Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033004.D
Acq On : 17 Dec 2018 20:33
Operator : SY/AP
Sample : J6382-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 18 01:16:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1081966	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	2510938	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2548306	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2124873	11.29	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 112.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	83541	0.578	ppbv		99
3) Chlorodifluoromethane	2.99	51	161282	1.968	ppbv	#	64
4) Chloromethane	3.18	50	27559	0.578	ppbv		90
9) Propene	3.24	41	33376	1.030	ppbv		84
11) Trichlorofluoromethane	4.01	101	38804	0.285	ppbv		84
12) 1,1,2-Trichlorotrifluoroet	4.56	101	5940	0.051	ppbv	#	12
13) Ethanol	3.65	45	145409	13.034	ppbv		93
15) Acetone	3.91	43	315453	3.397	ppbv		99
16) 1,3-Butadiene	3.35	39	6461	0.175	ppbv	#	33
19) Isopropyl Alcohol	4.05	45	16610	0.285	ppbv	#	95
20) Methylene Chloride	4.41	84	26475	0.583	ppbv	#	88
23) Vinyl Acetate	5.15	43	18509	0.118	ppbv	#	21
25) Ethyl Acetate	5.78	43	118305	0.539	ppbv	#	93
26) Hexane	5.78	57	99114	0.979	ppbv	#	62
29) Chloroform	5.85	83	7301	0.040	ppbv		88
34) 2-Butanone	5.34	43	102103	0.934	ppbv		99
36) Benzene	7.01	78	71460	0.387	ppbv		98
37) 1,2-Dichloroethane	6.42	62	4141	0.033	ppbv		99
38) Trichloroethene	7.96	130	5315	0.069	ppbv		95
39) 1,2-Dichloropropane	7.30	63	608421	8.687	ppbv	#	22
44) 2,2,4-Trimethylpentane	7.99	57	18502	0.059	ppbv	#	18
53) Toluene	9.95	91	2341140	11.952	ppbv		99
58) Ethyl Benzene	12.87	91	19777	0.073	ppbv		97
59) m/p-Xylene	13.16	91	8354	0.034	ppbv	#	100
60) o-Xylene	13.85	91	12616	0.051	ppbv	#	21
70) n-Butylbenzene	18.72	91	12974	0.037	ppbv	#	10
72) 4-Ethyltoluene	16.01	105	13133	0.047	ppbv	#	65
73) 1,3,5-Trimethylbenzene	16.16	105	10029	0.037	ppbv		90
74) 1,2,4-Trimethylbenzene	16.94	105	94367	0.308	ppbv	#	73
80) Naphthalene,2-methyl-	25.12	142	17697	0.419	ppbv	#	33

