Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021820\

Quantitation Report (Not Reviewed)

Data File : VL034621.D
Acq On : 18 Feb 2020 12:12
Operator : SY/AP
Sample : VL0218ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Quant Time: Feb 19 06:02:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1000225	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2052213	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2200727	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1825775	9.82	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	2083762	9.459	ppbv	98
3) Chlorodifluoromethane	2.95	51	1163453	9.626	ppbv	100
4) Chloromethane	3.11	50	701435	9.486	ppbv	100
5) Vinyl Chloride	3.22	62	672469	9.521	ppbv	98
6) Bromomethane	3.44	94	359716	9.791	ppbv	99
7) Chloroethane	3.52	64	253261	9.642	ppbv	96
8) Dichlorotetrafluoroethane	3.15	85	1633181	9.484	ppbv	99
9) Propene	2.97	41	453989	9.648	ppbv	99
10) Heptane	8.13	43	1220402	10.305	ppbv	100
11) Trichlorofluoromethane	3.92	101	1932999	9.659	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1303491	9.983	ppbv	99
13) Ethanol	3.57	45	103819	8.237	ppbv	99
14) Bromoethene	3.71	108	516318	10.080	ppbv	98
15) Acetone	3.82	43	1330637	9.052	ppbv	98
16) 1,3-Butadiene	3.29	39	586409	10.045	ppbv	97
17) tert-Butyl alcohol	4.27	59	1104349	10.215	ppbv	99
18) 1,1-Dichloroethene	4.27	96	571586	10.370	ppbv	94
19) Isopropyl Alcohol	3.94	45	841671	9.811	ppbv	100
20) Methylene Chloride	4.32	84	507961	9.075	ppbv	97
21) Allyl Chloride	4.39	41	933345	10.223	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	594611	10.300	ppbv	94
23) Vinyl Acetate	5.06	43	1686491	10.056	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1354755	9.675	ppbv	99
25) Ethyl Acetate	5.67	43	2282502	9.591	ppbv	99
26) Hexane	5.68	57	981769	9.849	ppbv	98
27) Carbon Disulfide	4.53	76	1483199	11.027	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1735514	10.209	ppbv	100
29) Chloroform	5.75	83	1685853	9.564	ppbv	97
30) Cyclohexane	7.14	84	760023	10.289	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1054668	10.183	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1753222	9.263	ppbv	100
34) 2-Butanone	5.23	43	1437364	9.646	ppbv	99
35) Carbon Tetrachloride	7.02	117	1909248	9.731	ppbv	95
36) Benzene	6.90	78	1849304	10.133	ppbv	96
37) 1,2-Dichloroethane	6.31	62	1458264	9.577	ppbv	100
38) Trichloroethene	7.85	130	797076	10.361	ppbv	98
39) 1,2-Dichloropropane	7.62	63	739681	9.777	ppbv	97
40) 1,4-Dioxane	7.84	88	291037	10.007	ppbv #	1
41) Tetrahydrofuran	6.04	42	772445	9.937	ppbv	98
42) Bromodichloromethane	7.81	83	1871133	9.984	ppbv	100
43) Methyl Methacrylate	8.02	69	780270	10.630	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021820\

Quantitation Report (Not Reviewed)

Data File : VL034621.D
Acq On : 18 Feb 2020 12:12
Operator : SY/AP
Sample : VL0218ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Quant Time: Feb 19 06:02:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3289910	9.936	ppbv		100
45) t-1,3-Dichloropropene	9.30	75	1116884	11.620	ppbv		97
46) cis-1,3-Dichloropropene	8.72	75	1233767	11.293	ppbv		95
47) 1,1,2-Trichloroethane	9.49	97	814538	9.940	ppbv		97
48) Dibromochloromethane	10.33	129	1590378	10.592	ppbv		100
49) Bromoform	13.08	173	1434189	10.879	ppbv		99
50) 4-Methyl-2-Pentanone	8.75	43	2133624	10.041	ppbv		100
51) 2-Hexanone	10.15	43	1756964	10.503	ppbv	#	100
52) Tetrachloroethene	11.25	164	728216	9.933	ppbv		96
53) Toluene	9.82	91	2179210	10.870	ppbv		99
54) 1,2-Dibromoethane	10.64	107	1246988	10.155	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.16	131	1051777	9.681	ppbv		96
57) Chlorobenzene	12.17	112	1748187	9.654	ppbv		99
58) Ethyl Benzene	12.74	91	3045124	10.340	ppbv		96
59) m/p-Xylene	13.03	91	2295840	8.819	ppbv	#	15
60) o-Xylene	13.73	91	2590051	9.907	ppbv		99
61) Styrene	13.56	104	1868583	10.719	ppbv		99
62) Isopropylbenzene	14.70	105	3340716	9.861	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1799949	8.902	ppbv		99
64) n-propylbenzene	15.60	120	864094	9.914	ppbv		95
65) tert-Butylbenzene	16.79	119	3018982	9.836	ppbv		99
66) Benzyl Chloride	17.03	91	1459379	11.339	ppbv		100
67) sec-Butylbenzene	17.33	105	4113775	9.752	ppbv		99
69) p-Isopropyltoluene	17.69	119	3365042	9.825	ppbv		100
70) n-Butylbenzene	18.59	91	3550254	9.765	ppbv		99
71) 2-Chlorotoluene	15.49	91	2580157	10.033	ppbv		99
72) 4-Ethyltoluene	15.88	105	2899061	10.095	ppbv		99
73) 1,3,5-Trimethylbenzene	16.03	105	2790961	9.946	ppbv		98
74) 1,2,4-Trimethylbenzene	16.80	105	2922671	9.408	ppbv	#	91
75) 1,3-Dichlorobenzene	17.04	146	1639618	9.166	ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	1640382	9.305	ppbv		100
77) 1,2-Dichlorobenzene	17.86	146	1555641	9.053	ppbv		100
78) Hexachloro-1,3-Butadiene	23.42	225	1462607	8.901	ppbv		100
79) Naphthalene	22.26	128	2463197	10.072	ppbv		98
80) Naphthalene,2-methyl-	25.01	142	1246598	13.249	ppbv		99
81) 1,2,4-Trichlorobenzene	21.98	180	1518943	10.074	ppbv		98

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

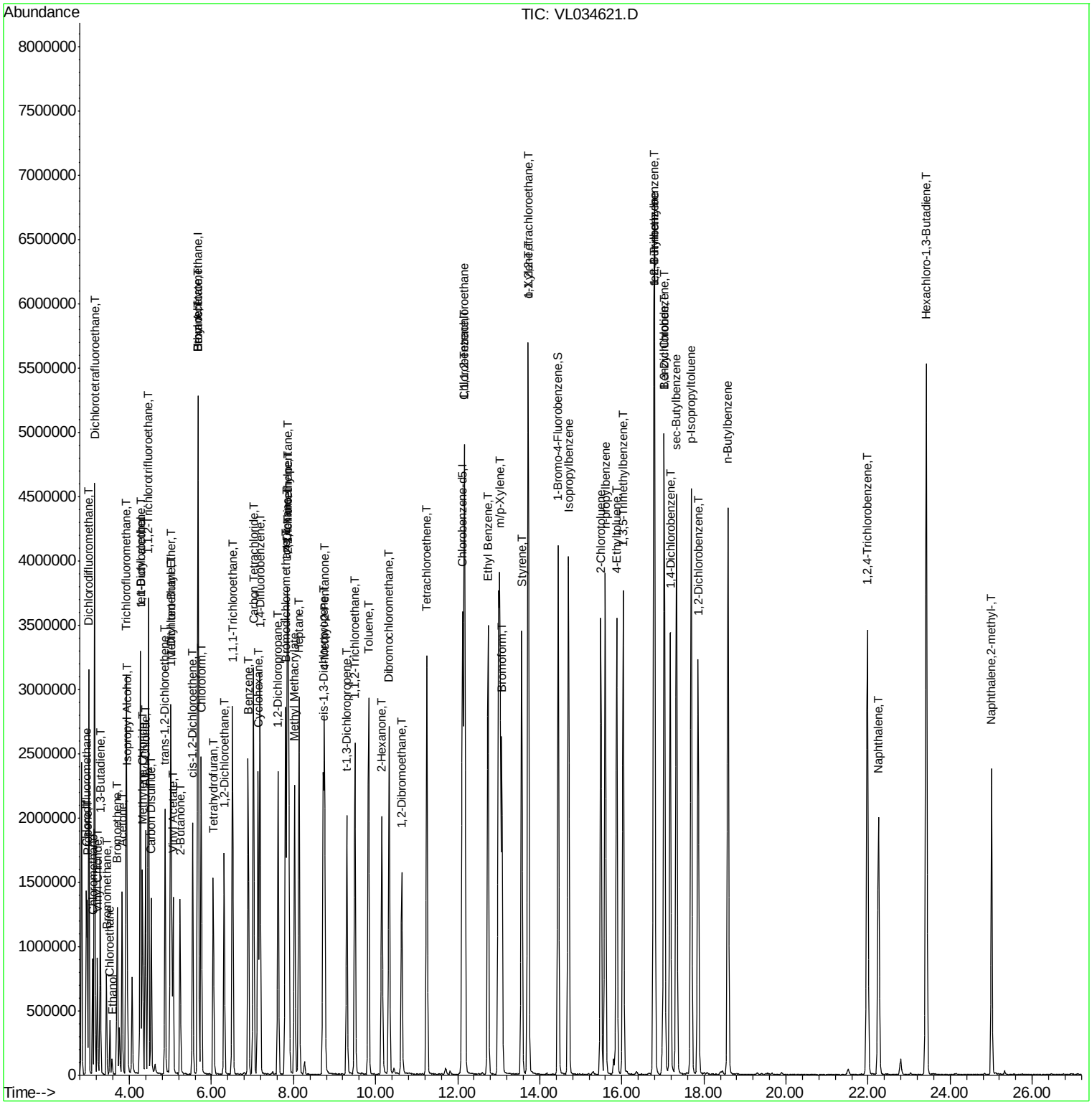
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021820\

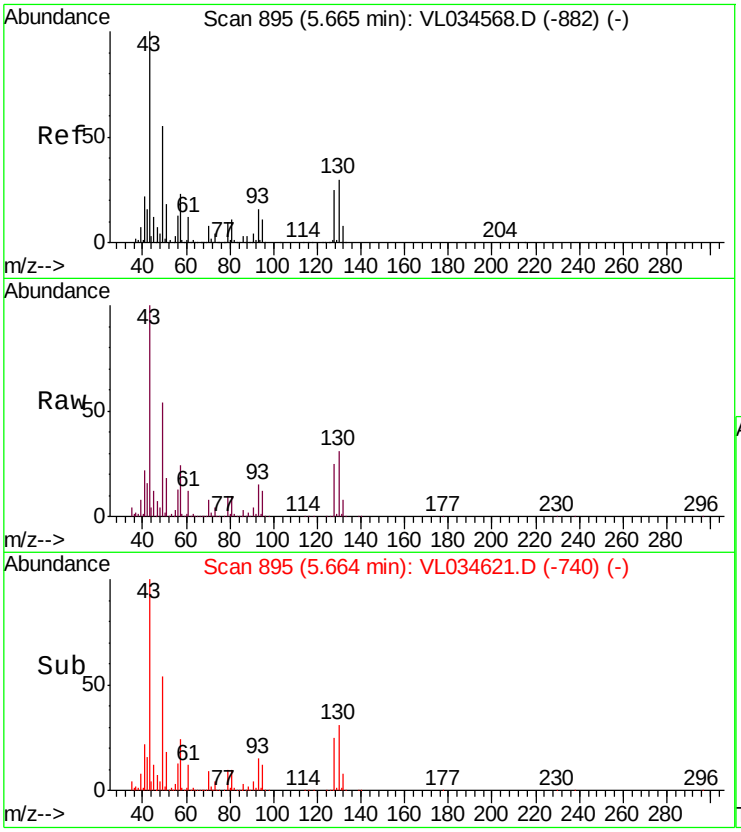
Quantitation Report (Not Reviewed)

Data File : VL034621.D
Acq On : 18 Feb 2020 12:12
Operator : SY/AP
Sample : VL0218ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Quant Time: Feb 19 06:02:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration



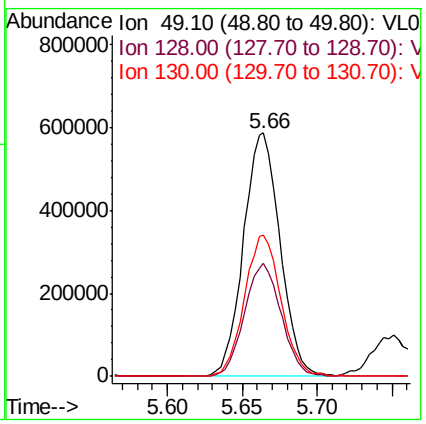


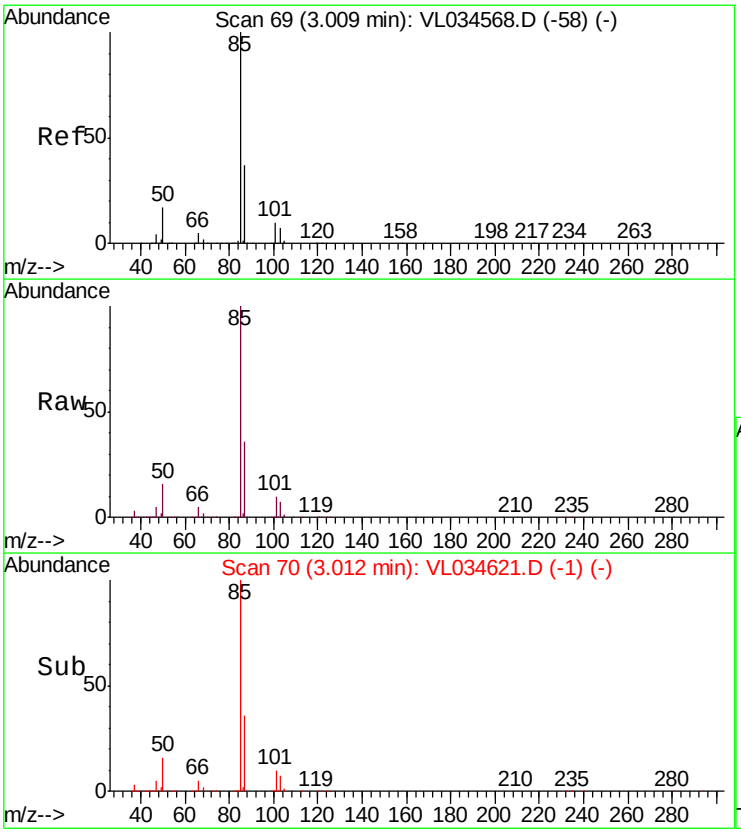
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion: 49 Resp: 1000225

Ion	Ratio	Lower	Upper
49	100		
128	46.6	22.7	68.1
130	58.3	28.6	85.8

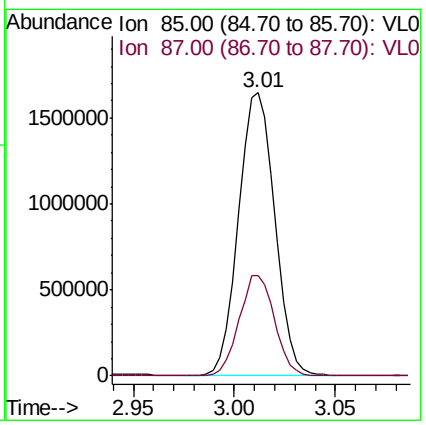


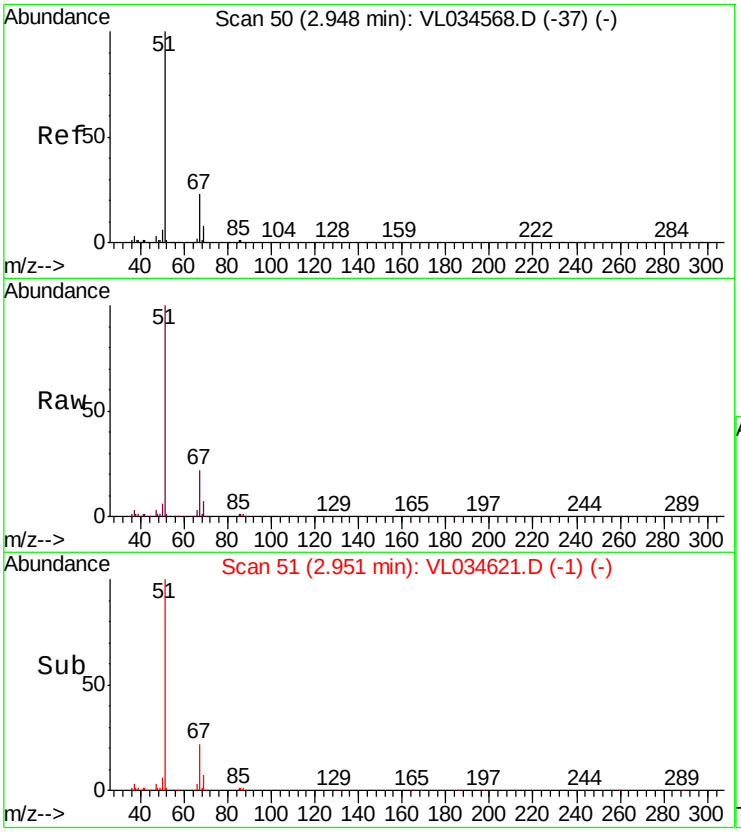


#2
Dichlorodifluoromethane
Concen: 9.459 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 85 Resp: 2083762

Ion	Ratio	Lower	Upper
85	100		
87	35.5	29.5	44.3



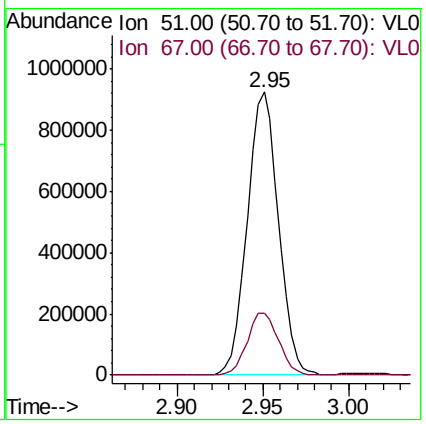


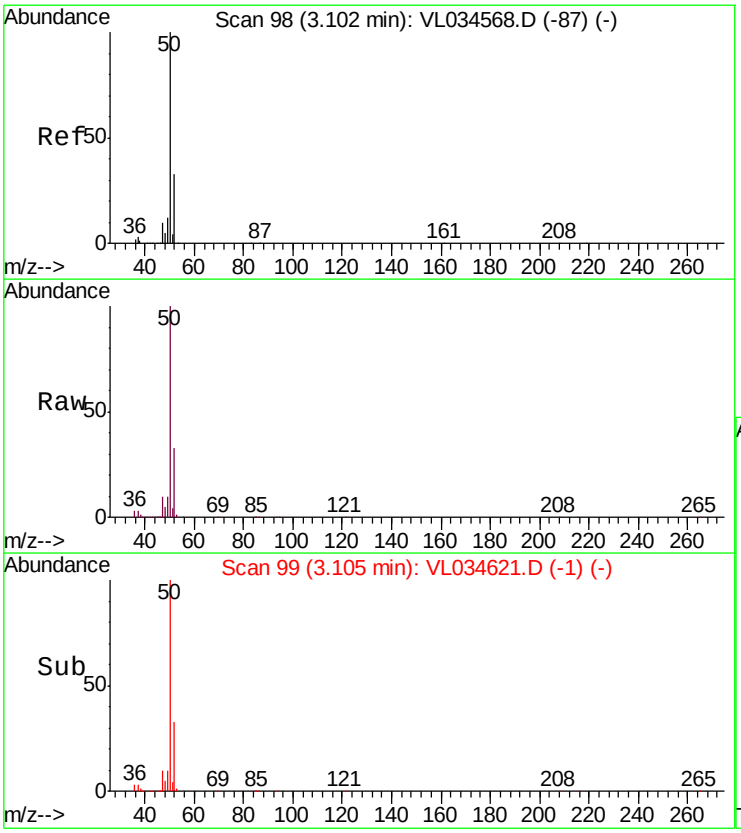
#3
Chlorodifluoromethane
Concen: 9.626 ppbv
RT: 2.95 min Scan# 51
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion: 51 Resp: 1163453

Ion	Ratio	Lower	Upper
51	100		
67	22.1	17.8	26.8

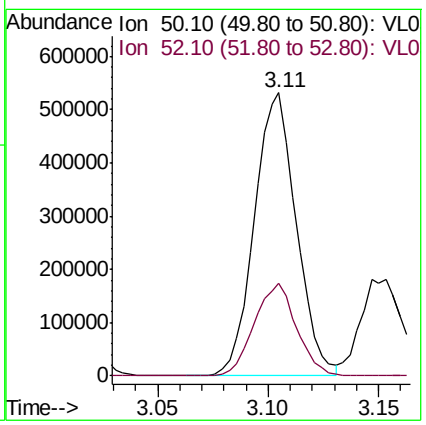


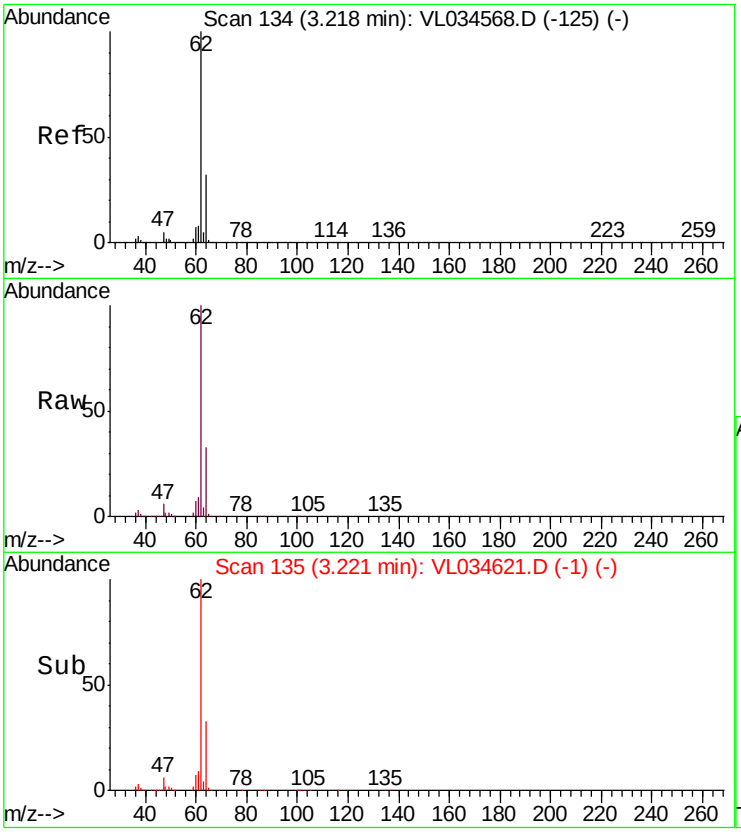


#4
Chloromethane
Concen: 9.486 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 50 Resp: 701435

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.6	39.8



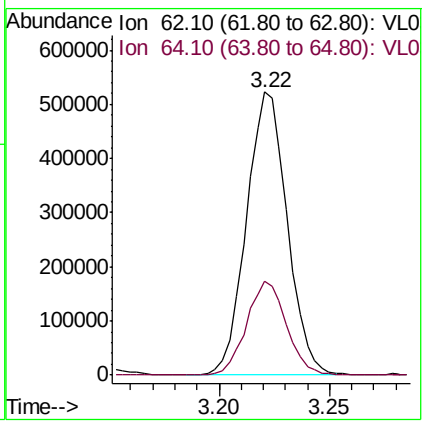


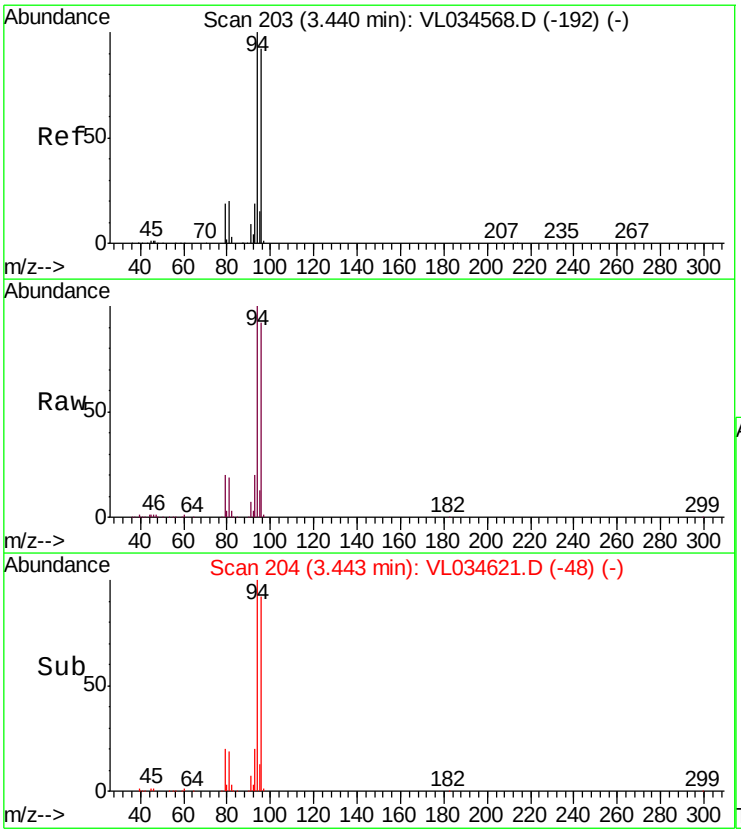
#5
Vinyl Chloride
Concen: 9.521 ppbv
RT: 3.22 min Scan# 135
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion: 62 Resp: 672469

Ion	Ratio	Lower	Upper
62	100		
64	33.2	25.8	38.6

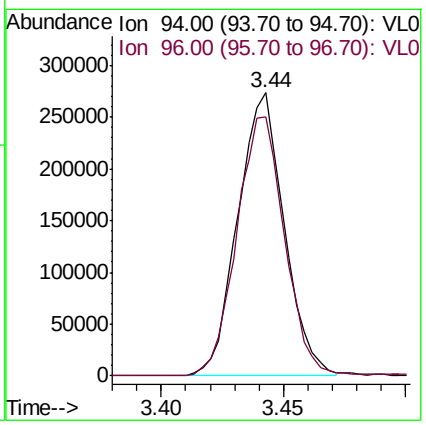


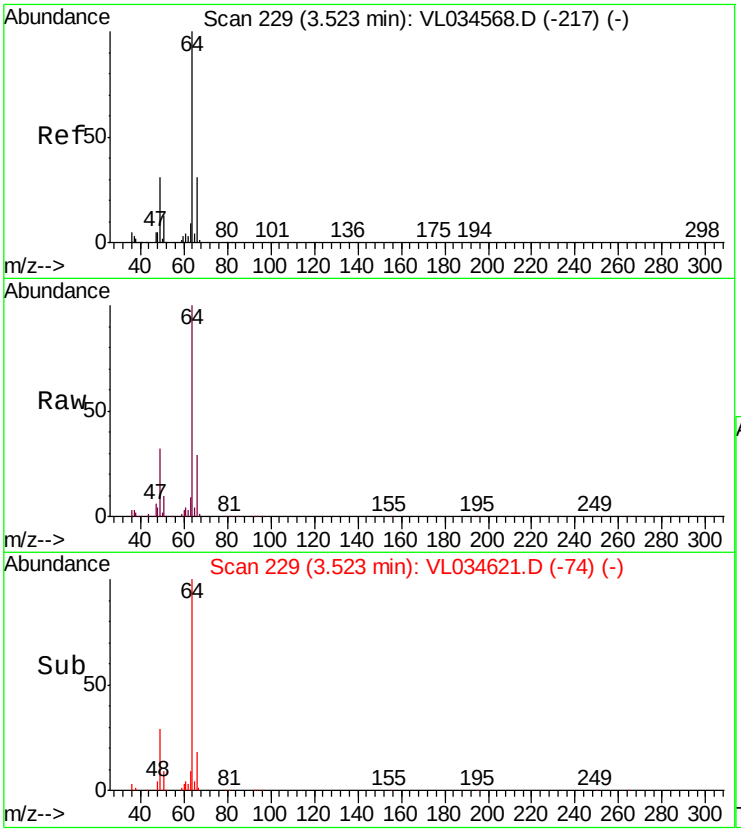


#6
Bromomethane
Concen: 9.791 ppbv
RT: 3.44 min Scan# 204
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 94 Resp: 359716

