Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034491.D
Acq On : 10 Dec 2019 11:04
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Dec 10 13:18:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	920443	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1804941	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1981222	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1610899	9.66	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1682496	10.104	ppbv	99
3) Chlorodifluoromethane	2.96	51	1063212	9.258	ppbv	98
4) Chloromethane	3.11	50	562907	8.310	ppbv	98
5) Vinyl Chloride	3.23	62	541211	8.527	ppbv	90
6) Bromomethane	3.45	94	307630	9.633	ppbv	91
7) Chloroethane	3.54	64	200138	8.688	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	1308884	8.753	ppbv	99
9) Propene	2.98	41	407276	7.988	ppbv	100
10) Heptane	8.15	43	1127659	8.570	ppbv	99
11) Trichlorofluoromethane	3.93	101	1518726	9.164	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	999569	9.082	ppbv	98
13) Ethanol	3.58	45	119169	8.391	ppbv	95
14) Bromoethene	3.72	108	397268	8.878	ppbv	99
15) Acetone	3.83	43	1079952	8.194	ppbv	99
16) 1,3-Butadiene	3.30	39	505225	8.800	ppbv	99
17) tert-Butyl alcohol	4.28	59	1050922	9.486	ppbv	99
18) 1,1-Dichloroethene	4.28	96	432908	8.993	ppbv	99
19) Isopropyl Alcohol	3.95	45	871041	10.310	ppbv #	99
20) Methylene Chloride	4.33	84	384493	8.227	ppbv	93
21) Allyl Chloride	4.40	41	730469	9.249	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	444552	9.161	ppbv	97
23) Vinyl Acetate	5.07	43	1564458	9.086	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1145757	8.663	ppbv	99
25) Ethyl Acetate	5.68	43	1949366	8.288	ppbv	99
26) Hexane	5.69	57	839870	8.310	ppbv	98
27) Carbon Disulfide	4.54	76	1099838	9.992	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1411132	8.421	ppbv	100
29) Chloroform	5.77	83	1393588	8.515	ppbv	98
30) Cyclohexane	7.15	84	668209	8.746	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	892235	8.543	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	1436365	9.361	ppbv	98
34) 2-Butanone	5.25	43	1295102	8.717	ppbv	97
35) Carbon Tetrachloride	7.04	117	1525161	9.828	ppbv	98
36) Benzene	6.91	78	1595428	8.842	ppbv	95
37) 1,2-Dichloroethane	6.32	62	1243866	9.280	ppbv	99
38) Trichloroethene	7.87	130	634086	8.564	ppbv	98
39) 1,2-Dichloropropane	7.64	63	661236	9.513	ppbv	90
40) 1,4-Dioxane	7.86	88	144093	4.745	ppbv #	4
41) Tetrahydrofuran	6.06	42	726026	8.713	ppbv	98
42) Bromodichloromethane	7.82	83	1558652	9.298	ppbv	96
43) Methyl Methacrylate	8.04	69	687735	9.190	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034491.D
Acq On : 10 Dec 2019 11:04
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Dec 10 13:18:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	2937672	8.909	ppbv		99
45) t-1,3-Dichloropropene	9.32	75	895690	9.333	ppbv		99
46) cis-1,3-Dichloropropene	8.74	75	1005837	9.330	ppbv		100
47) 1,1,2-Trichloroethane	9.52	97	691131	8.938	ppbv		95
48) Dibromochloromethane	10.35	129	1301602	9.804	ppbv		100
49) Bromoform	13.10	173	1169102	9.865	ppbv		99
50) 4-Methyl-2-Pentanone	8.77	43	1967774	9.154	ppbv		99
51) 2-Hexanone	10.17	43	1646961	9.147	ppbv		96
52) Tetrachloroethene	11.28	164	605949	7.762	ppbv		97
53) Toluene	9.85	91	1851357	9.033	ppbv		100
54) 1,2-Dibromoethane	10.66	107	1099368	9.274	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.18	131	893279	9.217	ppbv		98
57) Chlorobenzene	12.20	112	1448665	8.089	ppbv		98
58) Ethyl Benzene	12.76	91	2601761	8.462	ppbv		95
59) m/p-Xylene	13.05	91	2309865	8.691	ppbv	#	39
60) o-Xylene	13.75	91	2245737	8.546	ppbv		99
61) Styrene	13.59	104	1568682	8.278	ppbv		99
62) Isopropylbenzene	14.73	105	2934421	8.444	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1631733	8.261	ppbv		100
64) n-propylbenzene	15.62	120	762431	8.448	ppbv		96
65) tert-Butylbenzene	16.81	119	2646219	8.477	ppbv		99
66) Benzyl Chloride	17.06	91	1240159	10.326	ppbv		99
67) sec-Butylbenzene	17.36	105	3725077	8.530	ppbv		99
69) p-Isopropyltoluene	17.72	119	3090047	8.526	ppbv		99
70) n-Butylbenzene	18.61	91	3293666	8.446	ppbv		99
71) 2-Chlorotoluene	15.51	91	2337011	8.434	ppbv		99
72) 4-Ethyltoluene	15.90	105	2548717	8.394	ppbv		99
73) 1,3,5-Trimethylbenzene	16.06	105	2453488	8.255	ppbv		98
74) 1,2,4-Trimethylbenzene	16.83	105	2551522	8.082	ppbv	#	91
75) 1,3-Dichlorobenzene	17.06	146	1450821	7.995	ppbv		100
76) 1,4-Dichlorobenzene	17.20	146	1421268	8.066	ppbv		99
77) 1,2-Dichlorobenzene	17.89	146	1422566	8.116	ppbv		99
78) Hexachloro-1,3-Butadiene	23.45	225	1172381	7.785	ppbv		99
79) Naphthalene	22.29	128	2149291	7.853	ppbv		98
80) Naphthalene,2-methyl-	25.03	142	600597	4.860	ppbv		99
81) 1,2,4-Trichlorobenzene	22.02	180	1212972	7.214	ppbv		99

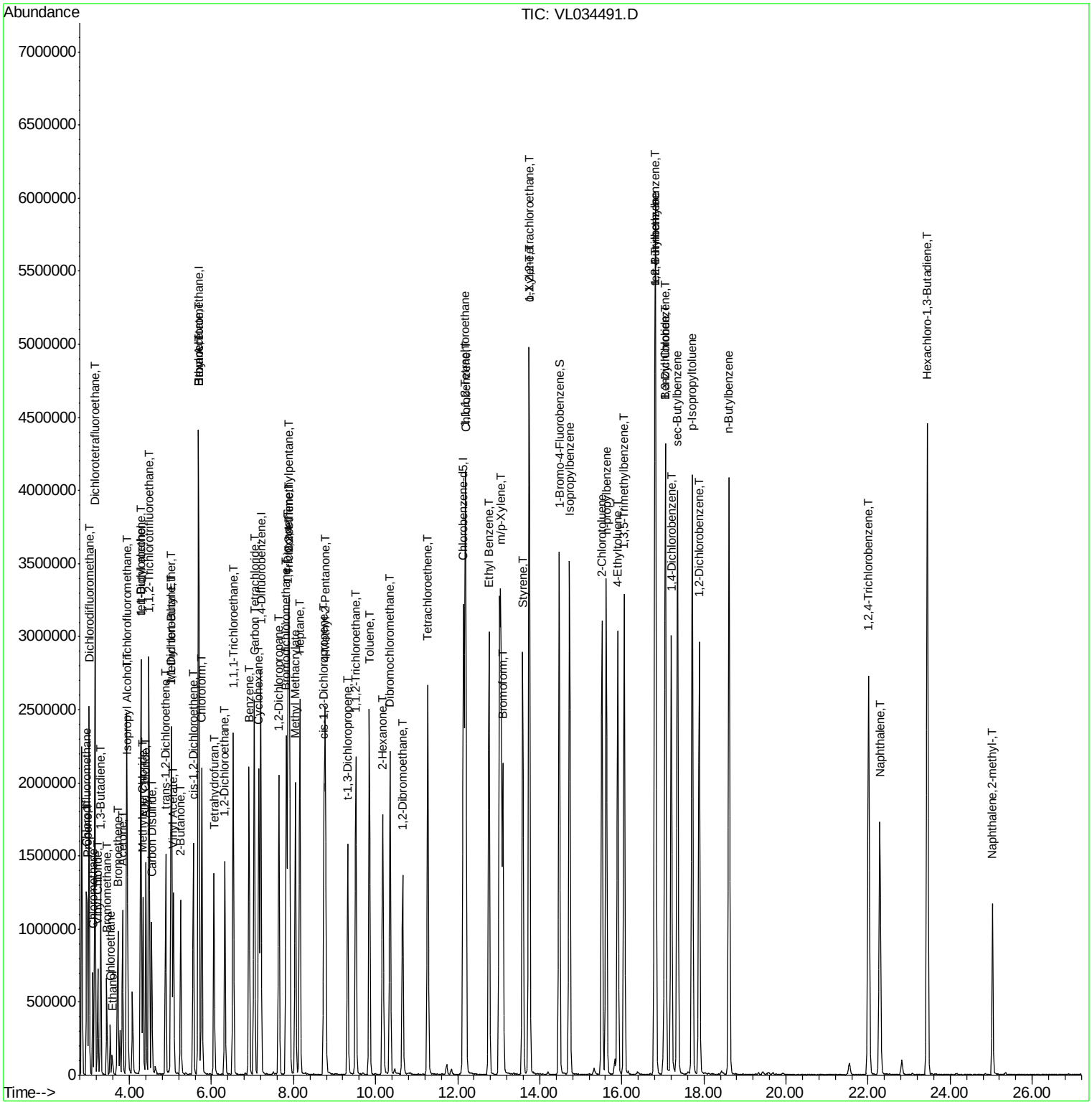
(#) = qualifier out of range (m) = manual integration (+) = signals summed

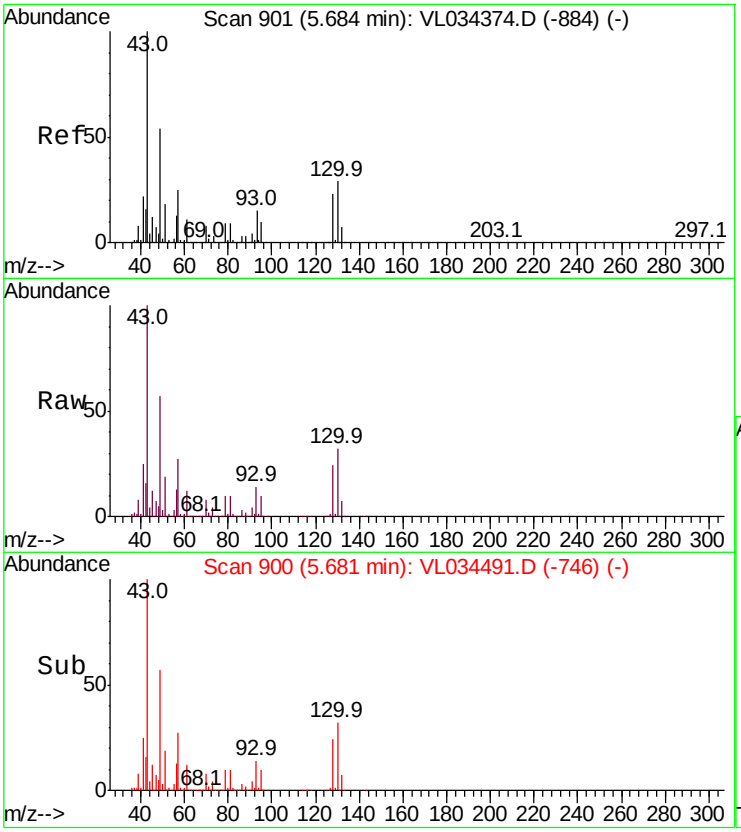
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034491.D
Acq On : 10 Dec 2019 11:04
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Dec 10 13:18:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



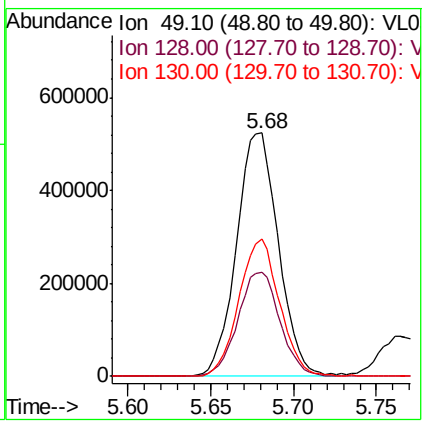


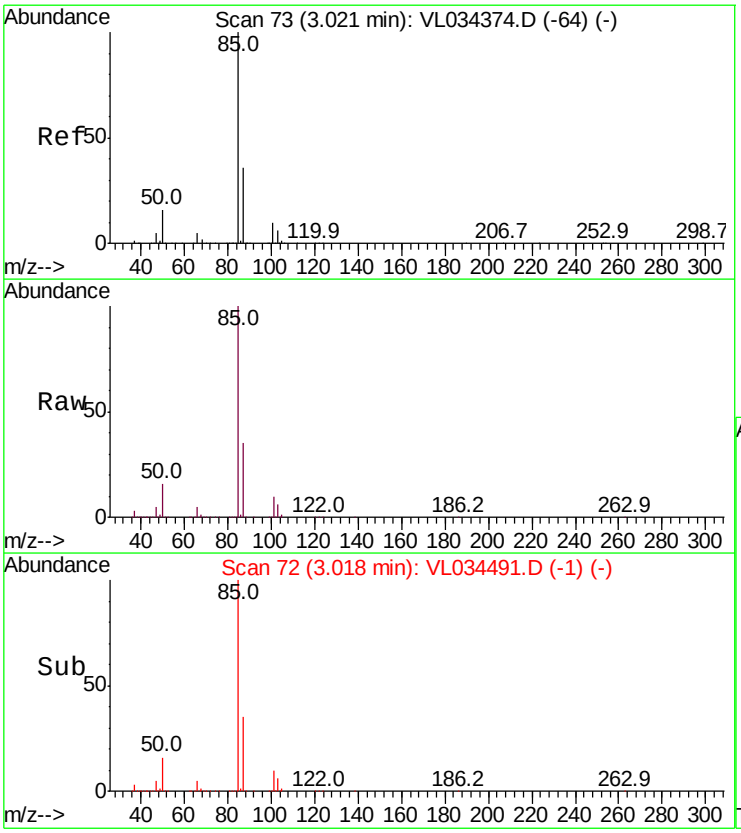
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 49 Resp: 920443

Ion	Ratio	Lower	Upper
49	100		
128	43.3	21.8	65.3
130	55.1	28.0	84.0

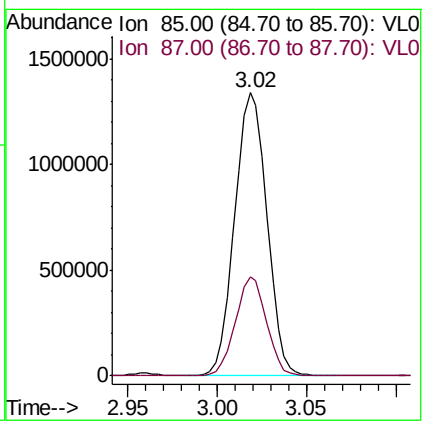


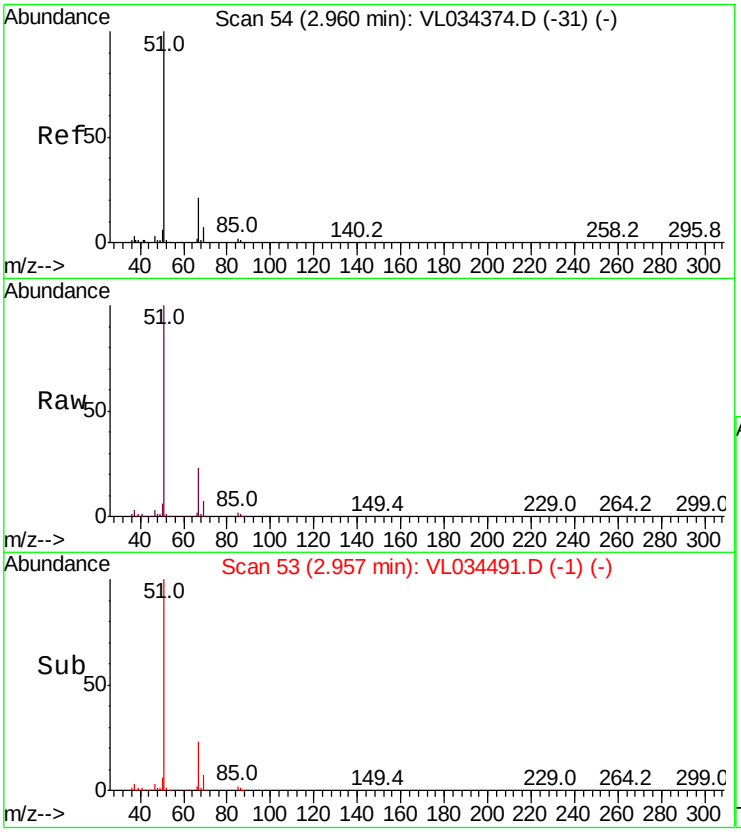


#2
Dichlorodifluoromethane
Concen: 10.104 ppbv
RT: 3.02 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 85 Resp: 1682496

Ion	Ratio	Lower	Upper
85	100		
87	35.0	28.5	42.7



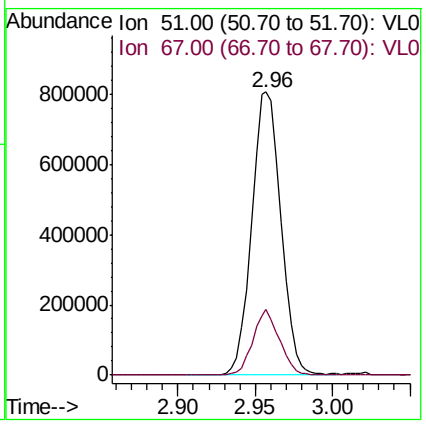


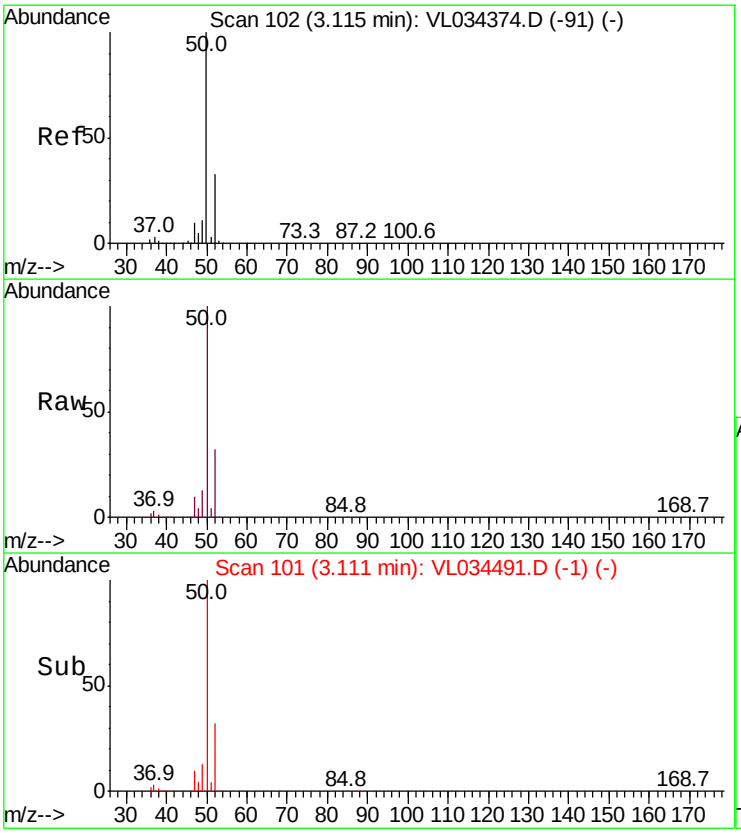
#3
Chlorodifluoromethane
Concen: 9.258 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 1063212

Ion	Ratio	Lower	Upper
51	100		
67	21.0	16.2	24.2

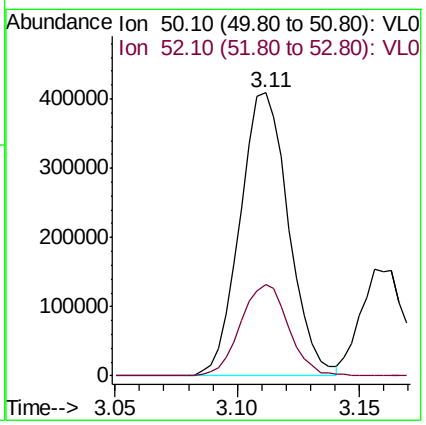


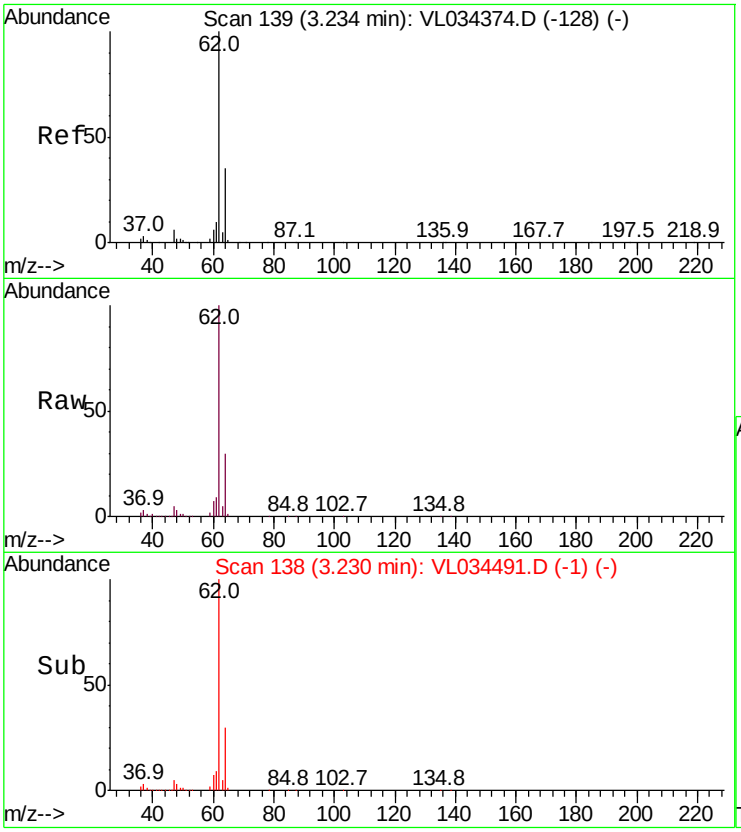


#4
Chloromethane
Concen: 8.310 ppbv
RT: 3.11 min Scan# 101
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 50 Resp: 562907

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.8	40.2



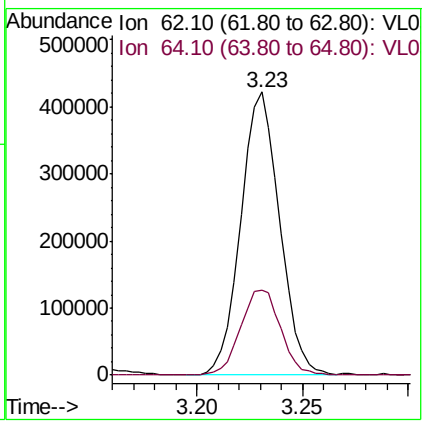


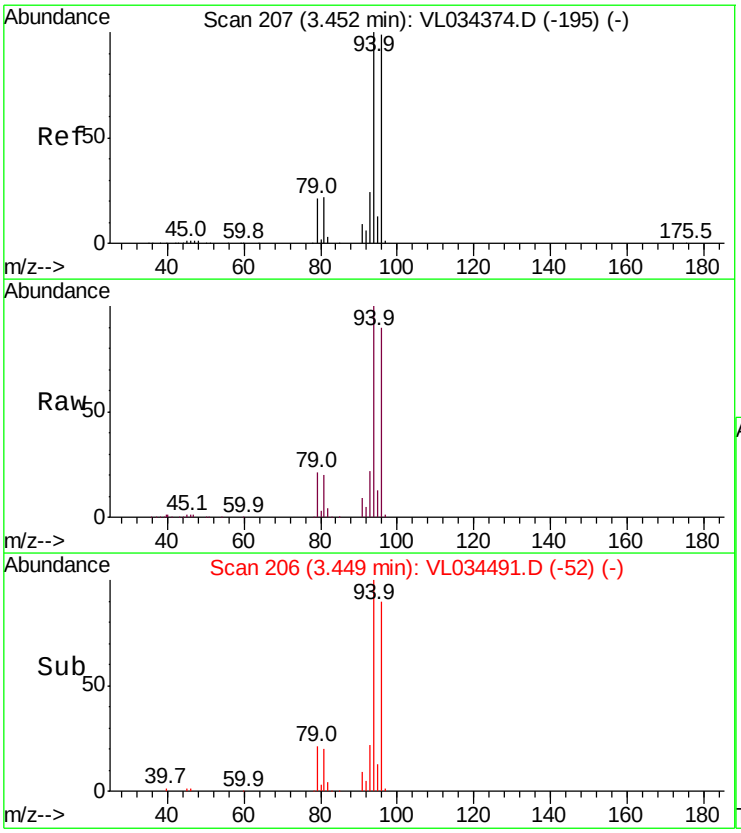
#5
Vinyl Chloride
Concen: 8.527 ppbv
RT: 3.23 min Scan# 138
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 541211

Ion	Ratio	Lower	Upper
62	100		
64	29.9	28.4	42.6

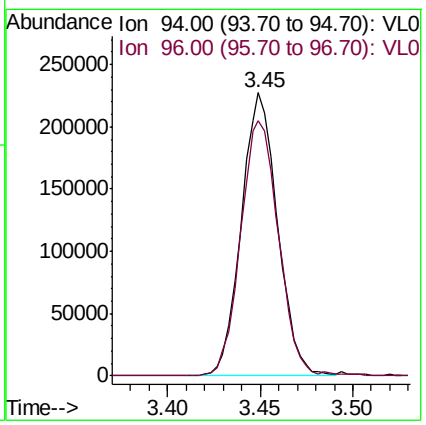


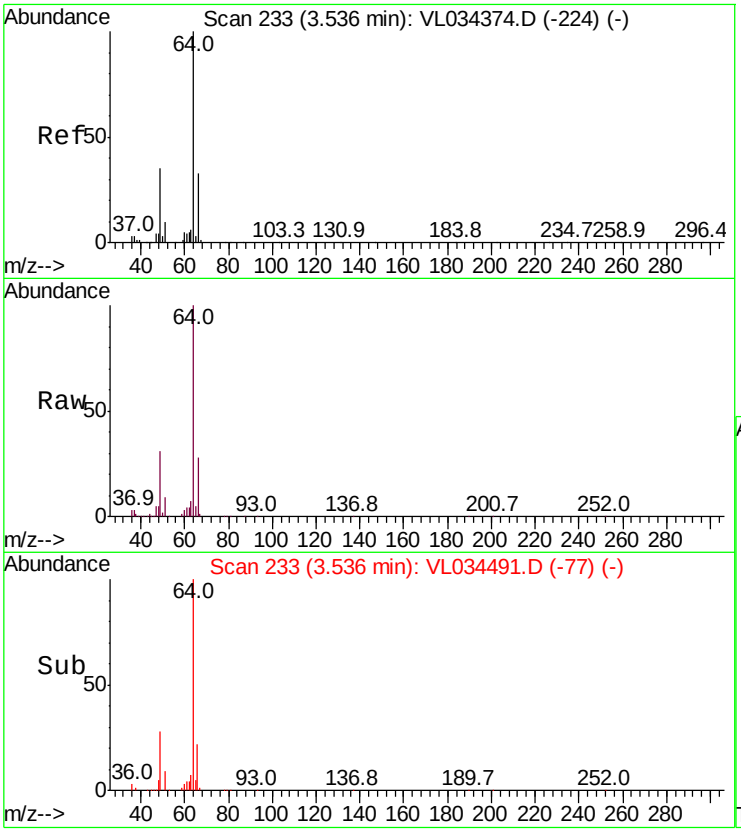


#6
Bromomethane
Concen: 9.633 ppbv
RT: 3.45 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 94 Resp: 307630