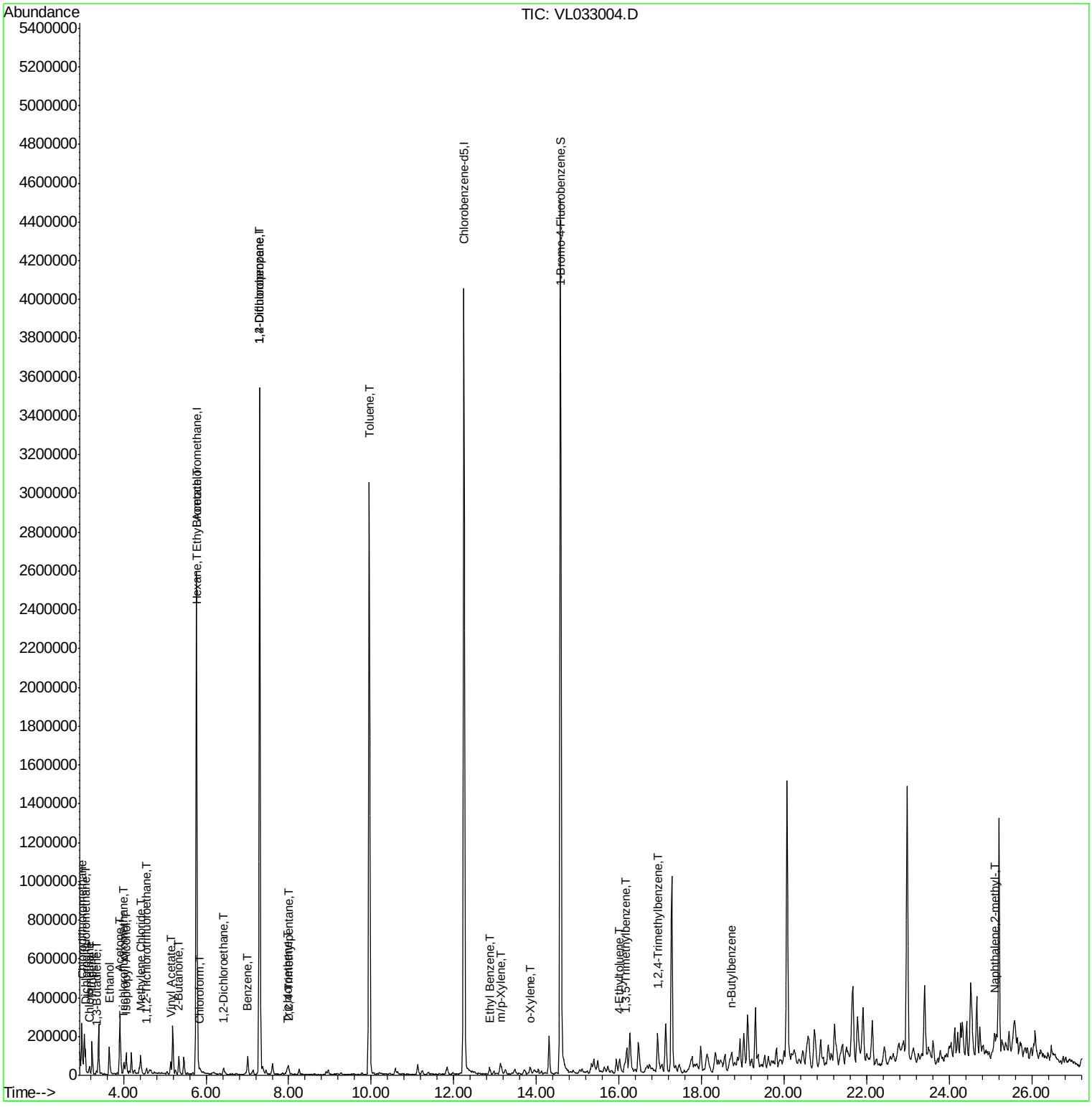
(#) = qualifier out of range (m) = manual integration (+) = signals summed

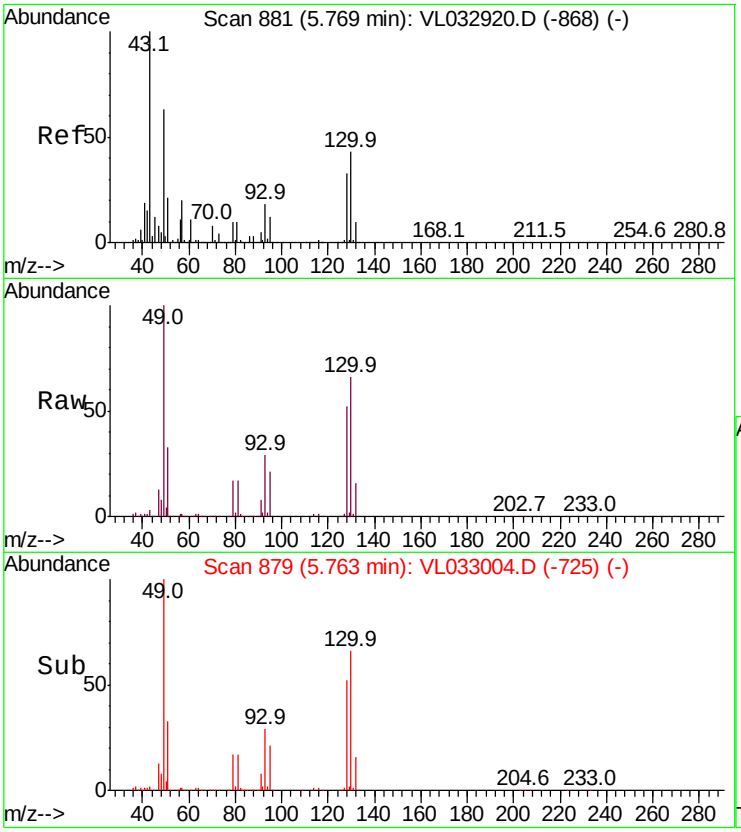
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033004.D
Acq On : 17 Dec 2018 20:33
Operator : SY/AP
Sample : J6382-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 18 01:16:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

