Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036188.D
Acq On : 17 Dec 2020 5:04
Operator : SY/AP
Sample : L5082-02 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 17 07:43:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1413023	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	2968174	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	2739095	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	2465740	11.34	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 113.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	16289	0.099	ppbv		96
3) Chlorodifluoromethane	3.00	51	23870	0.148	ppbv		94
4) Chloromethane	3.15	50	3746	0.047	ppbv	#	81
9) Propene	3.01	41	10750	0.133	ppbv	#	14
10) Heptane	8.14	43	137924	0.669	ppbv		95
15) Acetone	3.87	43	437036	2.573	ppbv		92
16) 1,3-Butadiene	3.34	39	2798	0.033	ppbv	#	11
17) tert-Butyl alcohol	4.33	59	9035	0.055	ppbv	#	71
20) Methylene Chloride	4.36	84	15179	0.218	ppbv	#	73
25) Ethyl Acetate	5.70	43	747760	2.204	ppbv	#	77
26) Hexane	5.70	57	1029383	6.742	ppbv	#	37
27) Carbon Disulfide	4.57	76	9211	0.061	ppbv	#	20
29) Chloroform	5.77	83	115244	0.575	ppbv		98
34) 2-Butanone	5.27	43	60305	0.306	ppbv	#	87
36) Benzene	6.91	78	16837	0.067	ppbv	#	76
39) 1,2-Dichloropropane	7.19	63	937159	9.434	ppbv	#	22
41) Tetrahydrofuran	5.70	42	395434	3.381	ppbv	#	53
44) 2,2,4-Trimethylpentane	7.89	57	16457	0.036	ppbv	#	1
51) 2-Hexanone	10.13	43	237582	1.035	ppbv	#	29
52) Tetrachloroethene	11.24	164	13667	0.150	ppbv	#	84
53) Toluene	9.83	91	194594	0.689	ppbv		98
57) Chlorobenzene	12.17	112	31232	0.162	ppbv	#	21
58) Ethyl Benzene	12.74	91	49253	0.131	ppbv		97
59) m/p-Xylene	13.03	91	32228	0.102	ppbv	#	34
60) o-Xylene	13.72	91	88581	0.297	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.70	83	94820	0.473	ppbv	#	69
64) n-propylbenzene	15.59	120	5148	0.048	ppbv	#	1
69) p-Isopropyltoluene	17.68	119	16846	0.042	ppbv	#	74
70) n-Butylbenzene	18.58	91	17218	0.043	ppbv	#	1
71) 2-Chlorotoluene	15.59	91	81938	0.245	ppbv		89
73) 1,3,5-Trimethylbenzene	16.03	105	10788	0.035	ppbv	#	72
74) 1,2,4-Trimethylbenzene	16.80	105	50652	0.164	ppbv	#	61

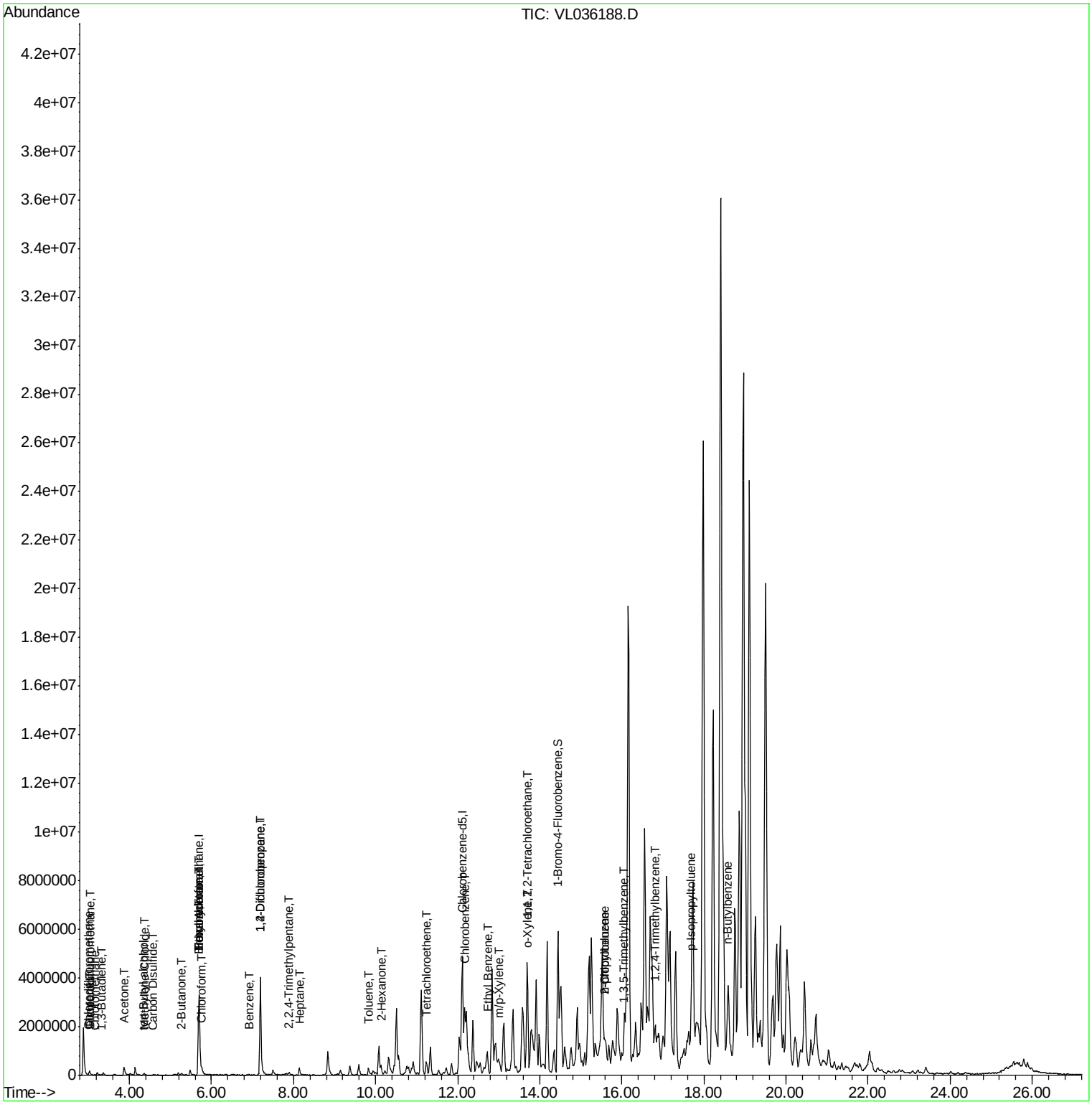
(#) = qualifier out of range (m) = manual integration (+) = signals summed

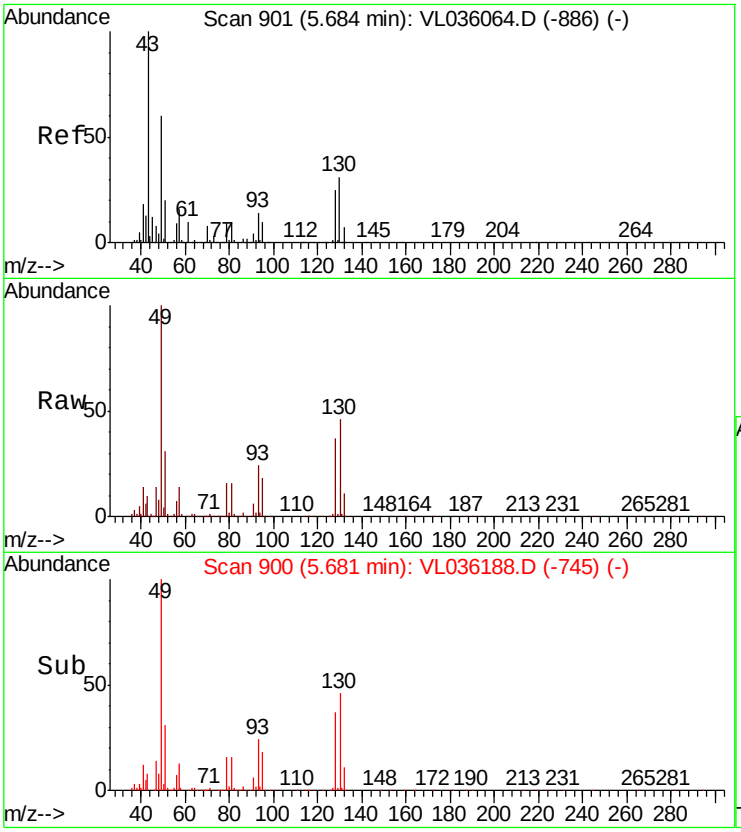
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036188.D
Acq On : 17 Dec 2020 5:04
Operator : SY/AP
Sample : L5082-02 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 17 07:43:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration



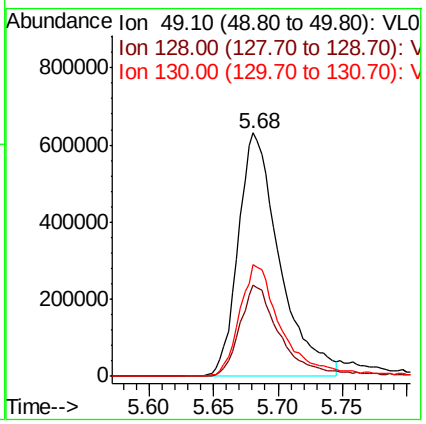


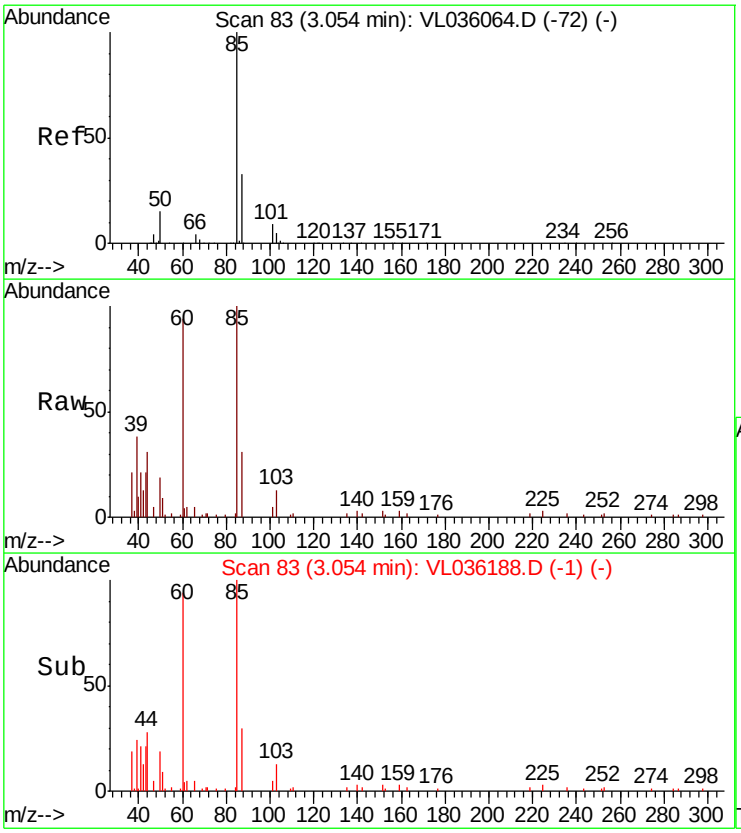
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1413023

Ion	Ratio	Lower	Upper
49	100		
128	38.1	21.1	63.1
130	47.6	27.1	81.3

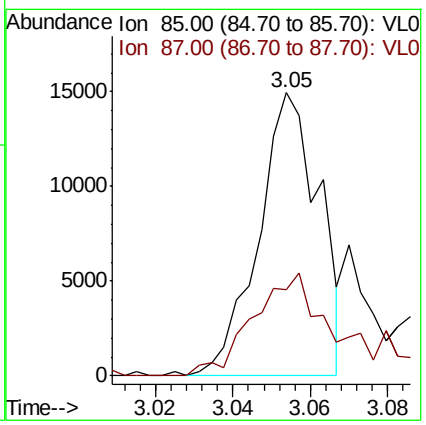


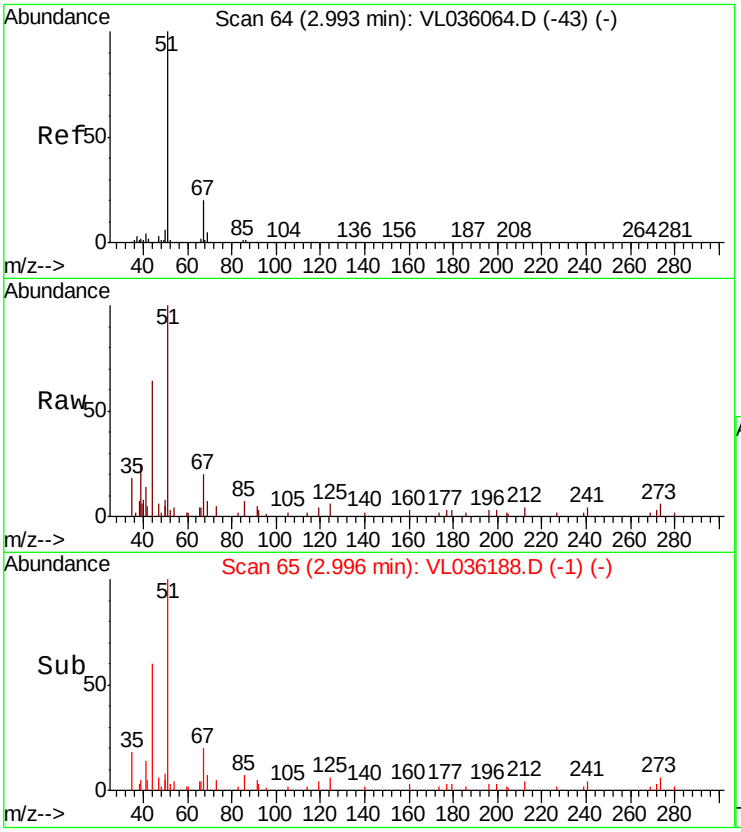


#2
Dichlorodifluoromethane
Concen: 0.099 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 85 Resp: 16289

