Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030920\

Quantitation Report (Not Reviewed)

Data File : VL034860.D
Acq On : 10 Mar 2020 4:58
Operator : SY/AP
Sample : L1161-13 0.03LOD
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 11 04:12:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	863397	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	1924674	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	1892966	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1536062	10.40	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.00	85	2459	0.021	ppbv		96
3) Chlorodifluoromethane	2.95	51	3463	0.036	ppbv		94
4) Chloromethane	3.11	50	2202	0.040	ppbv		90
5) Vinyl Chloride	3.21	62	612	0.012	ppbv	#	46
8) Dichlorotetrafluoroethane	3.15	85	4601	0.037	ppbv		98
9) Propene	2.96	41	837	0.018	ppbv	#	1
11) Trichlorofluoromethane	3.93	101	1467	0.012	ppbv		87
12) 1,1,2-Trichlorotrifluoroet	4.46	101	3103	0.035	ppbv		84
13) Ethanol	3.58	45	429	0.031	ppbv	#	35
15) Acetone	3.85	43	12134	0.108	ppbv	#	67
16) 1,3-Butadiene	3.29	39	1487	0.029	ppbv	#	74
17) tert-Butyl alcohol	4.30	59	1719	0.016	ppbv		95
18) 1,1-Dichloroethene	4.26	96	636	0.016	ppbv	#	47
20) Methylene Chloride	4.32	84	3791	0.107	ppbv	#	76
21) Allyl Chloride	4.38	41	720	0.010	ppbv	#	20
22) trans-1,2-Dichloroethene	4.87	96	965	0.024	ppbv	#	45
24) 1,1-Dichloroethane	4.99	63	3595	0.032	ppbv	#	90
27) Carbon Disulfide	4.53	76	1148	0.012	ppbv	#	62
28) Methyl tert-Butyl Ether	5.04	73	2810	0.020	ppbv	#	65
29) Chloroform	5.74	83	3227	0.025	ppbv	#	59
30) Cyclohexane	7.13	84	1018	0.014	ppbv	#	1
32) 1,1,1-Trichloroethane	6.51	97	1783	0.014	ppbv	#	1
35) Carbon Tetrachloride	7.02	117	1879	0.016	ppbv	#	47
36) Benzene	6.89	78	3559	0.021	ppbv	#	80
37) 1,2-Dichloroethane	6.29	62	1654	0.017	ppbv	#	81
38) Trichloroethene	7.84	130	878	0.013	ppbv	#	47
39) 1,2-Dichloropropane	7.17	63	514075	7.563	ppbv	#	23
42) Bromodichloromethane	7.79	83	2232	0.017	ppbv	#	91
46) cis-1,3-Dichloropropene	8.72	75	1012	0.010	ppbv	#	36
49) Bromoform	13.06	173	1077	0.011	ppbv	#	27
52) Tetrachloroethene	11.24	164	964	0.014	ppbv	#	18
56) 1,1,1,2-Tetrachloroethane	12.15	131	2418	0.028	ppbv	#	9
57) Chlorobenzene	12.17	112	3407	0.023	ppbv	#	64
63) 1,1,2,2-Tetrachloroethane	13.71	83	1539	0.011	ppbv	#	1
71) 2-Chlorotoluene	15.48	91	2807	0.012	ppbv	#	58
78) Hexachloro-1,3-Butadiene	23.42	225	1421	0.012	ppbv	#	18

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

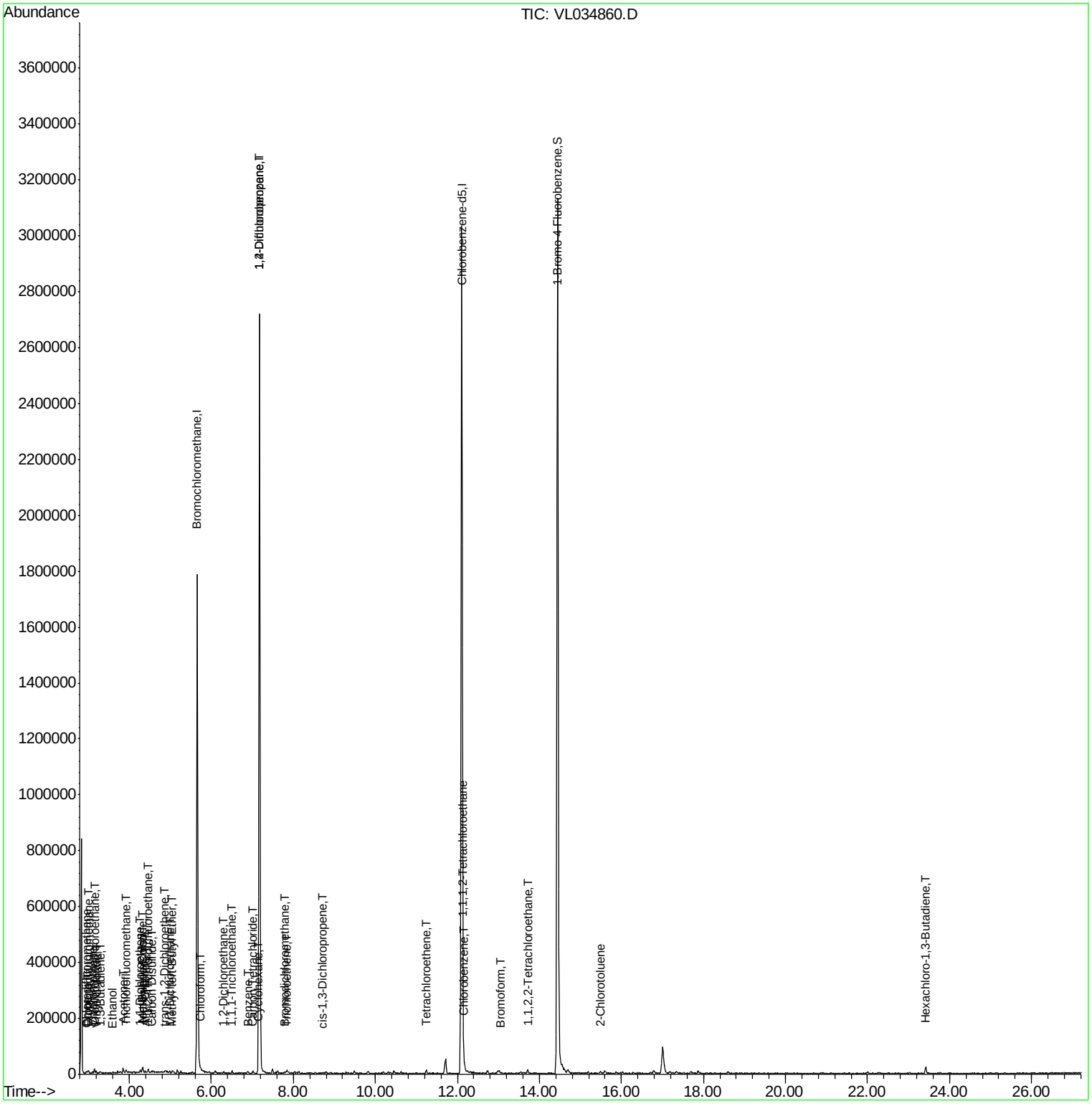
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030920\

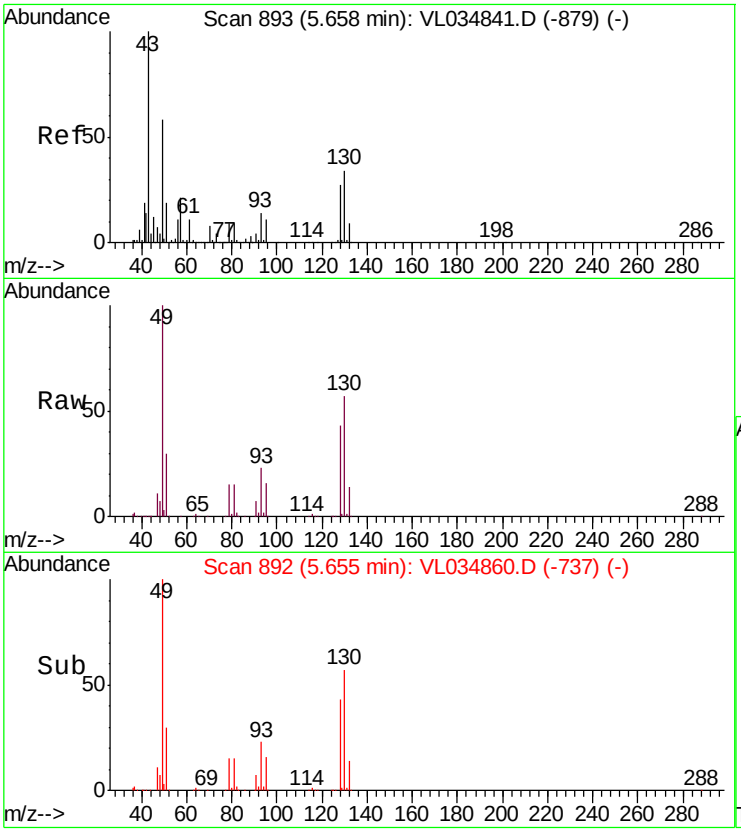
Quantitation Report (Not Reviewed)

Data File : VL034860.D
Acq On : 10 Mar 2020 4:58
Operator : SY/AP
Sample : L1161-13 0.03LOD
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 11 04:12:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration



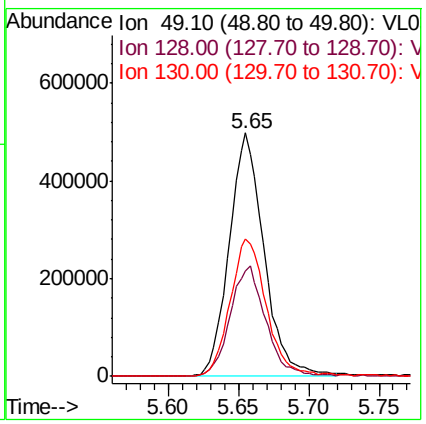


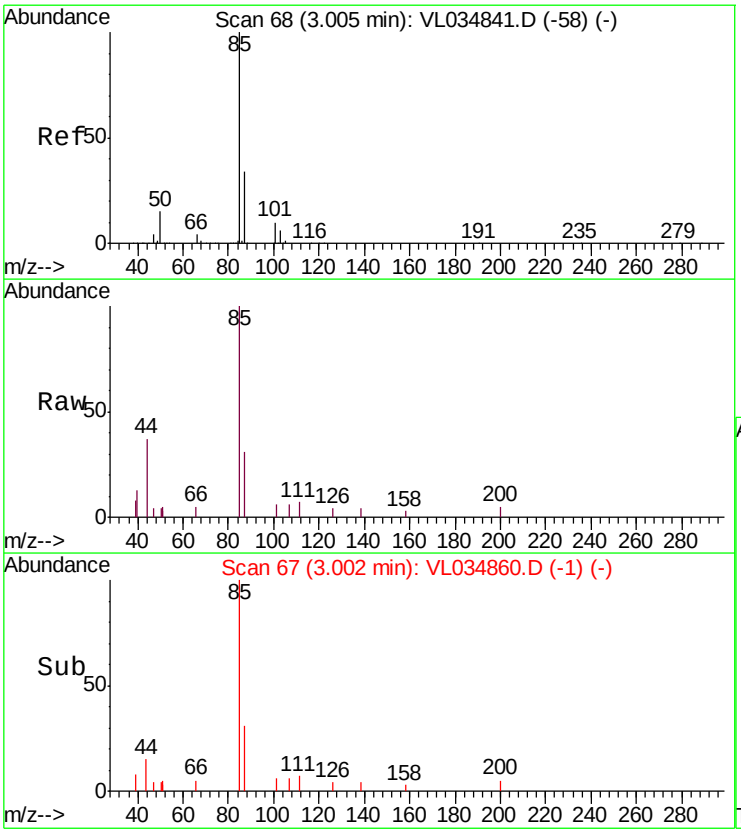
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 863397

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.4	70.3
130	59.8	30.0	90.0

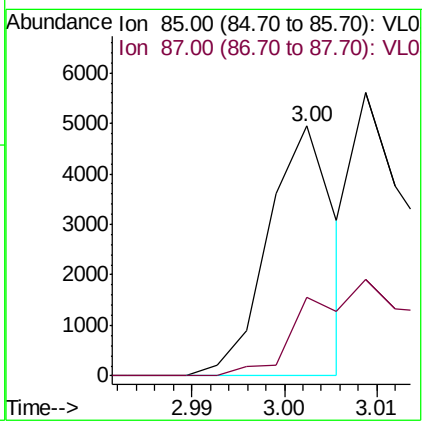


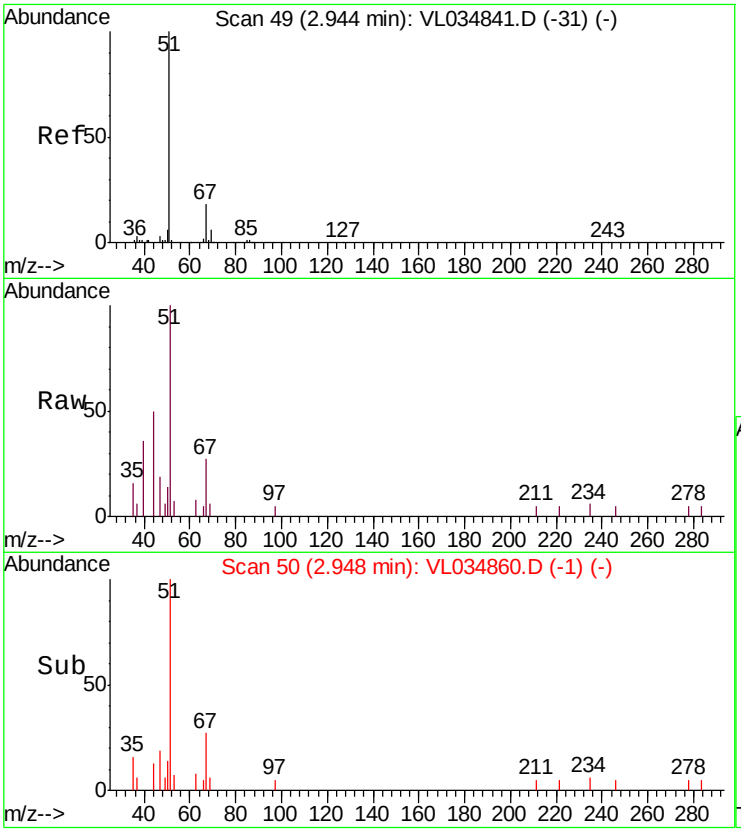


#2
Dichlorodifluoromethane
Concen: 0.021 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 85 Resp: 2459

