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

Quantitation Report (Not Reviewed)

Data File : VL034510.D
Acq On : 30 Dec 2019 11:05
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Dec 30 14:22:01 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	1113972	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2240781	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2269189	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1813045	9.50	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	322341	1.599	ppbv	92
3) Chlorodifluoromethane	2.96	51	281591	2.026	ppbv	100
4) Chloromethane	3.11	50	161281	1.967	ppbv	92
5) Vinyl Chloride	3.23	62	150630	1.961	ppbv	93
6) Bromomethane	3.45	94	79499	2.057	ppbv	91
7) Chloroethane	3.53	64	56235	2.017	ppbv	91
8) Dichlorotetrafluoroethane	3.16	85	382816	2.115	ppbv	95
9) Propene	2.98	41	107291	1.739	ppbv	97
10) Heptane	8.15	43	281757	1.769	ppbv	99
11) Trichlorofluoromethane	3.93	101	430451	2.146	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	278682	2.092	ppbv	99
13) Ethanol	3.58	45	34687	2.018	ppbv	92
14) Bromoethene	3.72	108	106376	1.964	ppbv	96
15) Acetone	3.83	43	356094	2.232	ppbv	96
16) 1,3-Butadiene	3.30	39	129540	1.864	ppbv	96
17) tert-Butyl alcohol	4.28	59	283398	2.114	ppbv	99
18) 1,1-Dichloroethene	4.27	96	119272	2.047	ppbv	95
19) Isopropyl Alcohol	3.95	45	229913	2.249	ppbv #	98
20) Methylene Chloride	4.33	84	146843	2.596	ppbv	94
21) Allyl Chloride	4.40	41	192442	2.013	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	118036	2.010	ppbv	97
23) Vinyl Acetate	5.07	43	418128	2.007	ppbv #	99
24) 1,1-Dichloroethane	5.00	63	319952	1.999	ppbv	97
25) Ethyl Acetate	5.68	43	548639	1.927	ppbv	99
26) Hexane	5.69	57	229918	1.880	ppbv	98
27) Carbon Disulfide	4.54	76	283257	2.126	ppbv	95
28) Methyl tert-Butyl Ether	5.03	73	394717	1.946	ppbv	100
29) Chloroform	5.76	83	394980	1.994	ppbv	97
30) Cyclohexane	7.14	84	167266	1.809	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	230921	1.827	ppbv	93
32) 1,1,1-Trichloroethane	6.52	97	389294	2.096	ppbv	100
34) 2-Butanone	5.24	43	341485	1.851	ppbv	100
35) Carbon Tetrachloride	7.03	117	419295	2.176	ppbv	93
36) Benzene	6.90	78	421341	1.881	ppbv	98
37) 1,2-Dichloroethane	6.32	62	330283	1.985	ppbv	99
38) Trichloroethene	7.86	130	167597	1.823	ppbv	89
39) 1,2-Dichloropropane	7.64	63	171999	1.993	ppbv	95
40) 1,4-Dioxane	7.86	88	31464	0.835	ppbv #	1
41) Tetrahydrofuran	6.06	42	179558	1.736	ppbv	97
42) Bromodichloromethane	7.81	83	417302	2.005	ppbv	97
43) Methyl Methacrylate	8.03	69	169762	1.827	ppbv	99

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

Quantitation Report (Not Reviewed)

Data File : VL034510.D
Acq On : 30 Dec 2019 11:05
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Dec 30 14:22:01 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	782007	1.910	ppbv		99
45) t-1,3-Dichloropropene	9.31	75	211285	1.773	ppbv		96
46) cis-1,3-Dichloropropene	8.73	75	248359	1.856	ppbv		99
47) 1,1,2-Trichloroethane	9.51	97	182913	1.905	ppbv		98
48) Dibromochloromethane	10.34	129	330927	2.008	ppbv		99
49) Bromoform	13.09	173	295422	2.008	ppbv		99
50) 4-Methyl-2-Pentanone	8.77	43	507540	1.902	ppbv		100
51) 2-Hexanone	10.17	43	416743	1.864	ppbv	#	97
52) Tetrachloroethene	11.26	164	95351	0.984	ppbv		96
53) Toluene	9.84	91	468510	1.841	ppbv		99
54) 1,2-Dibromoethane	10.65	107	277516	1.886	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.17	131	230872	2.080	ppbv	#	1
57) Chlorobenzene	12.19	112	391433	1.908	ppbv		97
58) Ethyl Benzene	12.75	91	678030	1.925	ppbv		95
59) m/p-Xylene	13.04	91	619581	2.035	ppbv	#	46
60) o-Xylene	13.74	91	580085	1.927	ppbv		99
61) Styrene	13.58	104	404270	1.863	ppbv		99
62) Isopropylbenzene	14.72	105	760698	1.911	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.73	83	427658	1.890	ppbv		99
64) n-propylbenzene	15.62	120	190092	1.839	ppbv		80
65) tert-Butylbenzene	16.80	119	723826	2.024	ppbv		98
66) Benzyl Chloride	17.04	91	188329	1.369	ppbv	#	82
67) sec-Butylbenzene	17.35	105	1015569	2.031	ppbv		97
69) p-Isopropyltoluene	17.70	119	833233	2.007	ppbv		99
70) n-Butylbenzene	18.60	91	907758	2.032	ppbv		96
71) 2-Chlorotoluene	15.51	91	610556	1.924	ppbv		99
72) 4-Ethyltoluene	15.89	105	673611	1.937	ppbv		98
73) 1,3,5-Trimethylbenzene	16.05	105	652429	1.917	ppbv		99
74) 1,2,4-Trimethylbenzene	16.82	105	696481	1.926	ppbv		98
75) 1,3-Dichlorobenzene	17.05	146	244182	1.175	ppbv	#	51
76) 1,4-Dichlorobenzene	17.20	146	390626	1.935	ppbv		98
77) 1,2-Dichlorobenzene	17.87	146	391770	1.952	ppbv		100
78) Hexachloro-1,3-Butadiene	23.43	225	166566	0.966	ppbv	#	18
79) Naphthalene	22.28	128	282825	0.902	ppbv		98
80) Naphthalene,2-methyl-	25.03	142	75330	0.532	ppbv		96
81) 1,2,4-Trichlorobenzene	22.01	180	332575	1.727	ppbv		99

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

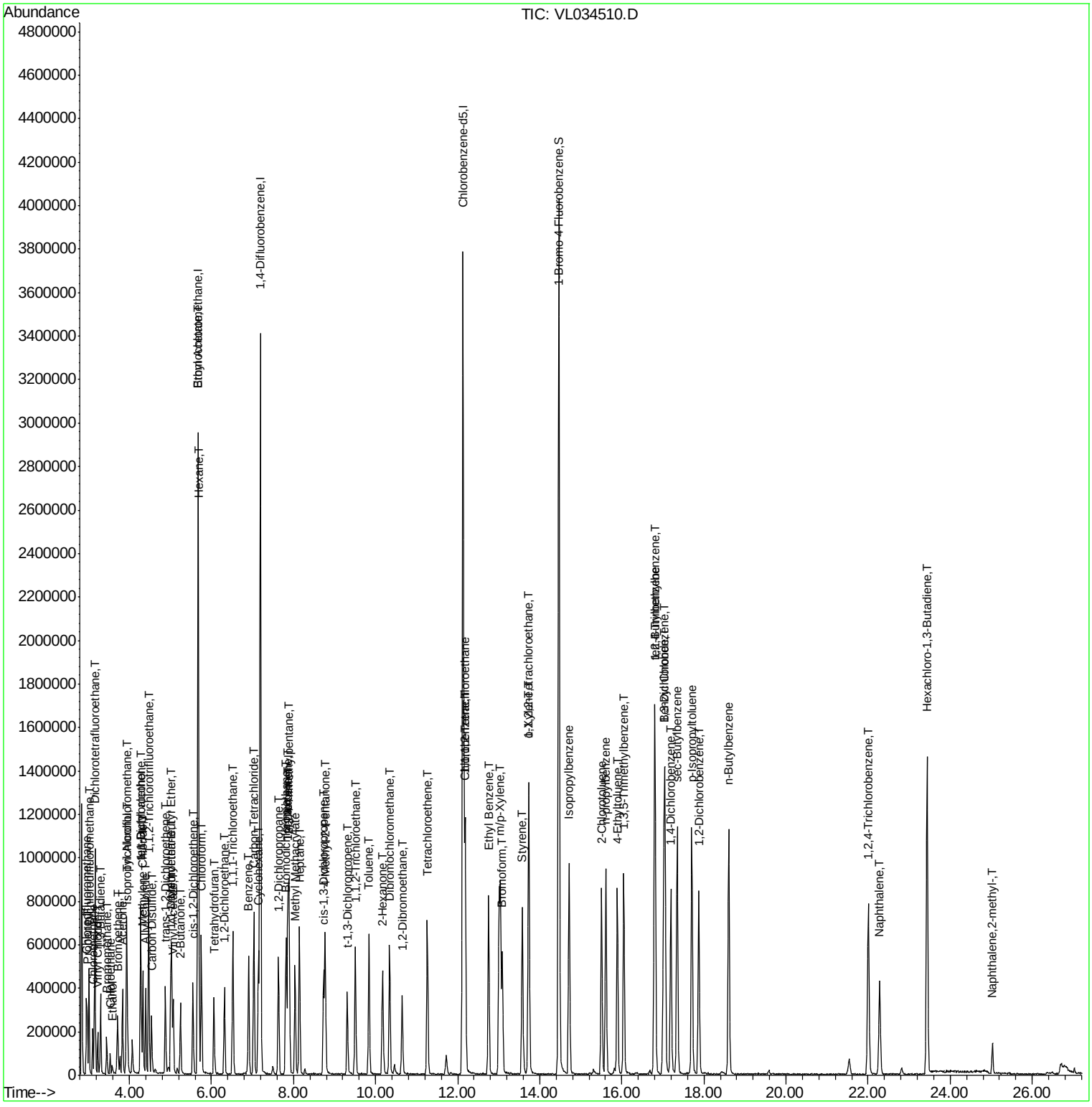
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\

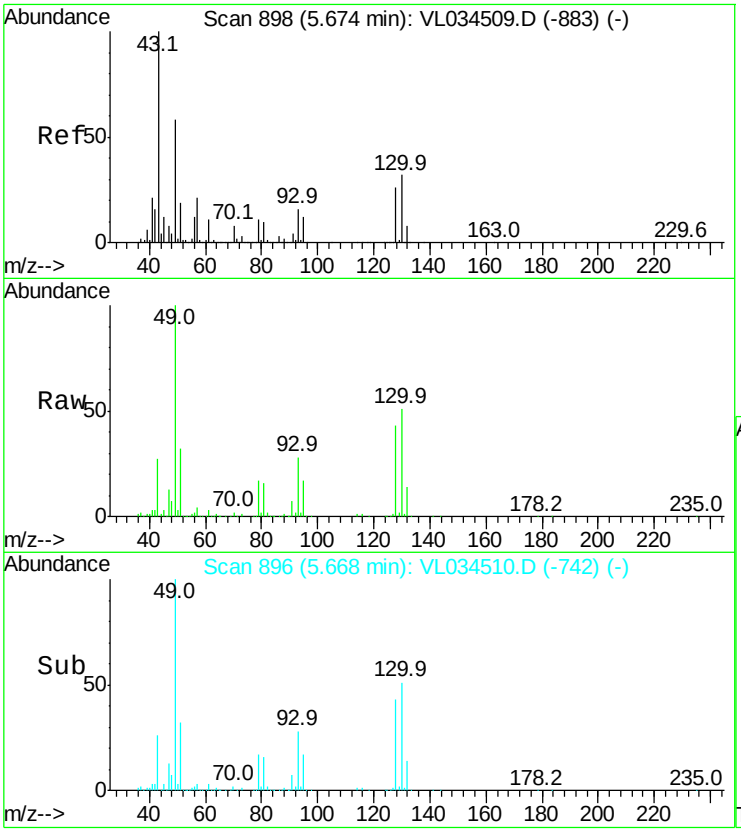
Quantitation Report (Not Reviewed)

Data File : VL034510.D
Acq On : 30 Dec 2019 11:05
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Dec 30 14:22:01 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



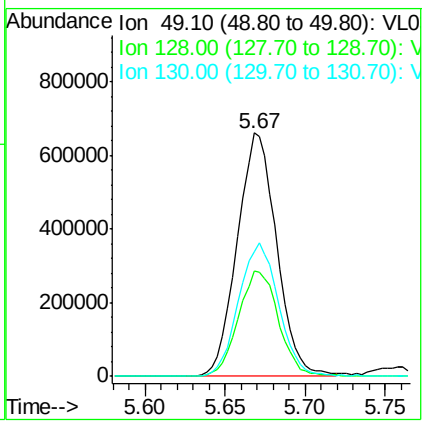


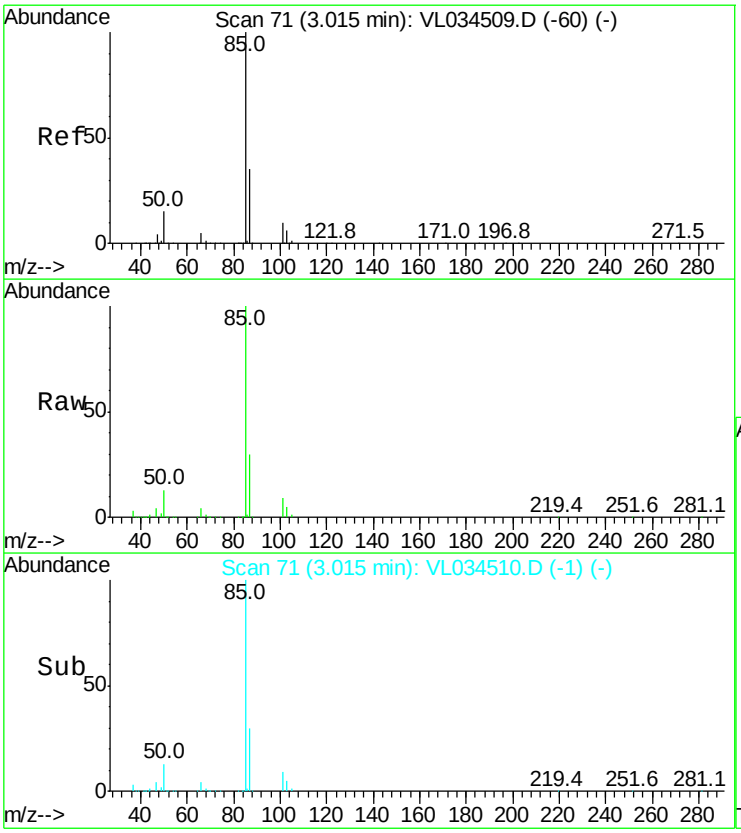
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 1113972

Ion	Ratio	Lower	Upper
49	100		
128	44.3	22.4	67.2
130	55.8	28.3	85.0

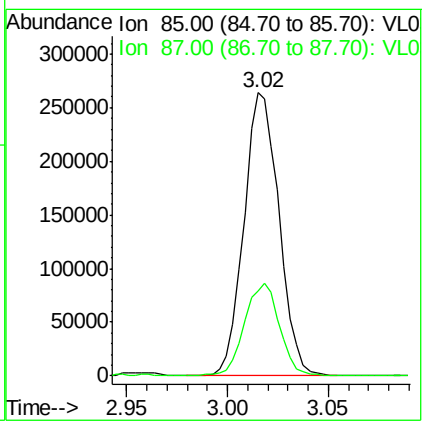


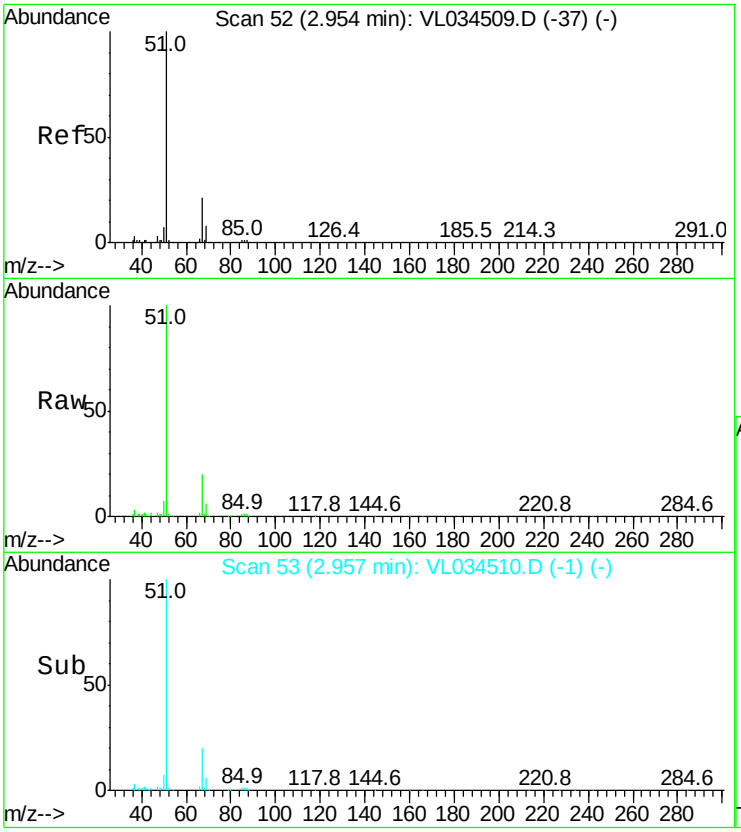


#2
Dichlorodifluoromethane
Concen: 1.599 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 85 Resp: 322341

Ion	Ratio	Lower	Upper
85	100		
87	30.1	27.9	41.9



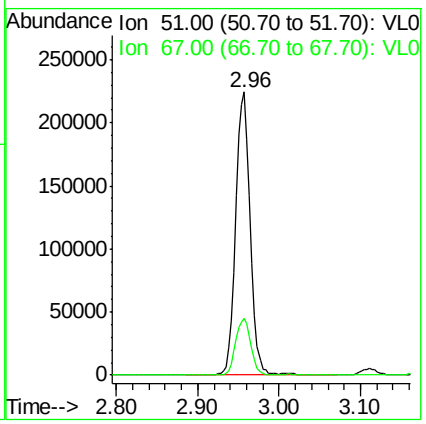


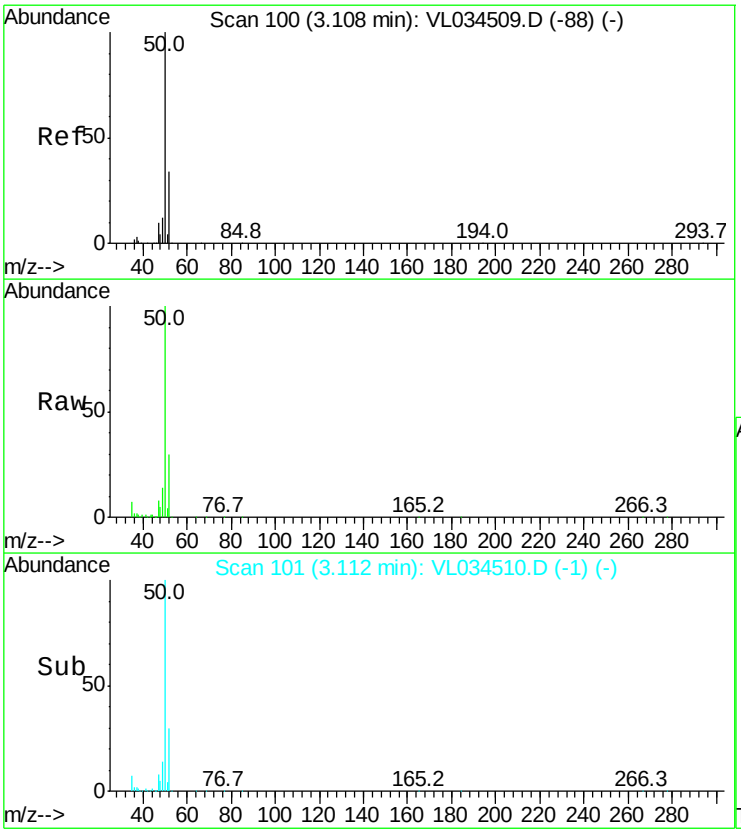
#3
Chlorodifluoromethane
Concen: 2.026 ppbv
RT: 2.96 min Scan# 53
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 281591

Ion	Ratio	Lower	Upper
51	100		
67	20.9	16.8	25.2

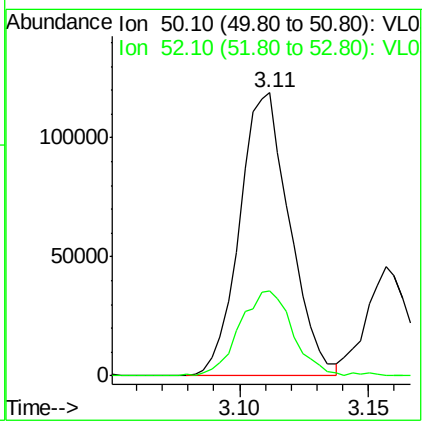


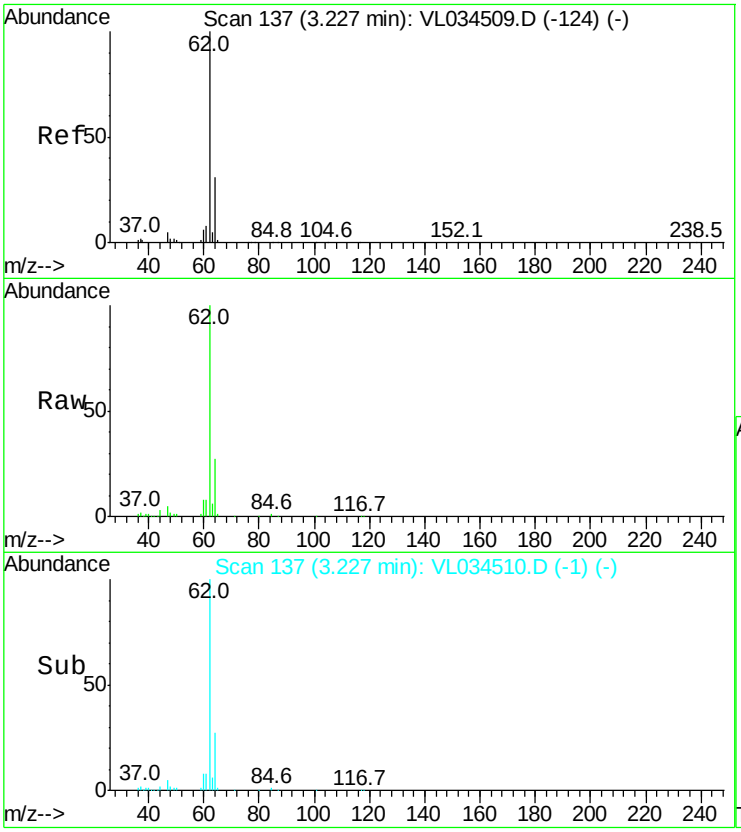


#4
Chloromethane
Concen: 1.967 ppbv
RT: 3.11 min Scan# 101
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 50 Resp: 161281

Ion	Ratio	Lower	Upper
50	100		
52	29.8	27.6	41.4



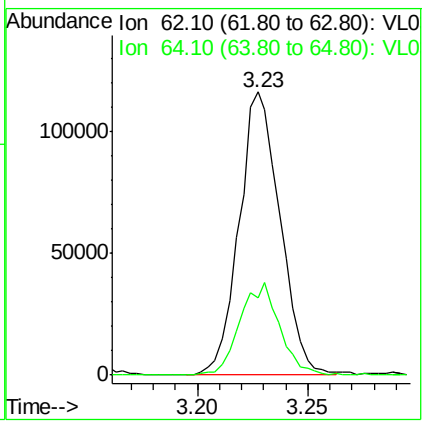


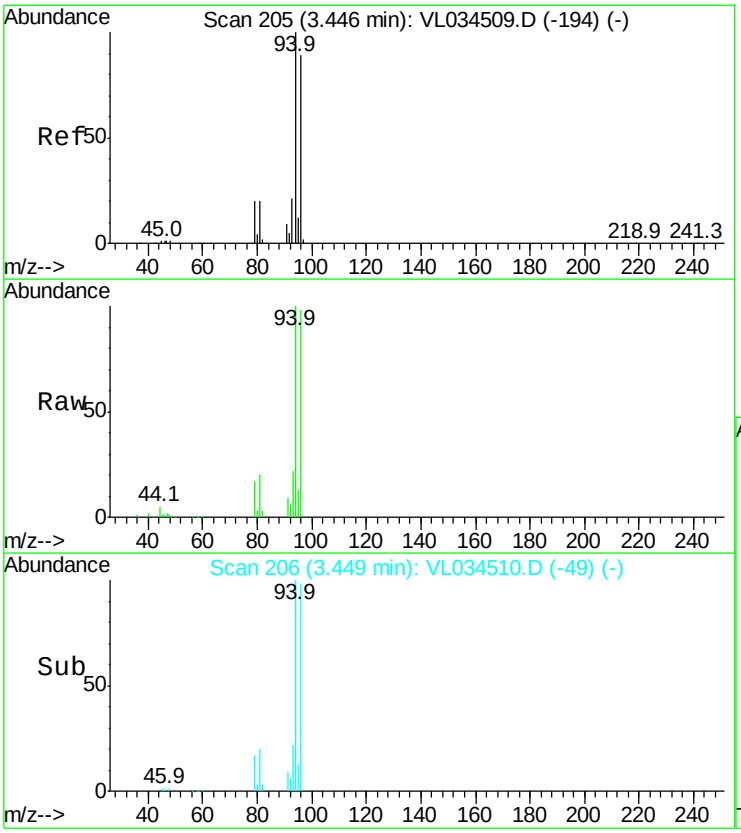
#5
Vinyl Chloride
Concen: 1.961 ppbv
RT: 3.23 min Scan# 137
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 150630

Ion	Ratio	Lower	Upper
62	100		
64	27.4	24.9	37.3

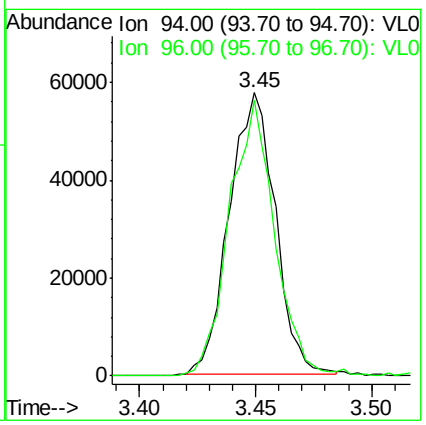


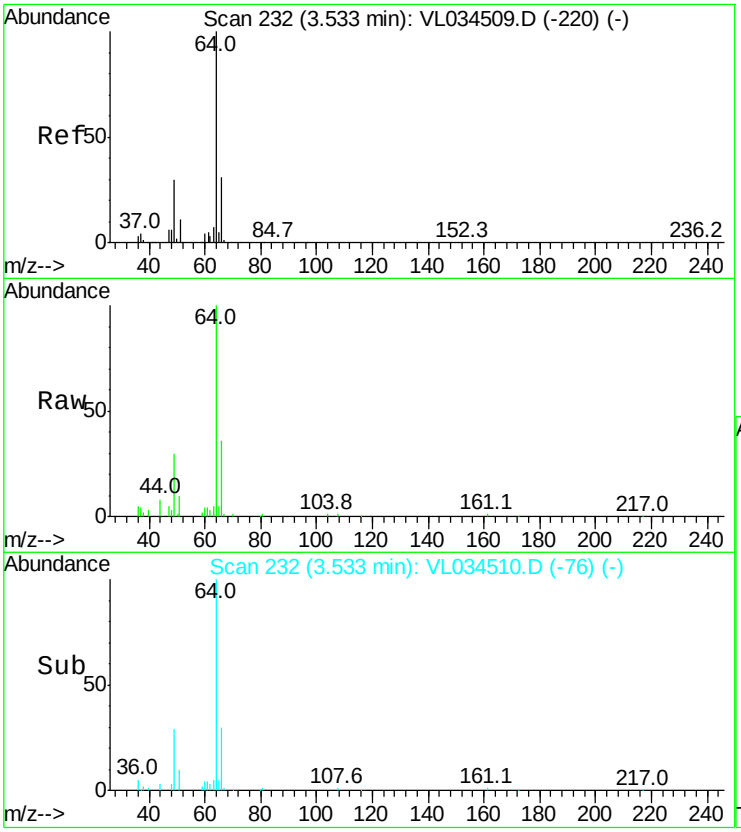


#6
Bromomethane
Concen: 2.057 ppbv
RT: 3.45 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 94 Resp: 79499