Ion	Ratio	Lower	Upper
94	100		
96	91.4	73.8	110.8



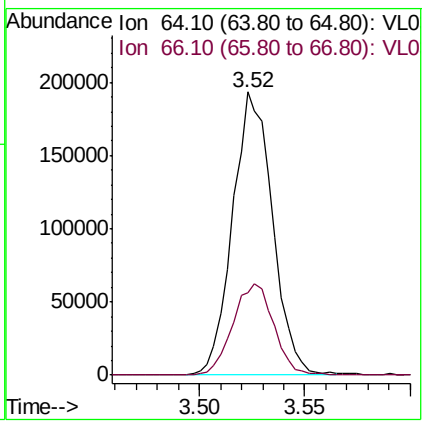


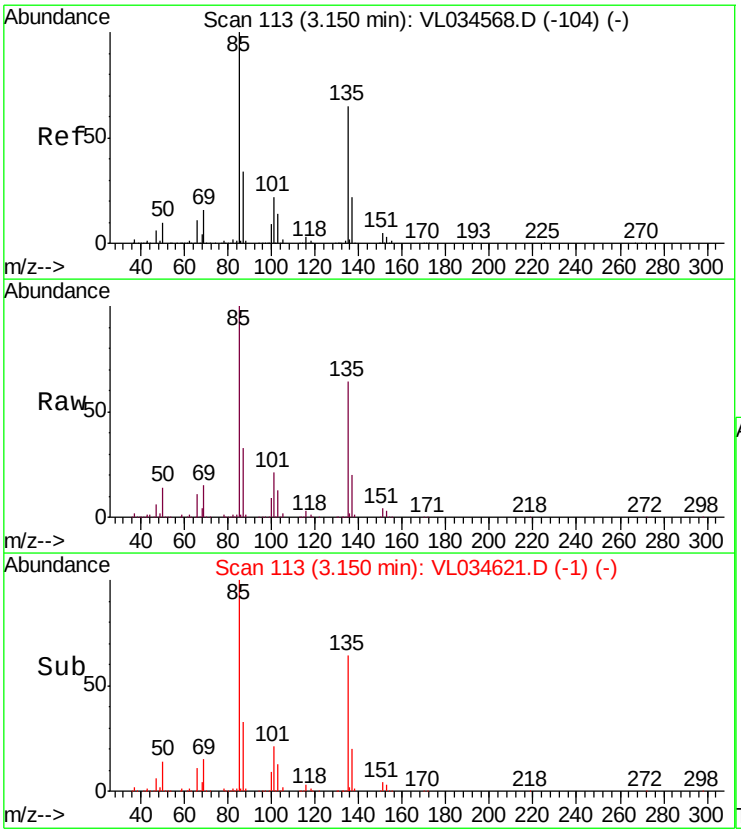
#7
Chloroethane
Concen: 9.642 ppbv
RT: 3.52 min Scan# 229
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion: 64 Resp: 253261

Ion	Ratio	Lower	Upper
64	100		
66	29.2	25.0	37.4

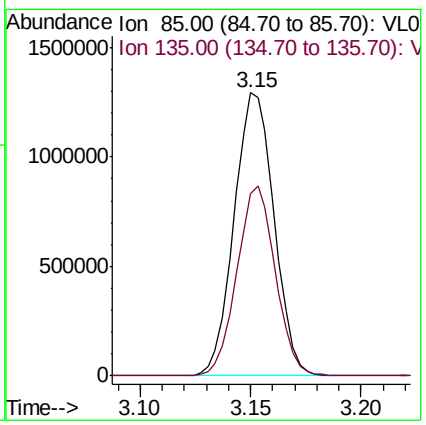


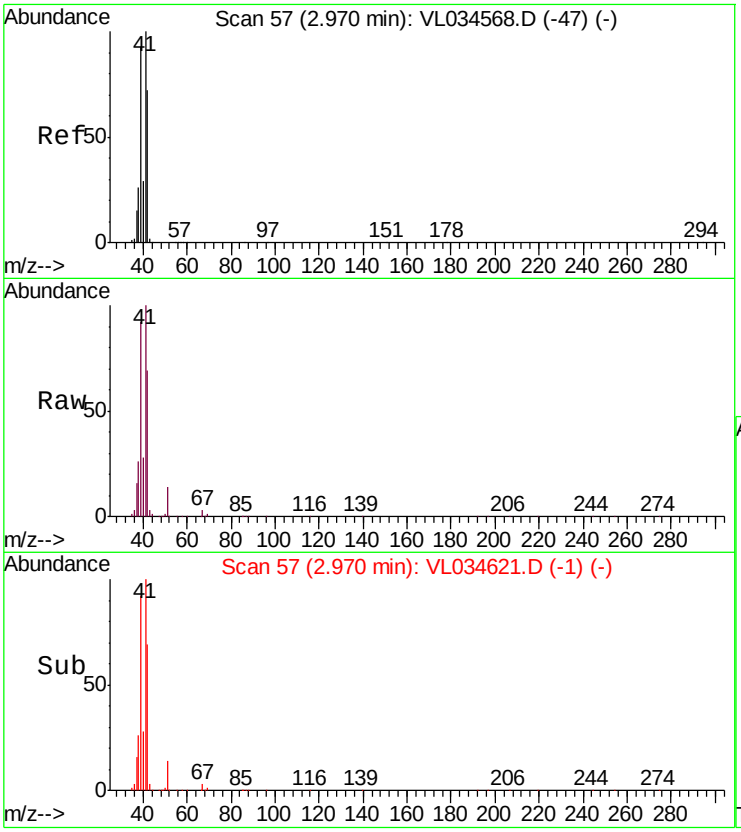


#8
Dichlorotetrafluoroethane
Concen: 9.484 ppbv
RT: 3.15 min Scan# 113
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 85 Resp: 1633181

Ion	Ratio	Lower	Upper
85	100		
135	64.7	52.2	78.2



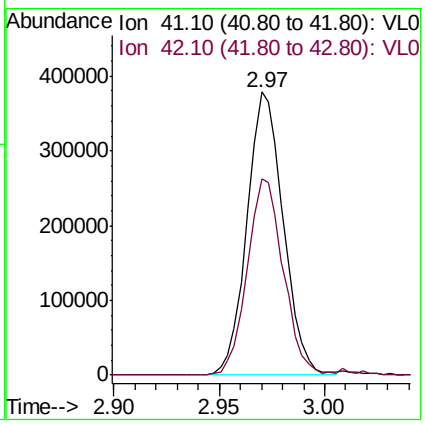


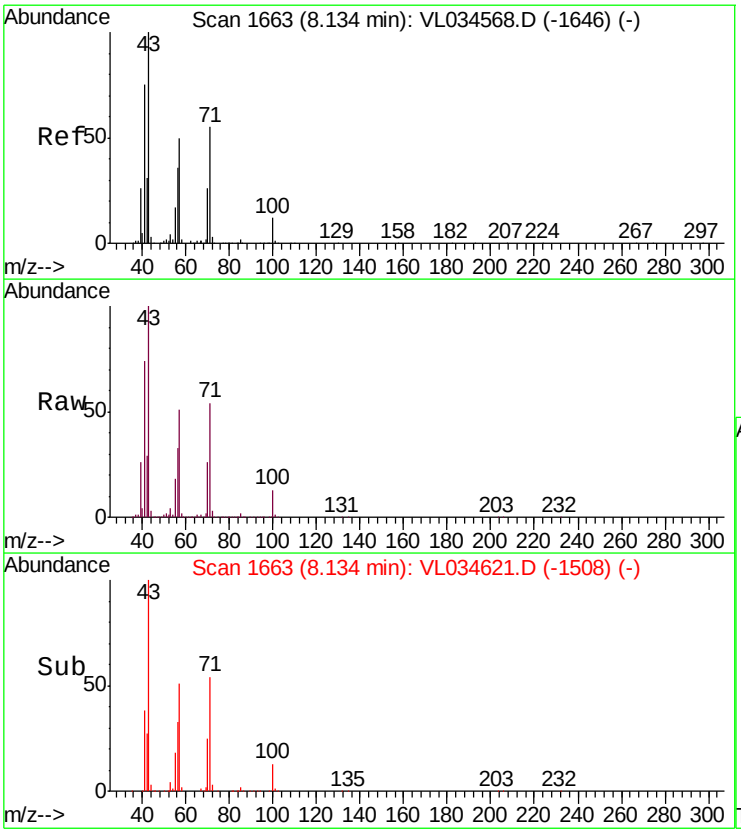
#9
Propene
Concen: 9.648 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion: 41 Resp: 453989

Ion	Ratio	Lower	Upper
41	100		
42	70.0	57.0	85.4

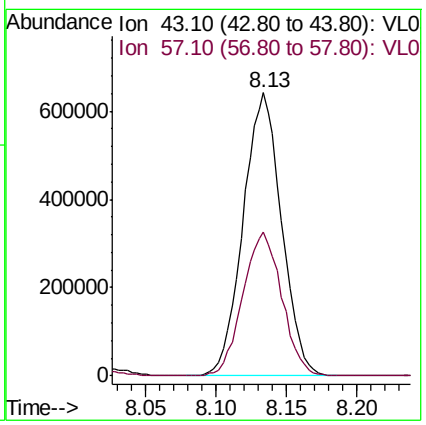


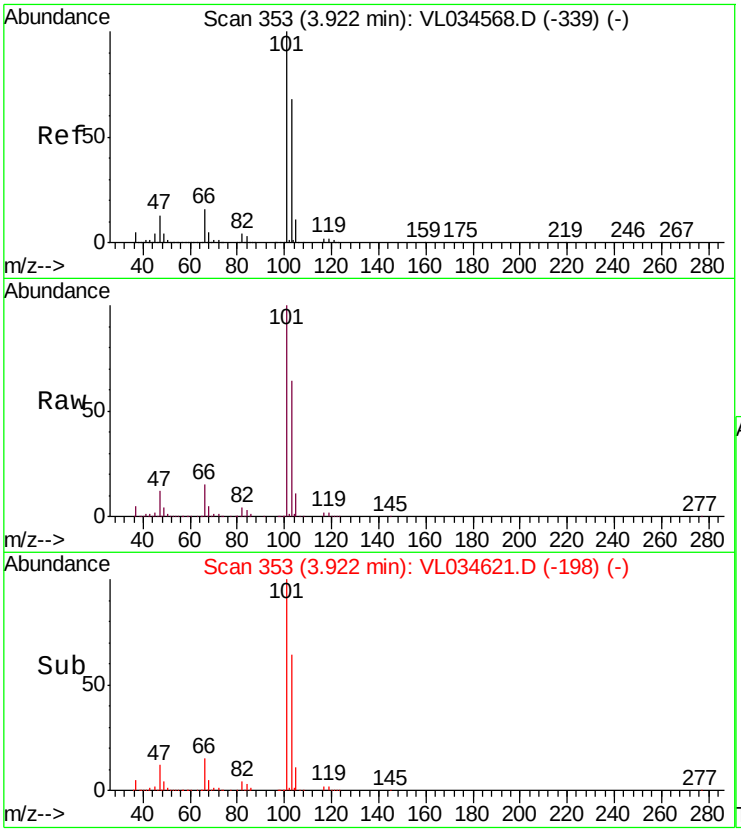


#10
Heptane
Concen: 10.305 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 43 Resp: 1220402

Ion	Ratio	Lower	Upper
43	100		
57	51.4	41.2	61.8



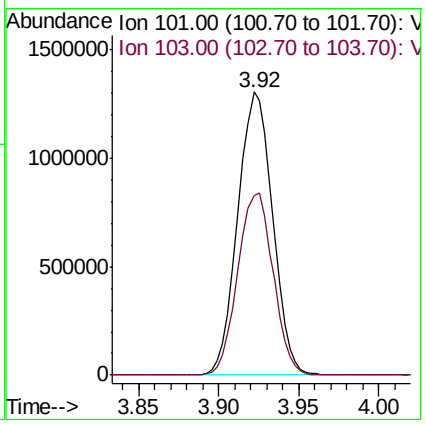


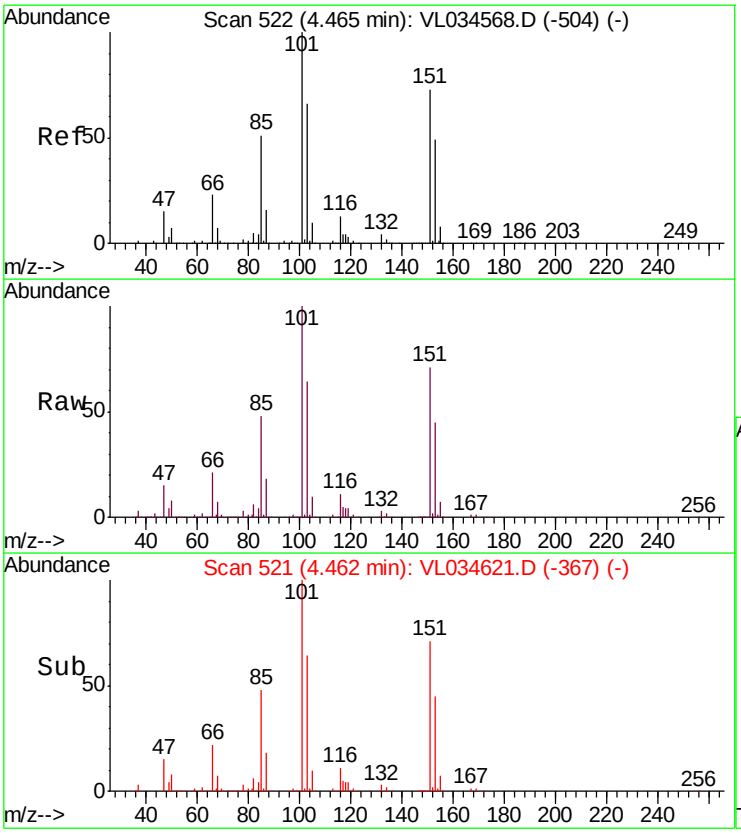
#11
Trichlorofluoromethane
Concen: 9.659 ppbv
RT: 3.92 min Scan# 353
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion:101 Resp: 1932999

Ion	Ratio	Lower	Upper
101	100		
103	63.7	54.4	81.6

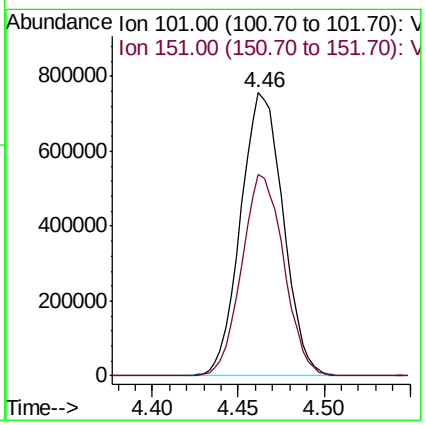


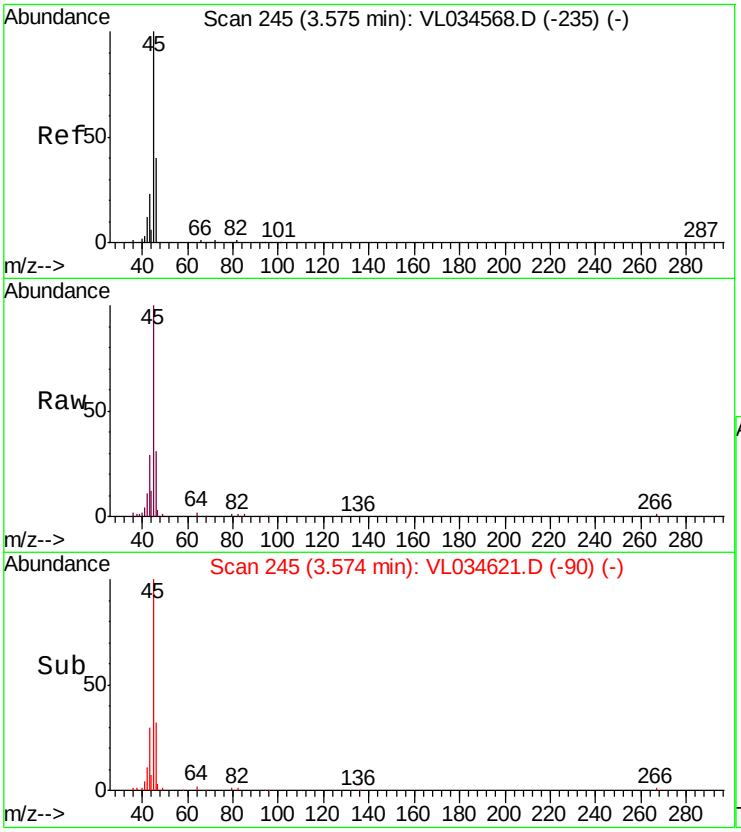


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.983 ppbv
RT: 4.46 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:101 Resp: 1303491

Ion	Ratio	Lower	Upper
101	100		
151	70.6	57.0	85.6



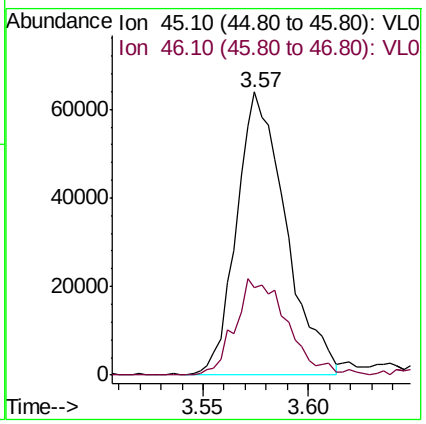


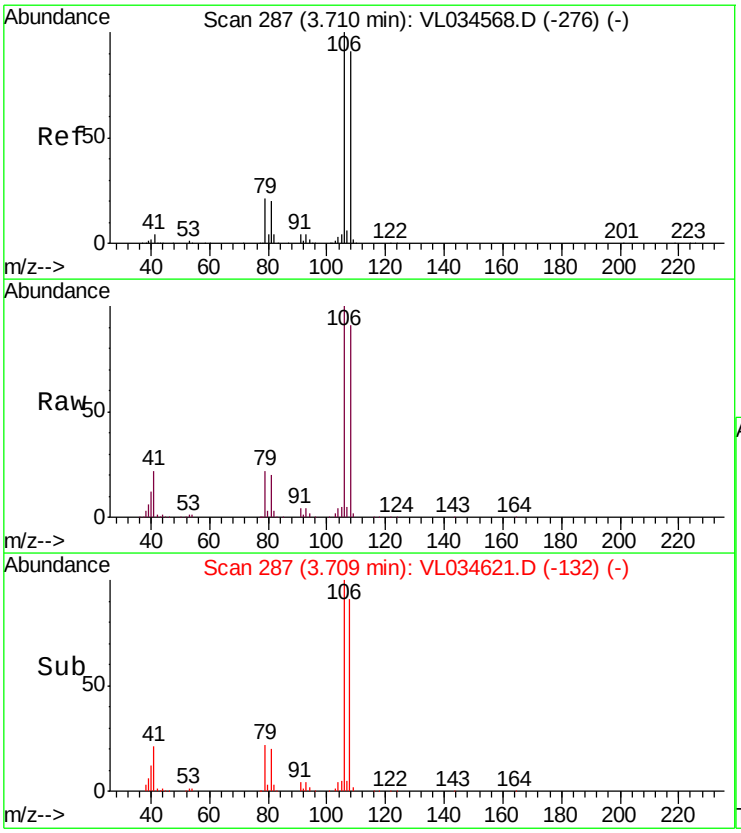
#13
Ethanol
Concen: 8.237 ppbv
RT: 3.57 min Scan# 245
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion: 45 Resp: 103819

Ion	Ratio	Lower	Upper
45	100		
46	36.1	14.8	59.2

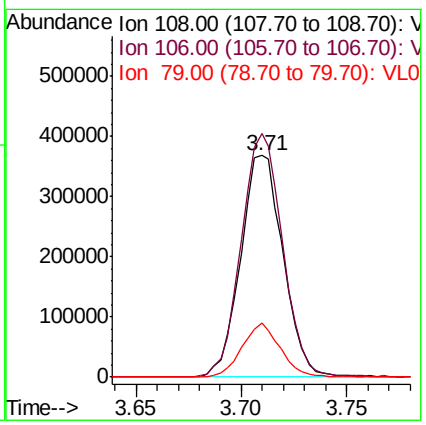


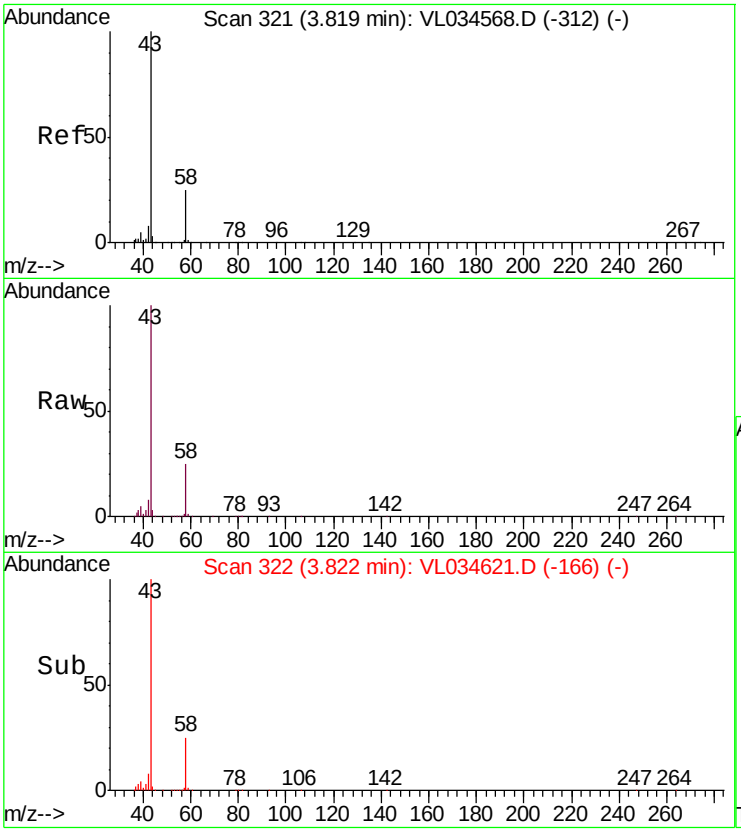


#14
Bromoethene
Concen: 10.080 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:108 Resp: 516318

Ion	Ratio	Lower	Upper
108	100		
106	107.7	84.6	127.0
79	22.4	18.2	27.2



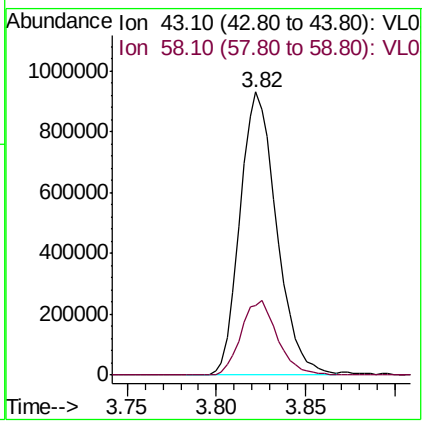


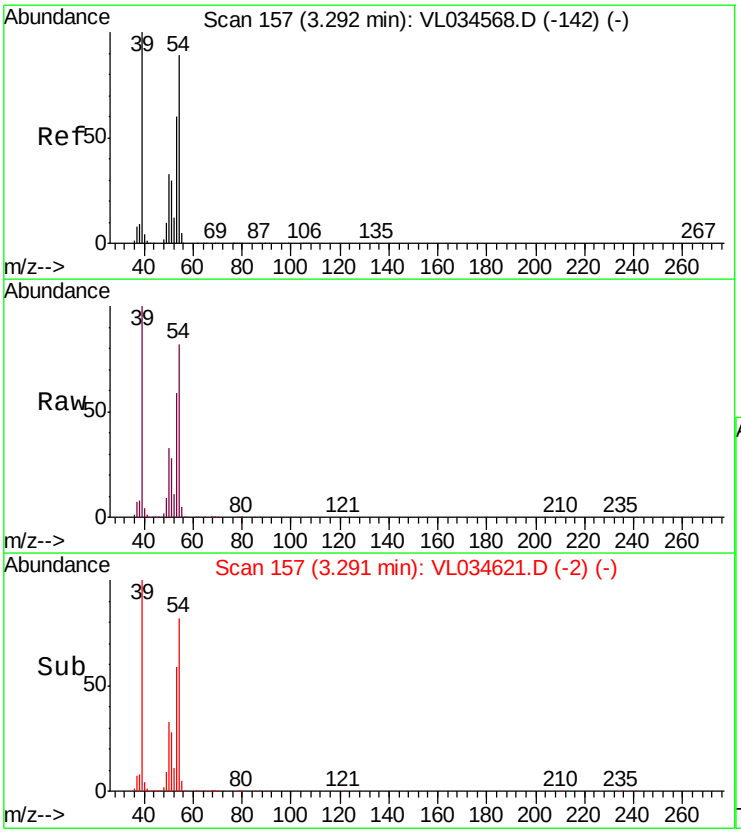
#15
Acetone
Concen: 9.052 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 43 Resp: 1330637

Ion	Ratio	Lower	Upper
43	100		
58	26.4	20.3	30.5

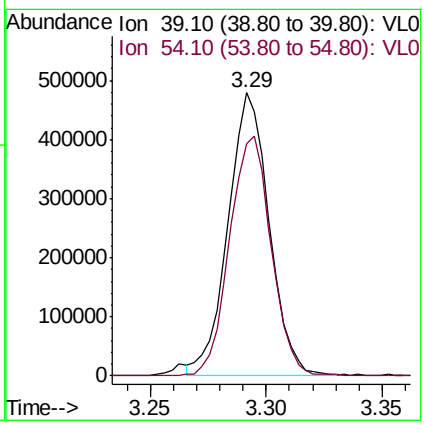


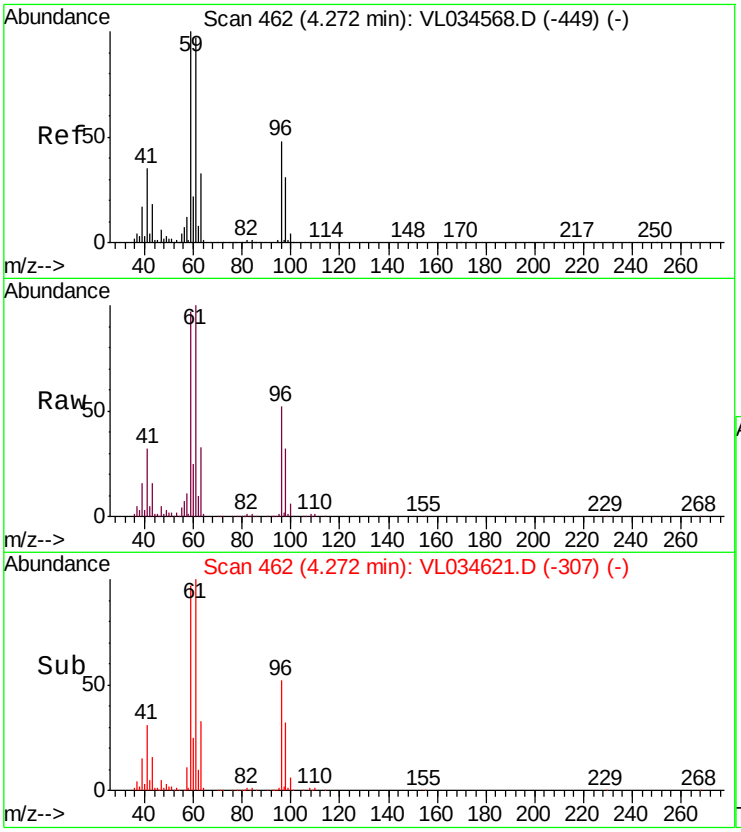


#16
1,3-Butadiene
Concen: 10.045 ppbv
RT: 3.29 min Scan# 157
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 39 Resp: 586409

Ion	Ratio	Lower	Upper
39	100		
54	86.3	66.7	100.1



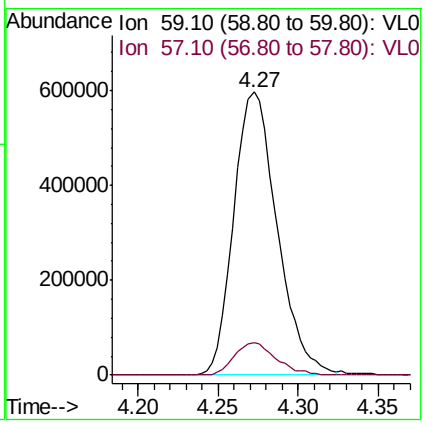


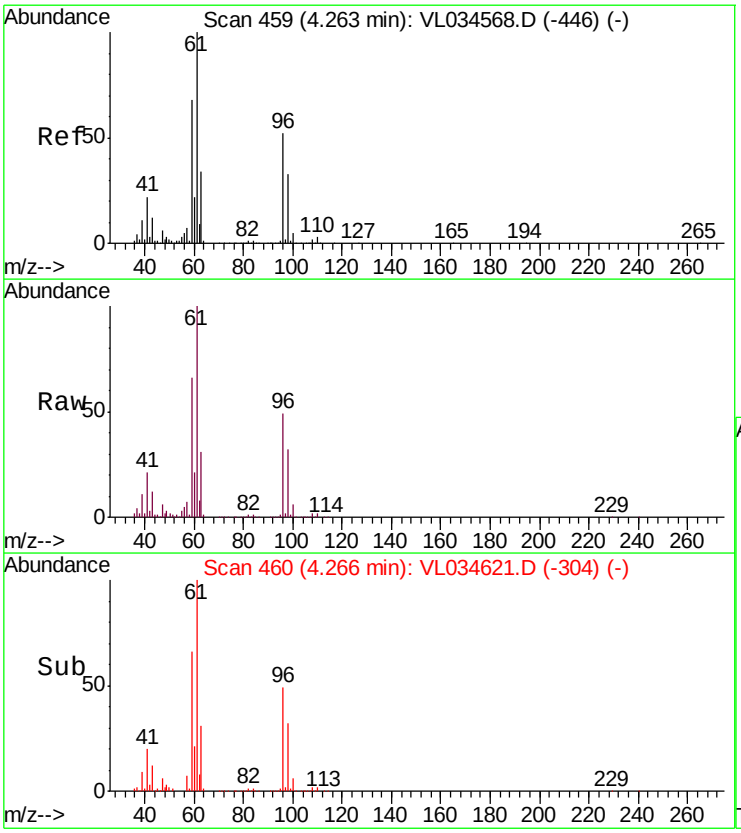
#17
tert-Butyl alcohol
Concen: 10.215 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion: 59 Resp: 1104349

