Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031720\
Data File : VL034919.D
Acq On : 17 Mar 2020 17:24
Operator : SY/AP
Sample : L1952-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1

Quant Time: Mar 18 06:59:33 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	923915	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2006794	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	1926509	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1673383	11.14	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 111.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	79544	0.629	ppbv		95
3) Chlorodifluoromethane	2.94	51	63869	0.619	ppbv	#	83
4) Chloromethane	3.10	50	31758	0.544	ppbv		96
9) Propene	3.17	41	56837	1.153	ppbv		87
10) Heptane	8.13	43	14014	0.116	ppbv		91
11) Trichlorofluoromethane	3.92	101	32237	0.239	ppbv		86
12) 1,1,2-Trichlorotrifluoroet	4.46	101	3748	0.040	ppbv	#	29
13) Ethanol	3.57	45	464738	31.022	ppbv		92
15) Acetone	3.82	43	1788117	14.932	ppbv		99
16) 1,3-Butadiene	3.27	39	2355	0.043	ppbv	#	9
19) Isopropyl Alcohol	3.95	45	113461	1.500	ppbv	#	1
20) Methylene Chloride	4.32	84	136818	3.614	ppbv		97
23) Vinyl Acetate	5.05	43	48609	0.275	ppbv	#	64
25) Ethyl Acetate	5.67	43	204783	0.960	ppbv	#	84
26) Hexane	5.67	57	252982	2.754	ppbv	#	43
29) Chloroform	5.74	83	6141	0.044	ppbv	#	59
30) Cyclohexane	7.12	84	3093	0.040	ppbv	#	1
34) 2-Butanone	5.23	43	625827	4.693	ppbv		99
35) Carbon Tetrachloride	7.02	117	4333	0.035	ppbv	#	78
36) Benzene	6.89	78	53997	0.302	ppbv		94
39) 1,2-Dichloropropane	7.18	63	563607	7.953	ppbv	#	22
41) Tetrahydrofuran	6.04	42	275146	3.813	ppbv		98
53) Toluene	9.82	91	624889	3.025	ppbv		100
58) Ethyl Benzene	12.73	91	12756	0.049	ppbv		92
59) m/p-Xylene	13.02	91	14235	0.065	ppbv	#	30
60) o-Xylene	13.72	91	15853	0.074	ppbv		68
74) 1,2,4-Trimethylbenzene	16.79	105	27865	0.115	ppbv	#	62

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031720\
Data File : VL034919.D
Acq On : 17 Mar 2020 17:24
Operator : SY/AP
Sample : L1952-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1

Quant Time: Mar 18 06:59:33 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
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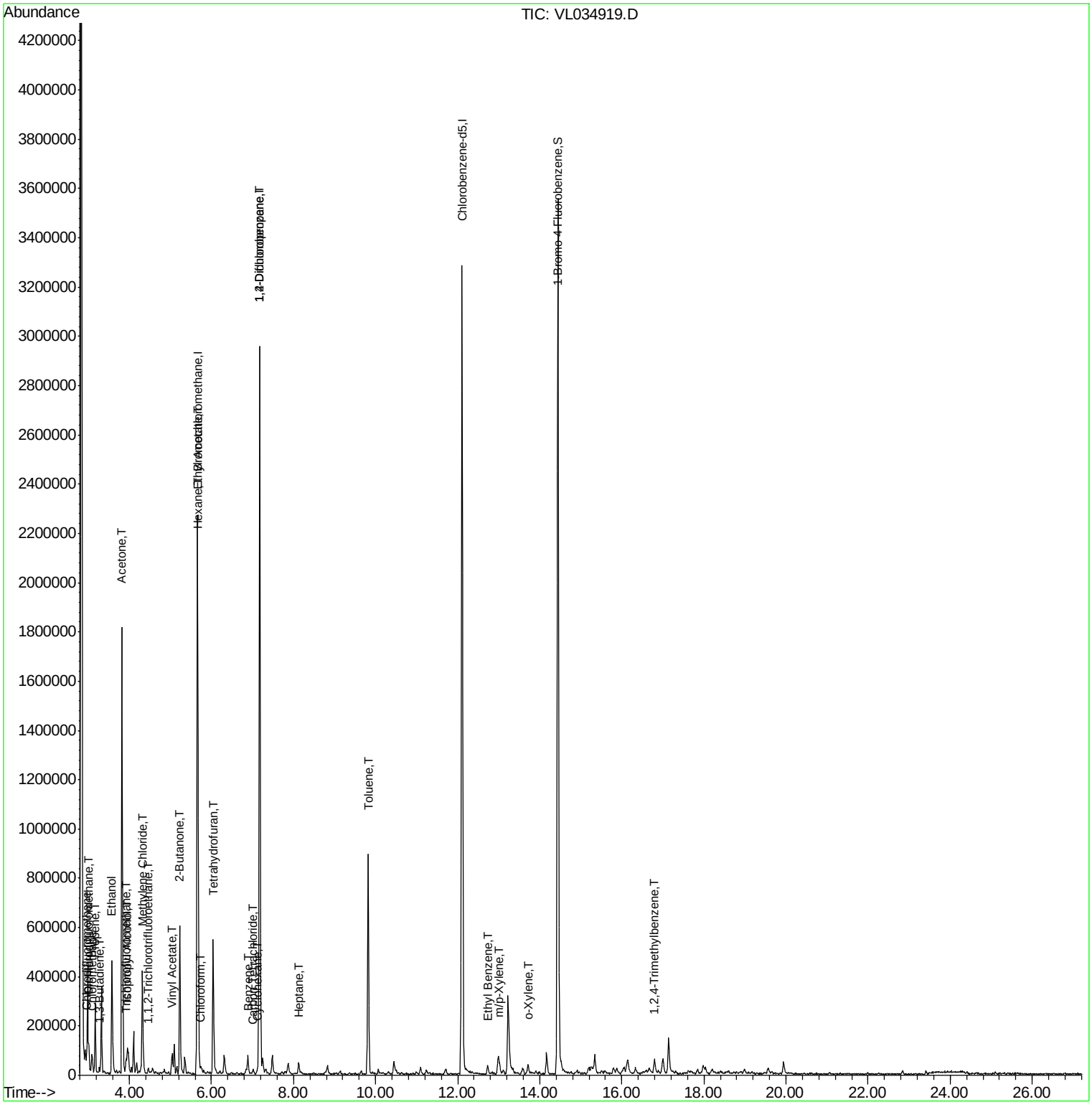
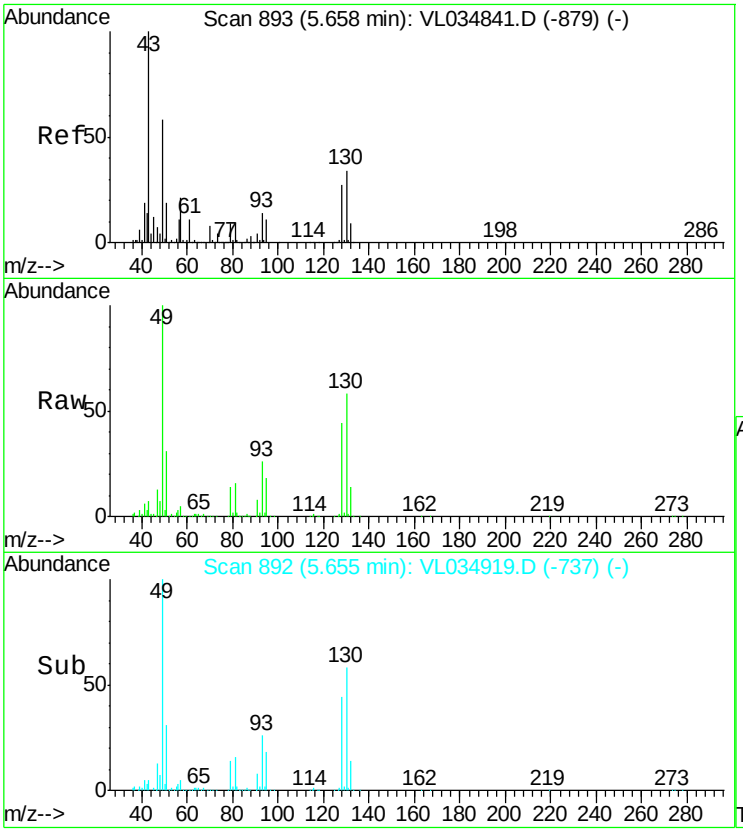


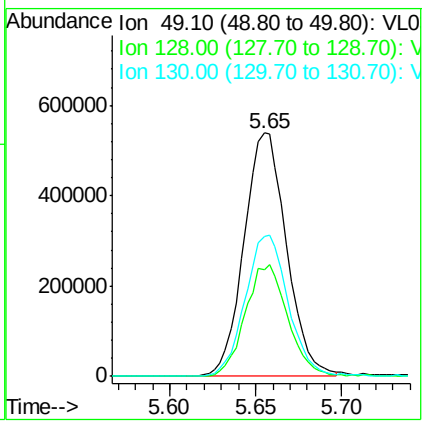


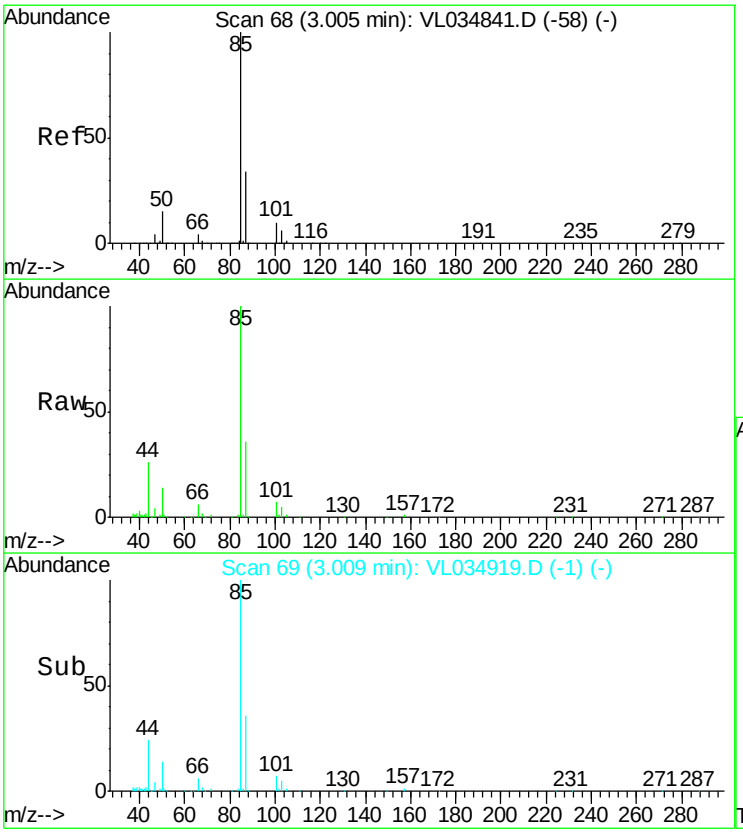
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 49 Resp: 923915