Ion	Ratio	Lower	Upper
94	100		
96	97.1	71.2	106.8



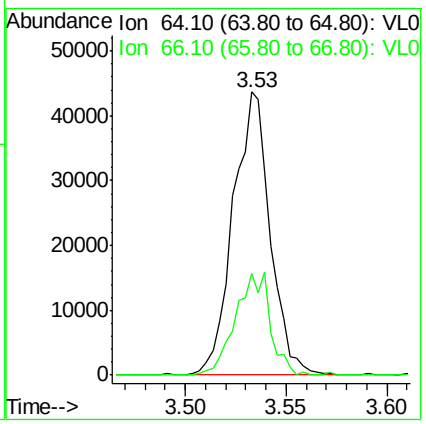


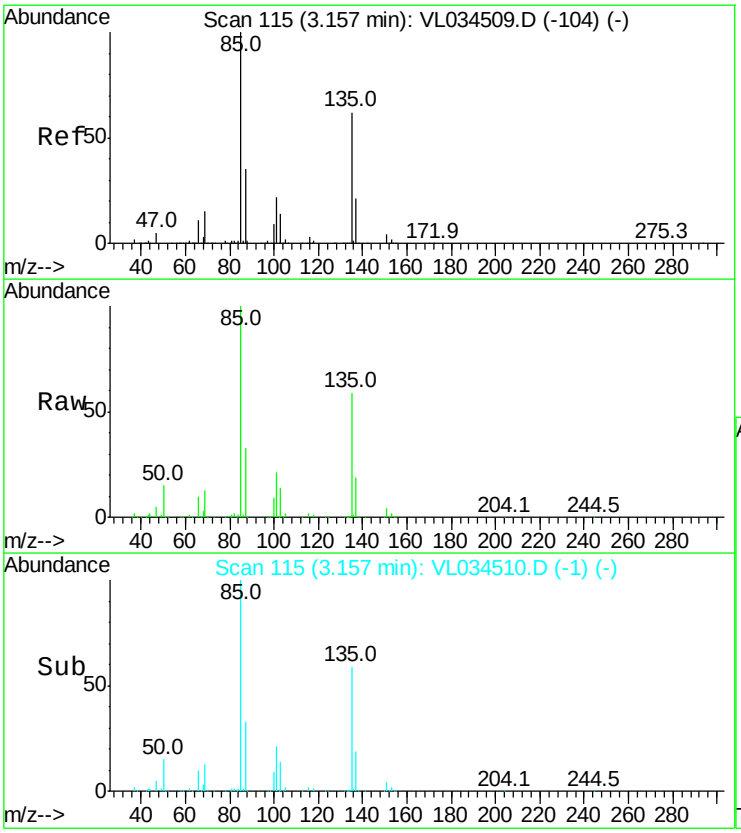
#7
Chloroethane
Concen: 2.017 ppbv
RT: 3.53 min Scan# 232
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 56235

Ion	Ratio	Lower	Upper
64	100		
66	35.9	25.0	37.4

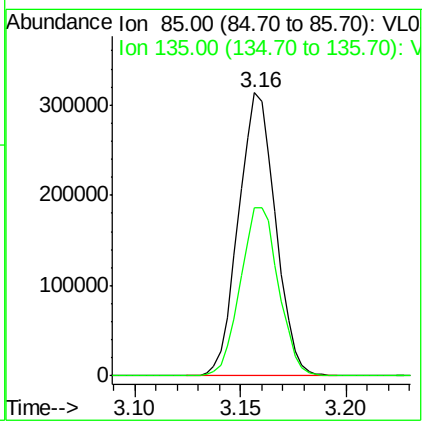


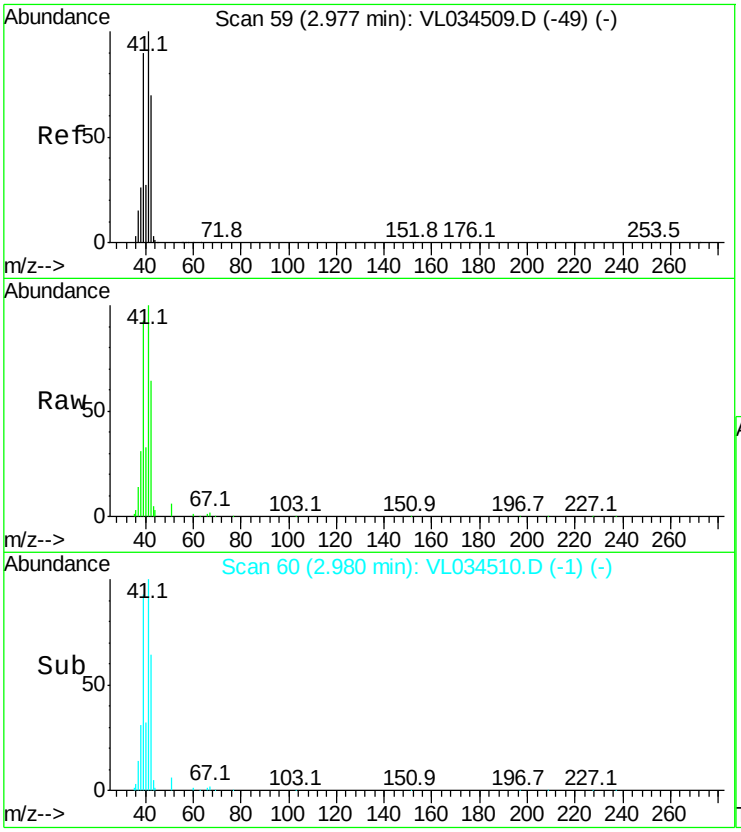


#8
Dichlorotetrafluoroethane
Concen: 2.115 ppbv
RT: 3.16 min Scan# 115
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 85 Resp: 382816

Ion	Ratio	Lower	Upper
85	100		
135	61.2	51.8	77.8



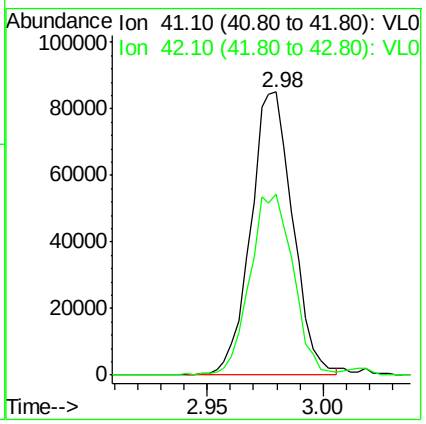


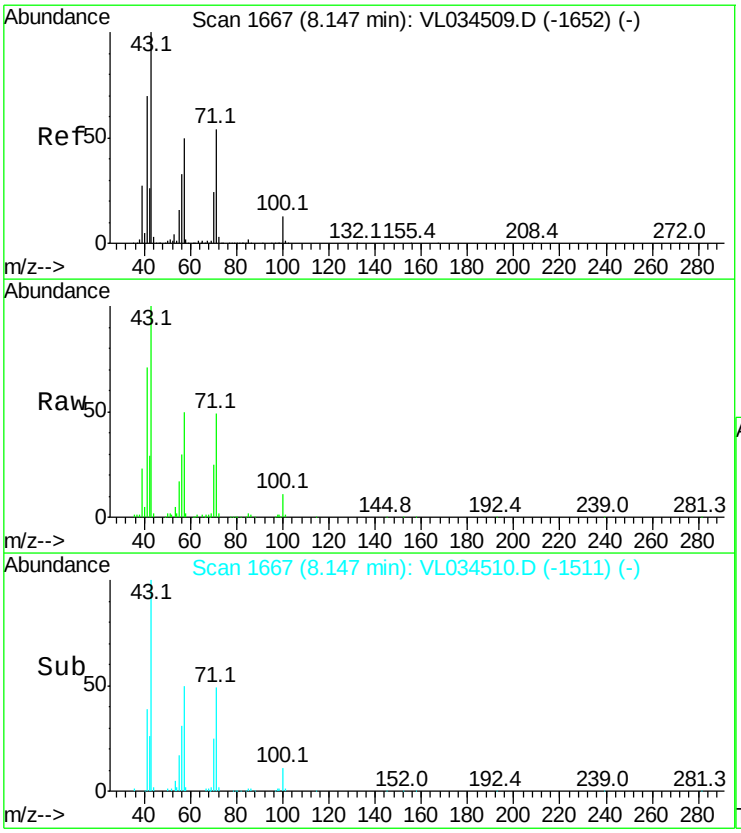
#9
Propene
Concen: 1.739 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 107291

Ion	Ratio	Lower	Upper
41	100		
42	67.3	55.8	83.6

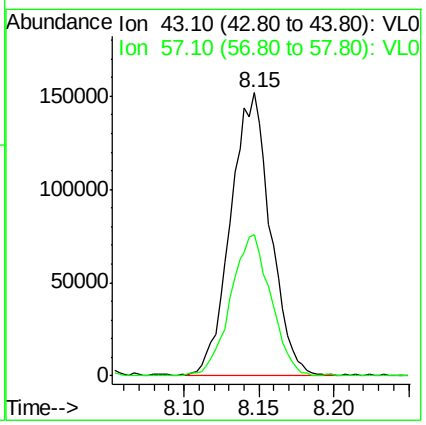


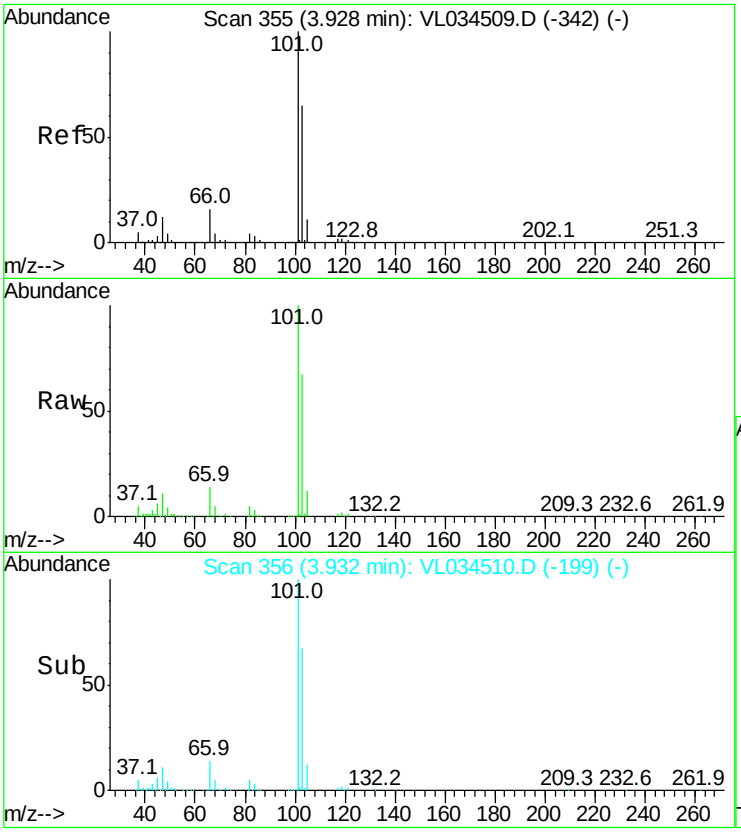


#10
Heptane
Concen: 1.769 ppbv
RT: 8.15 min Scan# 1667
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 43 Resp: 281757

Ion	Ratio	Lower	Upper
43	100		
57	50.4	41.0	61.6



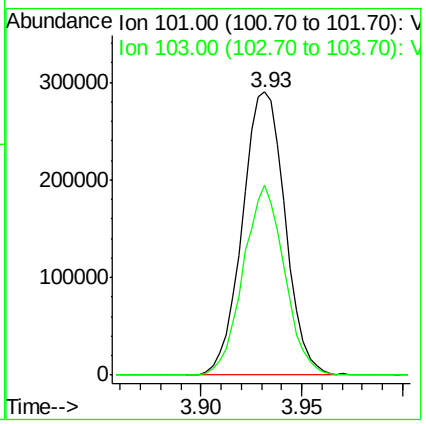


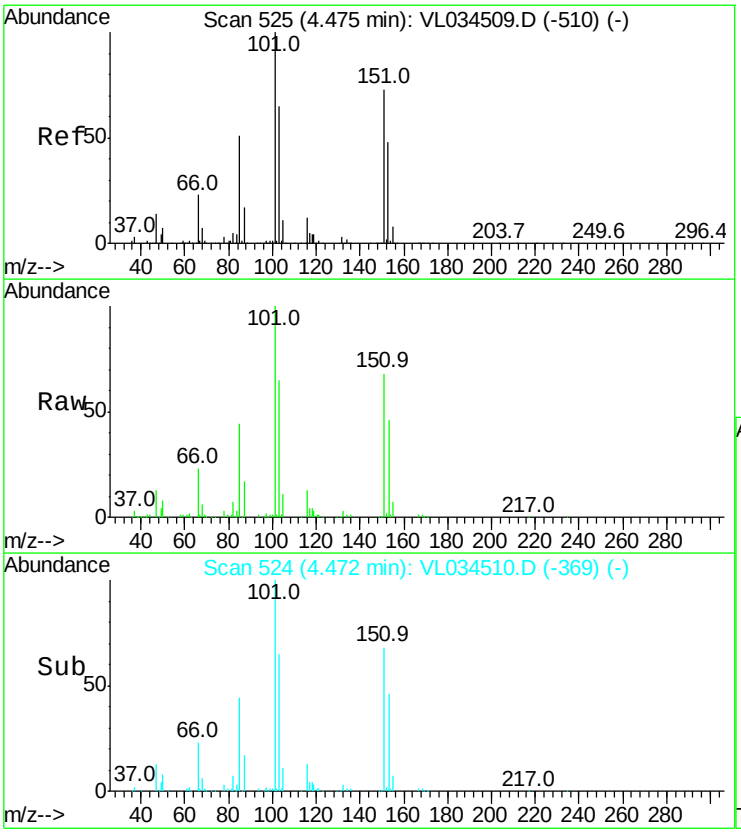
#11
Trichlorofluoromethane
Concen: 2.146 ppbv
RT: 3.93 min Scan# 356
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 430451

Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.1	78.1

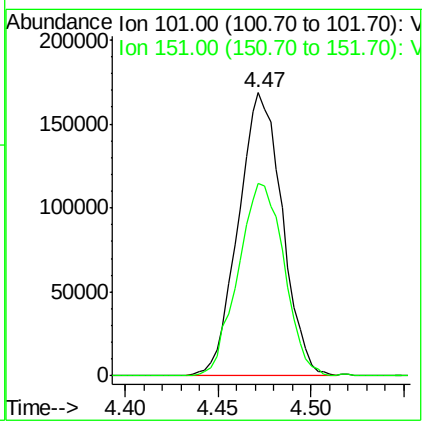


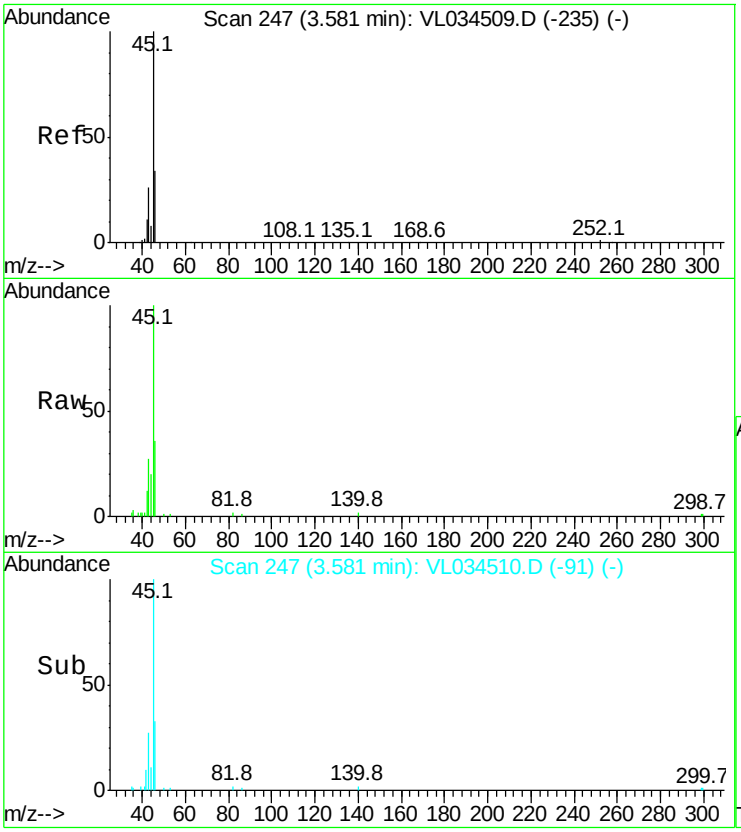


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.092 ppbv
RT: 4.47 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:101 Resp: 278682

Ion	Ratio	Lower	Upper
101	100		
151	71.4	57.8	86.6



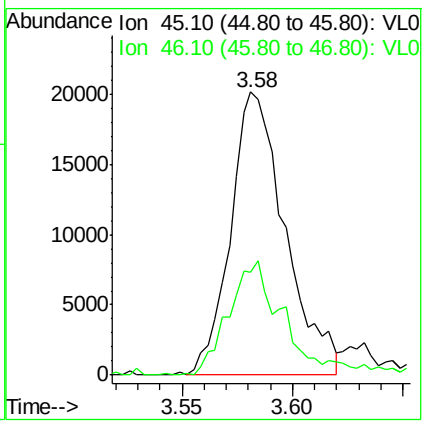


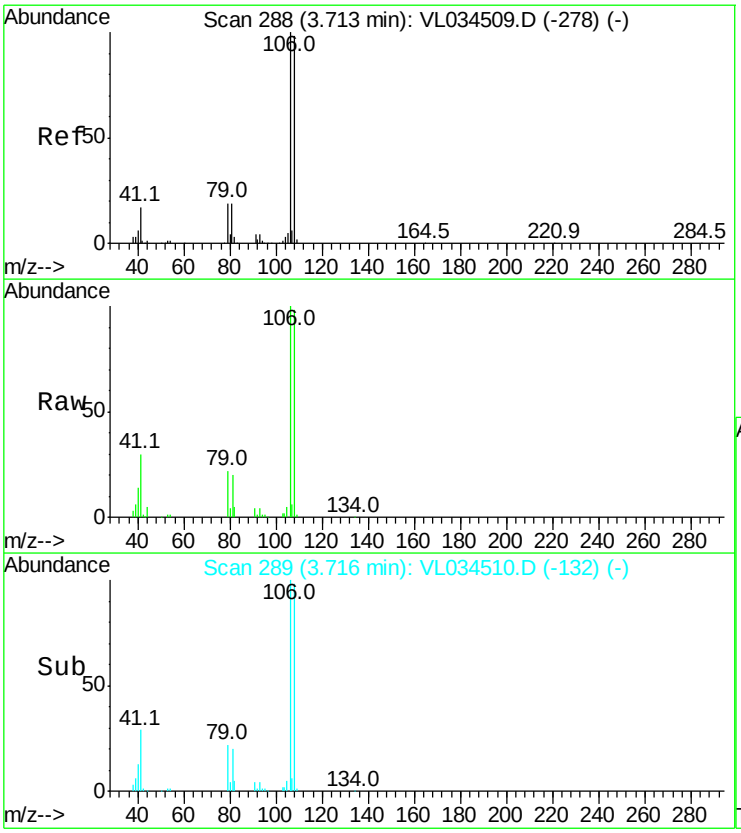
#13
Ethanol
Concen: 2.018 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 34687

Ion	Ratio	Lower	Upper
45	100		
46	42.1	14.9	59.7

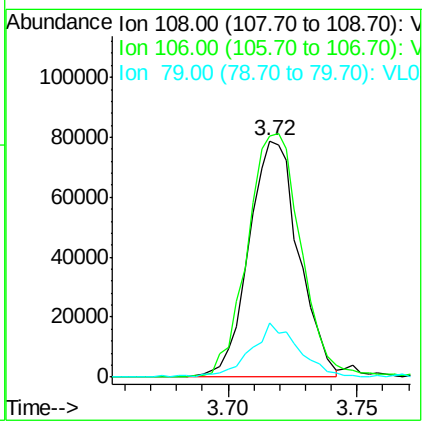


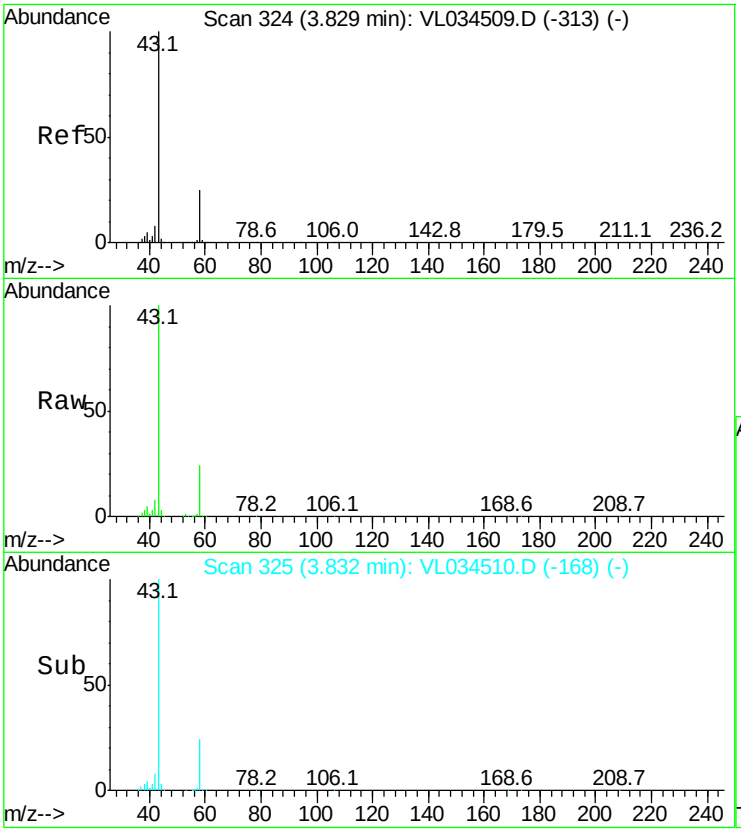


#14
Bromoethene
Concen: 1.964 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:108 Resp: 106376

Ion	Ratio	Lower	Upper
108	100		
106	111.2	85.2	127.8
79	23.0	17.4	26.2



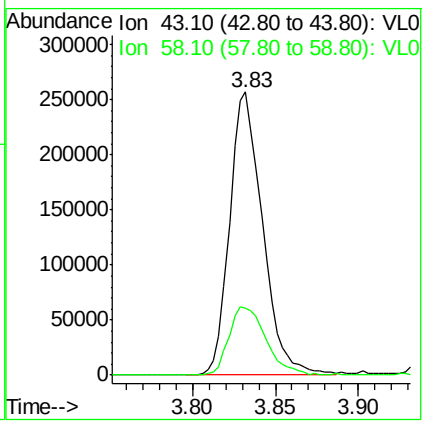


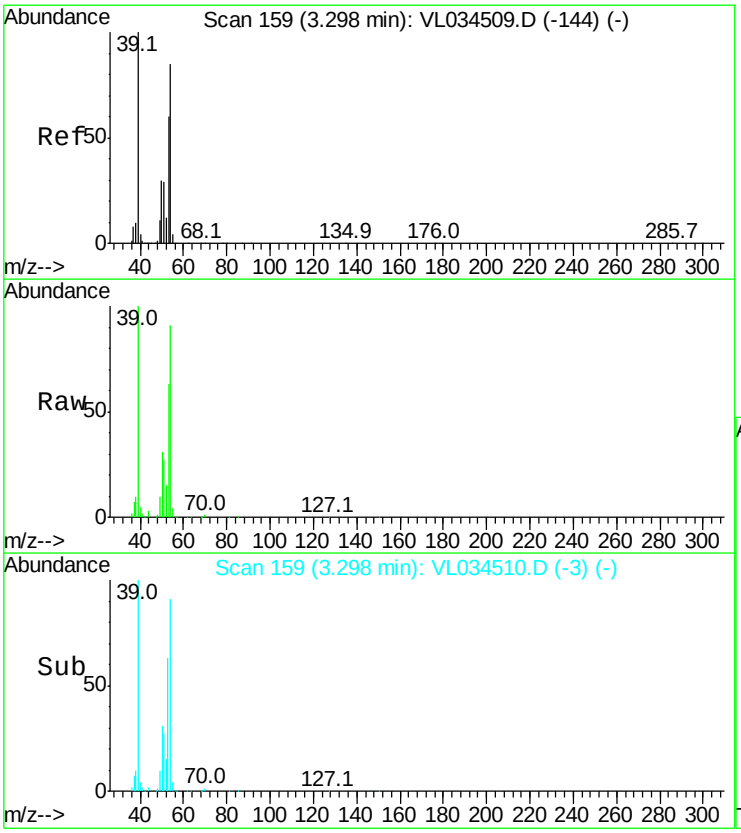
#15
Acetone
Concen: 2.232 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 356094

Ion	Ratio	Lower	Upper
43	100		
58	27.4	20.4	30.6

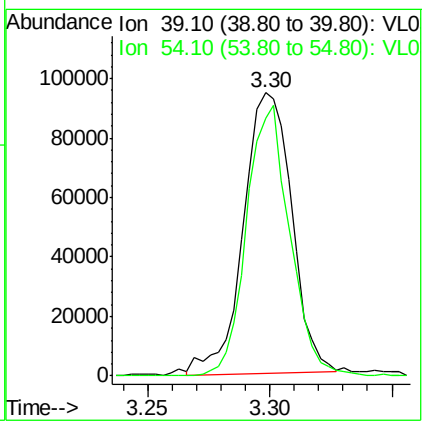


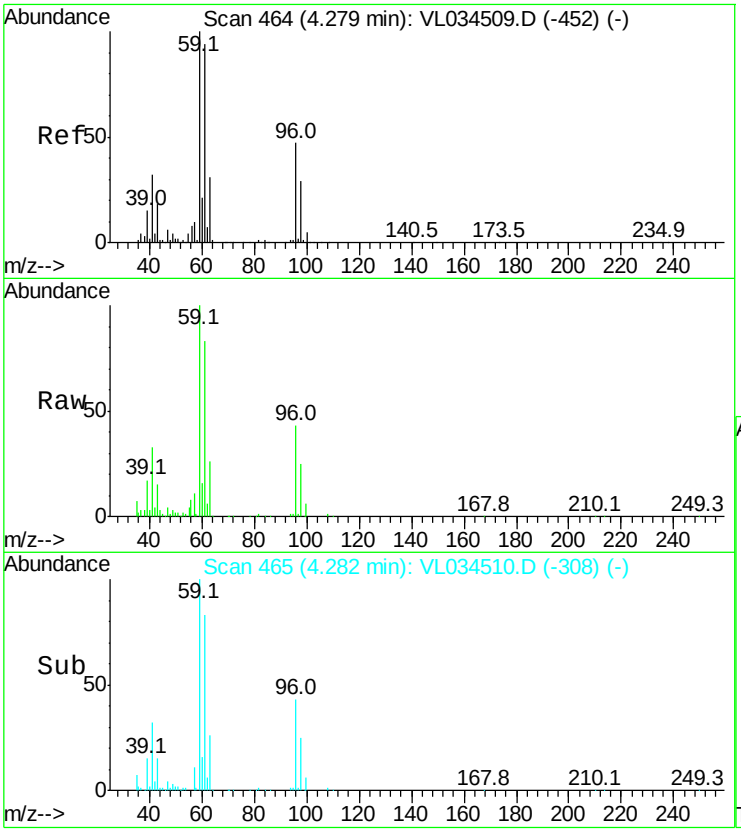


#16
1,3-Butadiene
Concen: 1.864 ppbv
RT: 3.30 min Scan# 159
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 39 Resp: 129540

Ion	Ratio	Lower	Upper
39	100		
54	86.3	66.2	99.2



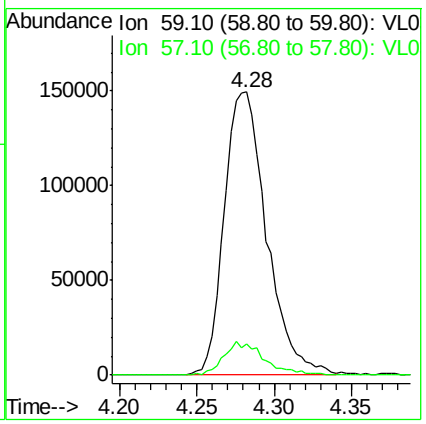


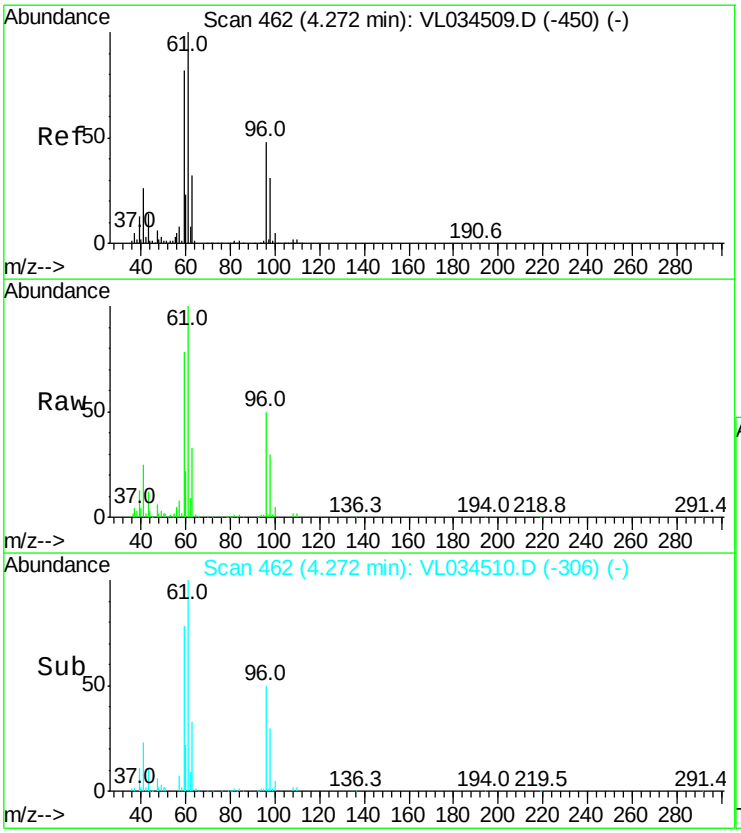
#17
tert-Butyl alcohol
Concen: 2.114 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 59 Resp: 283398