Ion	Ratio	Lower	Upper
85	100		
87	31.4	26.9	40.3



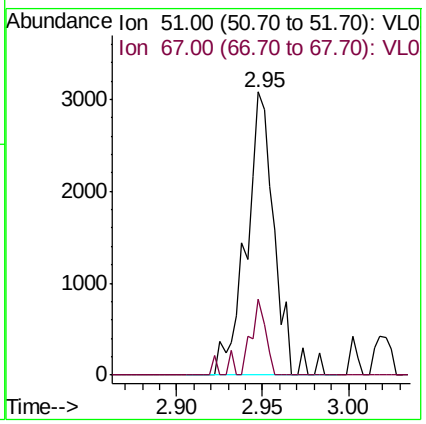


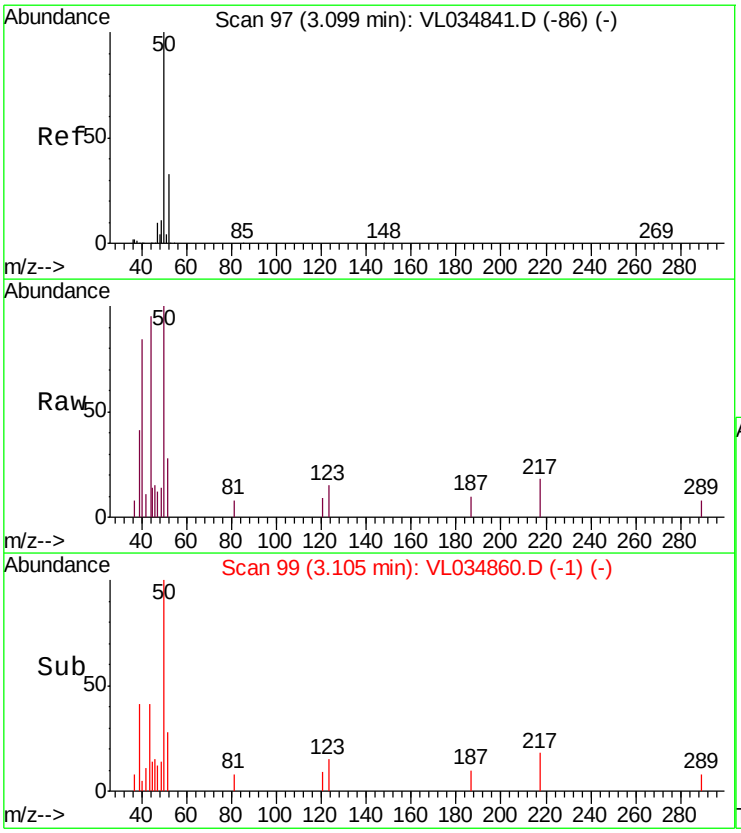
#3
Chlorodifluoromethane
Concen: 0.036 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 3463

Ion	Ratio	Lower	Upper
51	100		
67	15.2	14.3	21.5

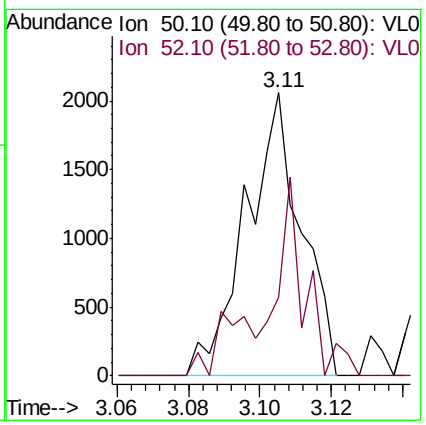


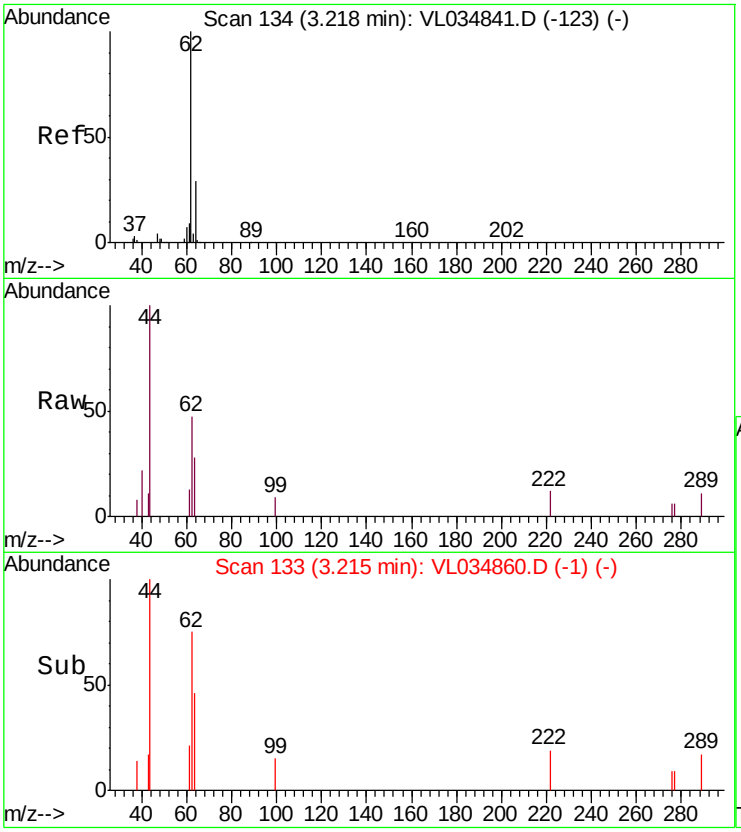


#4
Chloromethane
Concen: 0.040 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 50 Resp: 2202

Ion	Ratio	Lower	Upper
50	100		
52	27.6	26.8	40.2



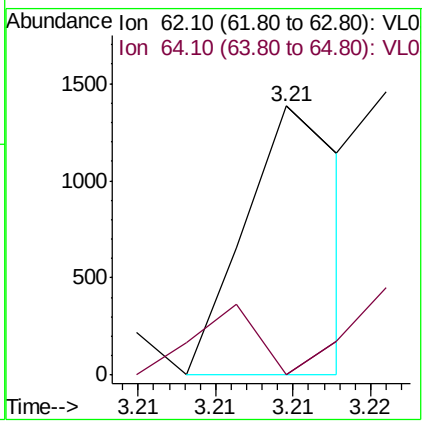


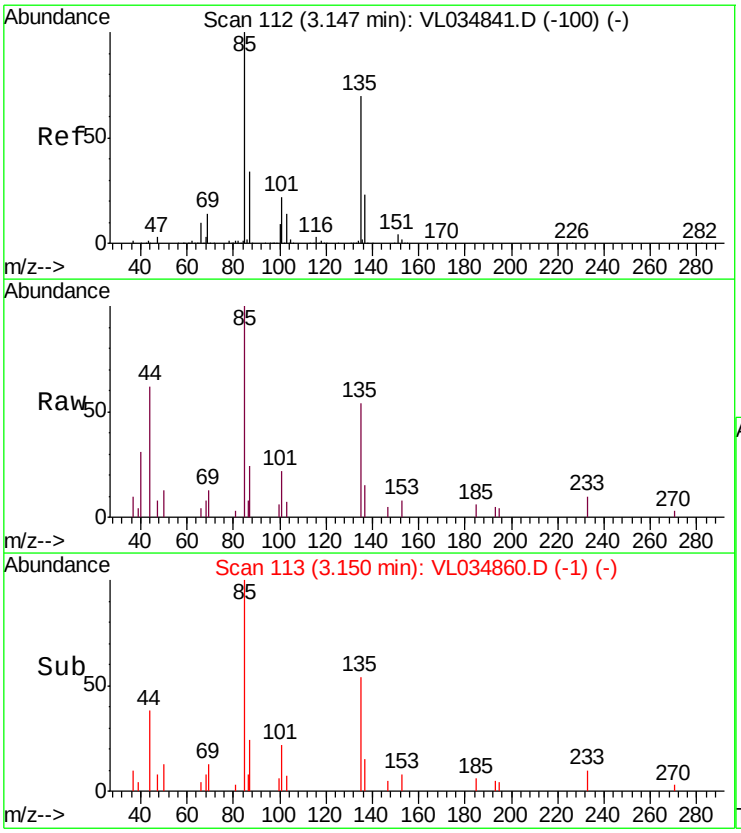
#5
Vinyl Chloride
Concen: 0.012 ppbv
RT: 3.21 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 612

Ion	Ratio	Lower	Upper
62	100		
64	0.0	23.0	34.4#

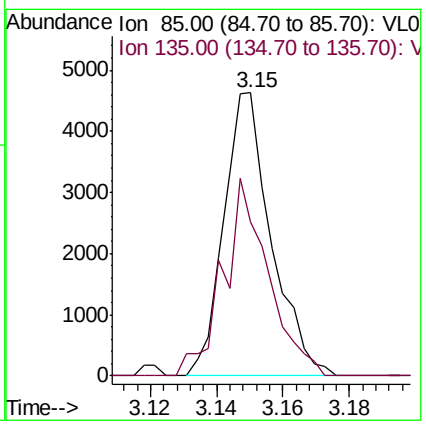


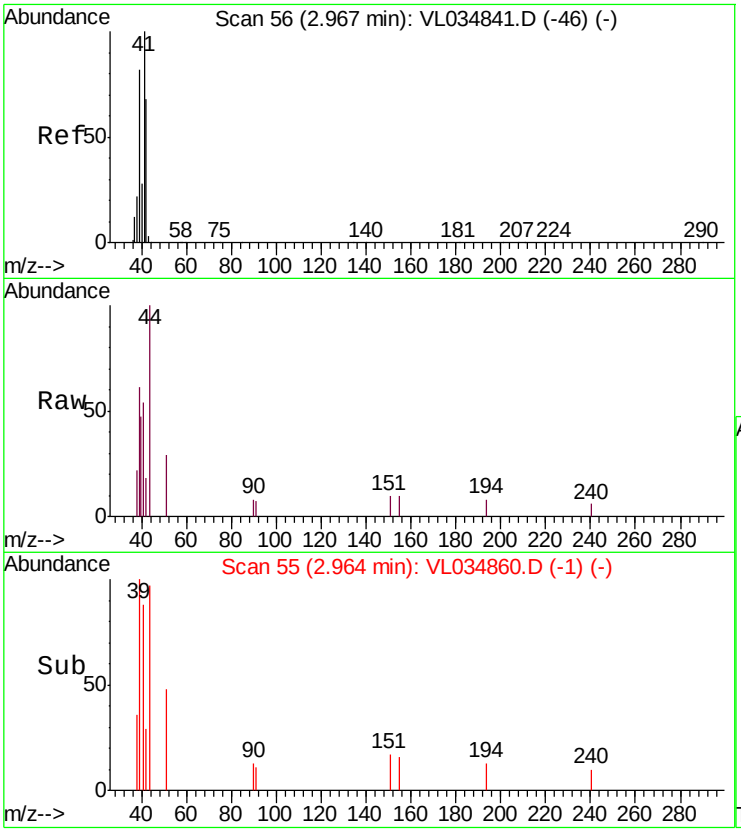


#8
Dichlorotetrafluoroethane
Concen: 0.037 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 85 Resp: 4601

Ion	Ratio	Lower	Upper
85	100		
135	66.1	54.3	81.5



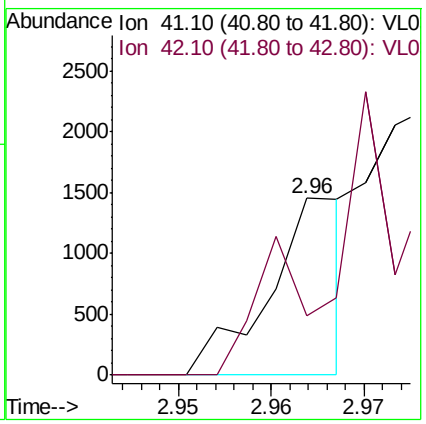


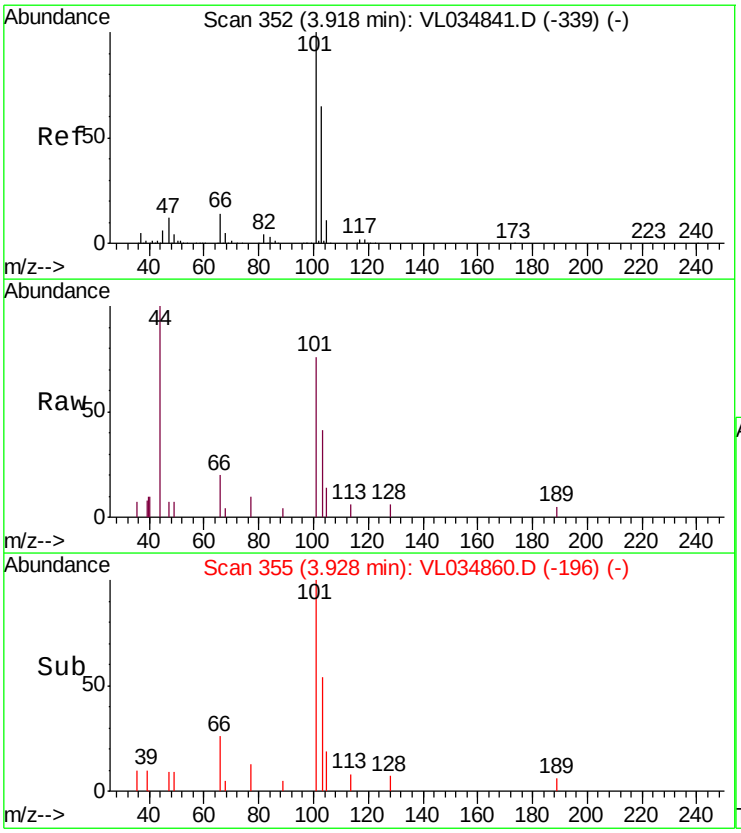
#9
Propene
Concen: 0.018 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 837

