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

Quantitation Report (Not Reviewed)

Data File : VL033300.D
Acq On : 13 Mar 2019 17:12
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Mar 13 18:10:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 17:31:13 2019
QLast Update : Wed Mar 13 17:31:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	823068	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1904676	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2181697	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1641243	9.74	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	212828	1.280	ppbv		98
3) Chlorodifluoromethane	3.01	51	223757	2.050	ppbv		99
4) Chloromethane	3.17	50	121468	2.081	ppbv		97
5) Vinyl Chloride	3.29	62	111482	1.956	ppbv		95
6) Bromomethane	3.52	94	69181	1.987	ppbv		100
7) Chloroethane	3.60	64	41817	2.029	ppbv	#	88
8) Dichlorotetrafluoroethane	3.22	85	282208	2.008	ppbv		100
9) Propene	3.04	41	100684	2.023	ppbv		100
10) Heptane	8.24	43	268349	2.394	ppbv		99
11) Trichlorofluoromethane	4.00	101	313415	1.905	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	212114	2.253	ppbv		97
13) Ethanol	3.65	45	40754	2.684	ppbv		99
14) Bromoethene	3.79	108	87573	1.994	ppbv		97
15) Acetone	3.90	43	251140	1.989	ppbv		97
16) 1,3-Butadiene	3.36	39	93765	2.057	ppbv		90
17) tert-Butyl alcohol	4.36	59	17234	1.017	ppbv	#	58
18) 1,1-Dichloroethene	4.35	96	93391	2.241	ppbv		92
19) Isopropyl Alcohol	4.03	45	143306	1.878	ppbv	#	98
20) Methylene Chloride	4.41	84	100147	2.386	ppbv		89
21) Allyl Chloride	4.48	41	136614	2.177	ppbv		97
22) trans-1,2-Dichloroethene	4.96	96	94435	2.124	ppbv		84
23) Vinyl Acetate	5.15	43	337439	2.133	ppbv		99
24) 1,1-Dichloroethane	5.09	63	242864	2.117	ppbv		99
25) Ethyl Acetate	5.77	43	434377	2.233	ppbv		98
26) Hexane	5.78	57	210602	2.306	ppbv		93
27) Carbon Disulfide	4.62	76	207939	2.146	ppbv		98
28) Methyl tert-Butyl Ether	5.11	73	280835	2.167	ppbv		99
29) Chloroform	5.84	83	309130	2.225	ppbv		98
30) Cyclohexane	7.25	84	153107	2.163	ppbv		87
31) cis-1,2-Dichloroethene	5.64	61	191368	2.186	ppbv		98
32) 1,1,1-Trichloroethane	6.62	97	286349	2.115	ppbv		98
34) 2-Butanone	5.33	43	276065	2.192	ppbv		100
35) Carbon Tetrachloride	7.13	117	295371	2.122	ppbv		98
36) Benzene	7.00	78	391925	2.231	ppbv		99
37) 1,2-Dichloroethane	6.41	62	226707	2.152	ppbv		98
38) Trichloroethene	7.96	130	159436	2.328	ppbv		97
39) 1,2-Dichloropropane	7.73	63	159440	2.412	ppbv		99
40) 1,4-Dioxane	7.96	88	22271	0.895	ppbv	#	1
41) Tetrahydrofuran	6.15	42	151396	2.165	ppbv		99
42) Bromodichloromethane	7.91	83	349311	2.408	ppbv		97
43) Methyl Methacrylate	8.14	69	169940	2.482	ppbv		99

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

Quantitation Report (Not Reviewed)

Data File : VL033300.D
Acq On : 13 Mar 2019 17:12
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Mar 13 18:10:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 17:31:13 2019
QLast Update : Wed Mar 13 17:31:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	727470	2.438	ppbv		100
45) t-1,3-Dichloropropene	9.41	75	190707	2.266	ppbv		98
46) cis-1,3-Dichloropropene	8.83	75	233548	2.367	ppbv		99
47) 1,1,2-Trichloroethane	9.61	97	169790	2.405	ppbv		97
48) Dibromochloromethane	10.44	129	268499	2.320	ppbv		99
49) Bromoform	13.20	173	214417	2.286	ppbv		98
50) 4-Methyl-2-Pentanone	8.87	43	436440	2.428	ppbv		100
51) 2-Hexanone	10.27	43	327874	2.390	ppbv		99
52) Tetrachloroethene	11.37	164	150728	2.341	ppbv		90
53) Toluene	9.95	91	482423	2.383	ppbv		100
54) 1,2-Dibromoethane	10.76	107	261000	2.406	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.28	131	200453	2.161	ppbv	#	1
57) Chlorobenzene	12.30	112	356686	2.168	ppbv		97
58) Ethyl Benzene	12.86	91	645588	2.153	ppbv		100
59) m/p-Xylene	13.15	91	438565	1.749	ppbv	#	100
60) o-Xylene	13.85	91	524310	2.175	ppbv		99
61) Styrene	13.68	104	366372	2.134	ppbv		99
62) Isopropylbenzene	14.83	105	722372	2.151	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	351521	2.176	ppbv		100
64) n-propylbenzene	15.72	120	180838	2.188	ppbv		98
65) tert-Butylbenzene	16.91	119	621386	2.192	ppbv		98
66) Benzyl Chloride	17.15	91	206781	1.883	ppbv		100
67) sec-Butylbenzene	17.46	105	888688	2.202	ppbv		98
69) p-Isopropyltoluene	17.81	119	712788	2.187	ppbv		99
70) n-Butylbenzene	18.71	91	738188	2.109	ppbv		100
71) 2-Chlorotoluene	15.61	91	540052	2.133	ppbv		99
72) 4-Ethyltoluene	16.00	105	561020	2.155	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	503175	2.051	ppbv		99
74) 1,2,4-Trimethylbenzene	16.92	105	514270	2.058	ppbv	#	94
75) 1,3-Dichlorobenzene	17.16	146	331694	2.215	ppbv		100
76) 1,4-Dichlorobenzene	17.30	146	315321	2.129	ppbv		98
77) 1,2-Dichlorobenzene	17.99	146	160753	1.078	ppbv	#	22
78) Hexachloro-1,3-Butadiene	23.54	225	245344	1.975	ppbv		100
79) Naphthalene	22.41	128	174188	0.644	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	22682	0.306	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	130380	0.916	ppbv	#	17

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

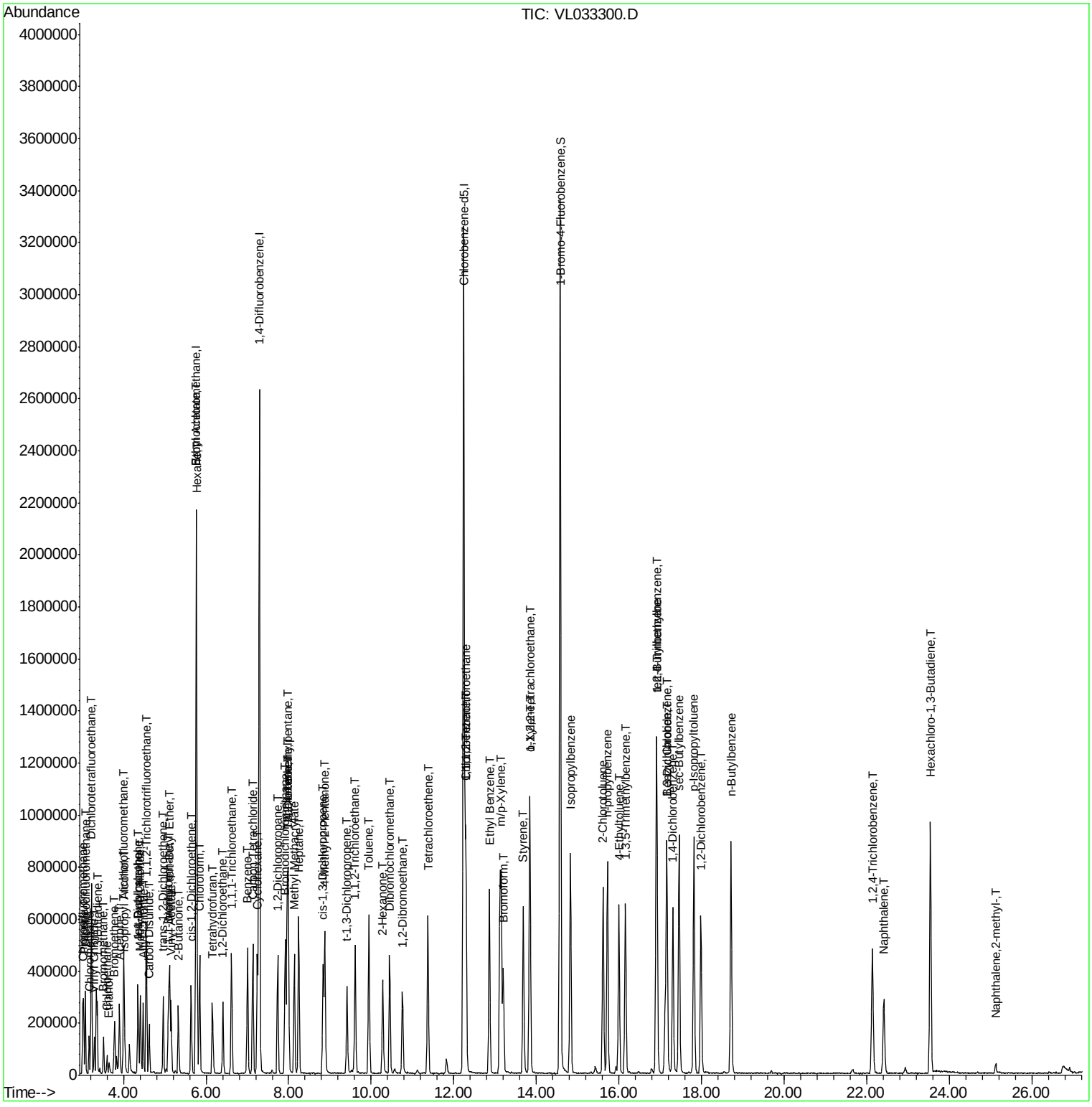
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031319\

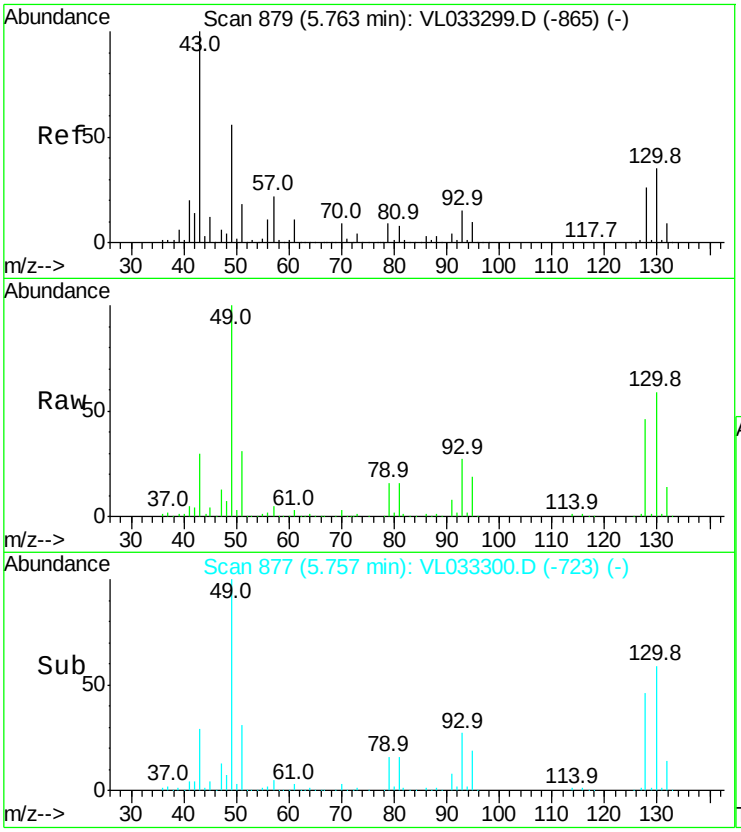
Quantitation Report (Not Reviewed)

Data File : VL033300.D
Acq On : 13 Mar 2019 17:12
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Mar 13 18:10:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 17:31:13 2019
QLast Update : Wed Mar 13 17:31:13 2019
Response via : Initial Calibration



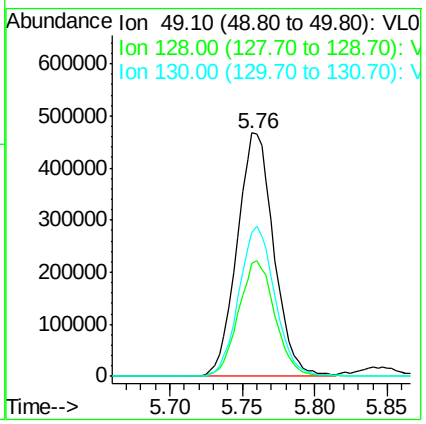


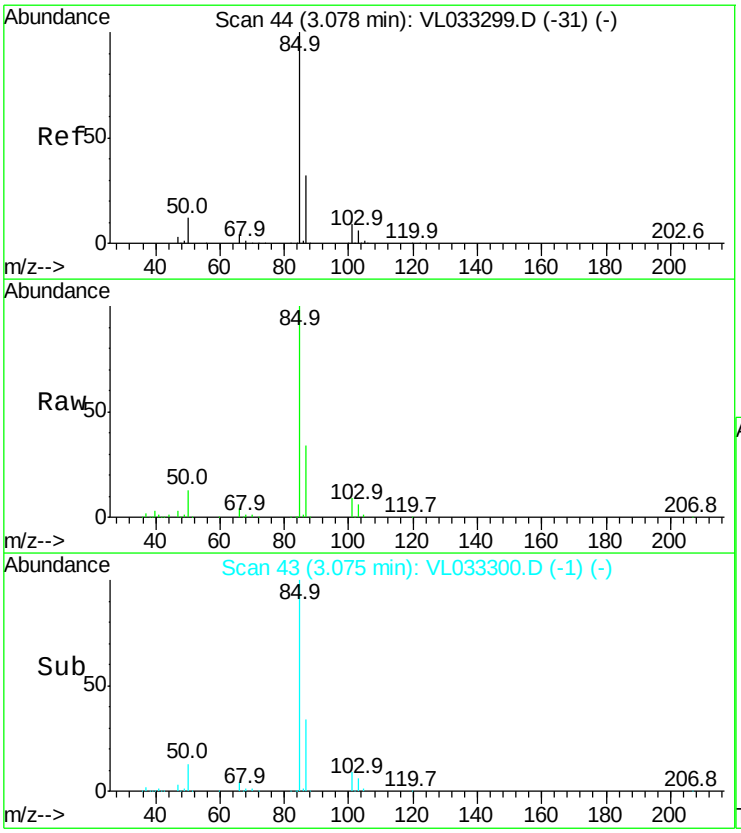
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 823068

Ion	Ratio	Lower	Upper
49	100		
128	47.3	23.4	70.3
130	60.7	29.9	89.7

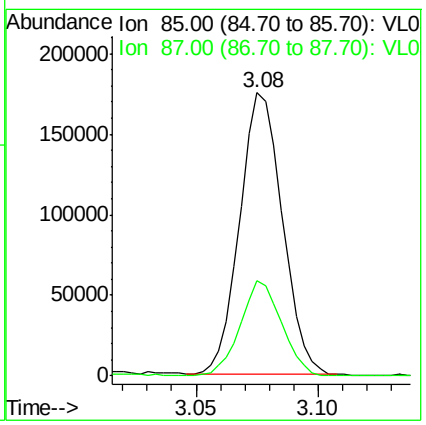


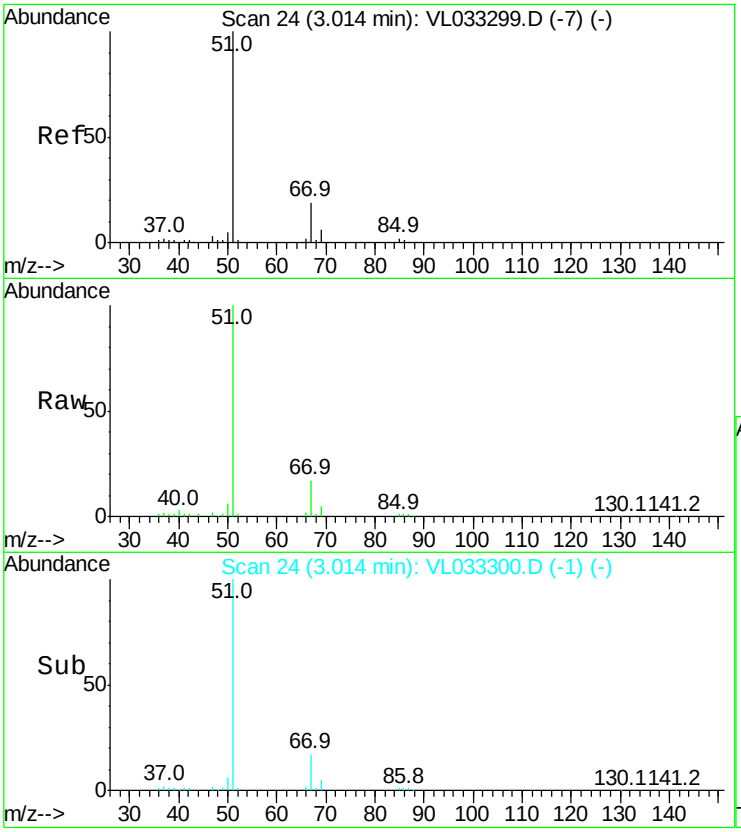


#2
Dichlorodifluoromethane
Concen: 1.280 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 85 Resp: 212828

Ion	Ratio	Lower	Upper
85	100		
87	33.6	25.8	38.8



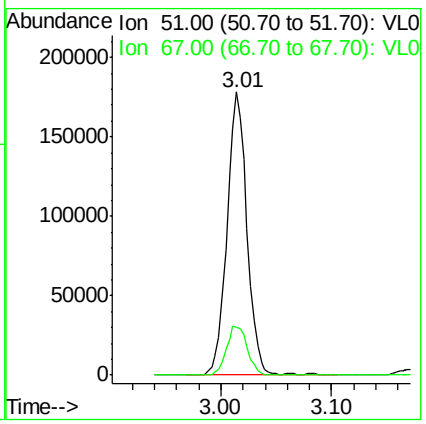


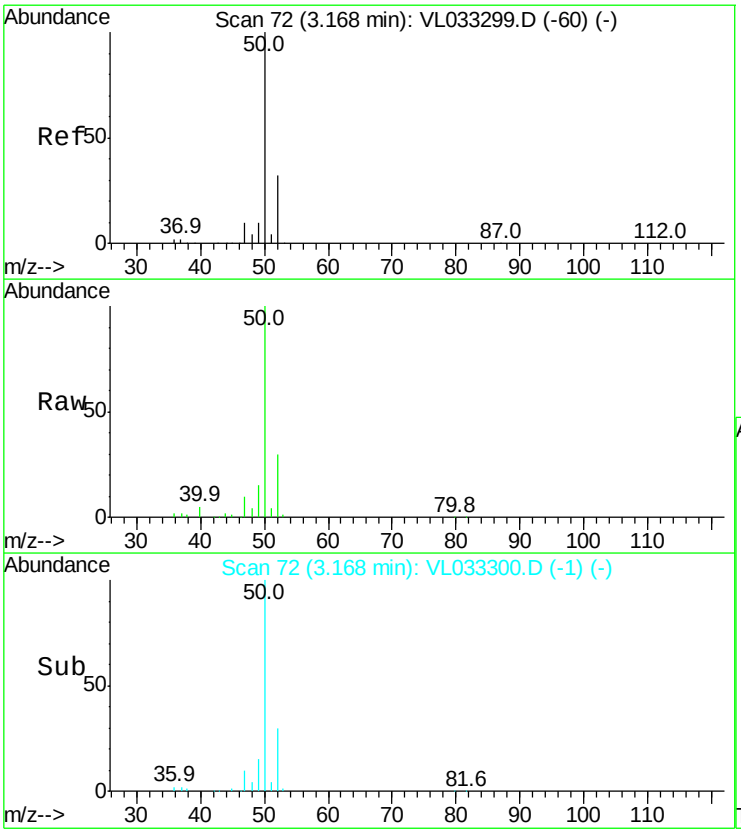
#3
Chlorodifluoromethane
Concen: 2.050 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 51 Resp: 223757

Ion	Ratio	Lower	Upper
51	100		
67	18.2	14.9	22.3

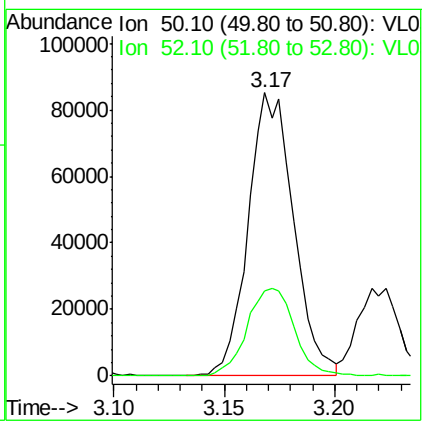


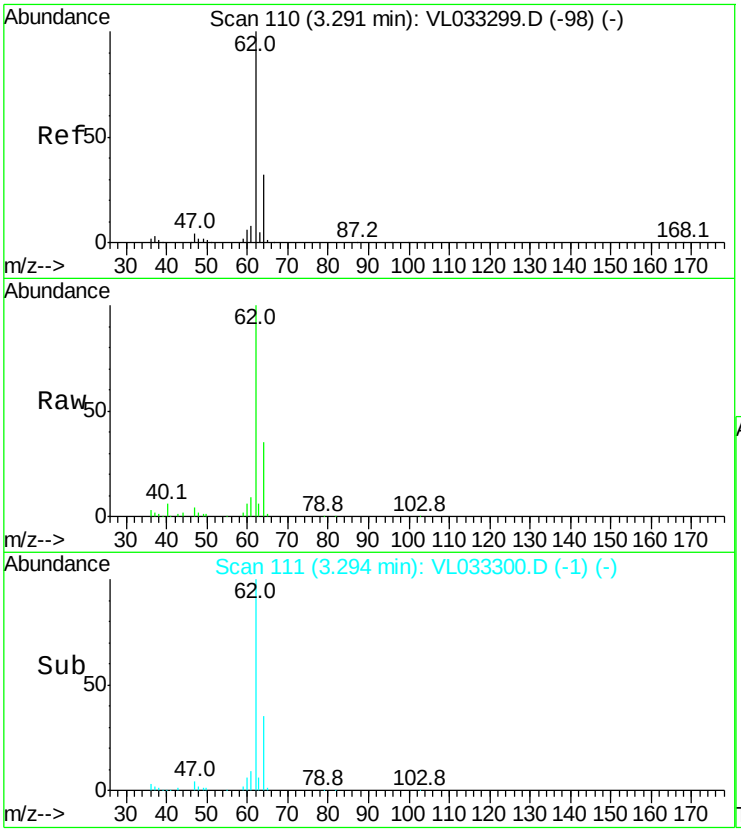


#4
Chloromethane
Concen: 2.081 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 50 Resp: 121468

Ion	Ratio	Lower	Upper
50	100		
52	30.2	25.7	38.5



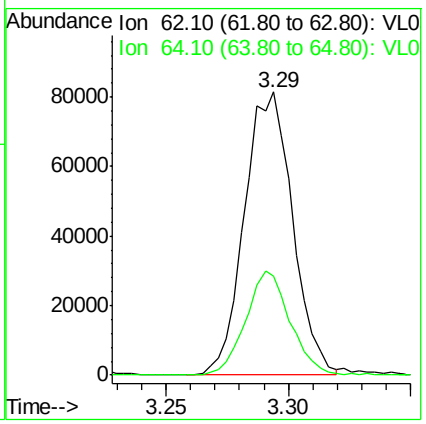


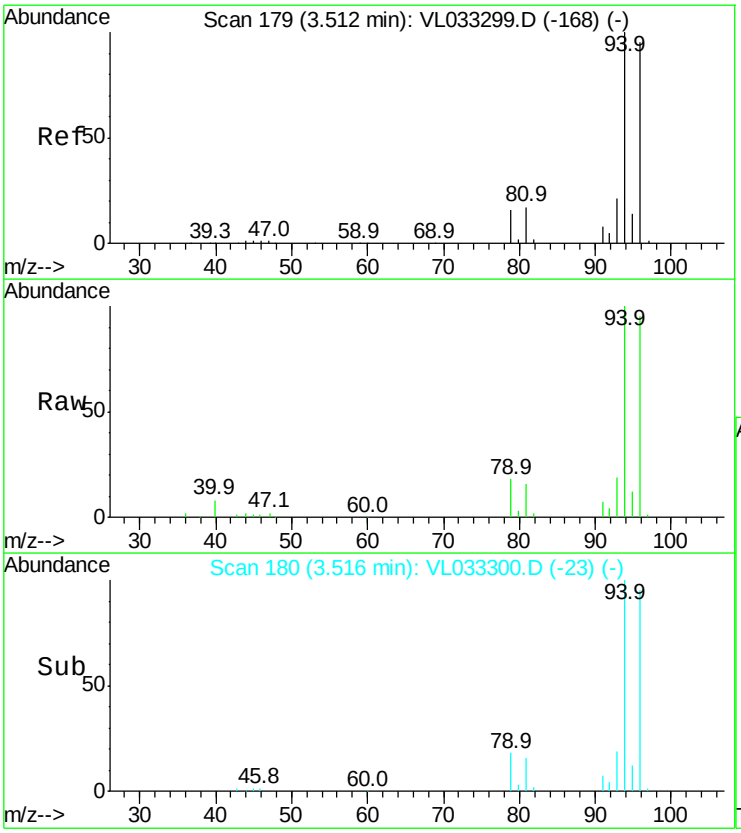
#5
Vinyl Chloride
Concen: 1.956 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 111482

Ion	Ratio	Lower	Upper
62	100		
64	34.9	25.5	38.3

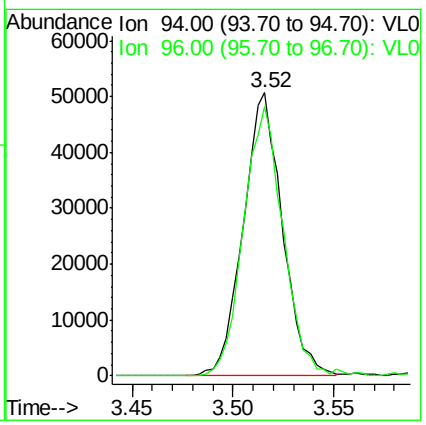


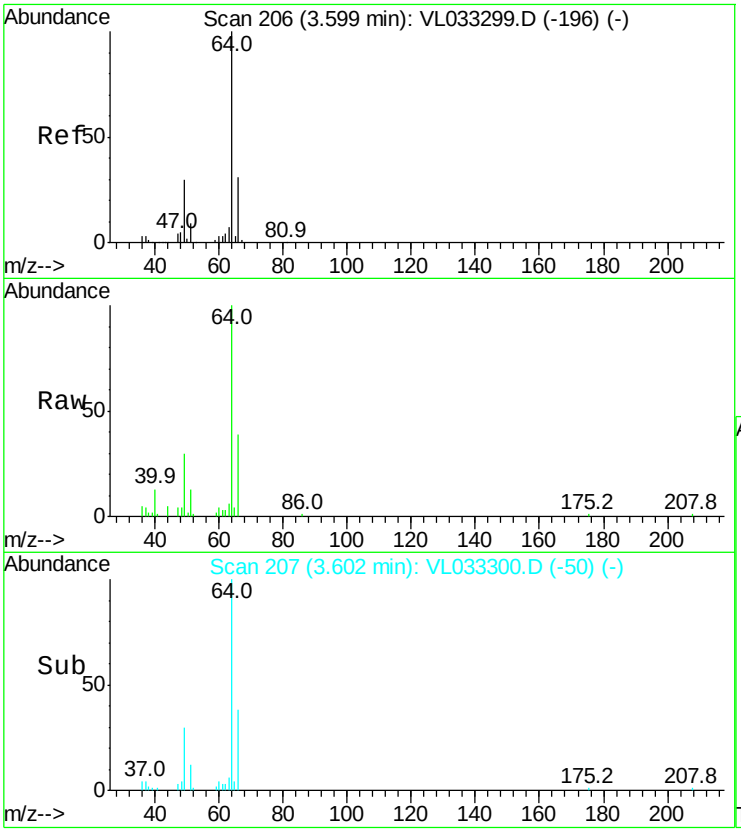


#6
Bromomethane
Concen: 1.987 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 94 Resp: 69181