Ion	Ratio	Lower	Upper
49	100		
128	46.1	23.4	70.3
130	59.0	30.0	90.0

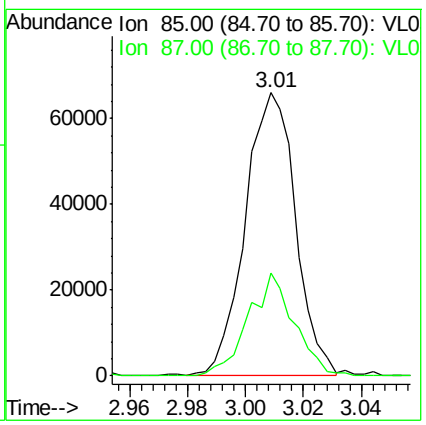


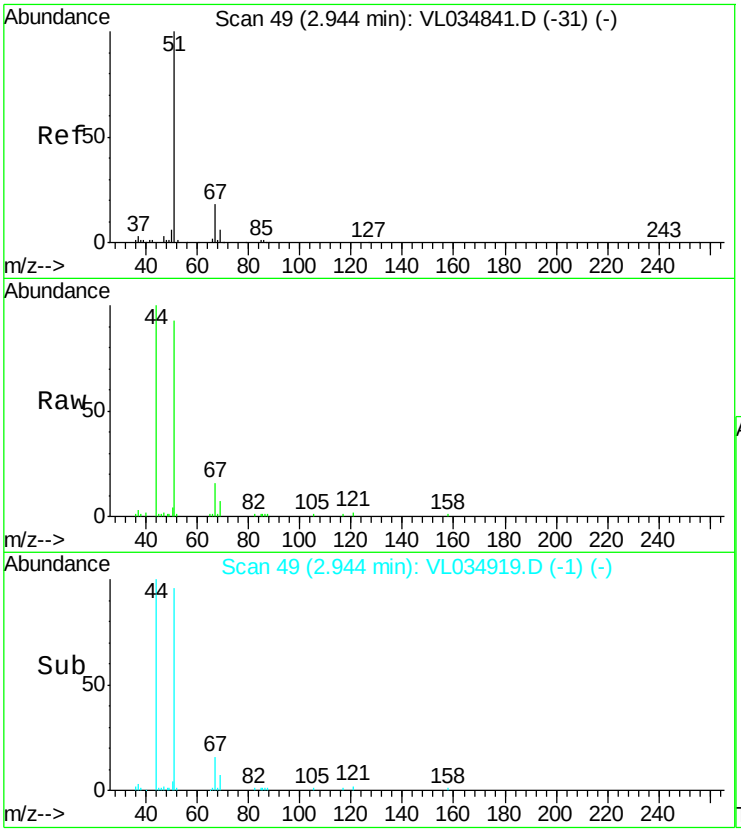


#2
Dichlorodifluoromethane
Concen: 0.629 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 85 Resp: 79544

Ion	Ratio	Lower	Upper
85	100		
87	36.3	26.9	40.3



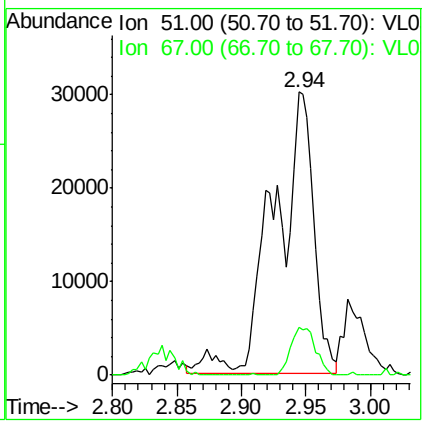


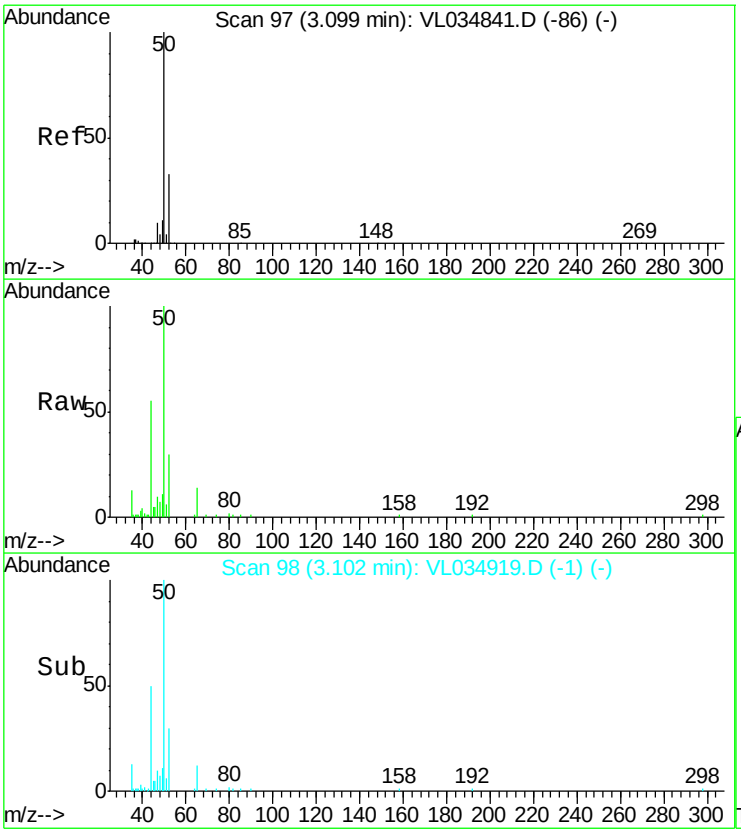
#3
Chlorodifluoromethane
Concen: 0.619 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 51 Resp: 63869

Ion	Ratio	Lower	Upper
51	100		
67	10.6	14.3	21.5#

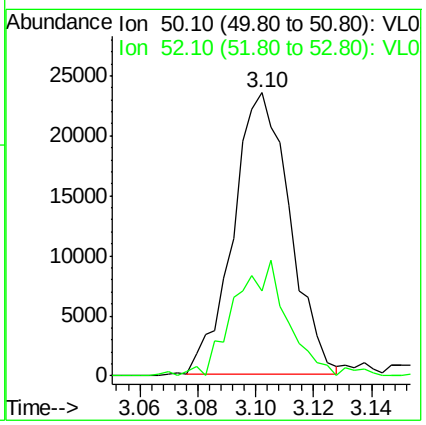


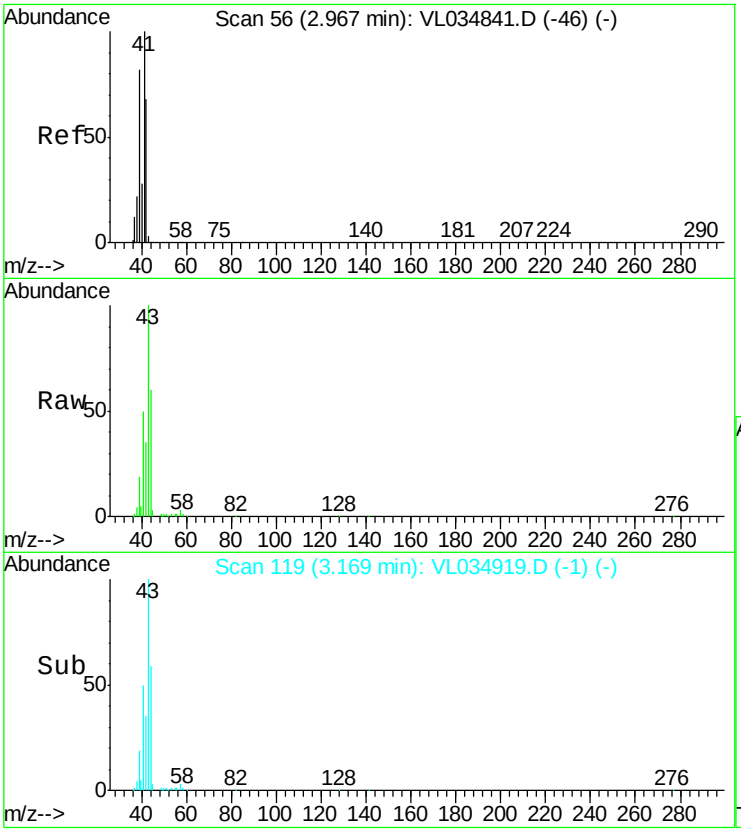


#4
Chloromethane
Concen: 0.544 ppbv
RT: 3.10 min Scan# 98
Delta R.T. 0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 50 Resp: 31758

Ion	Ratio	Lower	Upper
50	100		
52	31.3	26.8	40.2



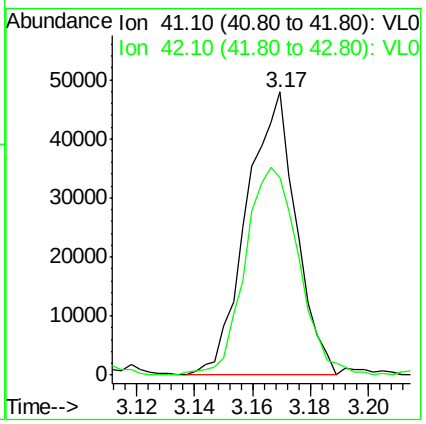


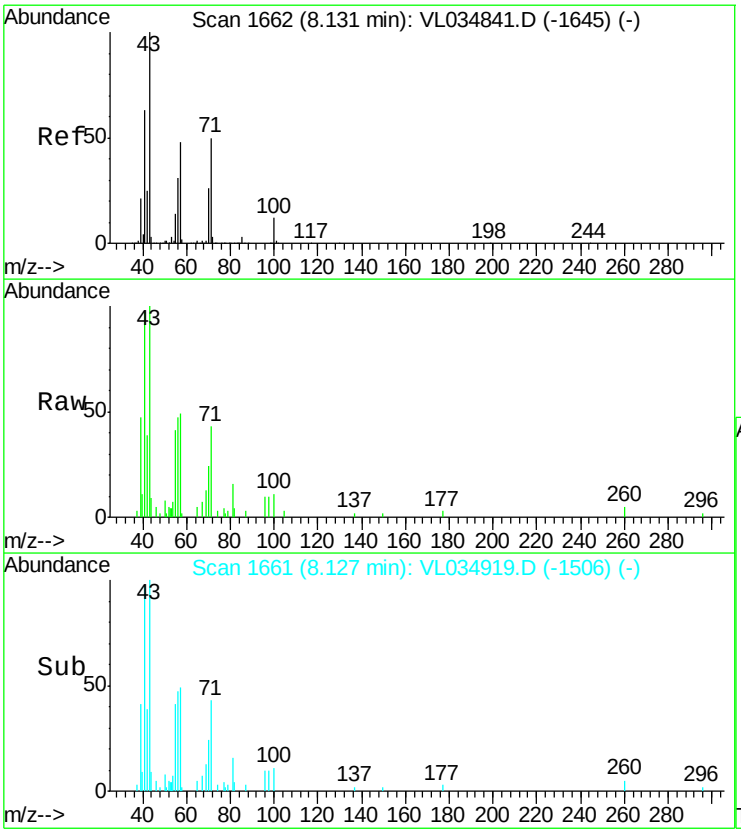
#9
Propene
Concen: 1.153 ppbv
RT: 3.17 min Scan# 119
Delta R.T. 0.20 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 41 Resp: 56837

