Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036184.D
Acq On : 17 Dec 2020 2:27
Operator : SY/AP
Sample : L5041-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 17 03:43:05 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	1362400	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	2606395	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	2321185	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	2113080	11.46	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 114.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	46671	0.294	ppbv		98
3) Chlorodifluoromethane	3.00	51	55080	0.354	ppbv		98
4) Chloromethane	3.15	50	41999	0.550	ppbv		94
7) Chloroethane	3.57	64	1086	0.038	ppbv	#	40
9) Propene	3.02	41	38186	0.490	ppbv		87
11) Trichlorofluoromethane	3.96	101	43516	0.233	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	4.49	101	5880	0.046	ppbv	#	67
13) Ethanol	3.61	45	126933	11.825	ppbv		97
15) Acetone	3.86	43	609203	3.721	ppbv		97
16) 1,3-Butadiene	3.31	39	11457	0.139	ppbv	#	27
19) Isopropyl Alcohol	3.98	45	321449	3.212	ppbv	#	100
20) Methylene Chloride	4.35	84	184238	2.746	ppbv		92
23) Vinyl Acetate	5.08	43	8262	0.038	ppbv	#	75
24) 1,1-Dichloroethane	5.03	63	10528	0.069	ppbv	#	93
25) Ethyl Acetate	5.70	43	136499	0.417	ppbv	#	78
26) Hexane	5.70	57	186673	1.268	ppbv	#	39
34) 2-Butanone	5.26	43	6647	0.038	ppbv	#	1
36) Benzene	6.90	78	11441	0.052	ppbv		98
39) 1,2-Dichloropropane	7.19	63	879721	10.085	ppbv	#	25
44) 2,2,4-Trimethylpentane	7.89	57	40494	0.101	ppbv	#	31
53) Toluene	9.83	91	57383	0.231	ppbv		96
60) o-Xylene	13.71	91	7644	0.030	ppbv	#	33
74) 1,2,4-Trimethylbenzene	16.78	105	18644	0.071	ppbv	#	48

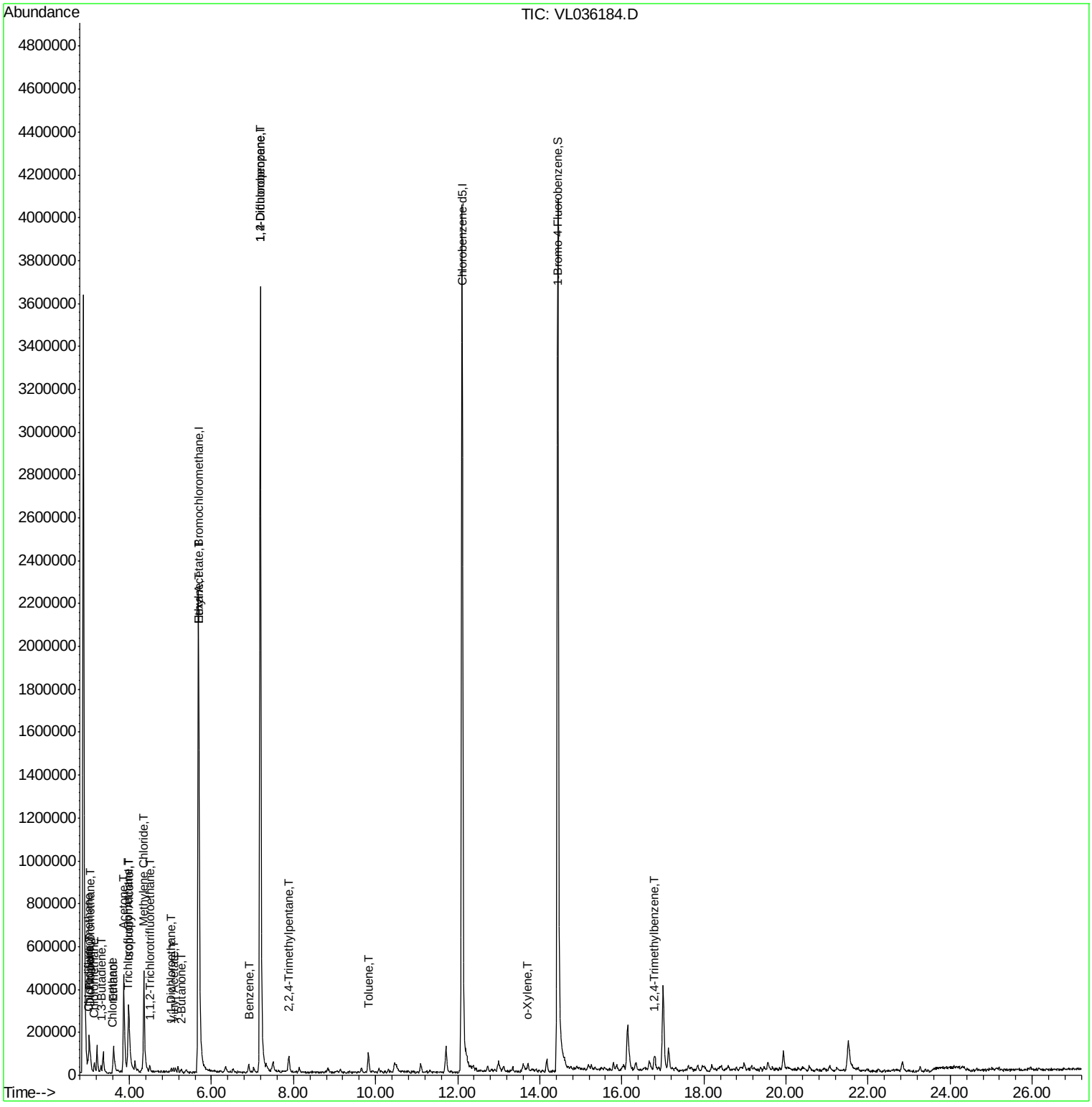
(#) = qualifier out of range (m) = manual integration (+) = signals summed

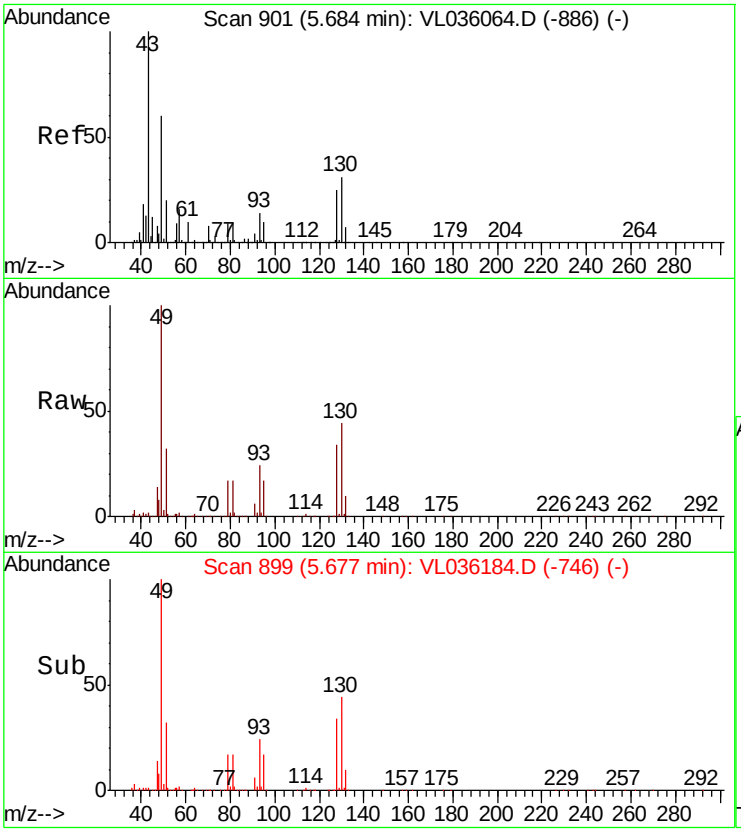
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036184.D
Acq On : 17 Dec 2020 2:27
Operator : SY/AP
Sample : L5041-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 17 03:43:05 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



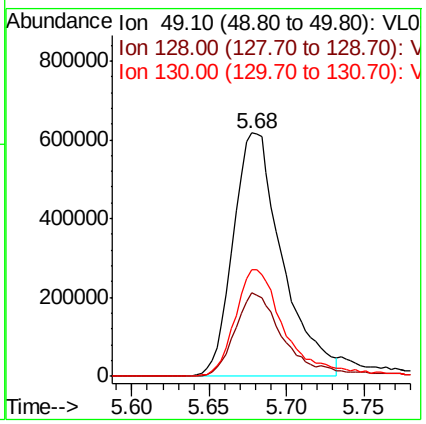


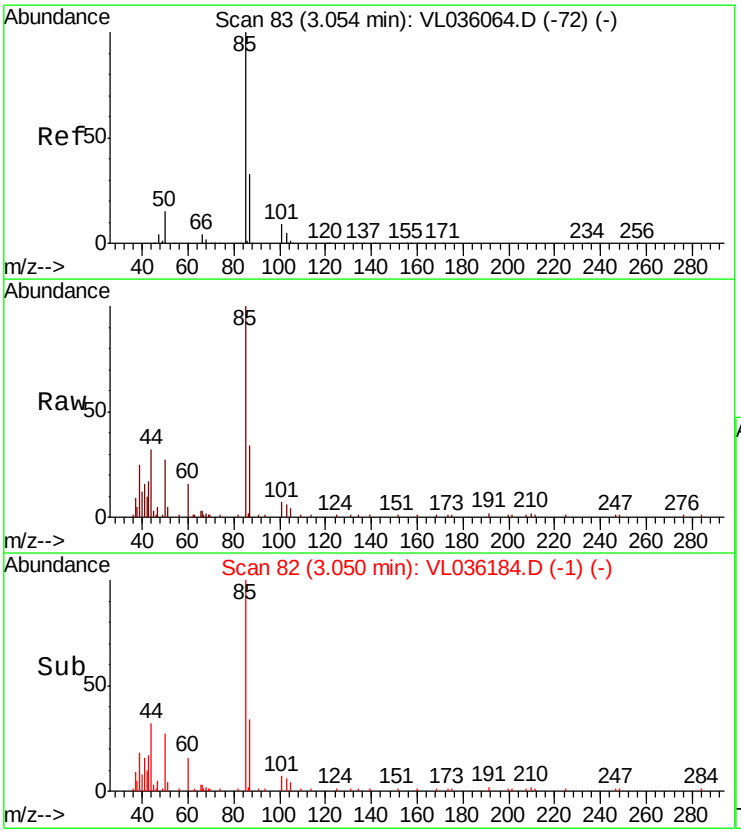
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1362400