Ion	Ratio	Lower	Upper
94	100		
96	90.2	79.5	119.3



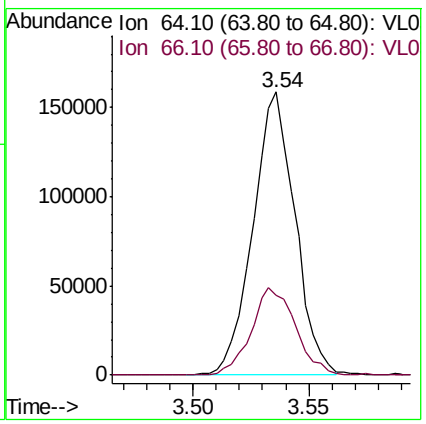


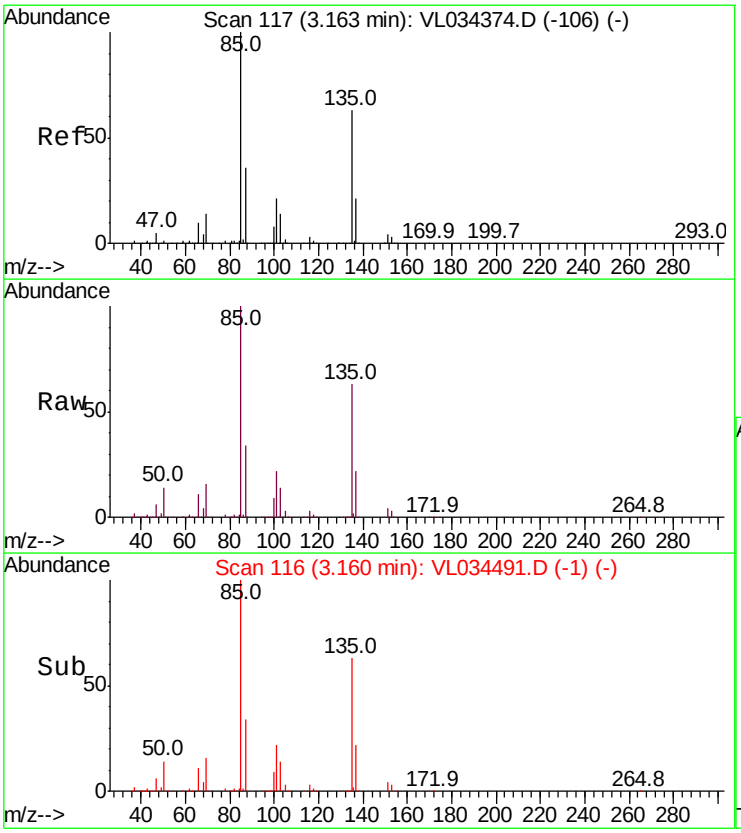
#7
Chloroethane
Concen: 8.688 ppbv
RT: 3.54 min Scan# 233
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 64 Resp: 200138

Ion	Ratio	Lower	Upper
64	100		
66	28.3	26.0	39.0

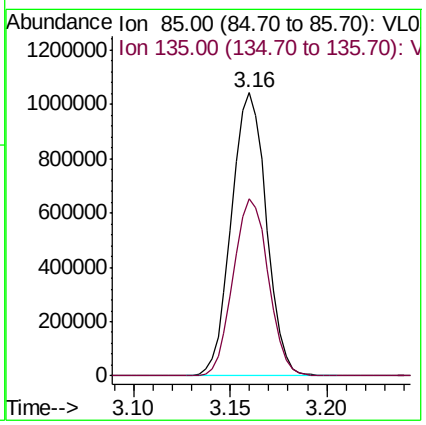


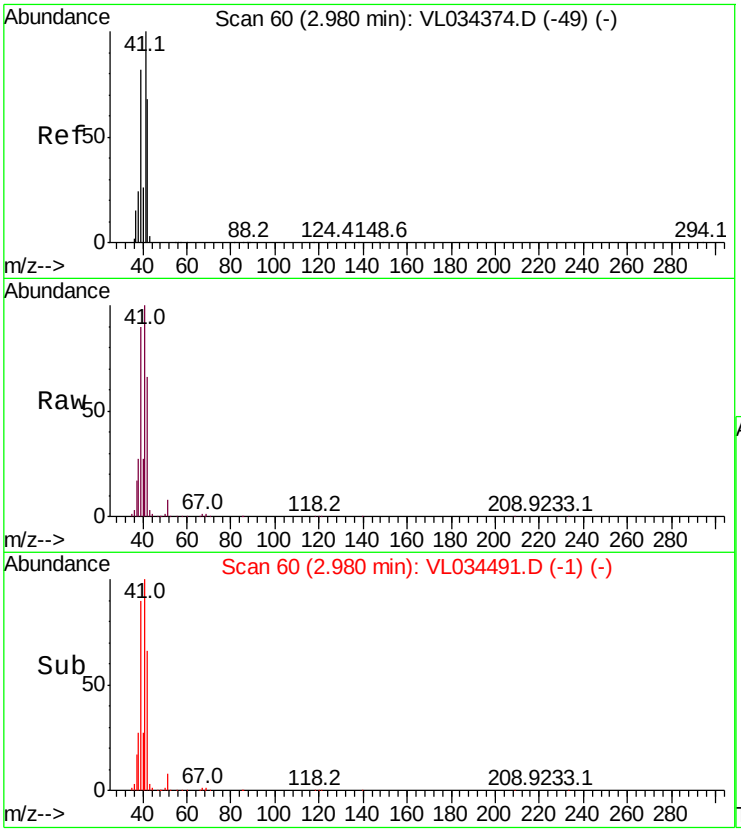


#8
Dichlorotetrafluoroethane
Concen: 8.753 ppbv
RT: 3.16 min Scan# 116
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 85 Resp: 1308884

Ion	Ratio	Lower	Upper
85	100		
135	63.3	51.1	76.7



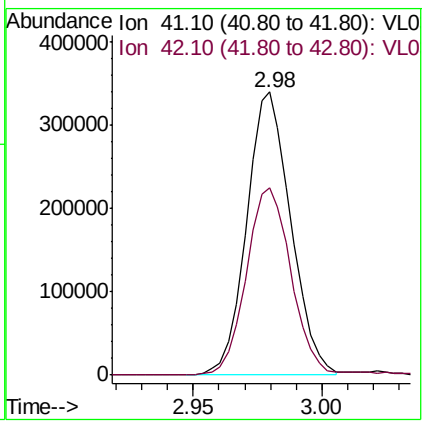


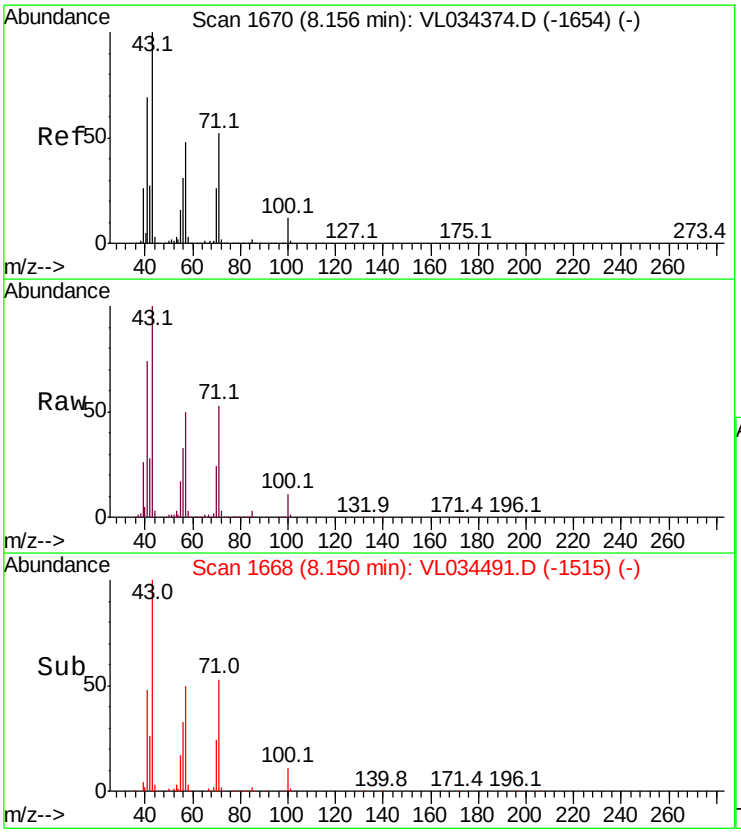
#9
Propene
Concen: 7.988 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 407276

Ion	Ratio	Lower	Upper
41	100		
42	68.5	54.6	82.0

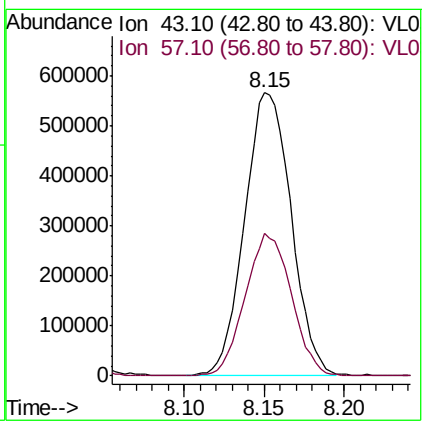


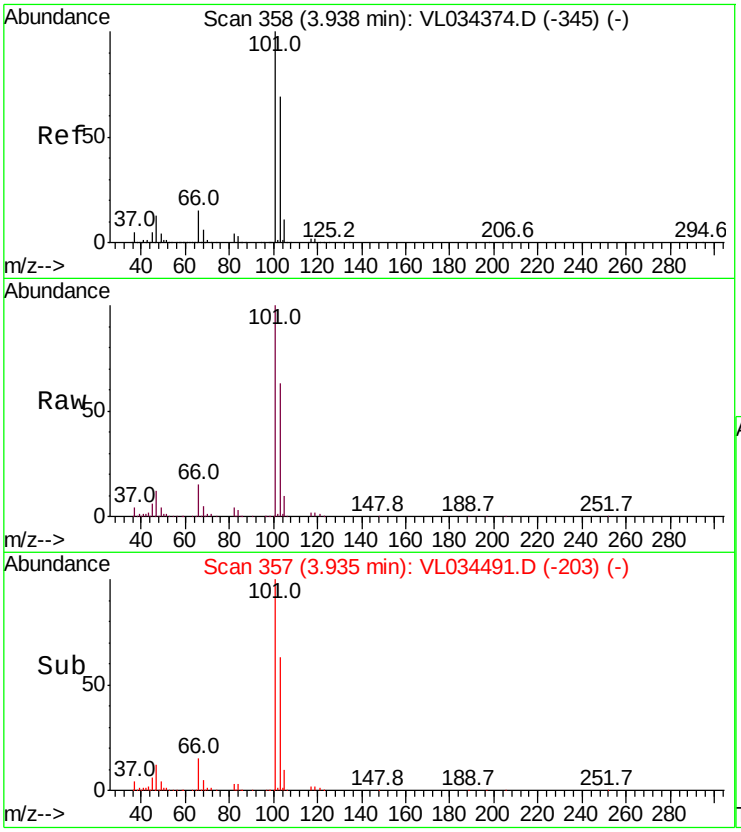


#10
Heptane
Concen: 8.570 ppbv
RT: 8.15 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 43 Resp: 1127659

Ion	Ratio	Lower	Upper
43	100		
57	49.7	40.2	60.2



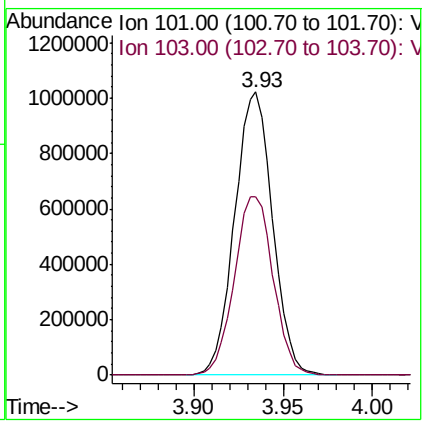


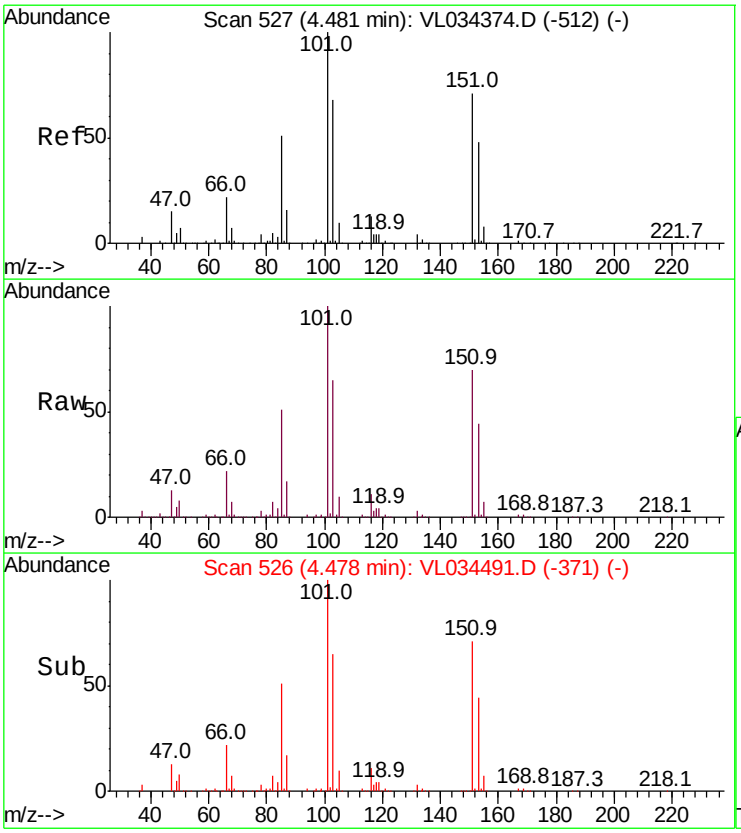
#11
Trichlorofluoromethane
Concen: 9.164 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:101 Resp: 1518726

Ion	Ratio	Lower	Upper
101	100		
103	62.8	55.4	83.0

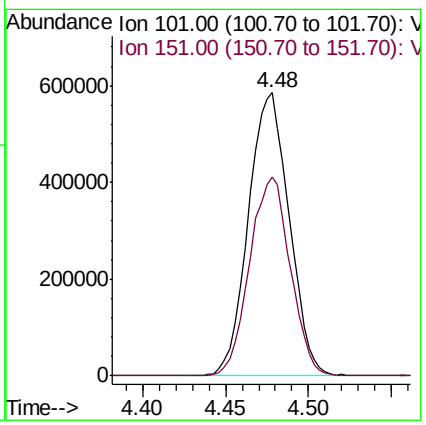


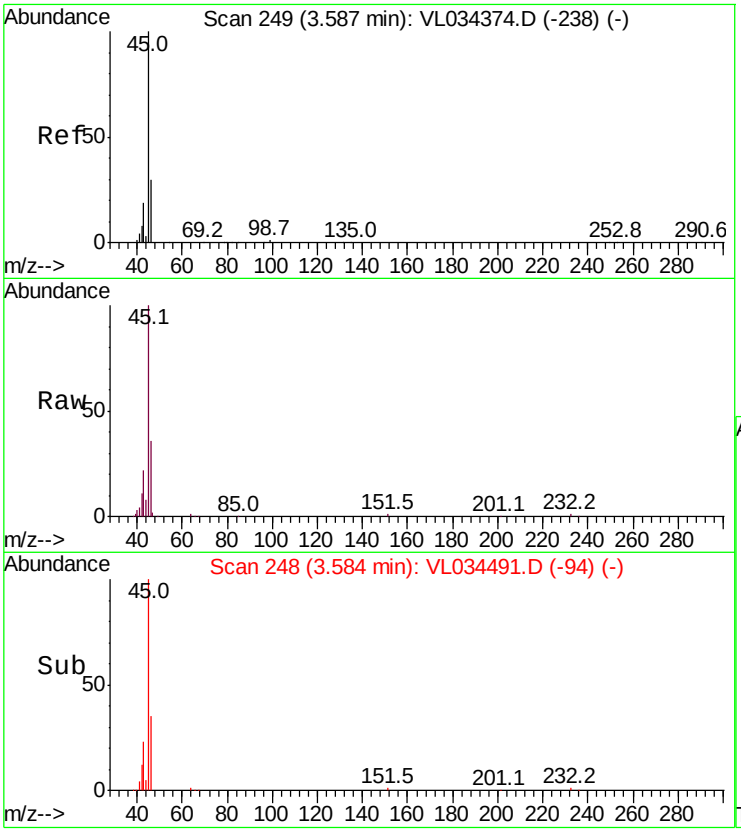


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.082 ppbv
RT: 4.48 min Scan# 526
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:101 Resp: 999569

Ion	Ratio	Lower	Upper
101	100		
151	70.4	57.4	86.2



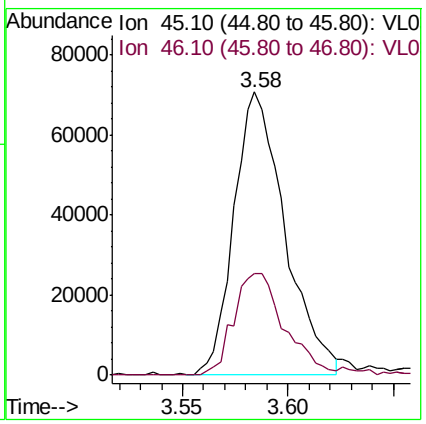


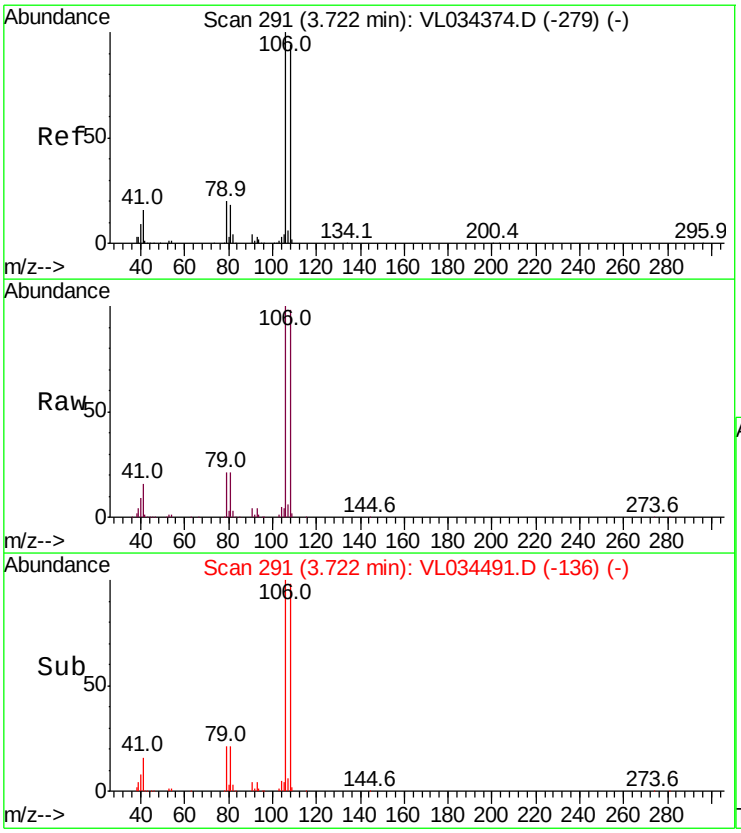
#13
Ethanol
Concen: 8.391 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 119169

Ion	Ratio	Lower	Upper
45	100		
46	37.7	13.8	55.4

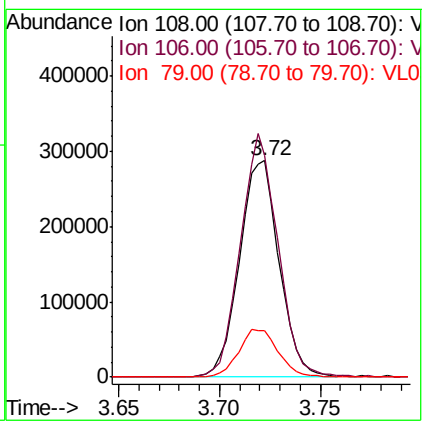


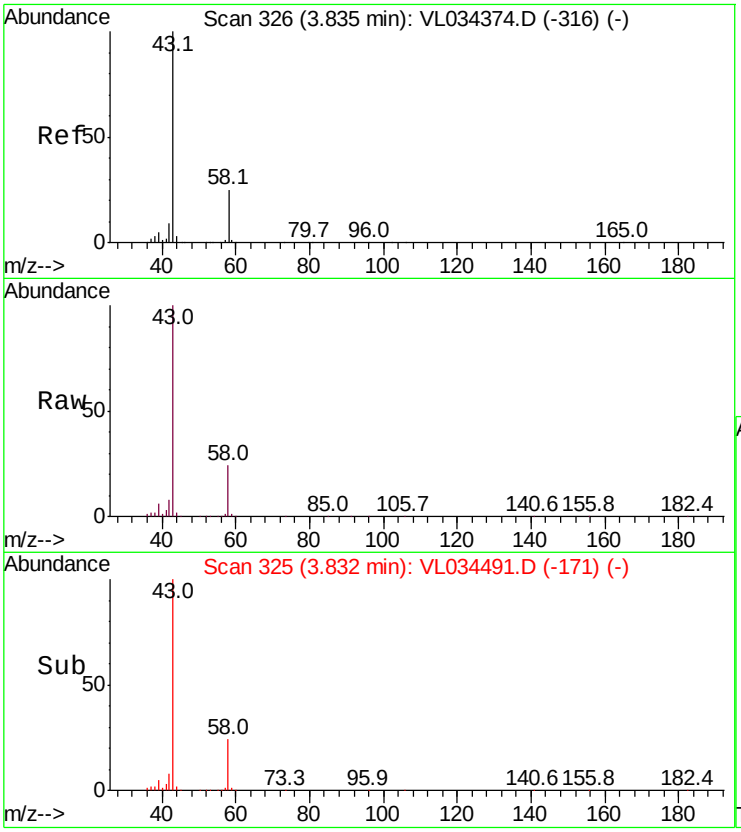


#14
Bromoethene
Concen: 8.878 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:108 Resp: 397268

Ion	Ratio	Lower	Upper
108	100		
106	106.7	85.7	128.5
79	22.3	17.2	25.8



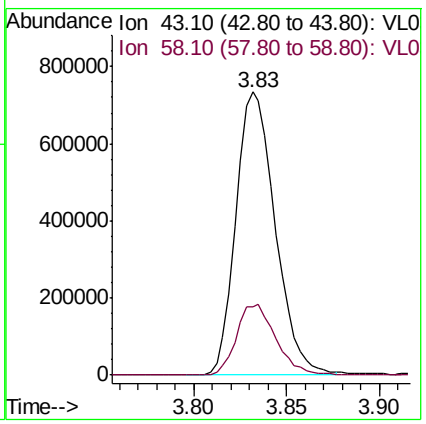


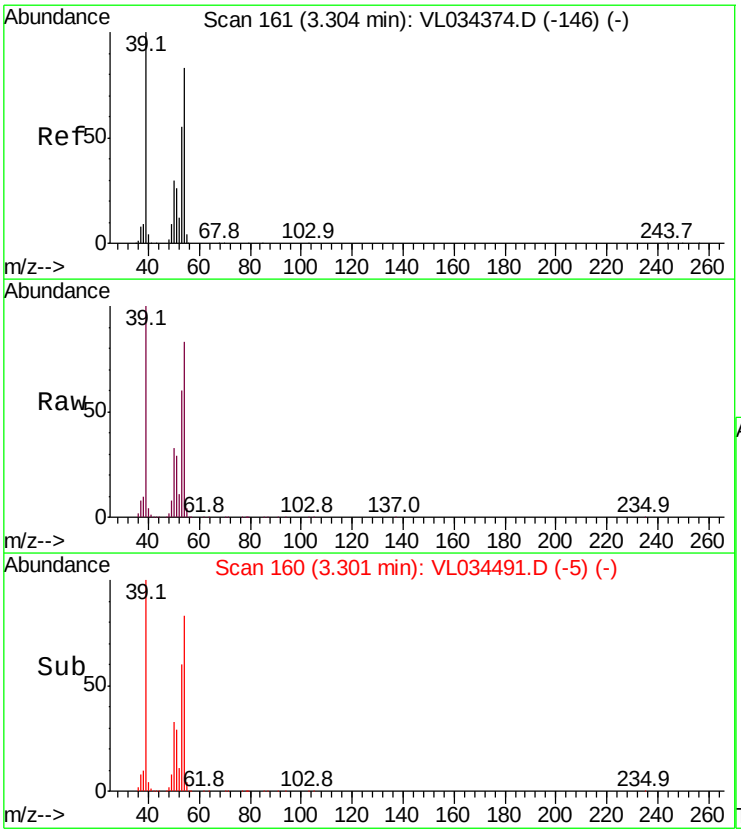
#15
Acetone
Concen: 8.194 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1079952

Ion	Ratio	Lower	Upper
43	100		
58	25.0	20.2	30.4

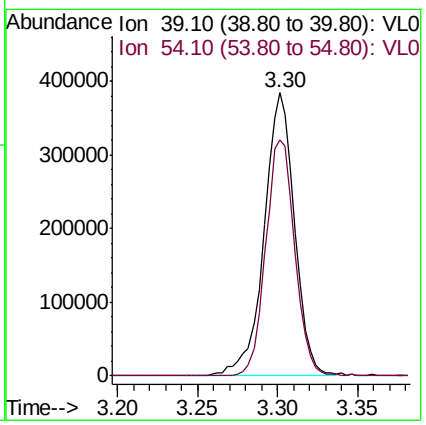


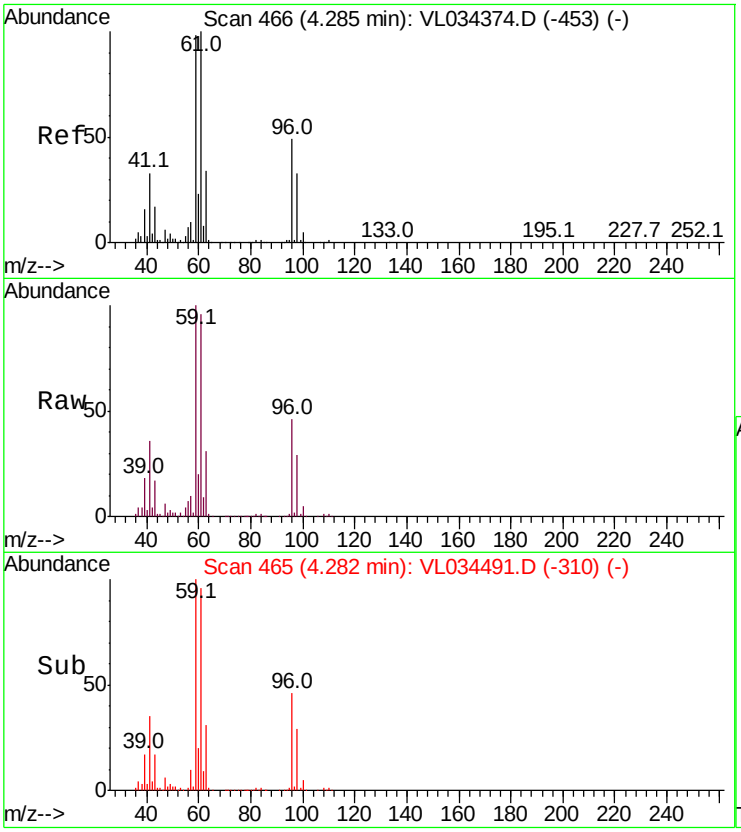


#16
1,3-Butadiene
Concen: 8.800 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 39 Resp: 505225

Ion	Ratio	Lower	Upper
39	100		
54	80.3	64.7	97.1



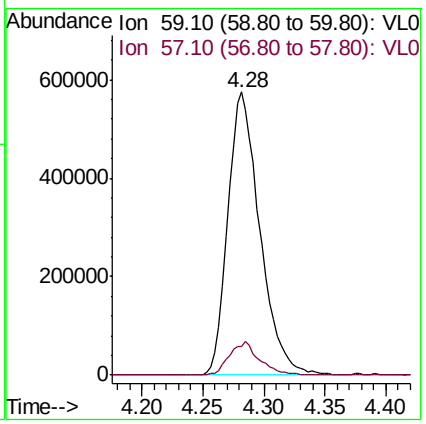


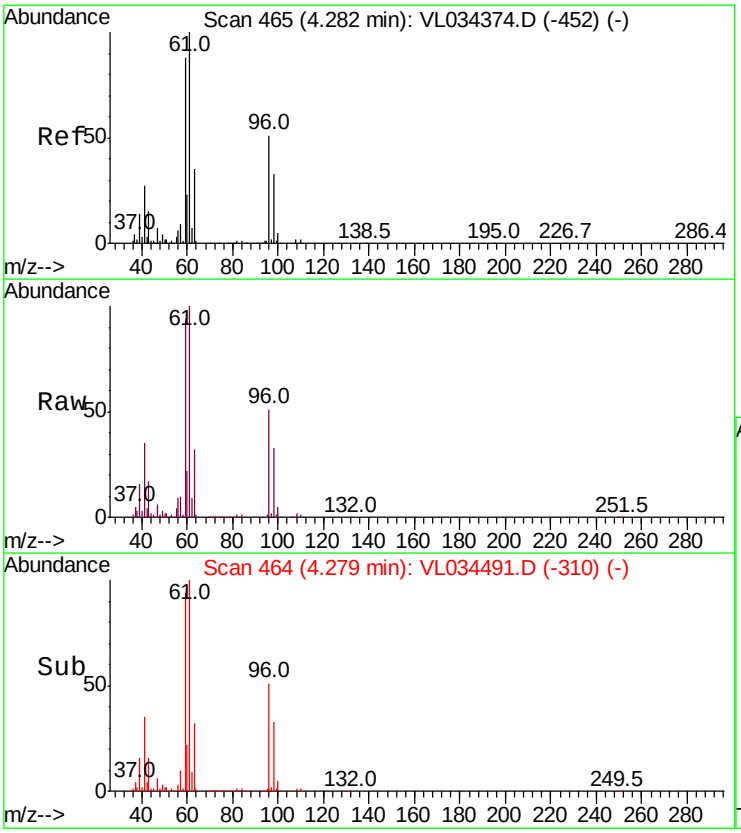
#17
tert-Butyl alcohol
Concen: 9.486 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 1050922