Ion	Ratio	Lower	Upper
94	100		
96	95.0	76.2	114.4



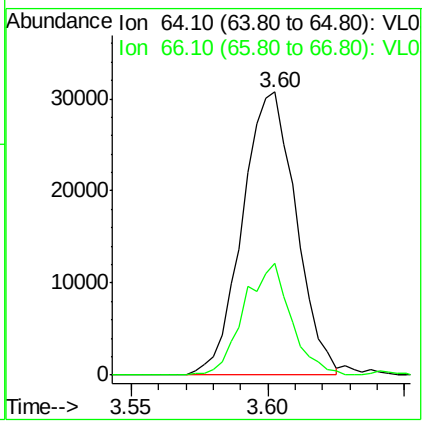


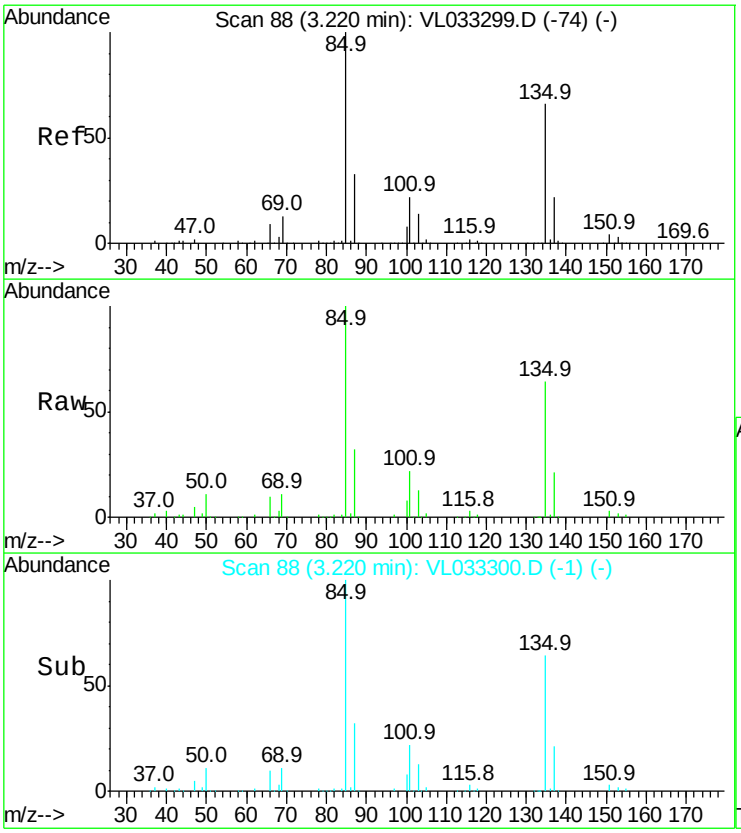
#7
Chloroethane
Concen: 2.029 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 41817

Ion	Ratio	Lower	Upper
64	100		
66	37.9	24.9	37.3#

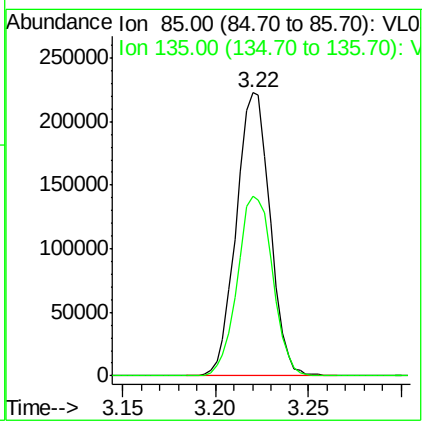


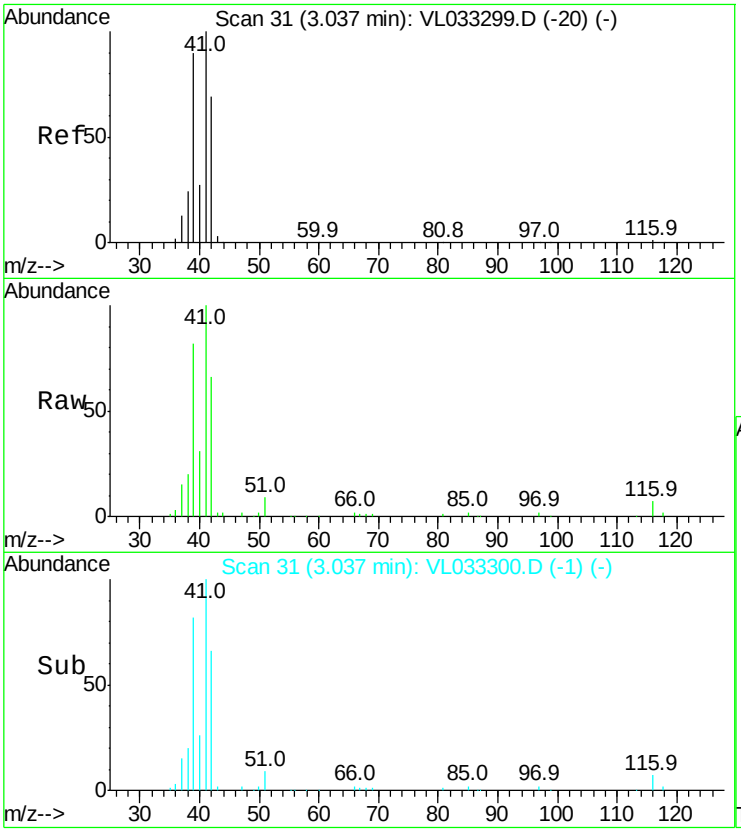


#8
Dichlorotetrafluoroethane
Concen: 2.008 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 85 Resp: 282208

Ion	Ratio	Lower	Upper
85	100		
135	66.2	52.9	79.3



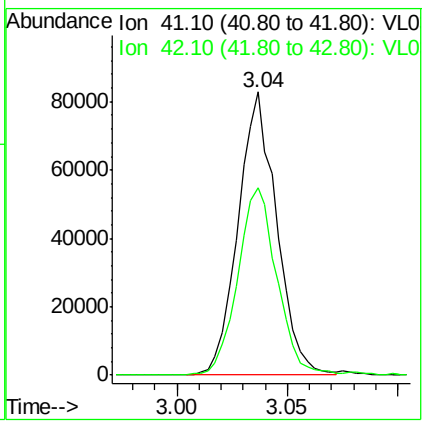


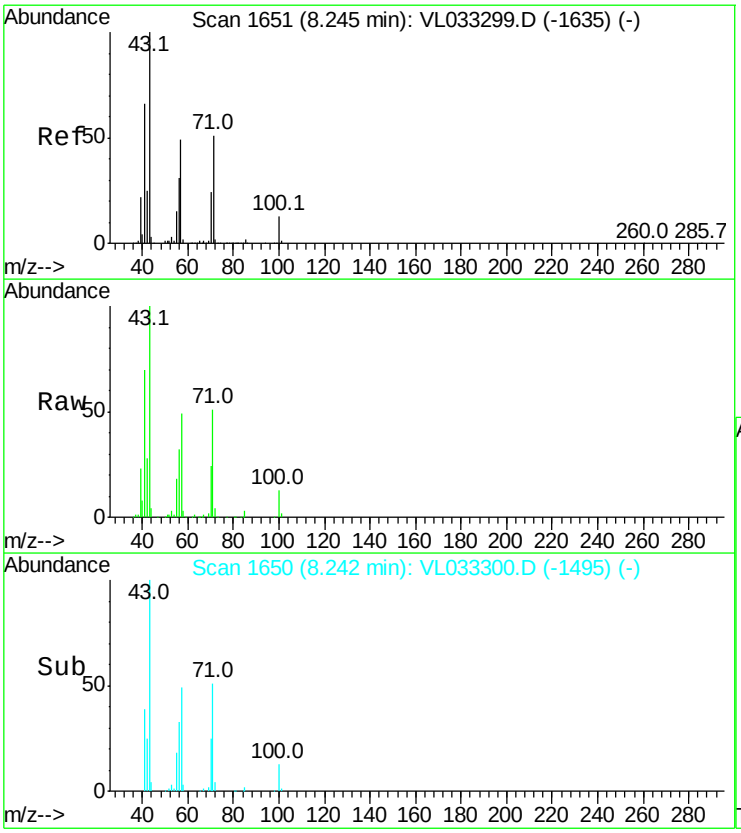
#9
Propene
Concen: 2.023 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 100684

Ion	Ratio	Lower	Upper
41	100		
42	67.8	54.4	81.6

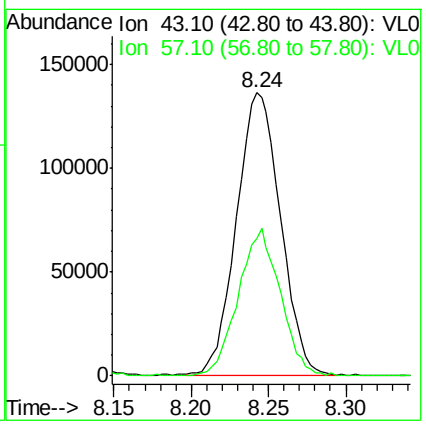


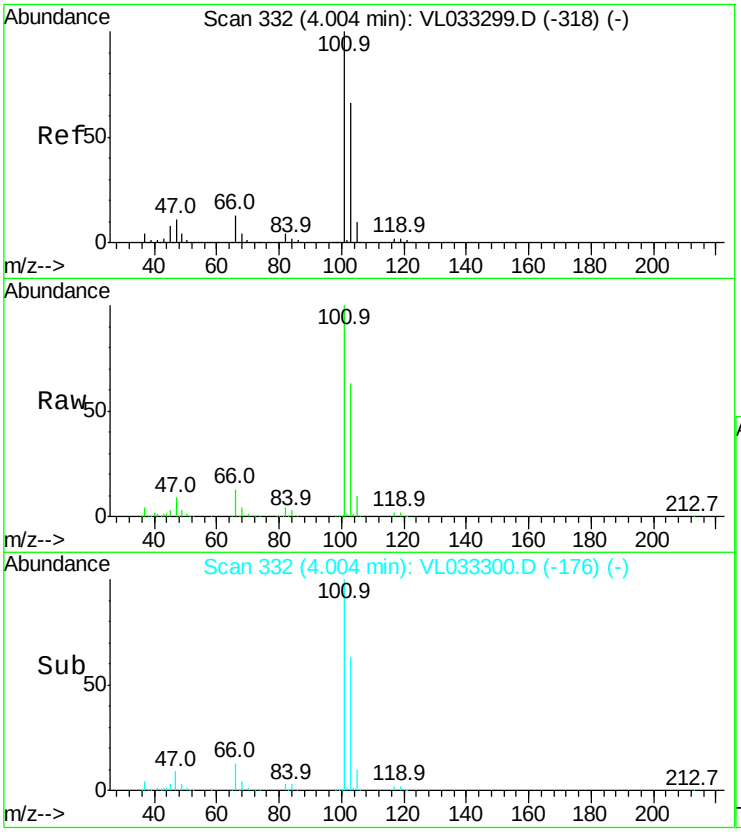


#10
Heptane
Concen: 2.394 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 43 Resp: 268349

Ion	Ratio	Lower	Upper
43	100		
57	50.2	39.6	59.4



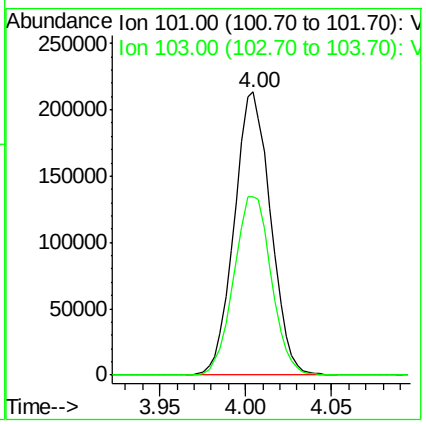


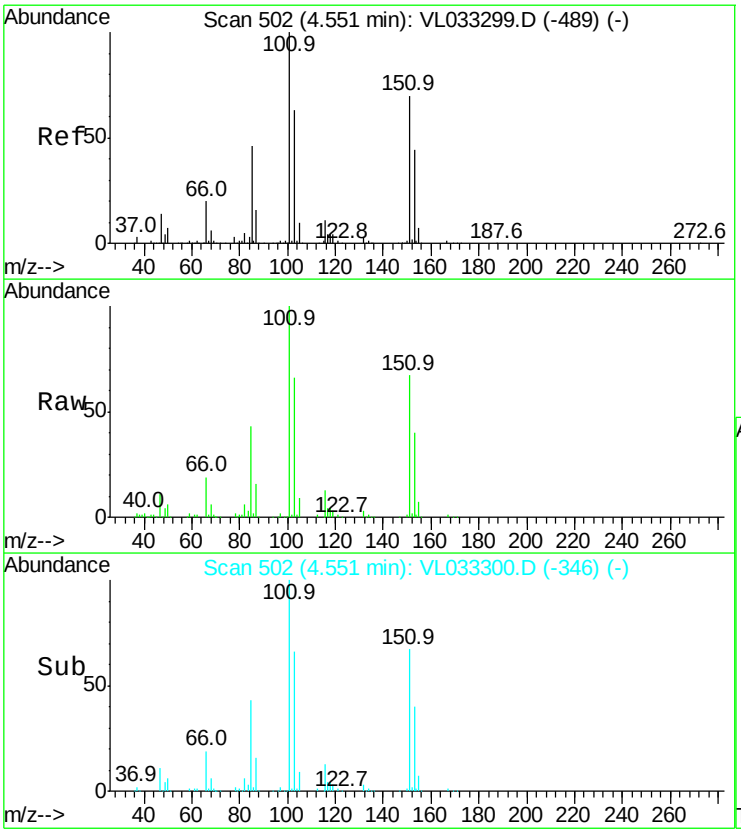
#11
Trichlorofluoromethane
Concen: 1.905 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 313415

Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.5	78.7

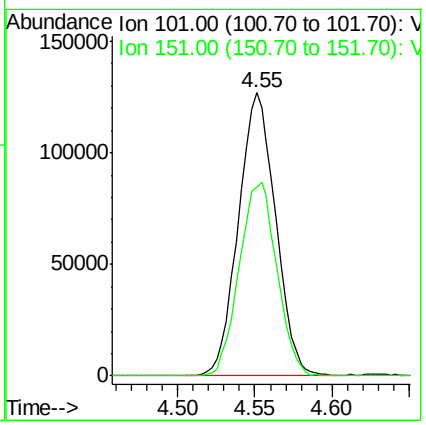


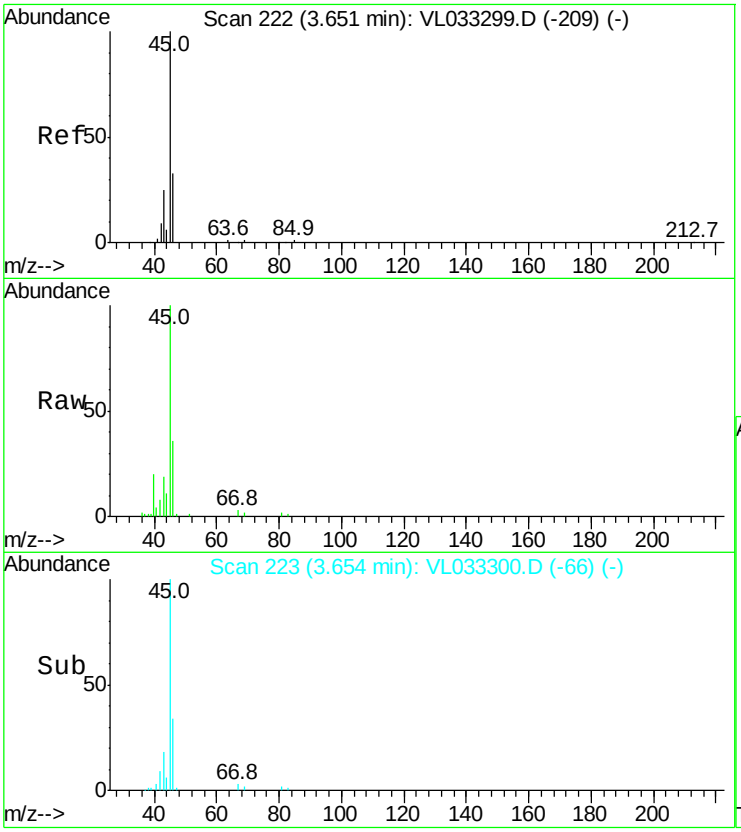


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.253 ppbv
RT: 4.55 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:101 Resp: 212114

Ion	Ratio	Lower	Upper
101	100		
151	69.4	57.2	85.8



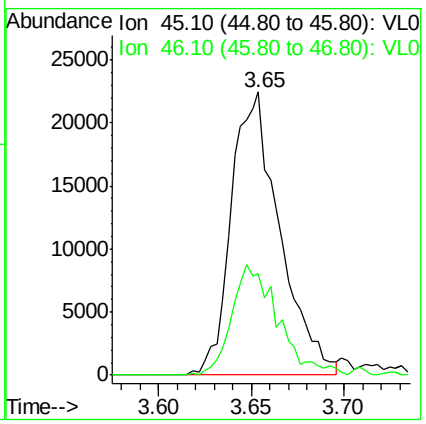


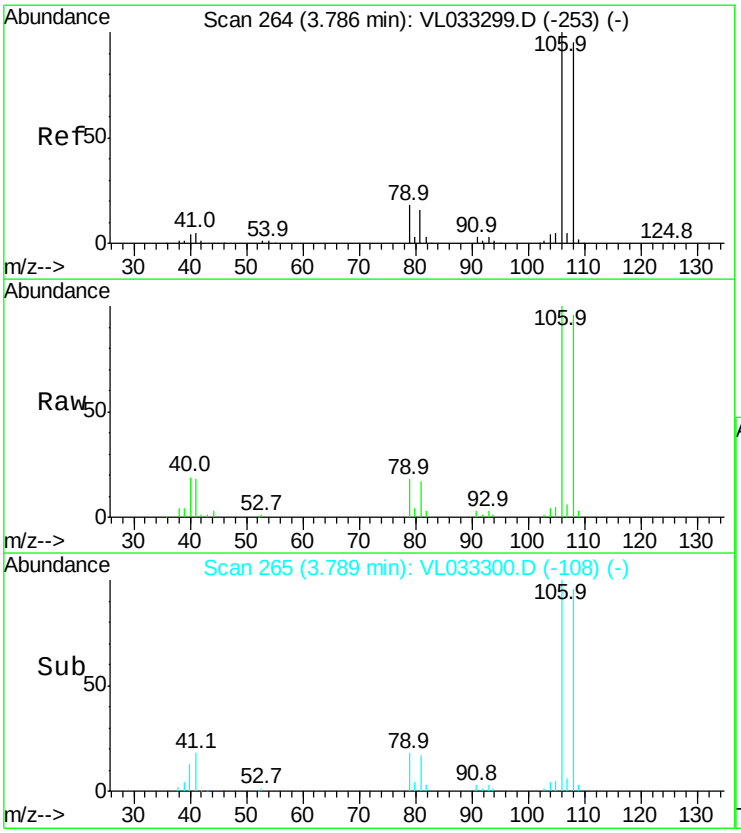
#13
Ethanol
Concen: 2.684 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 40754

Ion	Ratio	Lower	Upper
45	100		
46	37.9	14.9	59.5

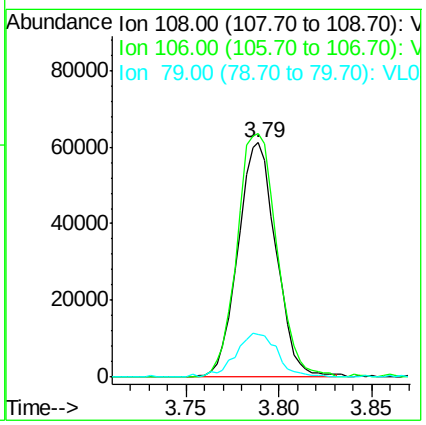


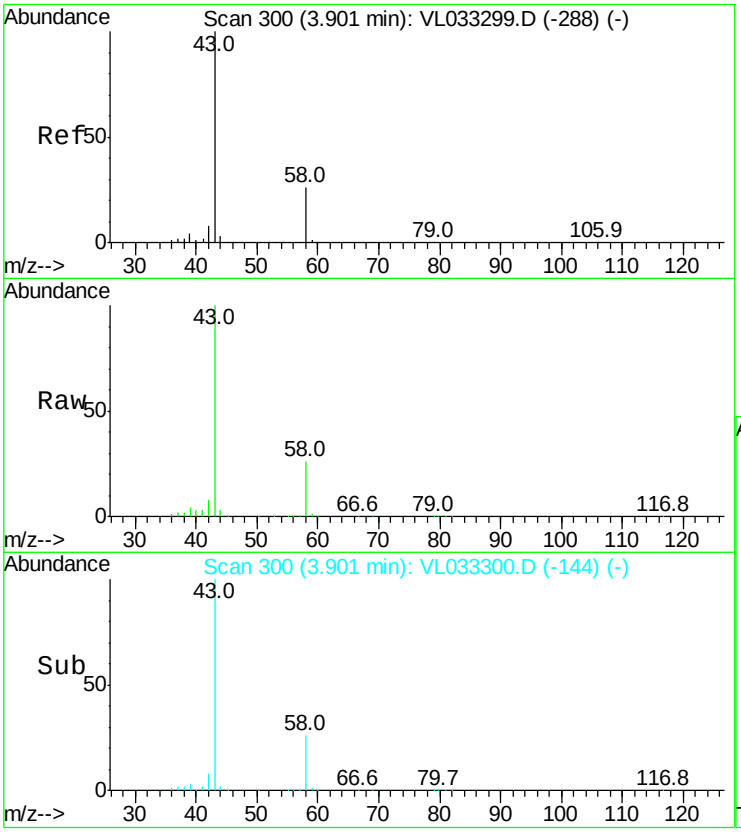


#14
Bromoethene
Concen: 1.994 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:108 Resp: 87573

Ion	Ratio	Lower	Upper
108	100		
106	108.9	85.1	127.7
79	21.2	15.0	22.6



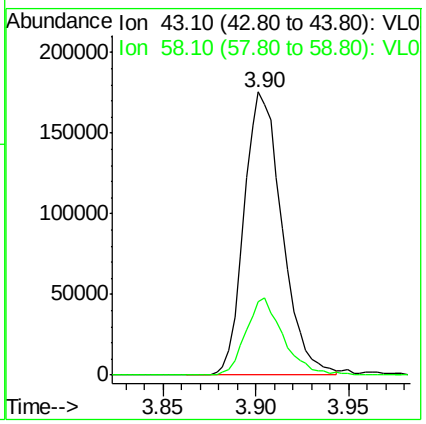


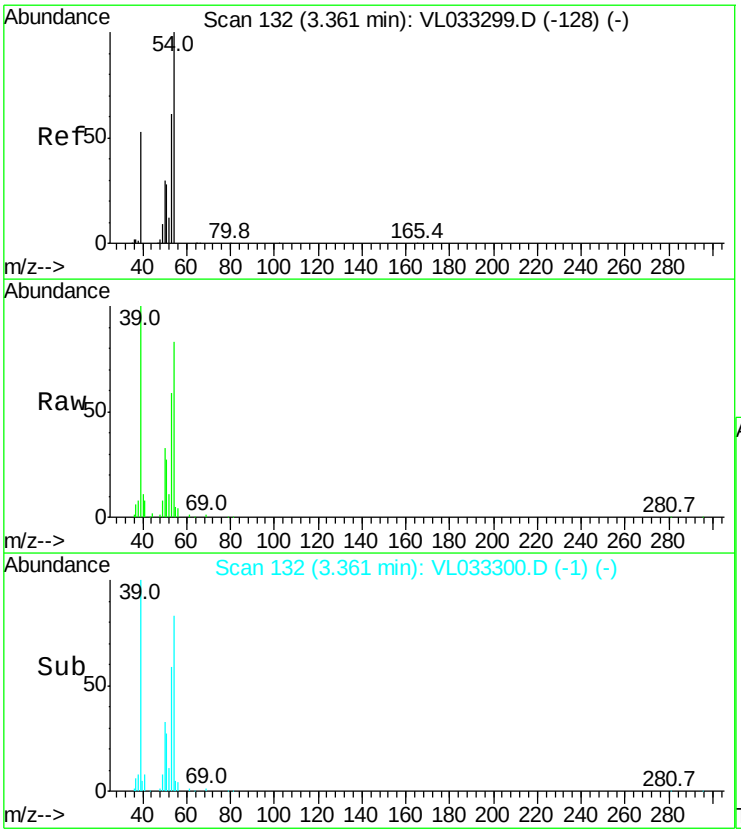
#15
Acetone
Concen: 1.989 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 251140

Ion	Ratio	Lower	Upper
43	100		
58	27.3	20.6	31.0

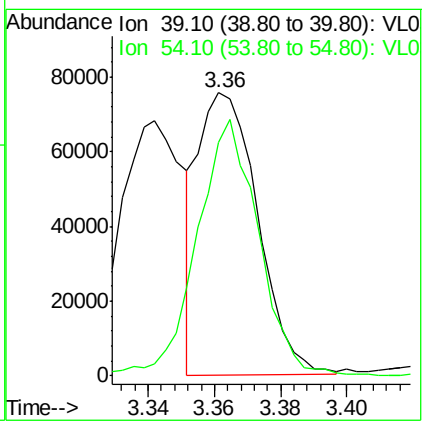


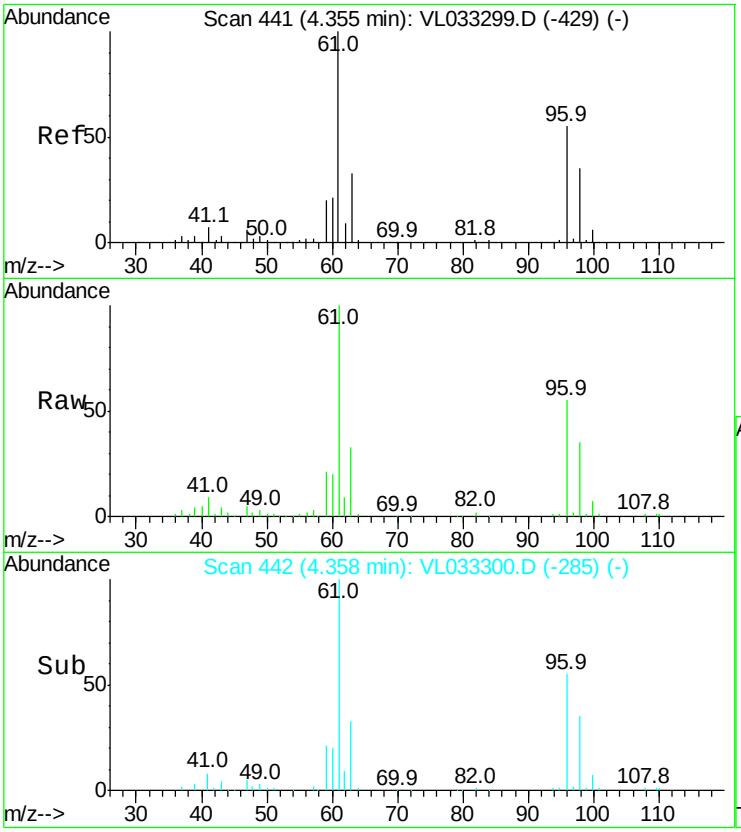


#16
1,3-Butadiene
Concen: 2.057 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 39 Resp: 93765

Ion	Ratio	Lower	Upper
39	100		
54	94.5	68.4	102.6



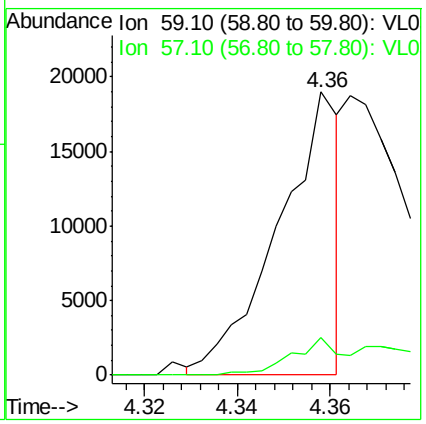


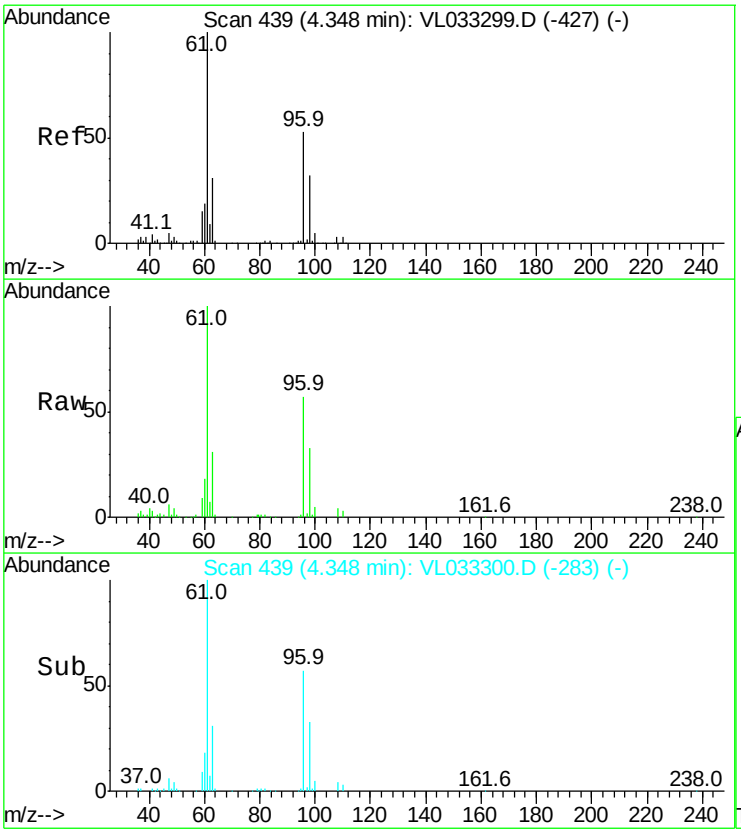
#17
tert-Butyl alcohol
Concen: 1.017 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 17234

