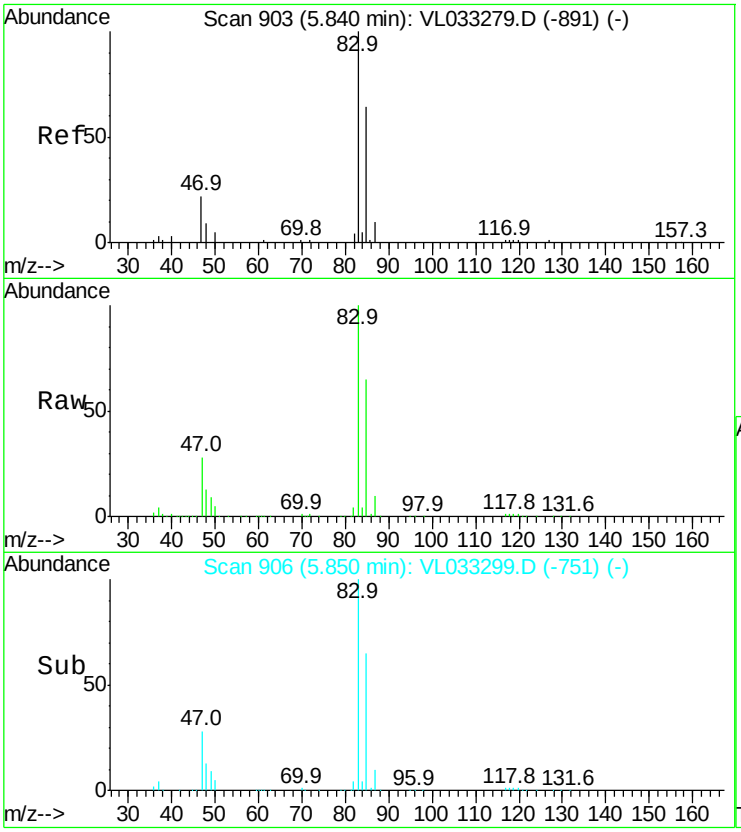


#28
Methyl tert-Butyl Ether
Concen: 9.880 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 73 Resp: 1264531

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.9	26.9



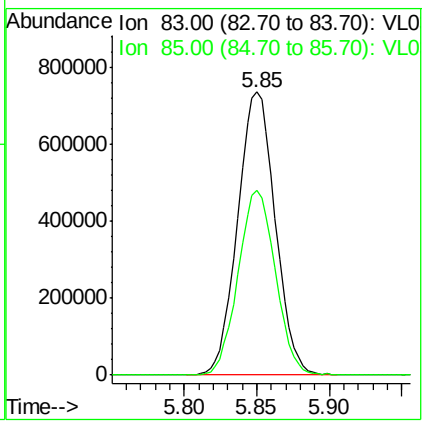


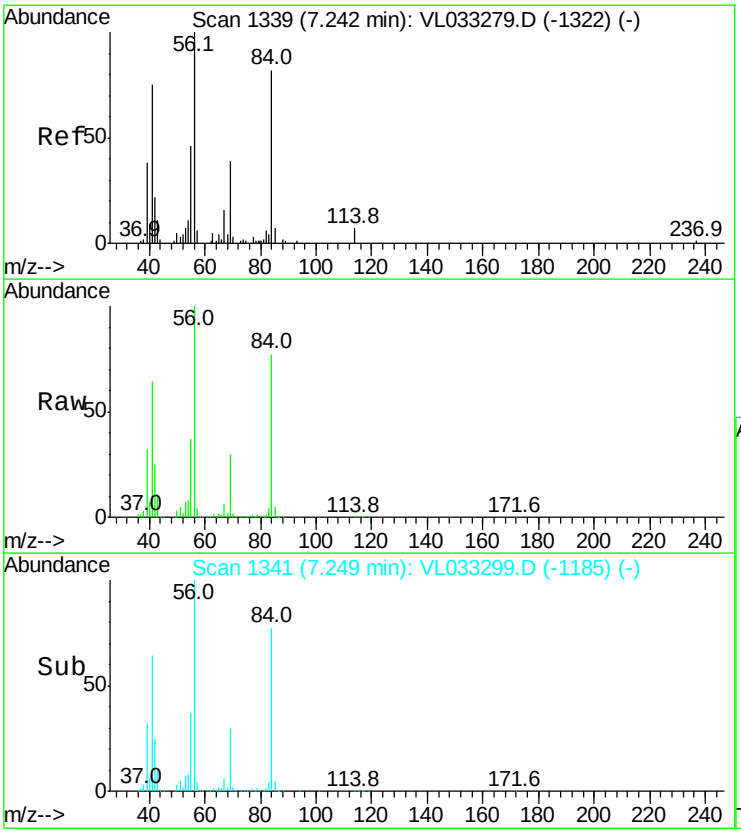
#29
Chloroform
Concen: 9.698 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1330614

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.5	78.7

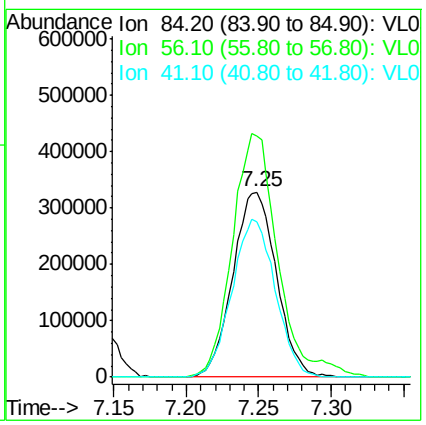


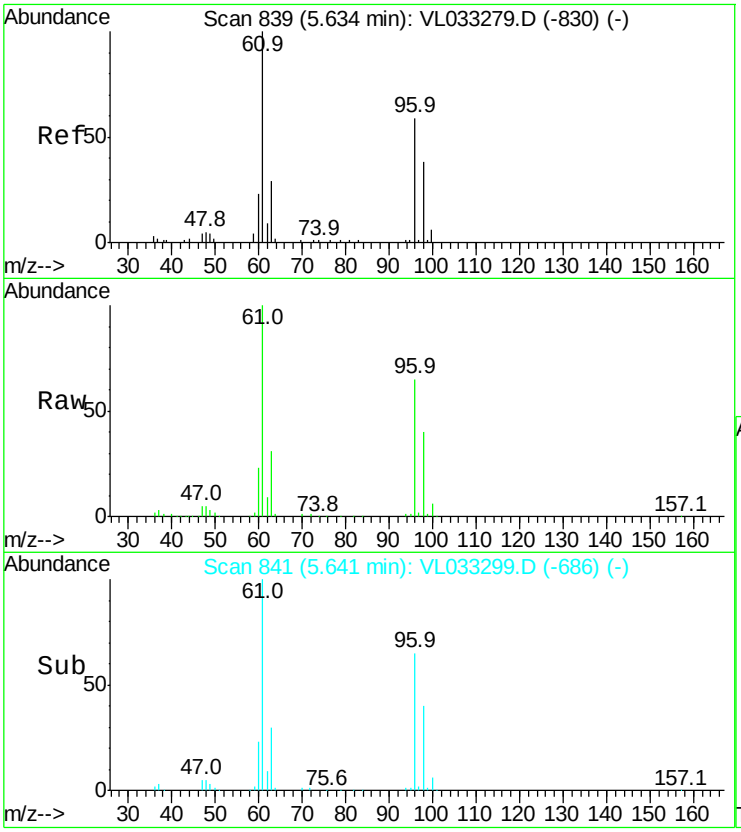


#30
Cyclohexane
Concen: 9.808 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 84 Resp: 685724

Ion	Ratio	Lower	Upper
84	100		
56	137.3	112.0	168.0
41	85.1	69.9	104.9



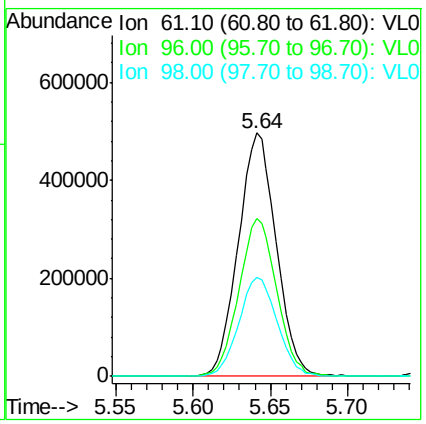


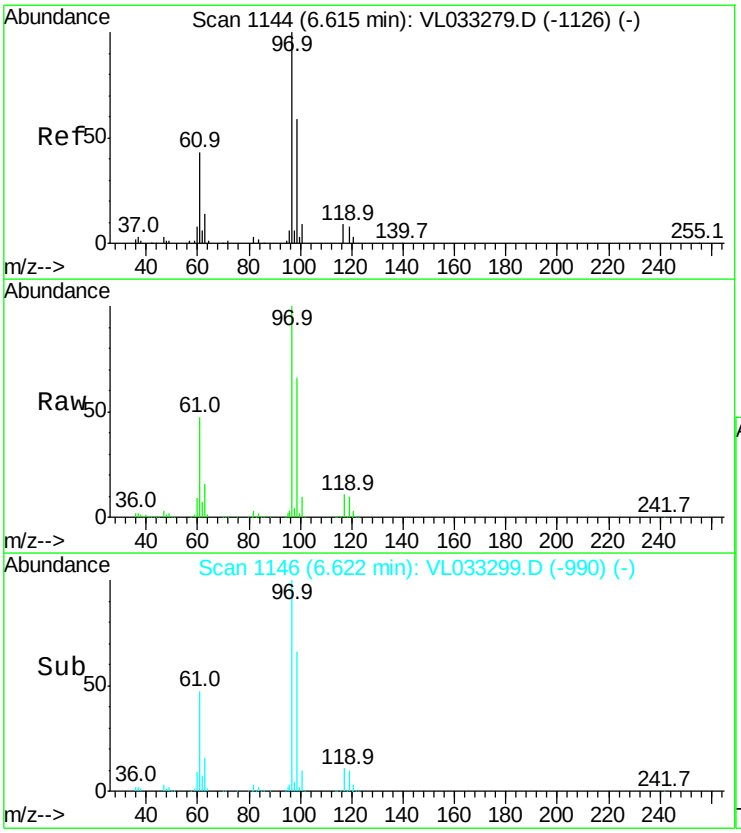
#31
cis-1,2-Dichloroethene
Concen: 9.796 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 846885

Ion	Ratio	Lower	Upper
61	100		
96	64.7	51.8	77.8
98	40.4	32.9	49.3

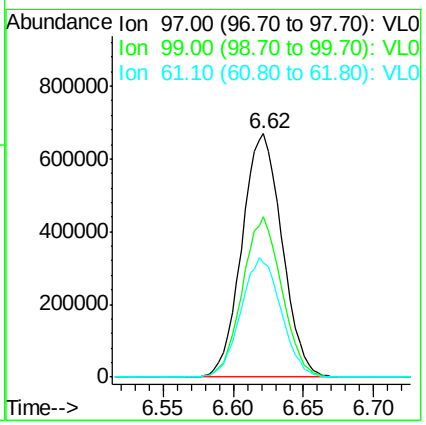


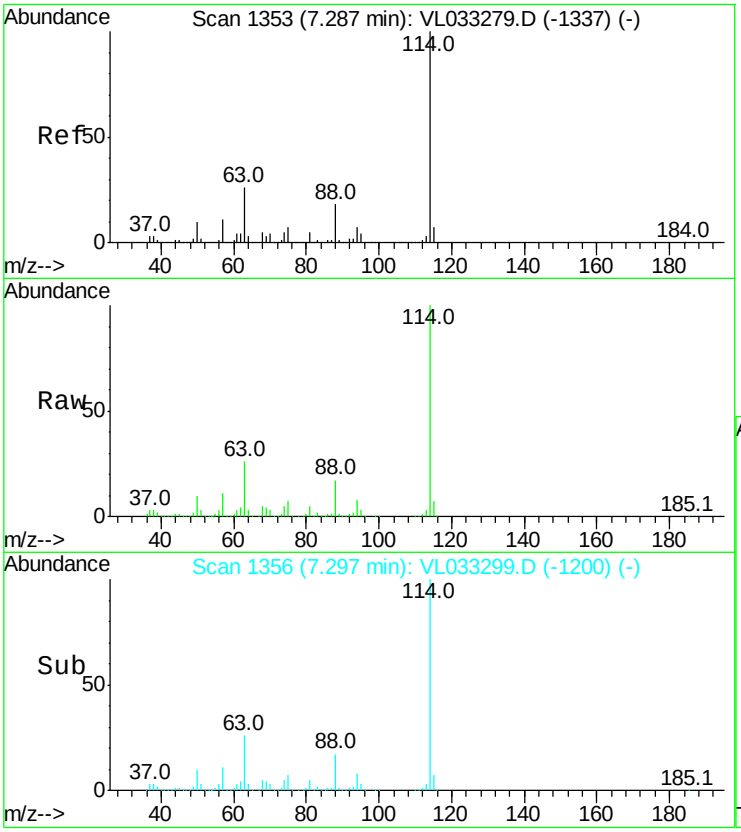


#32
1,1,1-Trichloroethane
Concen: 9.994 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 97 Resp: 1336039

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	49.3	39.7	59.5



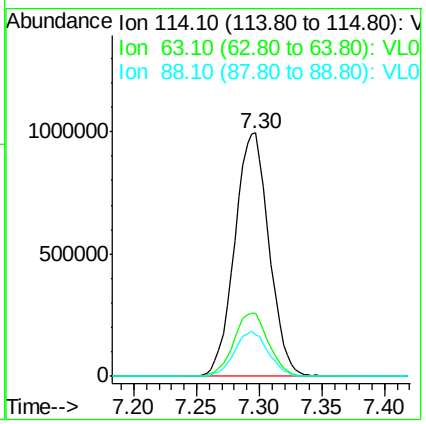


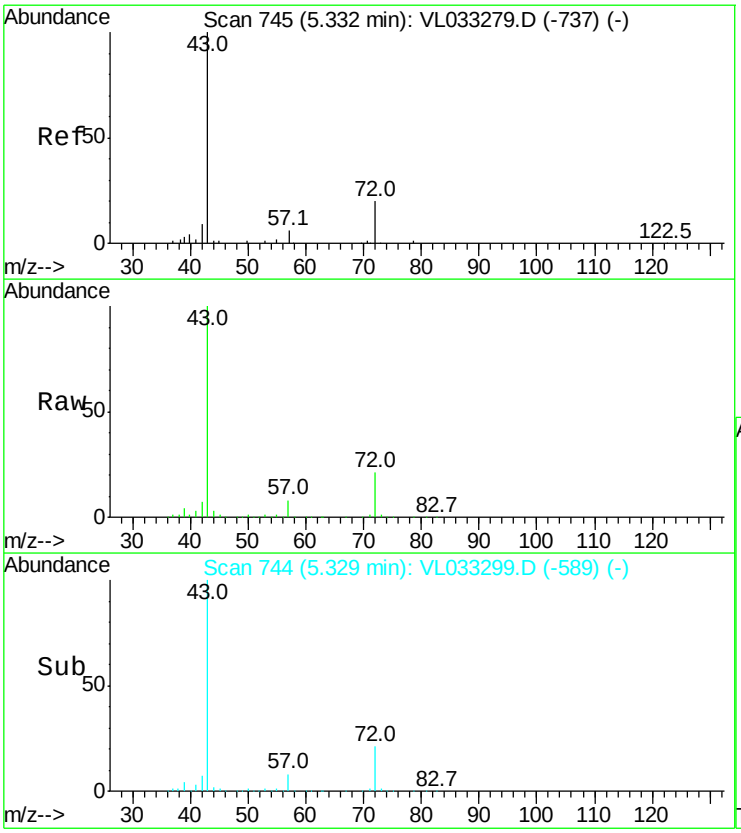
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 1895938

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	18.1	14.6	22.0

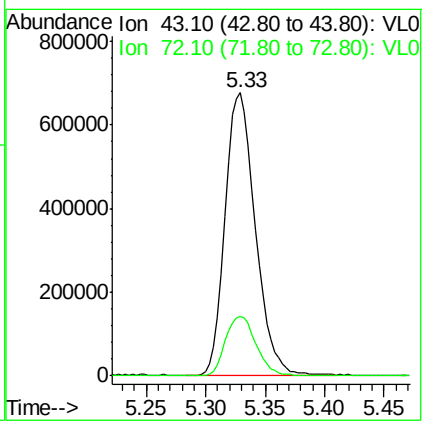


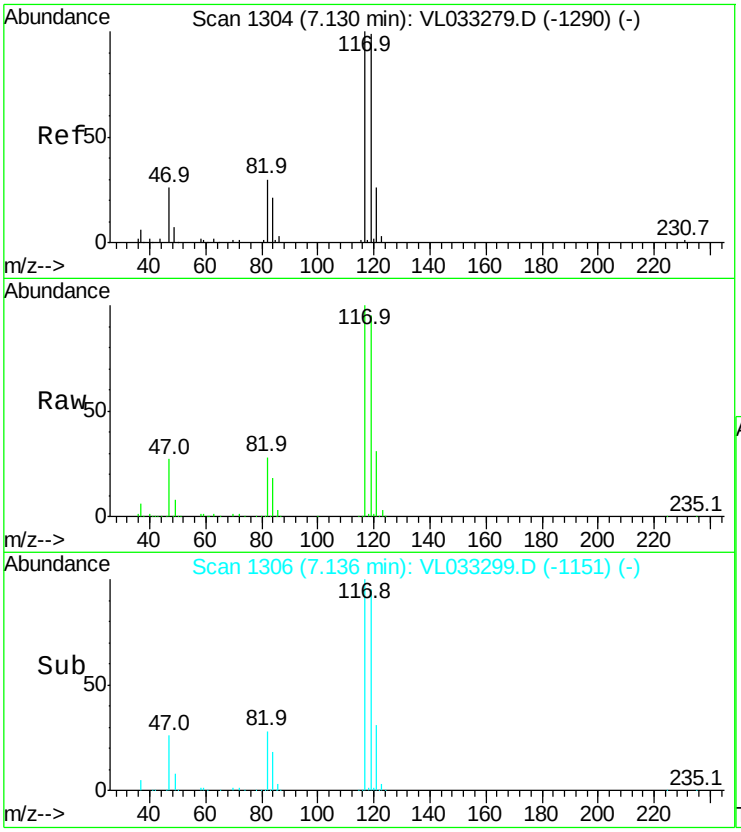


#34
2-Butanone
Concen: 9.518 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 43 Resp: 1193237