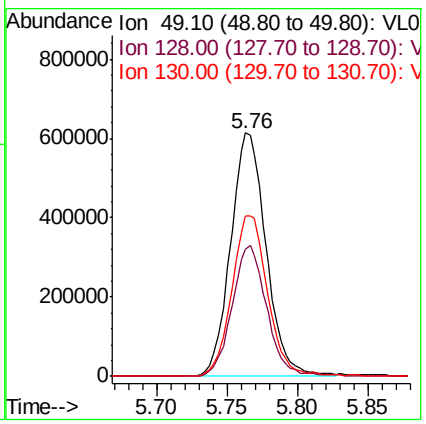




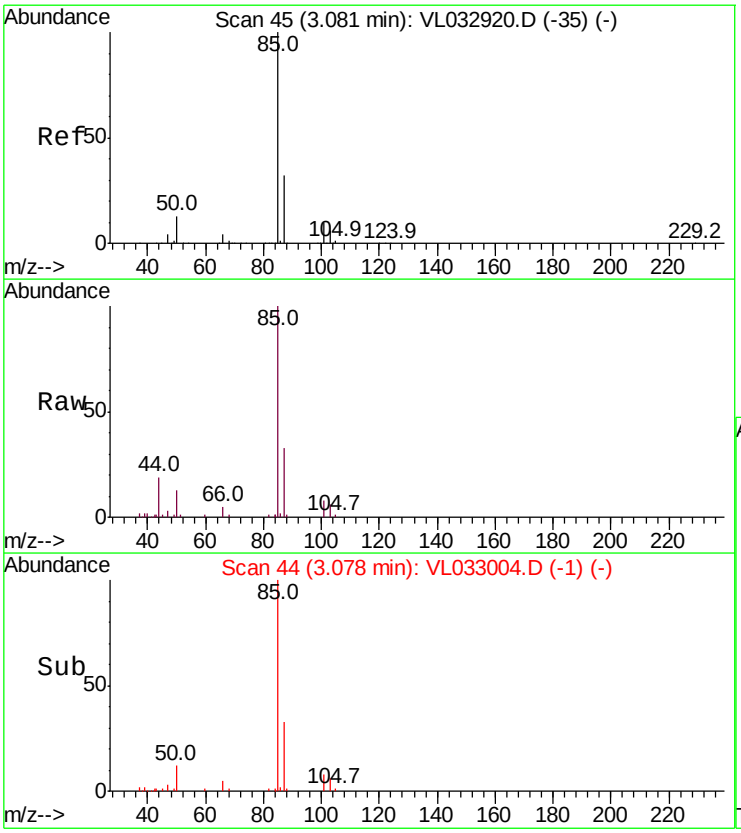
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 49 Resp: 1081966

Ion	Ratio	Lower	Upper
49	100		
128	52.7	26.3	78.8
130	67.4	33.9	101.7



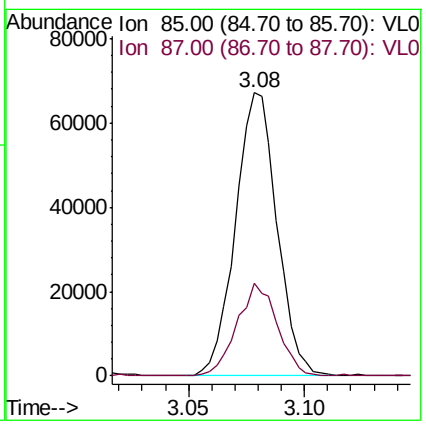
Instrument :
MSVOA_L
ClientSampleId :