Ion	Ratio	Lower	Upper
49	100		
128	35.8	21.1	63.1
130	46.2	27.1	81.3

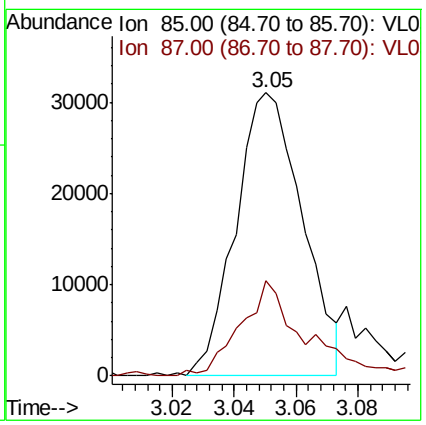


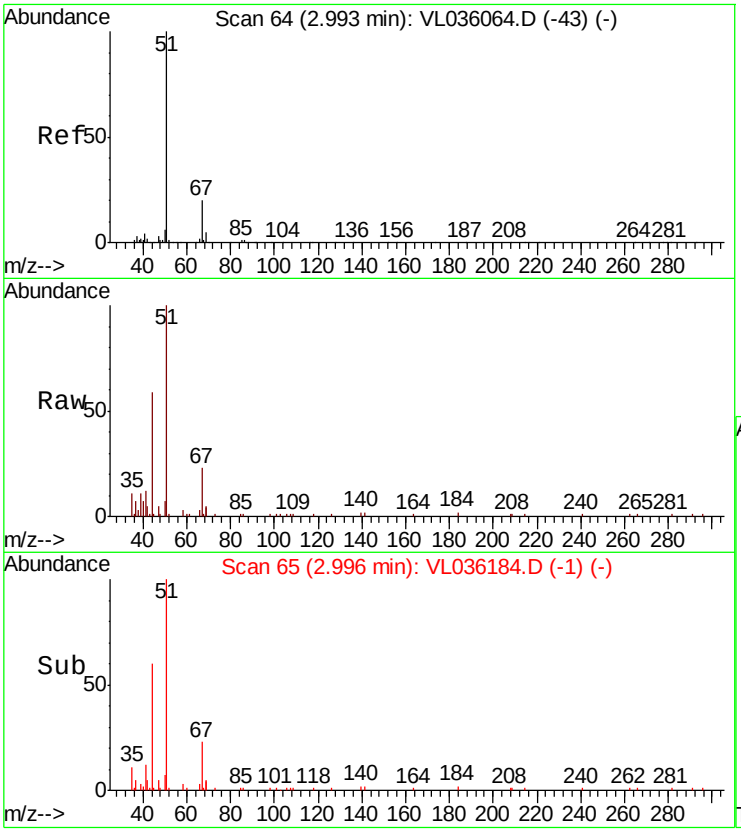


#2
Dichlorodifluoromethane
Concen: 0.294 ppbv
RT: 3.05 min Scan# 82
Delta R.T. -0.00 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 85 Resp: 46671

Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.5	39.7

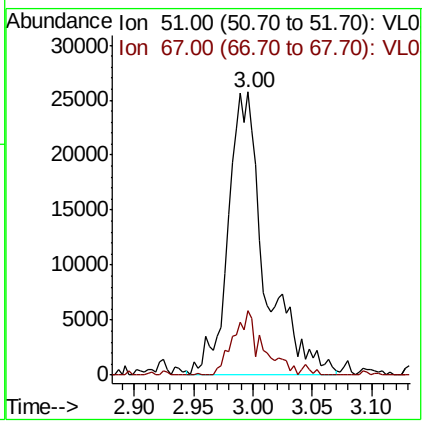




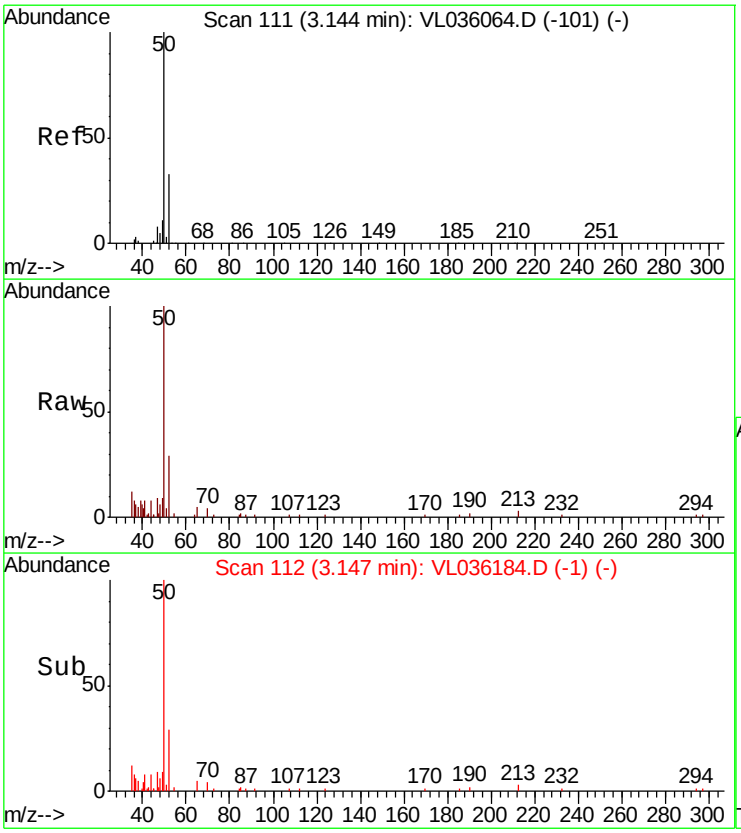
#3
Chlorodifluoromethane
Concen: 0.354 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.00 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 51 Resp: 55080

Ion	Ratio	Lower	Upper
51	100		
67	18.9	14.3	21.5



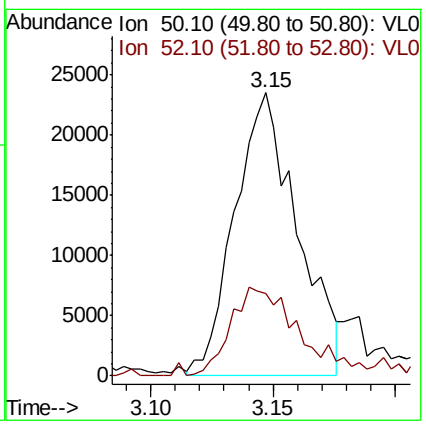
Instrument :
MSVOA_L
ClientSampleId :

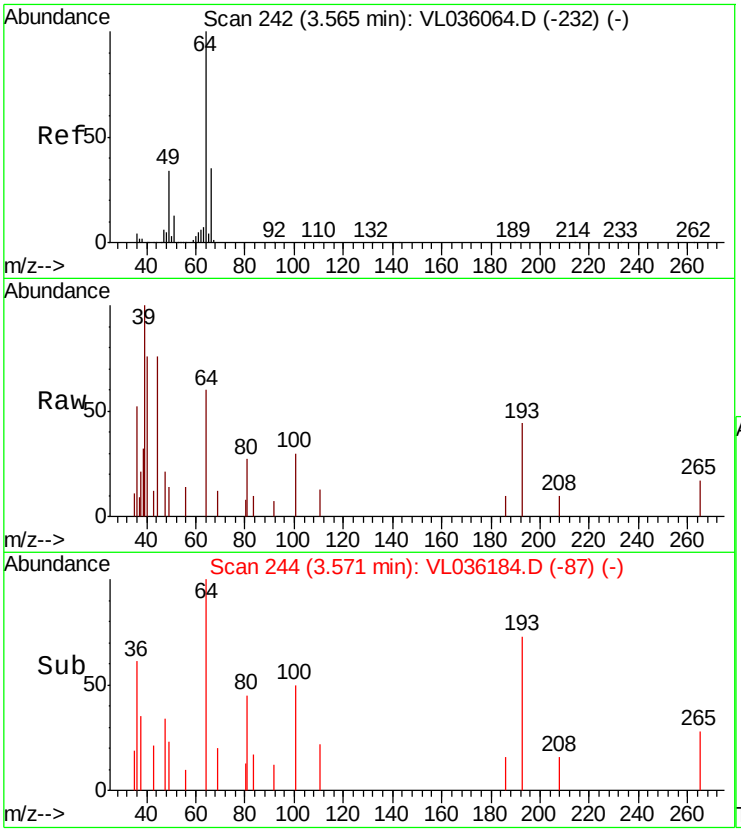


#4
Chloromethane
Concen: 0.550 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 50 Resp: 41999