Ion	Ratio	Lower	Upper
59	100		
57	24.6	7.4	11.2#

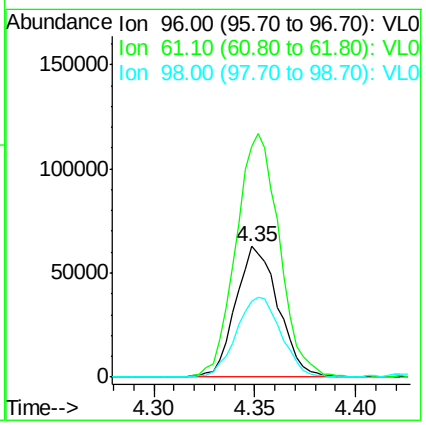


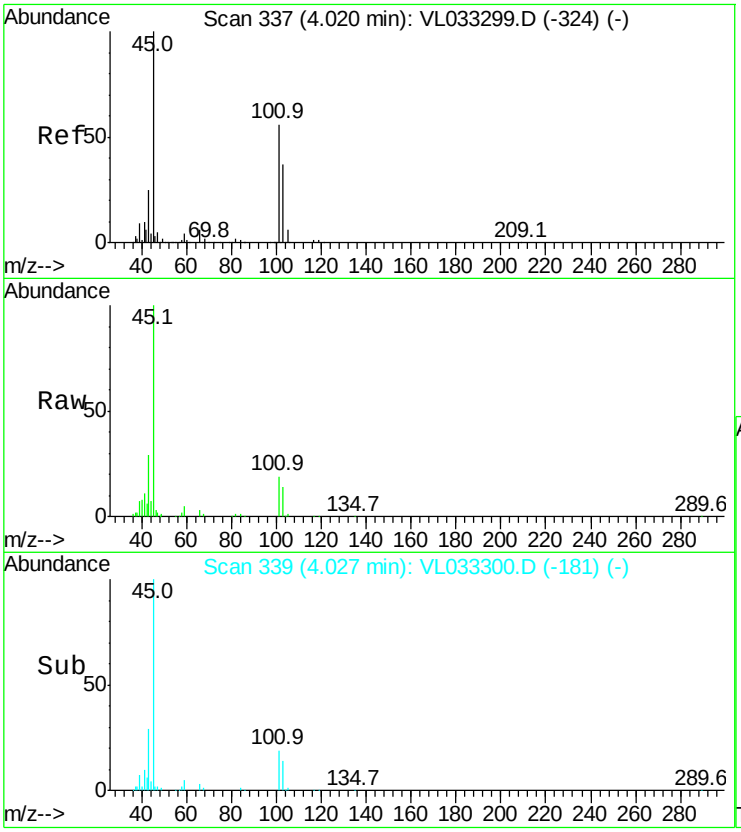


#18
1,1-Dichloroethene
Concen: 2.241 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 96 Resp: 93391

Ion	Ratio	Lower	Upper
96	100		
61	176.1	152.3	228.5
98	57.7	48.6	72.8



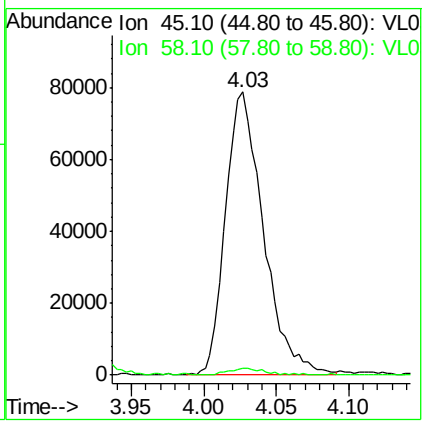


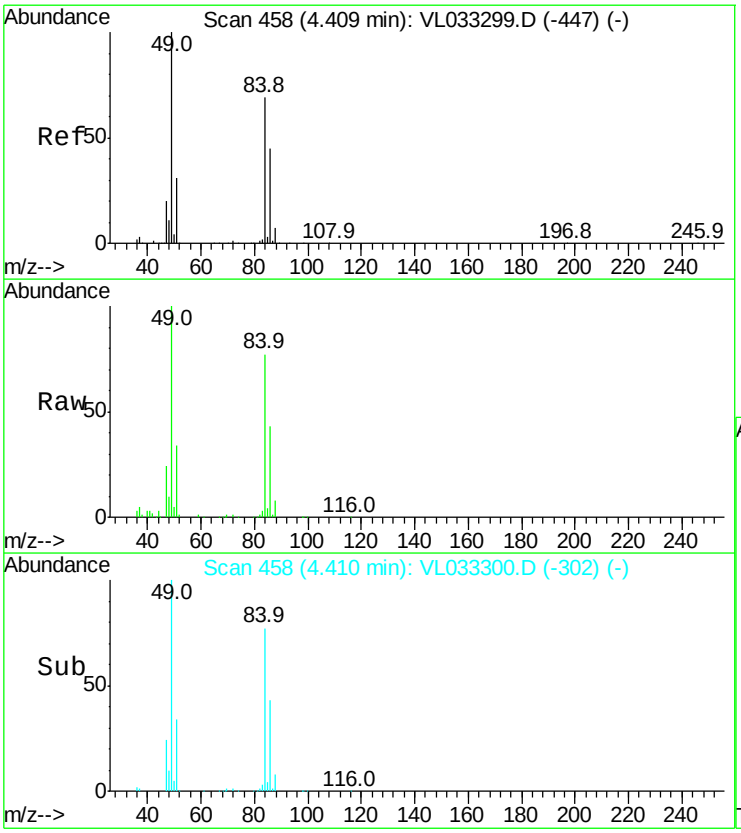
#19
Isopropyl Alcohol
Concen: 1.878 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 143306

Ion	Ratio	Lower	Upper
45	100		
58	2.5	1.4	2.0#

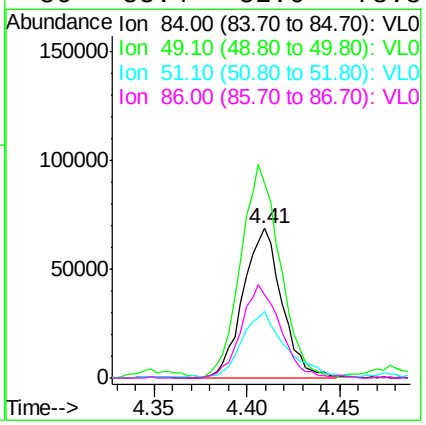


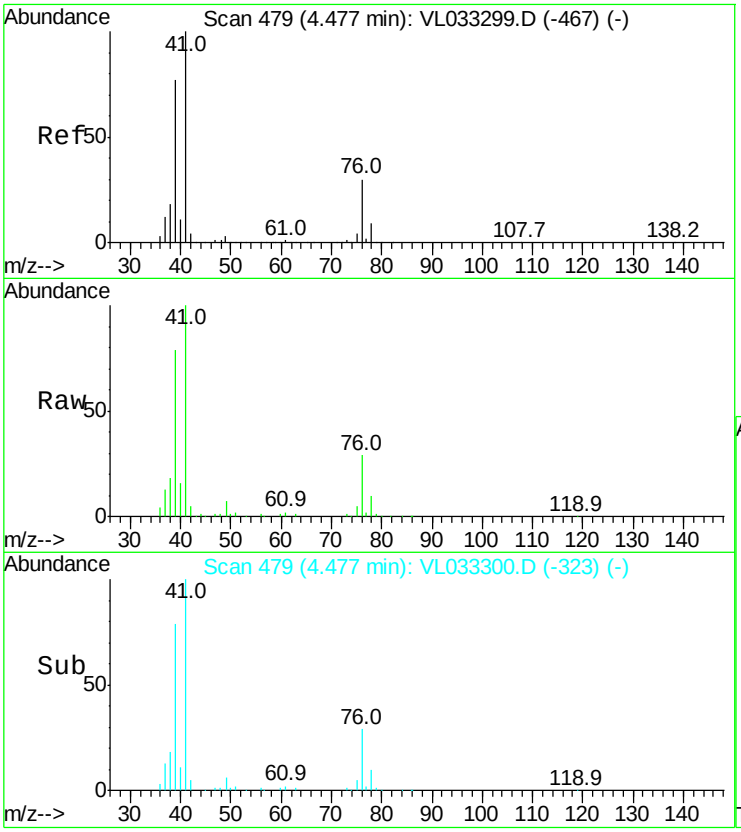


#20
Methylene Chloride
Concen: 2.386 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 84 Resp: 100147

Ion	Ratio	Lower	Upper
84	100		
49	129.0	115.4	173.2
51	43.8	35.7	53.5
86	55.4	52.6	78.8



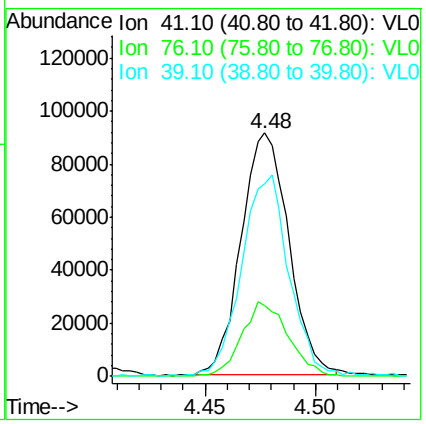


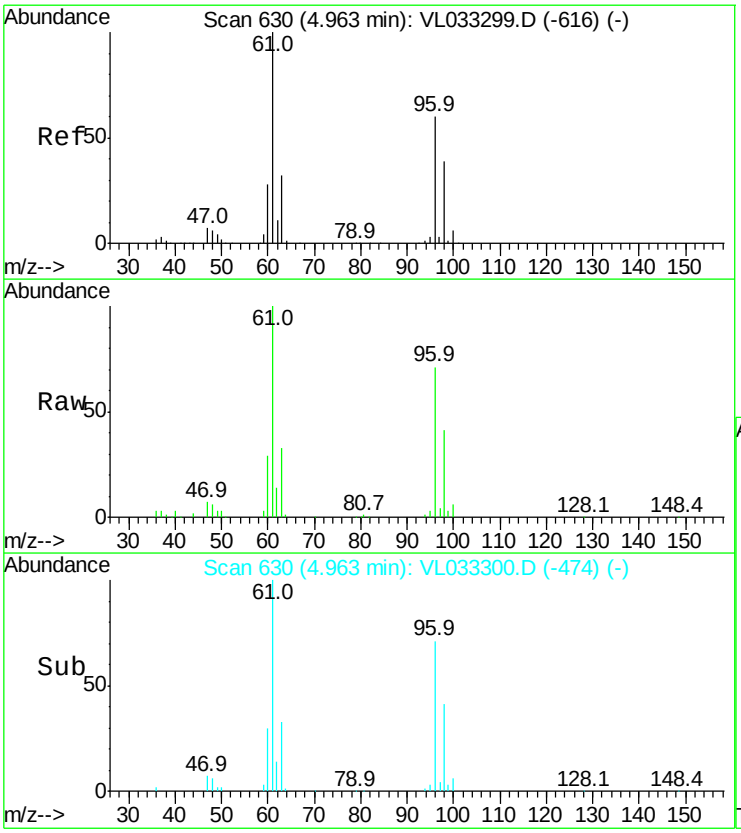
#21
Allyl Chloride
Concen: 2.177 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 136614

Ion	Ratio	Lower	Upper
41	100		
76	29.9	24.3	36.5
39	84.1	64.4	96.6

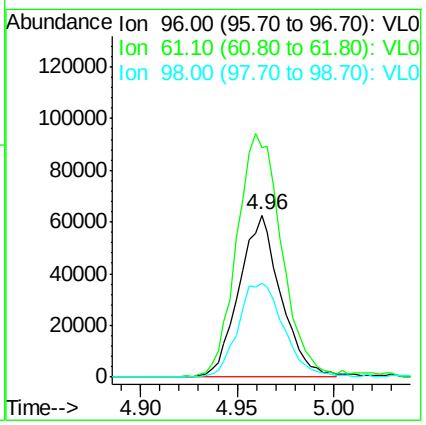


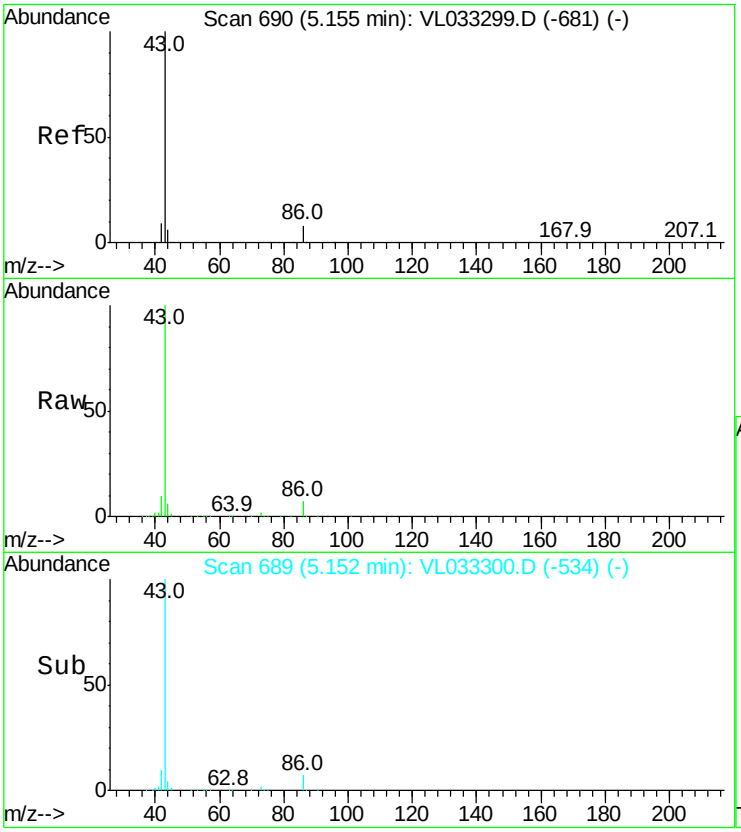


#22
trans-1,2-Dichloroethene
Concen: 2.124 ppbv
RT: 4.96 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 96 Resp: 94435

Ion	Ratio	Lower	Upper
96	100		
61	141.2	132.7	199.1
98	57.7	52.4	78.6



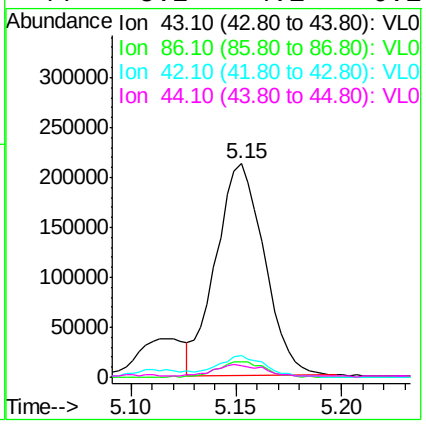


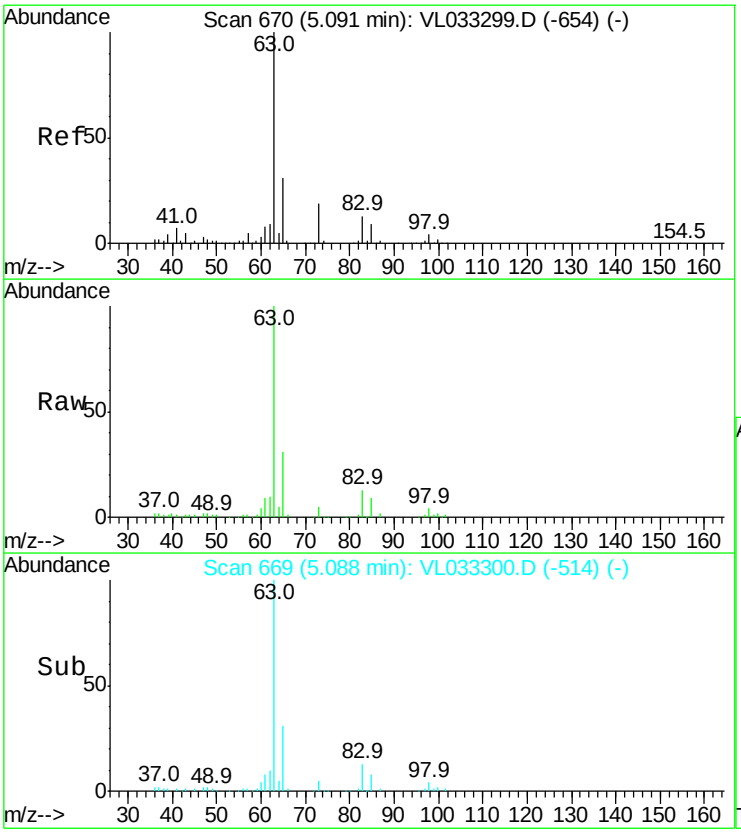
#23
Vinyl Acetate
Concen: 2.133 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 337439

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.8	8.8
42	10.1	7.8	11.8
44	5.2	4.1	6.1

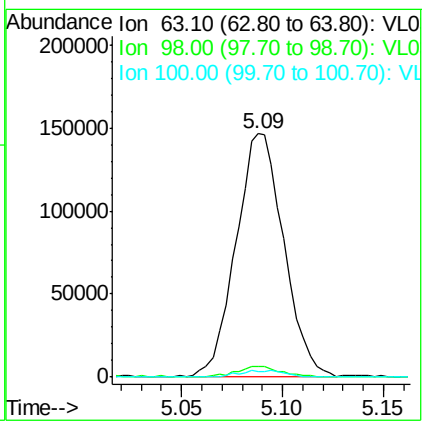


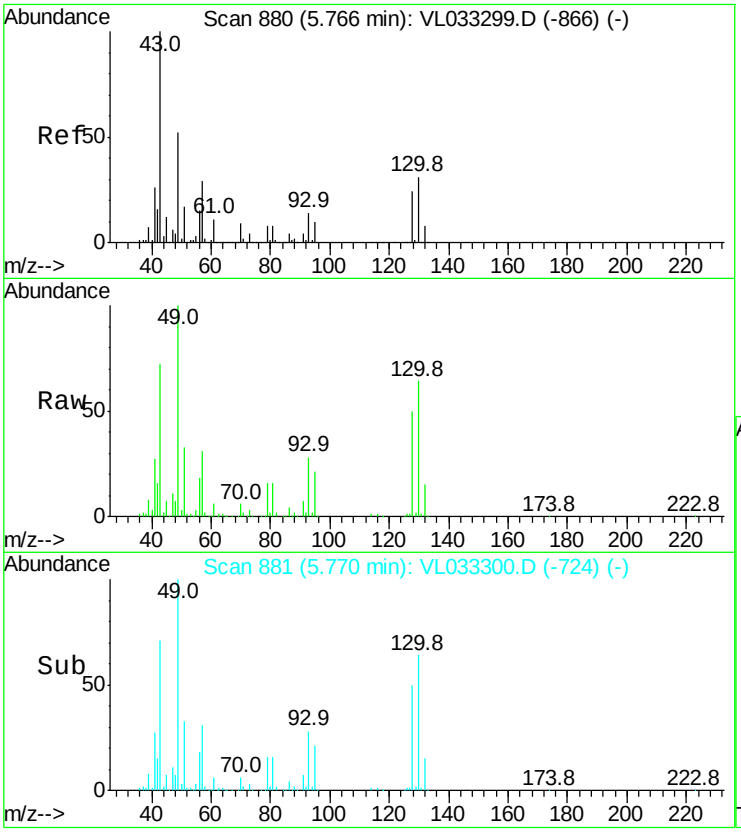


#24
1,1-Dichloroethane
Concen: 2.117 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 63 Resp: 242864

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.3	6.8
100	2.7	1.3	3.8



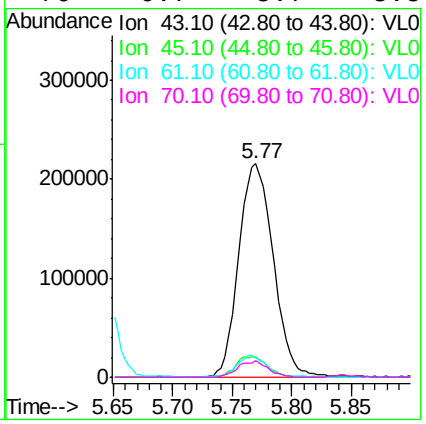


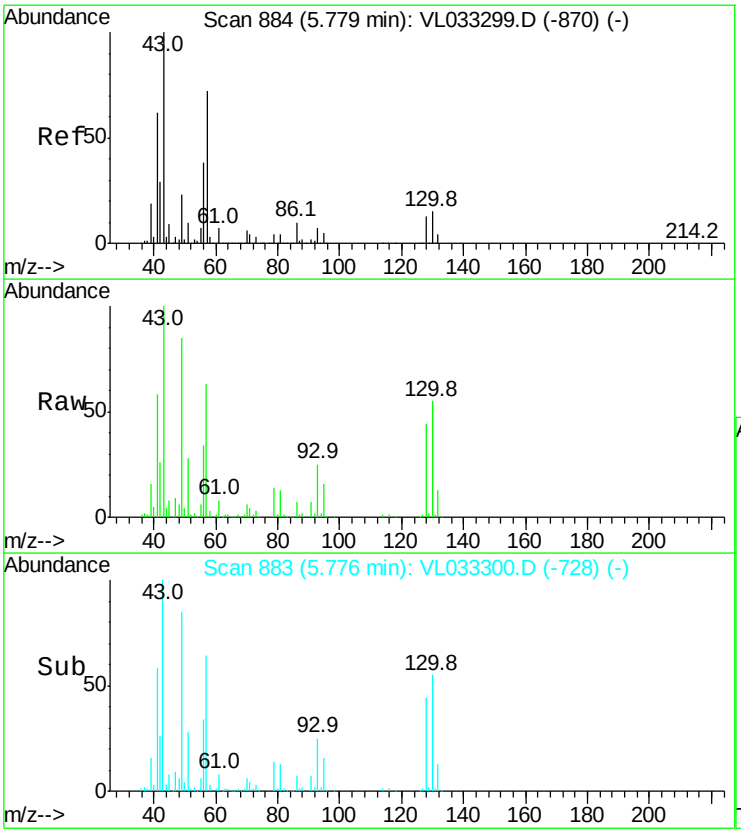
#25
Ethyl Acetate
Concen: 2.233 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 434377

Ion	Ratio	Lower	Upper
43	100		
45	9.1	8.0	12.0
61	9.0	7.5	11.3
70	6.7	5.7	8.5

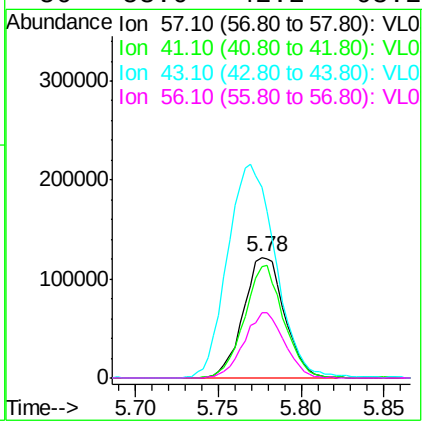


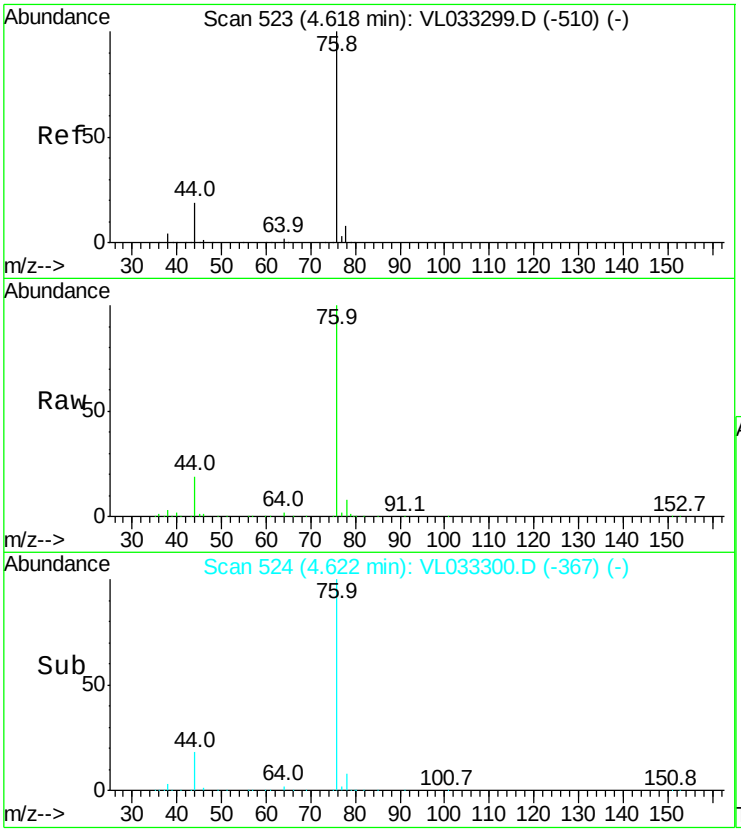


#26
Hexane
Concen: 2.306 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 57 Resp: 210602

Ion	Ratio	Lower	Upper
57	100		
41	88.6	71.6	107.4
43	206.1	179.2	268.8
56	53.0	42.2	63.2



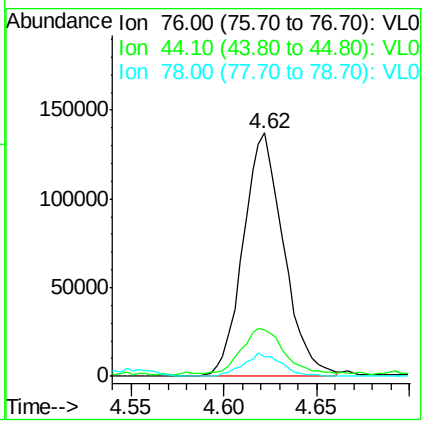


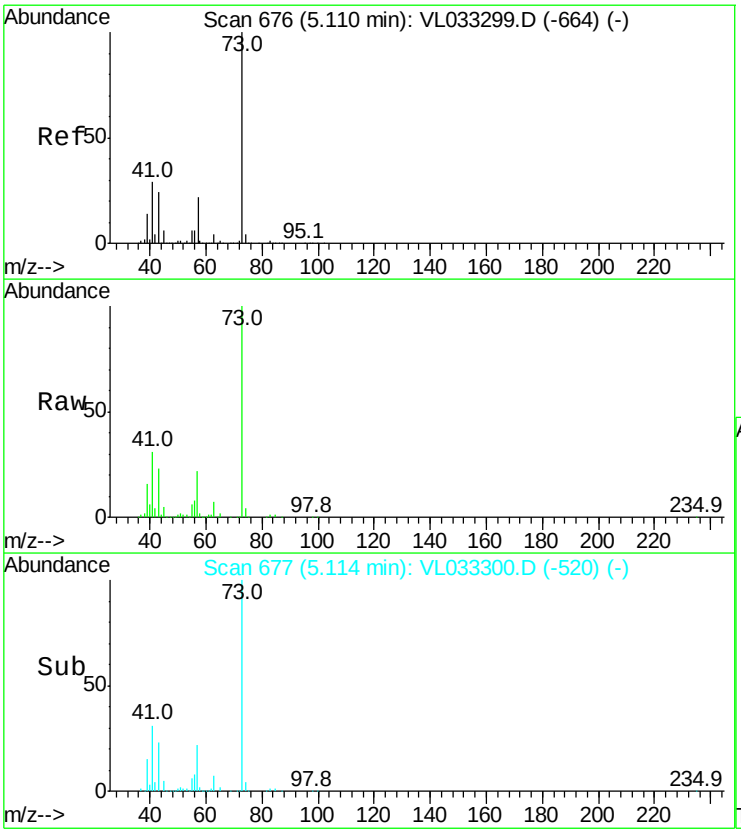
#27
Carbon Disulfide
Concen: 2.146 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 207939