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8

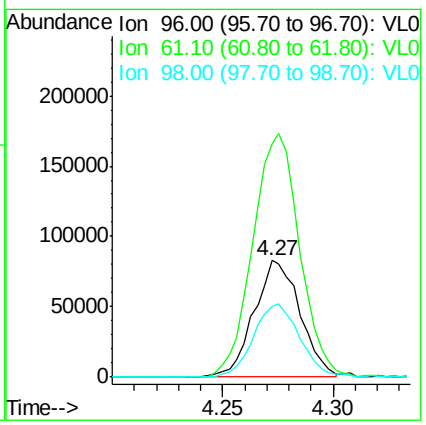


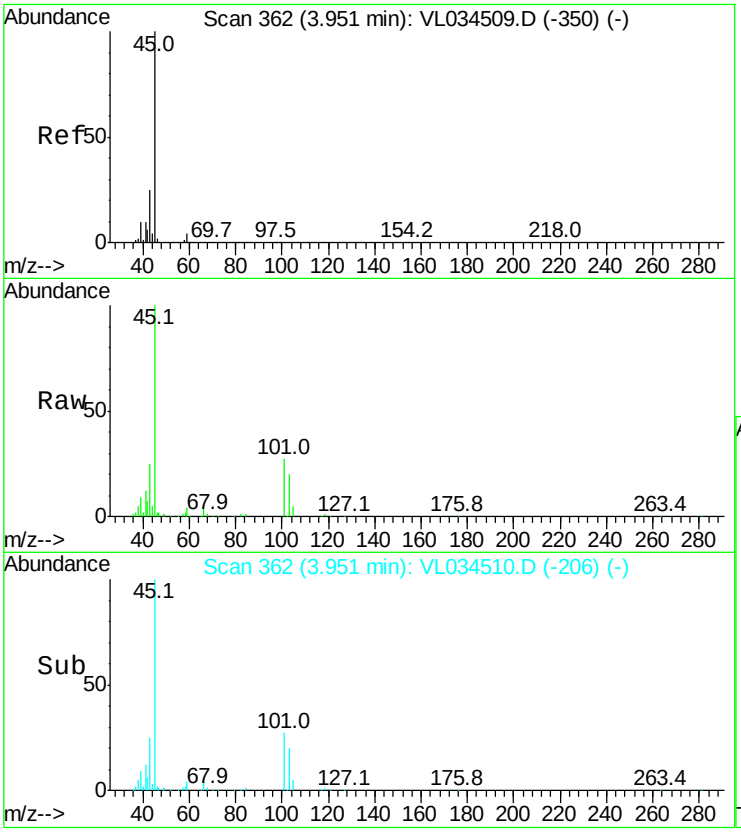


#18
1,1-Dichloroethene
Concen: 2.047 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 96 Resp: 119272

Ion	Ratio	Lower	Upper
96	100		
61	200.1	165.9	248.9
98	61.0	51.9	77.9



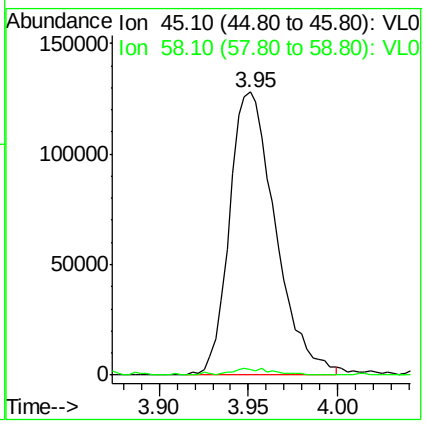


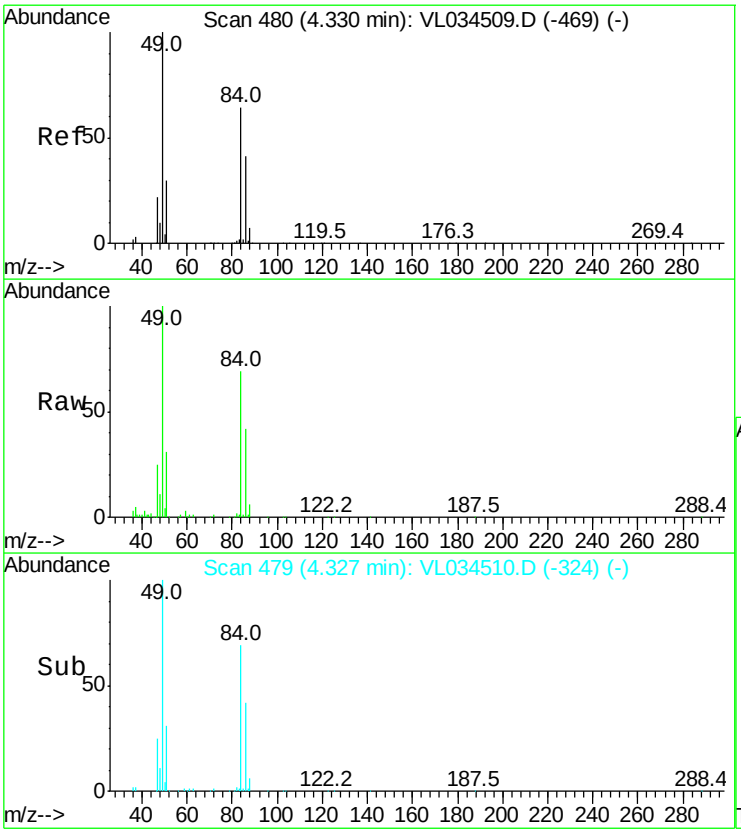
#19
Isopropyl Alcohol
Concen: 2.249 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 229913

Ion	Ratio	Lower	Upper
45	100		
58	2.6	1.4	2.0#

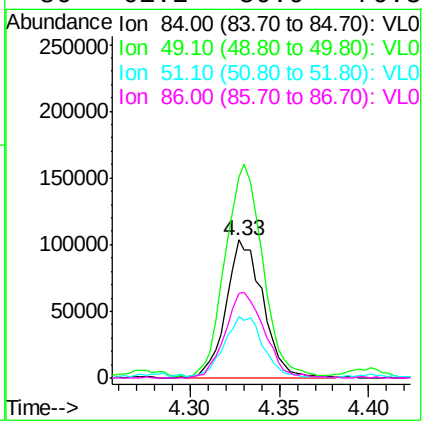


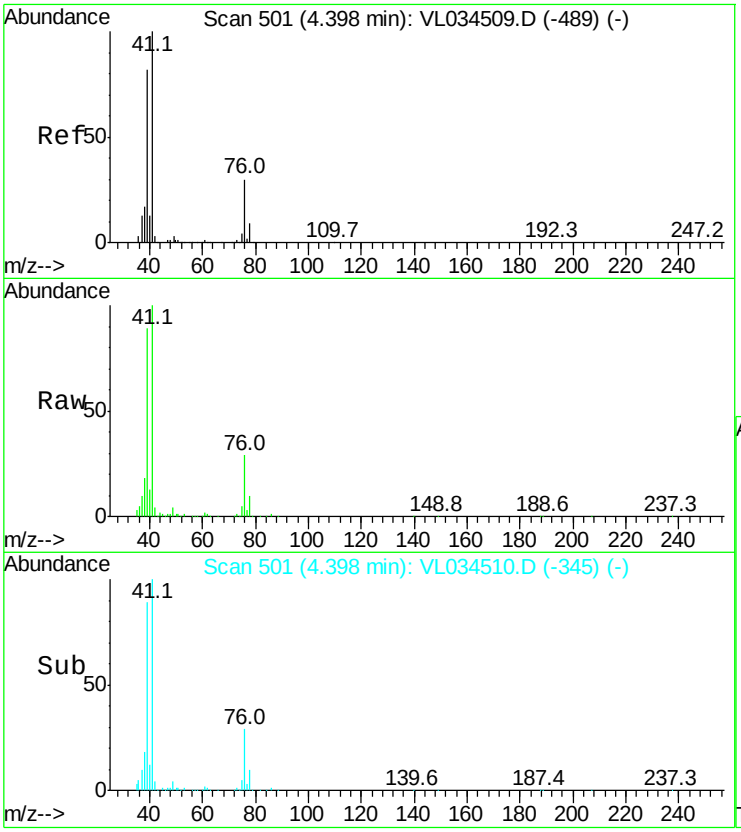


#20
Methylene Chloride
Concen: 2.596 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 84 Resp: 146843

Ion	Ratio	Lower	Upper
84	100		
49	144.9	124.4	186.6
51	44.4	37.0	55.6
86	61.2	50.9	76.3



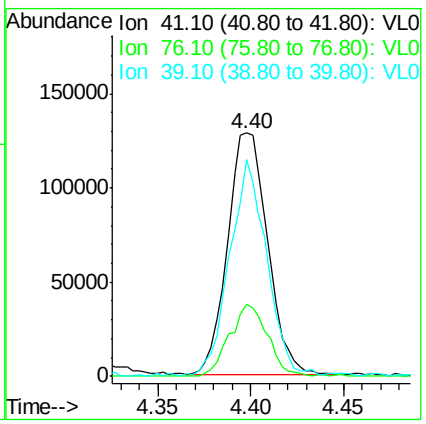


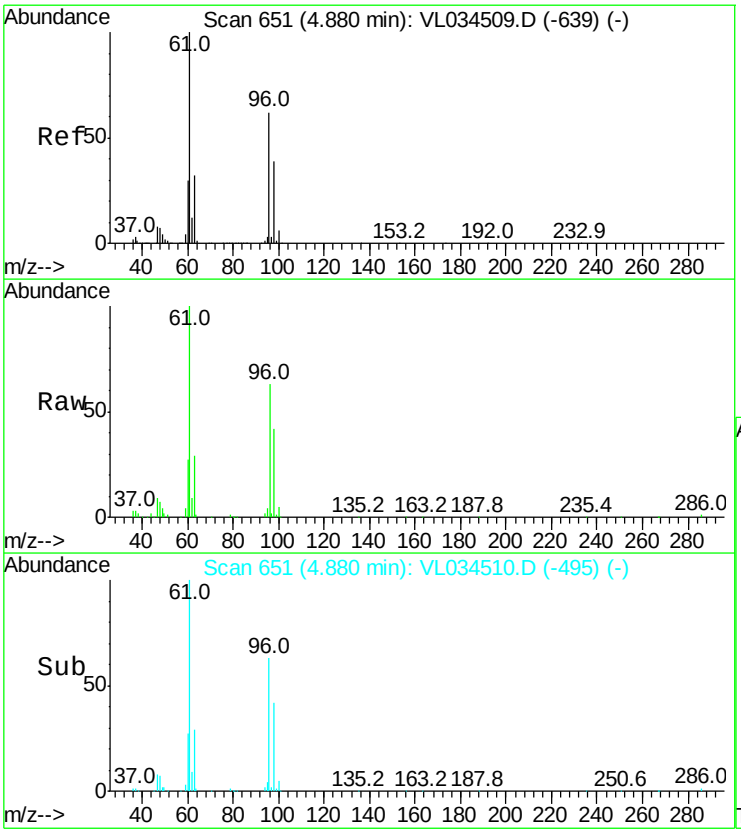
#21
Allyl Chloride
Concen: 2.013 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 192442

Ion	Ratio	Lower	Upper
41	100		
76	28.7	24.2	36.4
39	85.4	65.8	98.6

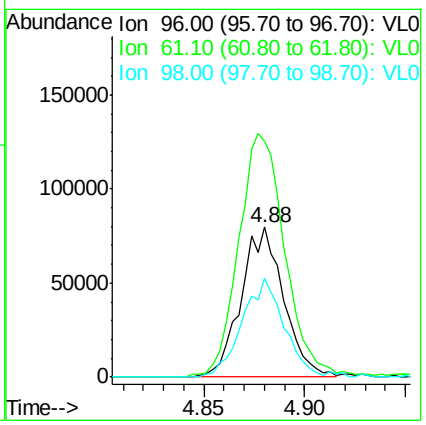


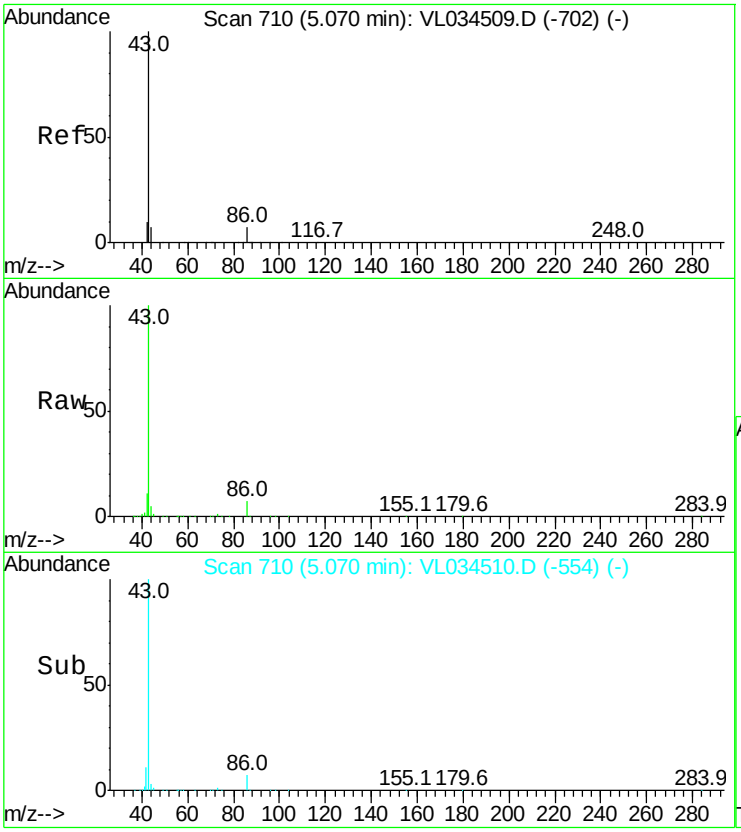


#22
trans-1,2-Dichloroethene
Concen: 2.010 ppbv
RT: 4.88 min Scan# 651
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 96 Resp: 118036

Ion	Ratio	Lower	Upper
96	100		
61	157.6	128.4	192.6
98	65.9	50.6	75.8



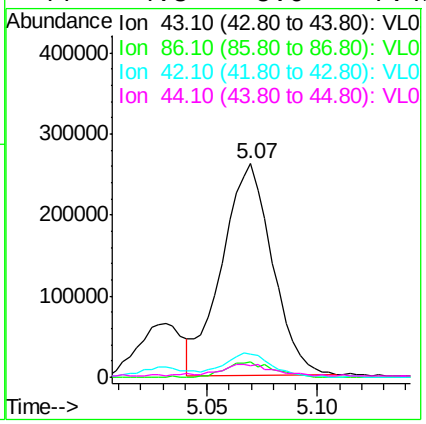


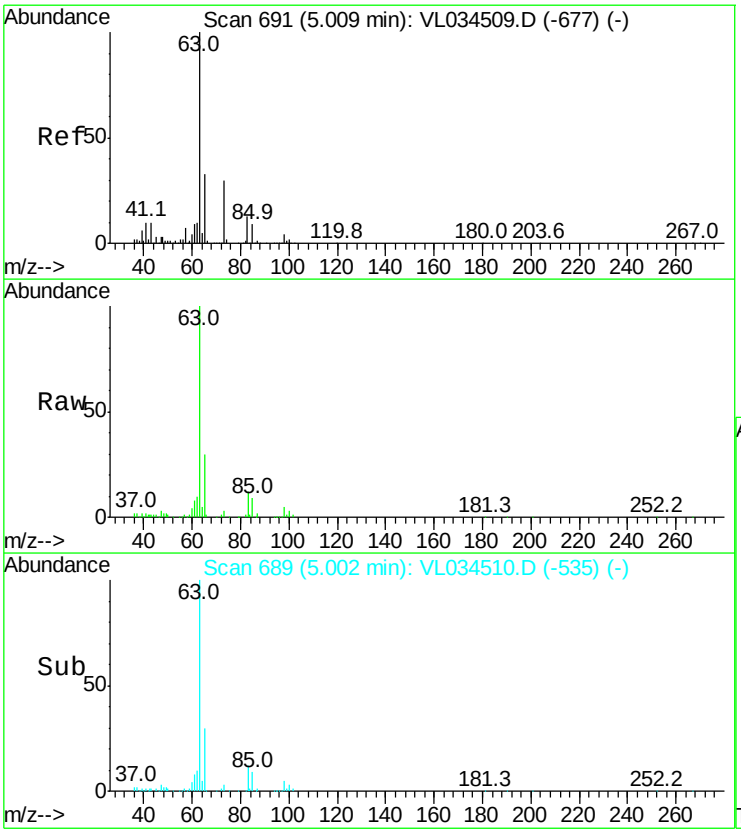
#23
Vinyl Acetate
Concen: 2.007 ppbv
RT: 5.07 min Scan# 710
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 418128

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.4	8.2
42	10.9	8.9	13.3
44	4.8	5.0	7.4#

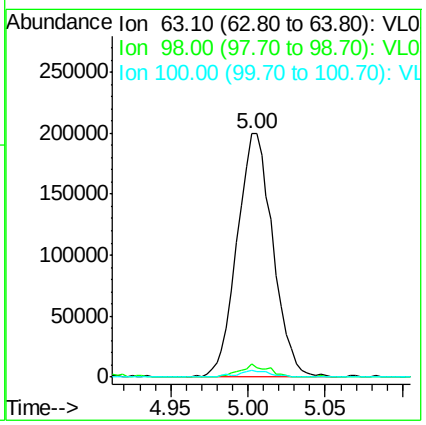


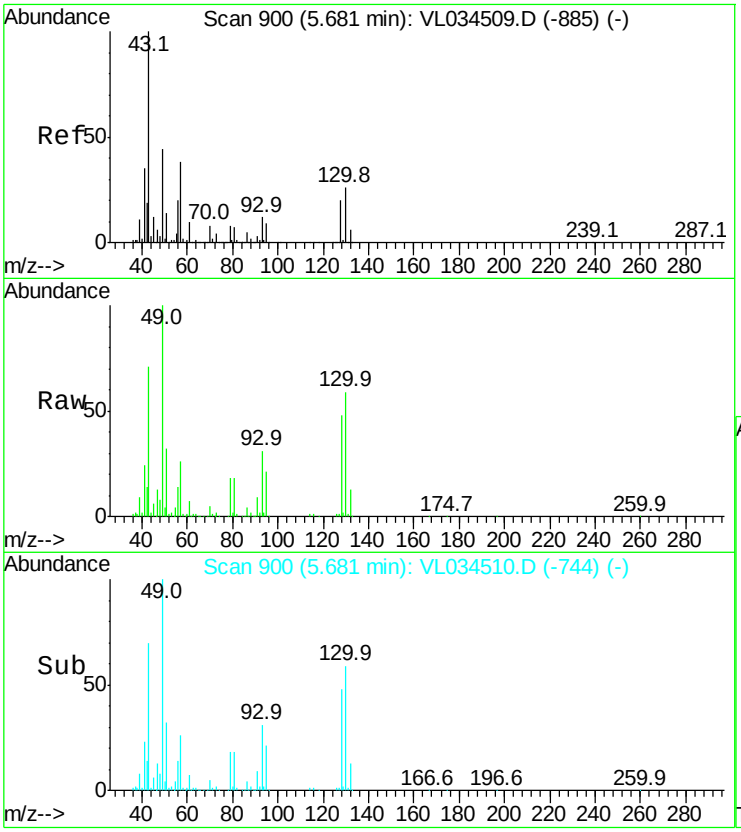


#24
1,1-Dichloroethane
Concen: 1.999 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 63 Resp: 319952

Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.1	6.3
100	2.6	1.1	3.3



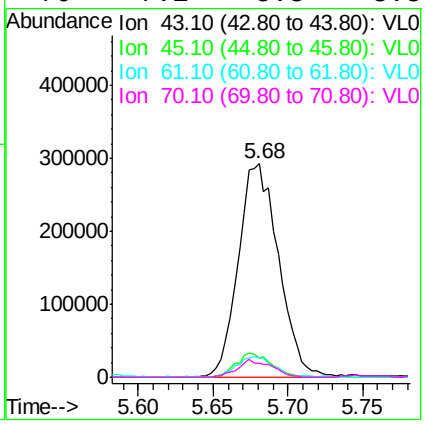


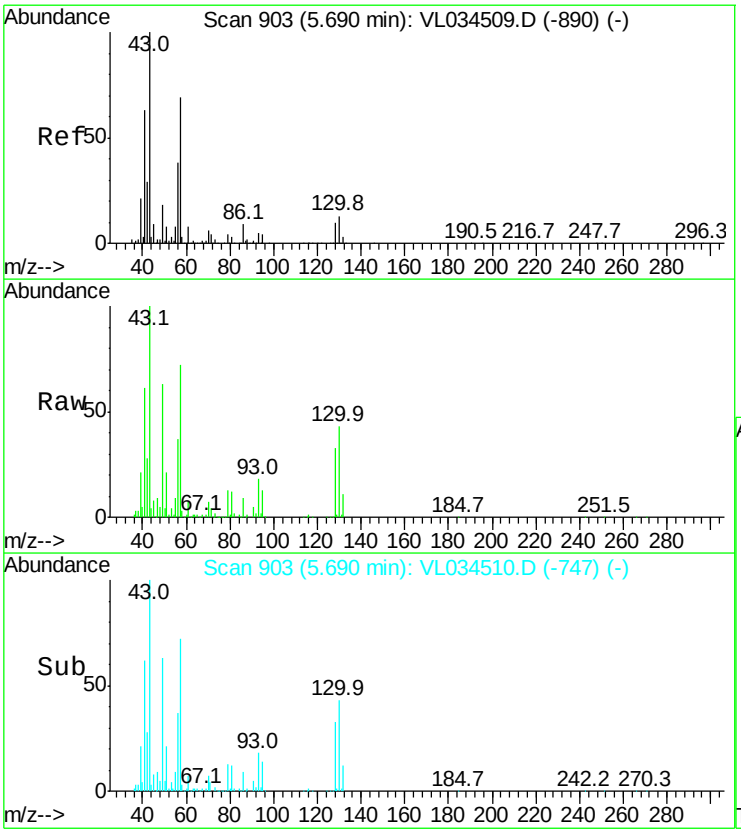
#25
Ethyl Acetate
Concen: 1.927 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 548639

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.3	12.5
61	9.3	7.8	11.6
70	7.1	5.8	8.8

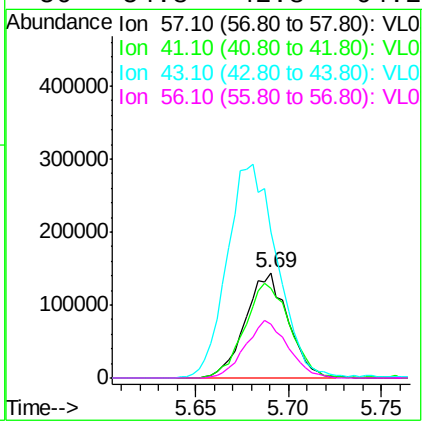


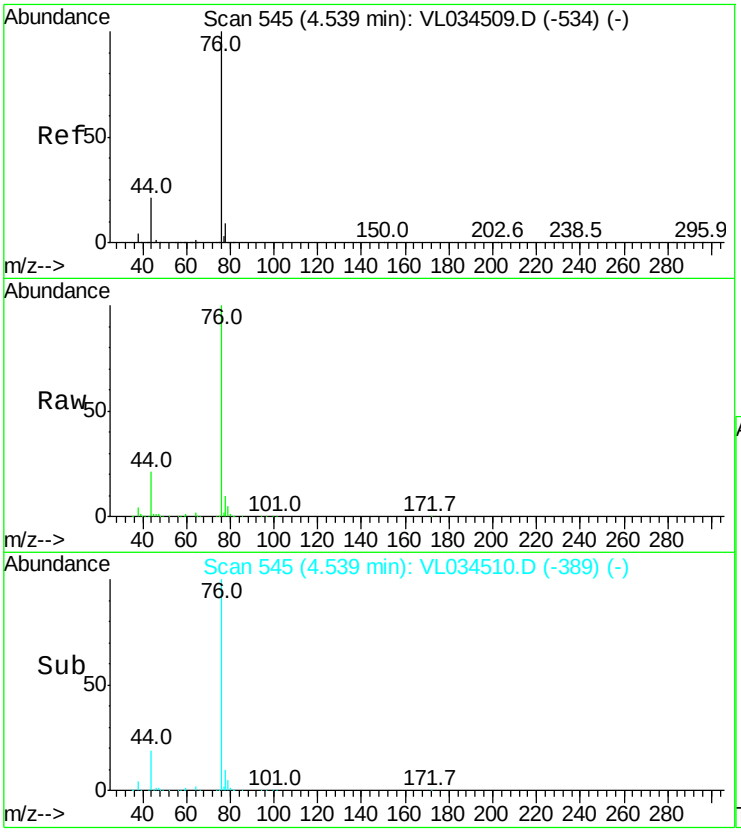


#26
Hexane
Concen: 1.880 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 57 Resp: 229918

Ion	Ratio	Lower	Upper
57	100		
41	97.0	75.3	112.9
43	239.7	189.4	284.2
56	54.8	42.8	64.2



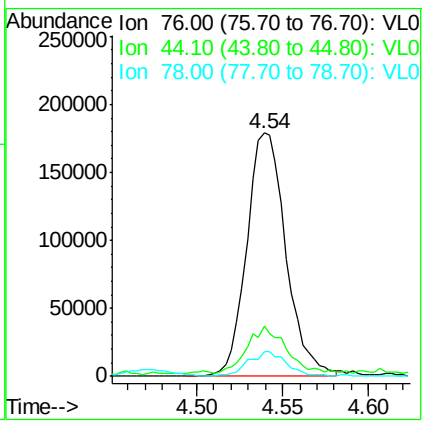


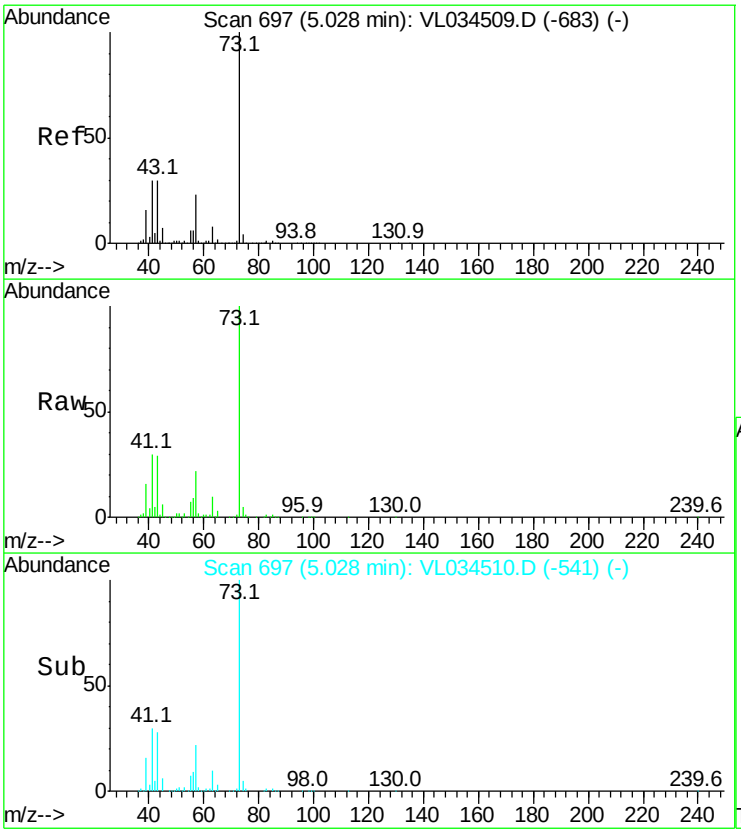
#27
Carbon Disulfide
Concen: 2.126 ppbv
RT: 4.54 min Scan# 545
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 76 Resp: 283257