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.8	13.2

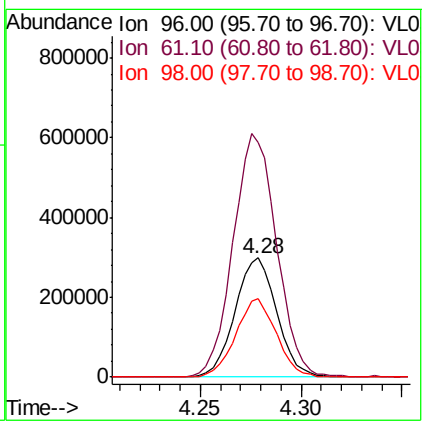


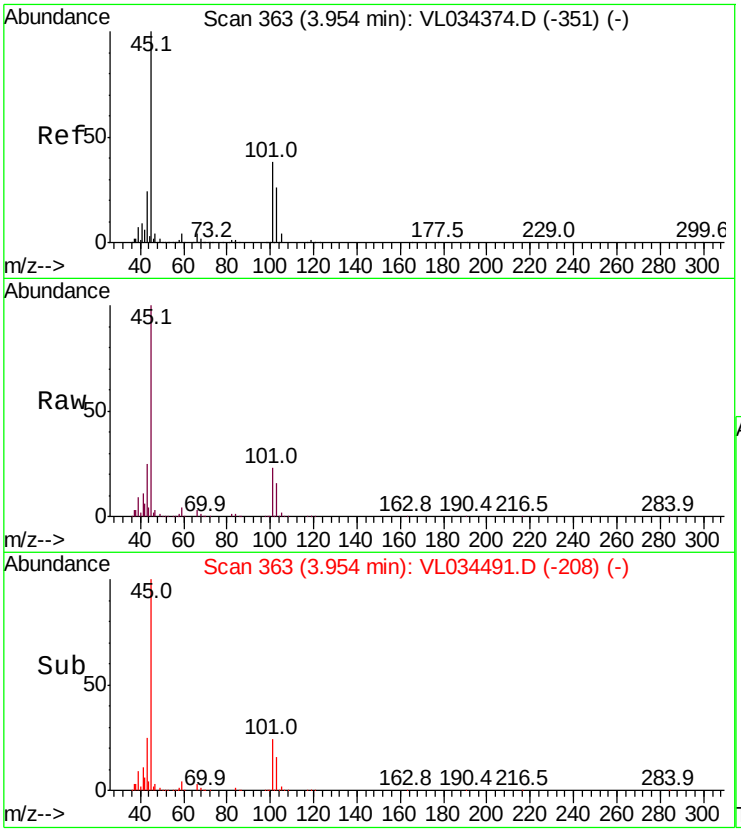


#18
1,1-Dichloroethene
Concen: 8.993 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 96 Resp: 432908

Ion	Ratio	Lower	Upper
96	100		
61	196.5	155.6	233.4
98	65.5	51.6	77.4



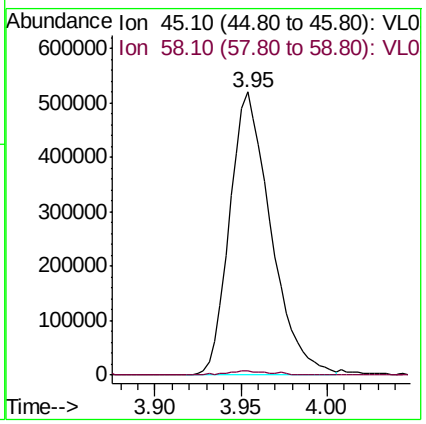


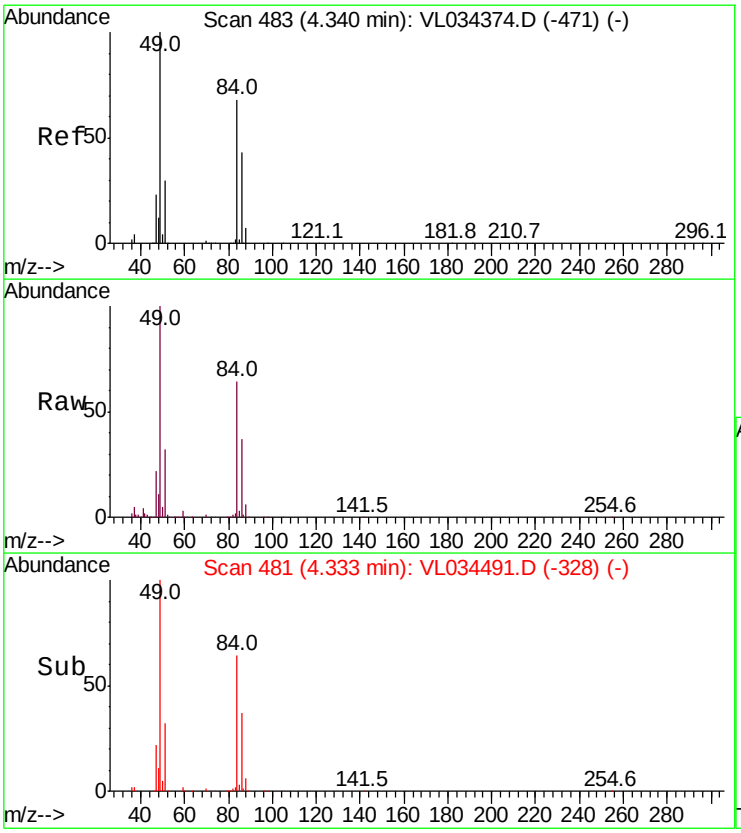
#19
Isopropyl Alcohol
Concen: 10.310 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 871041

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.3	1.9#

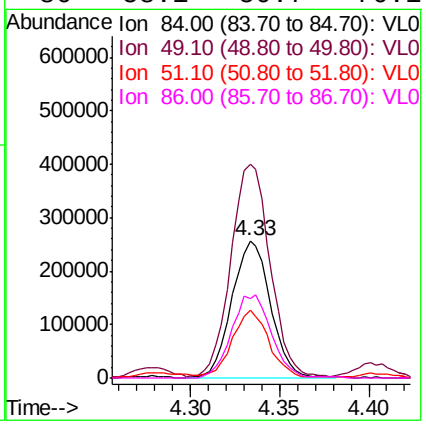


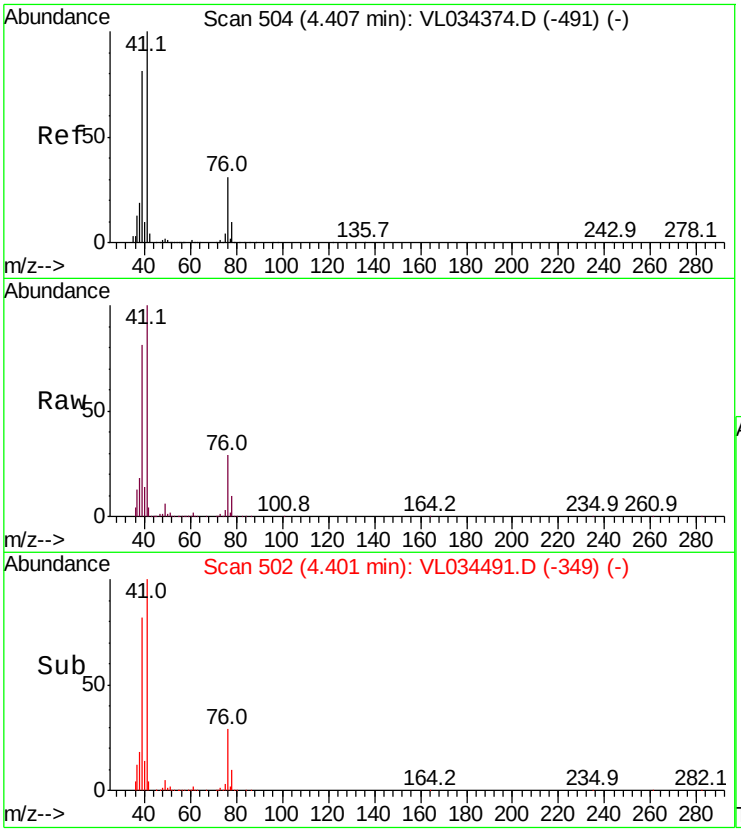


#20
Methylene Chloride
Concen: 8.227 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 84 Resp: 384493

Ion	Ratio	Lower	Upper
84	100		
49	154.9	116.8	175.2
51	49.1	35.6	53.4
86	58.1	50.7	76.1



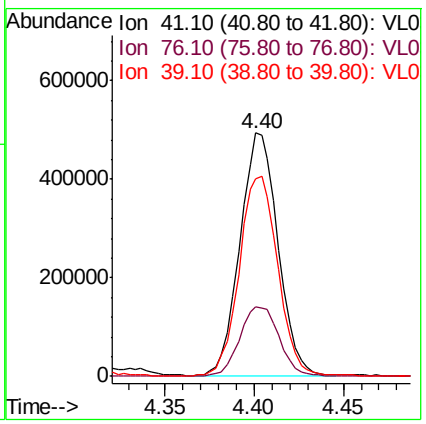


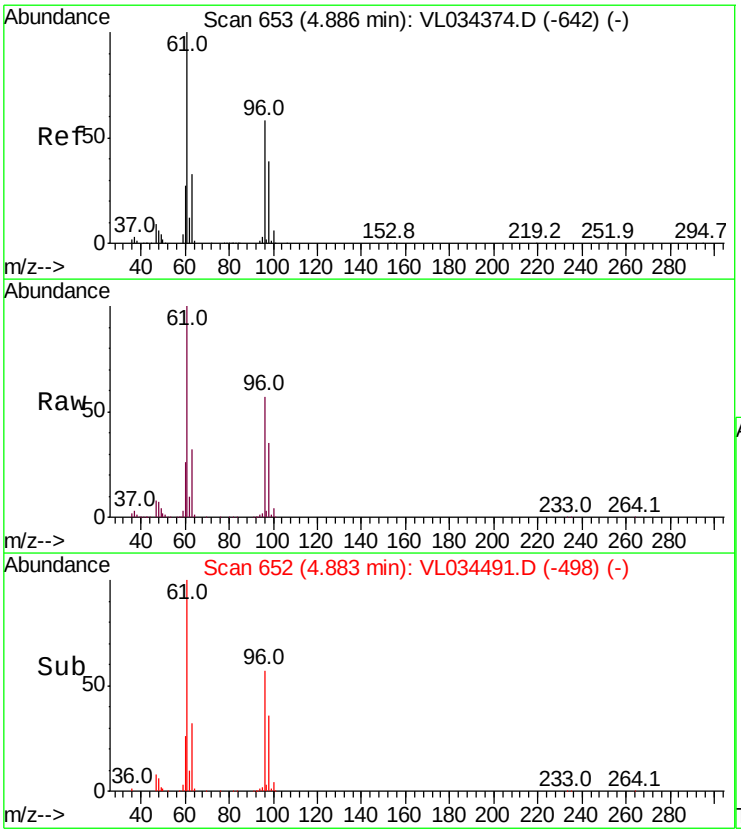
#21
Allyl Chloride
Concen: 9.249 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 730469

Ion	Ratio	Lower	Upper
41	100		
76	29.8	24.2	36.2
39	83.9	66.9	100.3

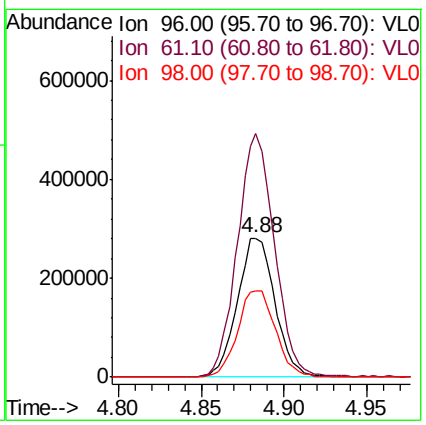


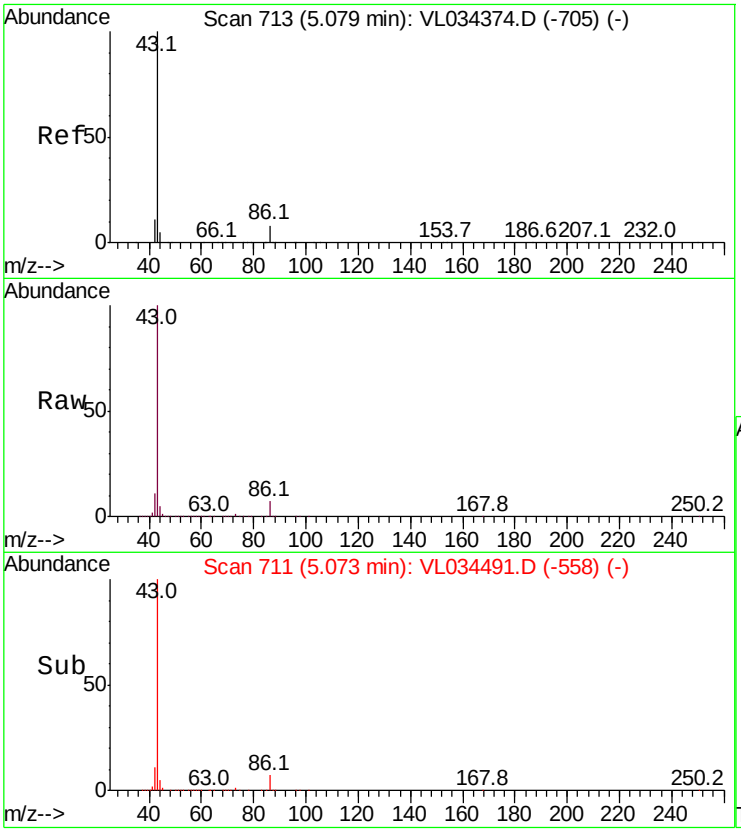


#22
trans-1,2-Dichloroethene
Concen: 9.161 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 96 Resp: 444552

Ion	Ratio	Lower	Upper
96	100		
61	175.2	137.9	206.9
98	62.1	53.5	80.3



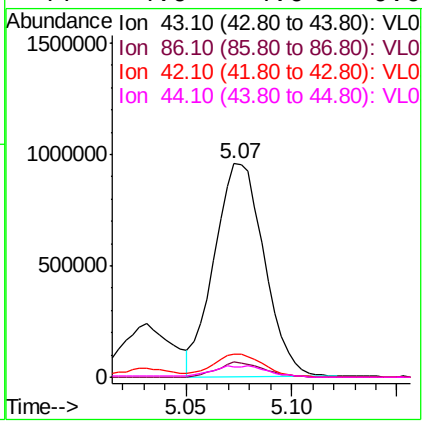


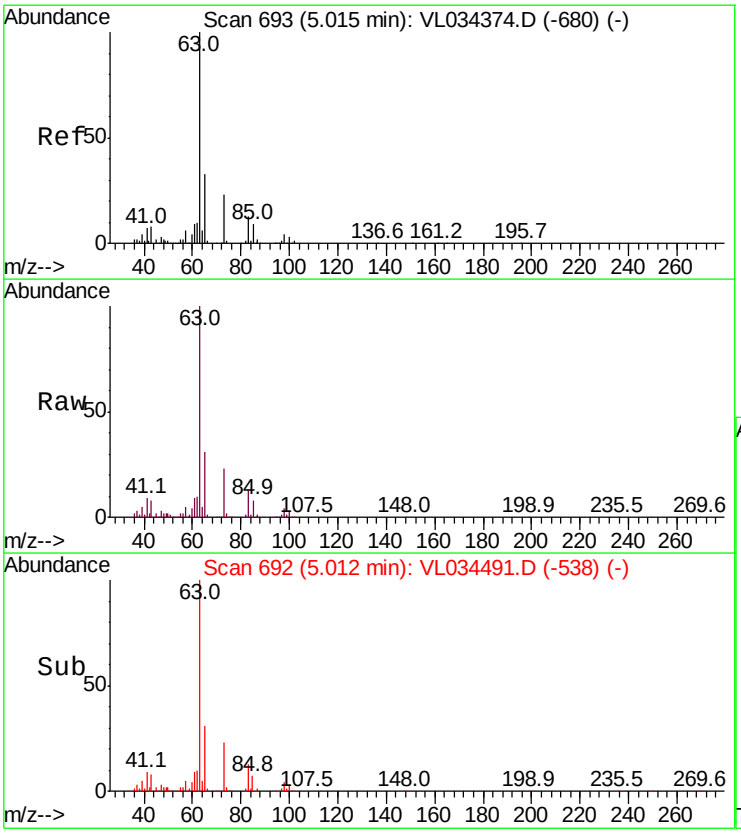
#23
Vinyl Acetate
Concen: 9.086 ppbv
RT: 5.07 min Scan# 711
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1564458

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.6
42	11.0	8.9	13.3
44	4.9	4.0	6.0

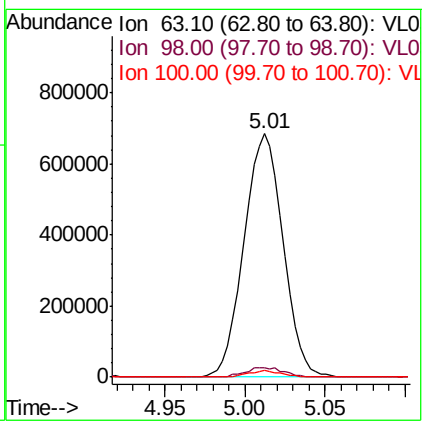


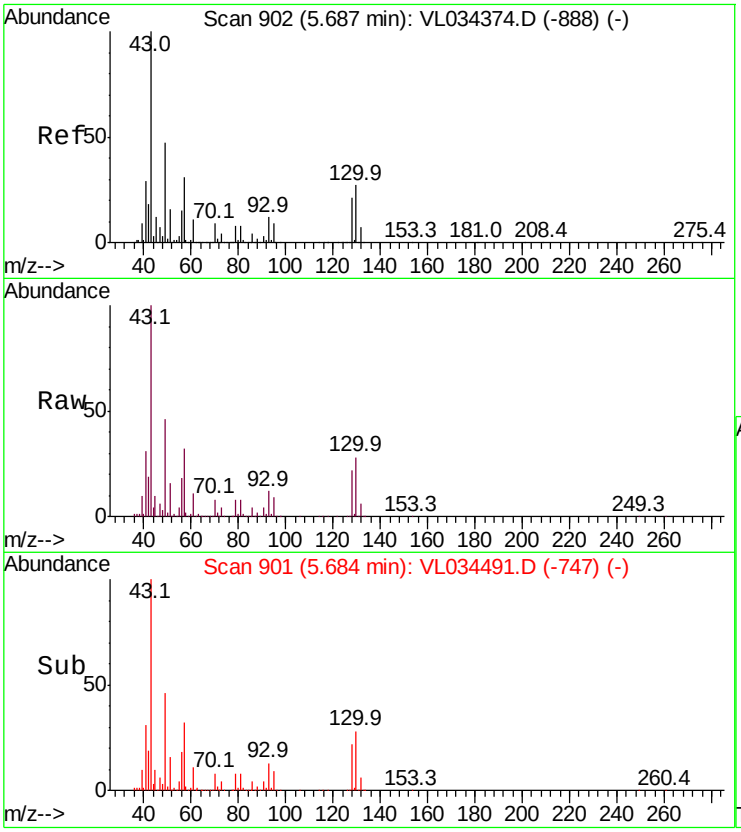


#24
1,1-Dichloroethane
Concen: 8.663 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 63 Resp: 1145757

Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.9	5.7
100	2.6	1.4	4.0



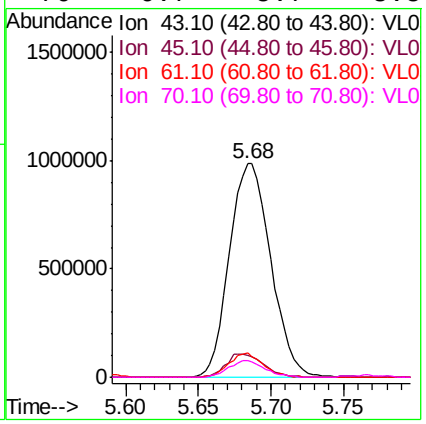


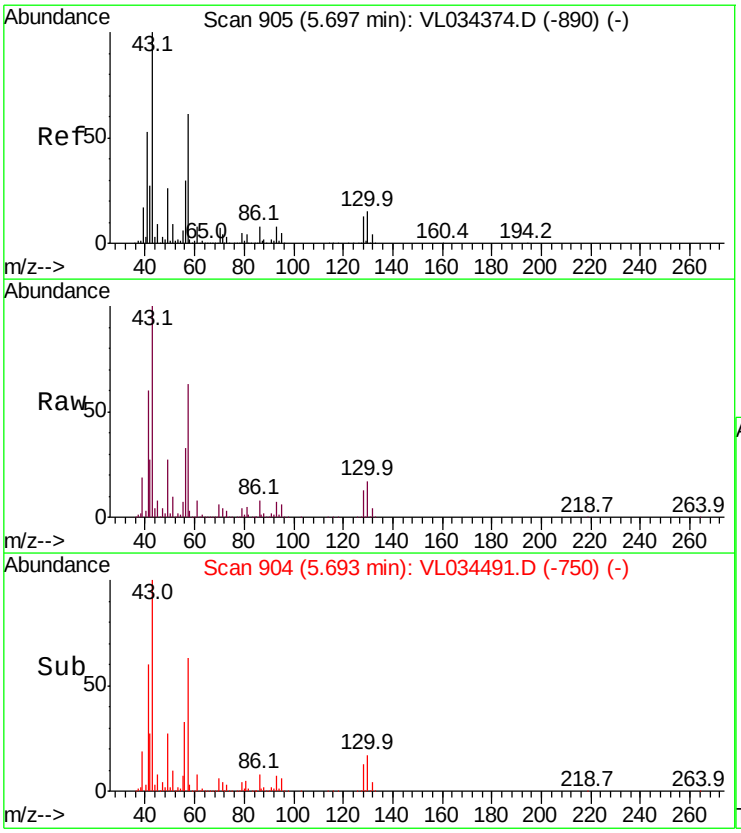
#25
Ethyl Acetate
Concen: 8.288 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1949366

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.4	7.5	11.3
70	6.7	5.7	8.5

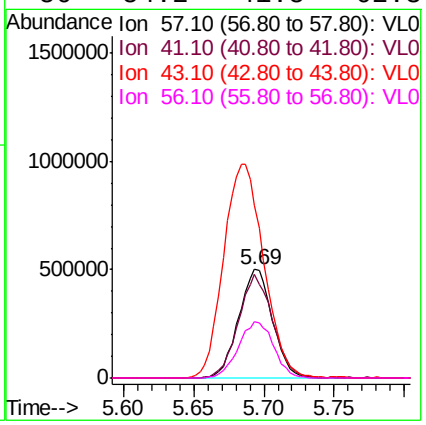


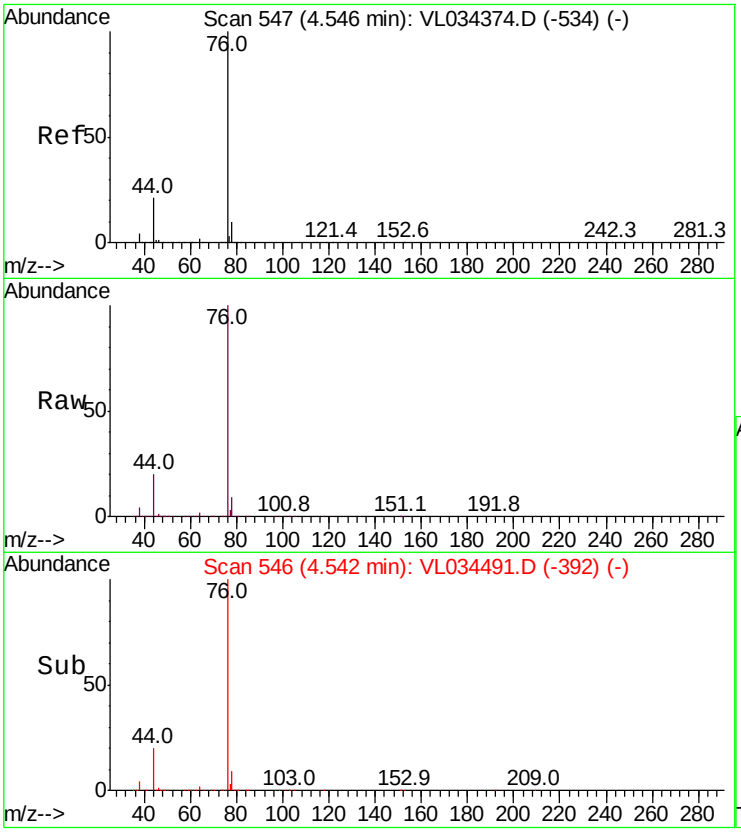


#26
Hexane
Concen: 8.310 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 57 Resp: 839870

Ion	Ratio	Lower	Upper
57	100		
41	98.2	75.0	112.4
43	234.0	186.6	279.8
56	54.2	41.5	62.3



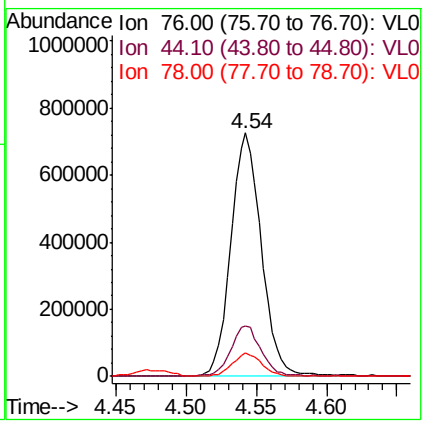


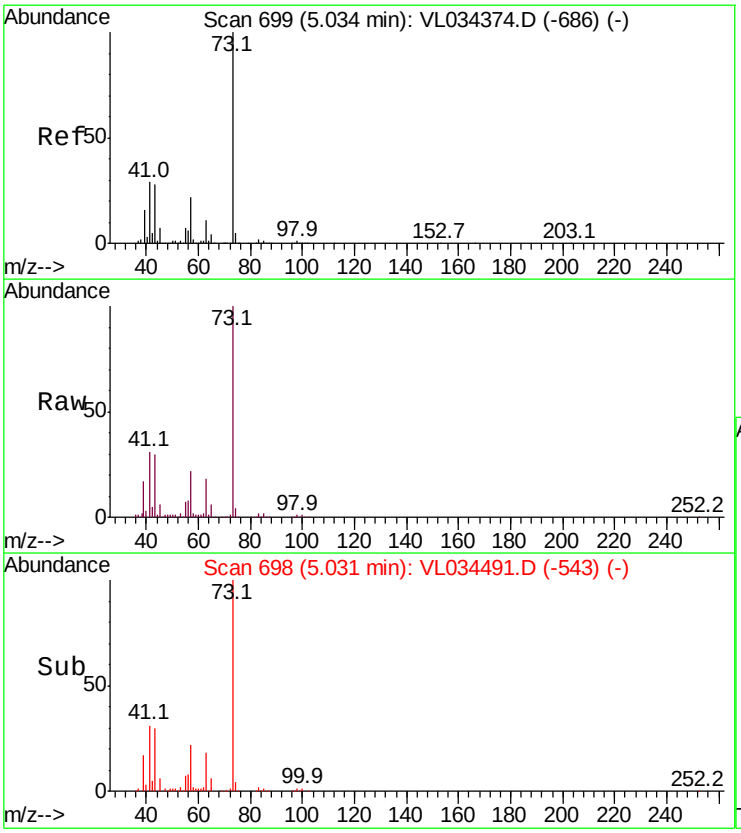
#27
Carbon Disulfide
Concen: 9.992 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 76 Resp: 1099838

Ion	Ratio	Lower	Upper
76	100		
44	20.4	17.0	25.4
78	9.2	7.6	11.4

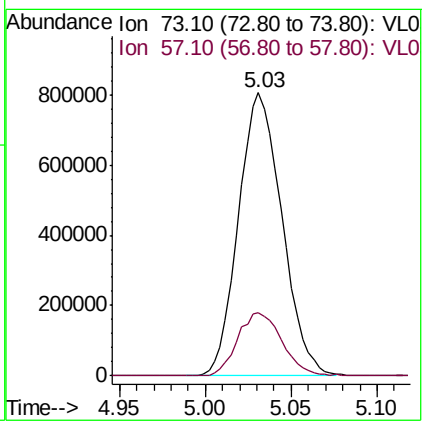


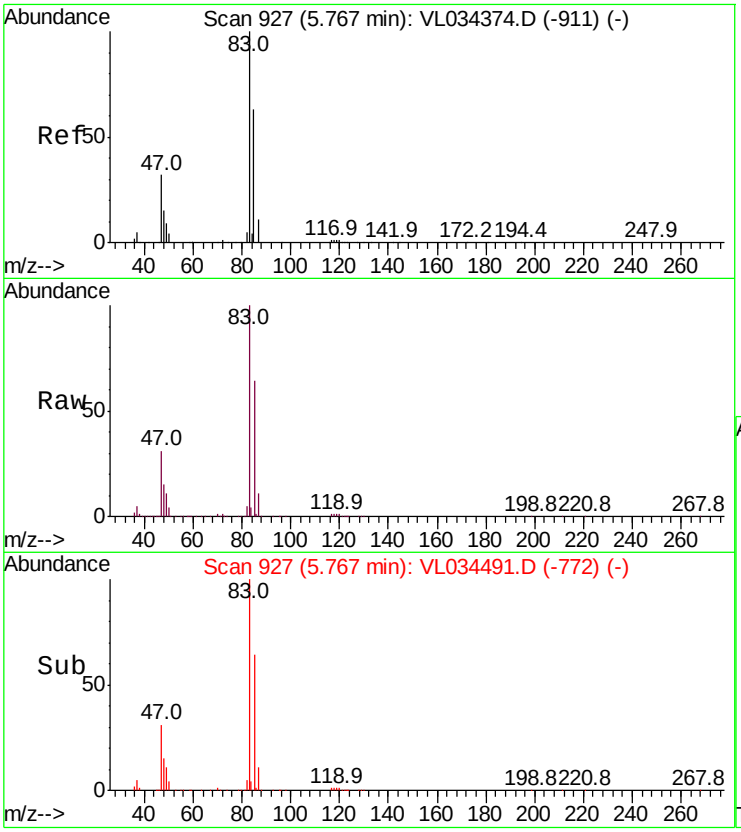


#28
Methyl tert-Butyl Ether
Concen: 8.421 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 73 Resp: 1411132

Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.4	27.6



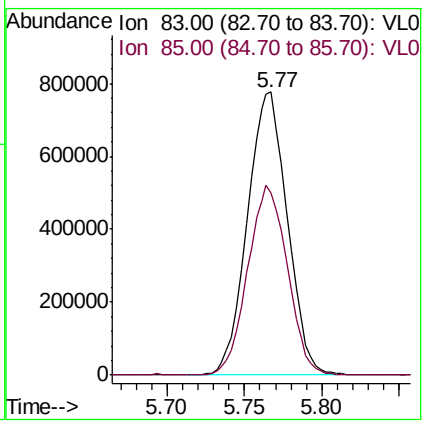


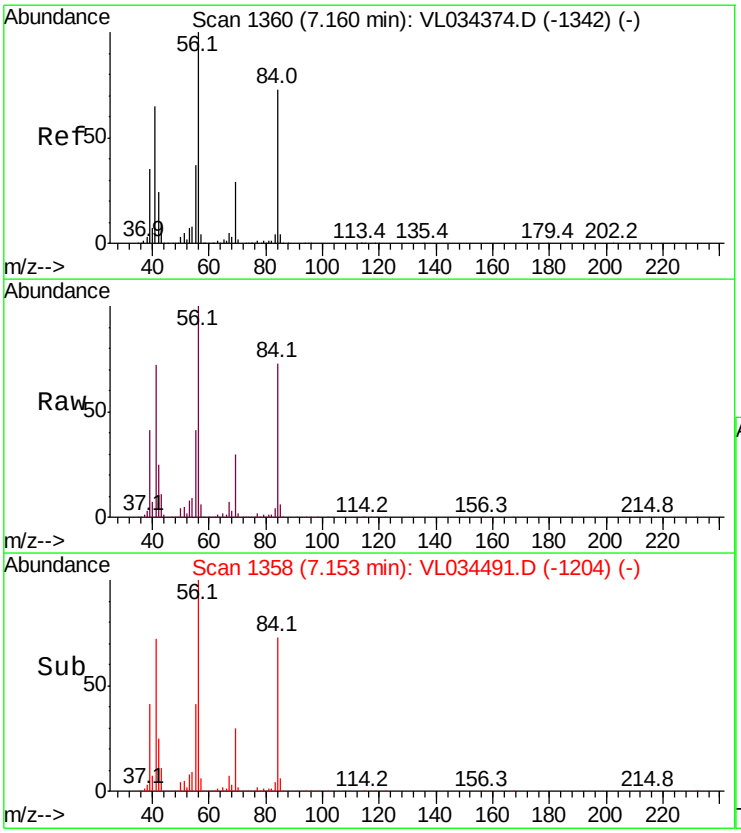
#29
Chloroform
Concen: 8.515 ppbv
RT: 5.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 83 Resp: 1393588

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.4	75.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

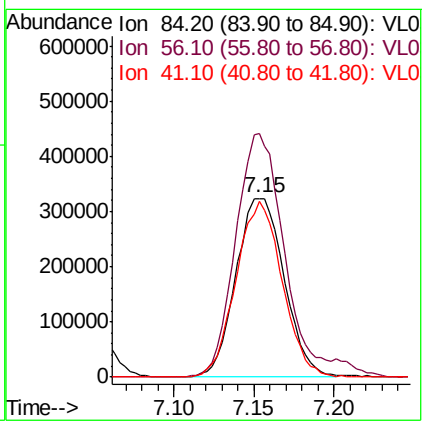


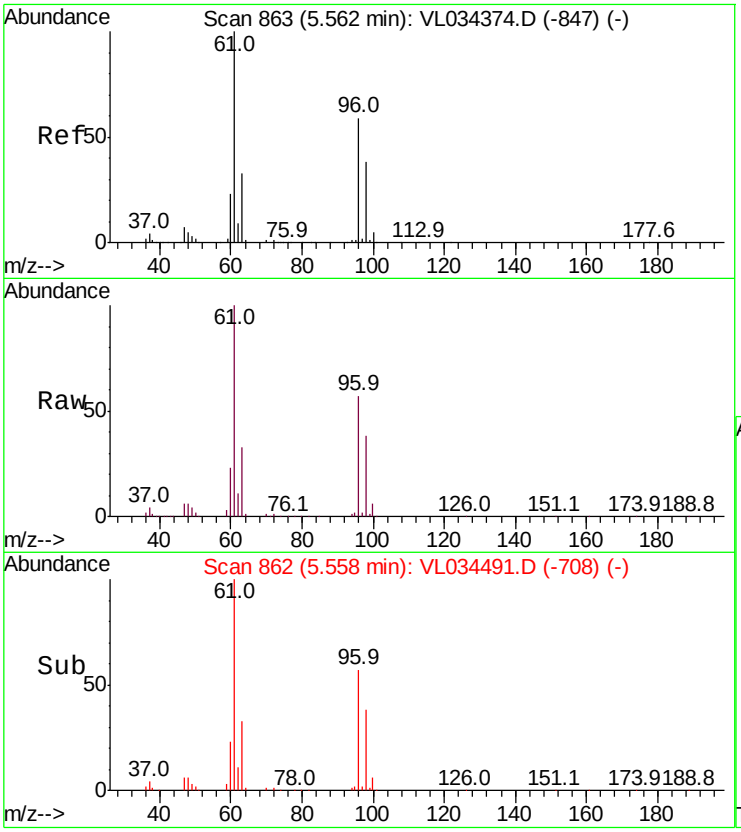


#30
Cyclohexane
Concen: 8.746 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 84 Resp: 668209

Ion	Ratio	Lower	Upper
84	100		
56	140.8	112.6	169.0
41	93.9	73.4	110.2



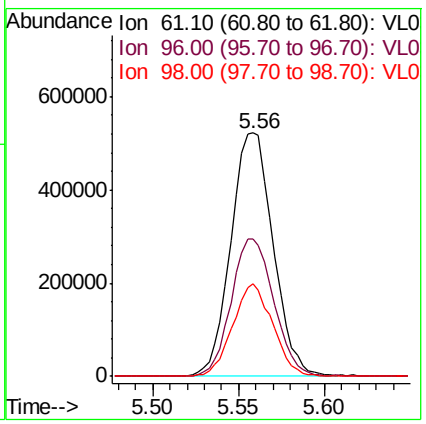


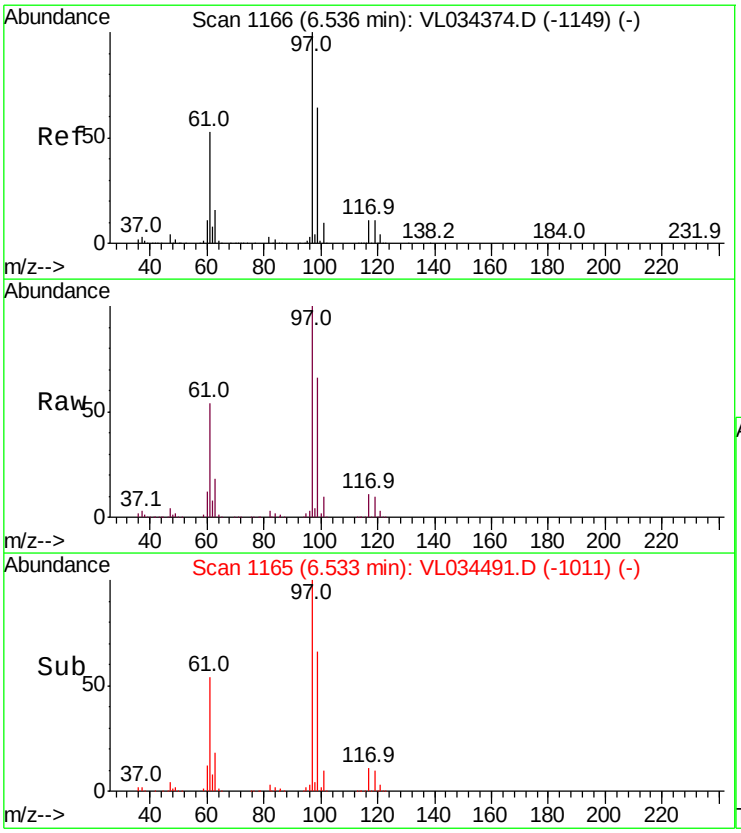
#31
cis-1,2-Dichloroethene
Concen: 8.543 ppbv
RT: 5.56 min Scan# 862
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 892235

Ion	Ratio	Lower	Upper
61	100		
96	56.4	47.4	71.2
98	37.7	30.6	45.8

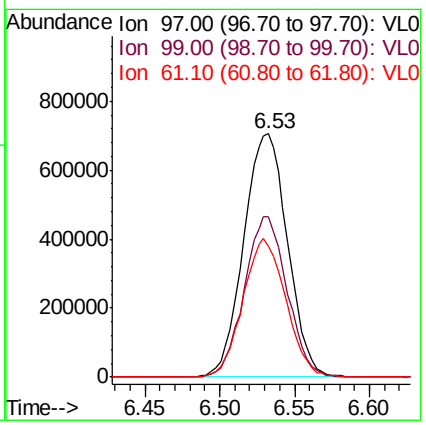


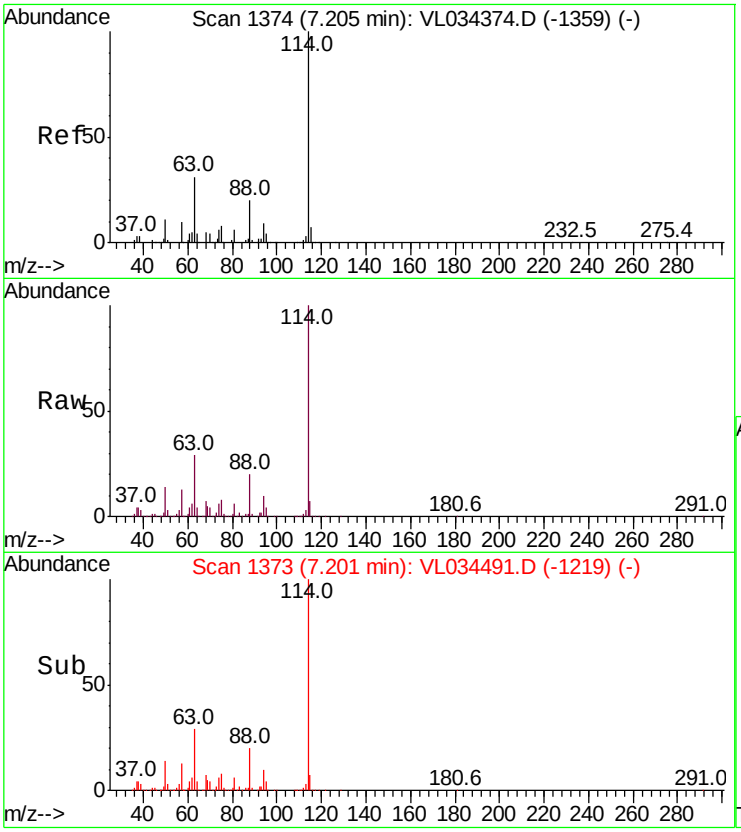


#32
1,1,1-Trichloroethane
Concen: 9.361 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 97 Resp: 1436365

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.3	78.5
61	55.8	43.7	65.5



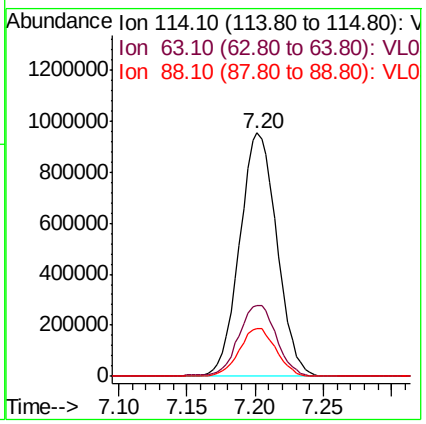


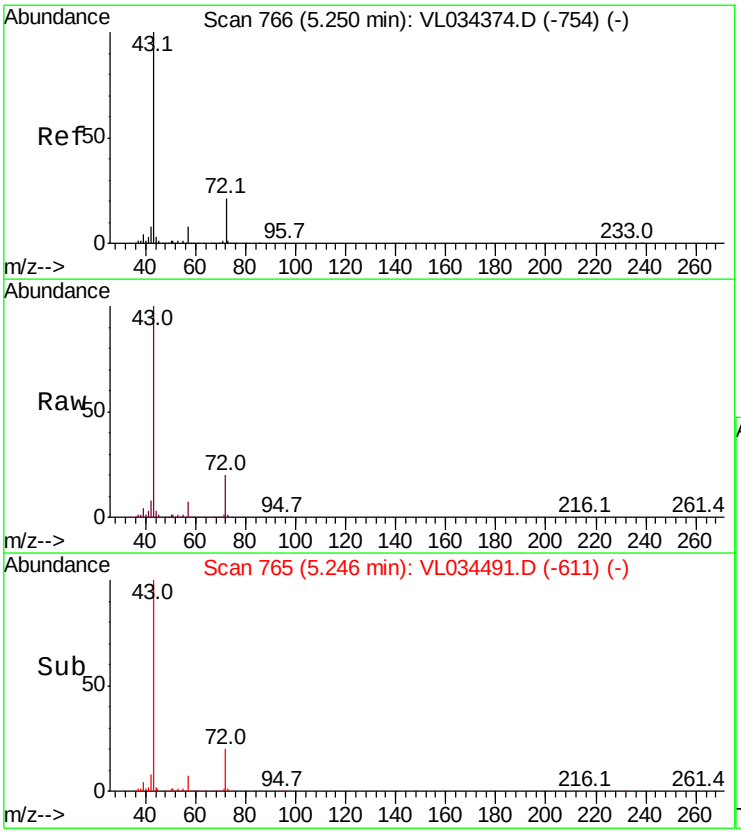
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1373
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 1804941

Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.2	36.4
88	19.6	15.9	23.9

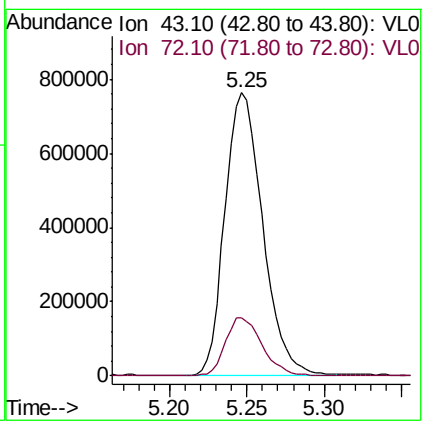


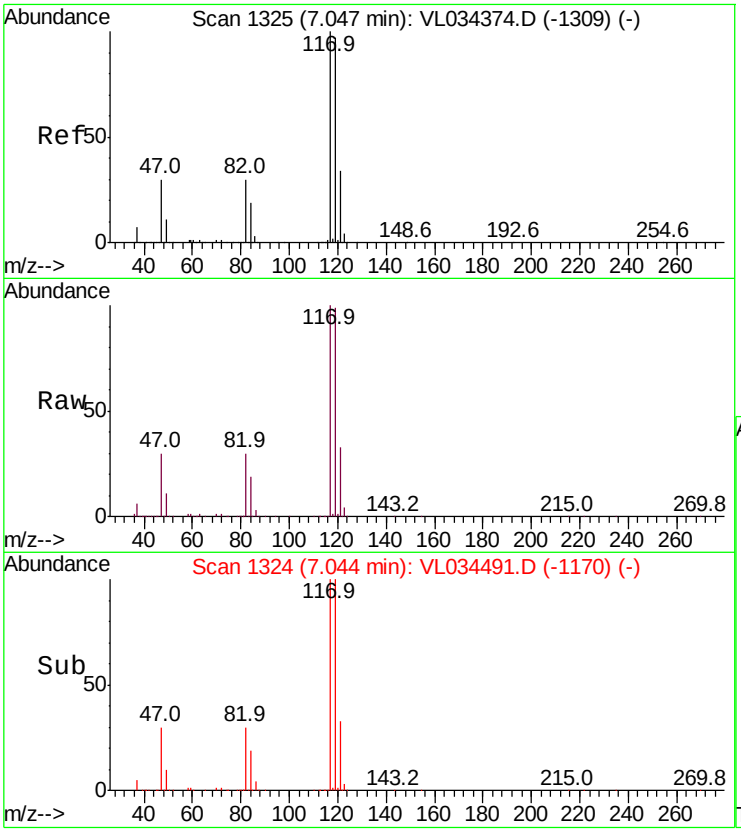


#34
2-Butanone
Concen: 8.717 ppbv
RT: 5.25 min Scan# 765
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 43 Resp: 1295102

Ion	Ratio	Lower	Upper
43	100		
72	20.0	17.0	25.6



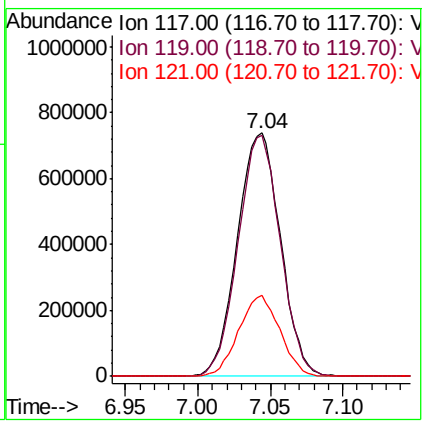


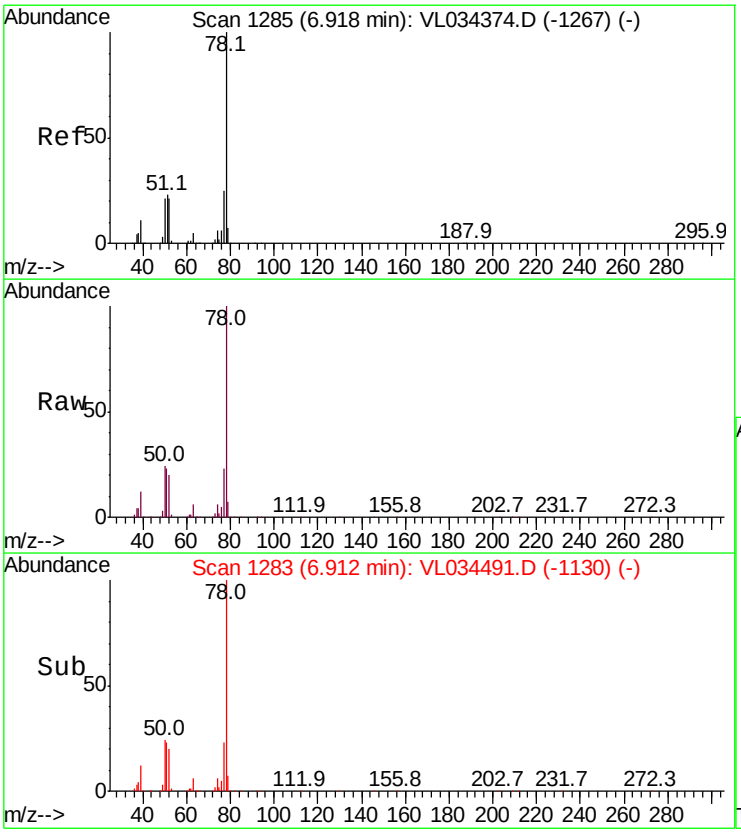
#35
Carbon Tetrachloride
Concen: 9.828 ppbv
RT: 7.04 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1525161

Ion	Ratio	Lower	Upper
117	100		
119	99.1	77.3	115.9
121	33.3	27.4	41.2

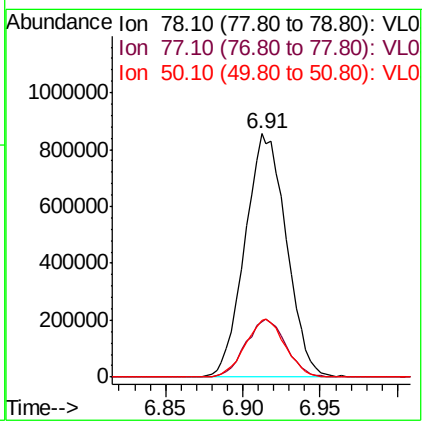


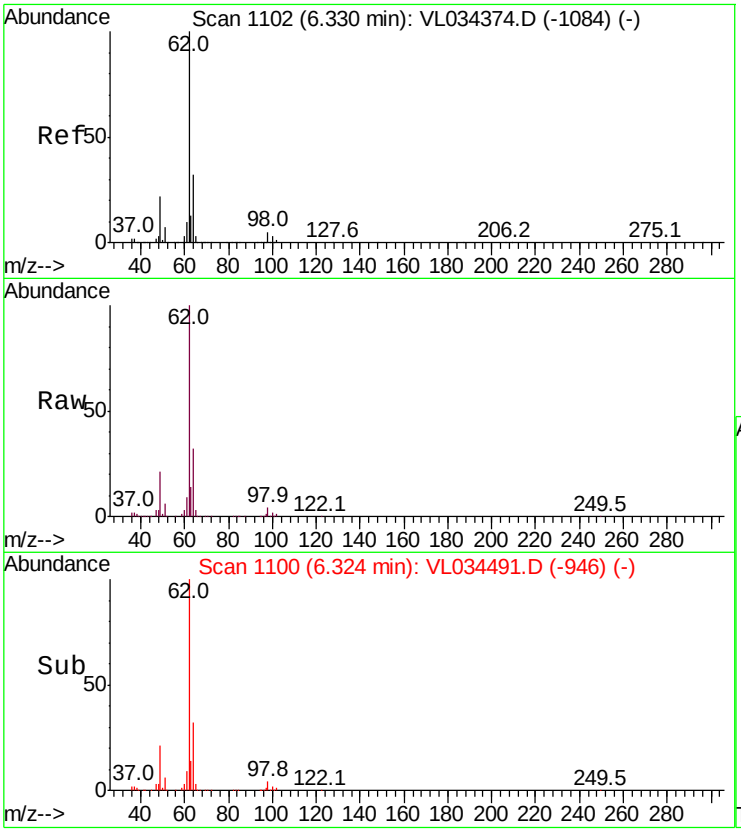


#36
Benzene
Concen: 8.842 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 78 Resp: 1595428

Ion	Ratio	Lower	Upper
78	100		
77	22.9	20.2	30.4
50	23.5	17.1	25.7



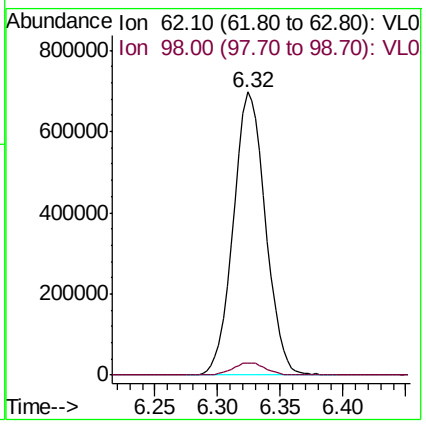


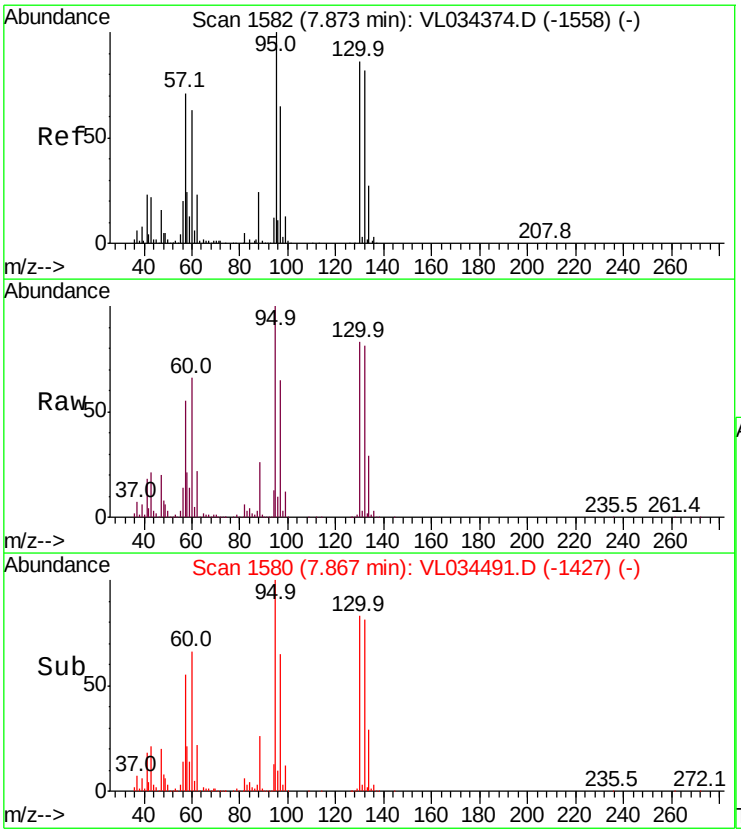
#37
1,2-Dichloroethane
Concen: 9.280 ppbv
RT: 6.32 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 1243866

Ion	Ratio	Lower	Upper
62	100		
98	4.4	3.8	5.8

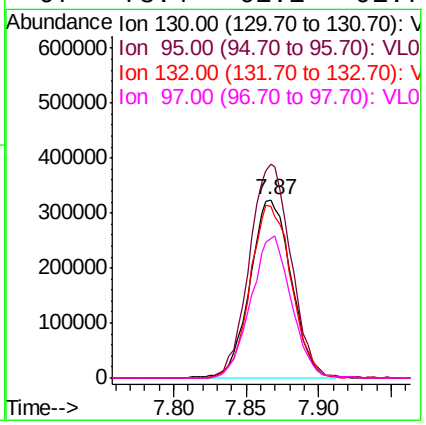


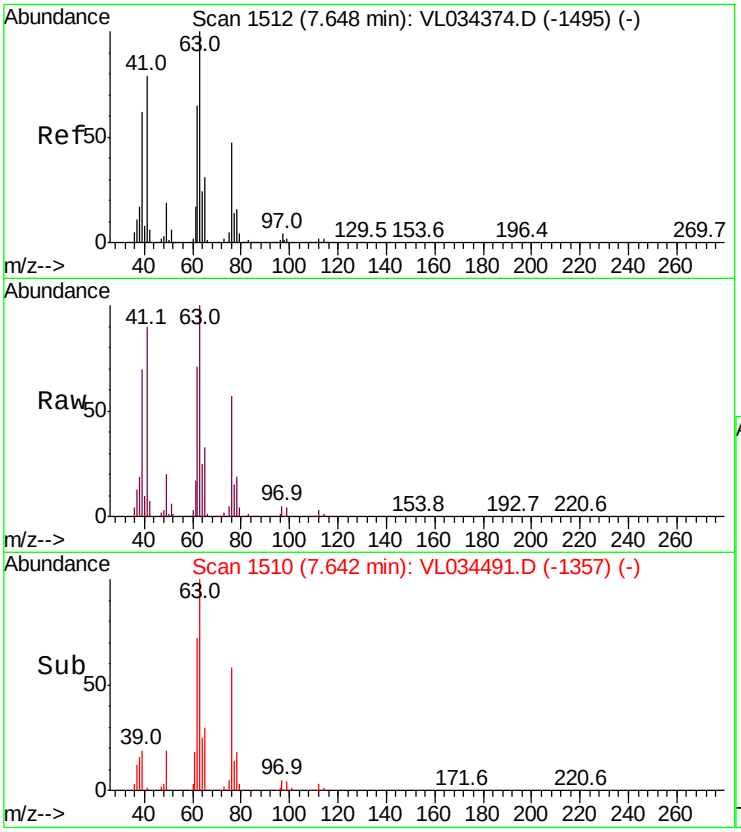


#38
Trichloroethene
Concen: 8.564 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:130 Resp: 634086

Ion	Ratio	Lower	Upper
130	100		
95	120.2	93.4	140.0
132	96.9	76.4	114.6
97	78.4	61.1	91.7