Ion	Ratio	Lower	Upper
41	100		
42	280.8	55.2	82.8#

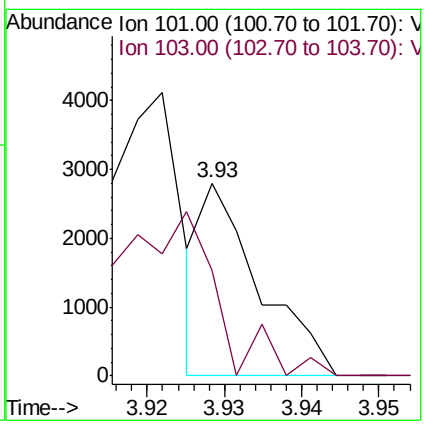


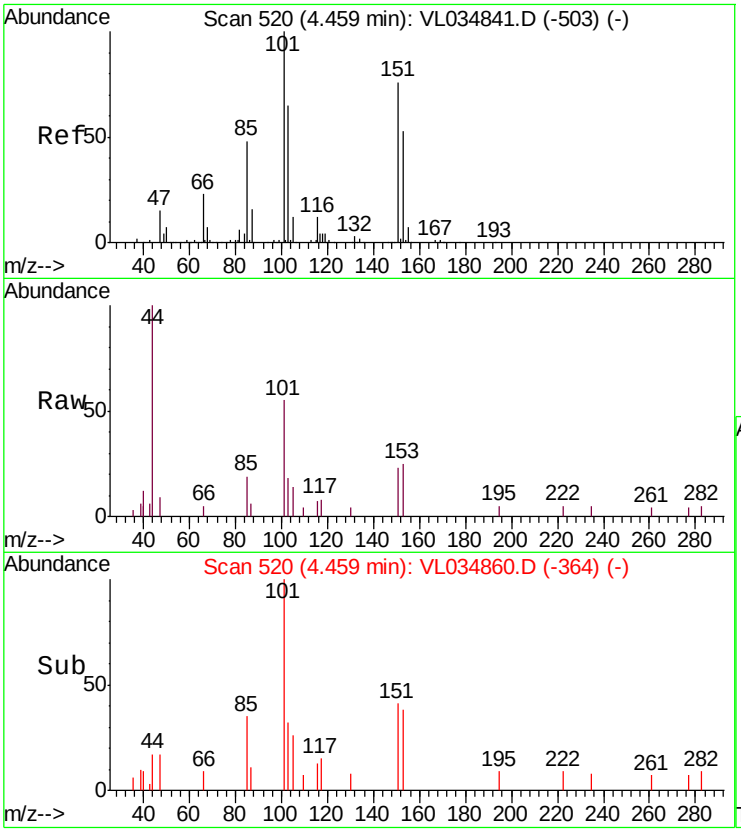


#11
Trichlorofluoromethane
Concen: 0.012 ppbv
RT: 3.93 min Scan# 355
Delta R.T. 0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion:101 Resp: 1467

Ion	Ratio	Lower	Upper
101	100		
103	54.4	51.8	77.8



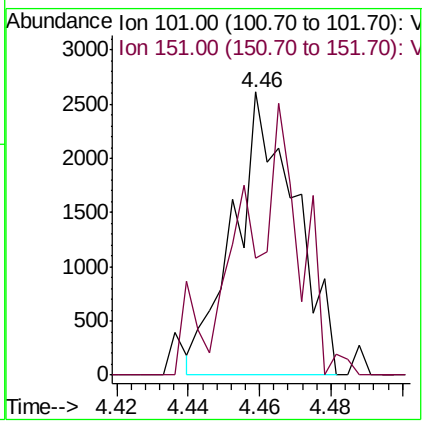


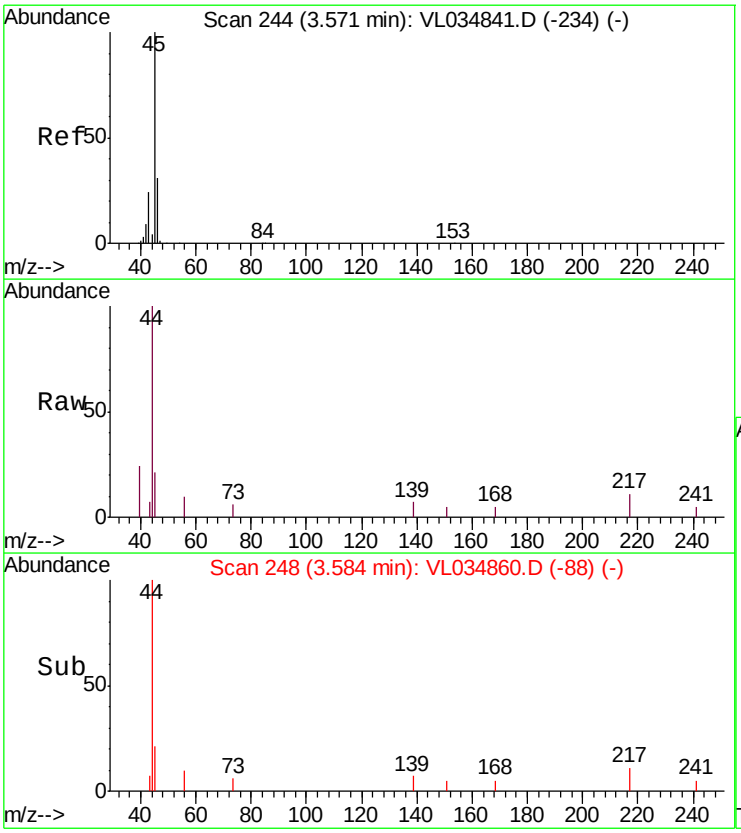
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.035 ppbv
RT: 4.46 min Scan# 520
Delta R.T. 0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 3103

Ion	Ratio	Lower	Upper
101	100		
151	89.7	60.8	91.2

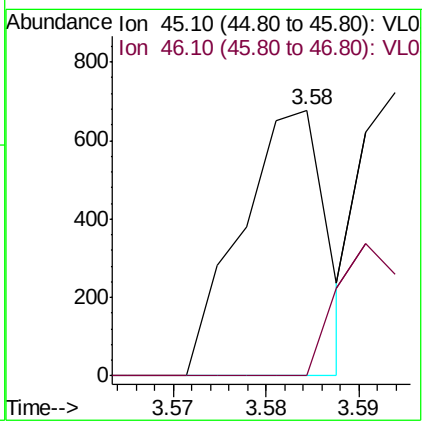


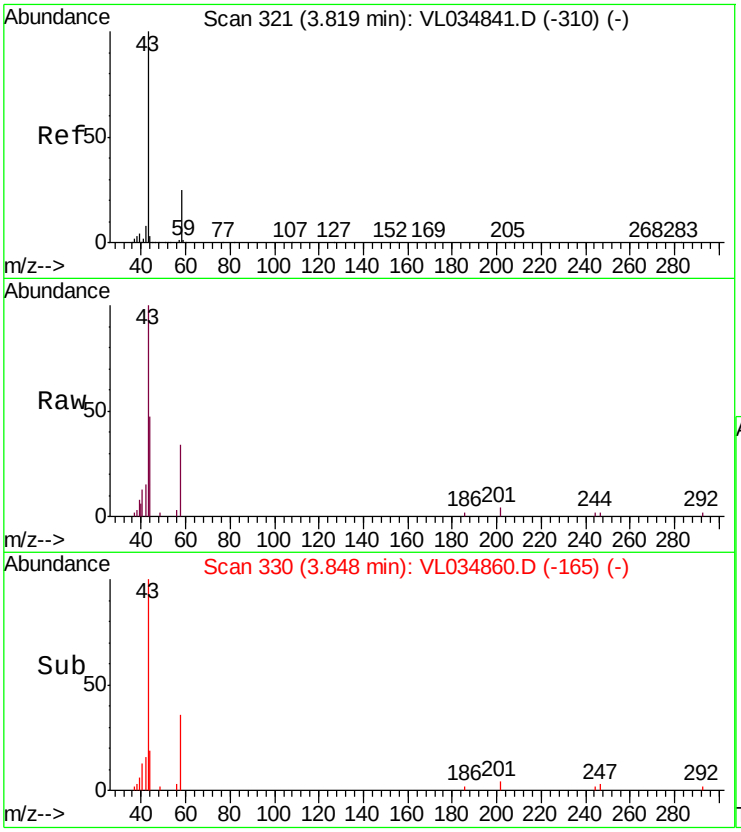


#13
Ethanol
Concen: 0.031 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 45 Resp: 429

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.0	64.0#



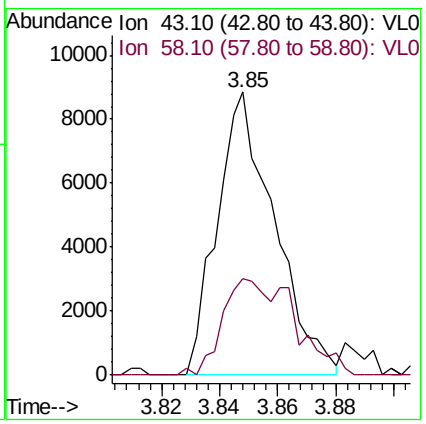


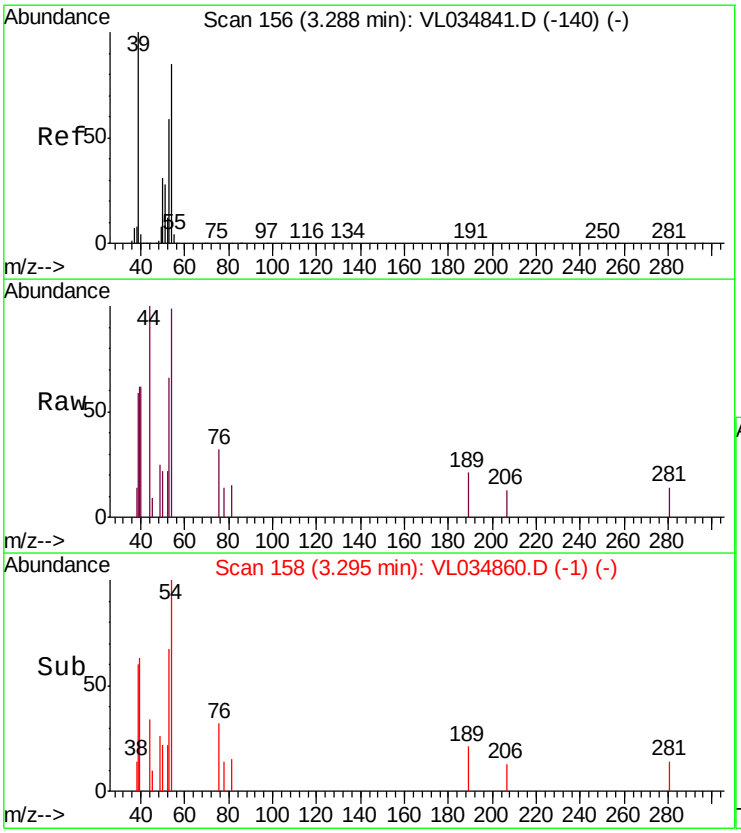
#15
Acetone
Concen: 0.108 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.03 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 12134

Ion	Ratio	Lower	Upper
43	100		
58	43.0	21.0	31.6#

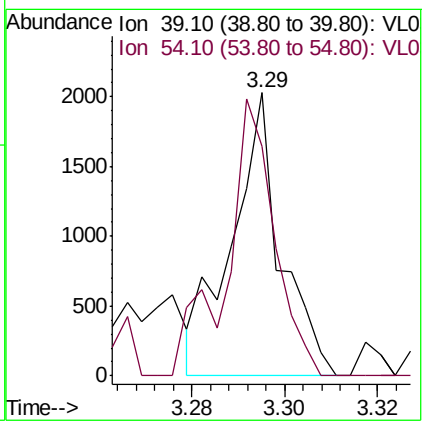


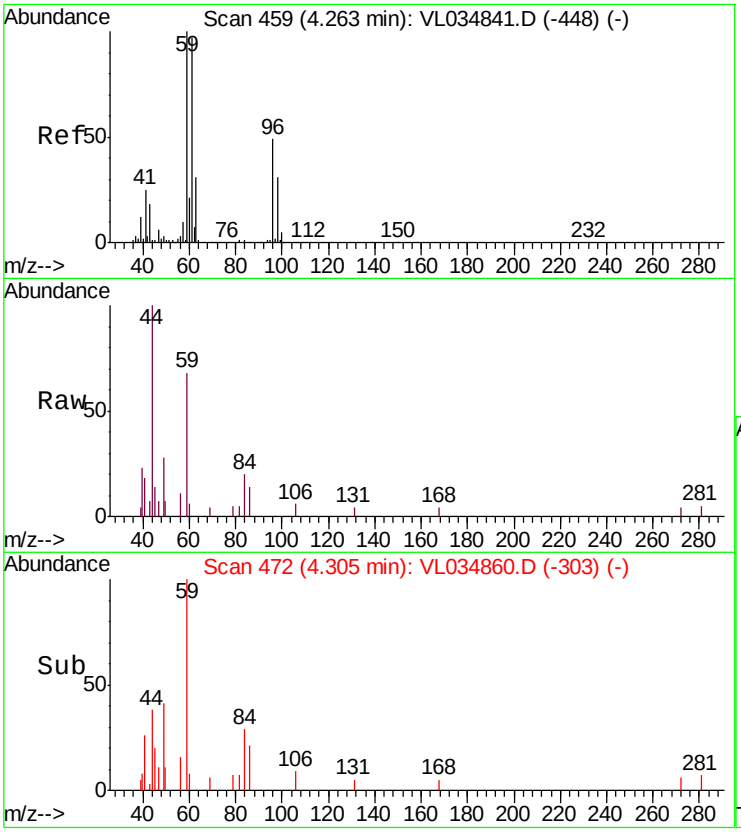


#16
1,3-Butadiene
Concen: 0.029 ppbv
RT: 3.29 min Scan# 158
Delta R.T. 0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 39 Resp: 1487

Ion	Ratio	Lower	Upper
39	100		
54	104.2	65.0	97.6#



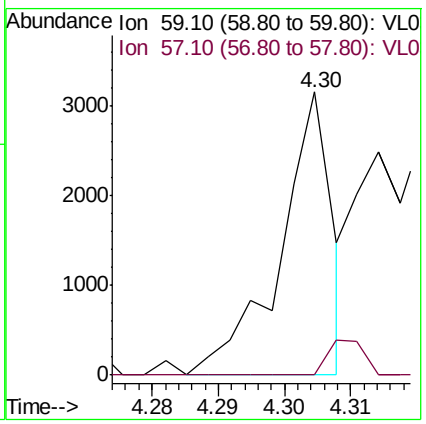


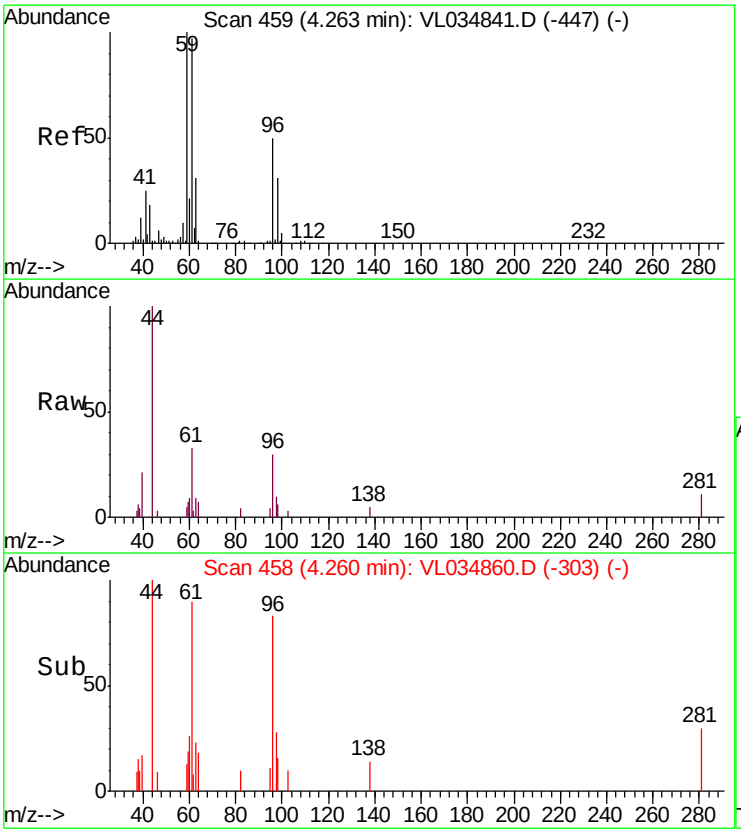
#17
tert-Butyl alcohol
Concen: 0.016 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.04 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1719