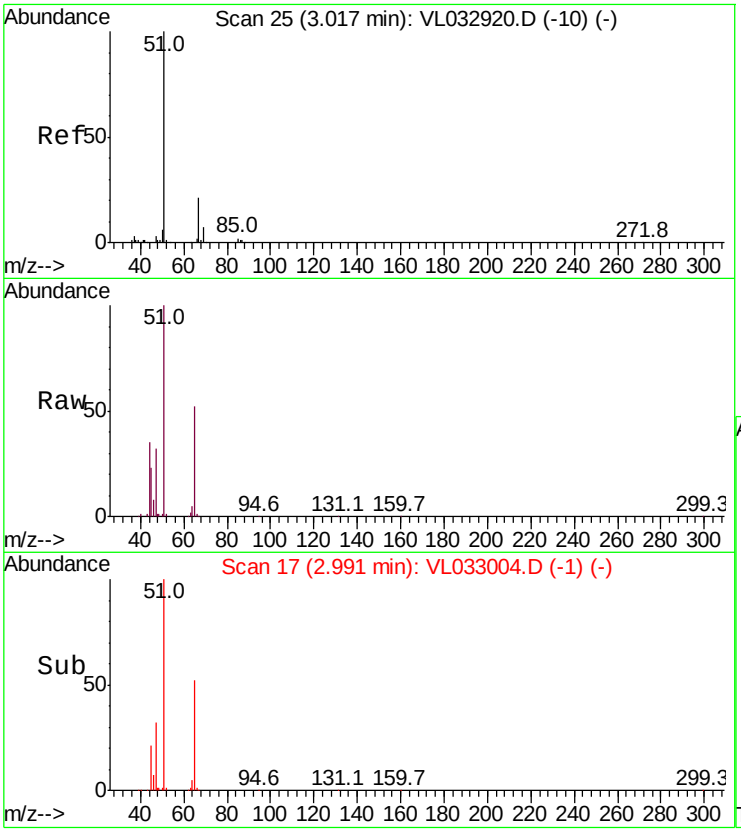


#2
Dichlorodifluoromethane
Concen: 0.578 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 85 Resp: 83541