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.0	25.6



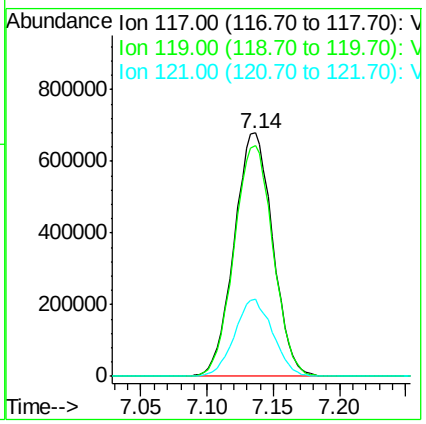


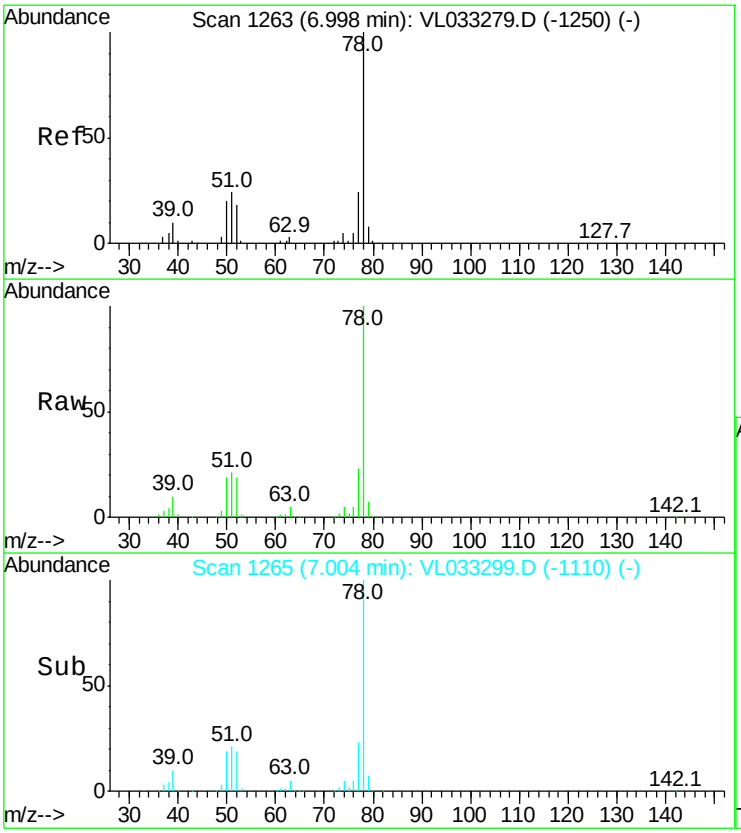
#35
Carbon Tetrachloride
Concen: 9.883 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 1369135

Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.4	116.0
121	31.5	24.9	37.3

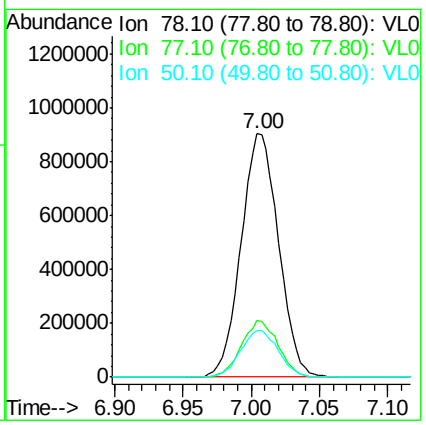


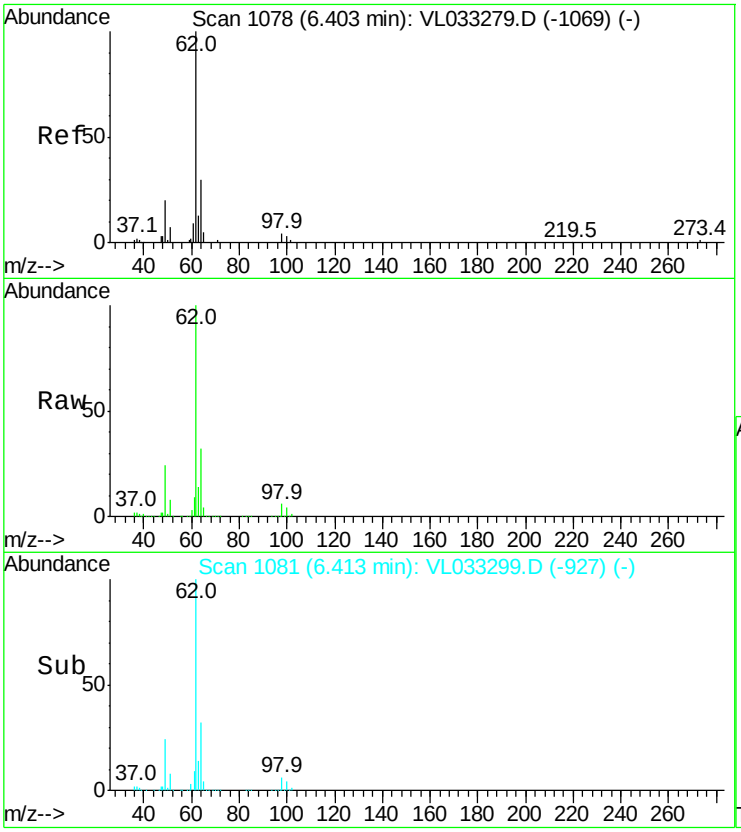


#36
Benzene
Concen: 9.832 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 78 Resp: 1719180

Ion	Ratio	Lower	Upper
78	100		
77	23.3	17.7	26.5
50	19.0	15.7	23.5



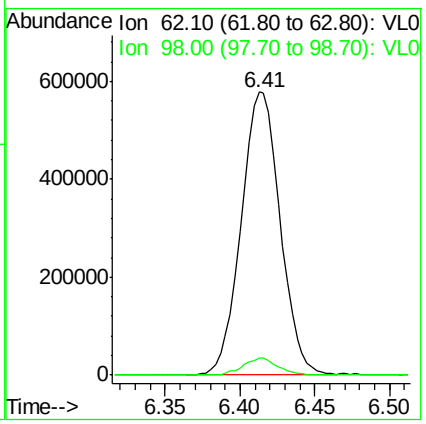


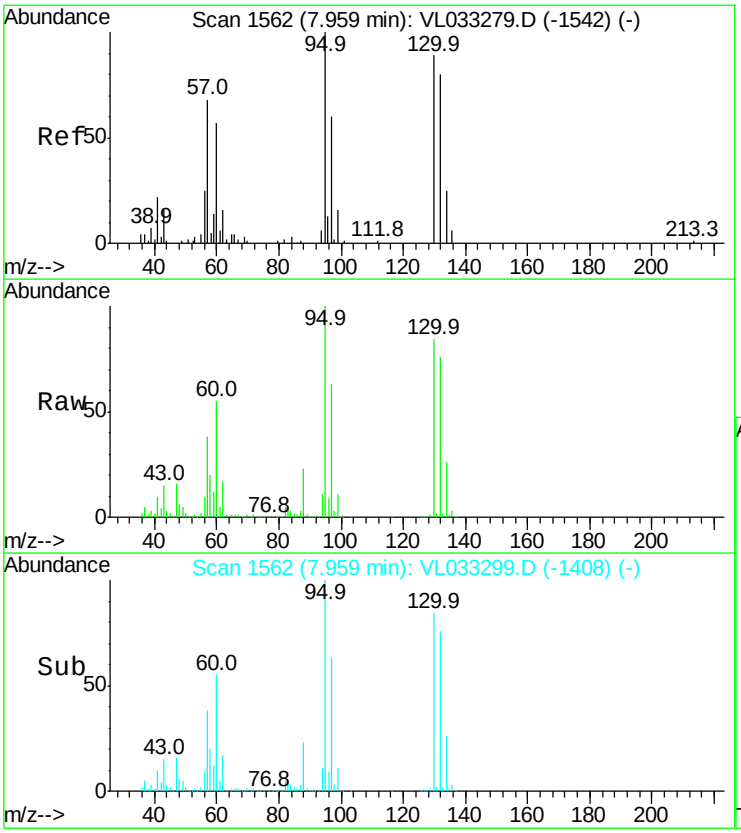
#37
1,2-Dichloroethane
Concen: 9.990 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 62 Resp: 1047651

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

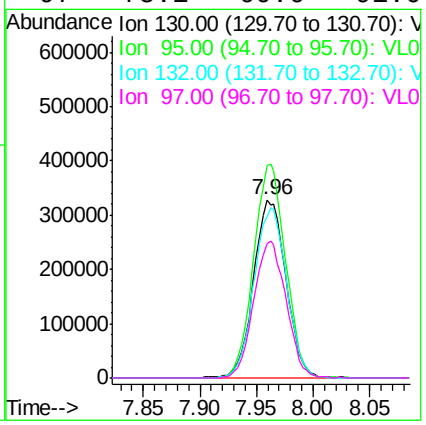


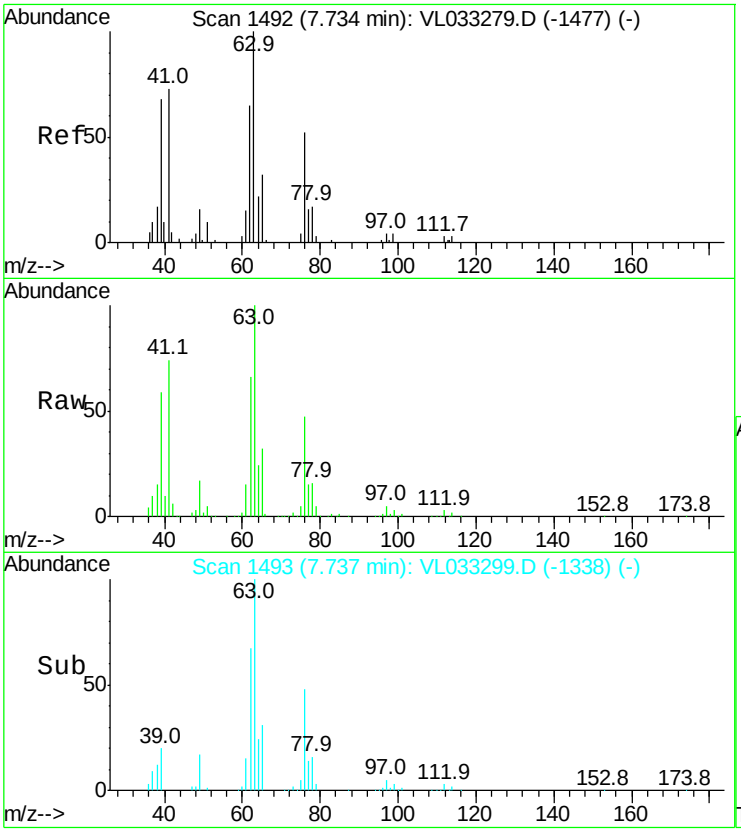


#38
Trichloroethene
Concen: 9.567 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:130 Resp: 652070

Ion	Ratio	Lower	Upper
130	100		
95	119.0	93.3	139.9
132	90.6	75.4	113.2
97	75.1	60.6	91.0



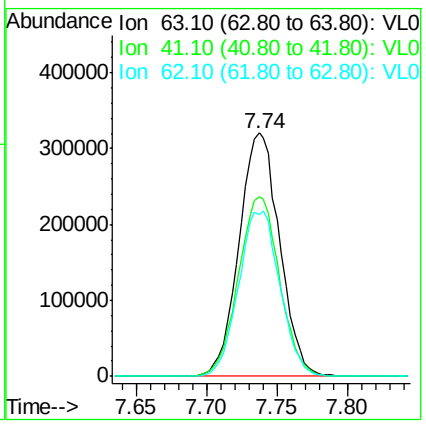


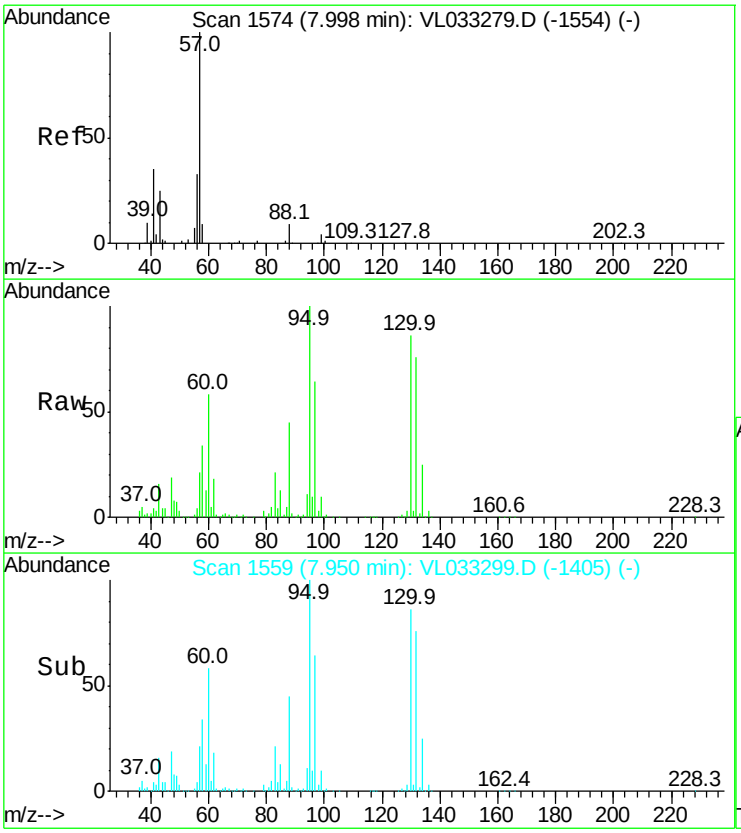
#39
1,2-Dichloropropane
Concen: 9.828 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 646712

Ion	Ratio	Lower	Upper
63	100		
41	73.7	58.3	87.5
62	66.2	55.3	82.9

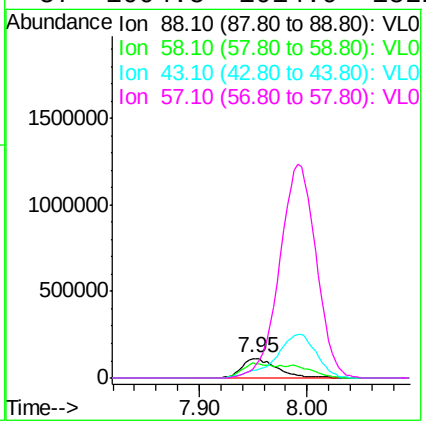


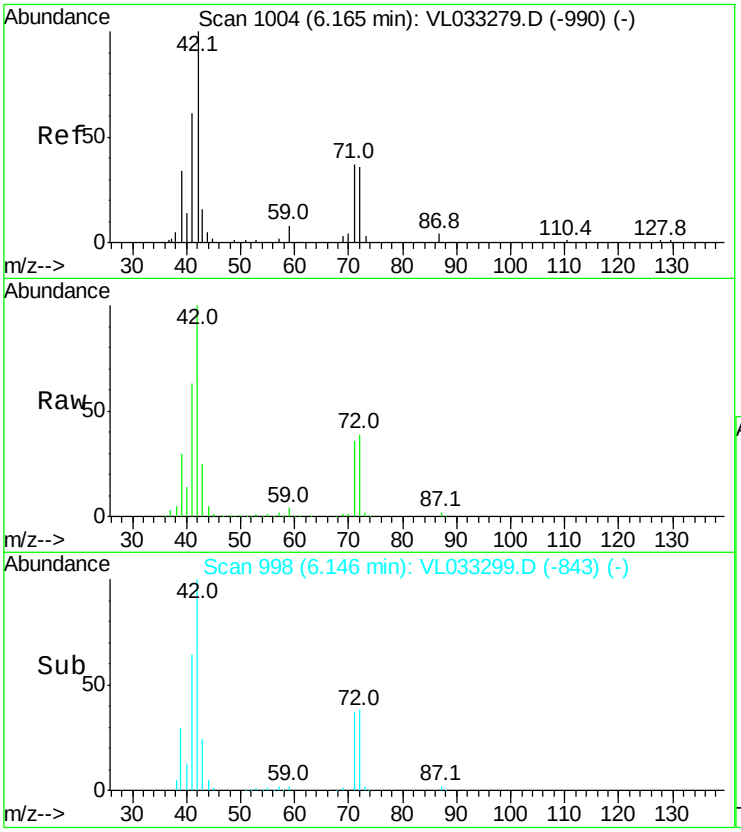


#40
1,4-Dioxane
Concen: 10.717 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 88 Resp: 265416

Ion	Ratio	Lower	Upper
88	100		
58	122.1	107.0	160.6
43	249.3	230.2	345.4
57	1094.5	1014.9	1522.3



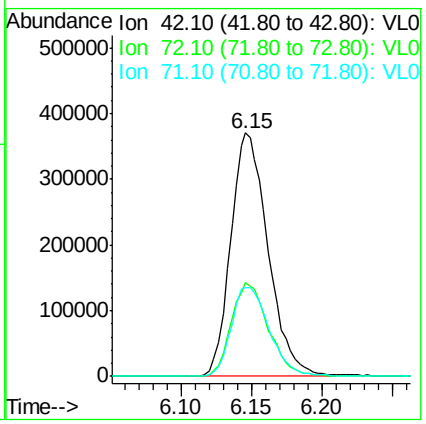


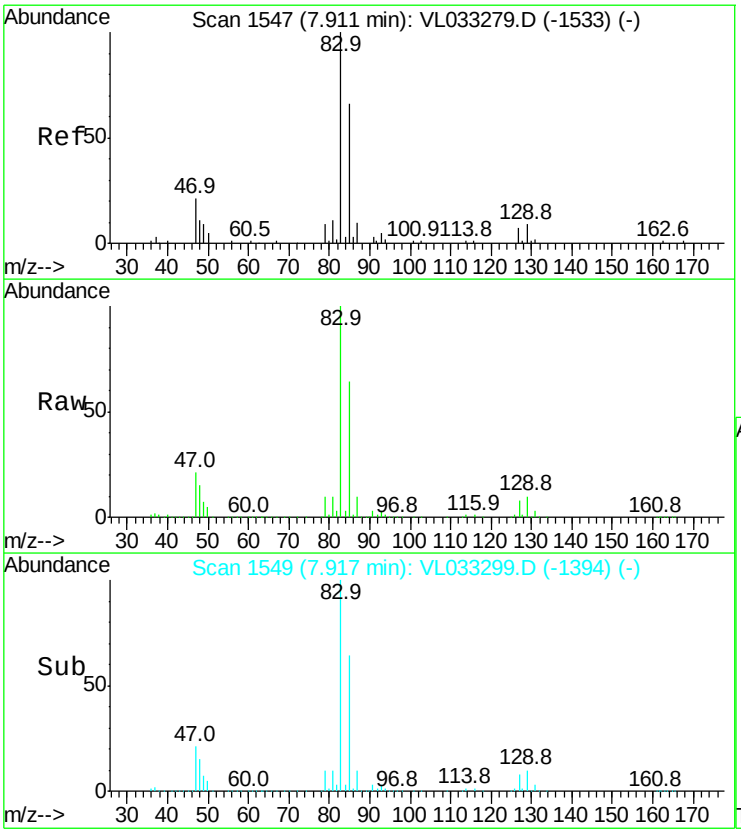
#41
Tetrahydrofuran
Concen: 9.829 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 42 Resp: 684157