Ion	Ratio	Lower	Upper
85	100		
87	30.7	26.5	39.7



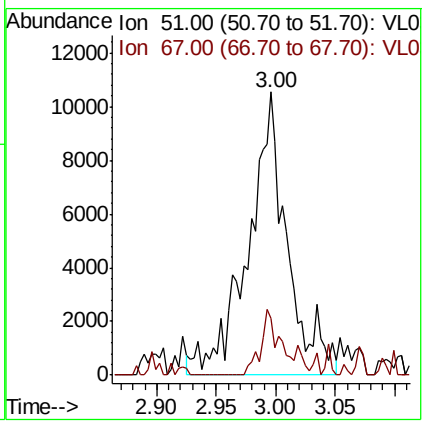


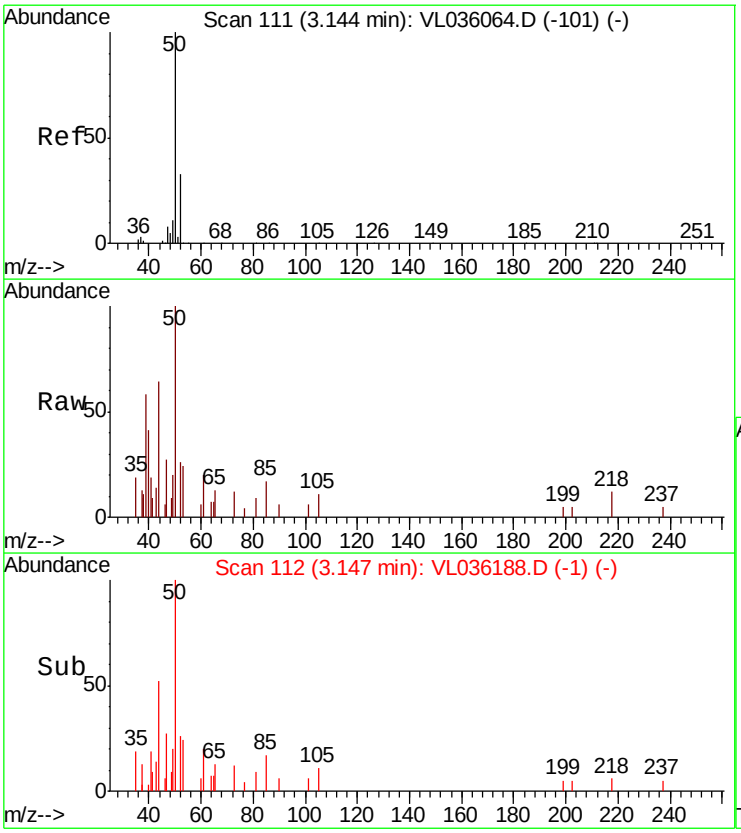
#3
Chlorodifluoromethane
Concen: 0.148 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 23870

Ion	Ratio	Lower	Upper
51	100		
67	15.4	14.3	21.5

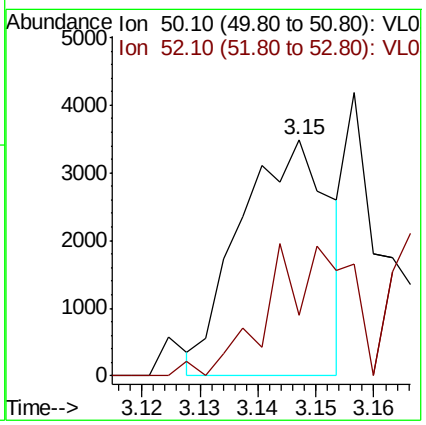


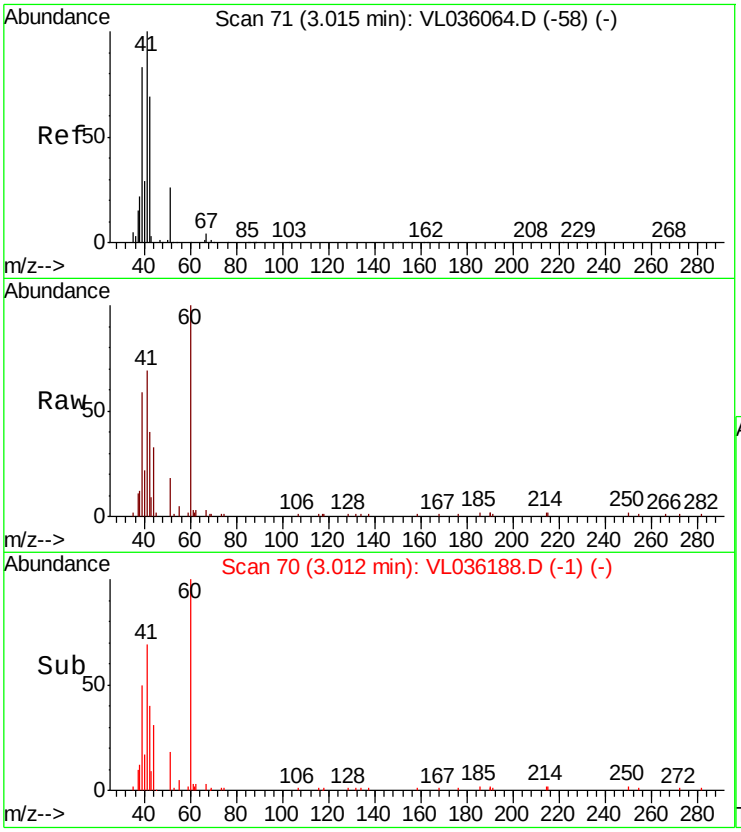


#4
Chloromethane
Concen: 0.047 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 50 Resp: 3746

Ion	Ratio	Lower	Upper
50	100		
52	22.0	26.1	39.1#



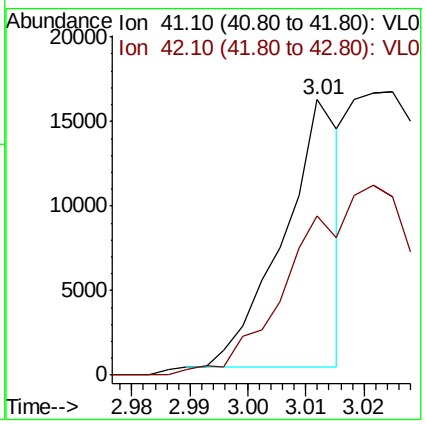


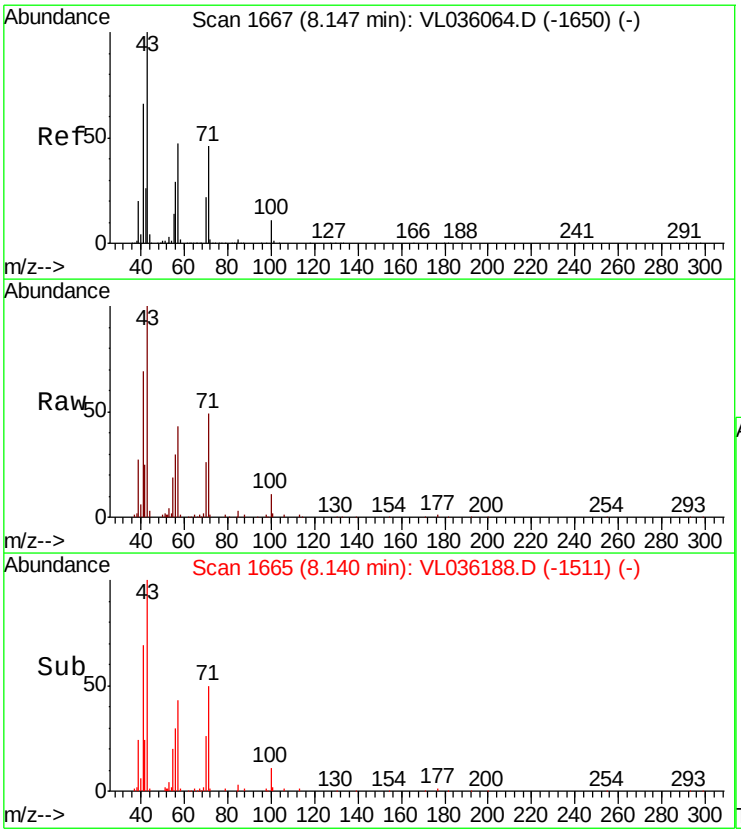
#9
Propene
Concen: 0.133 ppbv
RT: 3.01 min Scan# 70
Delta R.T. -0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 10750

Ion	Ratio	Lower	Upper
41	100		
42	0.0	57.0	85.6#

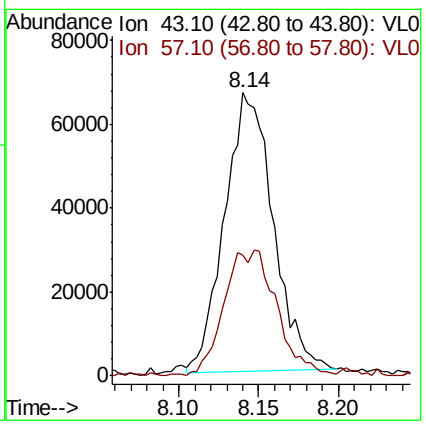


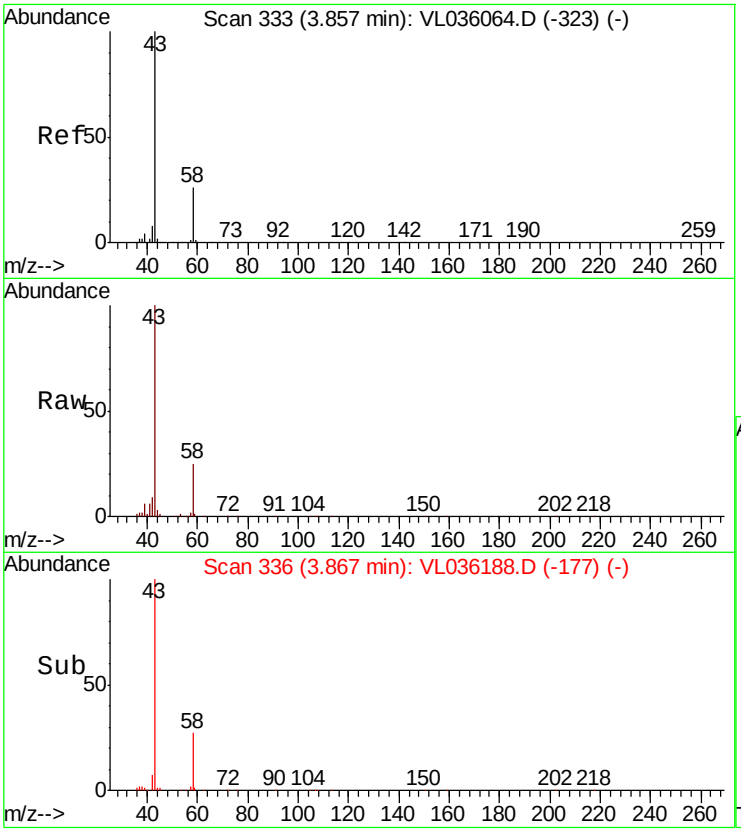


#10
Heptane
Concen: 0.669 ppbv
RT: 8.14 min Scan# 1665
Delta R.T. -0.01 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 43 Resp: 137924

Ion	Ratio	Lower	Upper
43	100		
57	51.0	37.9	56.9



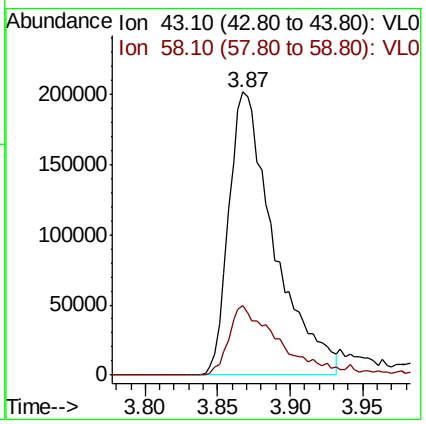


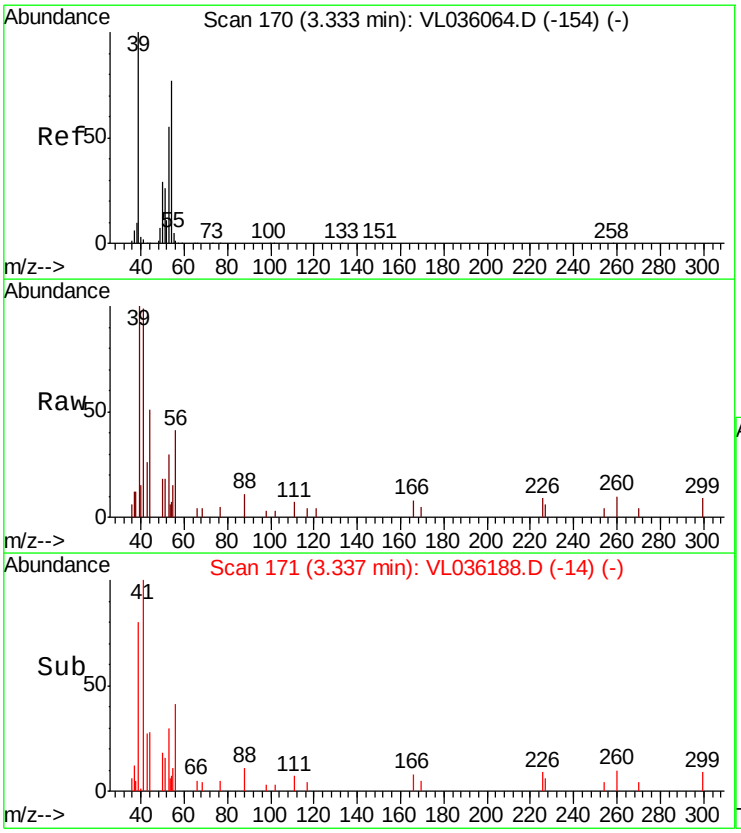
#15
Acetone
Concen: 2.573 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 437036