Ion	Ratio	Lower	Upper
76	100		
44	19.4	14.7	22.1
78	9.2	7.3	10.9

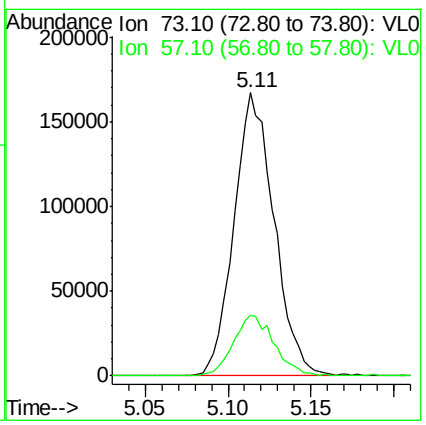


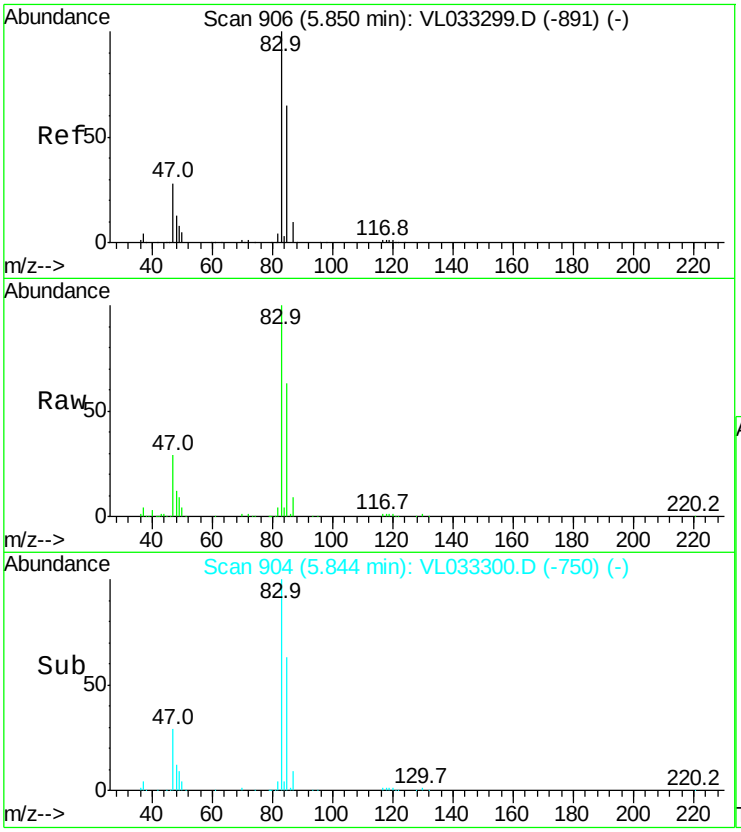


#28
Methyl tert-Butyl Ether
Concen: 2.167 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 73 Resp: 280835

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0



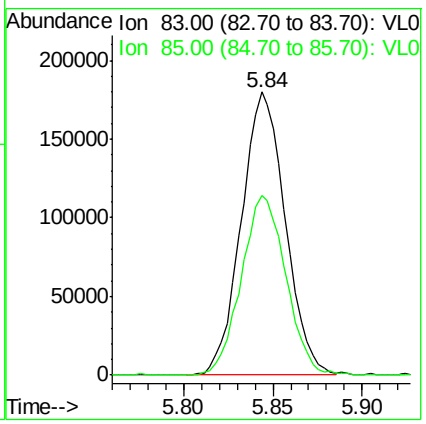


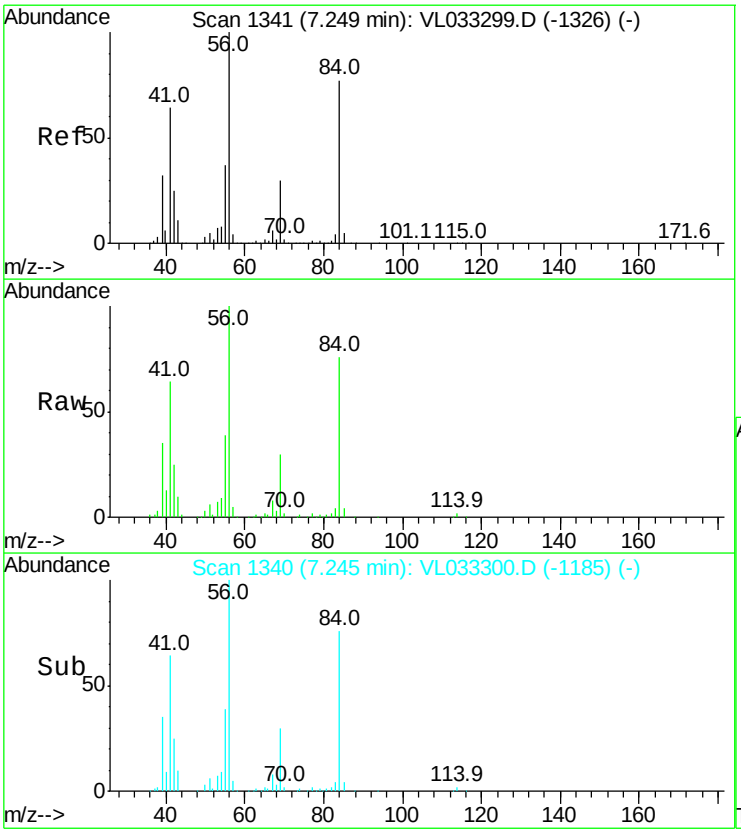
#29
Chloroform
Concen: 2.225 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 309130

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.4

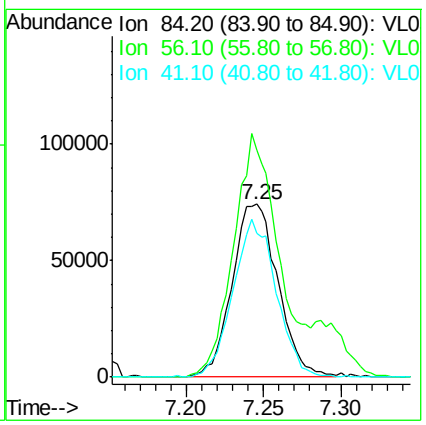


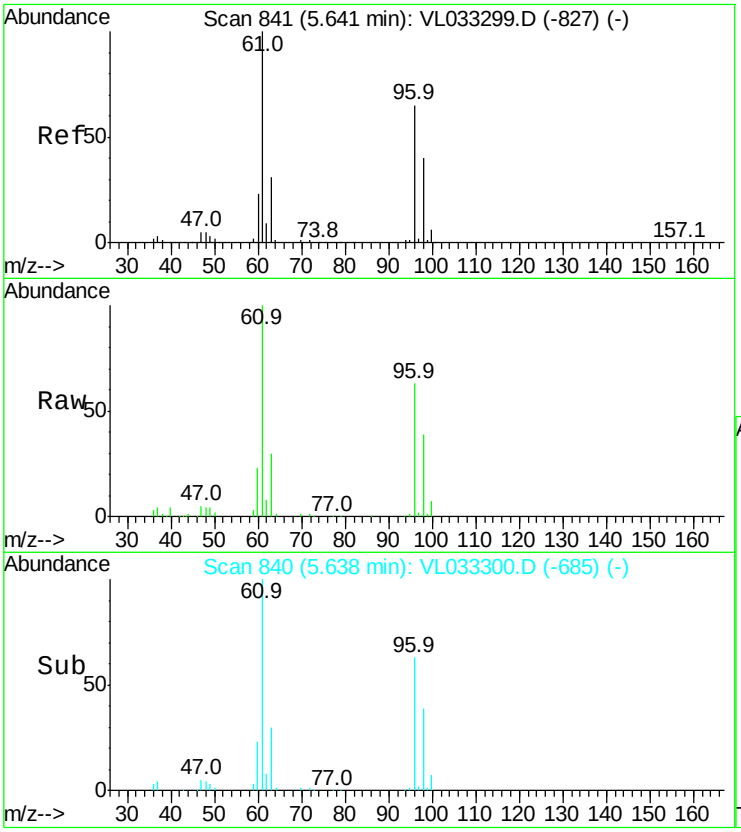


#30
Cyclohexane
Concen: 2.163 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 84 Resp: 153107

Ion	Ratio	Lower	Upper
84	100		
56	160.8	109.8	164.8
41	86.3	68.1	102.1



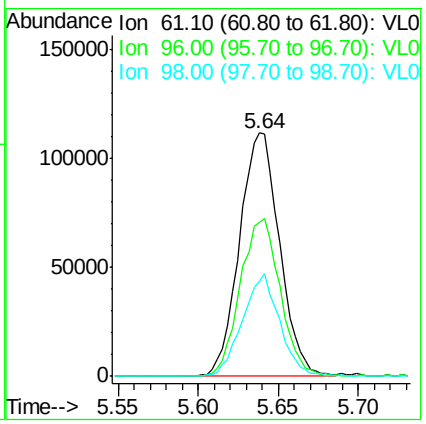


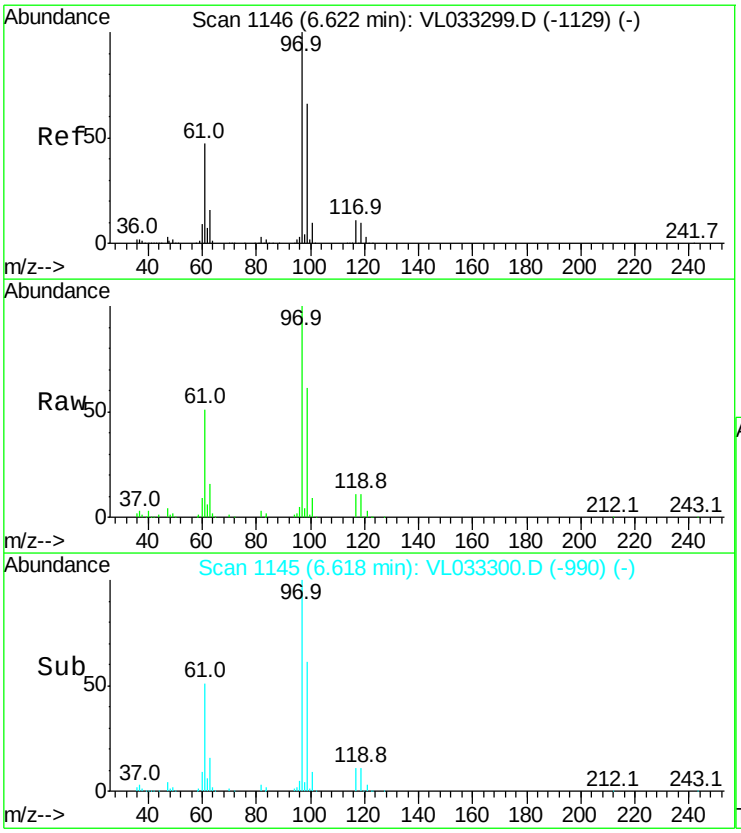
#31
cis-1,2-Dichloroethene
Concen: 2.186 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 61 Resp: 191368

Ion	Ratio	Lower	Upper
61	100		
96	63.1	51.8	77.6
98	39.2	32.3	48.5

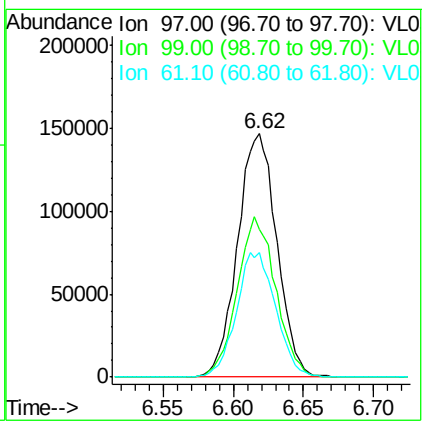


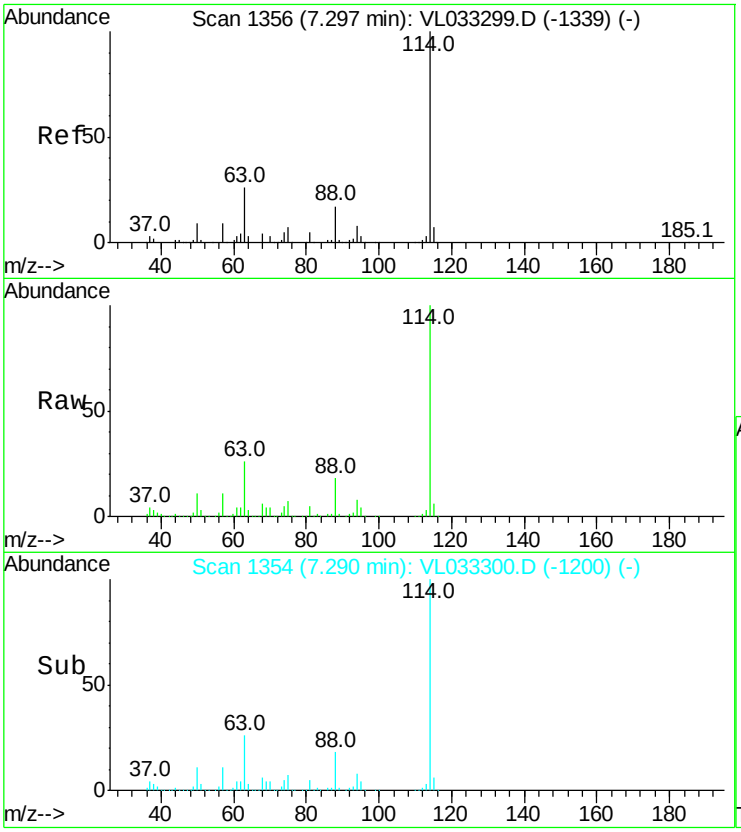


#32
1,1,1-Trichloroethane
Concen: 2.115 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 97 Resp: 286349

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	51.5	39.4	59.2



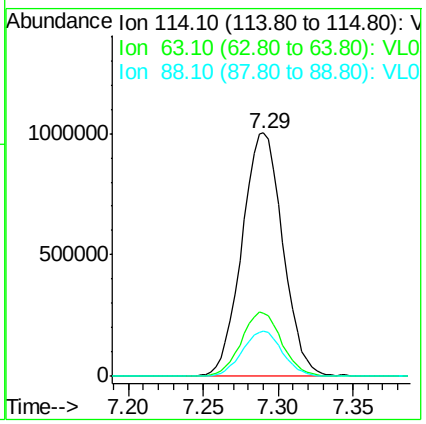


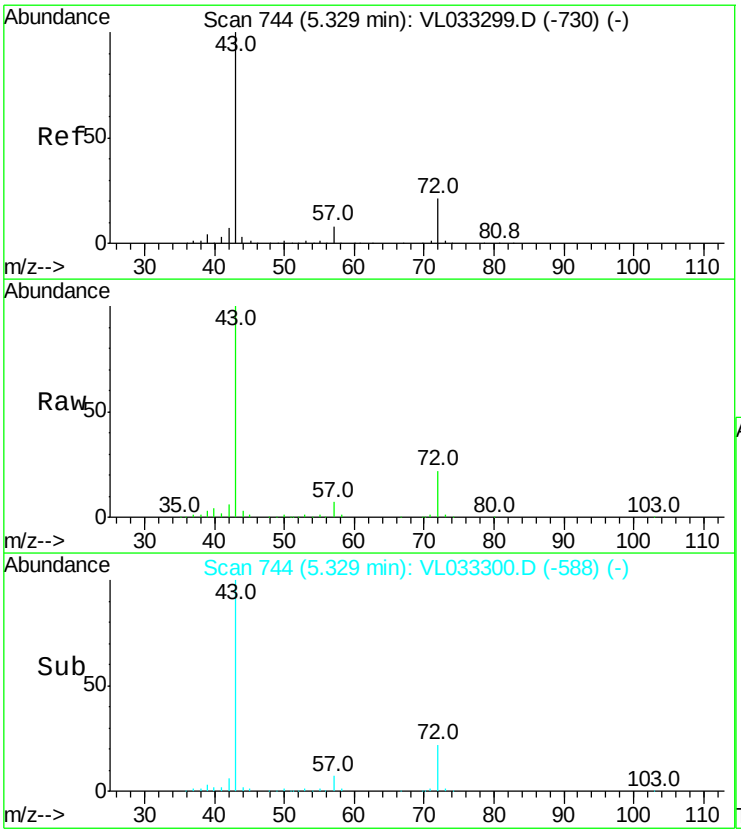
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:114 Resp: 1904676

Ion	Ratio	Lower	Upper
114	100		
63	26.1	21.3	31.9
88	18.2	14.5	21.7

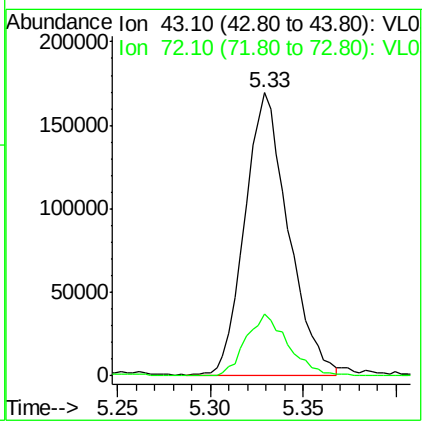


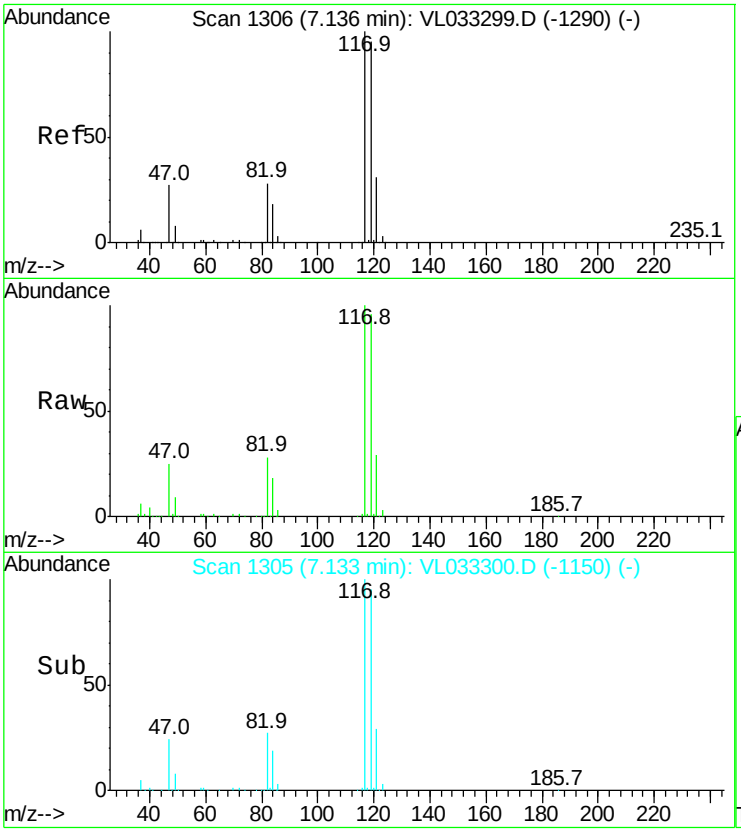


#34
2-Butanone
Concen: 2.192 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 43 Resp: 276065

Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.2	25.8



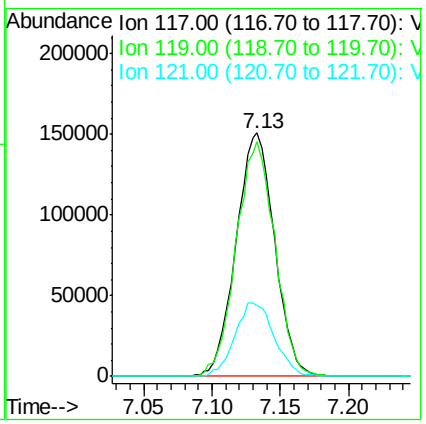


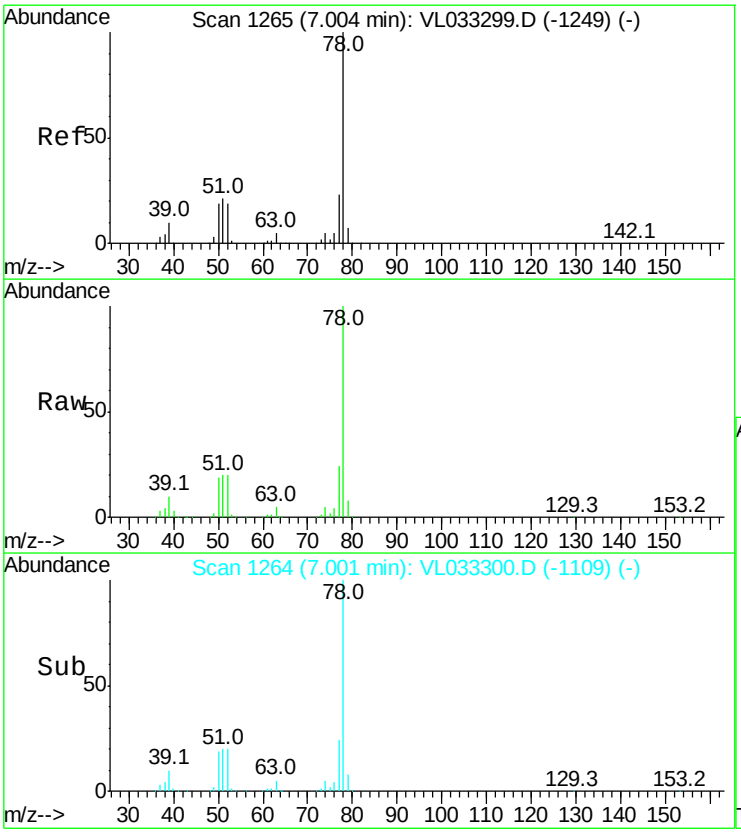
#35
Carbon Tetrachloride
Concen: 2.122 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 295371

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.9	113.9
121	29.5	25.2	37.8

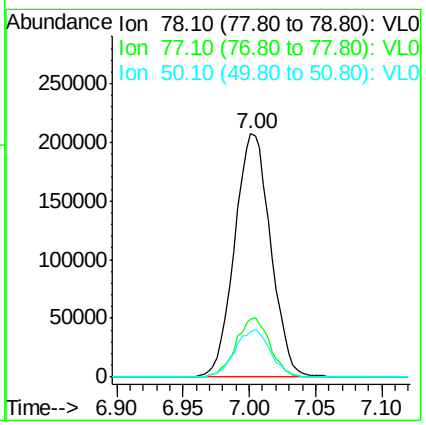


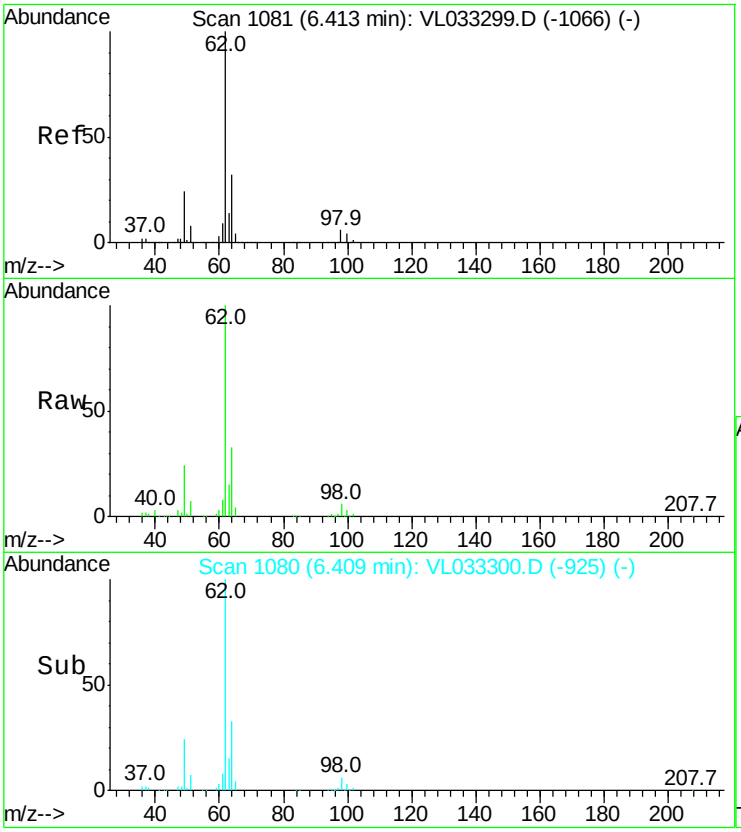


#36
Benzene
Concen: 2.231 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 78 Resp: 391925

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0
50	18.7	15.2	22.8



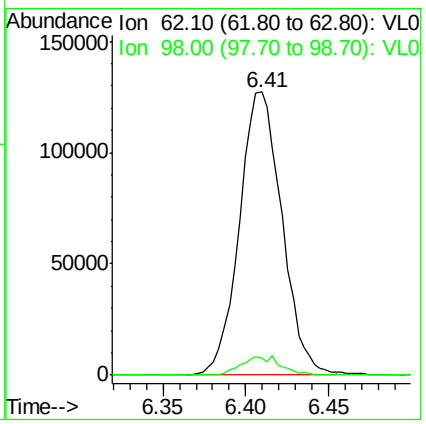


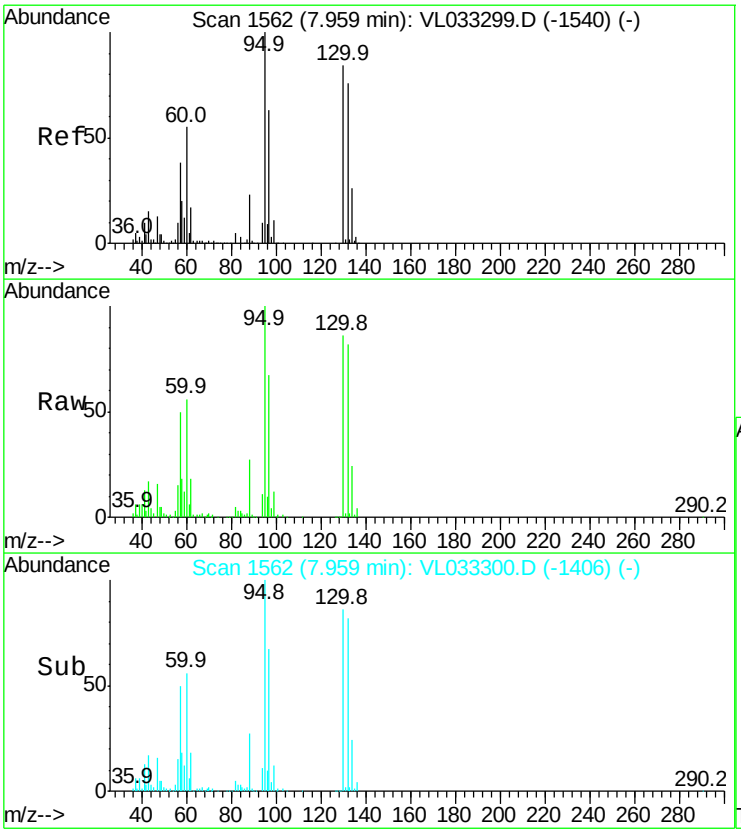
#37
1,2-Dichloroethane
Concen: 2.152 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 226707

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.4	6.6

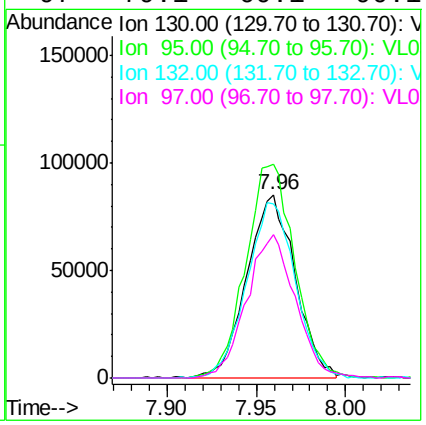


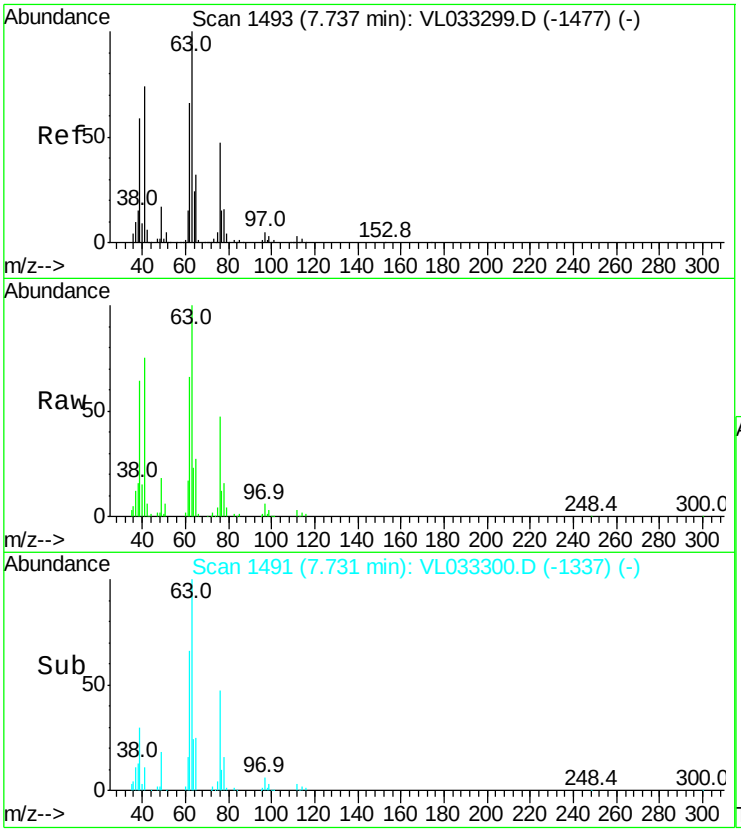


#38
Trichloroethene
Concen: 2.328 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:130 Resp: 159436