Ion	Ratio	Lower	Upper
50	100		
52	29.5	26.1	39.1



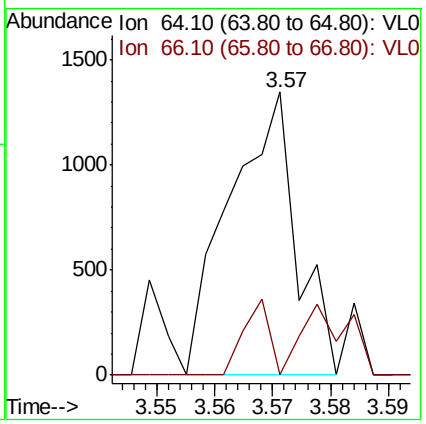


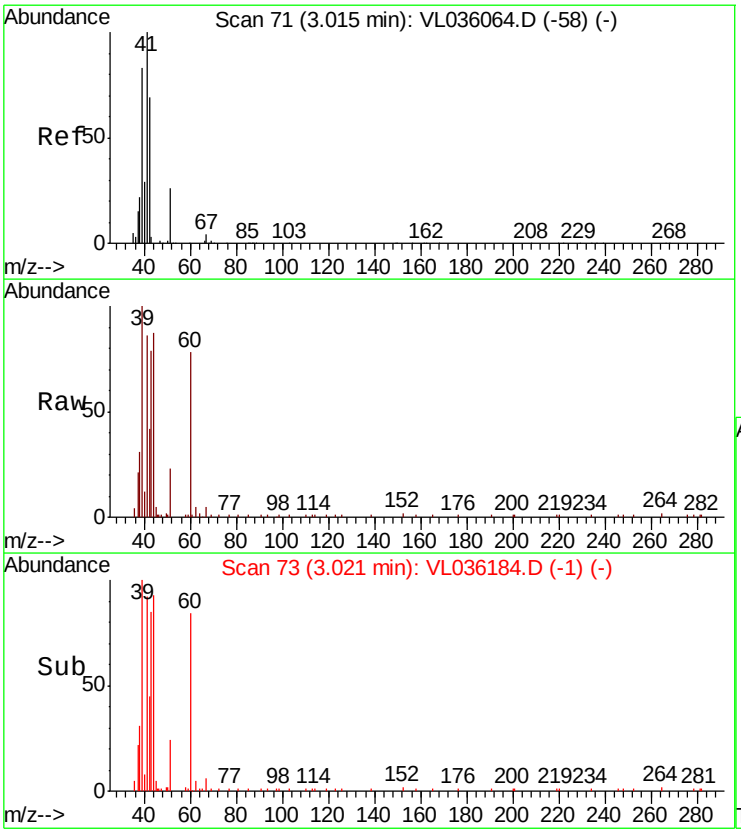
#7
Chloroethane
Concen: 0.038 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 64 Resp: 1086

Ion	Ratio	Lower	Upper
64	100		
66	0.0	27.7	41.5#

Instrument :
MSVOA_L
ClientSampleId :

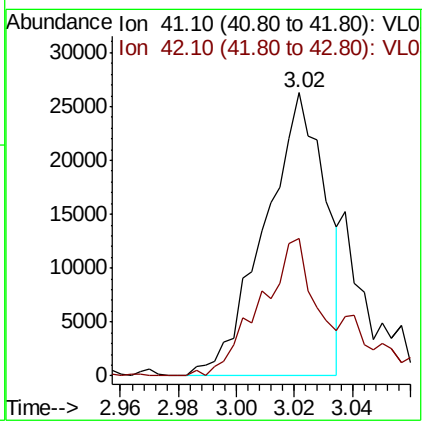


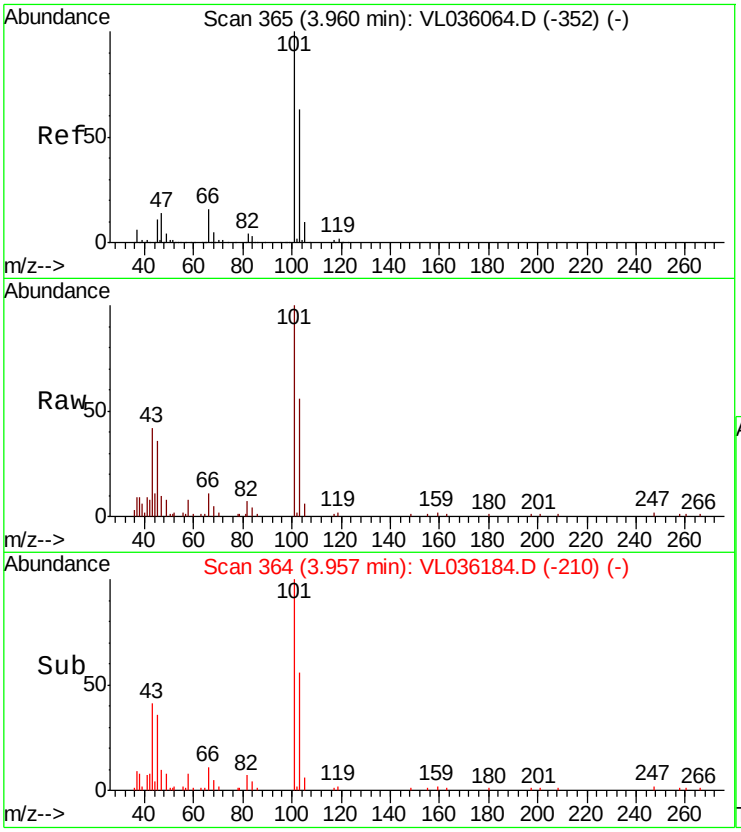


#9
Propene
Concen: 0.490 ppbv
RT: 3.02 min Scan# 73
Delta R.T. 0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 41 Resp: 38186

Ion	Ratio	Lower	Upper
41	100		
42	60.9	57.0	85.6



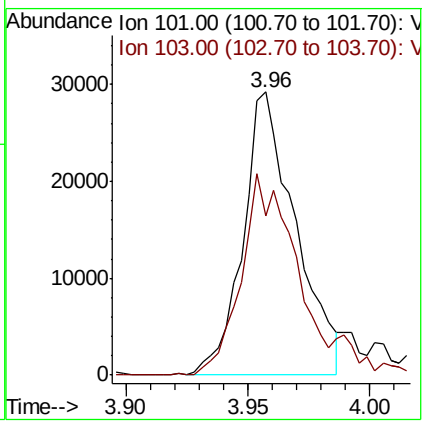


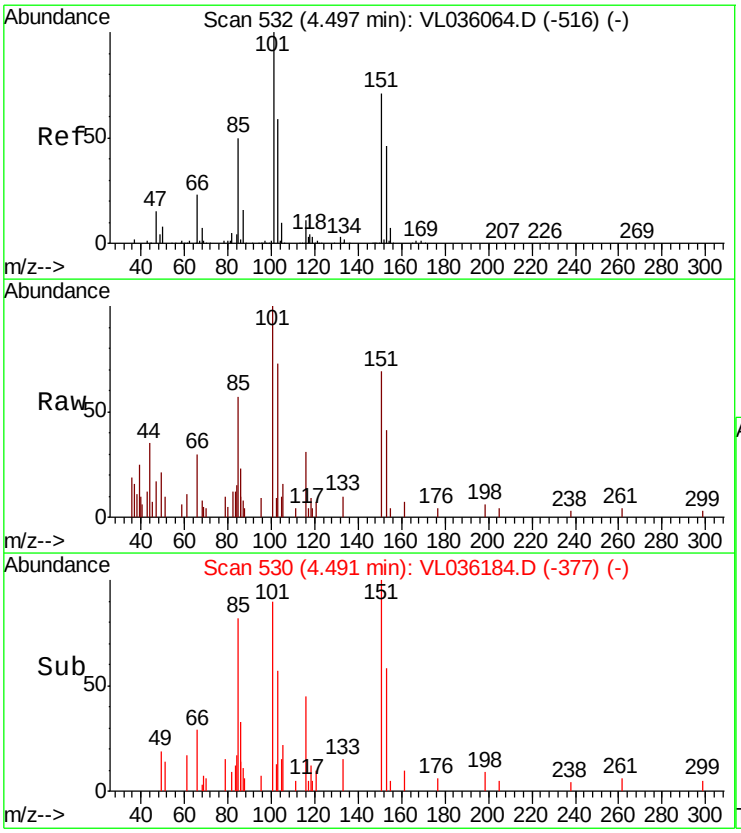
#11
Trichlorofluoromethane
Concen: 0.233 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 43516

Ion	Ratio	Lower	Upper
101	100		
103	56.1	50.3	75.5

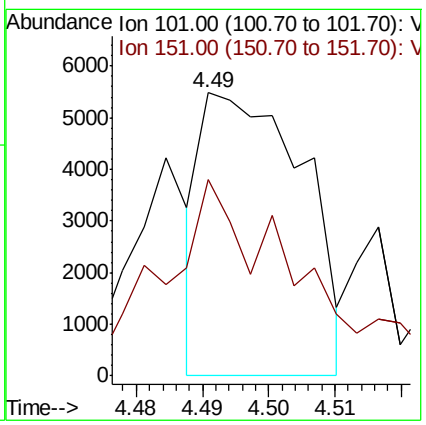


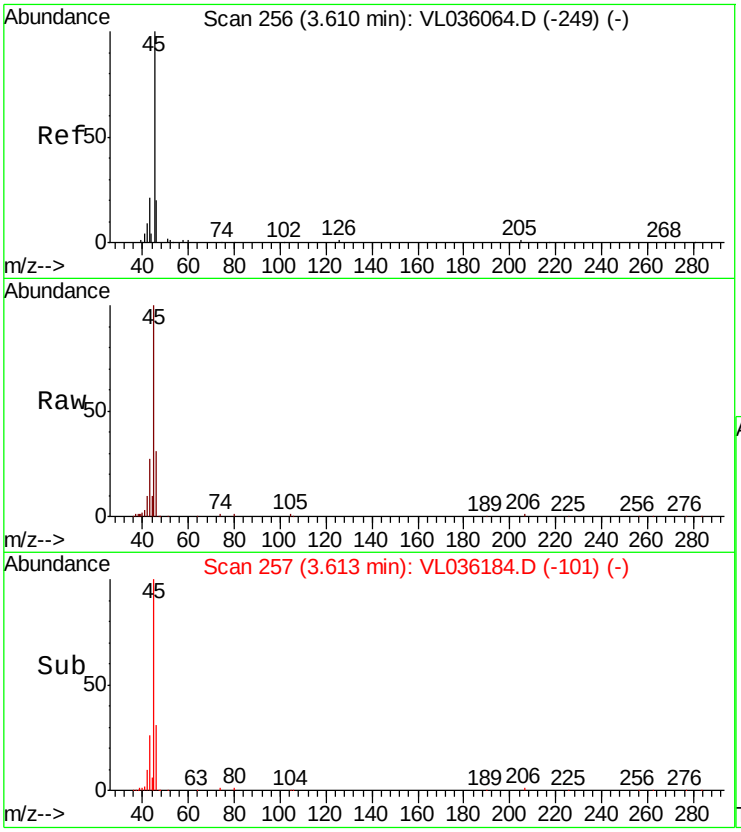


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.046 ppbv
RT: 4.49 min Scan# 530
Delta R.T. -0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion:101 Resp: 5880

