Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031620\
Data File : VL034909.D
Acq On : 17 Mar 2020 3:16
Operator : SY/AP
Sample : L1924-08
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 17 04:29:33 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	851472	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	1894668	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	1838573	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1501145	10.47	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.00	85	93085	0.798	ppbv	#	84
3) Chlorodifluoromethane	2.95	51	57046	0.600	ppbv	#	82
4) Chloromethane	3.09	50	2517	0.047	ppbv	#	71
9) Propene	2.97	41	5852	0.129	ppbv	#	15
10) Heptane	8.12	43	4081	0.037	ppbv	#	28
11) Trichlorofluoromethane	3.92	101	25783	0.208	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	21824	0.251	ppbv		91
13) Ethanol	3.57	45	574148	41.586	ppbv		92
15) Acetone	3.81	43	1801438	16.323	ppbv		100
16) 1,3-Butadiene	3.27	39	4028	0.081	ppbv	#	9
19) Isopropyl Alcohol	3.95	45	145553	2.089	ppbv	#	37
20) Methylene Chloride	4.31	84	76055	2.180	ppbv		92
25) Ethyl Acetate	5.67	43	50563	0.257	ppbv	#	86
26) Hexane	5.67	57	56803	0.671	ppbv	#	42
27) Carbon Disulfide	4.52	76	6185	0.064	ppbv	#	41
34) 2-Butanone	5.23	43	66647	0.529	ppbv		92
35) Carbon Tetrachloride	7.01	117	3680	0.031	ppbv	#	32
36) Benzene	6.88	78	43955	0.260	ppbv	#	87
38) Trichloroethene	7.83	130	443783	6.919	ppbv		96
39) 1,2-Dichloropropane	7.17	63	524062	7.832	ppbv	#	23
44) 2,2,4-Trimethylpentane	7.87	57	9737	0.034	ppbv	#	1
52) Tetrachloroethene	11.24	164	2534	0.038	ppbv	#	33
53) Toluene	9.81	91	147142	0.754	ppbv	#	20
59) m/p-Xylene	13.01	91	9268	0.044	ppbv	#	30

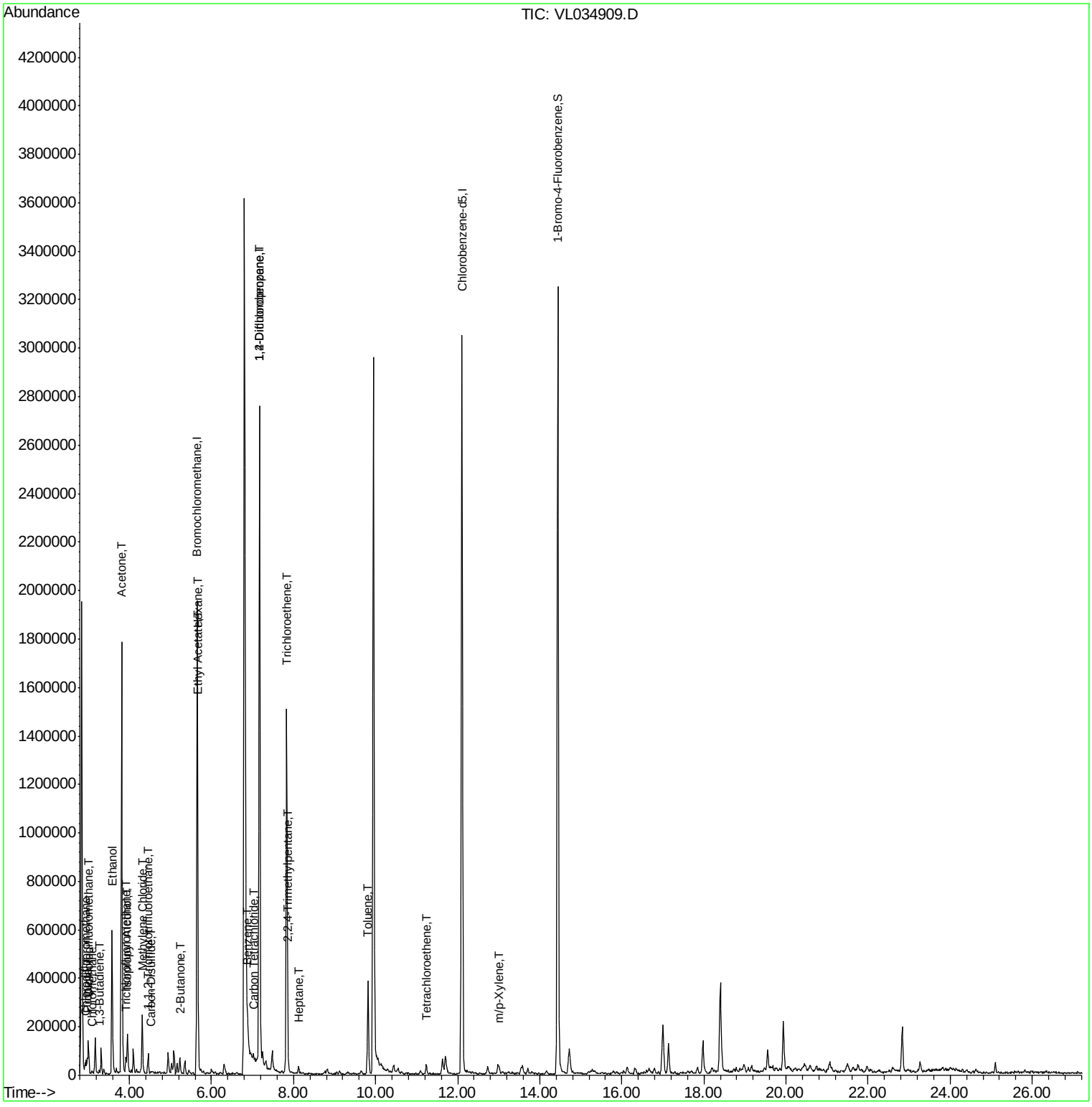
(#) = qualifier out of range (m) = manual integration (+) = signals summed

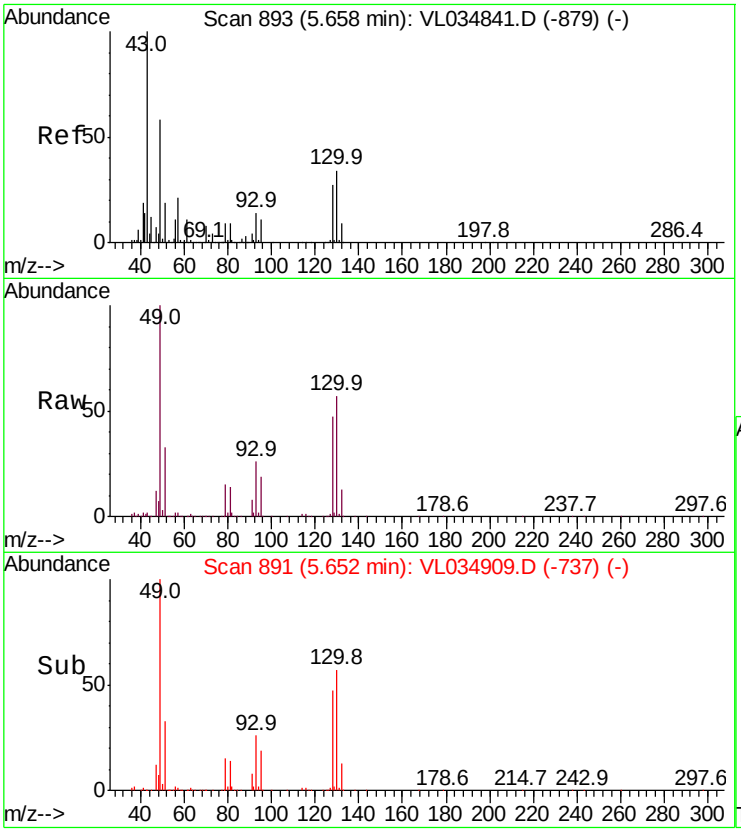
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031620\
Data File : VL034909.D
Acq On : 17 Mar 2020 3:16
Operator : SY/AP
Sample : L1924-08
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 17 04:29:33 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



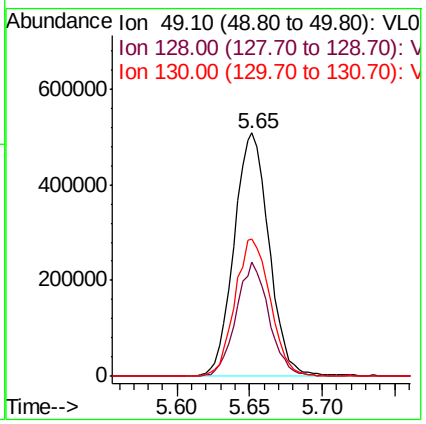


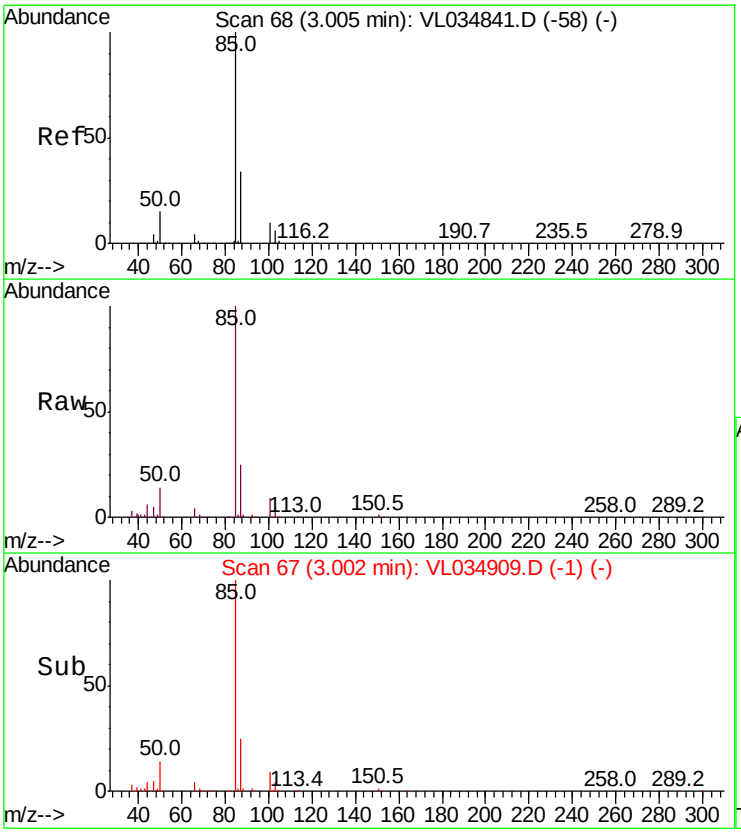
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 851472