Ion	Ratio	Lower	Upper
42	100		
72	38.5	30.6	46.0
71	37.5	29.7	44.5

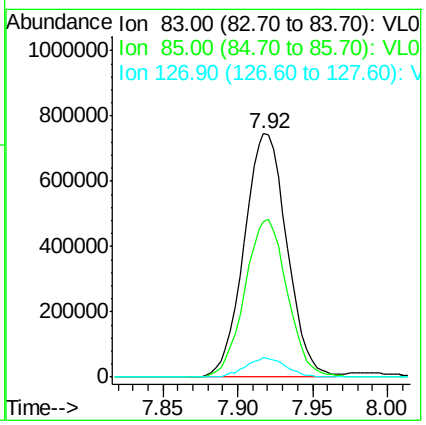


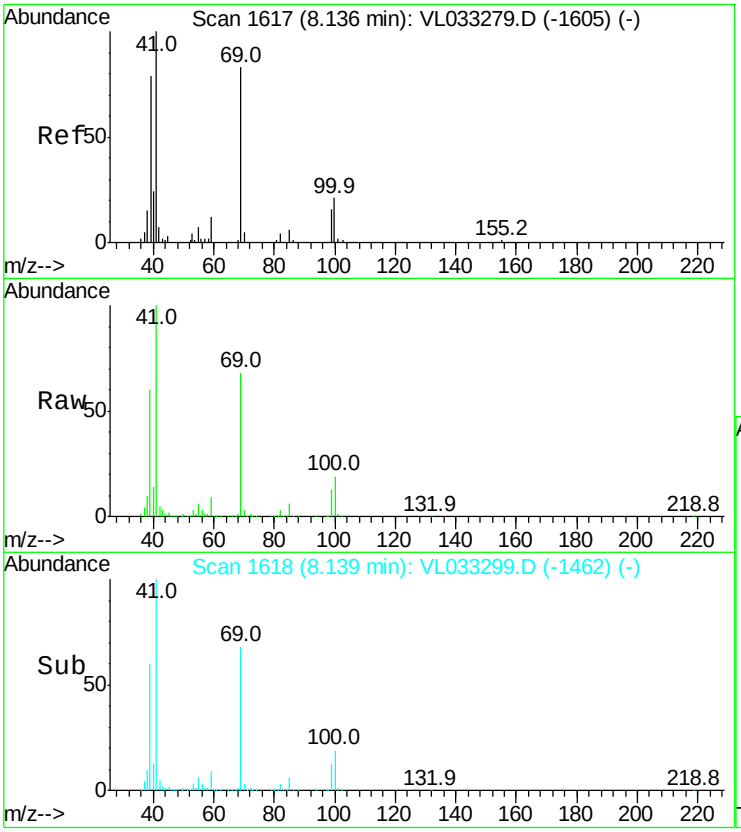


#42
Bromodichloromethane
Concen: 10.283 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 83 Resp: 1484650

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4
127	8.3	6.0	9.0



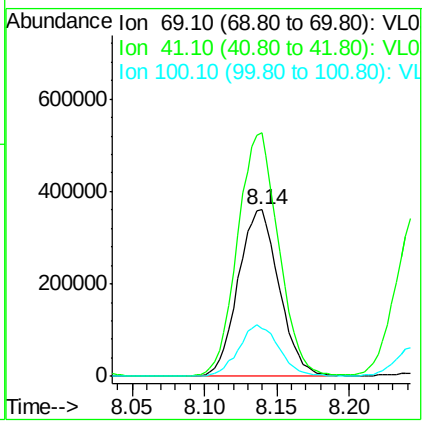


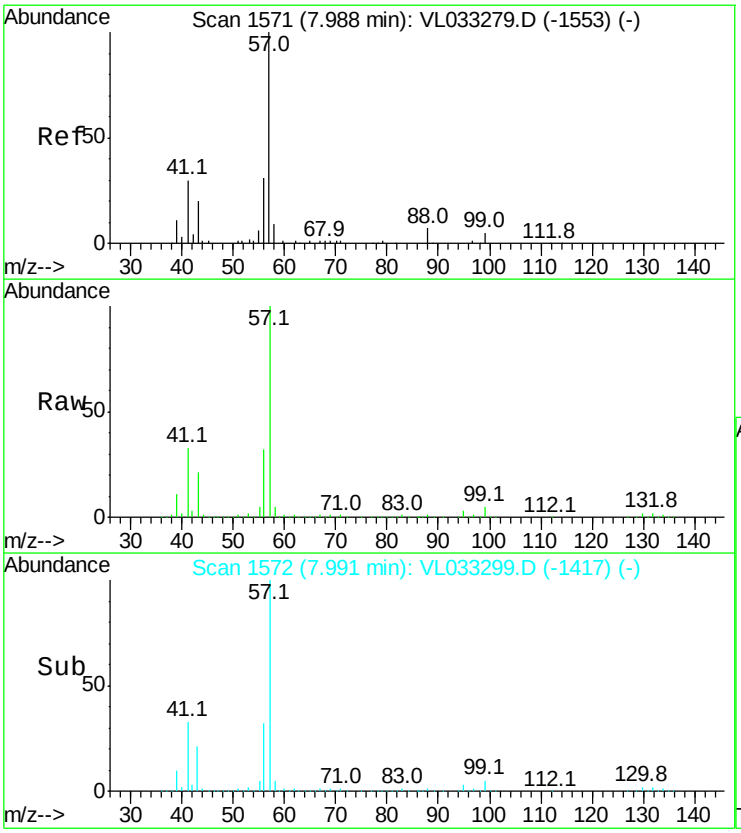
#43
Methyl Methacrylate
Concen: 10.385 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 69 Resp: 707818

Ion	Ratio	Lower	Upper
69	100		
41	146.2	121.0	181.4
100	30.4	24.4	36.6

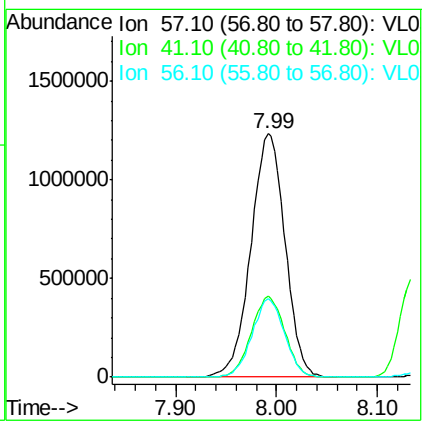


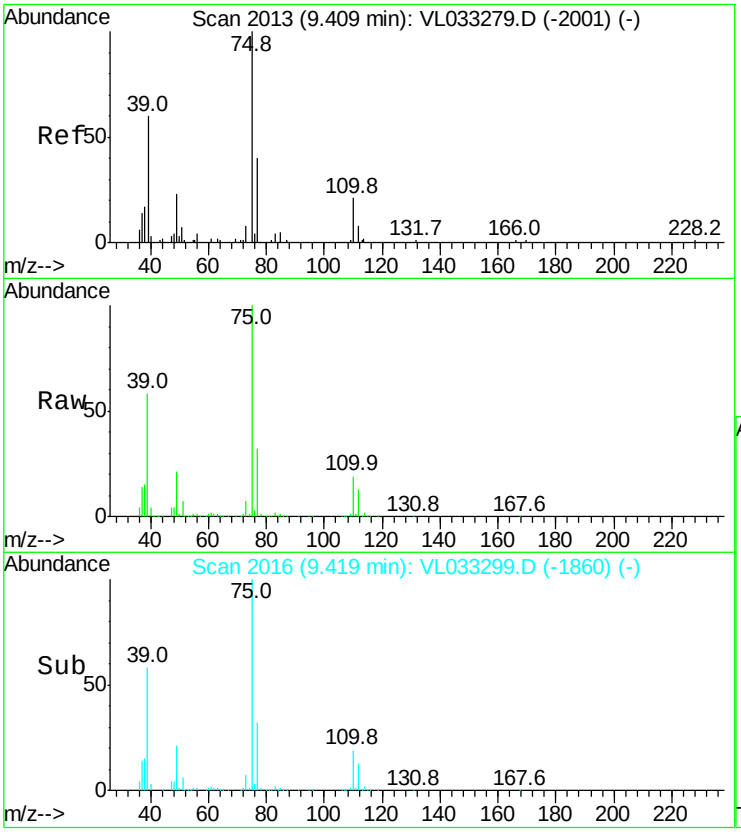


#44
2,2,4-Trimethylpentane
Concen: 9.768 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 57 Resp: 2901275

Ion	Ratio	Lower	Upper
57	100		
41	32.4	26.2	39.2
56	30.7	24.8	37.2



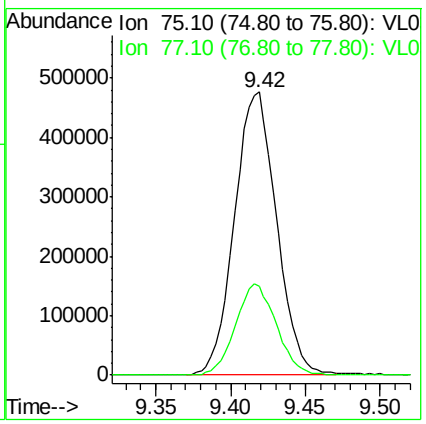


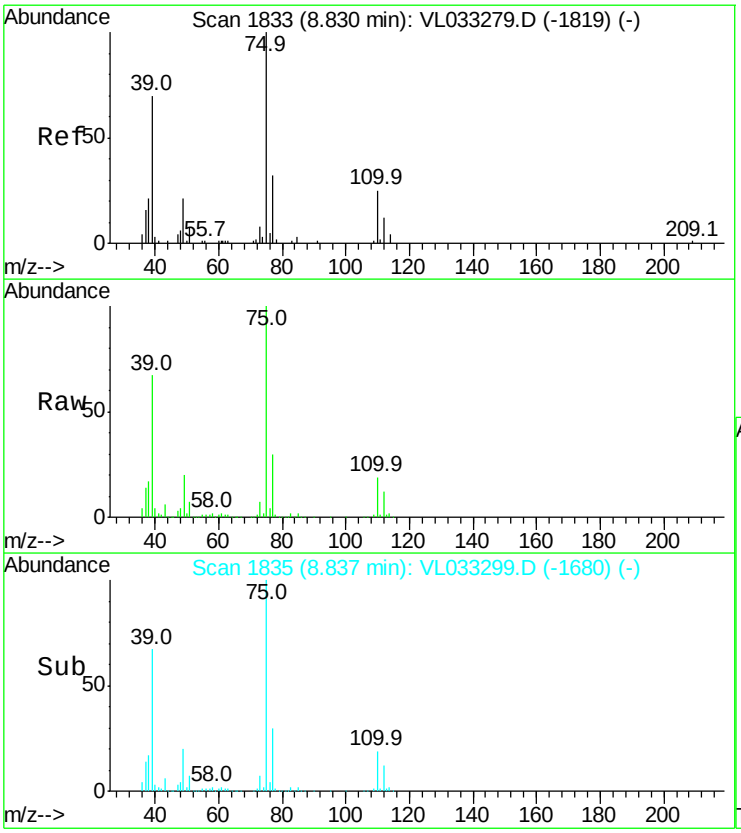
#45
t-1,3-Dichloropropene
Concen: 11.072 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 927634

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.4	36.6

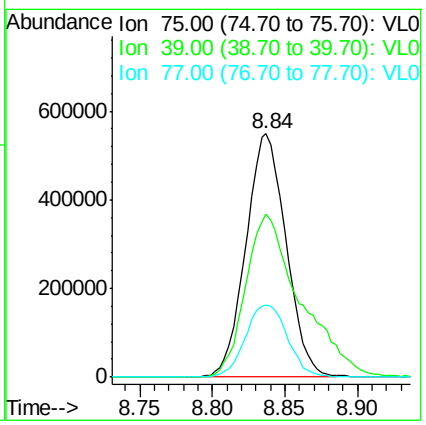


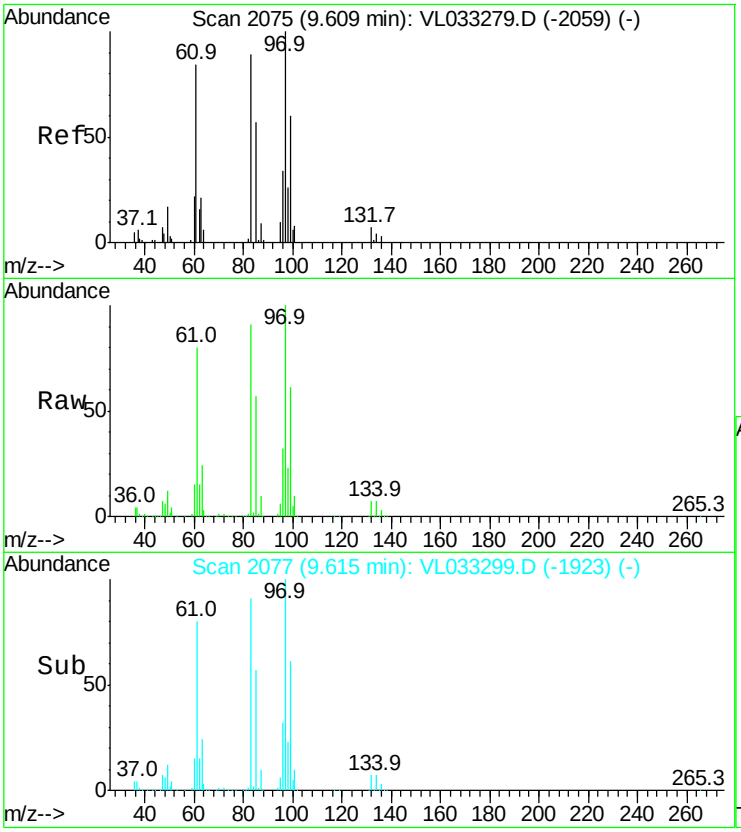


#46
cis-1,3-Dichloropropene
Concen: 10.787 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 75 Resp: 1059299

Ion	Ratio	Lower	Upper
75	100		
39	66.8	54.2	81.2
77	29.6	24.5	36.7



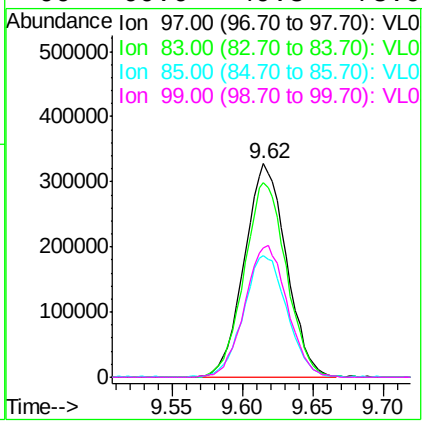


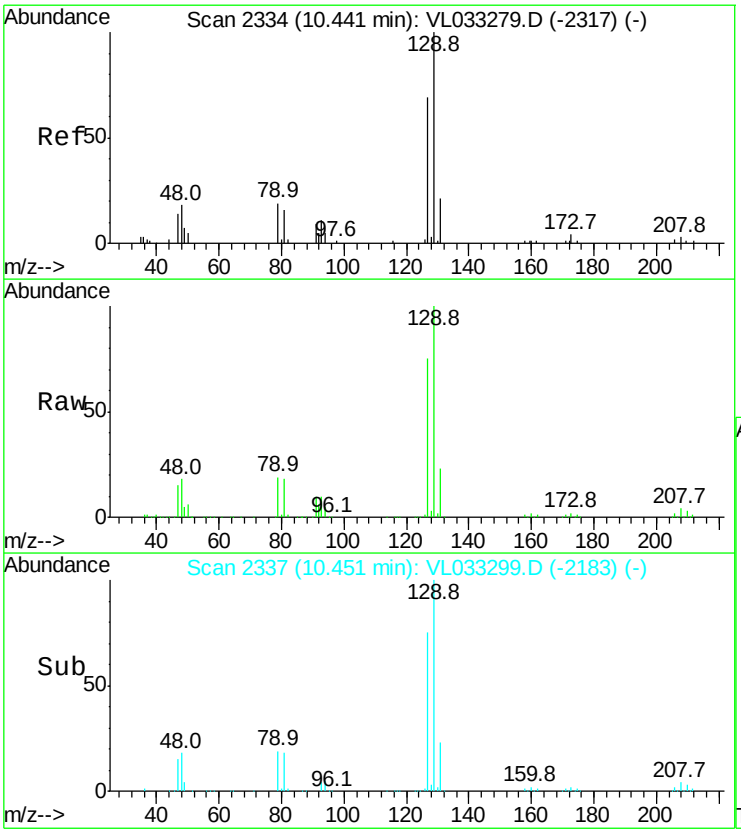
#47
1,1,2-Trichloroethane
Concen: 9.737 ppbv
RT: 9.62 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 97 Resp: 684133

Ion	Ratio	Lower	Upper
97	100		
83	90.9	71.0	106.4
85	57.0	48.2	72.4
99	60.6	49.3	73.9