Ion	Ratio	Lower	Upper
41	100		
42	79.8	55.2	82.8

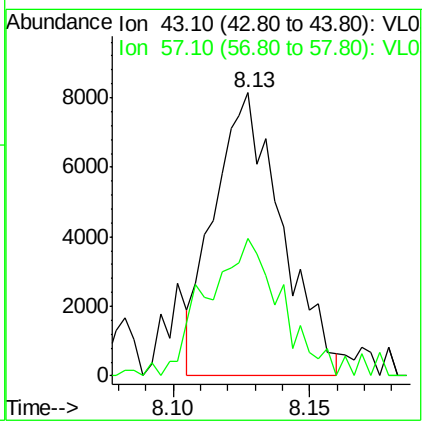


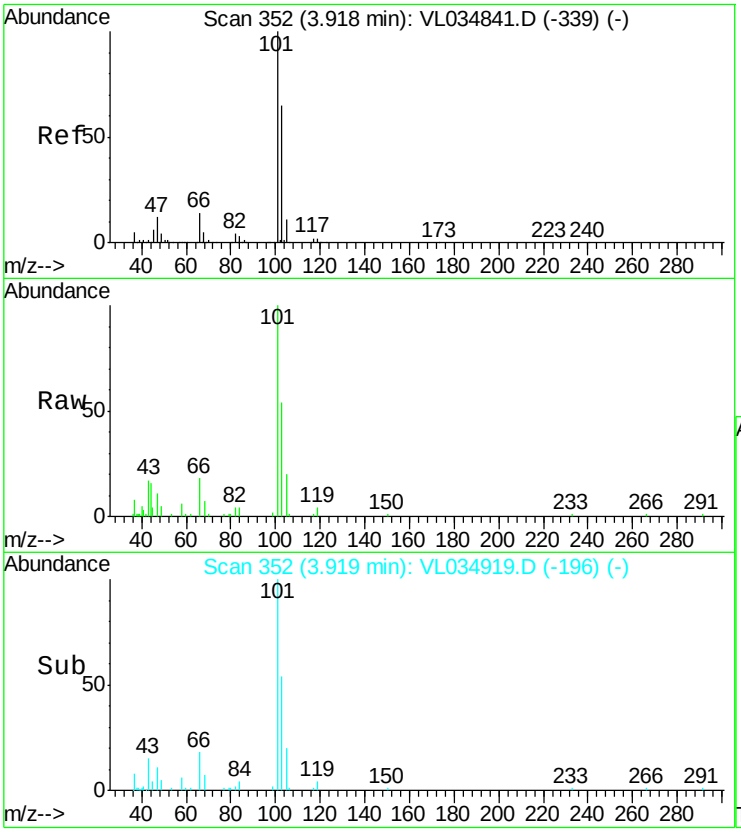


#10
Heptane
Concen: 0.116 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 43 Resp: 14014

Ion	Ratio	Lower	Upper
43	100		
57	55.9	39.7	59.5



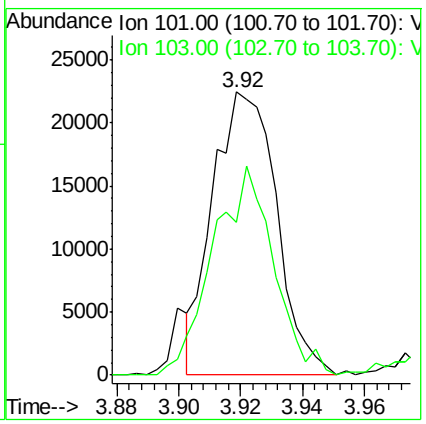


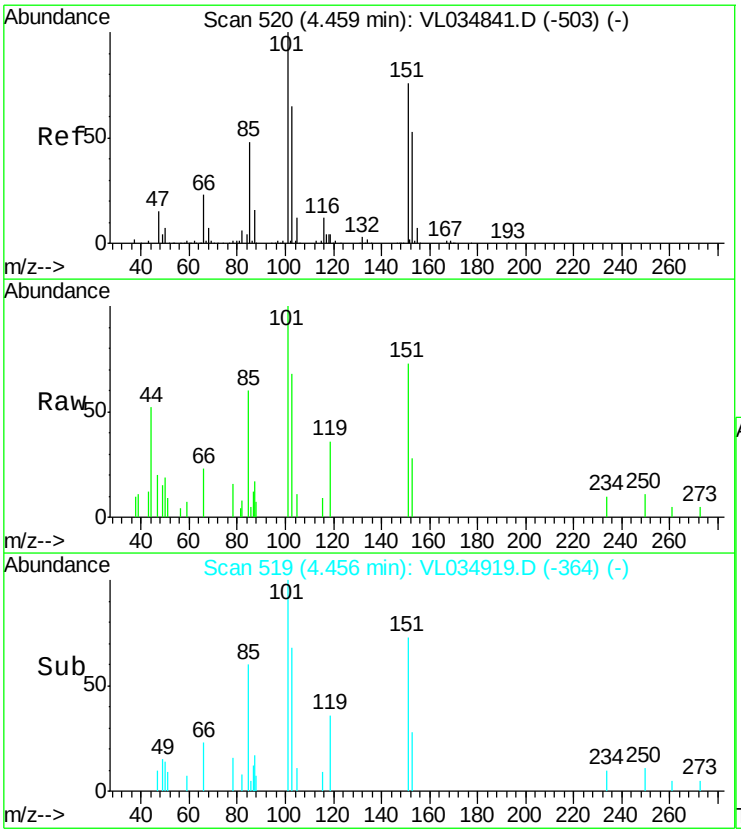
#11
Trichlorofluoromethane
Concen: 0.239 ppbv
RT: 3.92 min Scan# 352
Delta R.T. 0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion:101 Resp: 32237

Ion	Ratio	Lower	Upper
101	100		
103	54.0	51.8	77.8

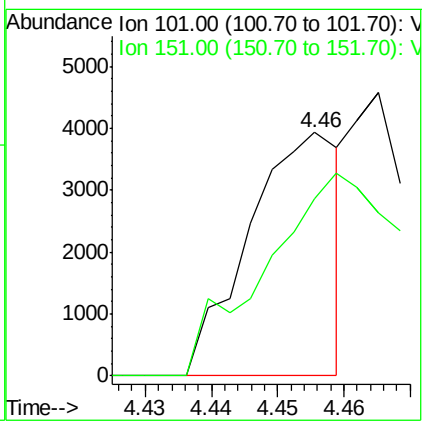


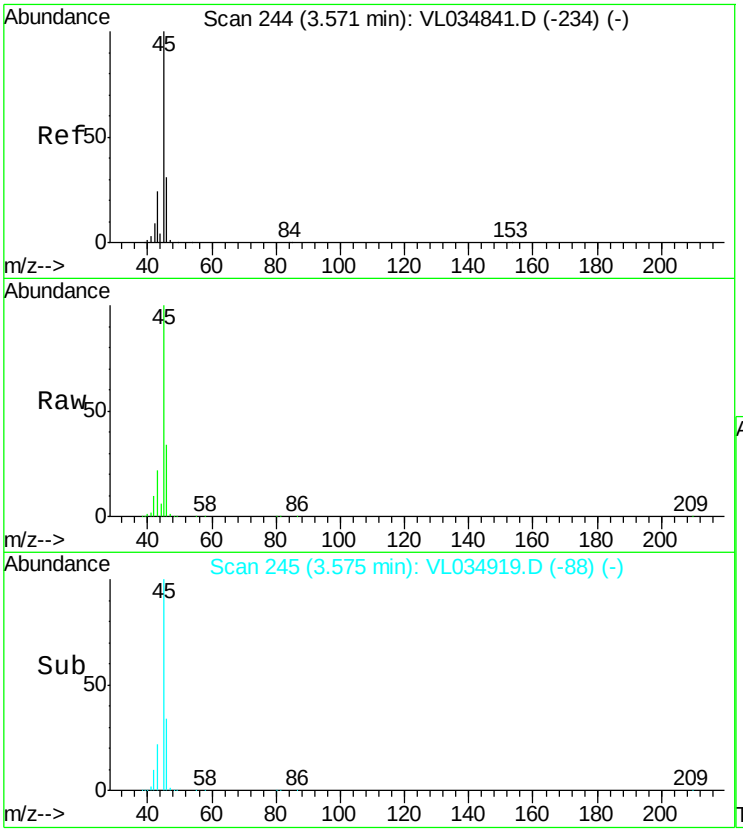


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.040 ppbv
RT: 4.46 min Scan# 519
Delta R.T. -0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion:101 Resp: 3748

Ion	Ratio	Lower	Upper
101	100		
151	136.7	60.8	91.2#



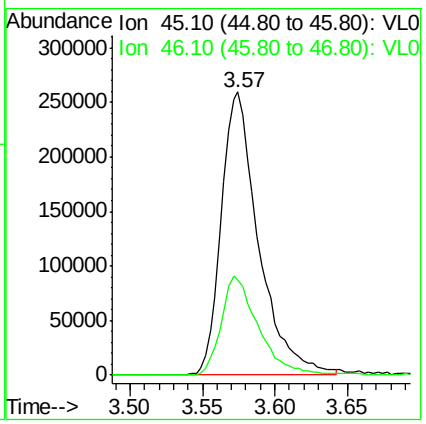


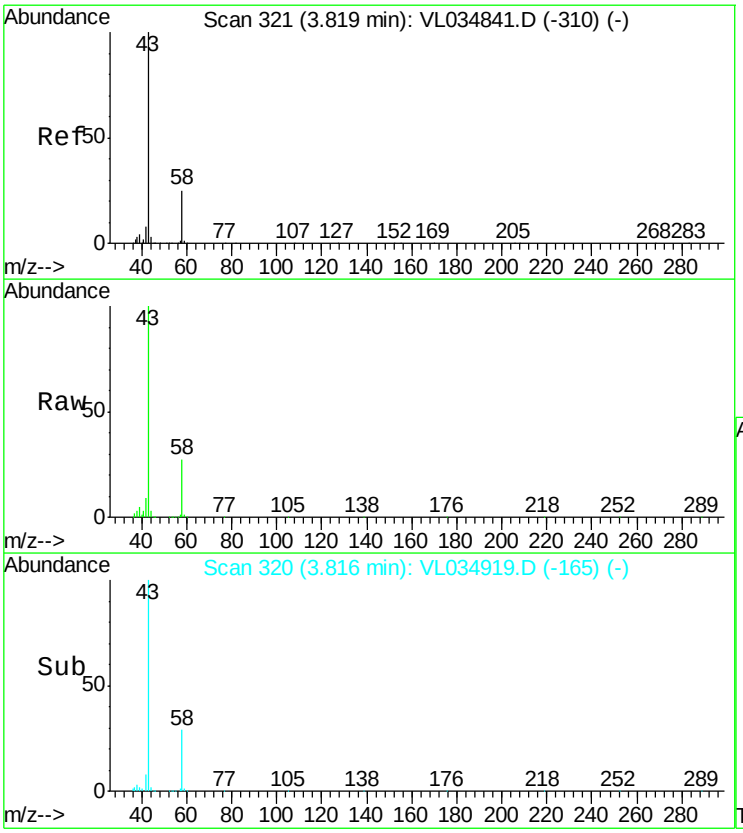
#13
Ethanol
Concen: 31.022 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 45 Resp: 464738