Ion	Ratio	Lower	Upper
101	100		
151	102.3	59.3	88.9#

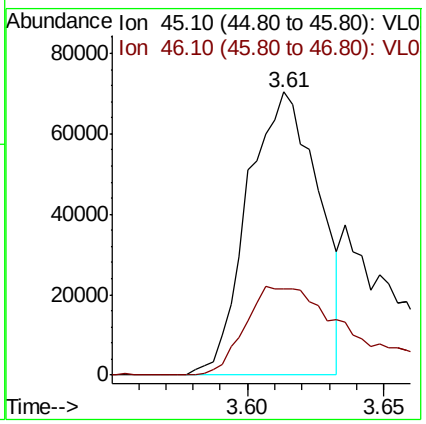




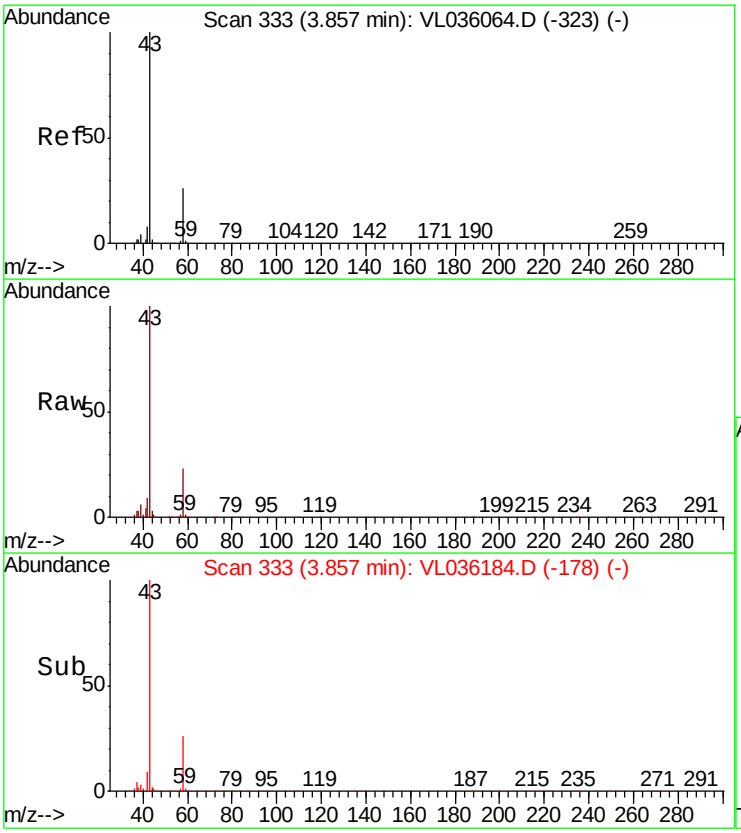
#13
Ethanol
Concen: 11.825 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.00 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 45 Resp: 126933

Ion	Ratio	Lower	Upper
45	100		
46	49.6	19.0	75.8



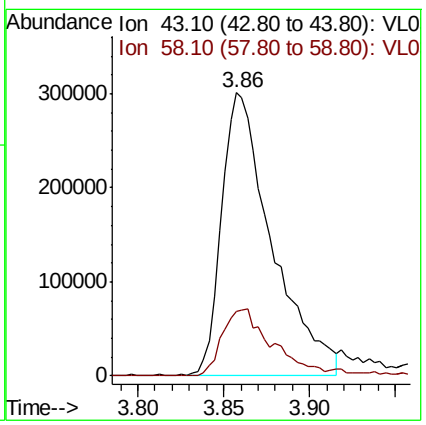
Instrument :
MSVOA_L
ClientSampleId :

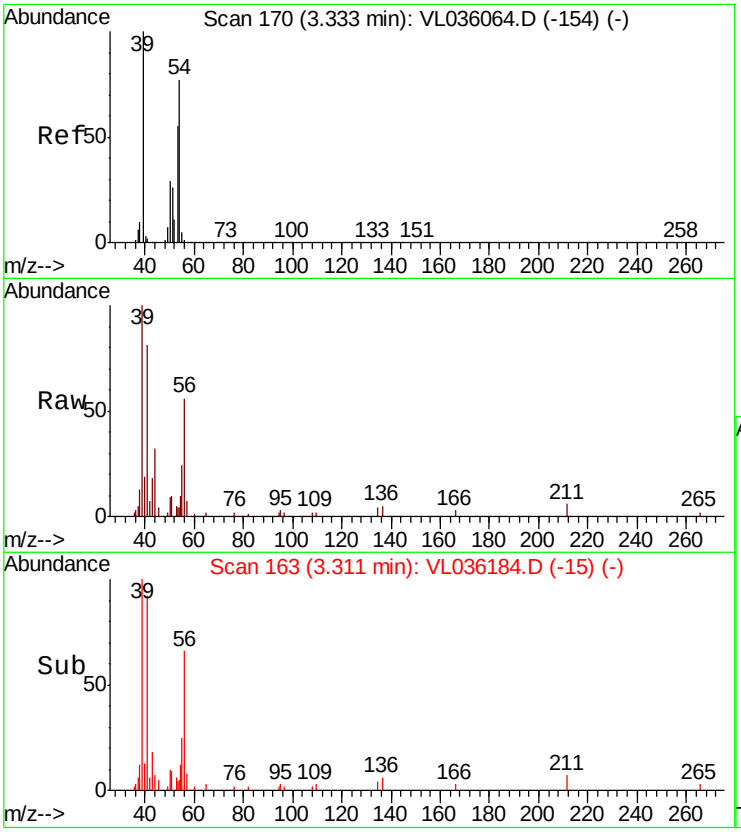


#15
Acetone
Concen: 3.721 ppbv
RT: 3.86 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 43 Resp: 609203

Ion	Ratio	Lower	Upper
43	100		
58	24.7	20.9	31.3



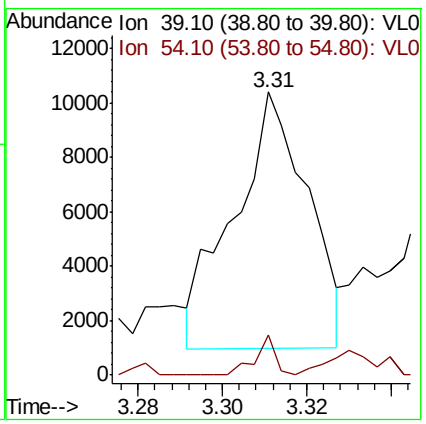


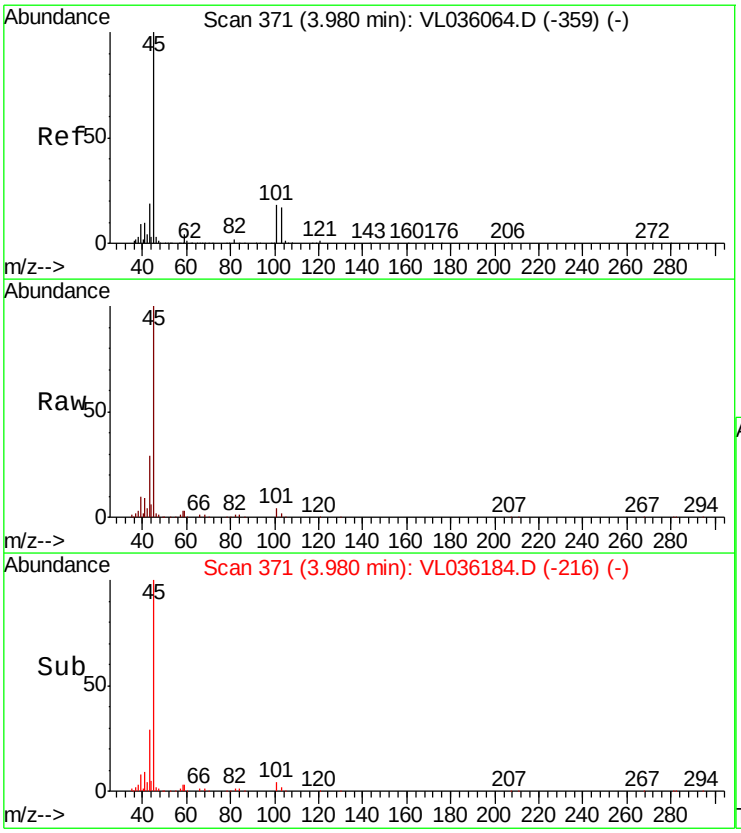
#16
1,3-Butadiene
Concen: 0.139 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.02 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 11457

Ion	Ratio	Lower	Upper
39	100		
54	14.1	62.1	93.1#

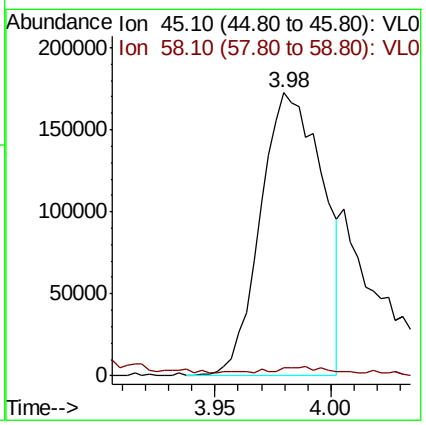


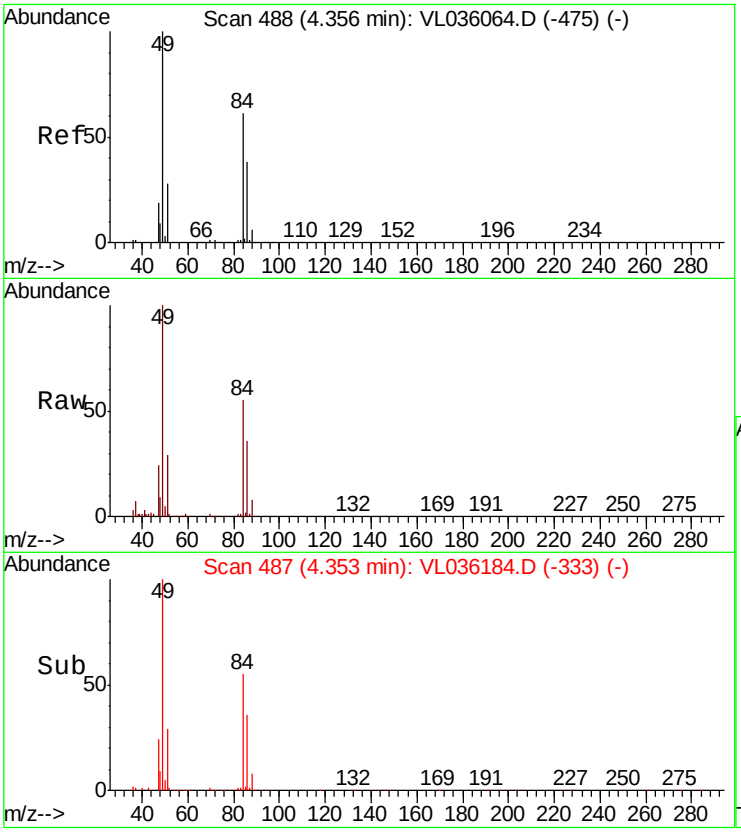


#19
Isopropyl Alcohol
Concen: 3.212 ppbv
RT: 3.98 min Scan# 371
Delta R.T. -0.00 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 45 Resp: 321449