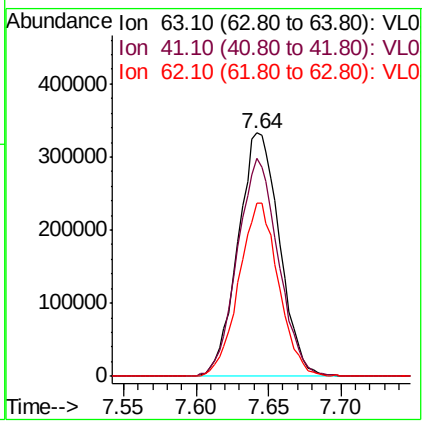


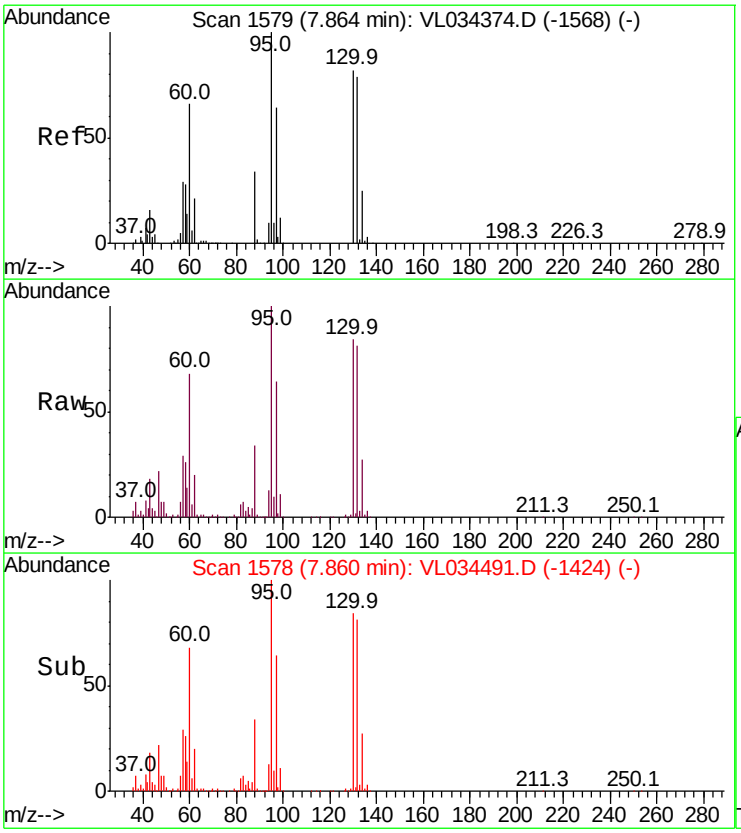
#39
1,2-Dichloropropane
Concen: 9.513 ppbv
RT: 7.64 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 661236

Ion	Ratio	Lower	Upper
63	100		
41	89.5	63.1	94.7
62	71.2	52.3	78.5

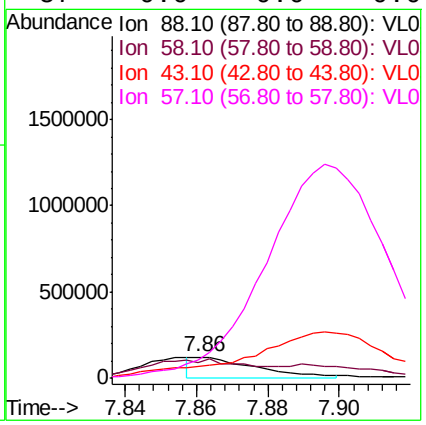


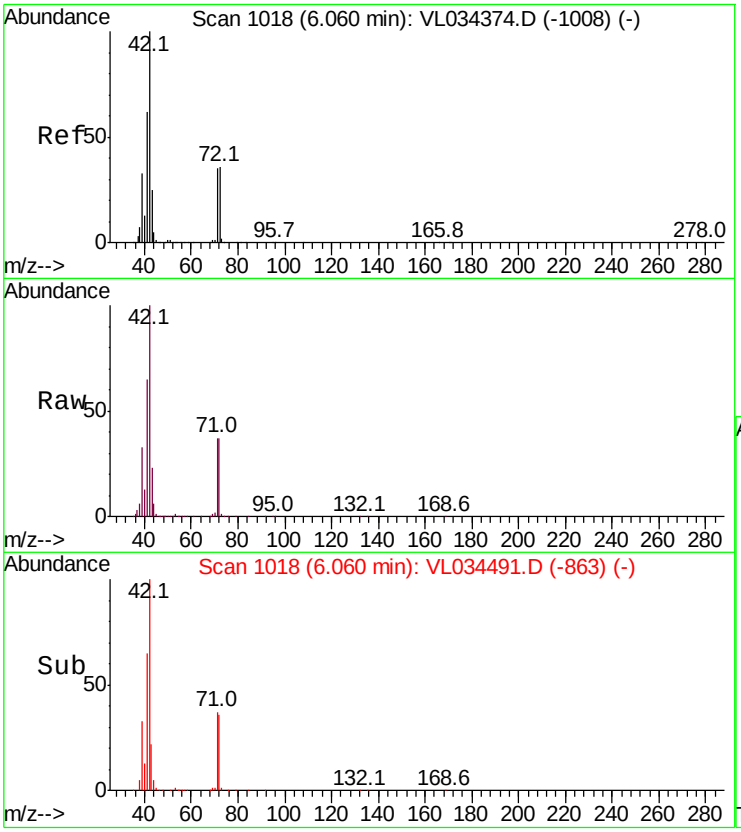


#40
1,4-Dioxane
Concen: 4.745 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 88 Resp: 144093

Ion	Ratio	Lower	Upper
88	100		
58	251.7	109.5	164.3#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



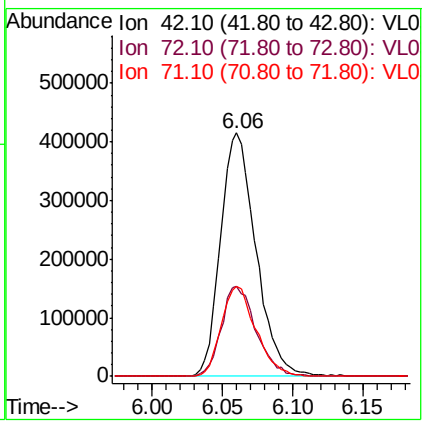


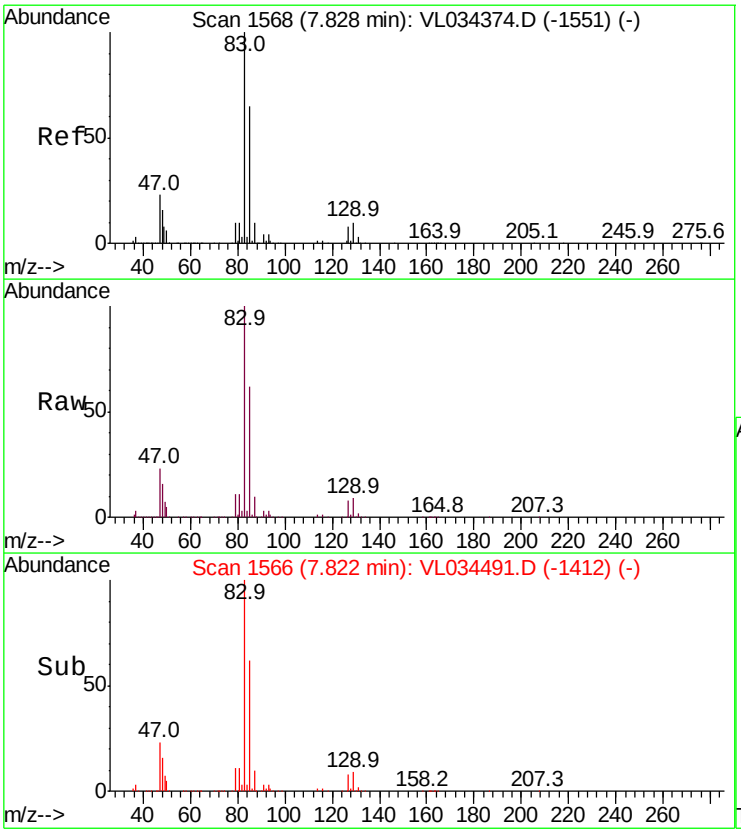
#41
Tetrahydrofuran
Concen: 8.713 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 726026

Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.2	45.4
71	36.3	29.4	44.2

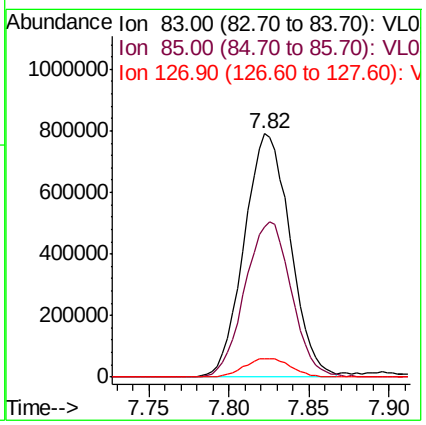


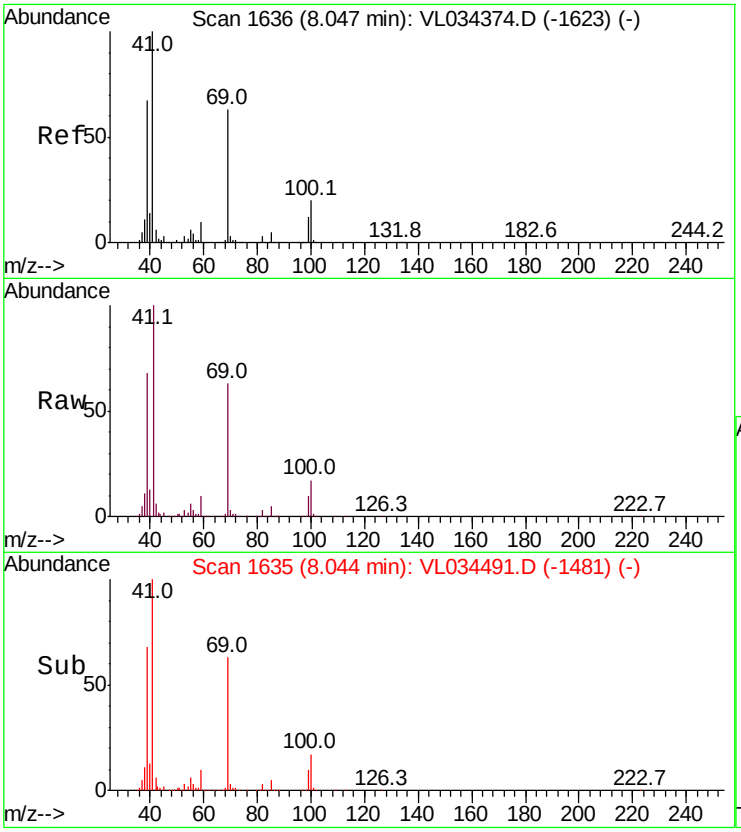


#42
Bromodichloromethane
Concen: 9.298 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 83 Resp: 1558652

Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.3	78.5
127	7.5	6.1	9.1



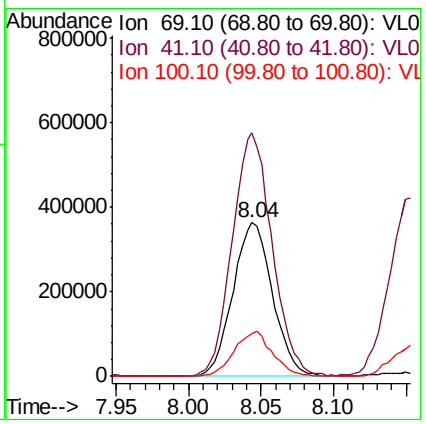


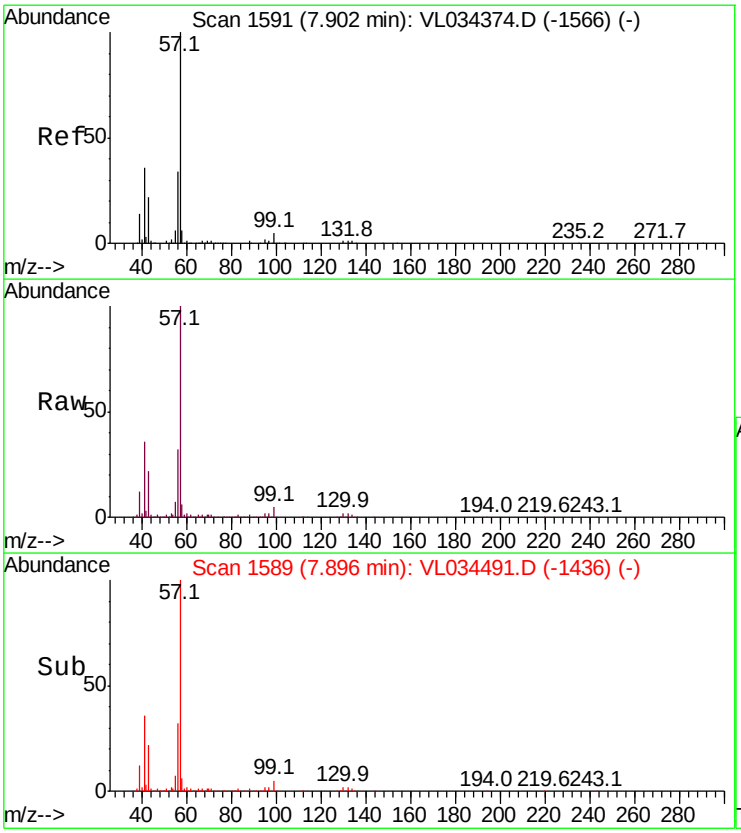
#43
Methyl Methacrylate
Concen: 9.190 ppbv
RT: 8.04 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 687735

Ion	Ratio	Lower	Upper
69	100		
41	160.4	127.4	191.2
100	28.3	24.2	36.4

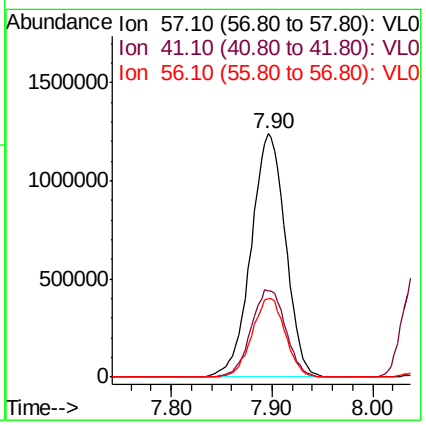


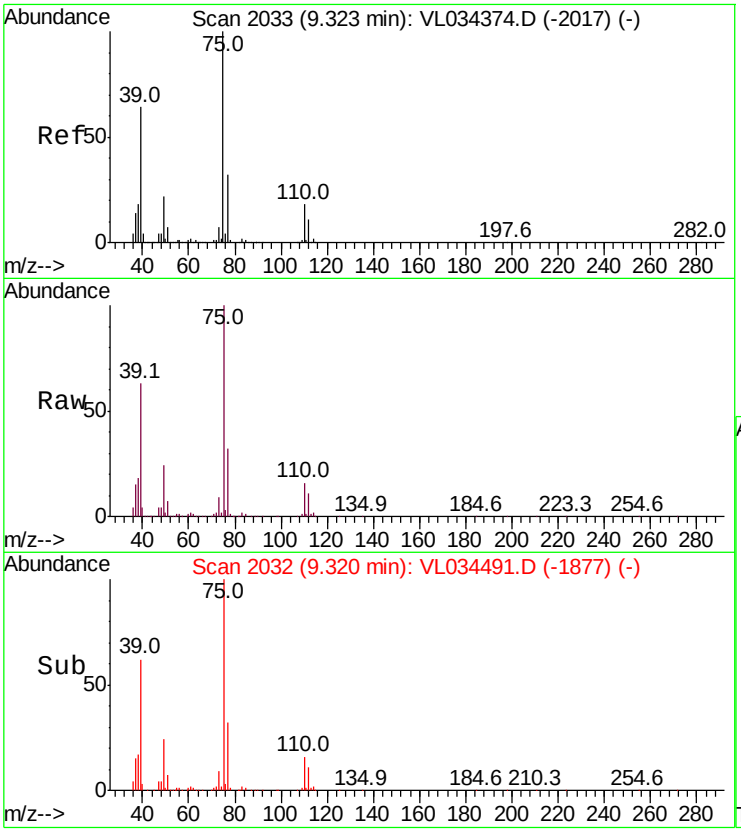


#44
2,2,4-Trimethylpentane
Concen: 8.909 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 57 Resp: 2937672

Ion	Ratio	Lower	Upper
57	100		
41	36.0	28.6	42.8
56	31.0	25.3	37.9



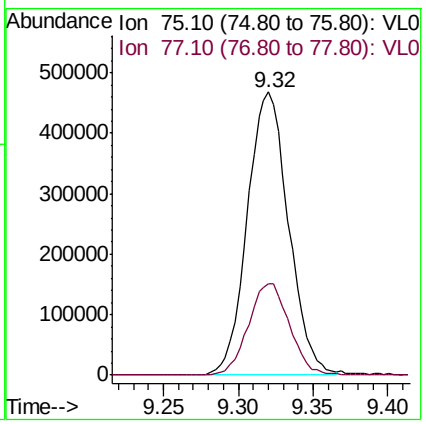


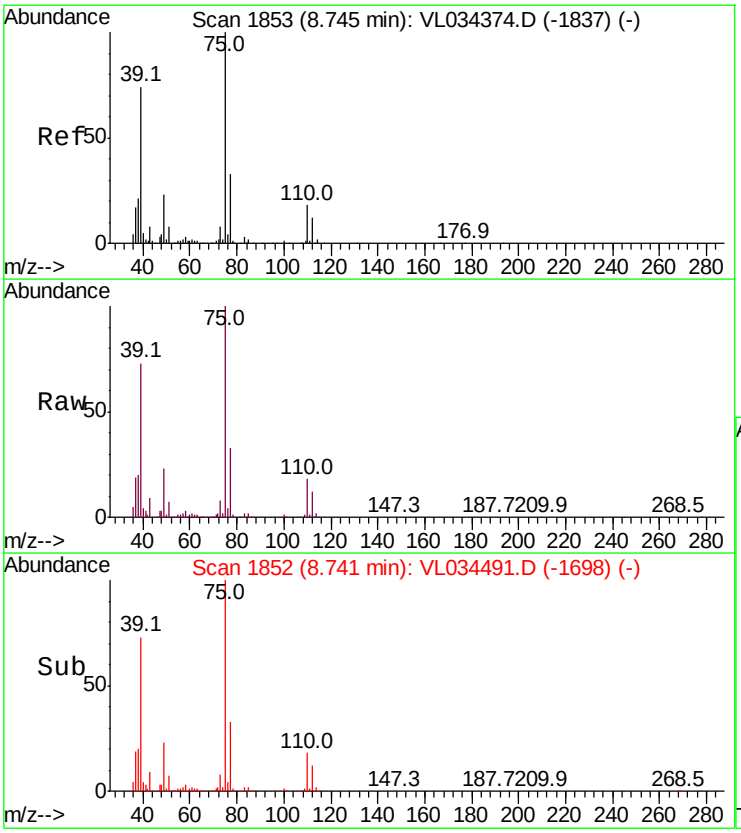
#45
t-1,3-Dichloropropene
Concen: 9.333 ppbv
RT: 9.32 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 75 Resp: 895690

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2

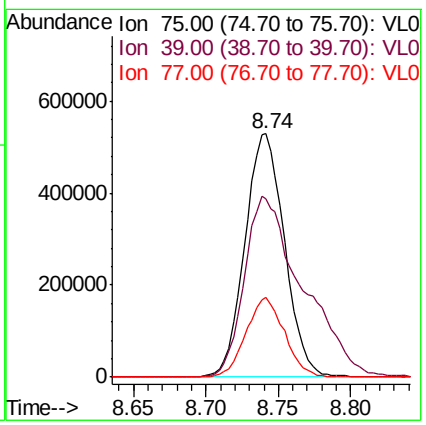


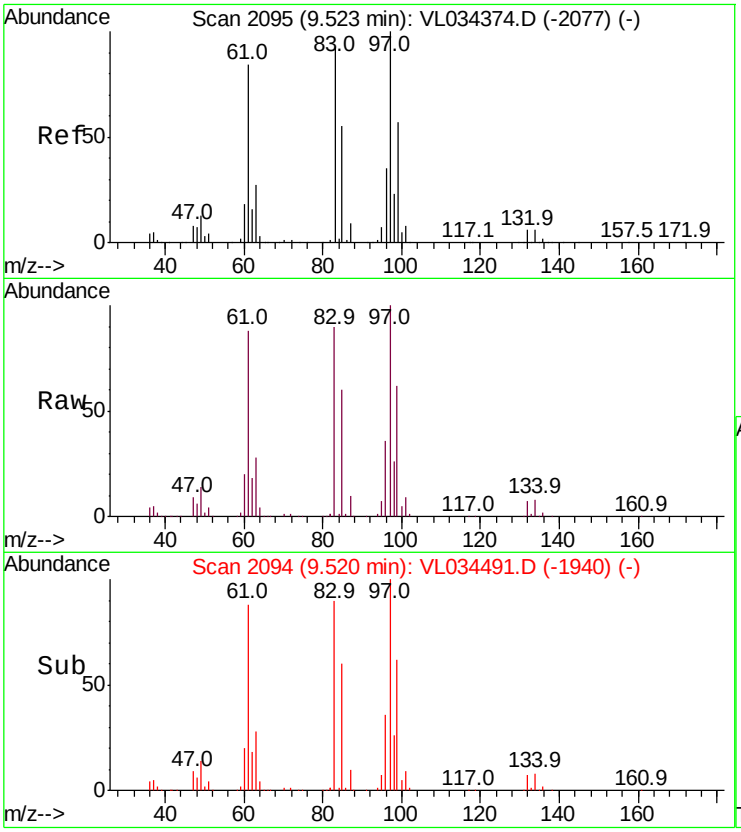


#46
cis-1,3-Dichloropropene
Concen: 9.330 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 75 Resp: 1005837

Ion	Ratio	Lower	Upper
75	100		
39	73.4	59.0	88.6
77	32.9	26.4	39.6



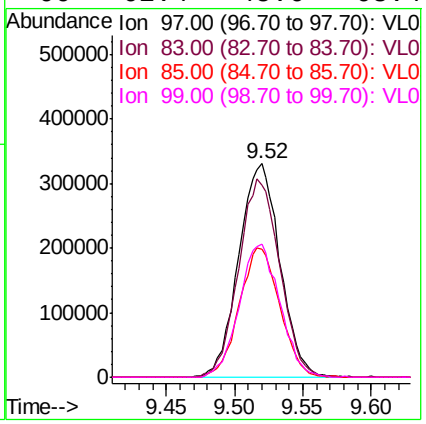


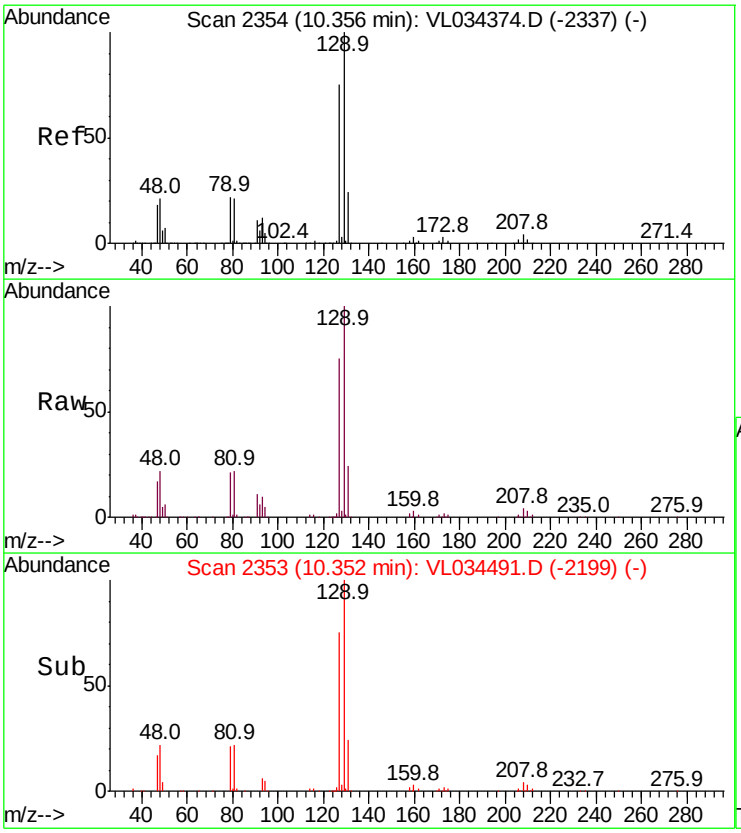
#47
1,1,2-Trichloroethane
Concen: 8.938 ppbv
RT: 9.52 min Scan# 2094
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 97 Resp: 691131

Ion	Ratio	Lower	Upper
97	100		
83	90.1	74.6	112.0
85	59.8	43.8	65.8
99	62.4	45.6	68.4

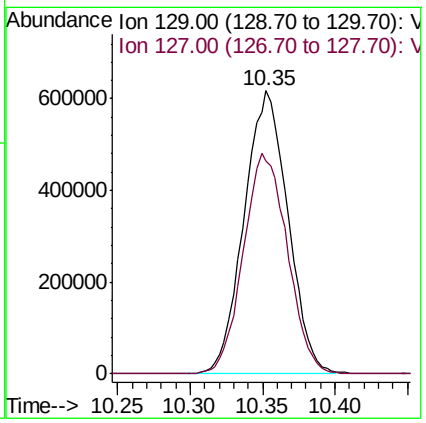


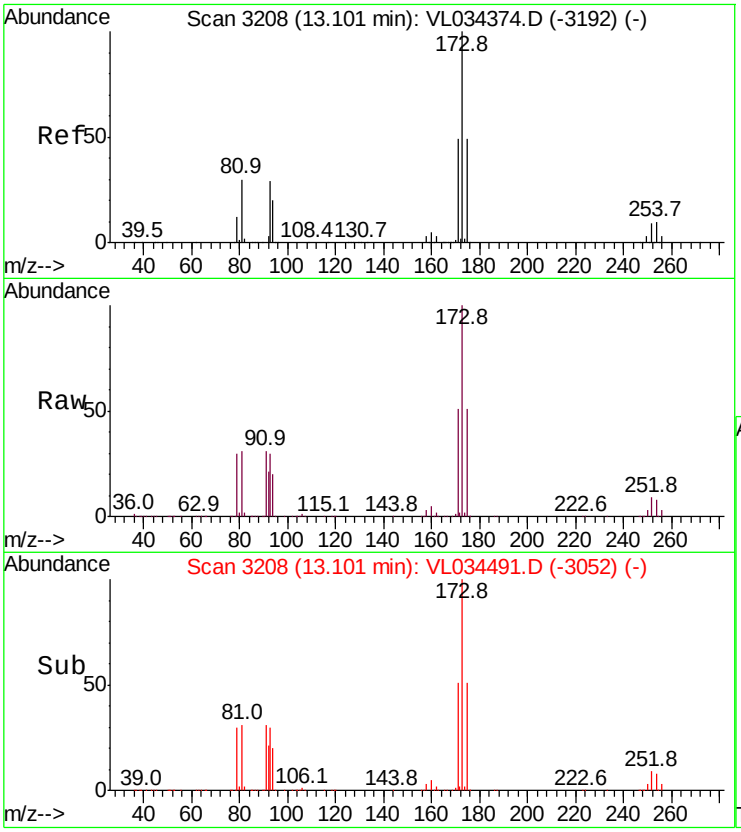


#48
Dibromochloromethane
Concen: 9.804 ppbv
RT: 10.35 min Scan# 2353
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:129 Resp: 1301602

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.5



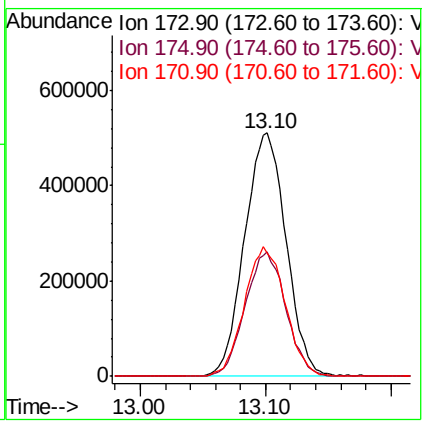


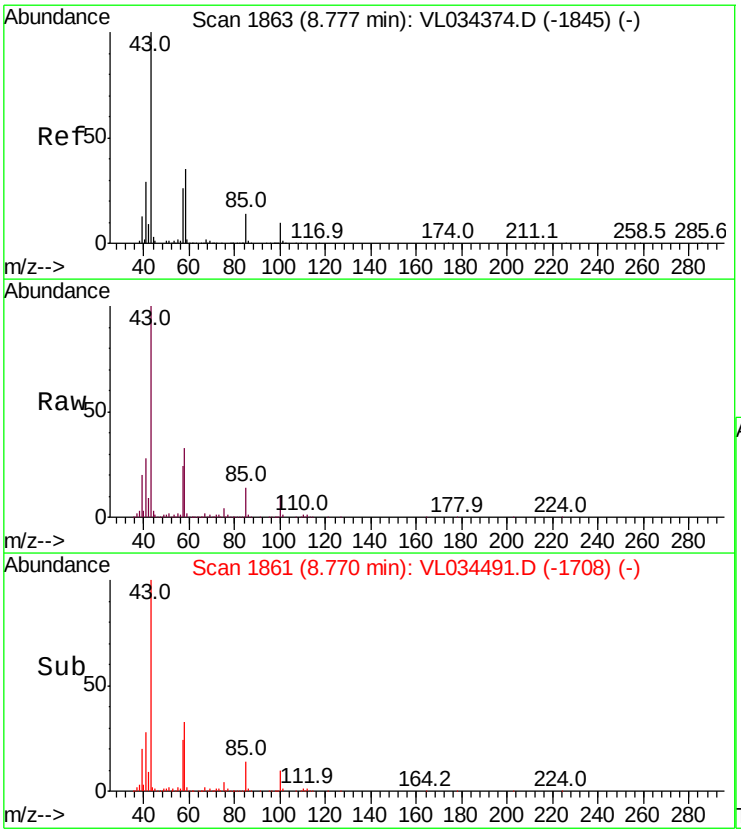
#49
Bromoform
Concen: 9.865 ppbv
RT: 13.10 min Scan# 3208
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1169102

Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.3	58.9
171	52.4	42.4	63.6

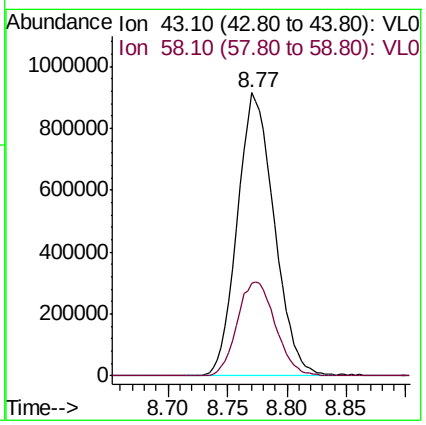


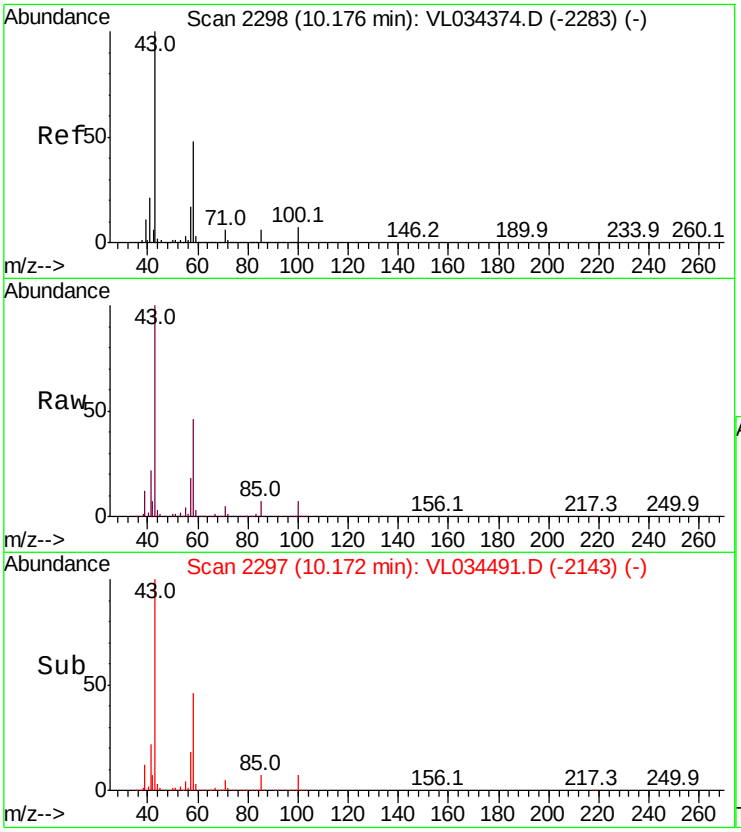


#50
4-Methyl-2-Pentanone
Concen: 9.154 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 43 Resp: 1967774

Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.9	41.9



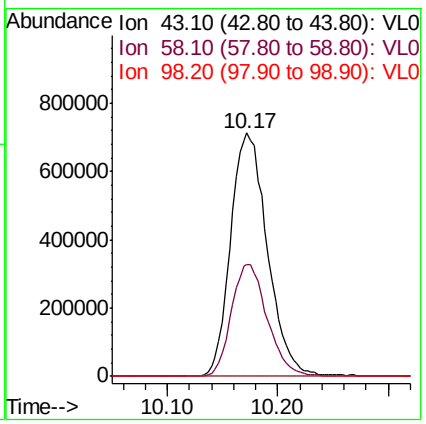


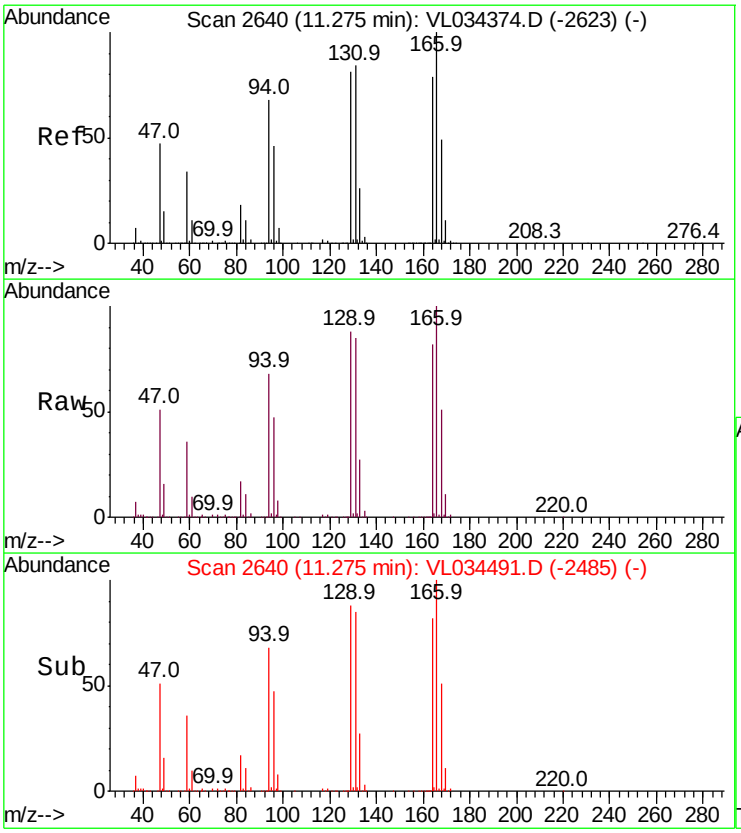
#51
2-Hexanone
Concen: 9.147 ppbv
RT: 10.17 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1646961

Ion	Ratio	Lower	Upper
43	100		
58	45.1	38.2	57.4
98	0.2	0.2	0.2

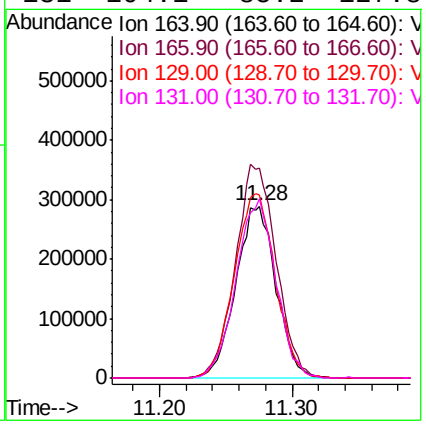


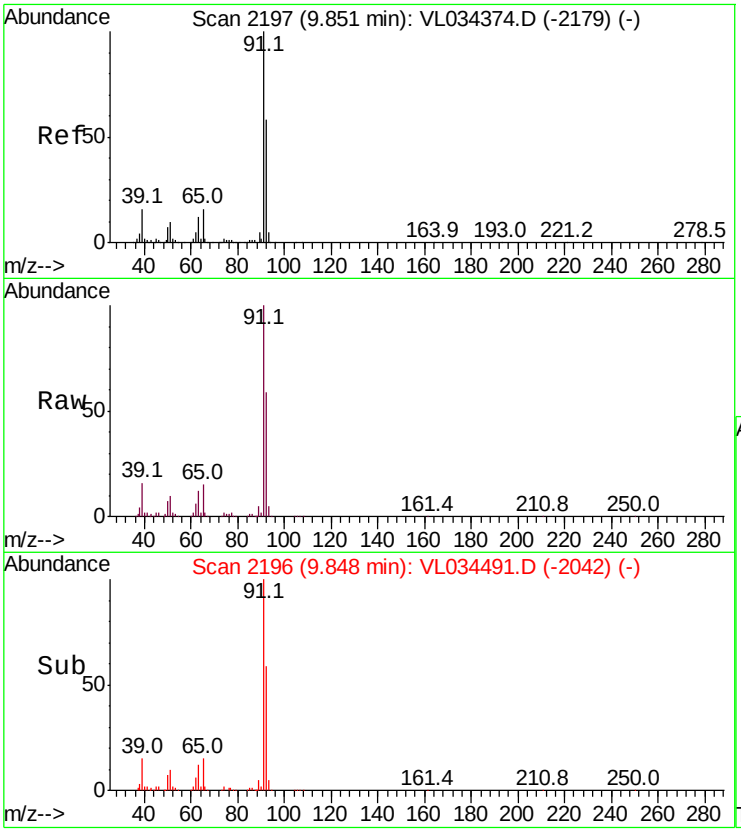


#52
Tetrachloroethene
Concen: 7.762 ppbv
RT: 11.28 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:164 Resp: 605949

Ion	Ratio	Lower	Upper
164	100		
166	122.1	101.7	152.5
129	106.8	82.6	123.8
131	104.1	85.2	127.8



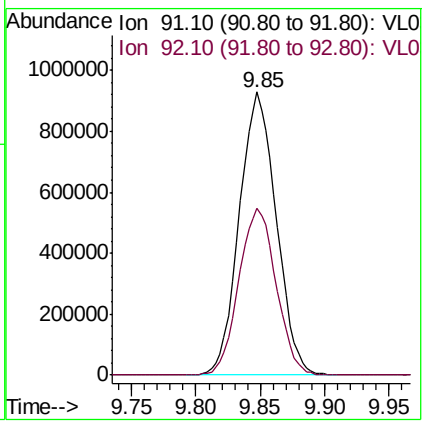


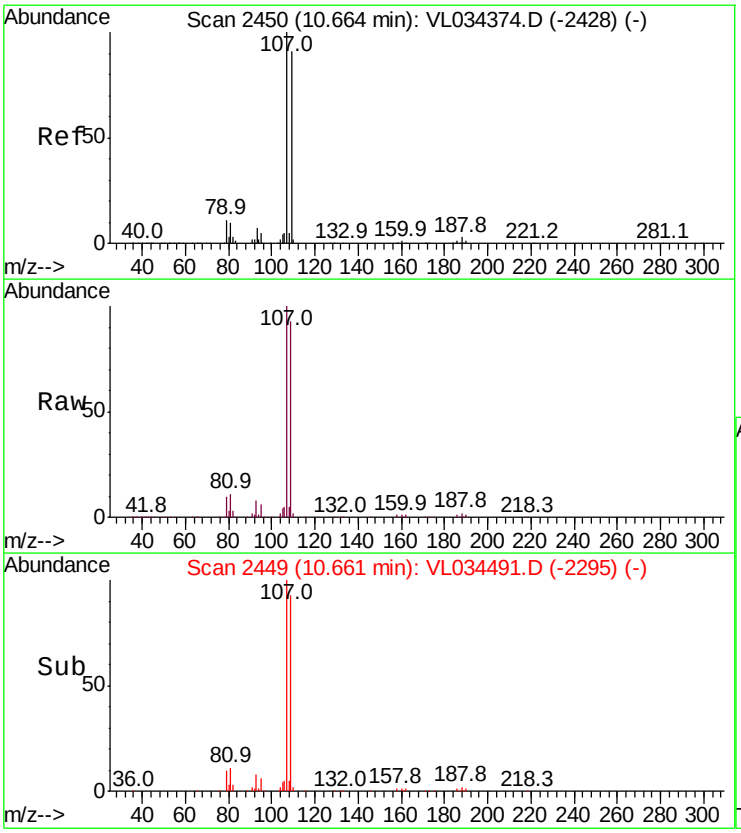
#53
Toluene
Concen: 9.033 ppbv
RT: 9.85 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 1851357

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.9	71.9

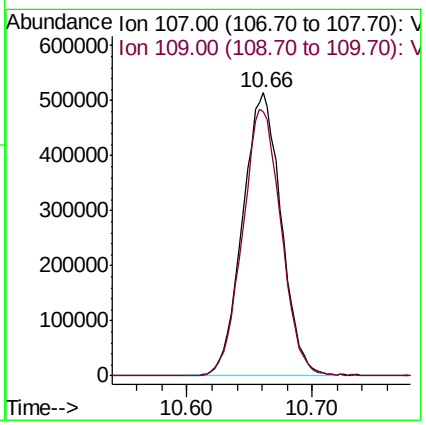


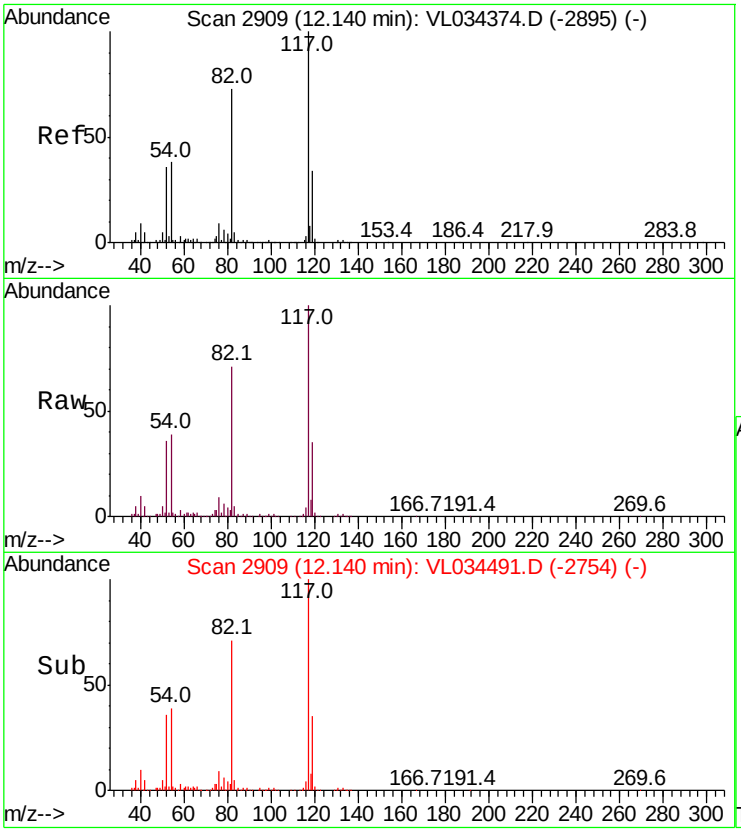


#54
1,2-Dibromoethane
Concen: 9.274 ppbv
RT: 10.66 min Scan# 2449
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:107 Resp: 1099368

Ion	Ratio	Lower	Upper
107	100		
109	93.3	73.0	109.4



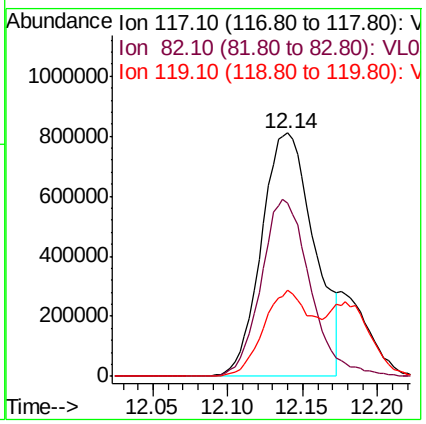


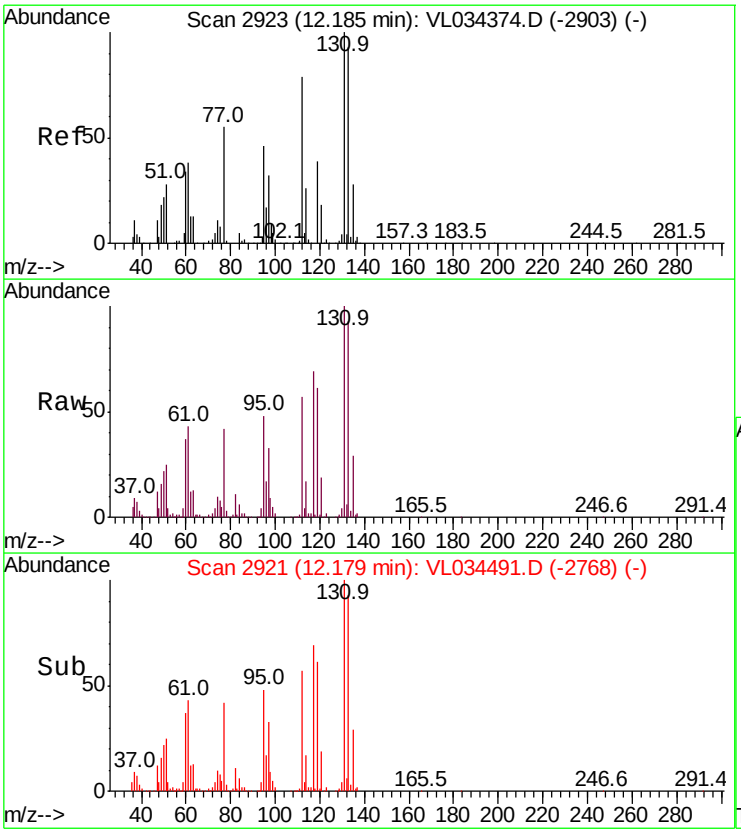
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1981222

Ion	Ratio	Lower	Upper
117	100		
82	68.2	57.5	86.3
119	34.7	25.4	38.2

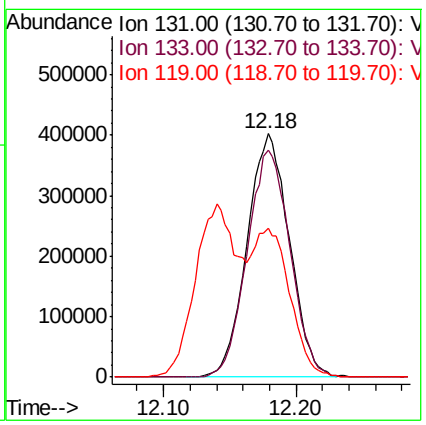


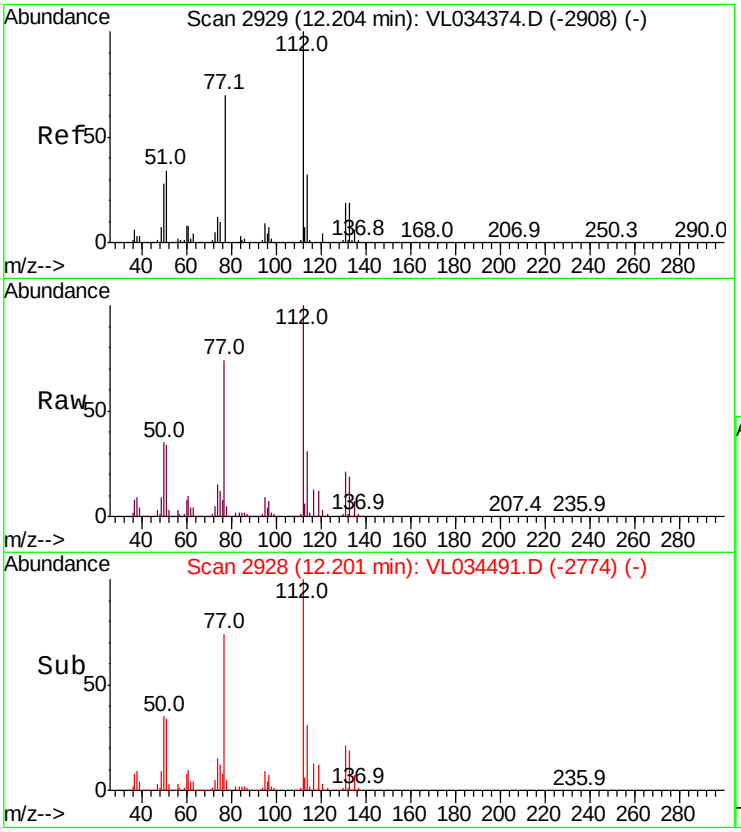


#56
1,1,1,2-Tetrachloroethane
Concen: 9.217 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:131 Resp: 893279

Ion	Ratio	Lower	Upper
131	100		
133	94.5	76.2	114.2
119	58.2	44.6	67.0



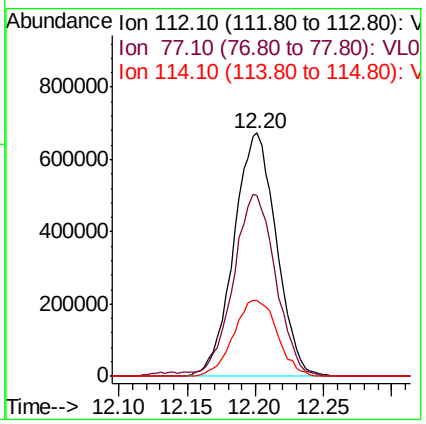


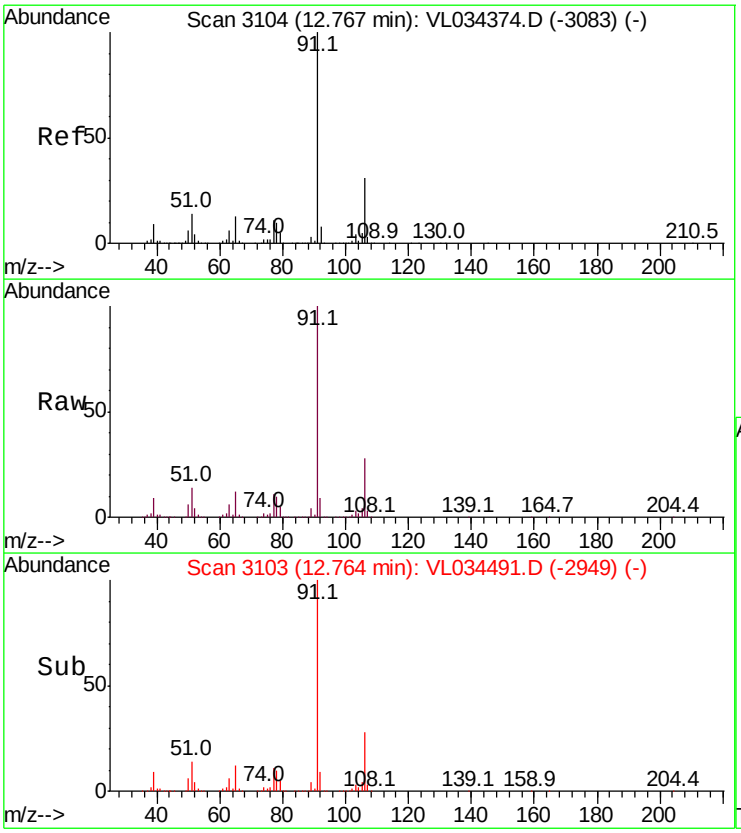
#57
Chlorobenzene
Concen: 8.089 ppbv
RT: 12.20 min Scan# 2928
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 1448665

Ion	Ratio	Lower	Upper
112	100		
77	74.0	57.1	85.7
114	31.4	28.5	34.9

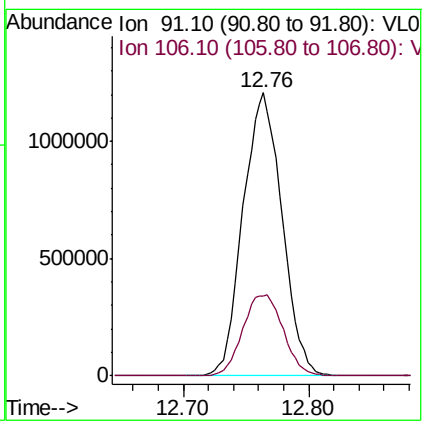


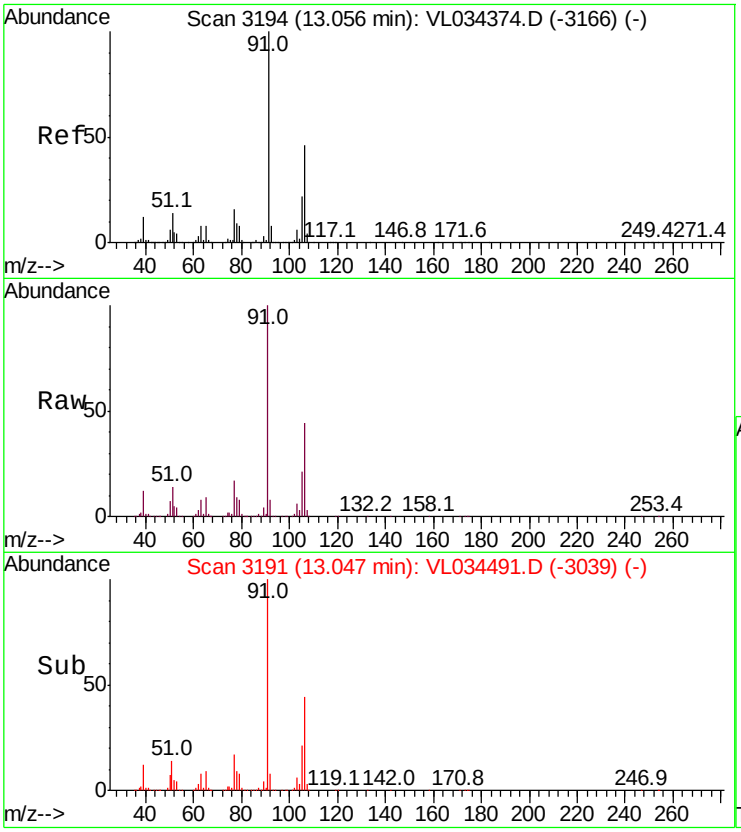


#58
Ethyl Benzene
Concen: 8.462 ppbv
RT: 12.76 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 91 Resp: 2601761

Ion	Ratio	Lower	Upper
91	100		
106	28.0	24.8	37.2



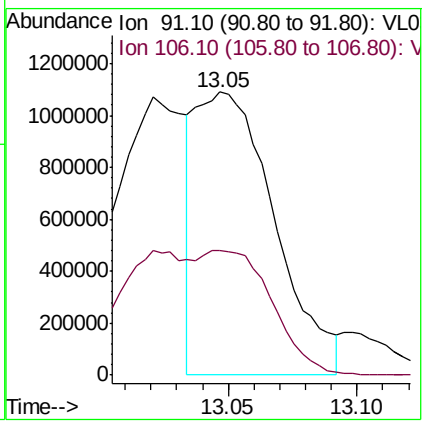


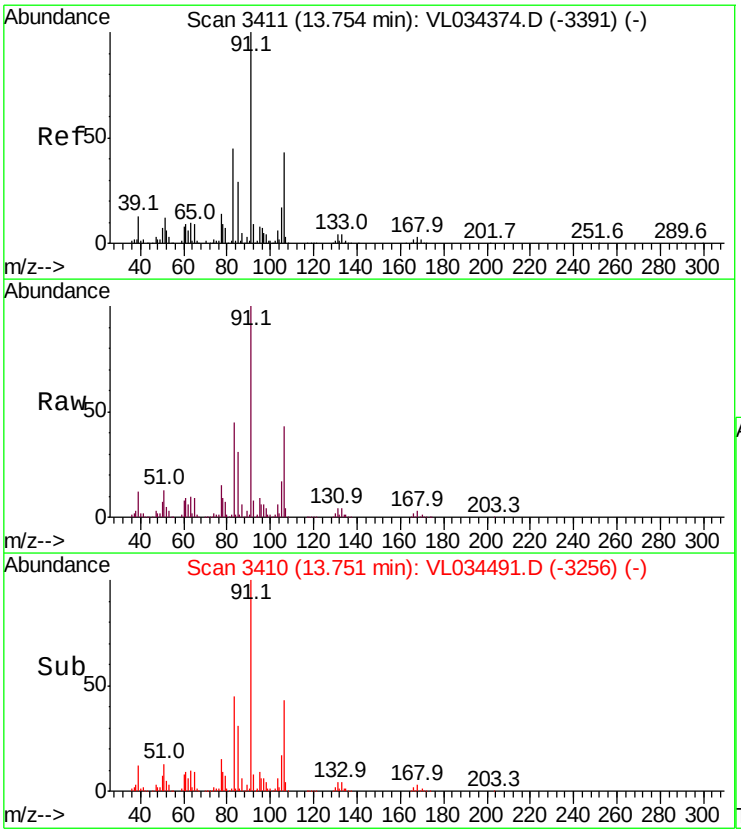
#59
m/p-Xylene
Concen: 8.691 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2309865