Ion	Ratio	Lower	Upper
43	100		
58	29.9	20.9	31.3

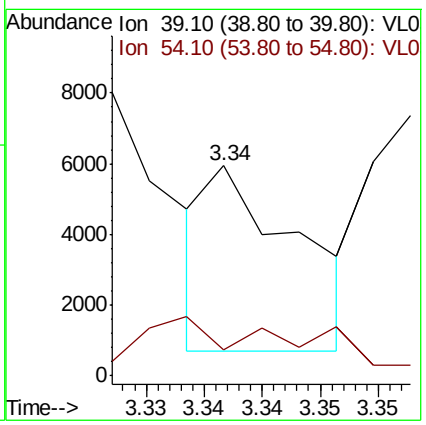


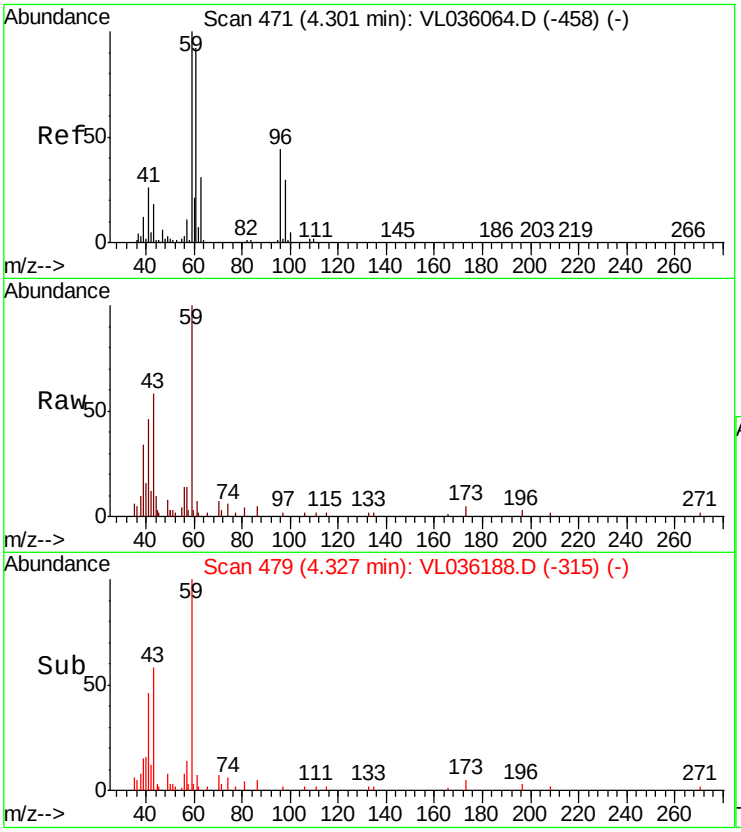


#16
1,3-Butadiene
Concen: 0.033 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 39 Resp: 2798

Ion	Ratio	Lower	Upper
39	100		
54	0.0	62.1	93.1#



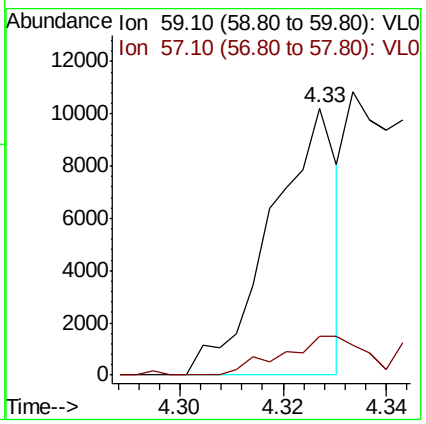


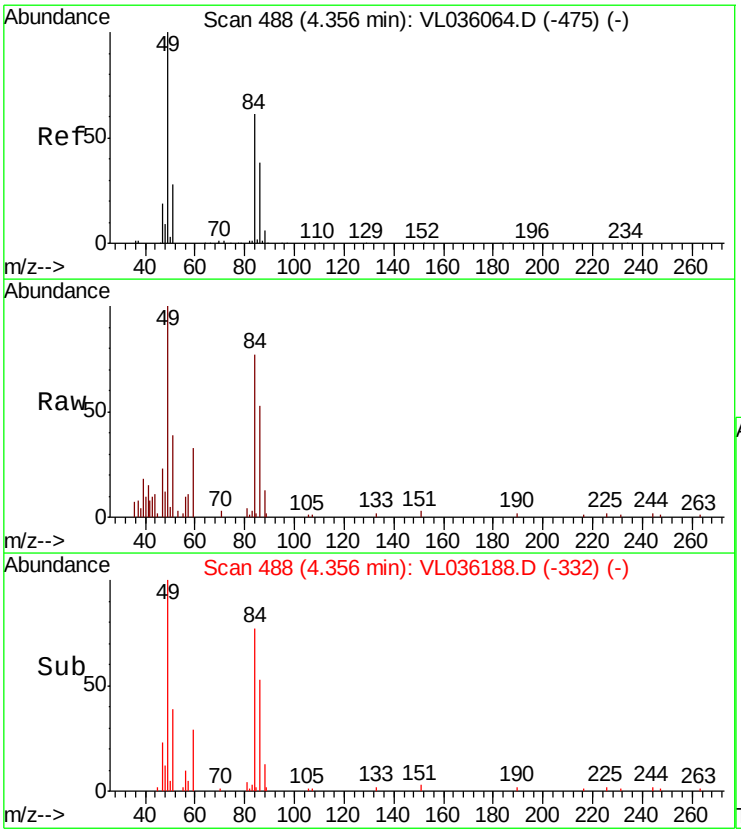
#17
tert-Butyl alcohol
Concen: 0.055 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.03 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 9035

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

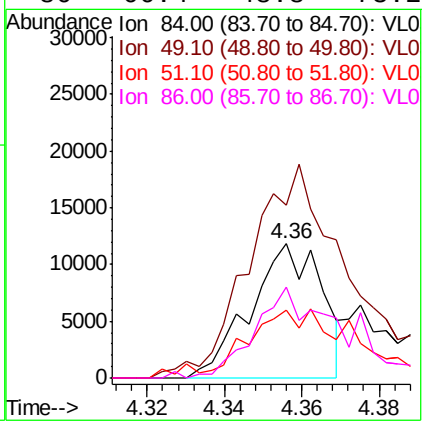


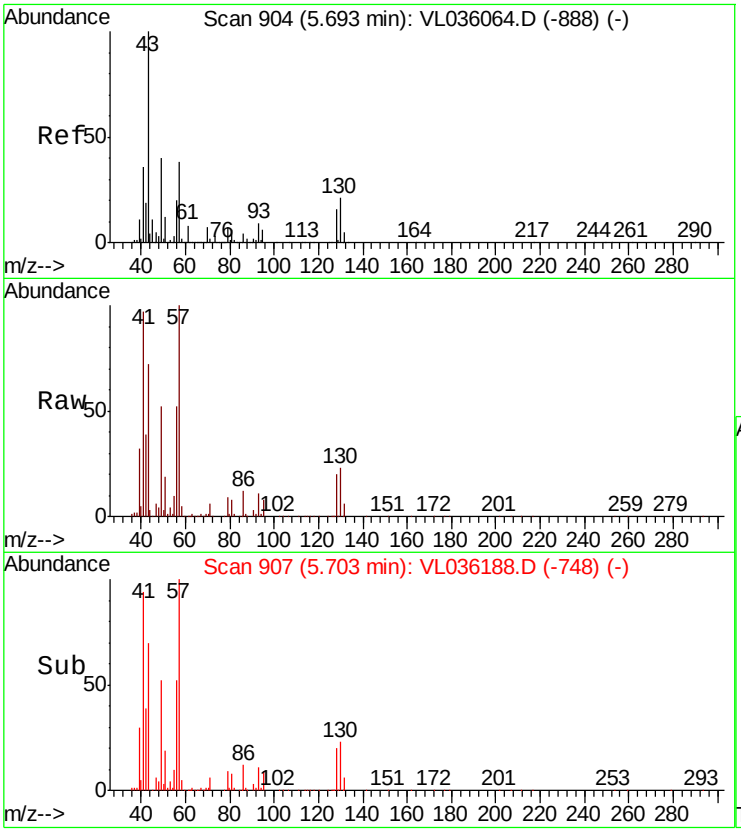


#20
Methylene Chloride
Concen: 0.218 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 84 Resp: 15179

Ion	Ratio	Lower	Upper
84	100		
49	114.4	133.0	199.4#
51	38.8	38.9	58.3#
86	66.4	48.8	73.2



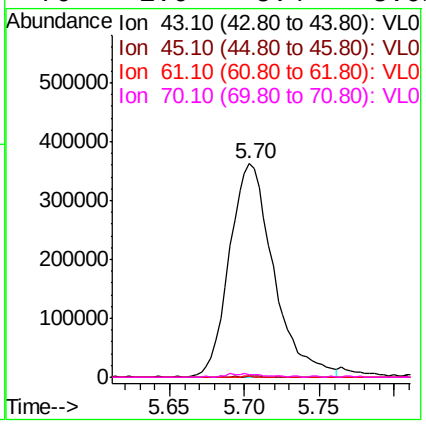


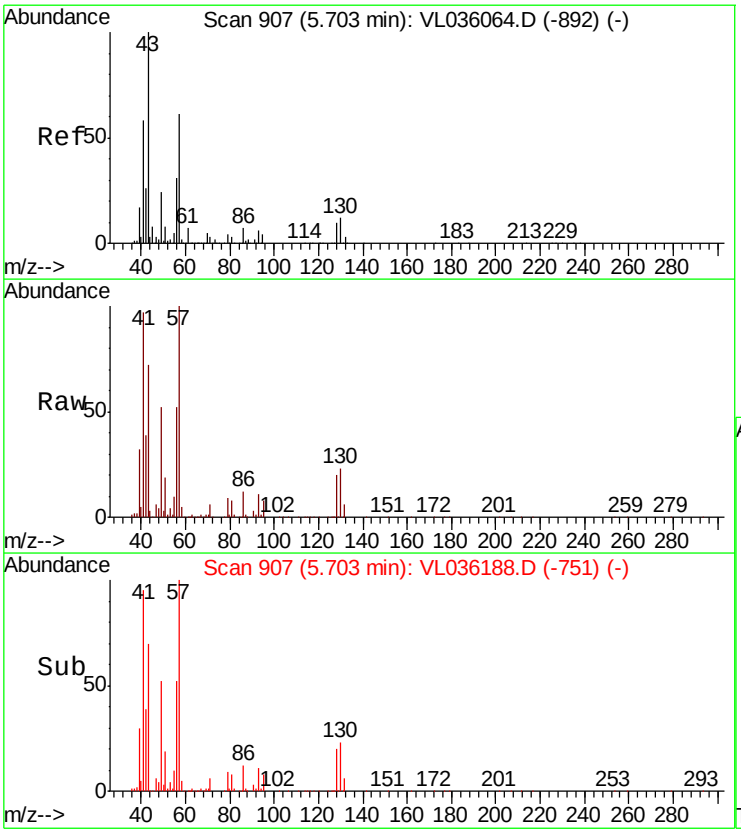
#25
Ethyl Acetate
Concen: 2.204 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 747760