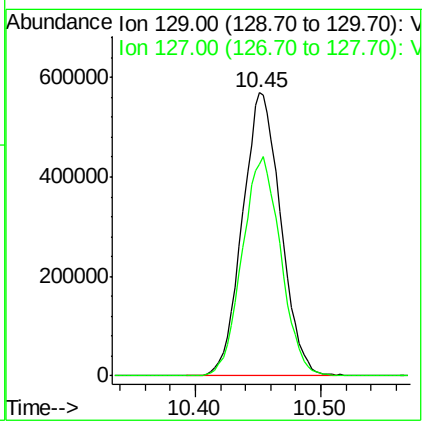


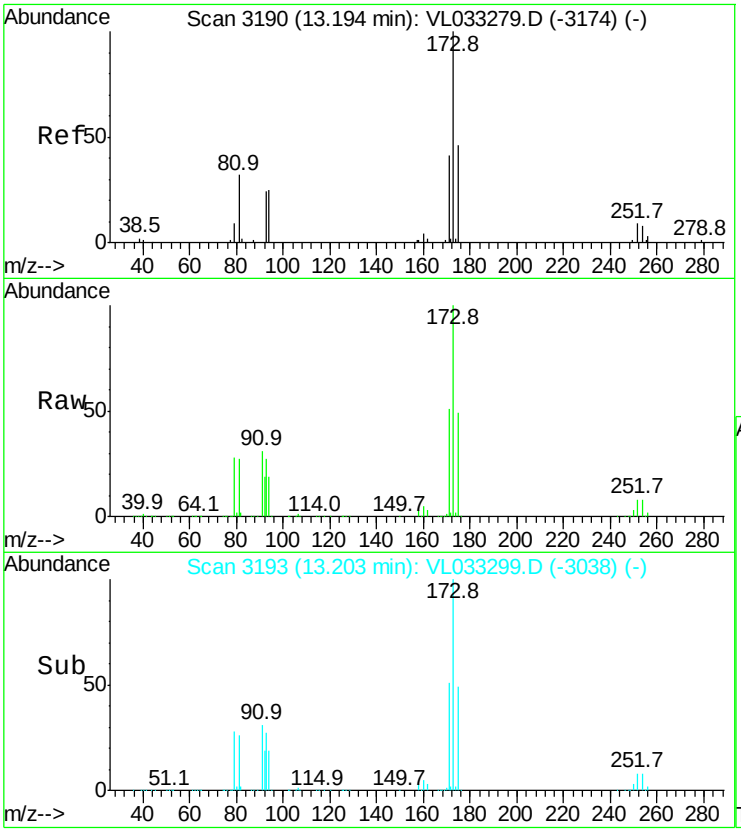


#48
Dibromochloromethane
Concen: 10.494 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:129 Resp: 1208913

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.9	116.6



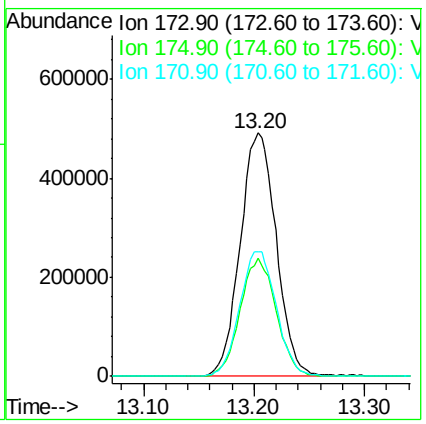


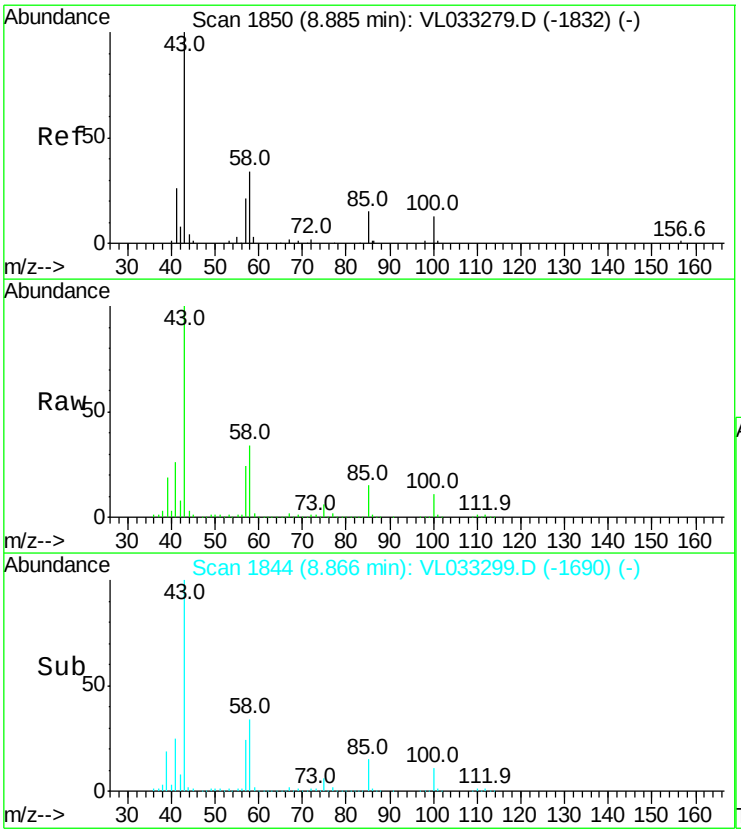
#49
Bromoform
Concen: 11.940 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:173 Resp: 1114899

Ion	Ratio	Lower	Upper
173	100		
175	48.3	39.0	58.6
171	52.5	41.2	61.8

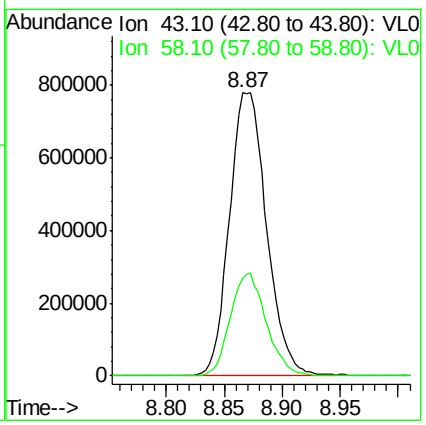


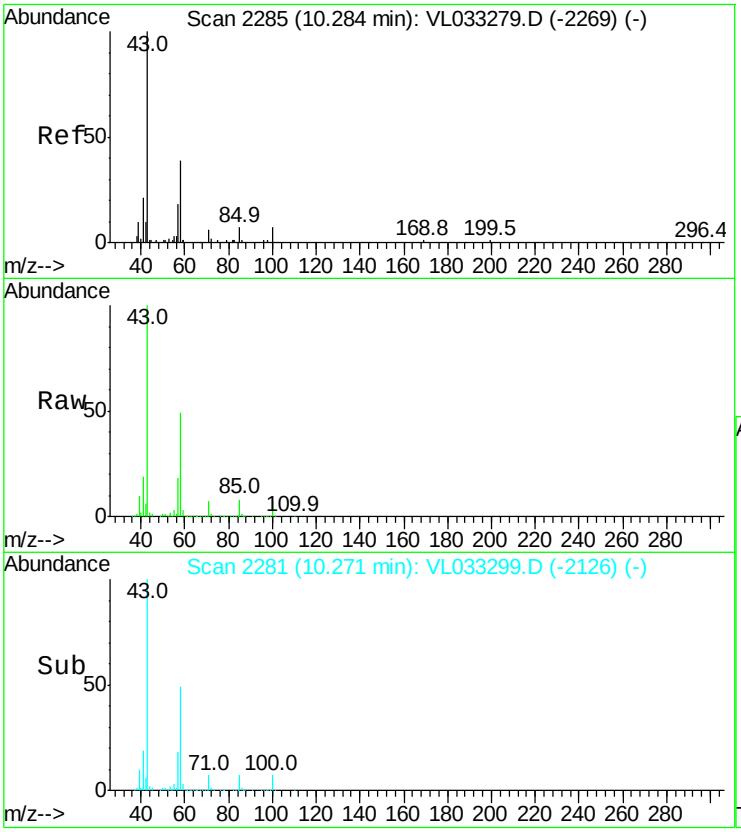


#50
4-Methyl-2-Pentanone
Concen: 9.709 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 43 Resp: 1737297

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.0	42.0



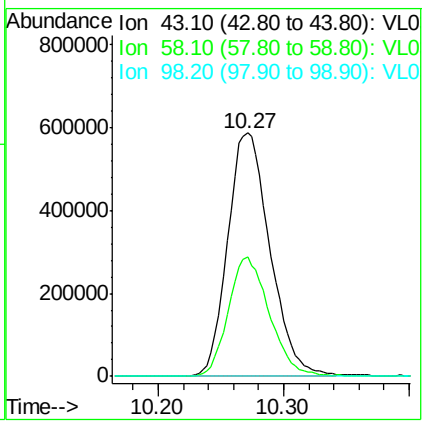


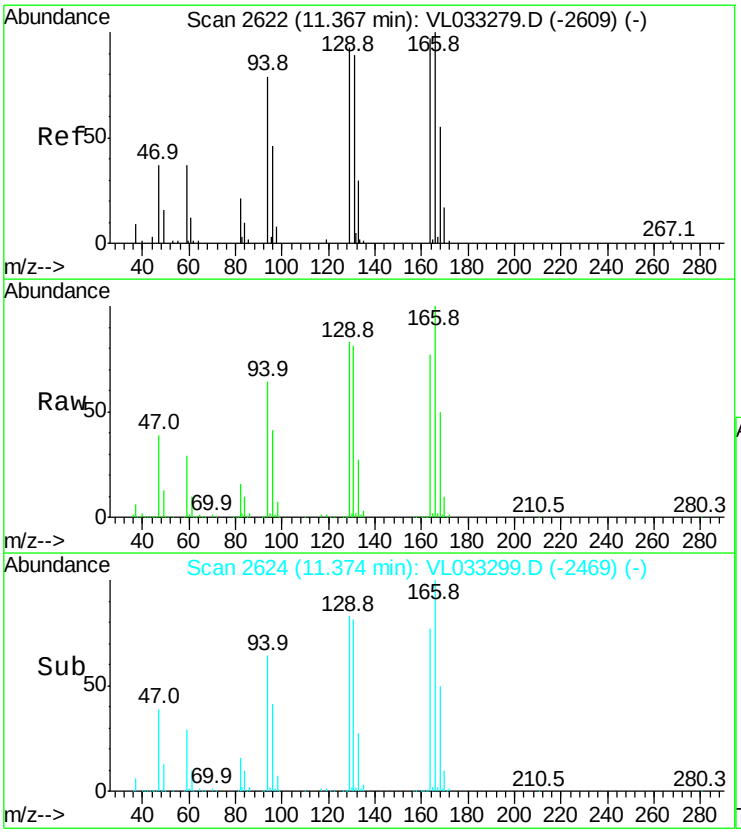
#51
2-Hexanone
Concen: 10.020 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 1368611

Ion	Ratio	Lower	Upper
43	100		
58	48.0	38.1	57.1
98	0.2	0.1	0.1#

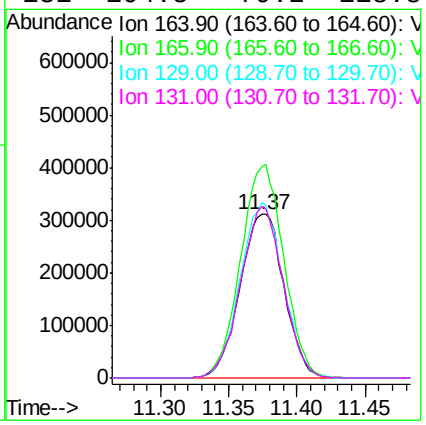


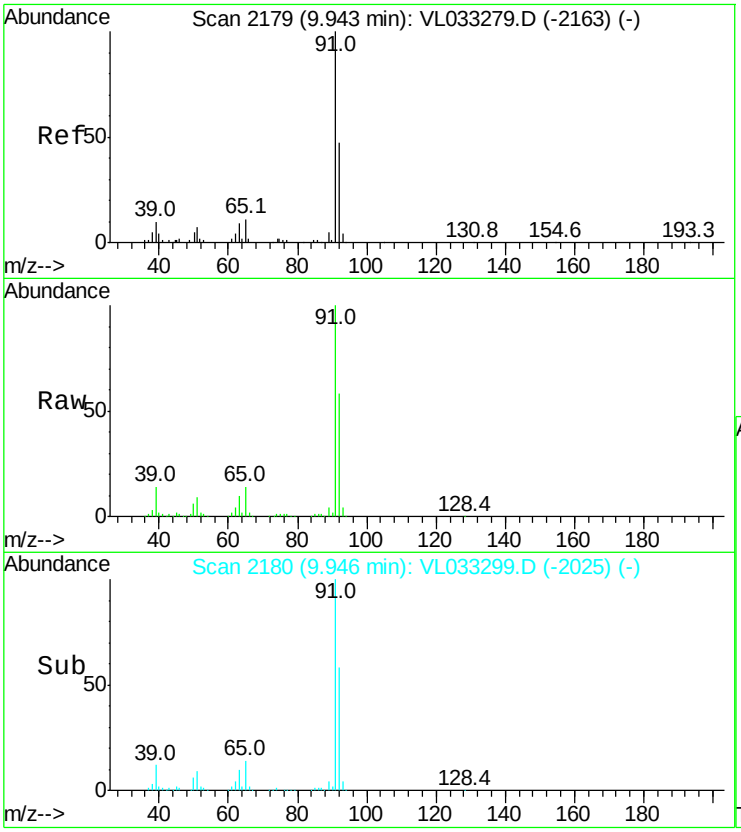


#52
Tetrachloroethene
Concen: 10.872 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:164 Resp: 696875

Ion	Ratio	Lower	Upper
164	100		
166	129.0	100.8	151.2
129	107.3	80.6	121.0
131	104.5	79.2	118.8



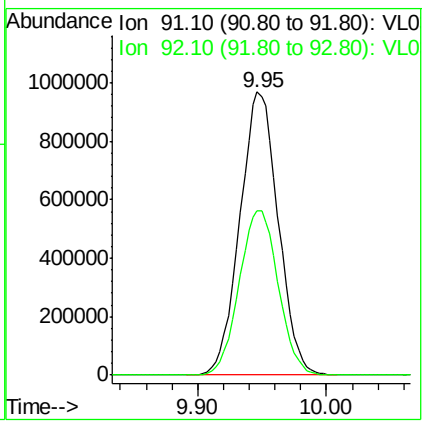


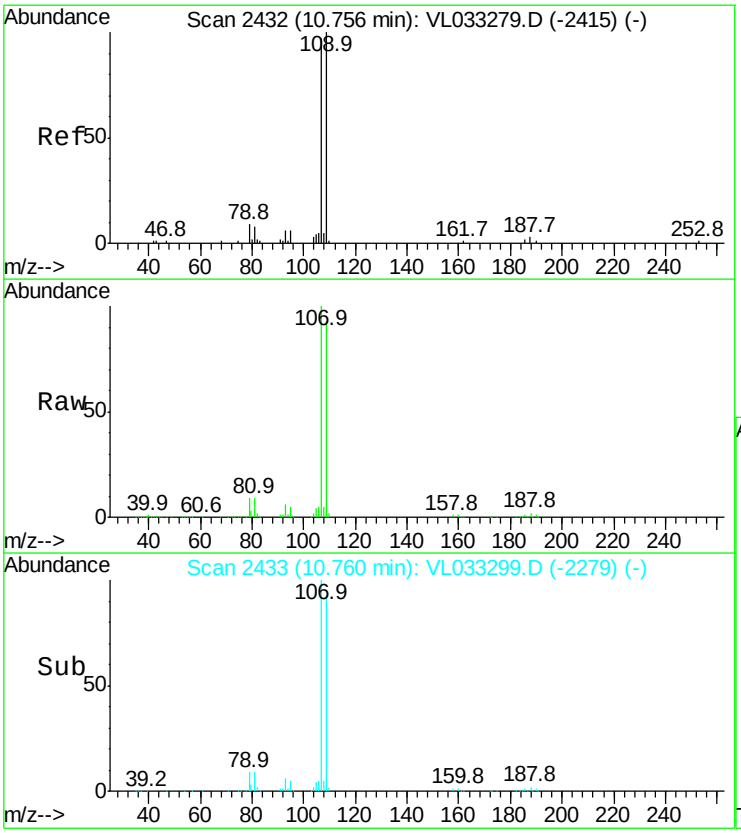
#53
Toluene
Concen: 9.940 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2003329

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.8	71.8

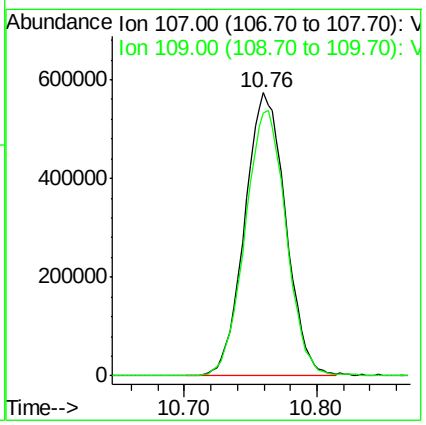


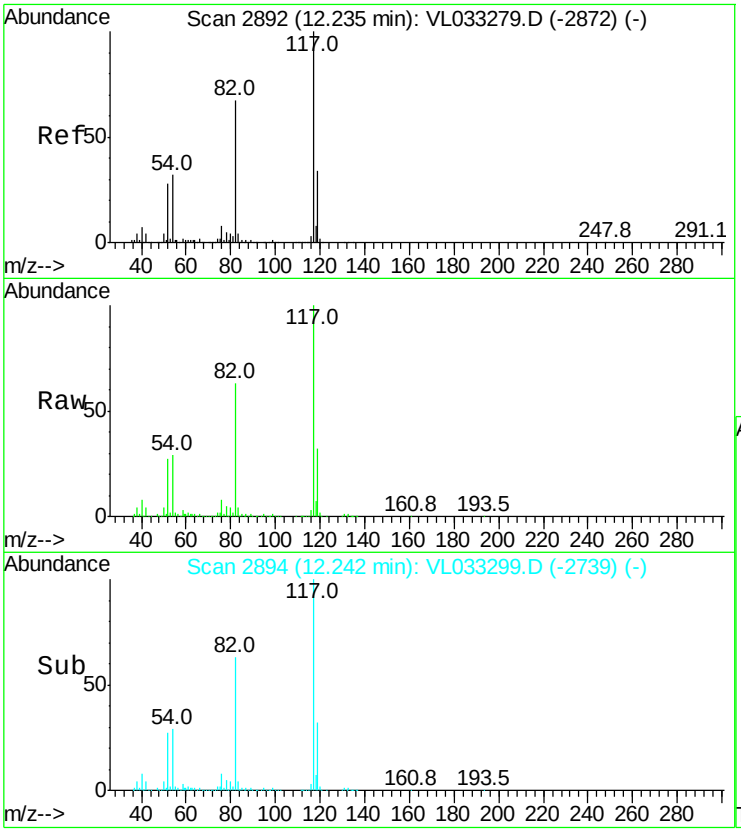


#54
1,2-Dibromoethane
Concen: 11.422 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:107 Resp: 1233572

Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.2	111.2



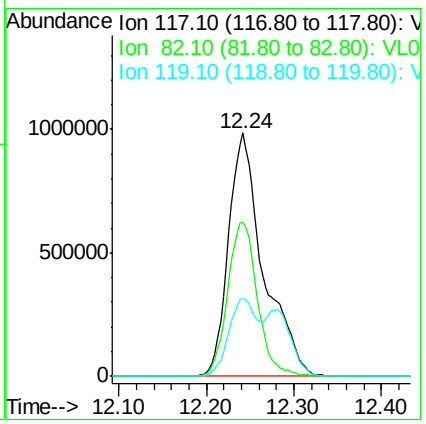


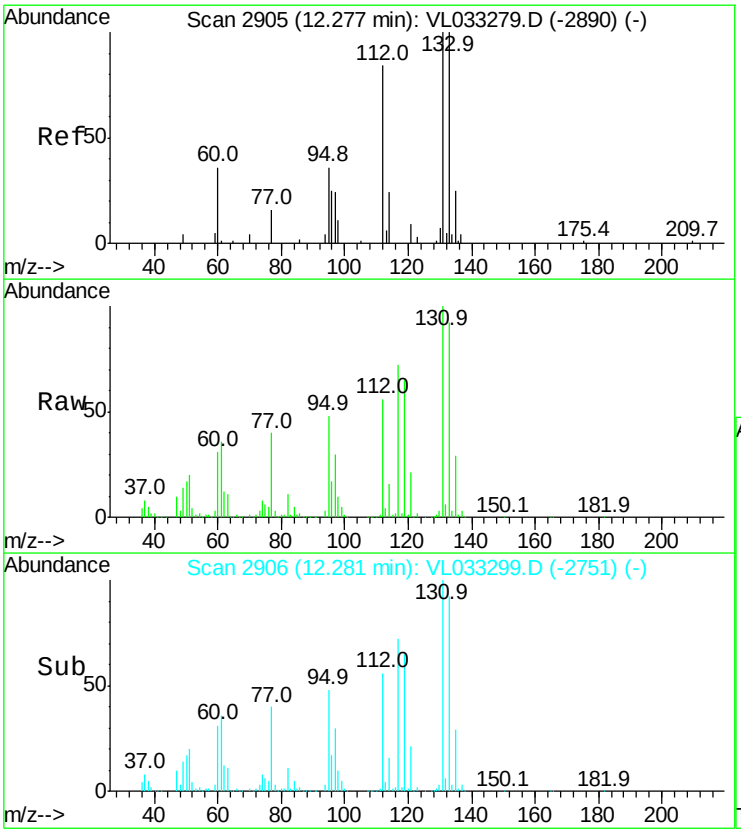
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 2736318

Ion	Ratio	Lower	Upper
117	100		
82	53.9	51.1	76.7
119	28.4	43.6	65.4#

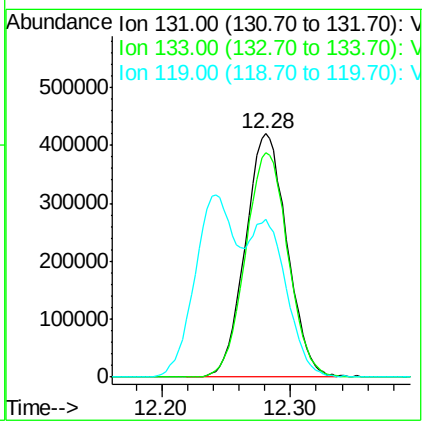


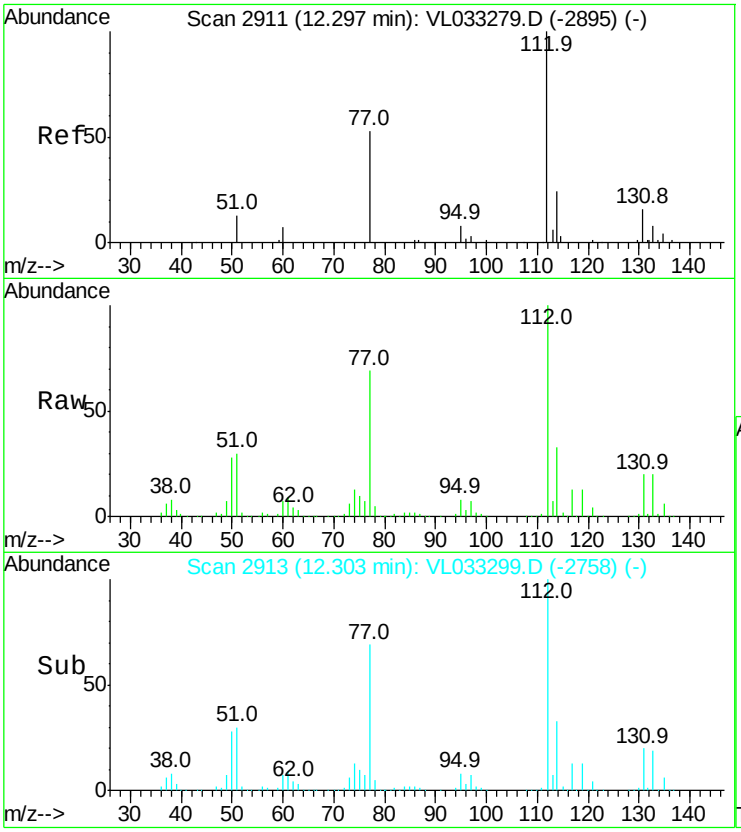


#56
1,1,1,2-Tetrachloroethane
Concen: 8.136 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:131 Resp: 946307

Ion	Ratio	Lower	Upper
131	100		
133	94.1	76.2	114.4
119	56.2	110.3	165.5#



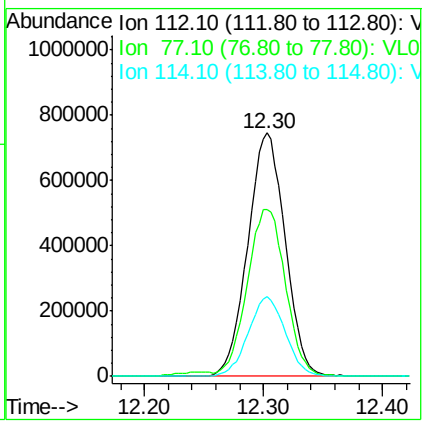


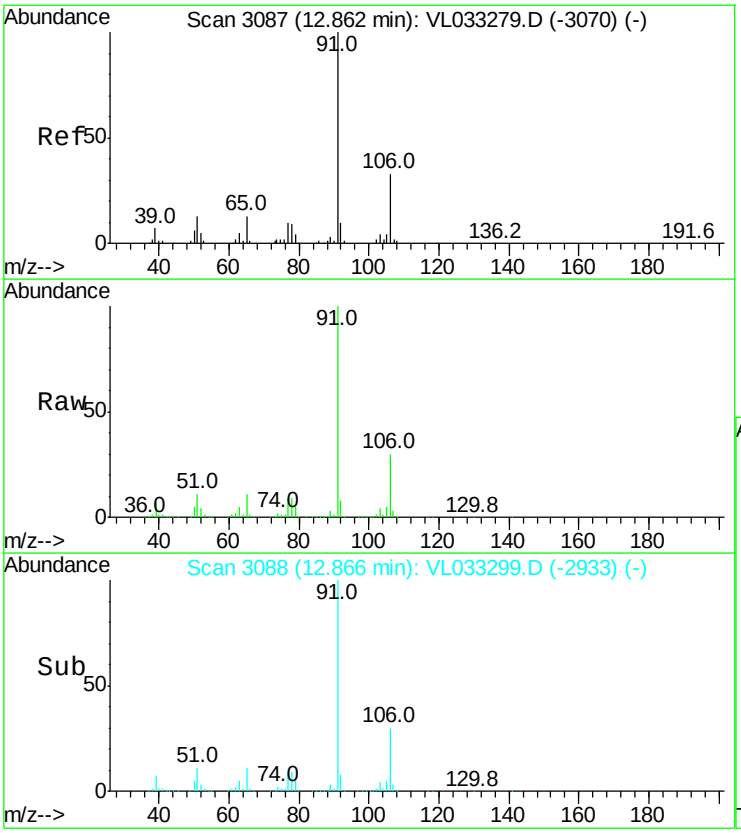
#57
Chlorobenzene
Concen: 7.860 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 1621922

Ion	Ratio	Lower	Upper
112	100		
77	68.4	55.8	83.8
114	32.9	29.5	36.1

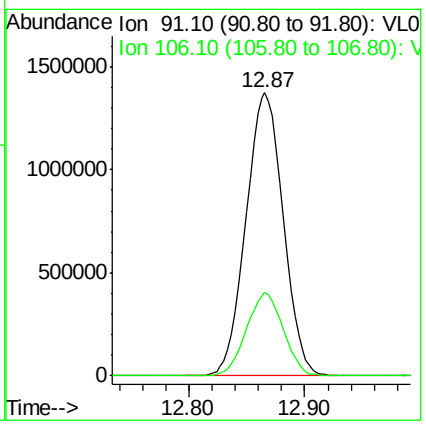


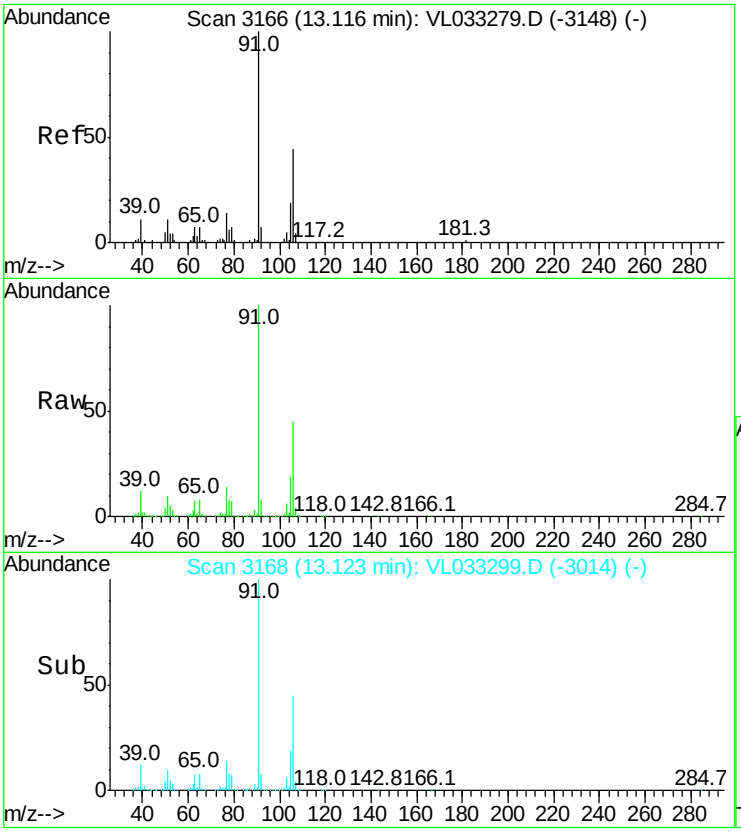


#58
Ethyl Benzene
Concen: 8.168 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 91 Resp: 3071409

Ion	Ratio	Lower	Upper
91	100		
106	29.7	22.5	33.7



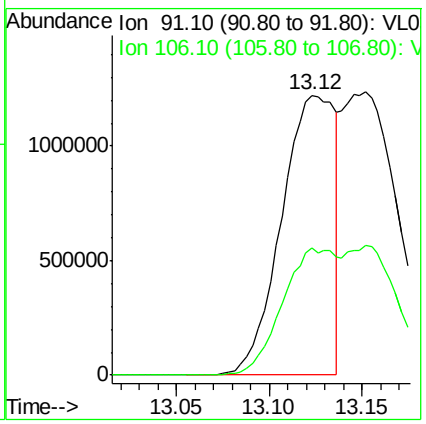


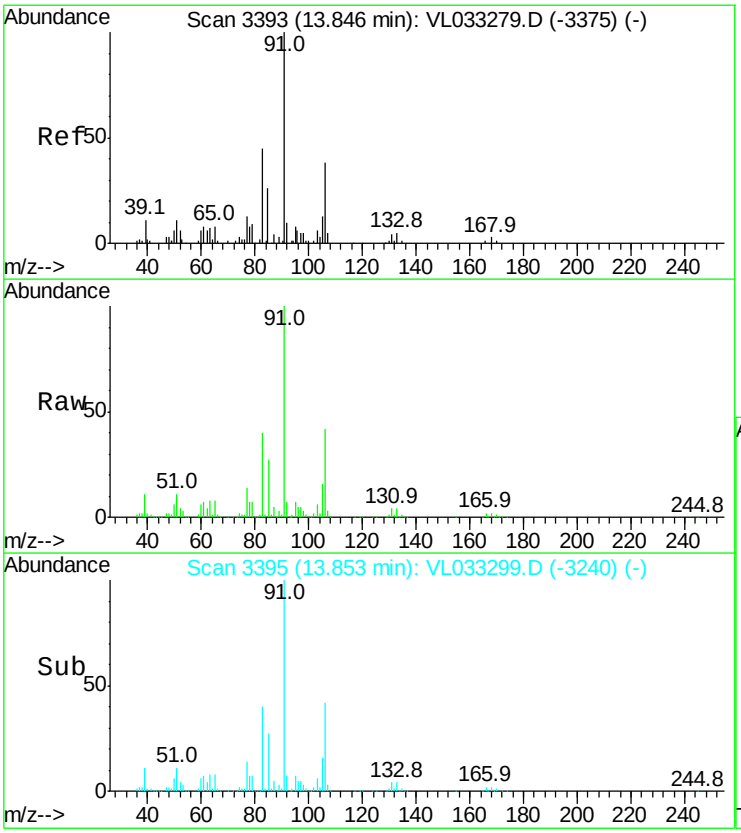
#59
m/p-Xylene
Concen: 7.726 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2429574

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#

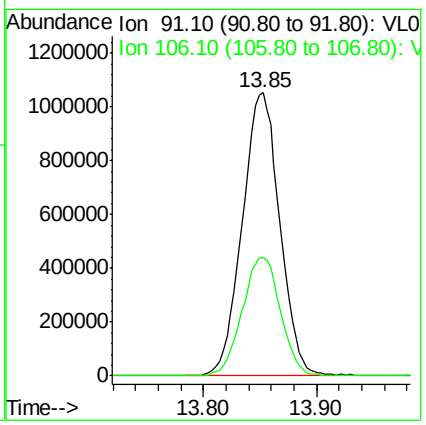


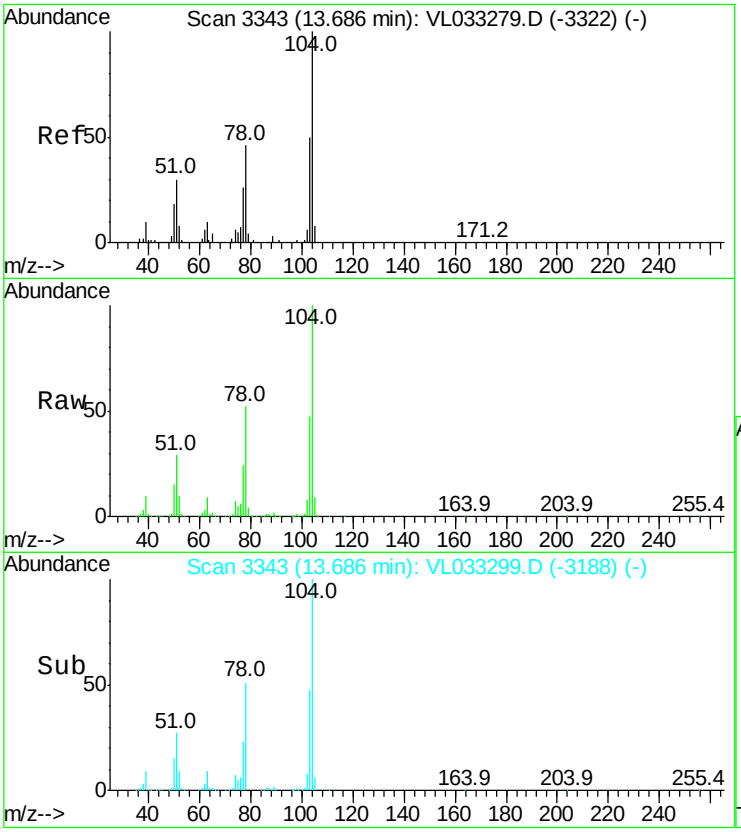


#60
o-Xylene
Concen: 7.998 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 91 Resp: 2418009

