Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\

Quantitation Report (Not Reviewed)

Data File : VL034511.D
Acq On : 30 Dec 2019 11:43
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Dec 30 14:22:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 30 14:19:57 2019
QLast Update : Mon Dec 30 14:19:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1081809	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2160719	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2166952	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1786582	9.80	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	195883	1.001	ppbv	96
3) Chlorodifluoromethane	2.95	51	139956	1.037	ppbv	98
4) Chloromethane	3.11	50	82421	1.035	ppbv	89
5) Vinyl Chloride	3.23	62	72507	0.972	ppbv	95
6) Bromomethane	3.45	94	39641	1.056	ppbv	93
7) Chloroethane	3.53	64	28251	1.043	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	189643	1.079	ppbv	99
9) Propene	2.98	41	50389	0.841	ppbv	98
10) Heptane	8.14	43	129566	0.838	ppbv	97
11) Trichlorofluoromethane	3.93	101	216776	1.113	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.47	101	131701	1.018	ppbv	99
13) Ethanol	3.58	45	20747	1.243	ppbv	95
14) Bromoethene	3.72	108	53139	1.010	ppbv	97
15) Acetone	3.83	43	178398	1.152	ppbv	97
16) 1,3-Butadiene	3.30	39	65887	0.976	ppbv	94
17) tert-Butyl alcohol	4.28	59	51343	0.394	ppbv #	72
18) 1,1-Dichloroethene	4.28	96	58310	1.031	ppbv	94
19) Isopropyl Alcohol	3.95	45	117459	1.183	ppbv #	93
20) Methylene Chloride	4.33	84	39613	0.721	ppbv	96
21) Allyl Chloride	4.39	41	50807	0.547	ppbv #	18
22) trans-1,2-Dichloroethene	4.88	96	58719	1.029	ppbv	95
23) Vinyl Acetate	5.07	43	182751	0.903	ppbv	97
24) 1,1-Dichloroethane	5.00	63	157922	1.016	ppbv	99
25) Ethyl Acetate	5.68	43	261174	0.945	ppbv	99
26) Hexane	5.69	57	110751	0.932	ppbv	98
27) Carbon Disulfide	4.54	76	131565	1.017	ppbv	96
28) Methyl tert-Butyl Ether	5.03	73	179448	0.911	ppbv	99
29) Chloroform	5.75	83	195661	1.017	ppbv	98
30) Cyclohexane	7.15	84	72121	0.803	ppbv	95
31) cis-1,2-Dichloroethene	5.55	61	107750	0.878	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	91866	0.509	ppbv #	17
34) 2-Butanone	5.24	43	166281	0.935	ppbv	100
35) Carbon Tetrachloride	7.03	117	204243	1.099	ppbv	84
36) Benzene	6.91	78	197234	0.913	ppbv	95
37) 1,2-Dichloroethane	6.31	62	164847	1.027	ppbv	99
38) Trichloroethene	7.86	130	78606	0.887	ppbv	96
39) 1,2-Dichloropropane	7.63	63	83088	0.998	ppbv	91
40) 1,4-Dioxane	7.86	88	13795	0.380	ppbv #	1
41) Tetrahydrofuran	6.07	42	80166	0.804	ppbv	99
42) Bromodichloromethane	7.81	83	193137	0.962	ppbv	97
43) Methyl Methacrylate	8.03	69	77264	0.862	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\

Quantitation Report (Not Reviewed)

Data File : VL034511.D
Acq On : 30 Dec 2019 11:43
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Dec 30 14:22:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 30 14:19:57 2019
QLast Update : Mon Dec 30 14:19:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	374127	0.948	ppbv		98
45) t-1,3-Dichloropropene	9.31	75	87747	0.764	ppbv		96
46) cis-1,3-Dichloropropene	8.73	75	104775	0.812	ppbv		98
47) 1,1,2-Trichloroethane	9.50	97	46269	0.500	ppbv		97
48) Dibromochloromethane	10.34	129	151371	0.952	ppbv		100
49) Bromoform	13.09	173	55702	0.393	ppbv	#	27
50) 4-Methyl-2-Pentanone	8.77	43	235337	0.915	ppbv		98
51) 2-Hexanone	10.18	43	176653	0.820	ppbv	#	97
52) Tetrachloroethene	11.26	164	37574	0.402	ppbv		91
53) Toluene	9.84	91	208637	0.850	ppbv		99
54) 1,2-Dibromoethane	10.64	107	130619	0.920	ppbv		94
56) 1,1,1,2-Tetrachloroethane	12.18	131	39690	0.374	ppbv	#	1
57) Chlorobenzene	12.19	112	188389	0.962	ppbv		91
58) Ethyl Benzene	12.76	91	309011	0.919	ppbv		97
59) m/p-Xylene	13.04	91	197566	0.680	ppbv	#	1
60) o-Xylene	13.74	91	270656	0.942	ppbv		96
61) Styrene	13.58	104	177972	0.859	ppbv		99
62) Isopropylbenzene	14.72	105	355875	0.936	ppbv		96
63) 1,1,2,2-Tetrachloroethane	13.73	83	208268	0.964	ppbv		100
64) n-propylbenzene	15.62	120	89480	0.906	ppbv		84
65) tert-Butylbenzene	16.80	119	315213	0.923	ppbv		93
66) Benzyl Chloride	17.04	91	52752	0.402	ppbv	#	66
67) sec-Butylbenzene	17.35	105	465702	0.975	ppbv		95
69) p-Isopropyltoluene	17.70	119	369507	0.932	ppbv		99
70) n-Butylbenzene	18.61	91	400169	0.938	ppbv		96
71) 2-Chlorotoluene	15.51	91	278437	0.919	ppbv		98
72) 4-Ethyltoluene	15.89	105	293507	0.884	ppbv		99
73) 1,3,5-Trimethylbenzene	16.05	105	297815	0.916	ppbv		95
74) 1,2,4-Trimethylbenzene	16.82	105	324018	0.938	ppbv	#	88
75) 1,3-Dichlorobenzene	17.05	146	107924	0.544	ppbv	#	30
76) 1,4-Dichlorobenzene	17.20	146	173757	0.902	ppbv		97
77) 1,2-Dichlorobenzene	17.88	146	177924	0.928	ppbv		97
78) Hexachloro-1,3-Butadiene	23.44	225	174388	1.059	ppbv		97
79) Naphthalene	22.28	128	210278	0.702	ppbv	#	93
80) Naphthalene,2-methyl-	25.04	142	22509	0.167	ppbv	#	82
81) 1,2,4-Trichlorobenzene	22.00	180	65499	0.356	ppbv	#	9

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

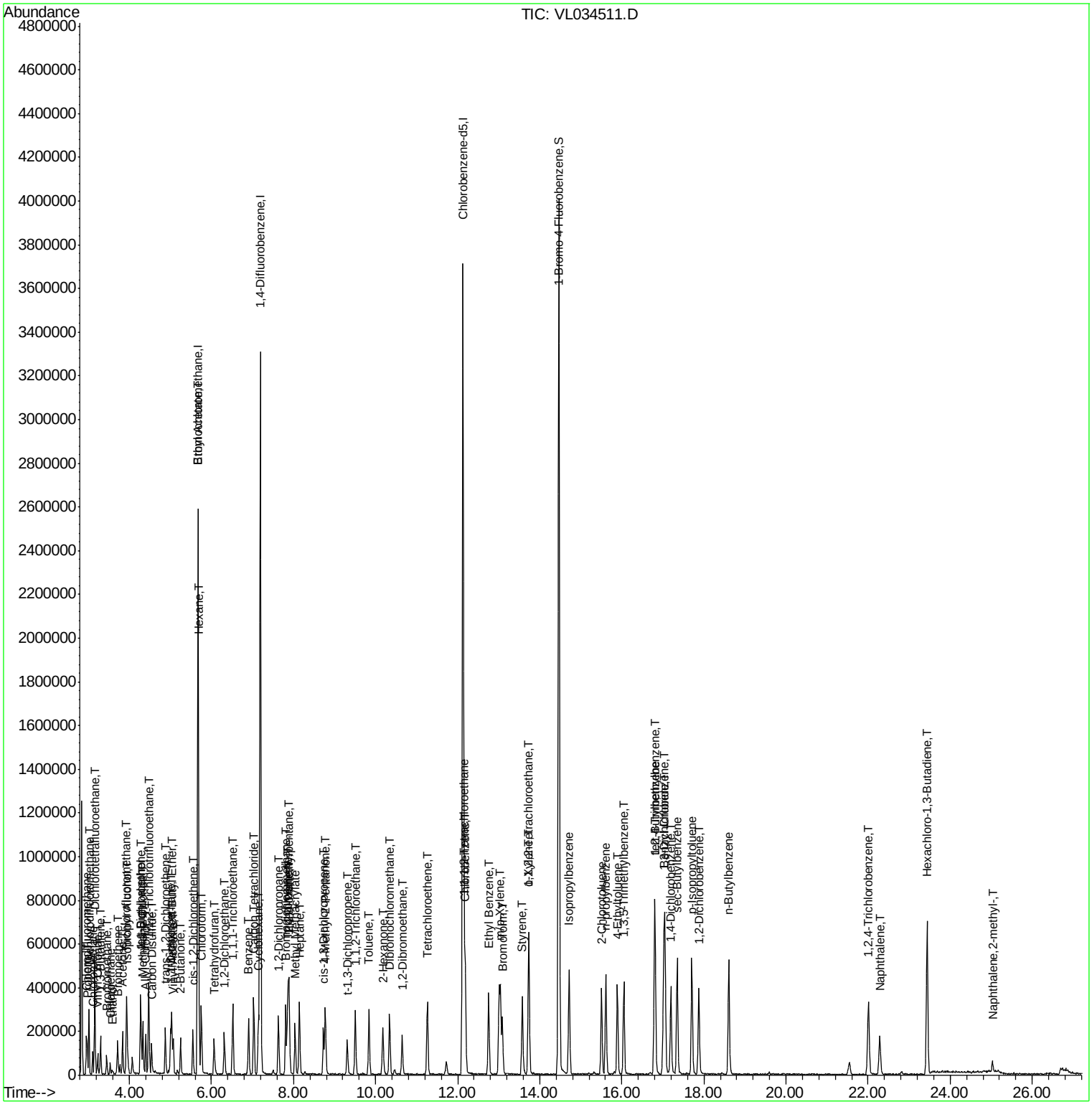
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\

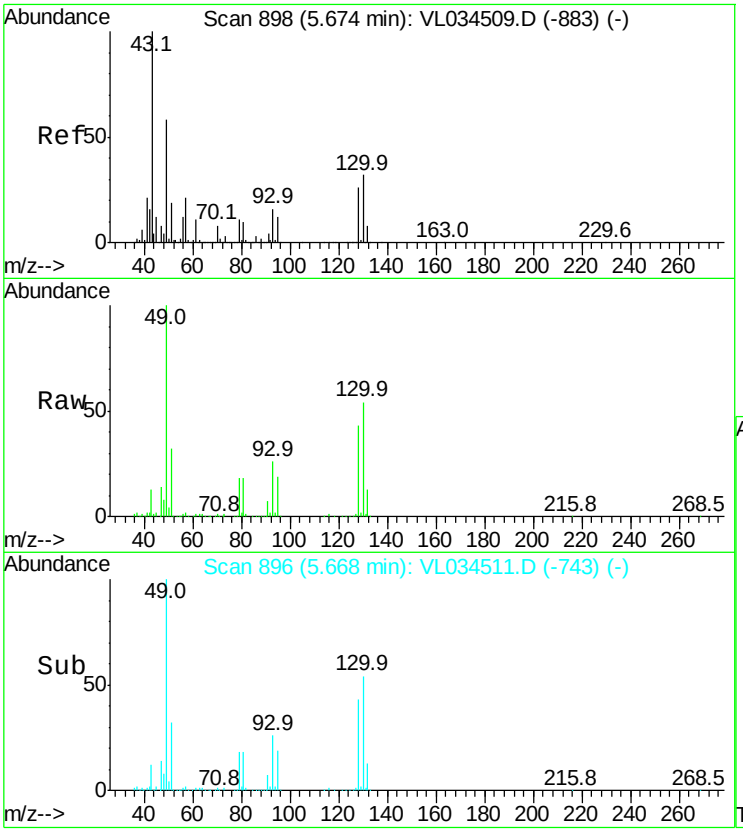
Quantitation Report (Not Reviewed)

Data File : VL034511.D
Acq On : 30 Dec 2019 11:43
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Dec 30 14:22:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 30 14:19:57 2019
QLast Update : Mon Dec 30 14:19:57 2019
Response via : Initial Calibration



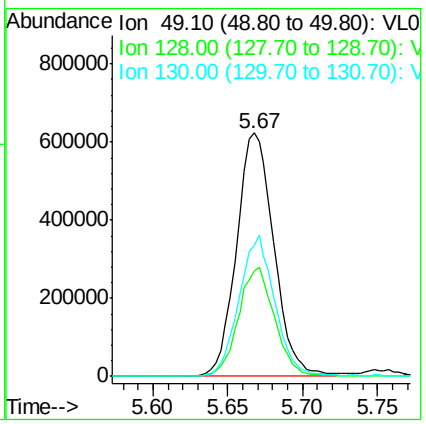


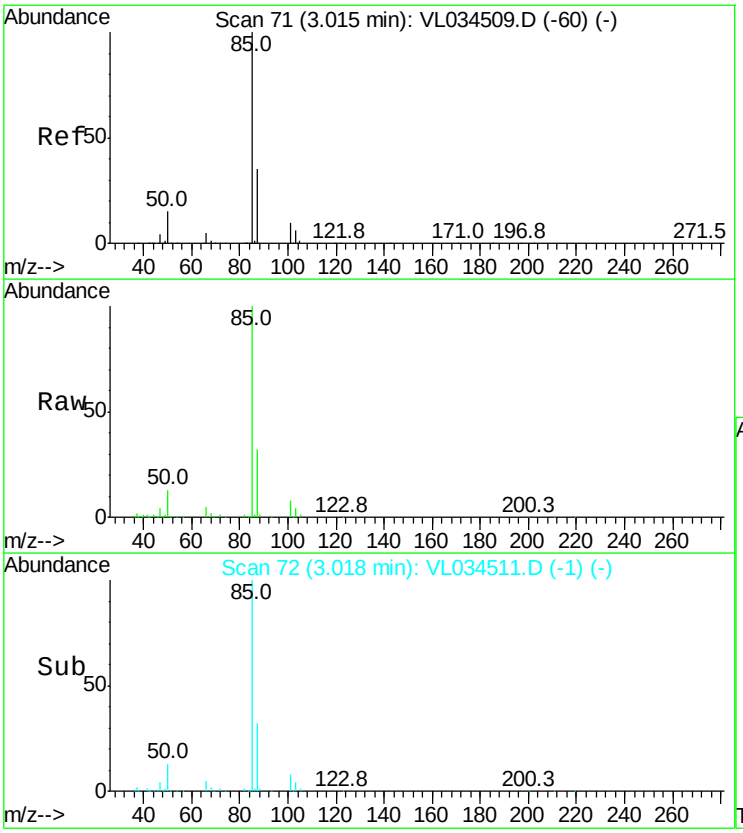
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 1081809

Ion	Ratio	Lower	Upper
49	100		
128	43.7	22.4	67.2
130	55.8	28.3	85.0

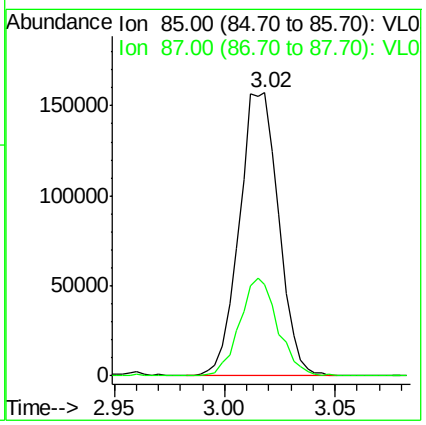


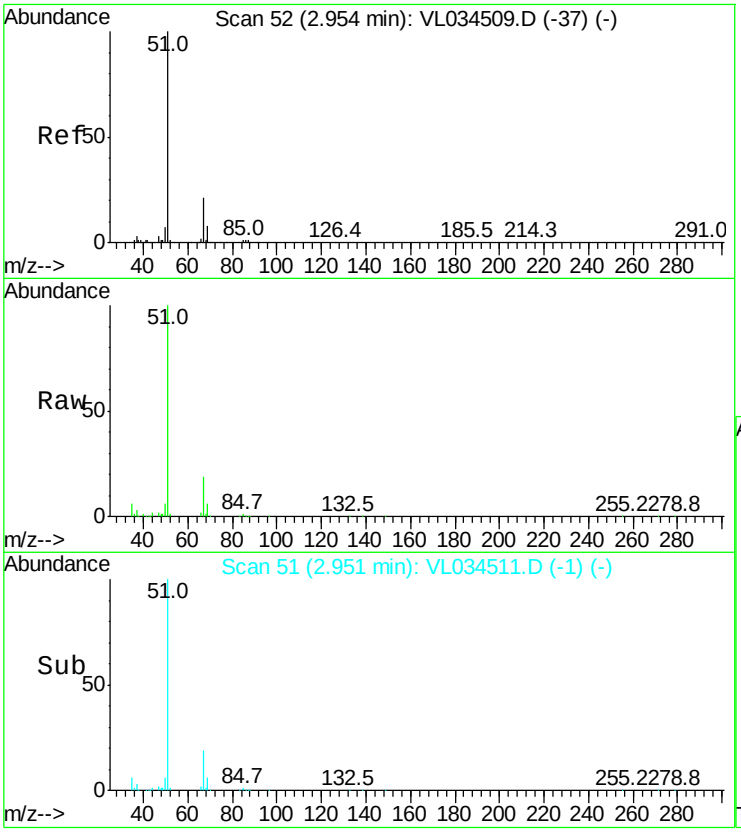


#2
Dichlorodifluoromethane
Concen: 1.001 ppbv
RT: 3.02 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 85 Resp: 195883

Ion	Ratio	Lower	Upper
85	100		
87	32.5	27.9	41.9



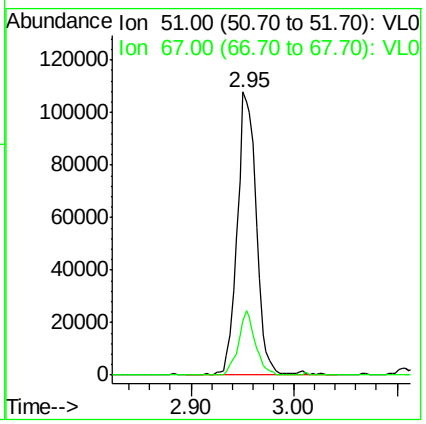


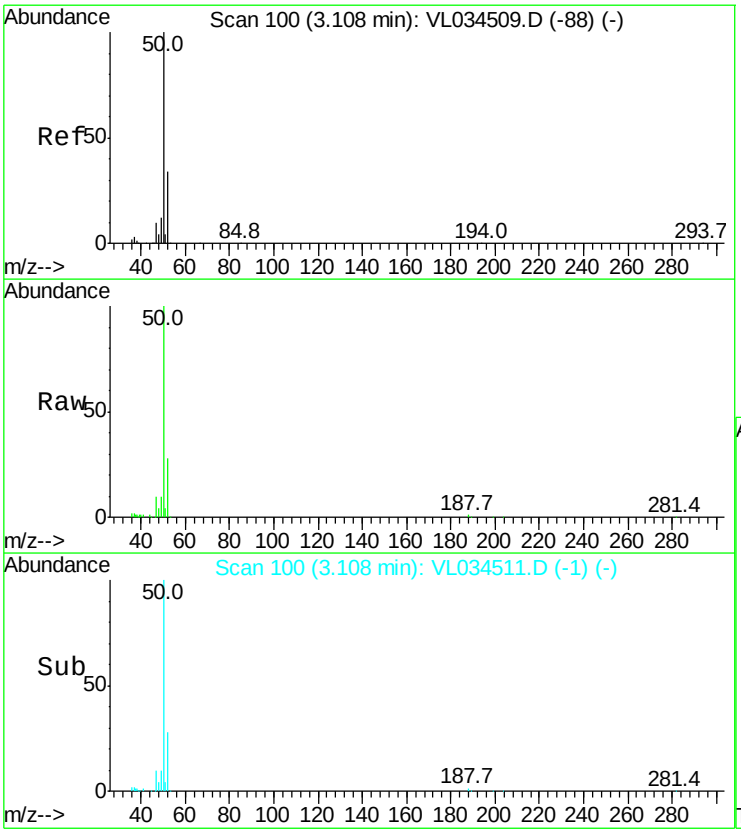
#3
Chlorodifluoromethane
Concen: 1.037 ppbv
RT: 2.95 min Scan# 51
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 139956

Ion	Ratio	Lower	Upper
51	100		
67	19.9	16.8	25.2

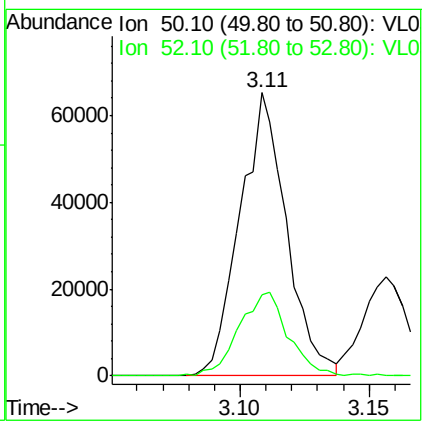


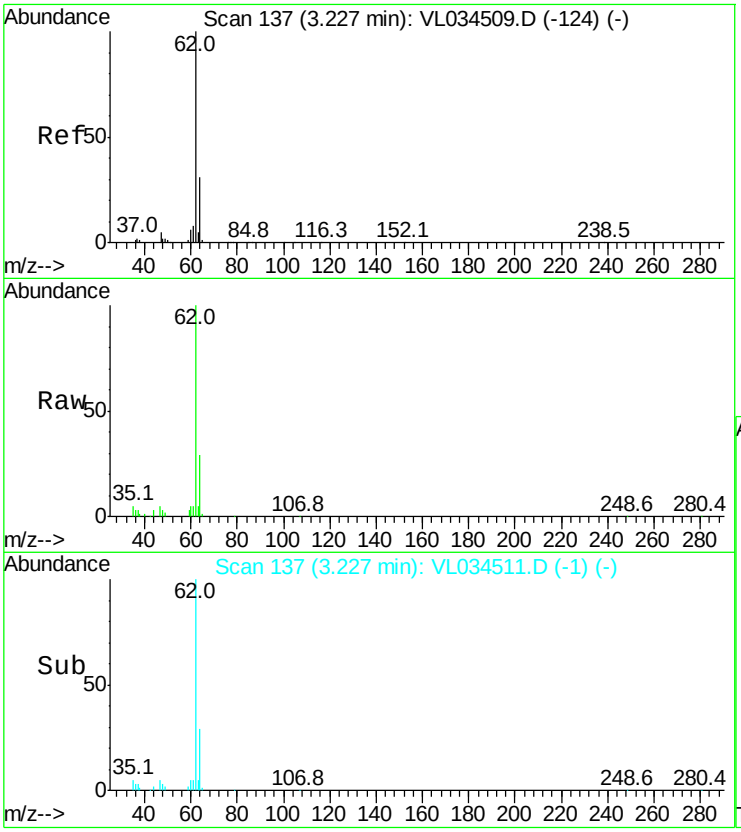


#4
Chloromethane
Concen: 1.035 ppbv
RT: 3.11 min Scan# 100
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 50 Resp: 82421

Ion	Ratio	Lower	Upper
50	100		
52	27.9	27.6	41.4



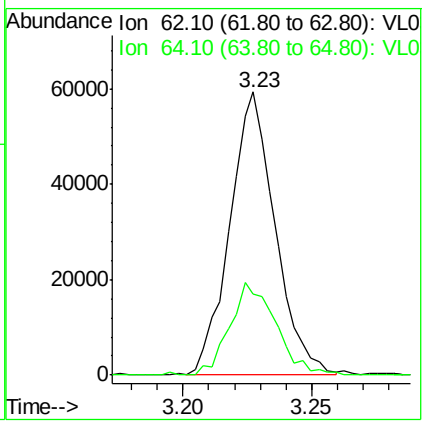


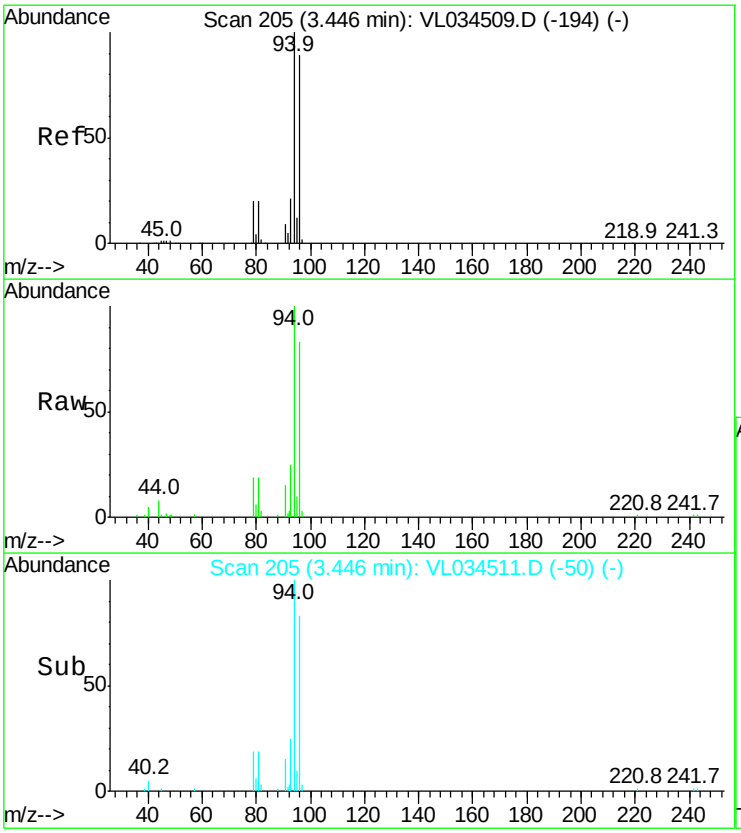
#5
Vinyl Chloride
Concen: 0.972 ppbv
RT: 3.23 min Scan# 137
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 72507

Ion	Ratio	Lower	Upper
62	100		
64	28.5	24.9	37.3

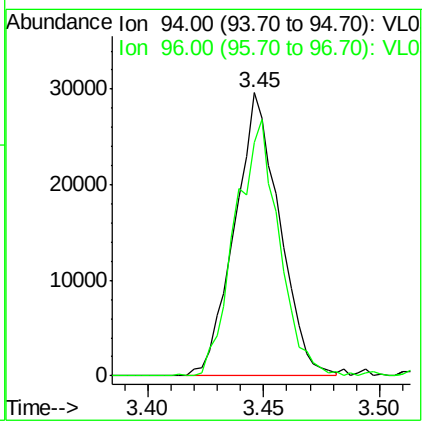


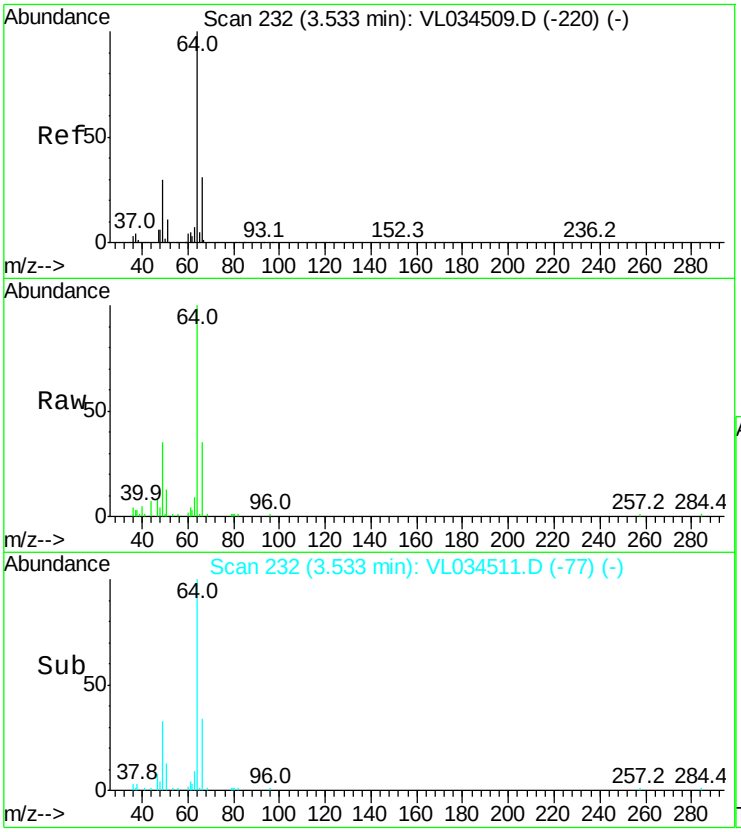


#6
Bromomethane
Concen: 1.056 ppbv
RT: 3.45 min Scan# 205
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 94 Resp: 39641