Ion	Ratio	Lower	Upper
43	100		
45	0.6	8.2	12.4#
61	0.5	7.4	11.2#
70	1.6	5.4	8.0#

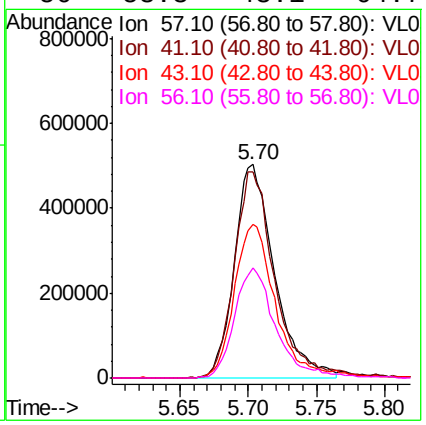


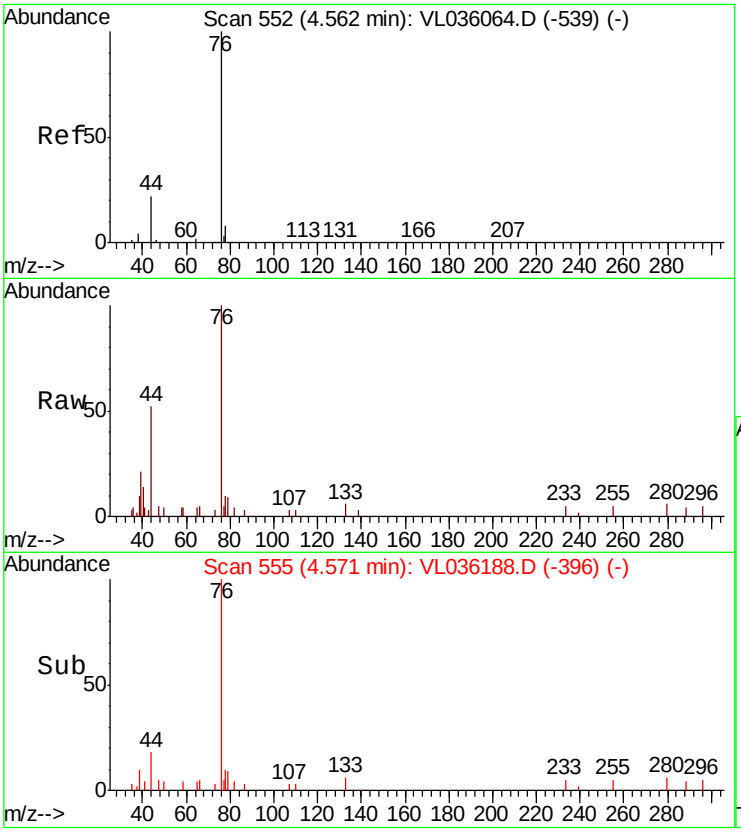


#26
Hexane
Concen: 6.742 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 57 Resp: 1029383

Ion	Ratio	Lower	Upper
57	100		
41	99.3	82.9	124.3
43	75.5	199.9	299.9#
56	53.3	43.1	64.7



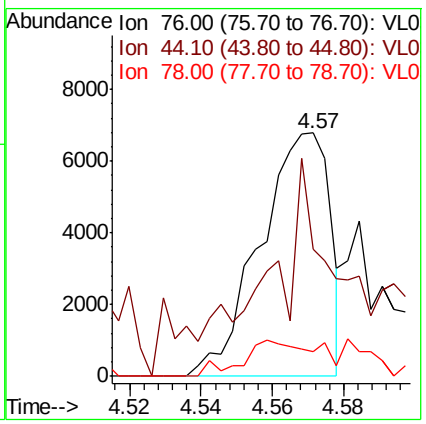


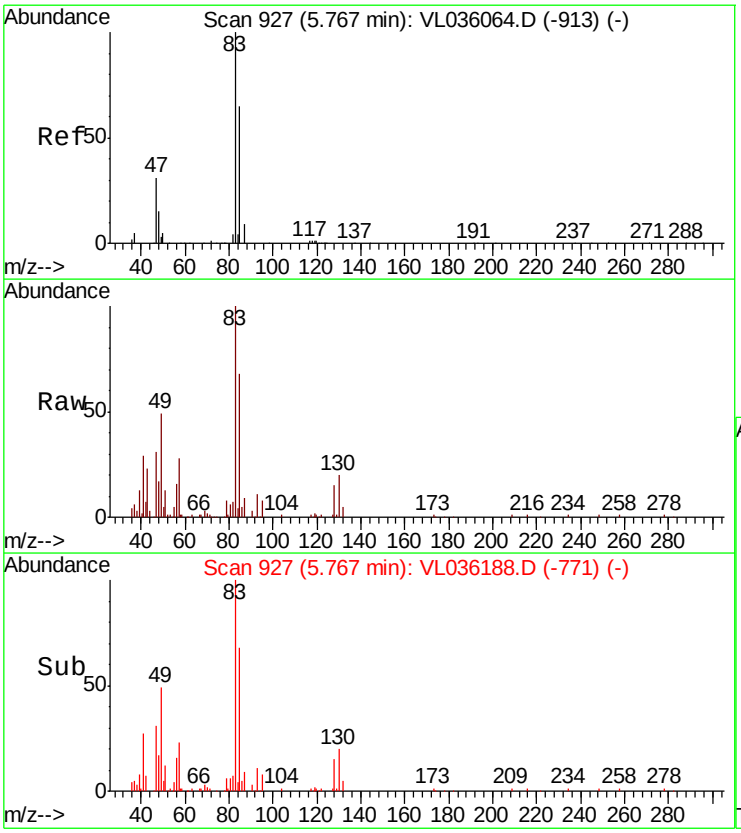
#27
Carbon Disulfide
Concen: 0.061 ppbv
RT: 4.57 min Scan# 555
Delta R.T. 0.01 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 9211

Ion	Ratio	Lower	Upper
76	100		
44	72.0	17.9	26.9#
78	0.0	7.8	11.8#

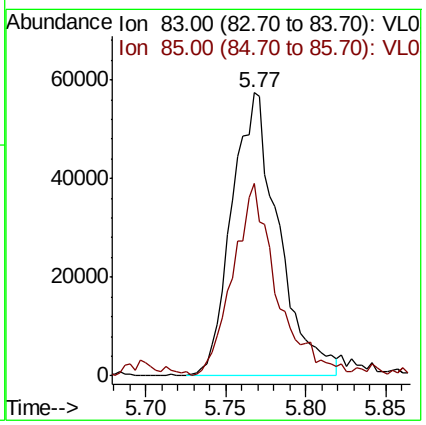


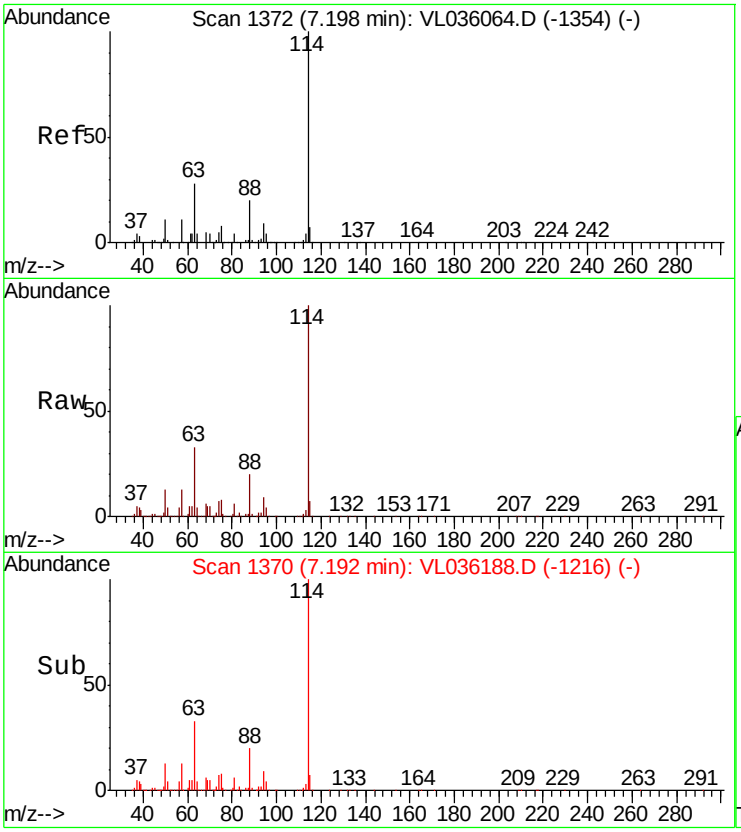


#29
Chloroform
Concen: 0.575 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 83 Resp: 115244

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.6



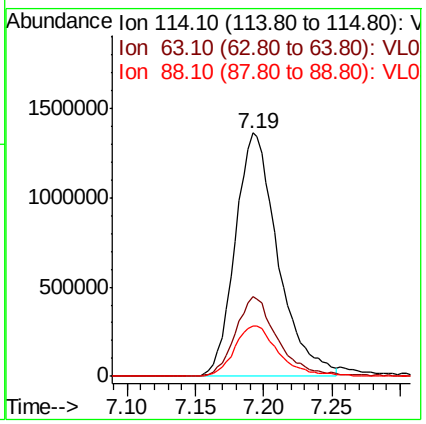


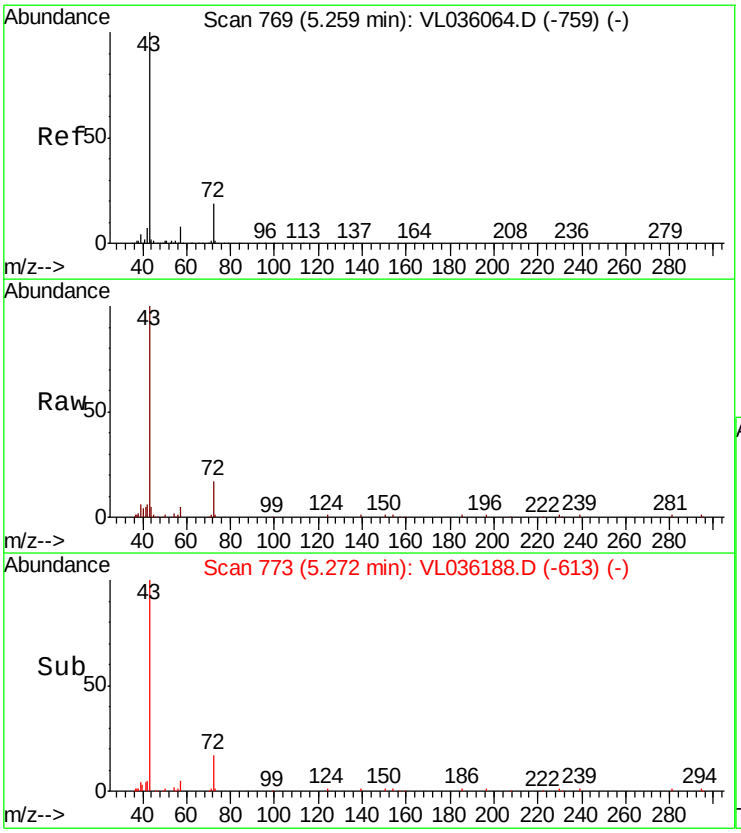
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2968174

Ion	Ratio	Lower	Upper
114	100		
63	32.9	23.6	35.4
88	21.8	15.8	23.6

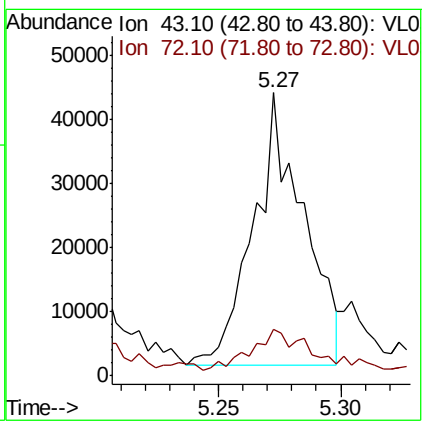


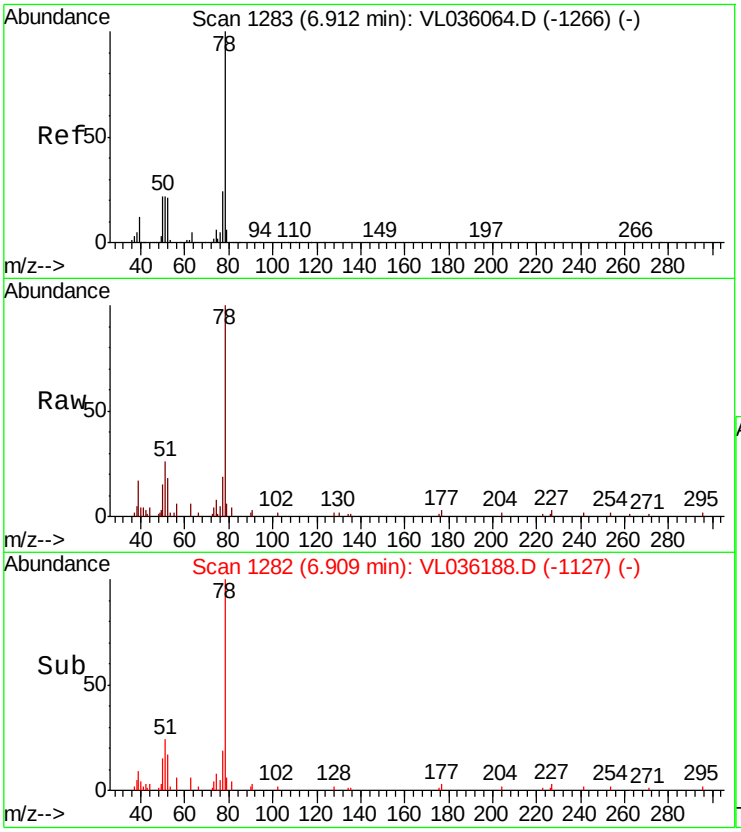


#34
2-Butanone
Concen: 0.306 ppbv
RT: 5.27 min Scan# 773
Delta R.T. 0.01 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 43 Resp: 60305