Ion	Ratio	Lower	Upper
91	100		
106	42.9	21.3	63.7



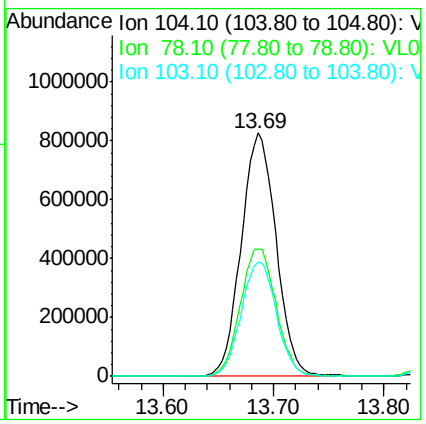


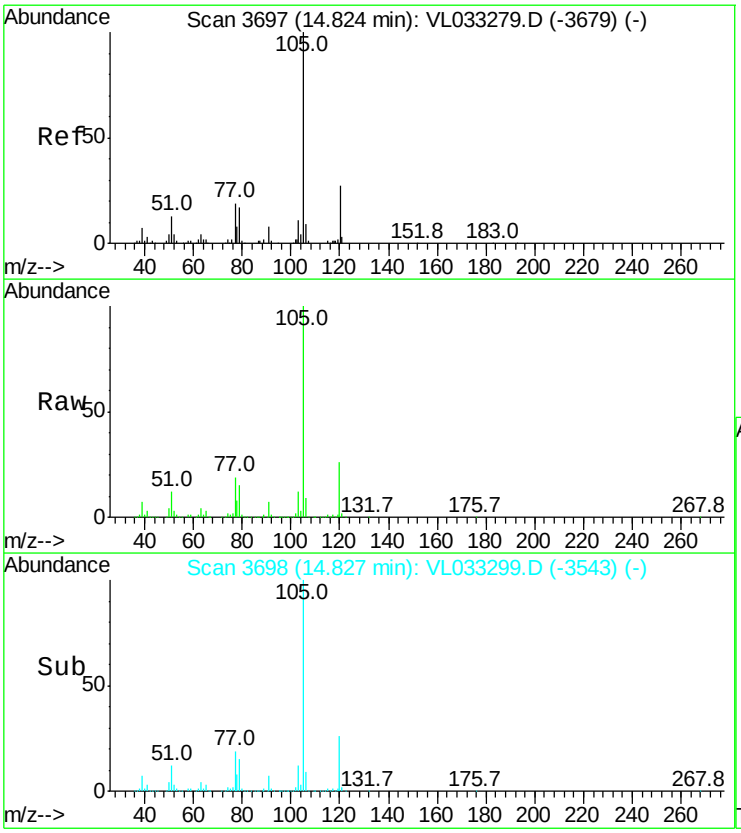
#61
Styrene
Concen: 8.418 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 1812500

Ion	Ratio	Lower	Upper
104	100		
78	54.1	43.3	64.9
103	47.7	38.0	57.0

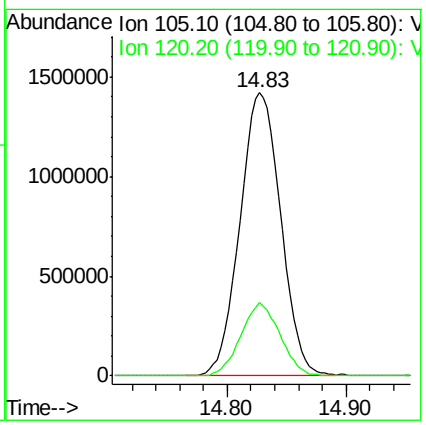


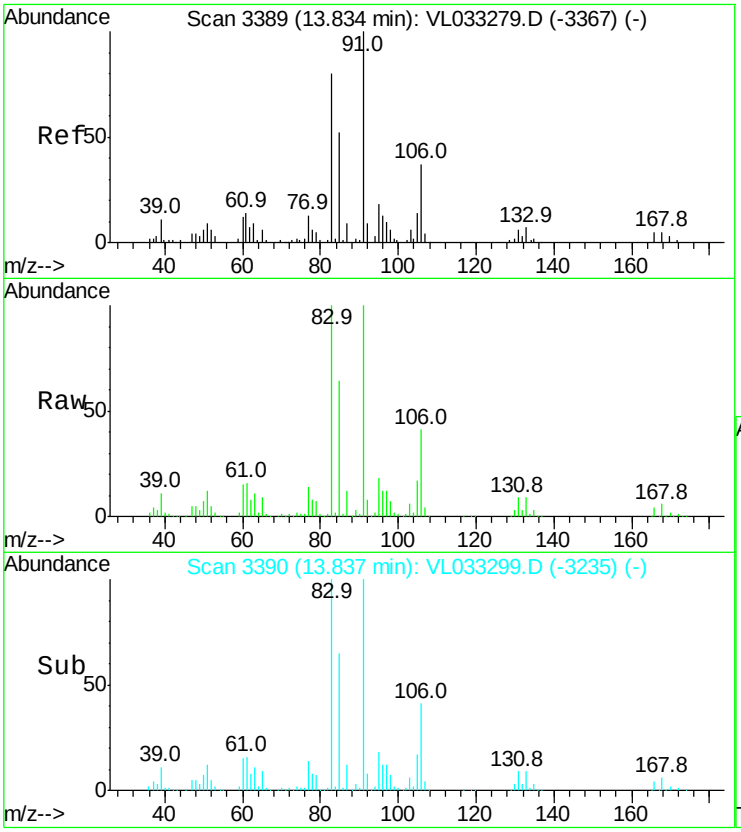


#62
Isopropylbenzene
Concen: 8.005 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:105 Resp: 3372059

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.0	30.0



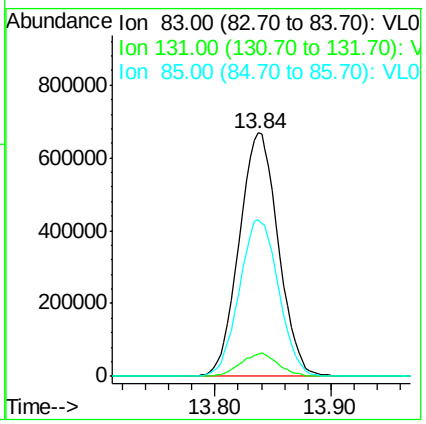


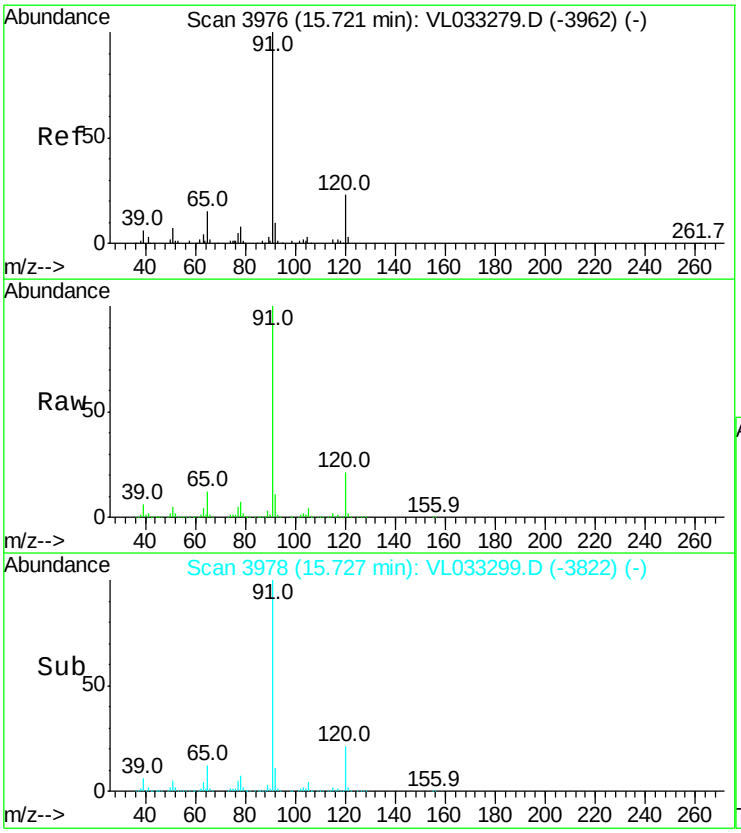
#63
1,1,2,2-Tetrachloroethane
Concen: 7.745 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1569541

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.7
85	64.9	32.2	96.6

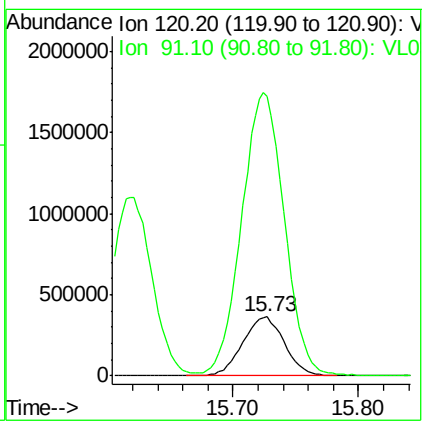


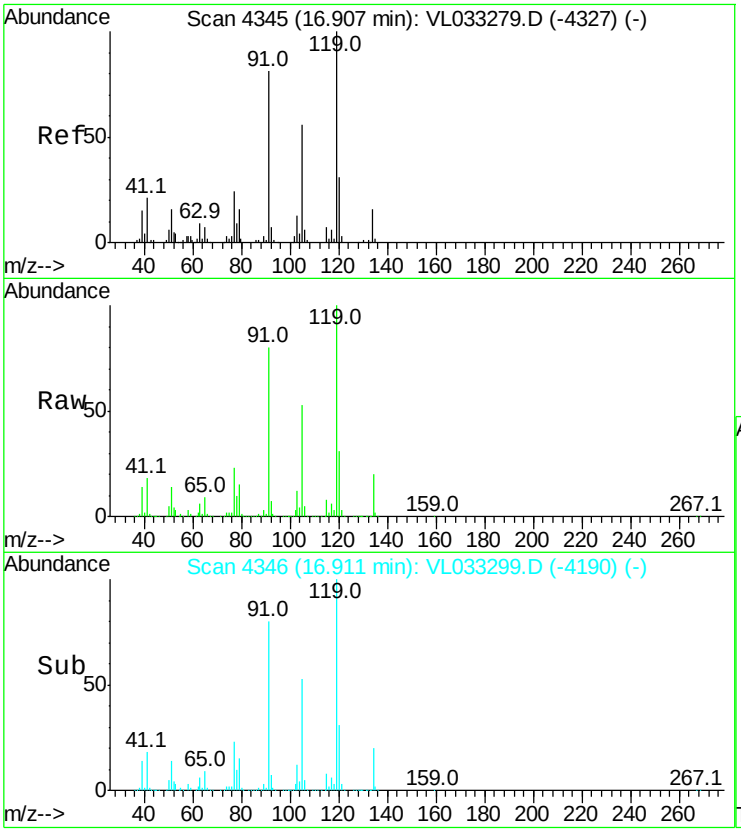


#64
n-propylbenzene
Concen: 8.130 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:120 Resp: 842700

Ion	Ratio	Lower	Upper
120	100		
91	492.1	385.8	578.8



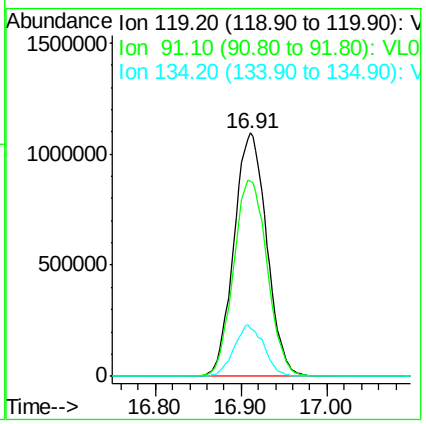


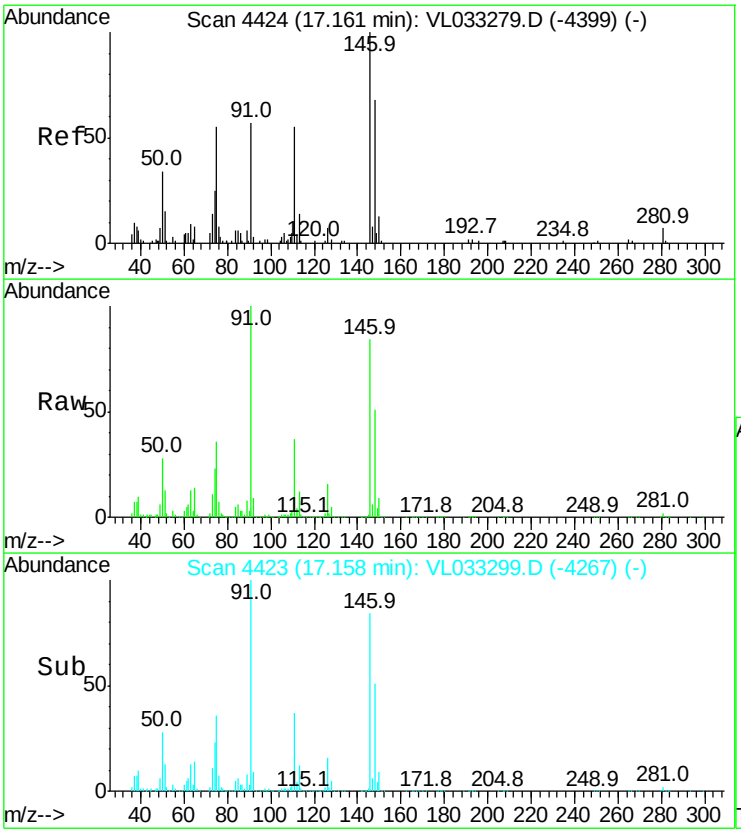
#65
tert-Butylbenzene
Concen: 8.130 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 2890658

Ion	Ratio	Lower	Upper
119	100		
91	83.0	67.3	100.9
134	19.3	15.4	23.2

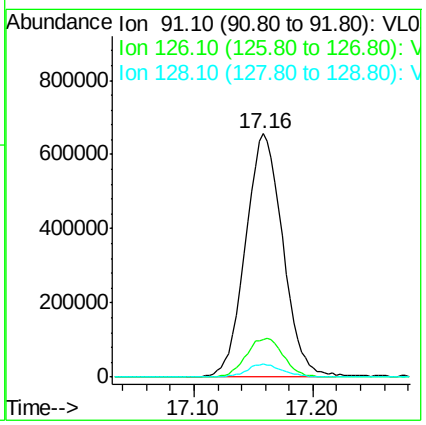


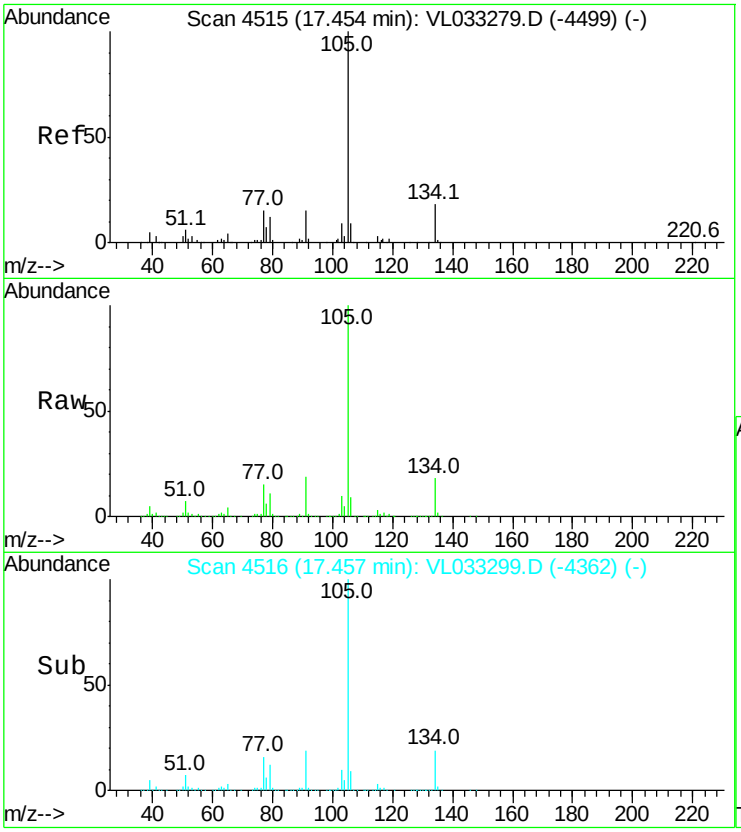


#66
Benzyl Chloride
Concen: 10.312 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 91 Resp: 1420175

Ion	Ratio	Lower	Upper
91	100		
126	16.1	13.0	19.6
128	5.2	4.3	6.5



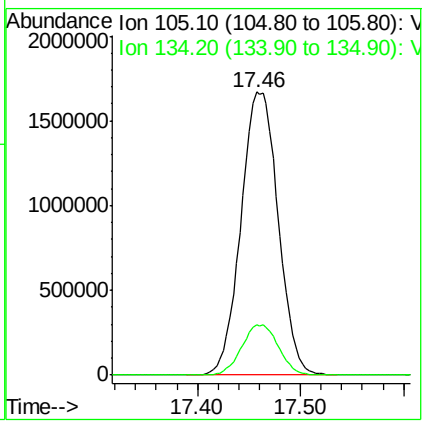


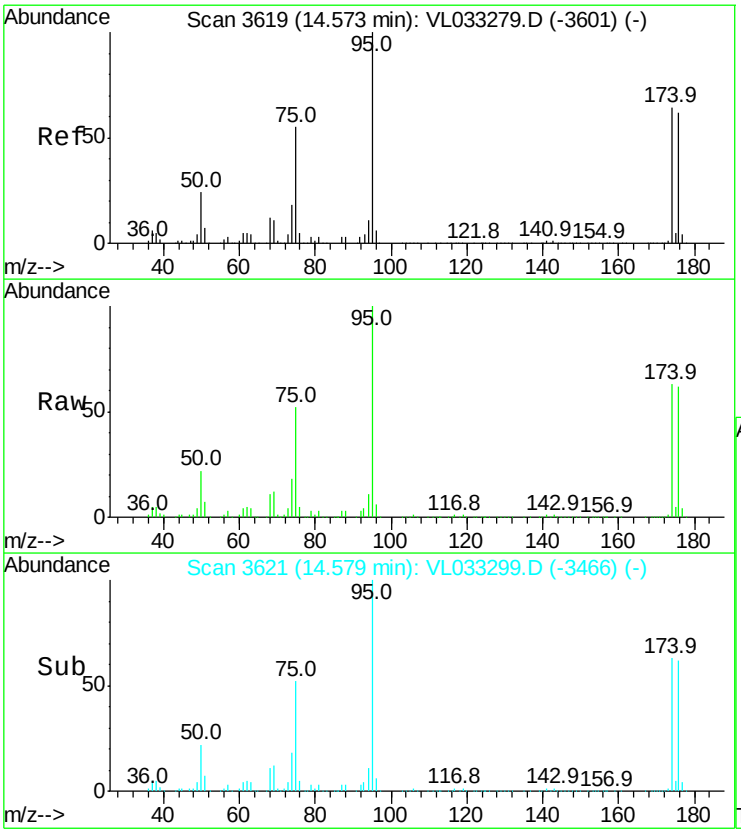
#67
sec-Butylbenzene
Concen: 8.247 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 4173711