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.3	12.5

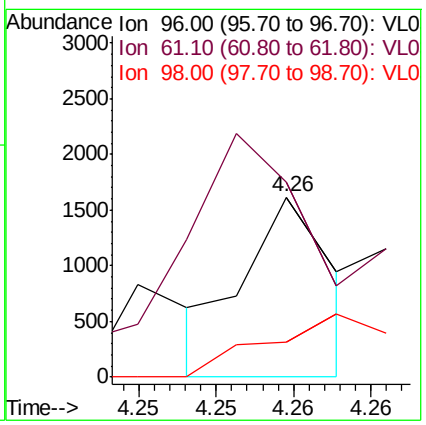


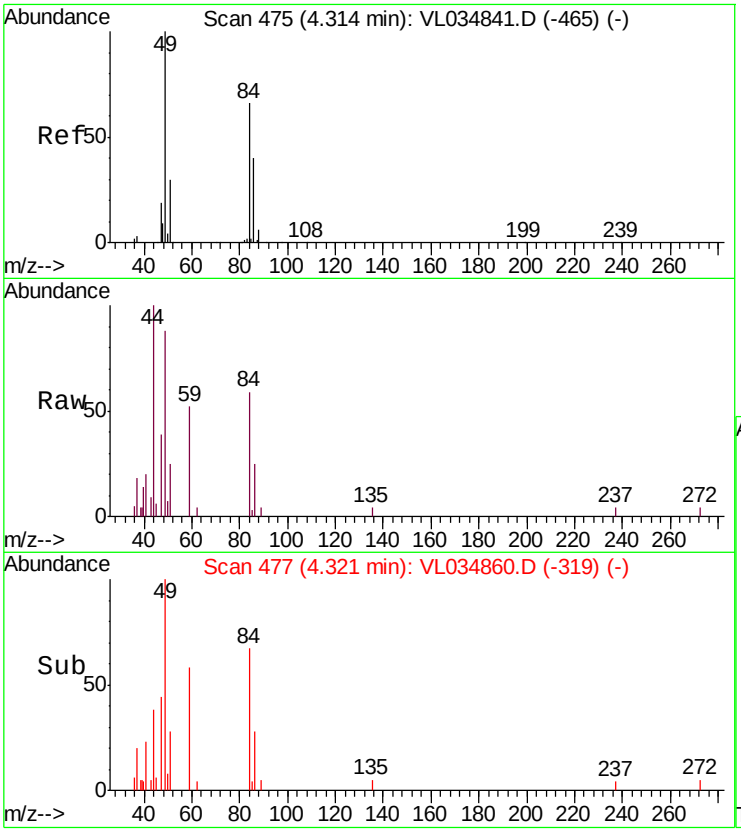


#18
1,1-Dichloroethene
Concen: 0.016 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 96 Resp: 636

Ion	Ratio	Lower	Upper
96	100		
61	110.4	157.3	235.9#
98	31.9	50.2	75.4#



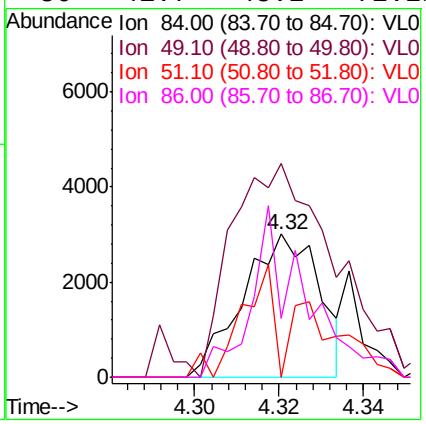


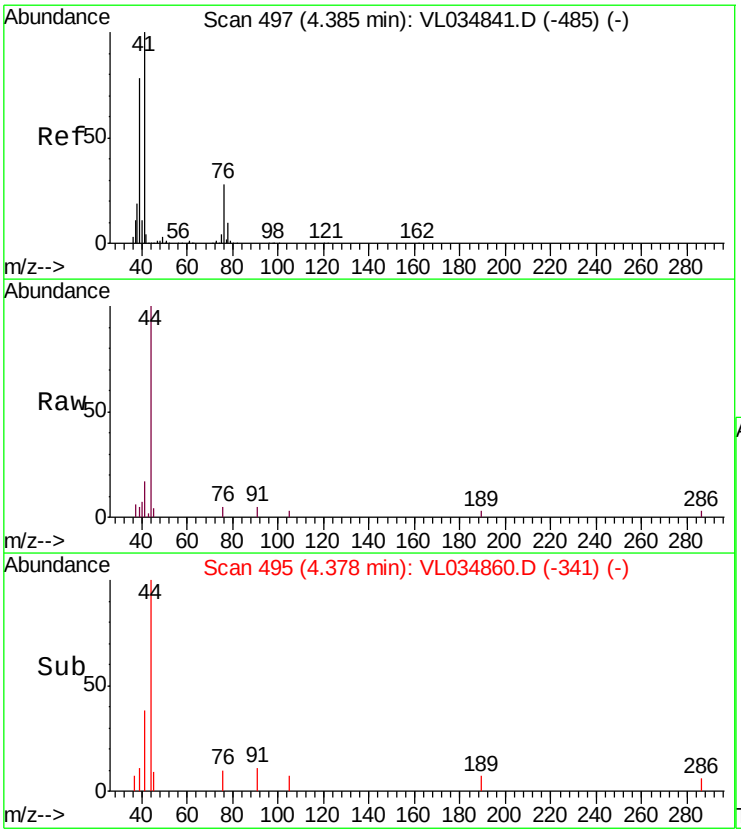
#20
Methylene Chloride
Concen: 0.107 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 3791

Ion	Ratio	Lower	Upper
84	100		
49	138.7	121.5	182.3
51	0.0	36.6	55.0#
86	41.7	48.2	72.2#

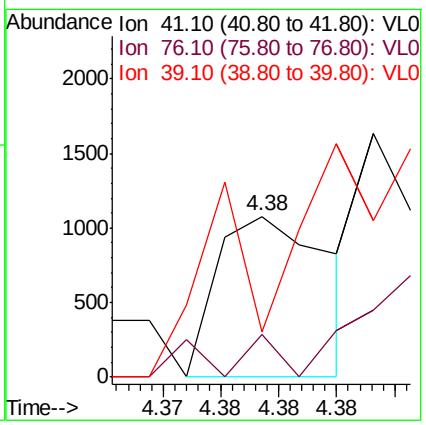


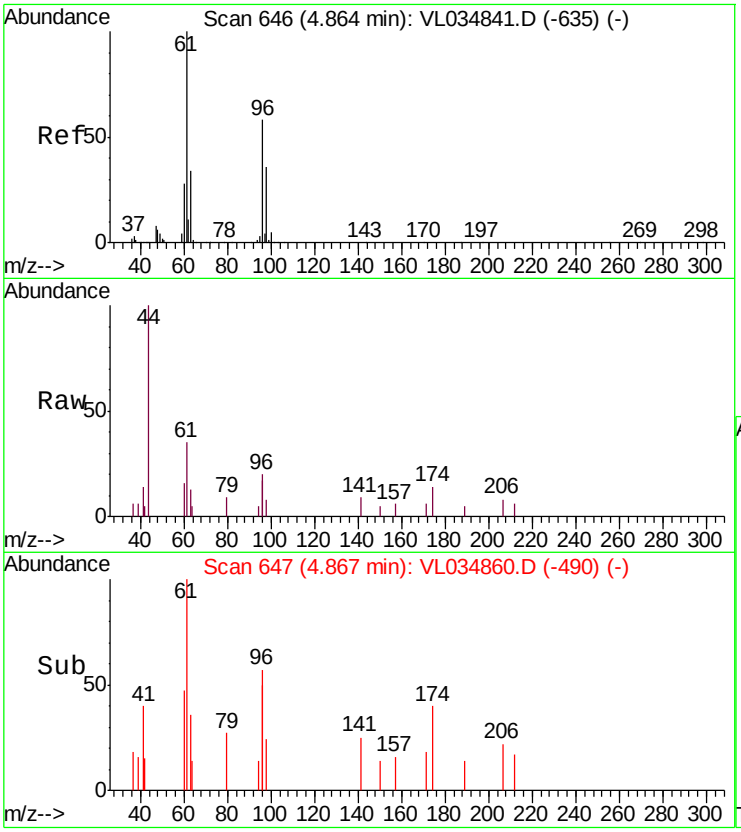


#21
Allyl Chloride
Concen: 0.010 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 41 Resp: 720

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.2	33.2#
39	0.0	62.6	93.8#



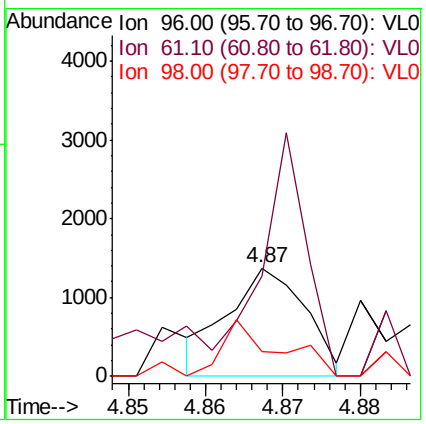


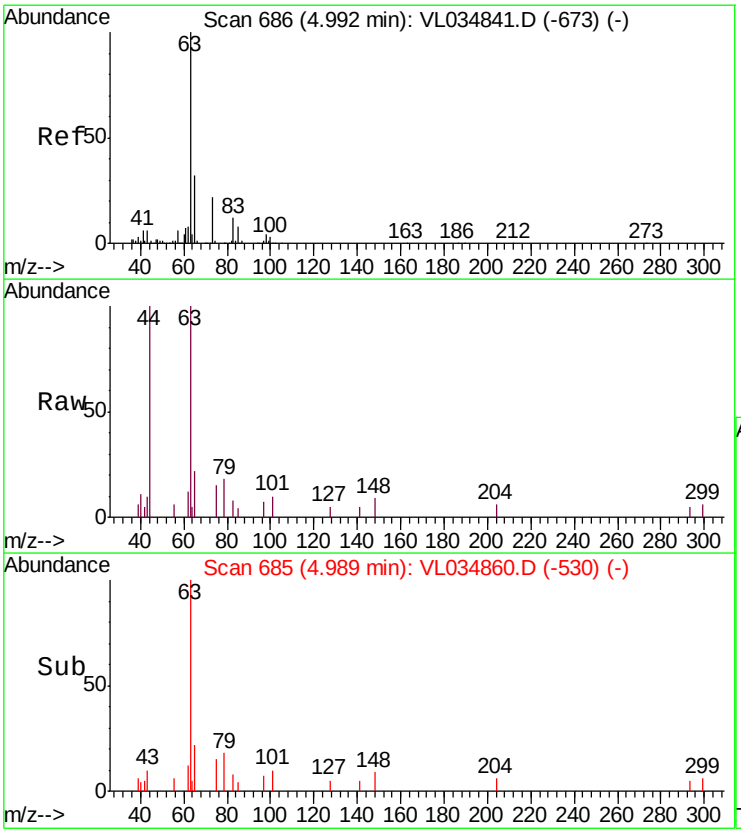
#22
trans-1,2-Dichloroethene
Concen: 0.024 ppbv
RT: 4.87 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 965

Ion	Ratio	Lower	Upper
96	100		
61	93.9	139.0	208.6#
98	25.9	50.3	75.5#

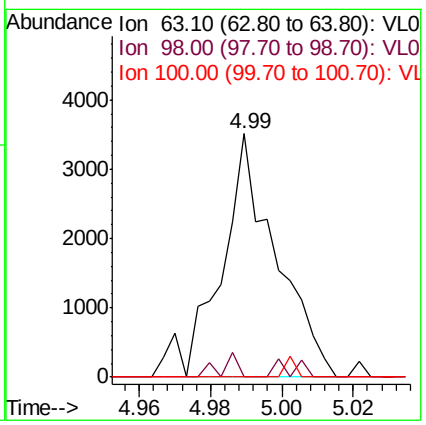


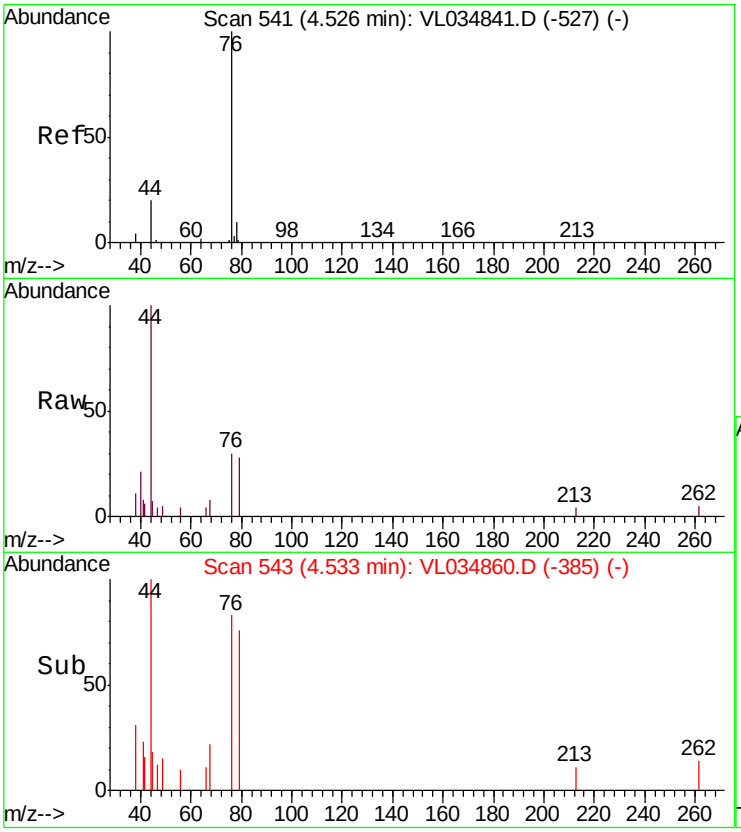


#24
1,1-Dichloroethane
Concen: 0.032 ppbv
RT: 4.99 min Scan# 685
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 63 Resp: 3595