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.7	13.1

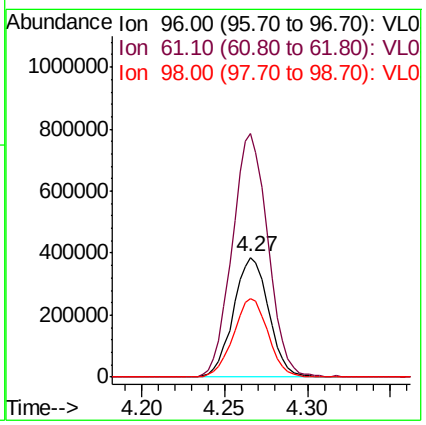


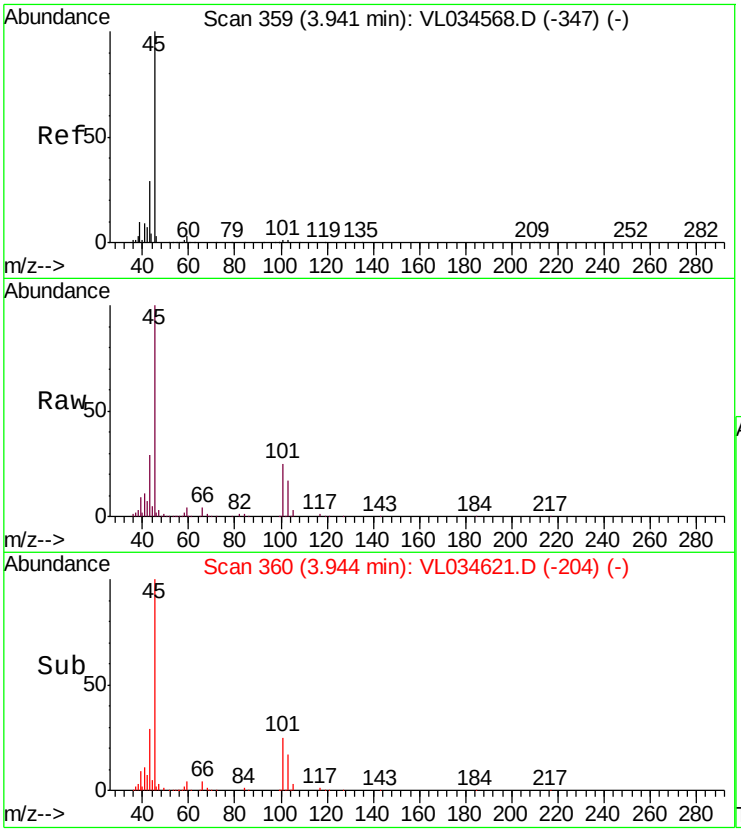


#18
1,1-Dichloroethene
Concen: 10.370 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 96 Resp: 571586

Ion	Ratio	Lower	Upper
96	100		
61	203.7	154.5	231.7
98	65.2	50.3	75.5



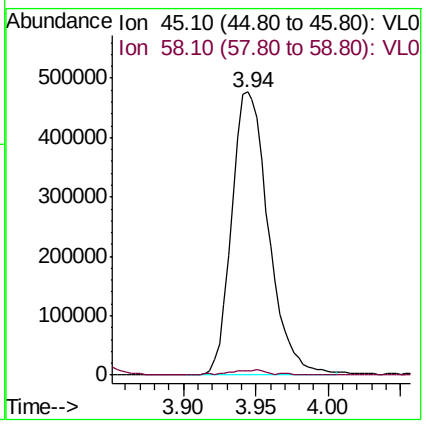


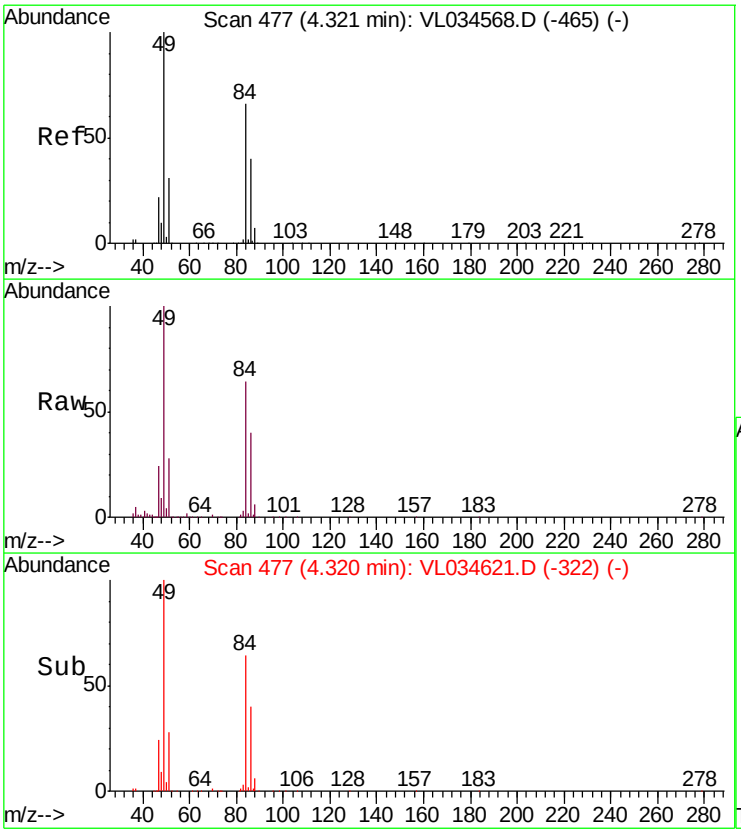
#19
Isopropyl Alcohol
Concen: 9.811 ppbv
RT: 3.94 min Scan# 360
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 45 Resp: 841671

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.7	2.5

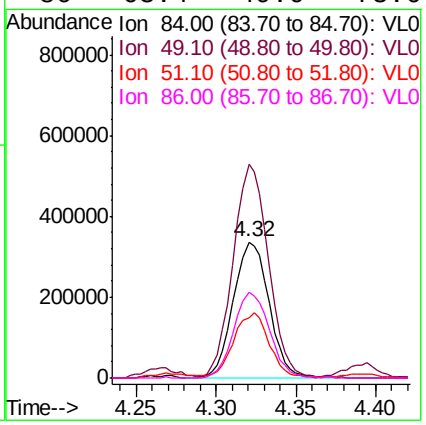


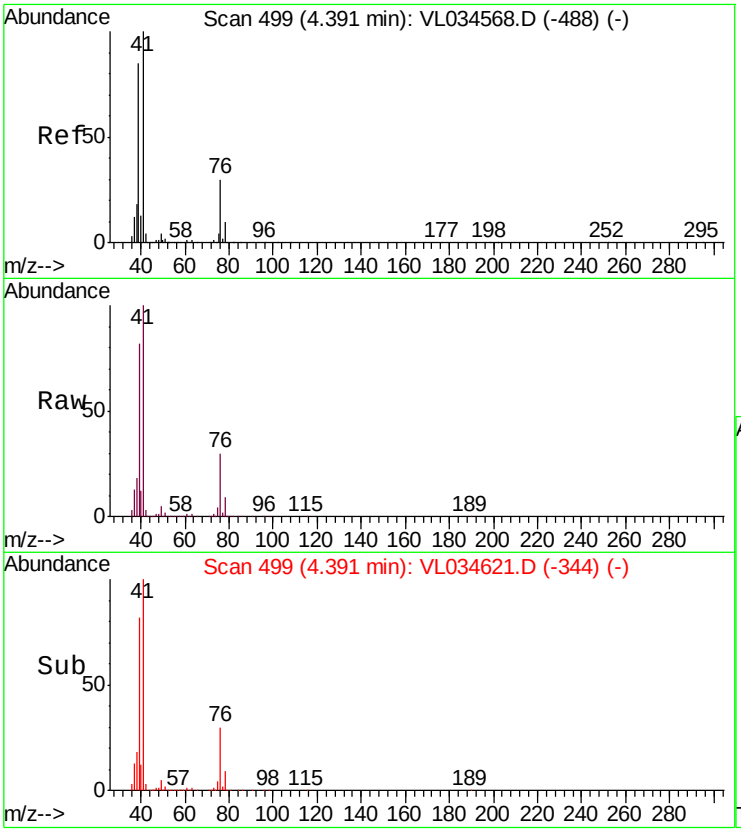


#20
Methylene Chloride
Concen: 9.075 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 84 Resp: 507961

Ion	Ratio	Lower	Upper
84	100		
49	155.5	122.4	183.6
51	42.8	38.6	57.8
86	63.4	49.0	73.6



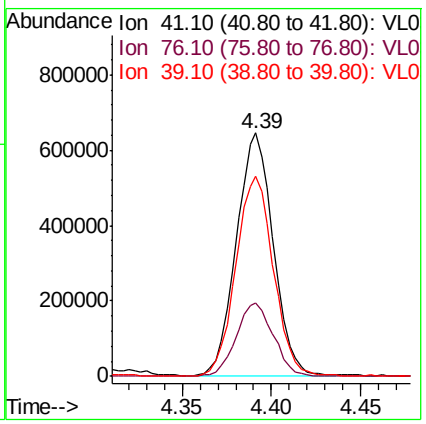


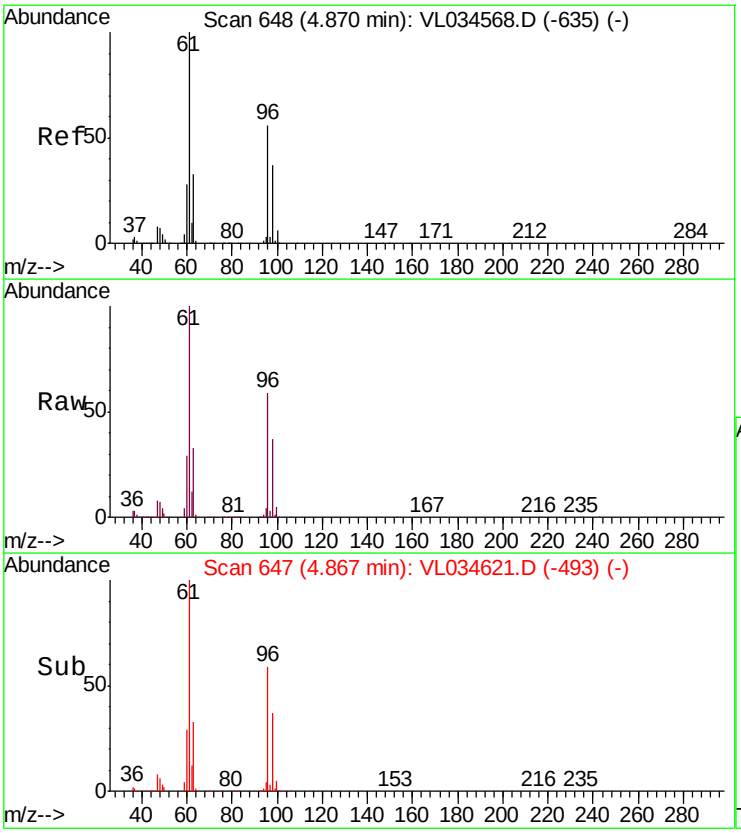
#21
Allyl Chloride
Concen: 10.223 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 41 Resp: 933345

Ion	Ratio	Lower	Upper
41	100		
76	30.5	24.2	36.2
39	83.8	68.3	102.5

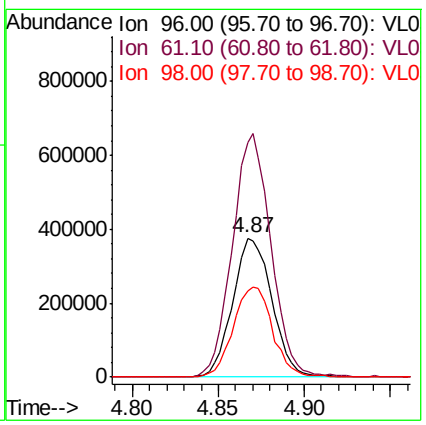


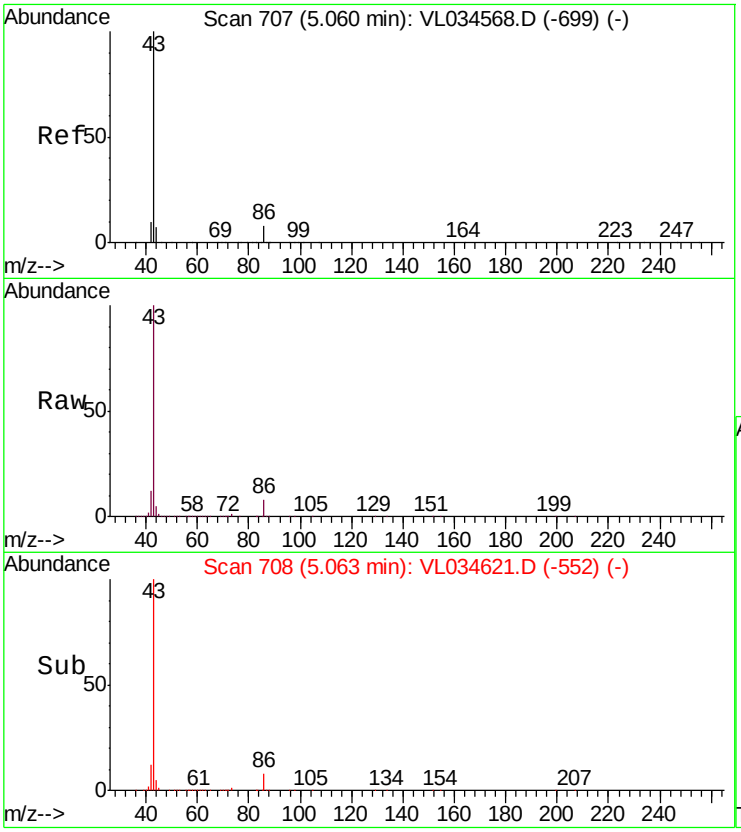


#22
trans-1,2-Dichloroethene
Concen: 10.300 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 96 Resp: 594611

Ion	Ratio	Lower	Upper
96	100		
61	169.0	141.9	212.9
98	61.9	53.1	79.7



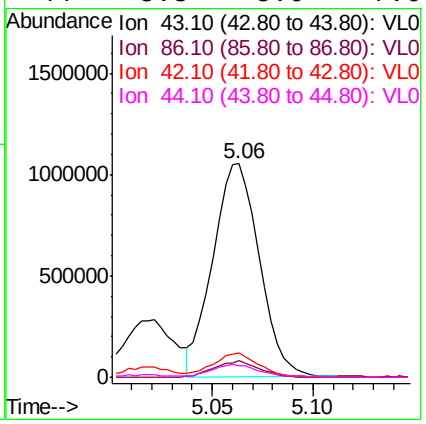


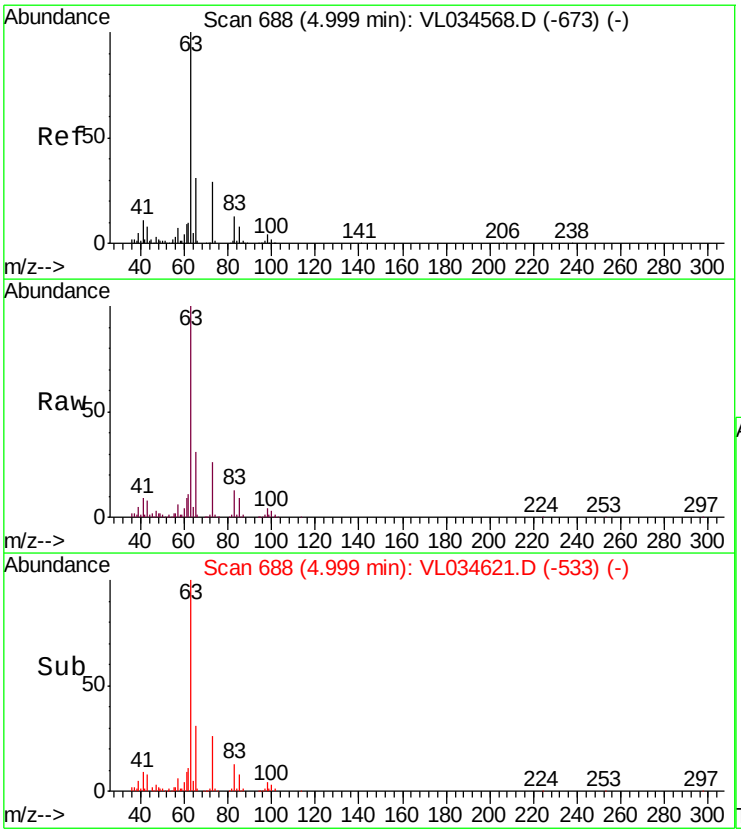
#23
Vinyl Acetate
Concen: 10.056 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 43 Resp: 1686491

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.9	8.9
42	11.5	8.8	13.2
44	5.3	5.0	7.6

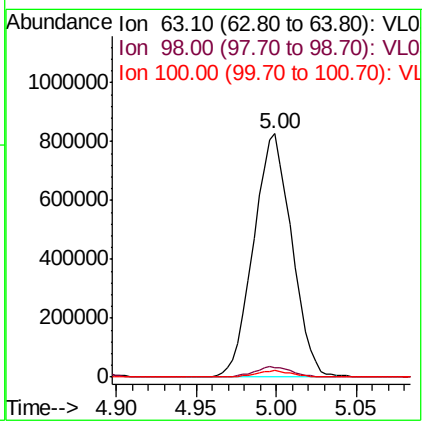


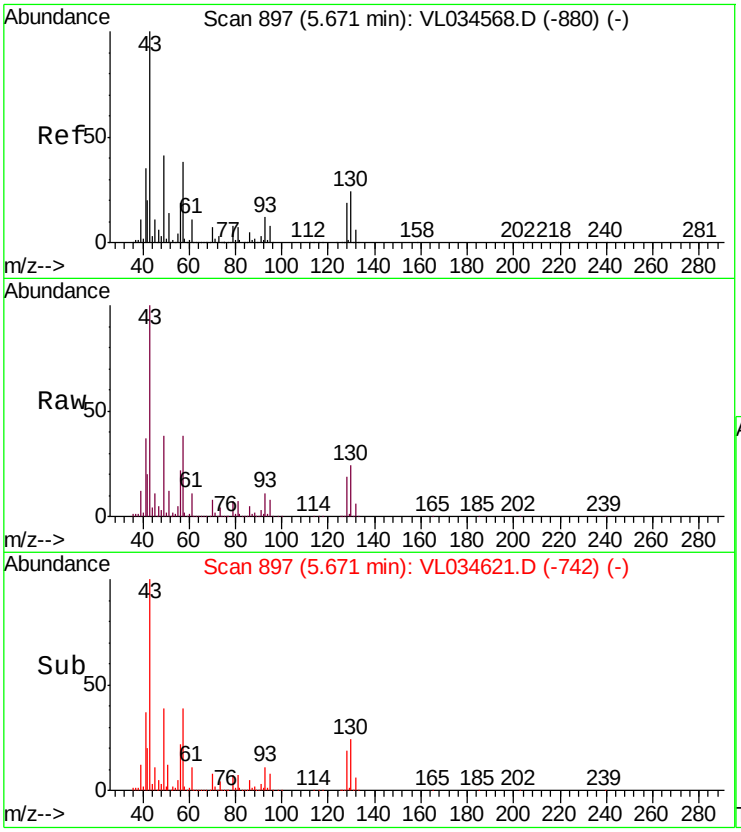


#24
1,1-Dichloroethane
Concen: 9.675 ppbv
RT: 5.00 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 63 Resp: 1354755

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.2
100	2.6	1.1	3.5



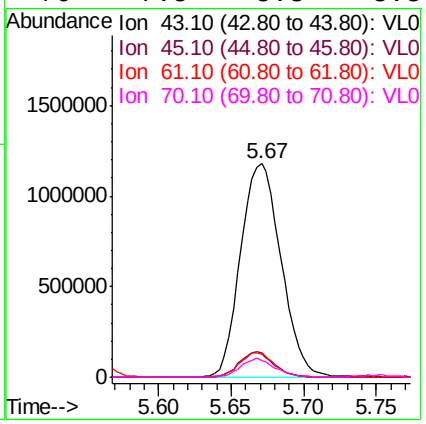


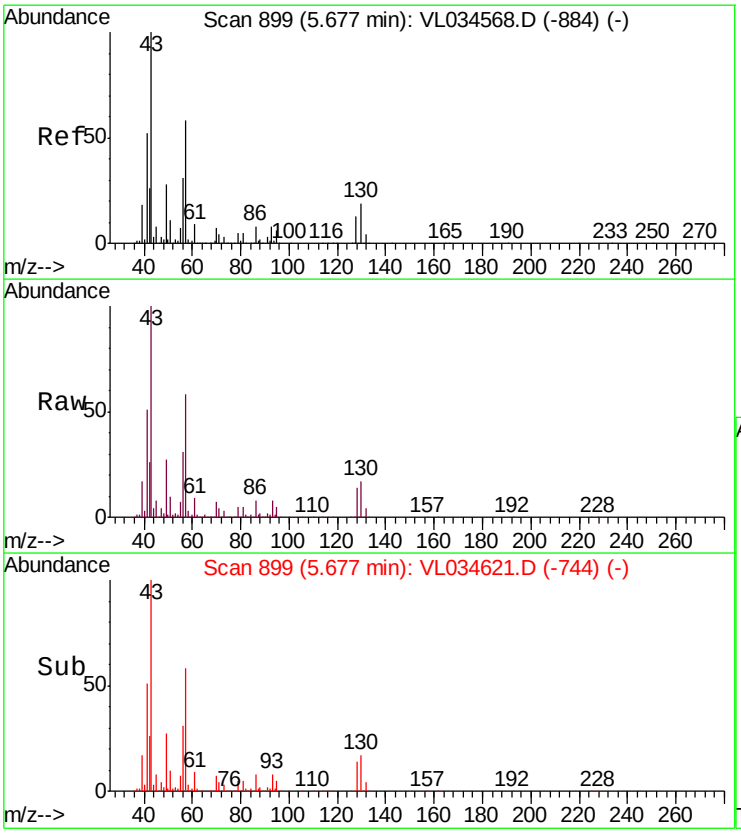
#25
Ethyl Acetate
Concen: 9.591 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 43 Resp: 2282502

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.5	12.7
61	10.0	7.8	11.6
70	7.5	5.8	8.8

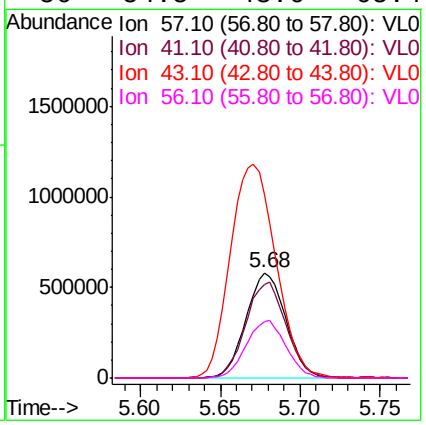


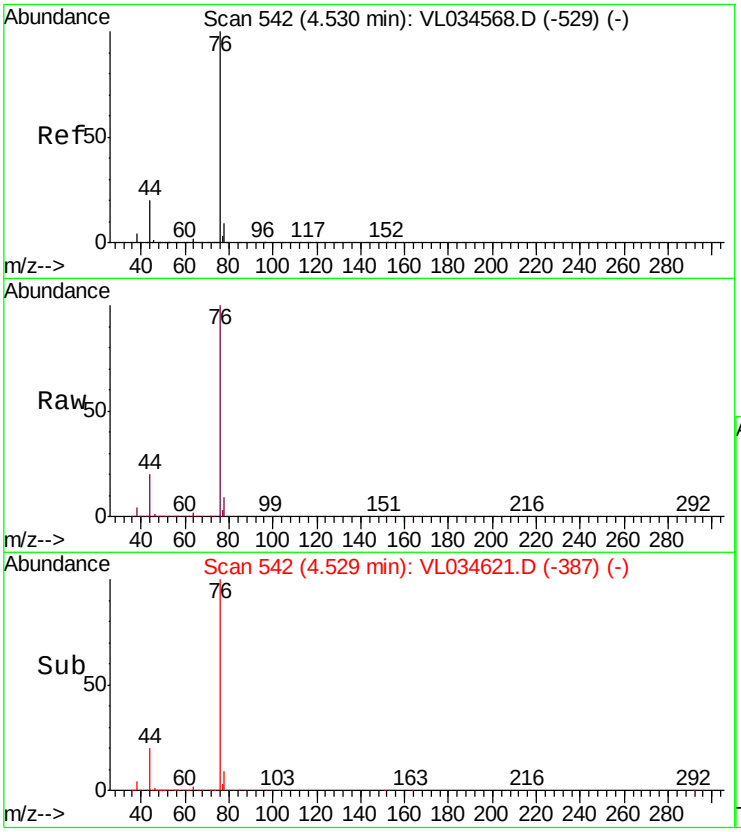


#26
Hexane
Concen: 9.849 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 57 Resp: 981769

Ion	Ratio	Lower	Upper
57	100		
41	93.7	76.2	114.2
43	233.3	189.9	284.9
56	54.5	43.6	65.4



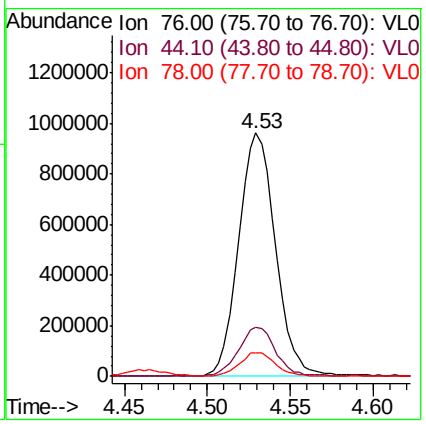


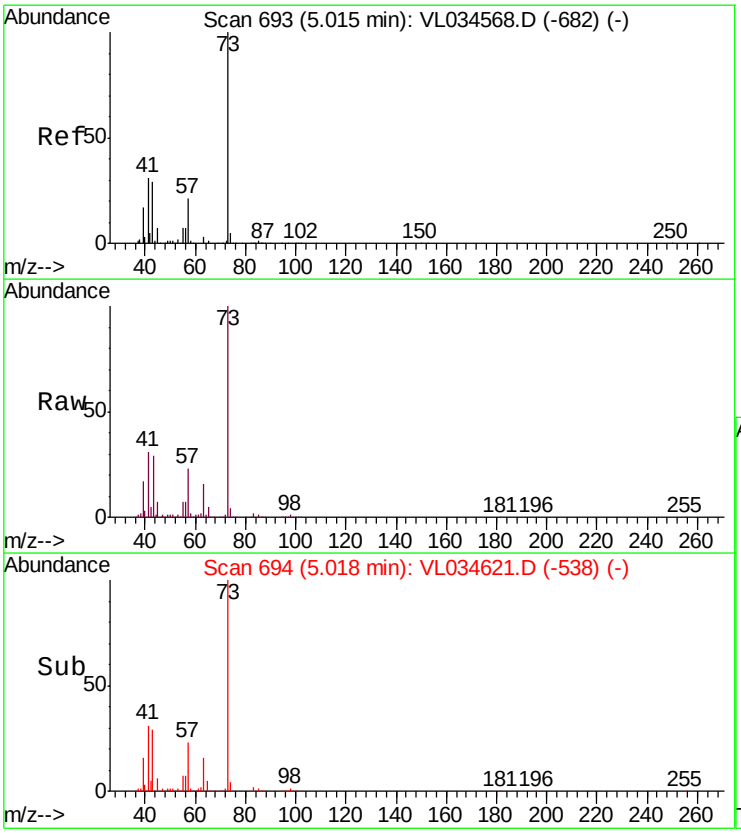
#27
Carbon Disulfide
Concen: 11.027 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 76 Resp: 1483199