Ion	Ratio	Lower	Upper
76	100		
44	23.5	16.6	25.0
78	10.3	7.4	11.0

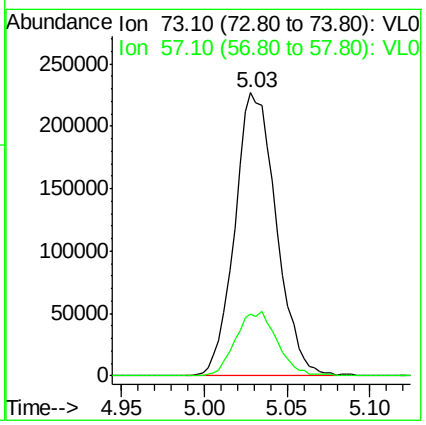


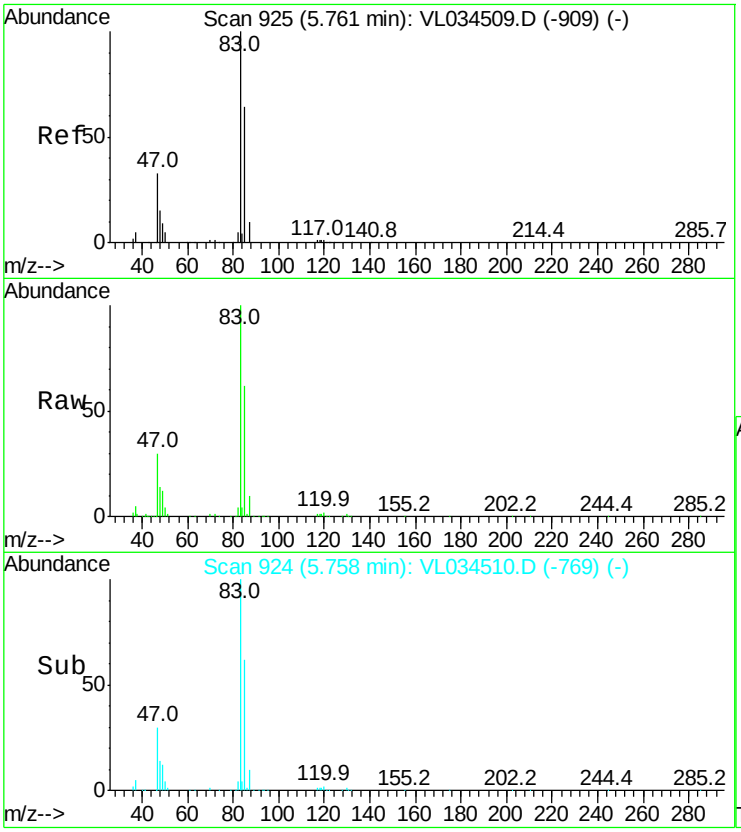


#28
Methyl tert-Butyl Ether
Concen: 1.946 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 73 Resp: 394717

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.2	27.2



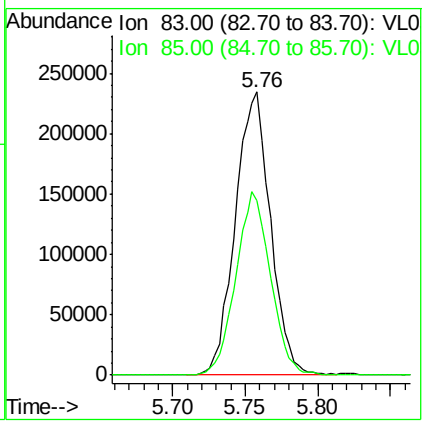


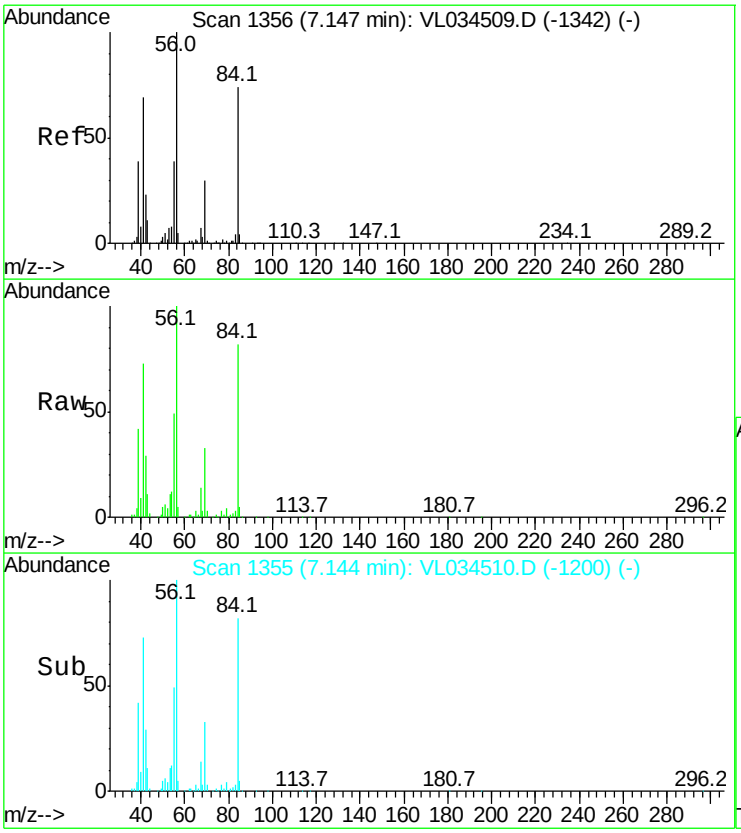
#29
Chloroform
Concen: 1.994 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 394980

Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.0	76.6

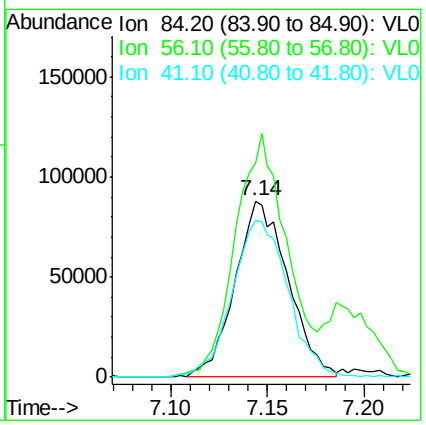


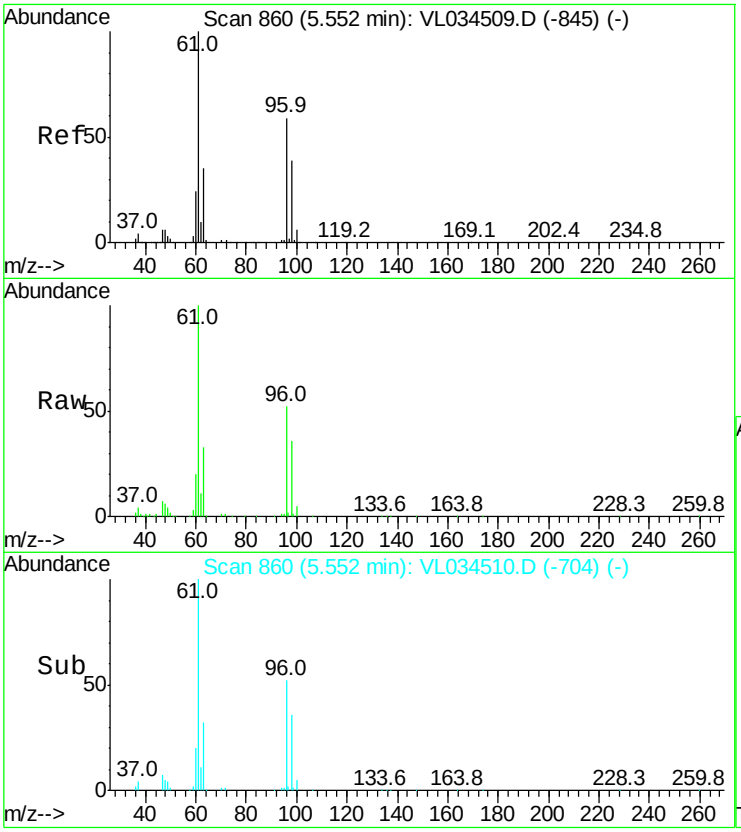


#30
Cyclohexane
Concen: 1.809 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 84 Resp: 167266

Ion	Ratio	Lower	Upper
84	100		
56	137.9	112.7	169.1
41	93.6	73.0	109.4



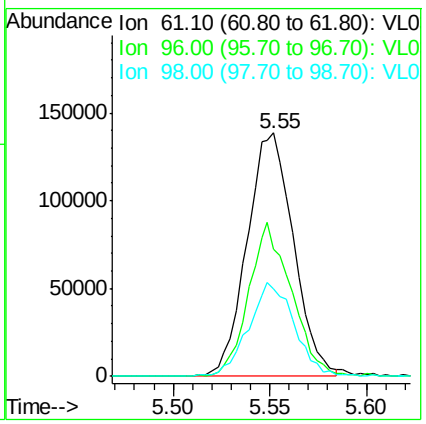


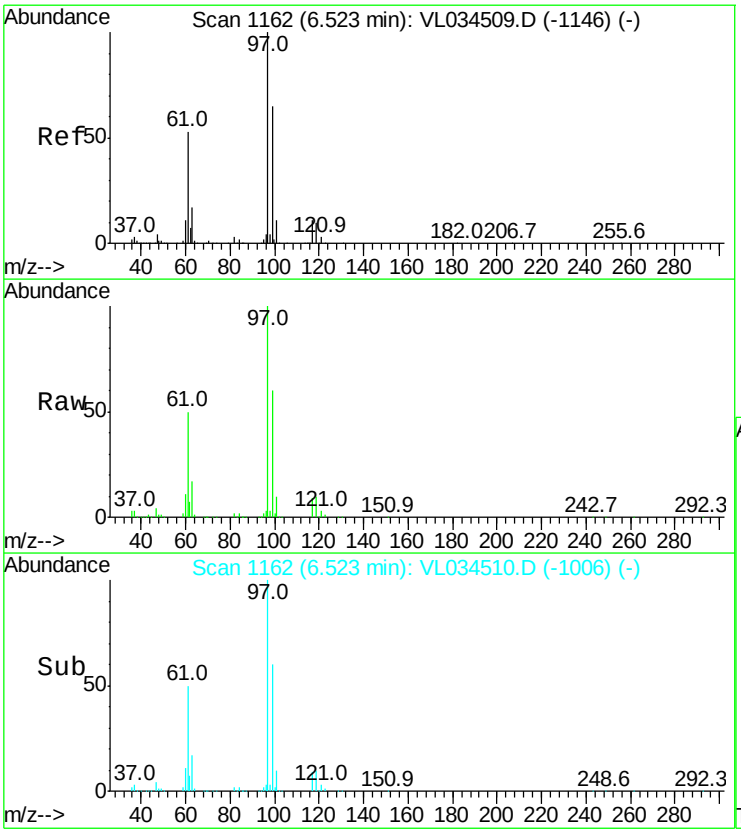
#31
cis-1,2-Dichloroethene
Concen: 1.827 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 230921

Ion	Ratio	Lower	Upper
61	100		
96	52.4	47.1	70.7
98	36.2	31.0	46.6

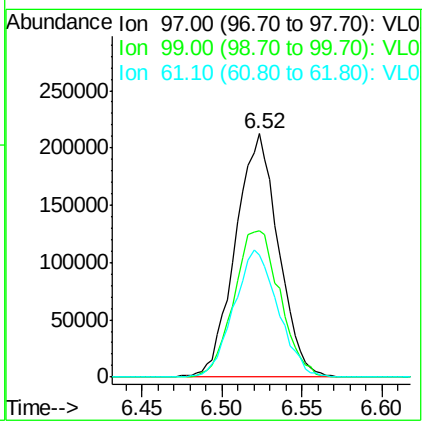


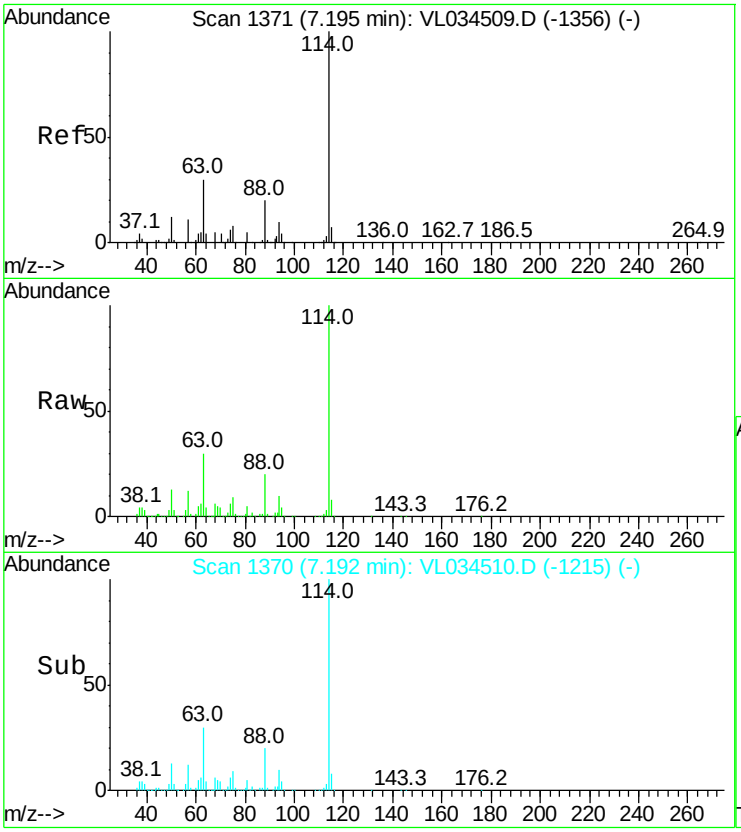


#32
1,1,1-Trichloroethane
Concen: 2.096 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 97 Resp: 389294

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	53.8	42.9	64.3



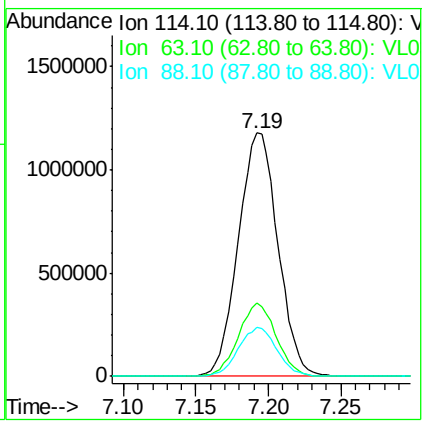


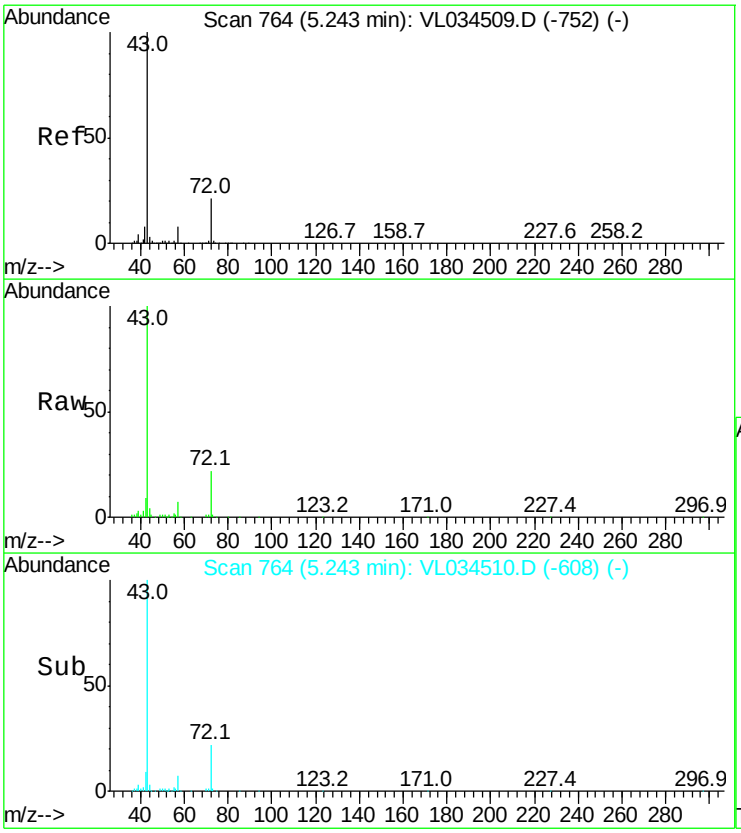
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:114 Resp: 2240781

Ion	Ratio	Lower	Upper
114	100		
63	29.1	24.1	36.1
88	19.6	15.7	23.5

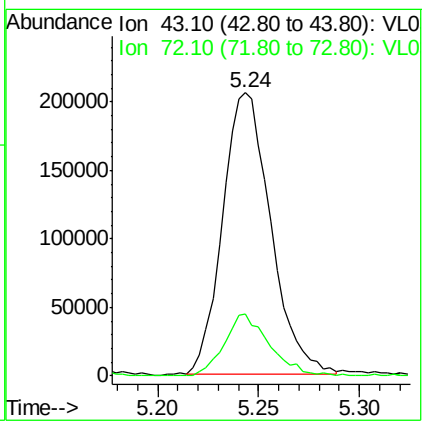


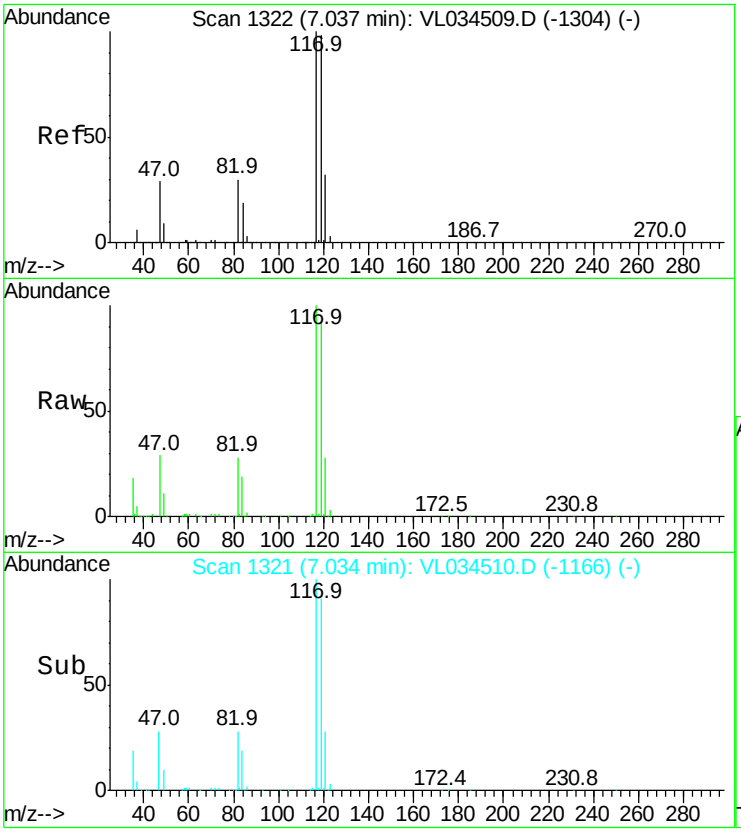


#34
2-Butanone
Concen: 1.851 ppbv
RT: 5.24 min Scan# 764
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 43 Resp: 341485

Ion	Ratio	Lower	Upper
43	100		
72	21.1	17.0	25.4



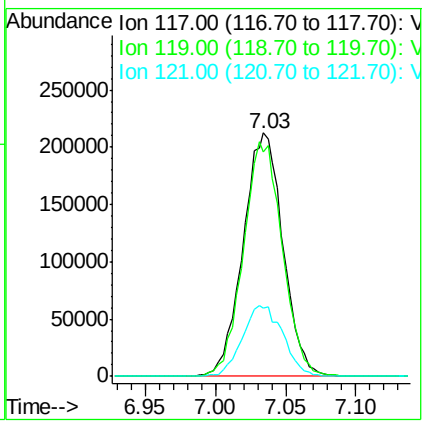


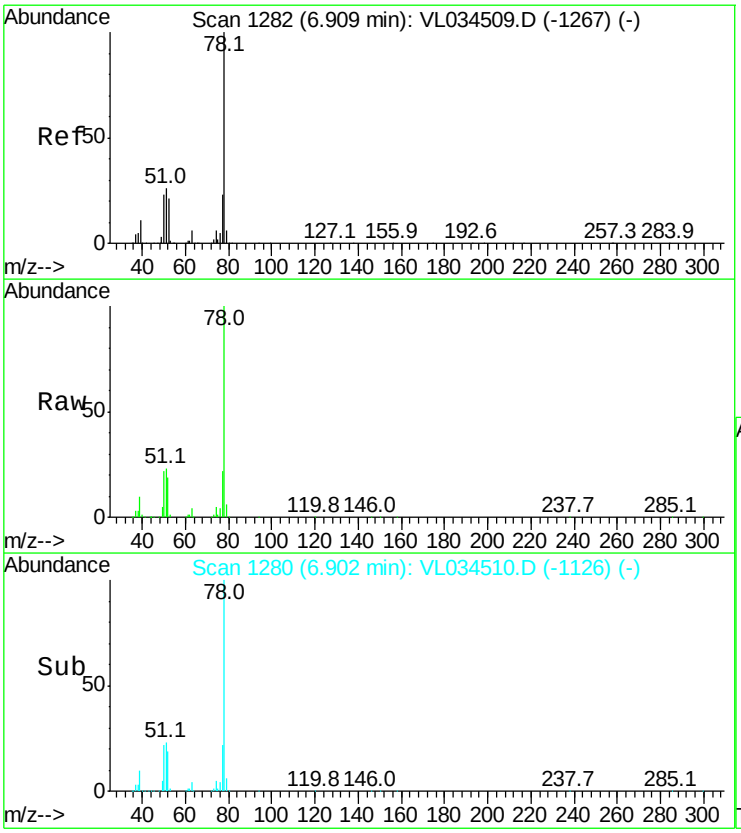
#35
Carbon Tetrachloride
Concen: 2.176 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 419295

Ion	Ratio	Lower	Upper
117	100		
119	92.1	78.7	118.1
121	27.9	25.9	38.9

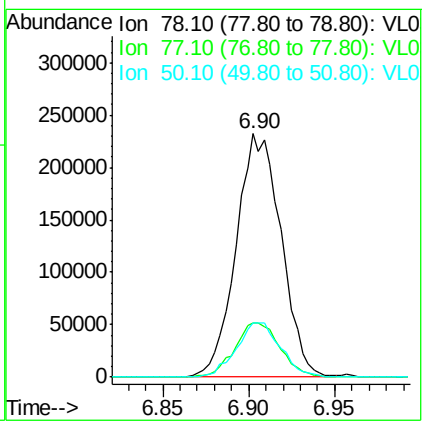


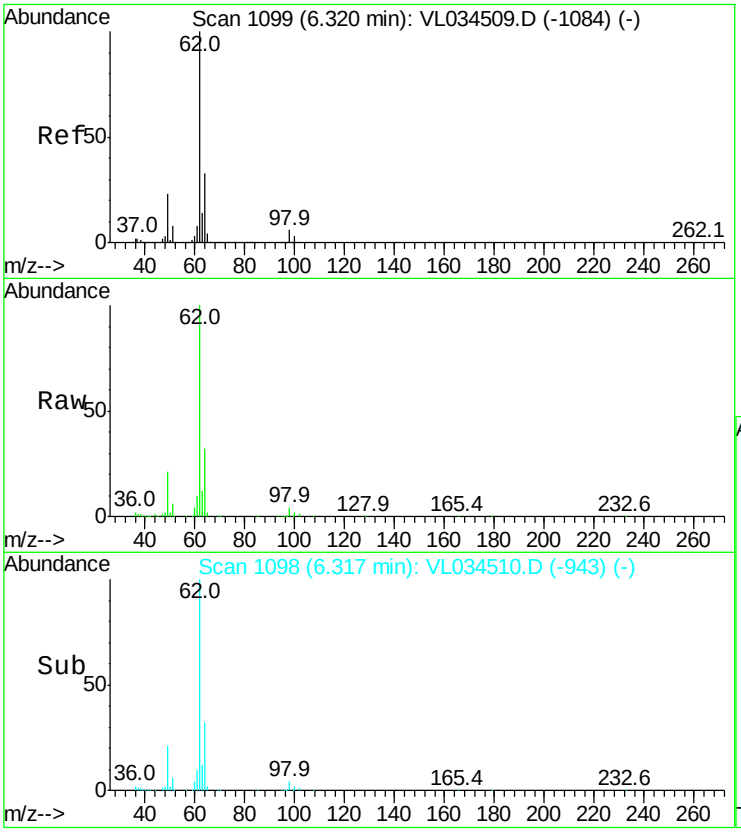


#36
Benzene
Concen: 1.881 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 78 Resp: 421341

Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.6	28.0
50	22.2	18.8	28.2



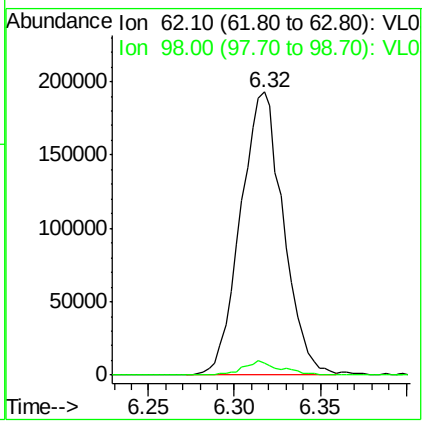


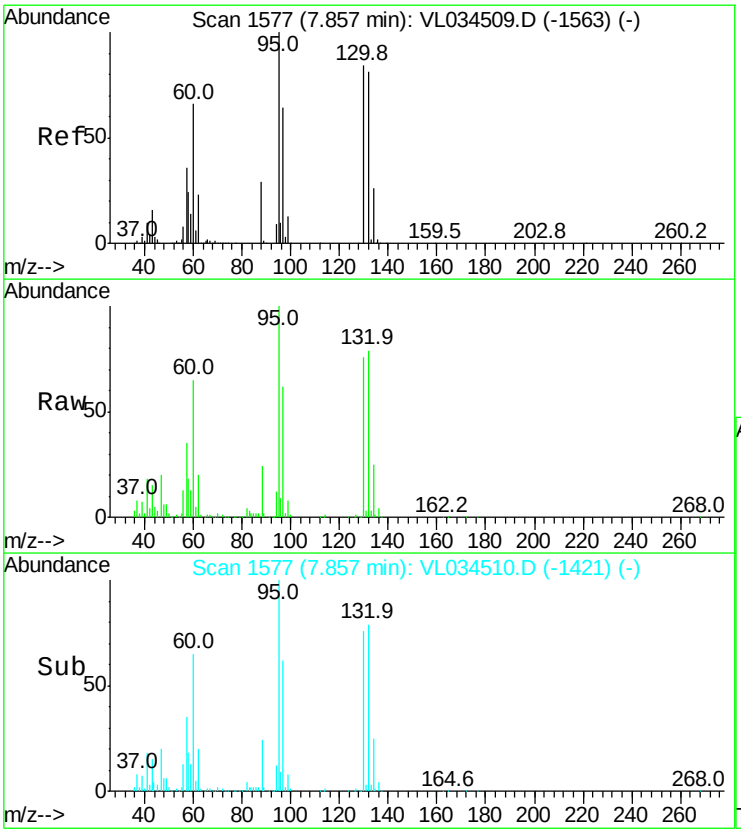
#37
1,2-Dichloroethane
Concen: 1.985 ppbv
RT: 6.32 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 330283

Ion	Ratio	Lower	Upper
62	100		
98	4.4	3.8	5.6

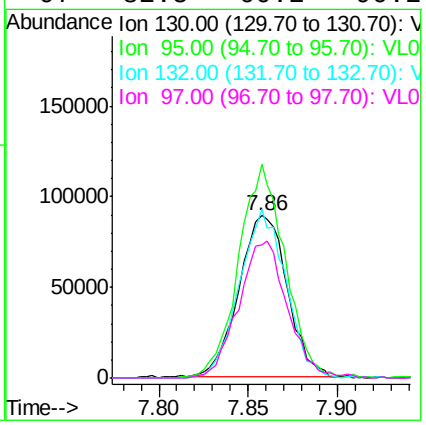


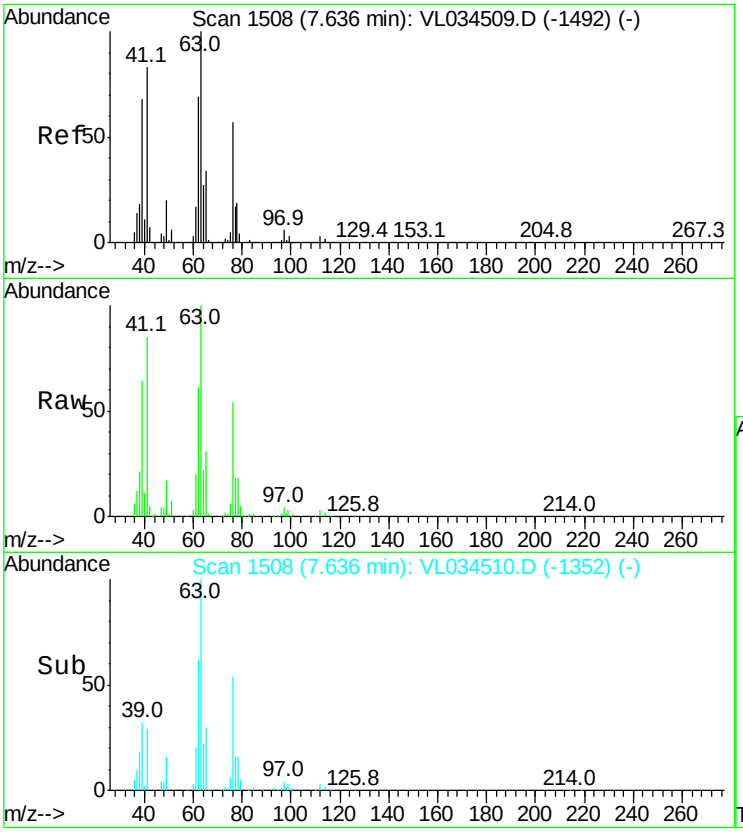


#38
Trichloroethene
Concen: 1.823 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:130 Resp: 167597

Ion	Ratio	Lower	Upper
130	100		
95	132.2	94.2	141.2
132	105.2	76.1	114.1
97	82.5	60.2	90.2