Ion	Ratio	Lower	Upper
49	100		
128	44.2	23.4	70.3
130	57.6	30.0	90.0

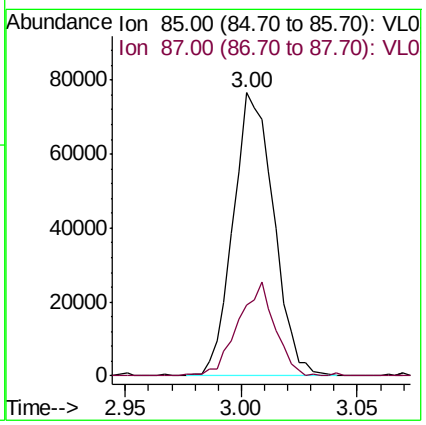


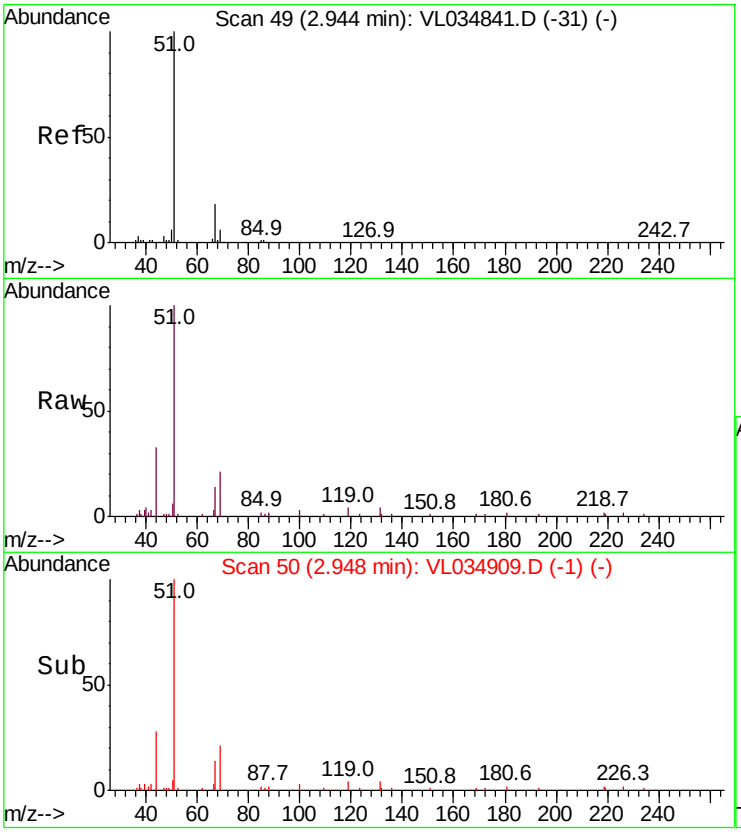


#2
Dichlorodifluoromethane
Concen: 0.798 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.00 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion: 85 Resp: 93085

Ion	Ratio	Lower	Upper
85	100		
87	24.5	26.9	40.3#



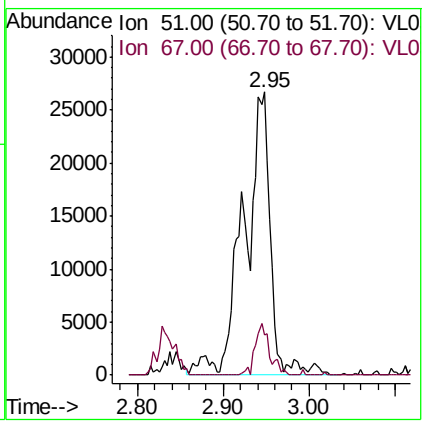


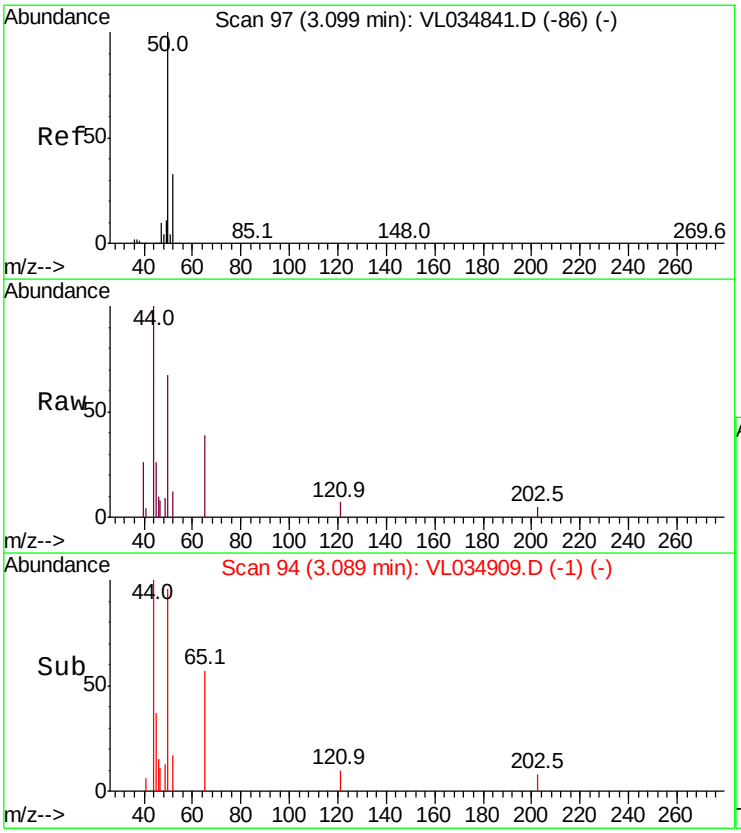
#3
Chlorodifluoromethane
Concen: 0.600 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 57046

Ion	Ratio	Lower	Upper
51	100		
67	10.0	14.3	21.5#

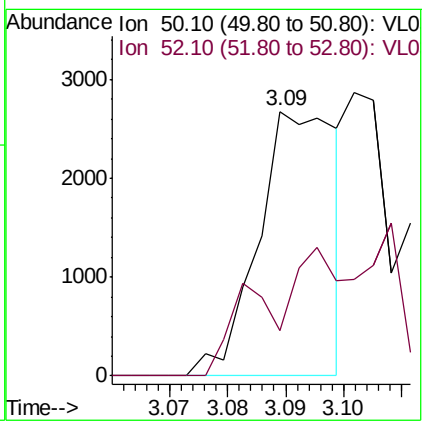


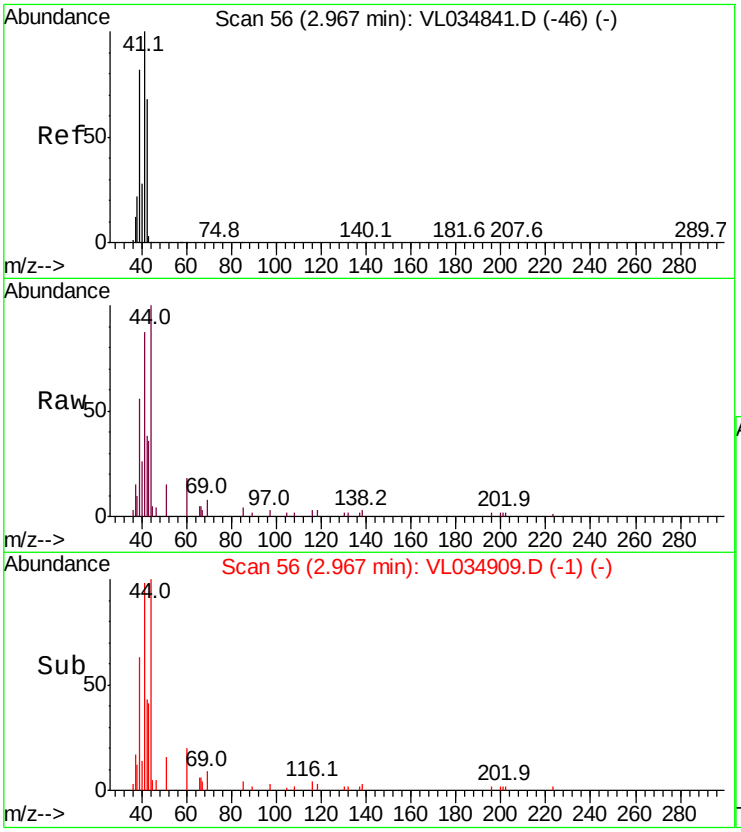


#4
Chloromethane
Concen: 0.047 ppbv
RT: 3.09 min Scan# 94
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion: 50 Resp: 2517

Ion	Ratio	Lower	Upper
50	100		
52	17.2	26.8	40.2#



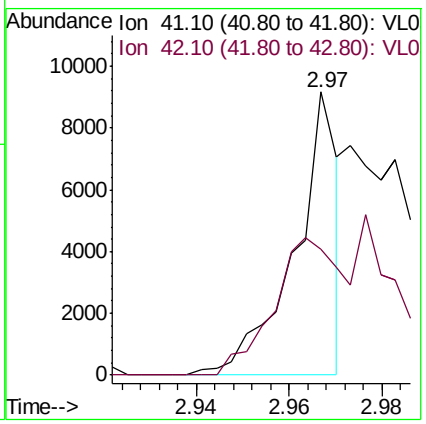


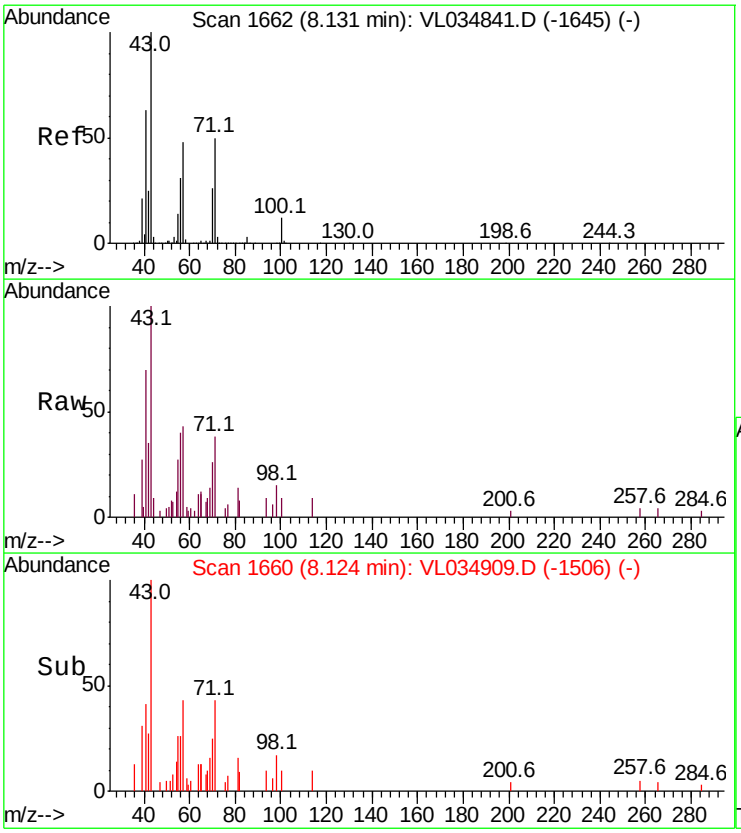
#9
Propene
Concen: 0.129 ppbv
RT: 2.97 min Scan# 56
Delta R.T. 0.00 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 5852