Ion	Ratio	Lower	Upper
76	100		
44	19.9	16.3	24.5
78	9.5	7.4	11.2

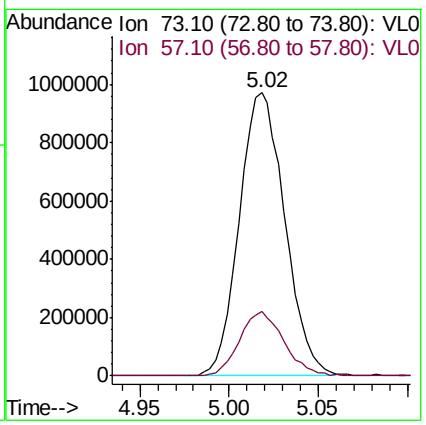


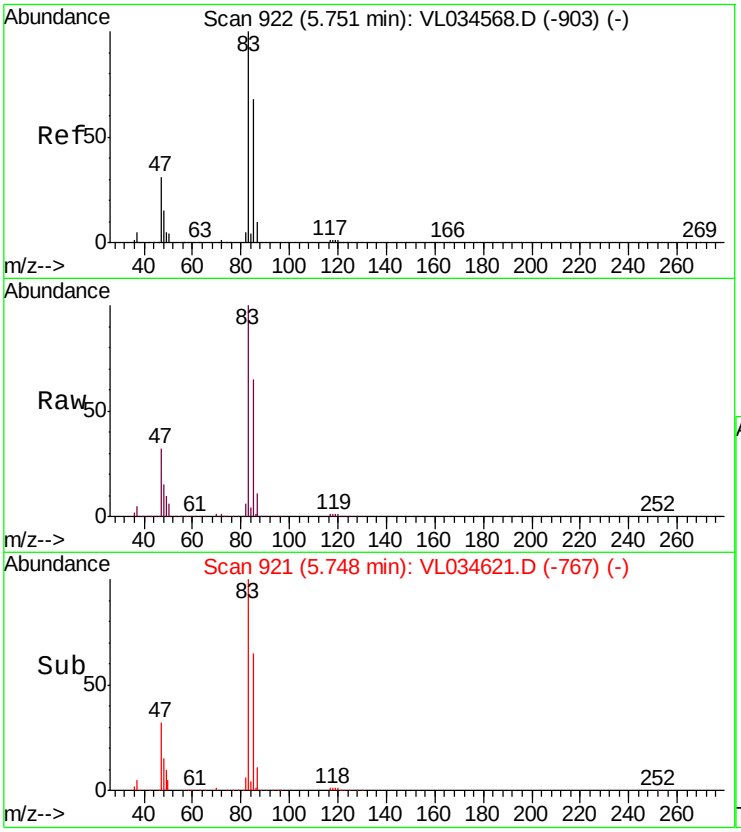


#28
Methyl tert-Butyl Ether
Concen: 10.209 ppbv
RT: 5.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 73 Resp: 1735514

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9



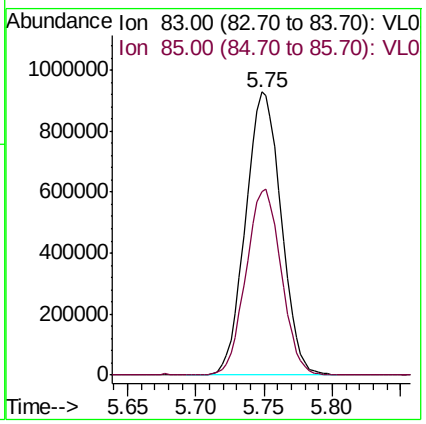


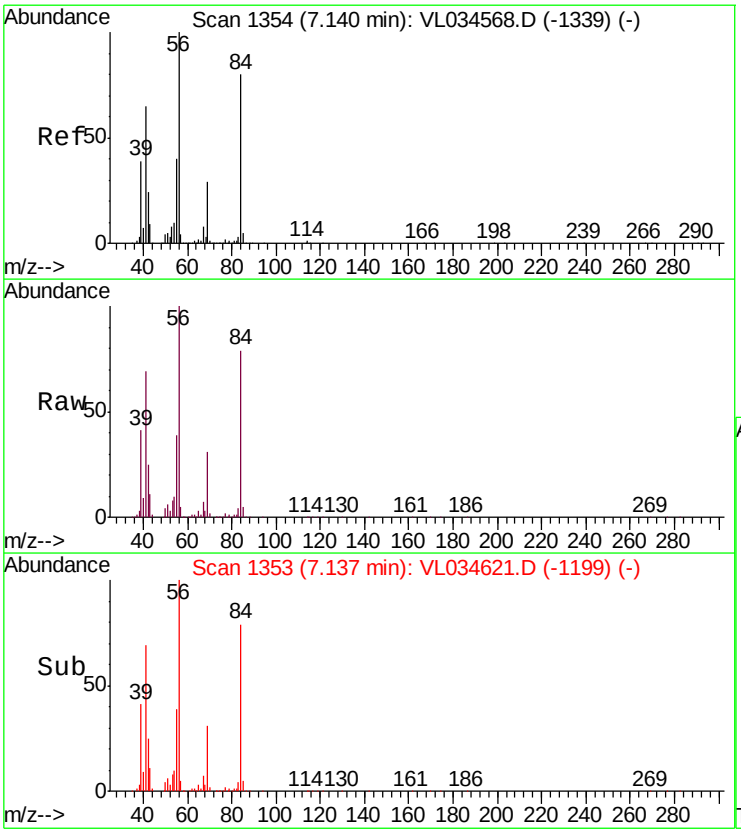
#29
Chloroform
Concen: 9.564 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 83 Resp: 1685853

Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.0	81.0

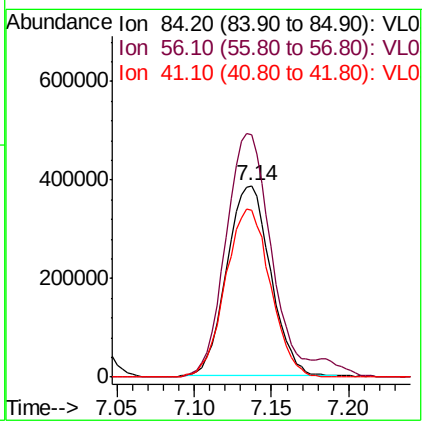


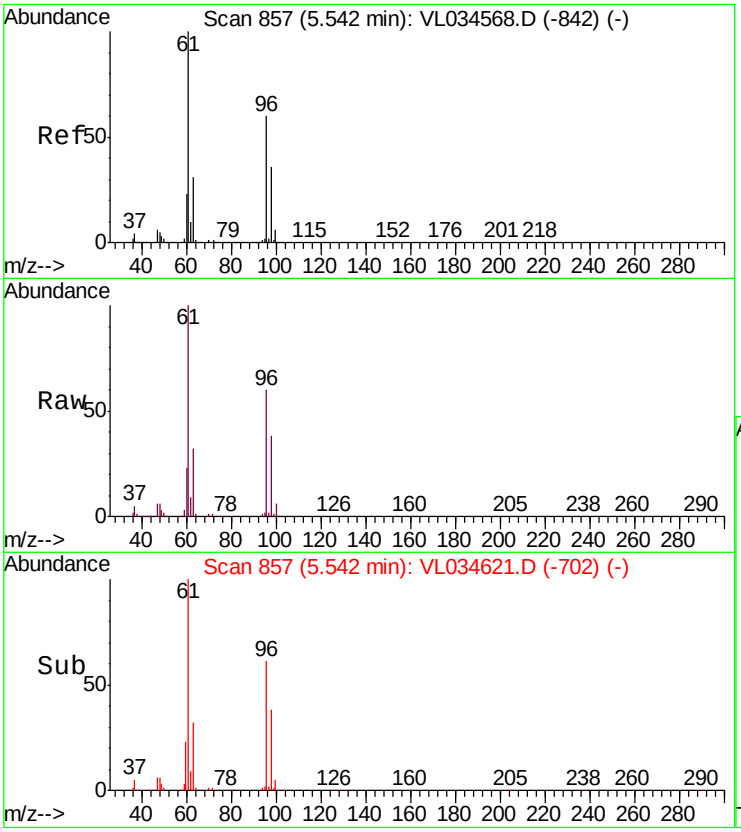


#30
Cyclohexane
Concen: 10.289 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 84 Resp: 760023

Ion	Ratio	Lower	Upper
84	100		
56	138.1	110.5	165.7
41	90.9	71.9	107.9



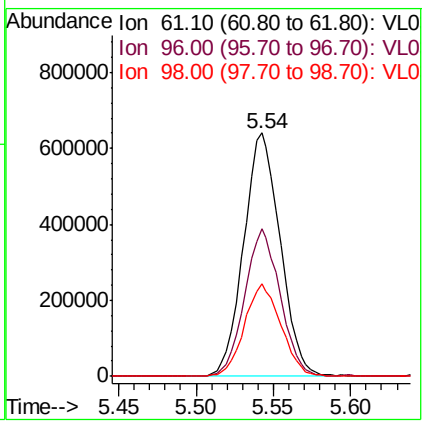


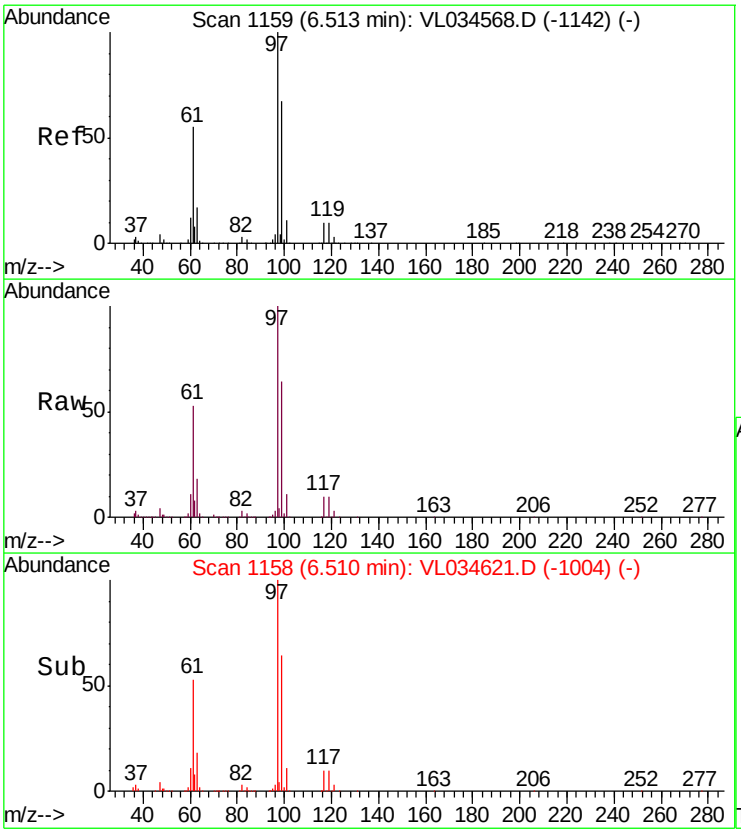
#31
cis-1,2-Dichloroethene
Concen: 10.183 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion: 61 Resp: 1054668

Ion	Ratio	Lower	Upper
61	100		
96	60.5	48.0	72.0
98	38.1	28.6	43.0

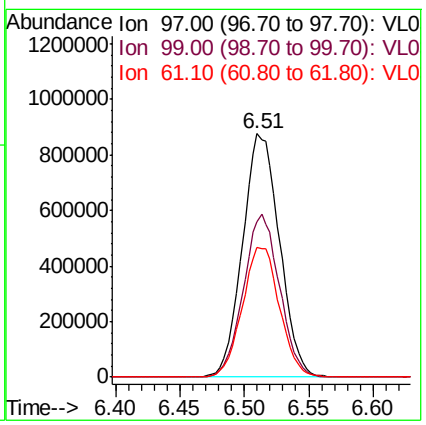


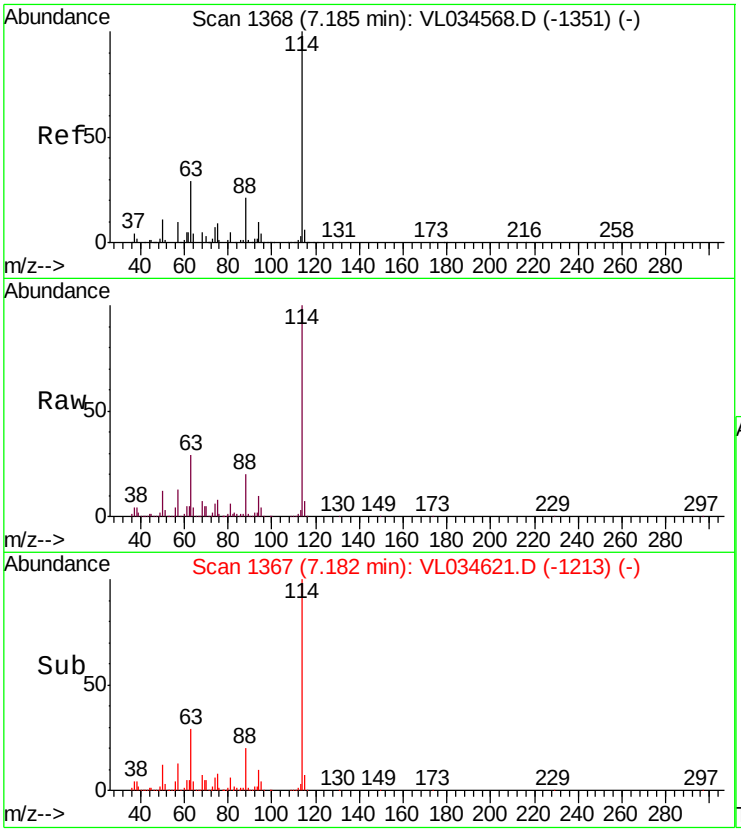


#32
1,1,1-Trichloroethane
Concen: 9.263 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 97 Resp: 1753222

Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.2	78.2
61	53.8	43.0	64.4



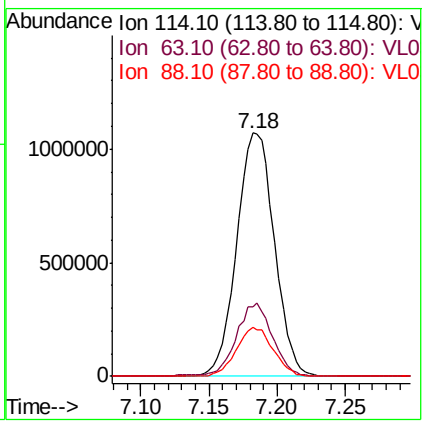


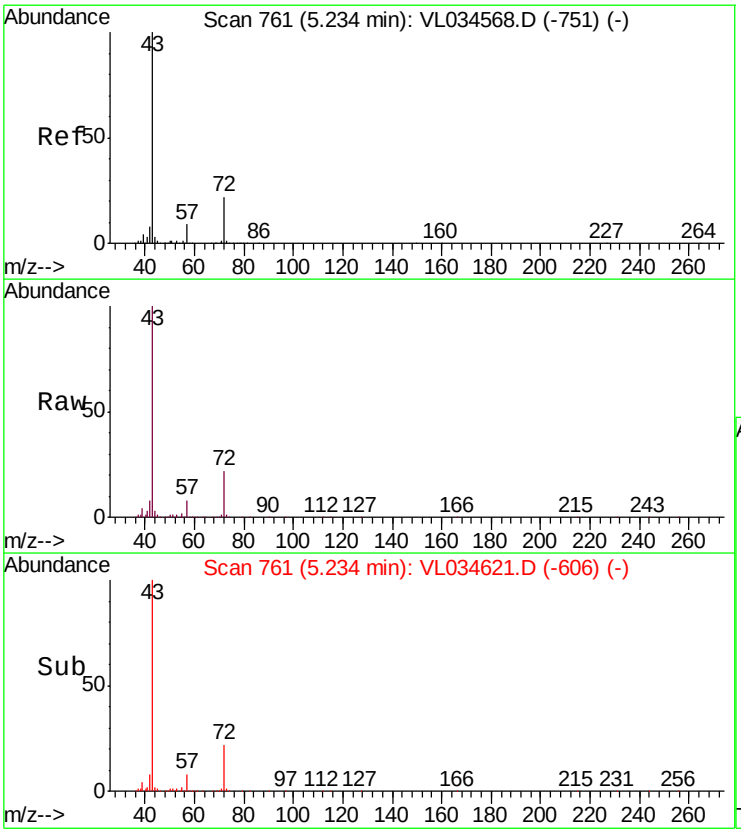
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion:114 Resp: 2052213

Ion	Ratio	Lower	Upper
114	100		
63	29.3	24.1	36.1
88	19.5	15.9	23.9

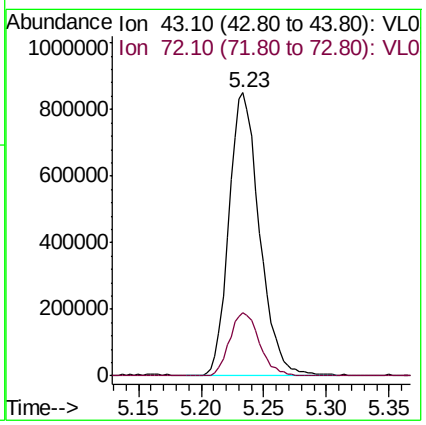


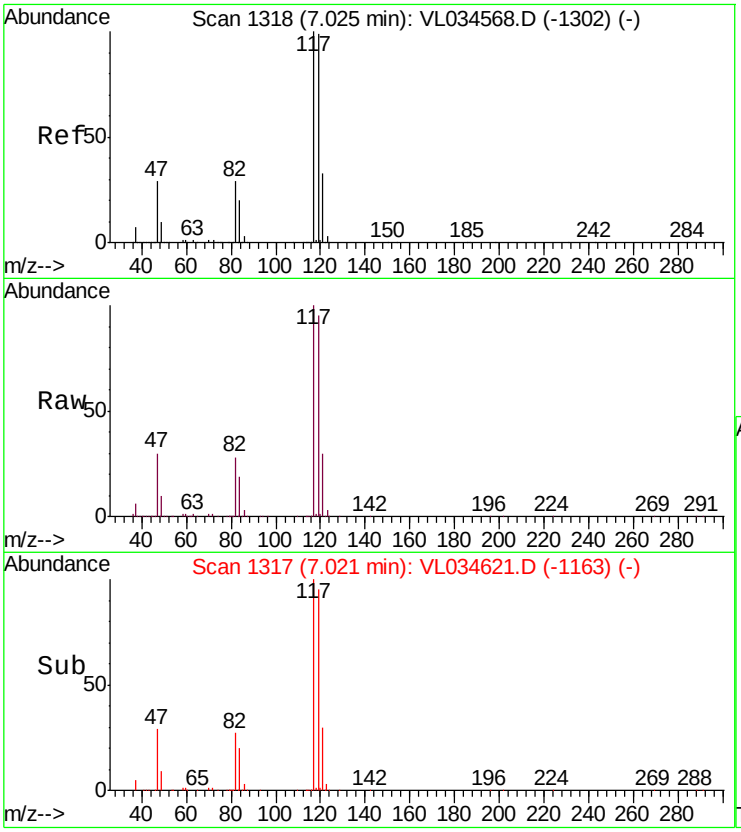


#34
2-Butanone
Concen: 9.646 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 43 Resp: 1437364

Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.2	25.8



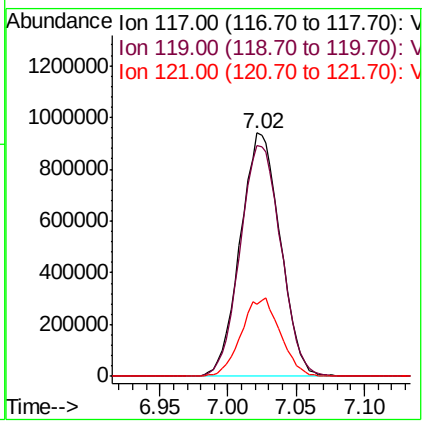


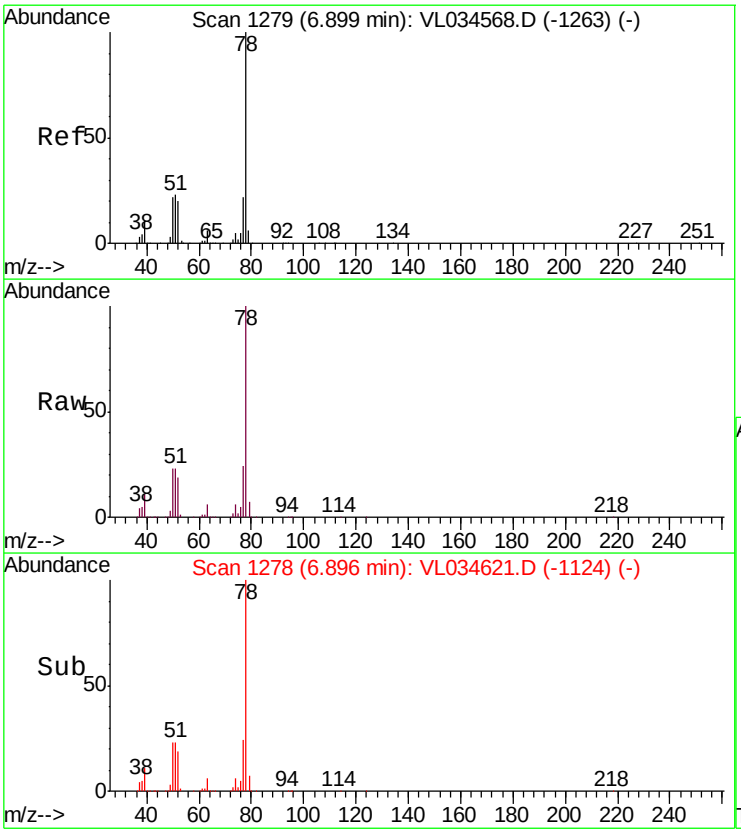
#35
Carbon Tetrachloride
Concen: 9.731 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion:117 Resp: 1909248

Ion	Ratio	Lower	Upper
117	100		
119	94.9	79.5	119.3
121	29.8	26.2	39.2

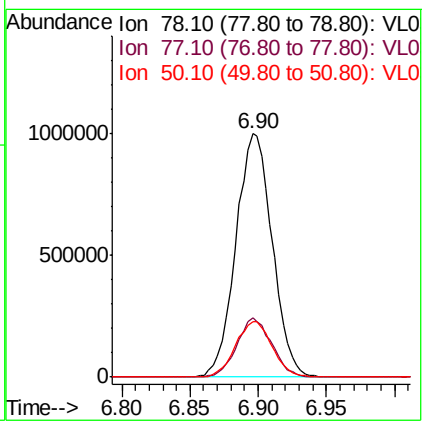


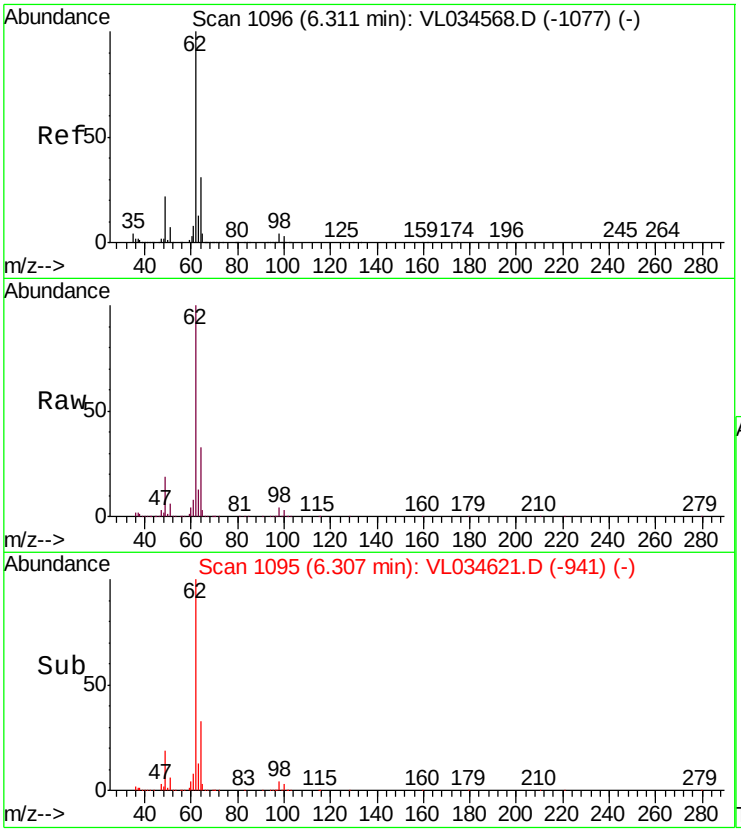


#36
Benzene
Concen: 10.133 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 78 Resp: 1849304

Ion	Ratio	Lower	Upper
78	100		
77	24.1	17.3	25.9
50	22.8	17.4	26.2



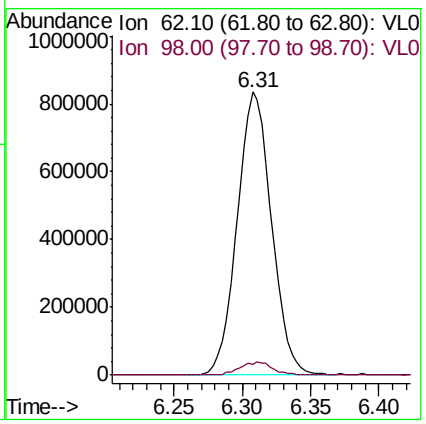


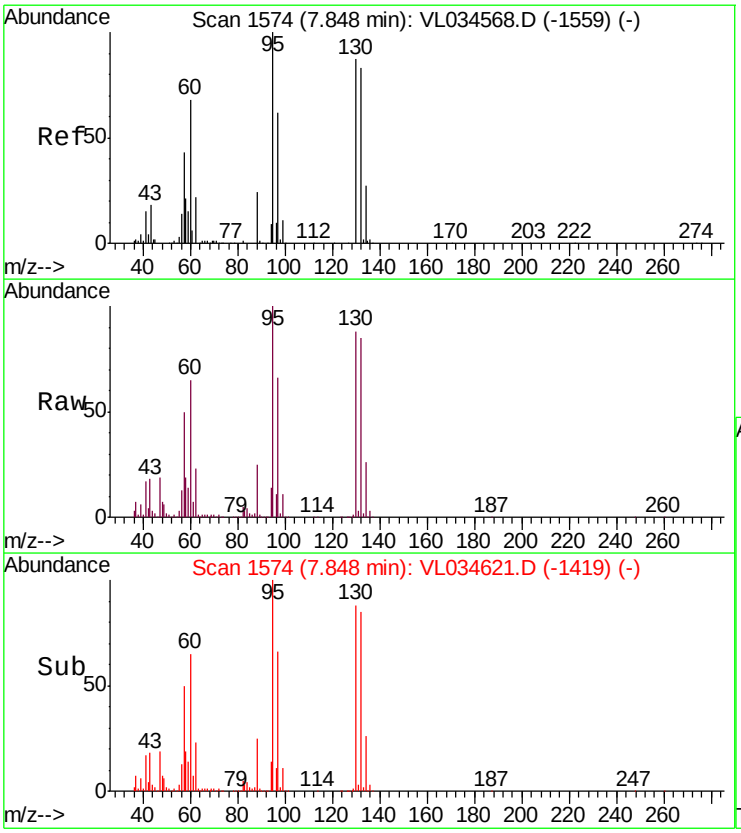
#37
1,2-Dichloroethane
Concen: 9.577 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 62 Resp: 1458264

Ion	Ratio	Lower	Upper
62	100		
98	4.6	3.7	5.5

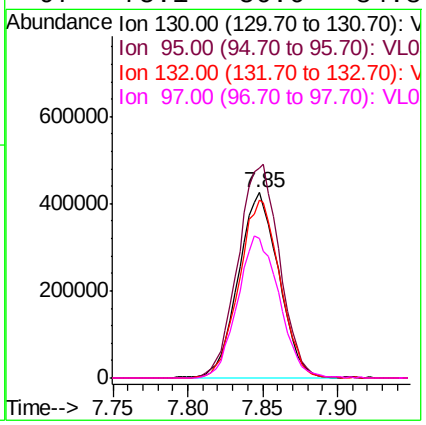


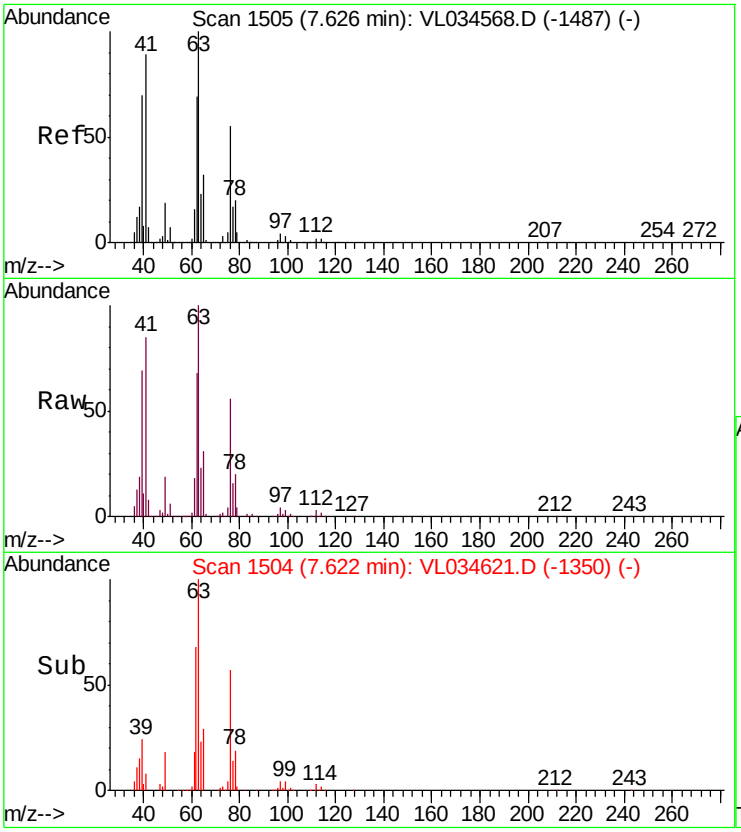


#38
Trichloroethene
Concen: 10.361 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:130 Resp: 797076

Ion	Ratio	Lower	Upper
130	100		
95	112.9	91.6	137.4
132	95.9	76.1	114.1
97	75.1	56.6	84.8