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.0	5.8#
100	0.0	1.4	4.0#



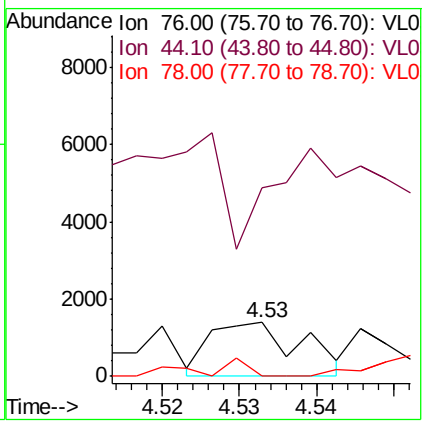


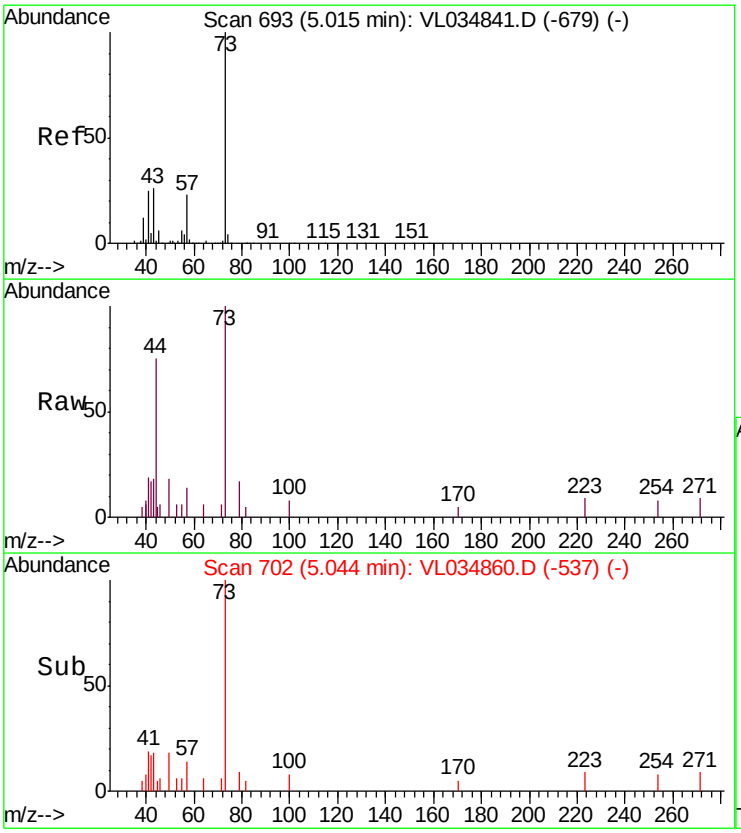
#27
Carbon Disulfide
Concen: 0.012 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1148

Ion	Ratio	Lower	Upper
76	100		
44	0.0	16.2	24.2#
78	0.0	7.8	11.6#

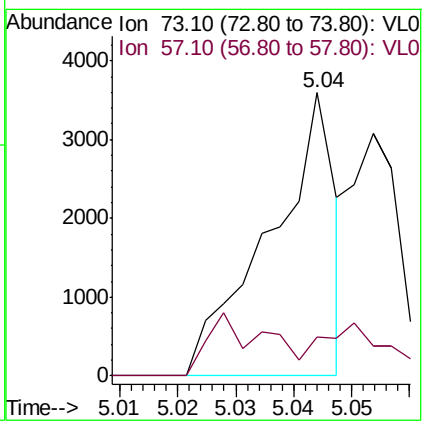


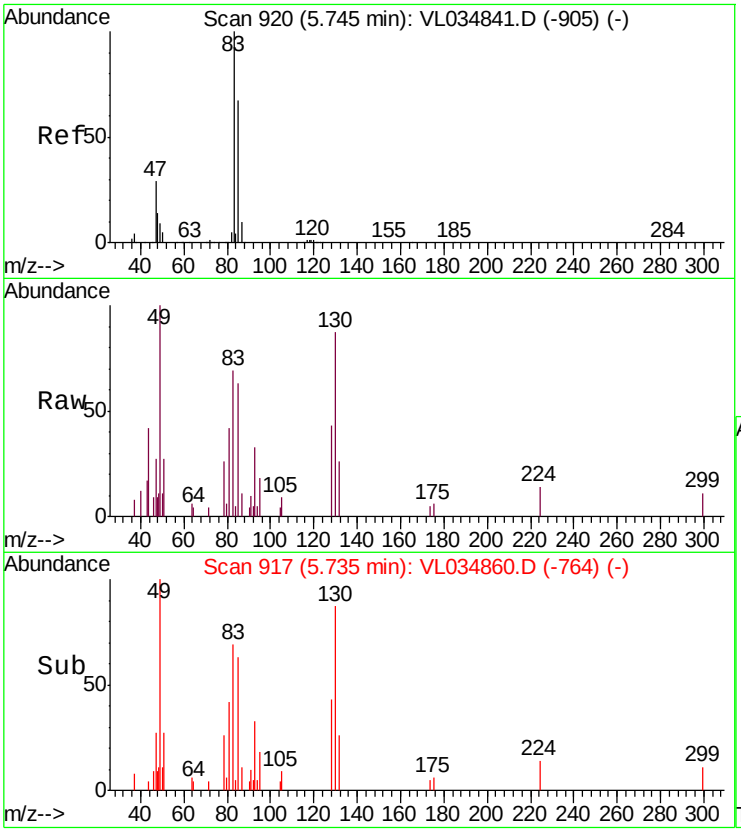


#28
Methyl tert-Butyl Ether
Concen: 0.020 ppbv
RT: 5.04 min Scan# 702
Delta R.T. 0.03 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 73 Resp: 2810

Ion	Ratio	Lower	Upper
73	100		
57	39.9	18.3	27.5#



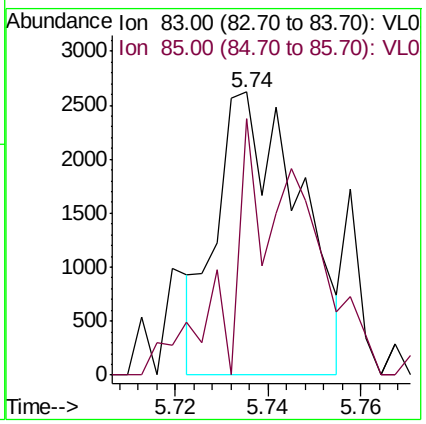


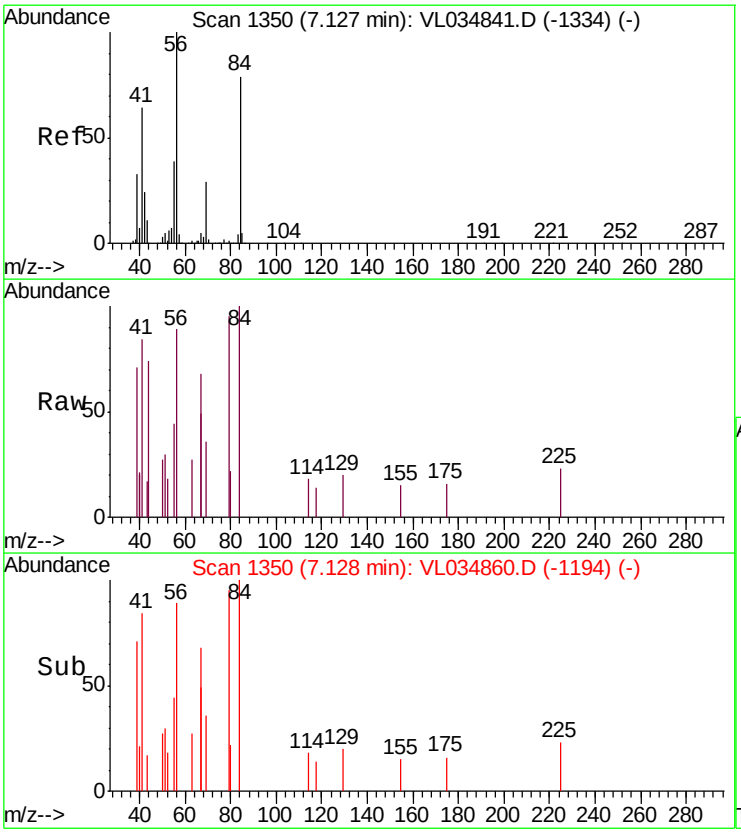
#29
Chloroform
Concen: 0.025 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 3227

Ion	Ratio	Lower	Upper
83	100		
85	100.4	53.8	80.6#

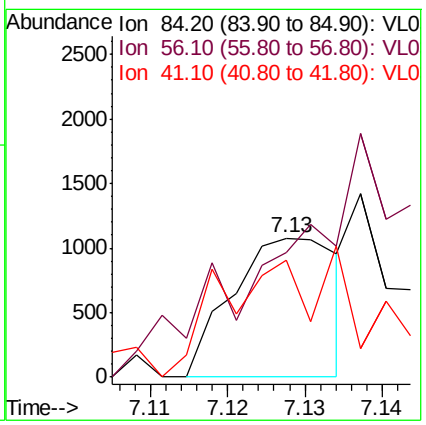


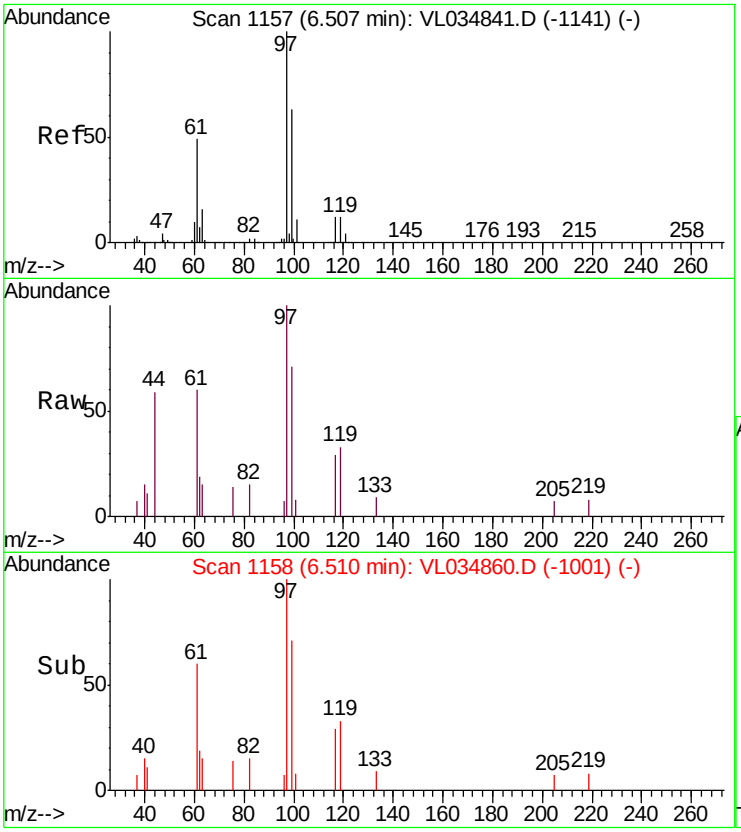


#30
Cyclohexane
Concen: 0.014 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 84 Resp: 1018

Ion	Ratio	Lower	Upper
84	100		
56	0.0	110.5	165.7#
41	0.0	68.2	102.4#



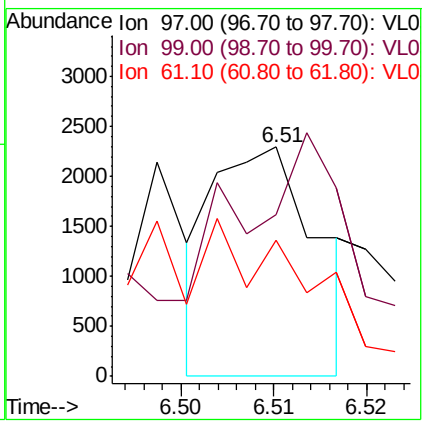


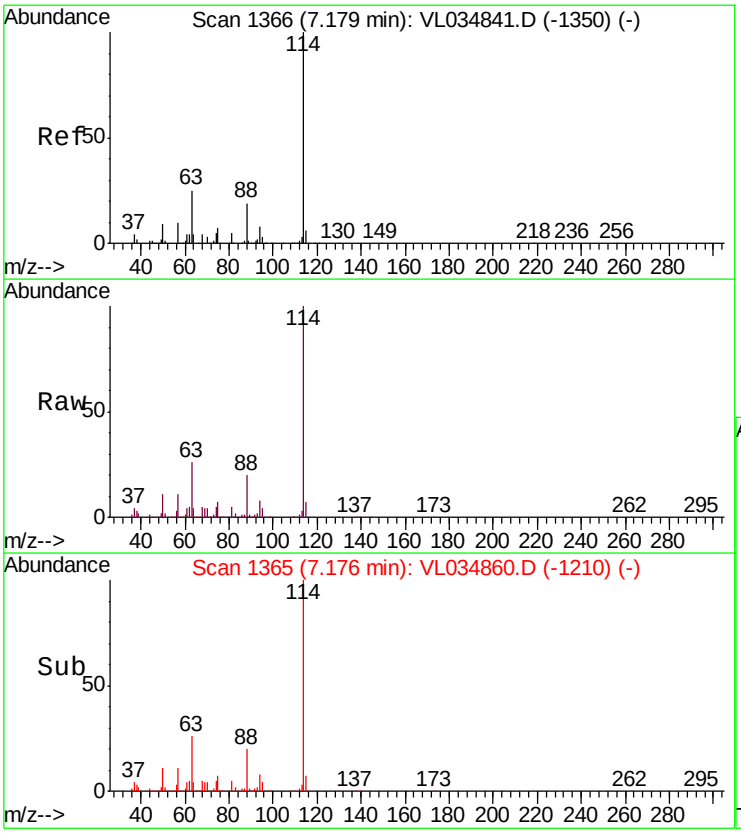
#32
1,1,1-Trichloroethane
Concen: 0.014 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 1783