Ion	Ratio	Lower	Upper
45	100		
46	35.1	16.0	64.0

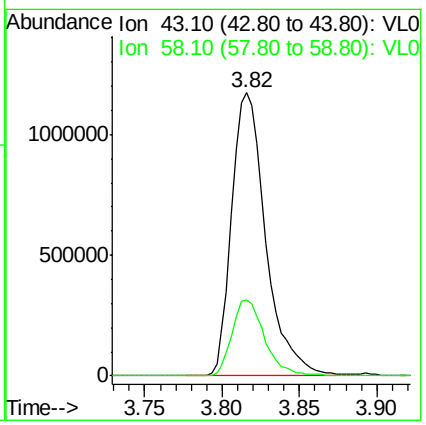


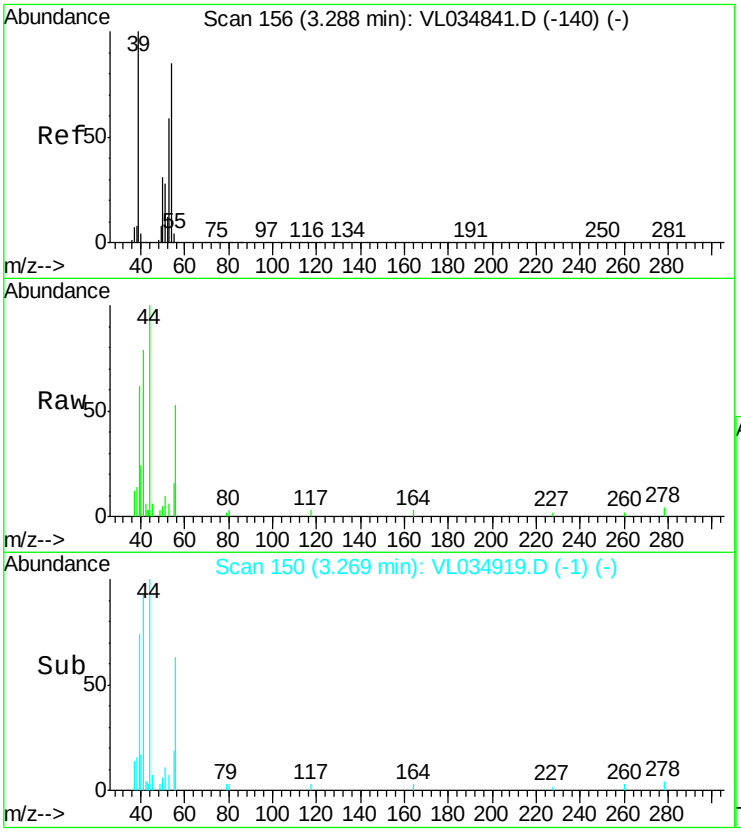


#15
Acetone
Concen: 14.932 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 43 Resp: 1788117

Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.0	31.6



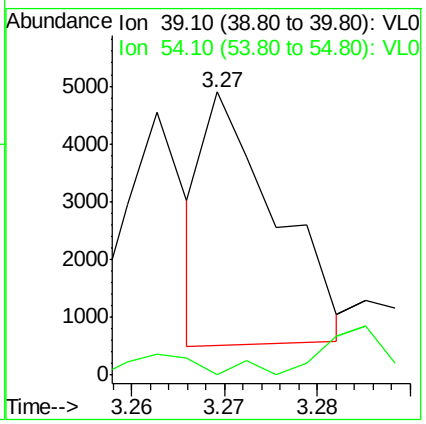


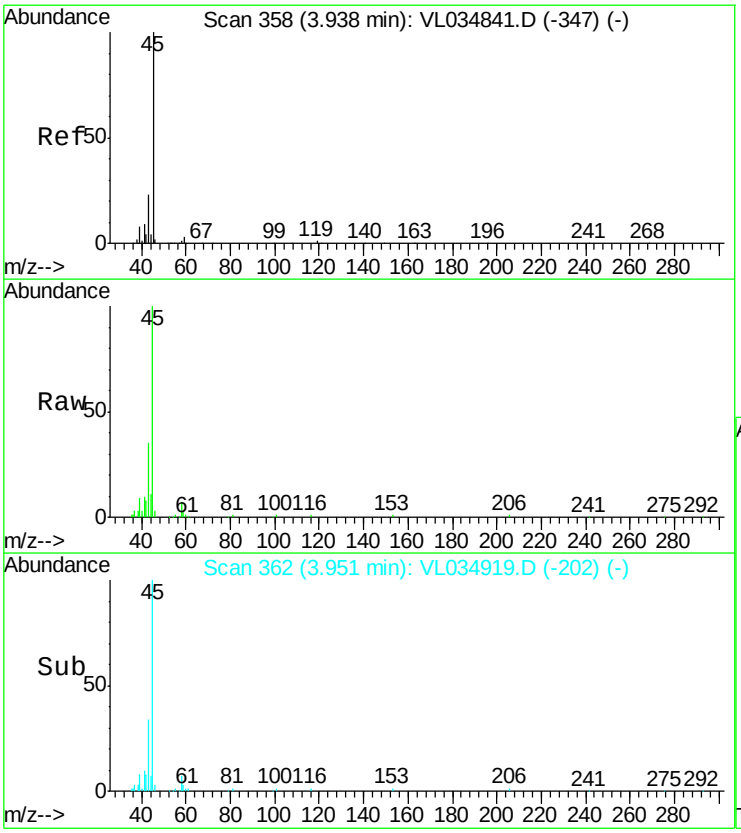
#16
1,3-Butadiene
Concen: 0.043 ppbv
RT: 3.27 min Scan# 150
Delta R.T. -0.02 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 39 Resp: 2355

Ion	Ratio	Lower	Upper
39	100		
54	0.0	65.0	97.6#

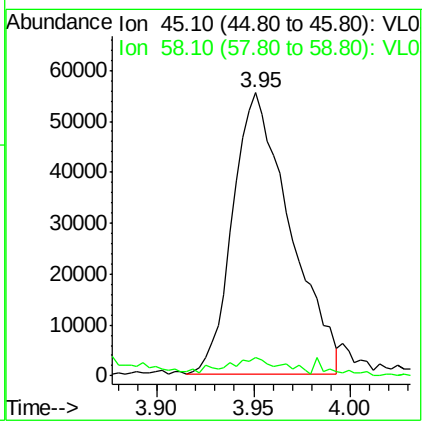


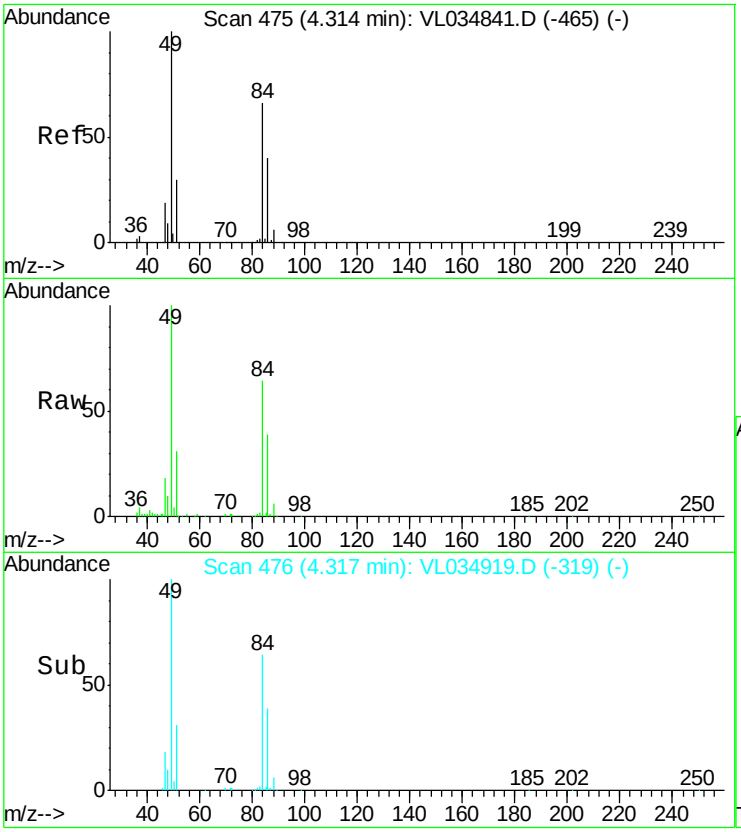


#19
Isopropyl Alcohol
Concen: 1.500 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 45 Resp: 113461

Ion	Ratio	Lower	Upper
45	100		
58	409.8	30.5	45.7#



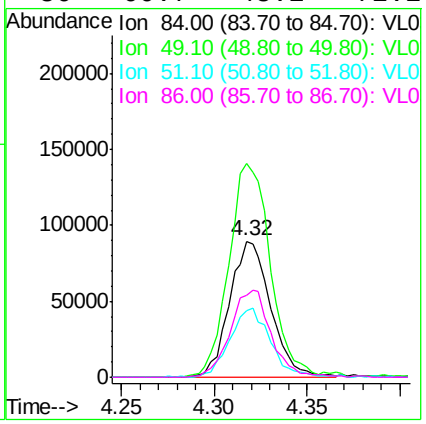


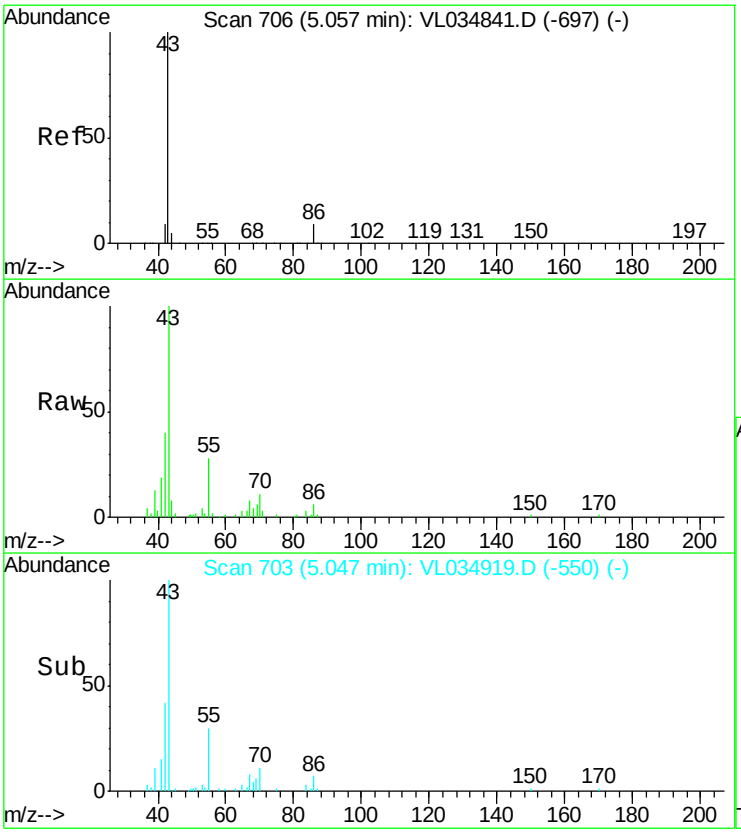
#20
Methylene Chloride
Concen: 3.614 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 84 Resp: 136818

Ion	Ratio	Lower	Upper
84	100		
49	156.4	121.5	182.3
51	49.0	36.6	55.0
86	60.7	48.2	72.2

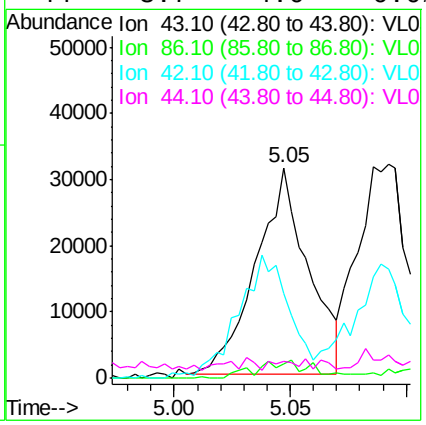


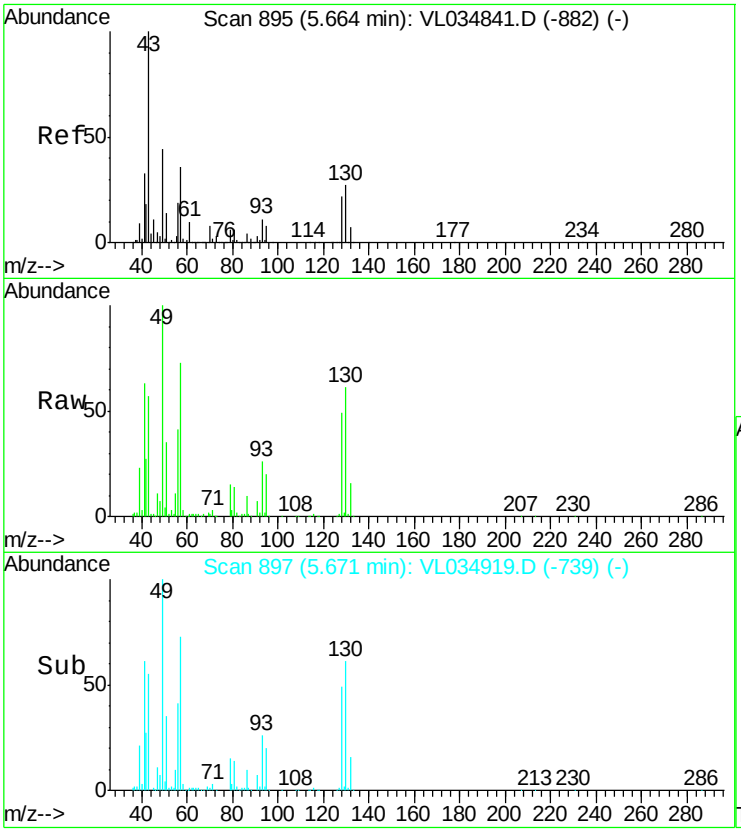


#23
Vinyl Acetate
Concen: 0.275 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.01 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 43 Resp: 48609