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.2	82.8#

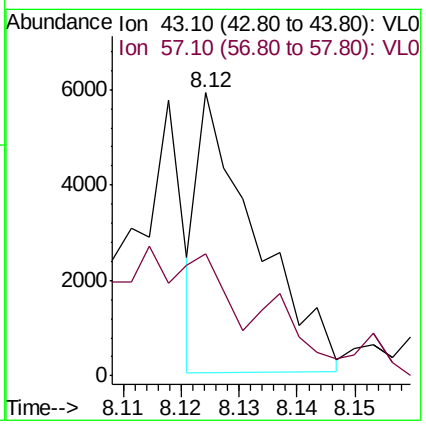


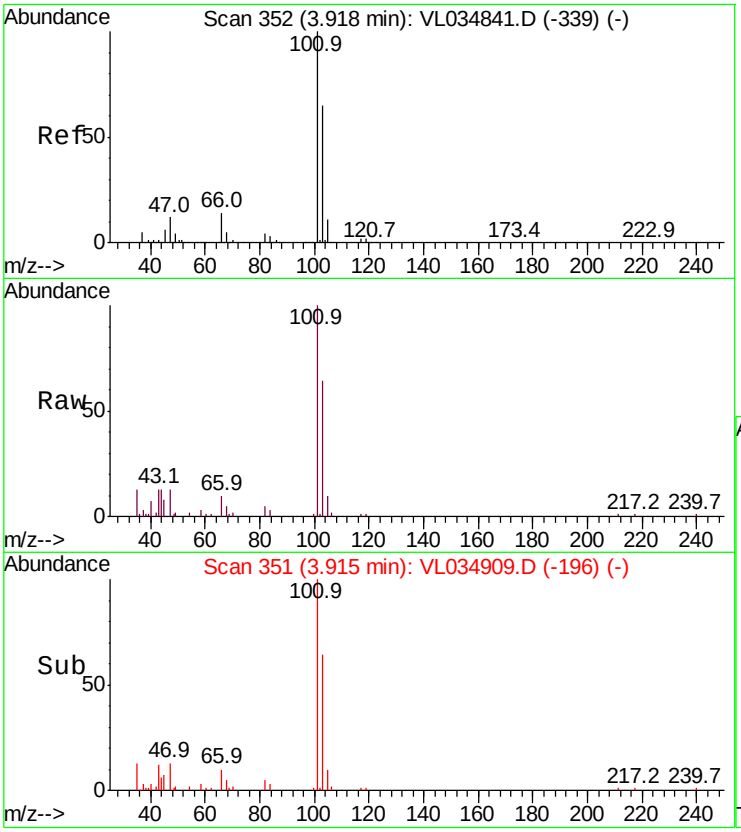


#10
Heptane
Concen: 0.037 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion: 43 Resp: 4081

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.7	59.5#



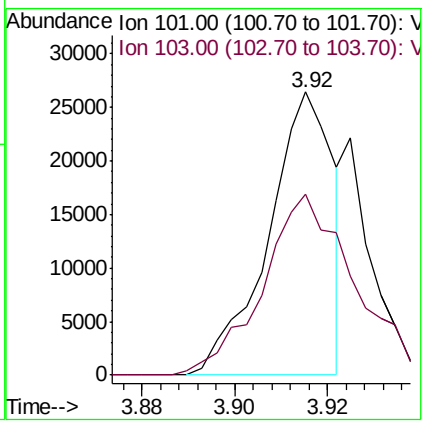


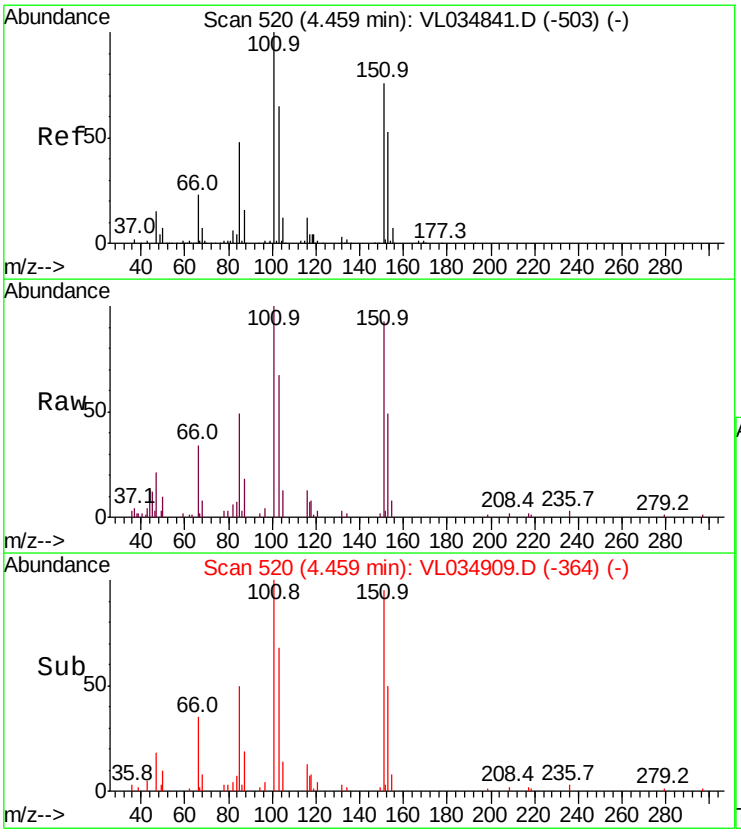
#11
Trichlorofluoromethane
Concen: 0.208 ppbv
RT: 3.92 min Scan# 351
Delta R.T. -0.00 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 25783

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.8	77.8

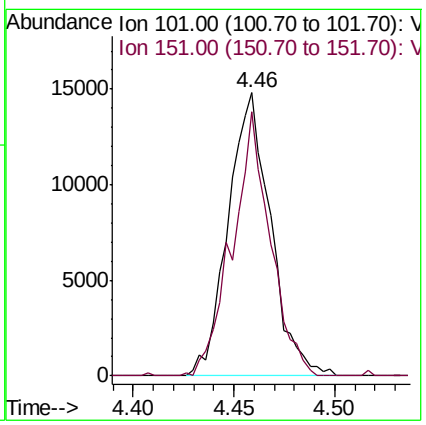


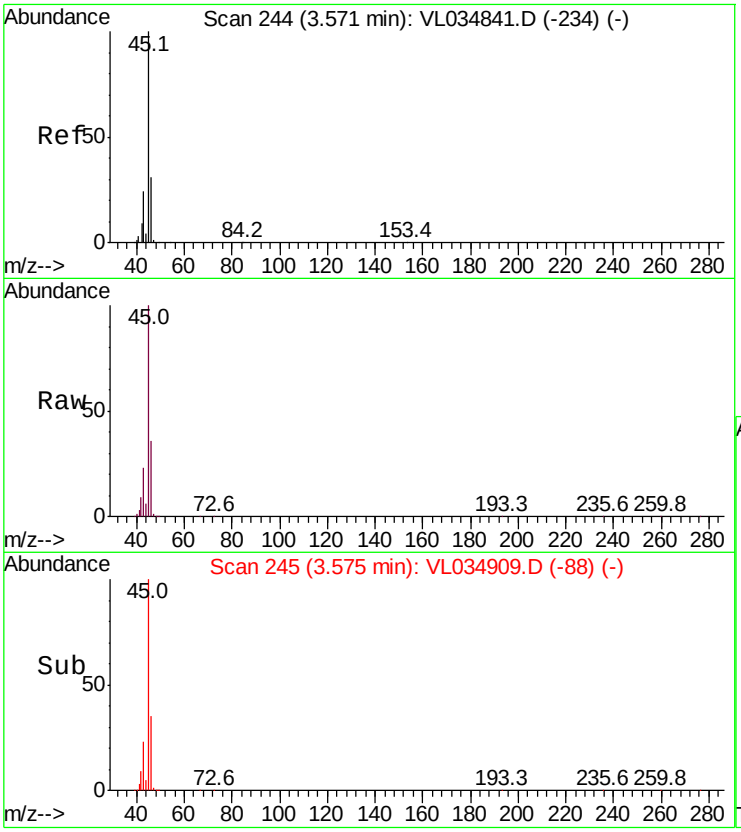


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.251 ppbv
RT: 4.46 min Scan# 520
Delta R.T. 0.00 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion:101 Resp: 21824