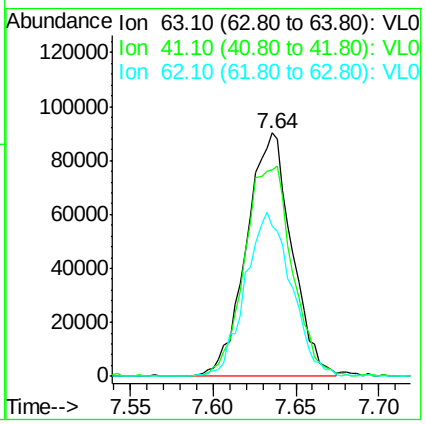


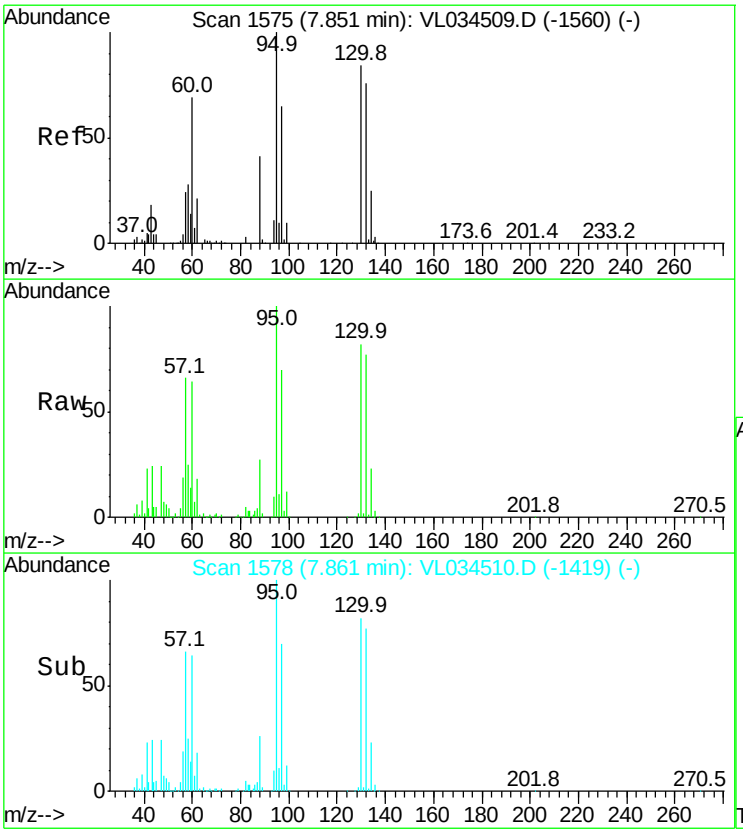
#39
1,2-Dichloropropane
Concen: 1.993 ppbv
RT: 7.64 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 63 Resp: 171999

Ion	Ratio	Lower	Upper
63	100		
41	85.1	66.1	99.1
62	61.4	54.9	82.3

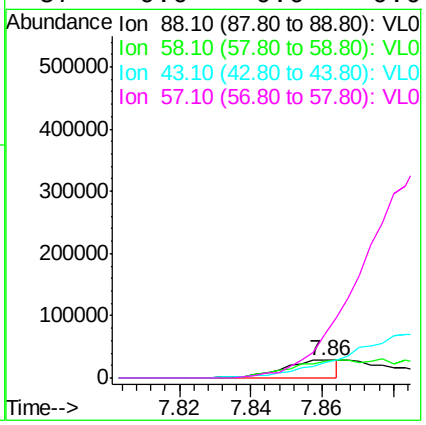


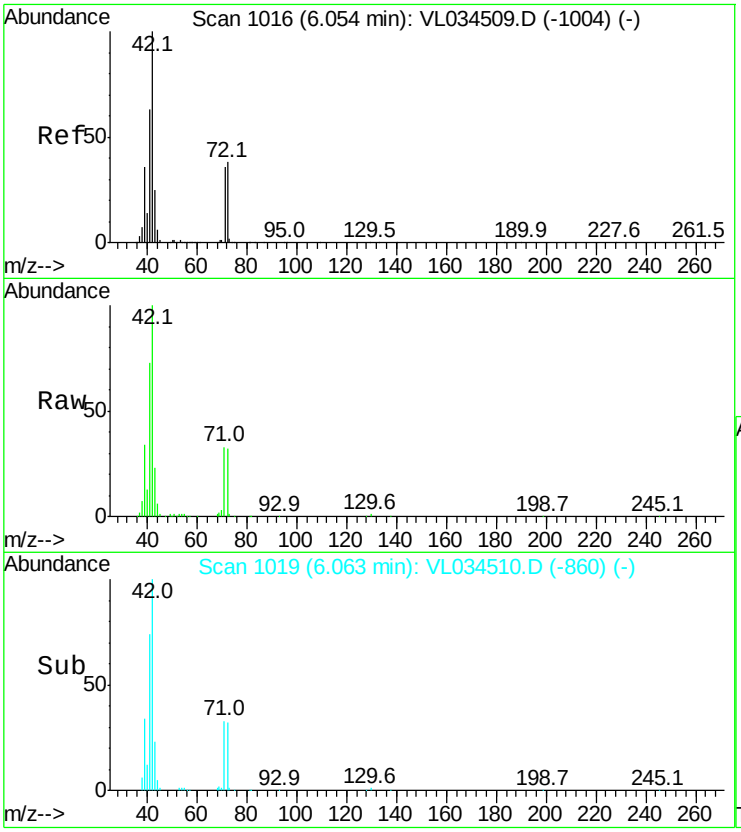


#40
1,4-Dioxane
Concen: 0.835 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 88 Resp: 31464

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



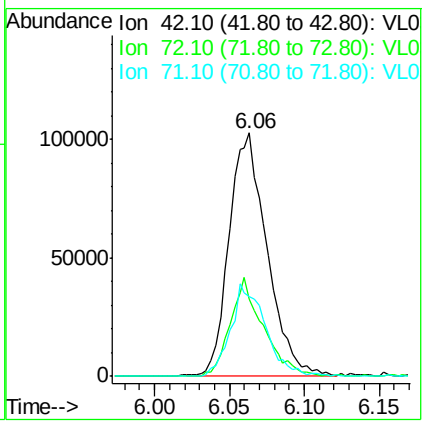


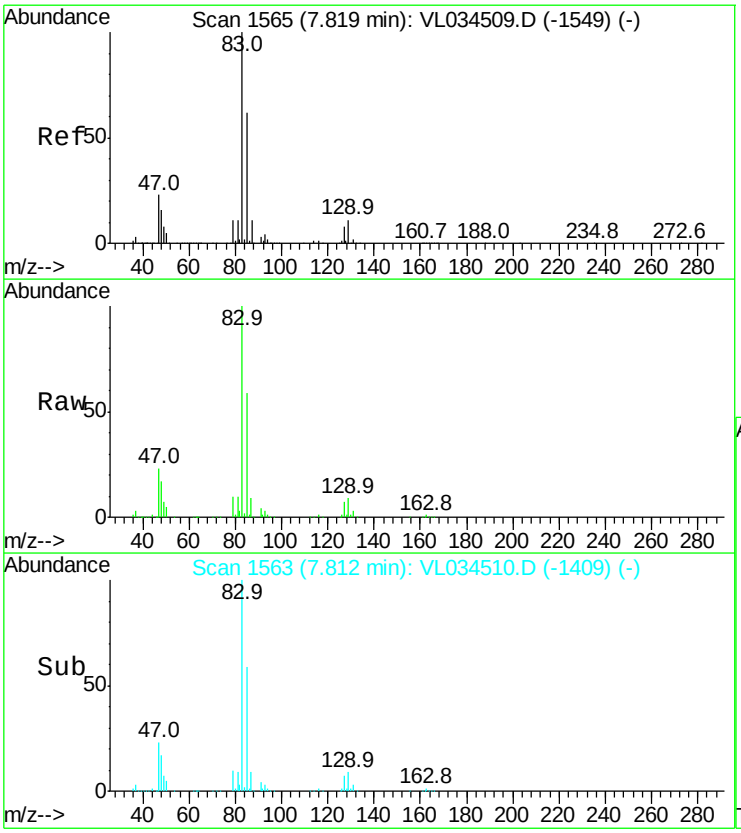
#41
Tetrahydrofuran
Concen: 1.736 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 42 Resp: 179558

Ion	Ratio	Lower	Upper
42	100		
72	35.8	30.9	46.3
71	35.4	28.9	43.3

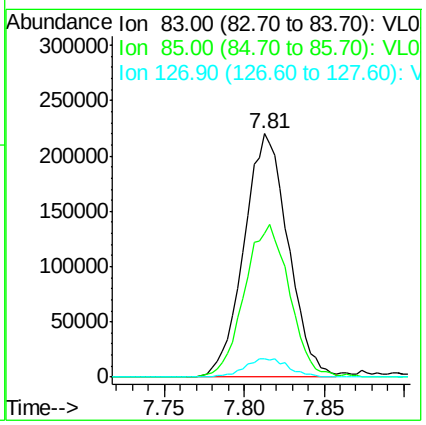


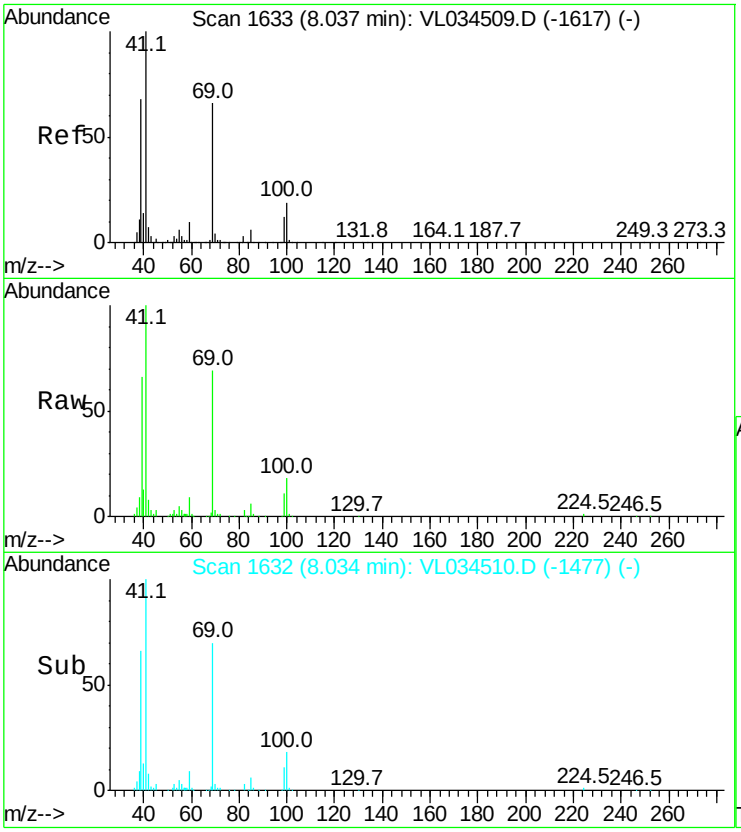


#42
Bromodichloromethane
Concen: 2.005 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 83 Resp: 417302

Ion	Ratio	Lower	Upper
83	100		
85	59.0	49.4	74.2
127	7.4	6.2	9.4



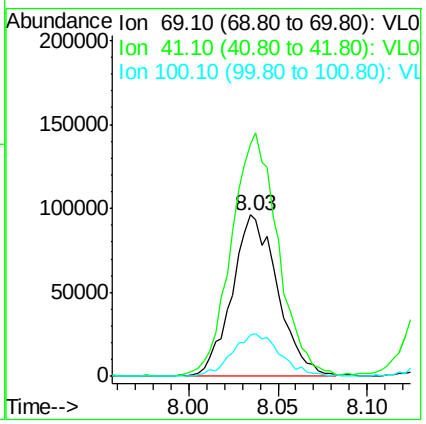


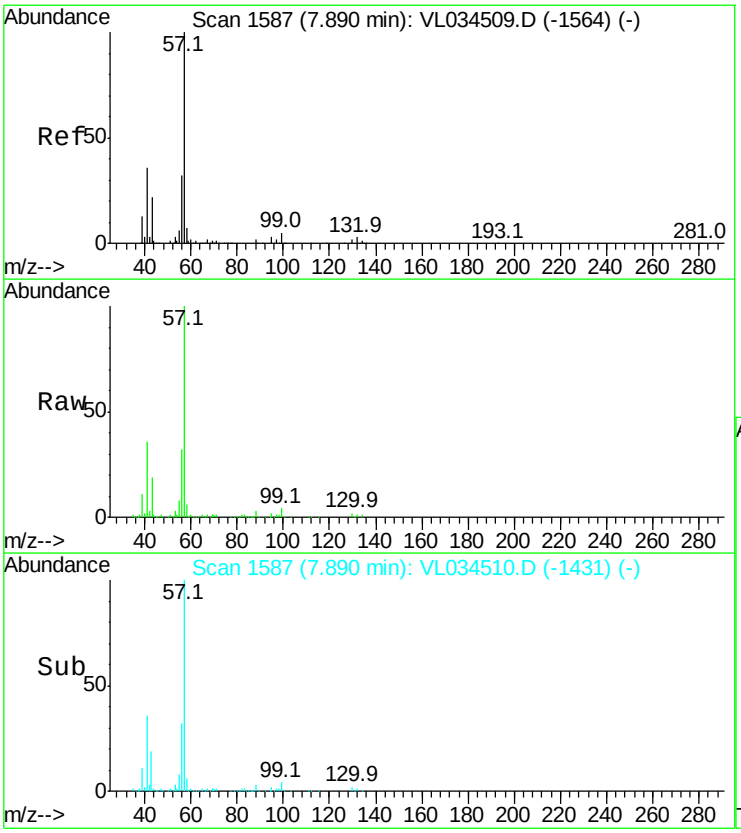
#43
Methyl Methacrylate
Concen: 1.827 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 69 Resp: 169762

Ion	Ratio	Lower	Upper
69	100		
41	156.2	124.0	186.0
100	27.9	23.1	34.7

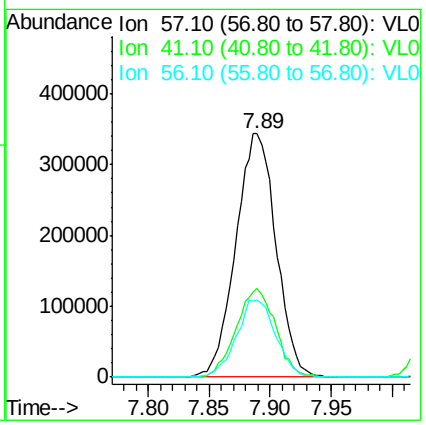


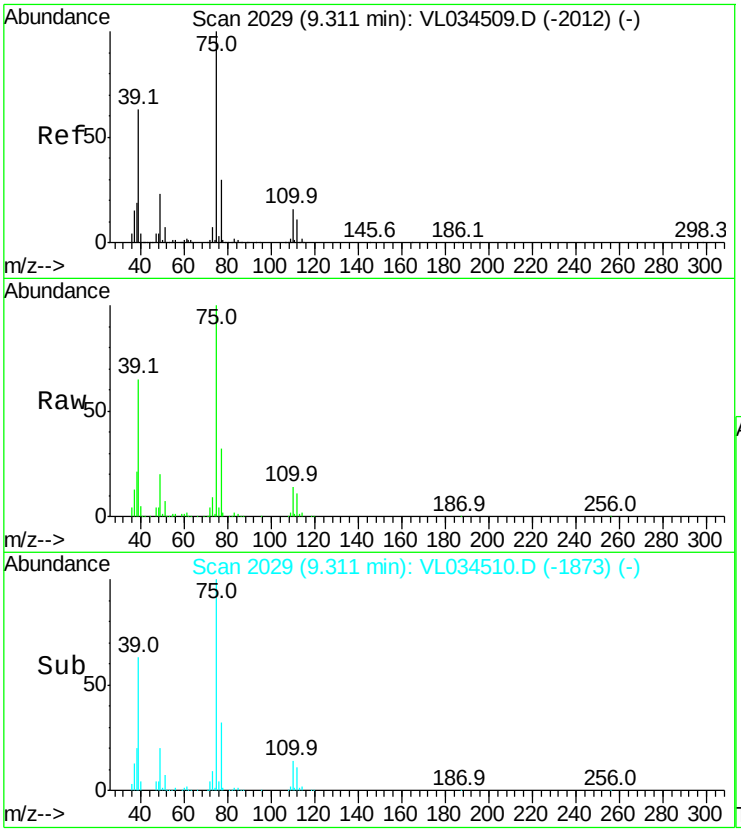


#44
2,2,4-Trimethylpentane
Concen: 1.910 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 57 Resp: 782007

Ion	Ratio	Lower	Upper
57	100		
41	35.7	29.0	43.4
56	30.8	24.9	37.3



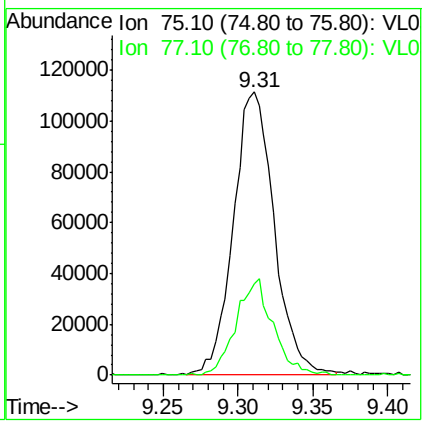


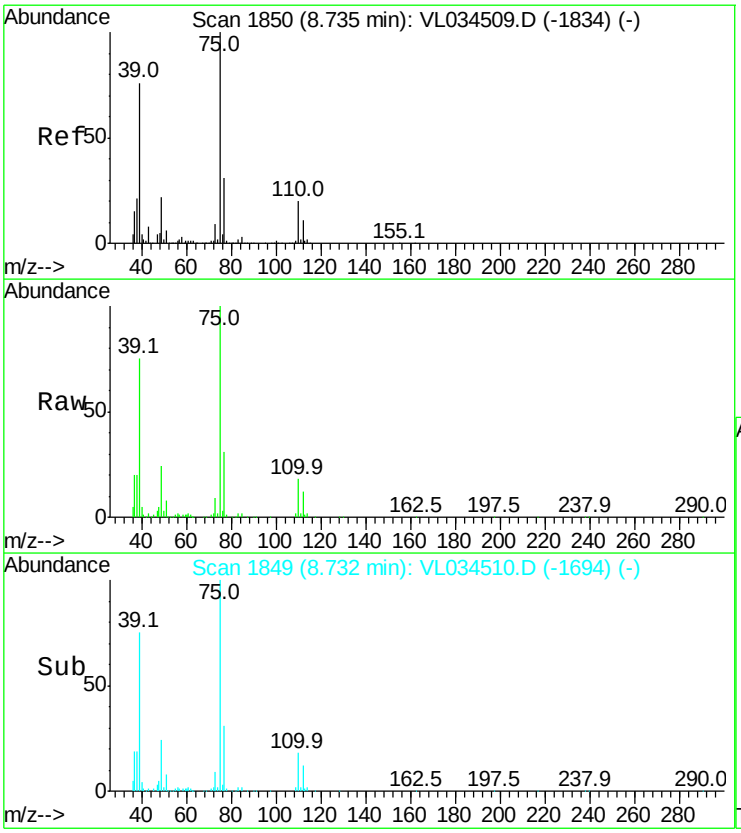
#45
t-1,3-Dichloropropene
Concen: 1.773 ppbv
RT: 9.31 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 211285

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.2	36.2

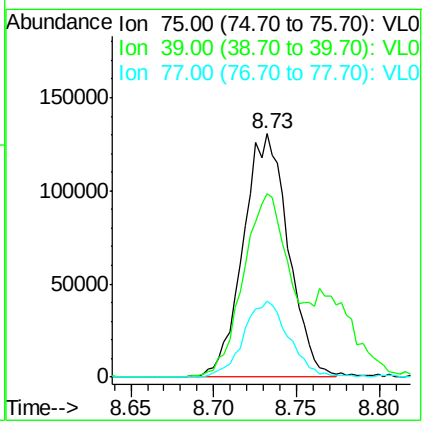


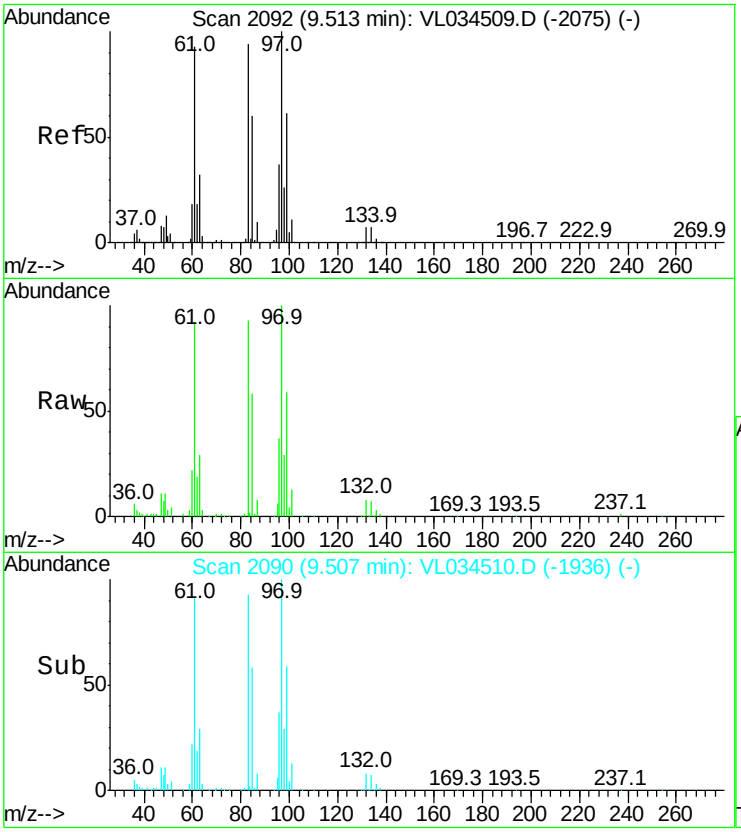


#46
cis-1,3-Dichloropropene
Concen: 1.856 ppbv
RT: 8.73 min Scan# 1849
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 75 Resp: 248359

Ion	Ratio	Lower	Upper
75	100		
39	75.1	60.5	90.7
77	31.3	24.8	37.2



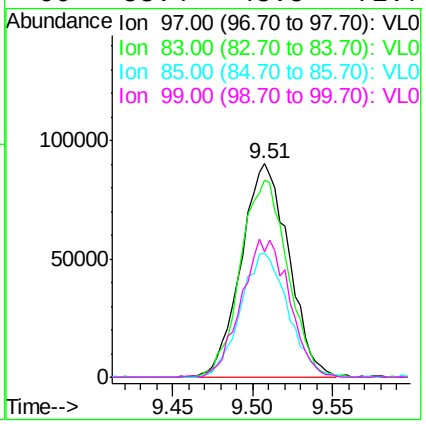


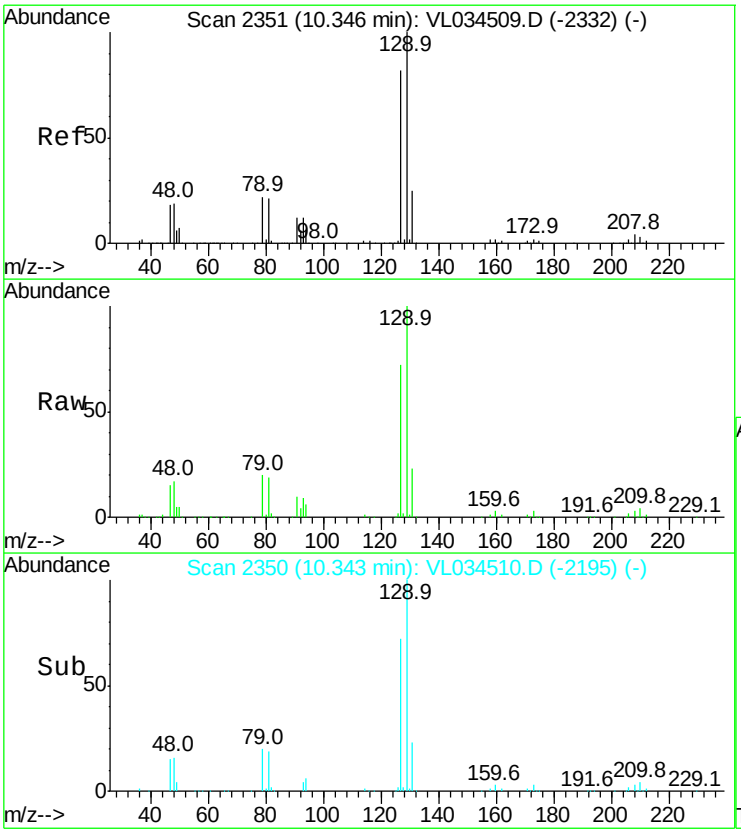
#47
1,1,2-Trichloroethane
Concen: 1.905 ppbv
RT: 9.51 min Scan# 2090
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 97 Resp: 182913

Ion	Ratio	Lower	Upper
97	100		
83	92.8	75.0	112.4
85	57.9	48.2	72.4
99	58.4	48.5	72.7

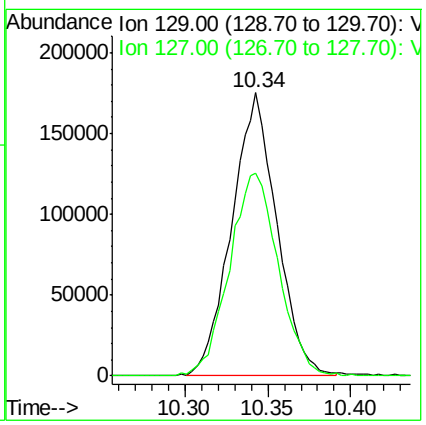


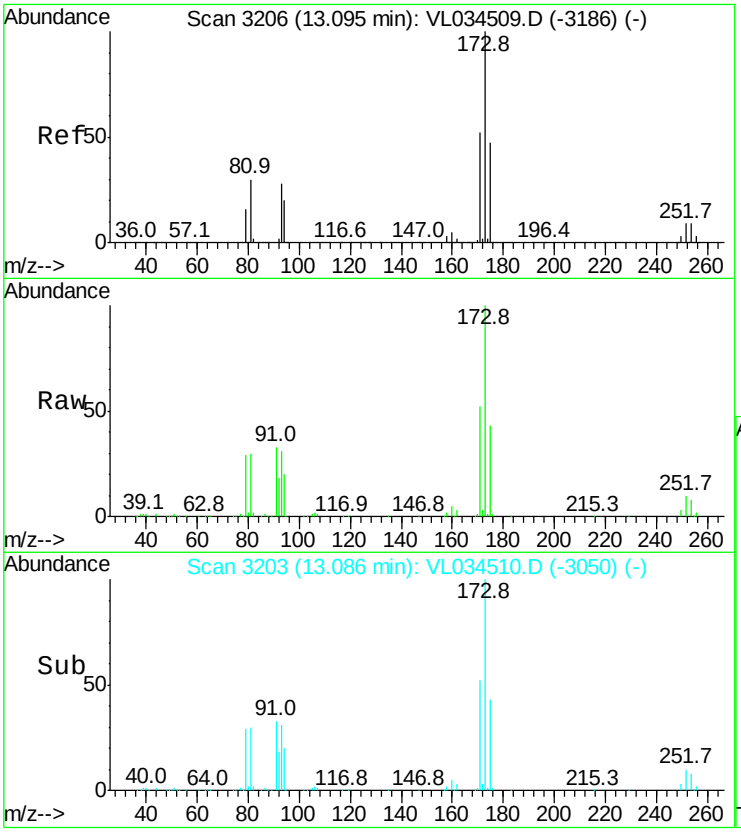


#48
Dibromochloromethane
Concen: 2.008 ppbv
RT: 10.34 min Scan# 2350
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:129 Resp: 330927

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.4	118.2



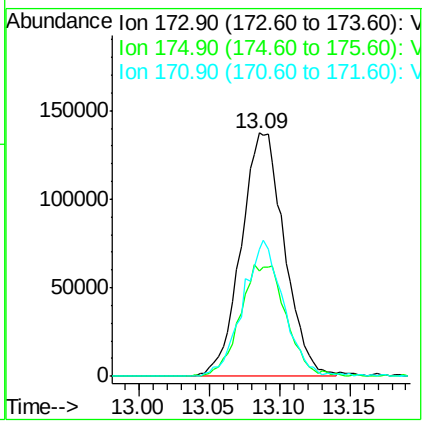


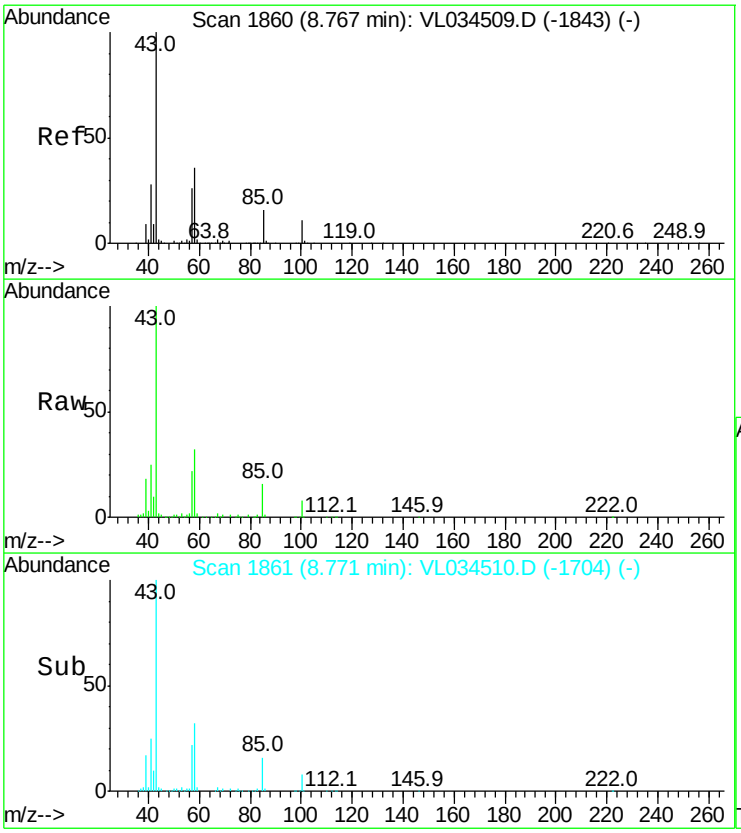
#49
Bromoform
Concen: 2.008 ppbv
RT: 13.09 min Scan# 3203
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:173 Resp: 295422