Ion	Ratio	Lower	Upper
43	100		
72	26.6	16.5	24.7#



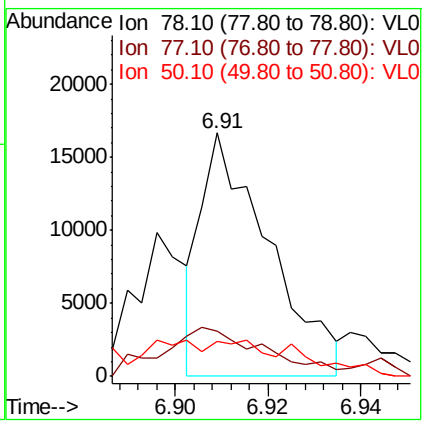


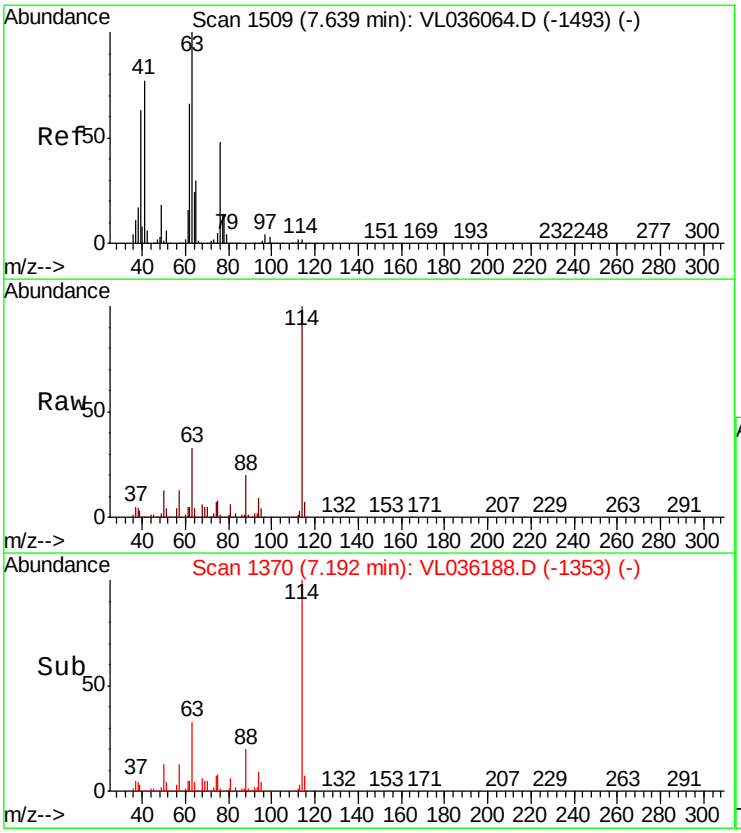
#36
Benzene
Concen: 0.067 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 16837

Ion	Ratio	Lower	Upper
78	100		
77	18.8	19.4	29.2#
50	4.4	17.8	26.8#

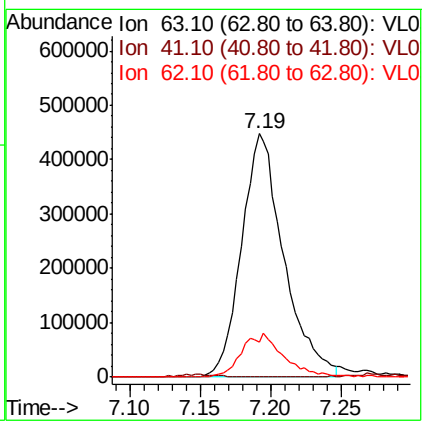


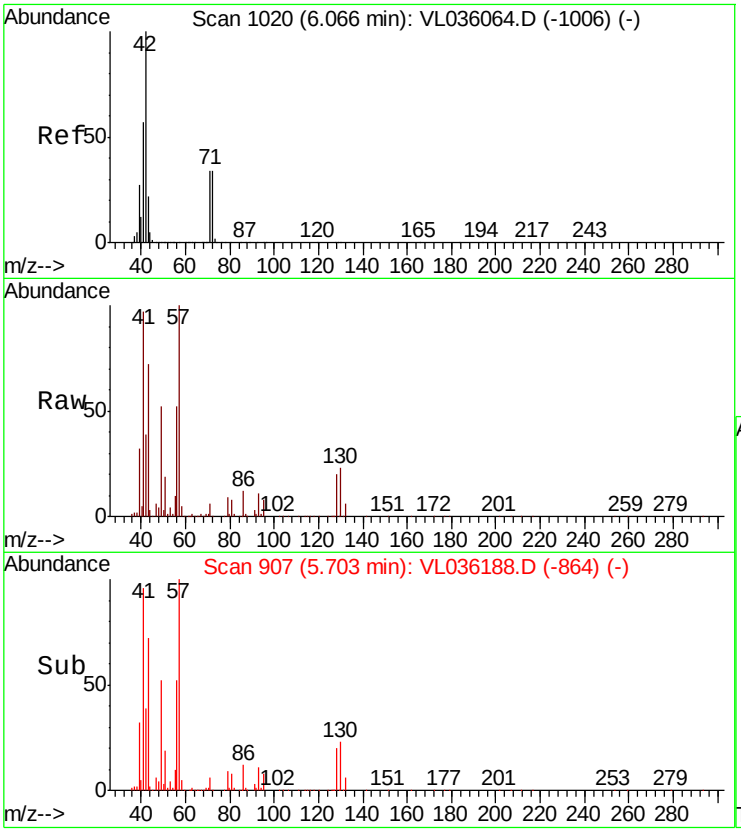


#39
1,2-Dichloropropane
Concen: 9.434 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. -0.45 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 63 Resp: 937159

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.9	92.9#
62	14.4	52.5	78.7#



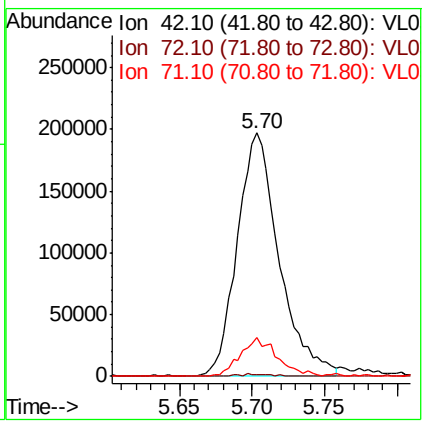


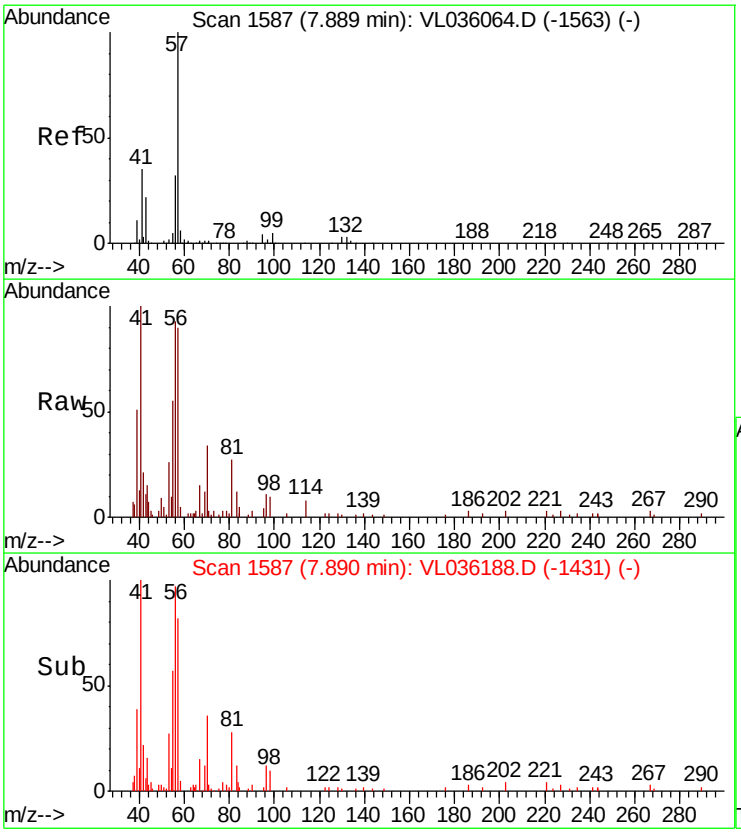
#41
Tetrahydrofuran
Concen: 3.381 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.36 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 395434

Ion	Ratio	Lower	Upper
42	100		
72	0.8	28.3	42.5#
71	14.6	27.3	40.9#

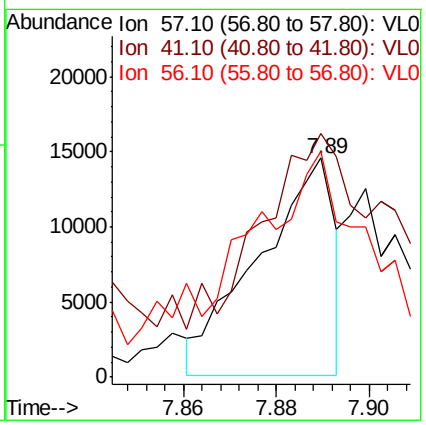


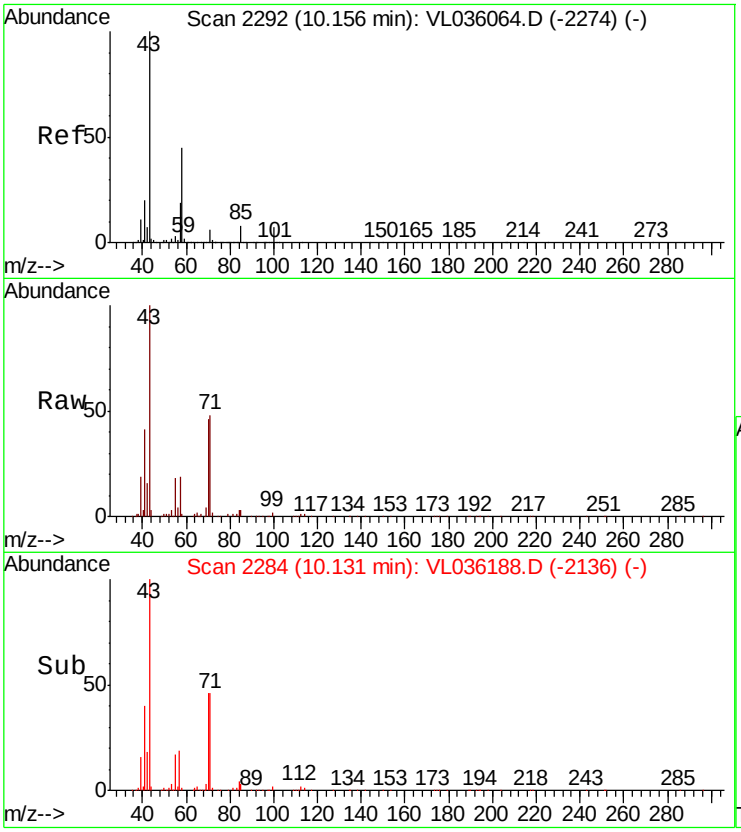


#44
2,2,4-Trimethylpentane
Concen: 0.036 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 57 Resp: 16457

Ion	Ratio	Lower	Upper
57	100		
41	265.8	28.9	43.3#
56	194.7	25.3	37.9#



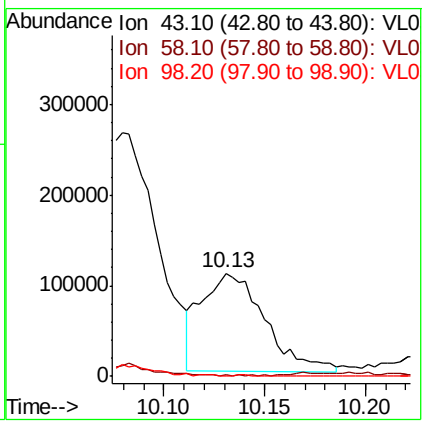


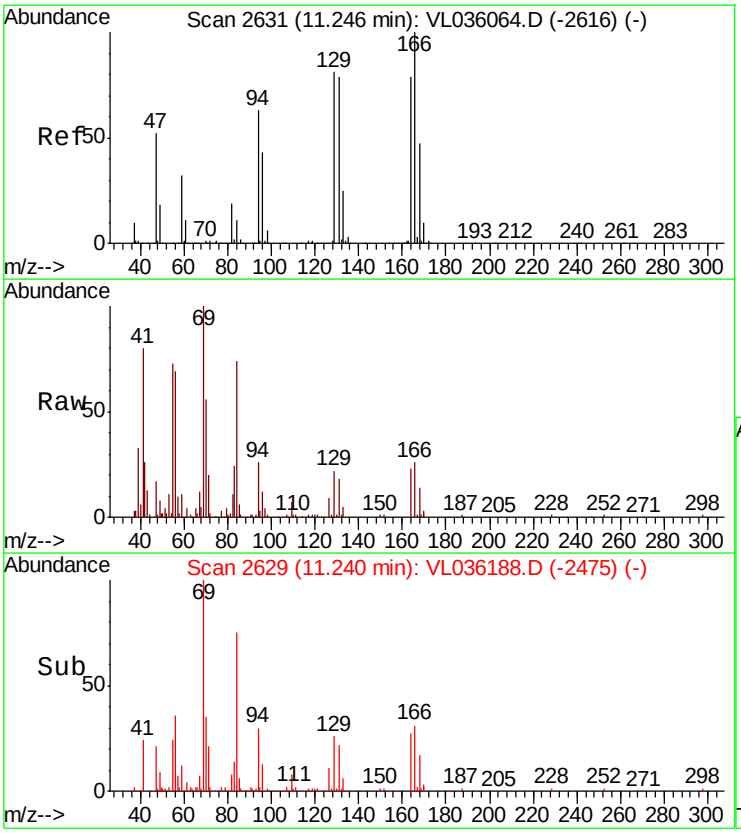
#51
2-Hexanone
Concen: 1.035 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.03 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 237582