Ion	Ratio	Lower	Upper
94	100		
96	82.7	71.2	106.8



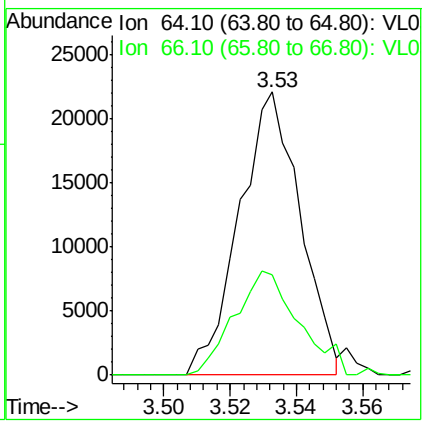


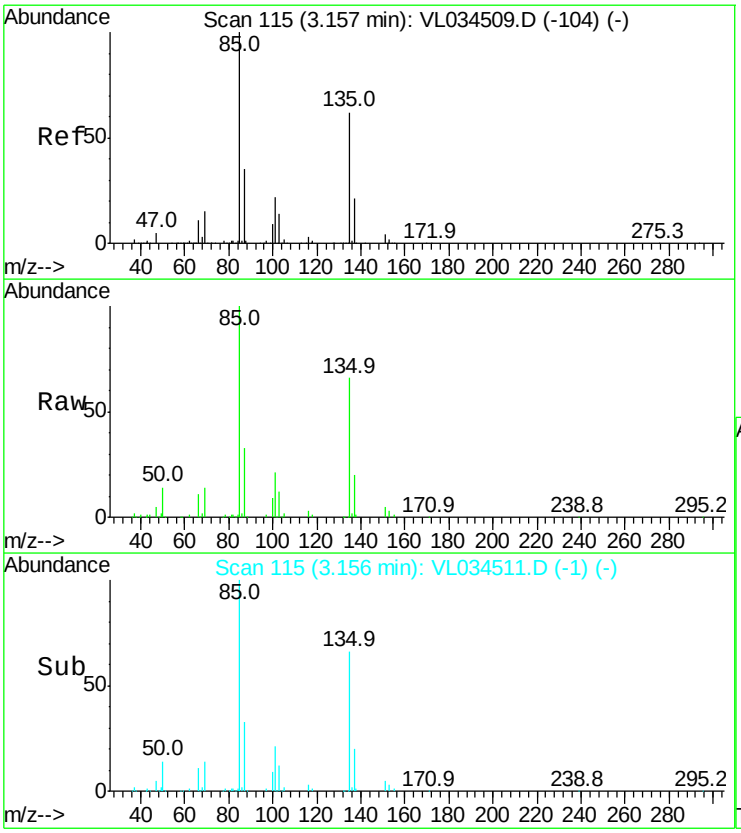
#7
Chloroethane
Concen: 1.043 ppbv
RT: 3.53 min Scan# 232
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 64 Resp: 28251

Ion	Ratio	Lower	Upper
64	100		
66	35.3	25.0	37.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

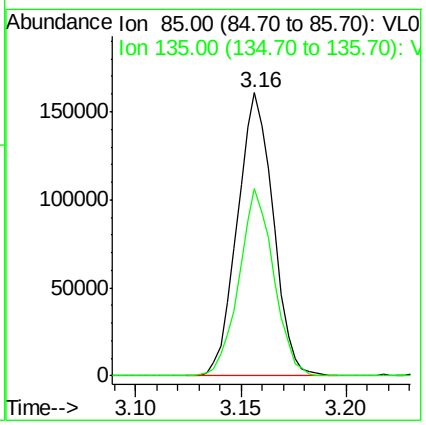


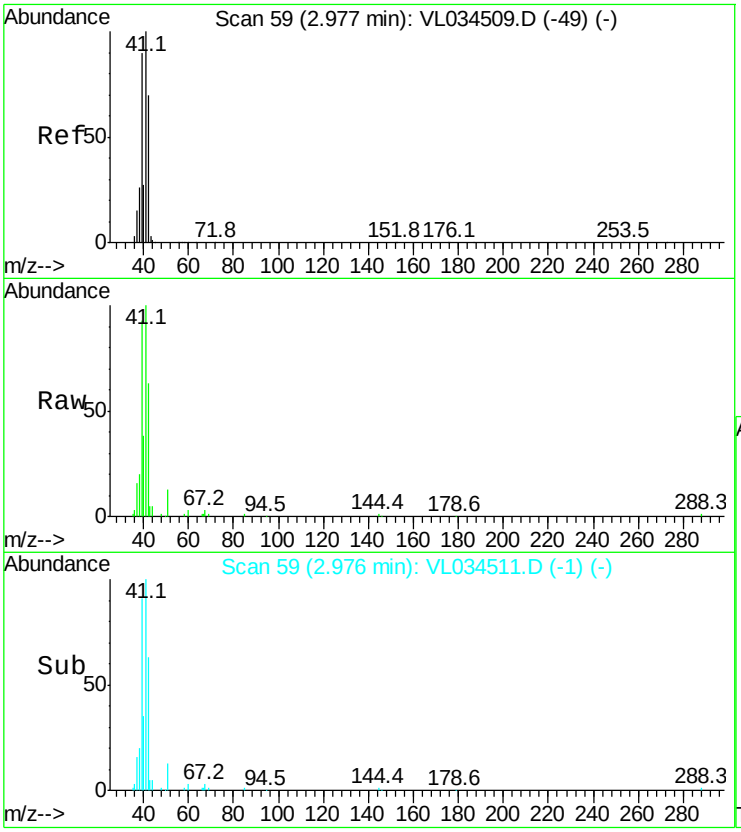


#8
Dichlorotetrafluoroethane
Concen: 1.079 ppbv
RT: 3.16 min Scan# 115
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 85 Resp: 189643

Ion	Ratio	Lower	Upper
85	100		
135	63.9	51.8	77.8



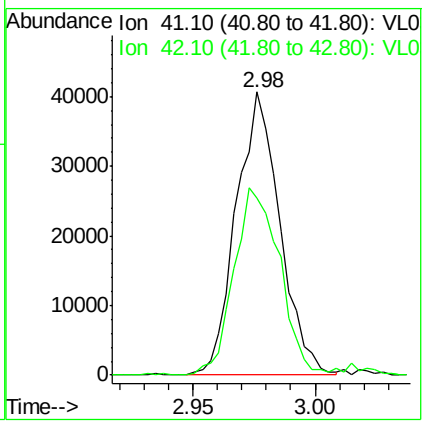


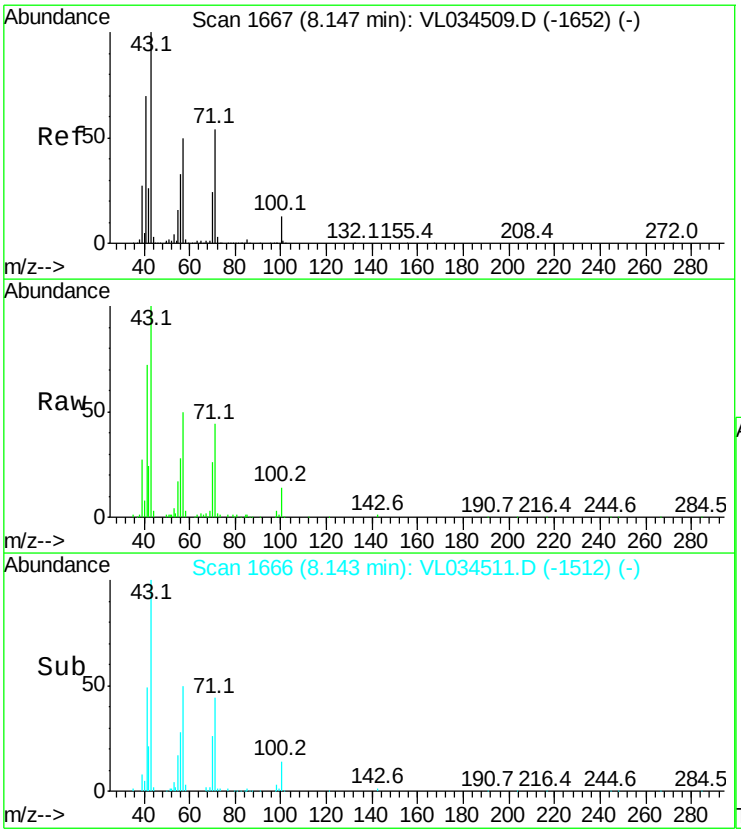
#9
Propene
Concen: 0.841 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 50389

Ion	Ratio	Lower	Upper
41	100		
42	71.3	55.8	83.6

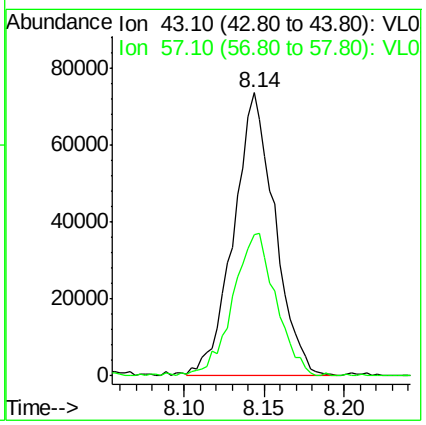


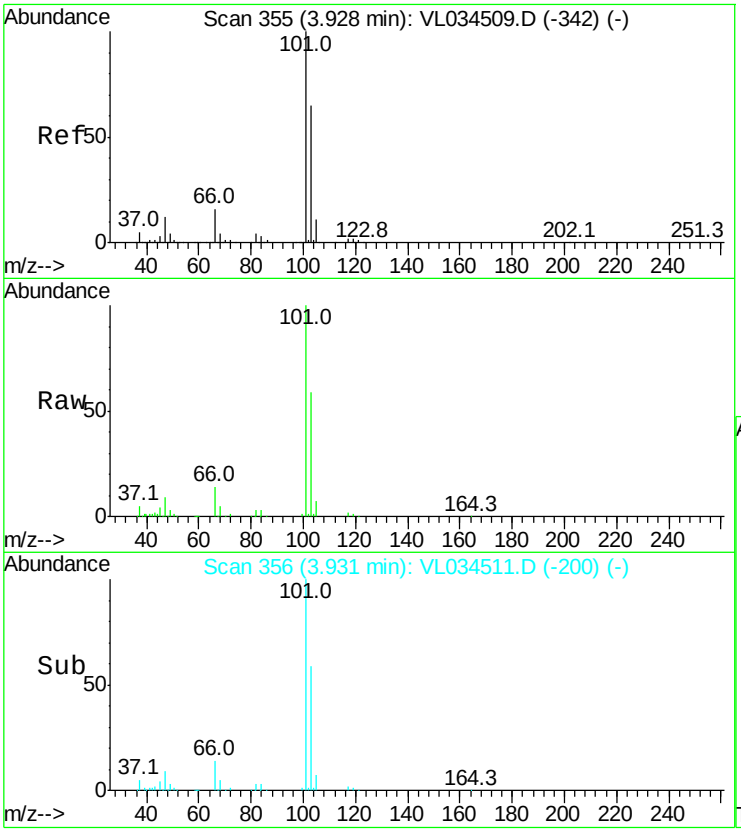


#10
Heptane
Concen: 0.838 ppbv
RT: 8.14 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 43 Resp: 129566

Ion	Ratio	Lower	Upper
43	100		
57	53.2	41.0	61.6



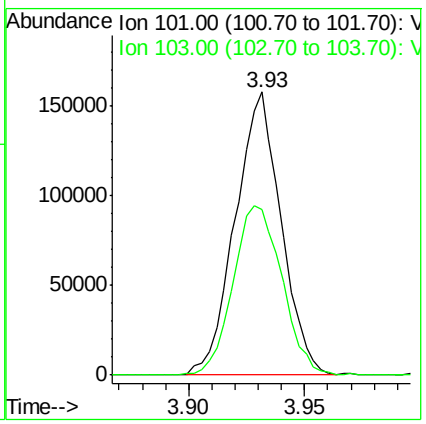


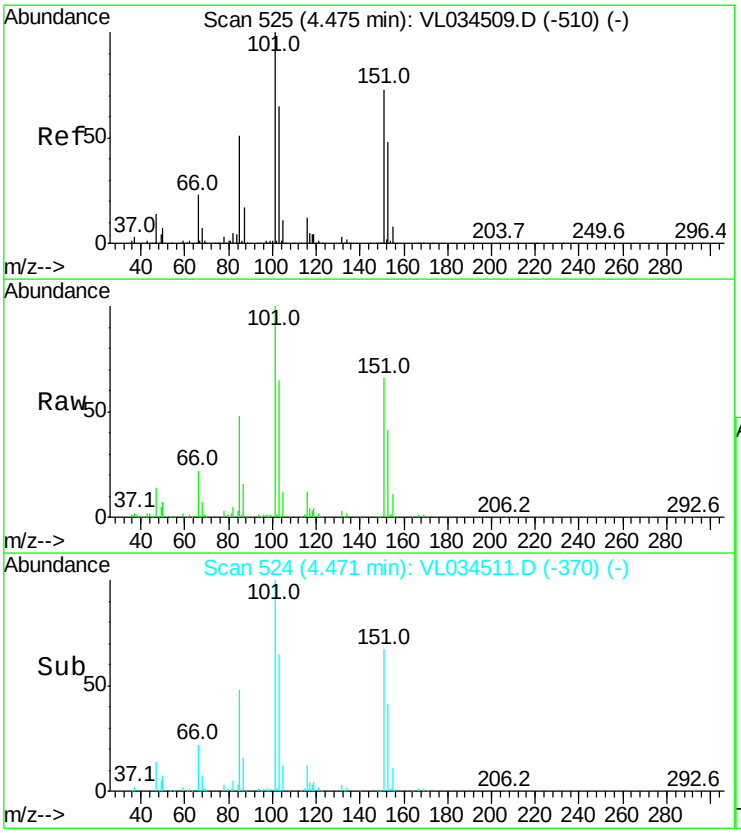
#11
Trichlorofluoromethane
Concen: 1.113 ppbv
RT: 3.93 min Scan# 356
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 216776

Ion	Ratio	Lower	Upper
101	100		
103	58.5	52.1	78.1

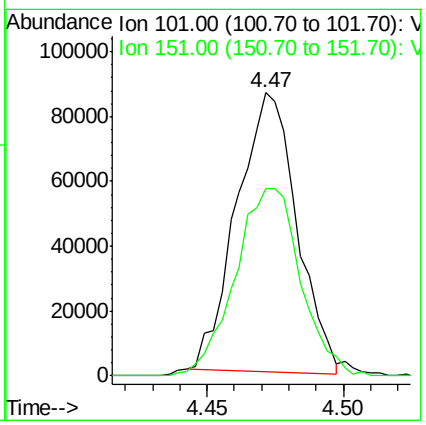


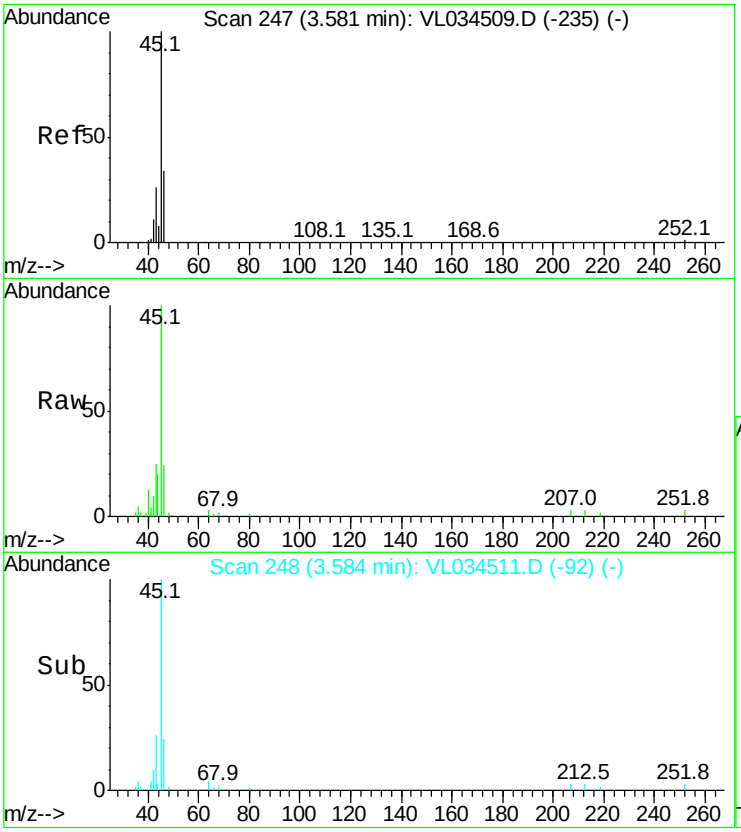


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.018 ppbv
RT: 4.47 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:101 Resp: 131701

Ion	Ratio	Lower	Upper
101	100		
151	73.2	57.8	86.6



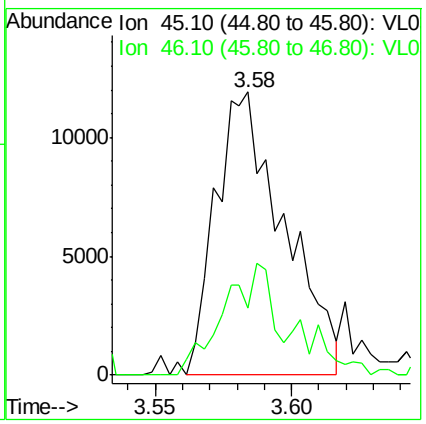


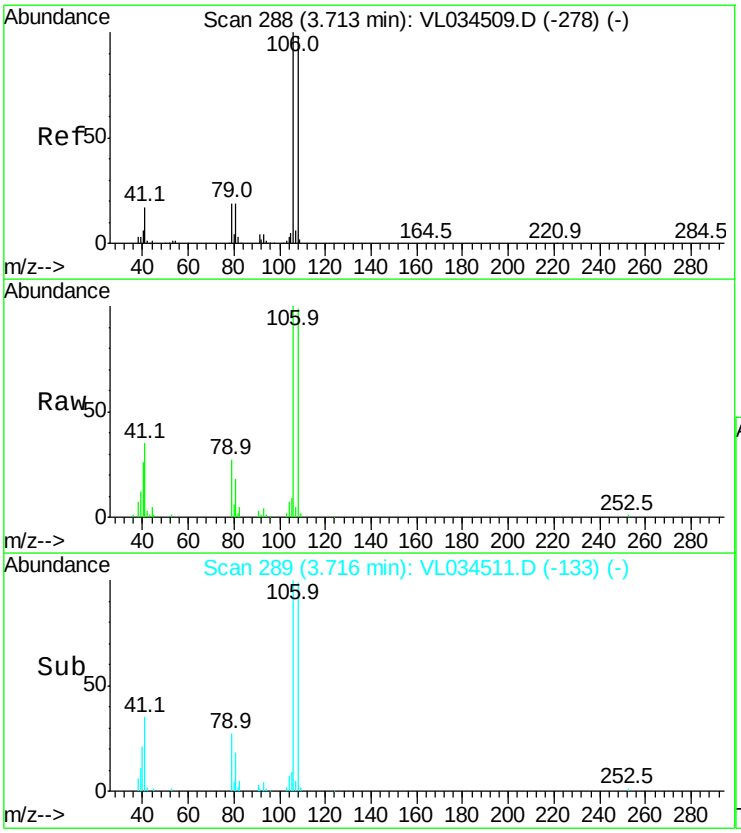
#13
Ethanol
Concen: 1.243 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 20747

Ion	Ratio	Lower	Upper
45	100		
46	40.1	14.9	59.7

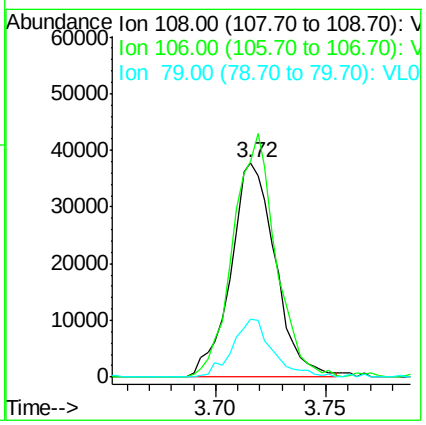


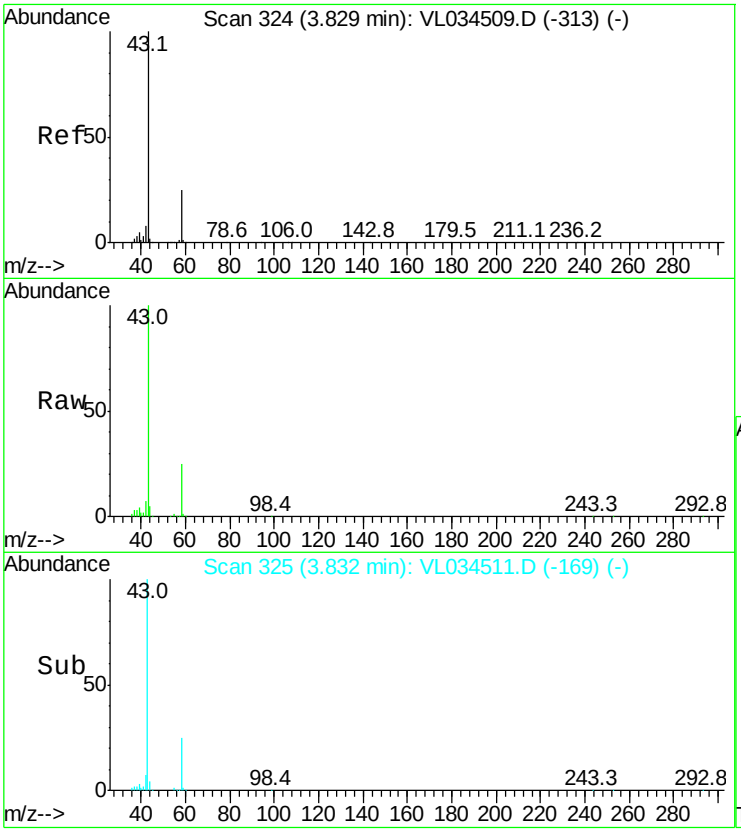


#14
Bromoethene
Concen: 1.010 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:108 Resp: 53139

Ion	Ratio	Lower	Upper
108	100		
106	109.5	85.2	127.8
79	24.3	17.4	26.2



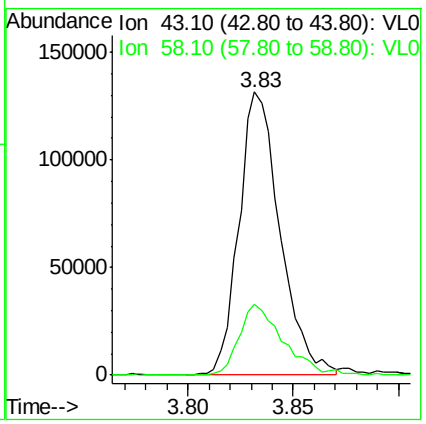


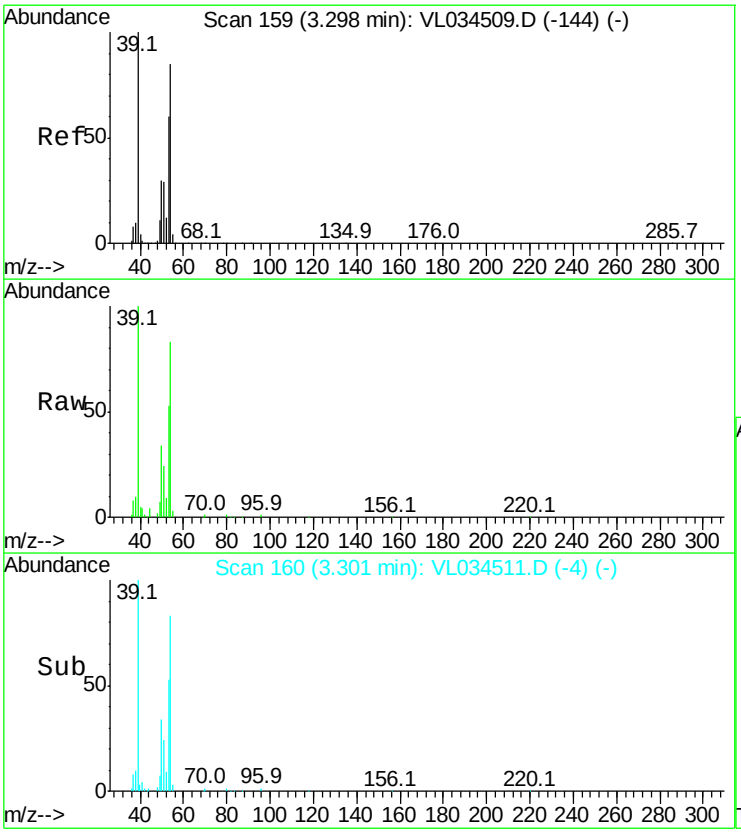
#15
Acetone
Concen: 1.152 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 178398

Ion	Ratio	Lower	Upper
43	100		
58	27.0	20.4	30.6

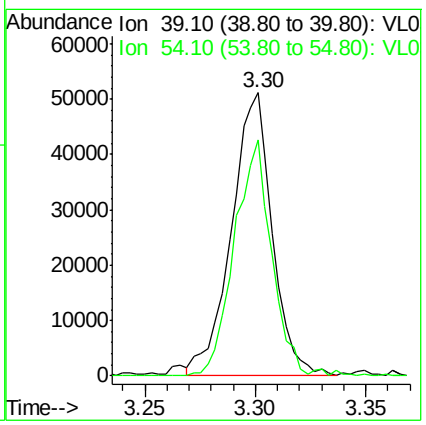


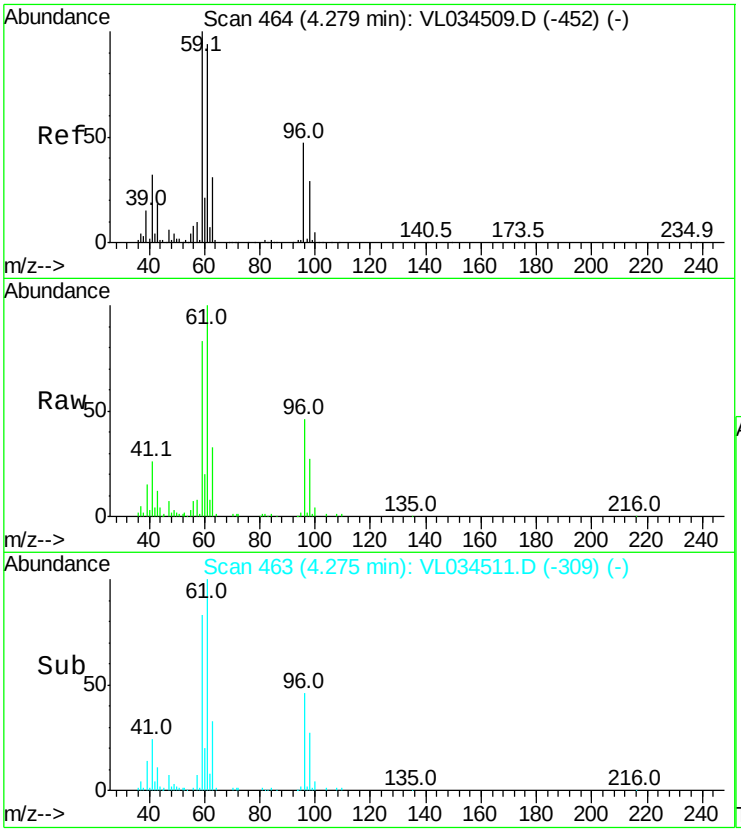


#16
1,3-Butadiene
Concen: 0.976 ppbv
RT: 3.30 min Scan# 160
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 39 Resp: 65887

Ion	Ratio	Lower	Upper
39	100		
54	76.9	66.2	99.2



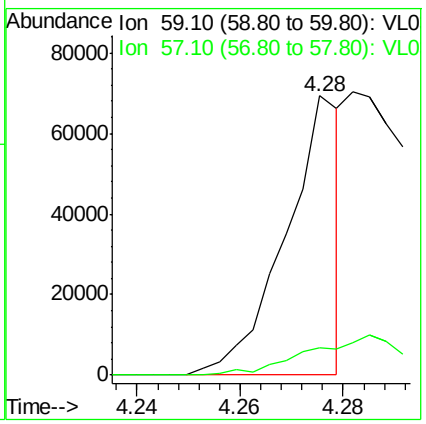


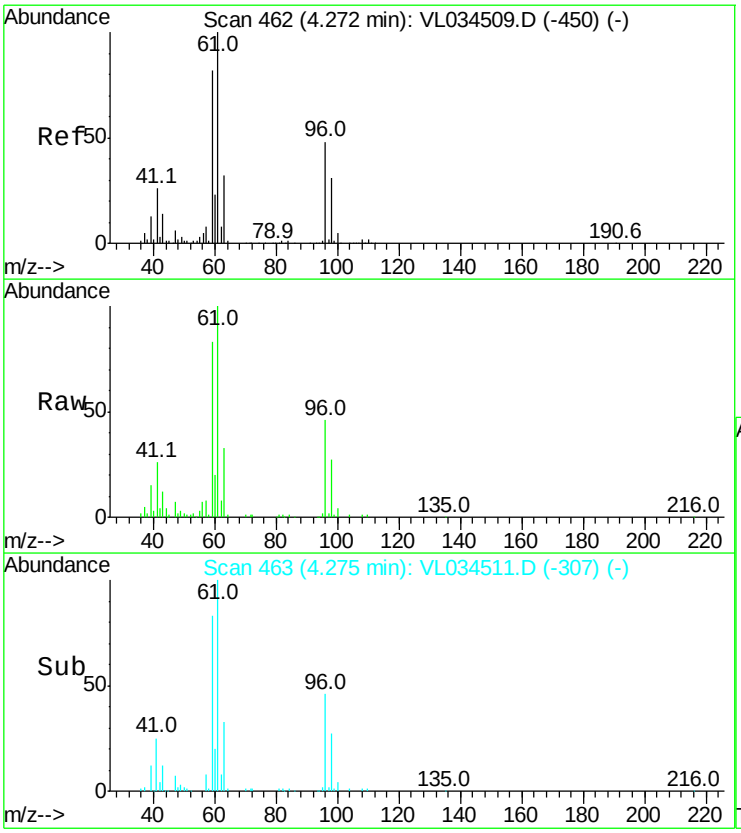
#17
tert-Butyl alcohol
Concen: 0.394 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 51343