Ion	Ratio	Lower	Upper
101	100		
151	83.7	60.8	91.2



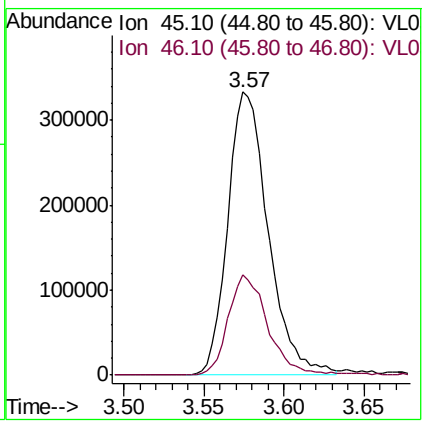


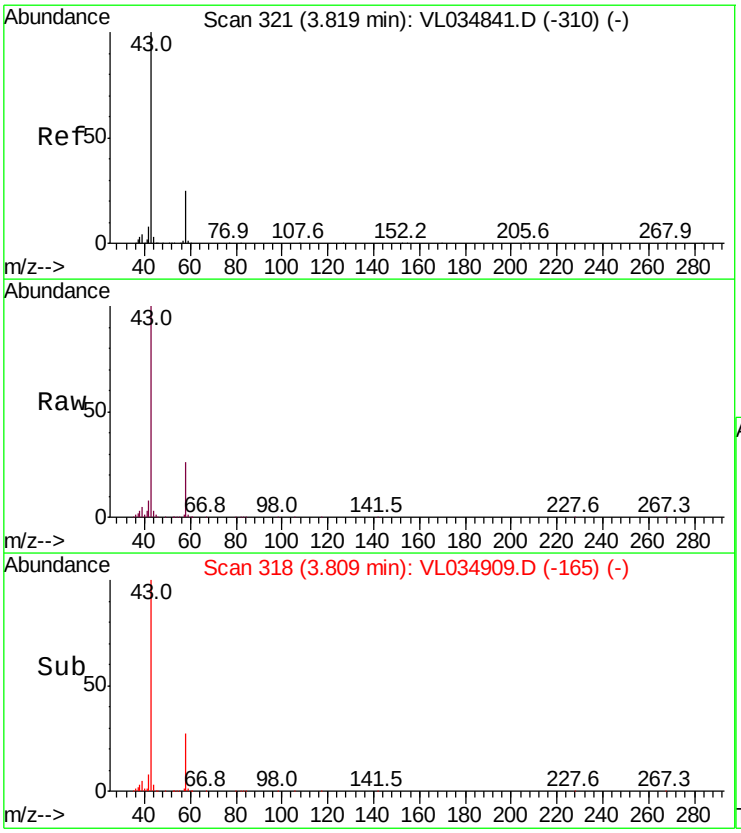
#13
Ethanol
Concen: 41.586 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 574148

Ion	Ratio	Lower	Upper
45	100		
46	35.0	16.0	64.0

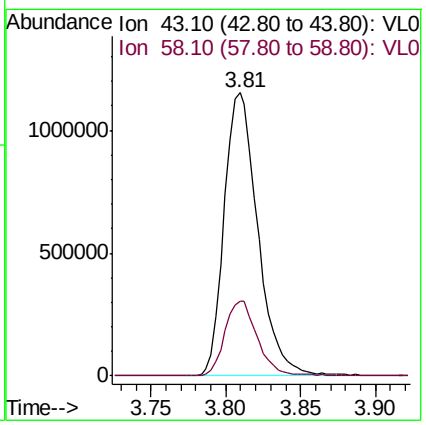


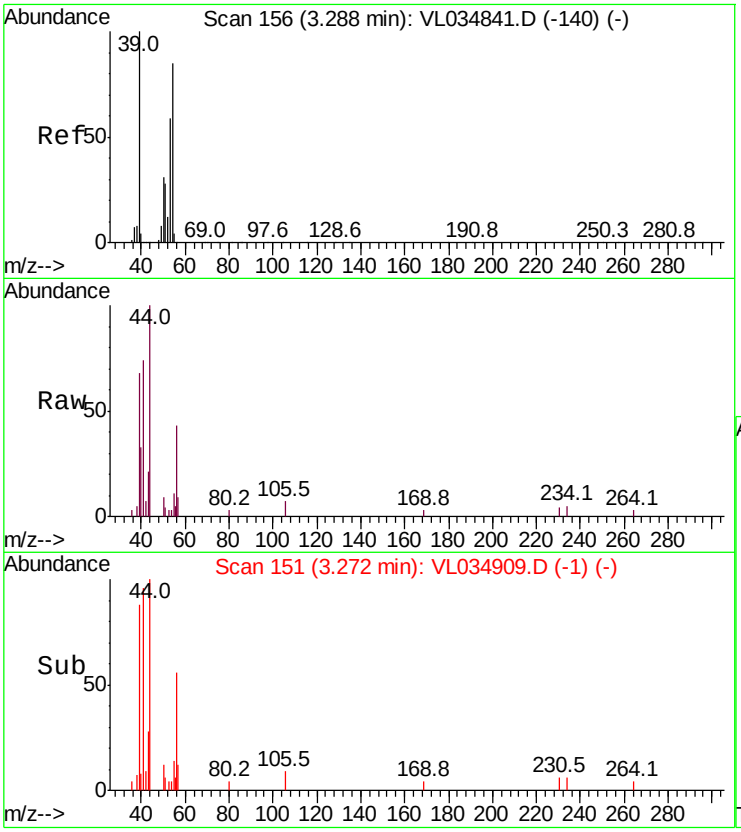


#15
Acetone
Concen: 16.323 ppbv
RT: 3.81 min Scan# 318
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion: 43 Resp: 1801438

Ion	Ratio	Lower	Upper
43	100		
58	26.1	21.0	31.6



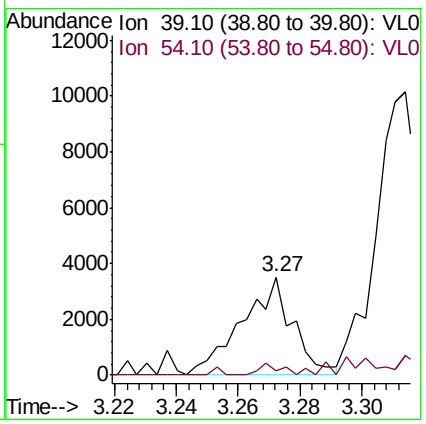


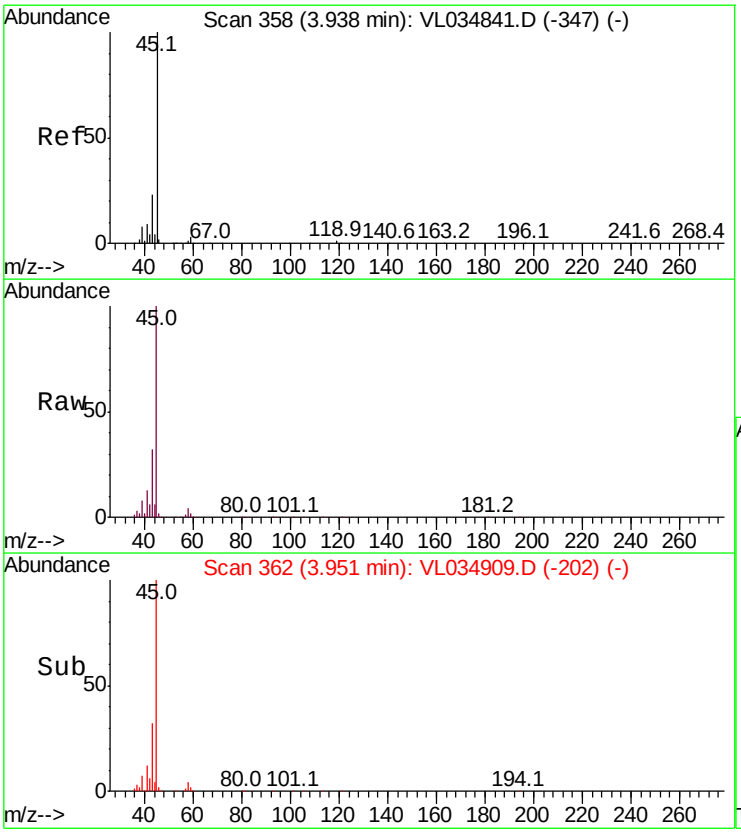
#16
1,3-Butadiene
Concen: 0.081 ppbv
RT: 3.27 min Scan# 151
Delta R.T. -0.02 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 4028

Ion	Ratio	Lower	Upper
39	100		
54	0.0	65.0	97.6#

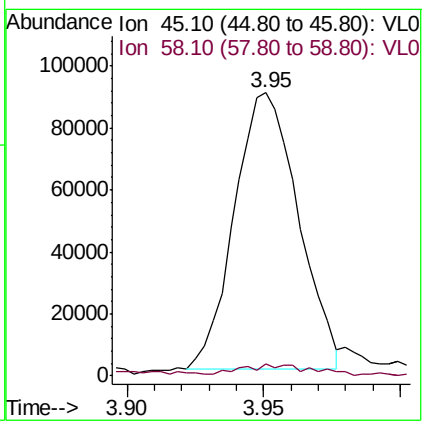


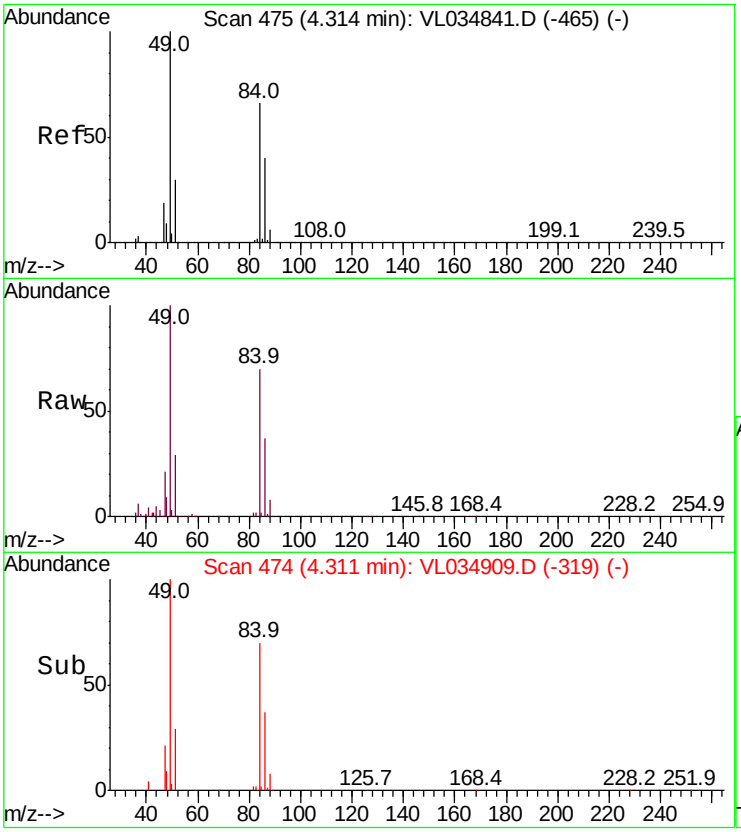


#19
Isopropyl Alcohol
Concen: 2.089 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion: 45 Resp: 145553