Ion	Ratio	Lower	Upper
91	100		
106	82.6	34.6	51.8#

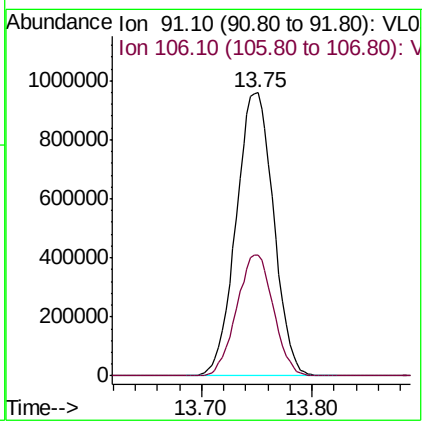


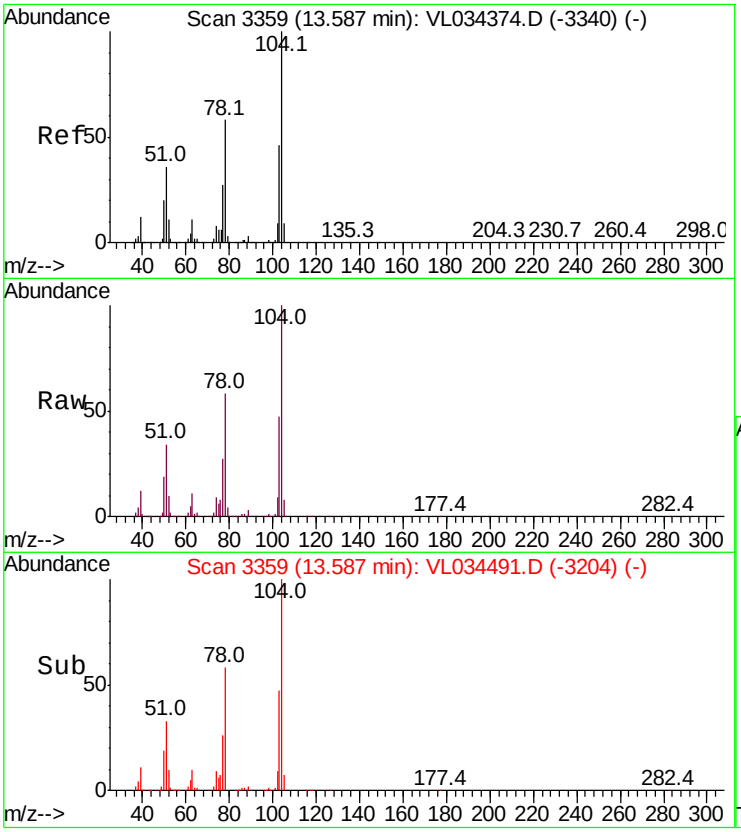


#60
o-Xylene
Concen: 8.546 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 91 Resp: 2245737

Ion	Ratio	Lower	Upper
91	100		
106	42.0	21.3	64.0



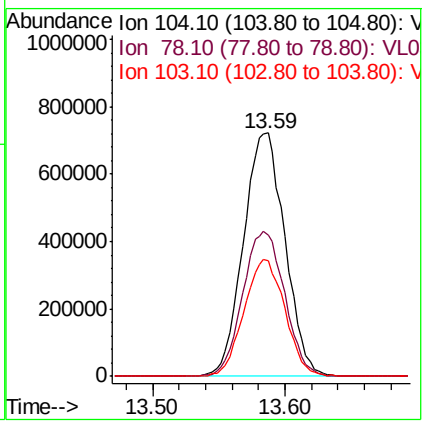


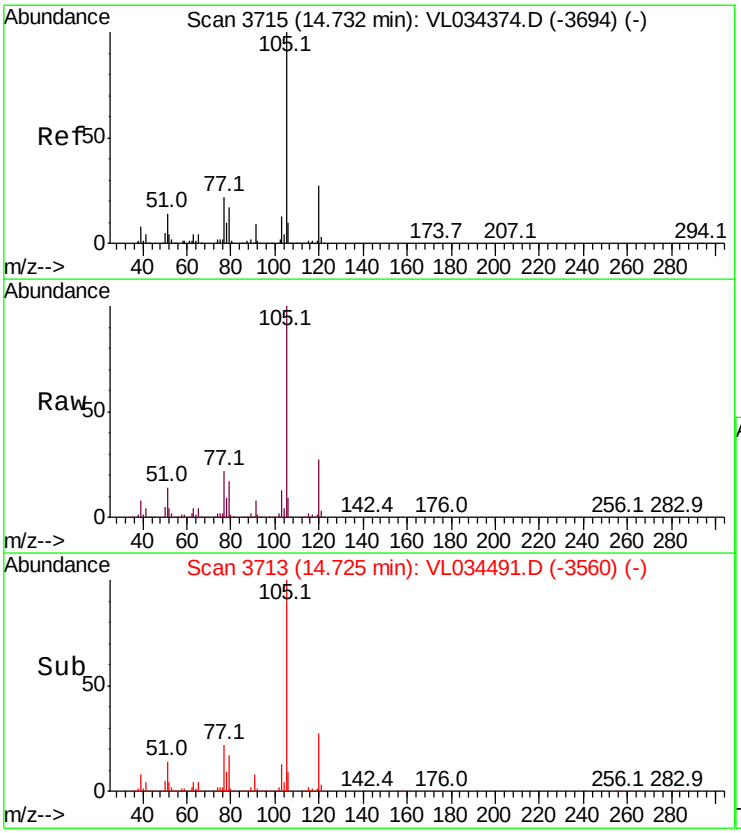
#61
Stvrene
Concen: 8.278 ppbv
RT: 13.59 min Scan# 3359
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 1568682

Ion	Ratio	Lower	Upper
104	100		
78	60.4	47.6	71.4
103	47.5	38.6	57.8

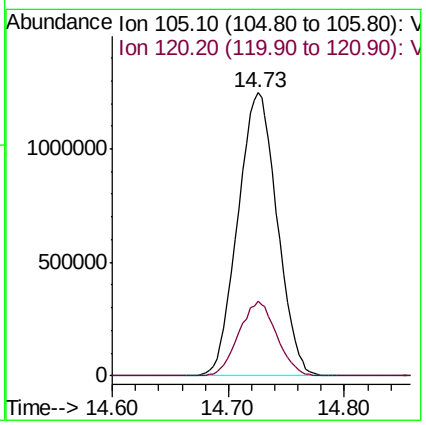


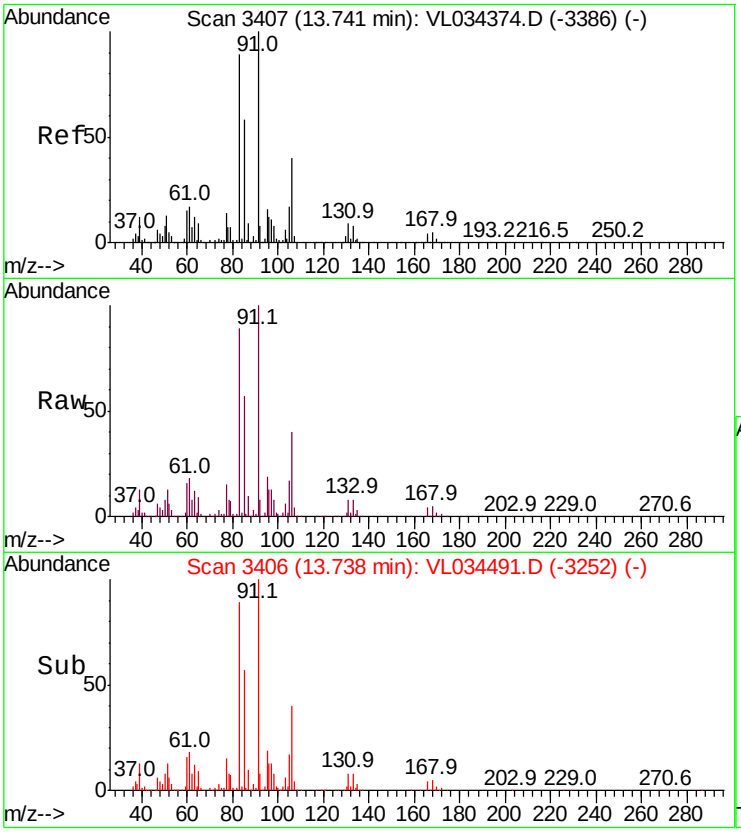


#62
Isopropylbenzene
Concen: 8.444 ppbv
RT: 14.73 min Scan# 3713
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:105 Resp: 2934421

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.2	30.4



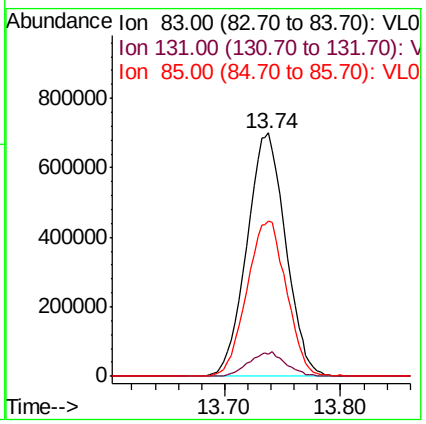


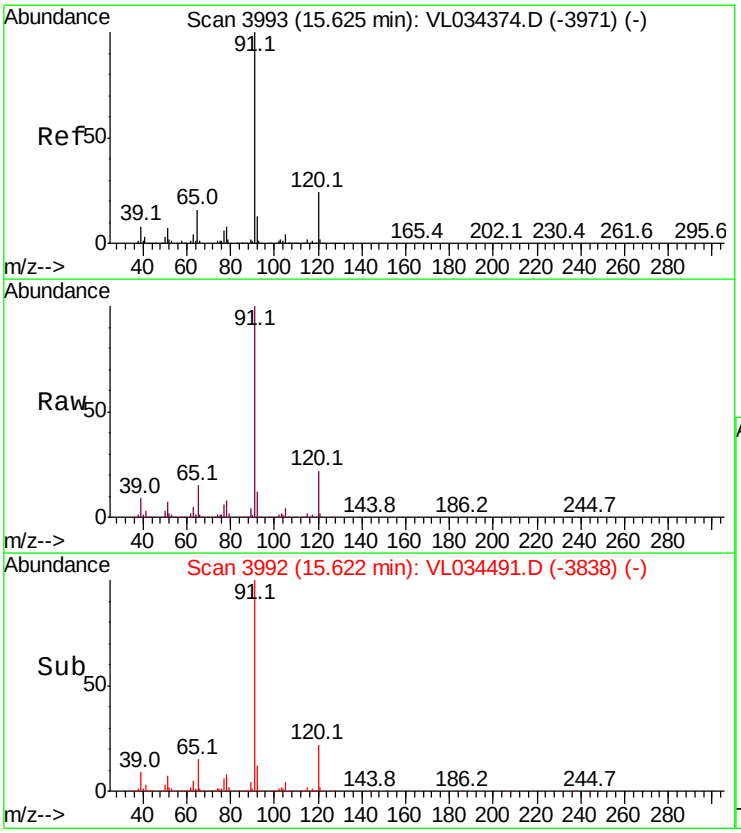
#63
1,1,2,2-Tetrachloroethane
Concen: 8.261 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 83 Resp: 1631733

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	65.1	32.6	97.8

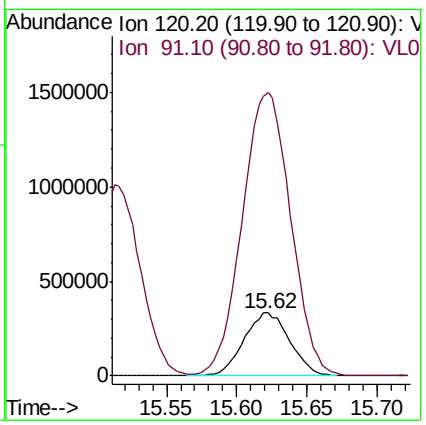


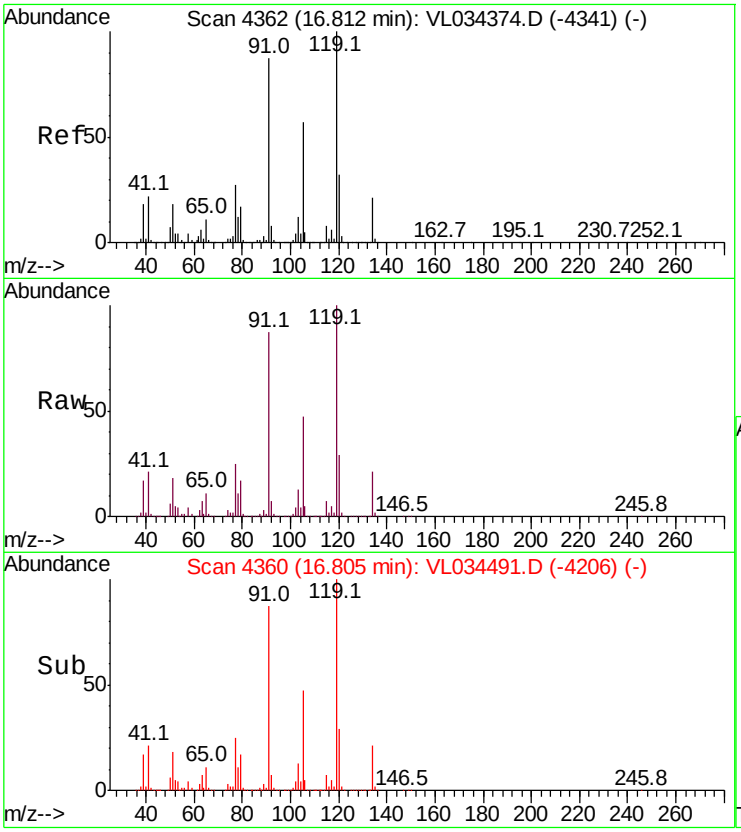


#64
n-propylbenzene
Concen: 8.448 ppbv
RT: 15.62 min Scan# 3992
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:120 Resp: 762431

Ion	Ratio	Lower	Upper
120	100		
91	473.2	370.9	556.3



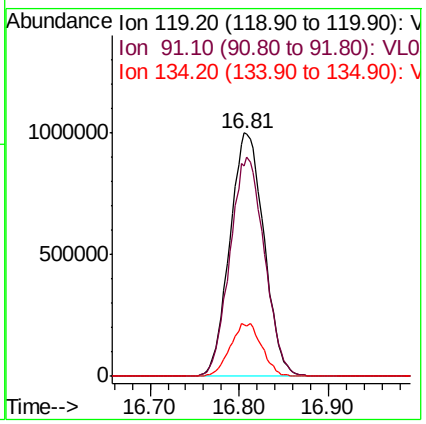


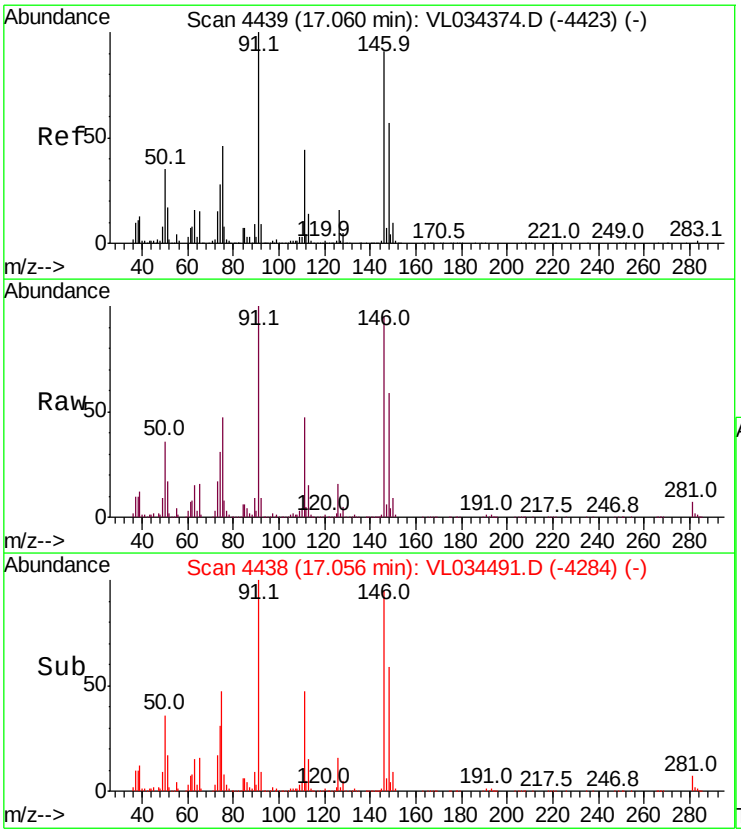
#65
tert-Butylbenzene
Concen: 8.477 ppbv
RT: 16.81 min Scan# 4360
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 2646219

Ion	Ratio	Lower	Upper
119	100		
91	91.0	71.6	107.4
134	20.0	15.9	23.9

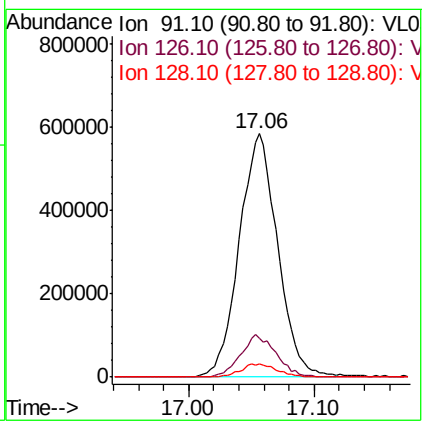


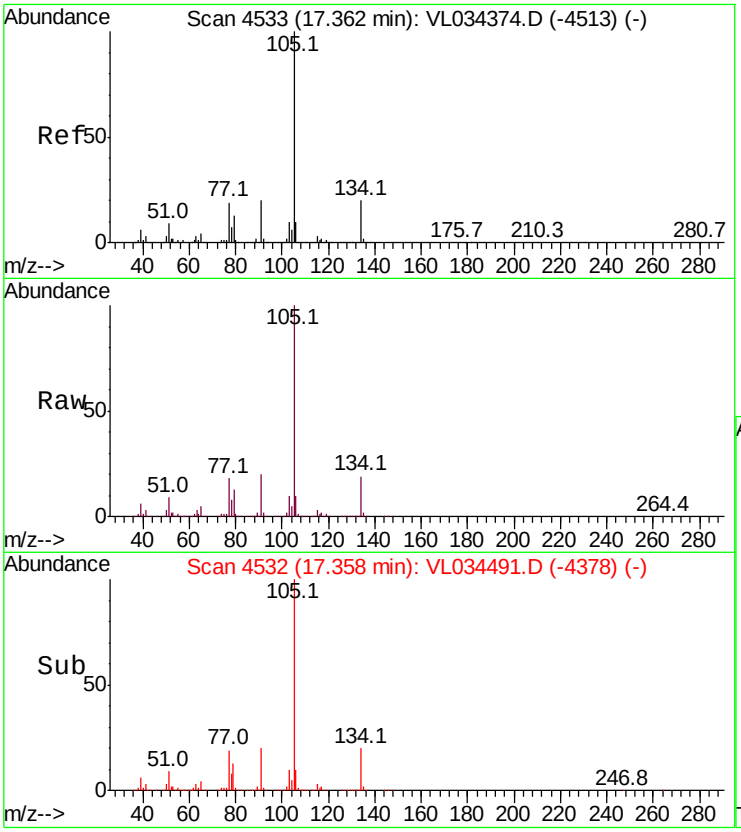


#66
Benzyl Chloride
Concen: 10.326 ppbv
RT: 17.06 min Scan# 4438
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 91 Resp: 1240159

Ion	Ratio	Lower	Upper
91	100		
126	16.5	12.9	19.3
128	5.1	4.3	6.5



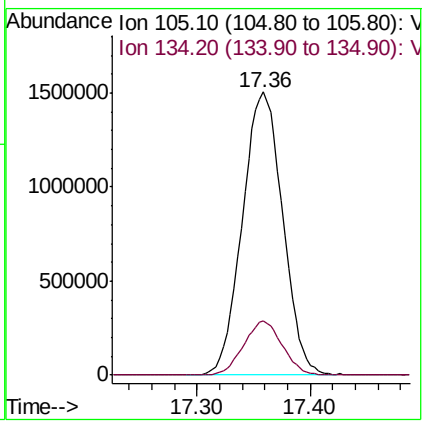


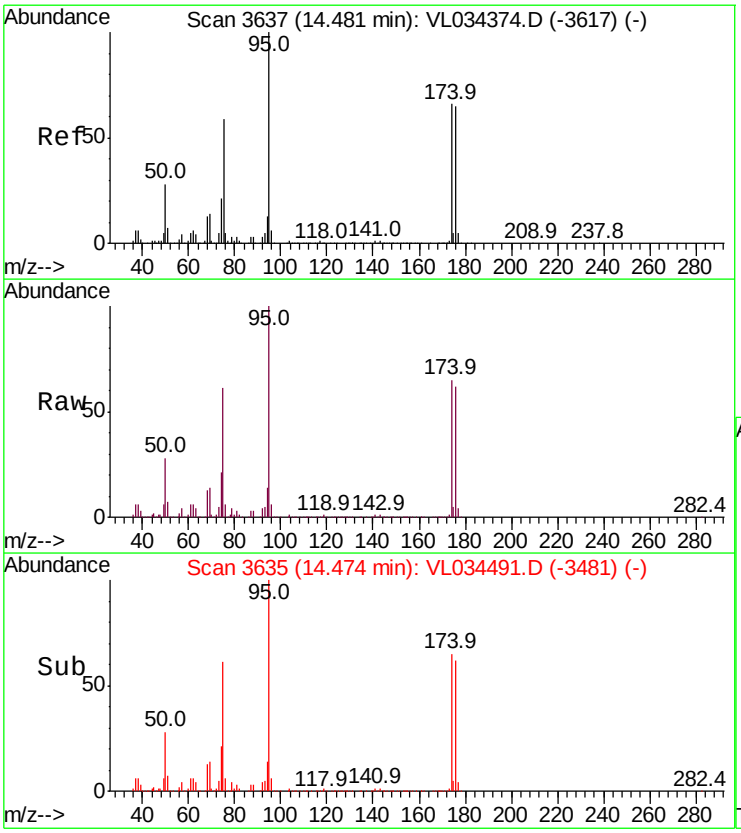
#67
sec-Butylbenzene
Concen: 8.530 ppbv
RT: 17.36 min Scan# 4532
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 3725077

Ion	Ratio	Lower	Upper
105	100		
134	18.4	15.0	22.6

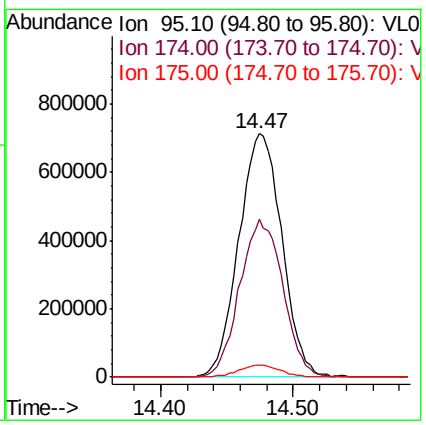


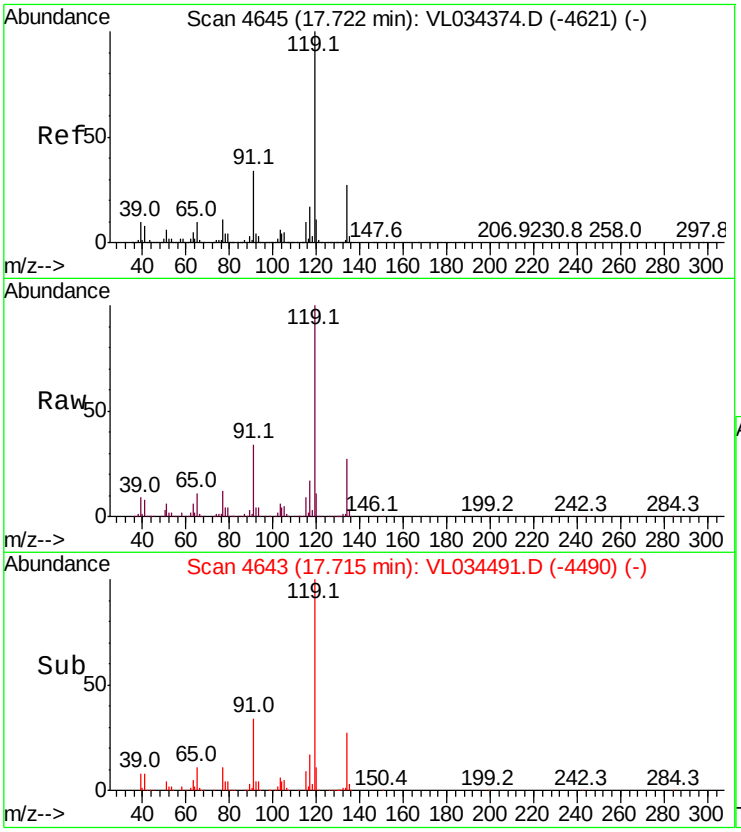


#68
1-Bromo-4-Fluorobenzene
Concen: 9.665 ppbv
RT: 14.47 min Scan# 3635
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 95 Resp: 1610899

Ion	Ratio	Lower	Upper
95	100		
174	65.2	52.2	78.2
175	4.7	3.8	5.8



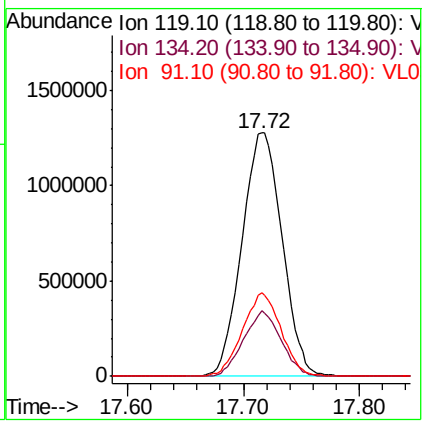


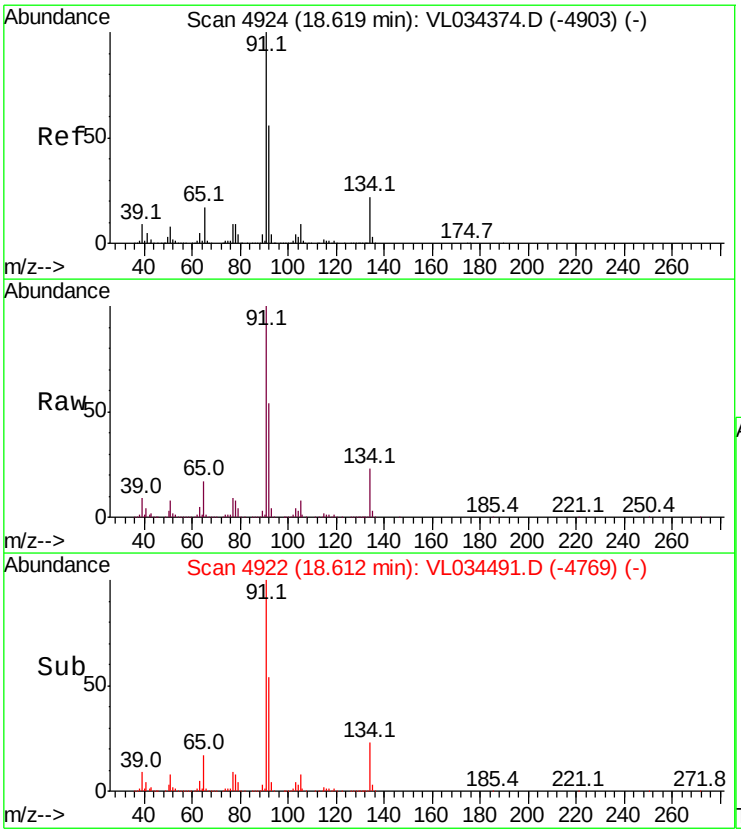
#69
p-Isopropyltoluene
Concen: 8.526 ppbv
RT: 17.72 min Scan# 4643
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 3090047

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	31.0
91	33.2	26.3	39.5

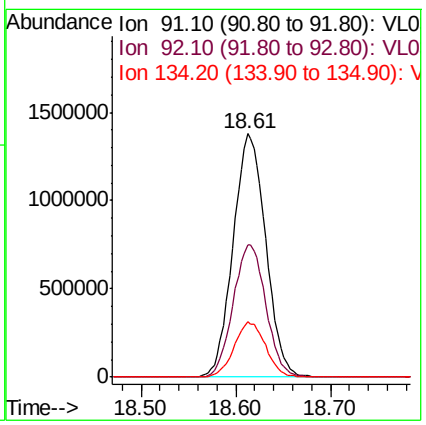


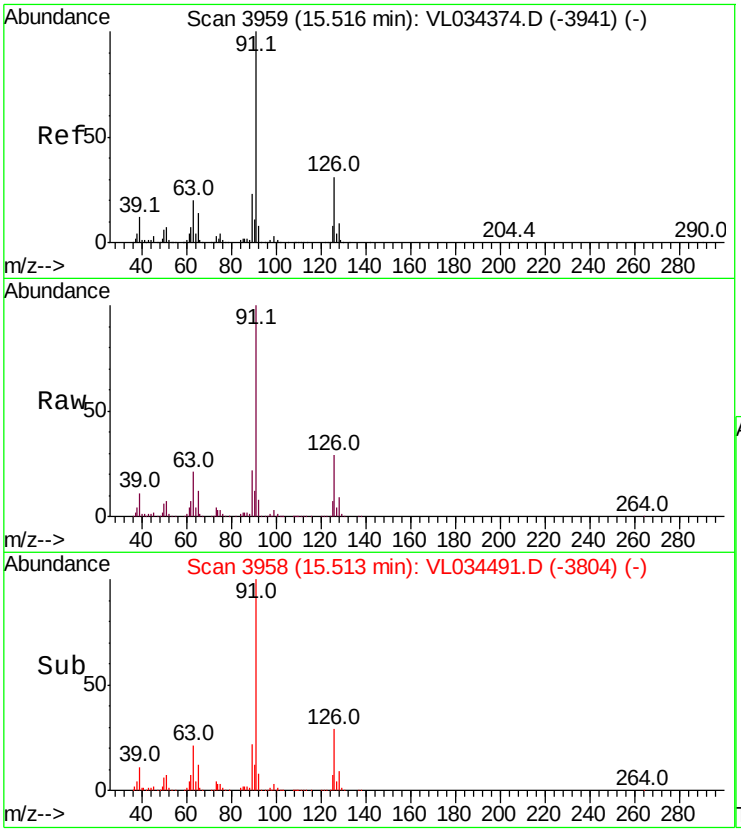


#70
n-Butylbenzene
Concen: 8.446 ppbv
RT: 18.61 min Scan# 4922
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion: 91 Resp: 3293666

Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.6
134	21.8	17.9	26.9



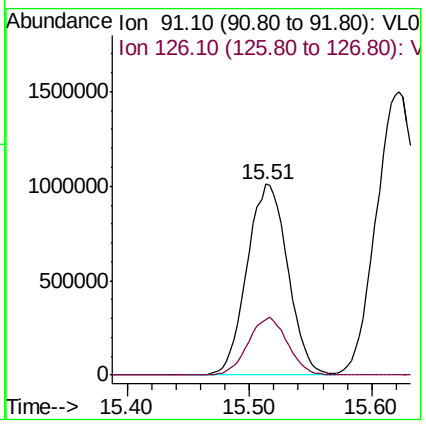


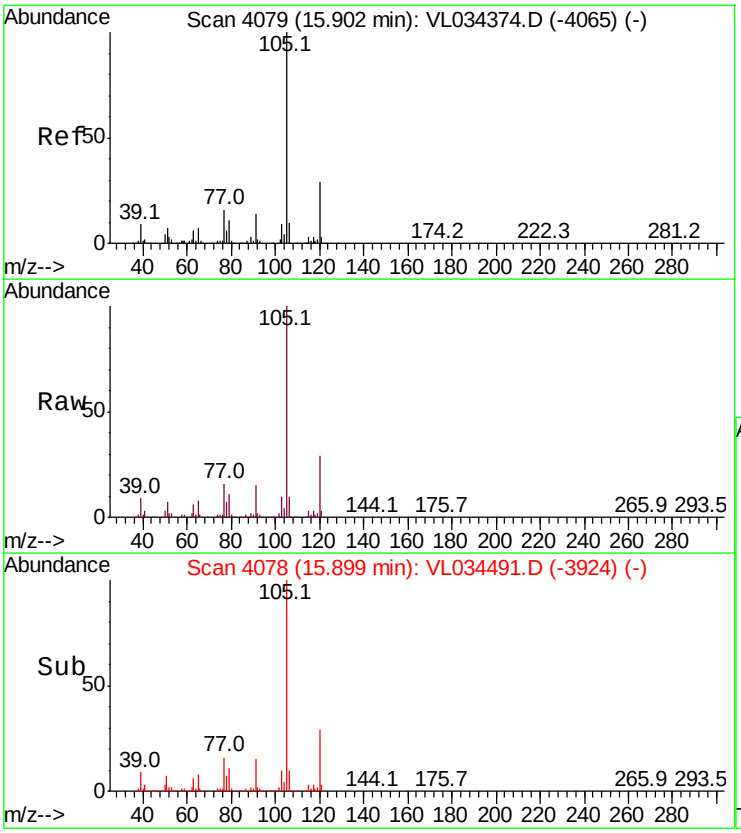
#71
2-Chlorotoluene
Concen: 8.434 ppbv
RT: 15.51 min Scan# 3958
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2337011

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.8	47.4

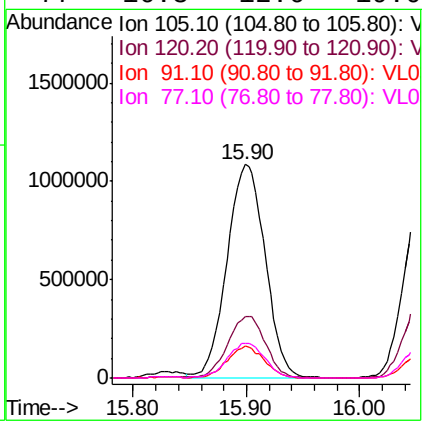


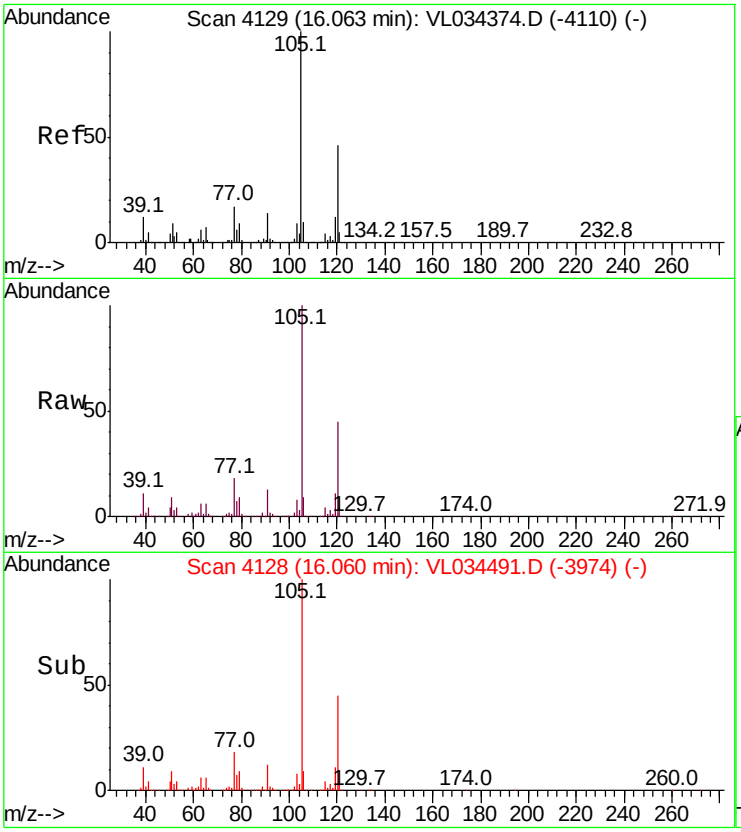


#72
4-Ethyltoluene
Concen: 8.394 ppbv
RT: 15.90 min Scan# 4078
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:105 Resp: 2548717

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.5	35.3
91	14.6	11.4	17.0
77	16.3	12.6	19.0



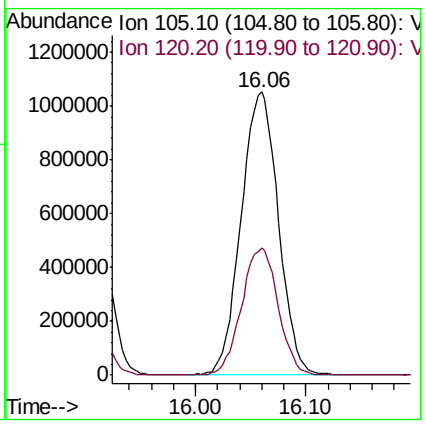


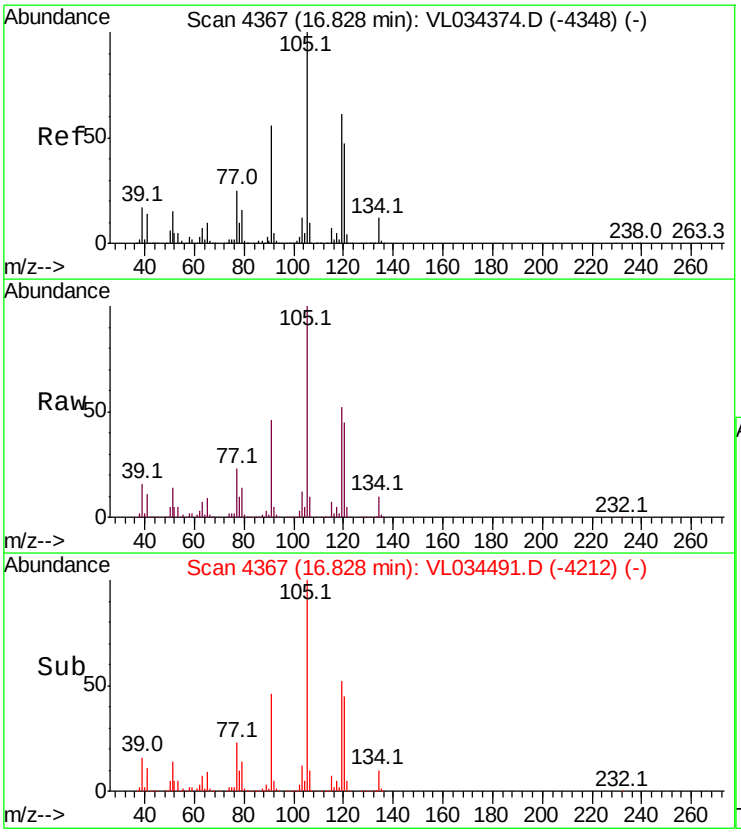
#73
1,3,5-Trimethylbenzene
Concen: 8.255 ppbv
RT: 16.06 min Scan# 4128
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 2453488

Ion	Ratio	Lower	Upper
105	100		
120	45.1	37.1	55.7

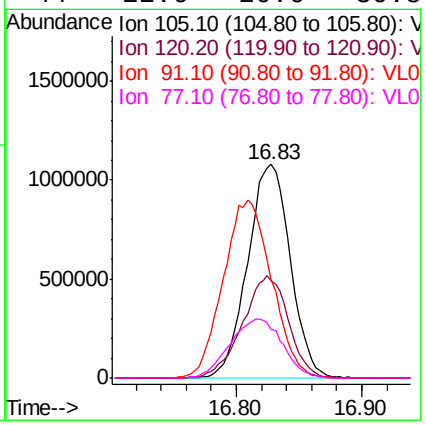


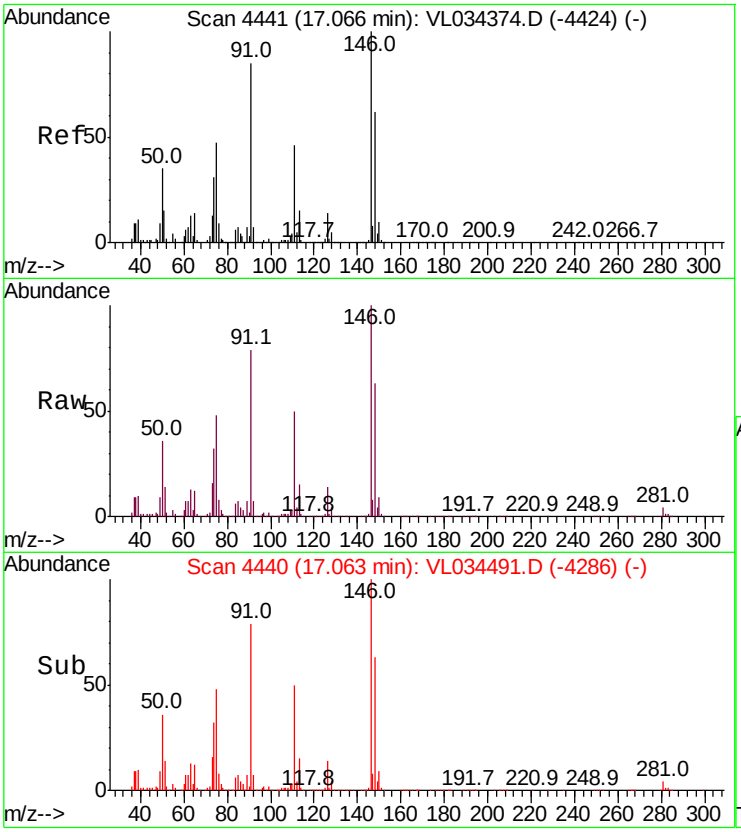


#74
1,2,4-Trimethylbenzene
Concen: 8.082 ppbv
RT: 16.83 min Scan# 4367
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:105 Resp: 2551522

Ion	Ratio	Lower	Upper
105	100		
120	45.3	37.4	56.0
91	46.3	46.3	69.5#
77	22.6	20.6	30.8



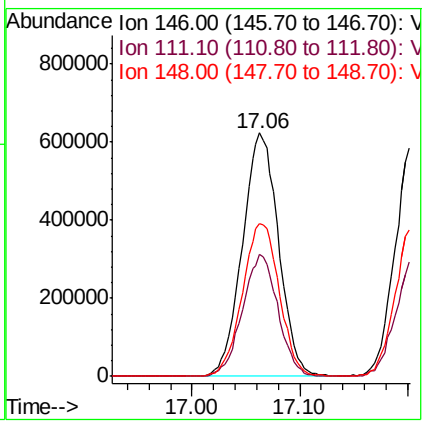


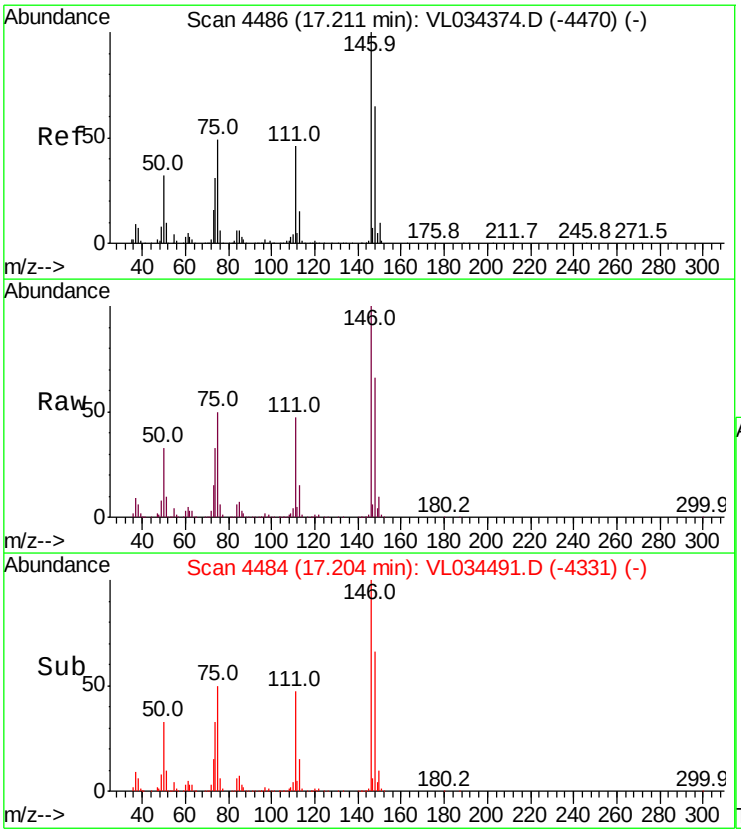
#75
1,3-Dichlorobenzene
Concen: 7.995 ppbv
RT: 17.06 min Scan# 4440
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1450821

Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.4	73.4
148	64.2	32.4	97.0

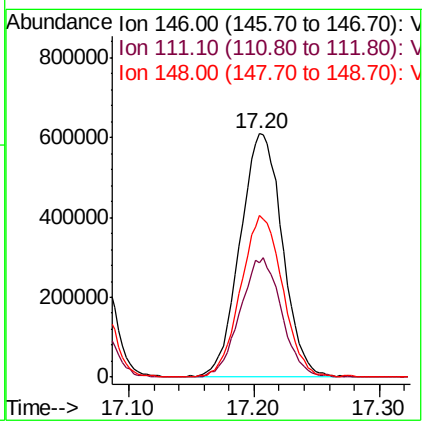


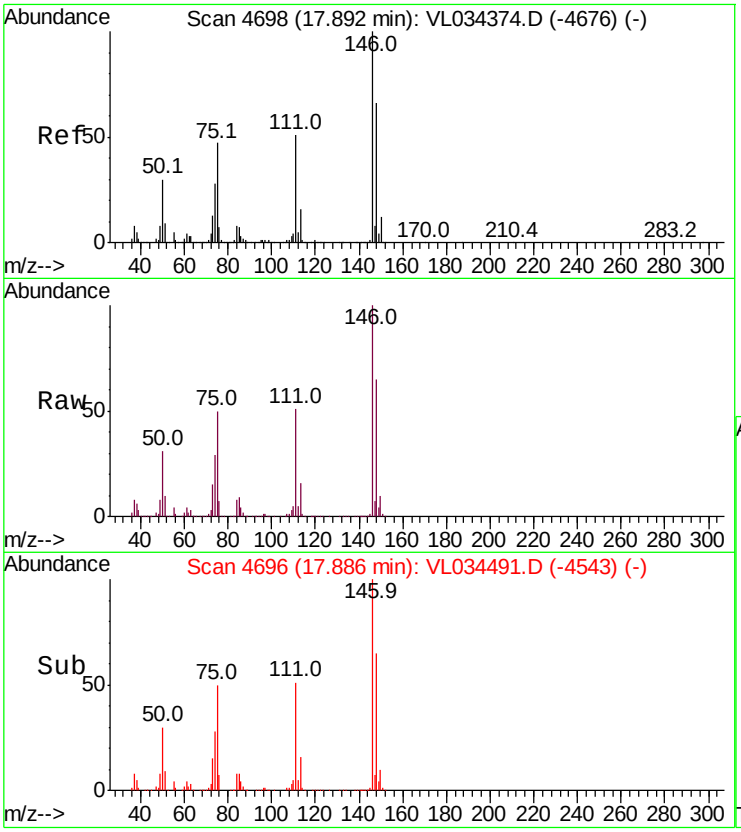


#76
1,4-Dichlorobenzene
Concen: 8.066 ppbv
RT: 17.20 min Scan# 4484
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:146 Resp: 1421268

Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.1	72.3
148	66.2	32.9	98.6



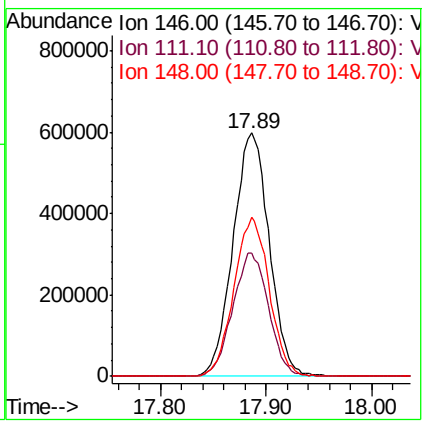


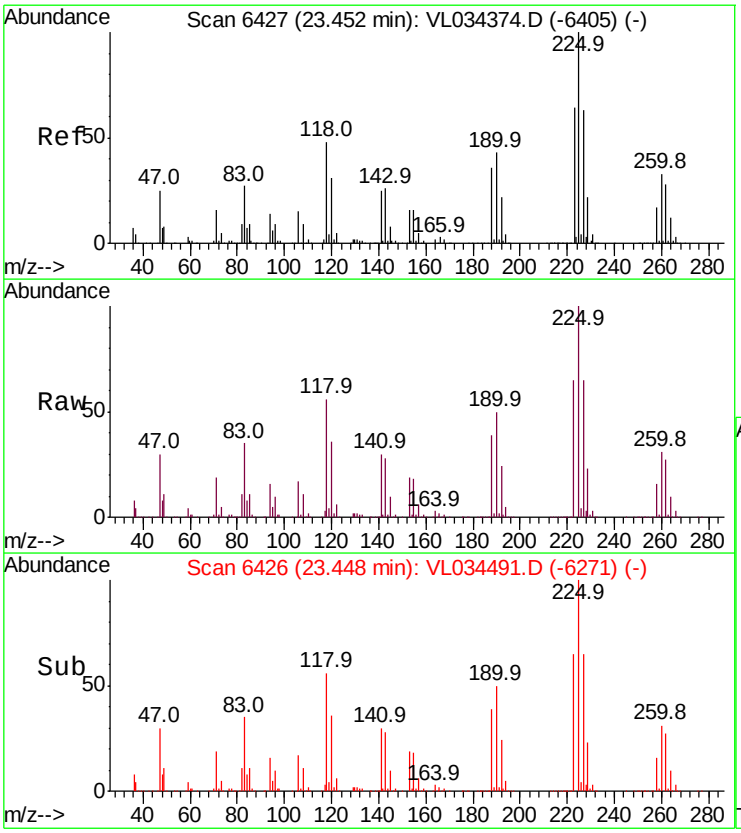
#77
1,2-Dichlorobenzene
Concen: 8.116 ppbv
RT: 17.89 min Scan# 4696
Delta R.T. -0.01 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:146 Resp: 1422566

Ion	Ratio	Lower	Upper
146	100		
111	50.5	25.0	75.0
148	64.2	32.7	98.1

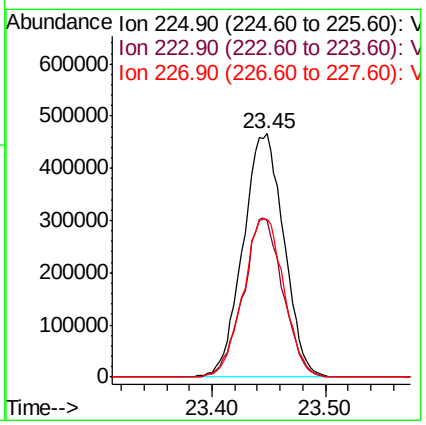


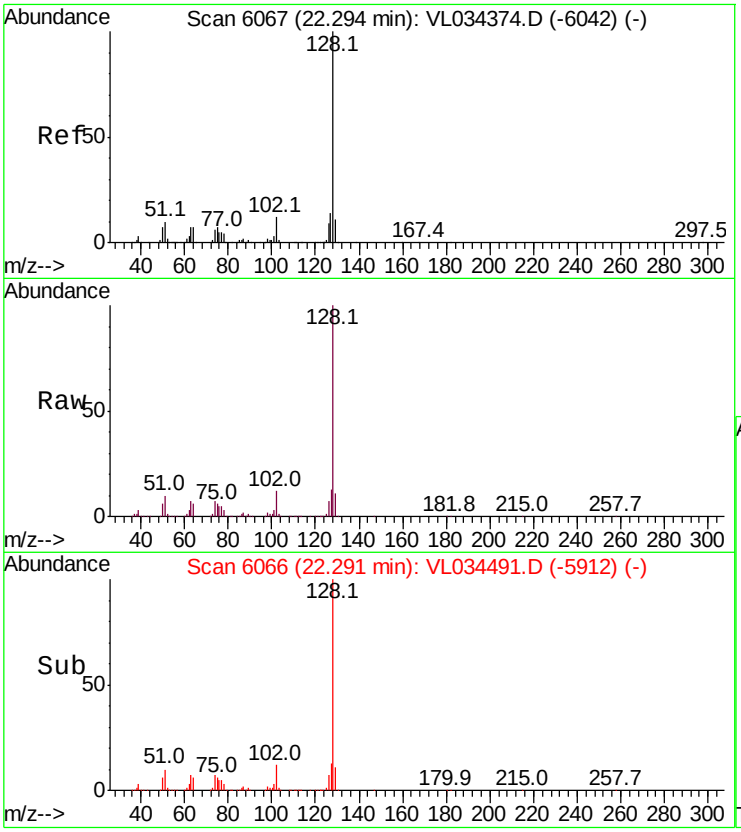


#78
Hexachloro-1,3-Butadiene
Concen: 7.785 ppbv
RT: 23.45 min Scan# 6426
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:225 Resp: 1172381

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.2
227	64.9	51.5	77.3



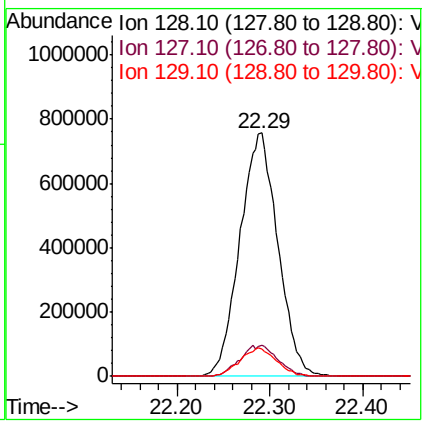


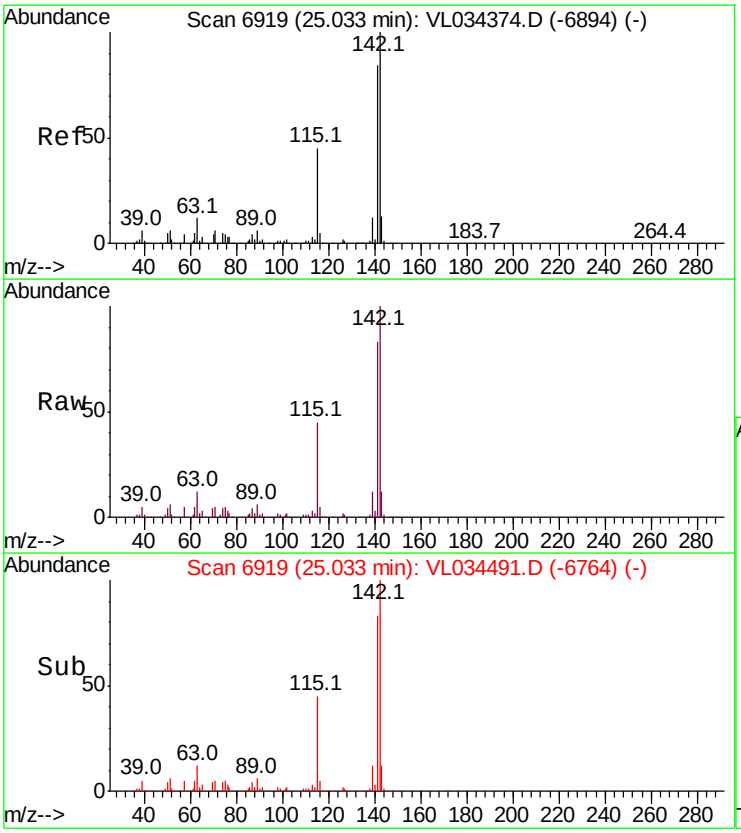
#79
Naphthalene
Concen: 7.853 ppbv
RT: 22.29 min Scan# 6066
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 2149291

Ion	Ratio	Lower	Upper
128	100		
127	12.7	11.0	16.6
129	11.3	8.9	13.3

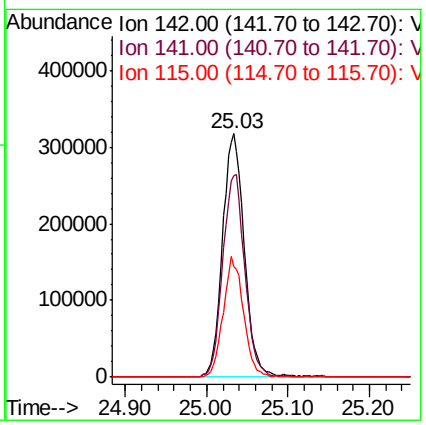


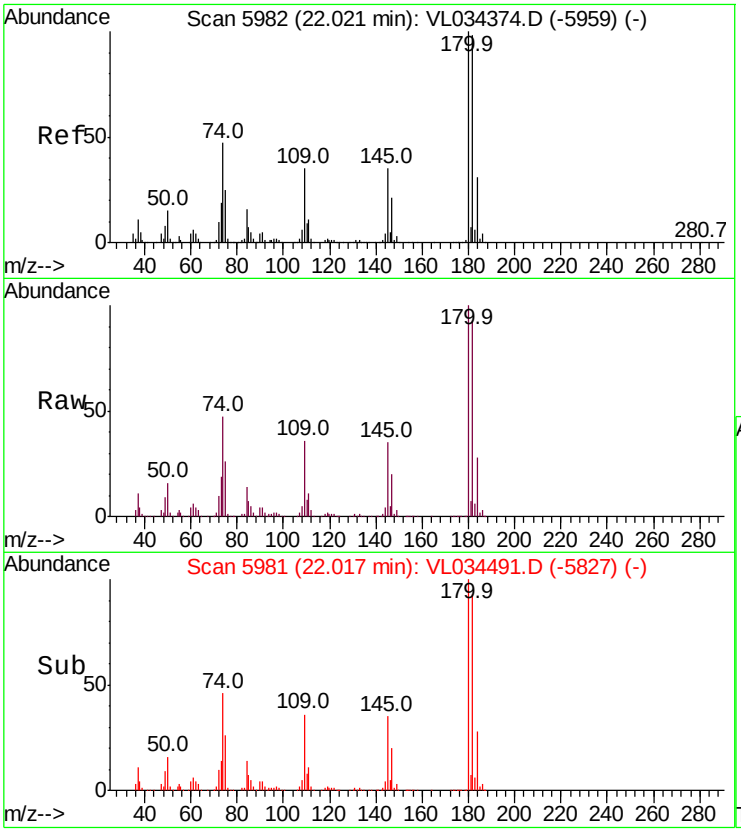


#80
Naphthalene,2-methyl-
Concen: 4.860 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Tgt Ion:142 Resp: 600597

Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.1	100.7
115	46.3	36.6	54.8





#81
1,2,4-Trichlorobenzene
Concen: 7.214 ppbv
RT: 22.02 min Scan# 5981
Delta R.T. -0.00 min
Lab File: VL034491.D
Acq: 10 Dec 2019 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1212972

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.8	115.2
184	30.7	24.9	37.3