Ion	Ratio	Lower	Upper
85	100		
87	32.4	25.7	38.5



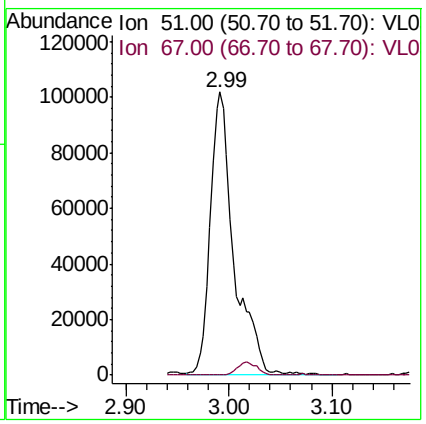


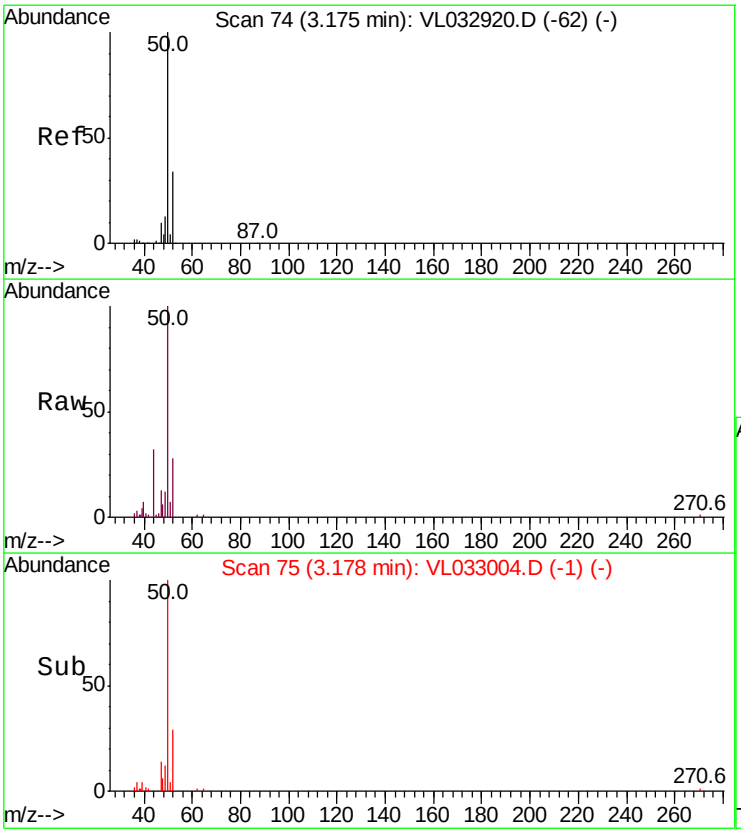
#3
Chlorodifluoromethane
Concen: 1.968 ppbv
RT: 2.99 min Scan# 17
Delta R.T. -0.03 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 161282

Ion	Ratio	Lower	Upper
51	100		
67	3.9	16.8	25.2#

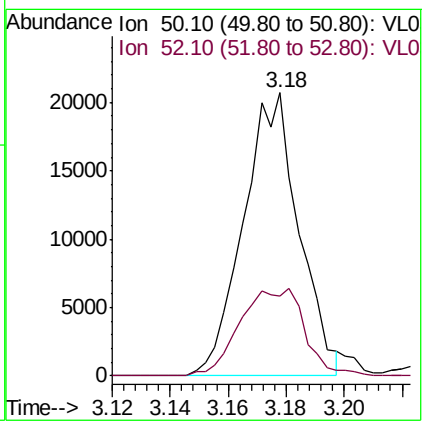


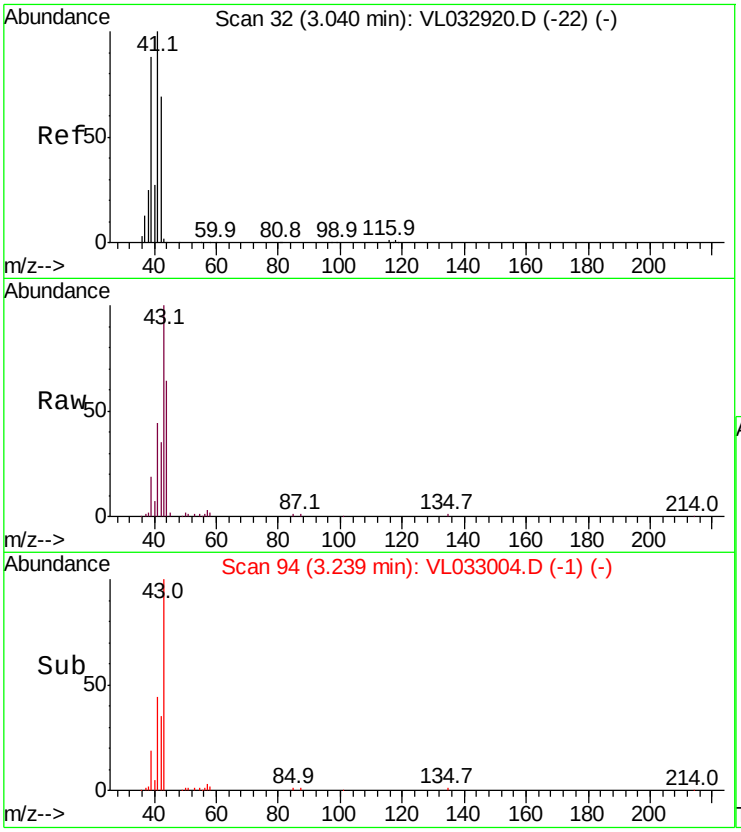


#4
Chloromethane
Concen: 0.578 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 50 Resp: 27559