Ion	Ratio	Lower	Upper
97	100		
99	157.0	51.1	76.7#
61	125.7	39.7	59.5#

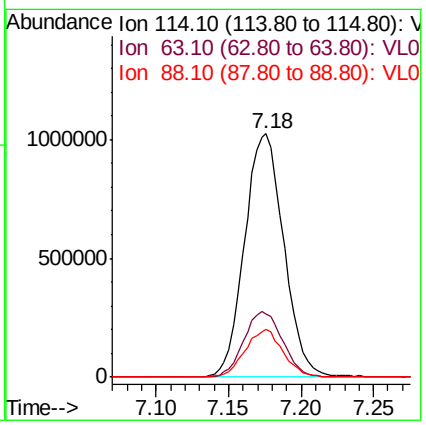


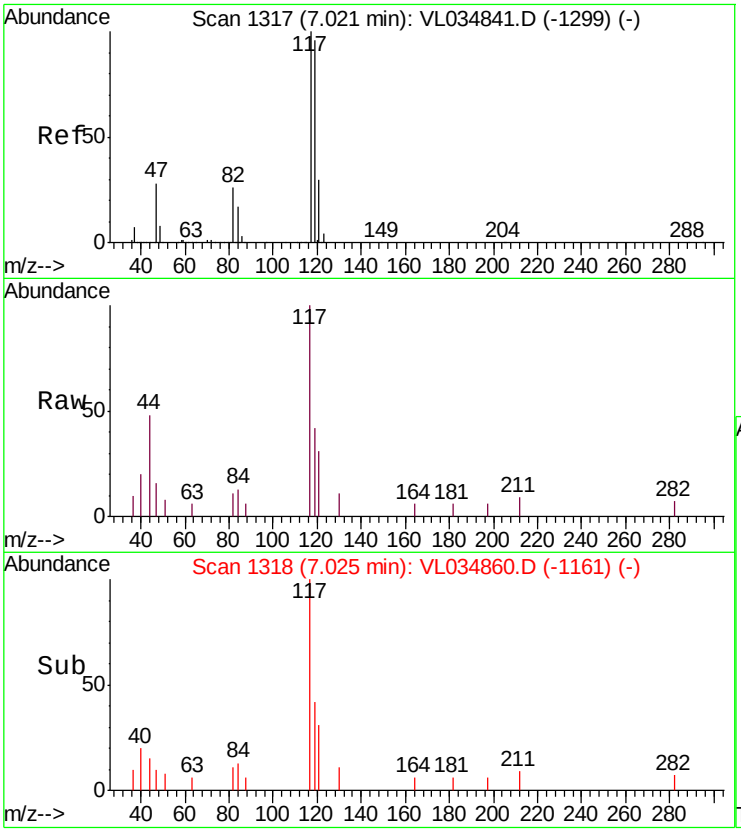


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion:114 Resp: 1924674

Ion	Ratio	Lower	Upper
114	100		
63	26.8	20.6	31.0
88	19.3	15.0	22.6



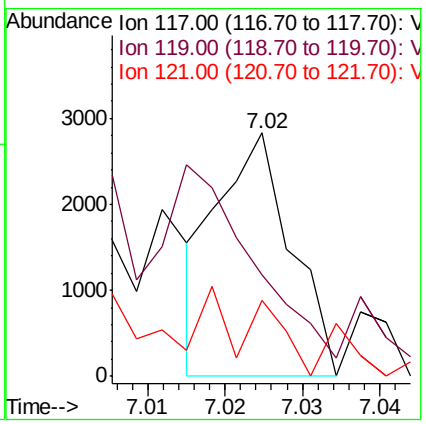


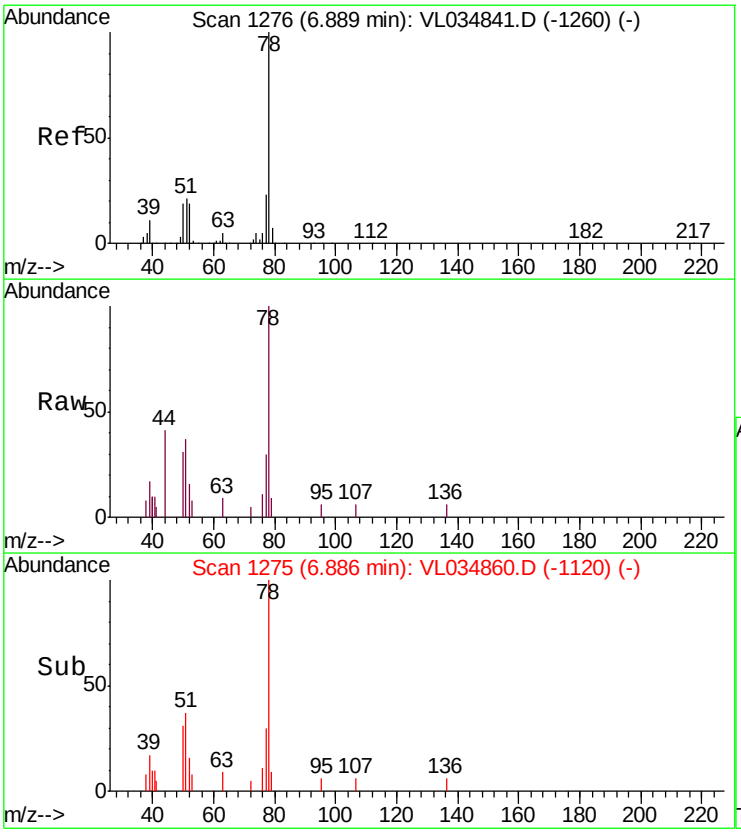
#35
Carbon Tetrachloride
Concen: 0.016 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1879

Ion	Ratio	Lower	Upper
117	100		
119	34.0	77.0	115.4#
121	20.6	24.0	36.0#

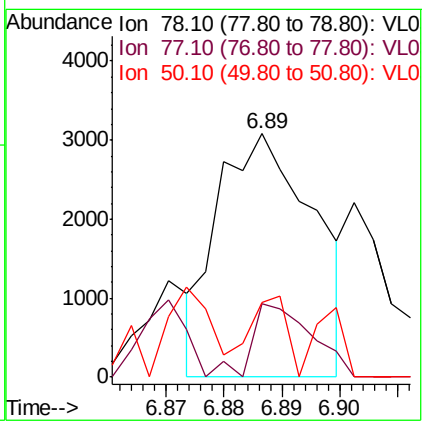


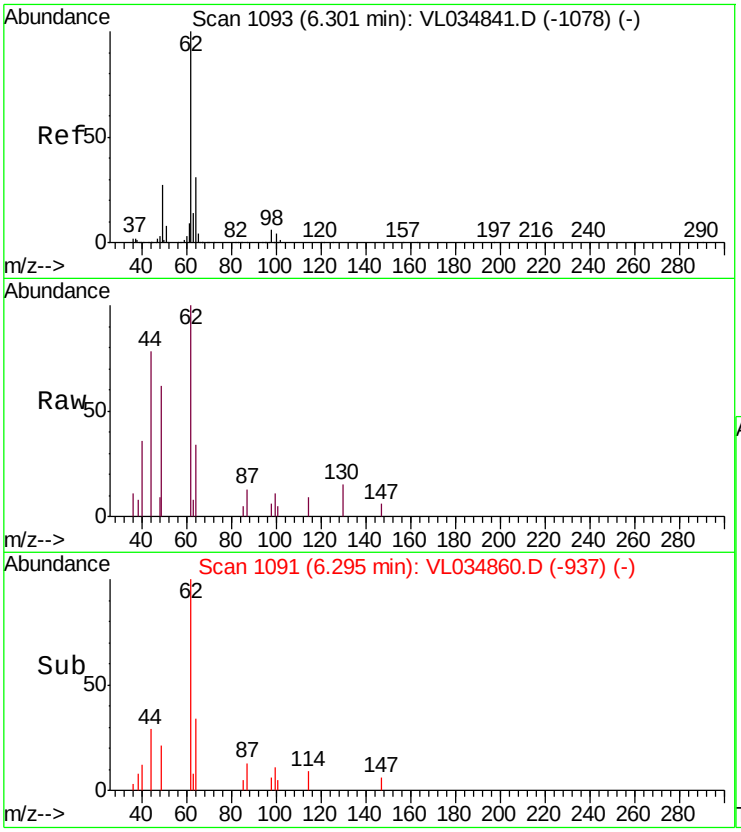


#36
Benzene
Concen: 0.021 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 78 Resp: 3559

Ion	Ratio	Lower	Upper
78	100		
77	26.1	18.2	27.2
50	2.8	15.2	22.8#



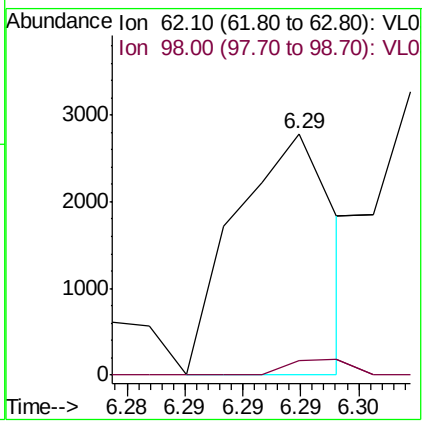


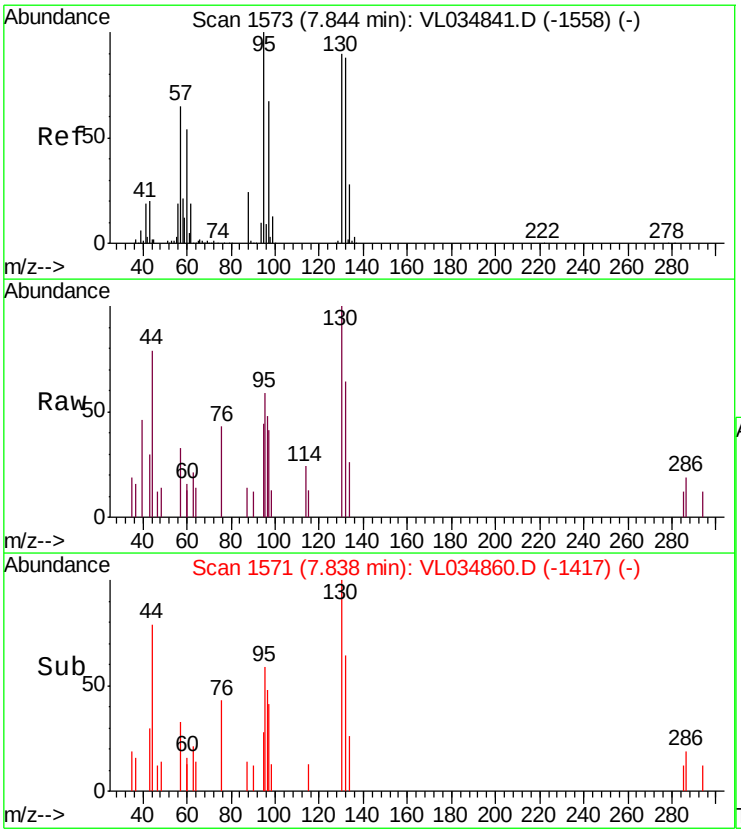
#37
1,2-Dichloroethane
Concen: 0.017 ppbv
RT: 6.29 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1654

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.2	7.8#

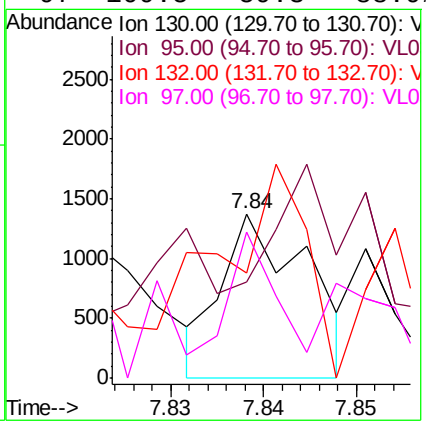


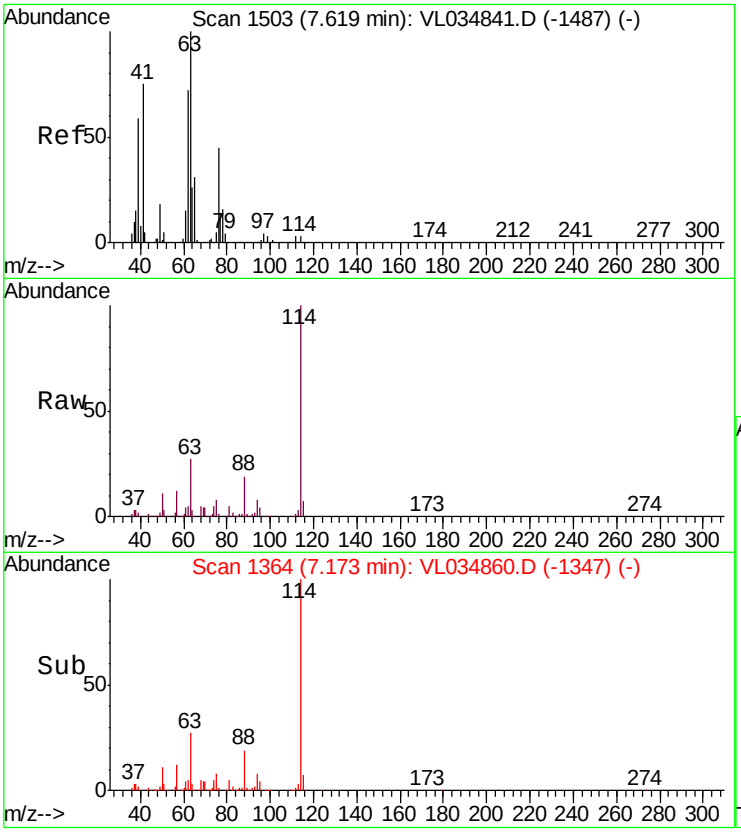


#38
Trichloroethene
Concen: 0.013 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion:130 Resp: 878

Ion	Ratio	Lower	Upper
130	100		
95	0.0	88.5	132.7#
132	93.5	78.0	117.0
97	109.5	59.3	88.9#



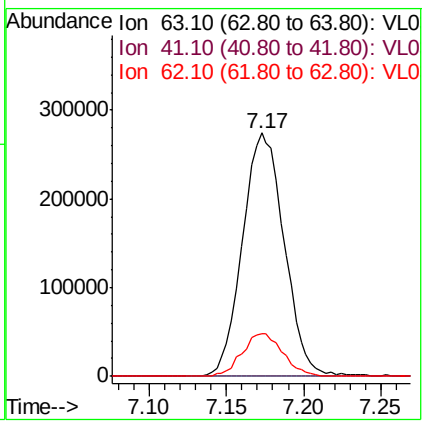


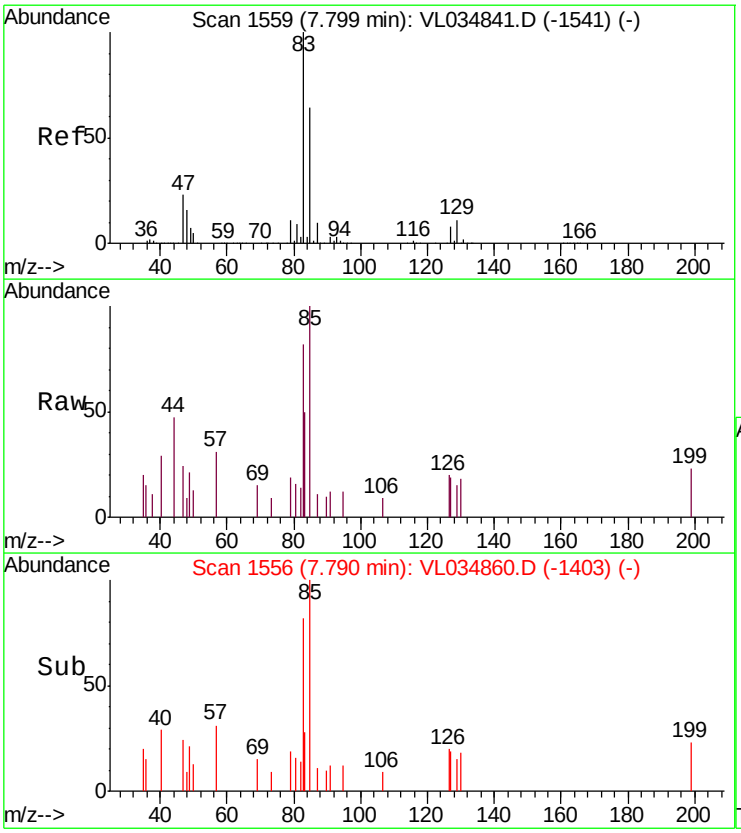
#39
1,2-Dichloropropane
Concen: 7.563 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.45 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 514075