Ion	Ratio	Lower	Upper
45	100		
58	0.0	30.5	45.7#



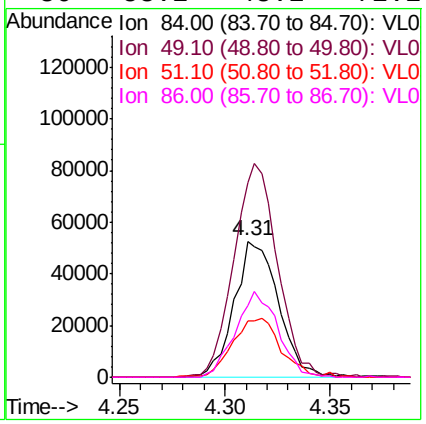


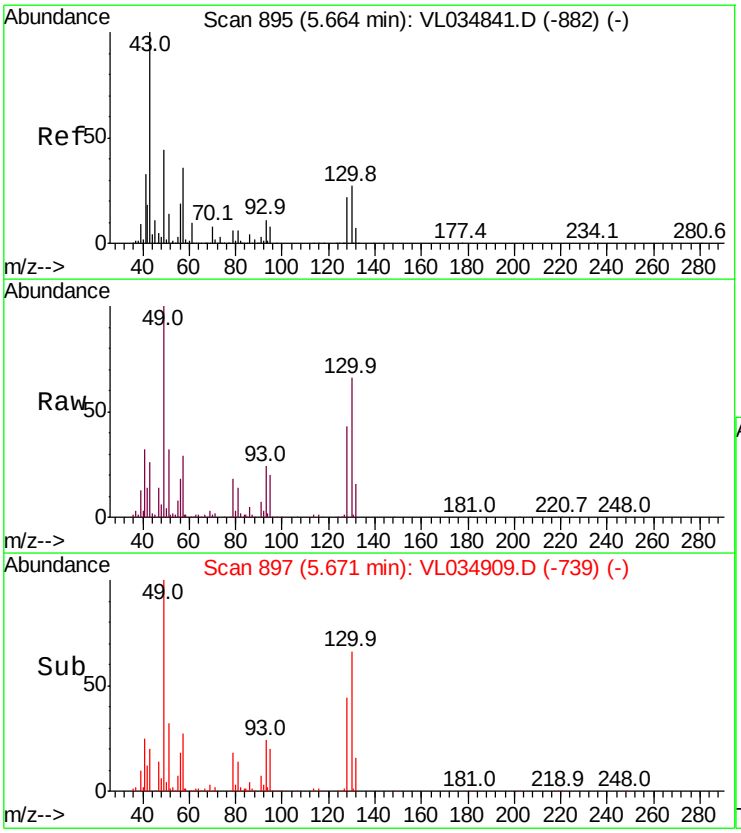
#20
Methylene Chloride
Concen: 2.180 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.00 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 76055

Ion	Ratio	Lower	Upper
84	100		
49	142.3	121.5	182.3
51	40.7	36.6	55.0
86	53.2	48.2	72.2

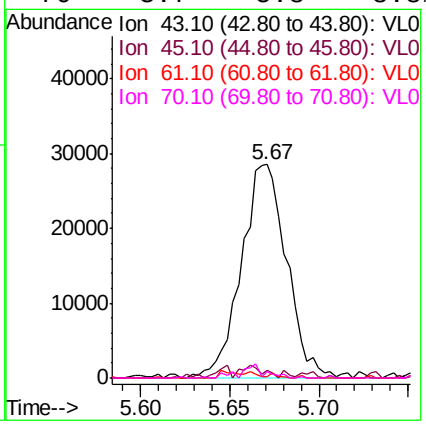


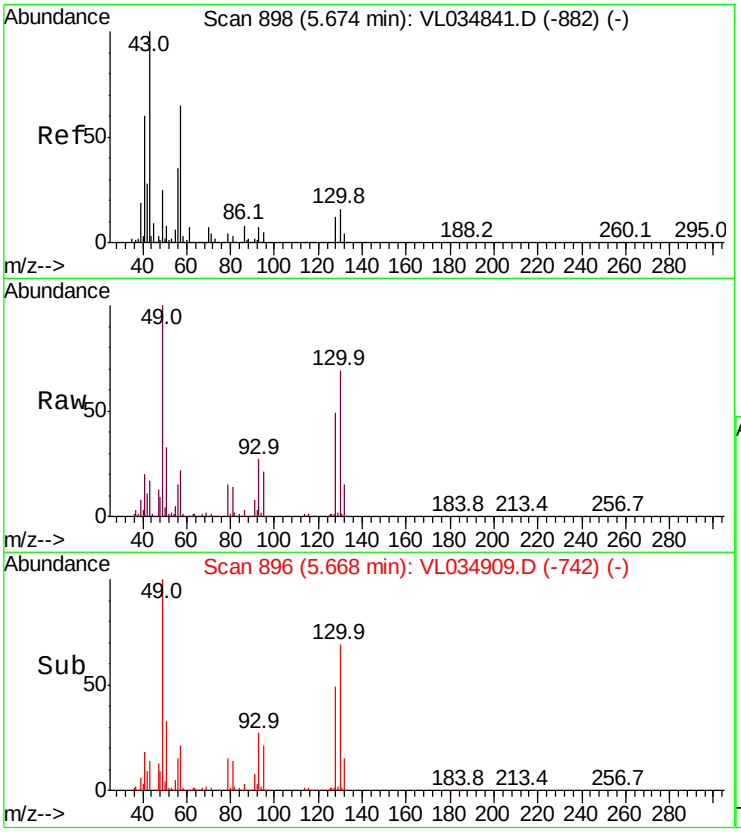


#25
Ethyl Acetate
Concen: 0.257 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion: 43 Resp: 50563

Ion	Ratio	Lower	Upper
43	100		
45	6.4	8.2	12.2#
61	2.5	7.8	11.6#
70	3.7	5.8	8.8#



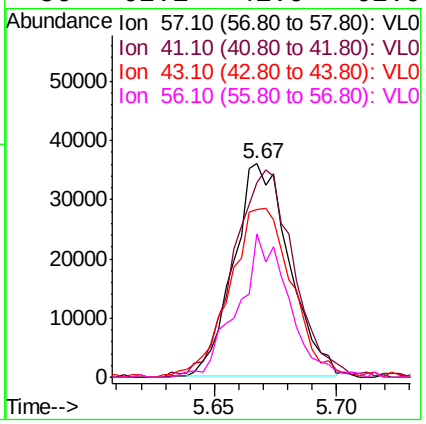


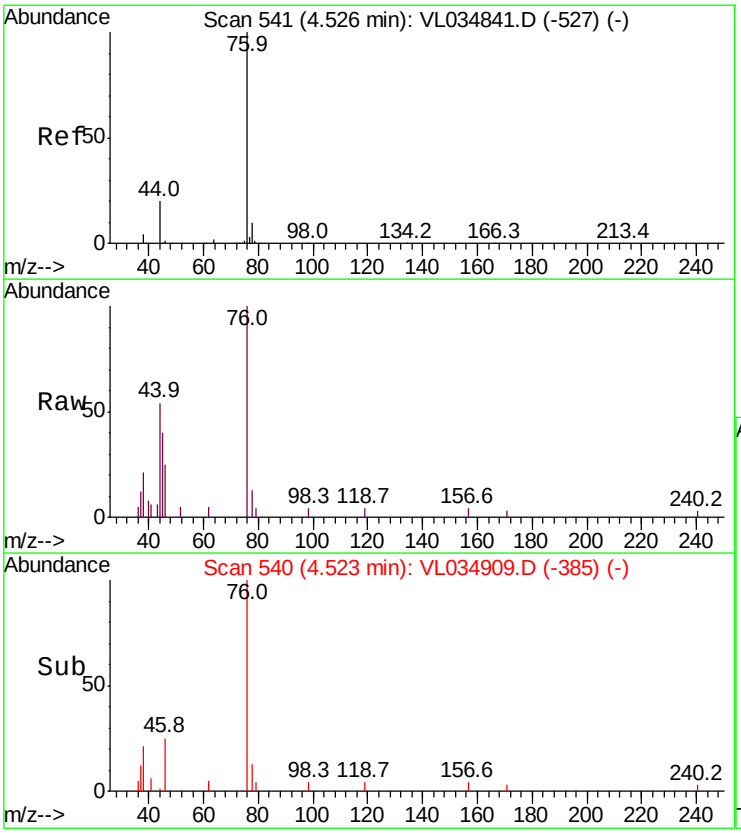
#26
Hexane
Concen: 0.671 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 56803

Ion	Ratio	Lower	Upper
57	100		
41	107.2	72.6	109.0
43	89.5	183.8	275.6#
56	62.1	41.9	62.9

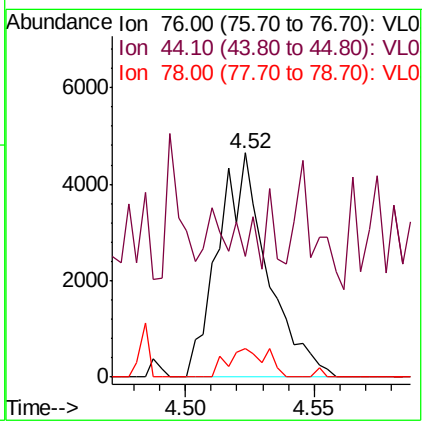


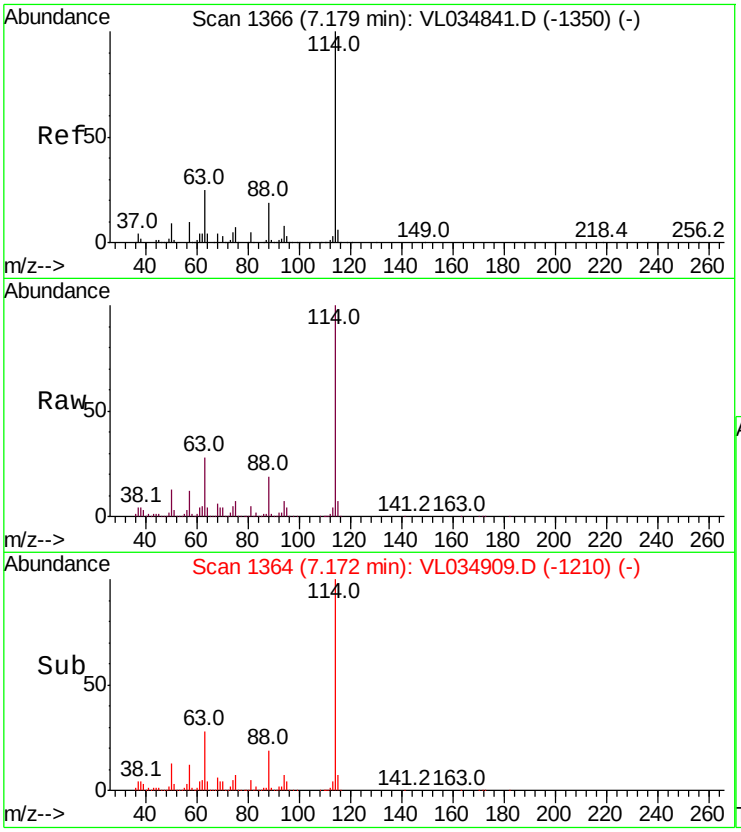


#27
Carbon Disulfide
Concen: 0.064 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.00 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion: 76 Resp: 6185