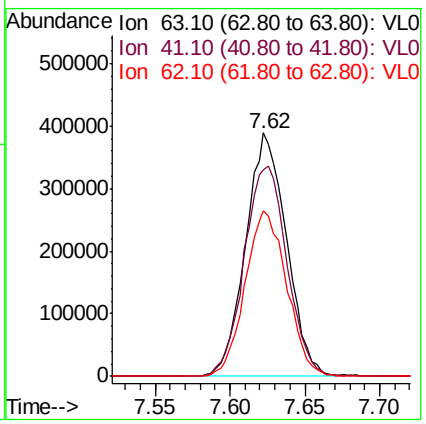


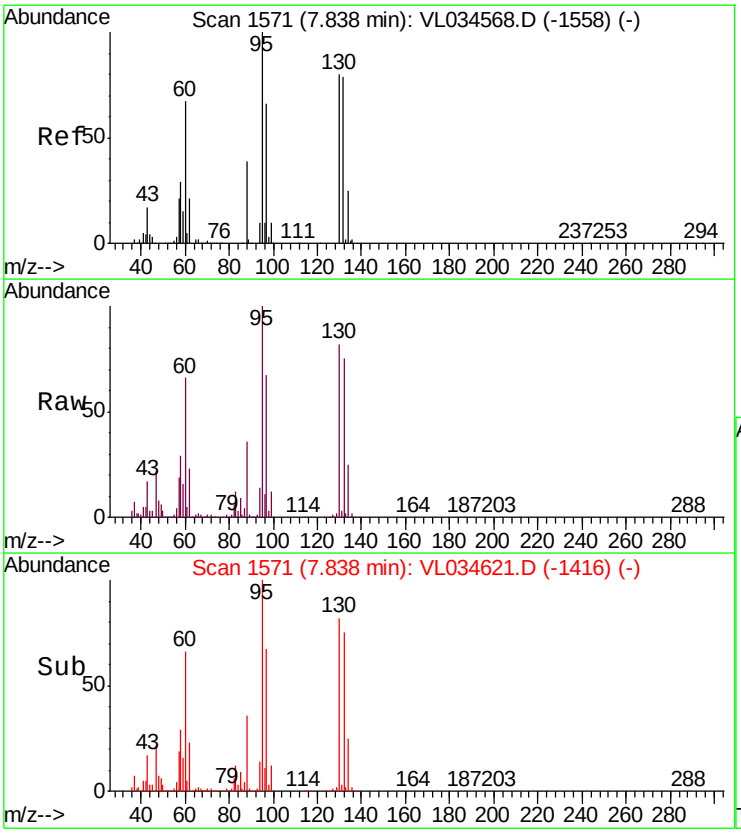
#39
1,2-Dichloropropane
Concen: 9.777 ppbv
RT: 7.62 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion: 63 Resp: 739681

Ion	Ratio	Lower	Upper
63	100		
41	85.0	71.0	106.4
62	68.1	55.4	83.0

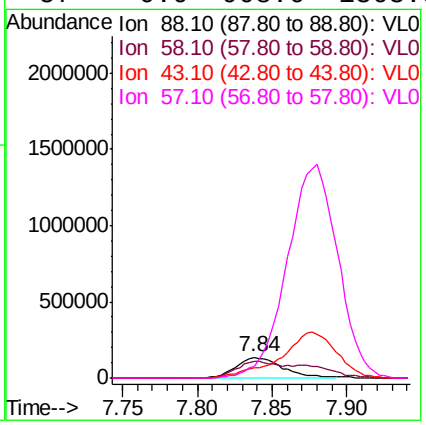


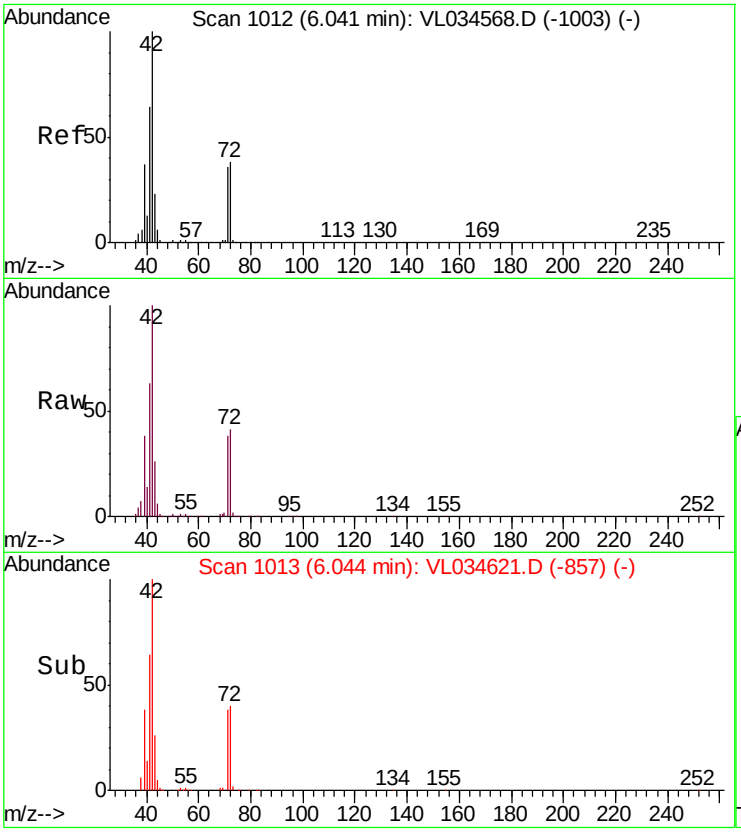


#40
1,4-Dioxane
Concen: 10.007 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 88 Resp: 291037

Ion	Ratio	Lower	Upper
88	100		
58	130.0	107.8	161.8
43	0.0	220.9	331.3#
57	0.0	908.6	1363.0#



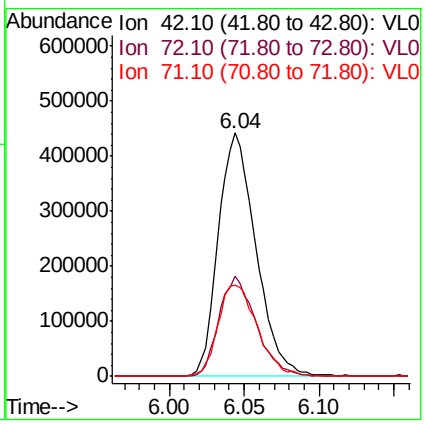


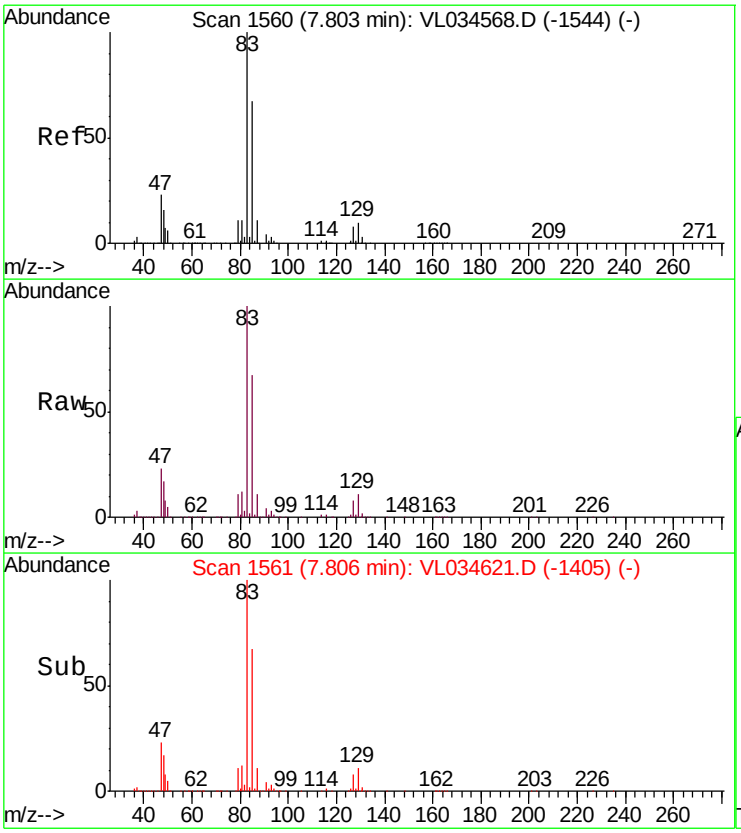
#41
Tetrahydrofuran
Concen: 9.937 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion: 42 Resp: 772445

Ion	Ratio	Lower	Upper
42	100		
72	40.8	31.8	47.8
71	39.8	30.2	45.4

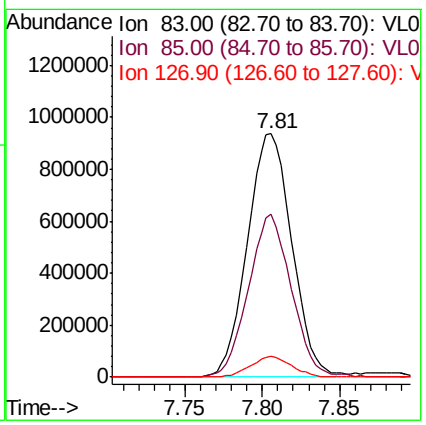


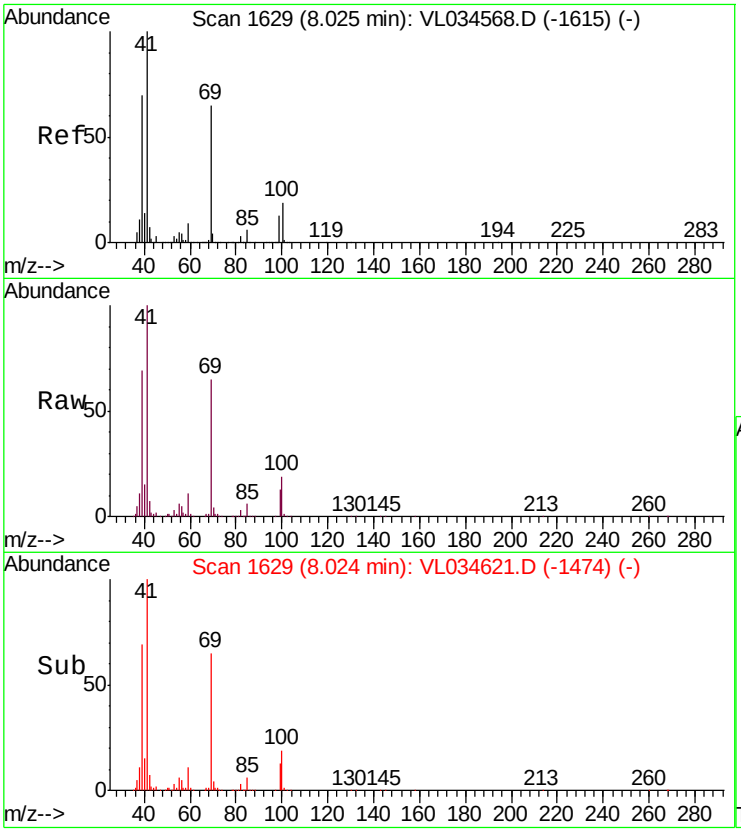


#42
Bromodichloromethane
Concen: 9.984 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 83 Resp: 1871133

Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.2	79.8
127	8.4	6.5	9.7



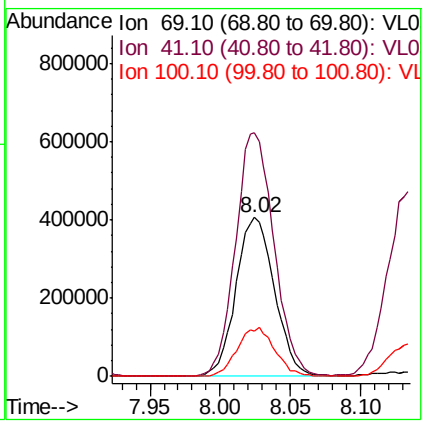


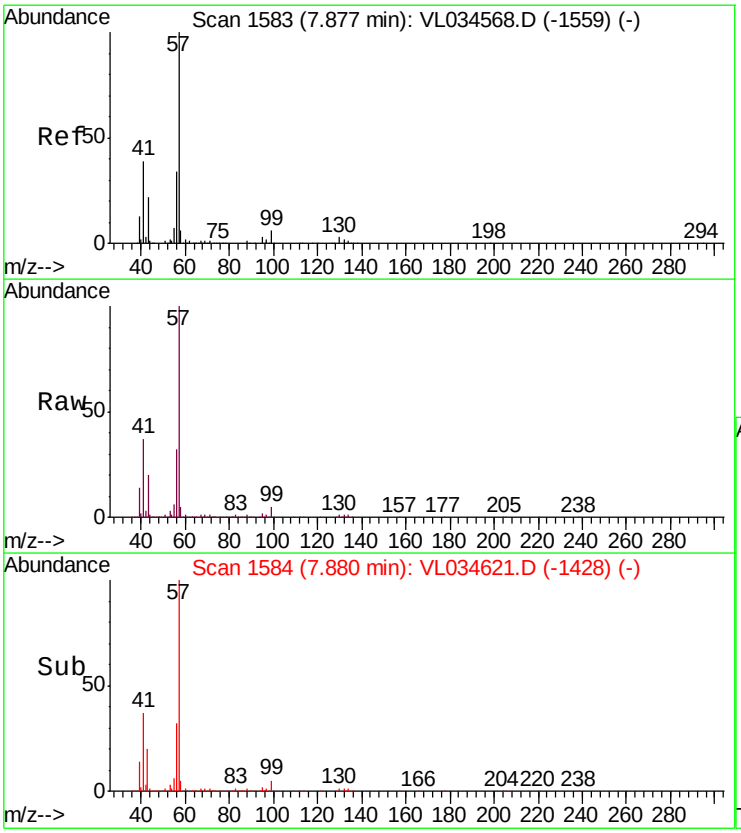
#43
Methyl Methacrylate
Concen: 10.630 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 69 Resp: 780270

Ion	Ratio	Lower	Upper
69	100		
41	152.5	123.9	185.9
100	30.0	24.1	36.1

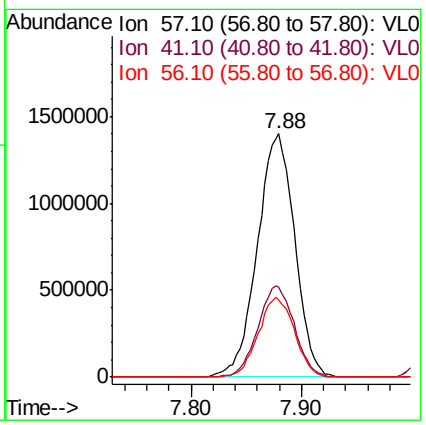


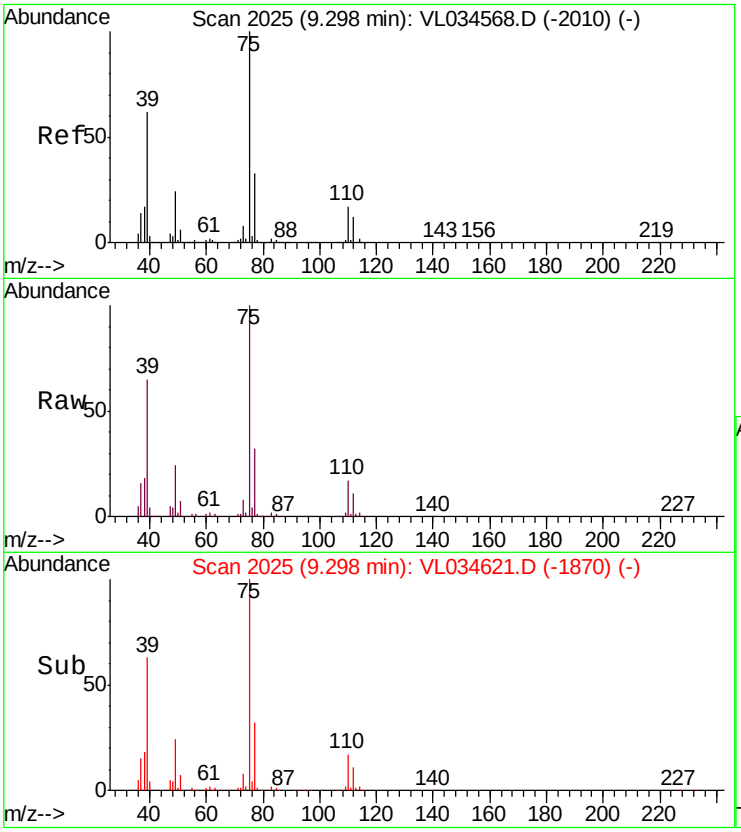


#44
2,2,4-Trimethylpentane
Concen: 9.936 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 57 Resp: 3289910

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.9	43.3
56	31.7	25.5	38.3



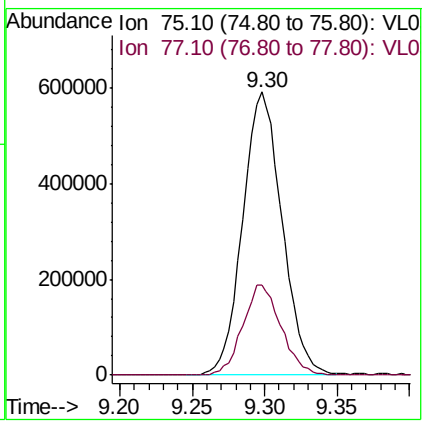


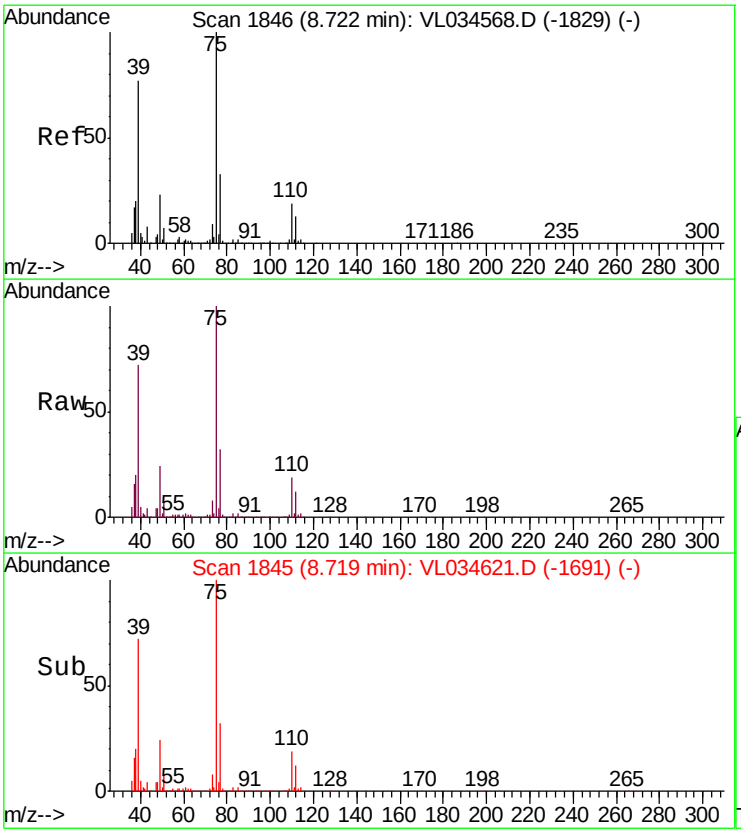
#45
t-1,3-Dichloropropene
Concen: 11.620 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 75 Resp: 1116884

Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.7	40.1

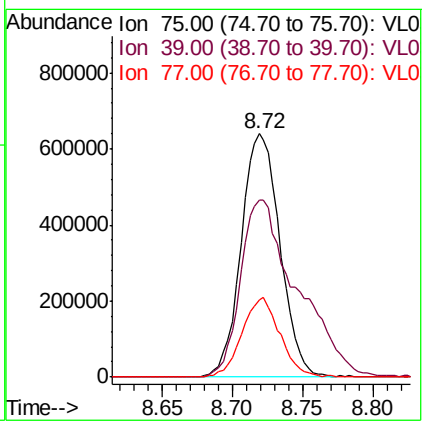


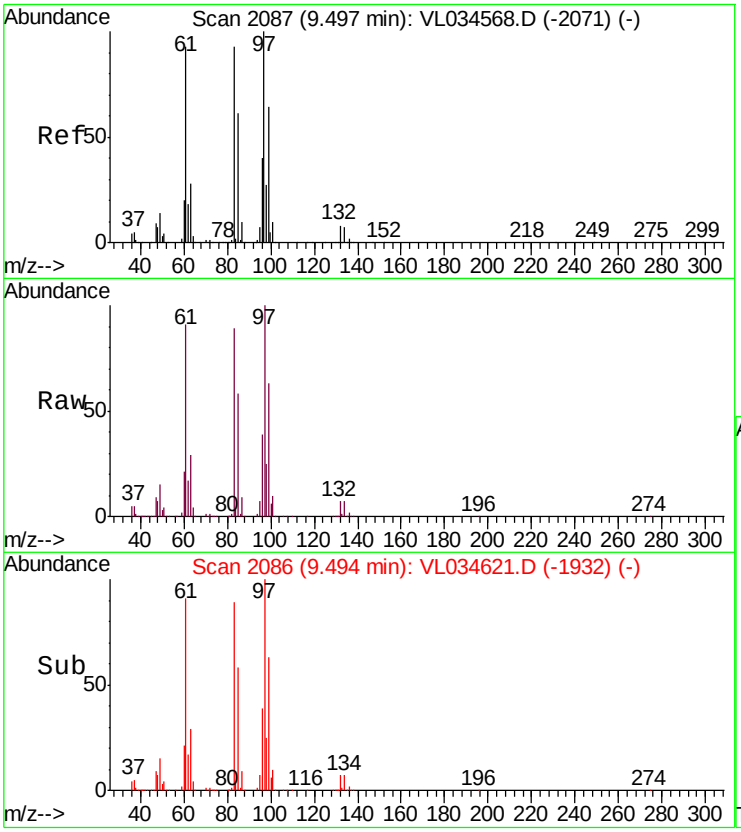


#46
cis-1,3-Dichloropropene
Concen: 11.293 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 75 Resp: 1233767

Ion	Ratio	Lower	Upper
75	100		
39	72.3	61.9	92.9
77	31.7	26.1	39.1



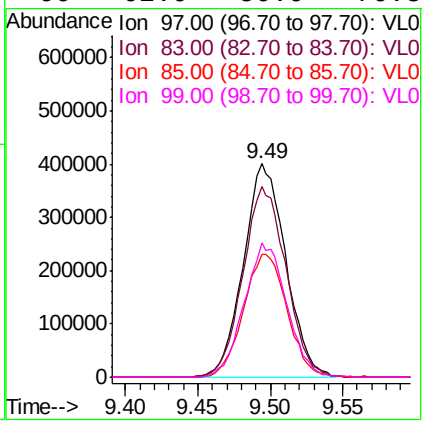


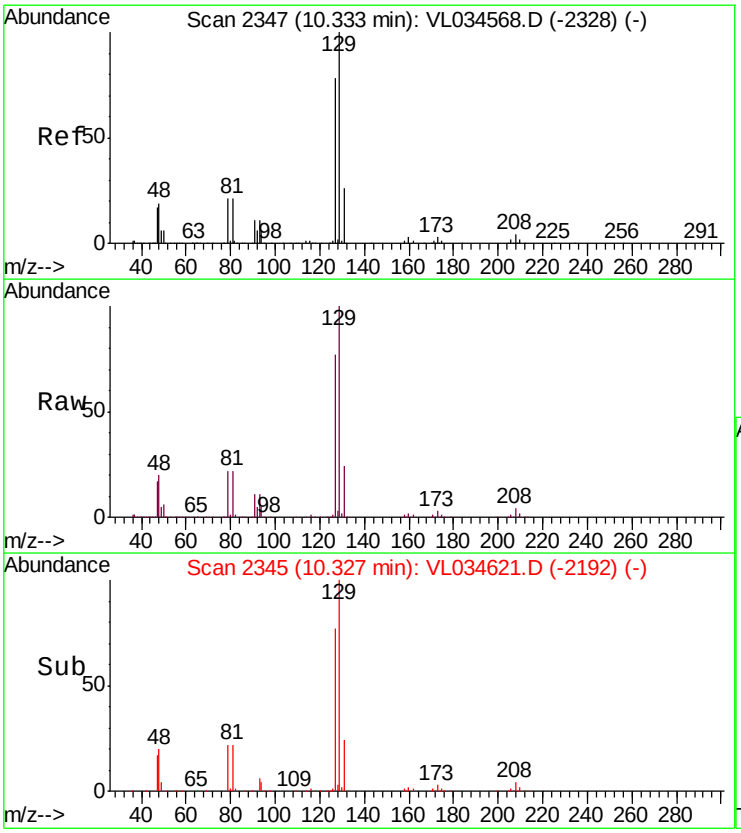
#47
1,1,2-Trichloroethane
Concen: 9.940 ppbv
RT: 9.49 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion: 97 Resp: 814538

Ion	Ratio	Lower	Upper
97	100		
83	89.5	74.4	111.6
85	57.7	49.2	73.8
99	62.9	50.9	76.3

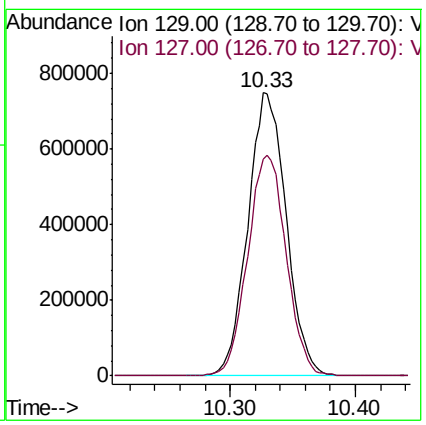


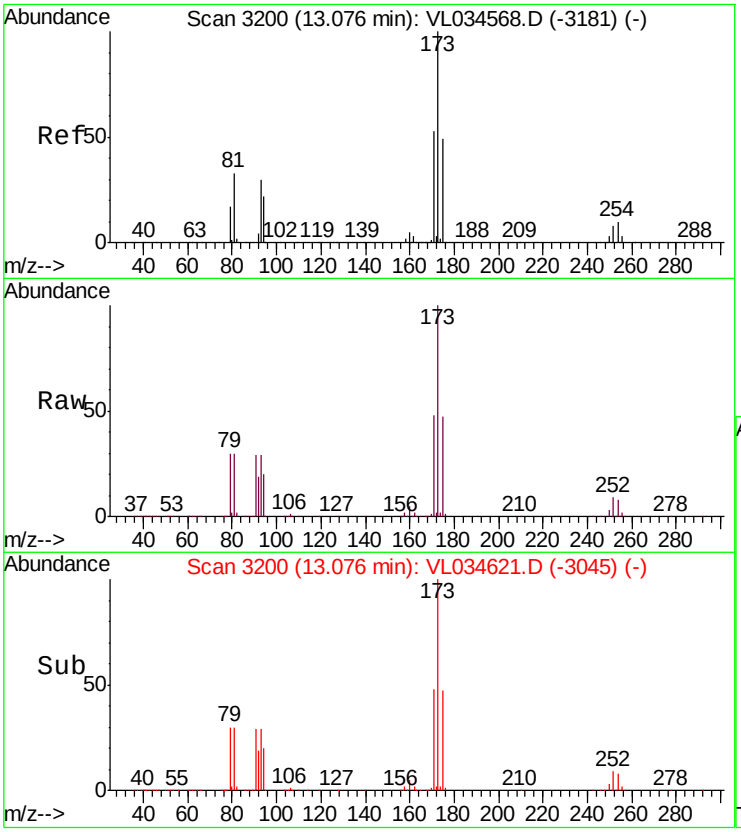


#48
Dibromochloromethane
Concen: 10.592 ppbv
RT: 10.33 min Scan# 2345
Delta R.T. -0.01 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:129 Resp: 1590378

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.2



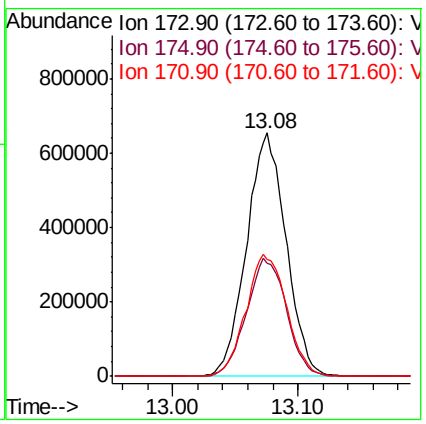


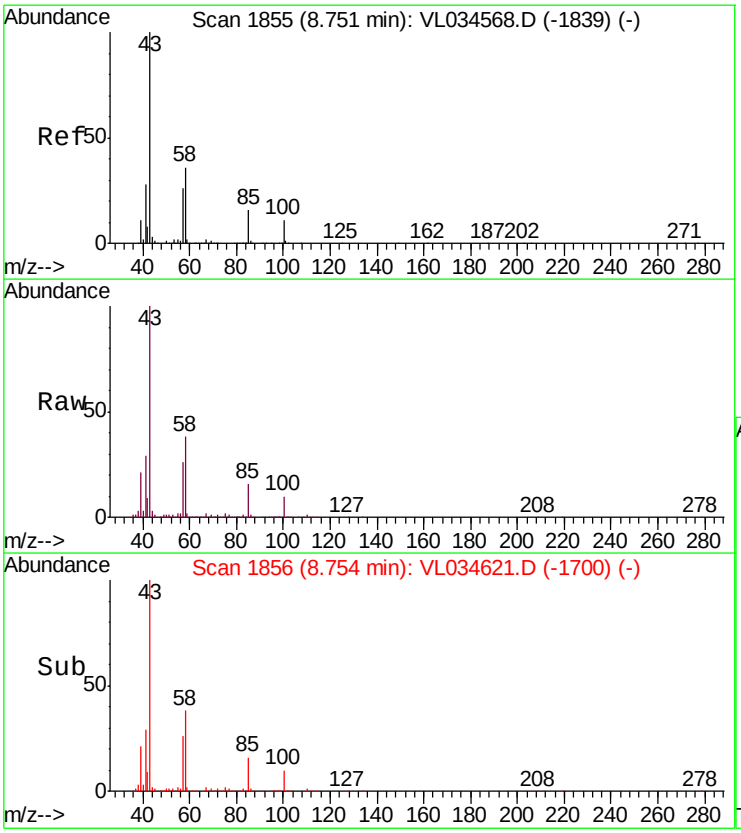
#49
Bromoform
Concen: 10.879 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion:173 Resp: 1434189