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.8	89.8#
62	17.6	57.6	86.4#

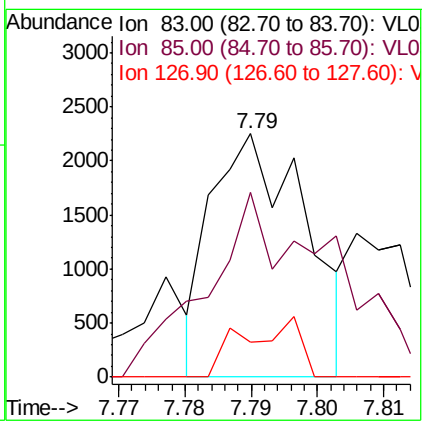


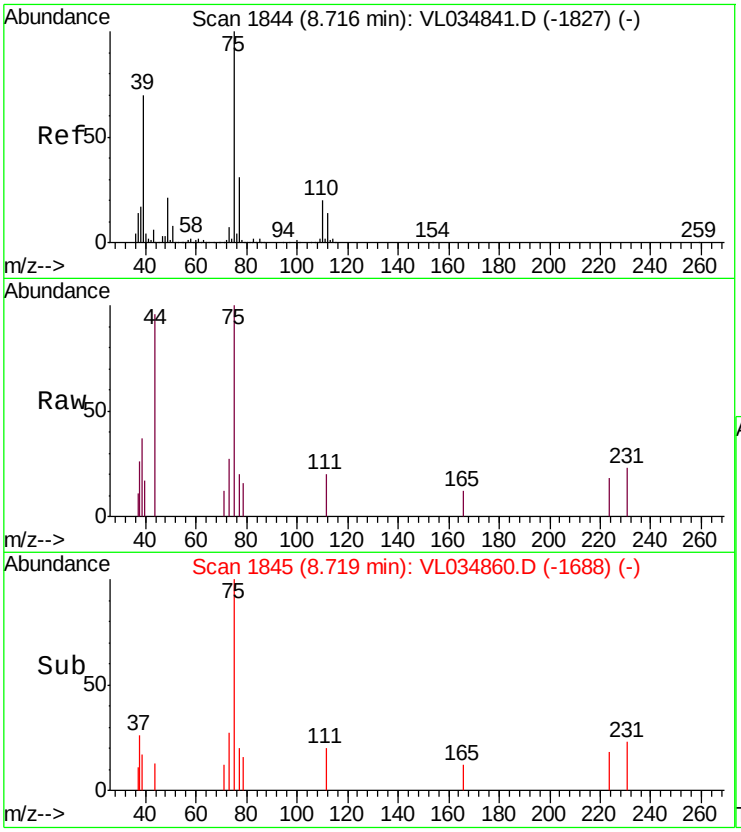


#42
Bromodichloromethane
Concen: 0.017 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 83 Resp: 2232

Ion	Ratio	Lower	Upper
83	100		
85	59.9	51.4	77.2
127	19.4	6.2	9.4#



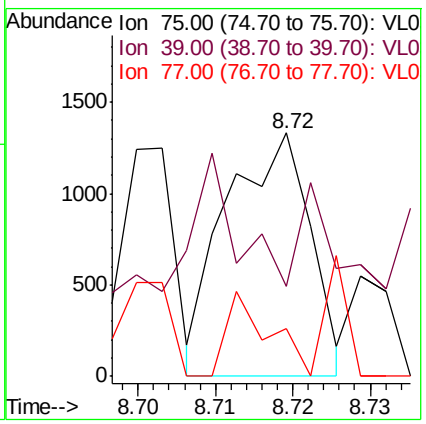


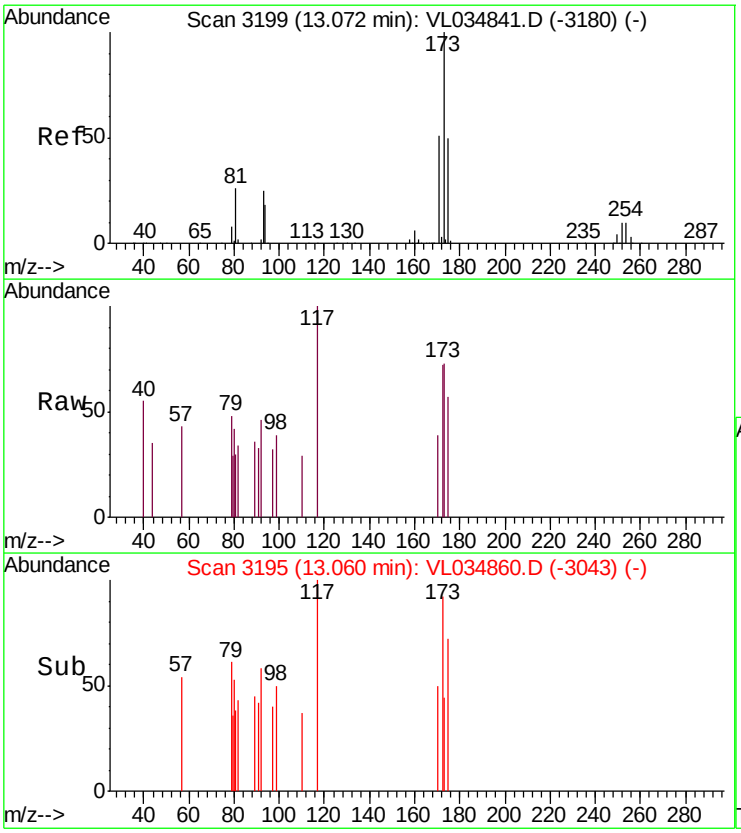
#46
cis-1,3-Dichloropropene
Concen: 0.010 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1012

Ion	Ratio	Lower	Upper
75	100		
39	0.0	55.7	83.5#
77	22.5	24.7	37.1#

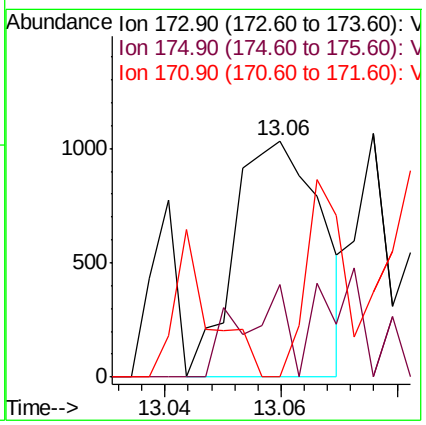


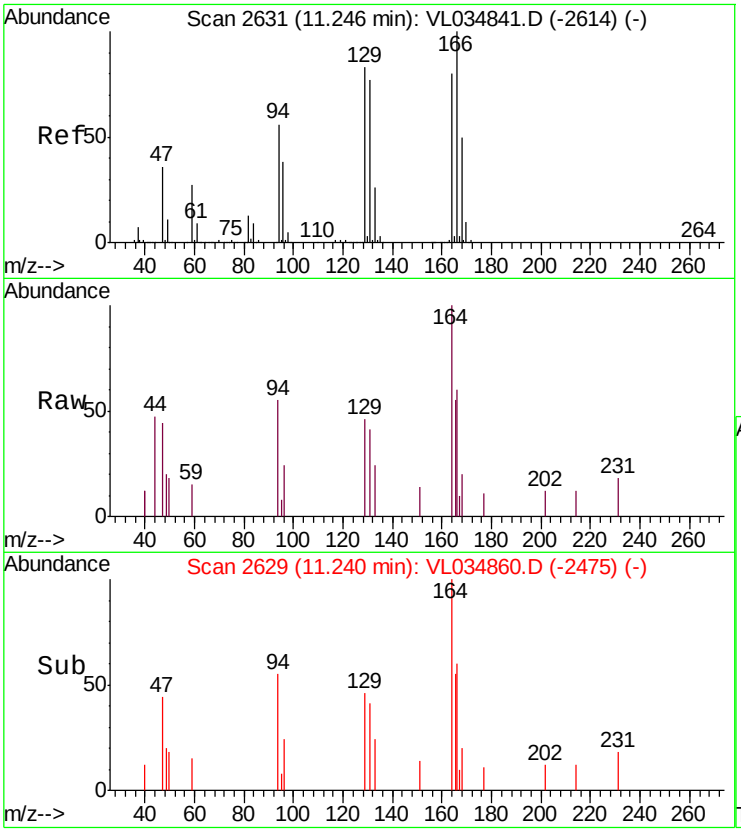


#49
Bromoform
Concen: 0.011 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. -0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion:173 Resp: 1077

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.6	59.4#
171	0.0	41.0	61.6#



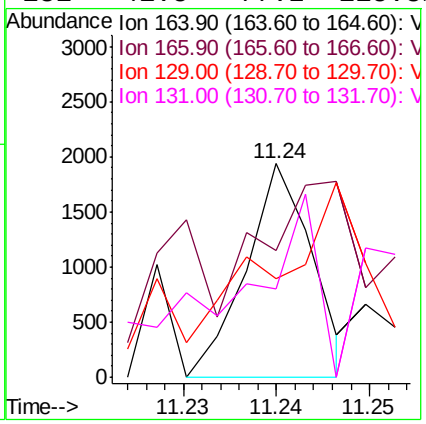


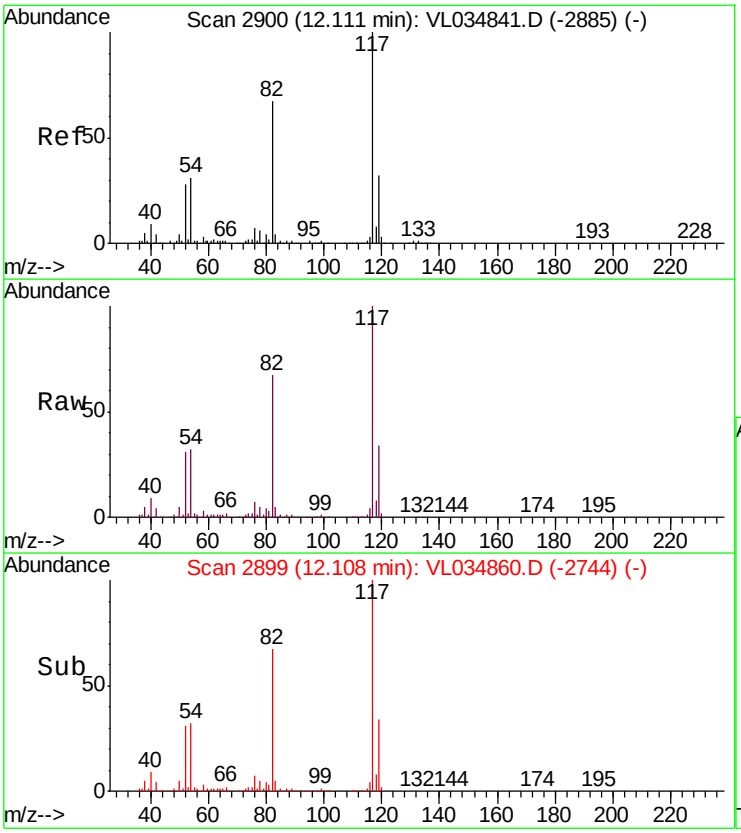
#52
Tetrachloroethene
Concen: 0.014 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 964

Ion	Ratio	Lower	Upper
164	100		
166	0.0	100.0	150.0#
129	30.1	83.1	124.7#
131	41.5	77.2	115.8#