Ion	Ratio	Lower	Upper
45	100		
58	3.3	0.0	0.0#



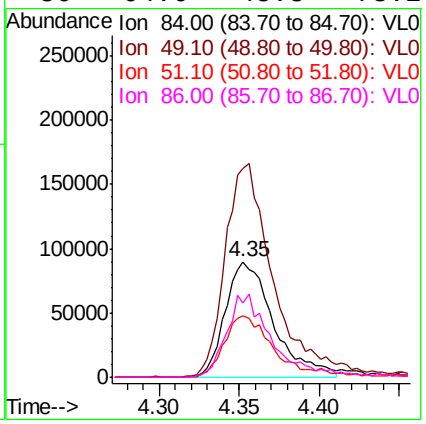


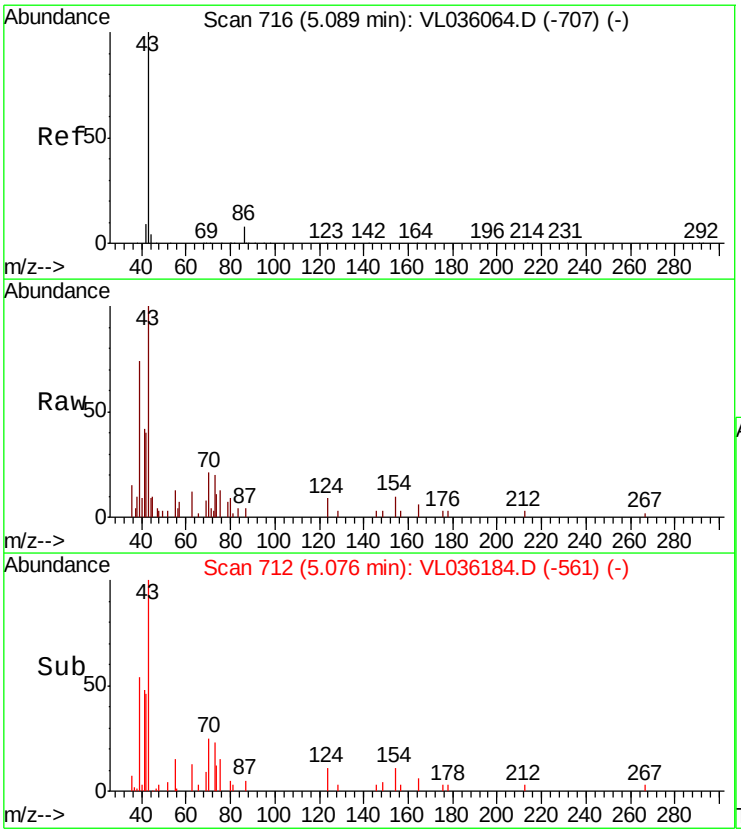
#20
Methylene Chloride
Concen: 2.746 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 184238

Ion	Ratio	Lower	Upper
84	100		
49	179.7	133.0	199.4
51	52.3	38.9	58.3
86	64.6	48.8	73.2

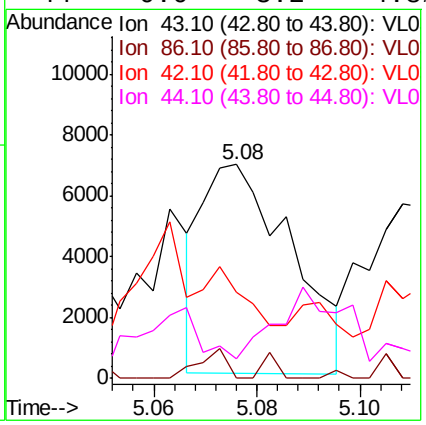


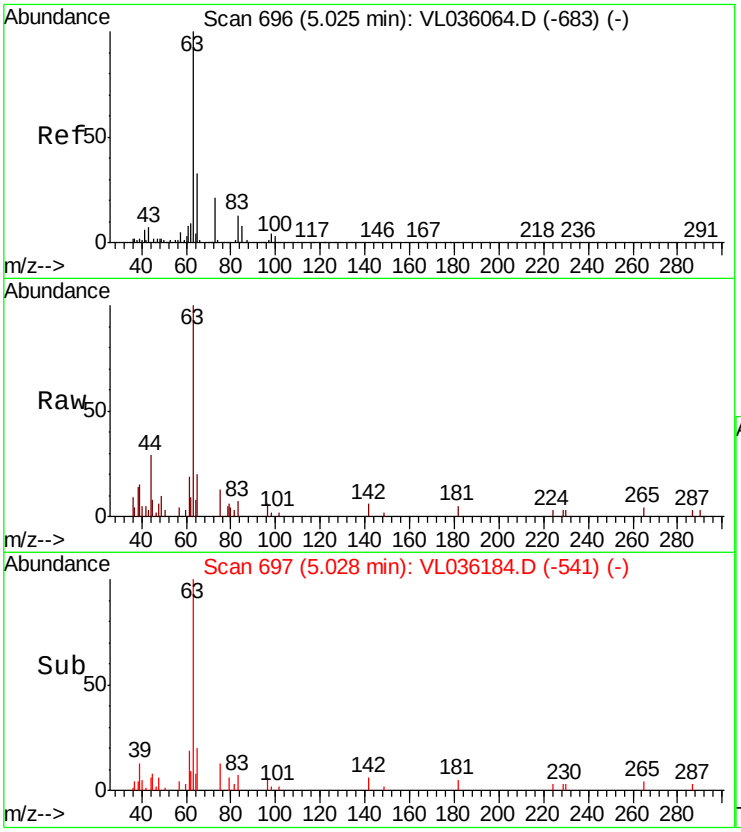


#23
Vinyl Acetate
Concen: 0.038 ppbv
RT: 5.08 min Scan# 712
Delta R.T. -0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 43 Resp: 8262

Ion	Ratio	Lower	Upper
43	100		
86	0.9	5.0	7.4#
42	22.8	7.8	11.6#
44	0.0	3.2	4.8#



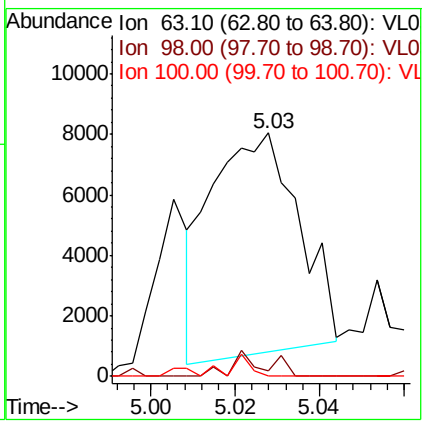


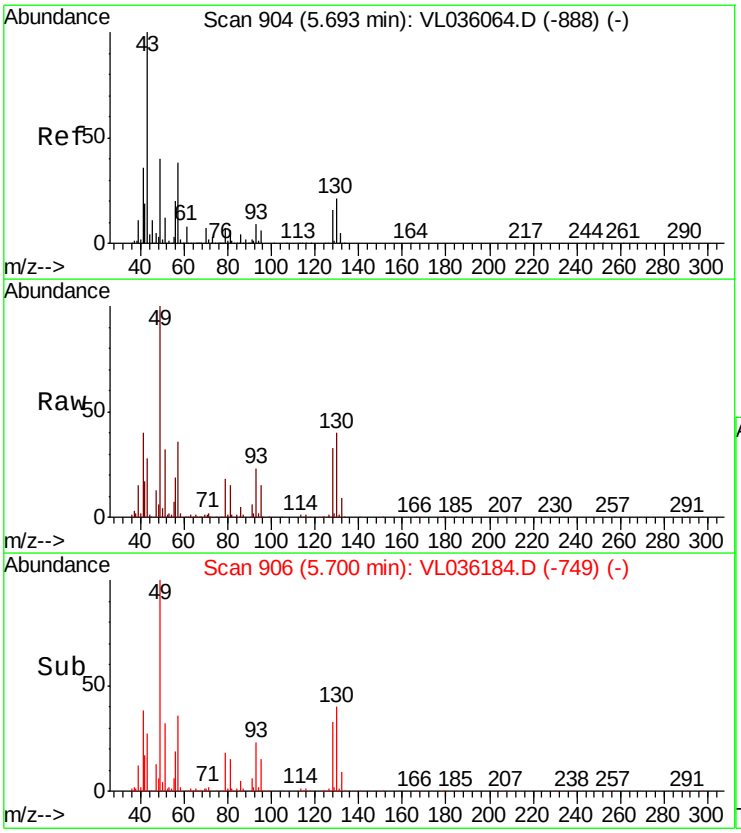
#24
1,1-Dichloroethane
Concen: 0.069 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.00 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 10528