Ion	Ratio	Lower	Upper
130	100		
95	118.2	95.2	142.8
132	96.2	72.5	108.7
97	79.1	60.1	90.1



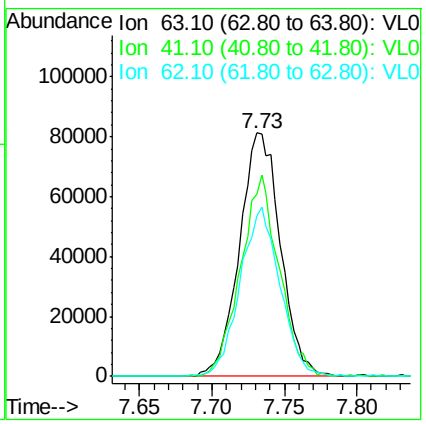


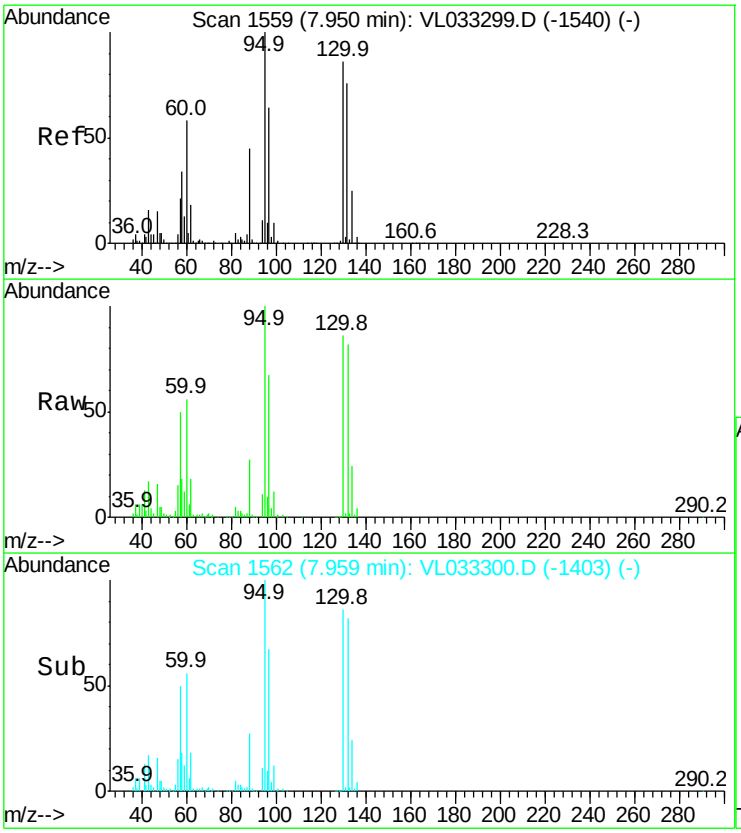
#39
1,2-Dichloropropane
Concen: 2.412 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 159440

Ion	Ratio	Lower	Upper
63	100		
41	75.0	59.0	88.4
62	66.1	53.0	79.4

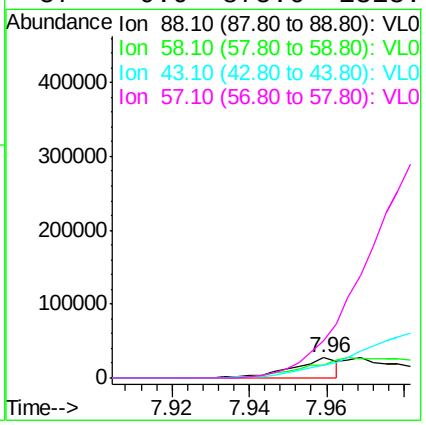


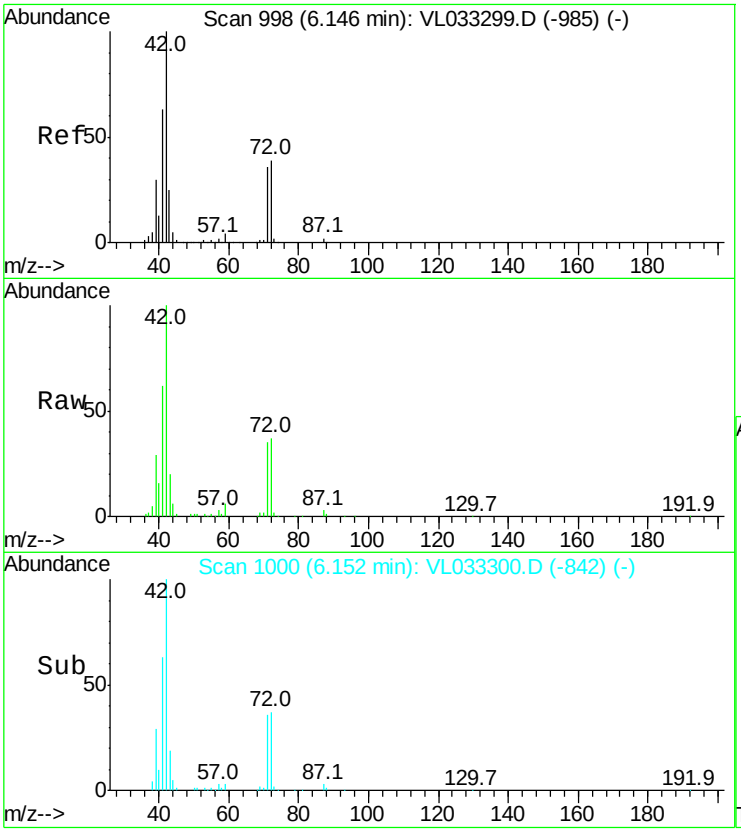


#40
1,4-Dioxane
Concen: 0.895 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 88 Resp: 22271

Ion	Ratio	Lower	Upper
88	100		
58	0.0	97.7	146.5#
43	0.0	199.4	299.2#
57	0.0	875.6	1313.4#



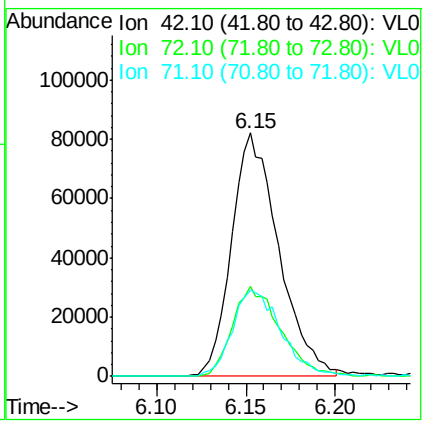


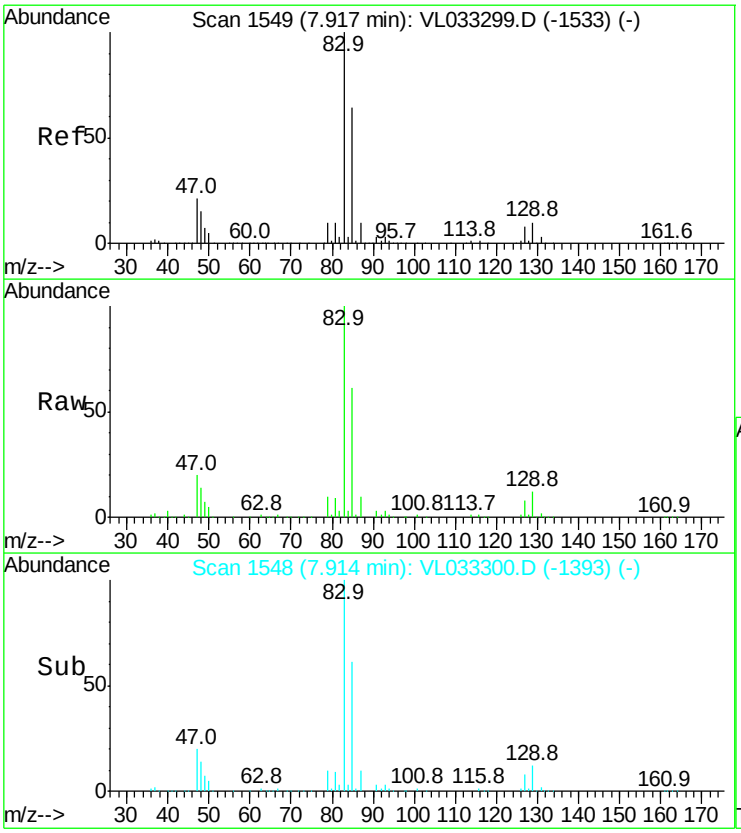
#41
Tetrahydrofuran
Concen: 2.165 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 151396

Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.8	46.2
71	37.0	30.0	45.0

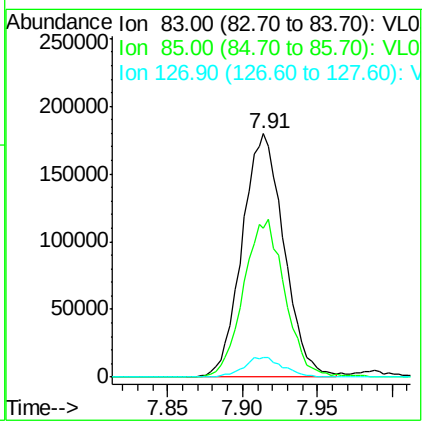


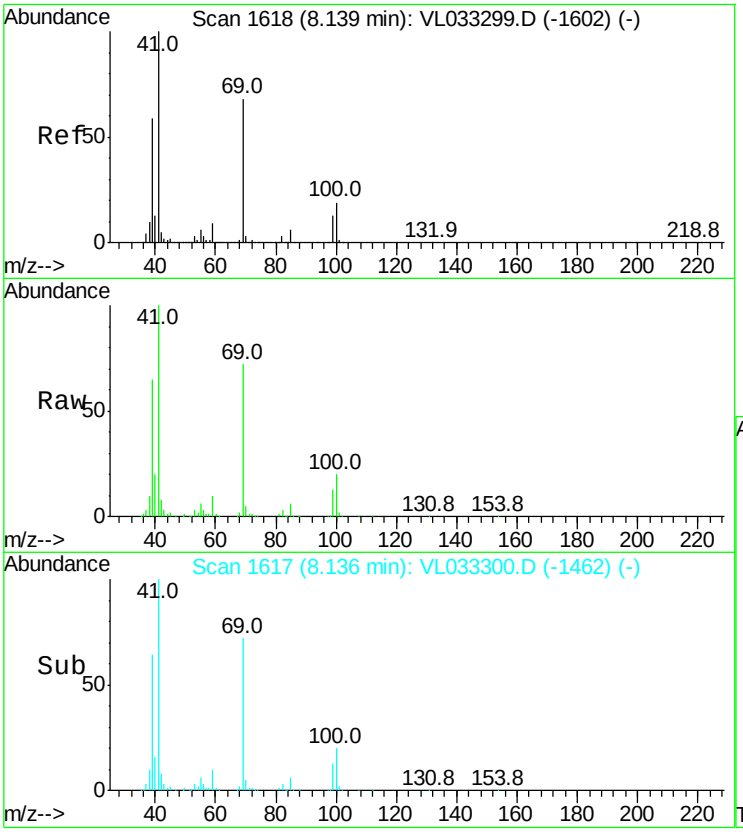


#42
Bromodichloromethane
Concen: 2.408 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 83 Resp: 349311

Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.0	76.4
127	7.9	6.6	10.0



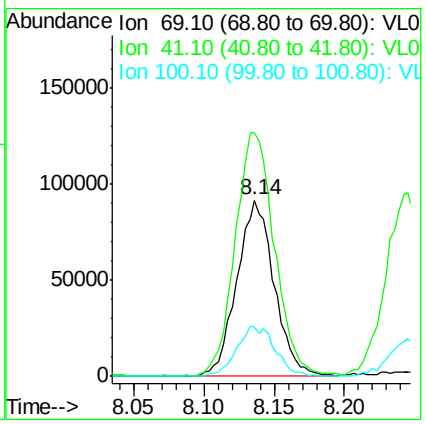


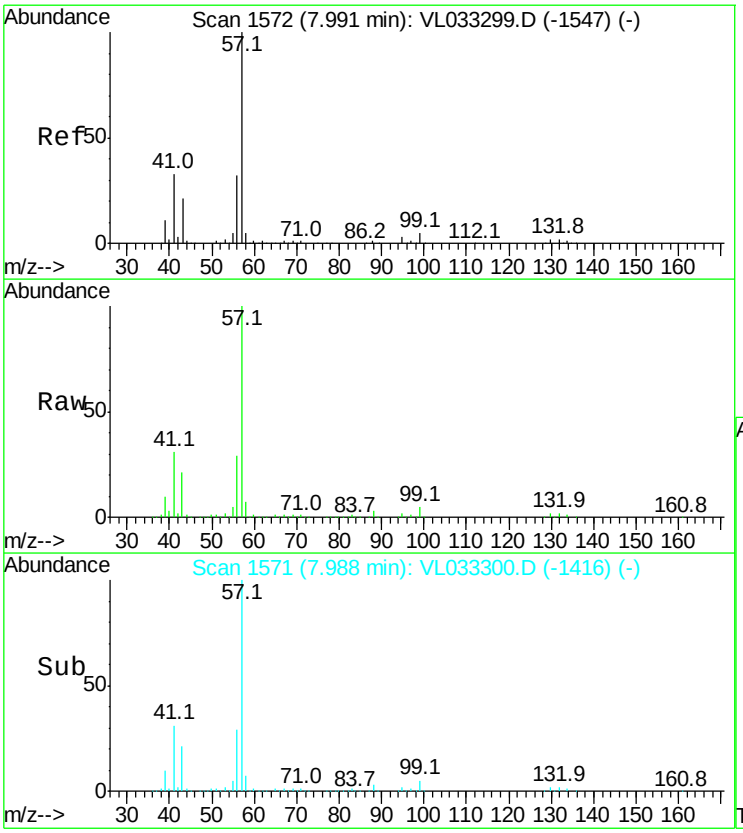
#43
Methyl Methacrylate
Concen: 2.482 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 69 Resp: 169940

Ion	Ratio	Lower	Upper
69	100		
41	145.8	117.0	175.4
100	29.4	24.3	36.5

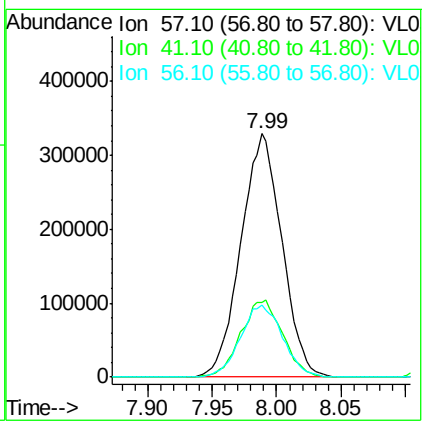


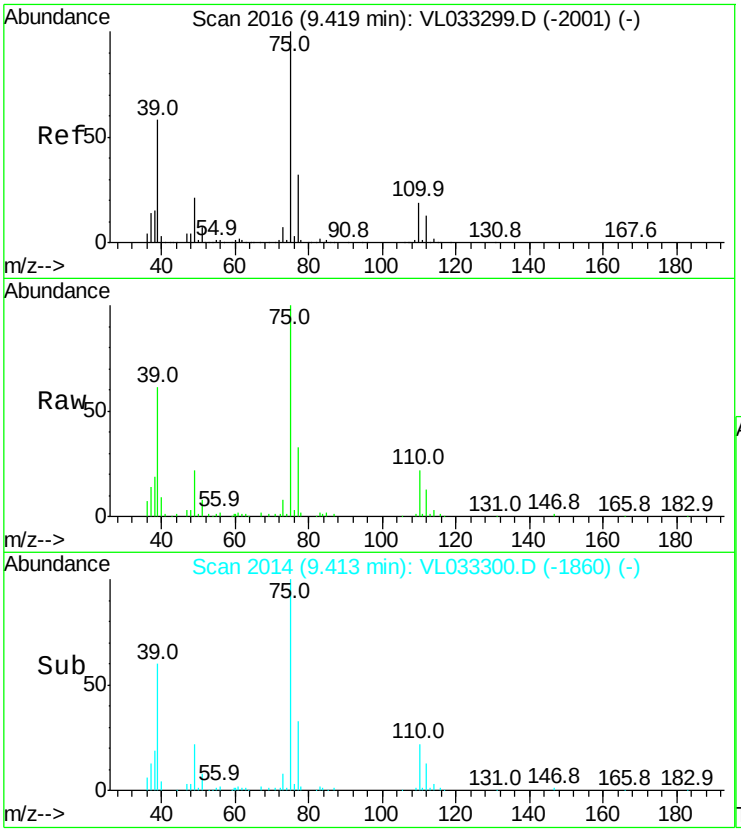


#44
2,2,4-Trimethylpentane
Concen: 2.438 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 57 Resp: 727470

Ion	Ratio	Lower	Upper
57	100		
41	32.3	25.9	38.9
56	30.5	24.6	36.8



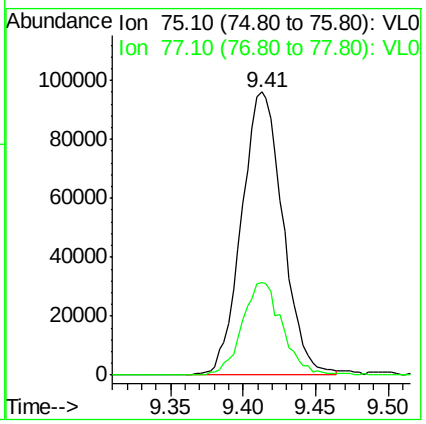


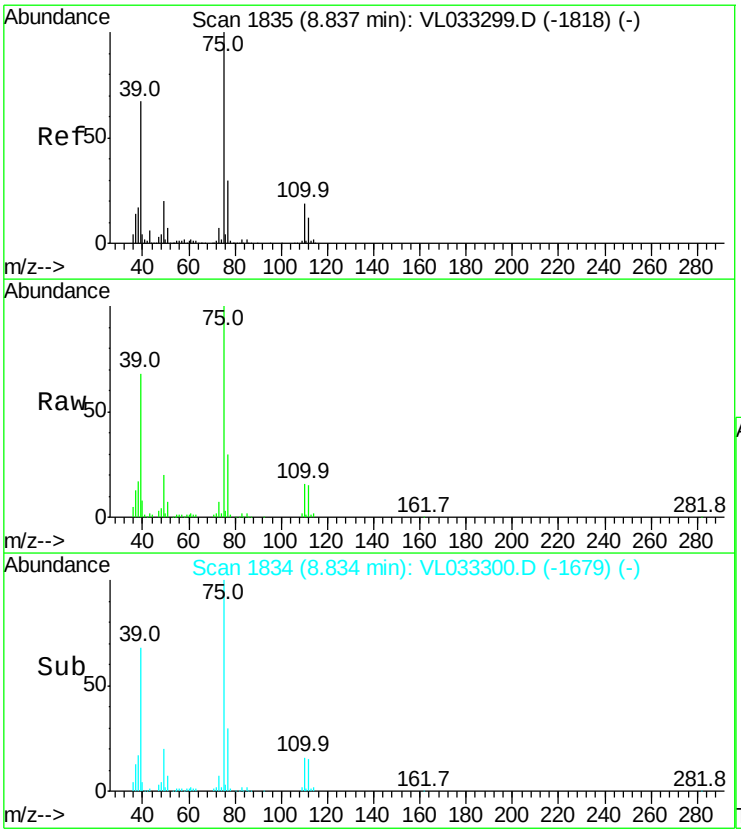
#45
t-1,3-Dichloropropene
Concen: 2.266 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 190707

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.3	37.9

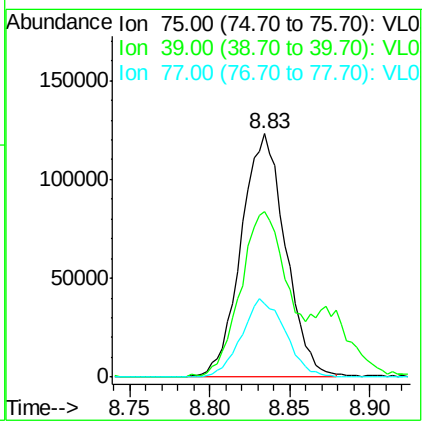


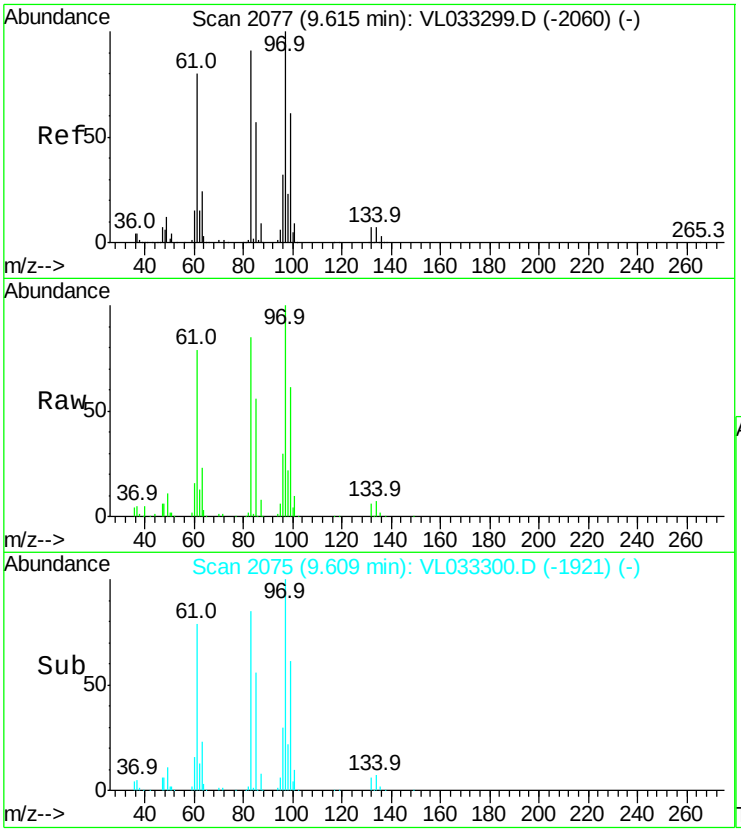


#46
cis-1,3-Dichloropropene
Concen: 2.367 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 75 Resp: 233548

Ion	Ratio	Lower	Upper
75	100		
39	67.8	53.4	80.2
77	30.4	23.7	35.5



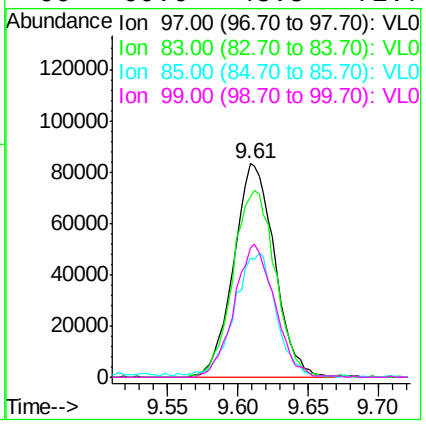


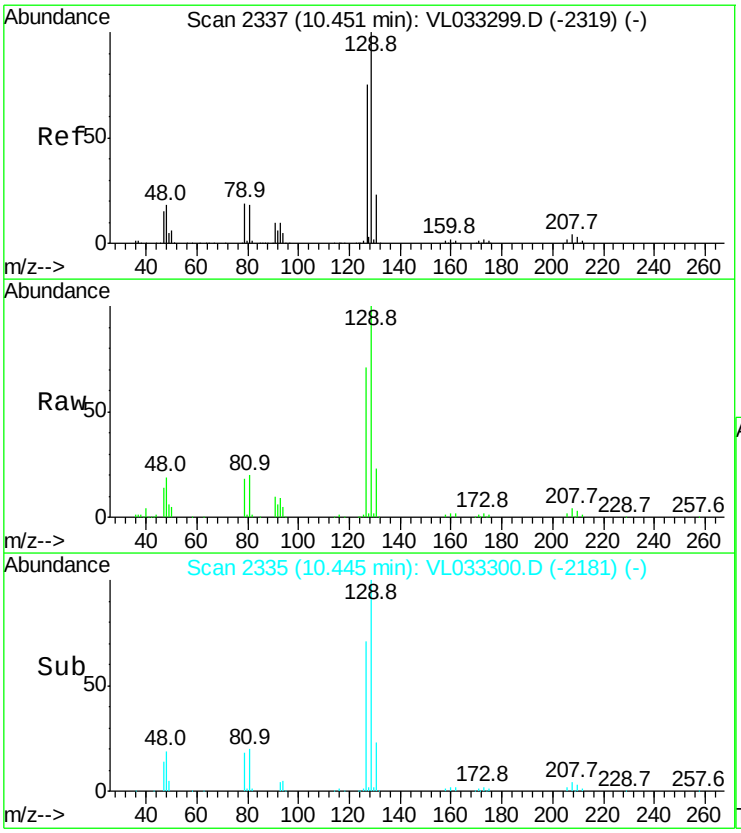
#47
1,1,2-Trichloroethane
Concen: 2.405 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 169790

Ion	Ratio	Lower	Upper
97	100		
83	84.8	72.7	109.1
85	55.9	45.6	68.4
99	60.6	48.5	72.7

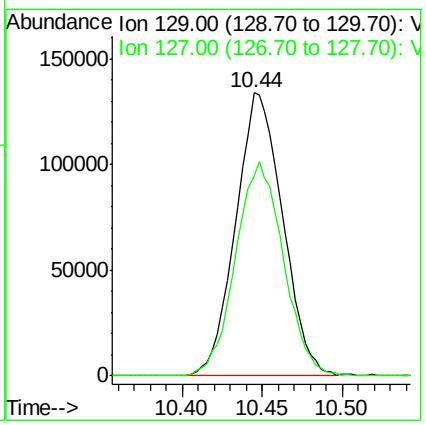


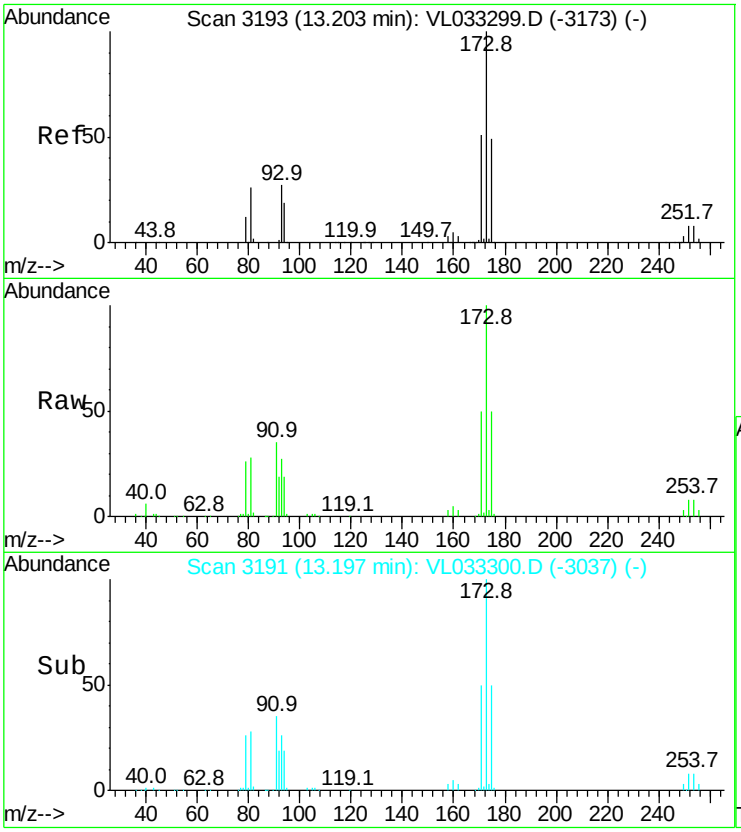


#48
Dibromochloromethane
Concen: 2.320 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:129 Resp: 268499

Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.0	117.0



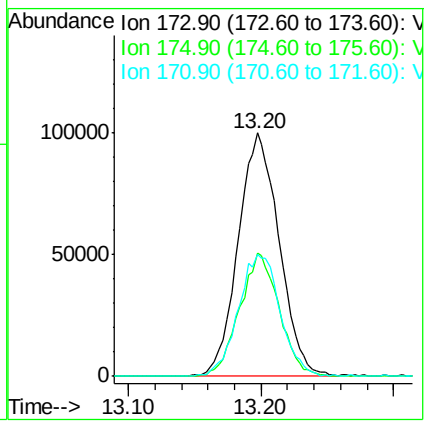


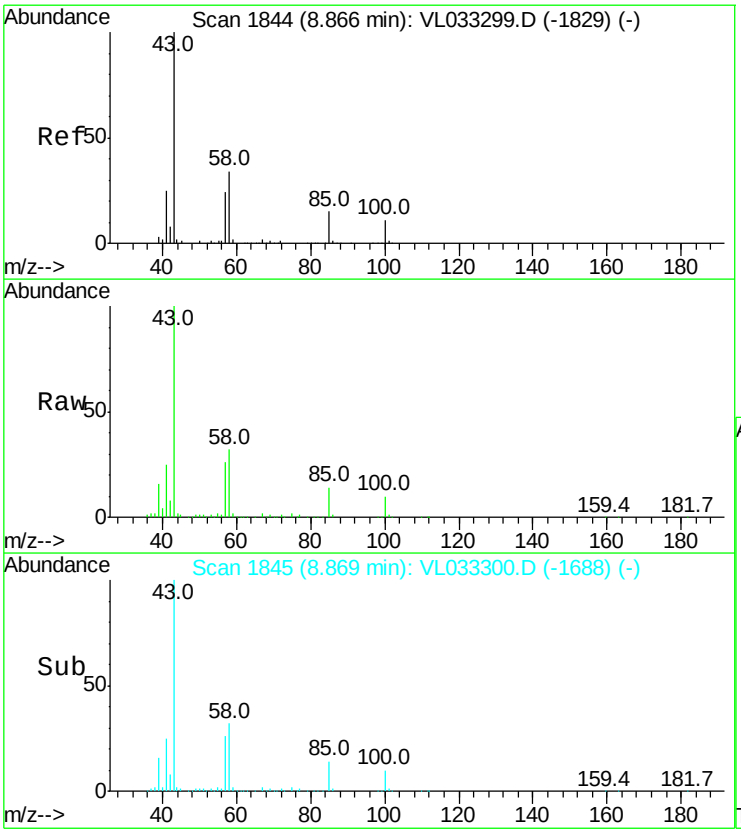
#49
Bromoform
Concen: 2.286 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 214417

Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.6	58.0
171	51.1	42.0	63.0

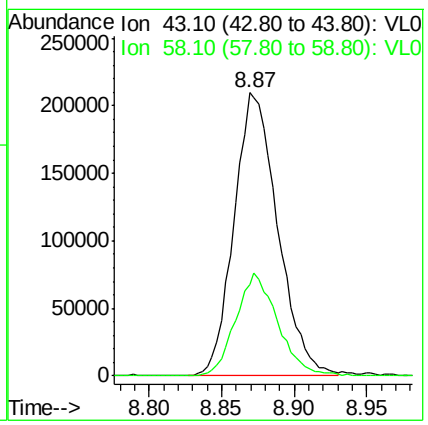


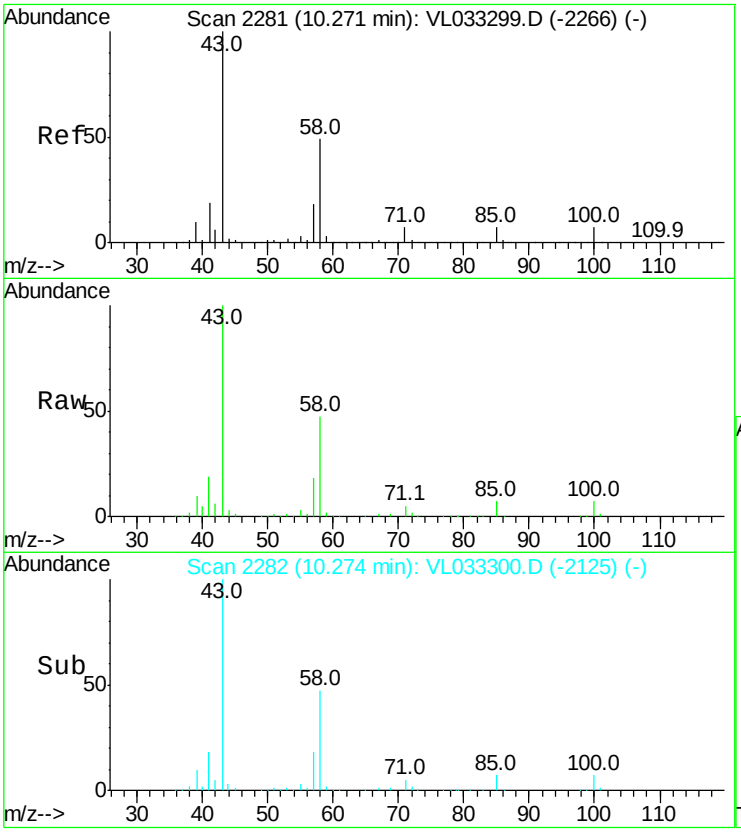


#50
4-Methyl-2-Pentanone
Concen: 2.428 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 43 Resp: 436440

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.2	42.2



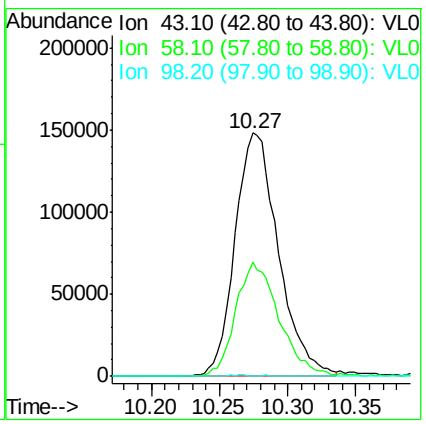


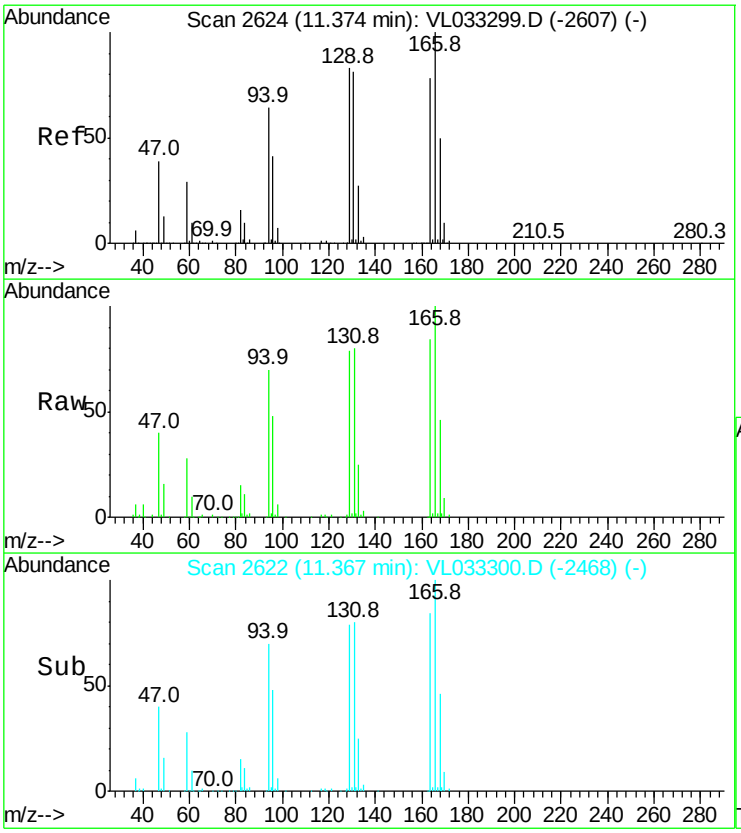
#51
2-Hexanone
Concen: 2.390 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 327874

Ion	Ratio	Lower	Upper
43	100		
58	47.4	38.4	57.6
98	0.2	0.2	0.2

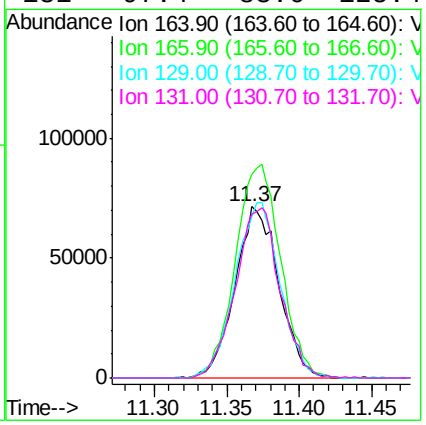


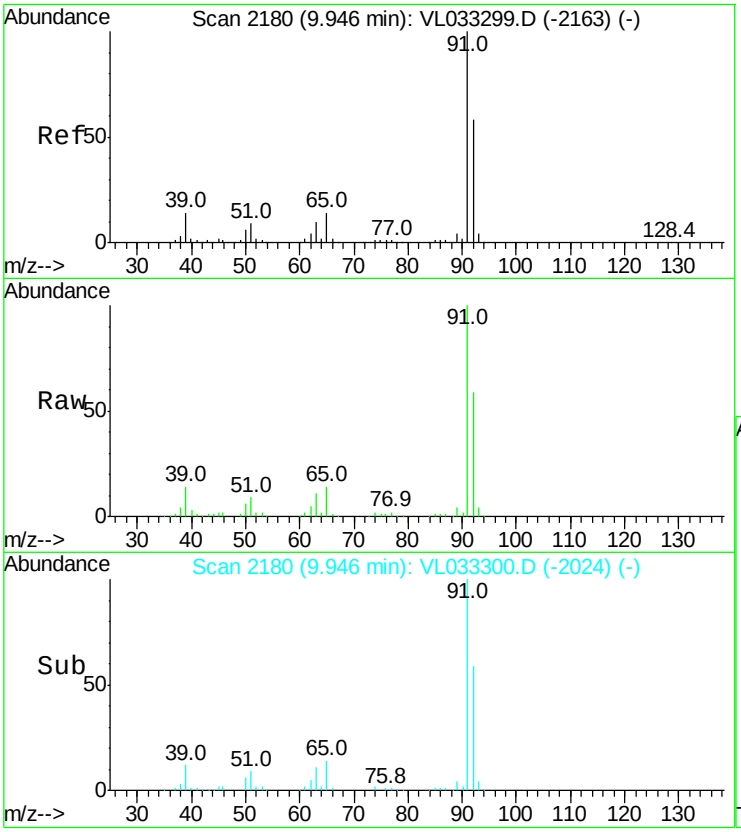


#52
Tetrachloroethene
Concen: 2.341 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:164 Resp: 150728

Ion	Ratio	Lower	Upper
164	100		
166	118.5	103.2	154.8
129	93.6	85.8	128.8
131	97.4	83.6	125.4



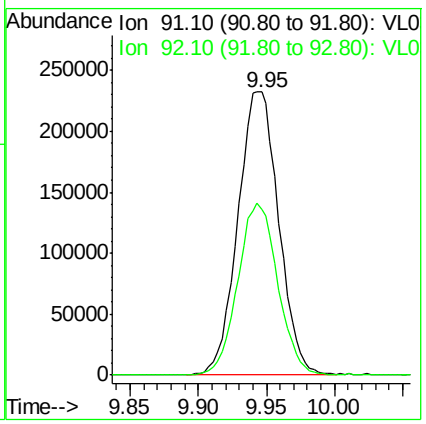


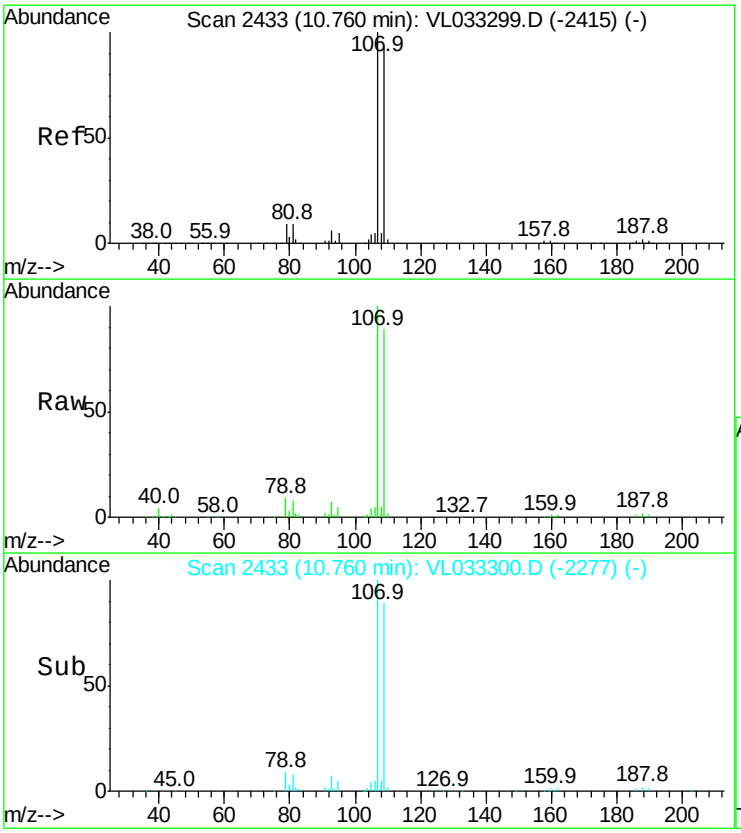
#53
Toluene
Concen: 2.383 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 482423

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.4	71.2

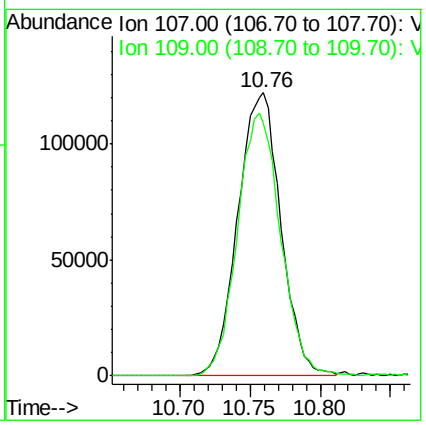


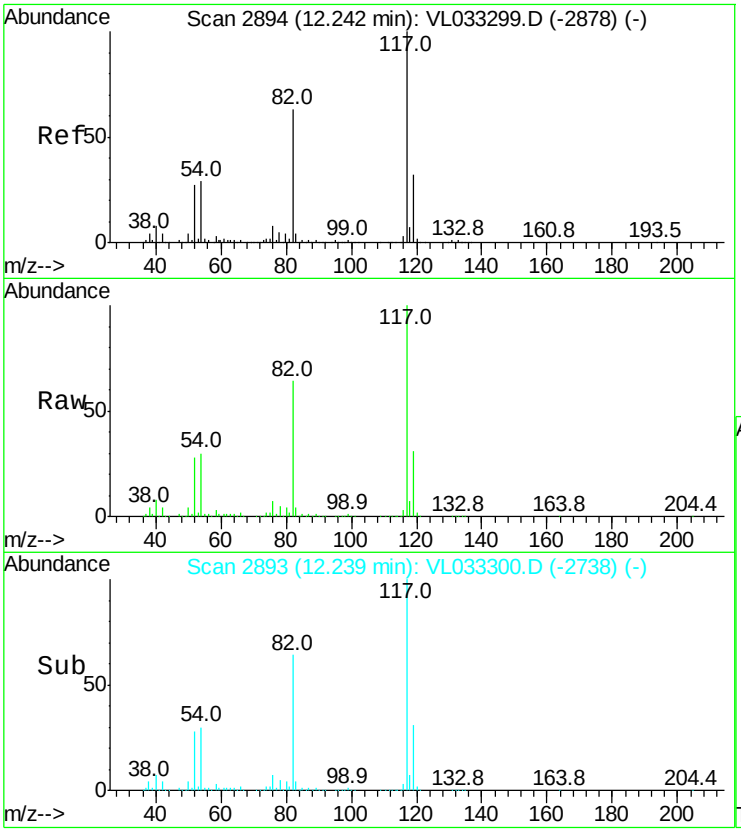


#54
1,2-Dibromoethane
Concen: 2.406 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:107 Resp: 261000

Ion	Ratio	Lower	Upper
107	100		
109	88.9	74.3	111.5



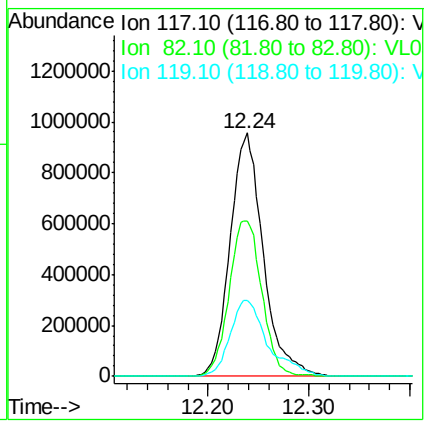


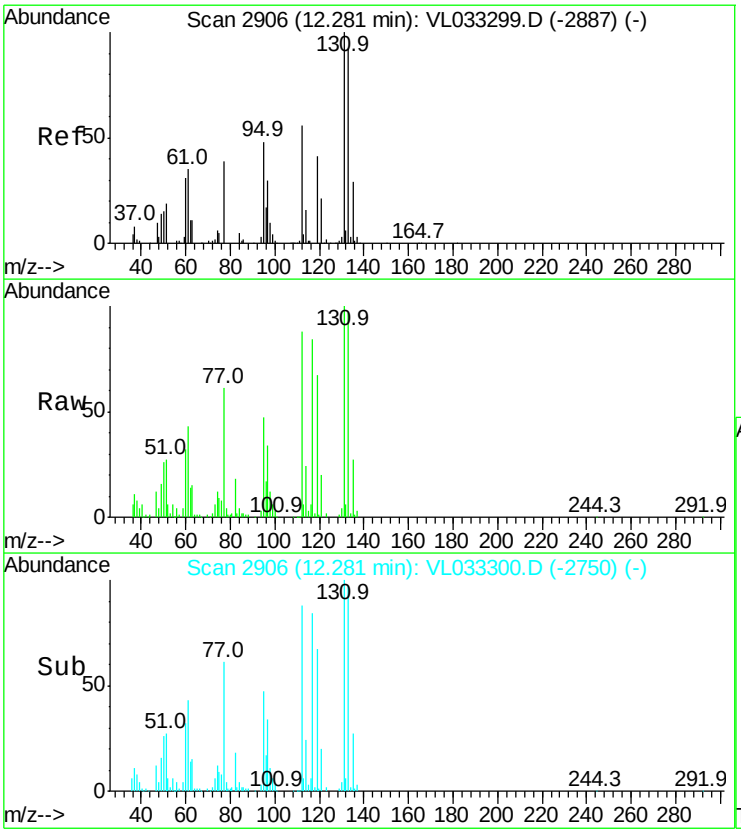
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 2181697

Ion	Ratio	Lower	Upper
117	100		
82	63.3	51.3	76.9
119	35.6	27.0	40.4

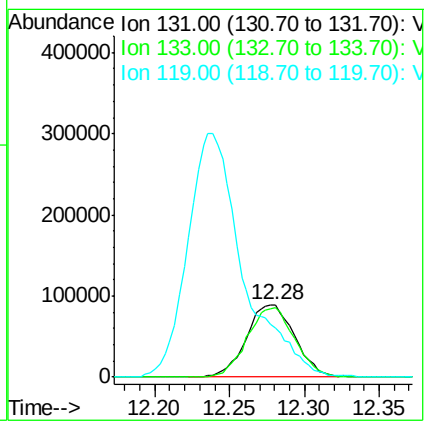


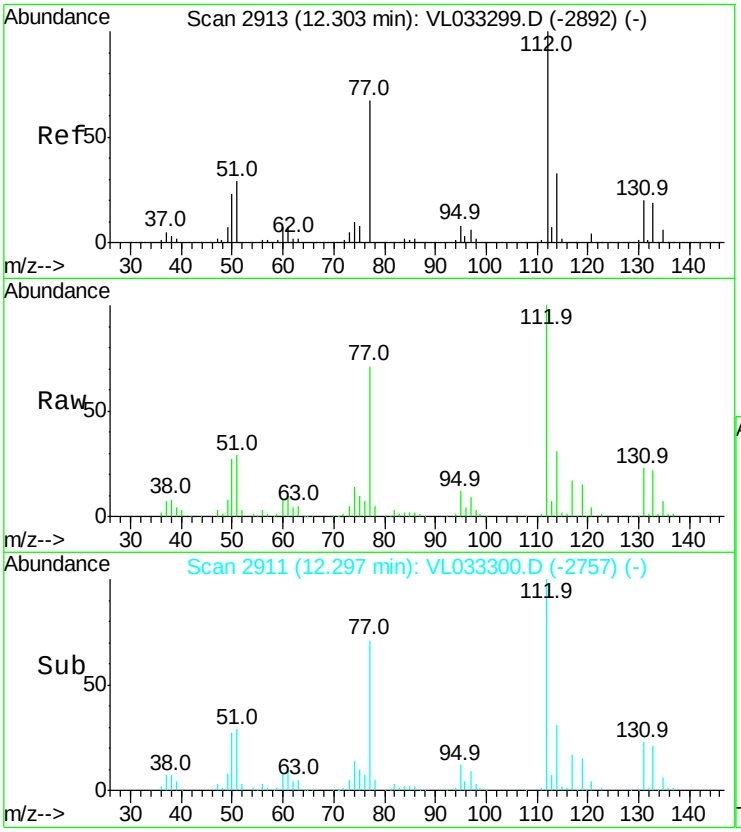


#56
1,1,1,2-Tetrachloroethane
Concen: 2.161 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:131 Resp: 200453

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.3	112.9
119	388.6	45.0	67.4#



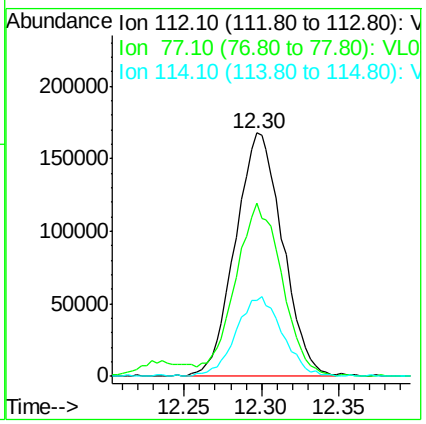


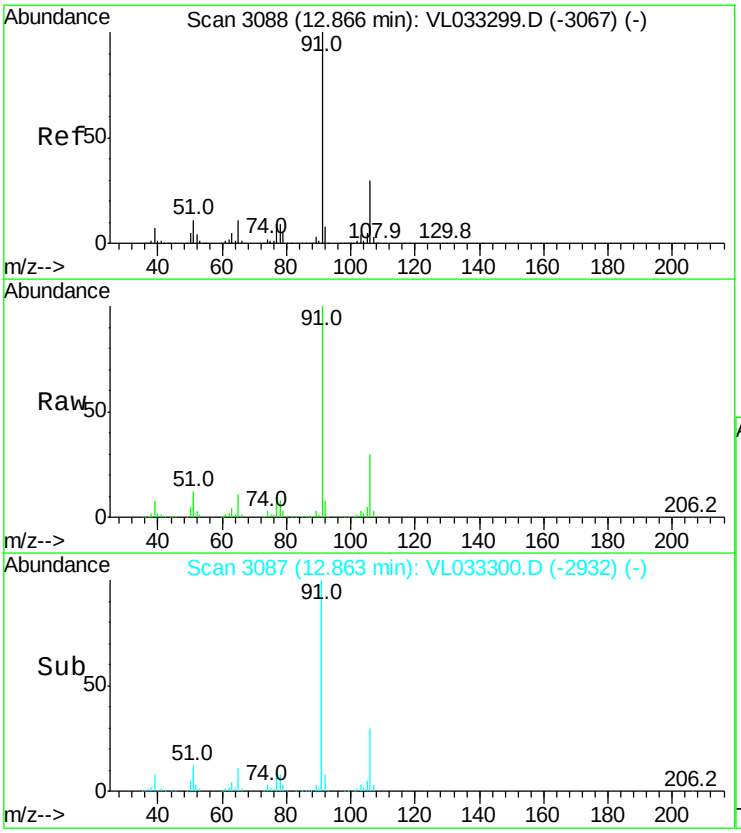
#57
Chlorobenzene
Concen: 2.168 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:112 Resp: 356686

Ion	Ratio	Lower	Upper
112	100		
77	71.2	54.7	82.1
114	31.3	29.6	36.2

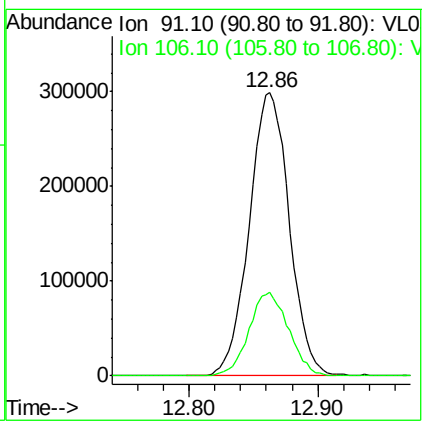


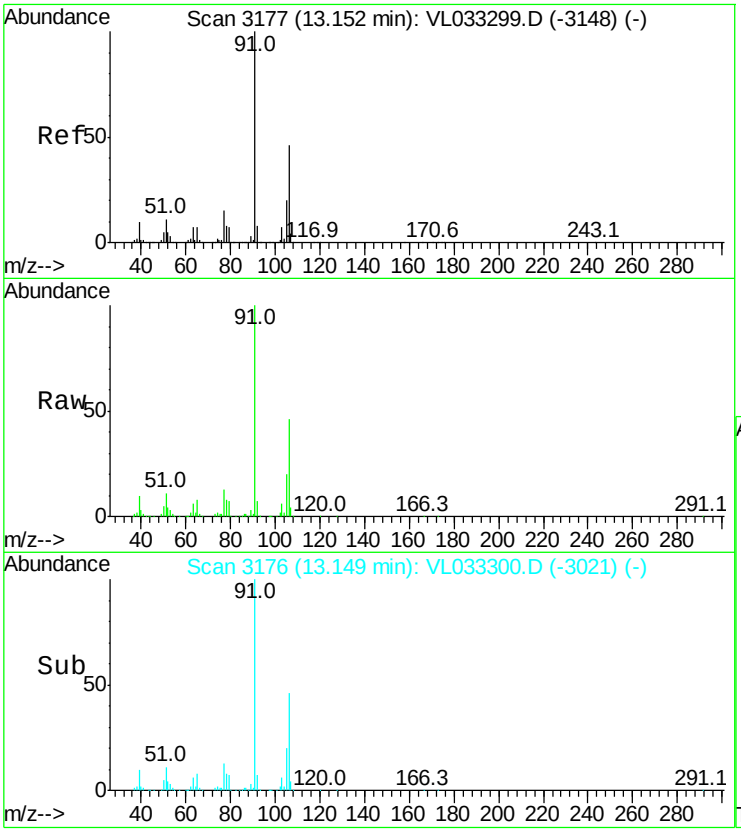


#58
Ethyl Benzene
Concen: 2.153 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 91 Resp: 645588

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6



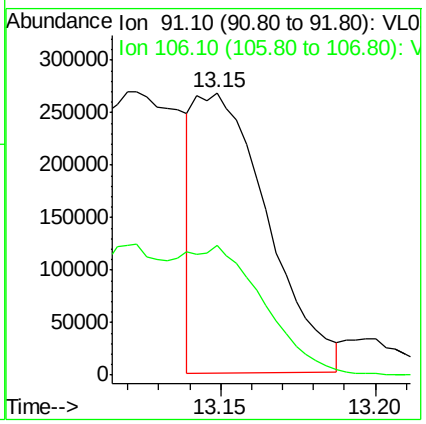


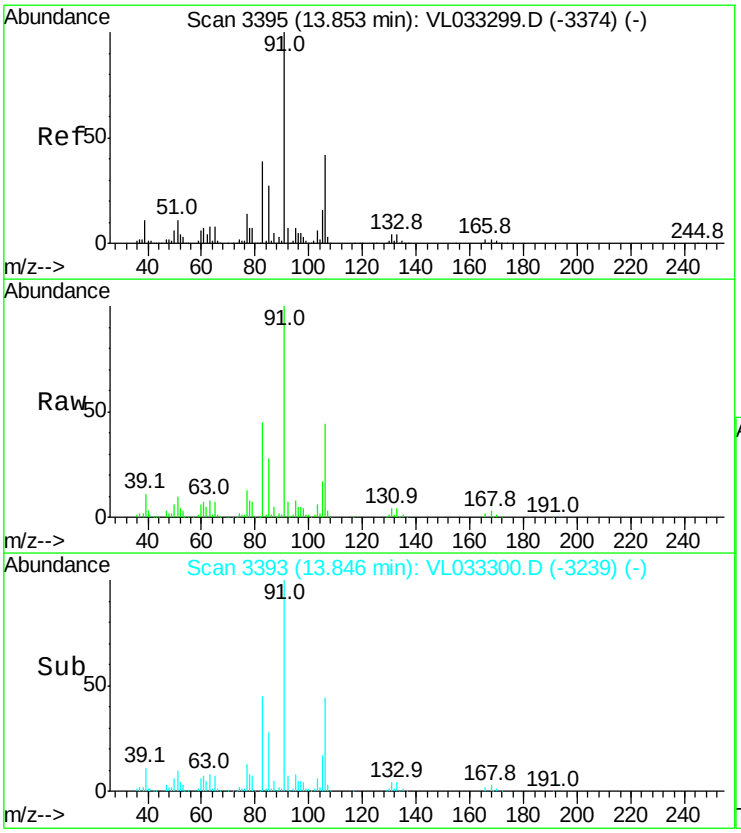
#59
m/p-Xylene
Concen: 1.749 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 438565