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.7	59.5
171	51.7	41.6	62.4

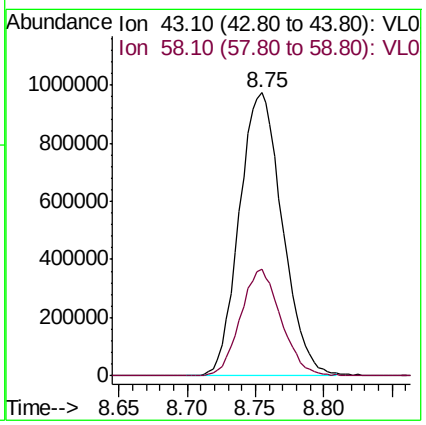


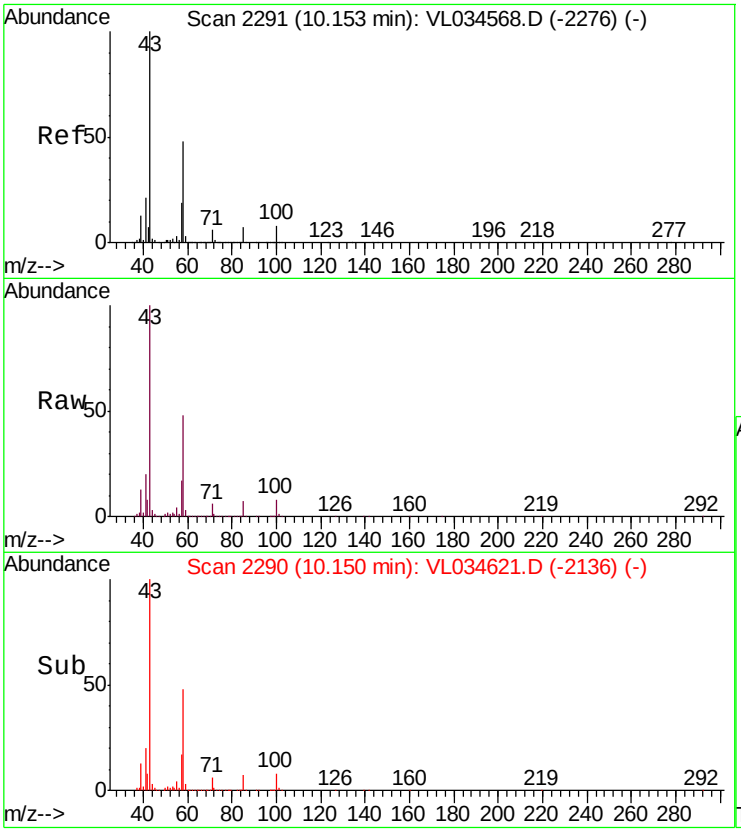


#50
4-Methyl-2-Pentanone
Concen: 10.041 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 43 Resp: 2133624

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.6	43.0



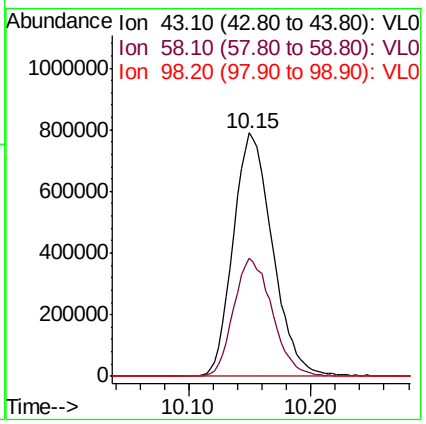


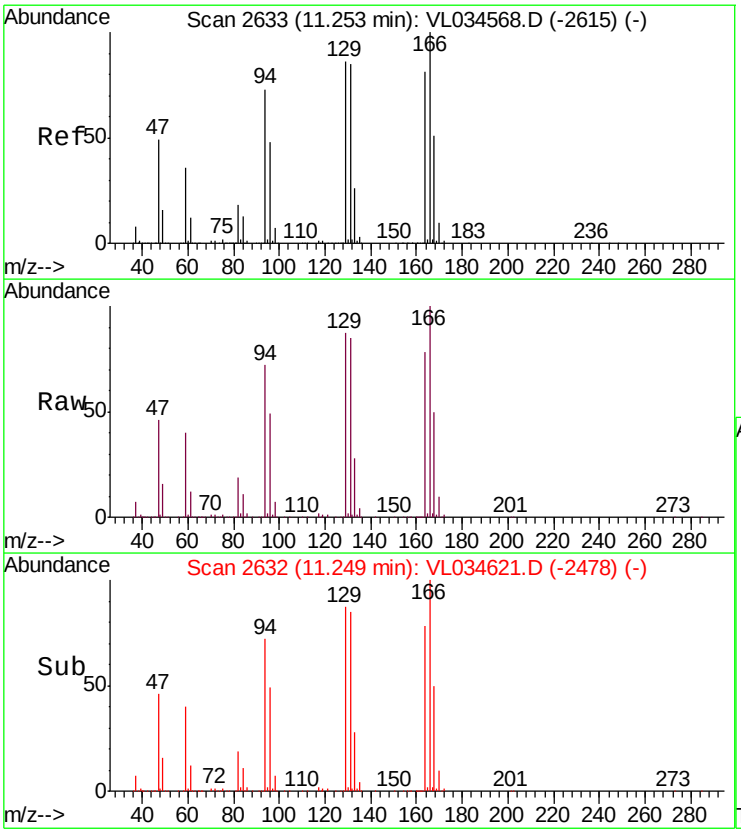
#51
2-Hexanone
Concen: 10.503 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 43 Resp: 1756964

Ion	Ratio	Lower	Upper
43	100		
58	47.7	37.9	56.9
98	0.3	0.3	0.5#

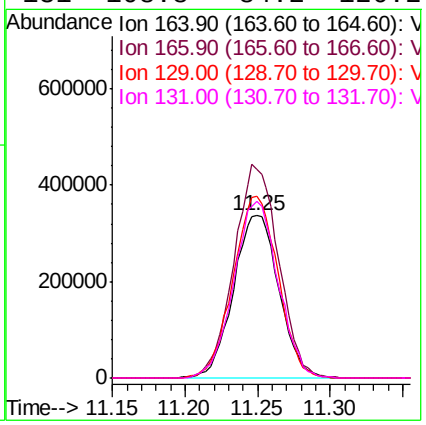


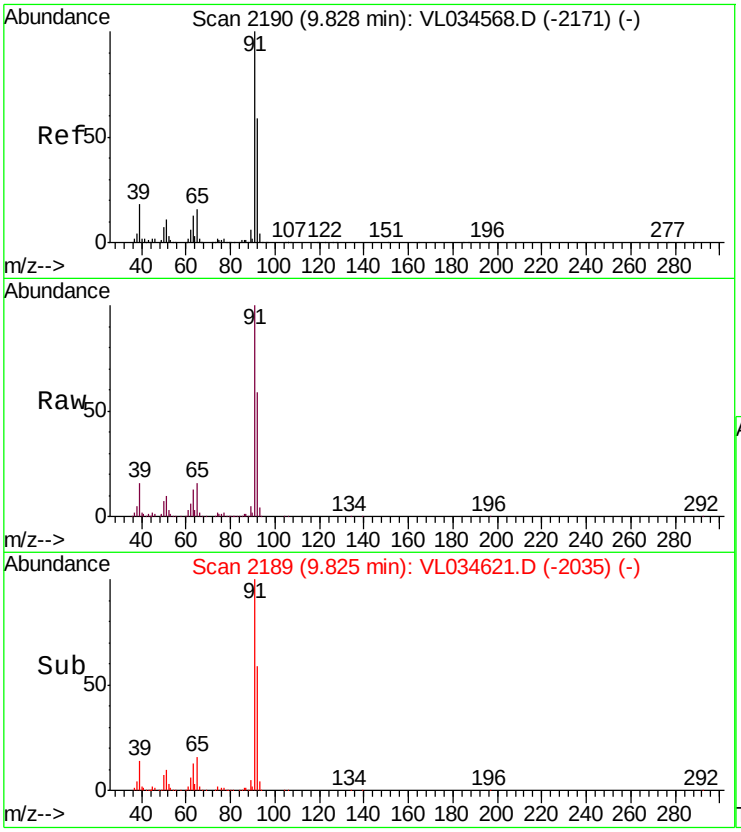


#52
Tetrachloroethene
Concen: 9.933 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:164 Resp: 728216

Ion	Ratio	Lower	Upper
164	100		
166	128.4	99.0	148.4
129	111.8	85.3	127.9
131	108.8	84.2	126.2



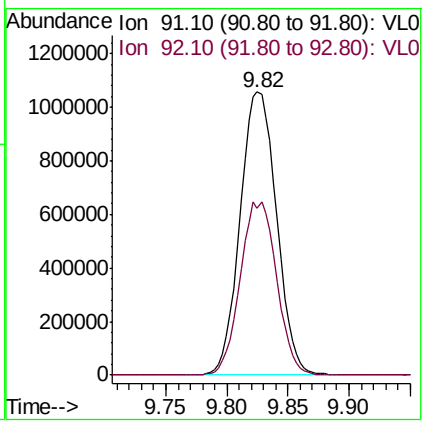


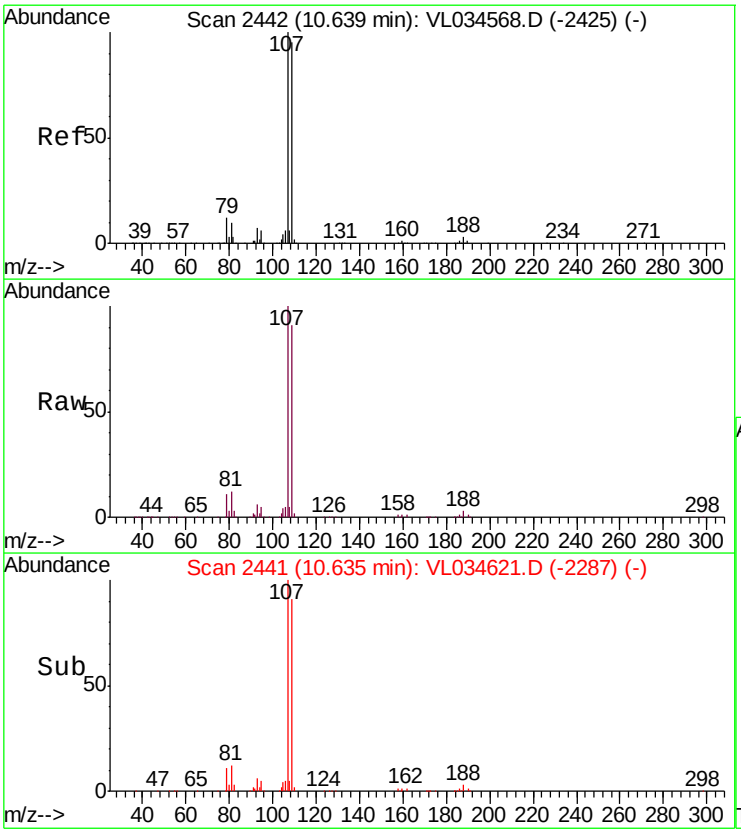
#53
Toluene
Concen: 10.870 ppbv
RT: 9.82 min Scan# 2189
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 91 Resp: 2179210

Ion	Ratio	Lower	Upper
91	100		
92	61.2	48.2	72.2

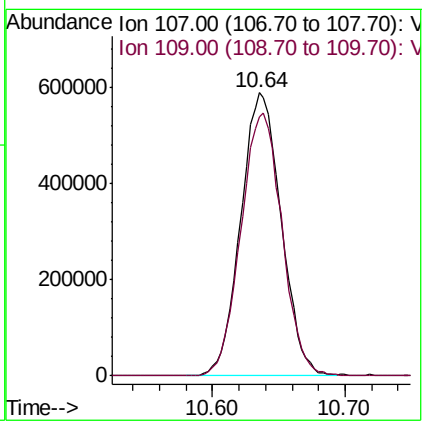


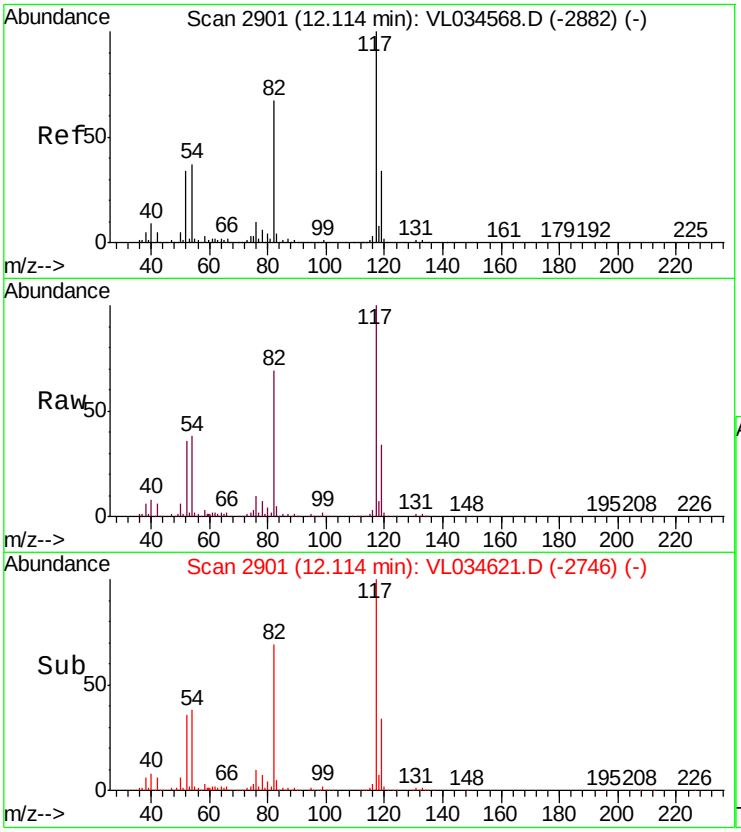


#54
1,2-Dibromoethane
Concen: 10.155 ppbv
RT: 10.64 min Scan# 2441
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:107 Resp: 1246988

Ion	Ratio	Lower	Upper
107	100		
109	91.4	75.9	113.9



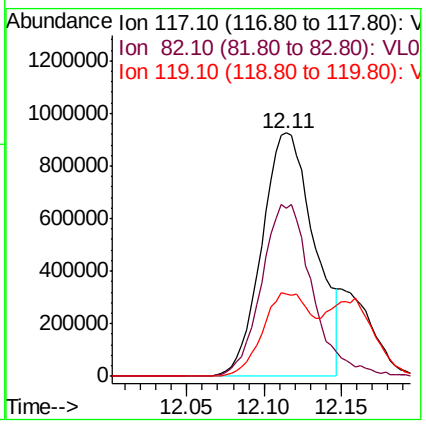


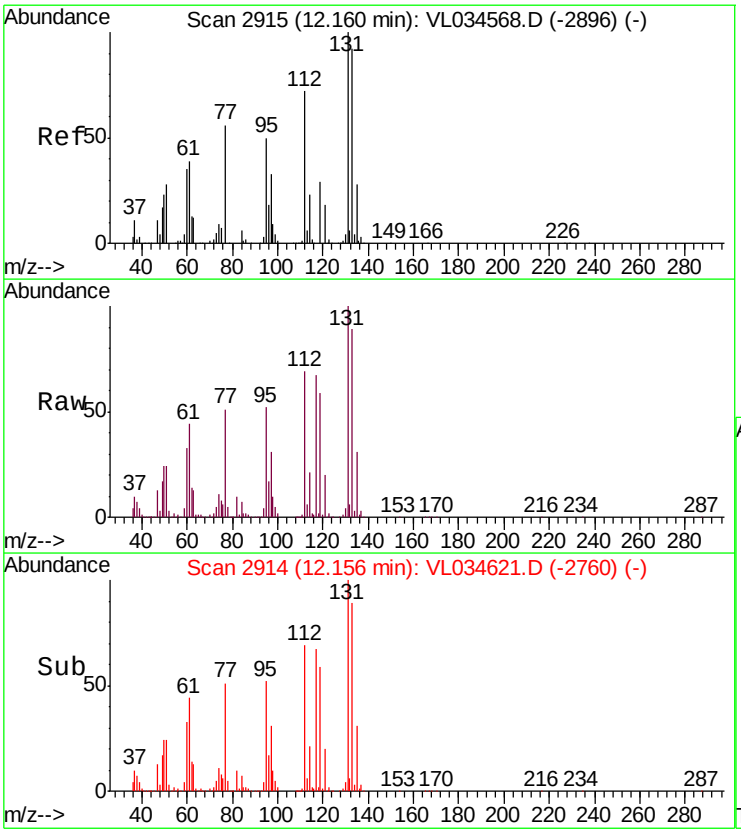
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion:117 Resp: 2200727

Ion	Ratio	Lower	Upper
117	100		
82	68.6	54.2	81.4
119	28.9	26.1	39.1

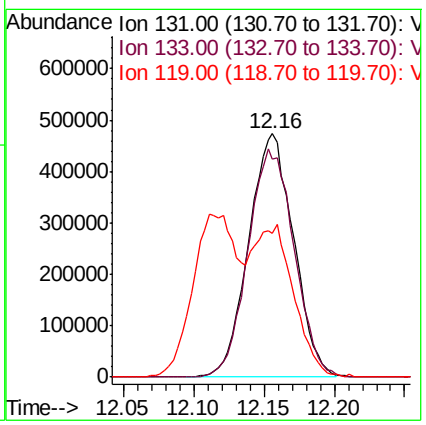


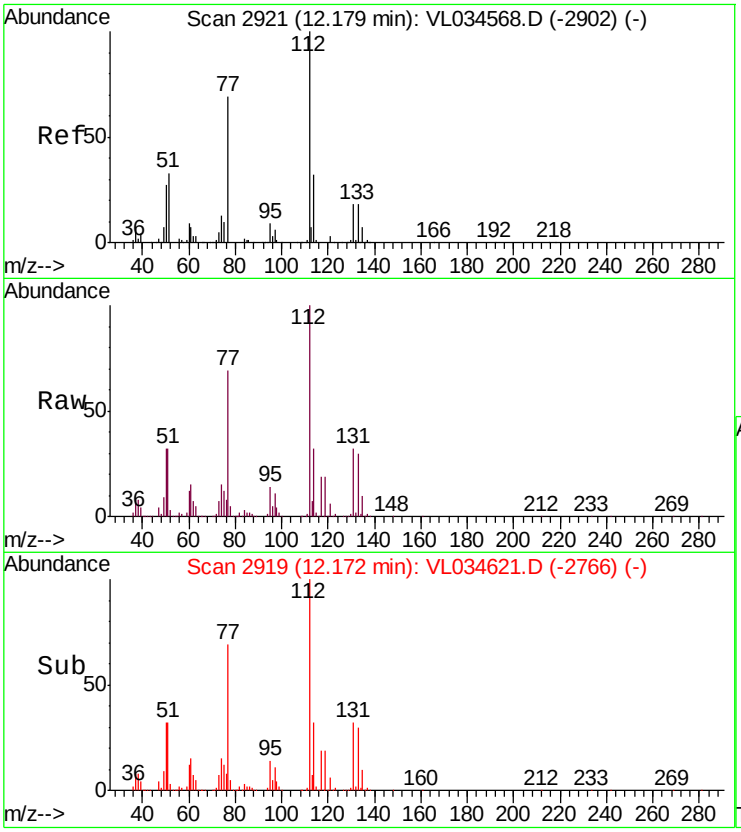


#56
1,1,1,2-Tetrachloroethane
Concen: 9.681 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:131 Resp: 1051777

Ion	Ratio	Lower	Upper
131	100		
133	96.5	75.8	113.8
119	65.5	47.0	70.6



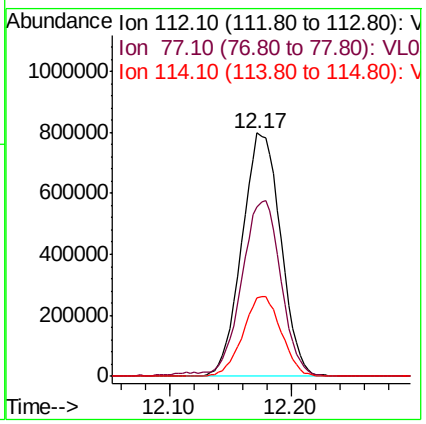


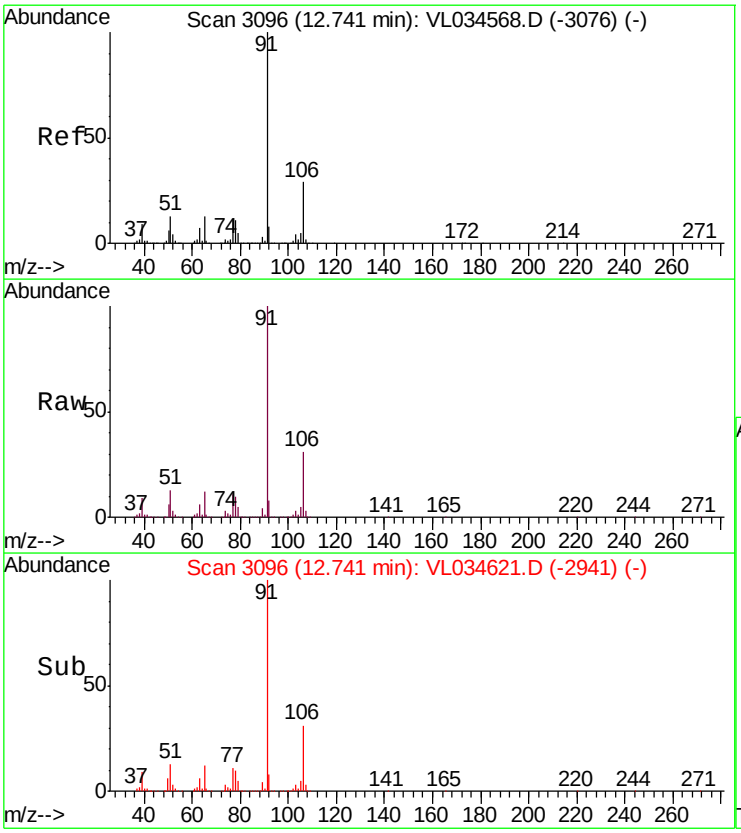
#57
Chlorobenzene
Concen: 9.654 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion:112 Resp: 1748187

Ion	Ratio	Lower	Upper
112	100		
77	69.1	56.5	84.7
114	32.0	29.2	35.6

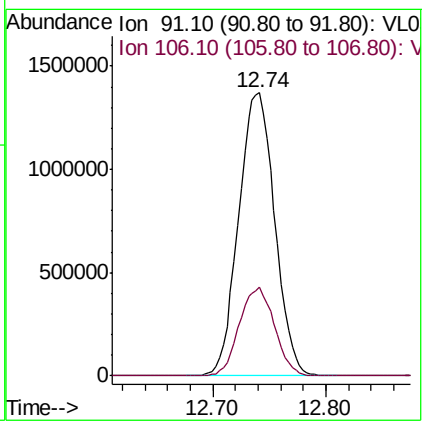


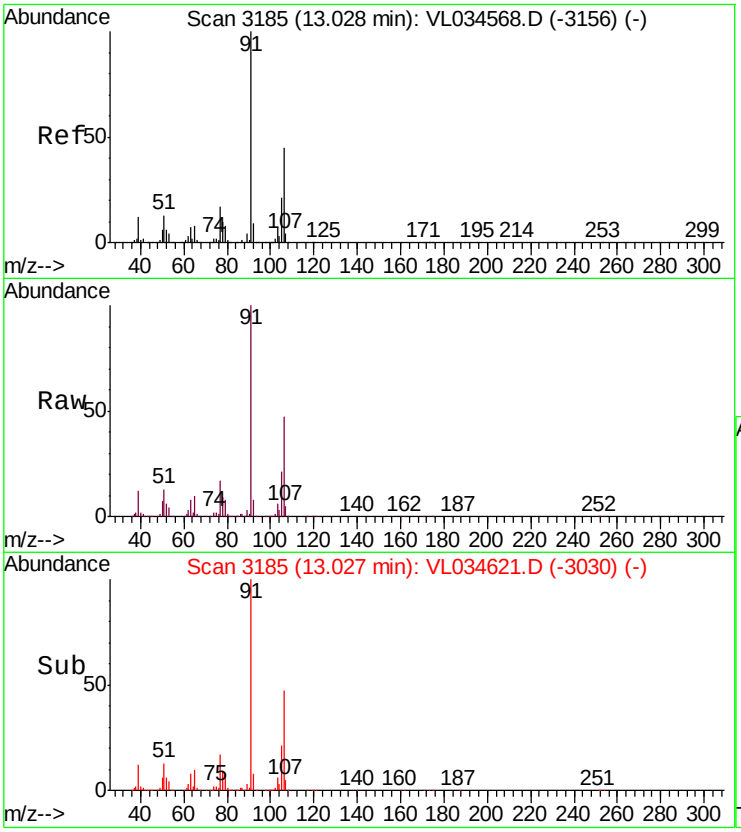


#58
Ethyl Benzene
Concen: 10.340 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 91 Resp: 3045124

Ion	Ratio	Lower	Upper
91	100		
106	31.5	23.3	34.9



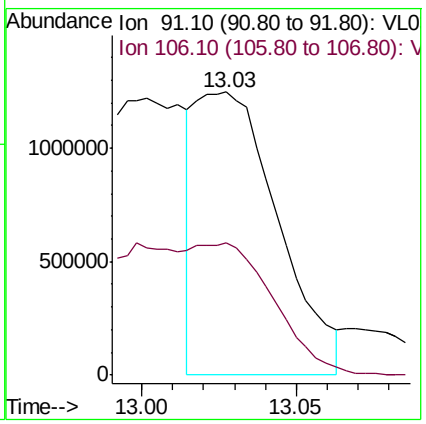


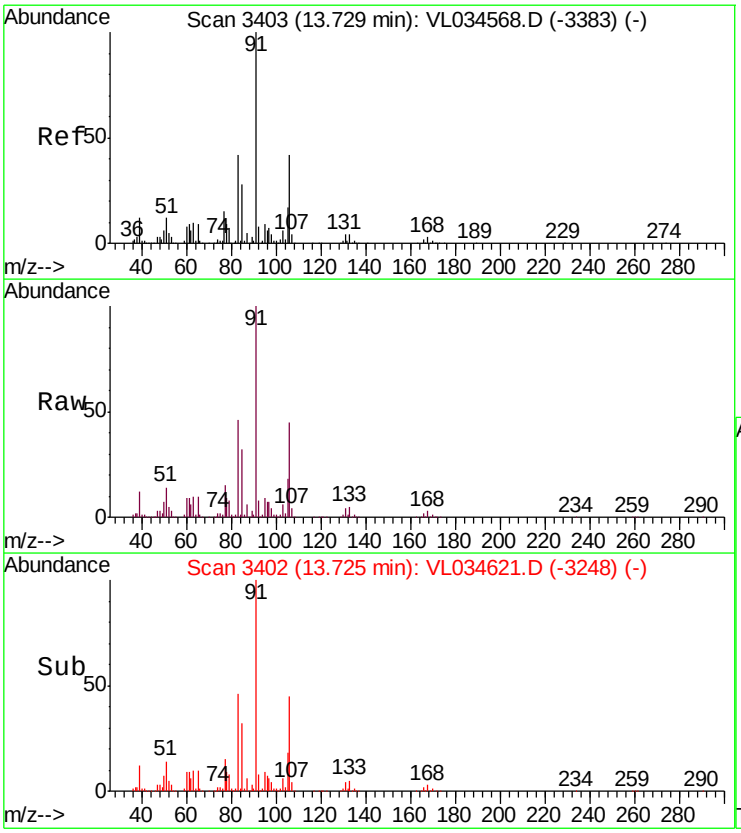
#59
m/p-Xylene
Concen: 8.819 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 91 Resp: 2295840