Ion	Ratio	Lower	Upper
43	100		
86	6.6	6.3	9.5
42	38.4	7.8	11.8#
44	3.7	4.0	6.0#



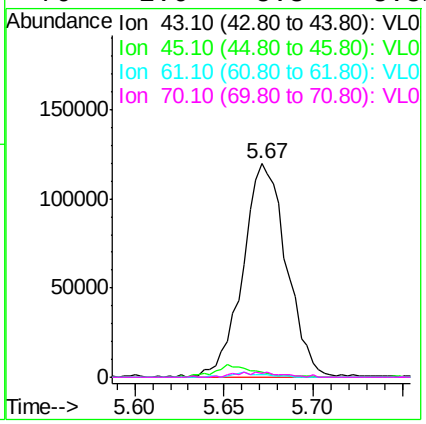


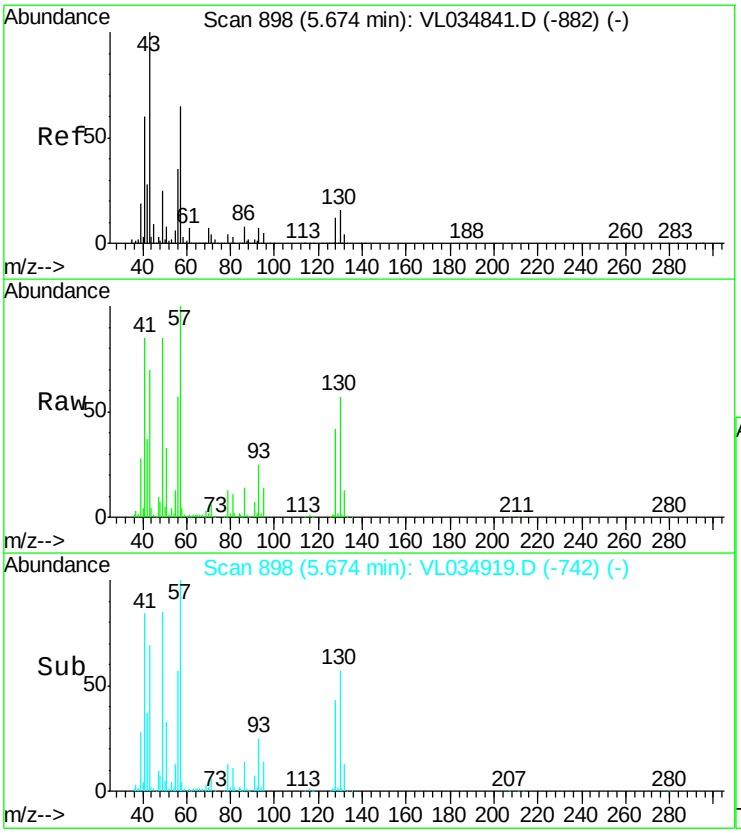
#25
Ethyl Acetate
Concen: 0.960 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 43 Resp: 204783

Ion	Ratio	Lower	Upper
43	100		
45	5.6	8.2	12.2#
61	1.8	7.8	11.6#
70	2.6	5.8	8.8#

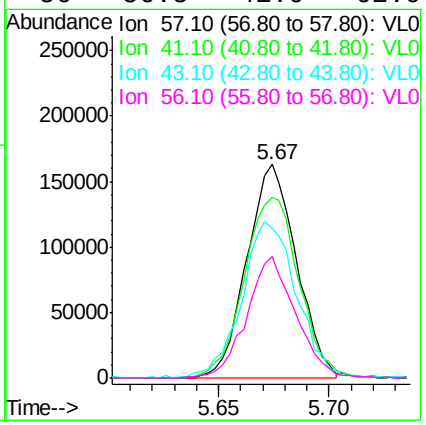


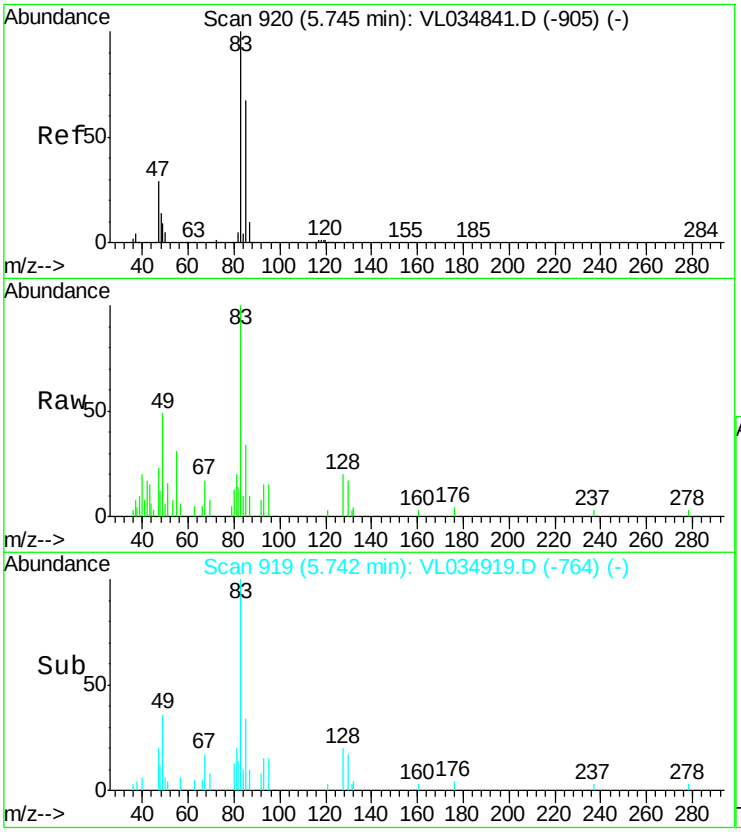


#26
Hexane
Concen: 2.754 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 57 Resp: 252982

Ion	Ratio	Lower	Upper
57	100		
41	94.1	72.6	109.0
43	82.5	183.8	275.6#
56	56.5	41.9	62.9



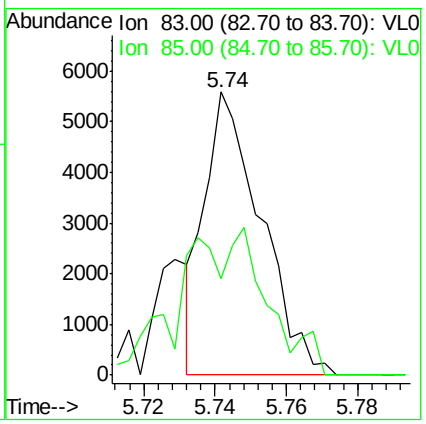


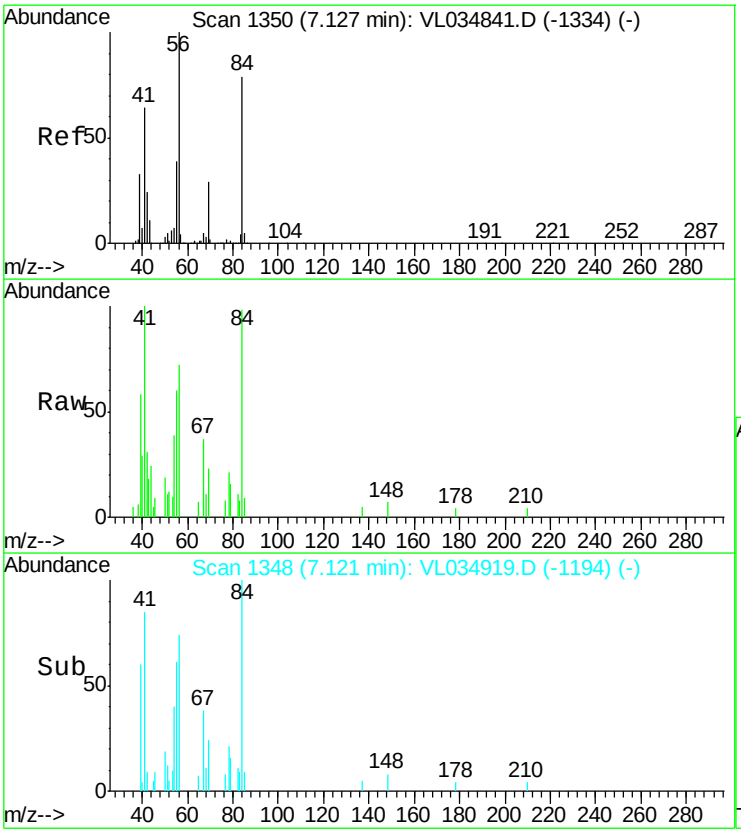
#29
Chloroform
Concen: 0.044 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 83 Resp: 6141

Ion	Ratio	Lower	Upper
83	100		
85	34.3	53.8	80.6#

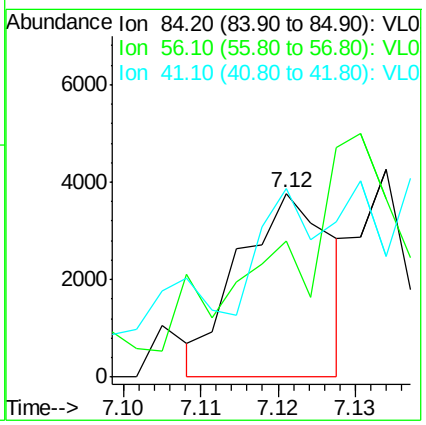


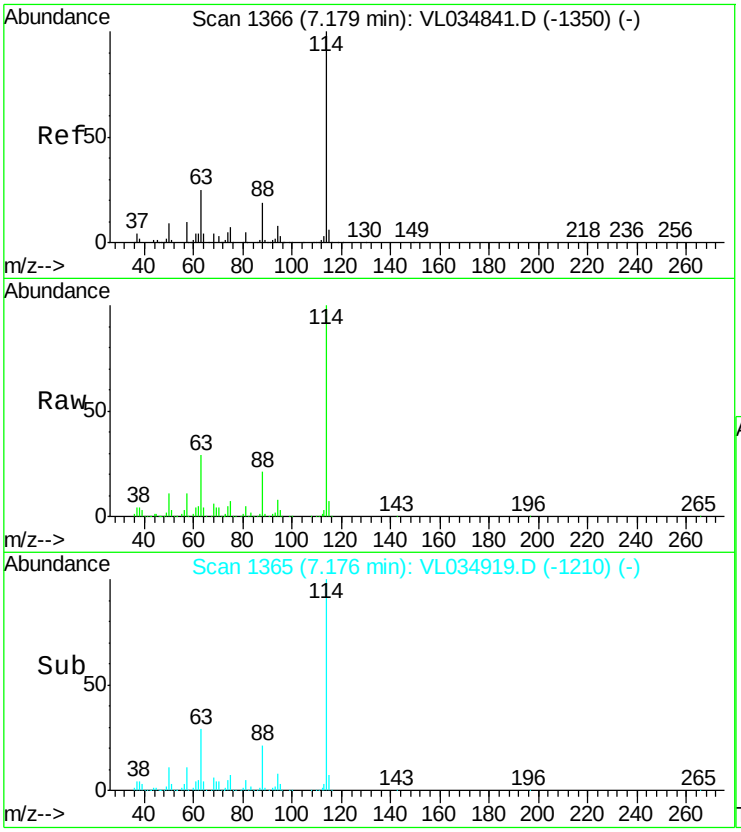


#30
Cyclohexane
Concen: 0.040 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 84 Resp: 3093