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

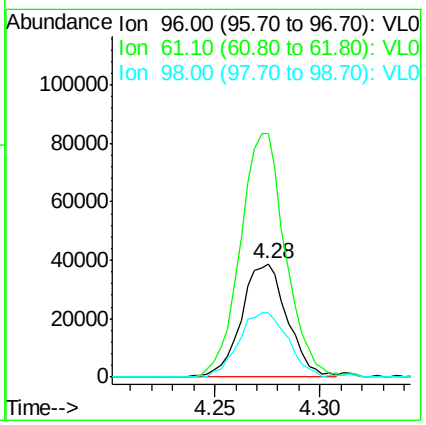


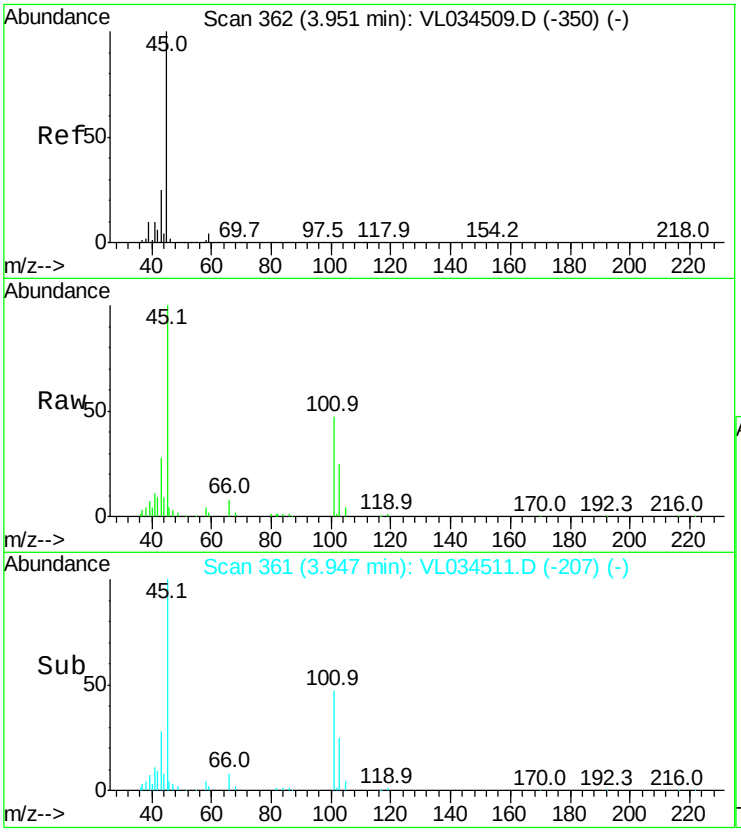


#18
1,1-Dichloroethene
Concen: 1.031 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 96 Resp: 58310

Ion	Ratio	Lower	Upper
96	100		
61	215.1	165.9	248.9
98	56.9	51.9	77.9



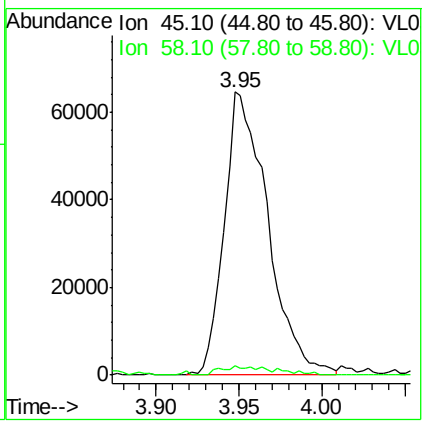


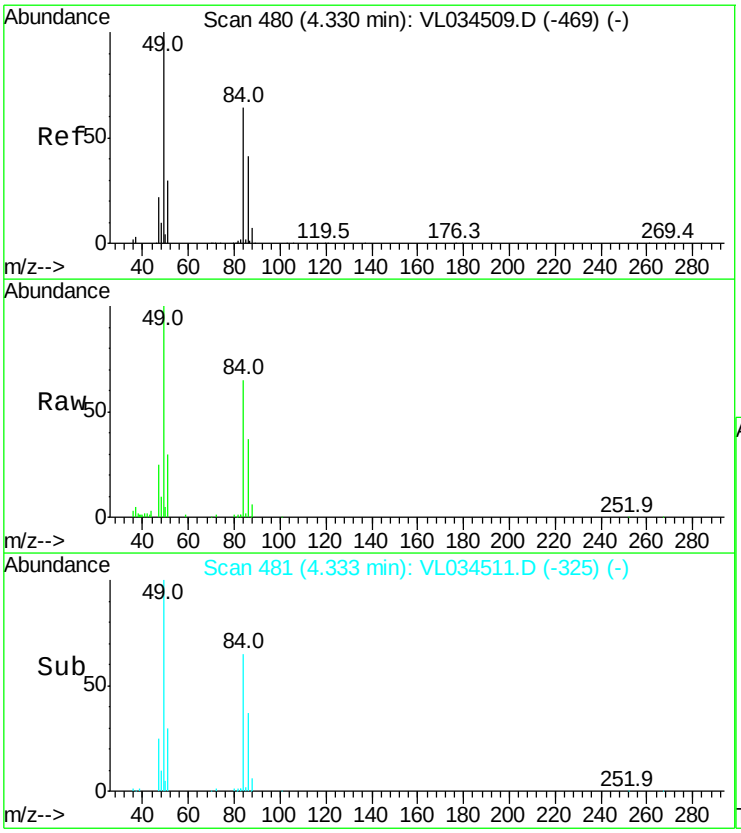
#19
Isopropyl Alcohol
Concen: 1.183 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 117459

Ion	Ratio	Lower	Upper
45	100		
58	4.3	1.4	2.0#

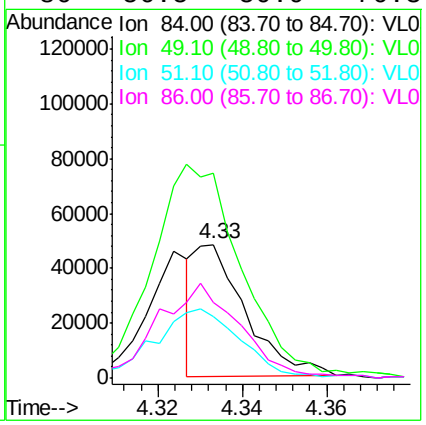


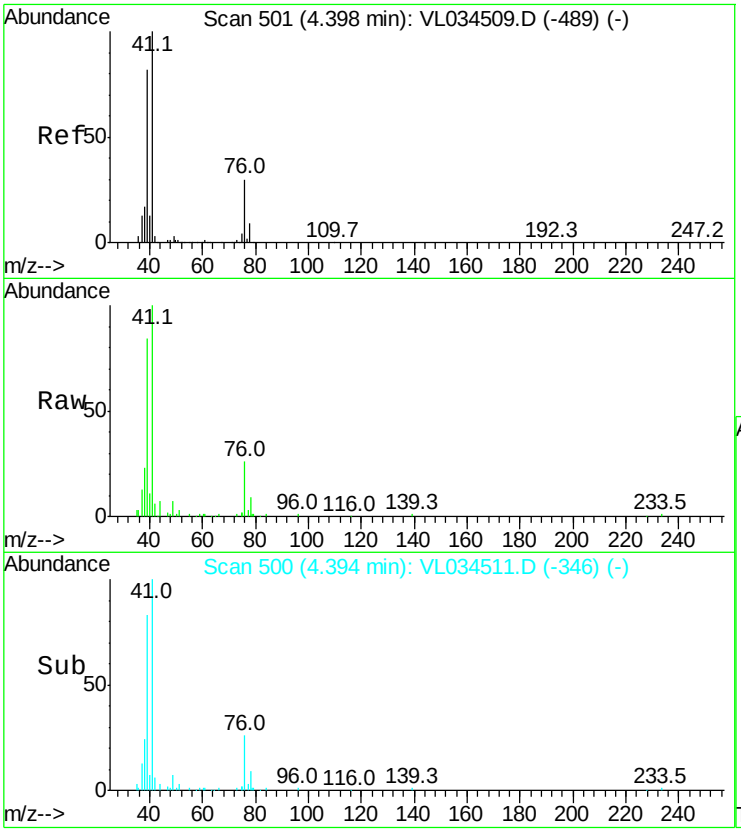


#20
Methylene Chloride
Concen: 0.721 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 84 Resp: 39613

Ion	Ratio	Lower	Upper
84	100		
49	151.5	124.4	186.6
51	45.0	37.0	55.6
86	56.5	50.9	76.3



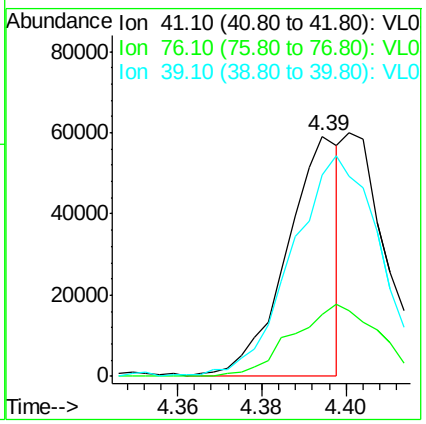


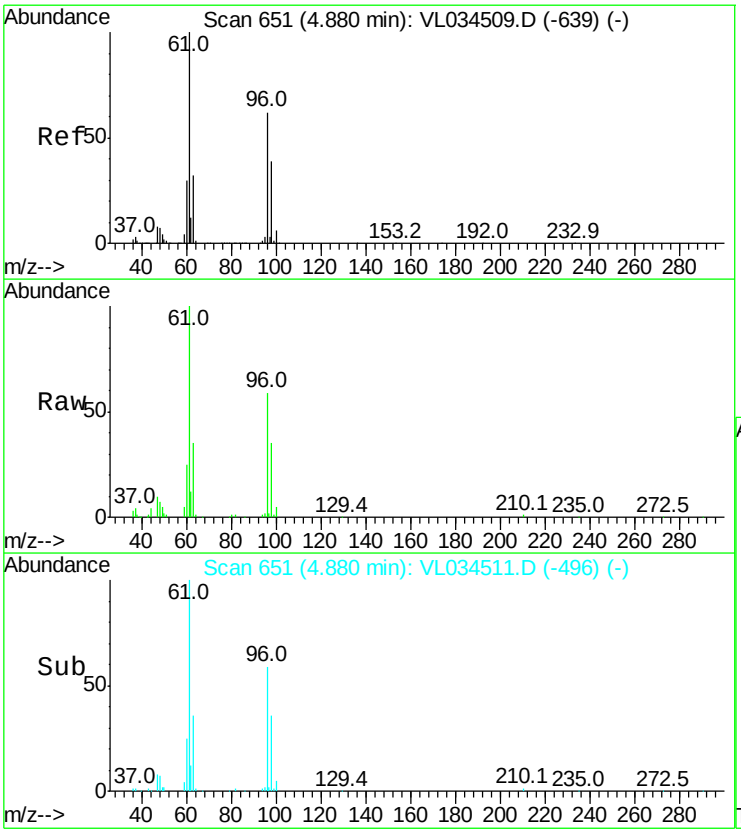
#21
Allyl Chloride
Concen: 0.547 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 41 Resp: 50807

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.4#
39	0.0	65.8	98.6#

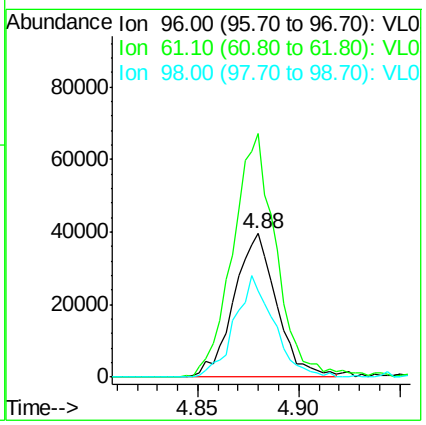


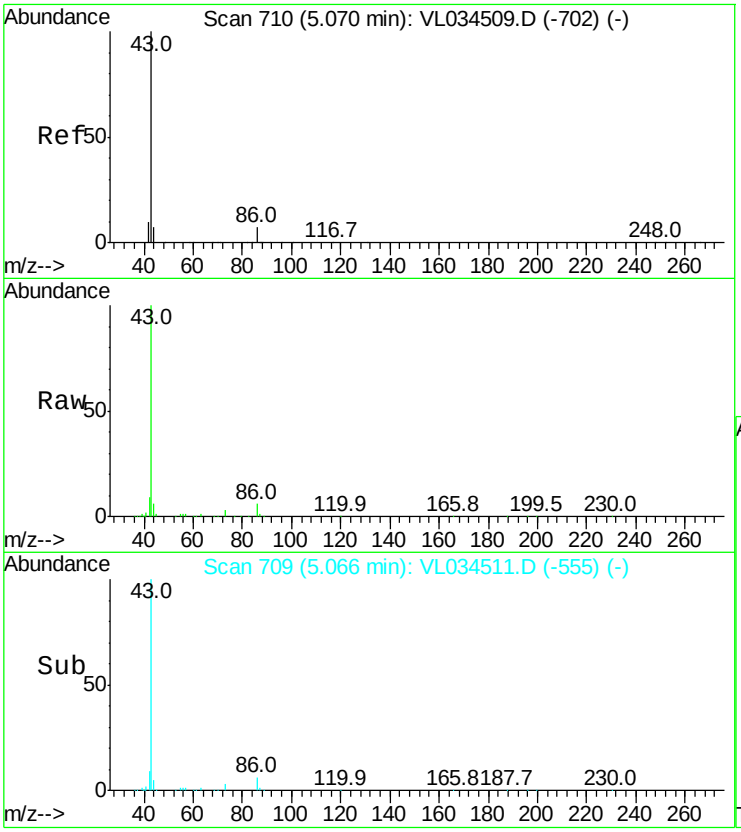


#22
trans-1,2-Dichloroethene
Concen: 1.029 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 96 Resp: 58719

Ion	Ratio	Lower	Upper
96	100		
61	168.2	128.4	192.6
98	59.9	50.6	75.8



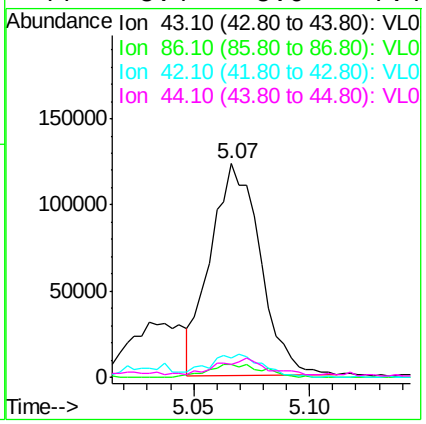


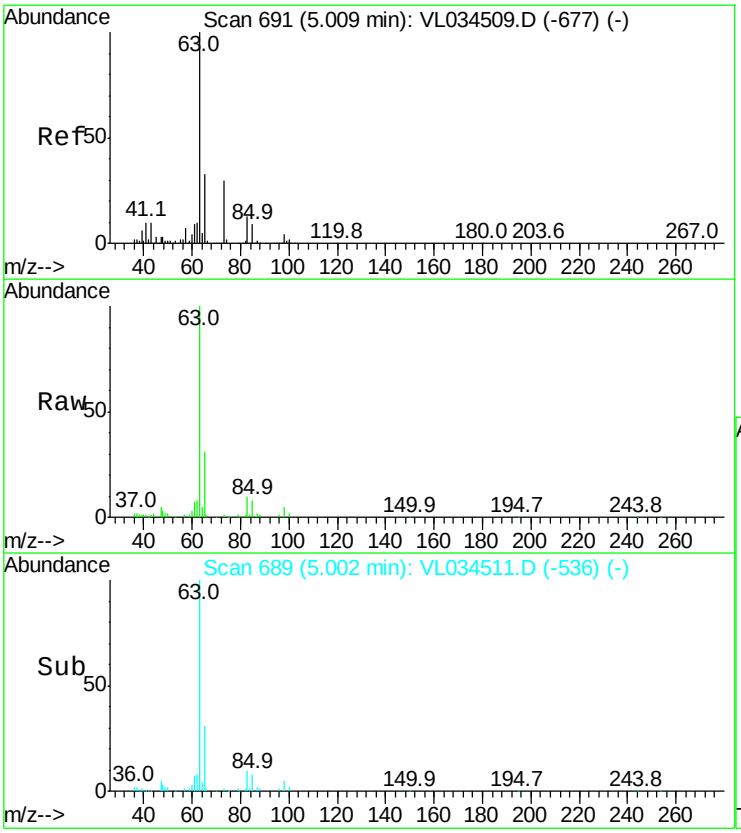
#23
Vinyl Acetate
Concen: 0.903 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 182751

Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.4	8.2
42	9.2	8.9	13.3
44	5.4	5.0	7.4

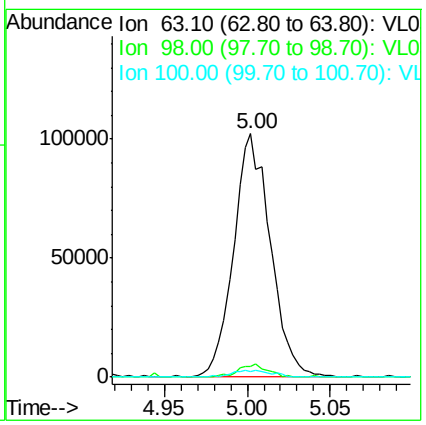


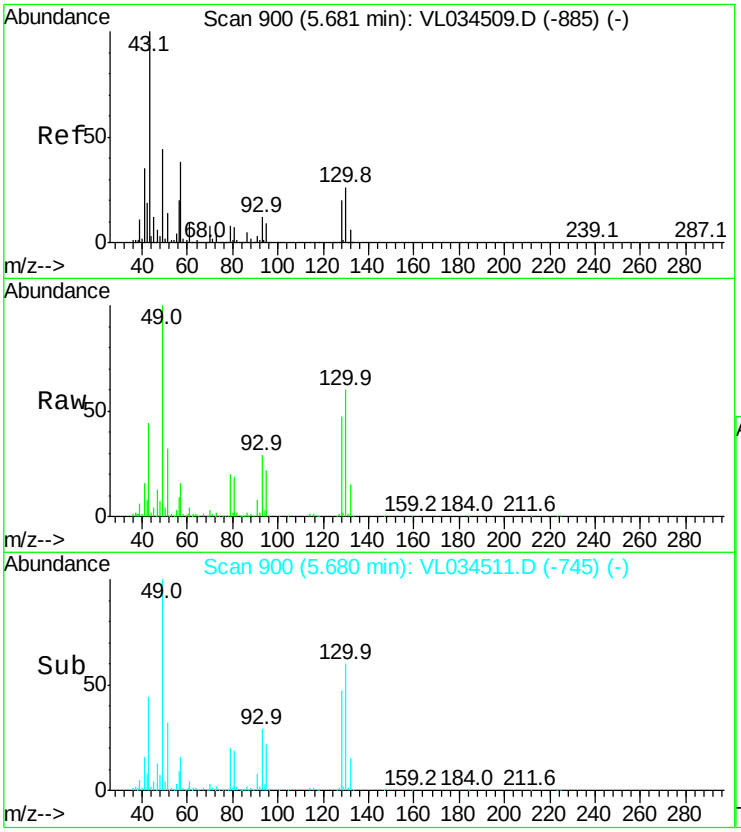


#24
1,1-Dichloroethane
Concen: 1.016 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 63 Resp: 157922

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.3
100	2.0	1.1	3.3



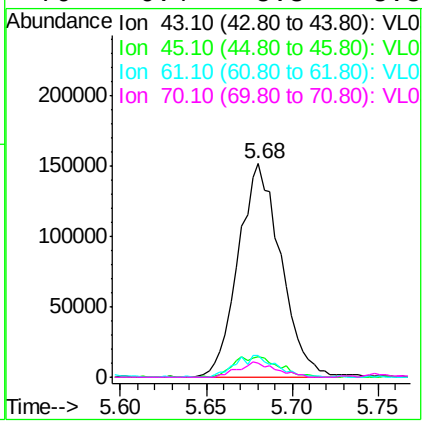


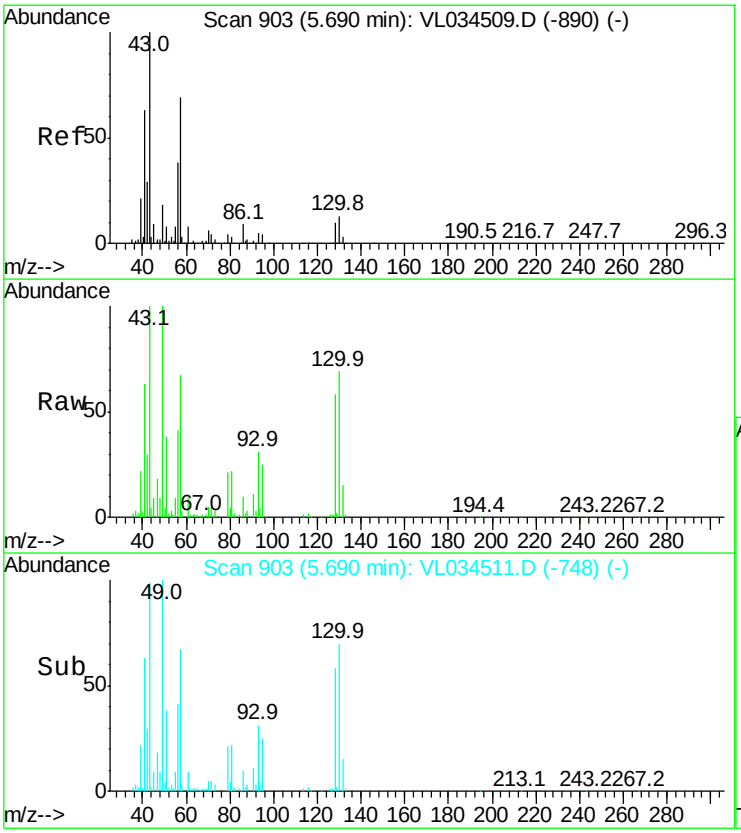
#25
Ethyl Acetate
Concen: 0.945 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 261174

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	10.2	7.8	11.6
70	6.4	5.8	8.8

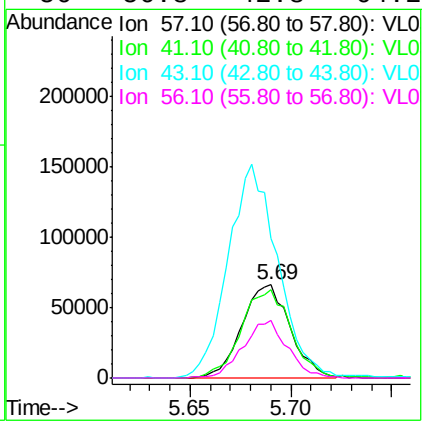


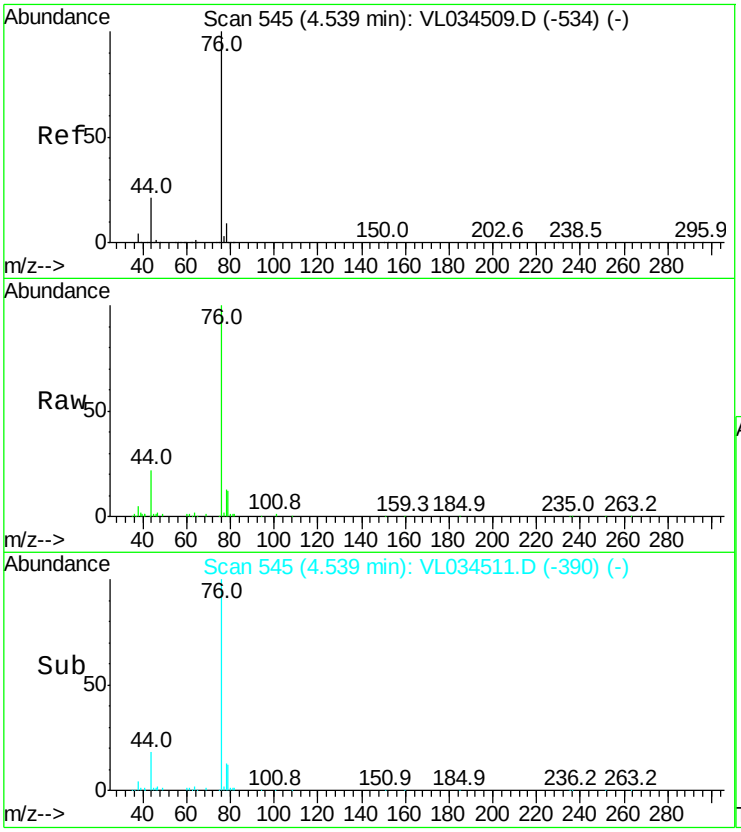


#26
Hexane
Concen: 0.932 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 57 Resp: 110751

Ion	Ratio	Lower	Upper
57	100		
41	98.5	75.3	112.9
43	236.2	189.4	284.2
56	56.8	42.8	64.2



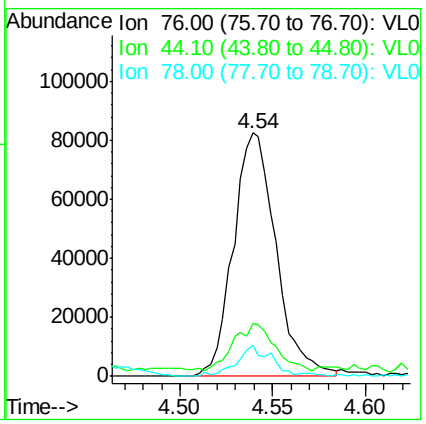


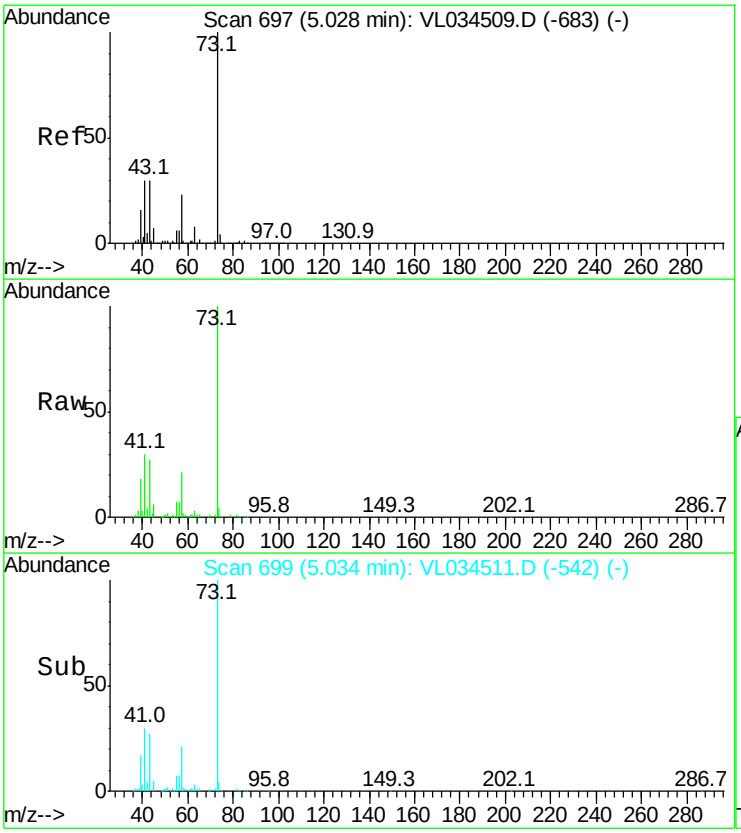
#27
Carbon Disulfide
Concen: 1.017 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 131565