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.8	59.8
171	52.2	42.1	63.1

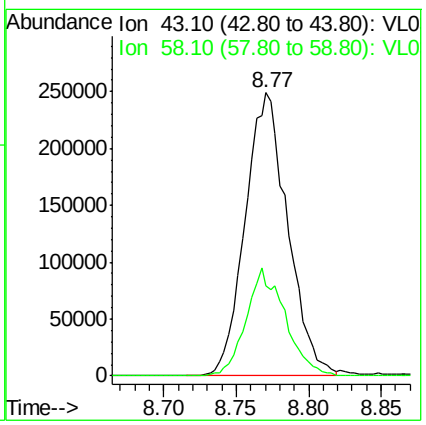


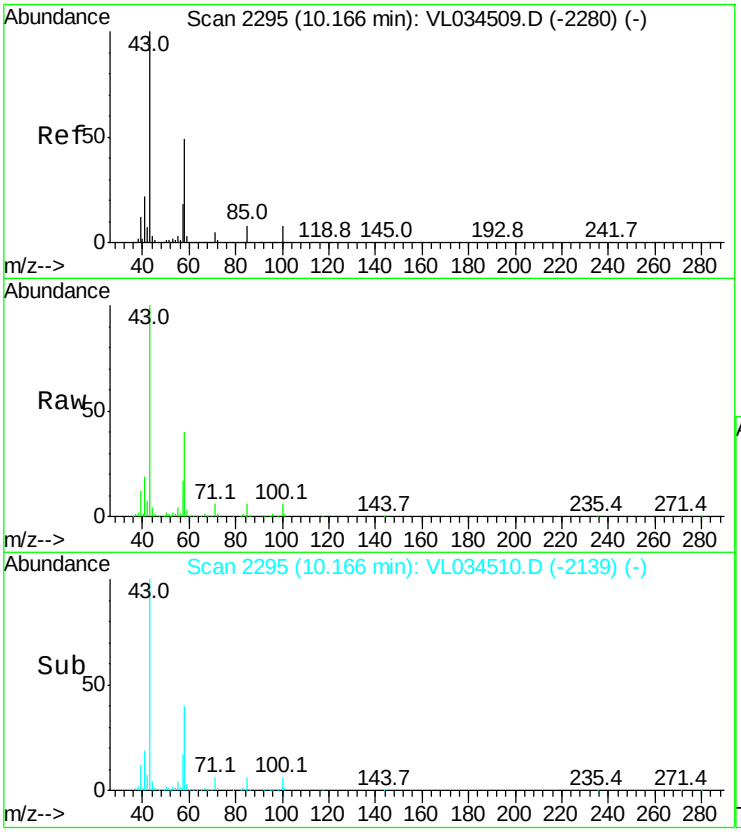


#50
4-Methyl-2-Pentanone
Concen: 1.902 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 43 Resp: 507540

Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.2	42.2



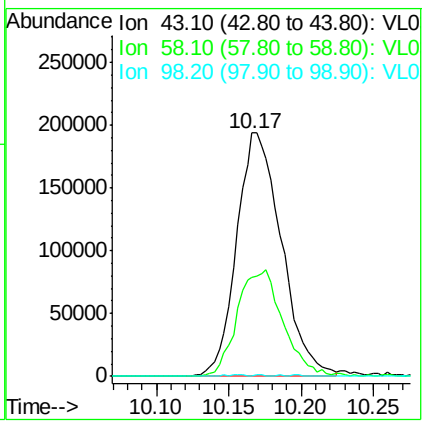


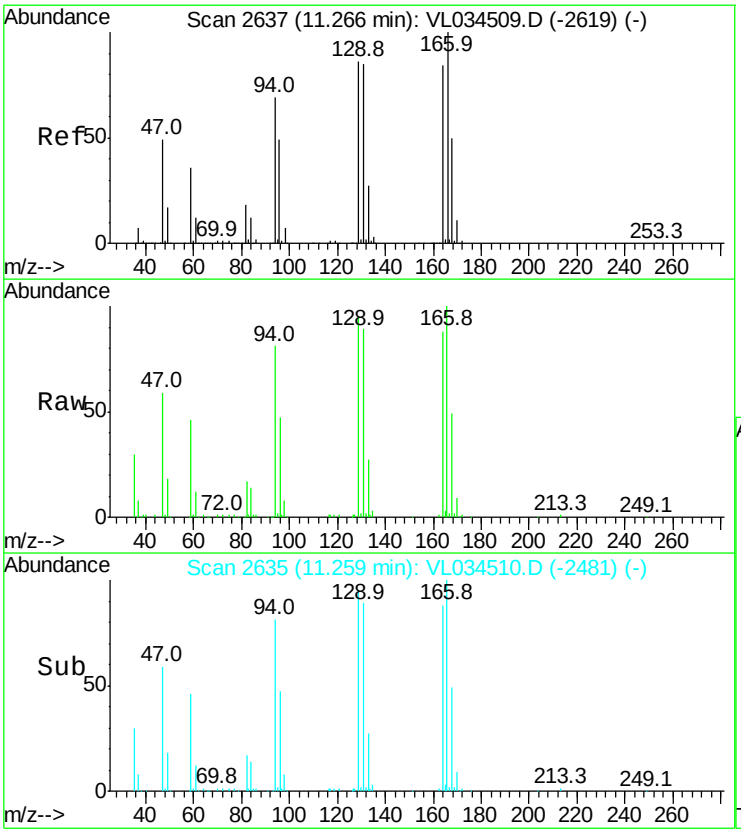
#51
2-Hexanone
Concen: 1.864 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 416743

Ion	Ratio	Lower	Upper
43	100		
58	44.8	37.4	56.0
98	0.7	0.2	0.2#

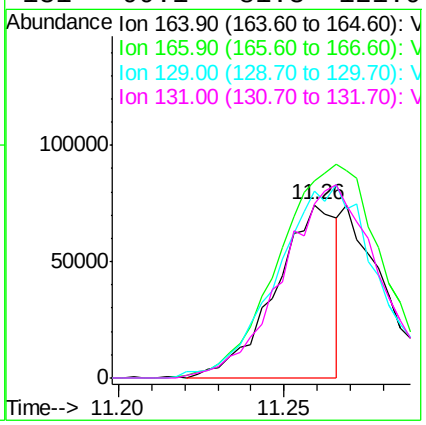


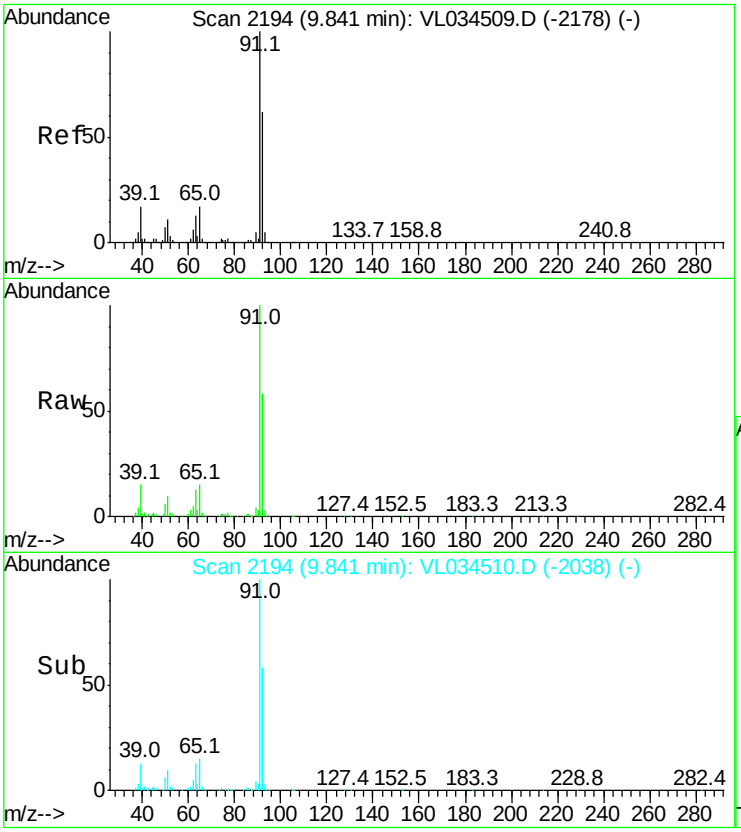


#52
Tetrachloroethene
Concen: 0.984 ppbv
RT: 11.26 min Scan# 2635
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:164 Resp: 95351

Ion	Ratio	Lower	Upper
164	100		
166	112.4	95.7	143.5
129	104.6	82.2	123.2
131	99.1	81.3	121.9



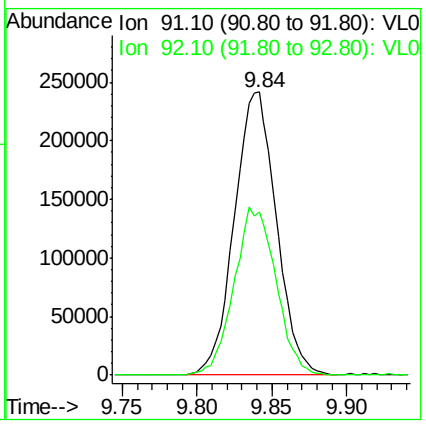


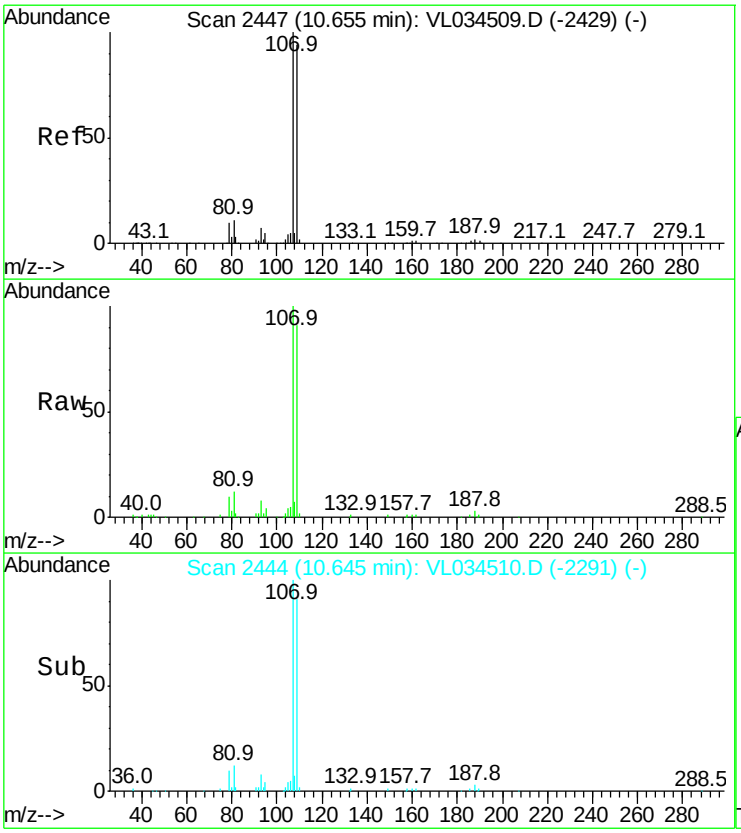
#53
Toluene
Concen: 1.841 ppbv
RT: 9.84 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 468510

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.4	72.6

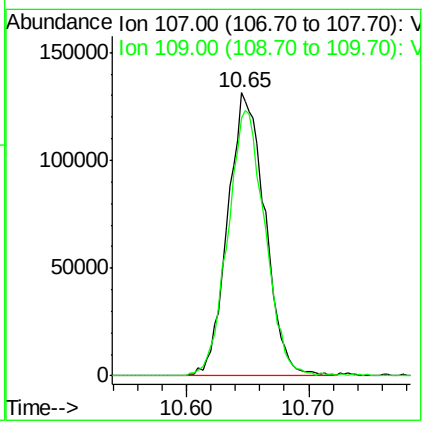


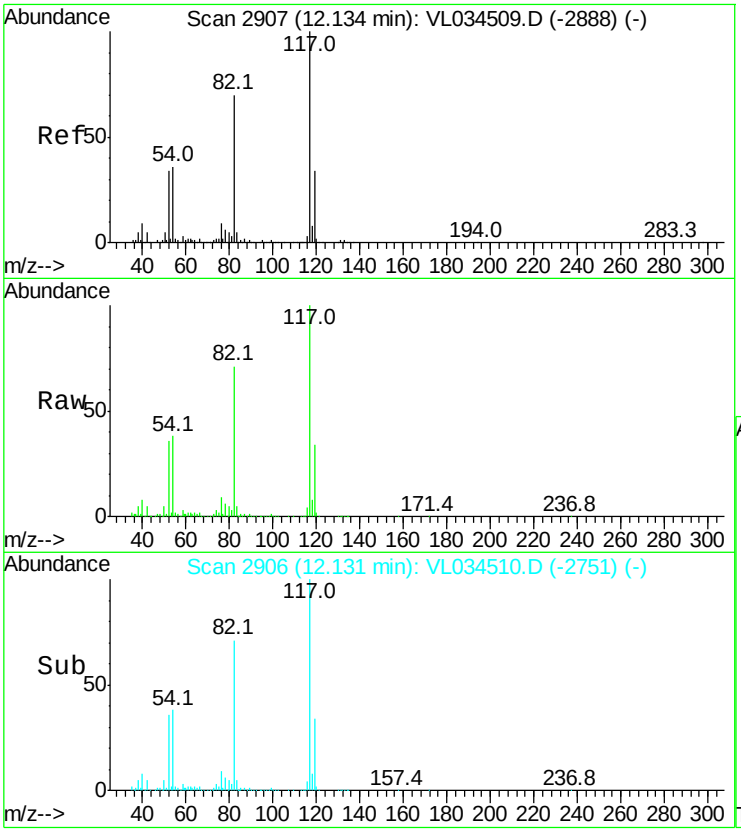


#54
1,2-Dibromoethane
Concen: 1.886 ppbv
RT: 10.65 min Scan# 2444
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:107 Resp: 277516

Ion	Ratio	Lower	Upper
107	100		
109	90.6	75.5	113.3



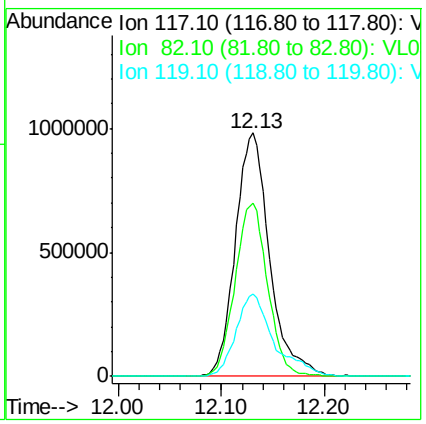


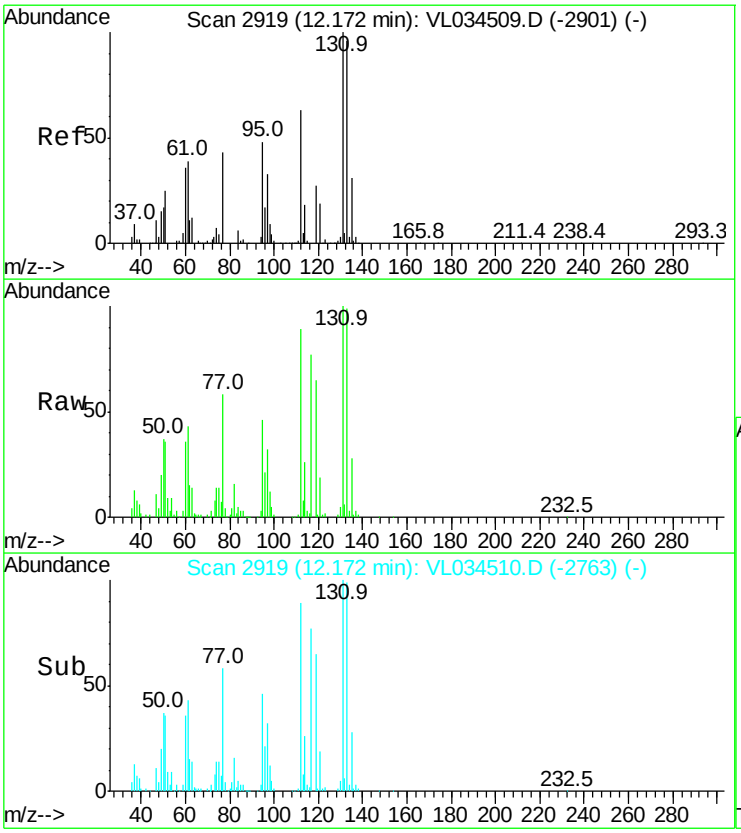
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 2269189

Ion	Ratio	Lower	Upper
117	100		
82	68.1	56.2	84.4
119	37.4	27.1	40.7

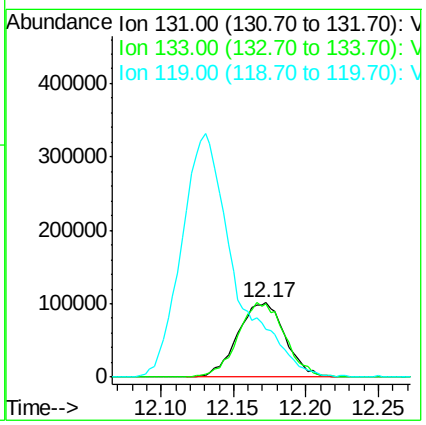


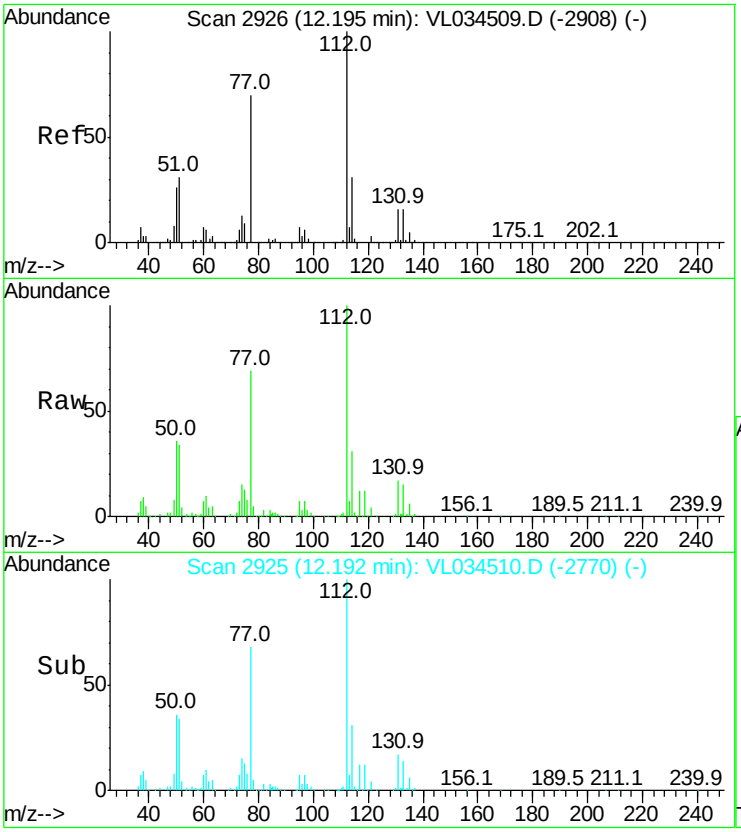


#56
1,1,1,2-Tetrachloroethane
Concen: 2.080 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:131 Resp: 230872

Ion	Ratio	Lower	Upper
131	100		
133	98.9	76.2	114.2
119	367.2	47.1	70.7#



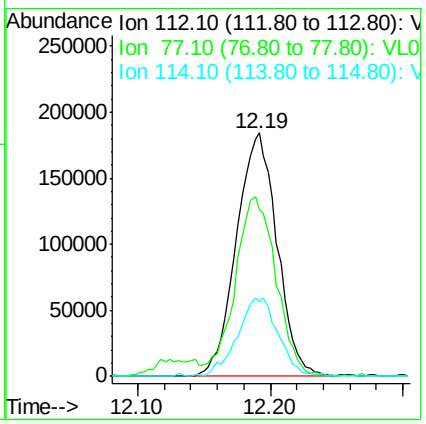


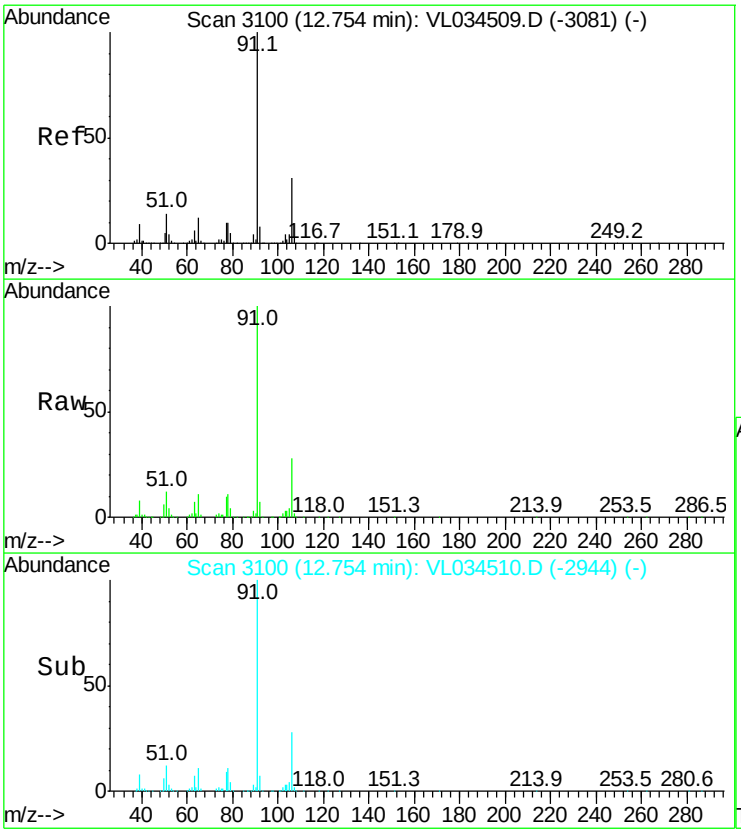
#57
Chlorobenzene
Concen: 1.908 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 391433

Ion	Ratio	Lower	Upper
112	100		
77	68.4	57.4	86.0
114	30.7	28.4	34.8

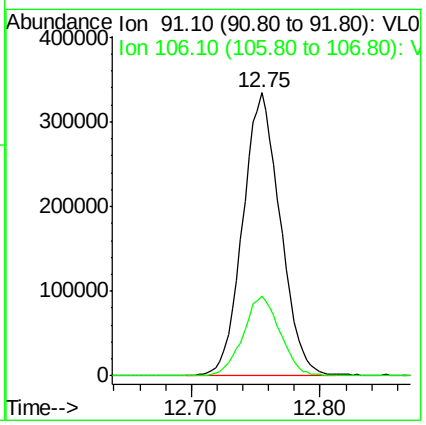


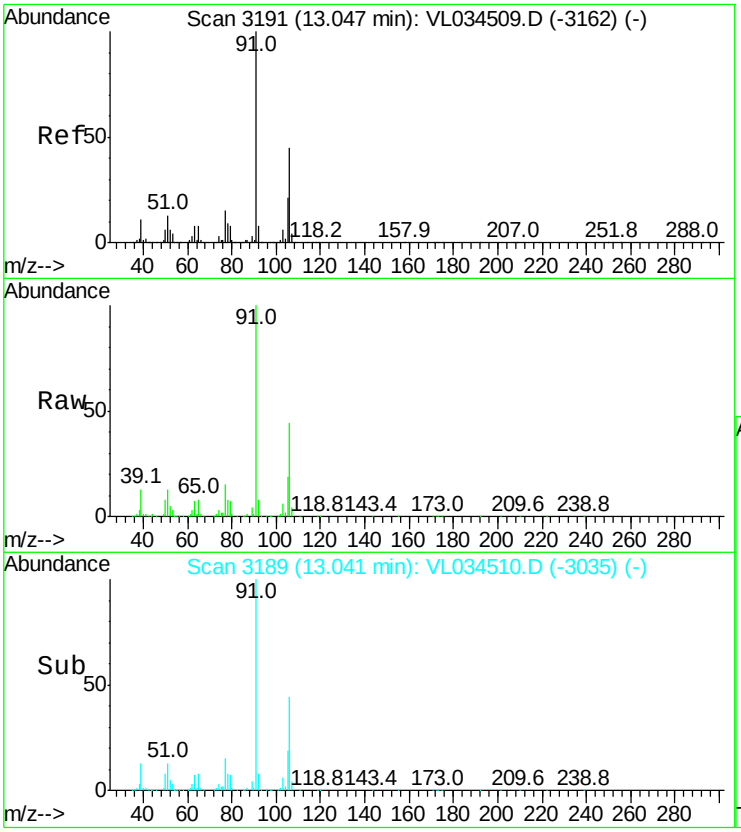


#58
Ethyl Benzene
Concen: 1.925 ppbv
RT: 12.75 min Scan# 3100
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 91 Resp: 678030

Ion	Ratio	Lower	Upper
91	100		
106	28.0	24.6	36.8



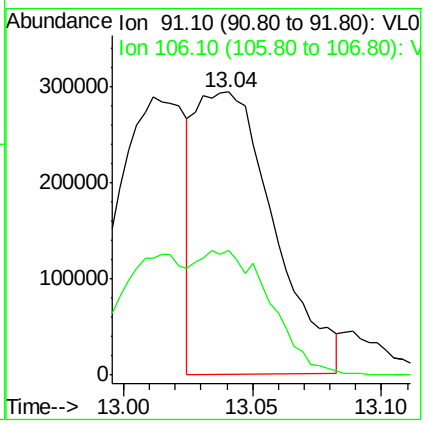


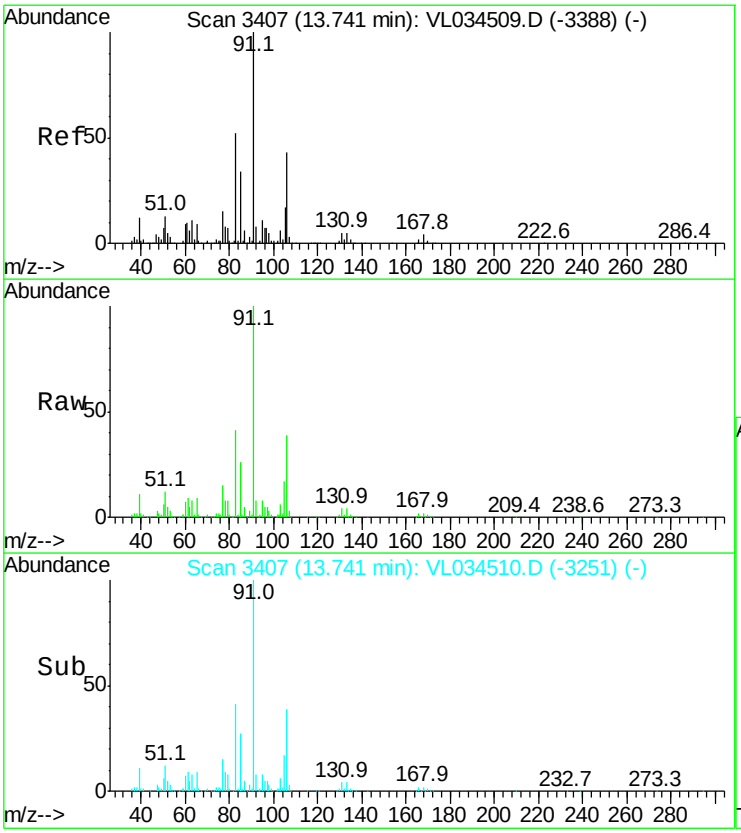
#59
m/p-Xylene
Concen: 2.035 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 619581