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.2	21.2

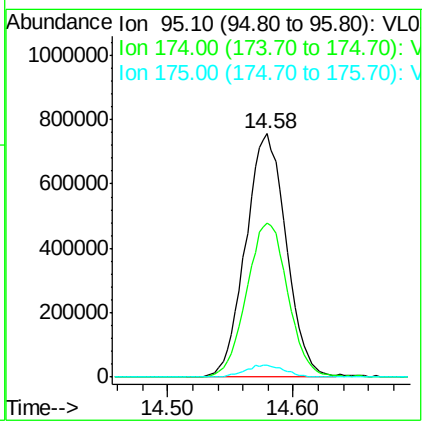


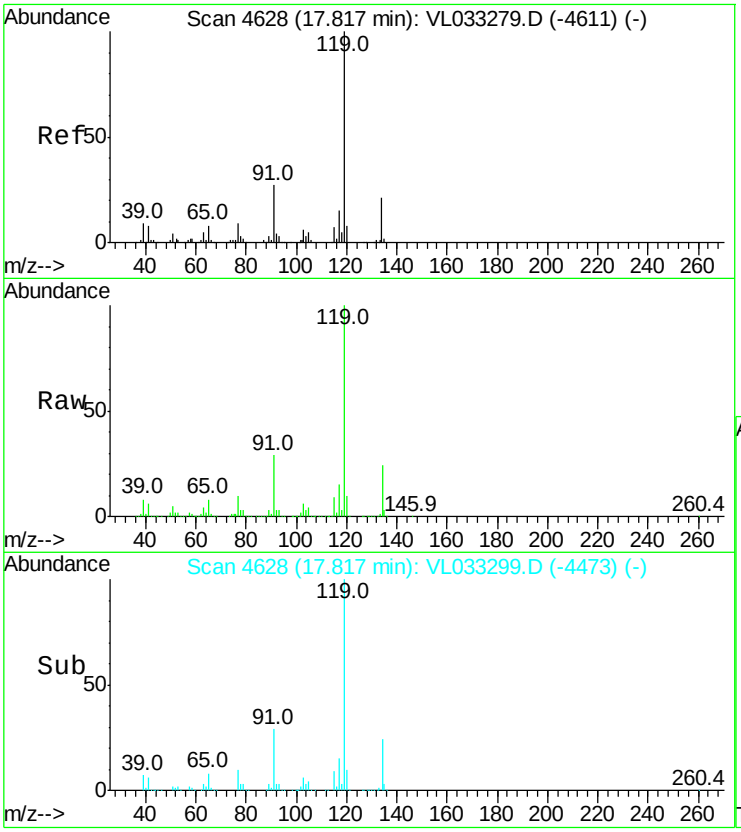


#68
1-Bromo-4-Fluorobenzene
Concen: 8.054 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 95 Resp: 1701942

Ion	Ratio	Lower	Upper
95	100		
174	64.9	51.7	77.5
175	4.9	3.7	5.5



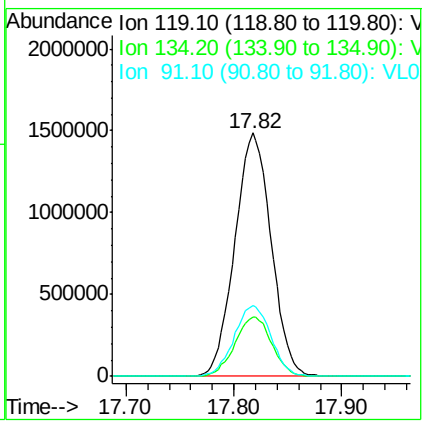


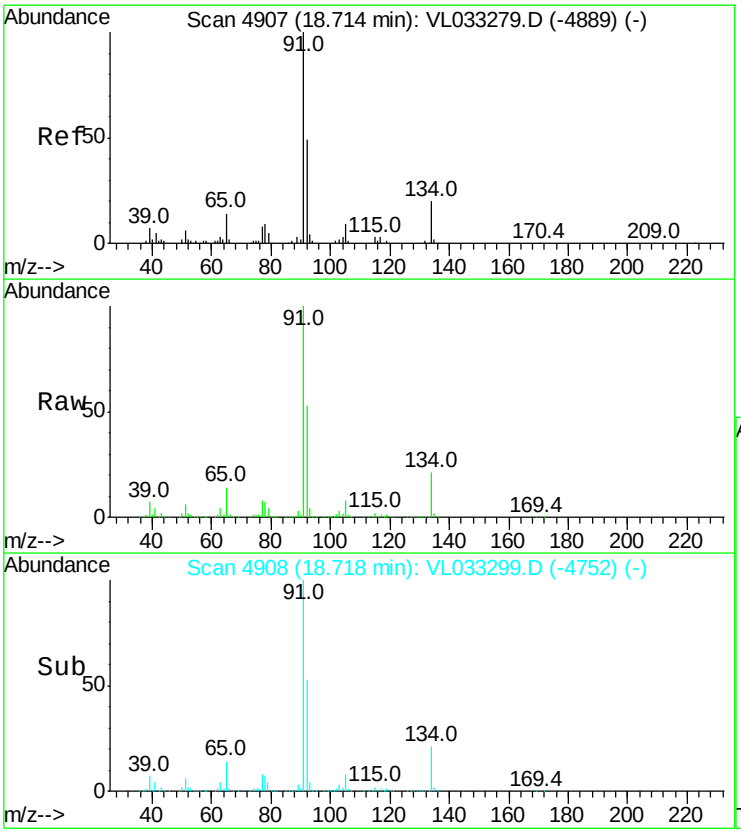
#69
p-Isopropyltoluene
Concen: 8.525 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 3485055

Ion	Ratio	Lower	Upper
119	100		
134	24.7	19.7	29.5
91	29.8	23.5	35.3

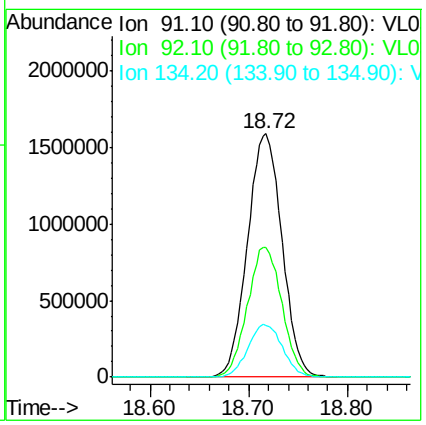


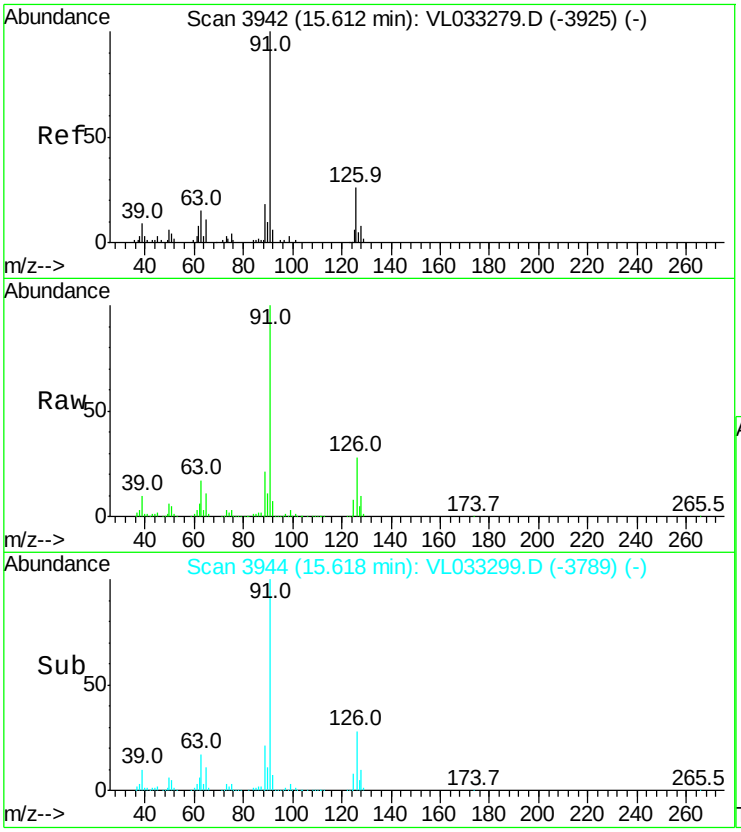


#70
n-Butylbenzene
Concen: 8.737 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion: 91 Resp: 3835549

Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.4	63.6
134	21.7	17.1	25.7



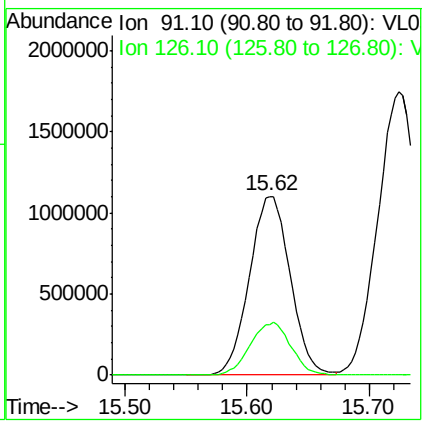


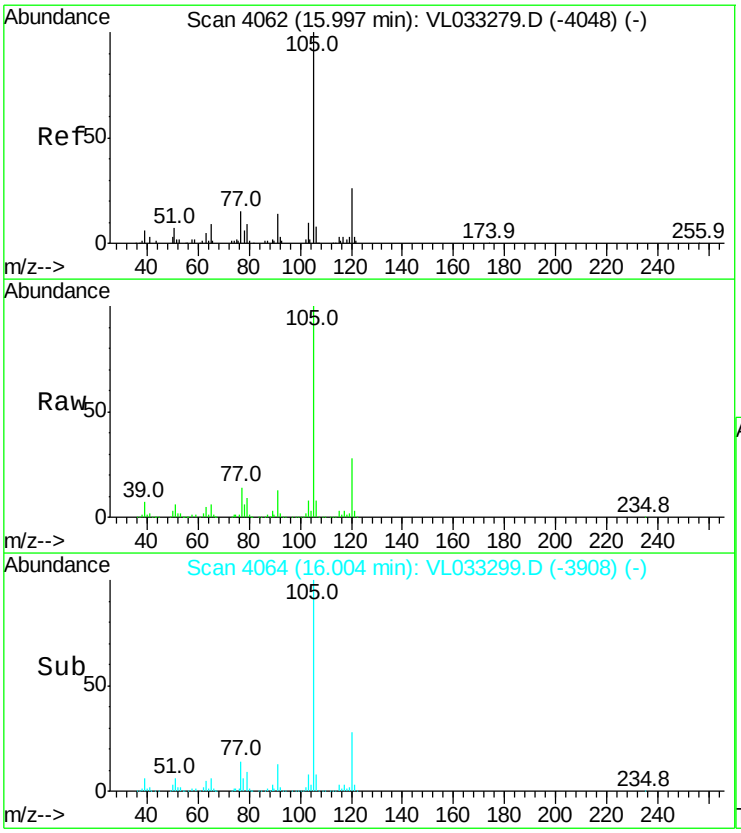
#71
2-Chlorotoluene
Concen: 8.050 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2556096

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.7	46.7

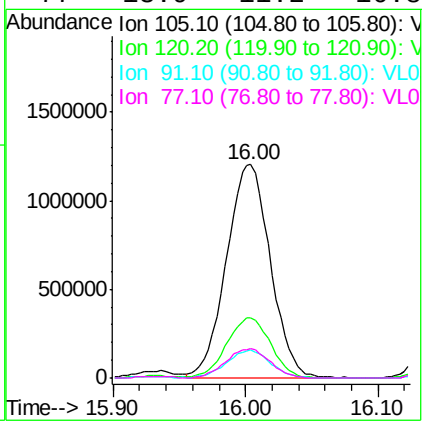


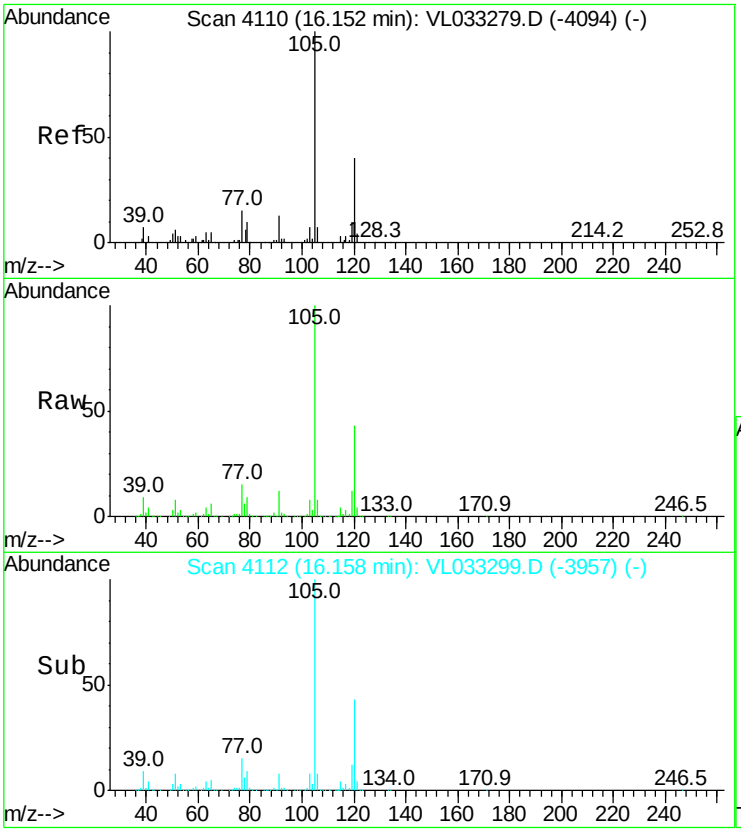


#72
4-Ethyltoluene
Concen: 8.404 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:105 Resp: 2744492

Ion	Ratio	Lower	Upper
105	100		
120	28.4	22.9	34.3
91	12.9	10.2	15.2
77	13.9	11.2	16.8



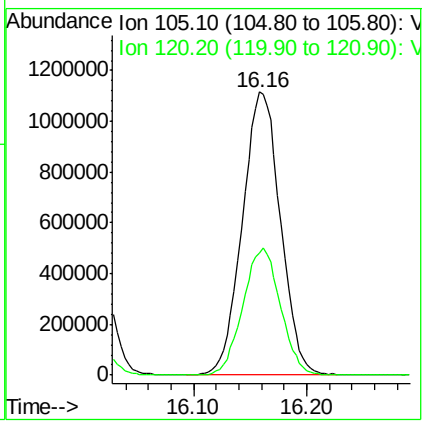


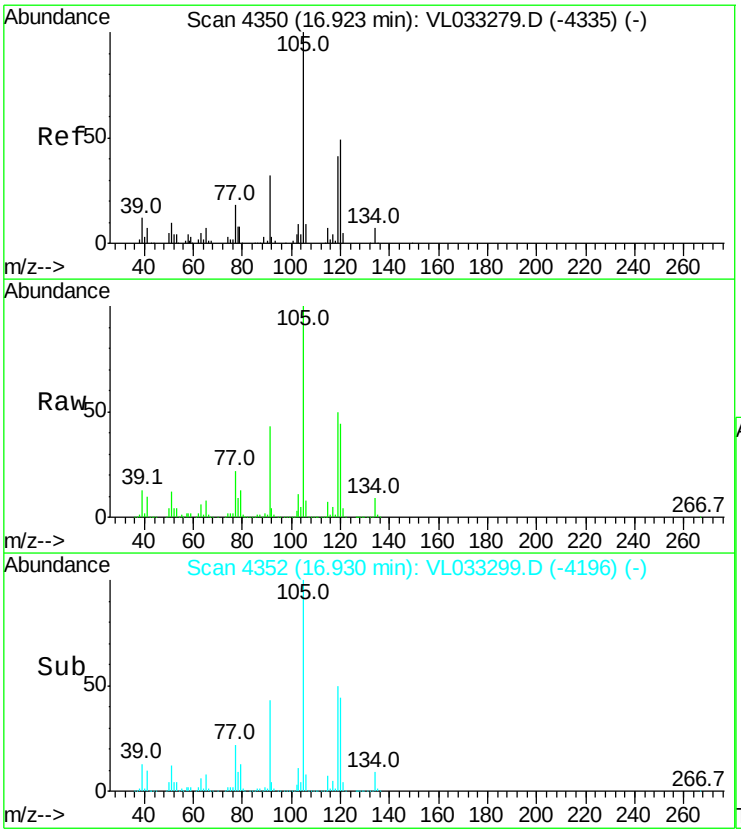
#73
1,3,5-Trimethylbenzene
Concen: 8.439 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:105 Resp: 2596663