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

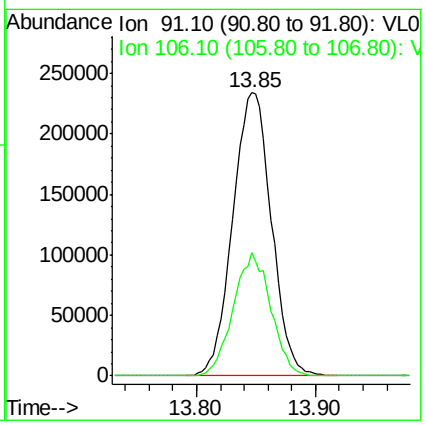


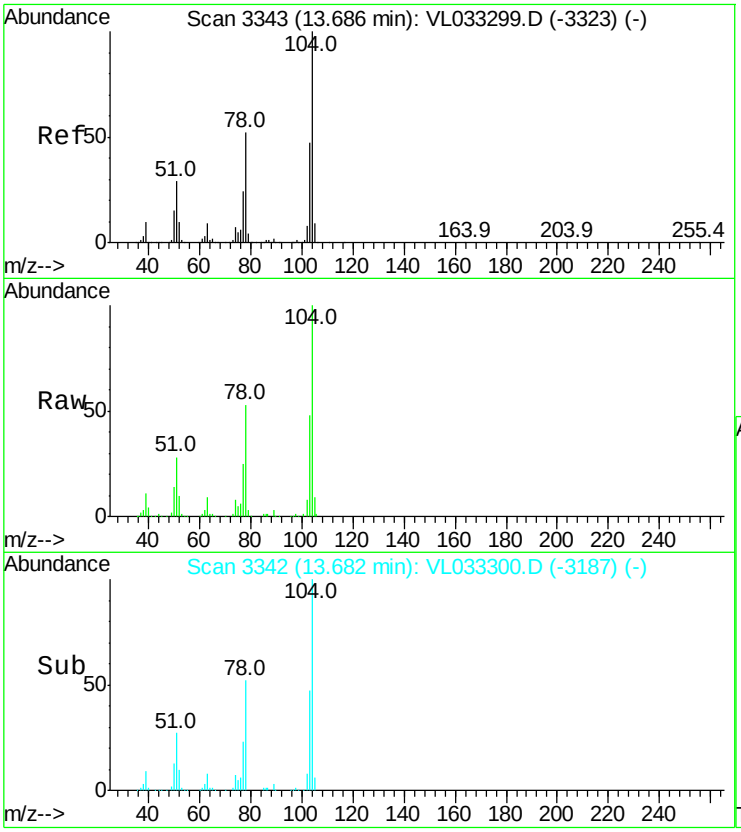


#60
o-Xylene
Concen: 2.175 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 91 Resp: 524310

Ion	Ratio	Lower	Upper
91	100		
106	42.3	21.4	64.3



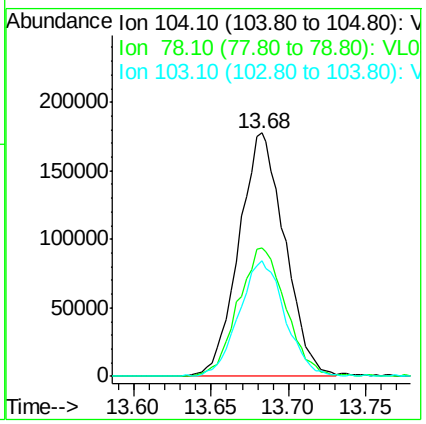


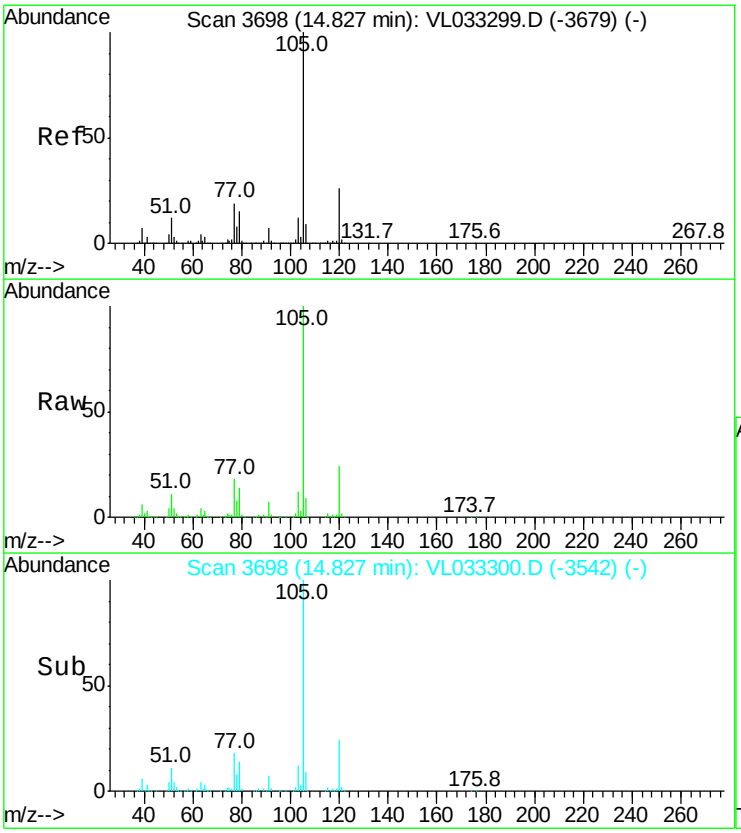
#61
Styrene
Concen: 2.134 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 366372

Ion	Ratio	Lower	Upper
104	100		
78	55.1	43.3	64.9
103	48.1	38.2	57.2

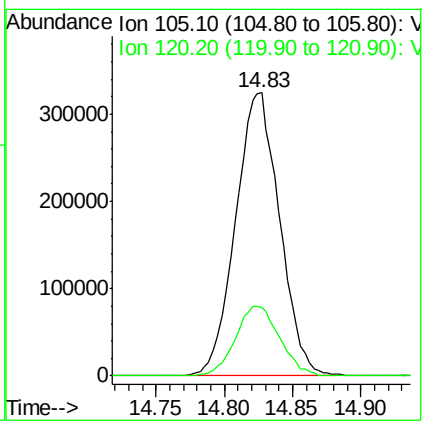


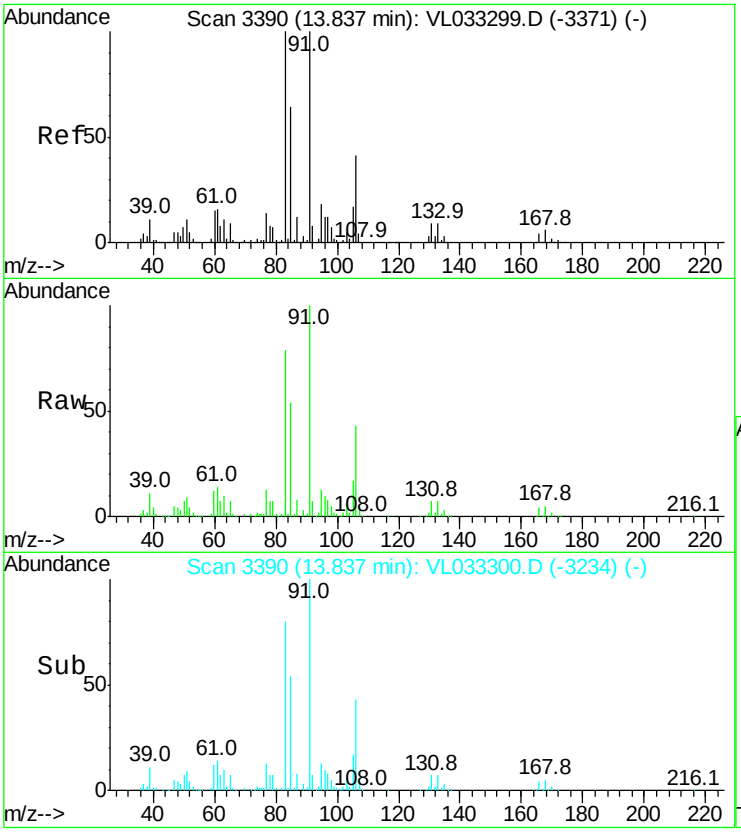


#62
Isopropylbenzene
Concen: 2.151 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:105 Resp: 722372

Ion	Ratio	Lower	Upper
105	100		
120	25.0	19.9	29.9



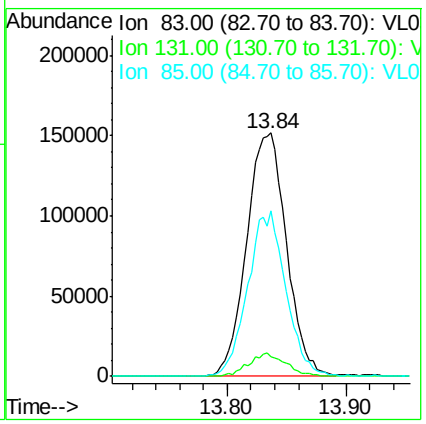


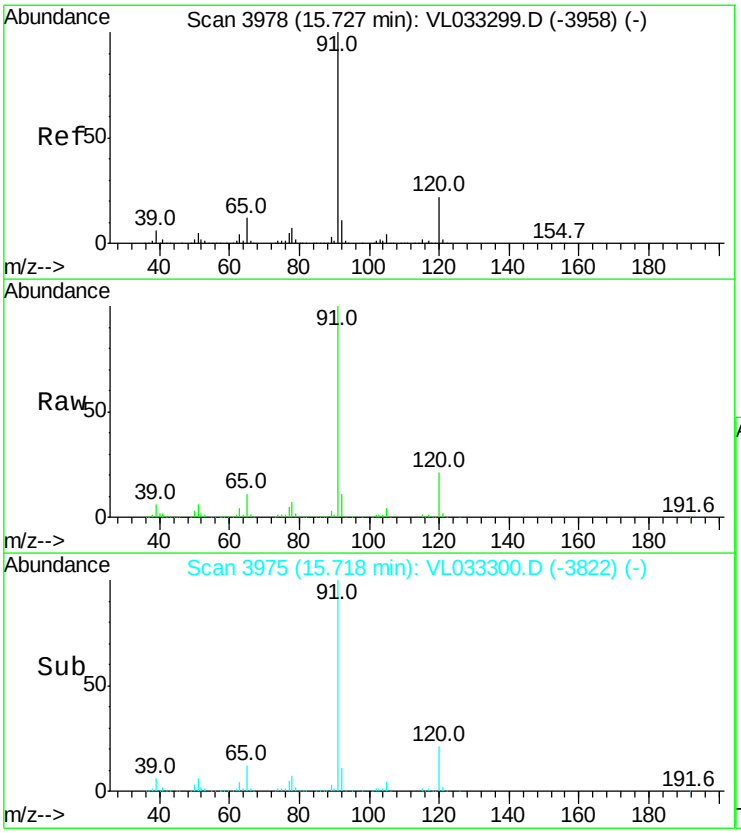
#63
1,1,2,2-Tetrachloroethane
Concen: 2.176 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 83 Resp: 351521

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.6	13.8
85	65.2	32.5	97.4

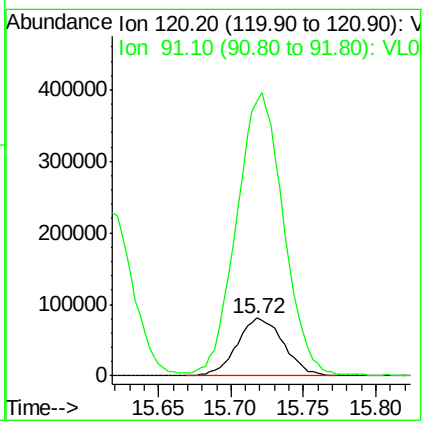


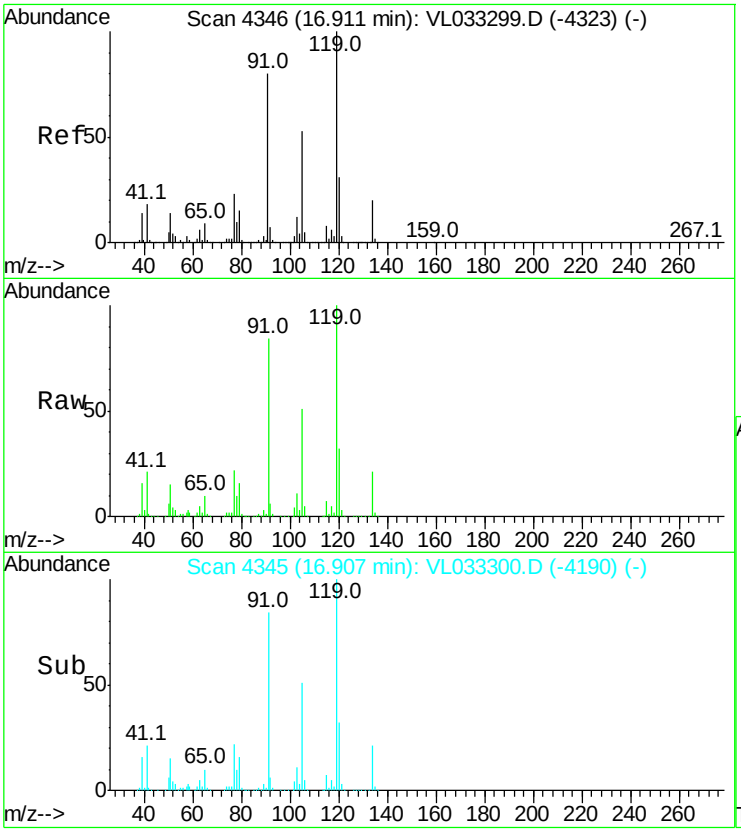


#64
n-propylbenzene
Concen: 2.188 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:120 Resp: 180838

Ion	Ratio	Lower	Upper
120	100		
91	496.6	393.7	590.5



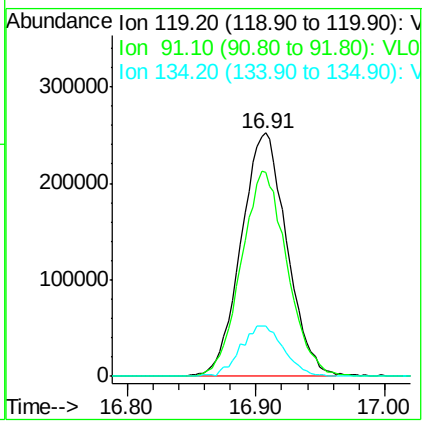


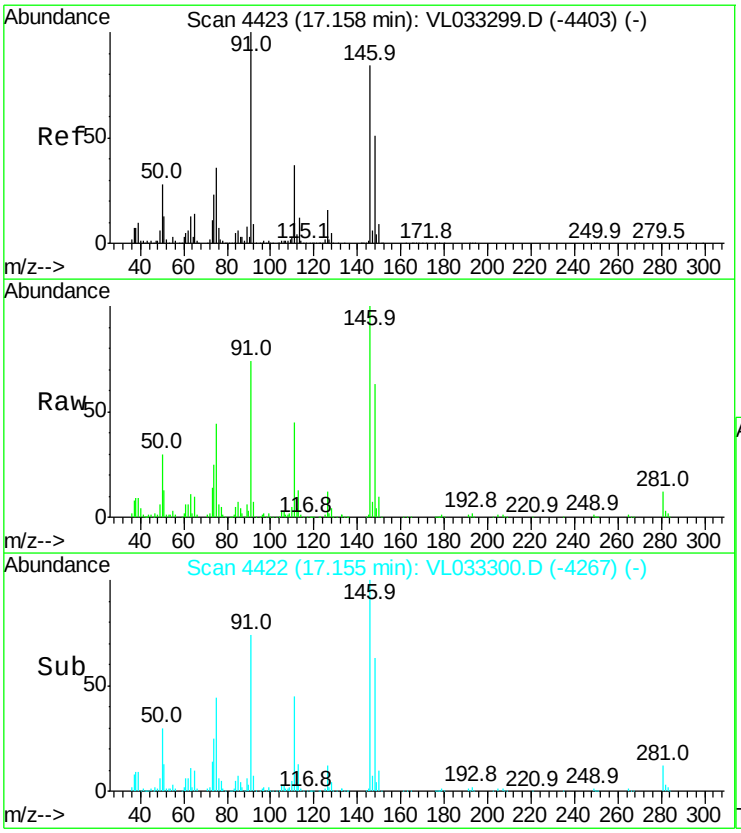
#65
tert-Butylbenzene
Concen: 2.192 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 621386

Ion	Ratio	Lower	Upper
119	100		
91	84.9	66.4	99.6
134	19.6	15.4	23.2

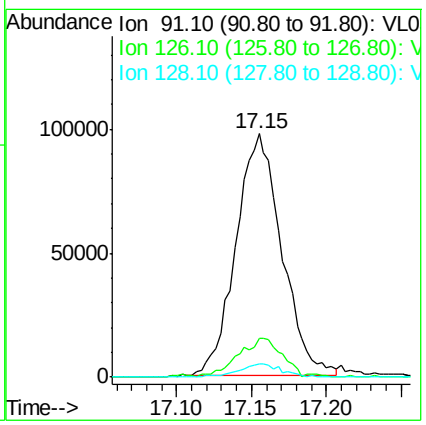


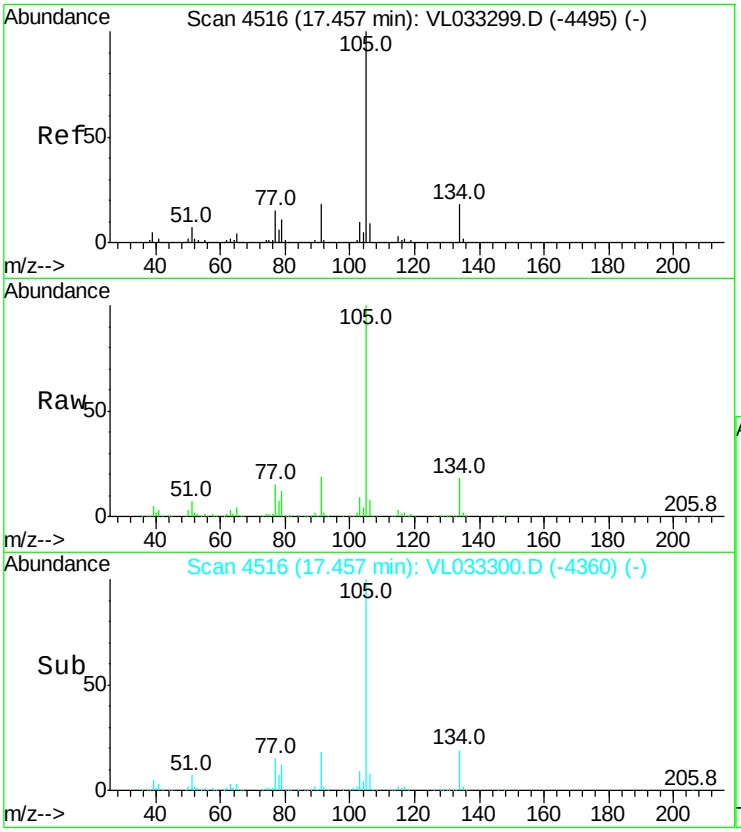


#66
Benzyl Chloride
Concen: 1.883 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 91 Resp: 206781

Ion	Ratio	Lower	Upper
91	100		
126	16.2	12.9	19.3
128	5.3	4.2	6.2



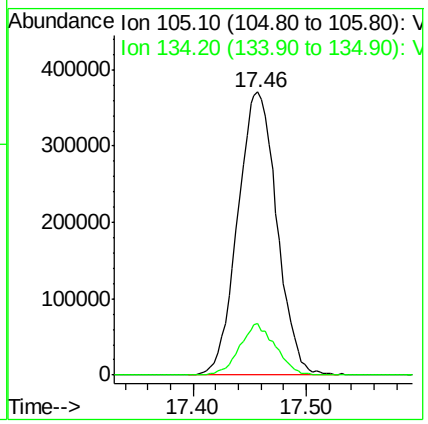


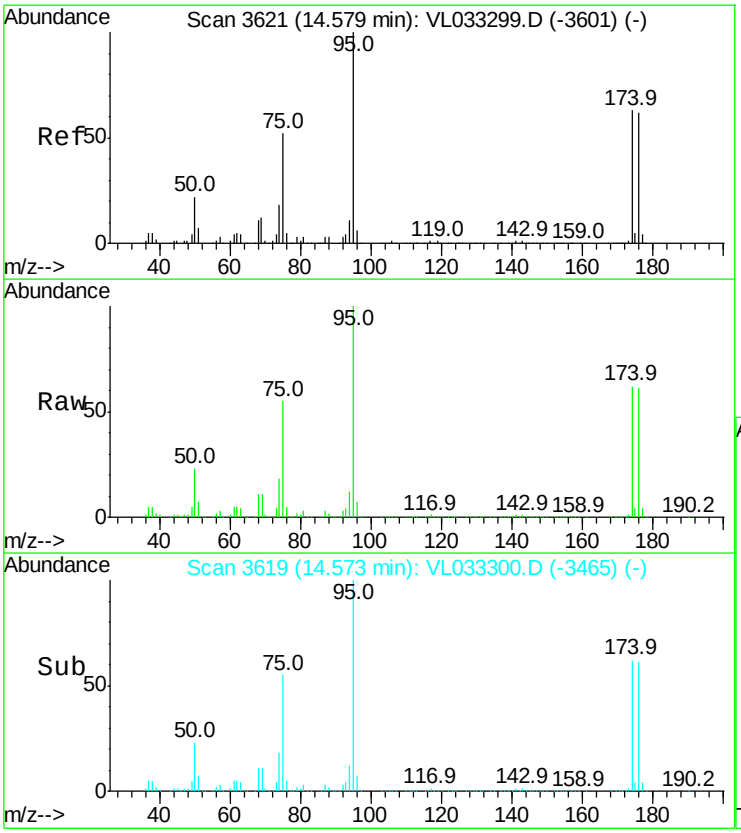
#67
sec-Butylbenzene
Concen: 2.202 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. 0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 888688

Ion	Ratio	Lower	Upper
105	100		
134	16.9	14.2	21.2

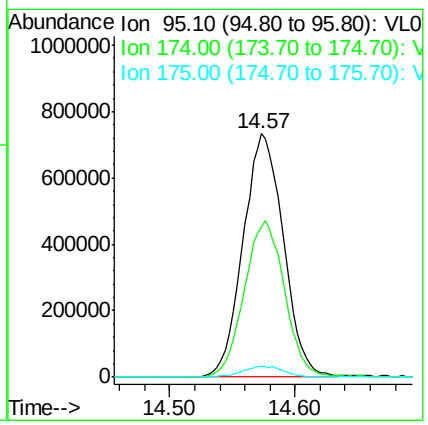


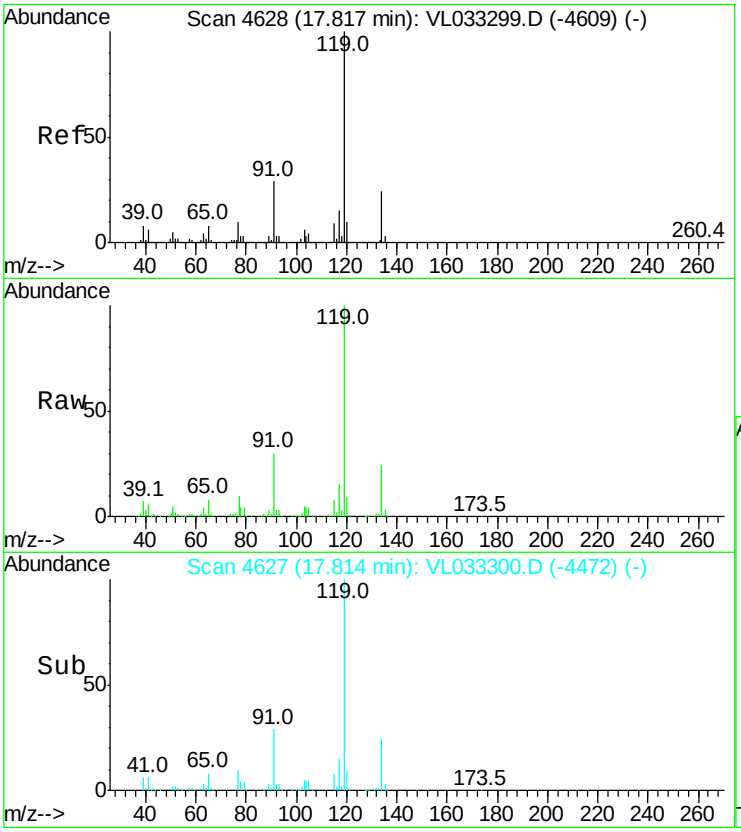


#68
1-Bromo-4-Fluorobenzene
Concen: 9.742 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 95 Resp: 1641243

Ion	Ratio	Lower	Upper
95	100		
174	64.2	51.9	77.9
175	4.7	3.9	5.9



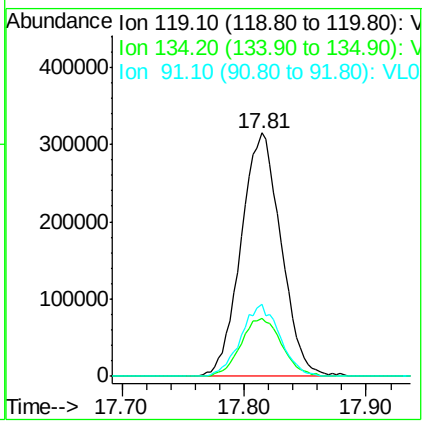


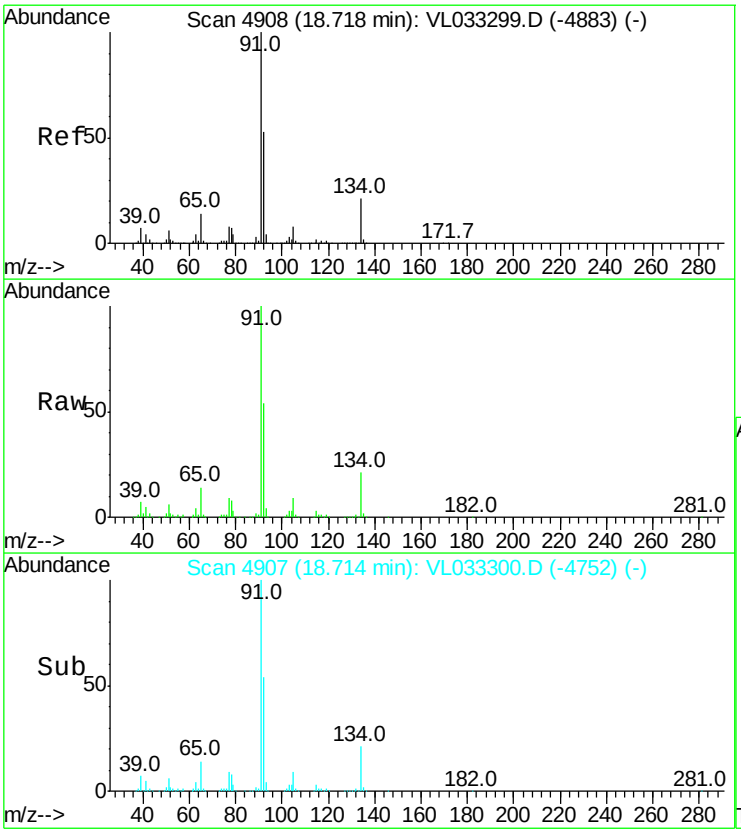
#69
p-Isopropyltoluene
Concen: 2.187 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 712788

Ion	Ratio	Lower	Upper
119	100		
134	24.3	19.8	29.6
91	29.0	23.8	35.8

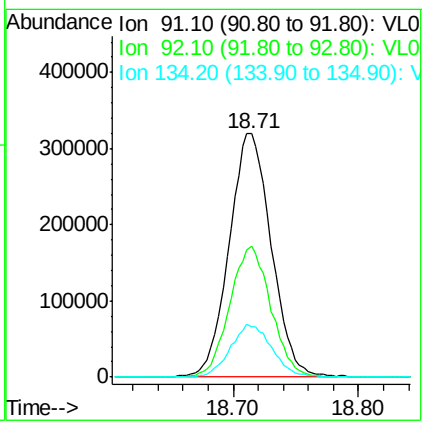


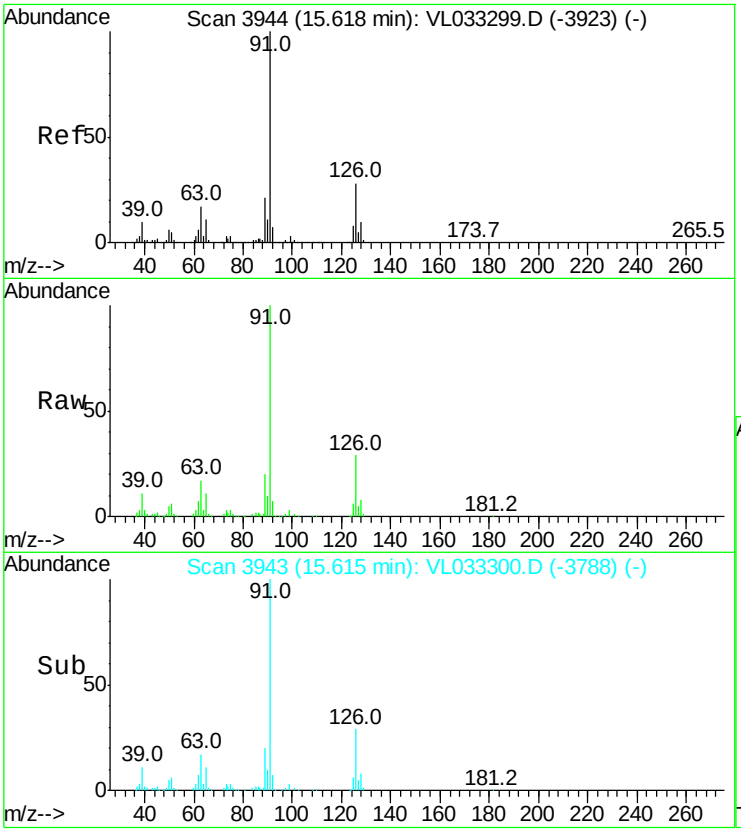


#70
n-Butylbenzene
Concen: 2.109 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion: 91 Resp: 738188

Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.6	63.8
134	21.5	17.4	26.0



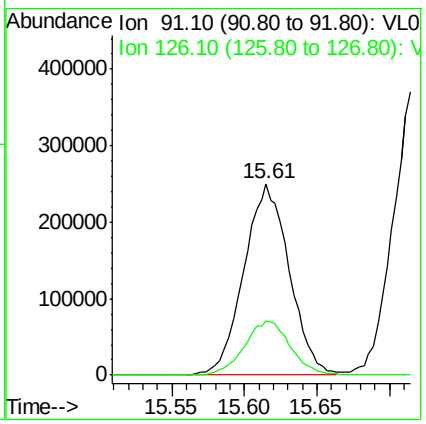


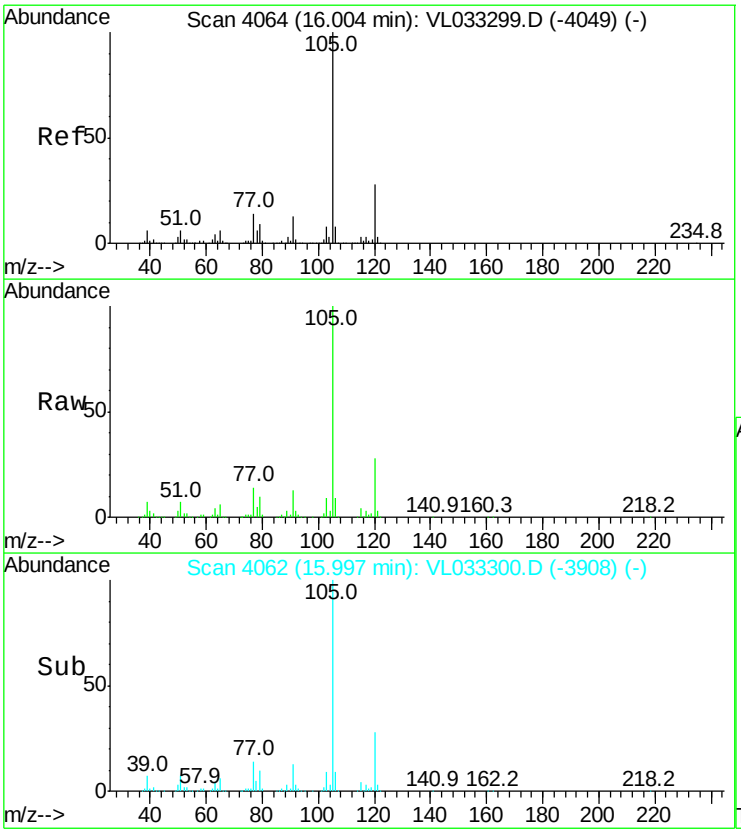
#71
2-Chlorotoluene
Concen: 2.133 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 540052

Ion	Ratio	Lower	Upper
91	100		
126	29.0	11.8	47.0

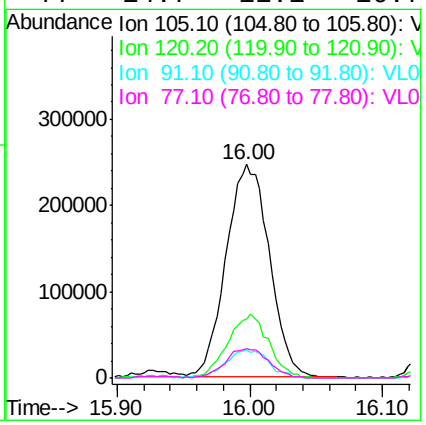


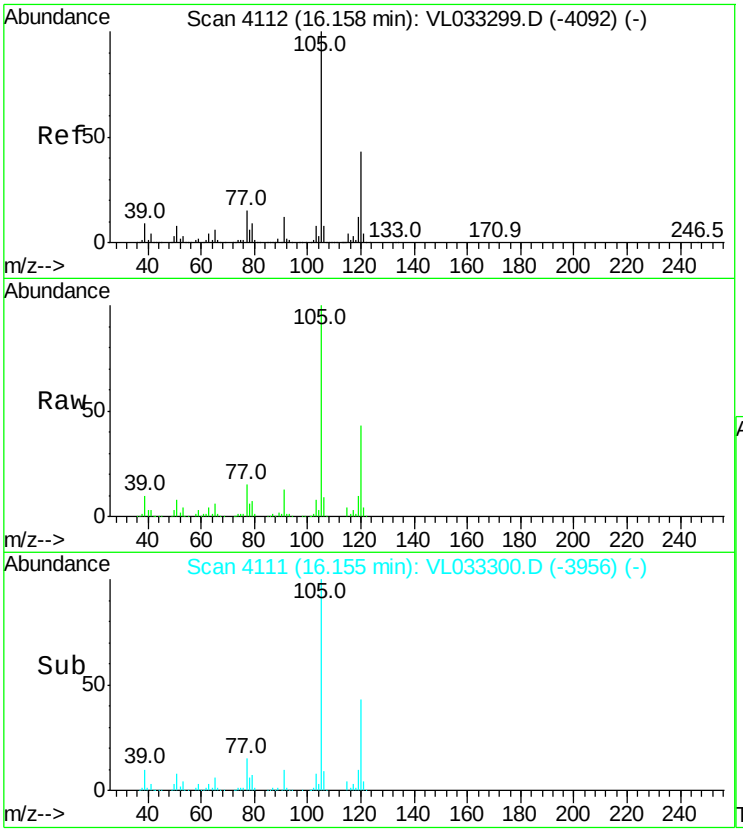


#72
4-Ethyltoluene
Concen: 2.155 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:105 Resp: 561020

Ion	Ratio	Lower	Upper
105	100		
120	28.6	22.7	34.1
91	13.4	10.3	15.5
77	14.7	11.1	16.7



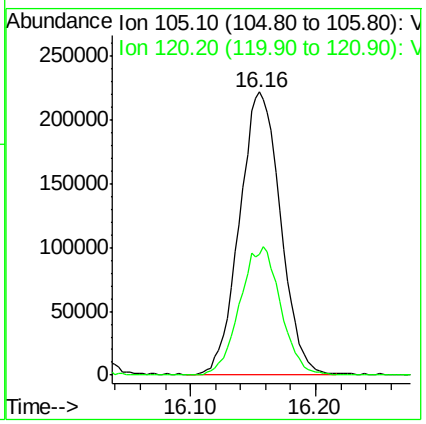


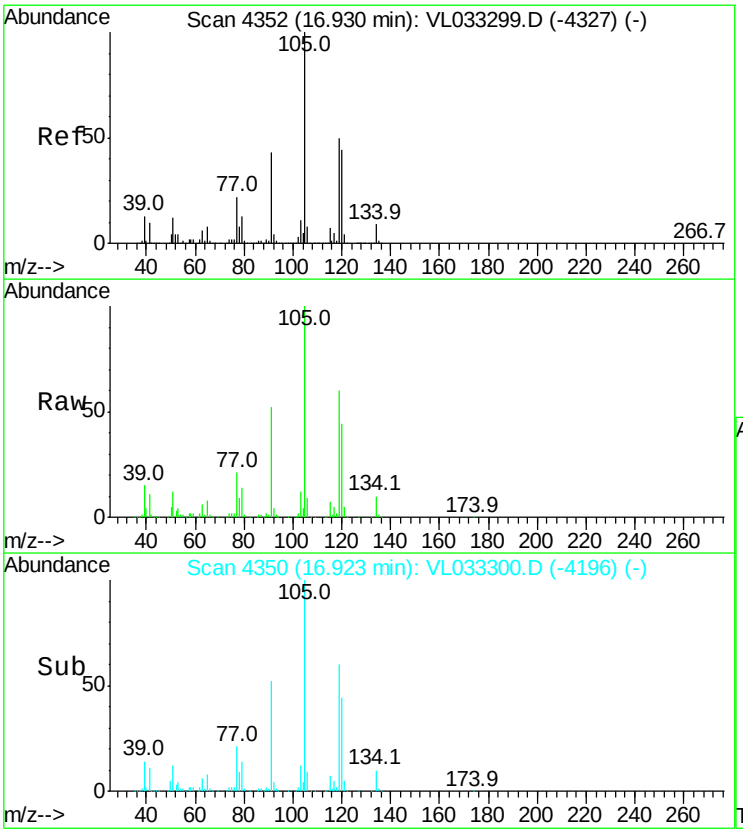
#73
1,3,5-Trimethylbenzene
Concen: 2.051 ppbv
RT: 16.16 min Scan# 4111
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 503175

Ion	Ratio	Lower	Upper
105	100		
120	43.0	34.6	52.0

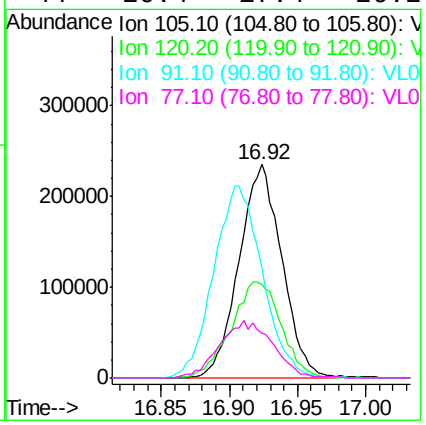


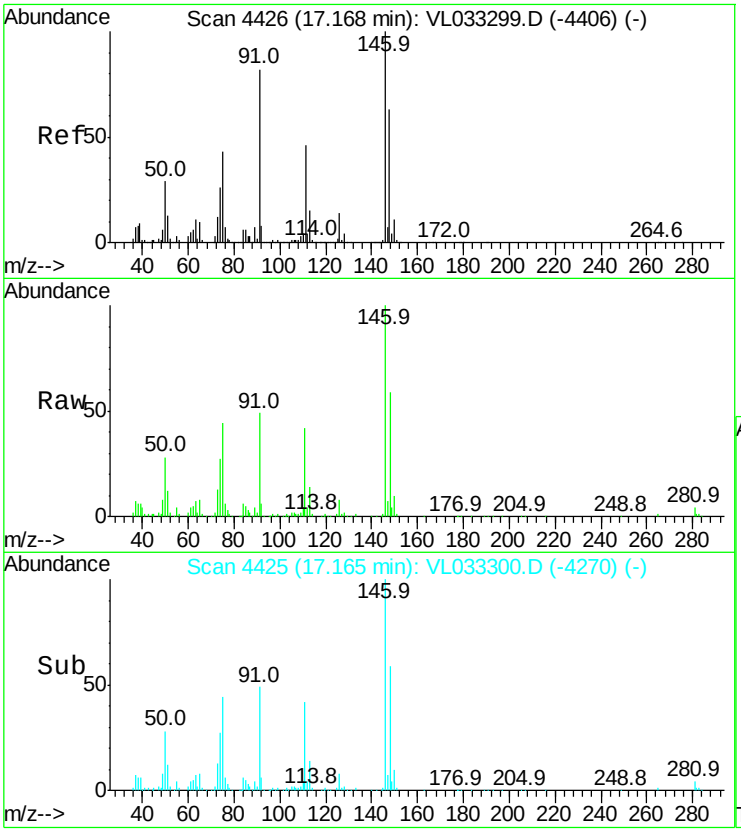


#74
1,2,4-Trimethylbenzene
Concen: 2.058 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:105 Resp: 514270

Ion	Ratio	Lower	Upper
105	100		
120	43.3	35.2	52.8
91	51.1	34.0	51.0#
77	20.4	17.4	26.2



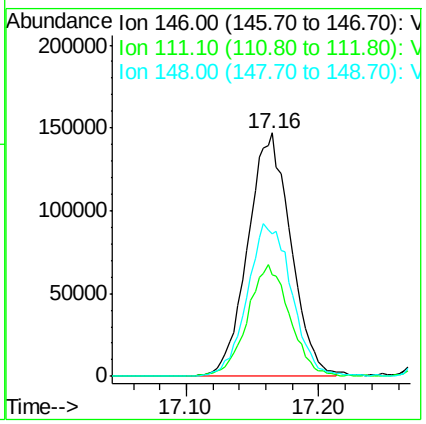


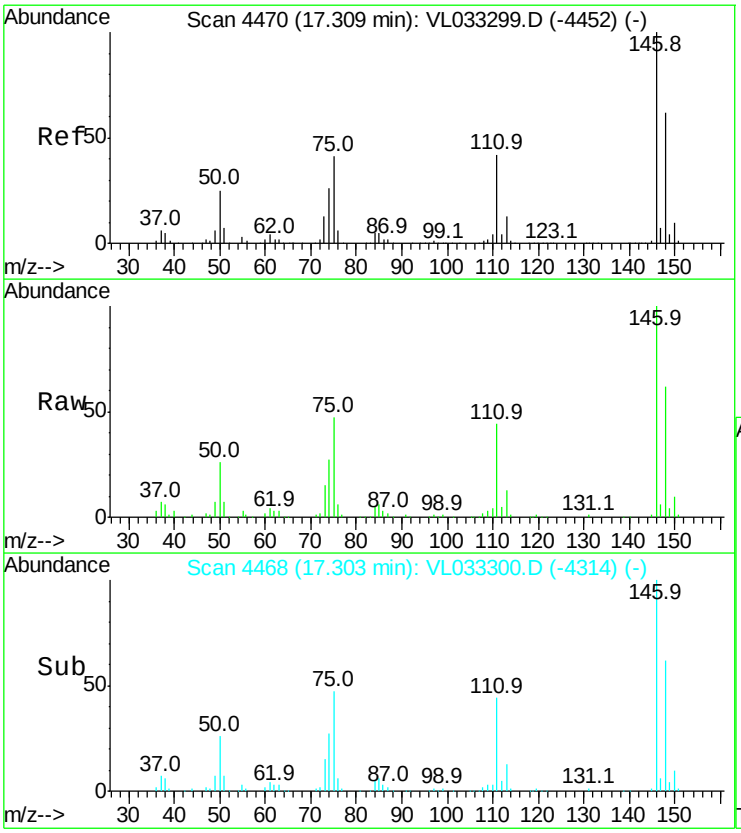
#75
1,3-Dichlorobenzene
Concen: 2.215 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:146 Resp: 331694

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.9	68.7
148	64.8	32.4	97.0

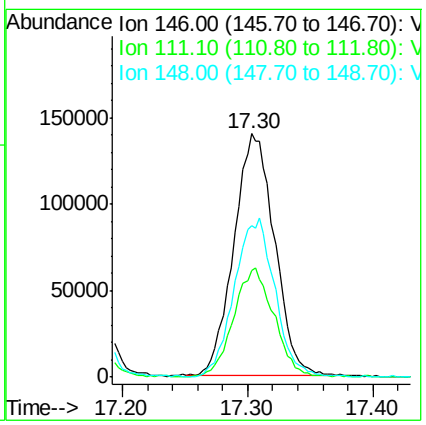


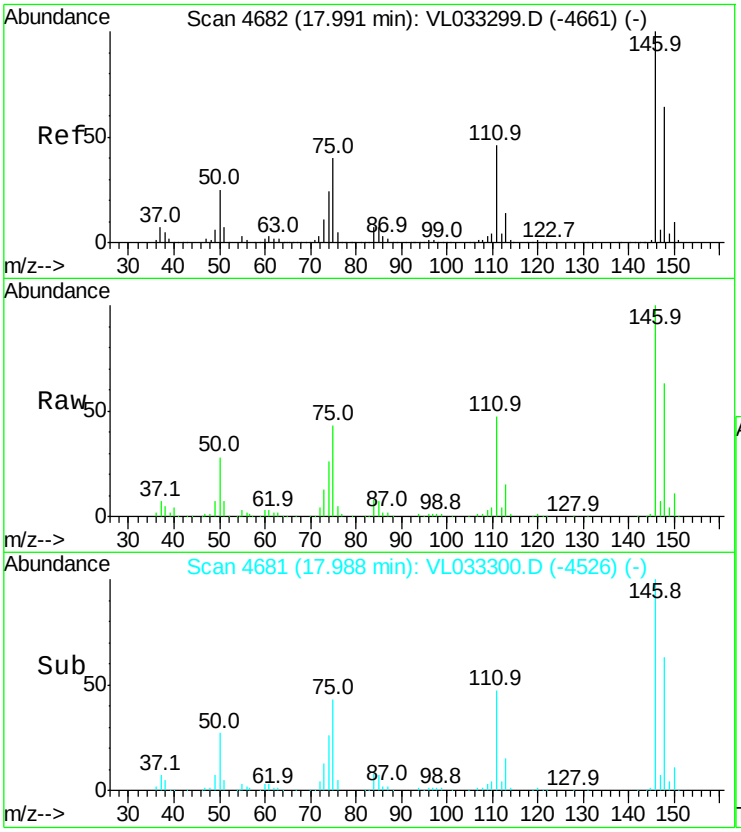


#76
1,4-Dichlorobenzene
Concen: 2.129 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:146 Resp: 315321

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.9	65.5
148	65.2	31.8	95.4



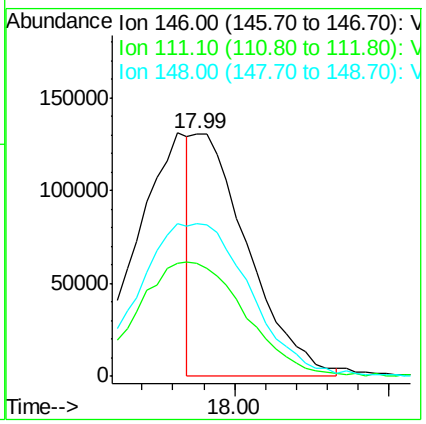


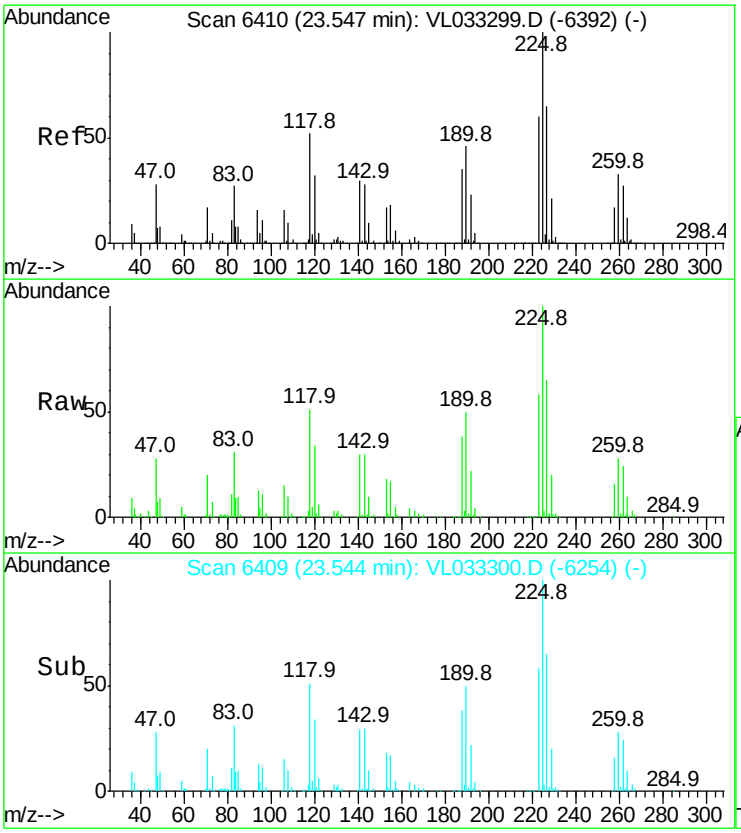
#77
1,2-Dichlorobenzene
Concen: 1.078 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:146 Resp: 160753

Ion	Ratio	Lower	Upper
146	100		
111	94.6	23.2	69.6#
148	0.0	32.0	96.0#

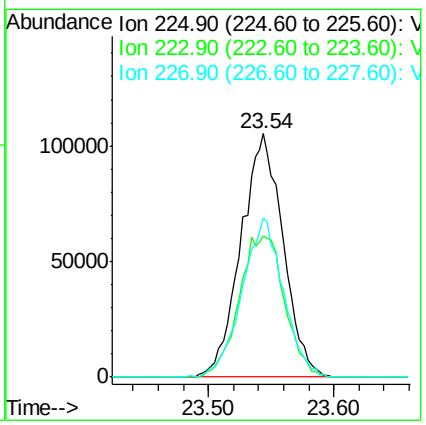


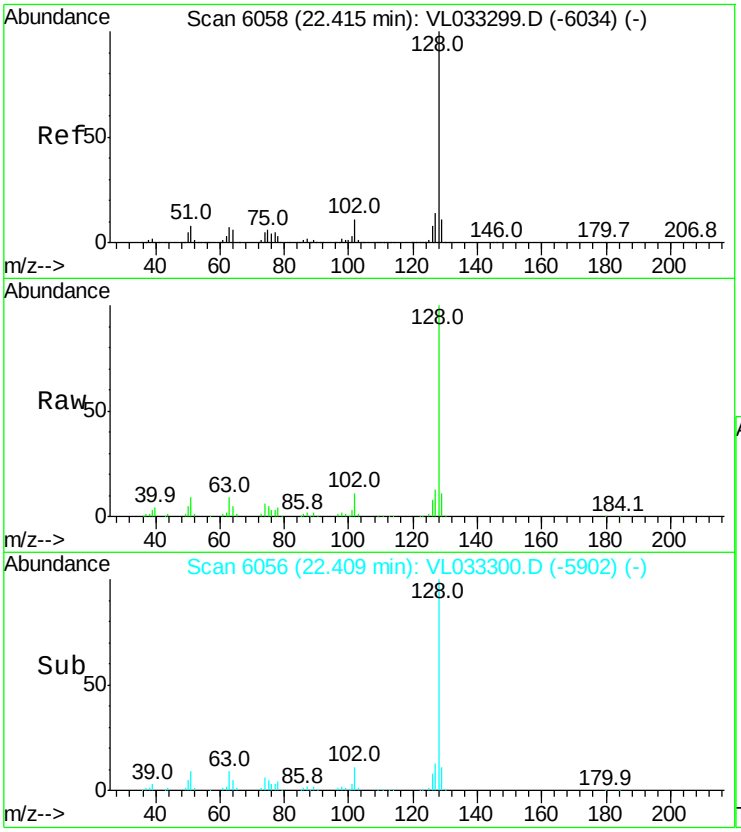


#78
Hexachloro-1,3-Butadiene
Concen: 1.975 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.00 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:225 Resp: 245344

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5
227	64.0	51.2	76.8



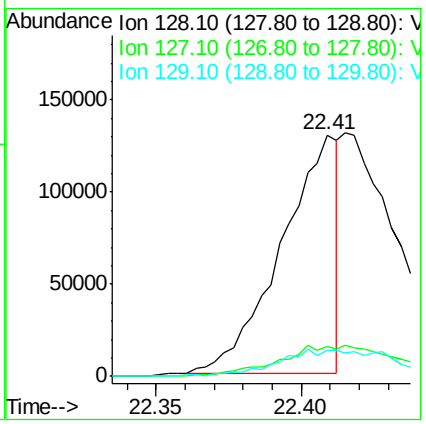


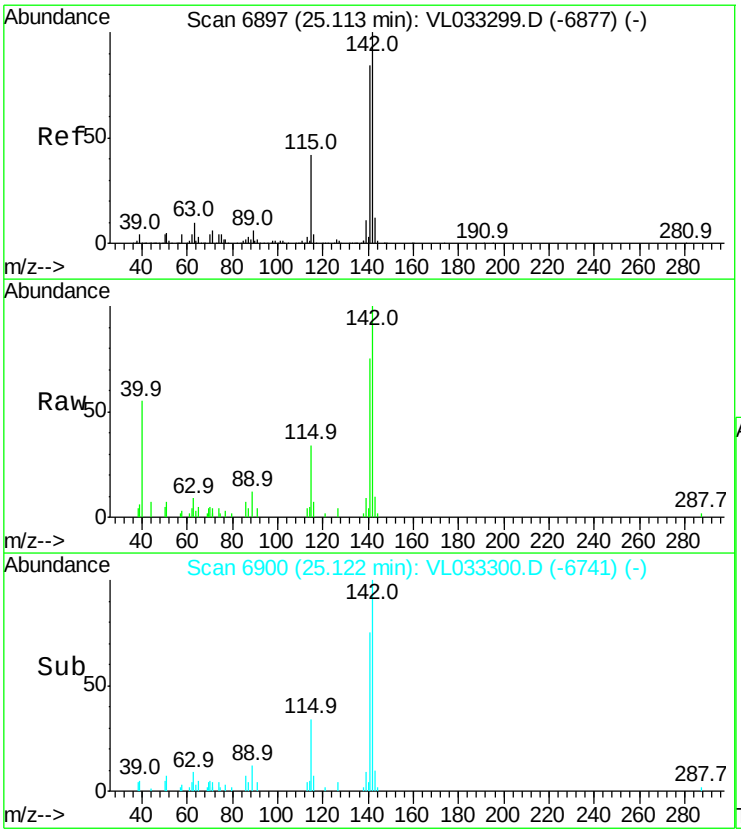
#79
Naphthalene
Concen: 0.644 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 174188

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.8	16.2
129	10.3	8.9	13.3

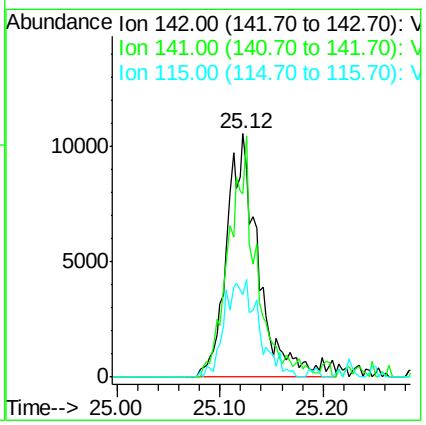


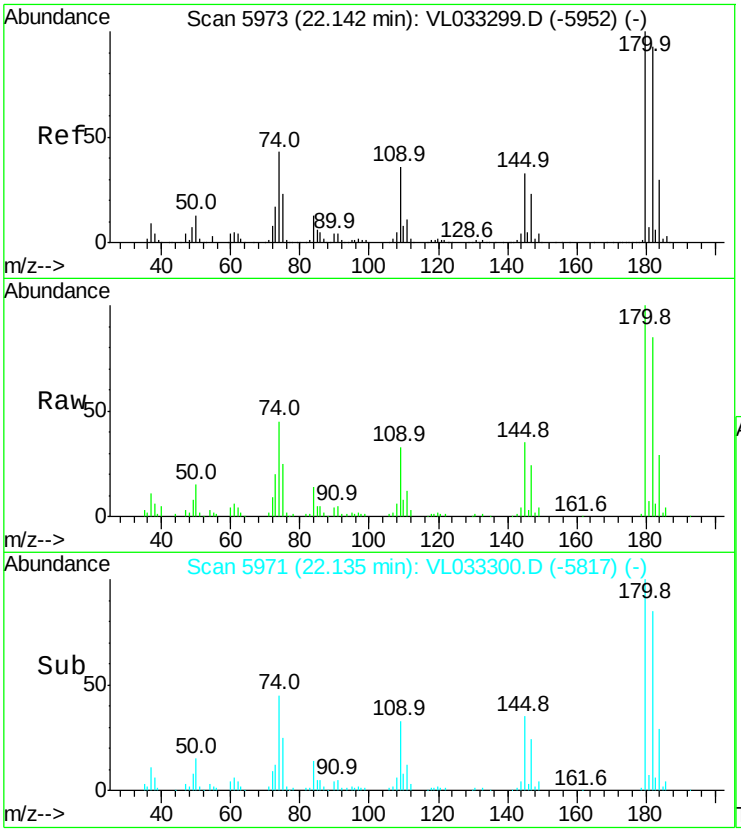


#80
Naphthalene,2-methyl-
Concen: 0.306 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Tgt Ion:142 Resp: 22682

Ion	Ratio	Lower	Upper
142	100		
141	85.0	67.2	100.8
115	43.0	33.6	50.4





#81
1,2,4-Trichlorobenzene
Concen: 0.916 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. -0.01 min
Lab File: VL033300.D
Acq: 13 Mar 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 130380

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.4	114.6#
184	50.3	24.6	36.8#