Ion	Ratio	Lower	Upper
76	100		
44	22.7	16.6	25.0
78	10.9	7.4	11.0

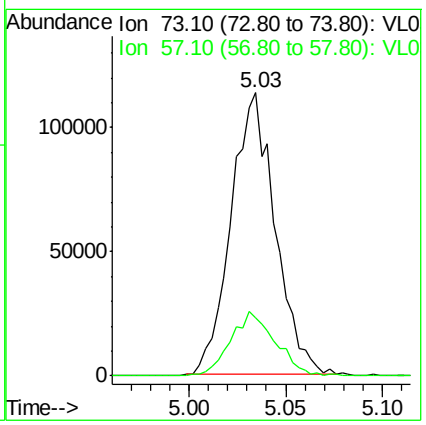


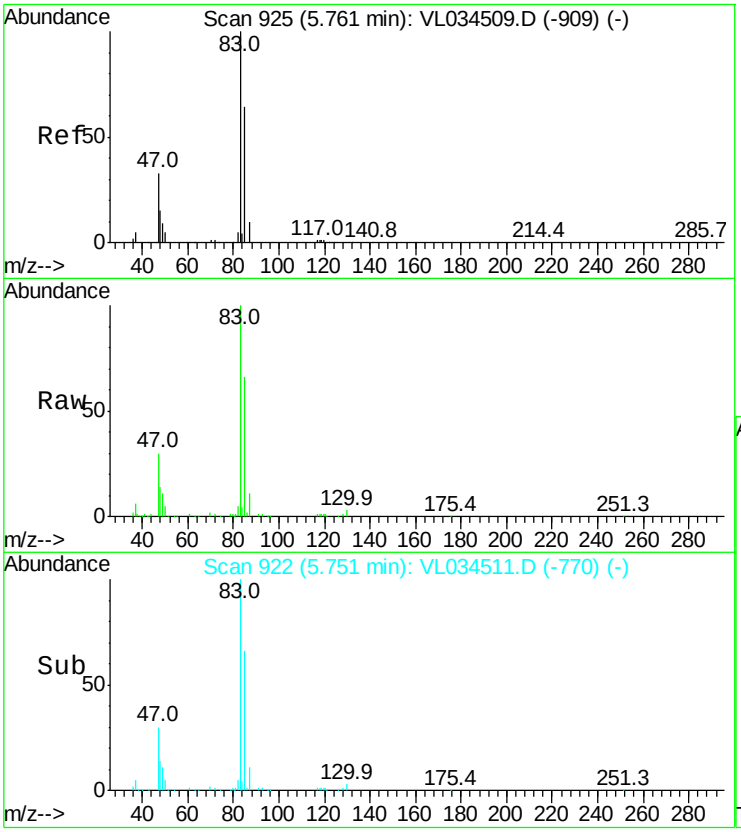


#28
Methyl tert-Butyl Ether
Concen: 0.911 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 73 Resp: 179448

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.2	27.2



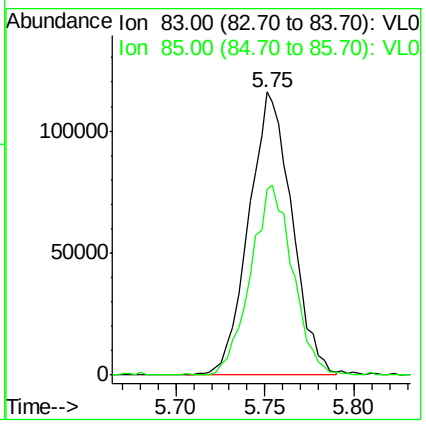


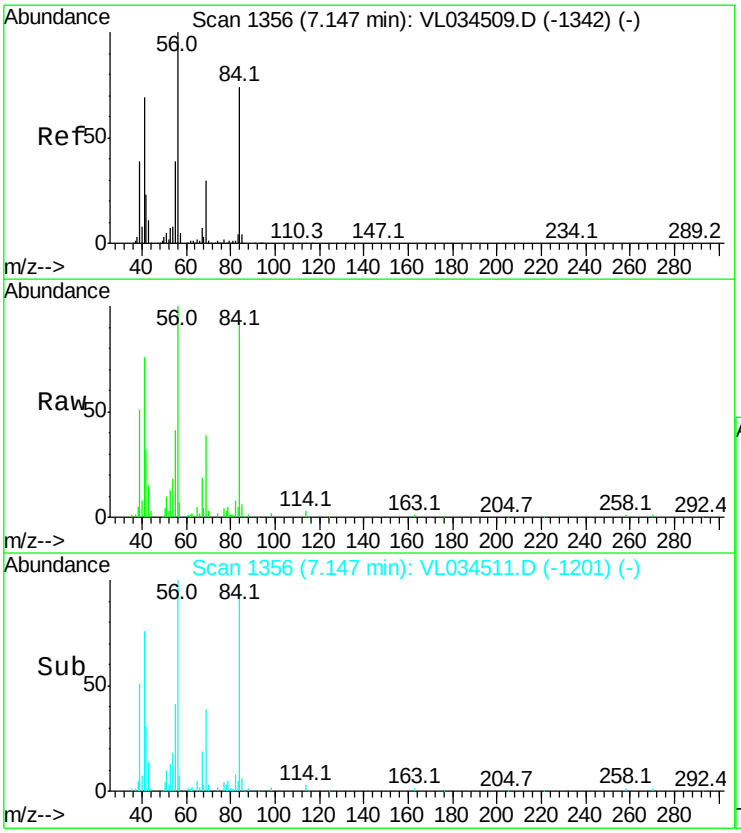
#29
Chloroform
Concen: 1.017 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 195661

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.0	76.6

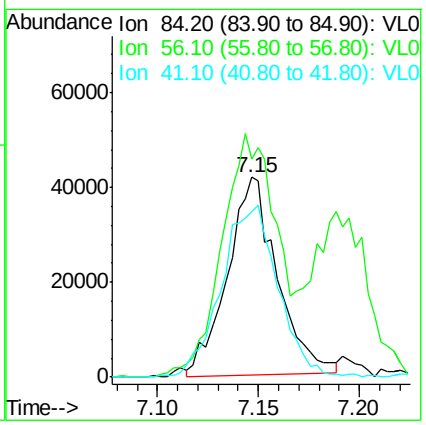


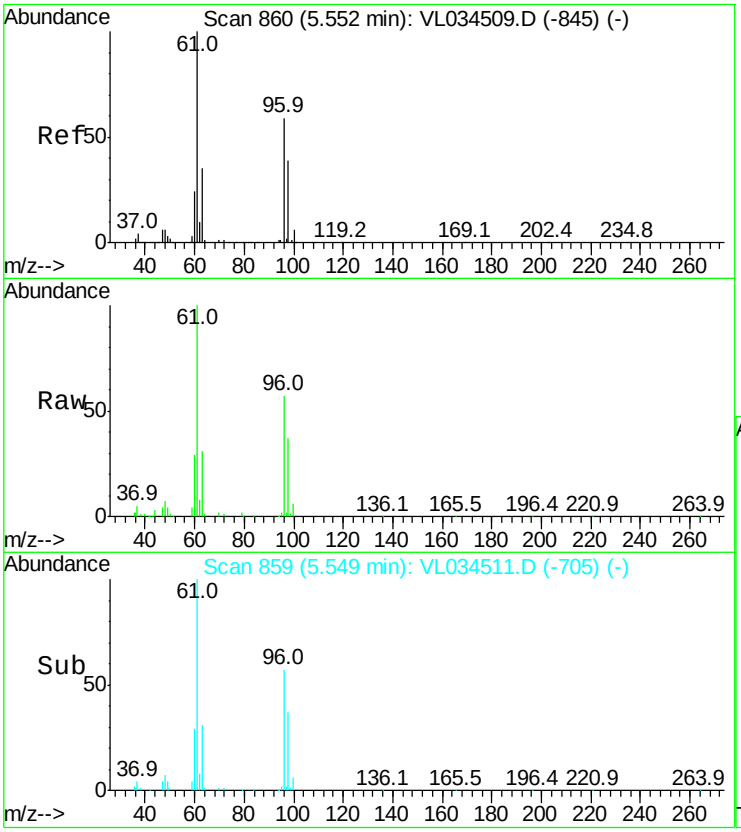


#30
Cyclohexane
Concen: 0.803 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 84 Resp: 72121

Ion	Ratio	Lower	Upper
84	100		
56	137.2	112.7	169.1
41	98.8	73.0	109.4



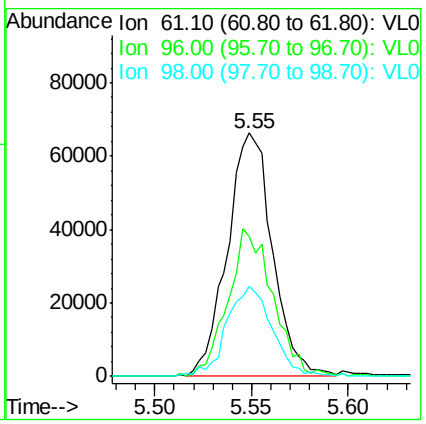


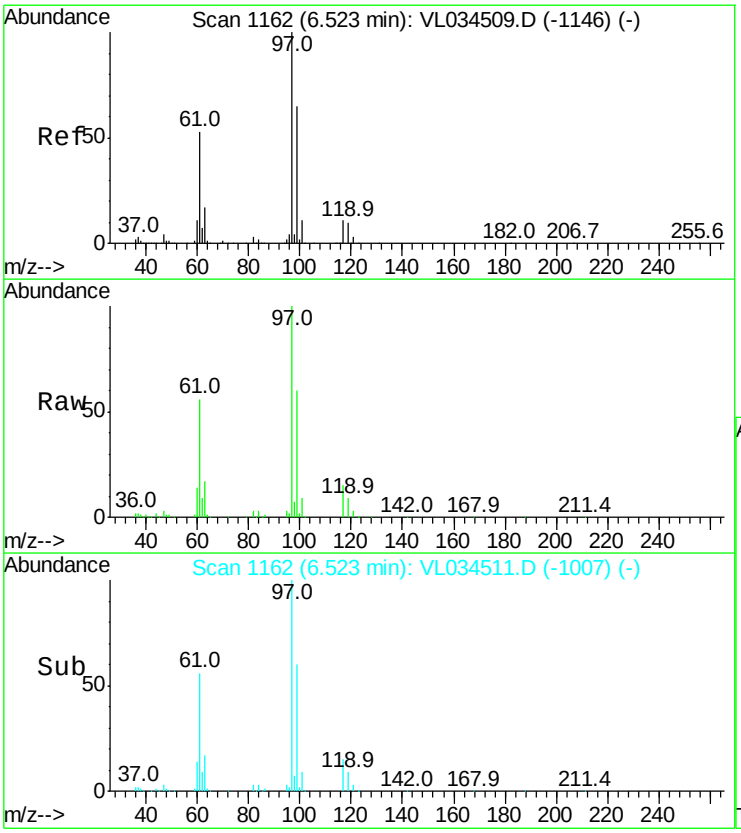
#31
cis-1,2-Dichloroethene
Concen: 0.878 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 107750

Ion	Ratio	Lower	Upper
61	100		
96	56.9	47.1	70.7
98	36.9	31.0	46.6

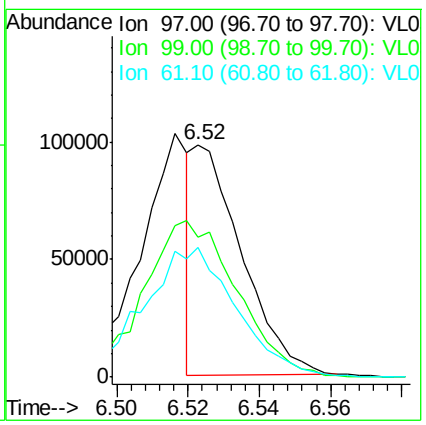


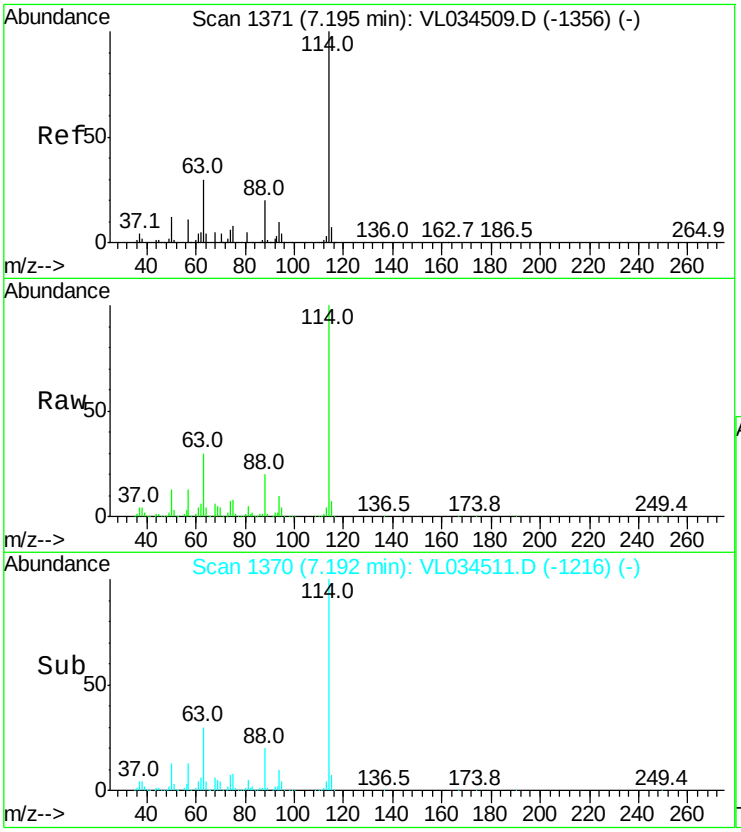


#32
1,1,1-Trichloroethane
Concen: 0.509 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 97 Resp: 91866

Ion	Ratio	Lower	Upper
97	100		
99	133.0	51.7	77.5#
61	109.6	42.9	64.3#



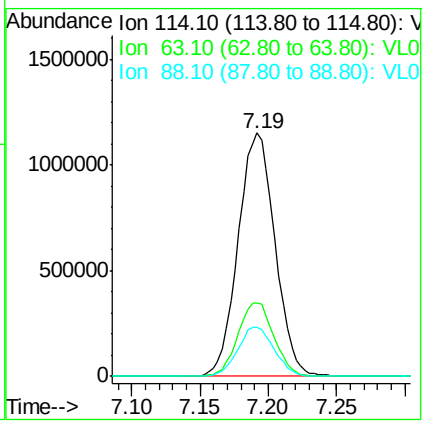


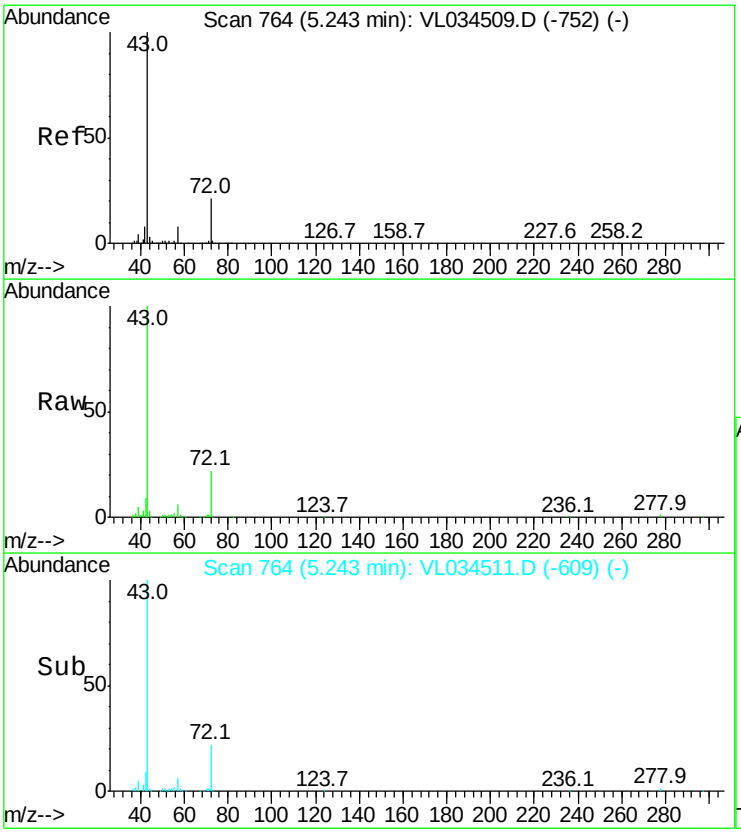
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 2160719

Ion	Ratio	Lower	Upper
114	100		
63	29.7	24.1	36.1
88	20.0	15.7	23.5

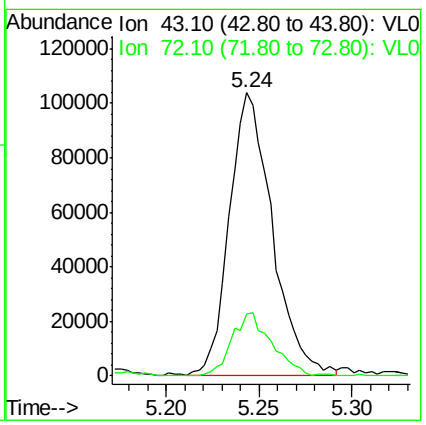


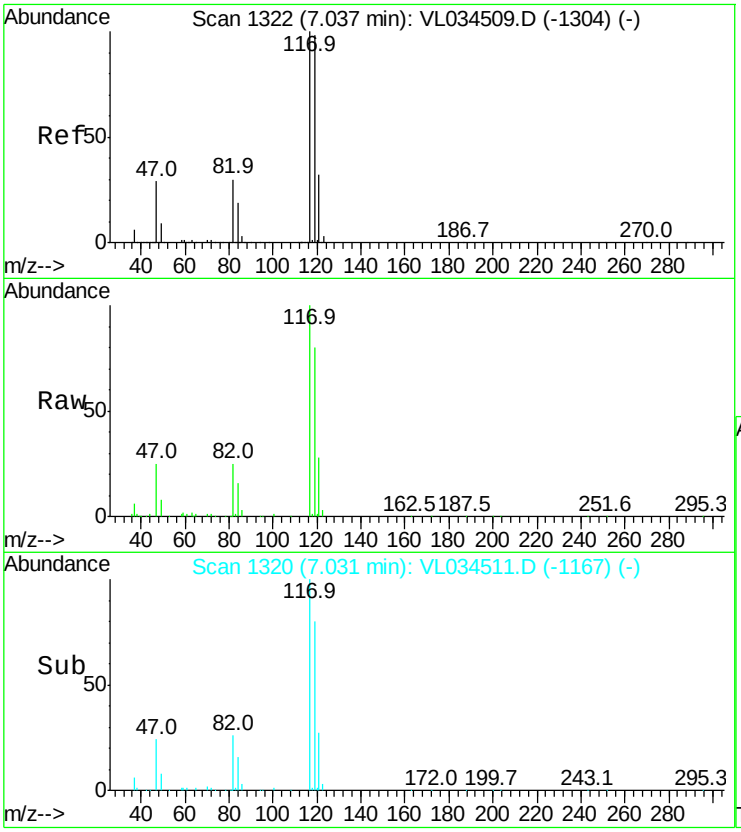


#34
2-Butanone
Concen: 0.935 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 43 Resp: 166281

Ion	Ratio	Lower	Upper
43	100		
72	21.0	17.0	25.4



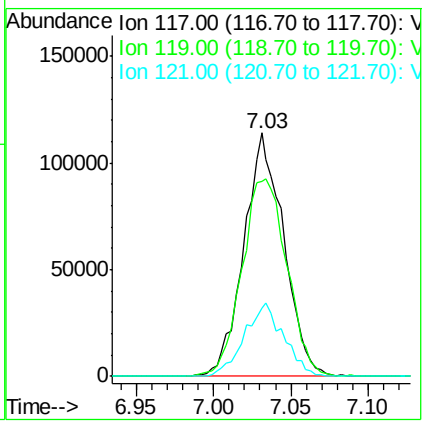


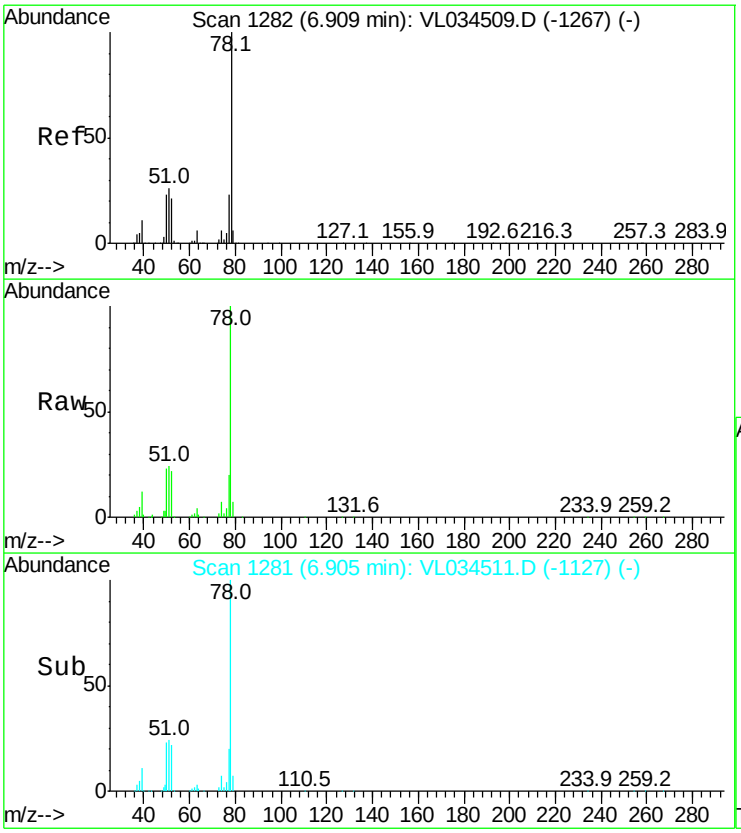
#35
Carbon Tetrachloride
Concen: 1.099 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:117 Resp: 204243

Ion	Ratio	Lower	Upper
117	100		
119	80.0	78.7	118.1
121	27.8	25.9	38.9

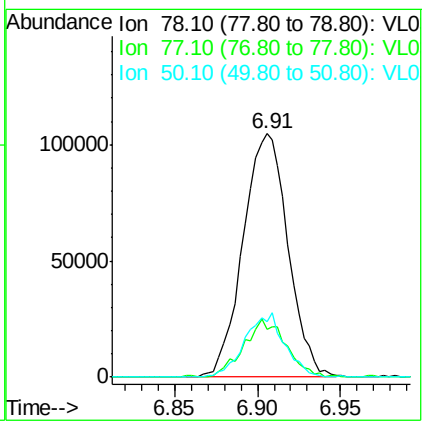


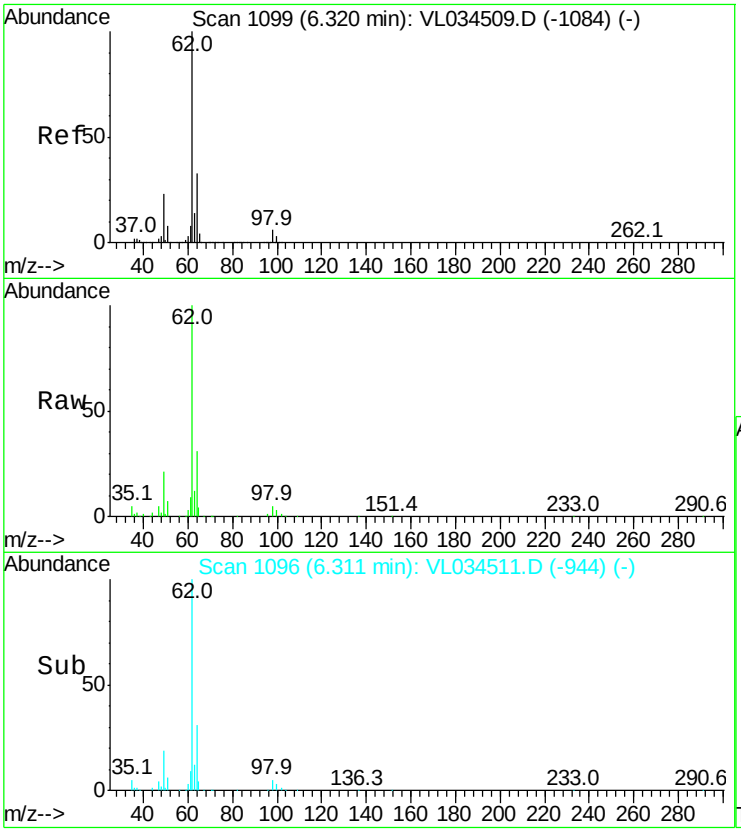


#36
Benzene
Concen: 0.913 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 78 Resp: 197234

Ion	Ratio	Lower	Upper
78	100		
77	19.1	18.6	28.0
50	22.7	18.8	28.2



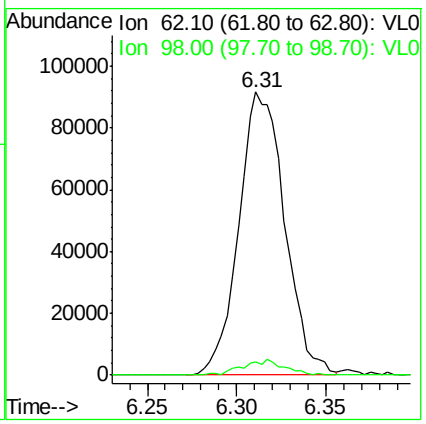


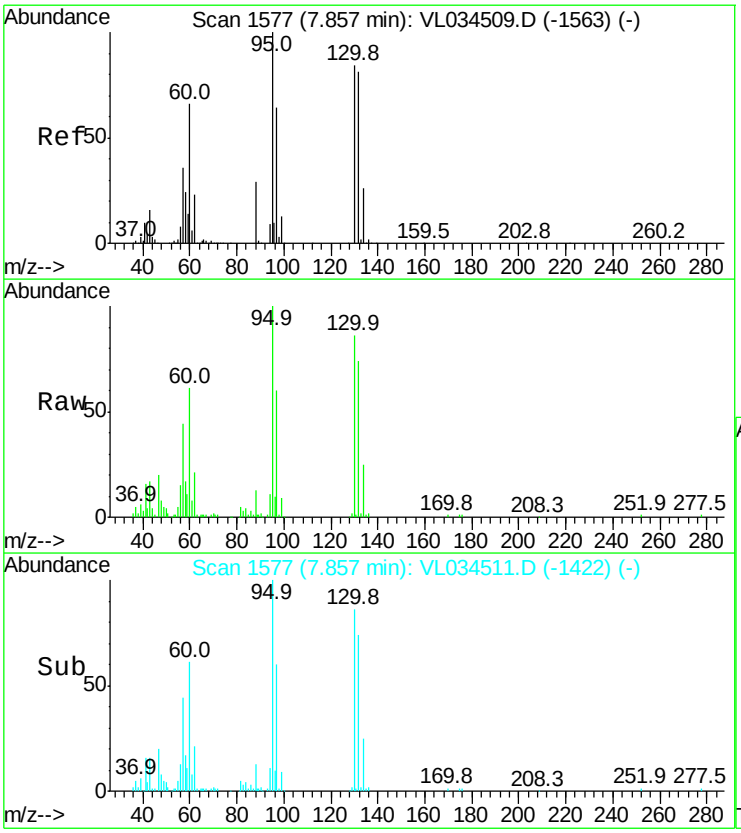
#37
1,2-Dichloroethane
Concen: 1.027 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 164847

Ion	Ratio	Lower	Upper
62	100		
98	5.0	3.8	5.6

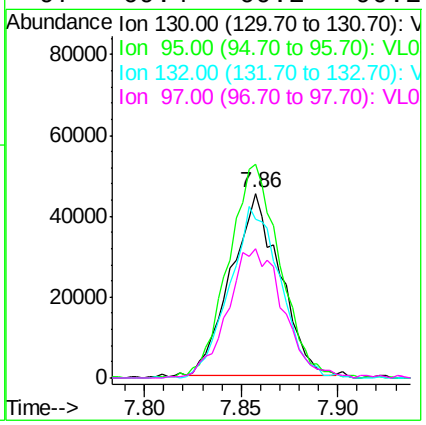


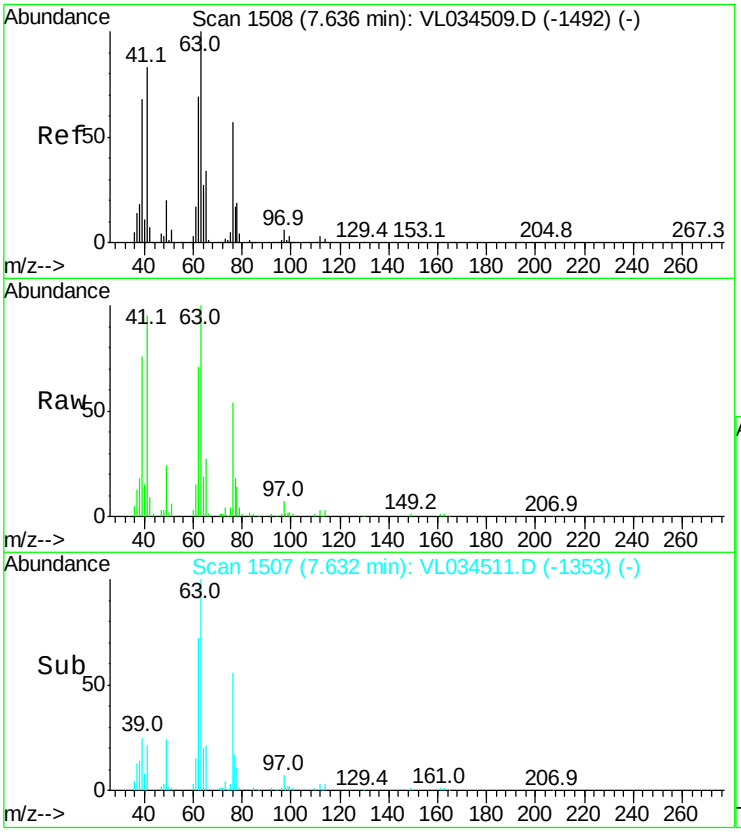


#38
Trichloroethene
Concen: 0.887 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:130 Resp: 78606

Ion	Ratio	Lower	Upper
130	100		
95	116.7	94.2	141.2
132	89.3	76.1	114.1
97	69.4	60.2	90.2