Ion	Ratio	Lower	Upper
76	100		
44	59.3	16.2	24.2#
78	11.1	7.8	11.6



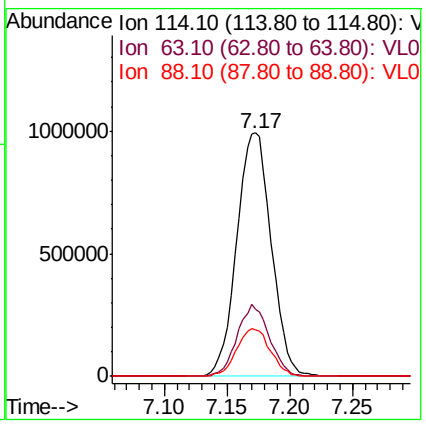


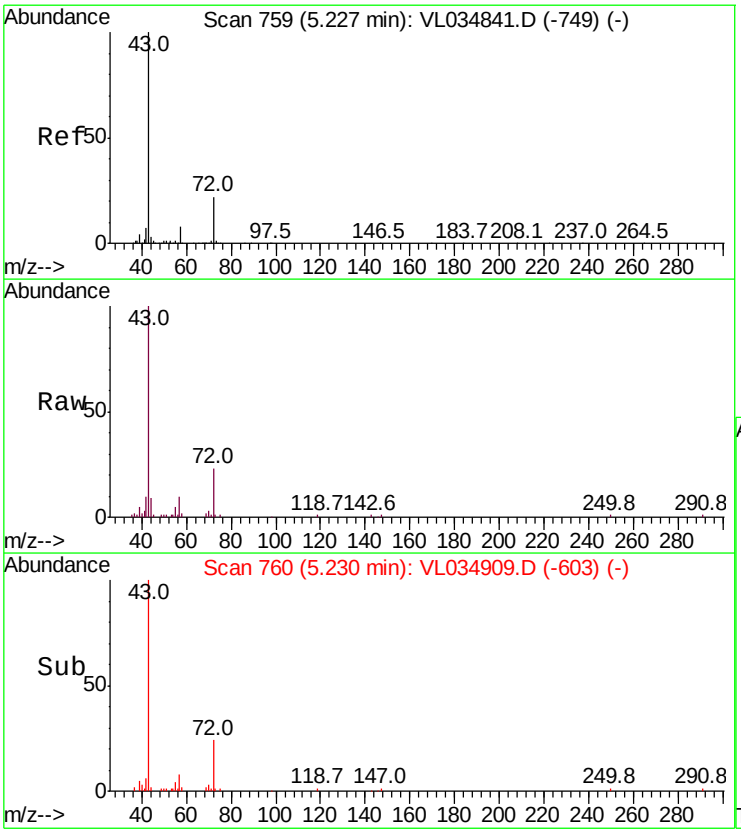
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 1894668

Ion	Ratio	Lower	Upper
114	100		
63	27.8	20.6	31.0
88	19.2	15.0	22.6

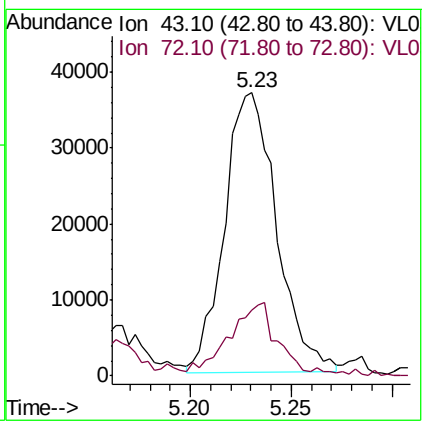


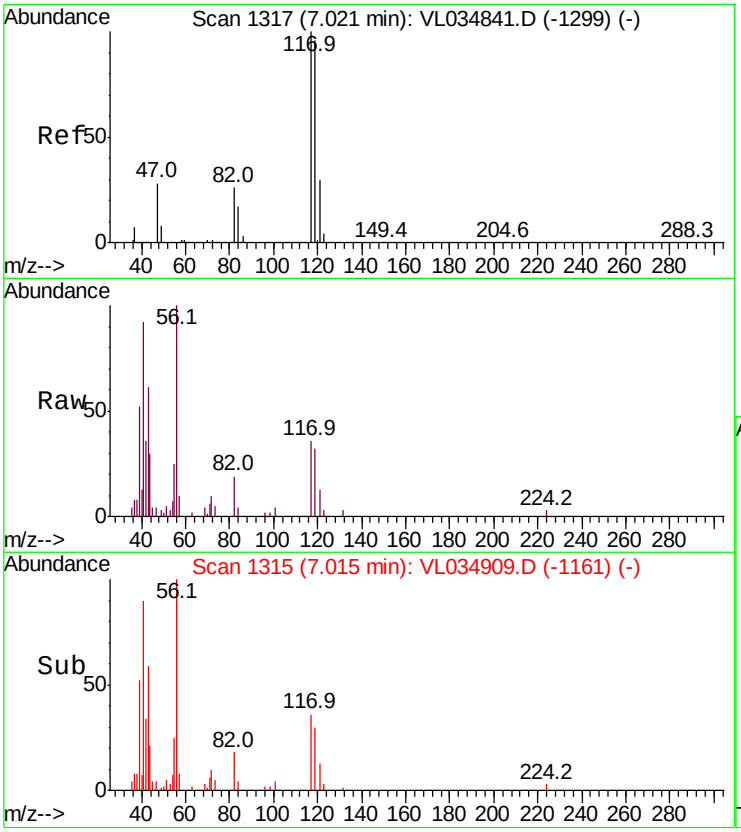


#34
2-Butanone
Concen: 0.529 ppbv
RT: 5.23 min Scan# 760
Delta R.T. 0.00 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion: 43 Resp: 66647

Ion	Ratio	Lower	Upper
43	100		
72	25.9	17.6	26.4



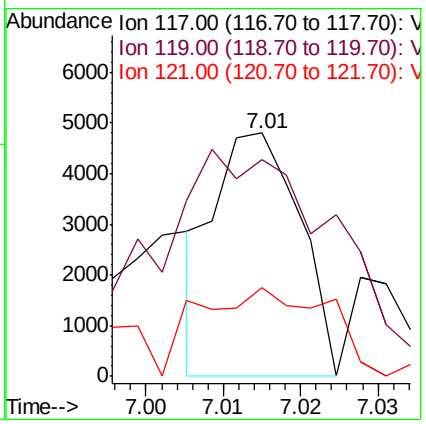


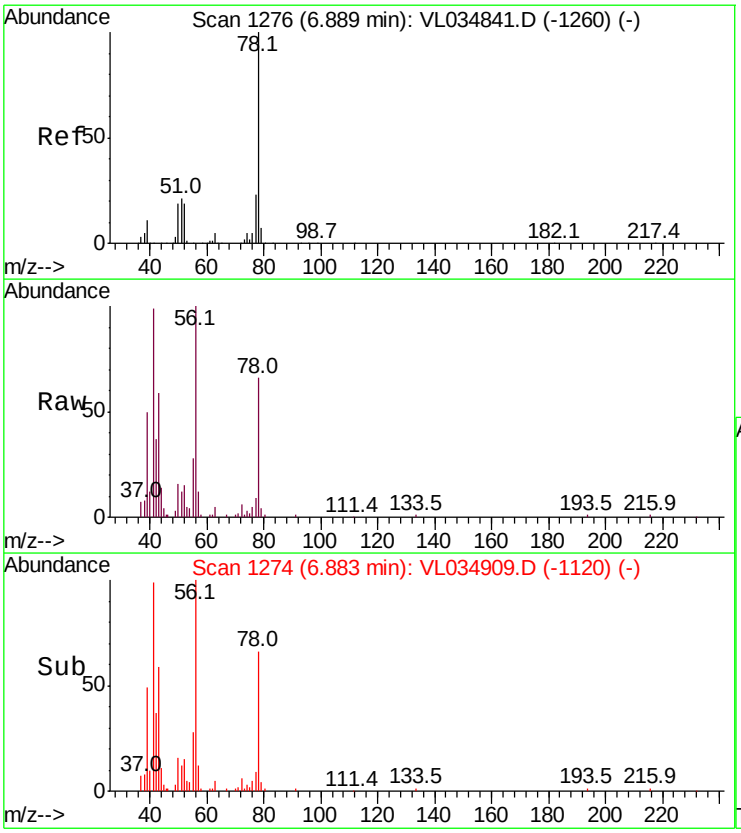
#35
Carbon Tetrachloride
Concen: 0.031 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3680

Ion	Ratio	Lower	Upper
117	100		
119	22.5	77.0	115.4#
121	5.0	24.0	36.0#

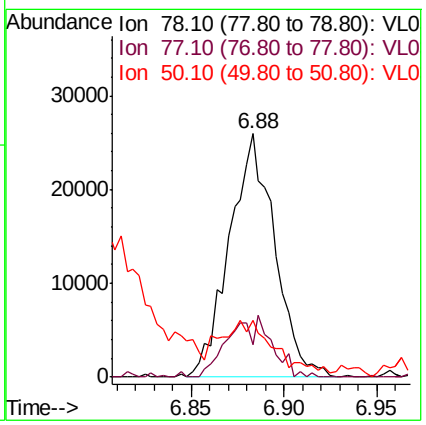


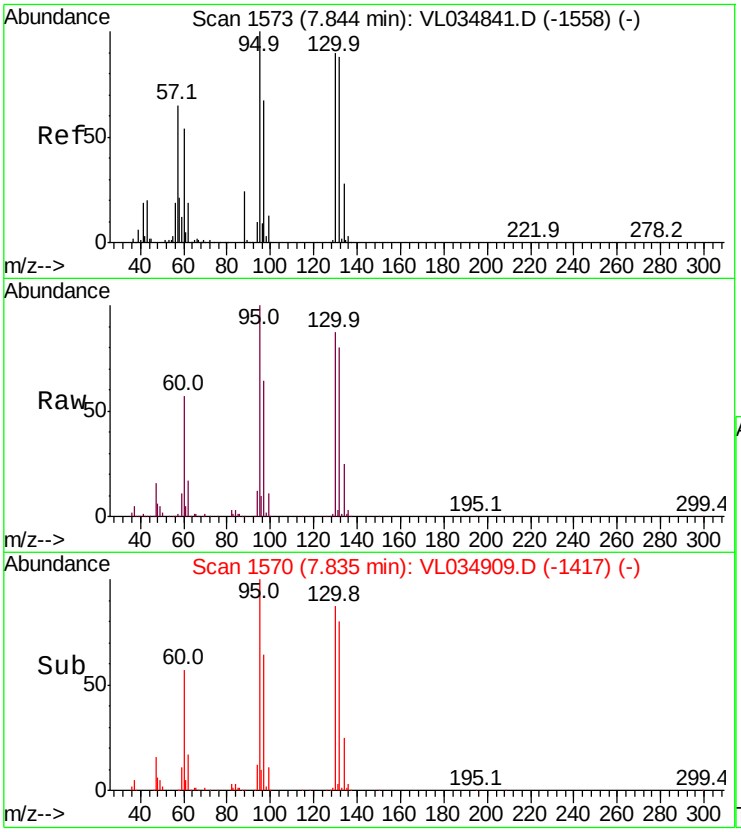


#36
Benzene
Concen: 0.260 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion: 78 Resp: 43955