Ion	Ratio	Lower	Upper
91	100		
106	99.1	35.3	52.9#

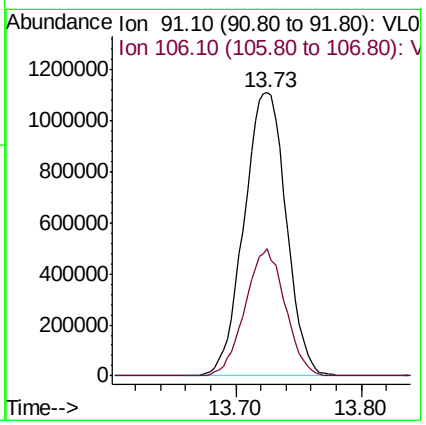


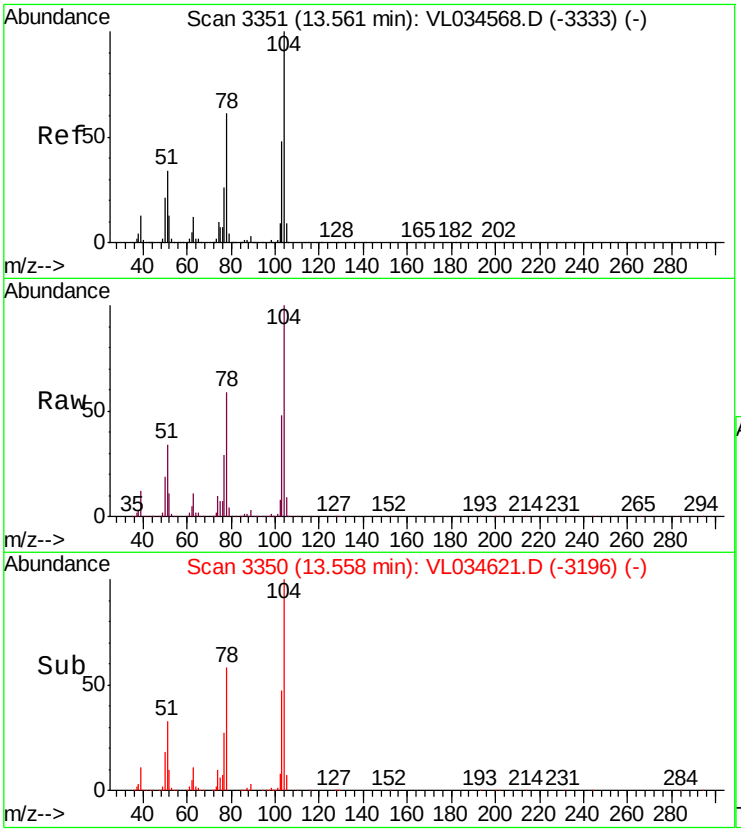


#60
o-Xylene
Concen: 9.907 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 91 Resp: 2590051

Ion	Ratio	Lower	Upper
91	100		
106	42.7	21.6	65.0



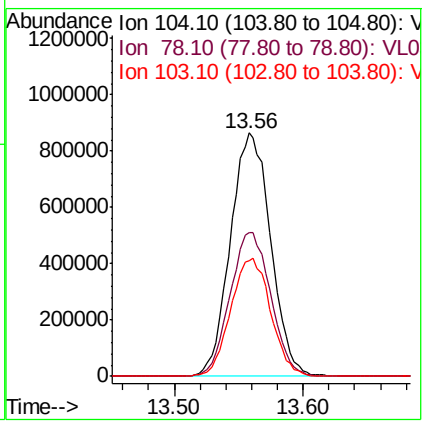


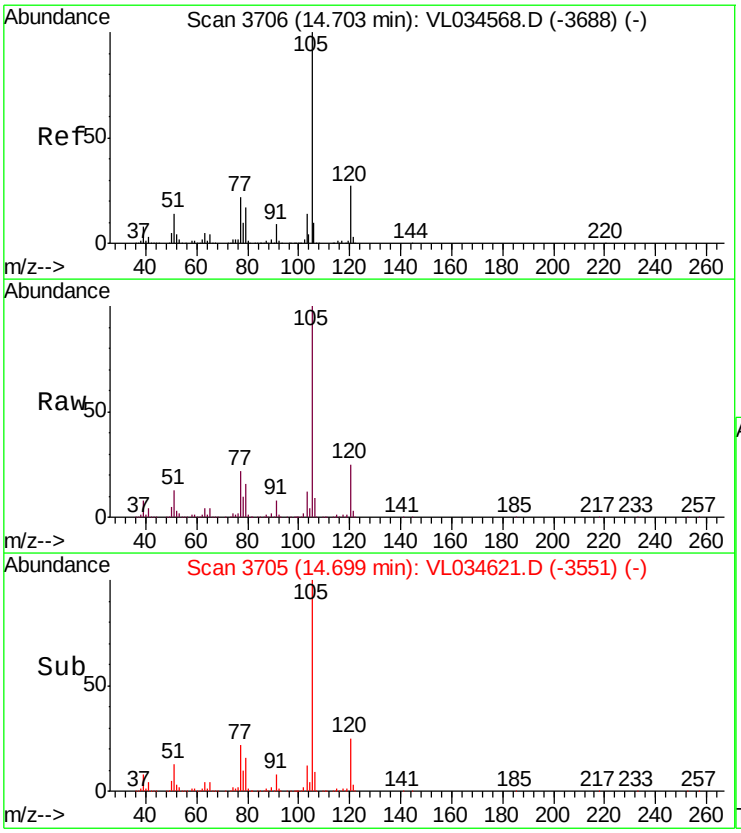
#61
Styrene
Concen: 10.719 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion:104 Resp: 1868583

Ion	Ratio	Lower	Upper
104	100		
78	60.0	47.0	70.6
103	48.4	38.5	57.7

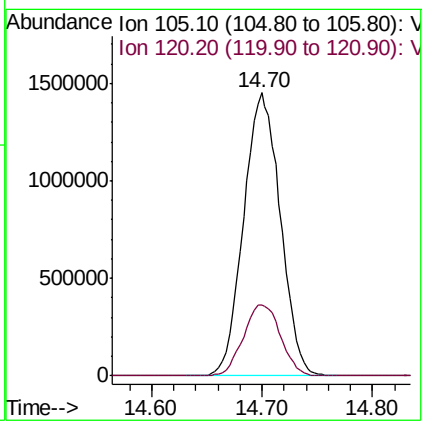


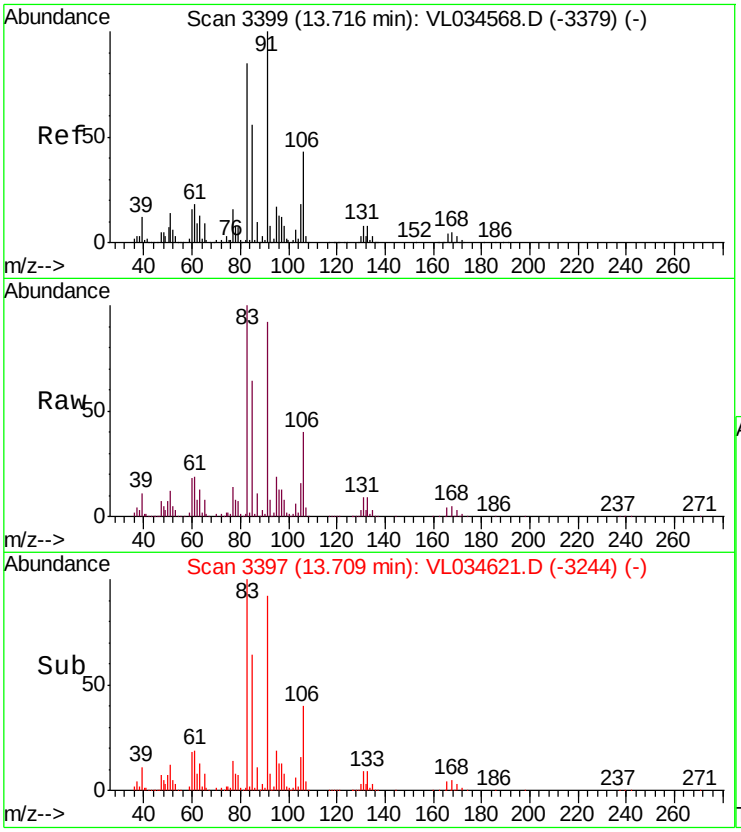


#62
Isopropylbenzene
Concen: 9.861 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:105 Resp: 3340716

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.7	31.1



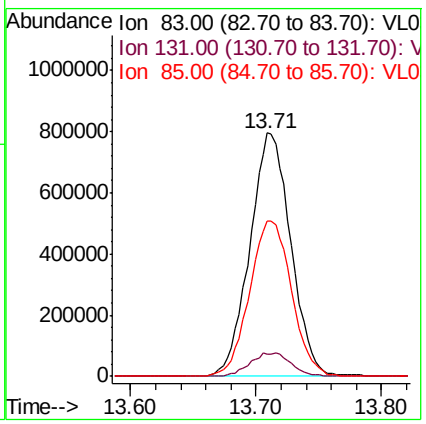


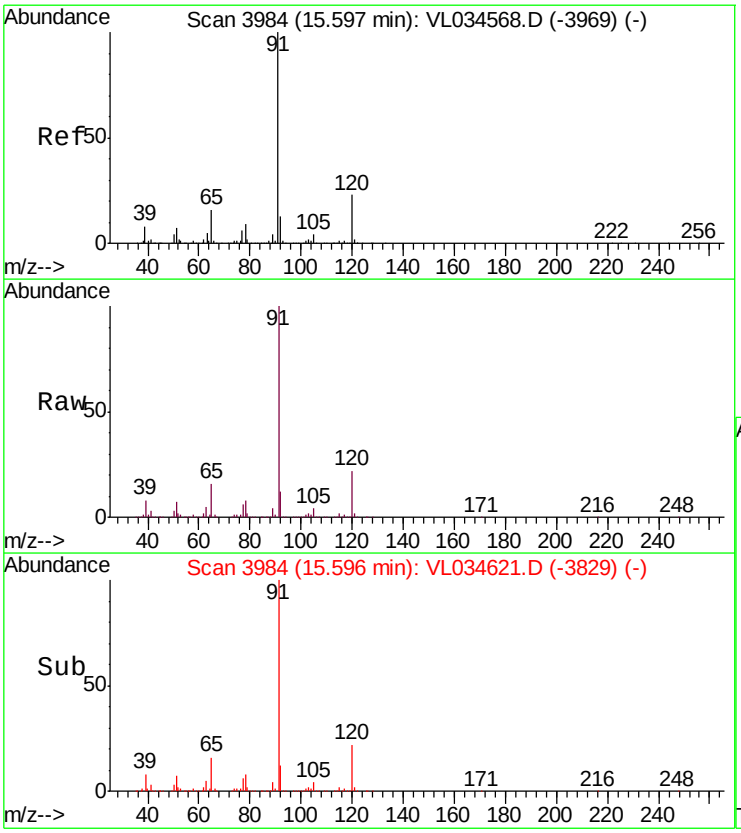
#63
1,1,2,2-Tetrachloroethane
Concen: 8.902 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 83 Resp: 1799949

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.6
85	65.8	32.6	98.0

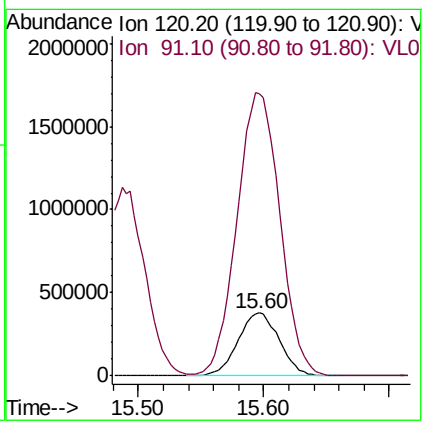


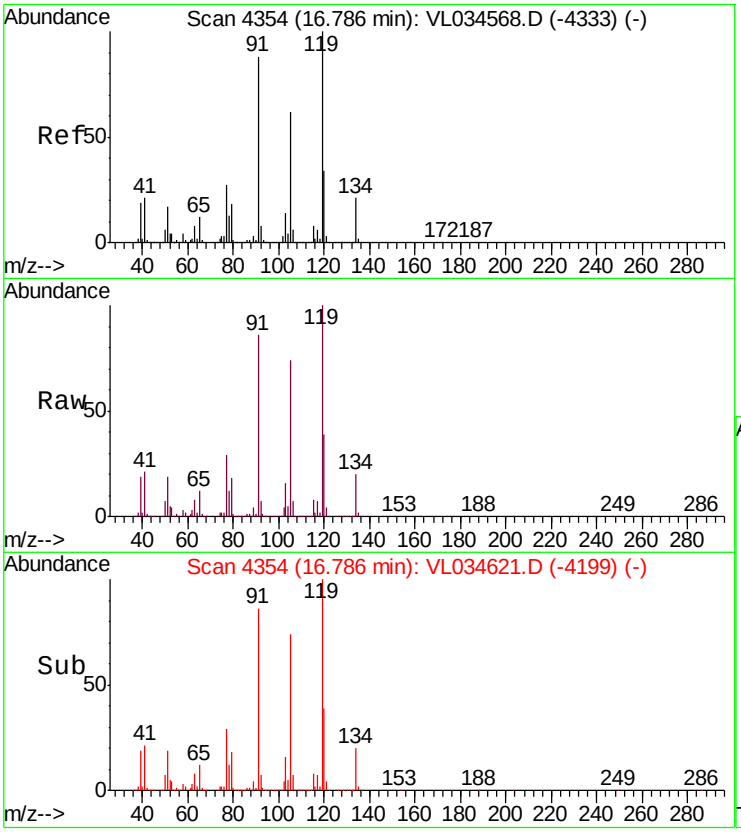


#64
n-propylbenzene
Concen: 9.914 ppbv
RT: 15.60 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:120 Resp: 864094

Ion	Ratio	Lower	Upper
120	100		
91	470.2	365.3	547.9



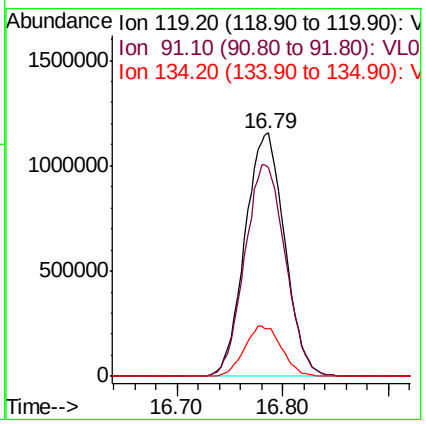


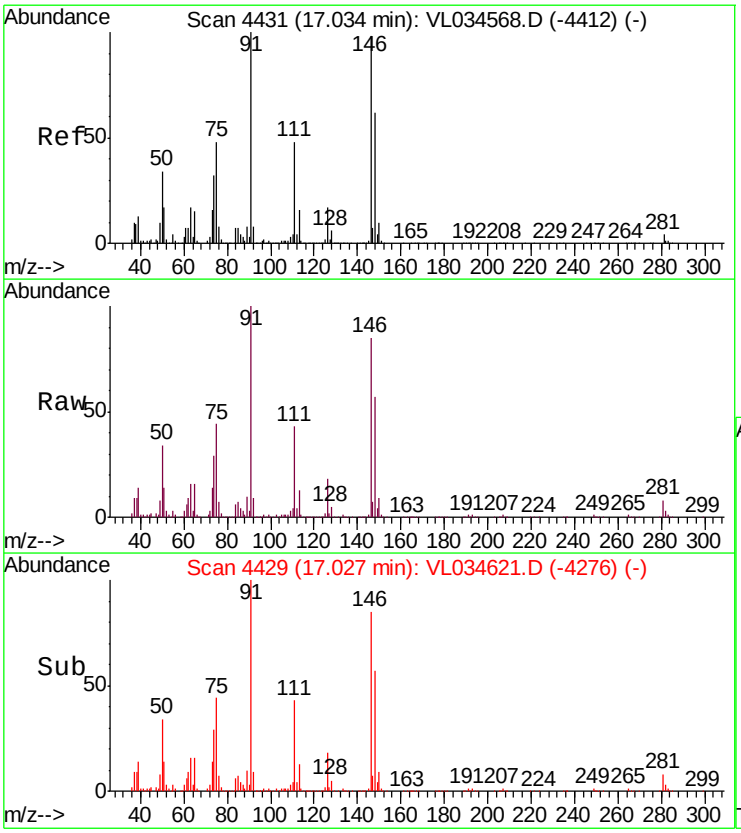
#65
tert-Butylbenzene
Concen: 9.836 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion:119 Resp: 3018982

Ion	Ratio	Lower	Upper
119	100		
91	89.7	72.2	108.4
134	19.5	15.9	23.9

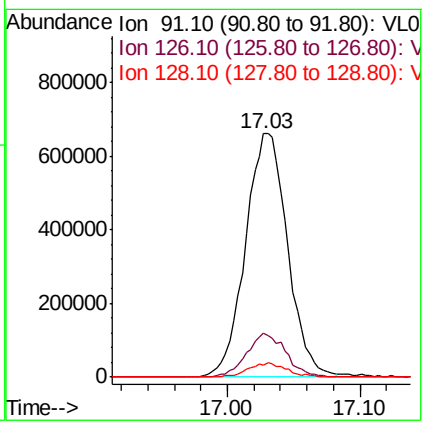


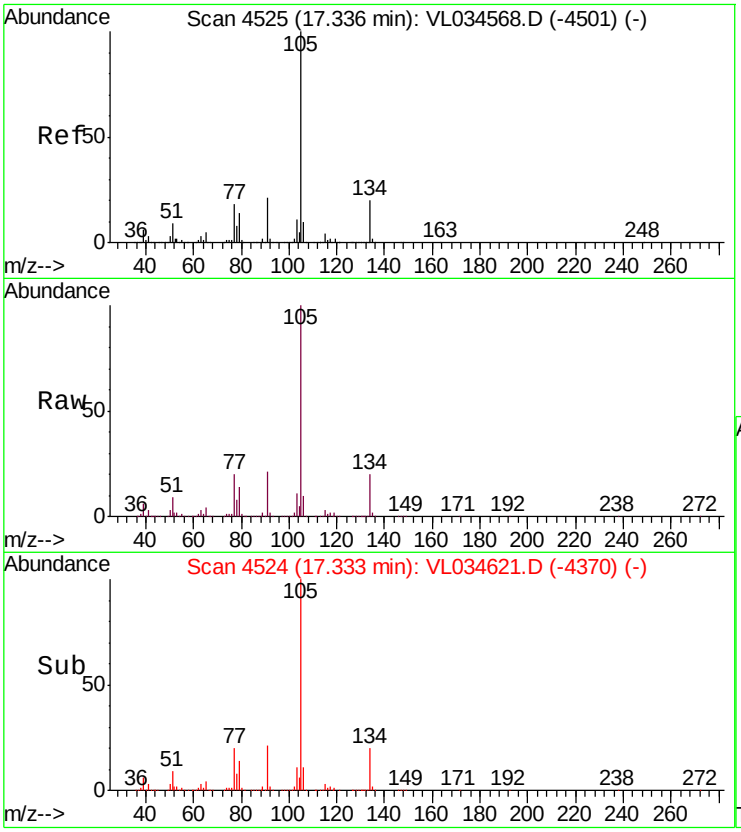


#66
Benzyl Chloride
Concen: 11.339 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.01 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 91 Resp: 1459379

Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.4	20.0
128	5.3	4.3	6.5



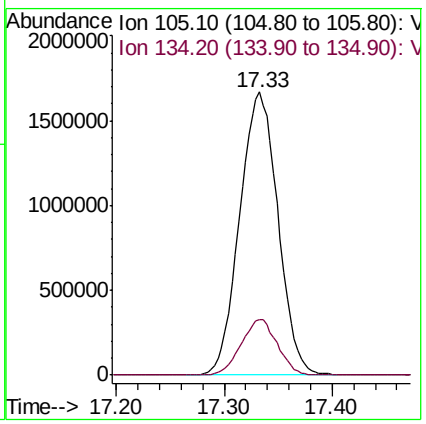


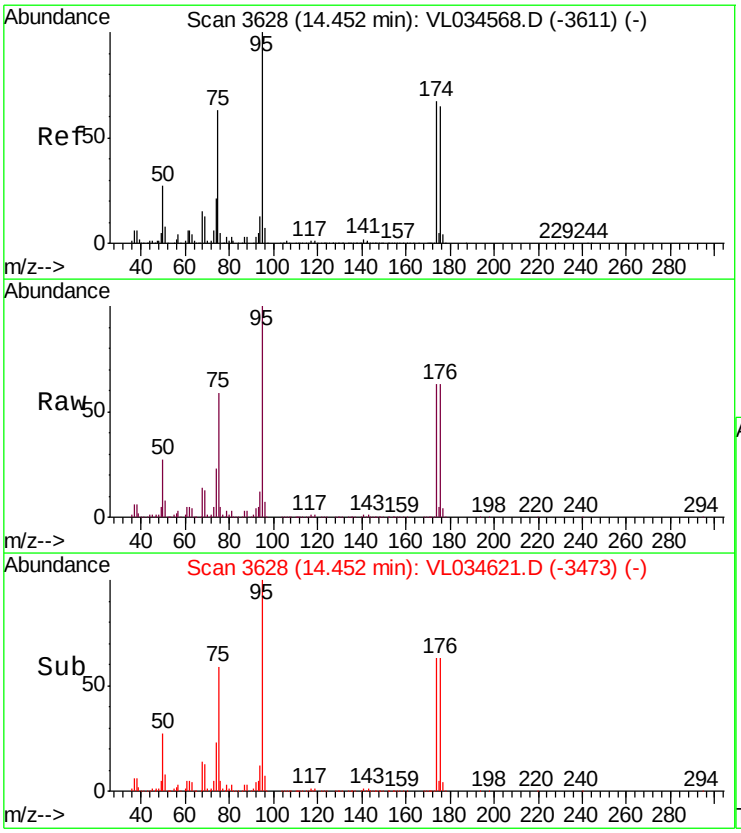
#67
sec-Butylbenzene
Concen: 9.752 ppbv
RT: 17.33 min Scan# 4524
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion:105 Resp: 4113775

Ion	Ratio	Lower	Upper
105	100		
134	18.7	15.5	23.3

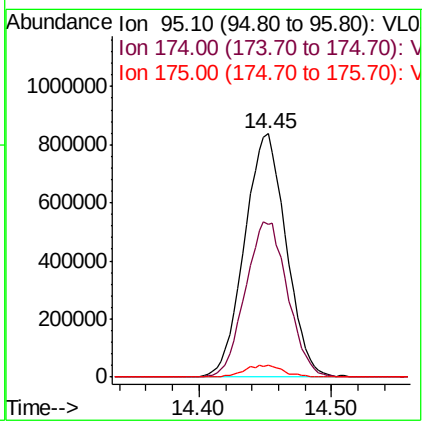


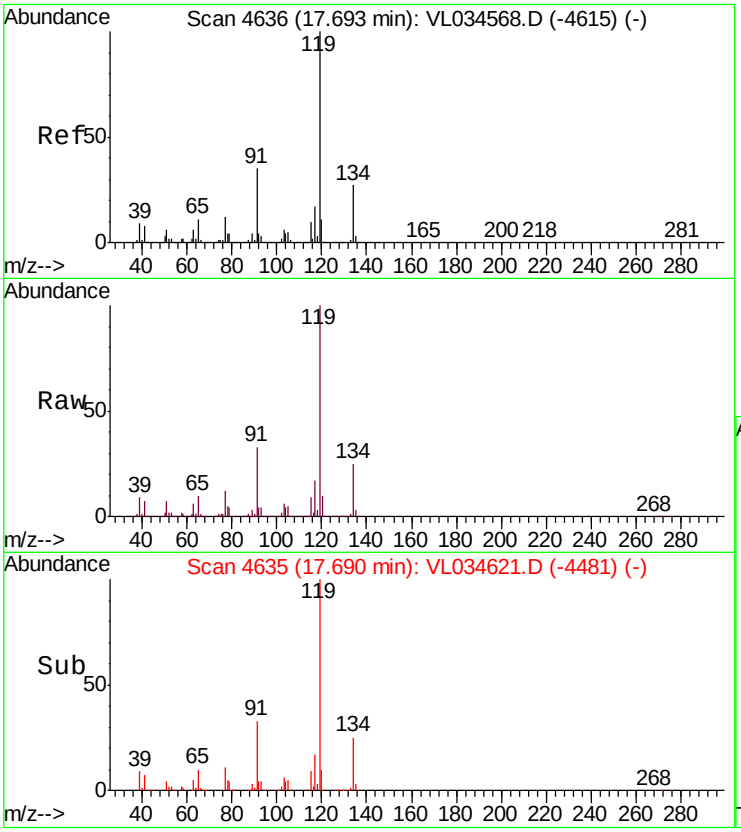


#68
1-Bromo-4-Fluorobenzene
Concen: 9.816 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 95 Resp: 1825775

Ion	Ratio	Lower	Upper
95	100		
174	64.9	52.3	78.5
175	4.7	3.8	5.6



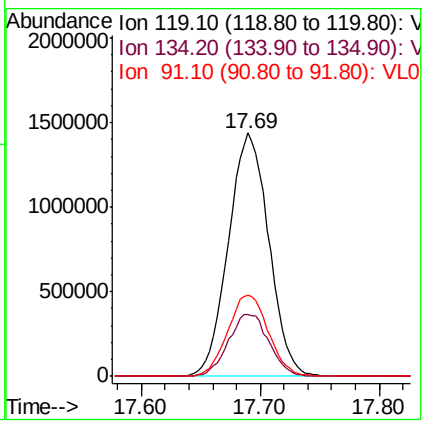


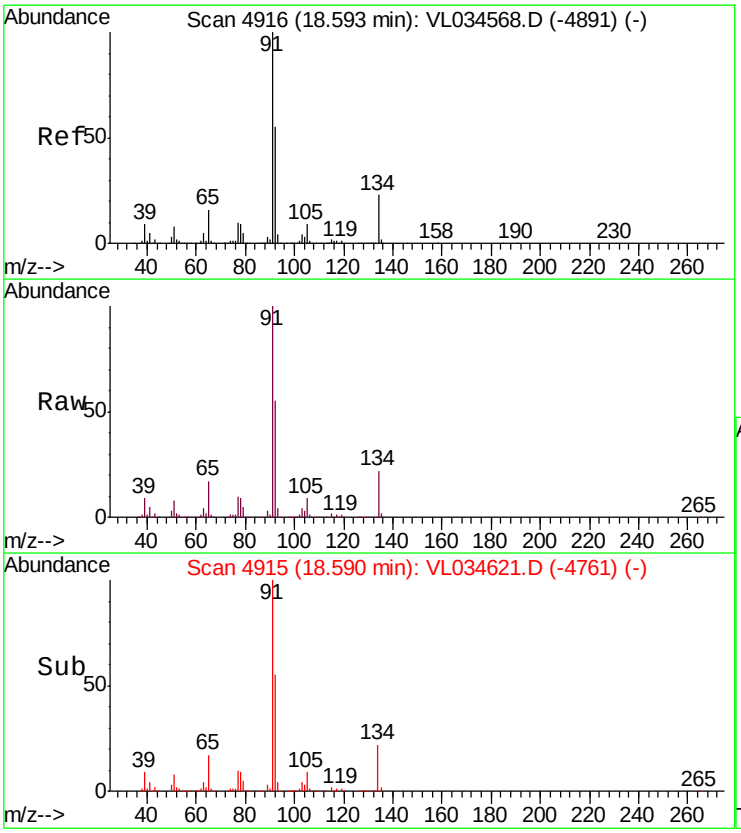
#69
p-Isopropyltoluene
Concen: 9.825 ppbv
RT: 17.69 min Scan# 4635
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion:119 Resp: 3365042

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.7	31.1
91	33.9	26.9	40.3

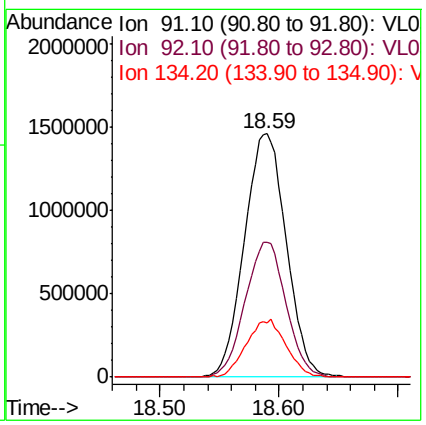


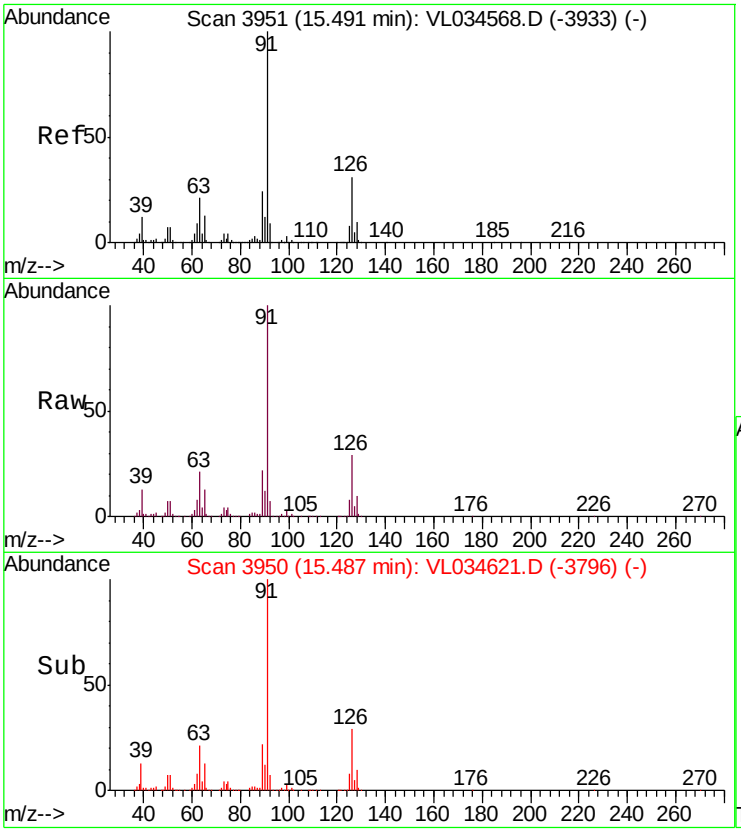


#70
n-Butylbenzene
Concen: 9.765 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion: 91 Resp: 3550254

Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.6	65.4
134	22.5	18.2	27.4



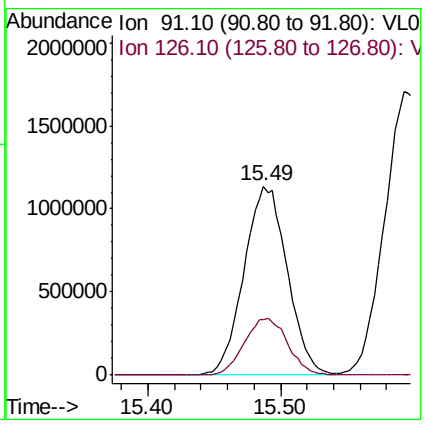


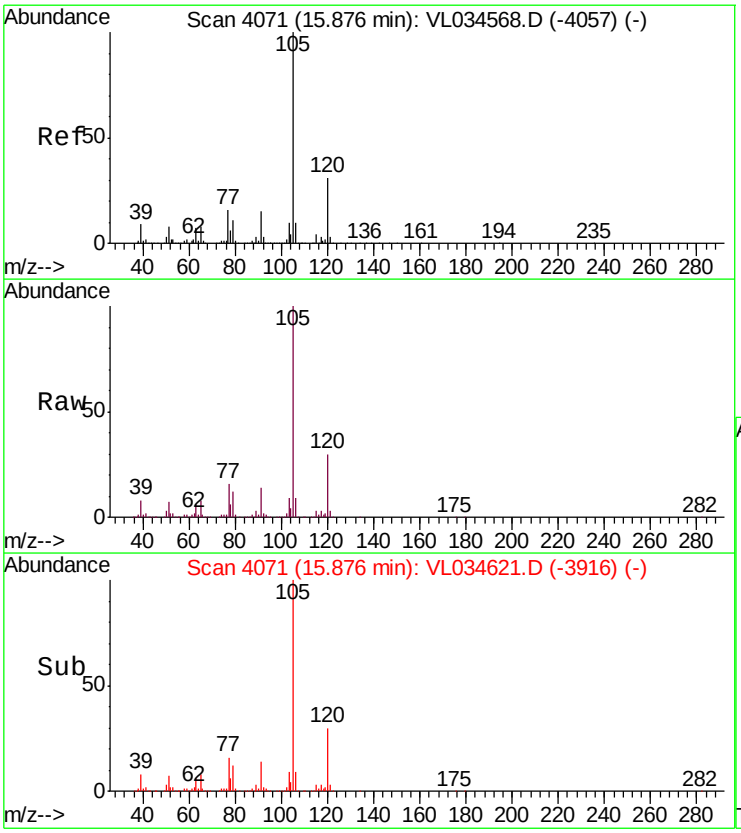
#71
2-Chlorotoluene
Concen: 10.033 ppbv
RT: 15.49 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion: 91 Resp: 2580157

Ion	Ratio	Lower	Upper
91	100		
126	30.2	12.0	47.8

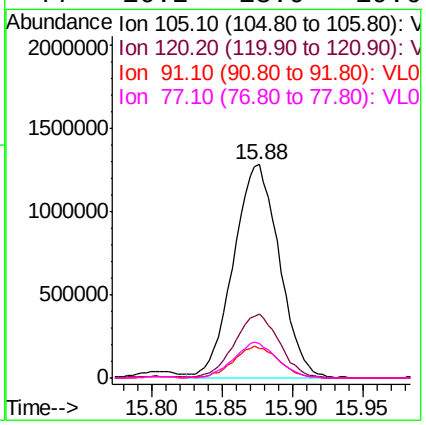


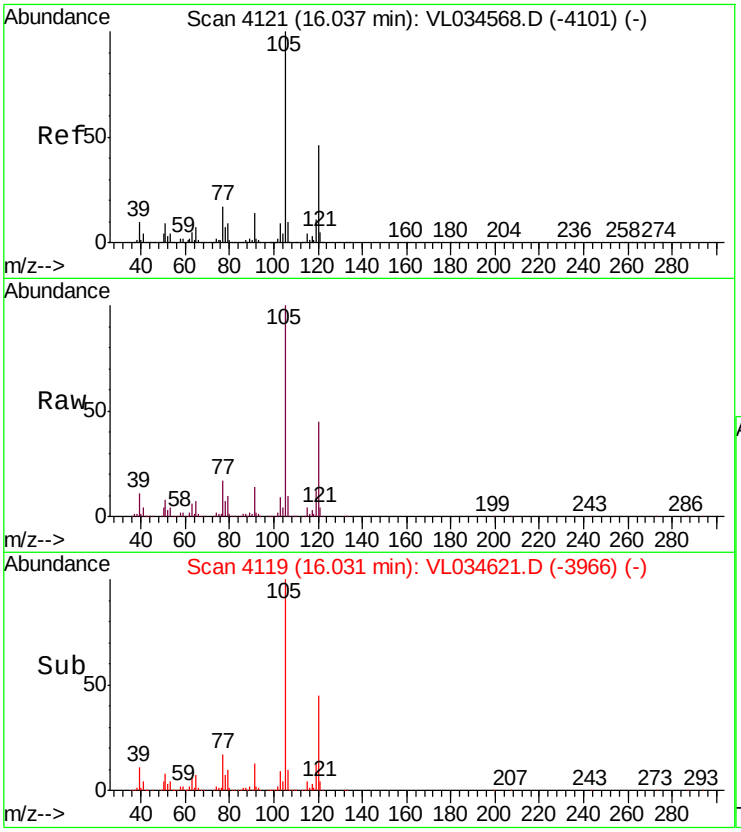


#72
4-Ethyltoluene
Concen: 10.095 ppbv
RT: 15.88 min Scan# 4071
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:105 Resp: 2899061

Ion	Ratio	Lower	Upper
105	100		
120	30.3	23.8	35.6
91	14.7	11.8	17.8
77	16.2	13.0	19.6



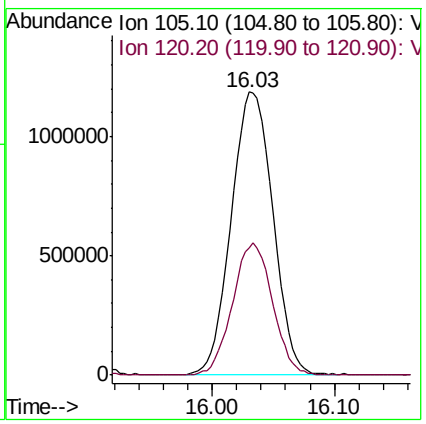


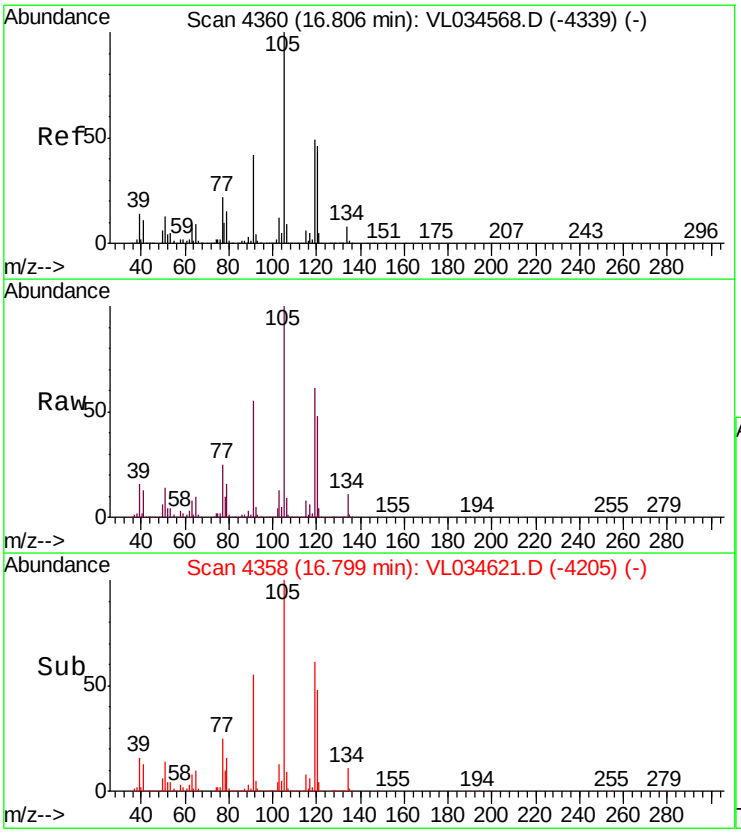
#73
1,3,5-Trimethylbenzene
Concen: 9.946 ppbv
RT: 16.03 min Scan# 4119
Delta R.T. -0.01 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion:105 Resp: 2790961

Ion	Ratio	Lower	Upper
105	100		
120	44.9	37.0	55.6

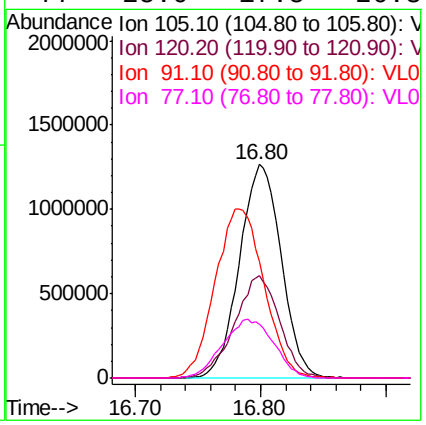


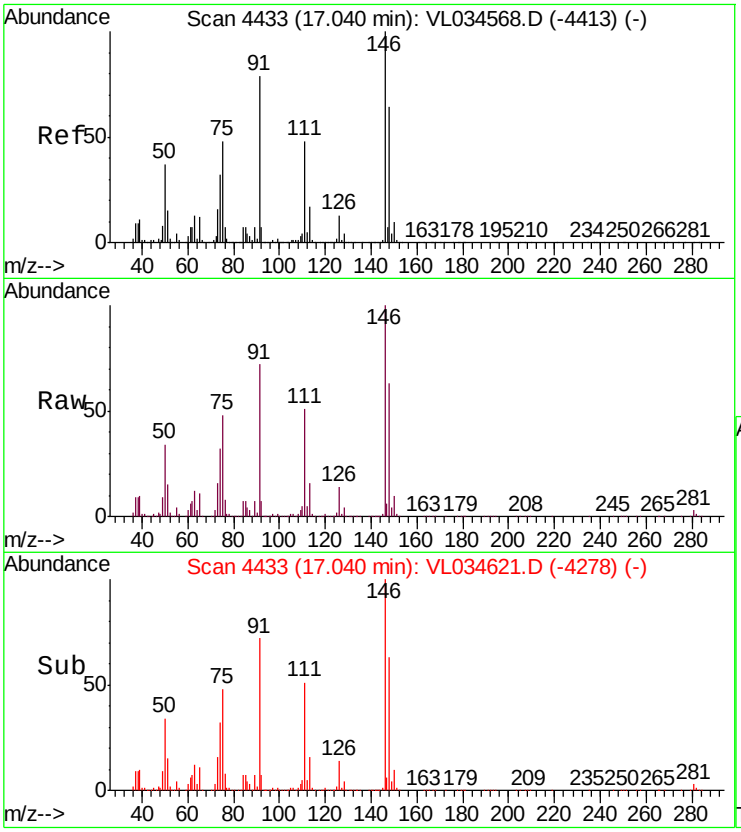


#74
1,2,4-Trimethylbenzene
Concen: 9.408 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. -0.01 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:105 Resp: 2922671

Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.1	55.7
91	54.5	34.3	51.5#
77	25.0	17.5	26.3



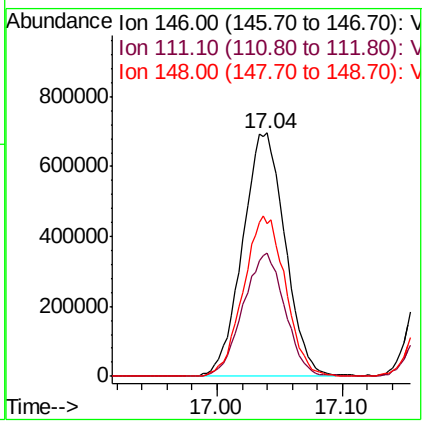


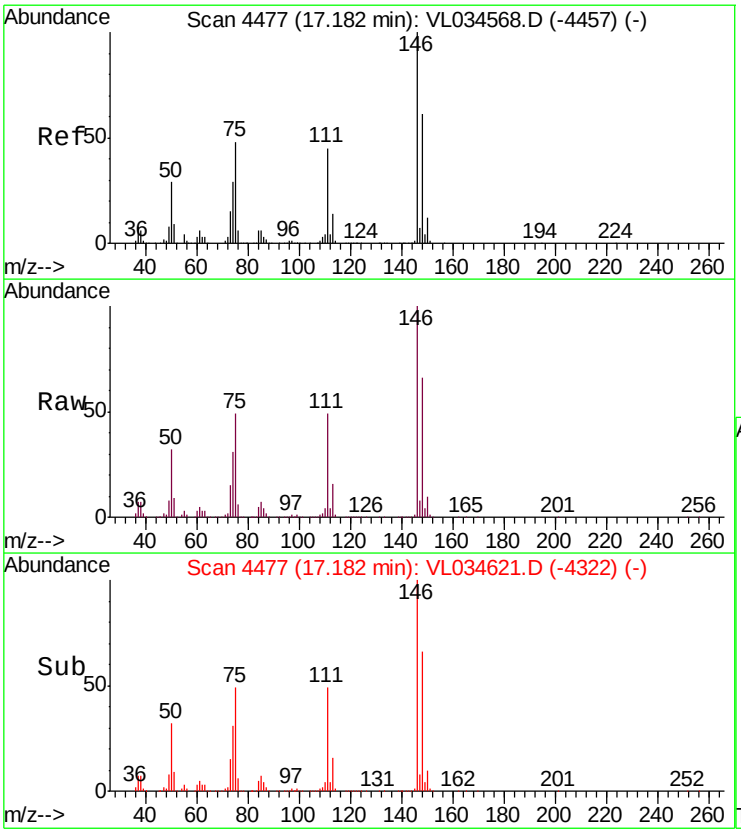
#75
1,3-Dichlorobenzene
Concen: 9.166 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion:146 Resp: 1639618

Ion	Ratio	Lower	Upper
146	100		
111	49.8	24.7	74.1
148	65.2	32.8	98.4

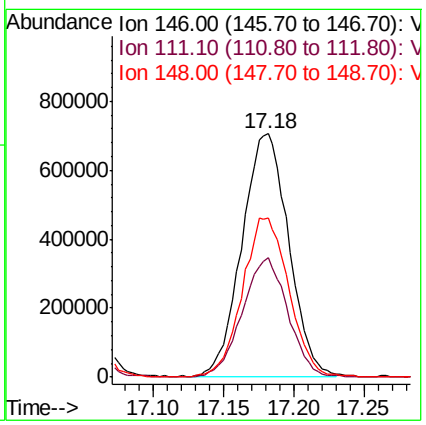


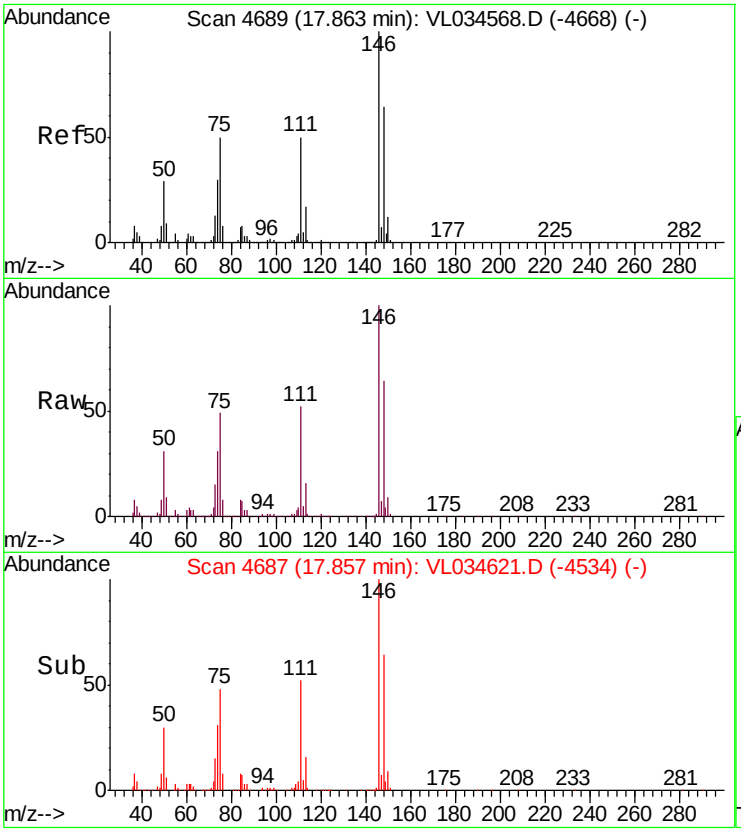


#76
1,4-Dichlorobenzene
Concen: 9.305 ppbv
RT: 17.18 min Scan# 4477
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:146 Resp: 1640382

Ion	Ratio	Lower	Upper
146	100		
111	47.4	24.1	72.2
148	65.2	32.6	98.0



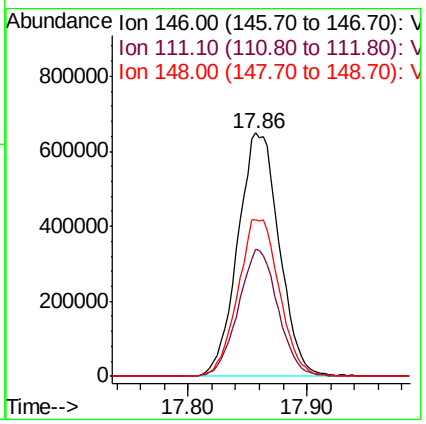


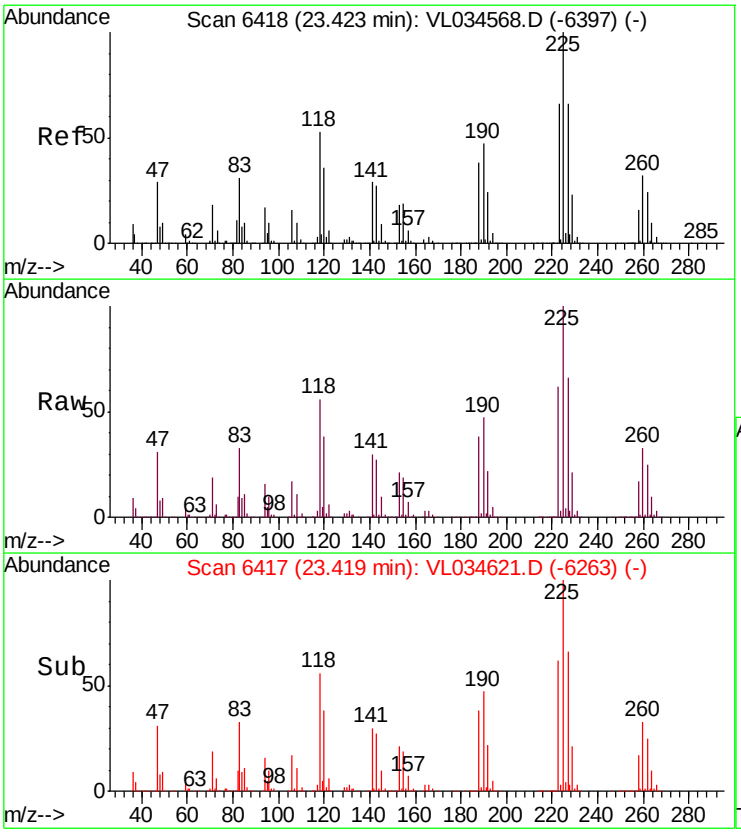
#77
1,2-Dichlorobenzene
Concen: 9.053 ppbv
RT: 17.86 min Scan# 4687
Delta R.T. -0.01 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument : MSVOA_L
ClientSampleId : VL0218ABS01

Tgt Ion:146 Resp: 1555641

Ion	Ratio	Lower	Upper
146	100		
111	50.3	25.1	75.3
148	65.0	32.2	96.6

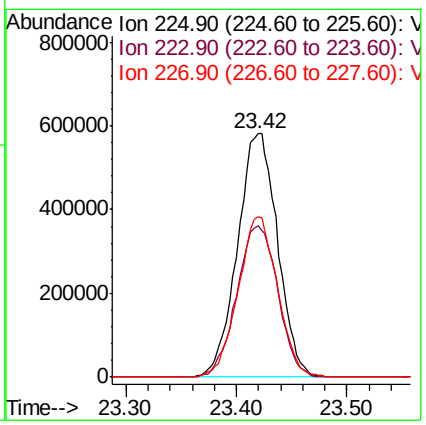


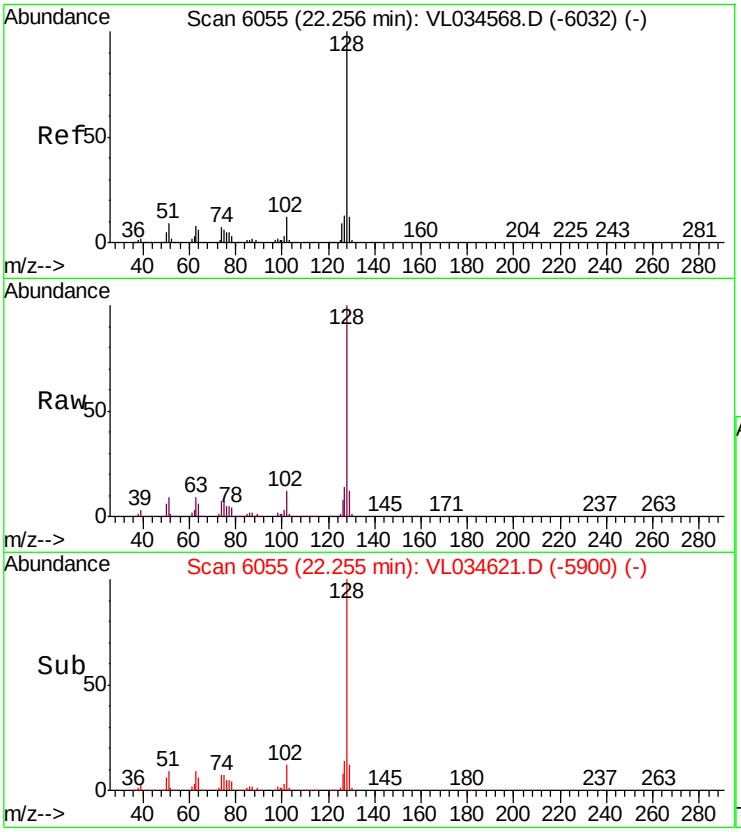


#78
Hexachloro-1,3-Butadiene
Concen: 8.901 ppbv
RT: 23.42 min Scan# 6417
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:225 Resp: 1462607

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.9	76.3
227	64.6	51.6	77.4



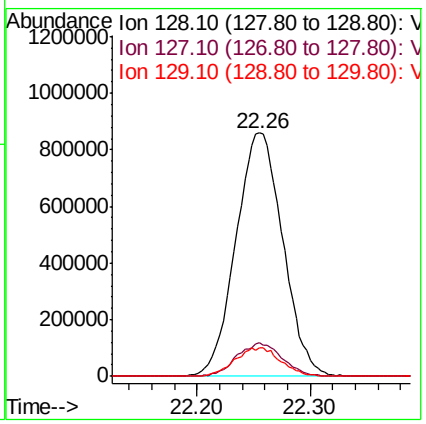


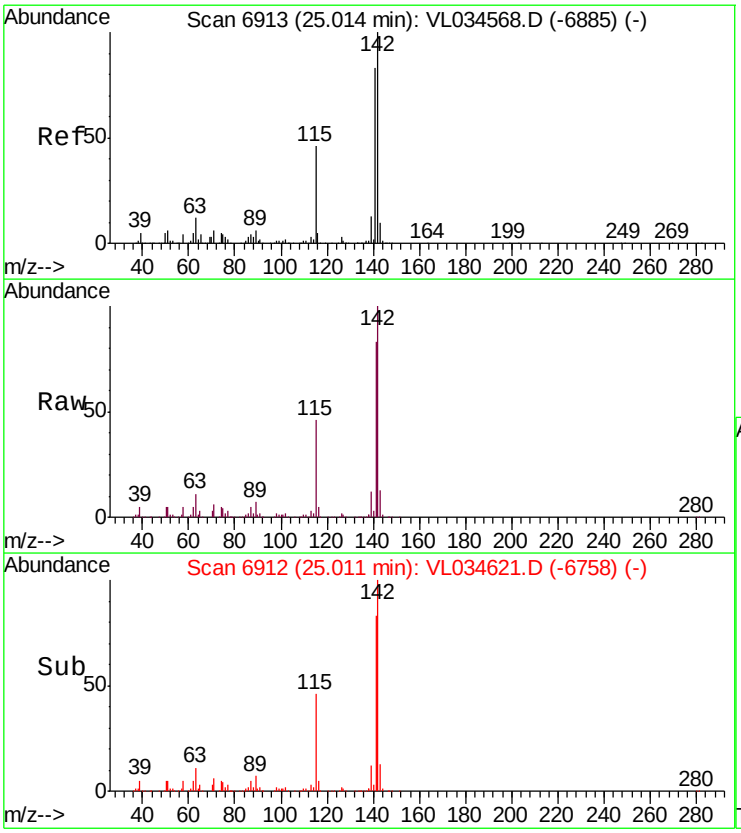
#79
Naphthalene
Concen: 10.072 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion:128 Resp: 2463197

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.1	15.1
129	11.7	9.3	13.9

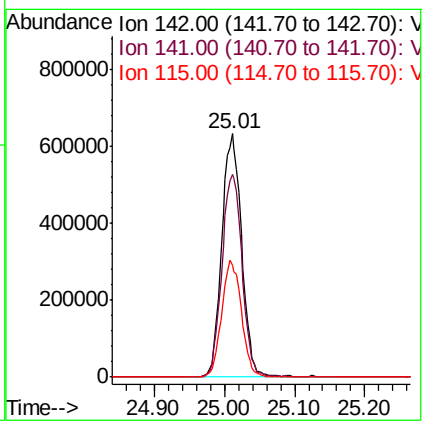


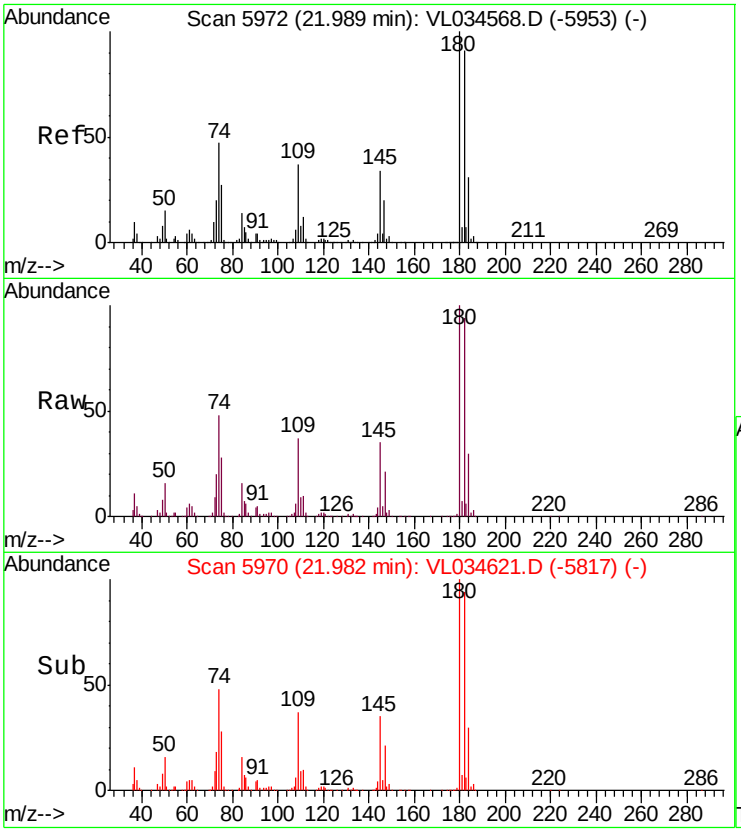


#80
Naphthalene,2-methyl-
Concen: 13.249 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. -0.00 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Tgt Ion:142 Resp: 1246598

Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.0	100.4
115	47.8	39.5	59.3





#81
1,2,4-Trichlorobenzene
Concen: 10.074 ppbv
RT: 21.98 min Scan# 5970
Delta R.T. -0.01 min
Lab File: VL034621.D
Acq: 18 Feb 2020 12:12

Instrument :
MSVOA_L
ClientSampleId :
VL0218ABS01

Tgt Ion:180 Resp: 1518943

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.8	116.6
184	30.6	25.4	38.0