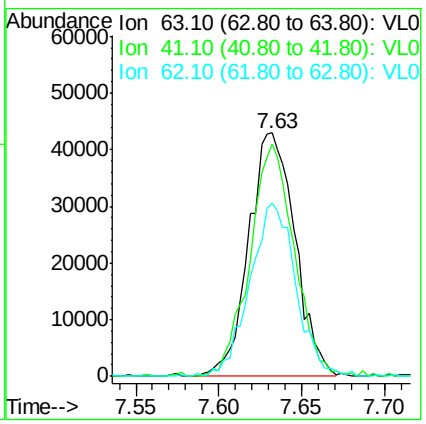


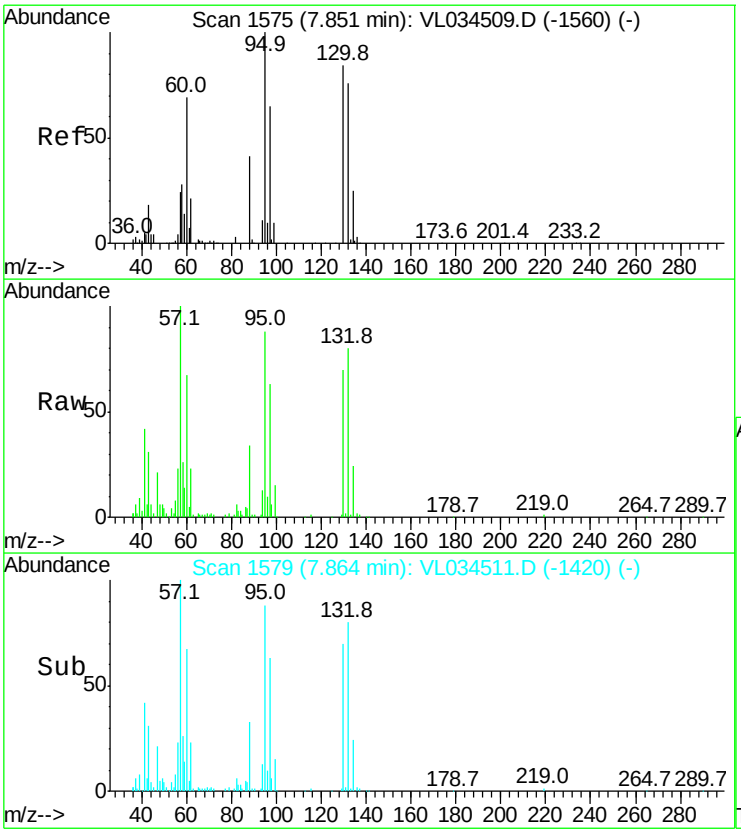
#39
1,2-Dichloropropane
Concen: 0.998 ppbv
RT: 7.63 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 83088

Ion	Ratio	Lower	Upper
63	100		
41	94.7	66.1	99.1
62	71.2	54.9	82.3

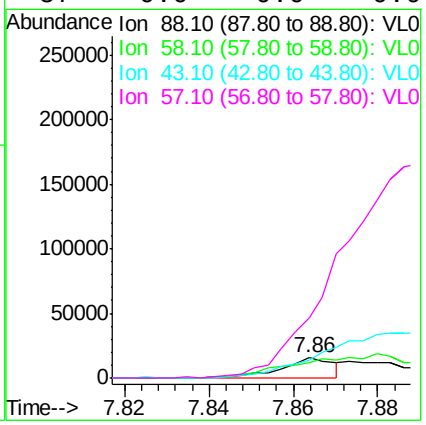


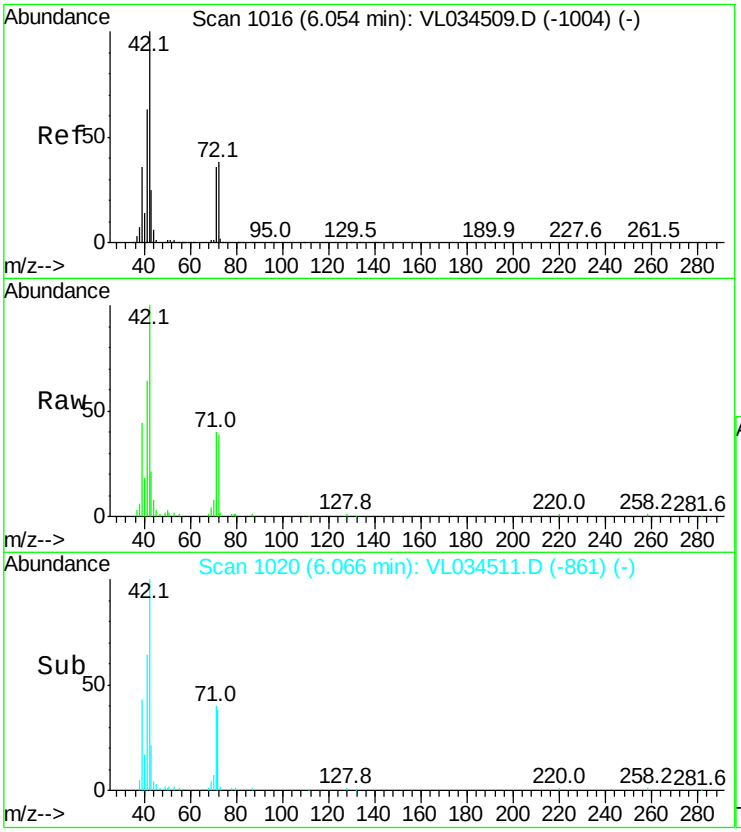


#40
1,4-Dioxane
Concen: 0.380 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 88 Resp: 13795

Ion	Ratio	Lower	Upper
88	100		
58	0.0	107.9	161.9#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



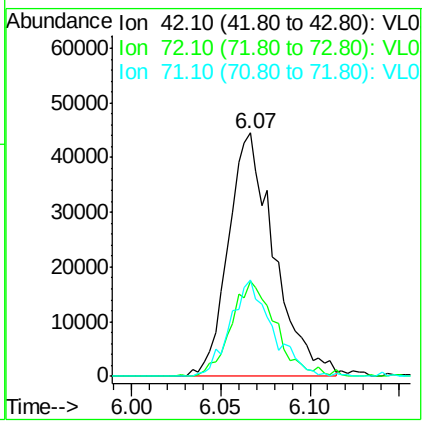


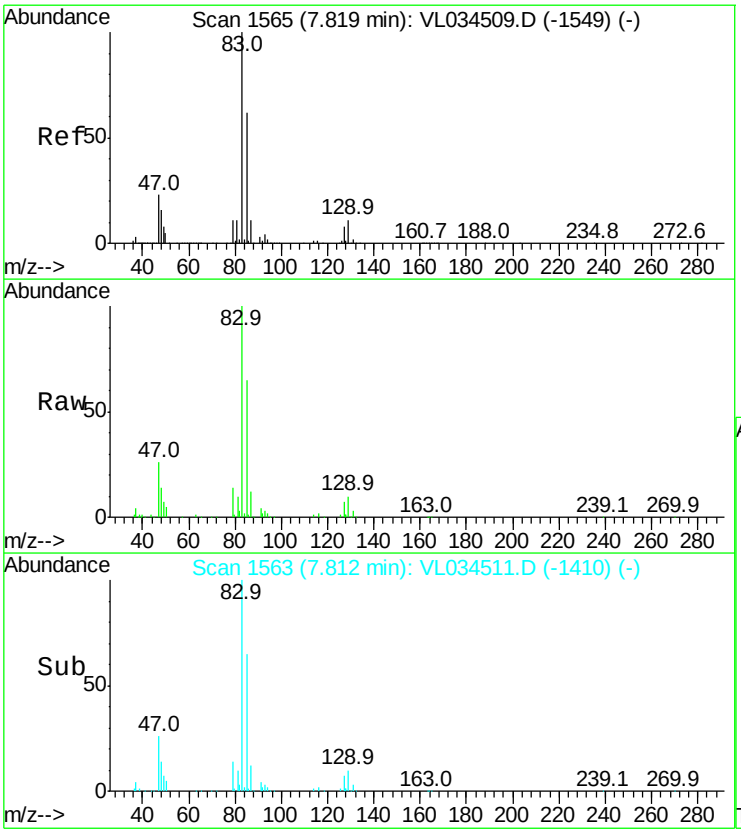
#41
Tetrahydrofuran
Concen: 0.804 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 80166

Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.9	46.3
71	36.4	28.9	43.3

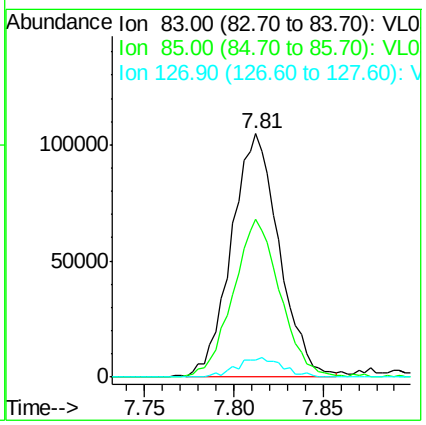


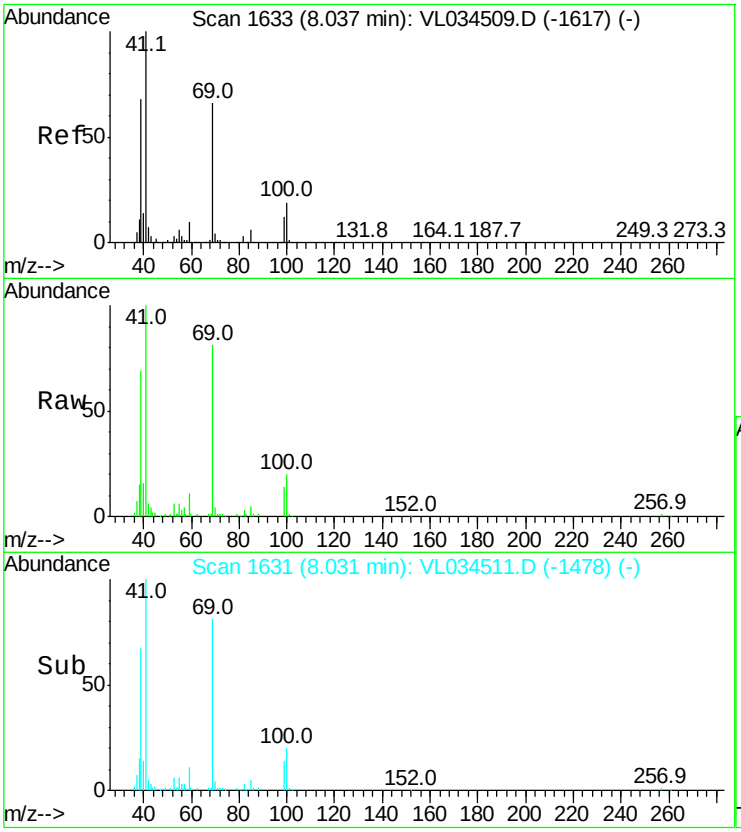


#42
Bromodichloromethane
Concen: 0.962 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 83 Resp: 193137

Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.4	74.2
127	7.1	6.2	9.4



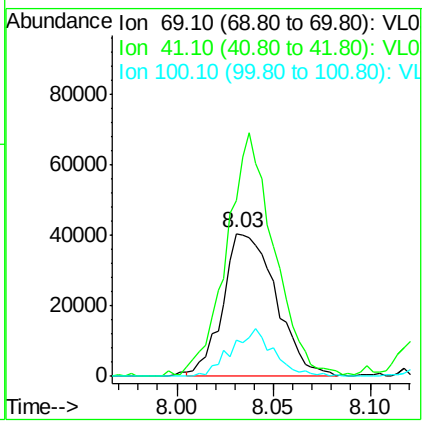


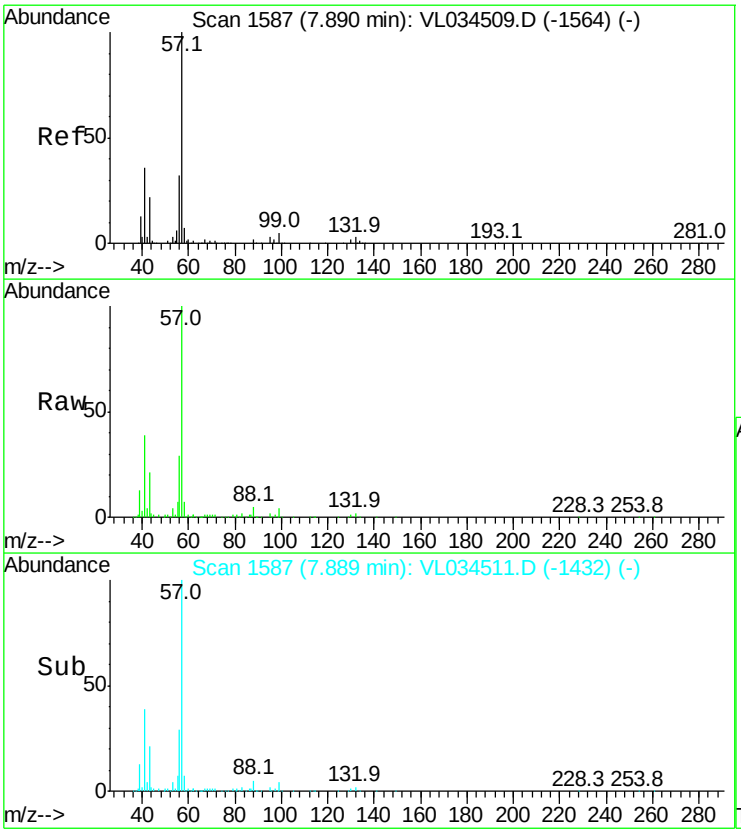
#43
Methyl Methacrylate
Concen: 0.862 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 69 Resp: 77264

Ion	Ratio	Lower	Upper
69	100		
41	154.1	124.0	186.0
100	26.7	23.1	34.7

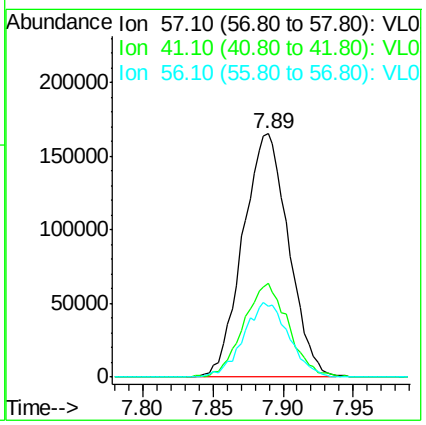


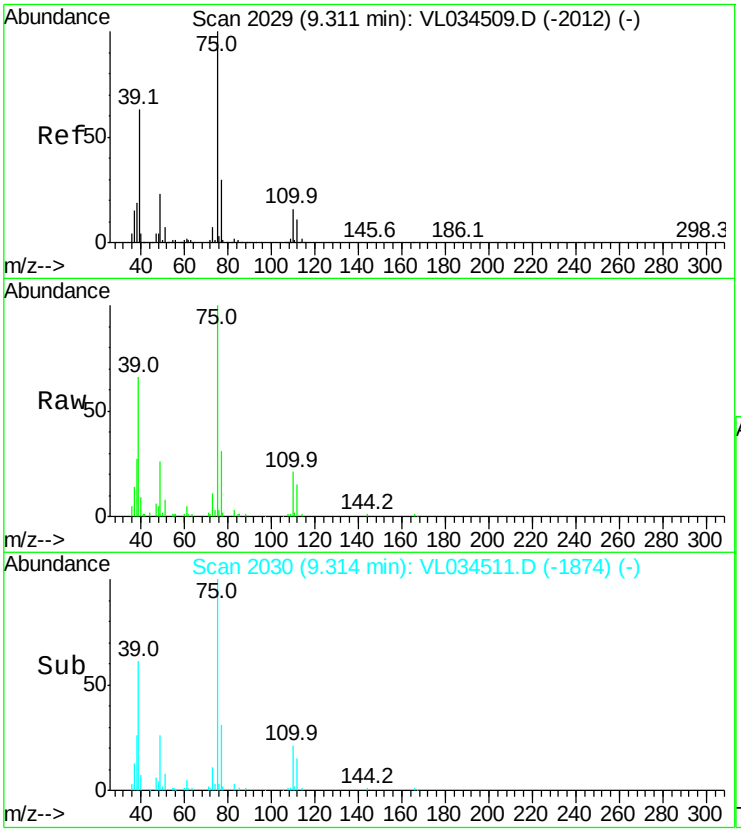


#44
2,2,4-Trimethylpentane
Concen: 0.948 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 57 Resp: 374127

Ion	Ratio	Lower	Upper
57	100		
41	38.1	29.0	43.4
56	30.4	24.9	37.3



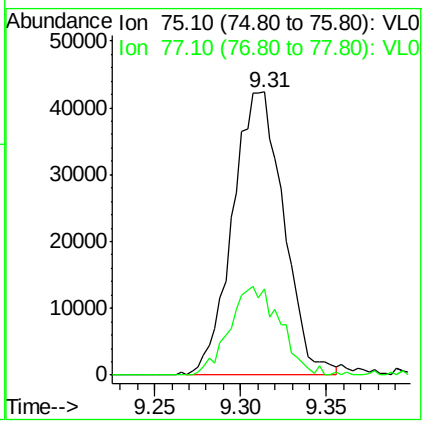


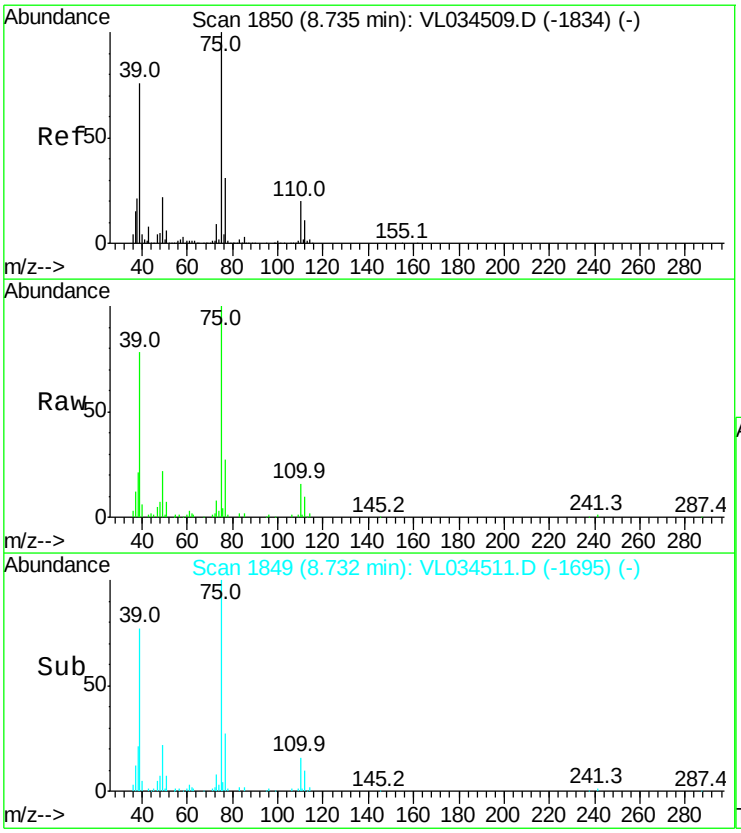
#45
t-1,3-Dichloropropene
Concen: 0.764 ppbv
RT: 9.31 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 75 Resp: 87747

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.2	36.2

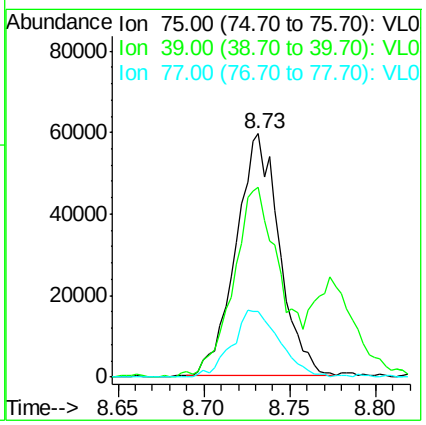


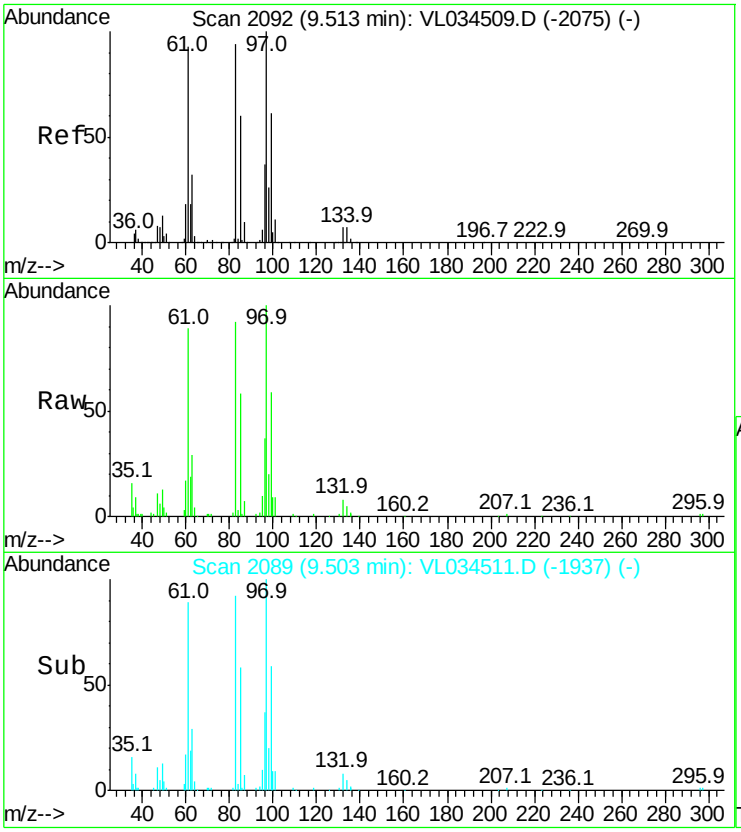


#46
cis-1,3-Dichloropropene
Concen: 0.812 ppbv
RT: 8.73 min Scan# 1849
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 75 Resp: 104775

Ion	Ratio	Lower	Upper
75	100		
39	76.0	60.5	90.7
77	27.2	24.8	37.2



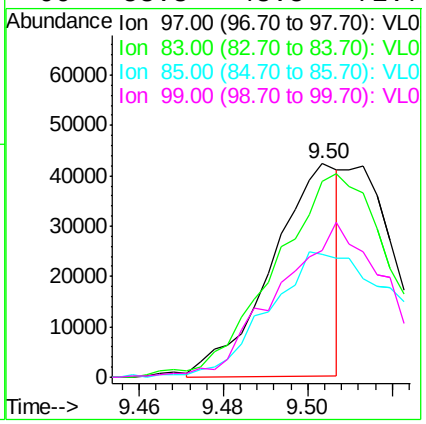


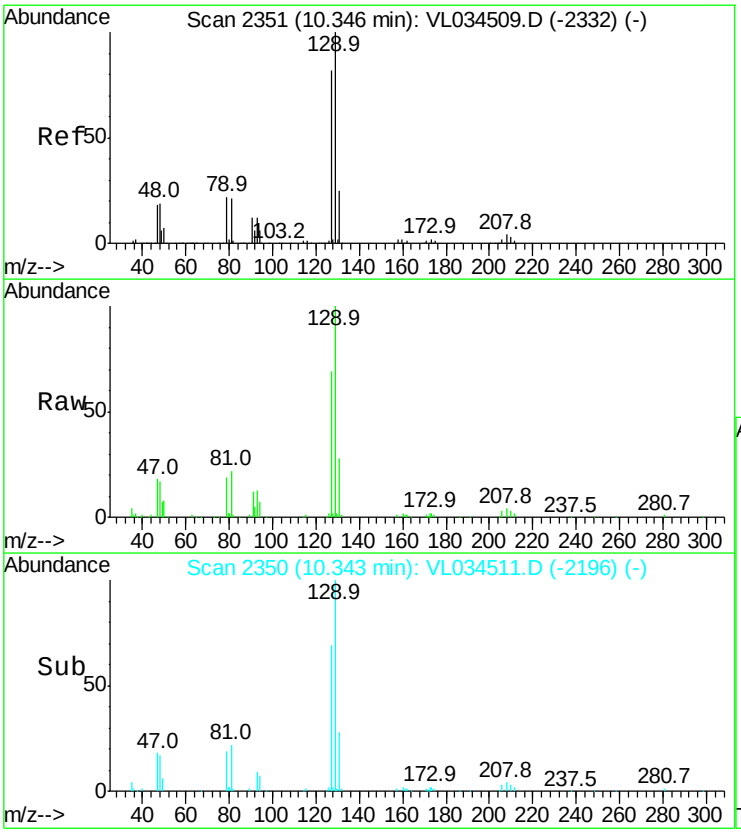
#47
1,1,2-Trichloroethane
Concen: 0.500 ppbv
RT: 9.50 min Scan# 2089
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 46269

Ion	Ratio	Lower	Upper
97	100		
83	90.5	75.0	112.4
85	57.4	48.2	72.4
99	58.8	48.5	72.7

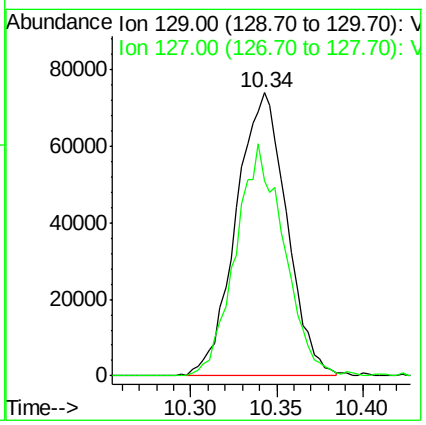


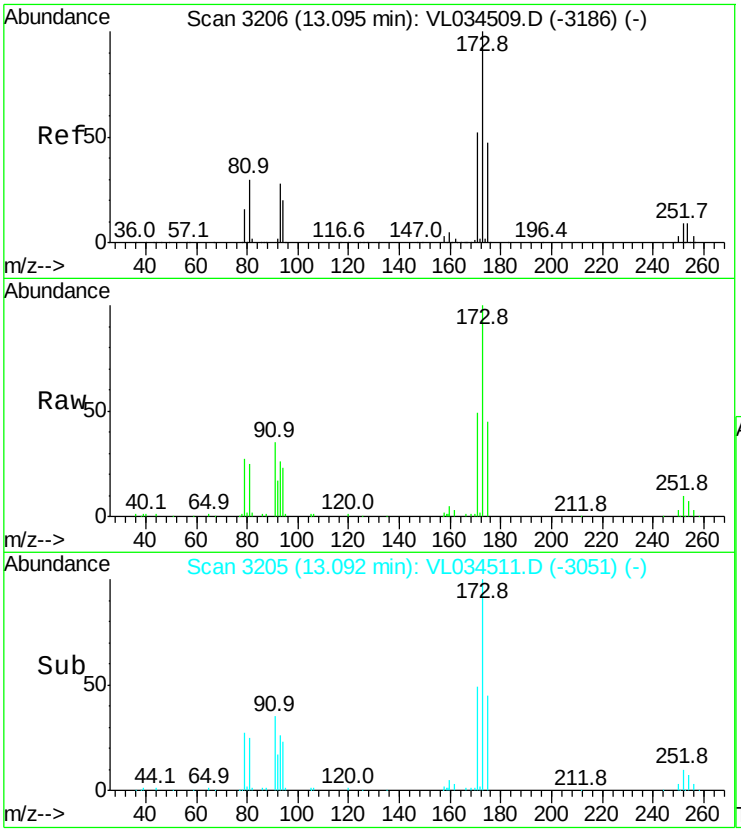


#48
Dibromochloromethane
Concen: 0.952 ppbv
RT: 10.34 min Scan# 2350
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:129 Resp: 151371

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.4	118.2



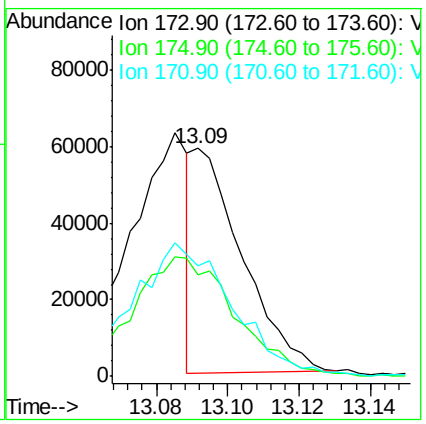


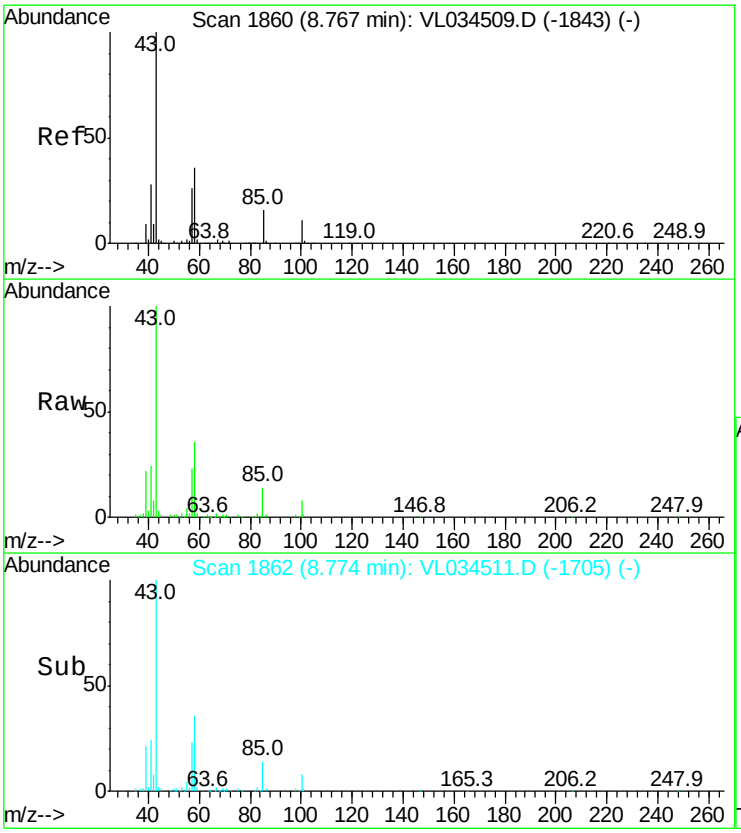
#49
Bromoform
Concen: 0.393 ppbv
RT: 13.09 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 55702