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



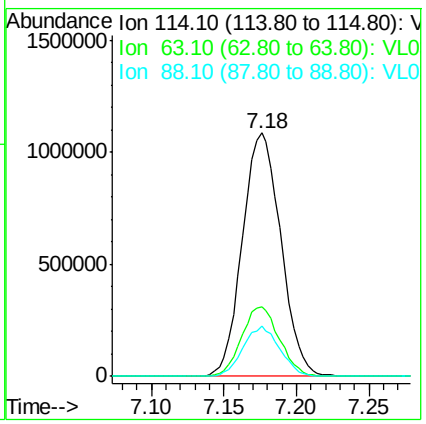


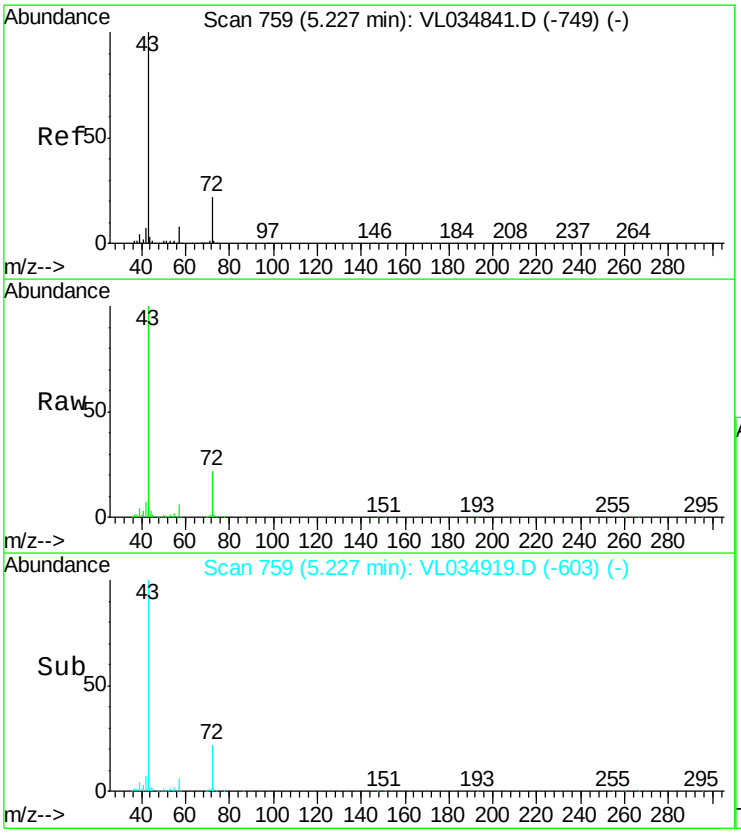
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion:114 Resp: 2006794

Ion	Ratio	Lower	Upper
114	100		
63	28.3	20.6	31.0
88	19.8	15.0	22.6

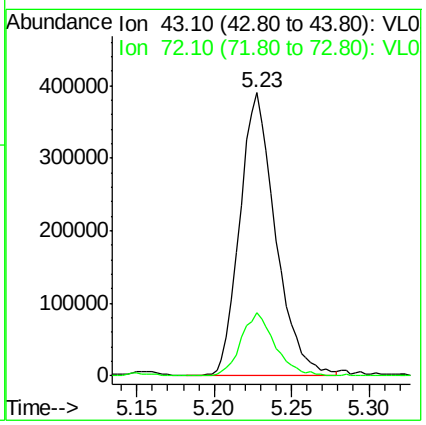


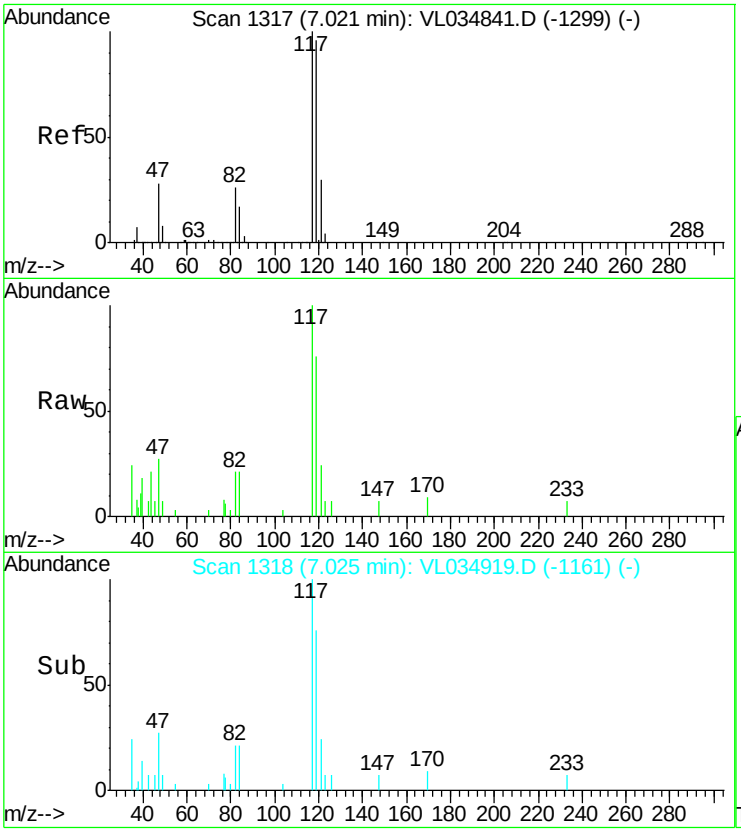


#34
2-Butanone
Concen: 4.693 ppbv
RT: 5.23 min Scan# 759
Delta R.T. 0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 43 Resp: 625827

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.6	26.4



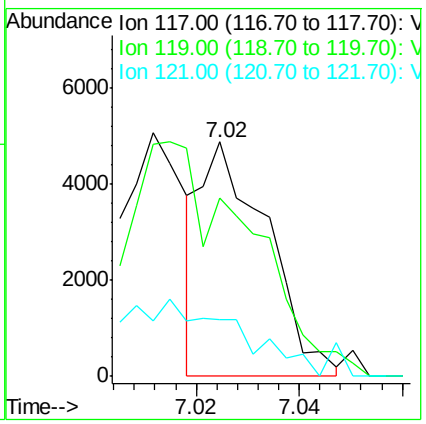


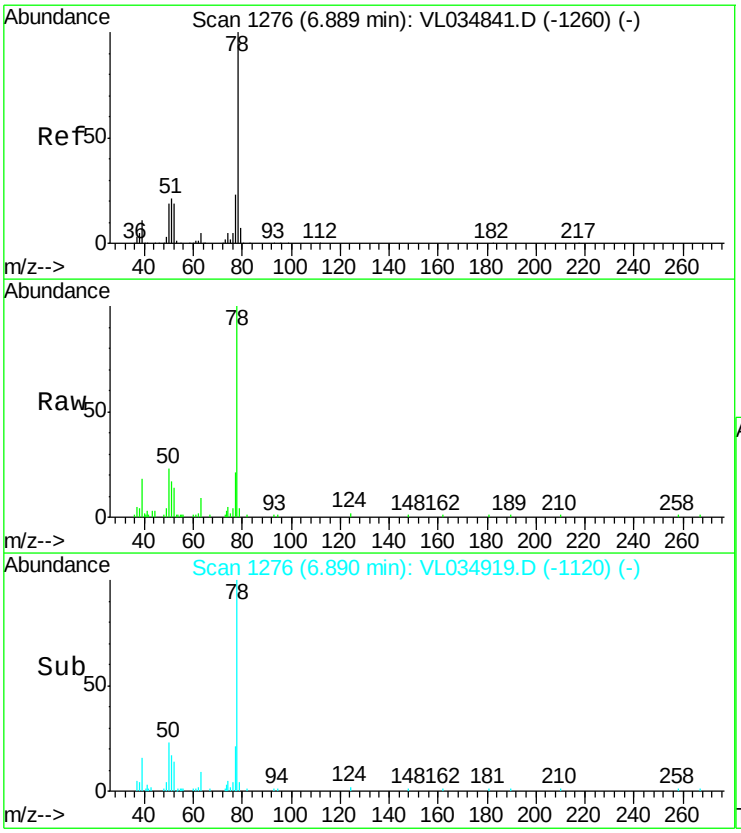
#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion:117 Resp: 4333

Ion	Ratio	Lower	Upper
117	100		
119	78.6	77.0	115.4
121	12.1	24.0	36.0#

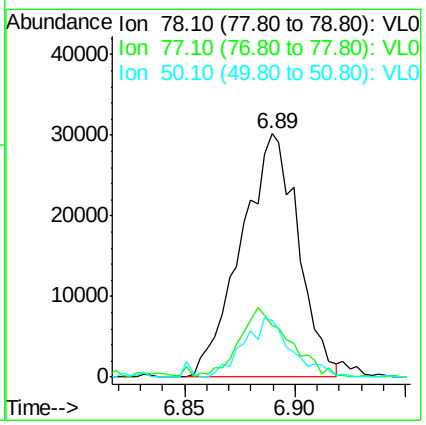


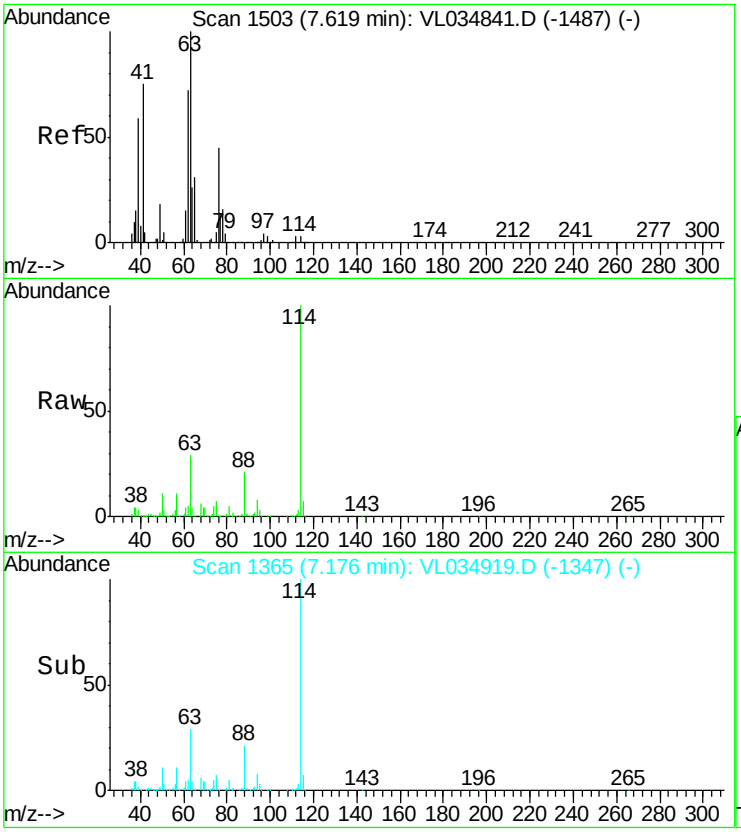


#36
Benzene
Concen: 0.302 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 78 Resp: 53997