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.7	58.1#
98	0.0	0.1	0.1#

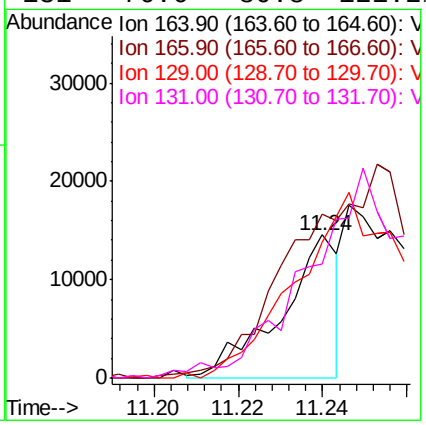


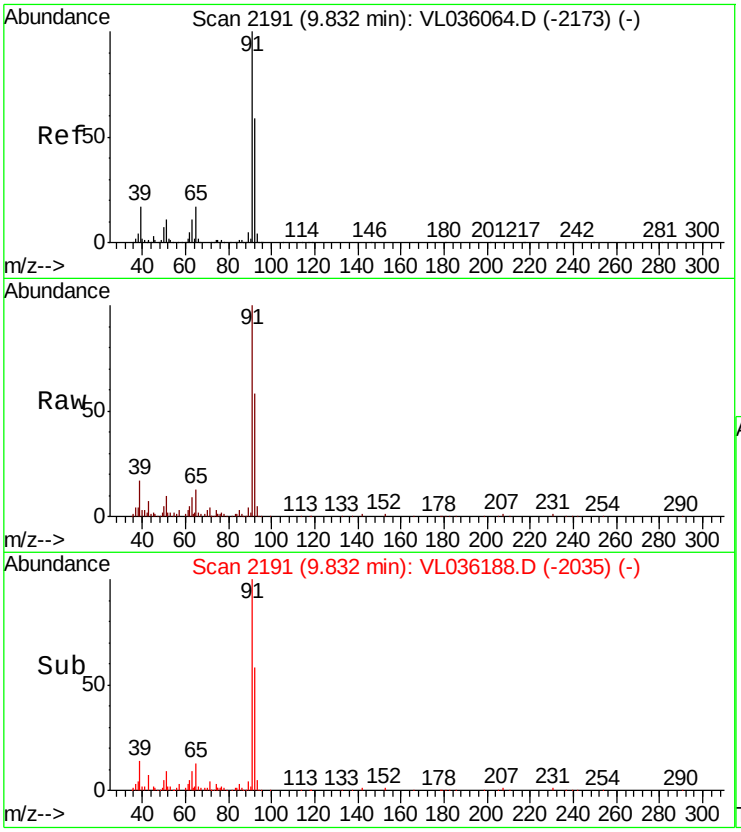


#52
Tetrachloroethene
Concen: 0.150 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion:164 Resp: 13667

Ion	Ratio	Lower	Upper
164	100		
166	111.3	101.9	152.9
129	93.0	82.1	123.1
131	76.6	80.8	121.2#



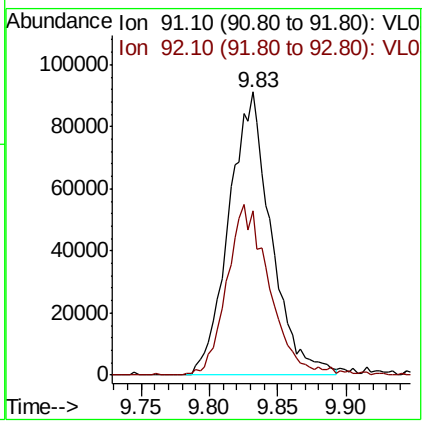


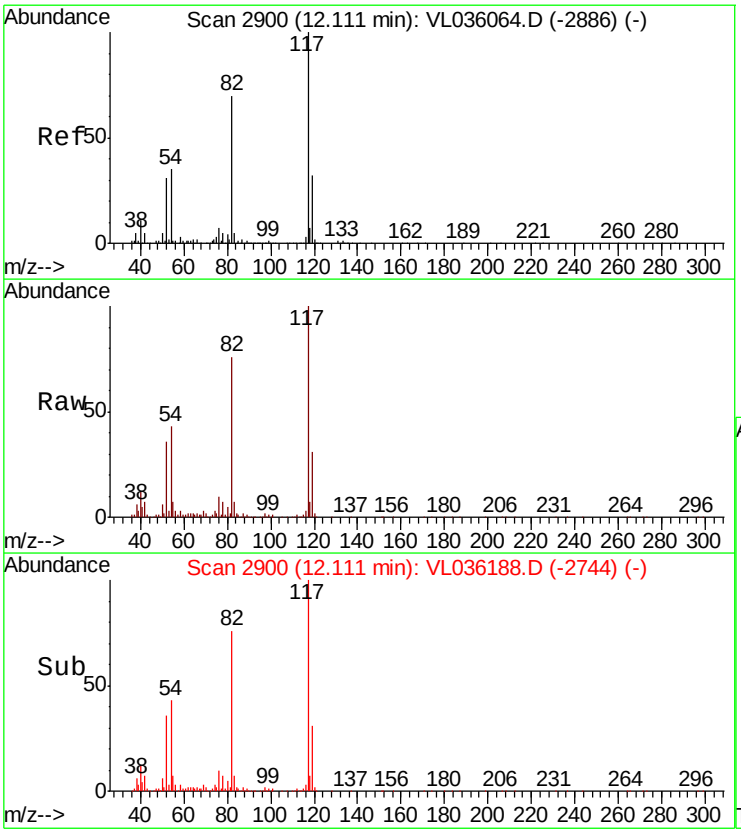
#53
Toluene
Concen: 0.689 ppbv
RT: 9.83 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 194594

Ion	Ratio	Lower	Upper
91	100		
92	61.8	48.2	72.2

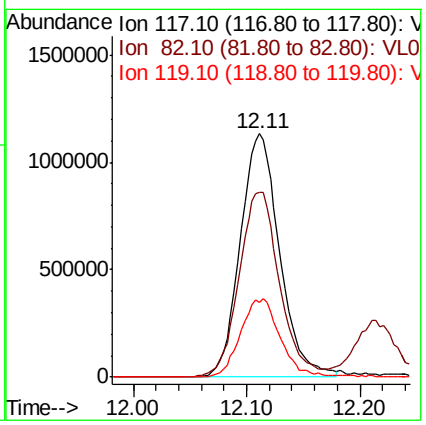


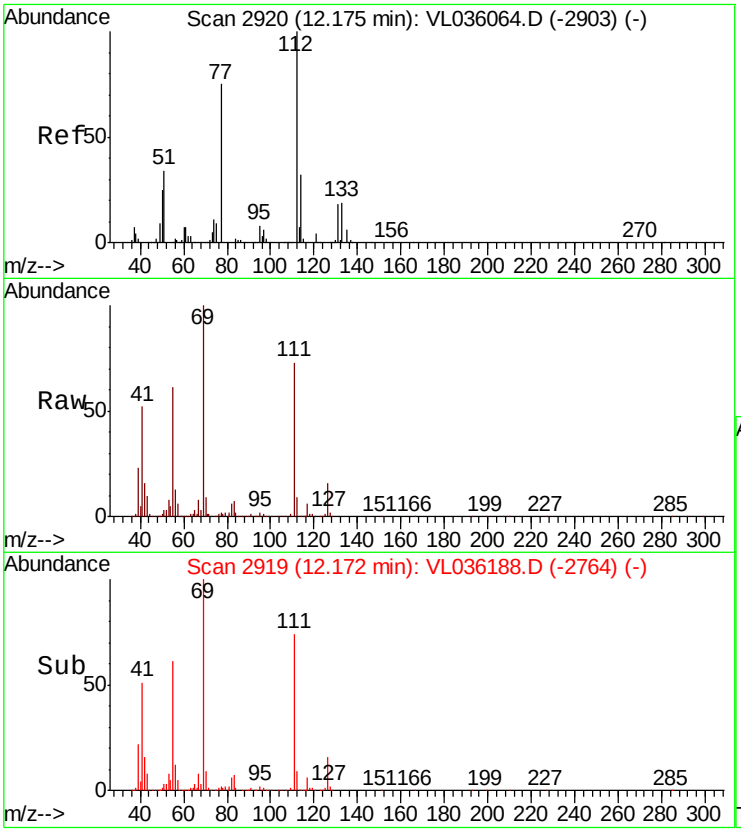


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion:117 Resp: 2739095

Ion	Ratio	Lower	Upper
117	100		
82	78.1	0.0	0.0#
119	32.9	0.0	0.0#



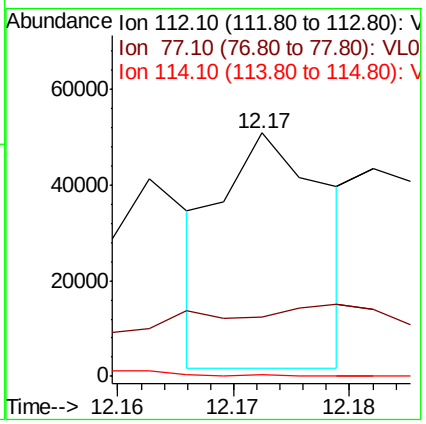


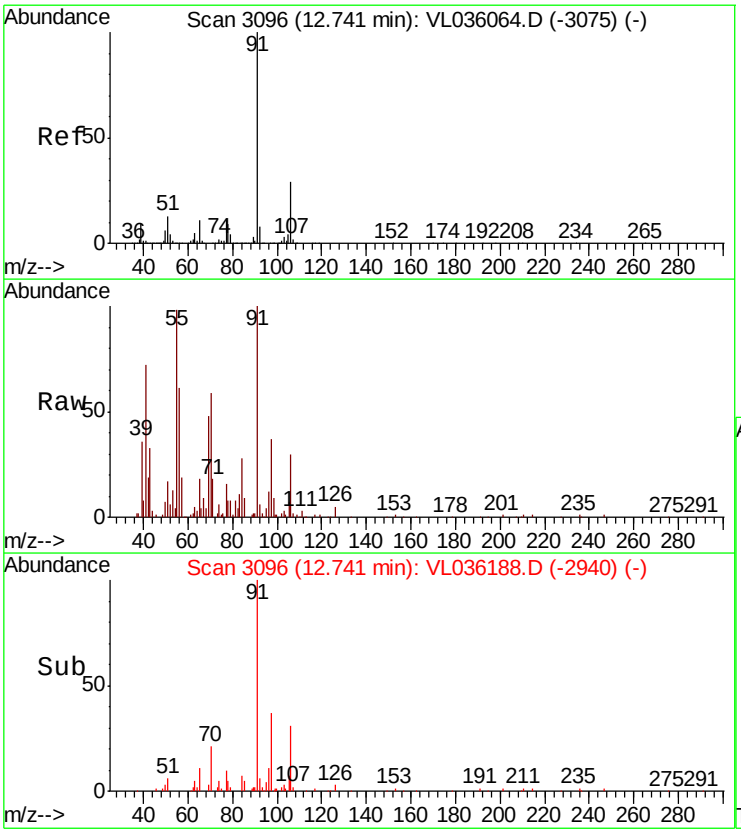
#57
Chlorobenzene
Concen: 0.162 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 31232

Ion	Ratio	Lower	Upper
112	100		
77	0.0	60.5	90.7#
114	0.6	29.2	35.6#

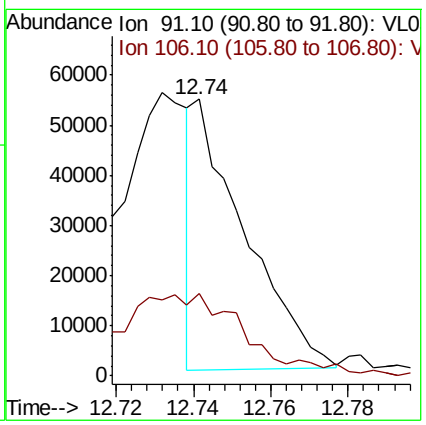


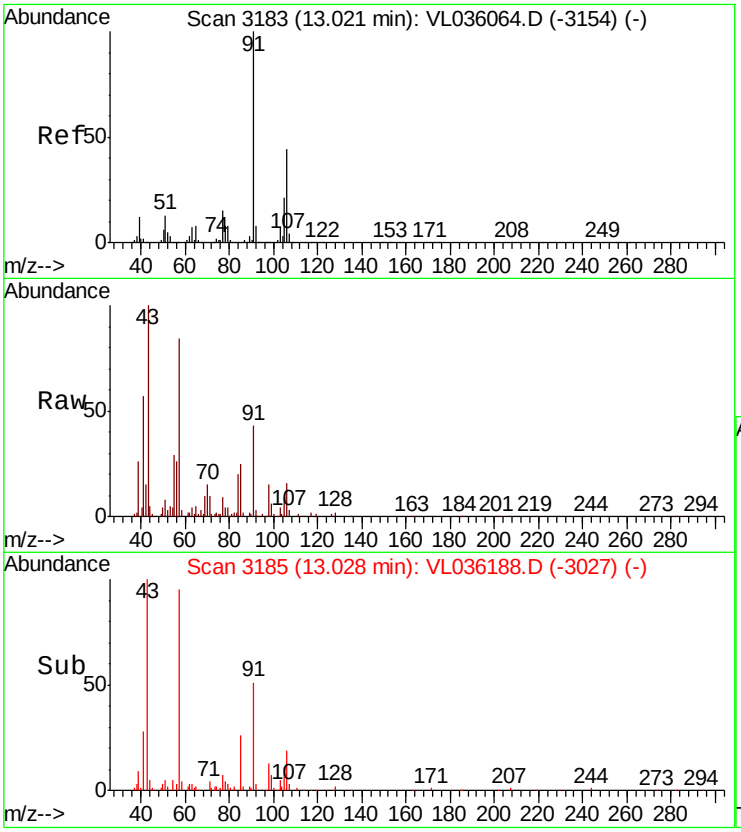


#58
Ethyl Benzene
Concen: 0.131 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 91 Resp: 49253