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.8	59.8#
171	0.0	42.1	63.1#

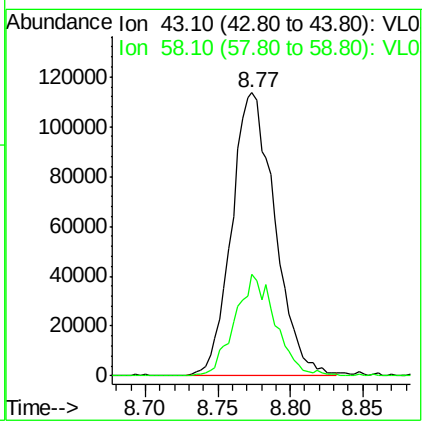


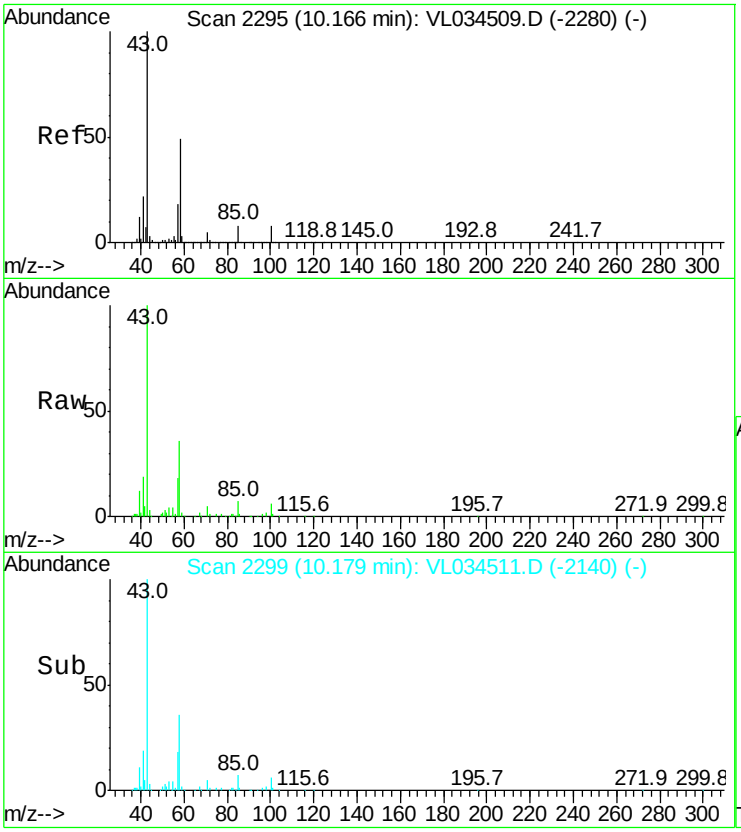


#50
4-Methyl-2-Pentanone
Concen: 0.915 ppbv
RT: 8.77 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 43 Resp: 235337

Ion	Ratio	Lower	Upper
43	100		
58	34.0	28.2	42.2



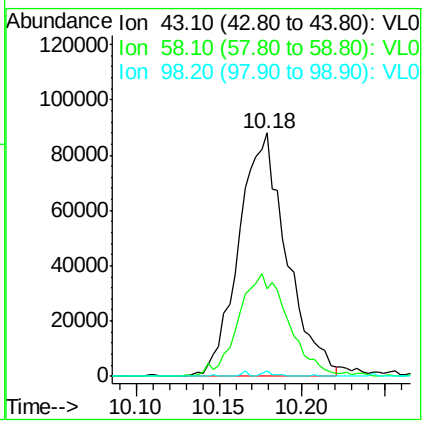


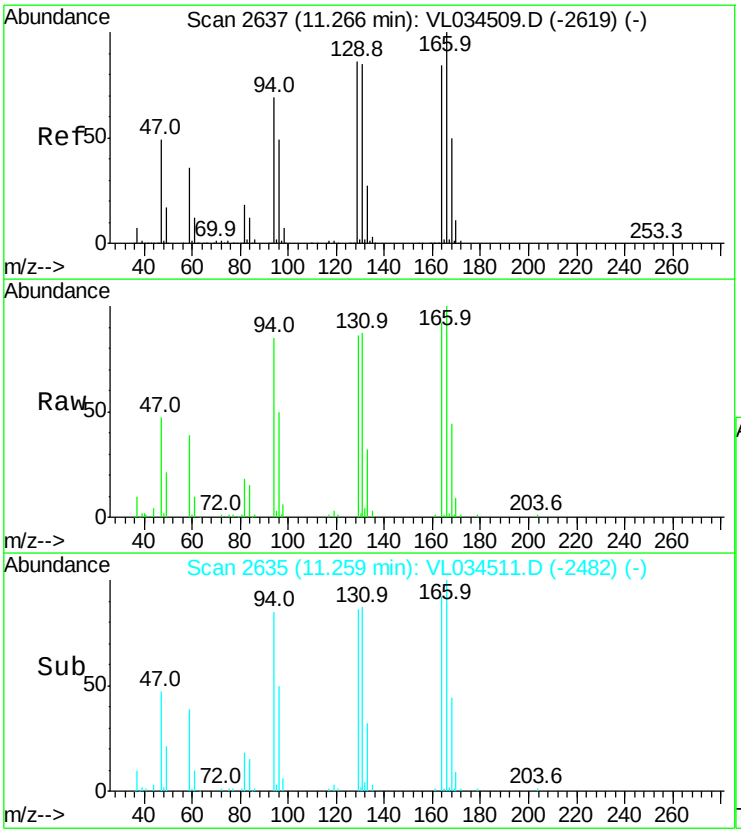
#51
2-Hexanone
Concen: 0.820 ppbv
RT: 10.18 min Scan# 2299
Delta R.T. 0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 176653

Ion	Ratio	Lower	Upper
43	100		
58	45.0	37.4	56.0
98	0.5	0.2	0.2#

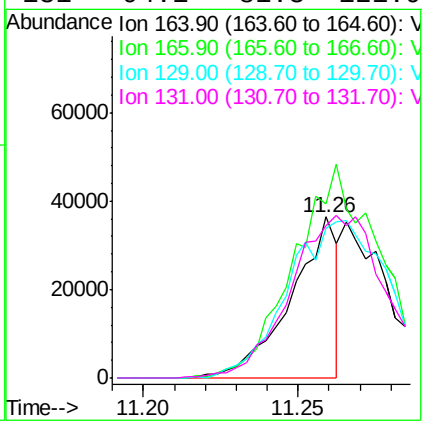


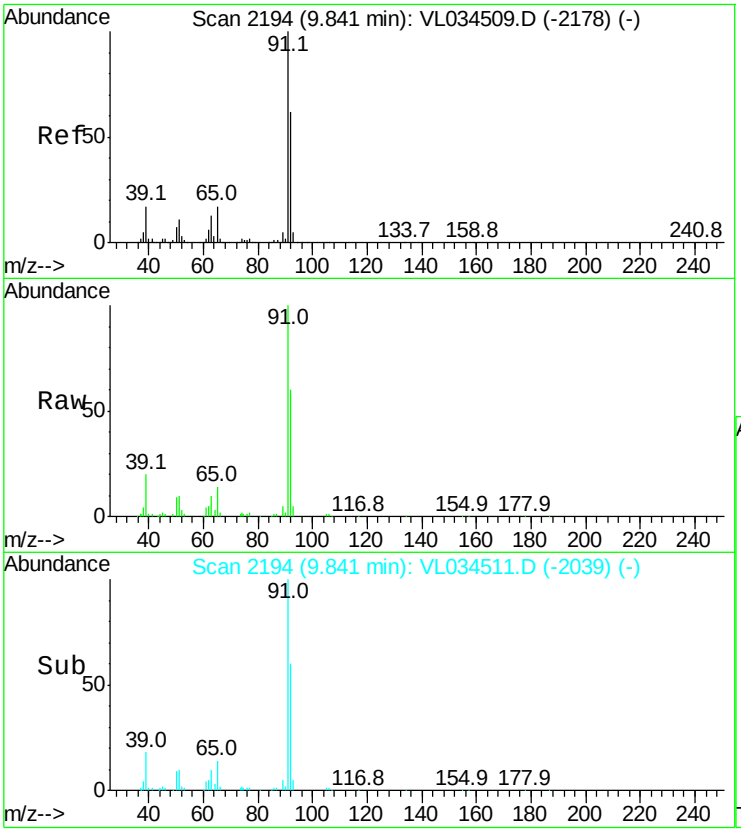


#52
Tetrachloroethene
Concen: 0.402 ppbv
RT: 11.26 min Scan# 2635
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:164 Resp: 37574

Ion	Ratio	Lower	Upper
164	100		
166	108.6	95.7	143.5
129	93.4	82.2	123.2
131	94.1	81.3	121.9



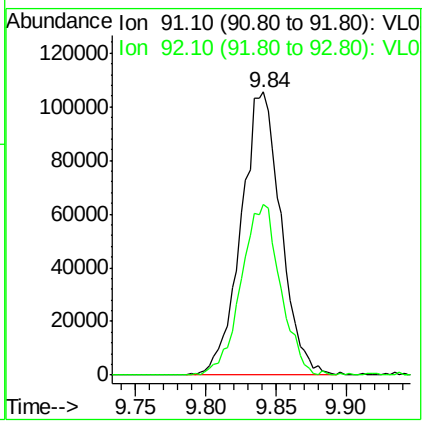


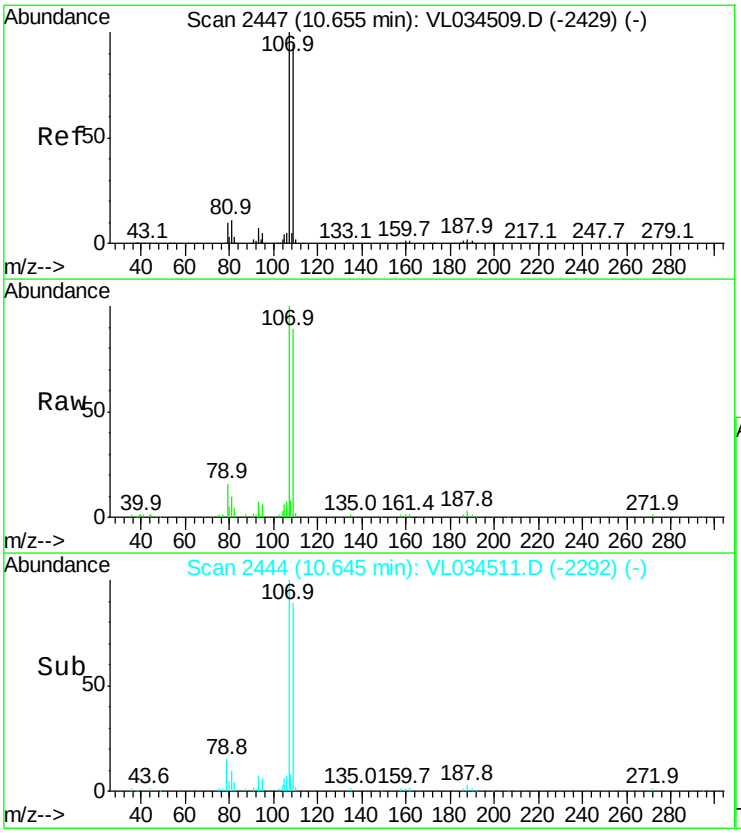
#53
Toluene
Concen: 0.850 ppbv
RT: 9.84 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 208637

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.4	72.6

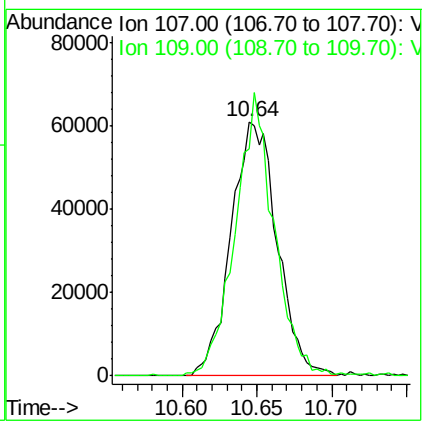


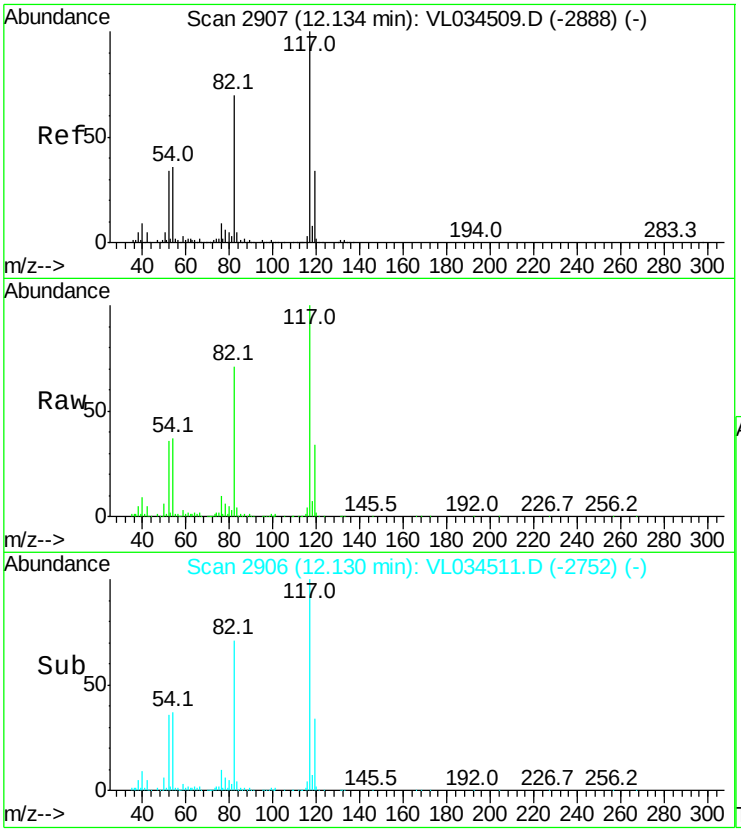


#54
1,2-Dibromoethane
Concen: 0.920 ppbv
RT: 10.64 min Scan# 2444
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:107 Resp: 130619

Ion	Ratio	Lower	Upper
107	100		
109	88.8	75.5	113.3



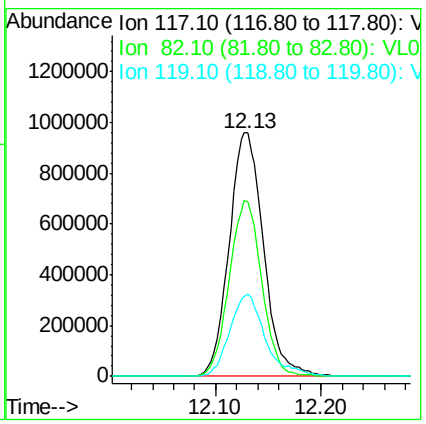


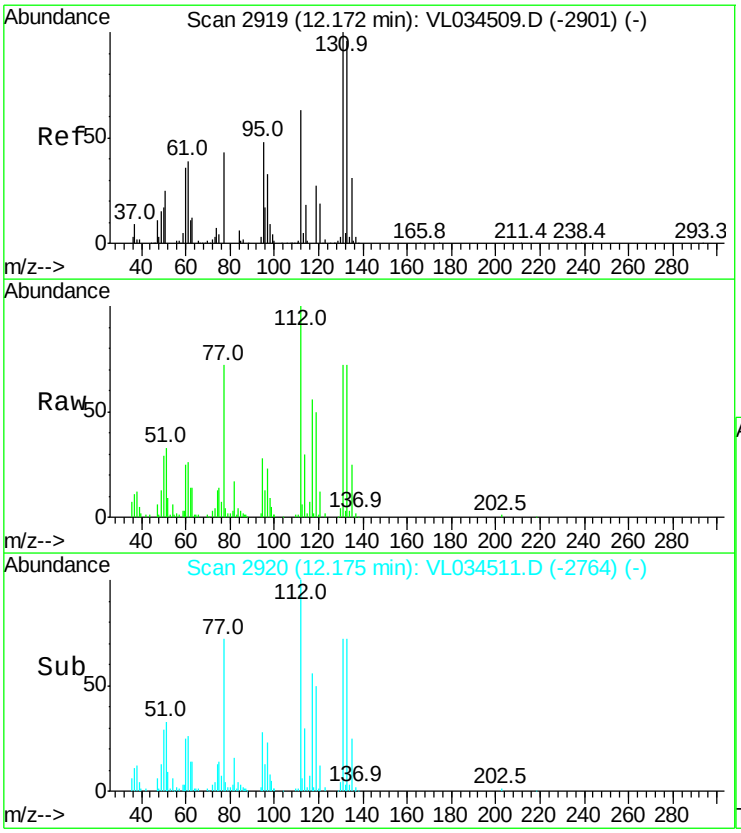
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 2166952

Ion	Ratio	Lower	Upper
117	100		
82	68.6	56.2	84.4
119	35.1	27.1	40.7

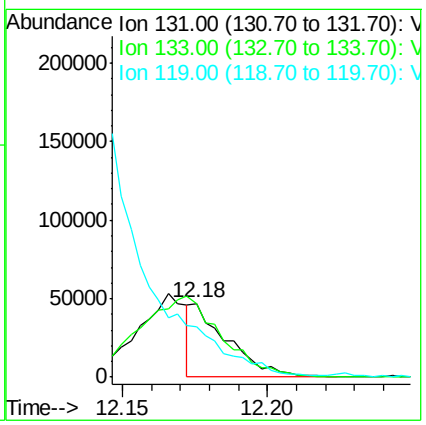


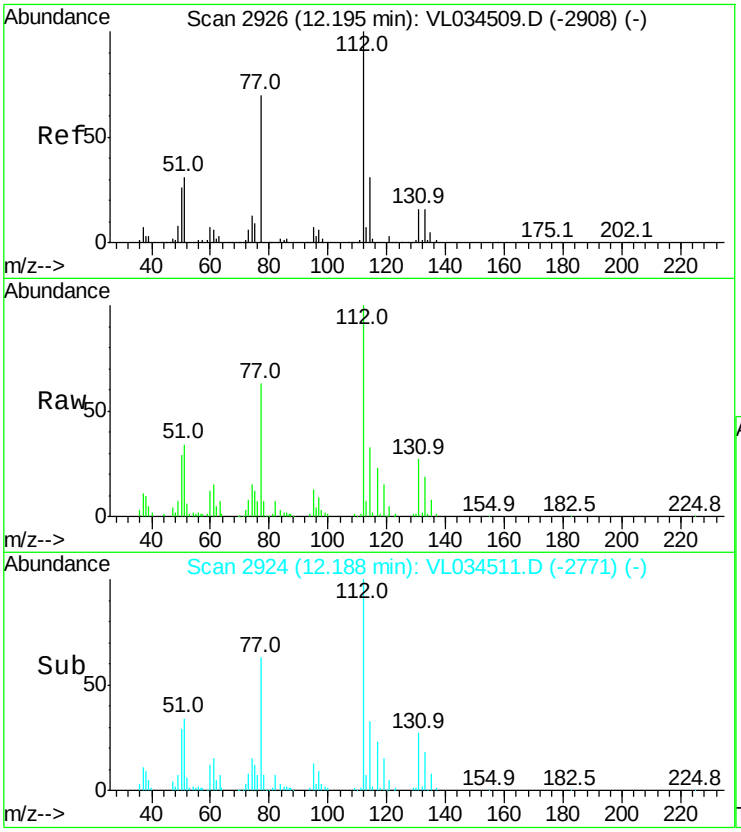


#56
1,1,1,2-Tetrachloroethane
Concen: 0.374 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:131 Resp: 39690

Ion	Ratio	Lower	Upper
131	100		
133	267.3	76.2	114.2#
119	0.0	47.1	70.7#



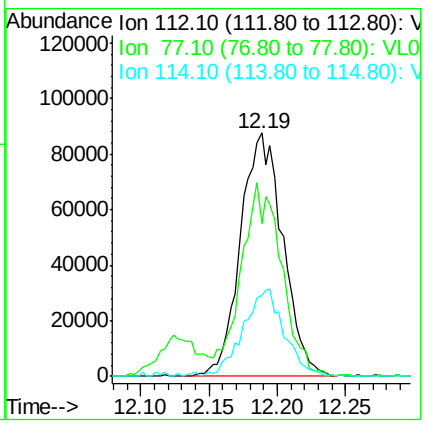


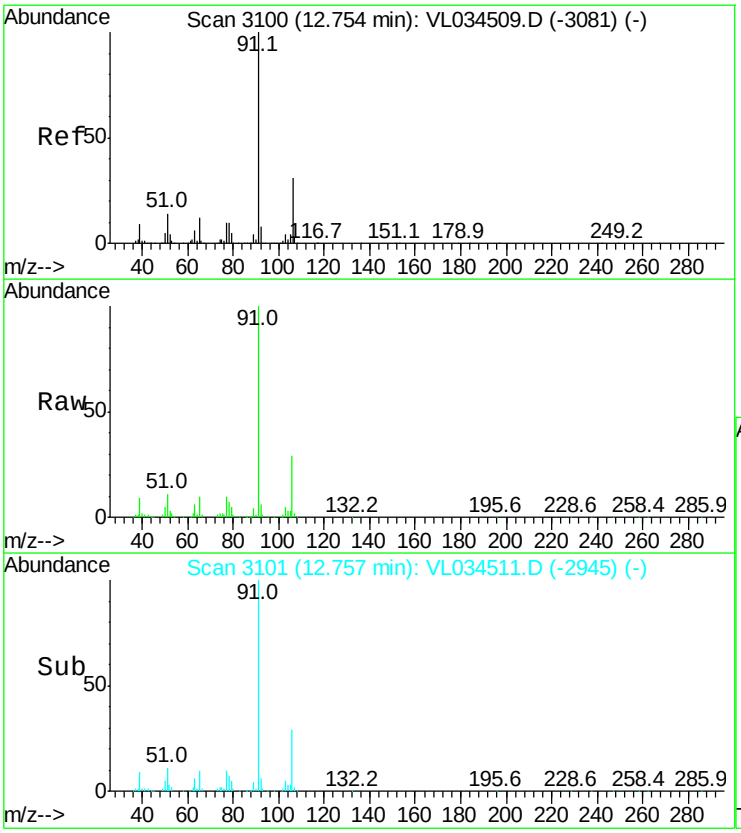
#57
Chlorobenzene
Concen: 0.962 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:112 Resp: 188389

Ion	Ratio	Lower	Upper
112	100		
77	62.4	57.4	86.0
114	33.4	28.4	34.8

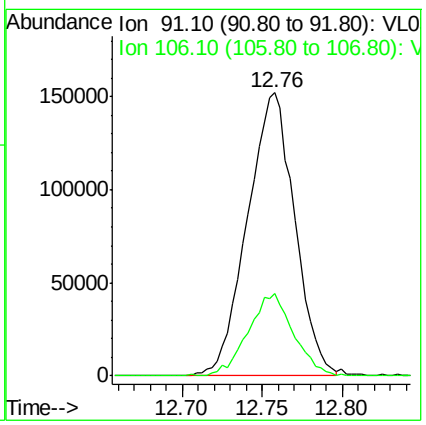


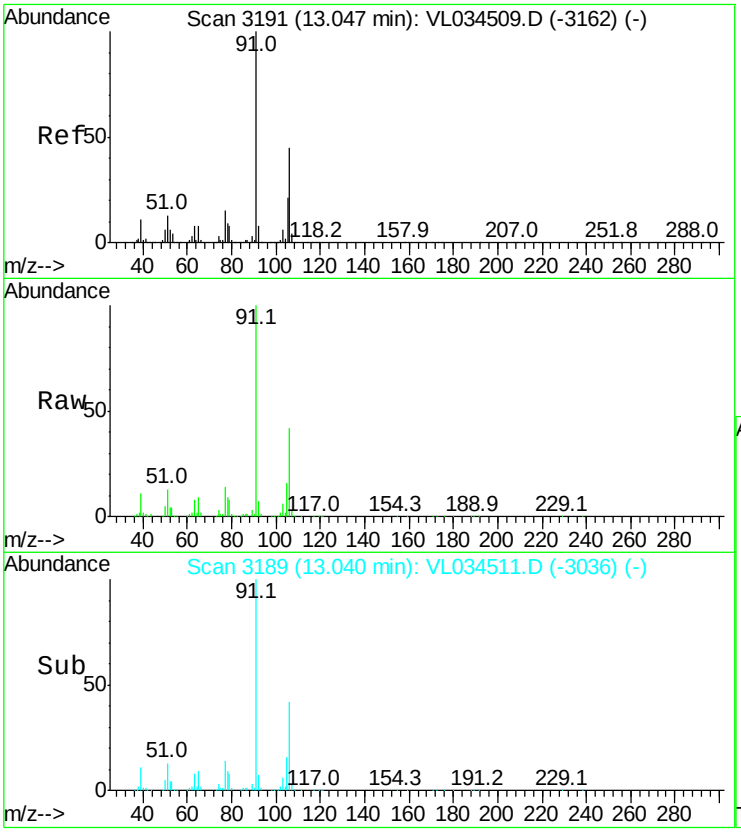


#58
Ethyl Benzene
Concen: 0.919 ppbv
RT: 12.76 min Scan# 3101
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 91 Resp: 309011

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.6	36.8



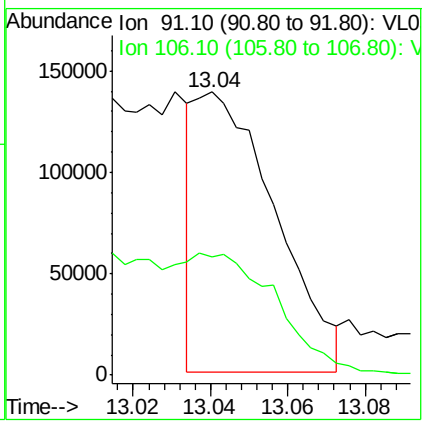


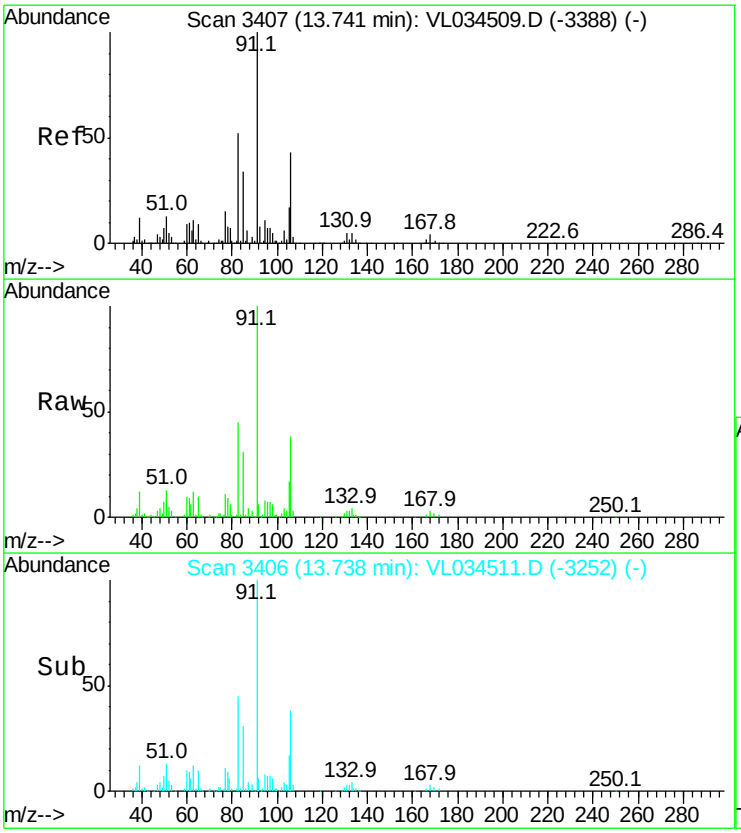
#59
m/p-Xylene
Concen: 0.680 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 197566