Ion	Ratio	Lower	Upper
78	100		
77	13.1	18.2	27.2#
50	21.4	15.2	22.8



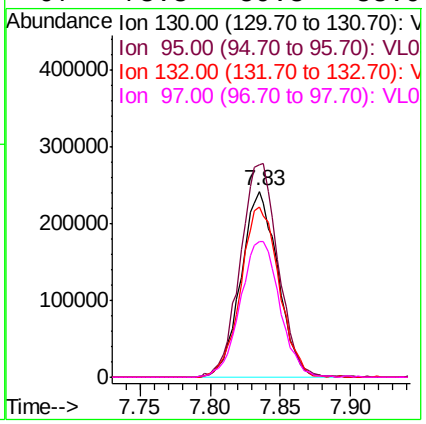


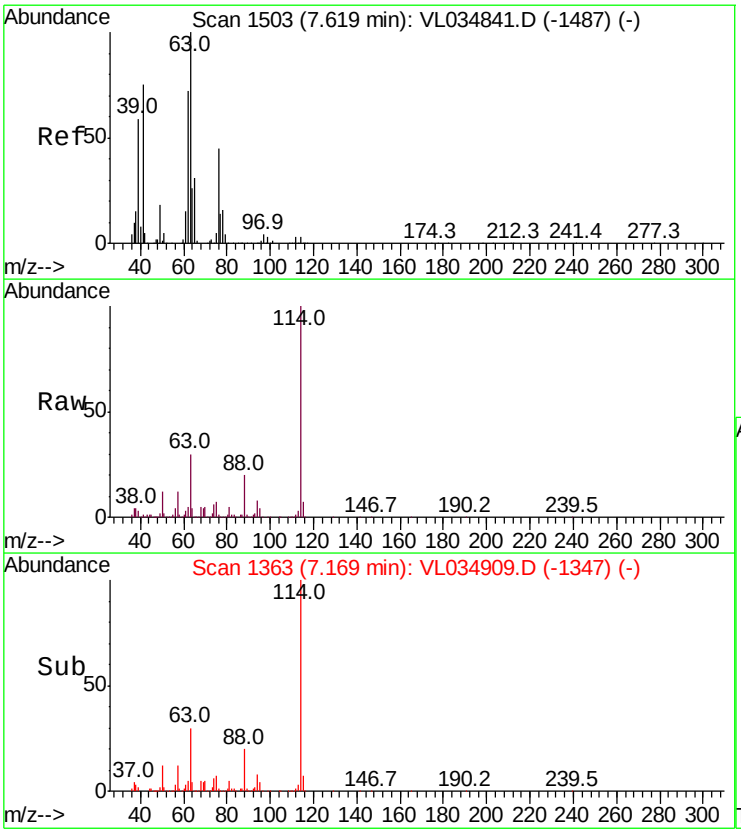
#38
Trichloroethene
Concen: 6.919 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 443783

Ion	Ratio	Lower	Upper
130	100		
95	114.5	88.5	132.7
132	91.4	78.0	117.0
97	73.3	59.3	88.9

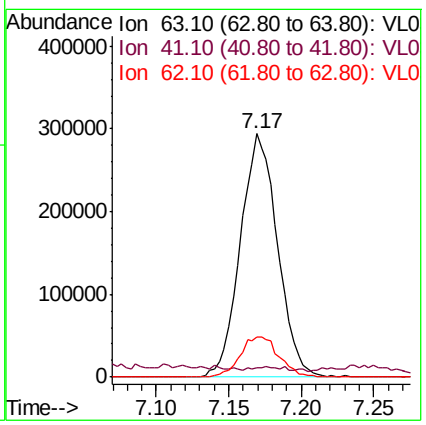


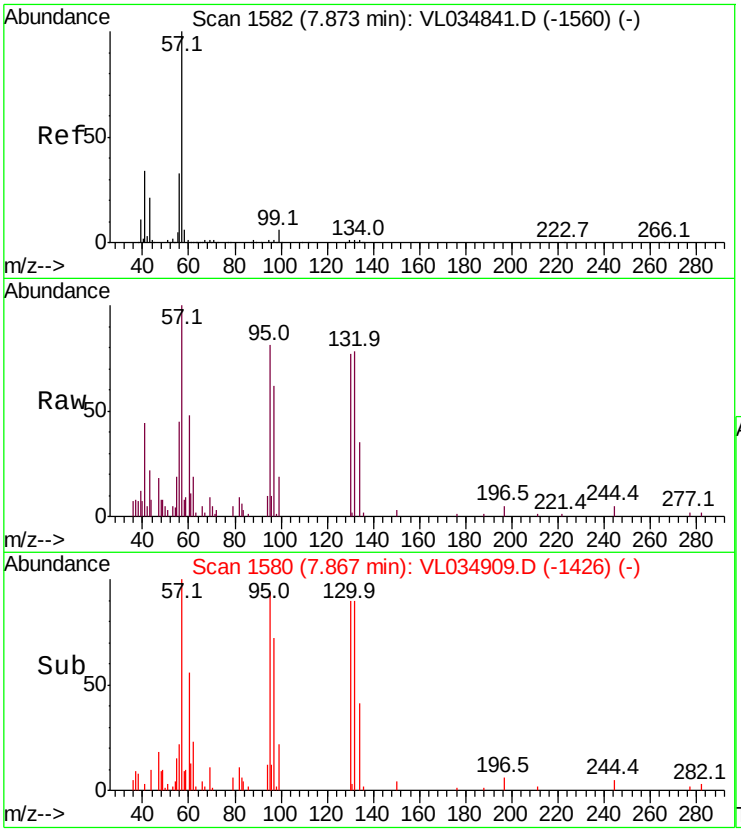


#39
1,2-Dichloropropane
Concen: 7.832 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.45 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion: 63 Resp: 524062

Ion	Ratio	Lower	Upper
63	100		
41	0.5	59.8	89.8#
62	16.6	57.6	86.4#



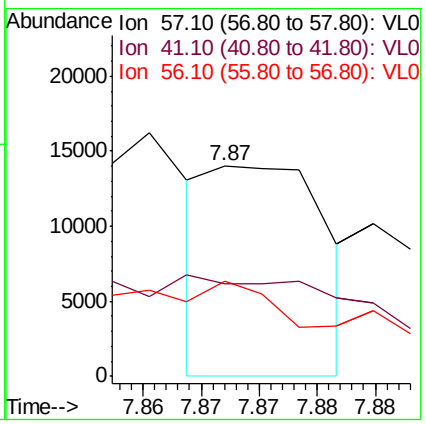


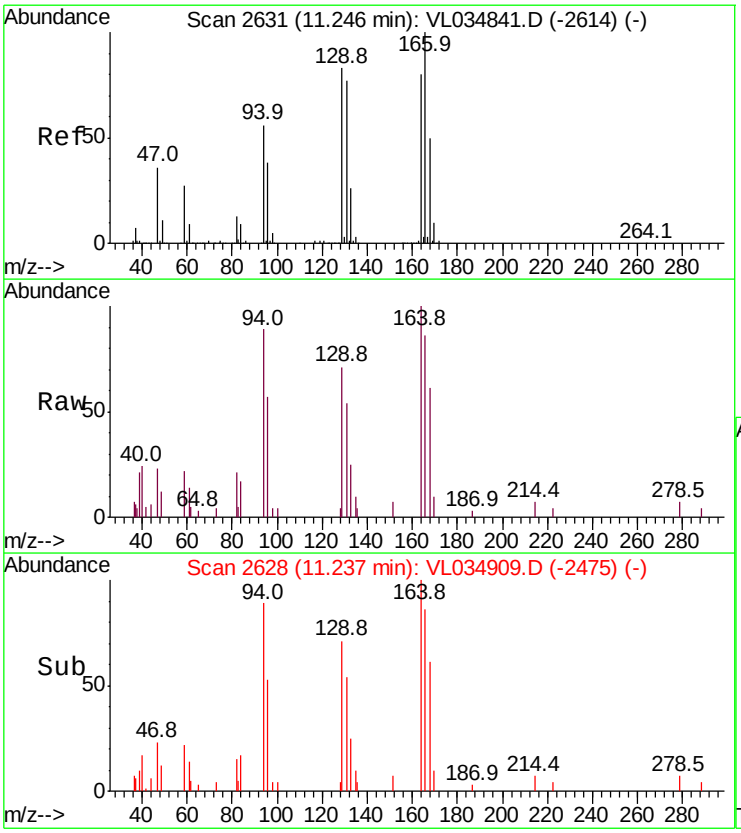
#44
2,2,4-Trimethylpentane
Concen: 0.034 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 9737