Ion	Ratio	Lower	Upper
91	100		
106	79.7	35.6	53.4#

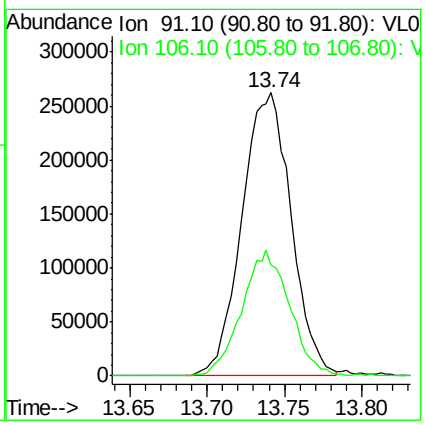


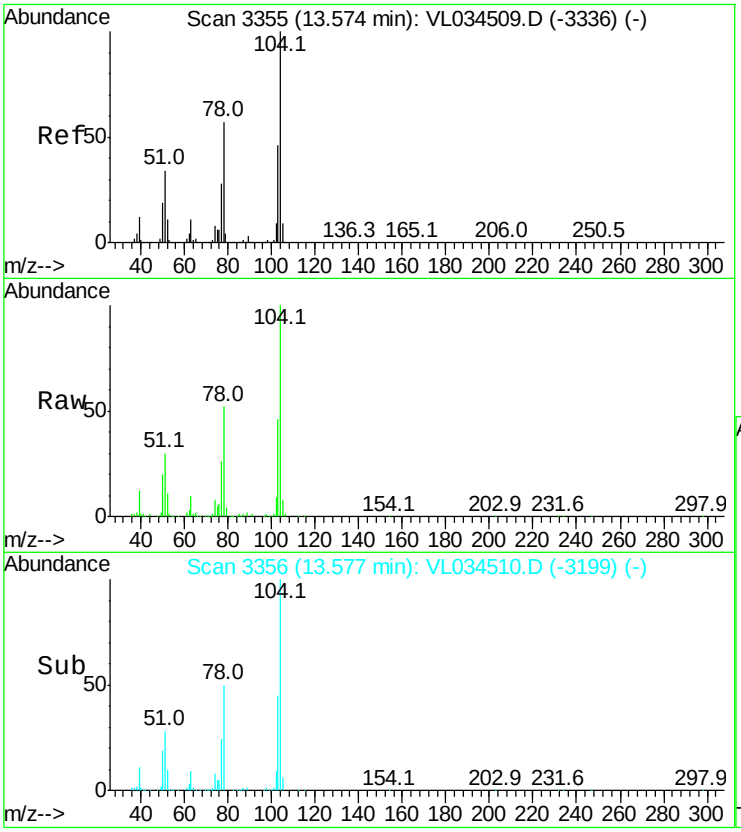


#60
o-Xylene
Concen: 1.927 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 91 Resp: 580085

Ion	Ratio	Lower	Upper
91	100		
106	43.3	21.4	64.3



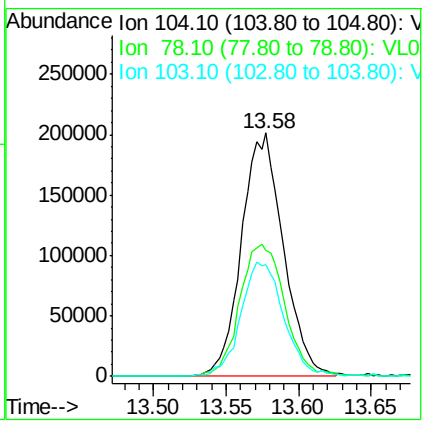


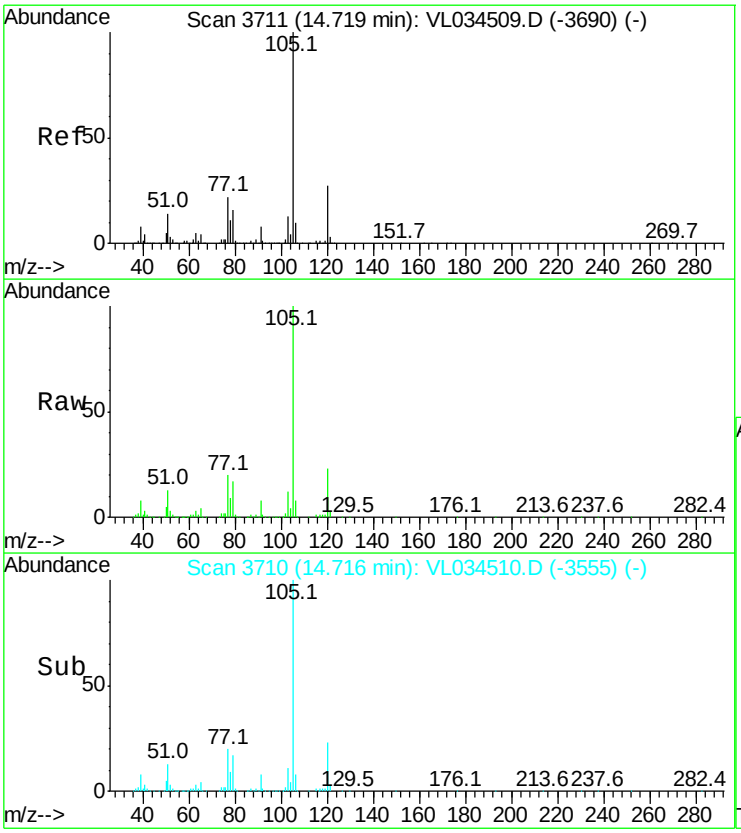
#61
Styrene
Concen: 1.863 ppbv
RT: 13.58 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:104 Resp: 404270

Ion	Ratio	Lower	Upper
104	100		
78	58.8	47.7	71.5
103	48.3	38.6	58.0

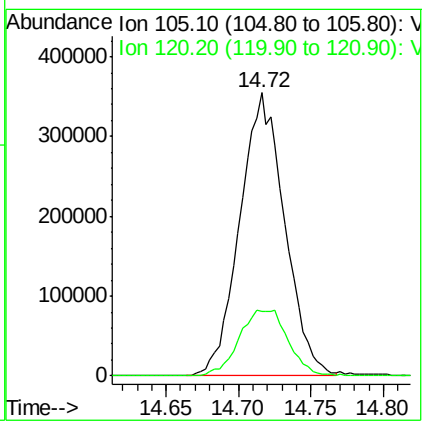


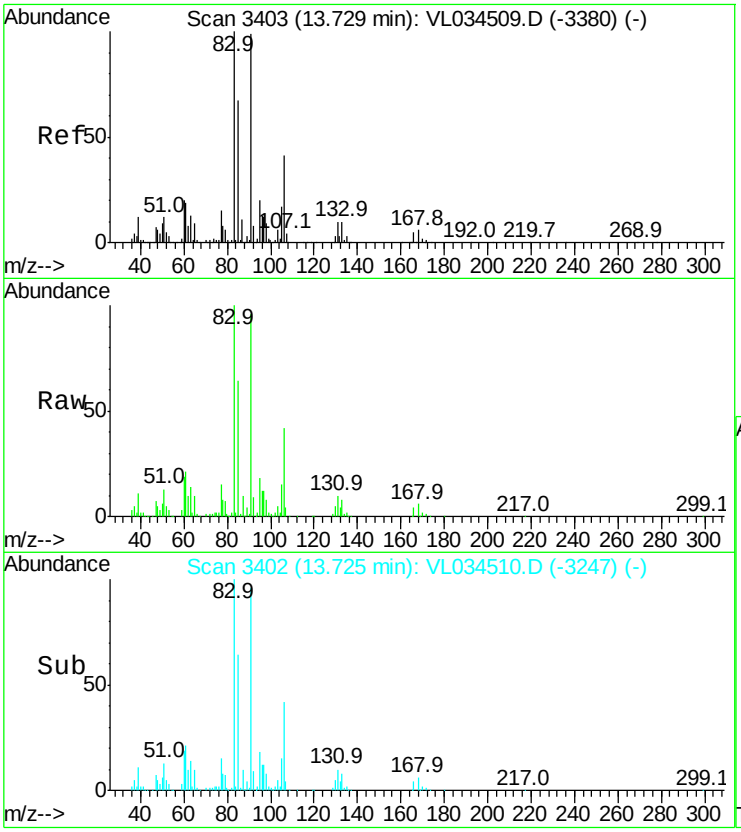


#62
Isopropylbenzene
Concen: 1.911 ppbv
RT: 14.72 min Scan# 3710
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:105 Resp: 760698

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.6	30.8



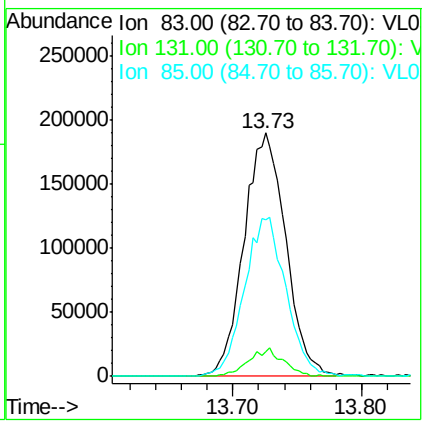


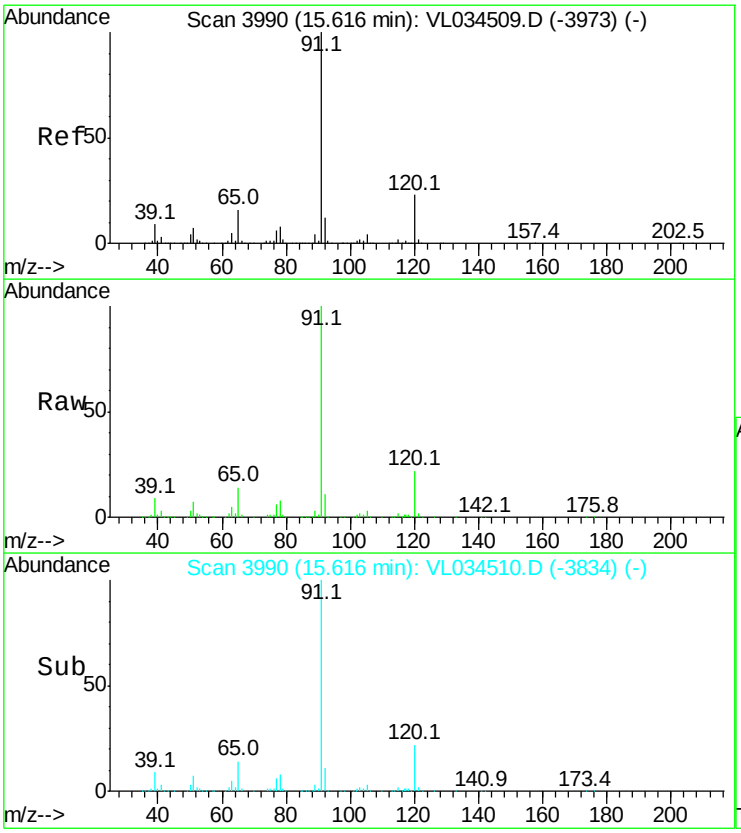
#63
1,1,2,2-Tetrachloroethane
Concen: 1.890 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 83 Resp: 427658

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	65.3	32.5	97.4

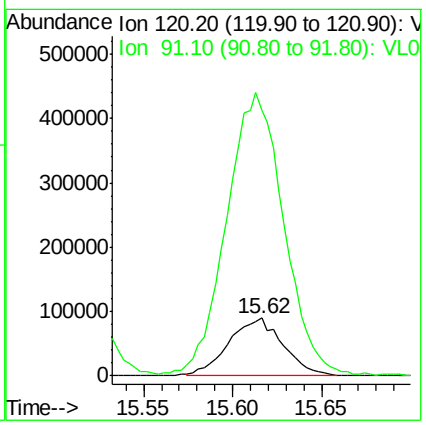


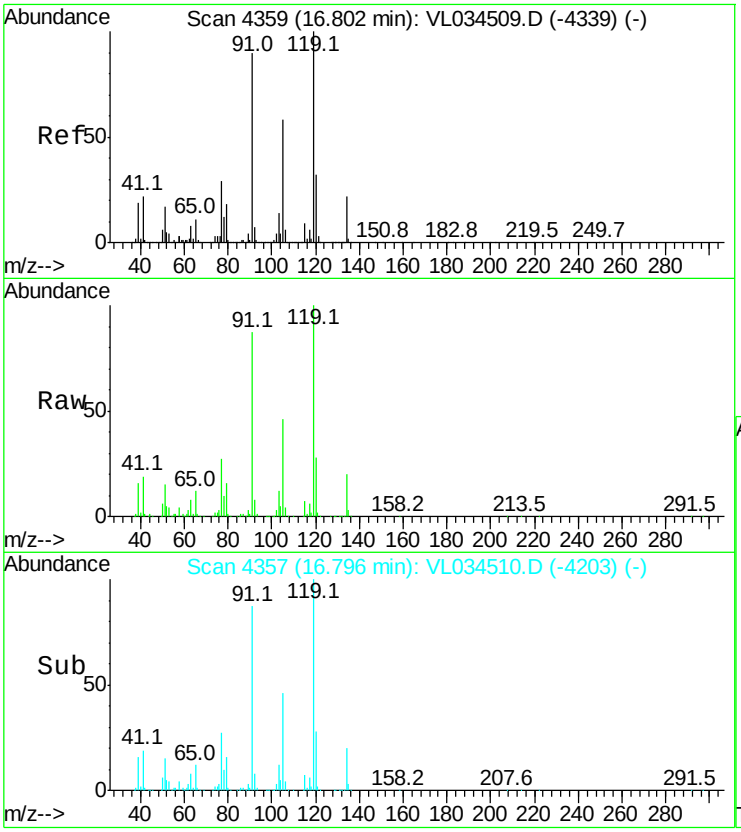


#64
n-propylbenzene
Concen: 1.839 ppbv
RT: 15.62 min Scan# 3990
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:120 Resp: 190092

Ion	Ratio	Lower	Upper
120	100		
91	521.4	375.6	563.4



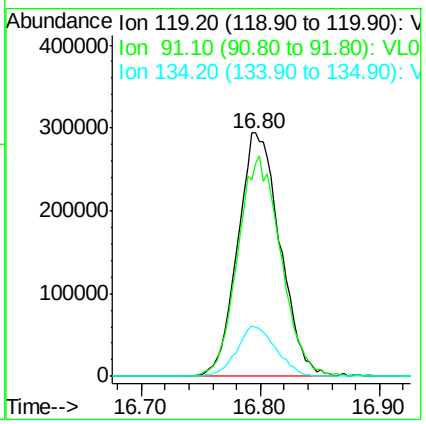


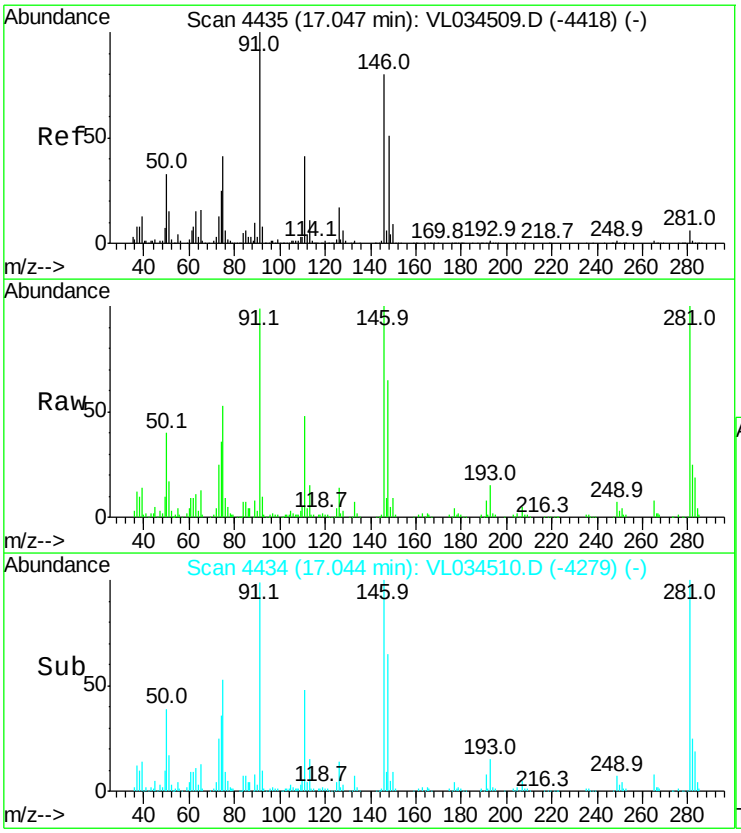
#65
tert-Butylbenzene
Concen: 2.024 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 723826

Ion	Ratio	Lower	Upper
119	100		
91	92.0	72.0	108.0
134	19.2	16.1	24.1

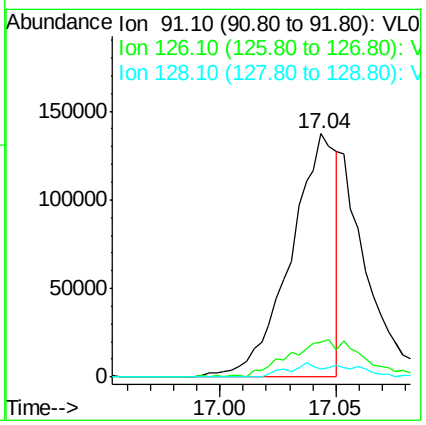


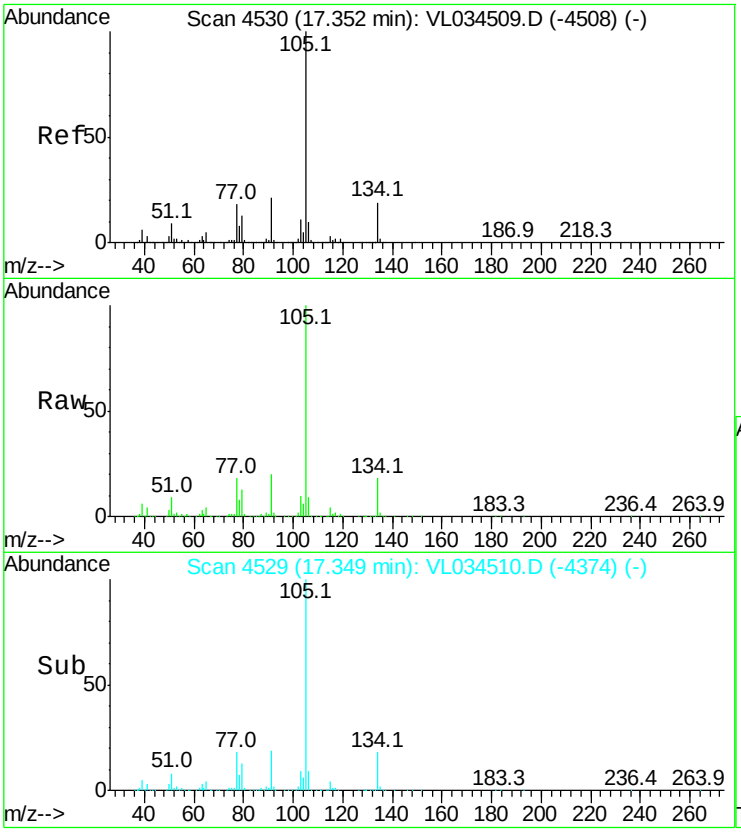


#66
Benzyl Chloride
Concen: 1.369 ppbv
RT: 17.04 min Scan# 4434
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 91 Resp: 188329

Ion	Ratio	Lower	Upper
91	100		
126	25.5	13.1	19.7#
128	8.2	4.2	6.4#



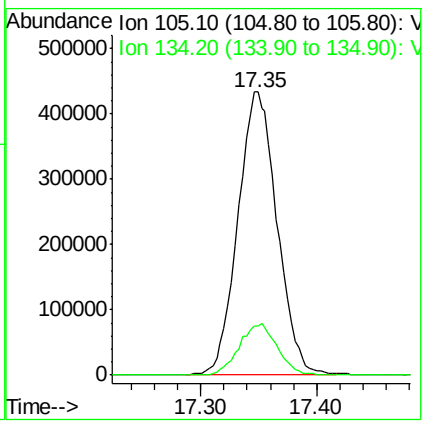


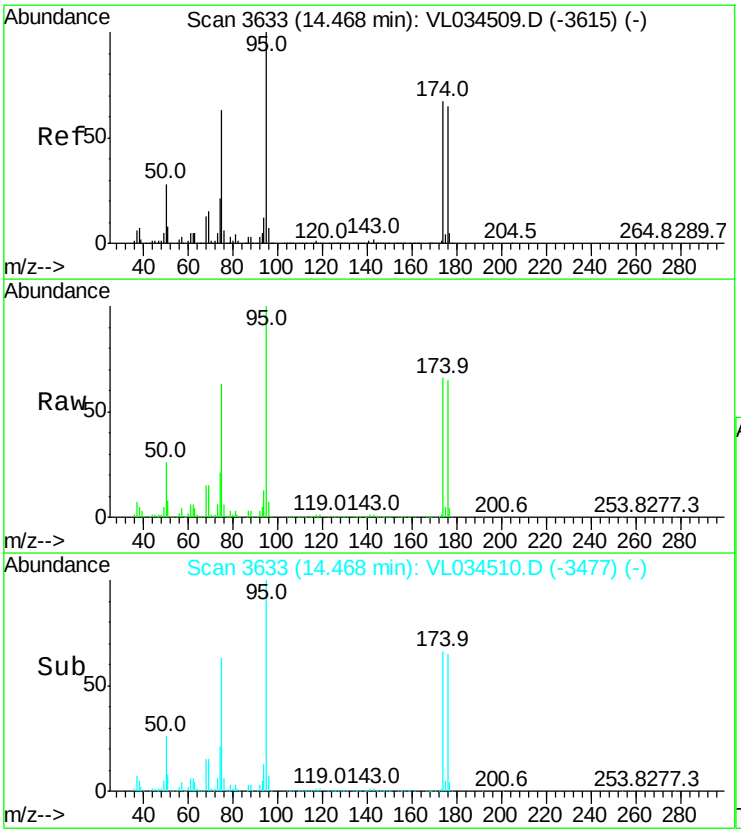
#67
sec-Butylbenzene
Concen: 2.031 ppbv
RT: 17.35 min Scan# 4529
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 1015569

Ion	Ratio	Lower	Upper
105	100		
134	17.7	15.1	22.7

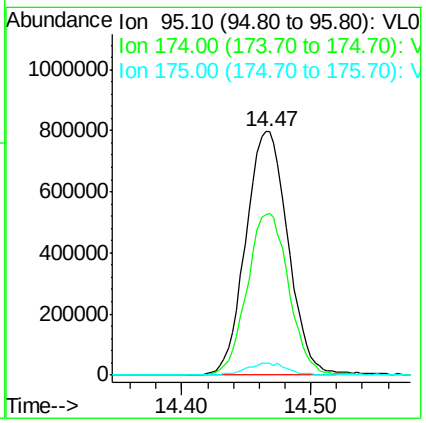


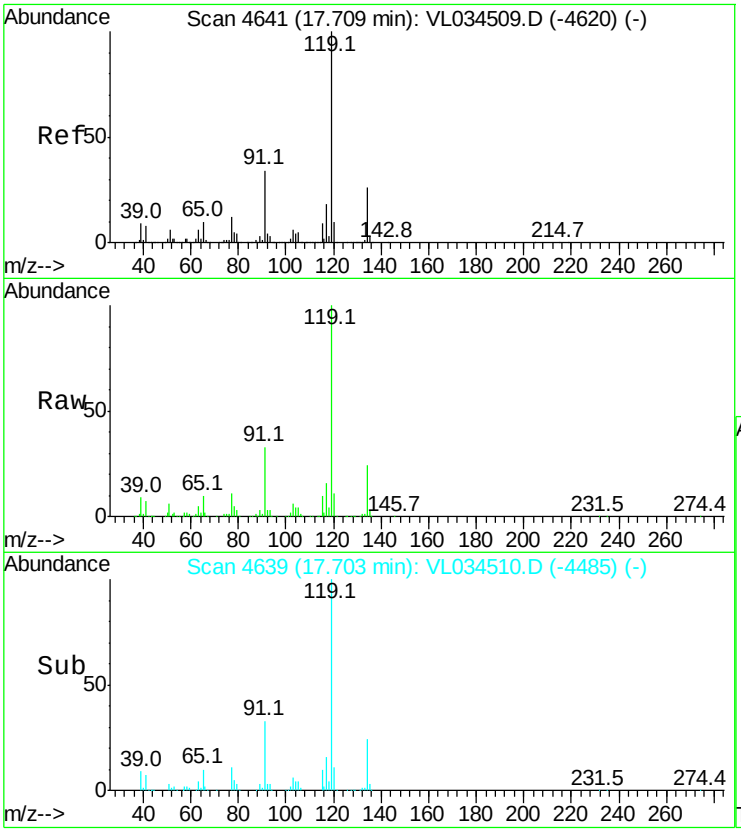


#68
1-Bromo-4-Fluorobenzene
Concen: 9.497 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 95 Resp: 1813045

Ion	Ratio	Lower	Upper
95	100		
174	66.3	52.4	78.6
175	4.8	3.9	5.9



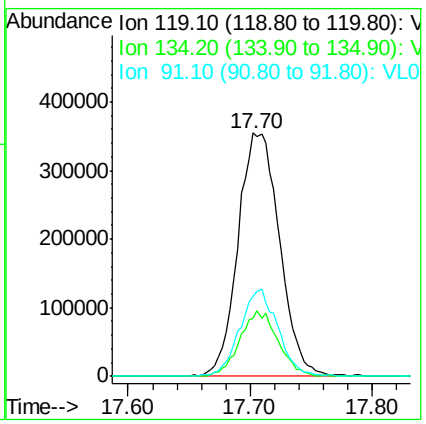


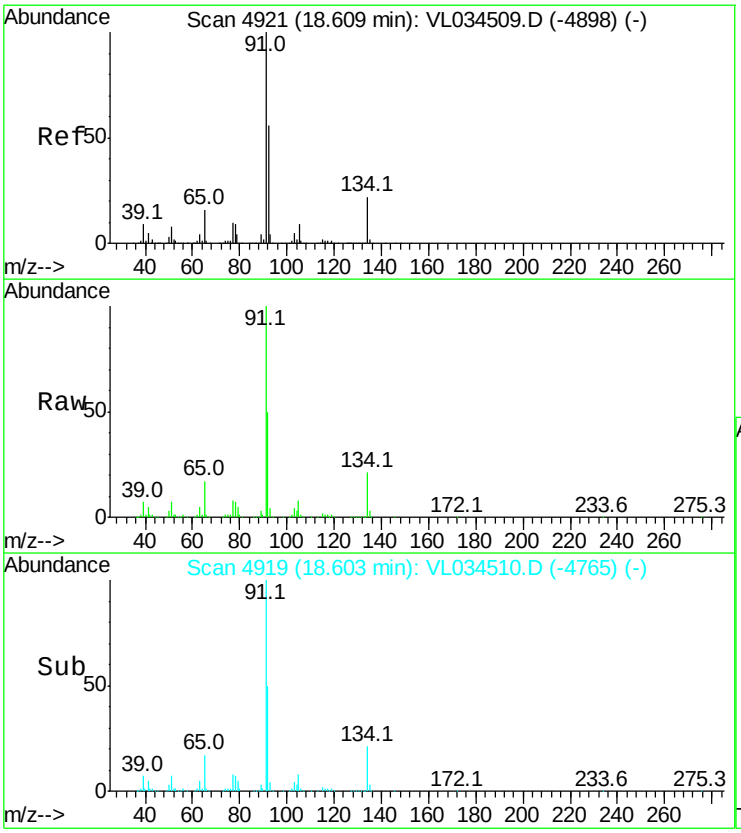
#69
p-Isopropyltoluene
Concen: 2.007 ppbv
RT: 17.70 min Scan# 4639
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 833233

Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.7	31.1
91	32.9	26.6	39.8

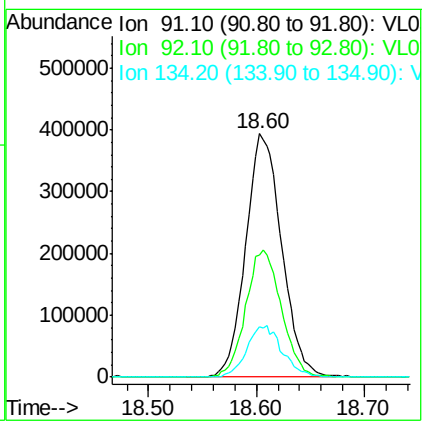


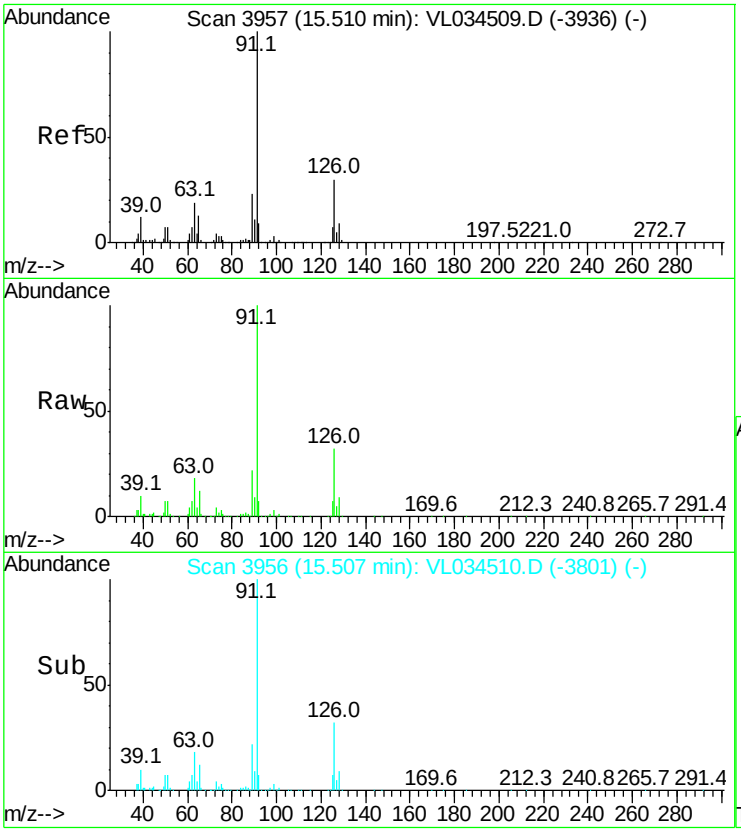


#70
n-Butylbenzene
Concen: 2.032 ppbv
RT: 18.60 min Scan# 4919
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 91 Resp: 907758