Ion	Ratio	Lower	Upper
91	100		
106	116.0	35.6	53.4#

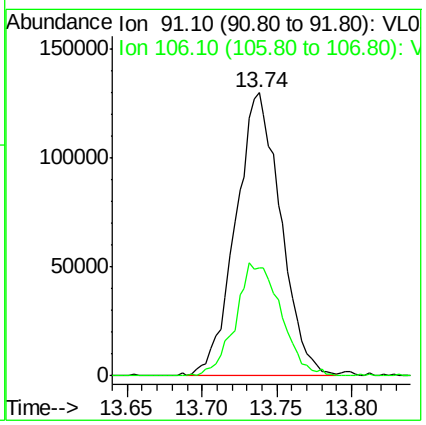


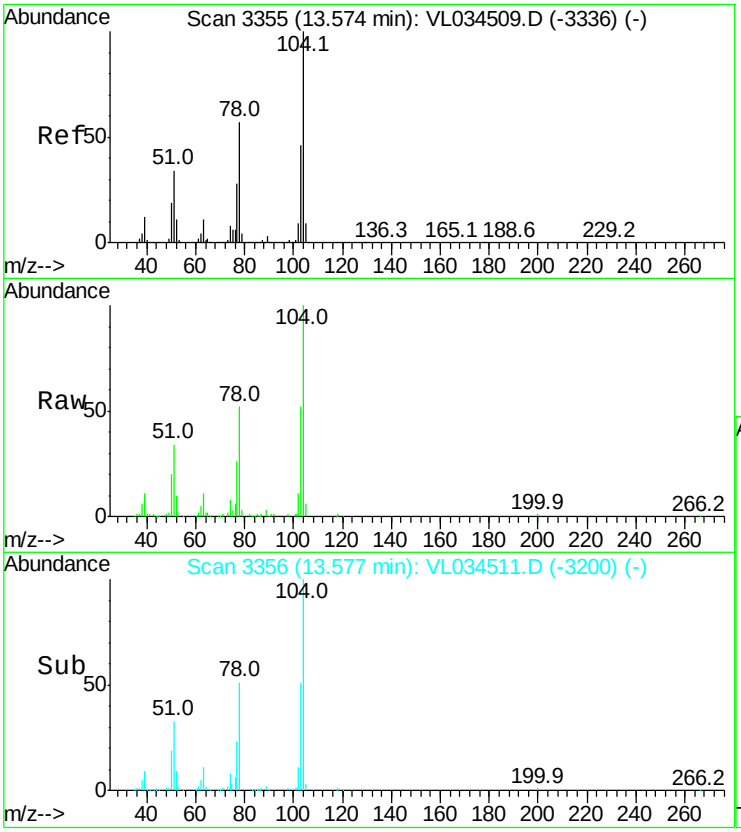


#60
o-Xylene
Concen: 0.942 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 91 Resp: 270656

Ion	Ratio	Lower	Upper
91	100		
106	40.4	21.4	64.3



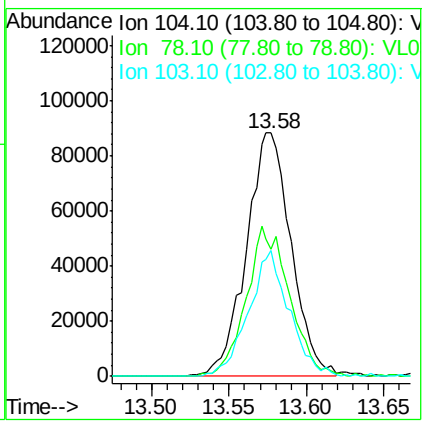


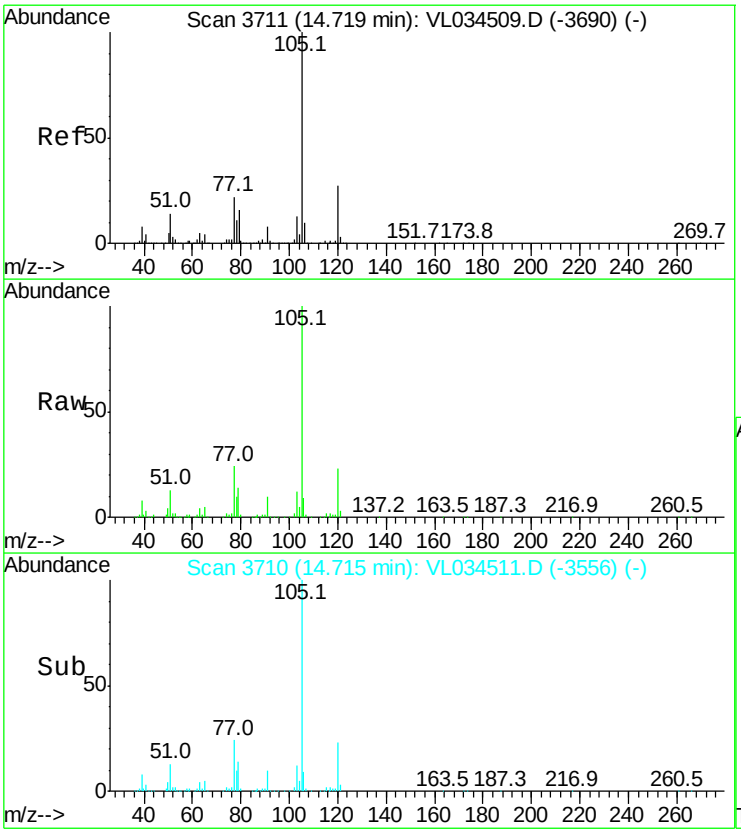
#61
Styrene
Concen: 0.859 ppbv
RT: 13.58 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 177972

Ion	Ratio	Lower	Upper
104	100		
78	59.7	47.7	71.5
103	46.9	38.6	58.0

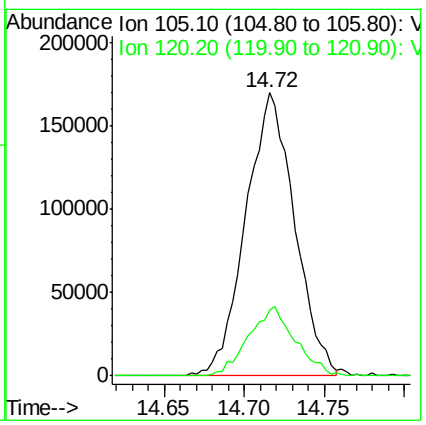


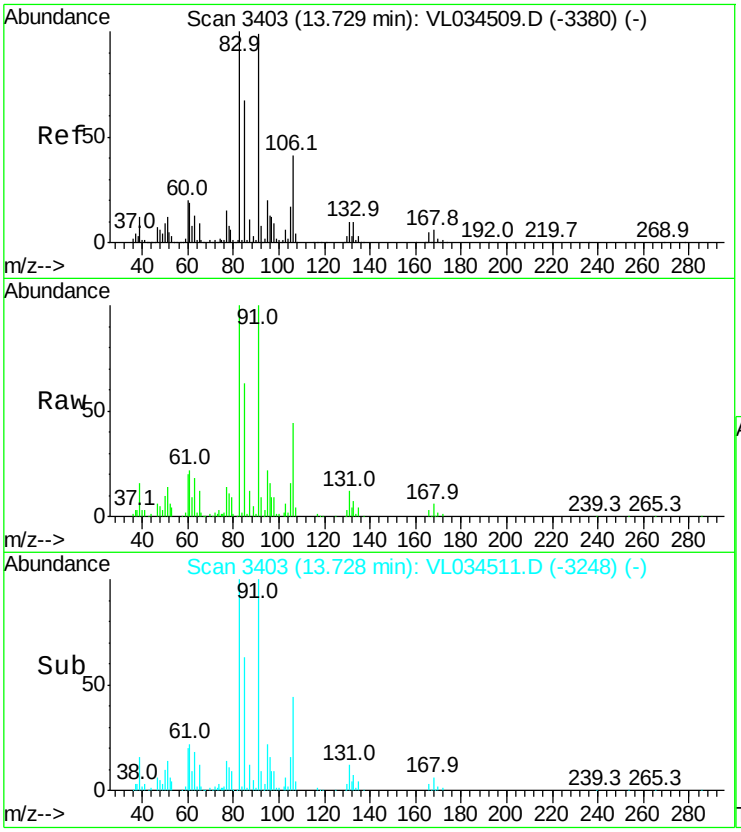


#62
Isopropylbenzene
Concen: 0.936 ppbv
RT: 14.72 min Scan# 3710
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:105 Resp: 355875

Ion	Ratio	Lower	Upper
105	100		
120	23.5	20.6	30.8



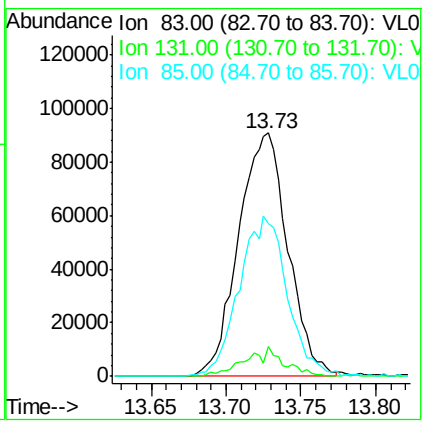


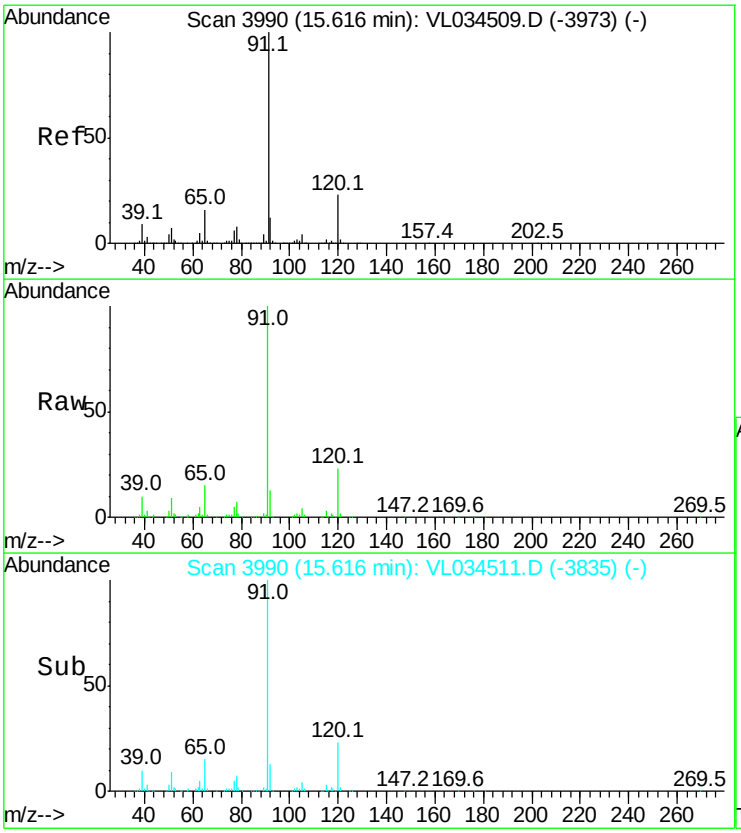
#63
1,1,2,2-Tetrachloroethane
Concen: 0.964 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 208268

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	64.6	32.5	97.4

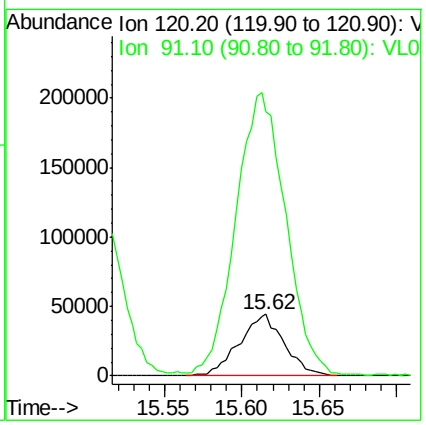


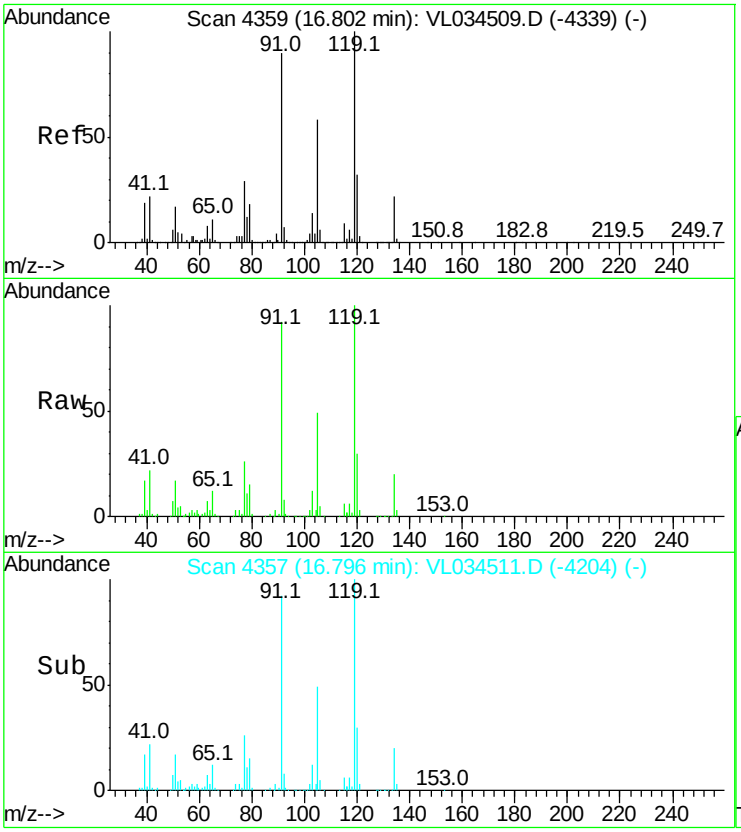


#64
n-propylbenzene
Concen: 0.906 ppbv
RT: 15.62 min Scan# 3990
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:120 Resp: 89480

Ion	Ratio	Lower	Upper
120	100		
91	512.9	375.6	563.4



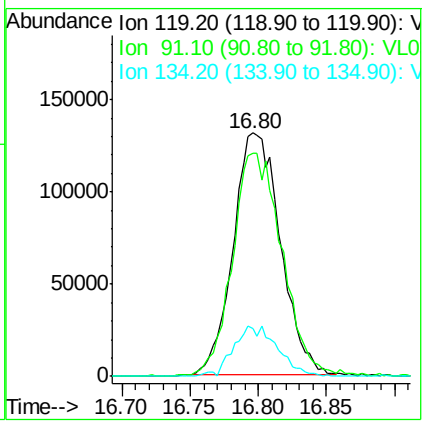


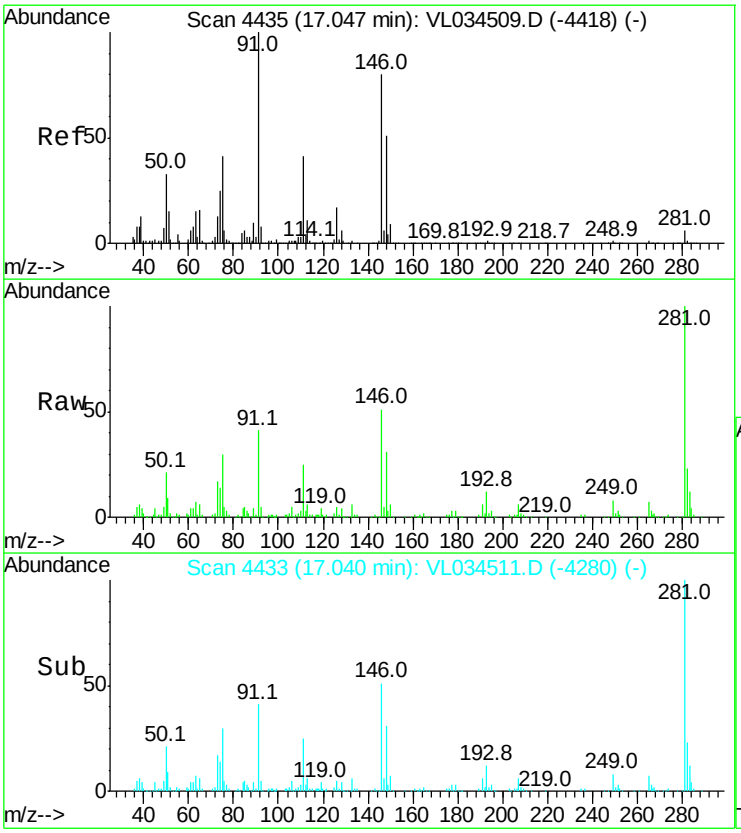
#65
tert-Butylbenzene
Concen: 0.923 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:119 Resp: 315213

Ion	Ratio	Lower	Upper
119	100		
91	98.0	72.0	108.0
134	19.5	16.1	24.1

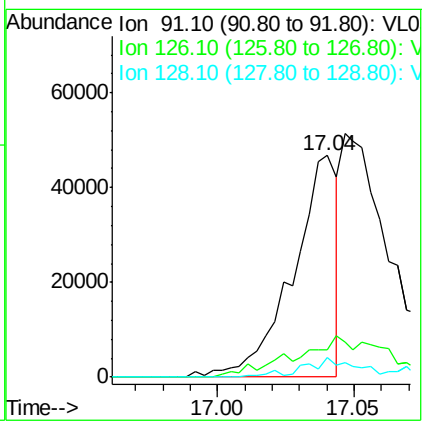


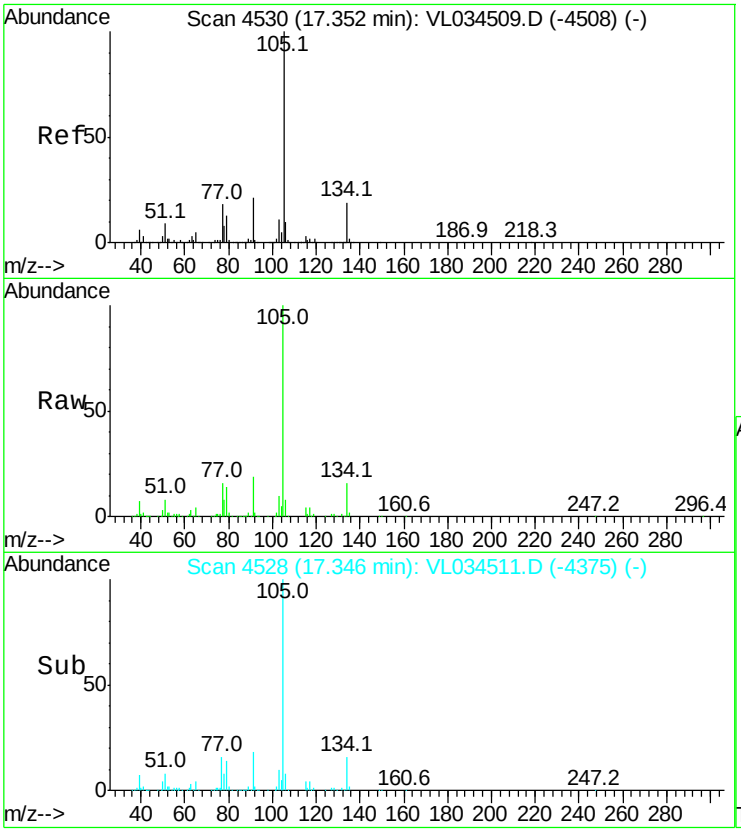


#66
Benzyl Chloride
Concen: 0.402 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 91 Resp: 52752

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.1	19.7#
128	12.3	4.2	6.4#



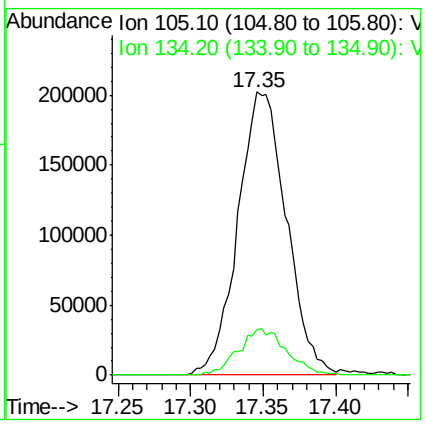


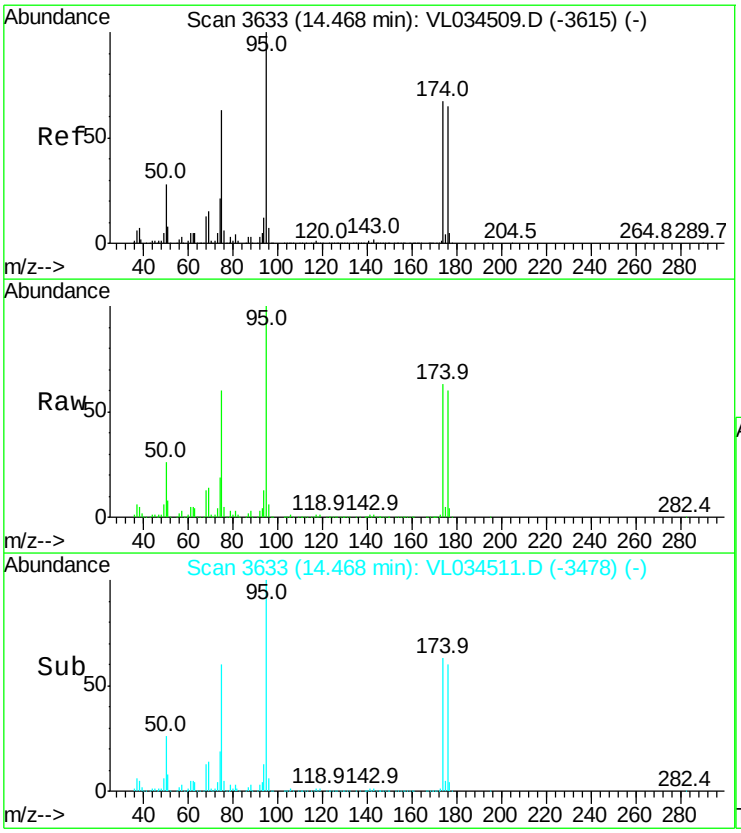
#67
sec-Butylbenzene
Concen: 0.975 ppbv
RT: 17.35 min Scan# 4528
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 465702

Ion	Ratio	Lower	Upper
105	100		
134	16.5	15.1	22.7

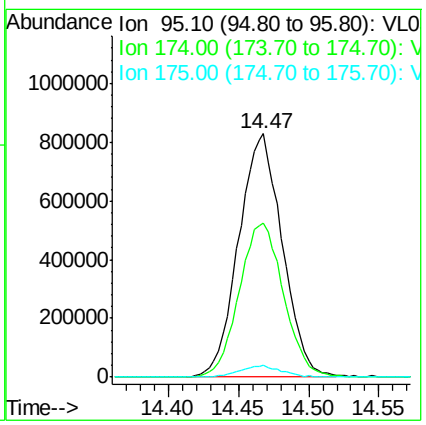


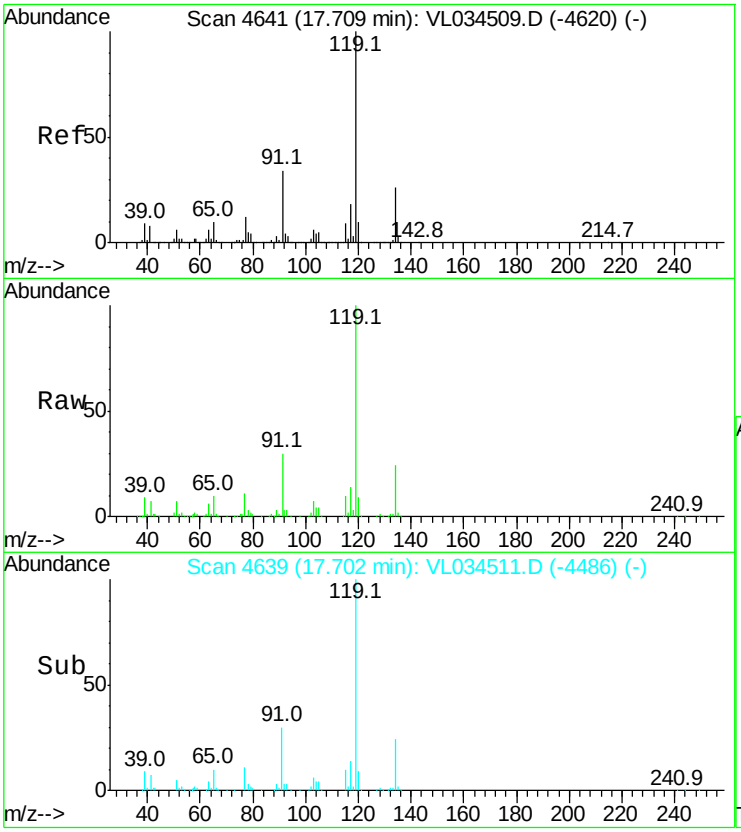


#68
1-Bromo-4-Fluorobenzene
Concen: 9.800 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 95 Resp: 1786582

Ion	Ratio	Lower	Upper
95	100		
174	65.1	52.4	78.6
175	4.7	3.9	5.9



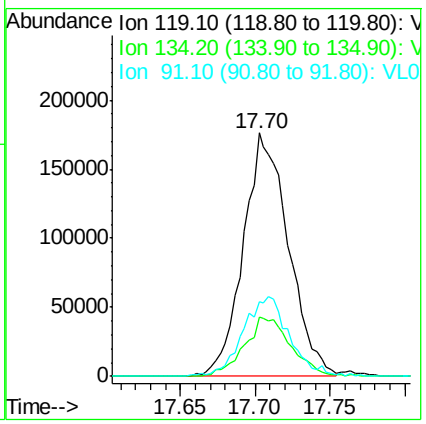


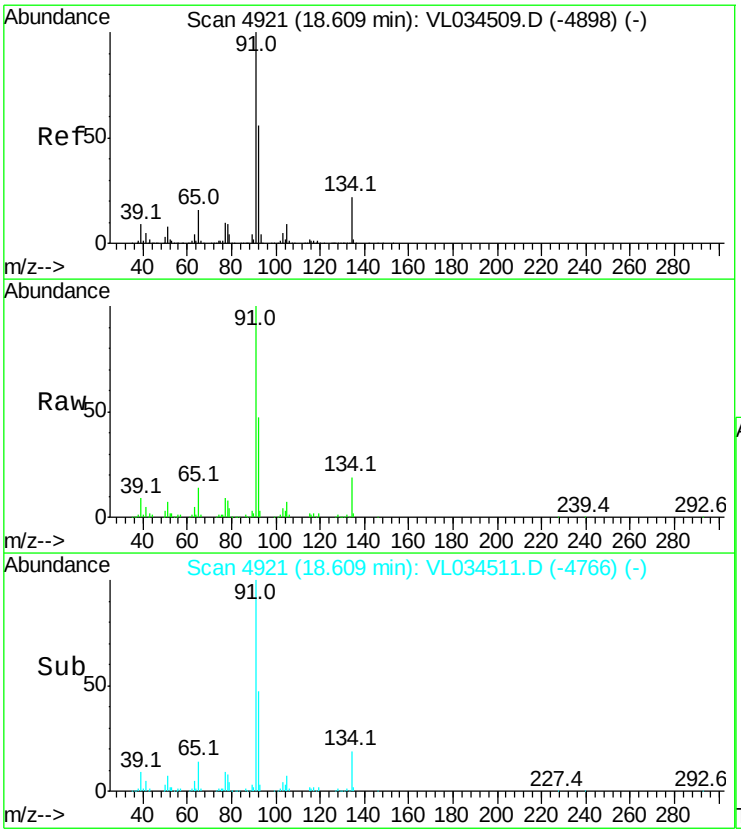
#69
p-Isopropyltoluene
Concen: 0.932 ppbv
RT: 17.70 min Scan# 4639
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 369507

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.7	31.1
91	34.0	26.6	39.8

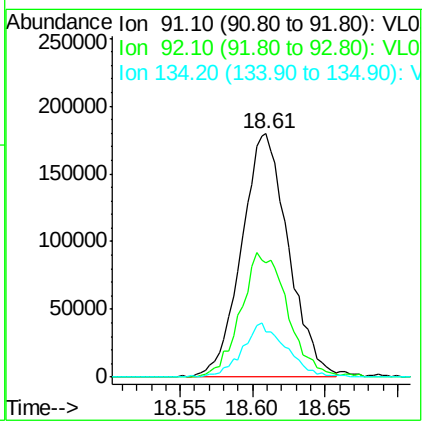


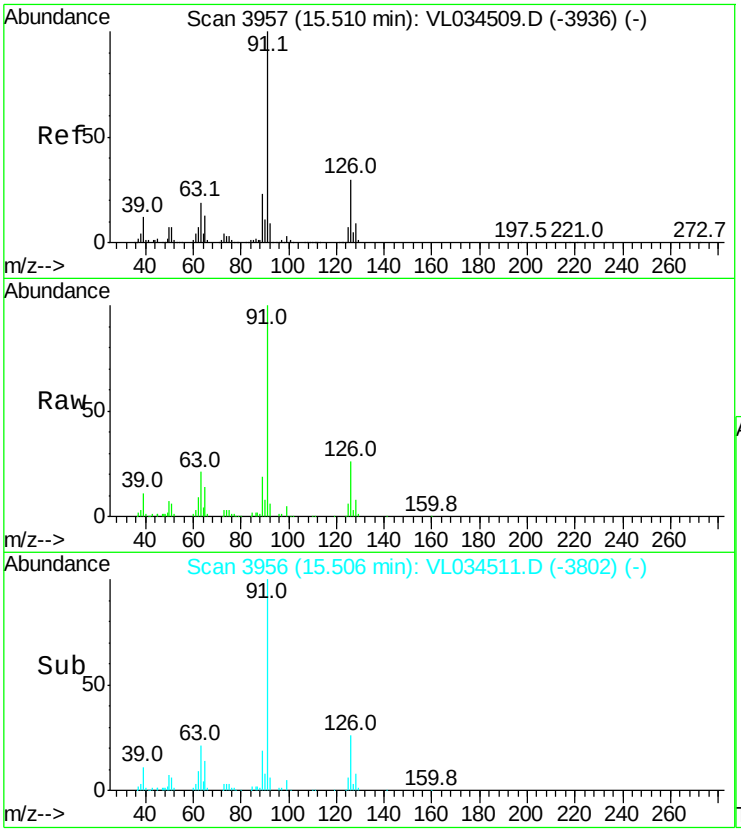


#70
n-Butylbenzene
Concen: 0.938 ppbv
RT: 18.61 min Scan# 4921
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion: 91 Resp: 400169