Ion	Ratio	Lower	Upper
63	100		
98	2.6	2.2	6.6
100	0.0	1.5	4.4#

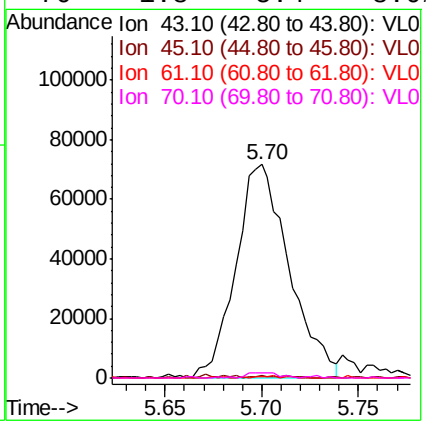


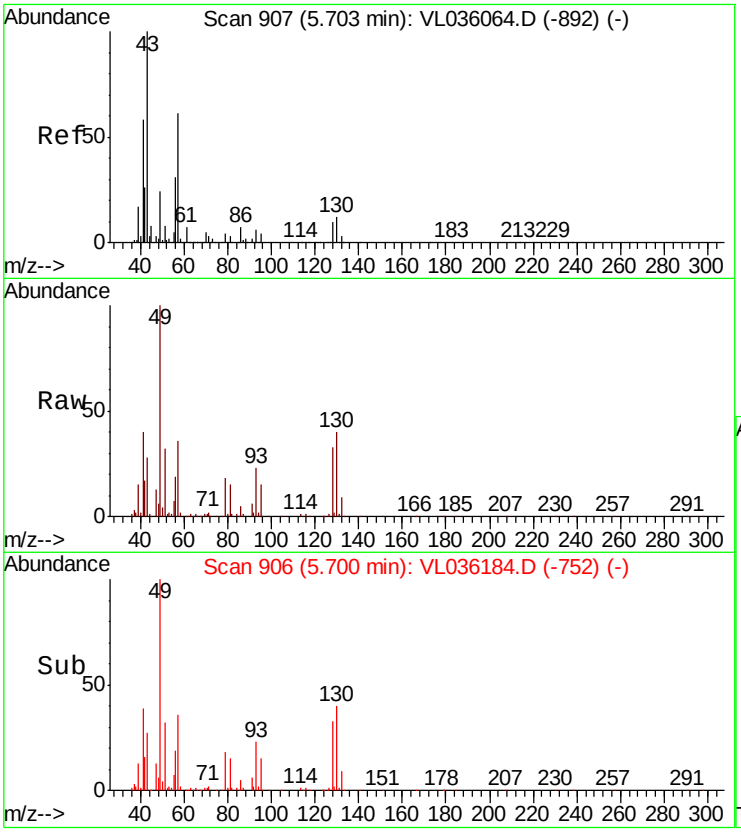


#25
Ethyl Acetate
Concen: 0.417 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 43 Resp: 136499

Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.2	12.4#
61	0.7	7.4	11.2#
70	1.8	5.4	8.0#



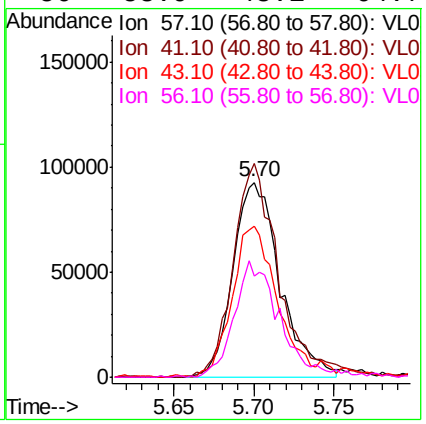


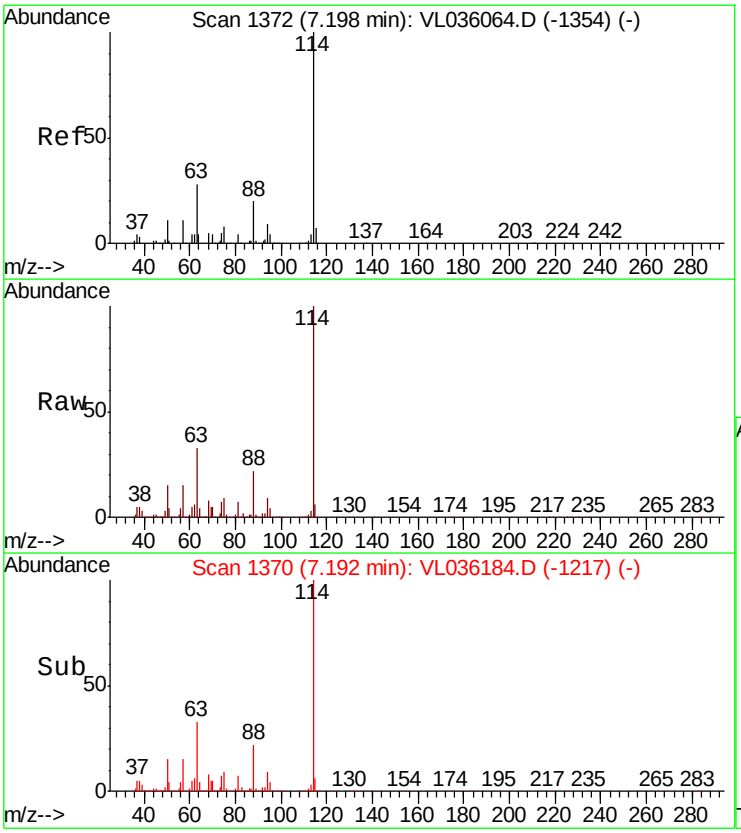
#26
Hexane
Concen: 1.268 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 186673

Ion	Ratio	Lower	Upper
57	100		
41	107.6	82.9	124.3
43	80.6	199.9	299.9#
56	58.9	43.1	64.7

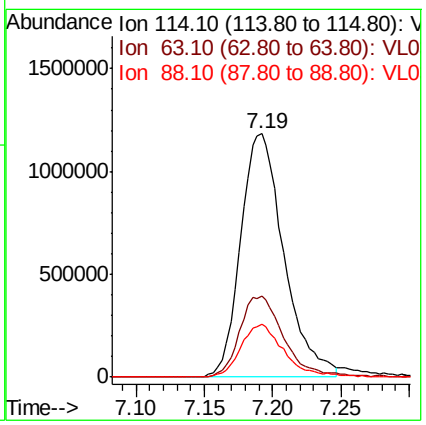


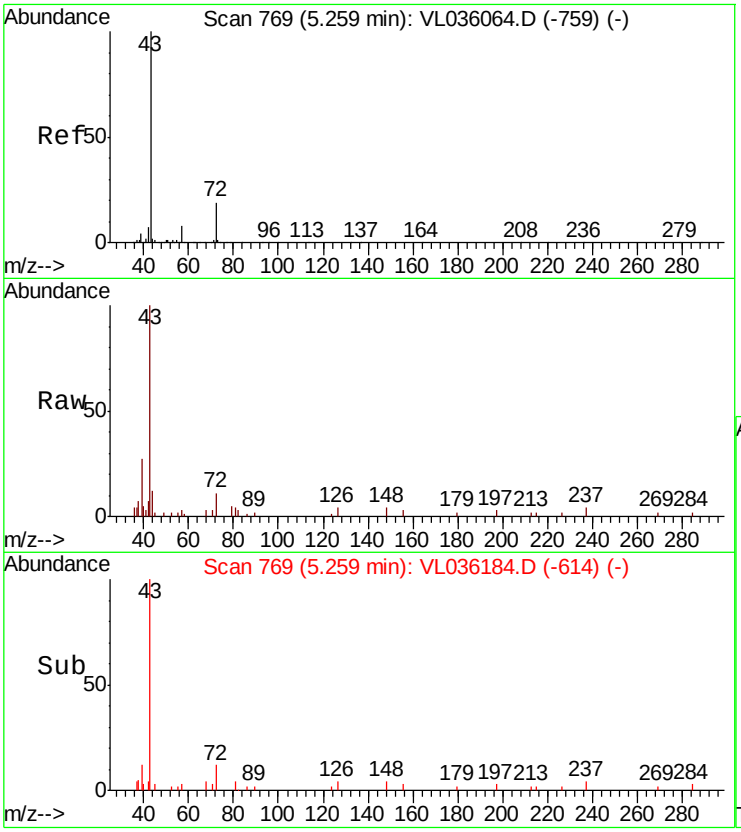


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion:114 Resp: 2606395

Ion	Ratio	Lower	Upper
114	100		
63	34.5	23.6	35.4
88	21.9	15.8	23.6



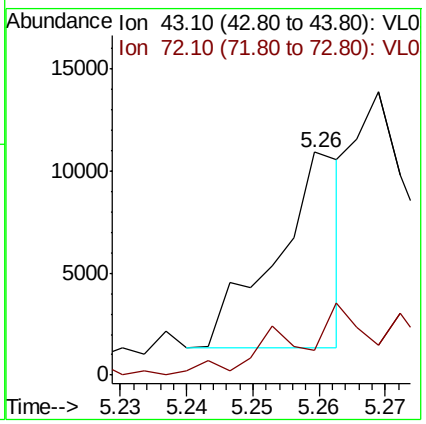


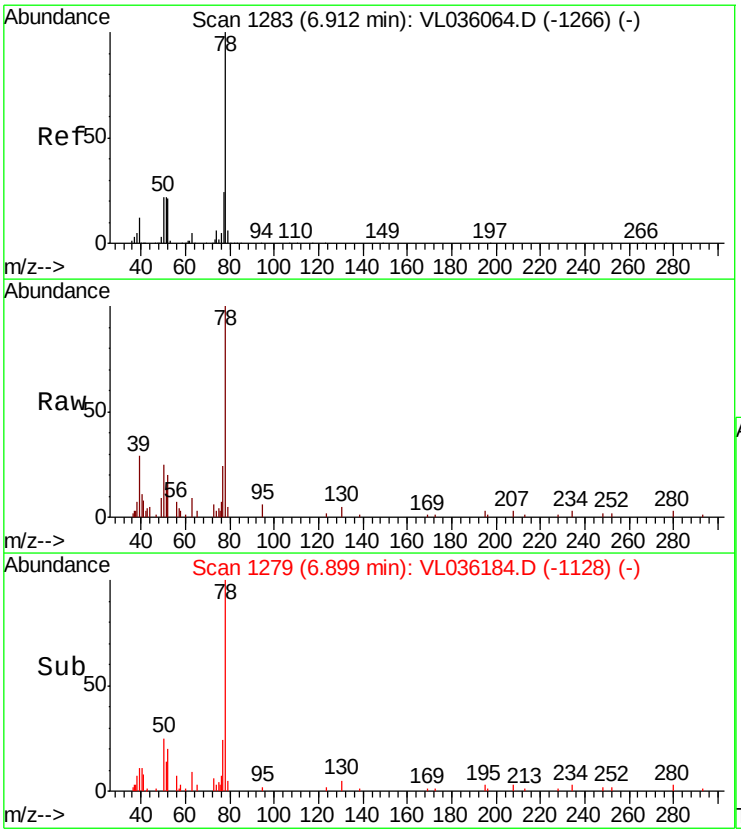
#34
2-Butanone
Concen: 0.038 ppbv
RT: 5.26 min Scan# 769
Delta R.T. -0.00 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 6647