Ion	Ratio	Lower	Upper
105	100		
120	43.3	35.1	52.7

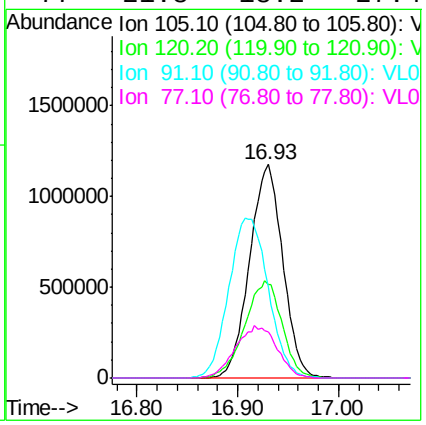


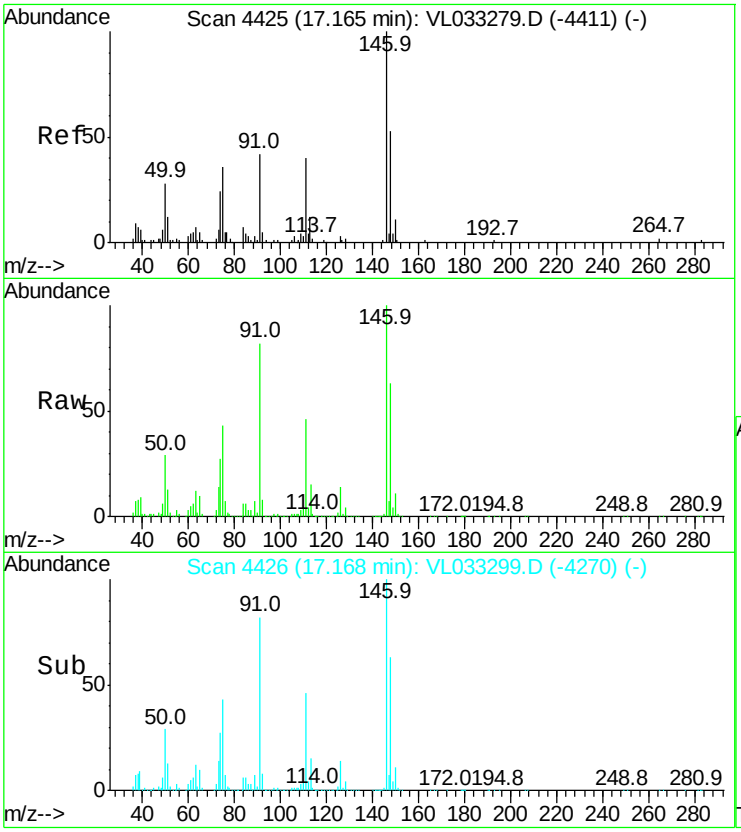


#74
1,2,4-Trimethylbenzene
Concen: 8.582 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:105 Resp: 2689578

Ion	Ratio	Lower	Upper
105	100		
120	44.0	36.1	54.1
91	42.5	38.6	58.0
77	21.8	18.2	27.4



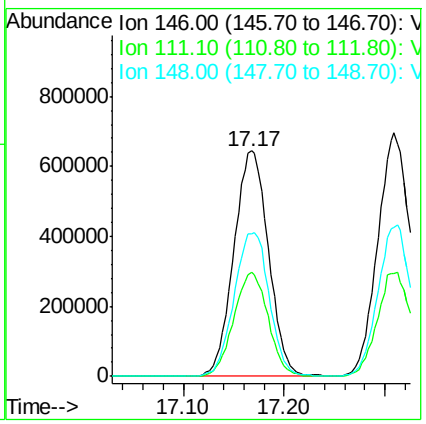


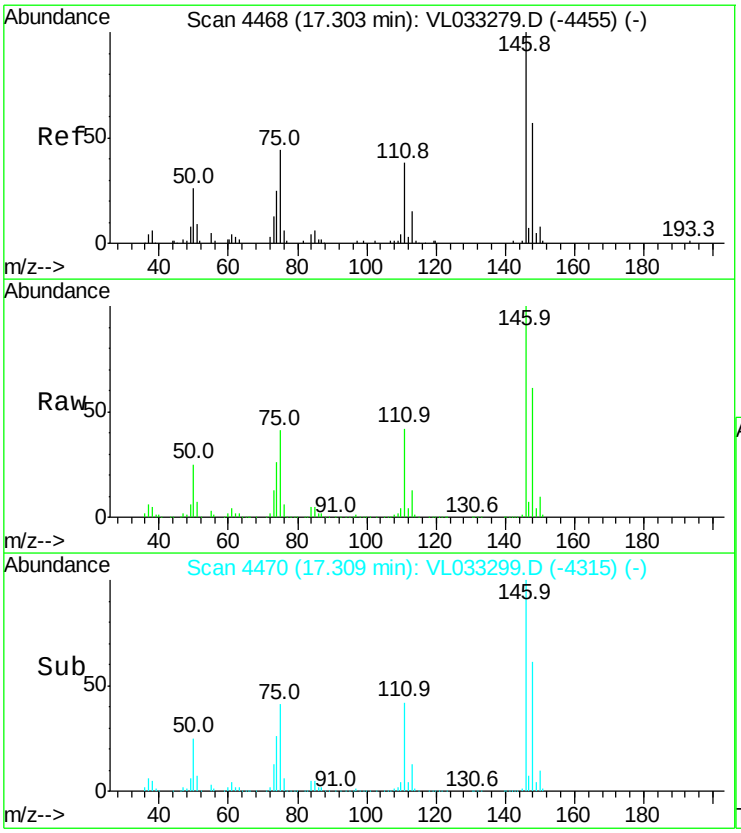
#75
1,3-Dichlorobenzene
Concen: 8.169 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 1534332

Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.8	68.4
148	64.7	31.8	95.3

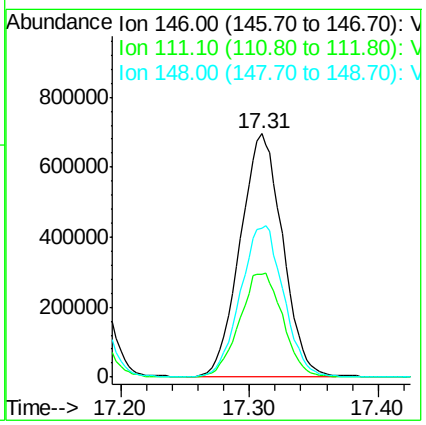


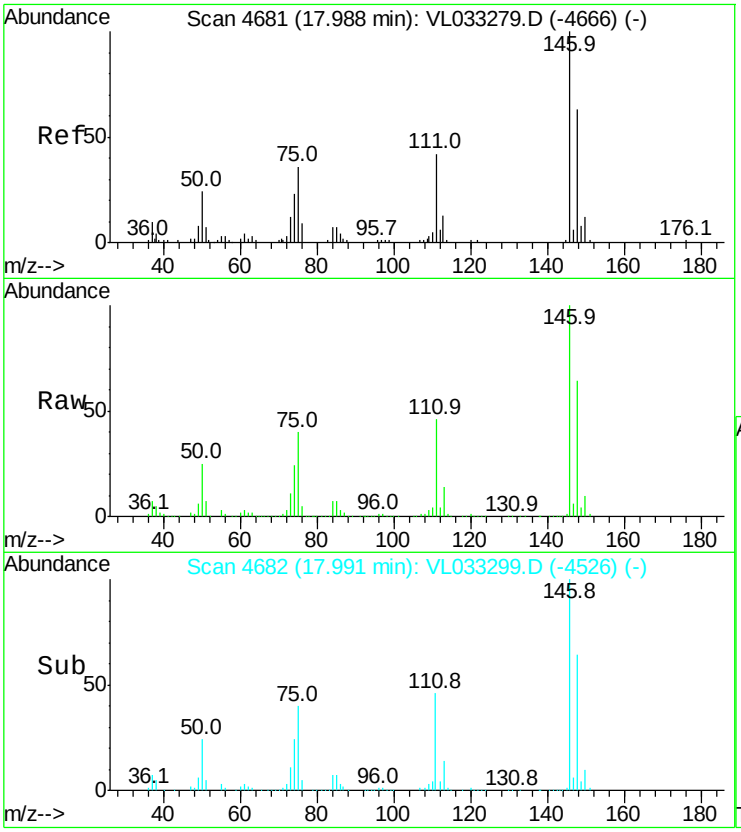


#76
1,4-Dichlorobenzene
Concen: 8.543 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:146 Resp: 1586733

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.1	66.1
148	63.6	31.8	95.3



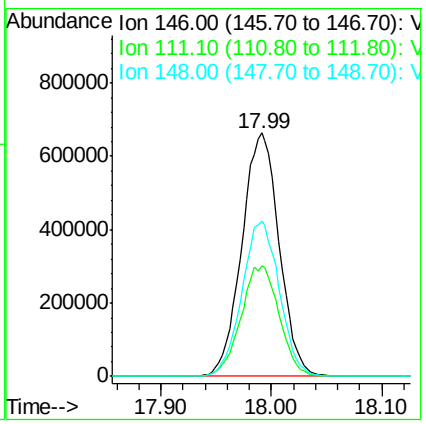


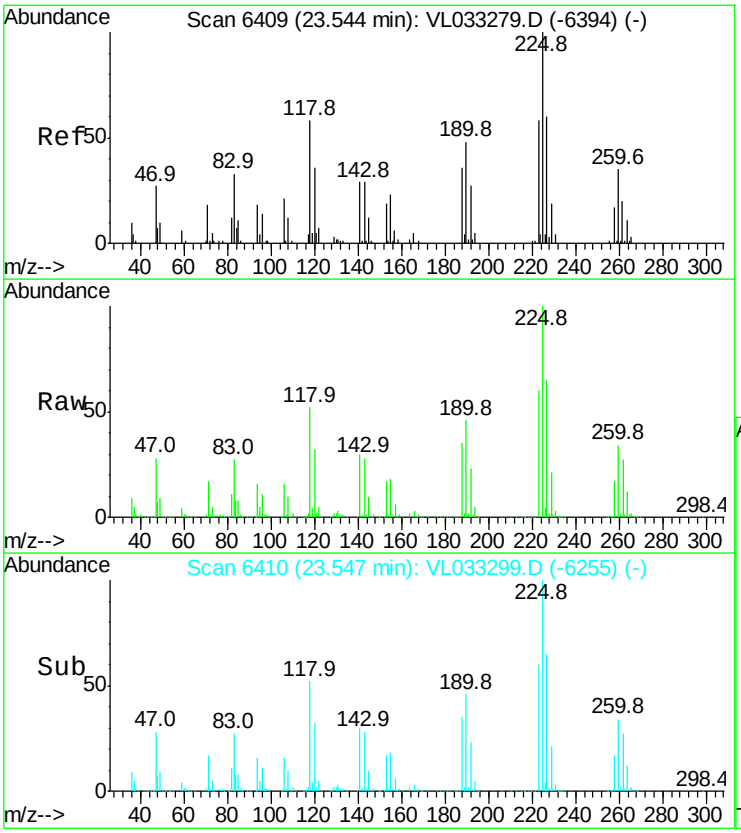
#77
1,2-Dichlorobenzene
Concen: 8.344 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:146 Resp: 1560090

Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.5	70.5
148	64.0	31.7	95.1

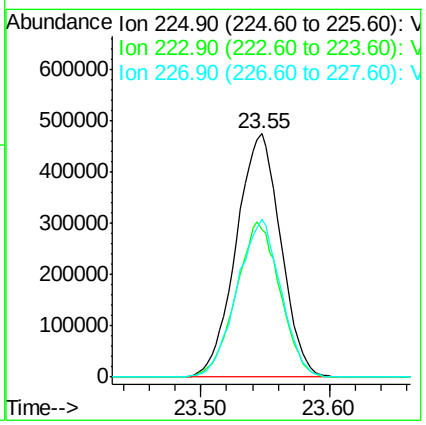


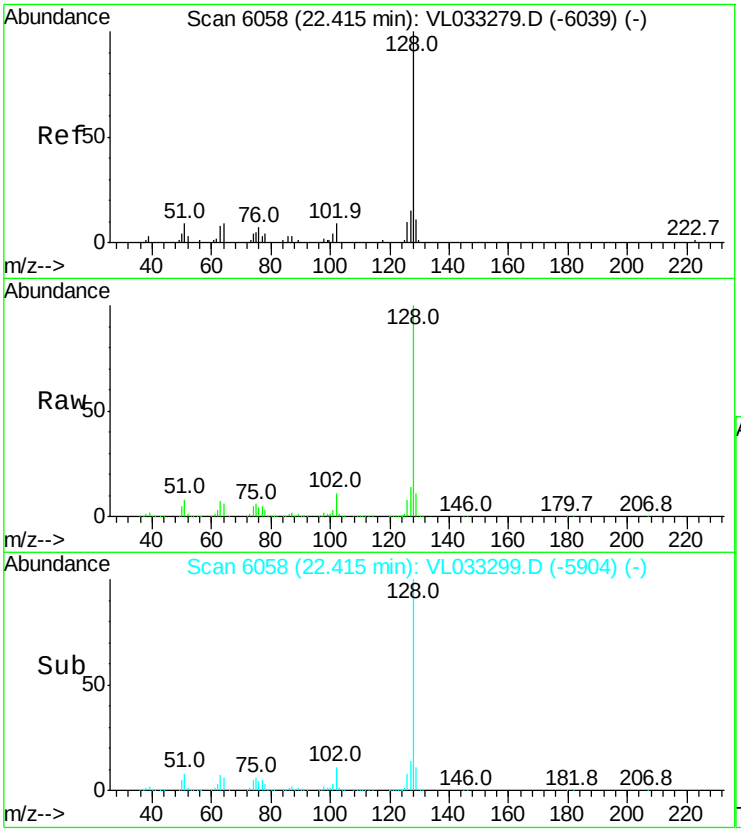


#78
Hexachloro-1,3-Butadiene
Concen: 7.314 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:225 Resp: 1139424

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	64.0	51.1	76.7



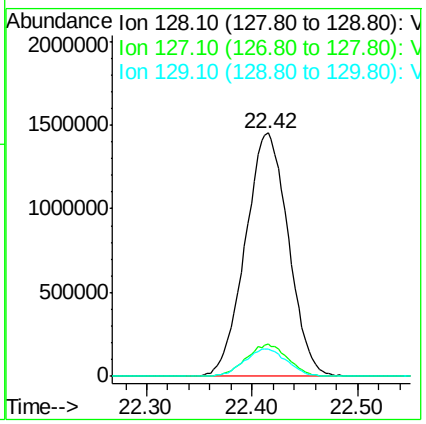


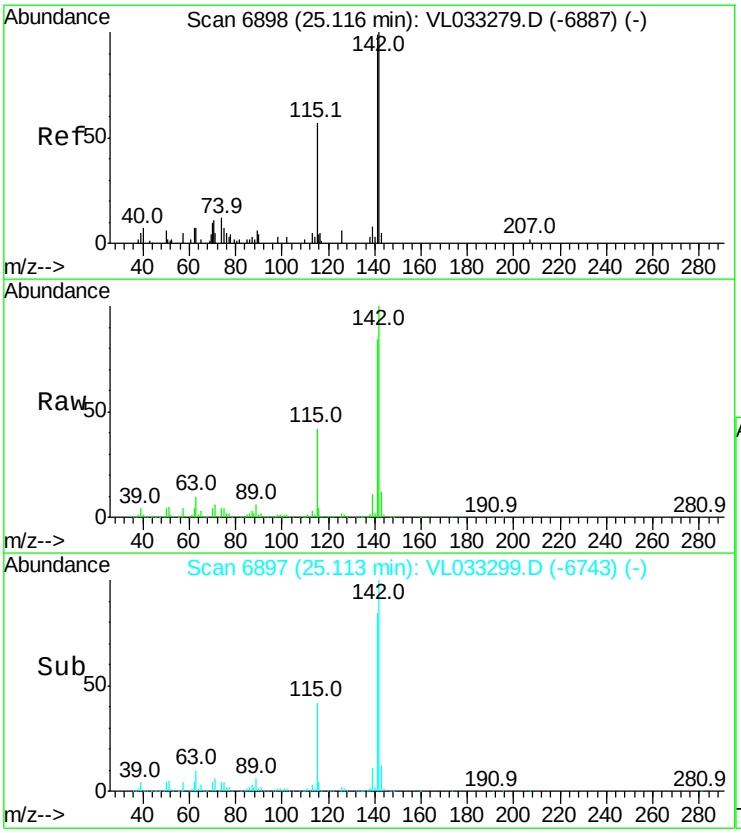
#79
Naphthalene
Concen: 12.166 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 4127644

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	11.1	8.4	12.6

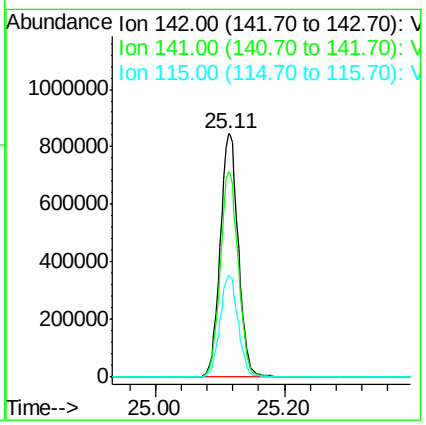


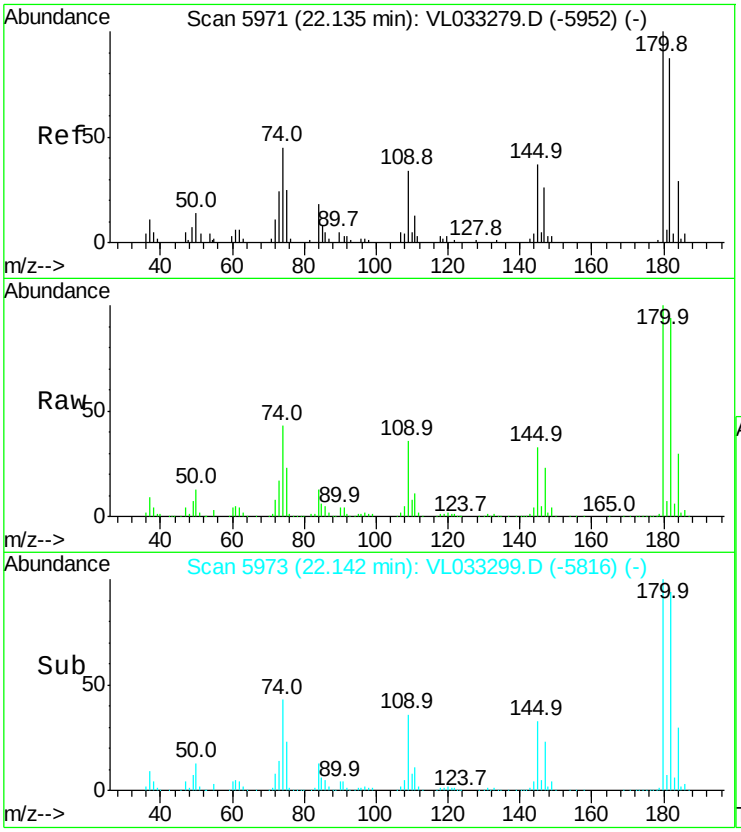


#80
Naphthalene,2-methyl-
Concen: 17.780 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.01 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Tgt Ion:142 Resp: 1652764

Ion	Ratio	Lower	Upper
142	100		
141	84.0	68.0	102.0
115	42.0	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 10.680 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. 0.00 min
Lab File: VL033299.D
Acq: 13 Mar 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 1907454

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	114.8
184	30.7	24.2	36.4