Ion	Ratio	Lower	Upper
57	100		
41	166.3	26.2	39.4#
56	114.9	25.0	37.4#

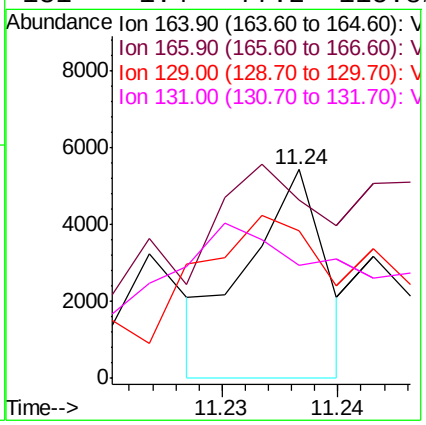


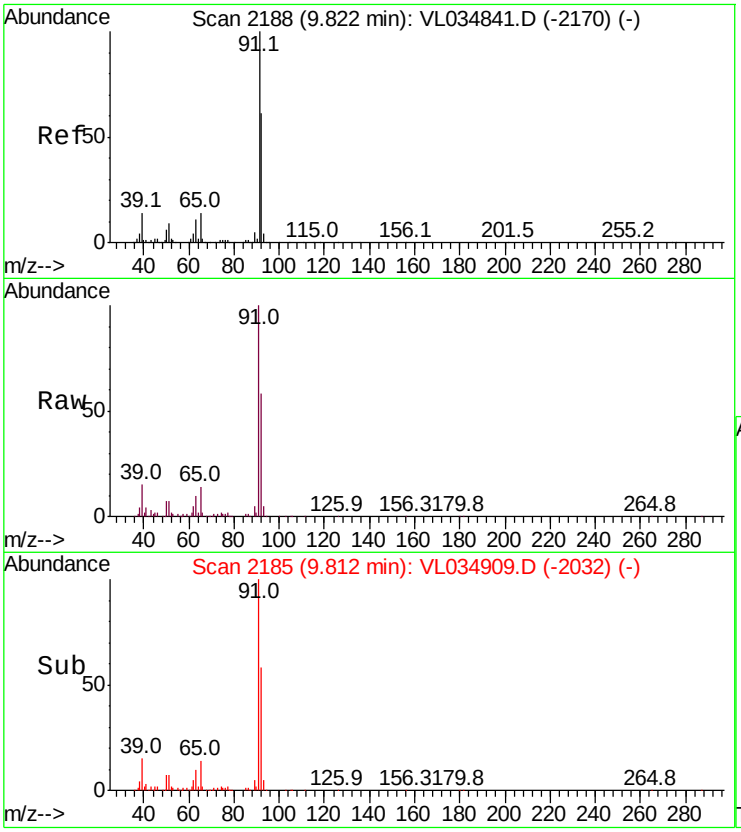


#52
Tetrachloroethene
Concen: 0.038 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion:164 Resp: 2534

Ion	Ratio	Lower	Upper
164	100		
166	66.3	100.0	150.0#
129	43.6	83.1	124.7#
131	1.4	77.2	115.8#



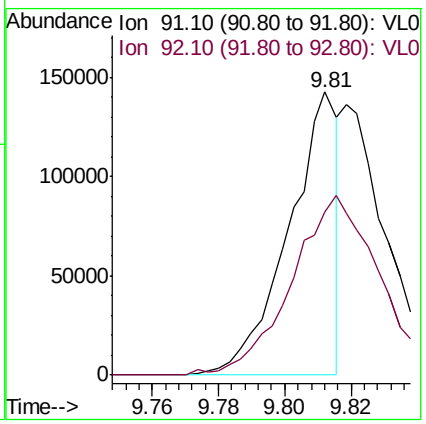


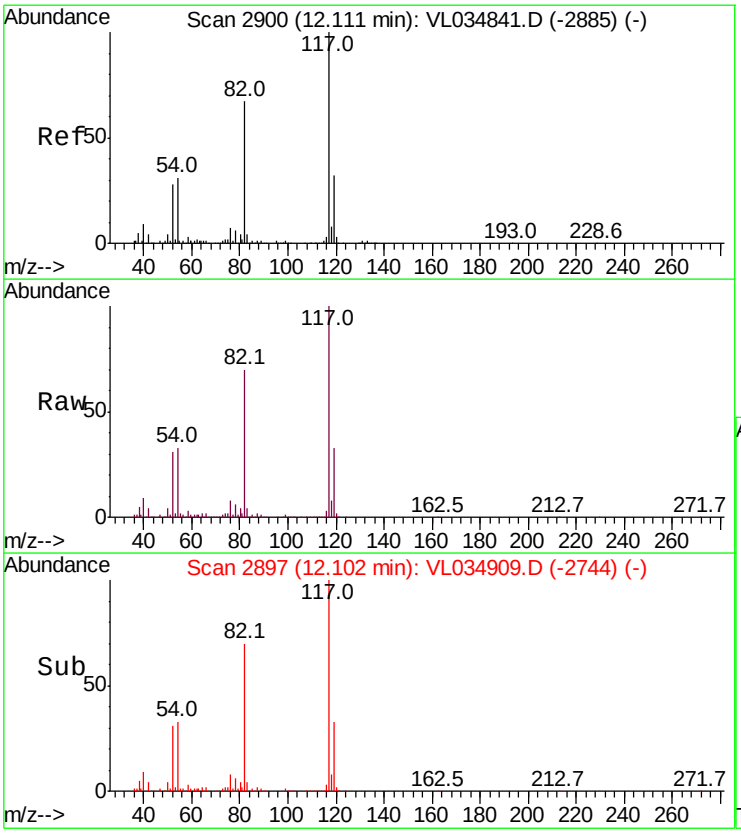
#53
Toluene
Concen: 0.754 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 147142

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.6	72.8#

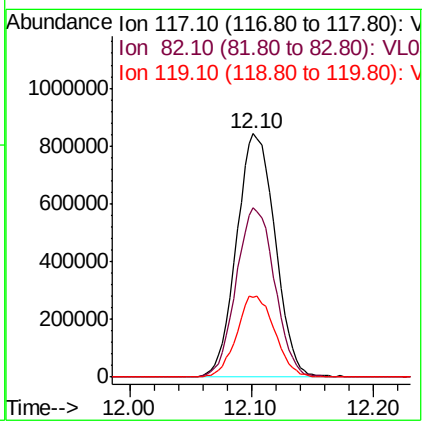


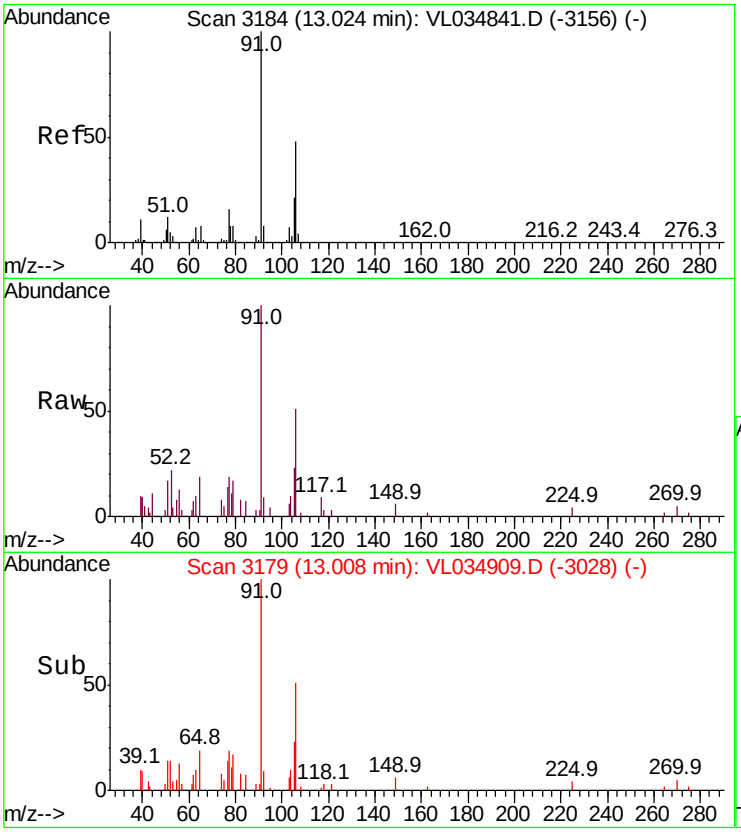


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion:117 Resp: 1838573

Ion	Ratio	Lower	Upper
117	100		
82	69.5	51.1	76.7
119	32.9	27.3	40.9



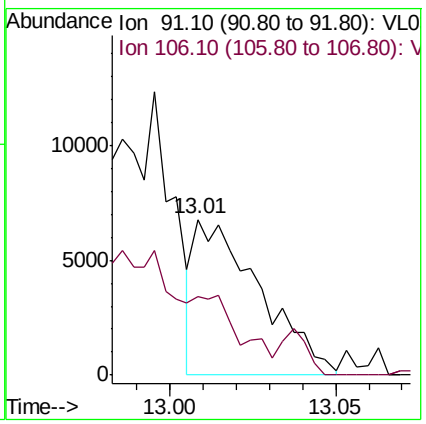


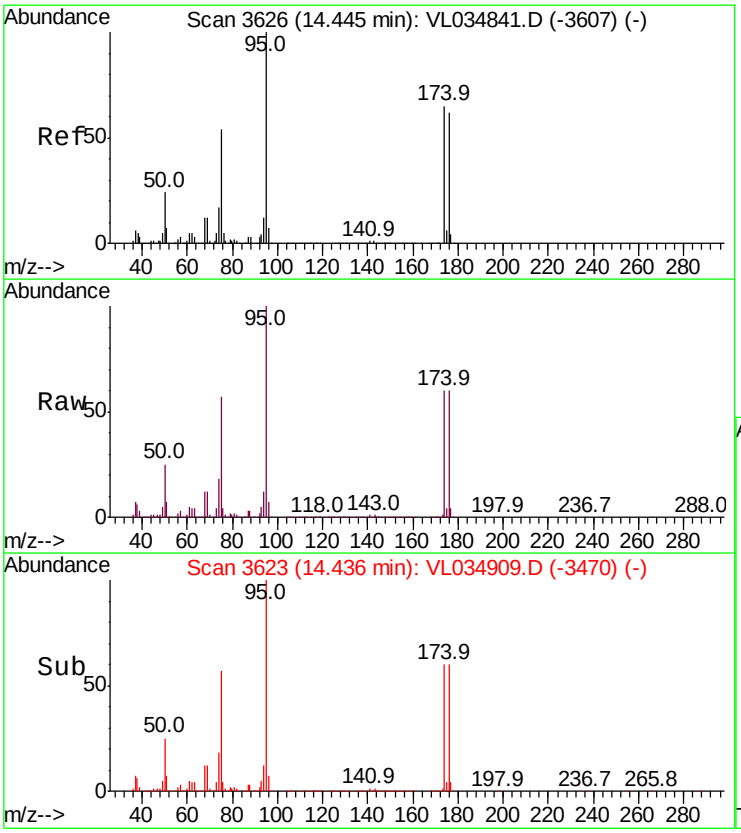
#59
m/p-Xylene
Concen: 0.044 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. -0.02 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 9268

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.1	55.7#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.469 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL034909.D
Acq: 17 Mar 2020 3:16

Tgt Ion: 95 Resp: 1501145

Ion	Ratio	Lower	Upper
95	100		
174	65.0	55.2	82.8
175	4.6	4.3	6.5