Ion	Ratio	Lower	Upper
91	100		
106	26.9	23.0	34.4



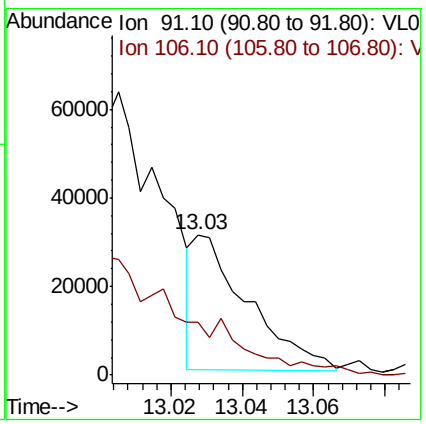


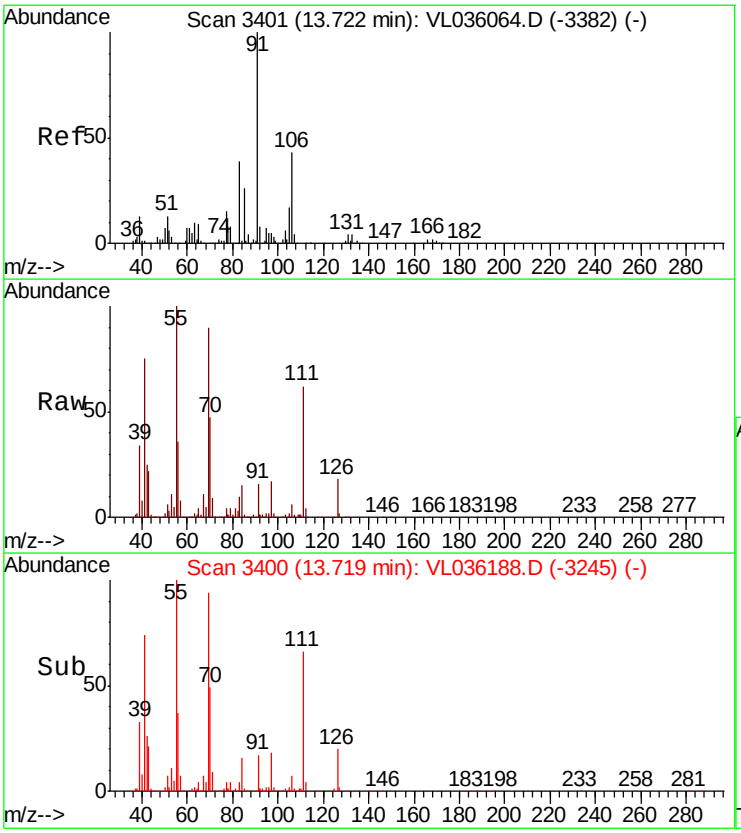
#59
m/p-Xylene
Concen: 0.102 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. 0.01 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 32228

Ion	Ratio	Lower	Upper
91	100		
106	0.0	33.6	50.4#

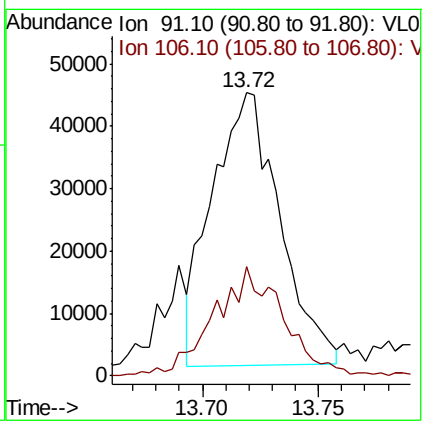


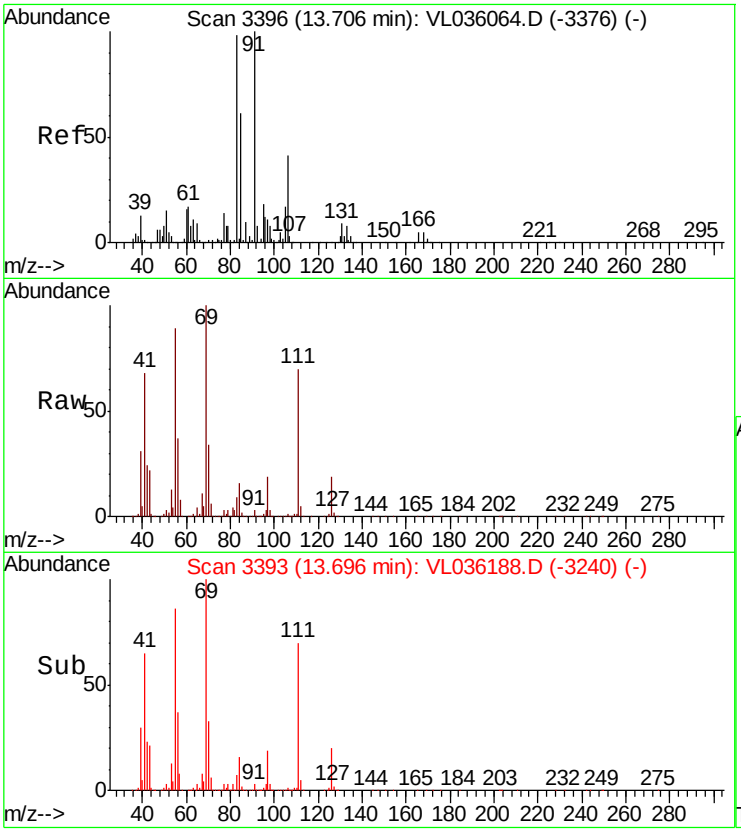


#60
o-Xylene
Concen: 0.297 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 91 Resp: 88581

Ion	Ratio	Lower	Upper
91	100		
106	41.0	21.6	64.6



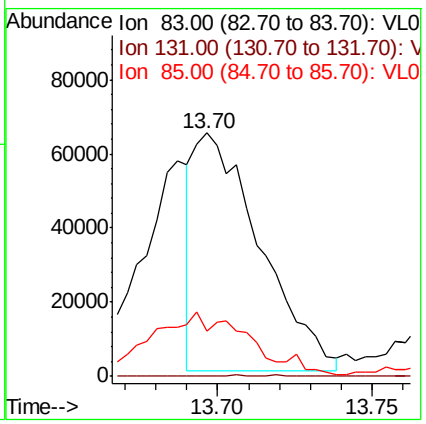


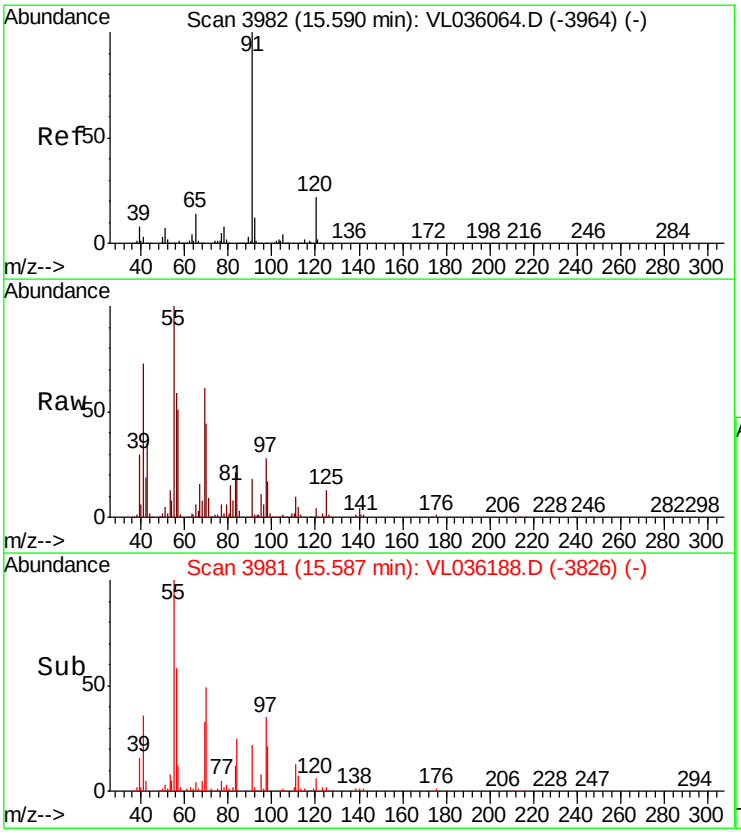
#63
1,1,2,2-Tetrachloroethane
Concen: 0.473 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 94820

Ion	Ratio	Lower	Upper
83	100		
131	0.2	4.6	13.8#
85	40.2	32.5	97.5

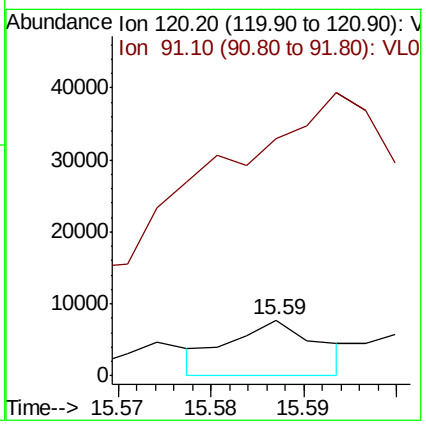


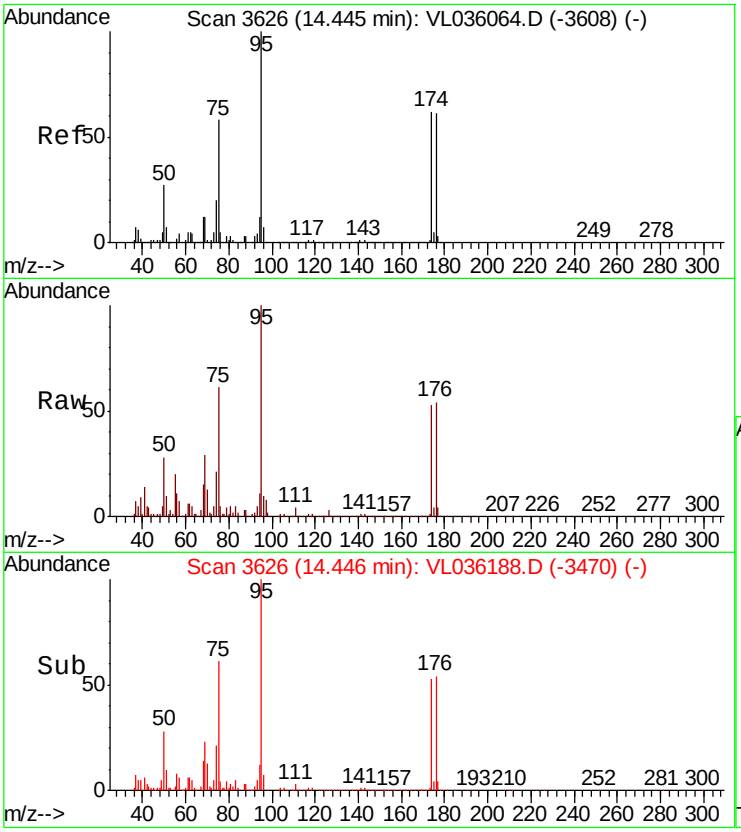


#64
n-propylbenzene
Concen: 0.048 ppbv
RT: 15.59 min Scan# 3981
Delta R.T. -0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion:120 Resp: 5148