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



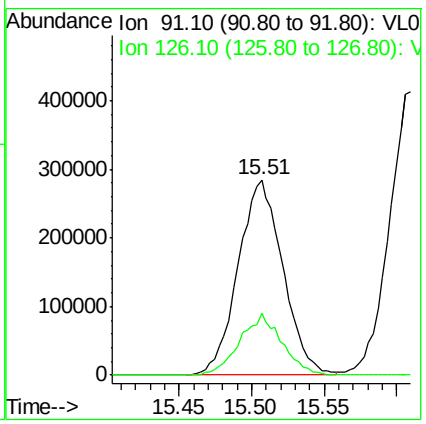


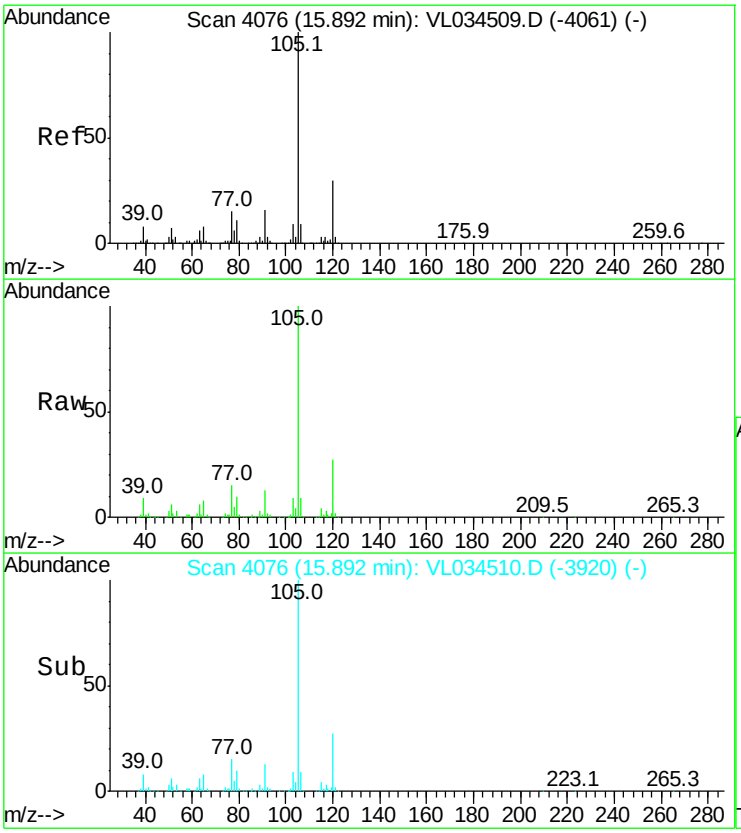
#71
2-Chlorotoluene
Concen: 1.924 ppbv
RT: 15.51 min Scan# 3956
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 610556

Ion	Ratio	Lower	Upper
91	100		
126	29.5	12.0	47.8

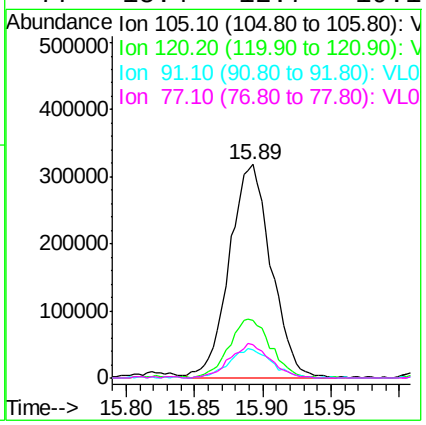


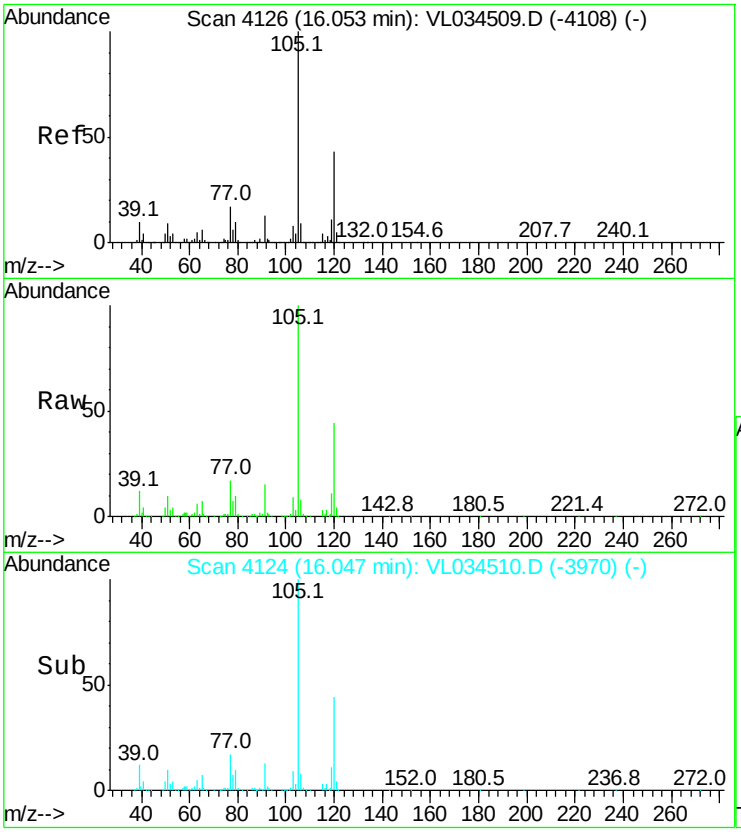


#72
4-Ethyltoluene
Concen: 1.937 ppbv
RT: 15.89 min Scan# 4076
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:105 Resp: 673611

Ion	Ratio	Lower	Upper
105	100		
120	28.0	23.7	35.5
91	14.3	11.5	17.3
77	15.4	12.7	19.1



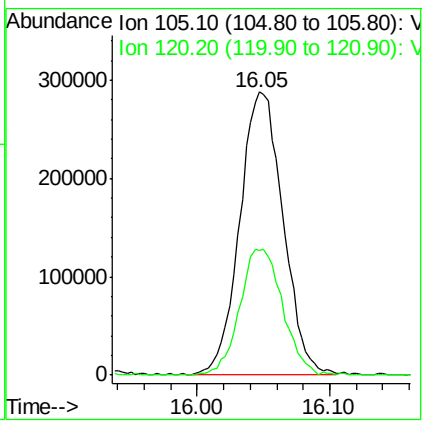


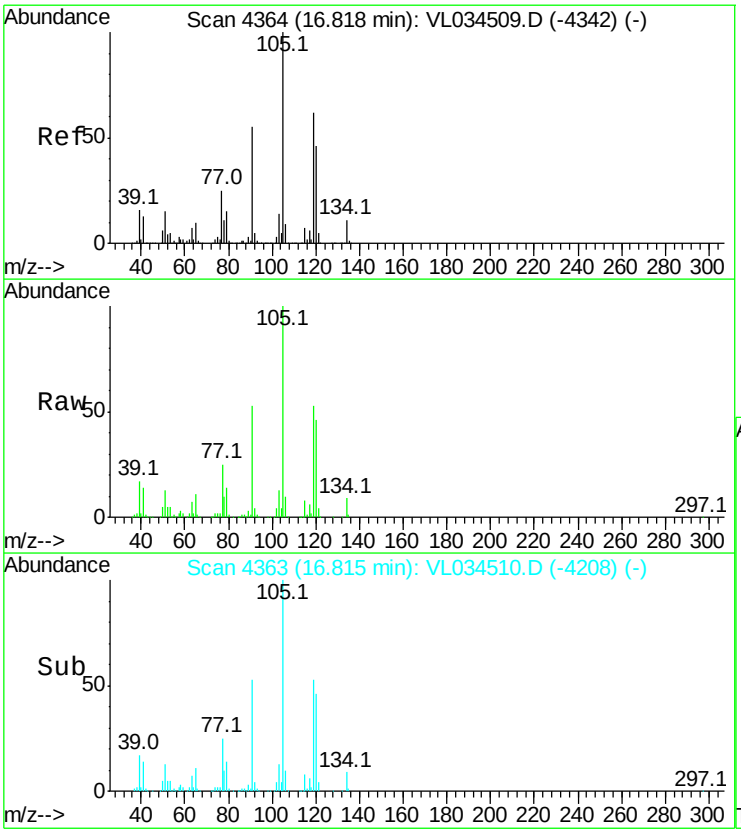
#73
1,3,5-Trimethylbenzene
Concen: 1.917 ppbv
RT: 16.05 min Scan# 4124
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 652429

Ion	Ratio	Lower	Upper
105	100		
120	44.0	34.6	52.0

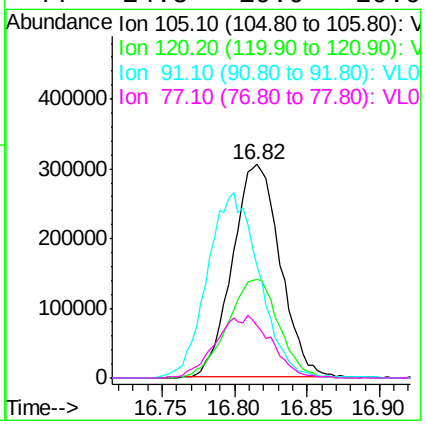


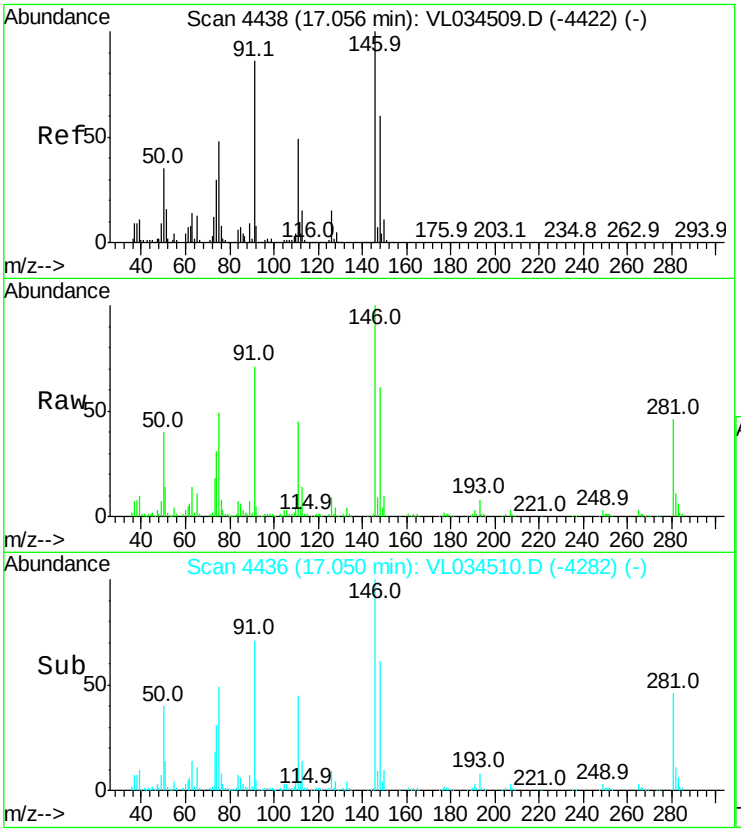


#74
1,2,4-Trimethylbenzene
Concen: 1.926 ppbv
RT: 16.82 min Scan# 4363
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:105 Resp: 696481

Ion	Ratio	Lower	Upper
105	100		
120	46.1	36.7	55.1
91	52.4	44.0	66.0
77	24.5	19.9	29.9



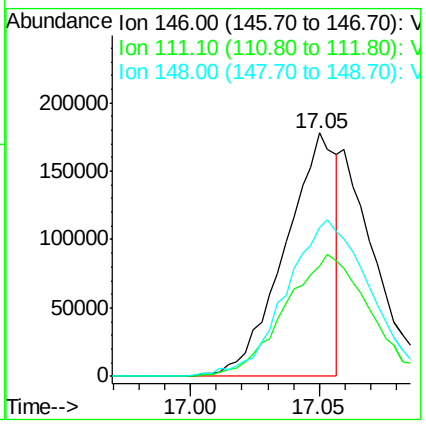


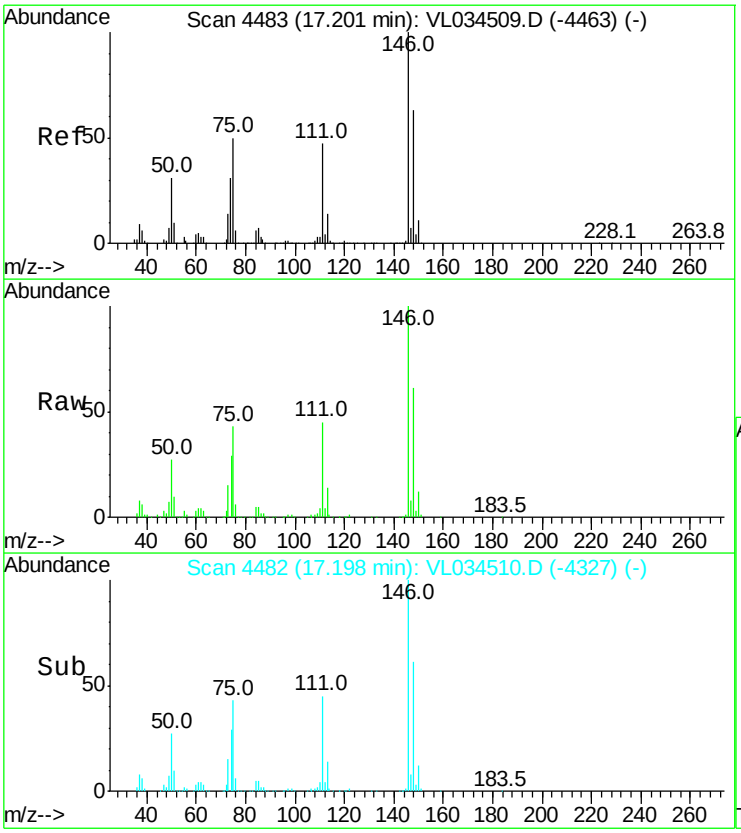
#75
1,3-Dichlorobenzene
Concen: 1.175 ppbv
RT: 17.05 min Scan# 4436
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 244182

Ion	Ratio	Lower	Upper
146	100		
111	82.7	25.1	75.3#
148	106.0	33.0	99.0#

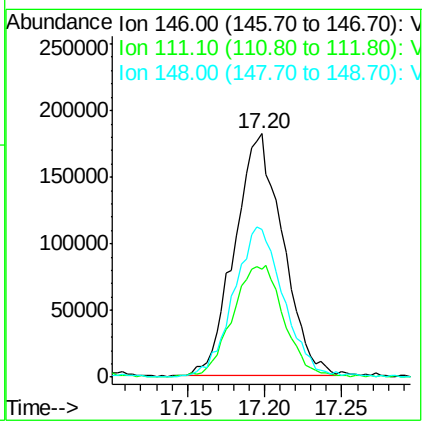


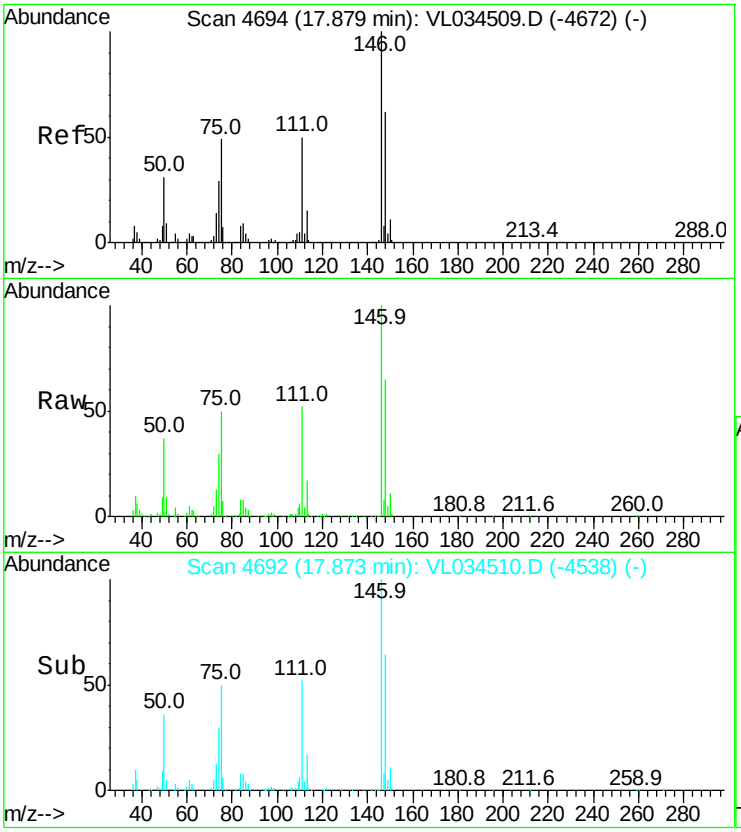


#76
1,4-Dichlorobenzene
Concen: 1.935 ppbv
RT: 17.20 min Scan# 4482
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:146 Resp: 390626

Ion	Ratio	Lower	Upper
146	100		
111	49.6	23.5	70.6
148	65.2	32.1	96.3



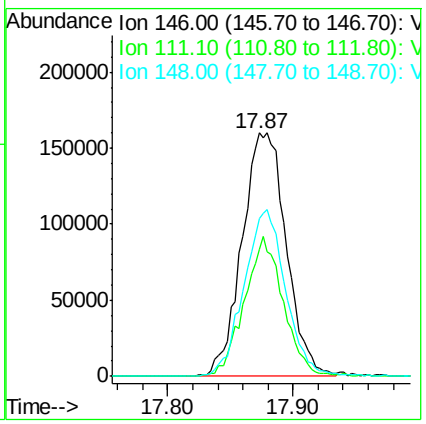


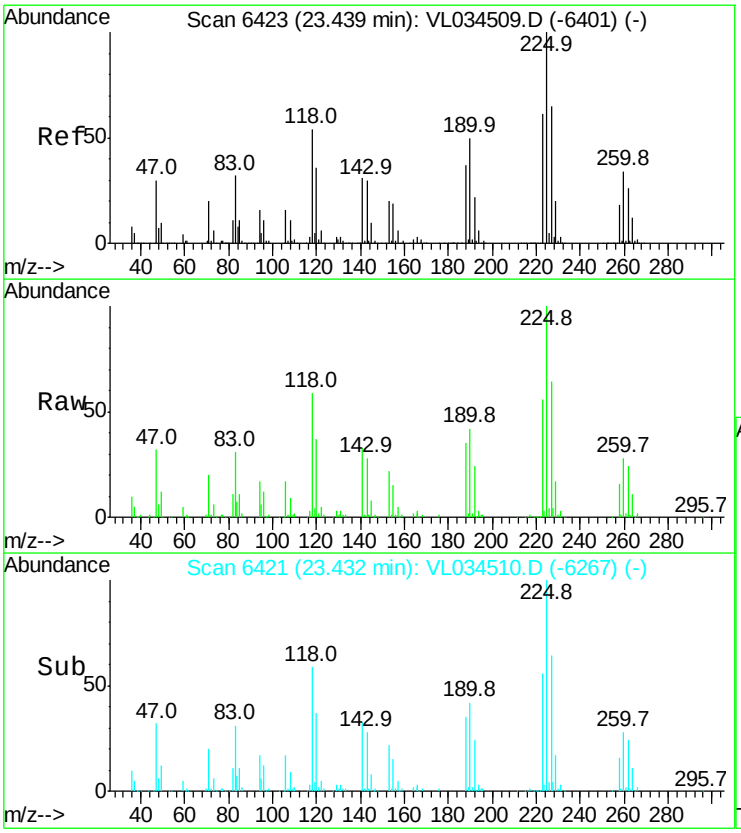
#77
1,2-Dichlorobenzene
Concen: 1.952 ppbv
RT: 17.87 min Scan# 4692
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:146 Resp: 391770

Ion	Ratio	Lower	Upper
146	100		
111	50.8	25.3	75.8
148	64.6	32.1	96.3

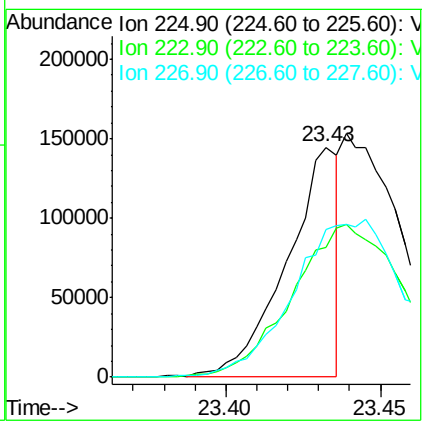


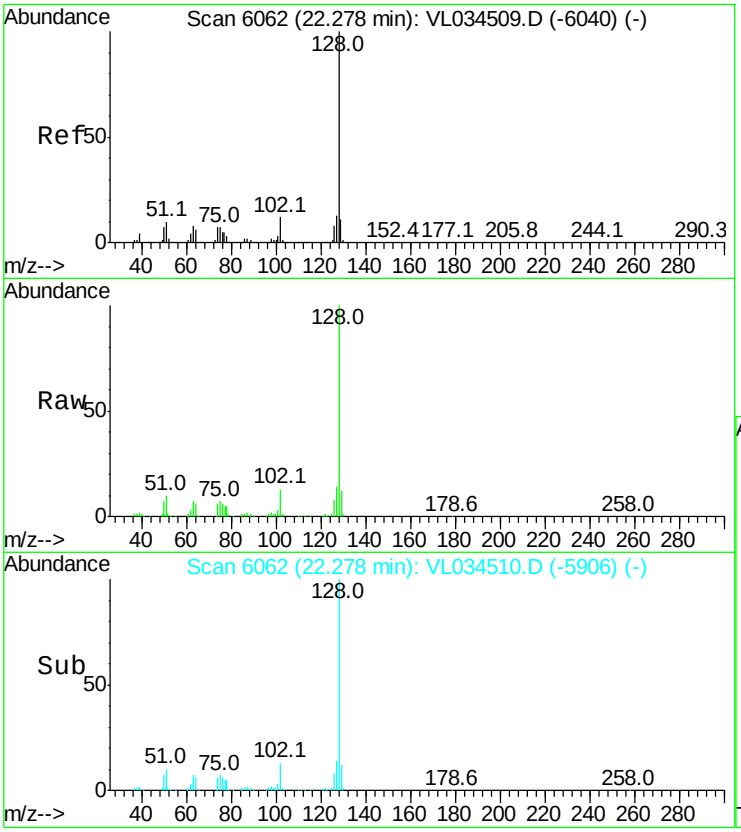


#78
Hexachloro-1,3-Butadiene
Concen: 0.966 ppbv
RT: 23.43 min Scan# 6421
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:225 Resp: 166566

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.0	76.6#
227	0.0	51.8	77.6#



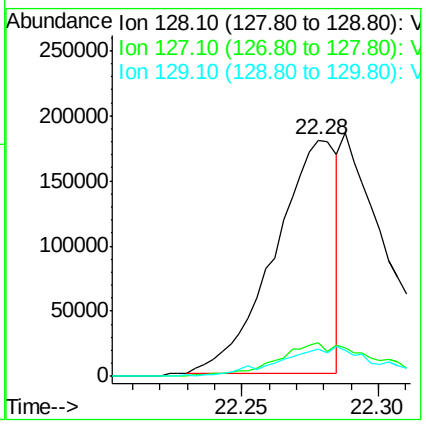


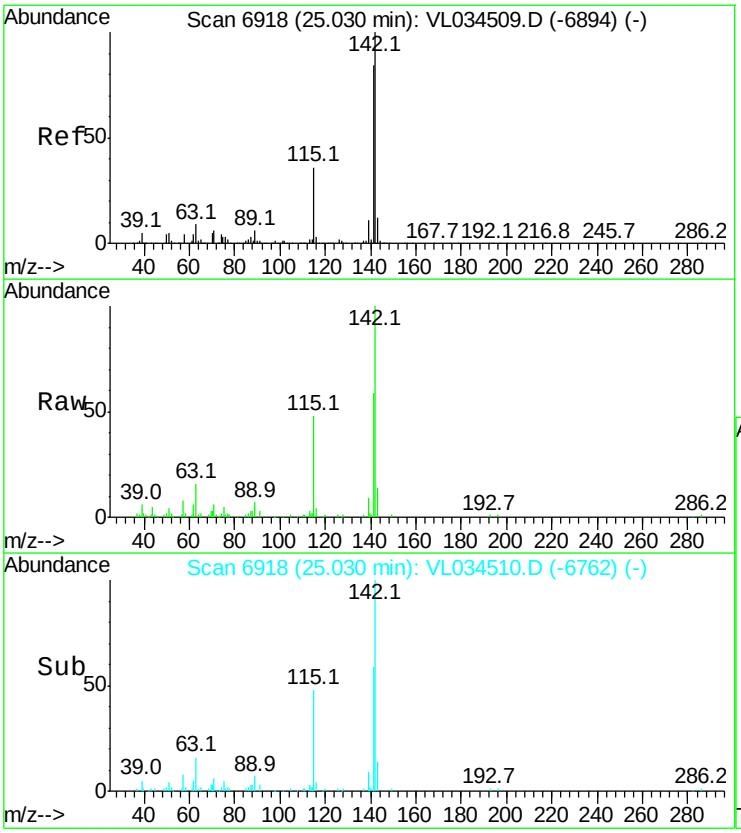
#79
Naphthalene
Concen: 0.902 ppbv
RT: 22.28 min Scan# 6062
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 282825

Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.6	15.8
129	11.1	8.7	13.1

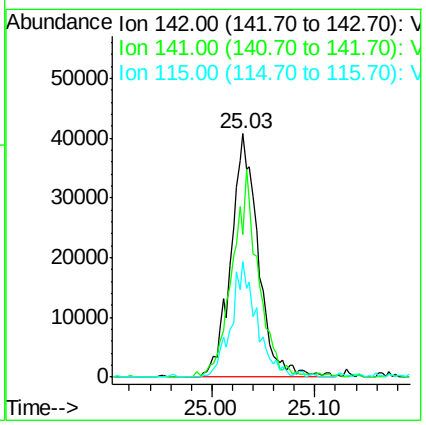


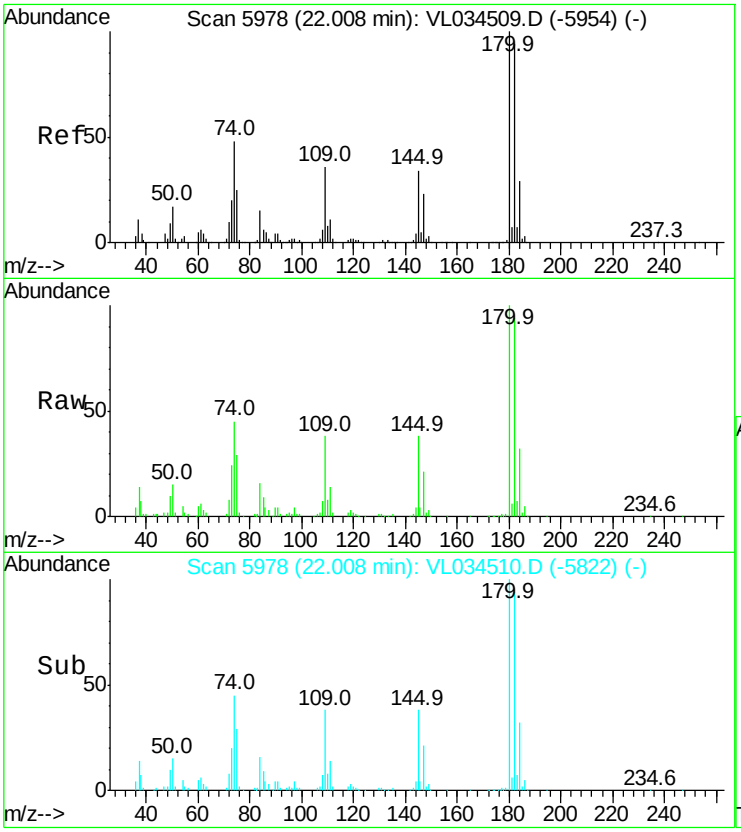


#80
Naphthalene,2-methyl-
Concen: 0.532 ppbv
RT: 25.03 min Scan# 6918
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion:142 Resp: 75330

Ion	Ratio	Lower	Upper
142	100		
141	81.7	65.8	98.8
115	44.9	30.4	45.6





#81
1,2,4-Trichlorobenzene
Concen: 1.727 ppbv
RT: 22.01 min Scan# 5978
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 332575

Ion	Ratio	Lower	Upper
180	100		
182	98.4	77.8	116.8
184	31.1	25.2	37.8