Ion	Ratio	Lower	Upper
78	100		
77	20.1	18.2	27.2
50	22.5	15.2	22.8



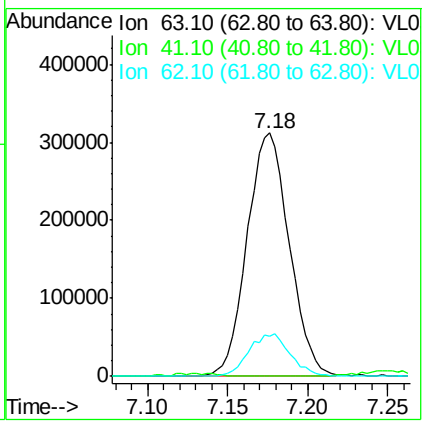


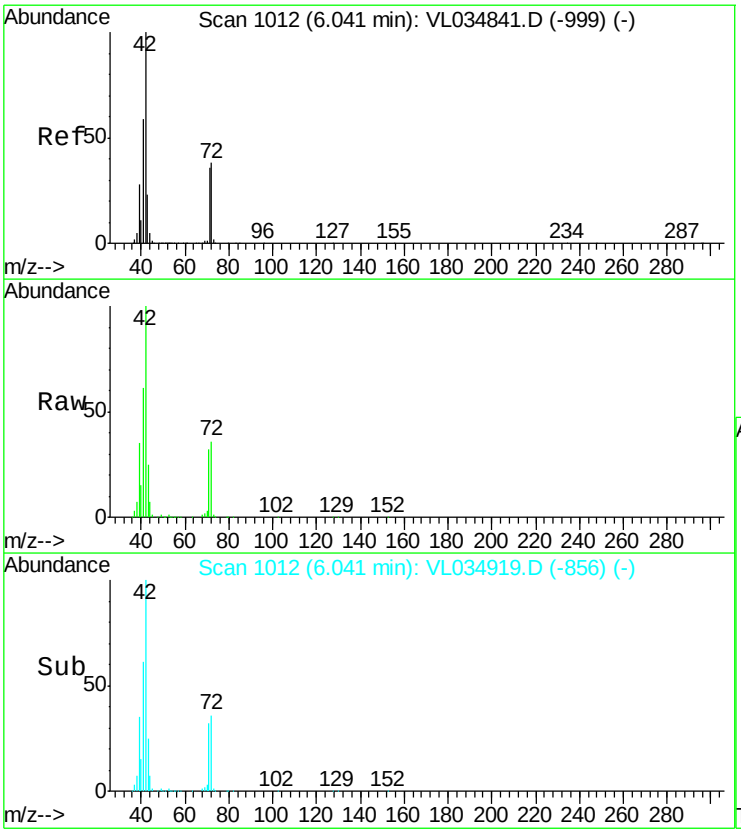
#39
1,2-Dichloropropane
Concen: 7.953 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.44 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 63 Resp: 563607

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.8	89.8#
62	16.3	57.6	86.4#

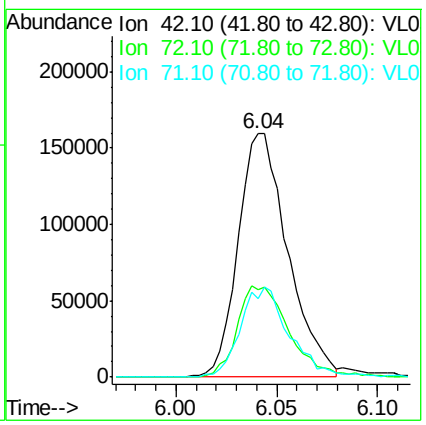


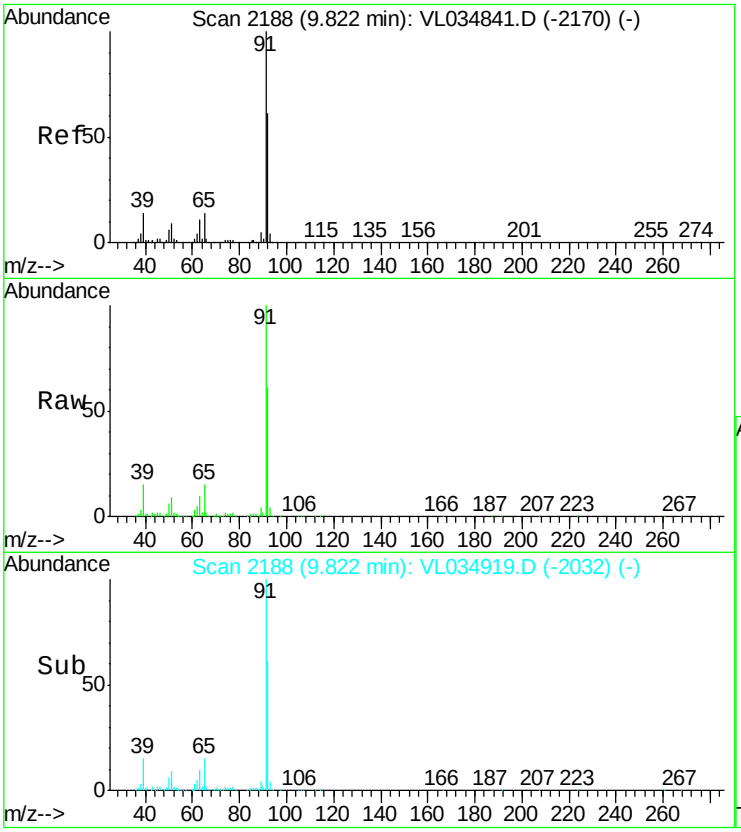


#41
Tetrahydrofuran
Concen: 3.813 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 42 Resp: 275146

Ion	Ratio	Lower	Upper
42	100		
72	39.6	30.8	46.2
71	36.7	30.1	45.1



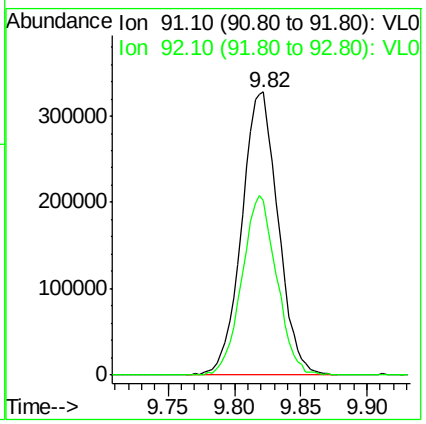


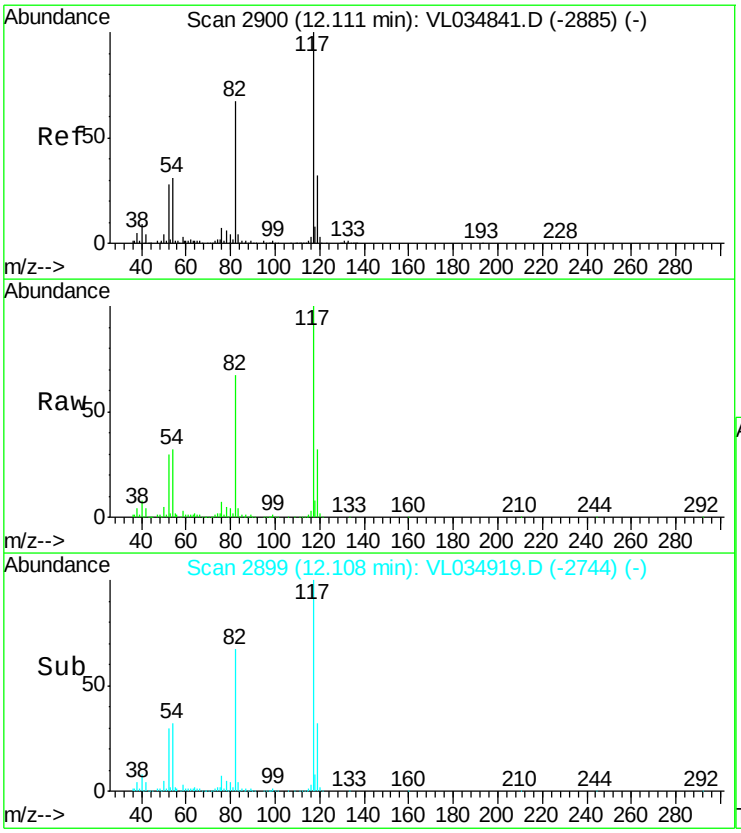
#53
Toluene
Concen: 3.025 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 91 Resp: 624889