Ion	Ratio	Lower	Upper
91	100		
92	51.9	43.8	65.6
134	20.8	18.0	27.0



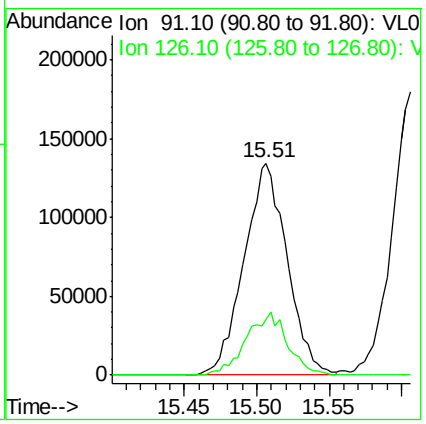


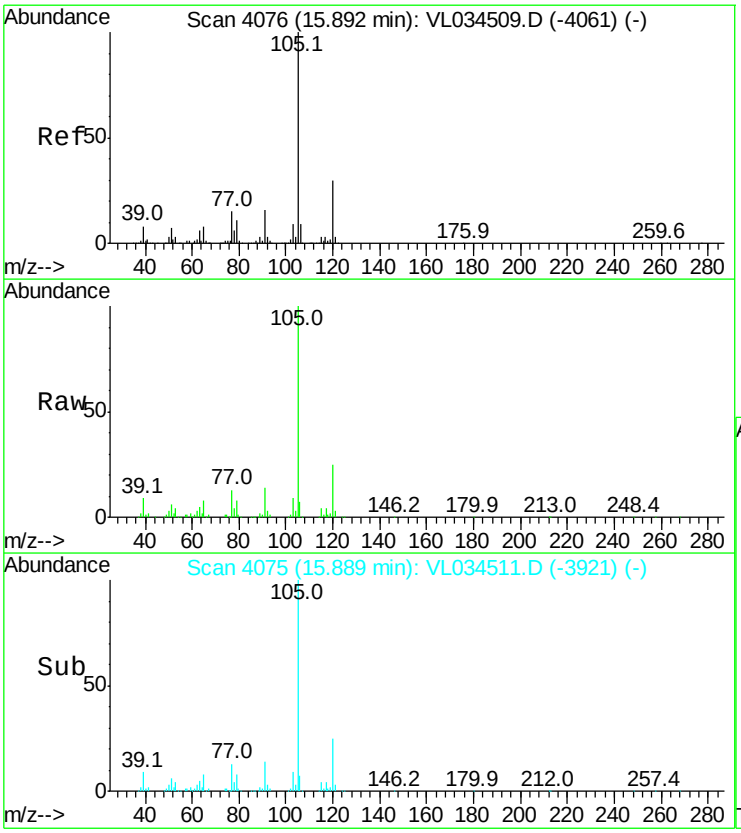
#71
2-Chlorotoluene
Concen: 0.919 ppbv
RT: 15.51 min Scan# 3956
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 278437

Ion	Ratio	Lower	Upper
91	100		
126	28.7	12.0	47.8

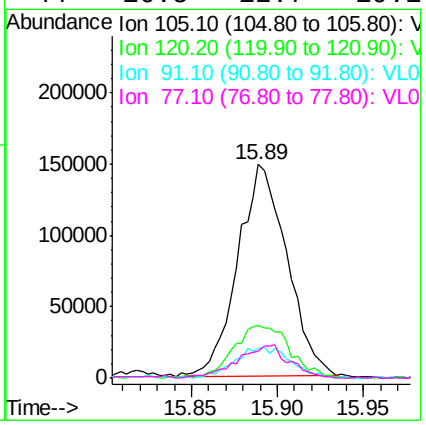


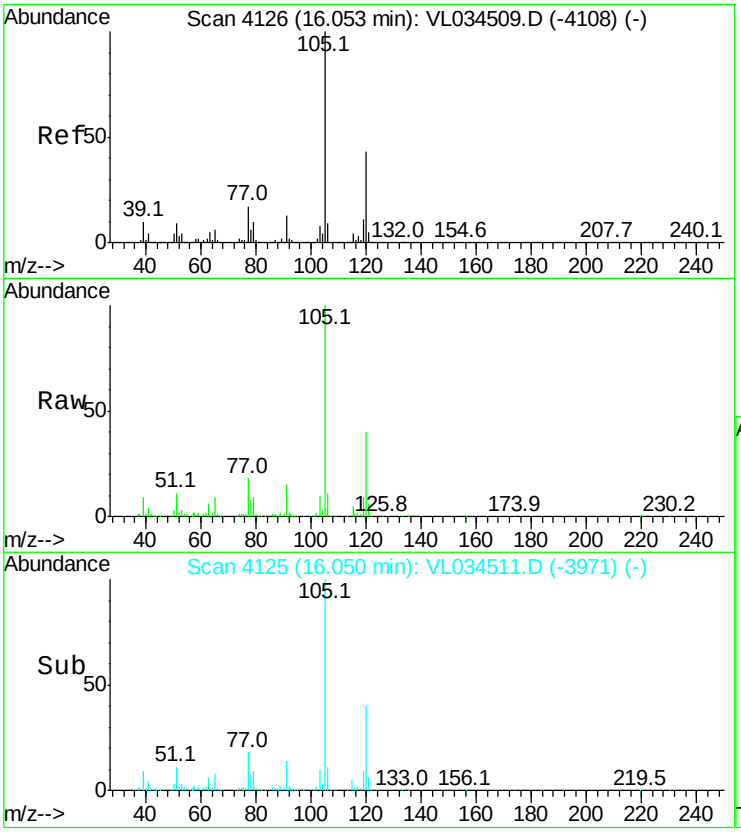


#72
4-Ethyltoluene
Concen: 0.884 ppbv
RT: 15.89 min Scan# 4075
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:105 Resp: 293507

Ion	Ratio	Lower	Upper
105	100		
120	29.4	23.7	35.5
91	15.9	11.5	17.3
77	16.5	12.7	19.1



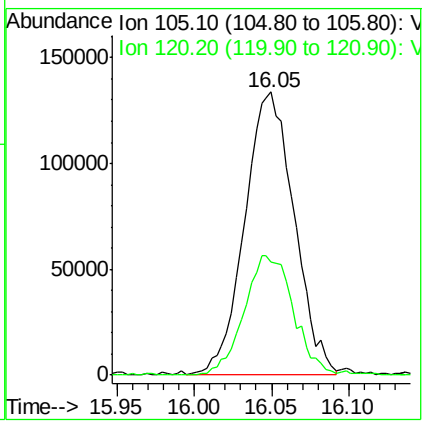


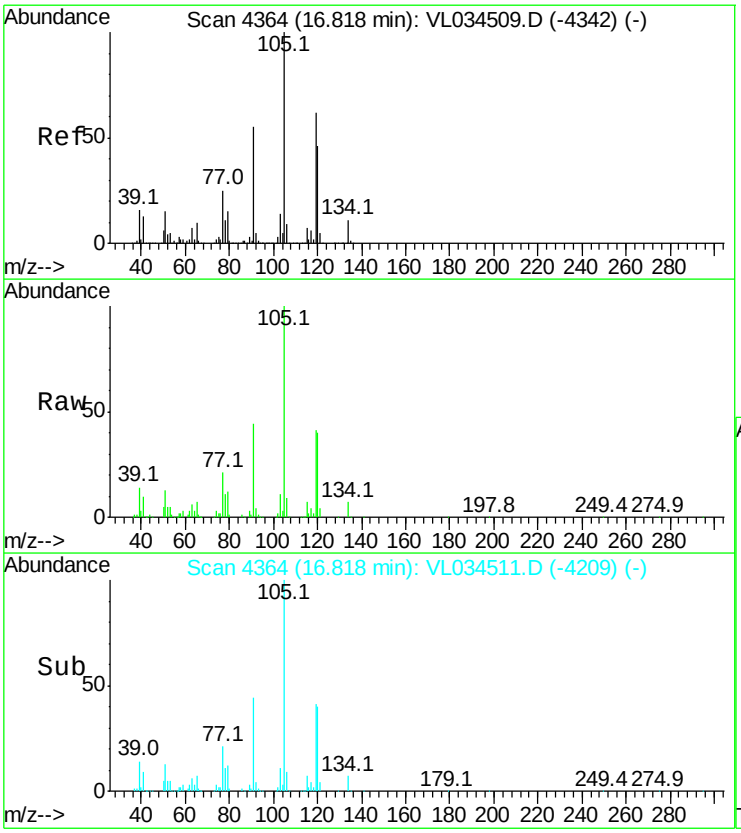
#73
1,3,5-Trimethylbenzene
Concen: 0.916 ppbv
RT: 16.05 min Scan# 4125
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 297815

Ion	Ratio	Lower	Upper
105	100		
120	40.1	34.6	52.0

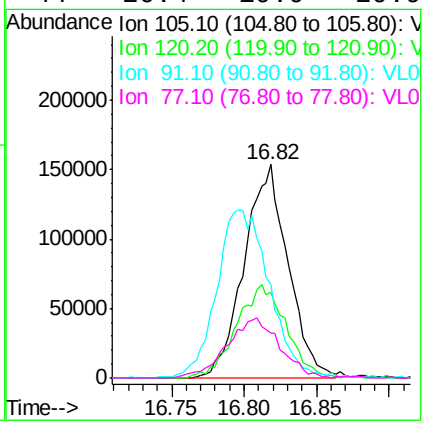


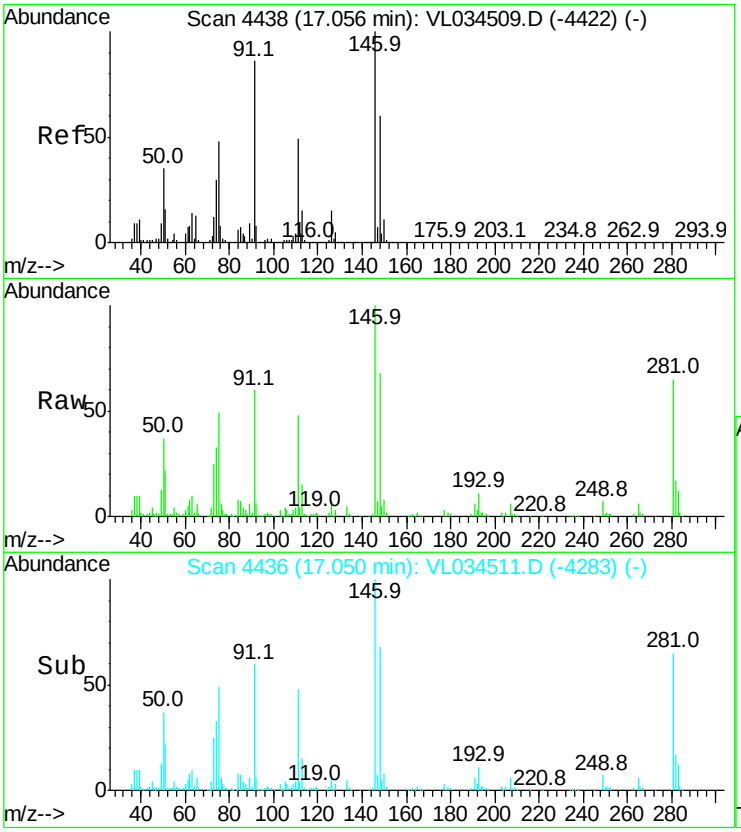


#74
1,2,4-Trimethylbenzene
Concen: 0.938 ppbv
RT: 16.82 min Scan# 4364
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:105 Resp: 324018

Ion	Ratio	Lower	Upper
105	100		
120	40.1	36.7	55.1
91	42.9	44.0	66.0#
77	20.4	19.9	29.9



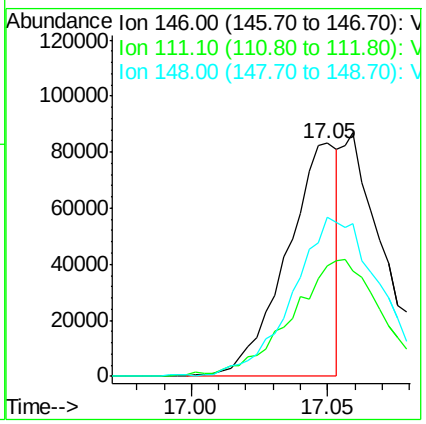


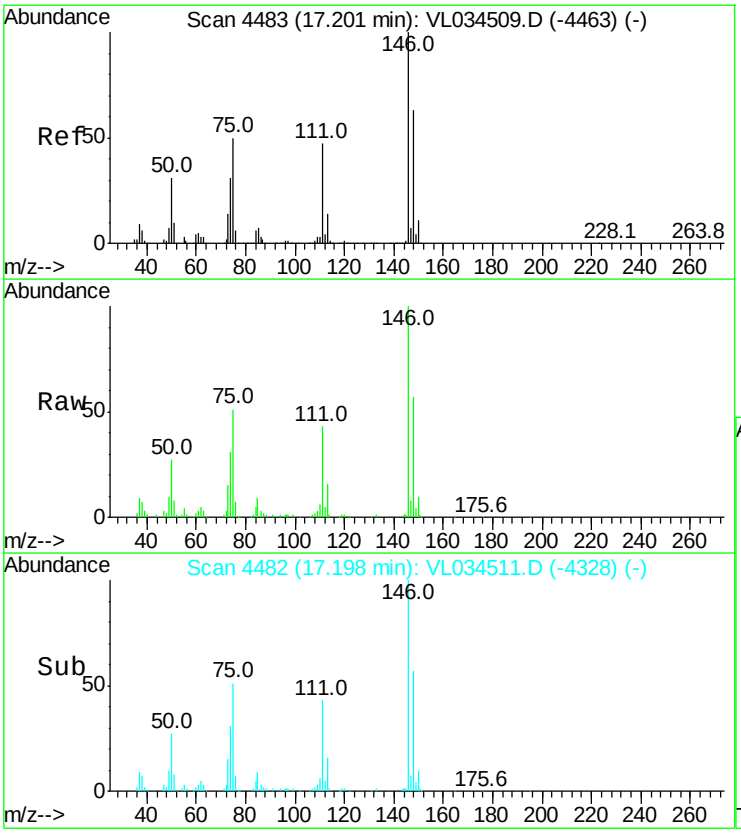
#75
1,3-Dichlorobenzene
Concen: 0.544 ppbv
RT: 17.05 min Scan# 4436
Delta R.T. -0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 107924

Ion	Ratio	Lower	Upper
146	100		
111	0.0	25.1	75.3#
148	119.6	33.0	99.0#

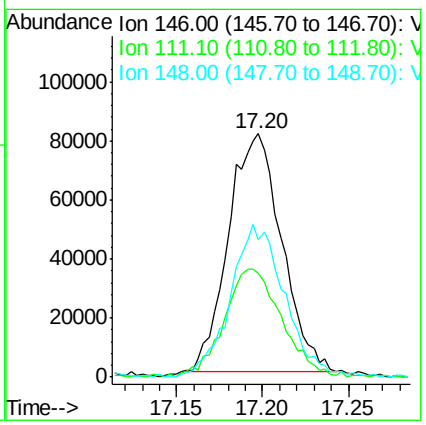


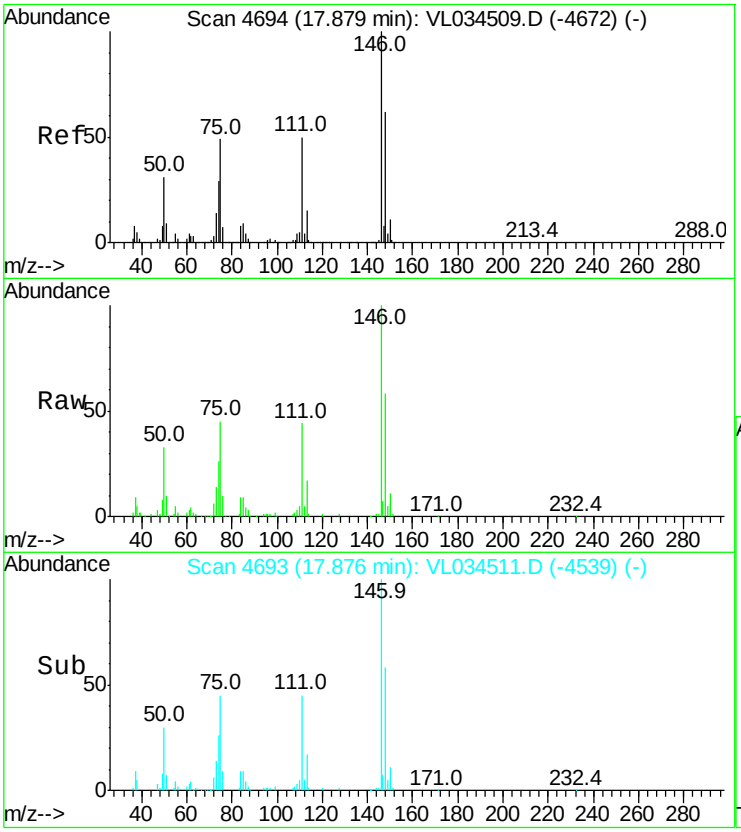


#76
1,4-Dichlorobenzene
Concen: 0.902 ppbv
RT: 17.20 min Scan# 4482
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:146 Resp: 173757

Ion	Ratio	Lower	Upper
146	100		
111	49.7	23.5	70.6
148	66.4	32.1	96.3



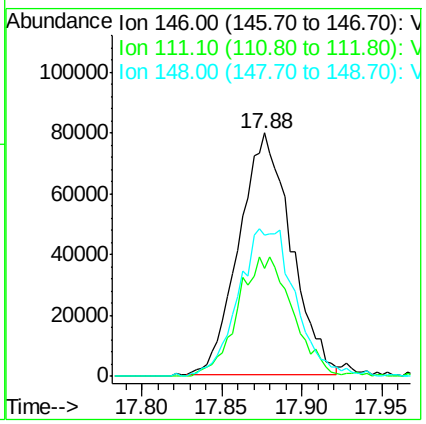


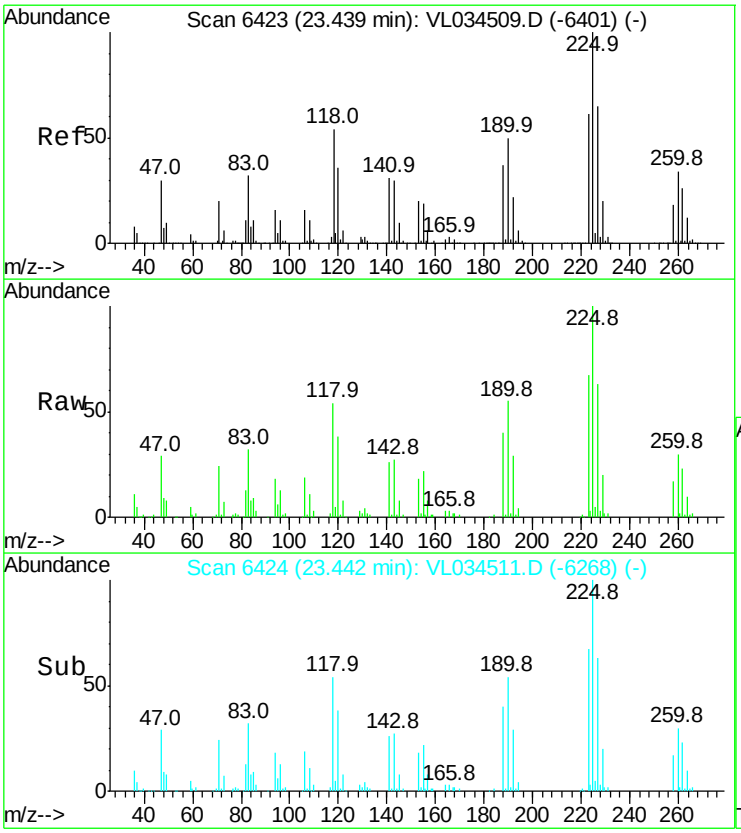
#77
1,2-Dichlorobenzene
Concen: 0.928 ppbv
RT: 17.88 min Scan# 4693
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 177924

Ion	Ratio	Lower	Upper
146	100		
111	52.4	25.3	75.8
148	66.9	32.1	96.3

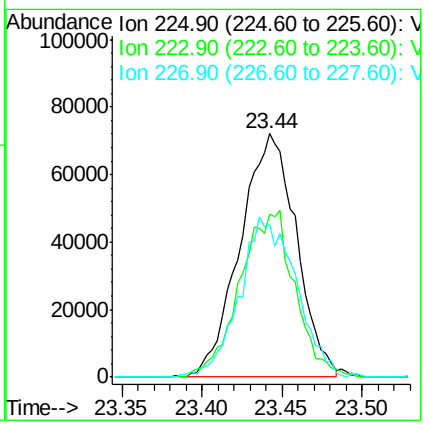


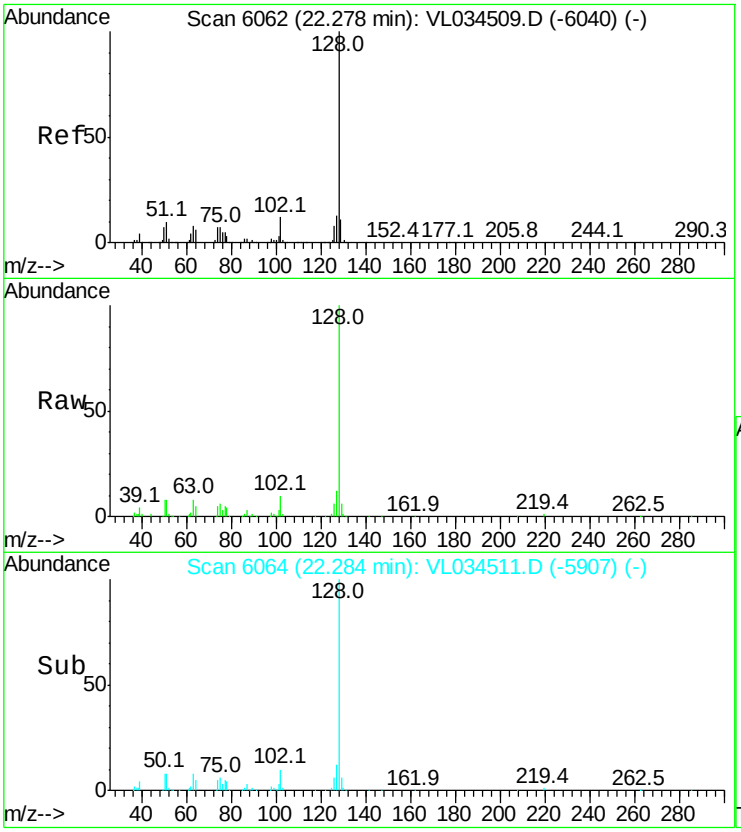


#78
Hexachloro-1,3-Butadiene
Concen: 1.059 ppbv
RT: 23.44 min Scan# 6424
Delta R.T. 0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:225 Resp: 174388

Ion	Ratio	Lower	Upper
225	100		
223	66.8	51.0	76.6
227	66.1	51.8	77.6



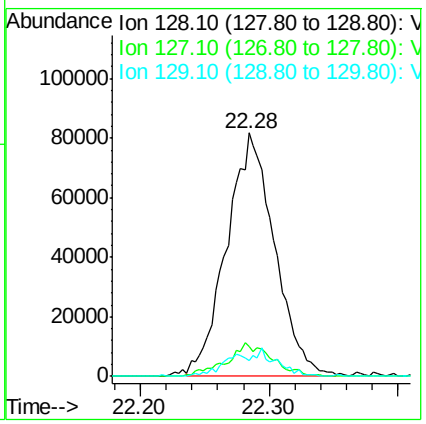


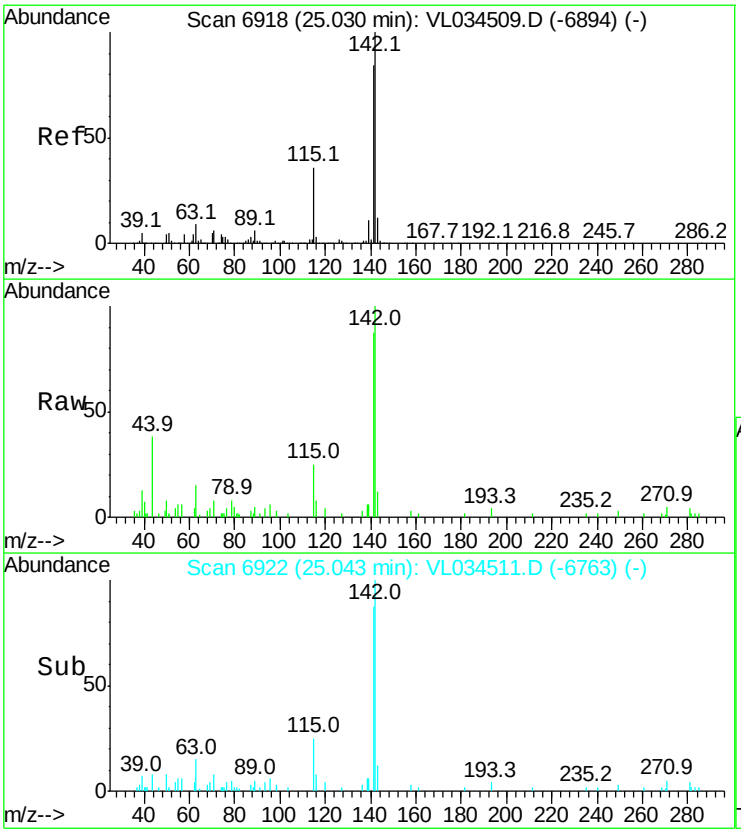
#79
Naphthalene
Concen: 0.702 ppbv
RT: 22.28 min Scan# 6064
Delta R.T. 0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 210278

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	15.8
129	6.3	8.7	13.1#

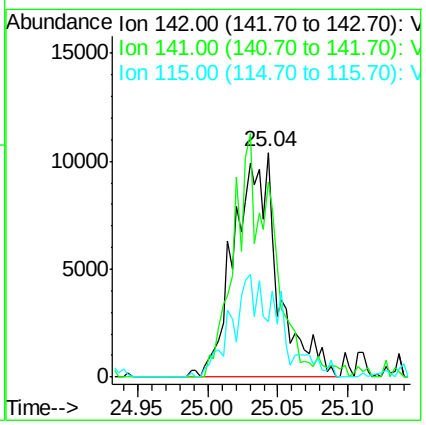


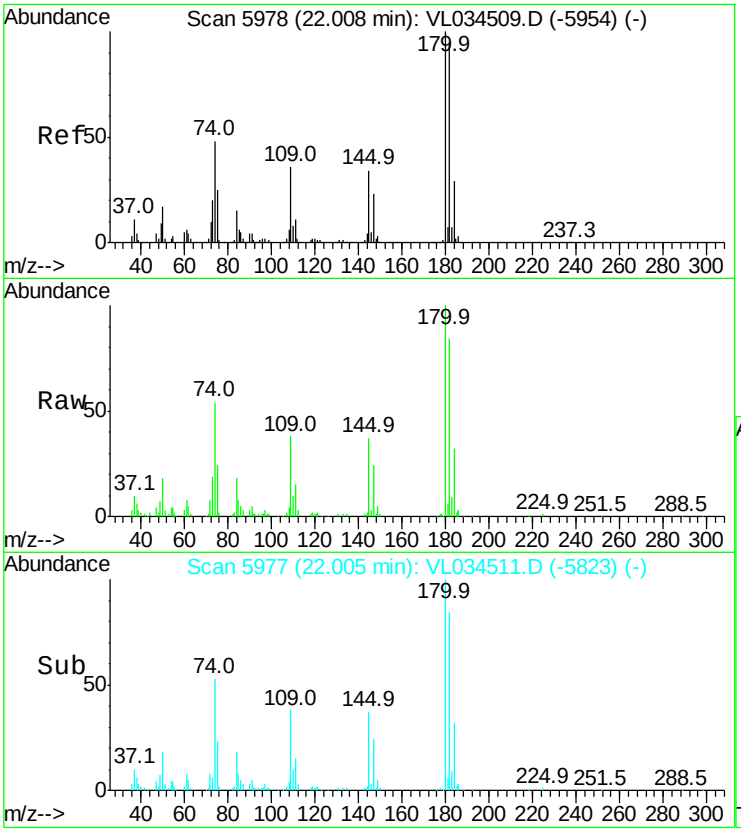


#80
Naphthalene,2-methyl-
Concen: 0.167 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. 0.01 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Tgt Ion:142 Resp: 22509

Ion	Ratio	Lower	Upper
142	100		
141	98.0	65.8	98.8
115	48.9	30.4	45.6#





#81
1,2,4-Trichlorobenzene
Concen: 0.356 ppbv
RT: 22.00 min Scan# 5977
Delta R.T. -0.00 min
Lab File: VL034511.D
Acq: 30 Dec 2019 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 65499

Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.8	116.8#
184	67.9	25.2	37.8#