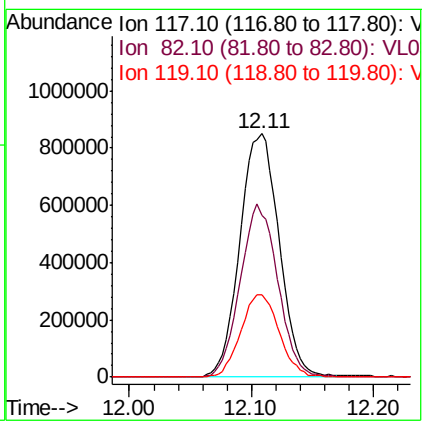


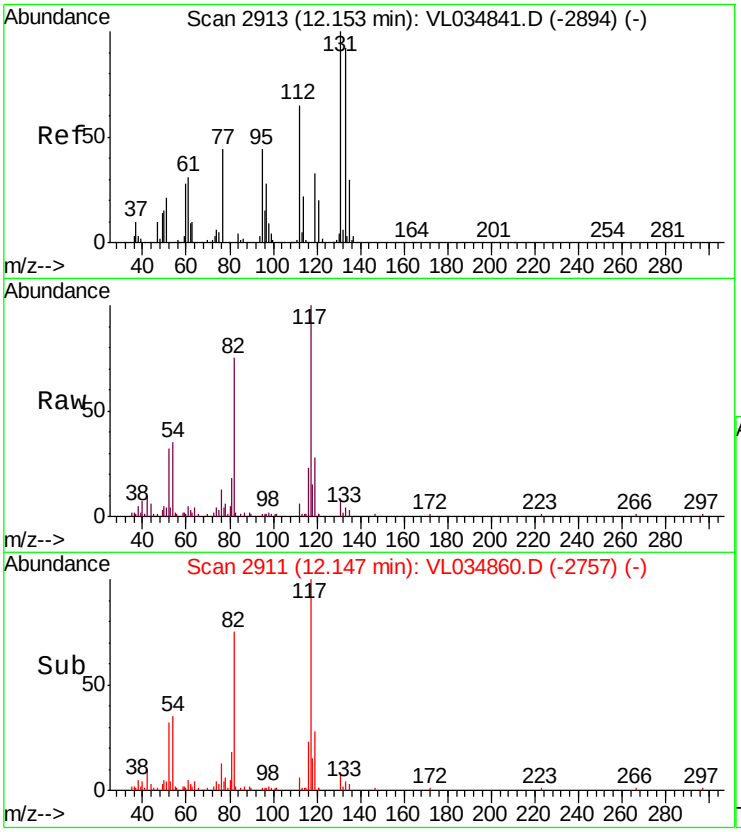


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion:117 Resp: 1892966

Ion	Ratio	Lower	Upper
117	100		
82	68.6	51.1	76.7
119	33.3	27.3	40.9



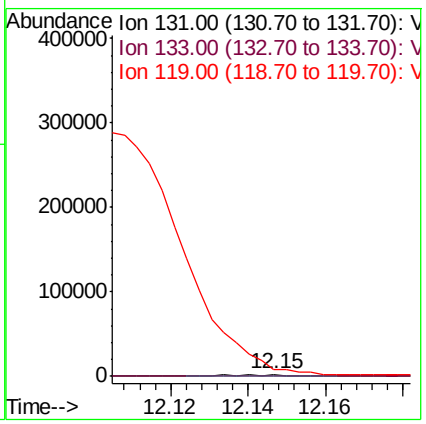


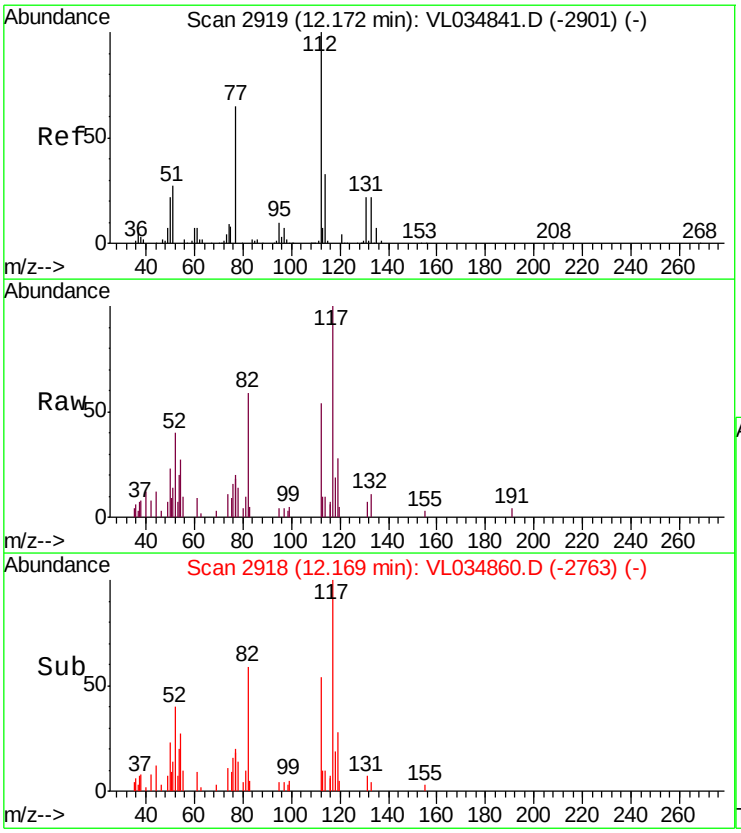
#56
1,1,1,2-Tetrachloroethane
Concen: 0.028 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:131 Resp: 2418

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.0	114.0#
119	0.0	47.8	71.8#

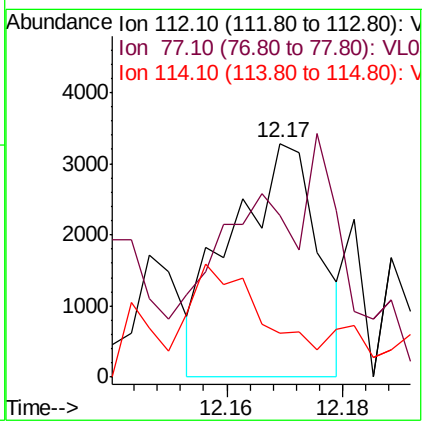


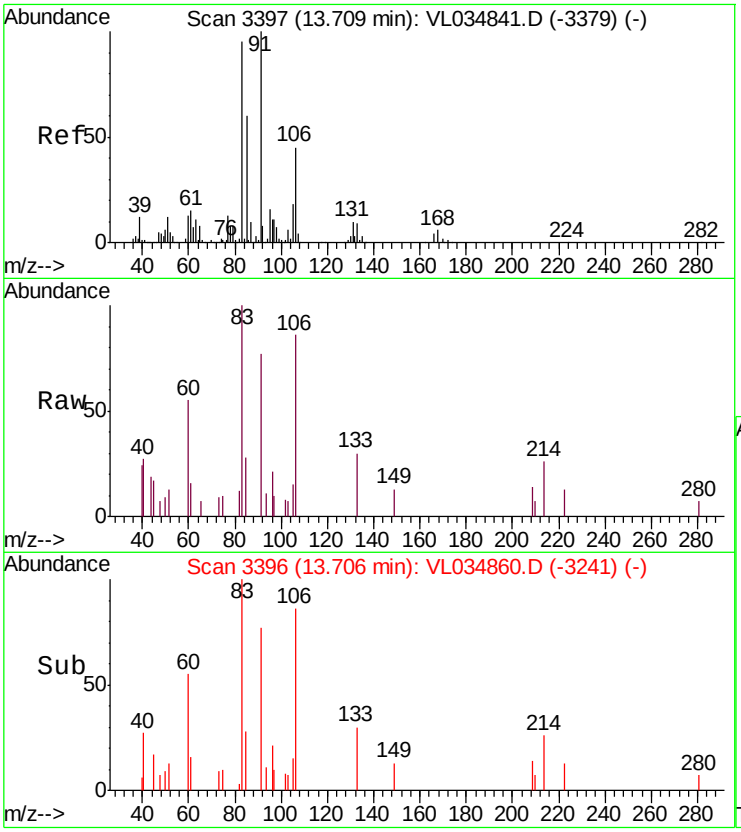


#57
Chlorobenzene
Concen: 0.023 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion:112 Resp: 3407

Ion	Ratio	Lower	Upper
112	100		
77	46.4	53.0	79.6#
114	0.0	29.5	36.1#



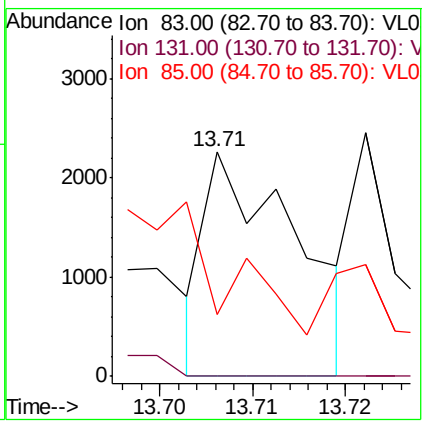


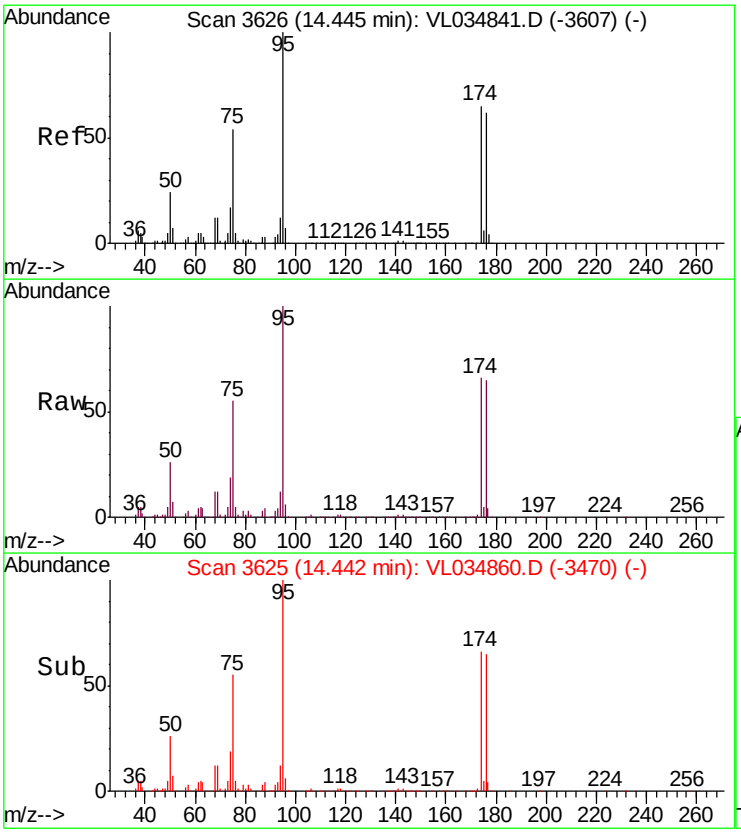
#63
1,1,2,2-Tetrachloroethane
Concen: 0.011 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1539

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	197.0	32.4	97.2#

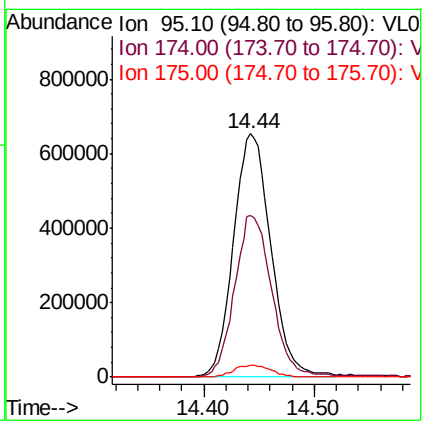


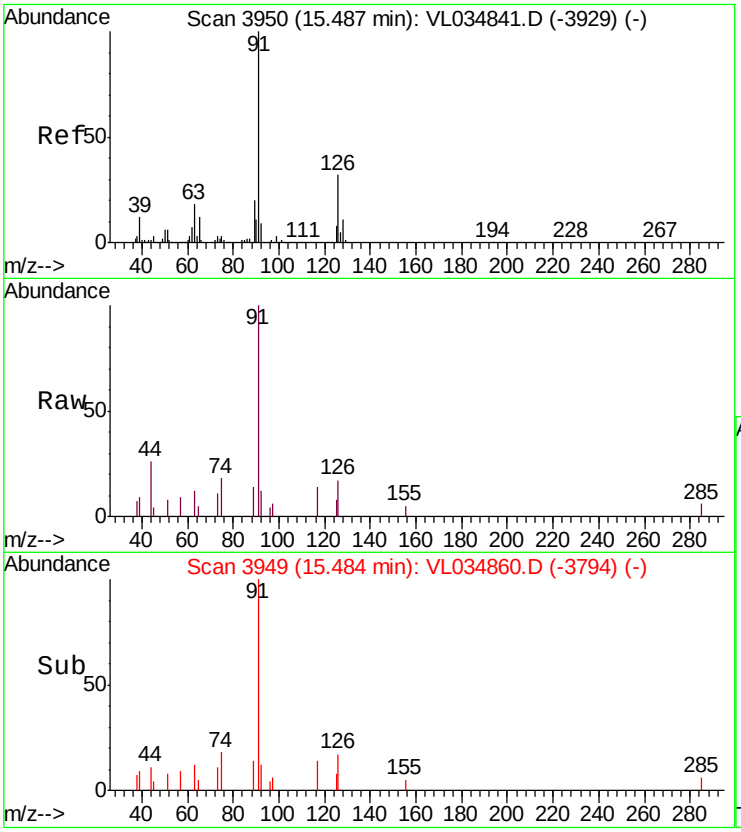


#68
1-Bromo-4-Fluorobenzene
Concen: 10.405 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion: 95 Resp: 1536062

Ion	Ratio	Lower	Upper
95	100		
174	66.8	55.2	82.8
175	5.1	4.3	6.5



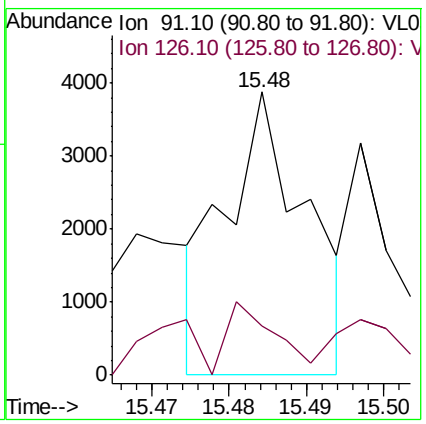


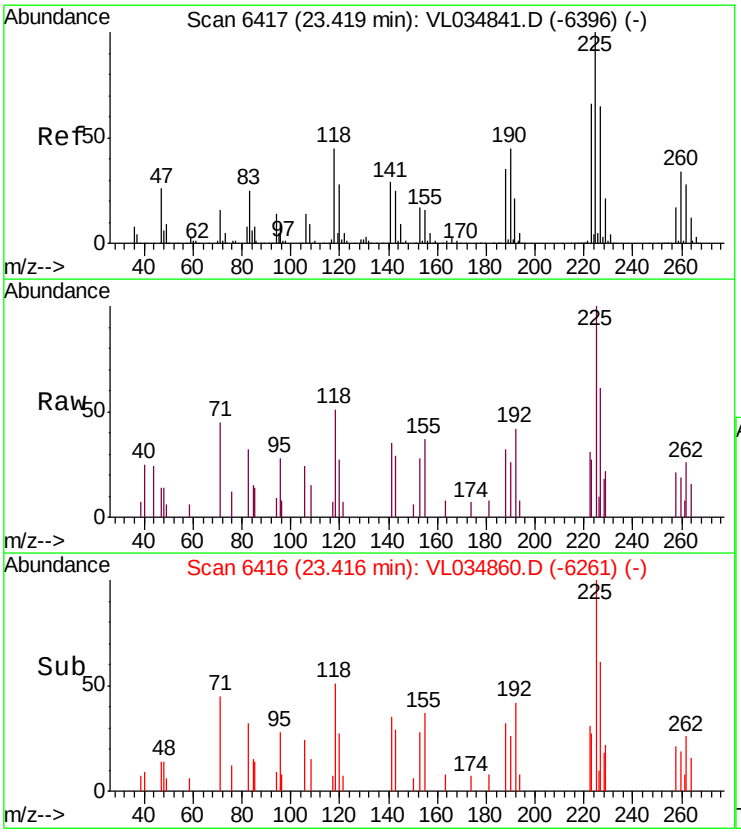
#71
2-Chlorotoluene
Concen: 0.012 ppbv
RT: 15.48 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2807

Ion	Ratio	Lower	Upper
91	100		
126	53.8	12.3	49.1#





#78
Hexachloro-1,3-Butadiene
Concen: 0.012 ppbv
RT: 23.42 min Scan# 6416
Delta R.T. -0.00 min
Lab File: VL034860.D
Acq: 10 Mar 2020 4:58

Tgt Ion:225 Resp: 1421

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.1	76.7#
227	0.0	51.8	77.6#