Ion	Ratio	Lower	Upper
43	100		
72	86.1	16.5	24.7#

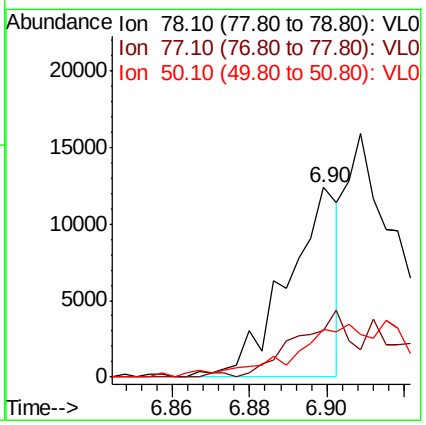


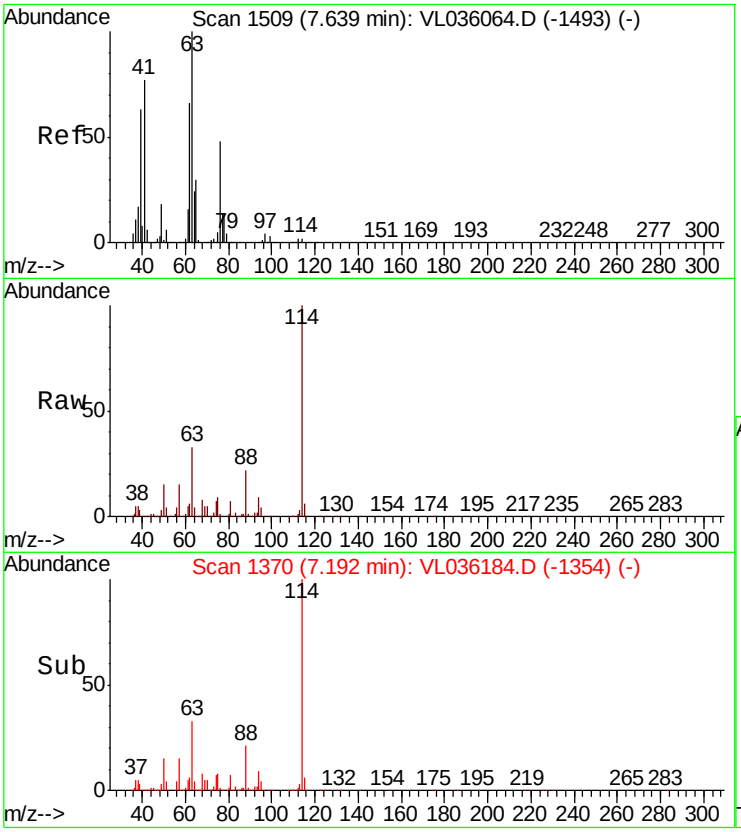


#36
Benzene
Concen: 0.052 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 78 Resp: 11441

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.2
50	21.7	17.8	26.8



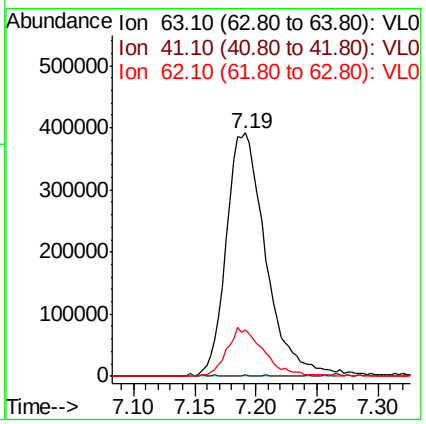


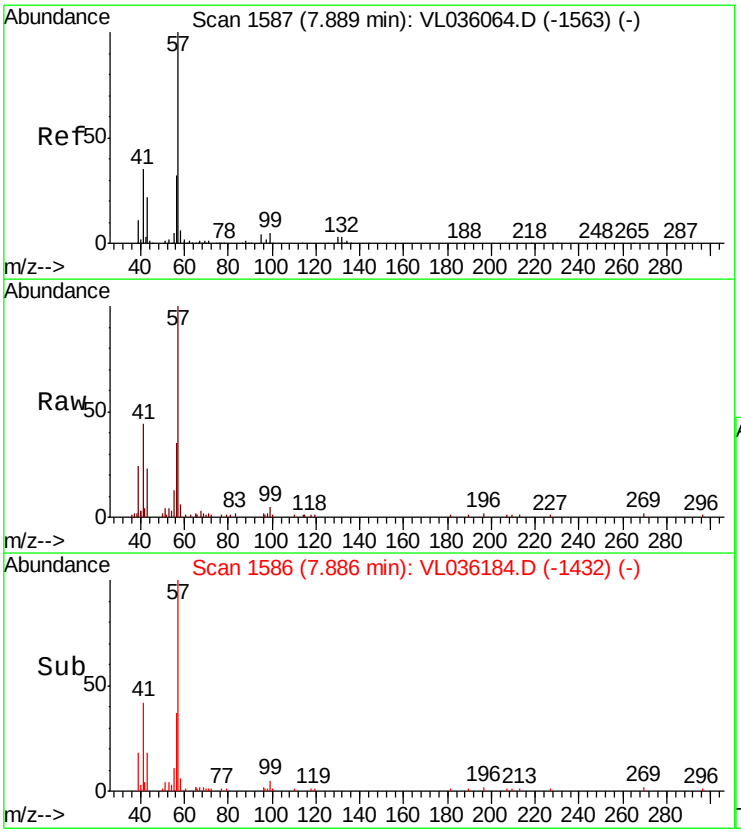
#39
1,2-Dichloropropane
Concen: 10.085 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. -0.45 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 879721

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.9	92.9#
62	19.0	52.5	78.7#

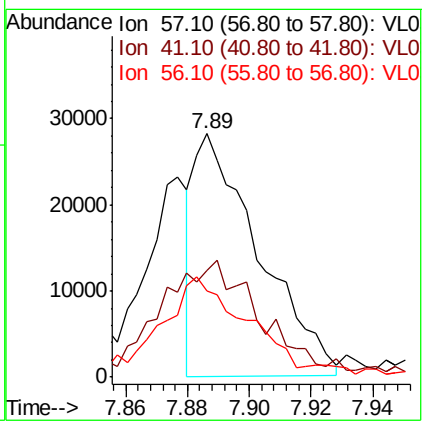


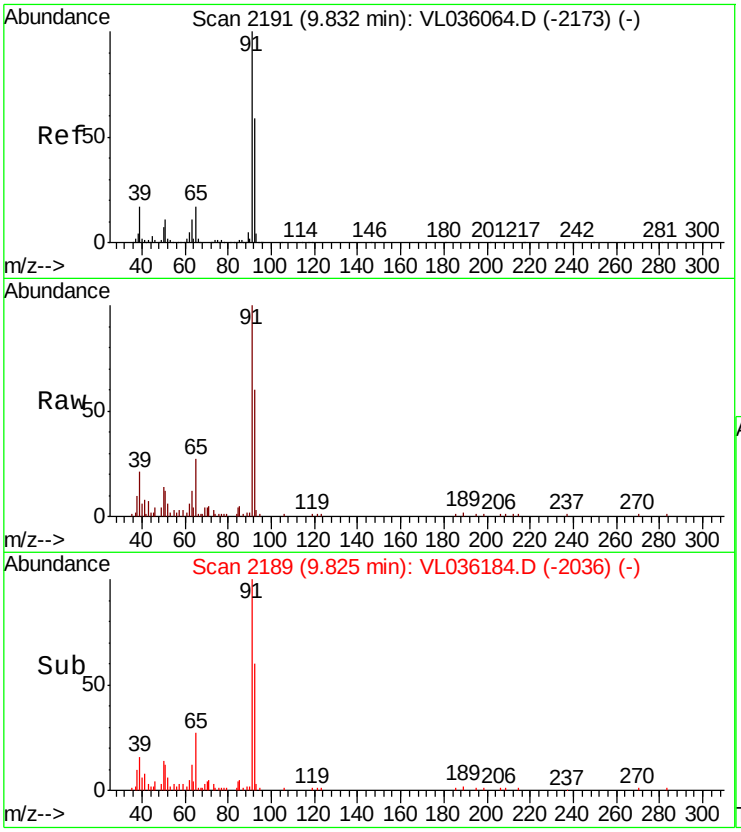


#44
2,2,4-Trimethylpentane
Concen: 0.101 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 57 Resp: 40494