Ion	Ratio	Lower	Upper
120	100		
91	0.0	388.9	583.3#



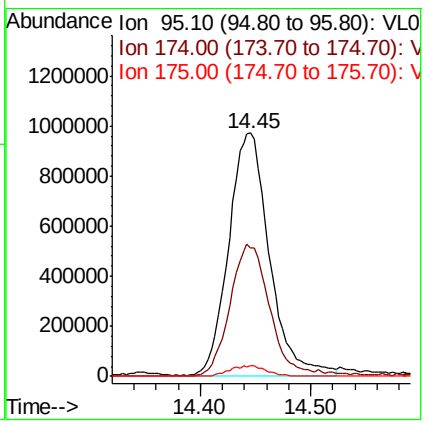


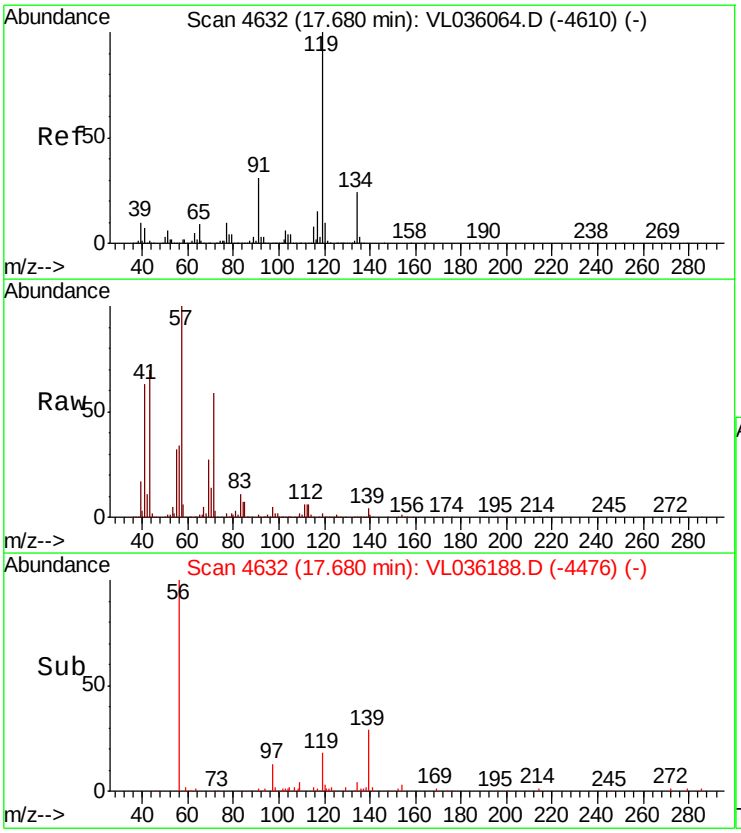
#68
1-Bromo-4-Fluorobenzene
Concen: 11.337 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2465740

Ion	Ratio	Lower	Upper
95	100		
174	54.4	50.7	76.1
175	4.2	4.0	6.0

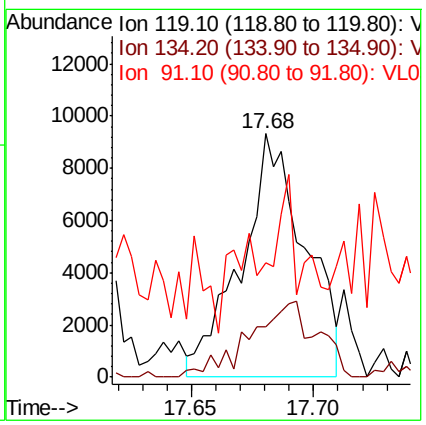


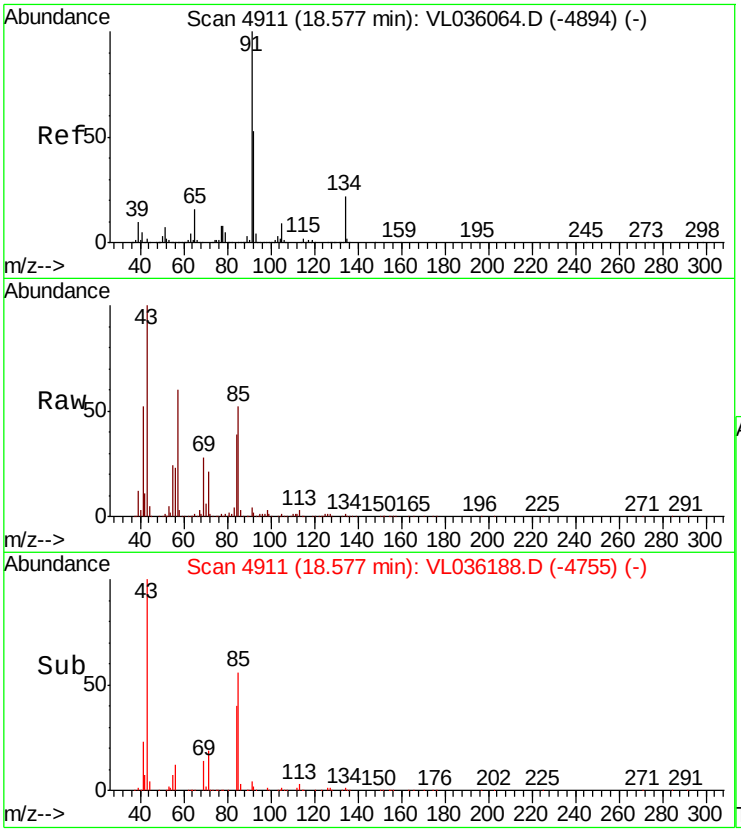


#69
p-Isopropyltoluene
Concen: 0.042 ppbv
RT: 17.68 min Scan# 4632
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion:119 Resp: 16846

Ion	Ratio	Lower	Upper
119	100		
134	33.7	19.8	29.6#
91	50.3	25.8	38.6#



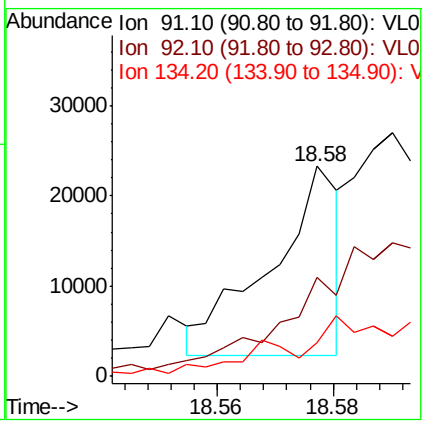


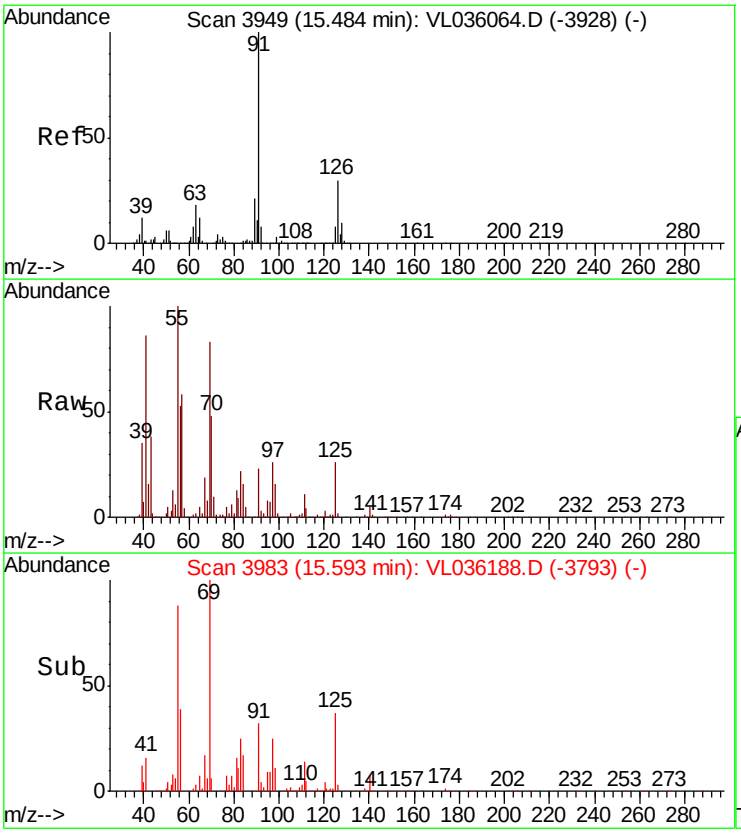
#70
n-Butylbenzene
Concen: 0.043 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 17218

Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.3	64.9#
134	99.6	17.1	25.7#

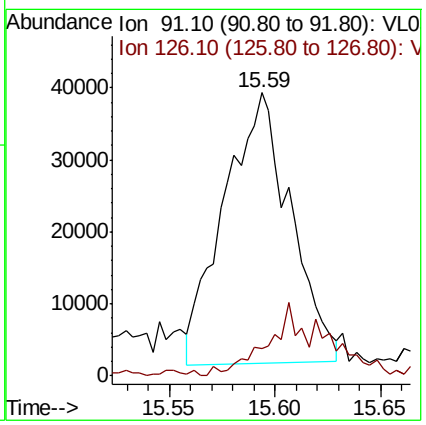


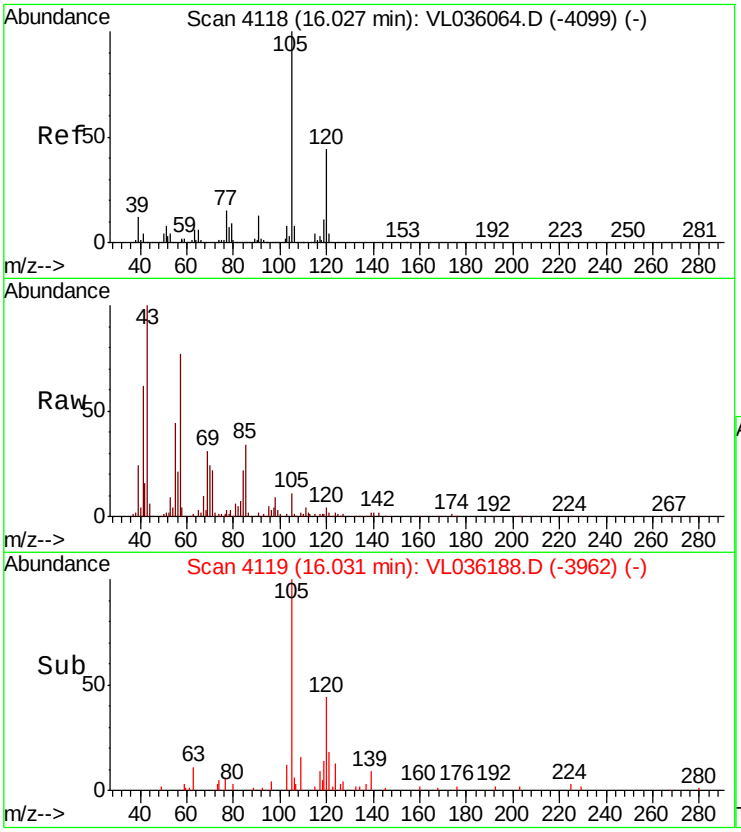


#71
2-Chlorotoluene
Concen: 0.245 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. 0.11 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion: 91 Resp: 81938

Ion	Ratio	Lower	Upper
91	100		
126	23.3	11.6	46.4



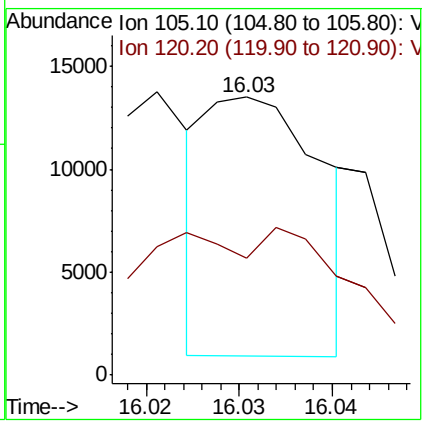


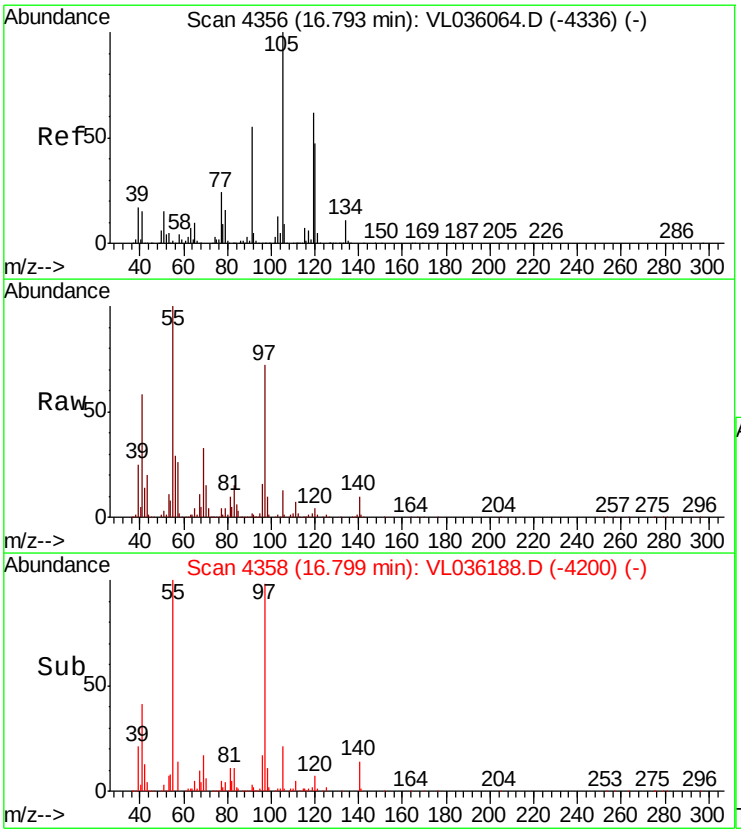
#73
1,3,5-Trimethylbenzene
Concen: 0.035 ppbv
RT: 16.03 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 10788

Ion	Ratio	Lower	Upper
105	100		
120	26.1	35.4	53.2#





#74
1,2,4-Trimethylbenzene
Concen: 0.164 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. 0.01 min
Lab File: VL036188.D
Acq: 17 Dec 2020 5:04

Tgt Ion:105 Resp: 50652

Ion	Ratio	Lower	Upper
105	100		
120	32.4	37.4	56.0#
91	8.6	45.6	68.4#
77	19.4	19.4	29.2#