Ion	Ratio	Lower	Upper
91	100		
92	60.7	48.6	72.8

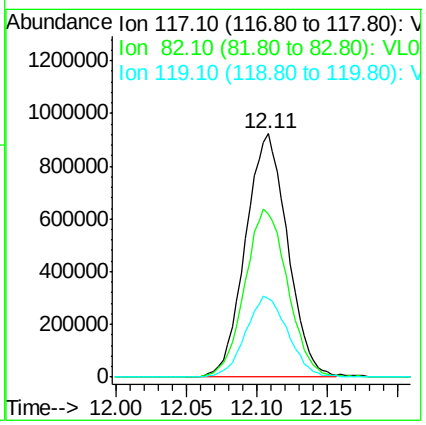


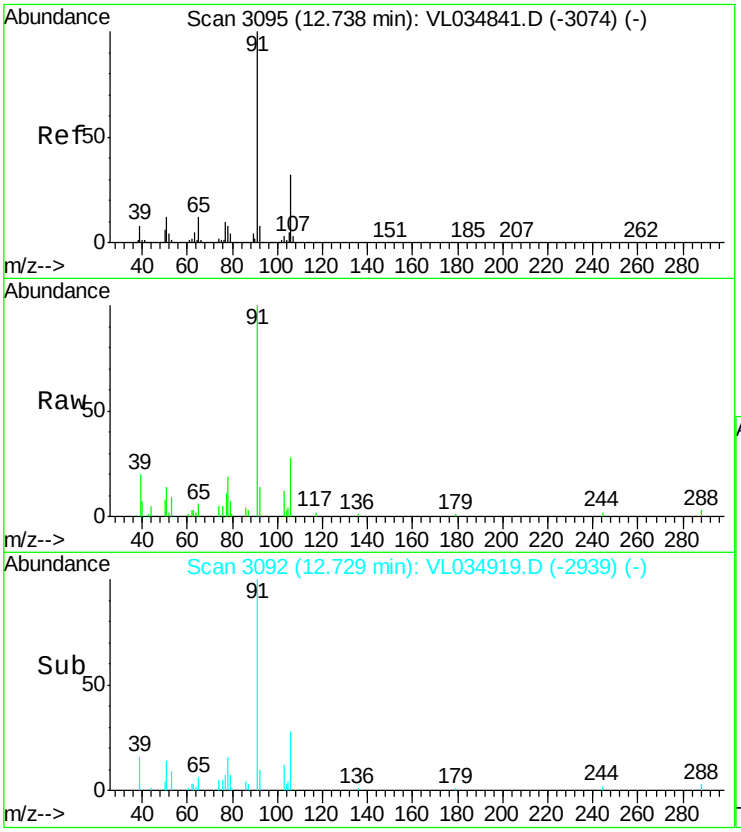


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion:117 Resp: 1926509

Ion	Ratio	Lower	Upper
117	100		
82	70.4	51.1	76.7
119	33.6	27.3	40.9



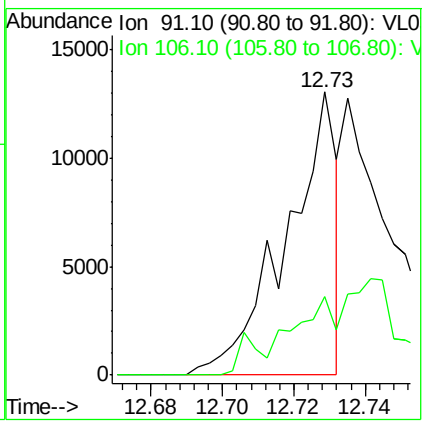


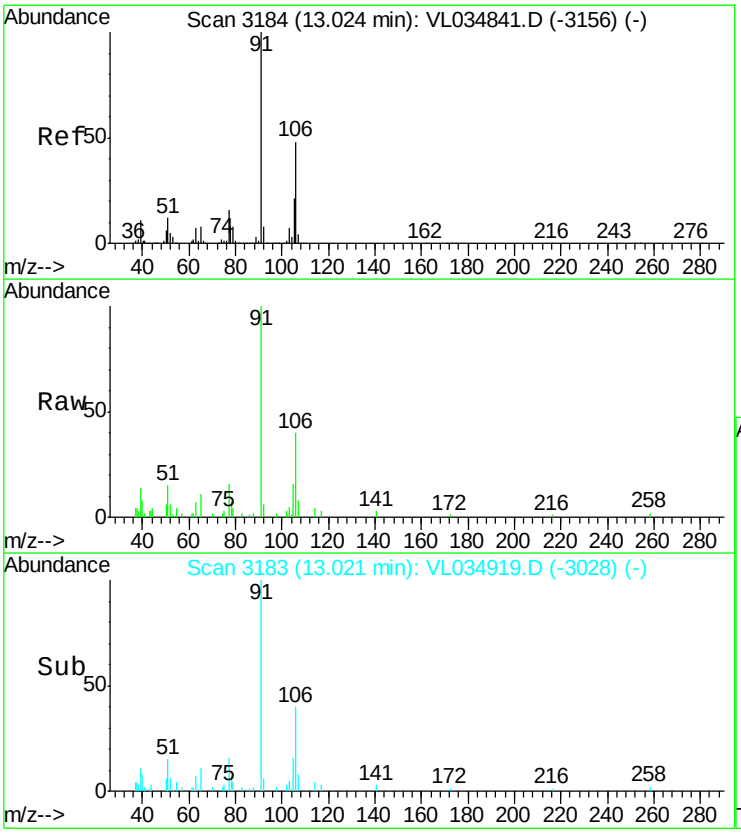
#58
Ethyl Benzene
Concen: 0.049 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.01 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 91 Resp: 12756

Ion	Ratio	Lower	Upper
91	100		
106	27.9	25.8	38.6

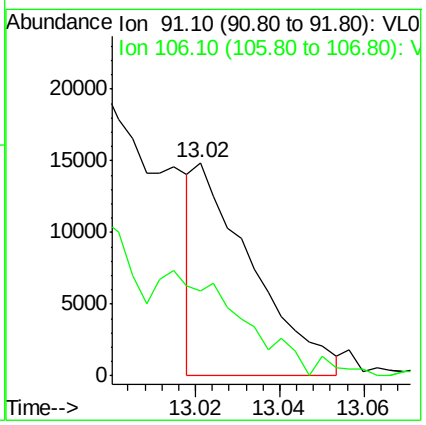


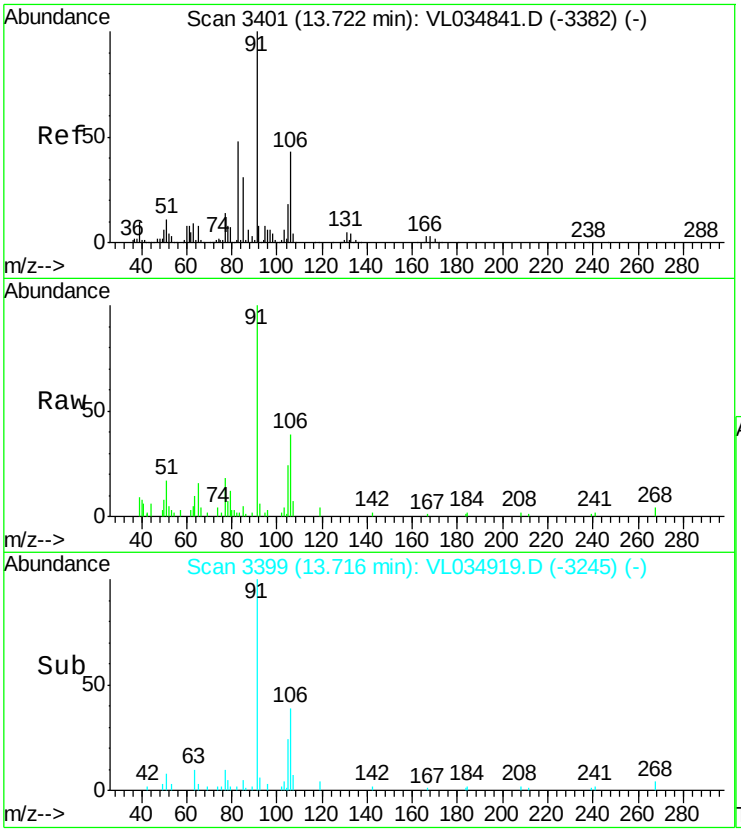


#59
m/p-Xylene
Concen: 0.065 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 91 Resp: 14235

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.1	55.7#



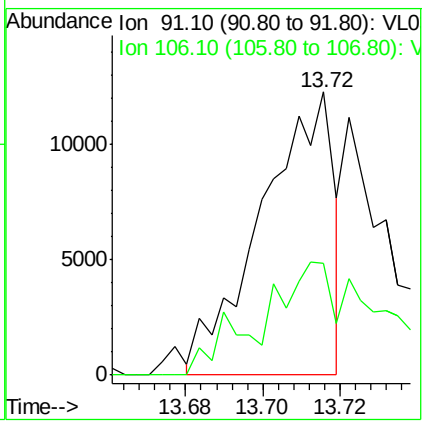


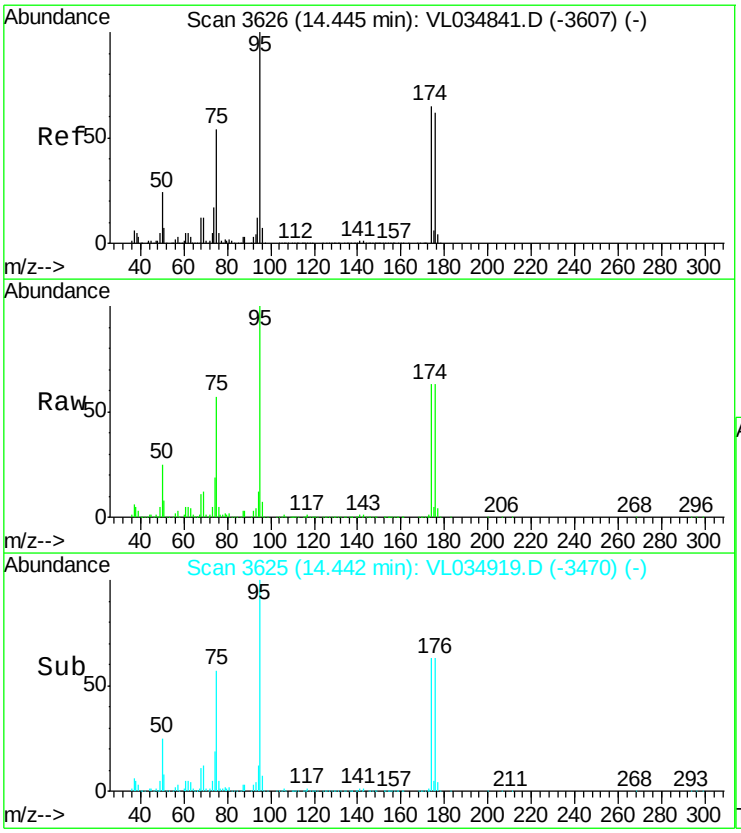
#60
o-Xylene
Concen: 0.074 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 91 Resp: 15853

Ion	Ratio	Lower	Upper
91	100		
106	65.6	22.5	67.5

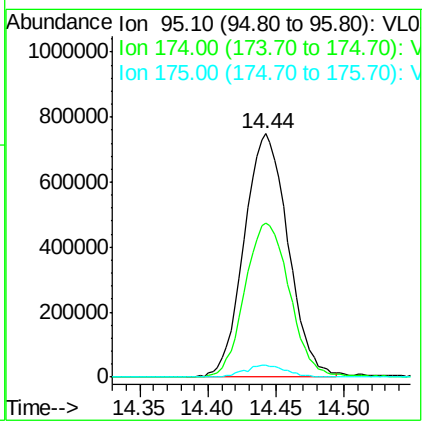


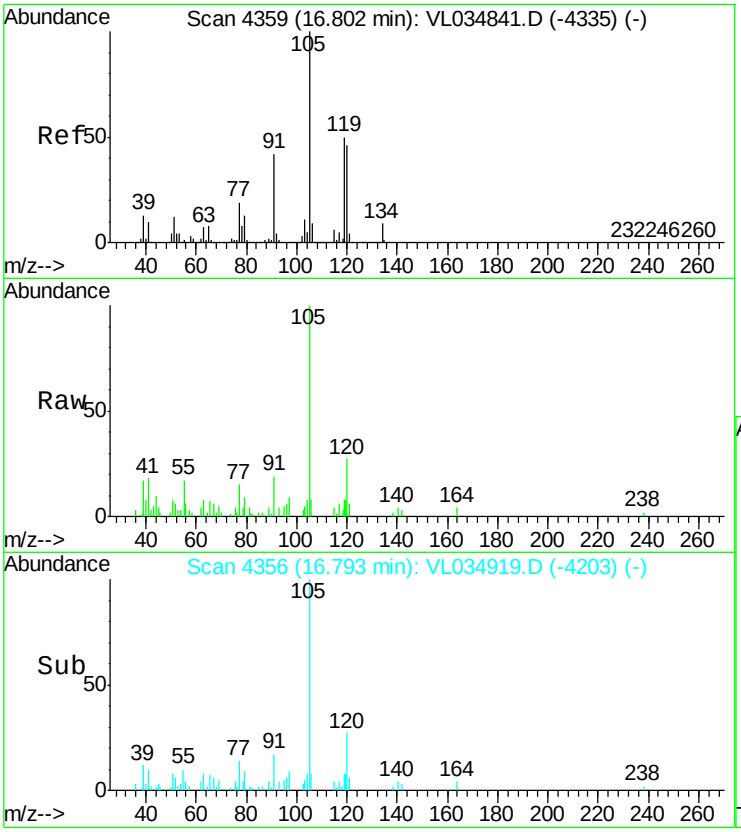


#68
1-Bromo-4-Fluorobenzene
Concen: 11.138 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Tgt Ion: 95 Resp: 1673383

Ion	Ratio	Lower	Upper
95	100		
174	64.6	55.2	82.8
175	4.7	4.3	6.5





#74
1,2,4-Trimethylbenzene
Concen: 0.115 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. -0.01 min
Lab File: VL034919.D
Acq: 17 Mar 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:105 Resp: 27865

Ion	Ratio	Lower	Upper
105	100		
120	14.0	37.0	55.4#
91	17.3	33.8	50.6#
77	14.7	15.4	23.0#