Ion	Ratio	Lower	Upper
57	100		
41	83.9	28.9	43.3#
56	62.0	25.3	37.9#



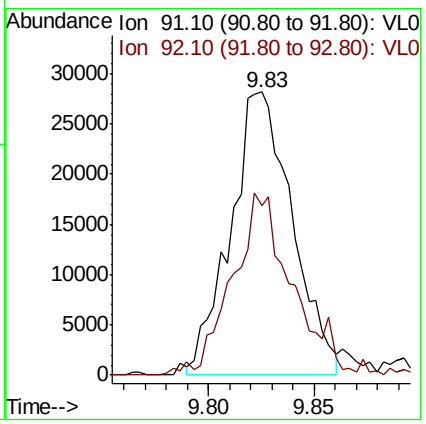


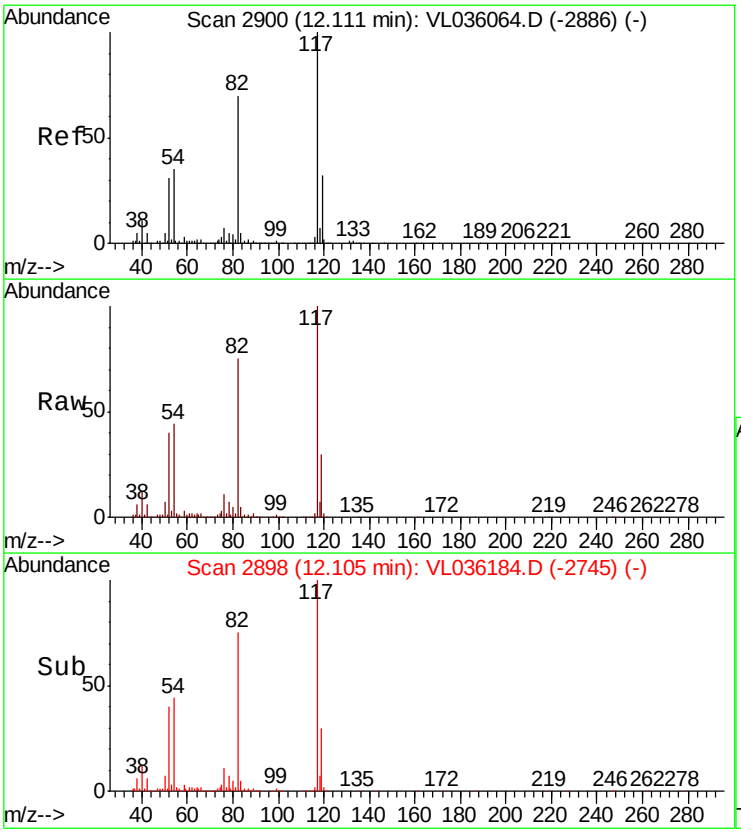
#53
Toluene
Concen: 0.231 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. -0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 57383

Ion	Ratio	Lower	Upper
91	100		
92	63.4	48.2	72.2

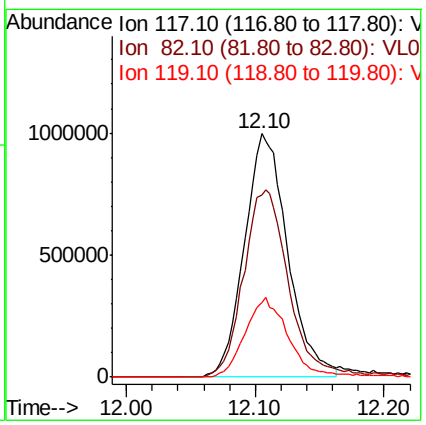


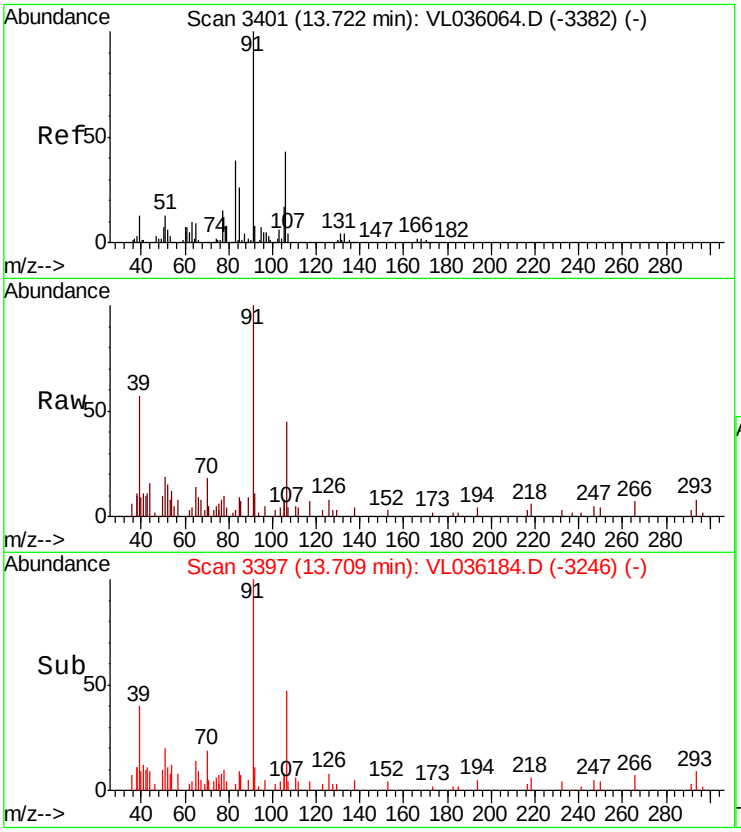


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion:117 Resp: 2321185

Ion	Ratio	Lower	Upper
117	100		
82	82.1	0.0	0.0#
119	33.4	0.0	0.0#



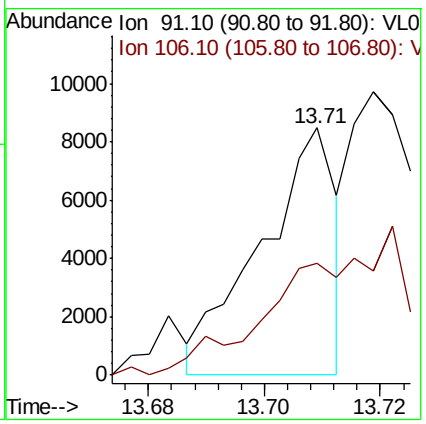


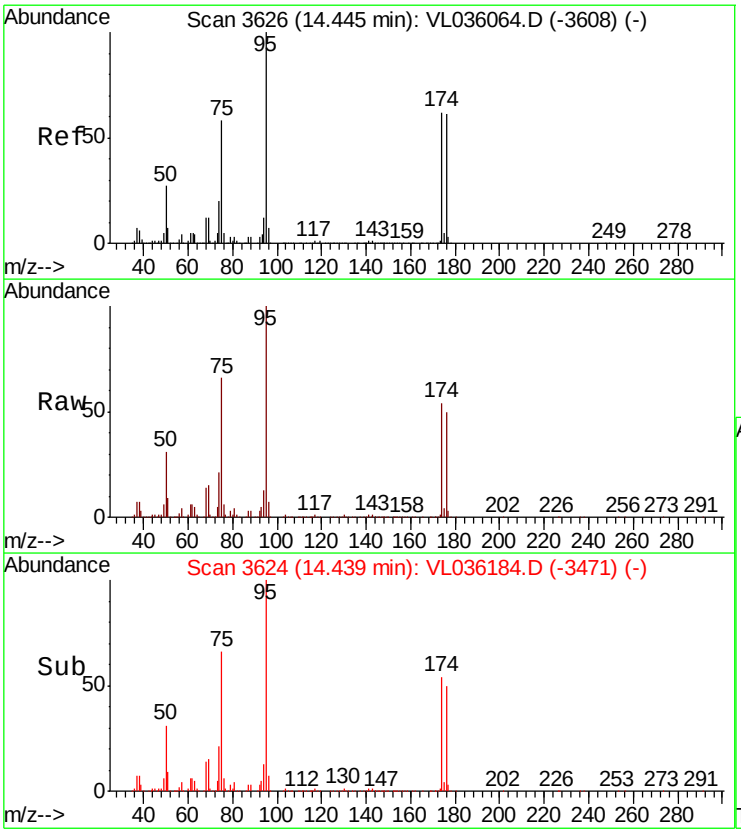
#60
o-Xylene
Concen: 0.030 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 7644

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.6	64.6#

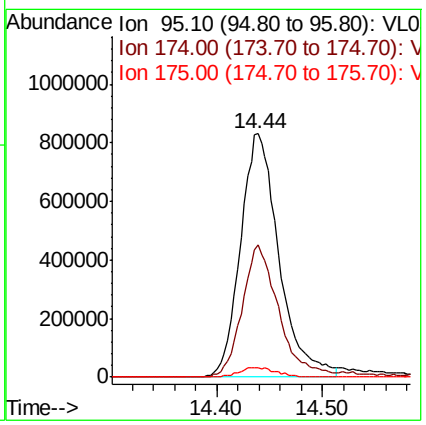


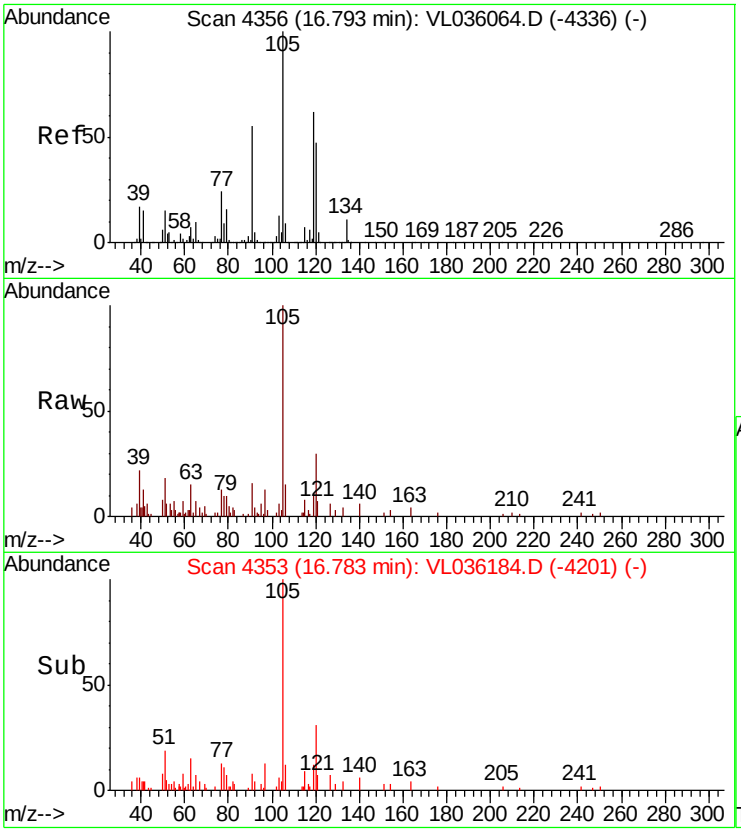


#68
1-Bromo-4-Fluorobenzene
Concen: 11.465 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Tgt Ion: 95 Resp: 2113080

Ion	Ratio	Lower	Upper
95	100		
174	54.6	50.7	76.1
175	3.8	4.0	6.0#





#74
1,2,4-Trimethylbenzene
Concen: 0.071 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. -0.01 min
Lab File: VL036184.D
Acq: 17 Dec 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 18644

Ion	Ratio	Lower	Upper
105	100		
120	18.0	37.4	56.0#
91	6.5	45.6	68.4#
77	10.2	19.4	29.2#