Ion	Ratio	Lower	Upper
50	100		
52	28.4	27.3	40.9



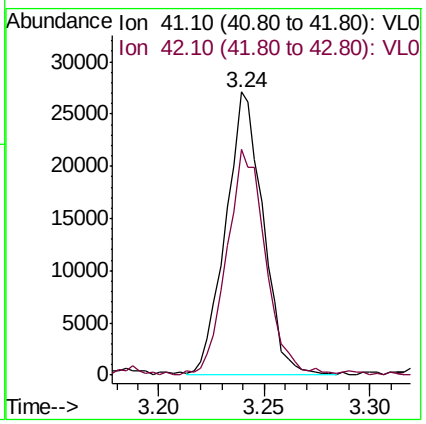


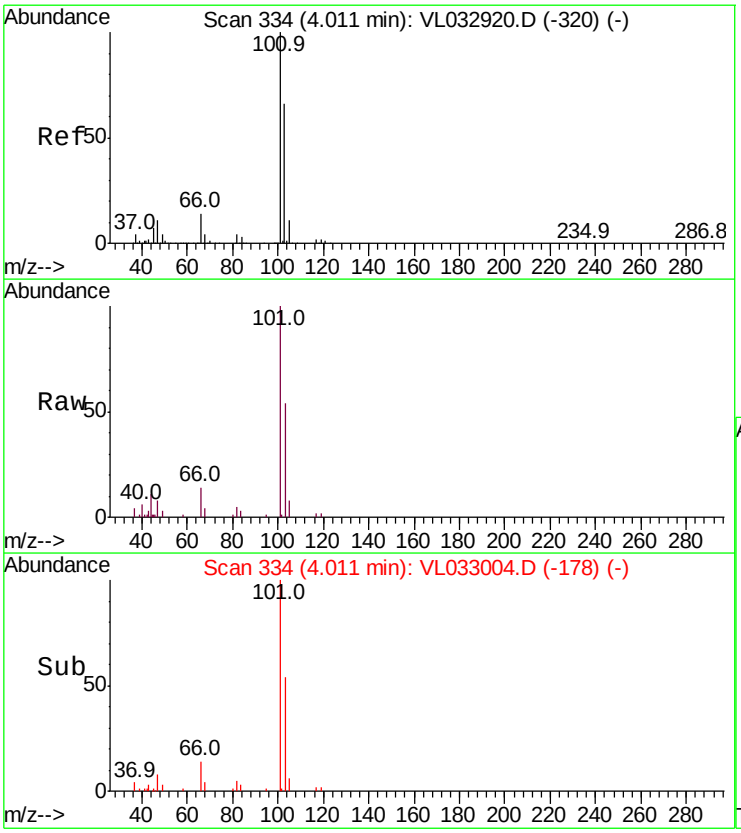
#9
Propene
Concen: 1.030 ppbv
RT: 3.24 min Scan# 94
Delta R.T. 0.20 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 33376

Ion	Ratio	Lower	Upper
41	100		
42	83.6	56.2	84.2

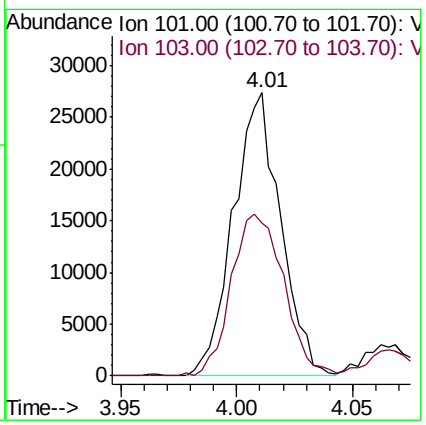


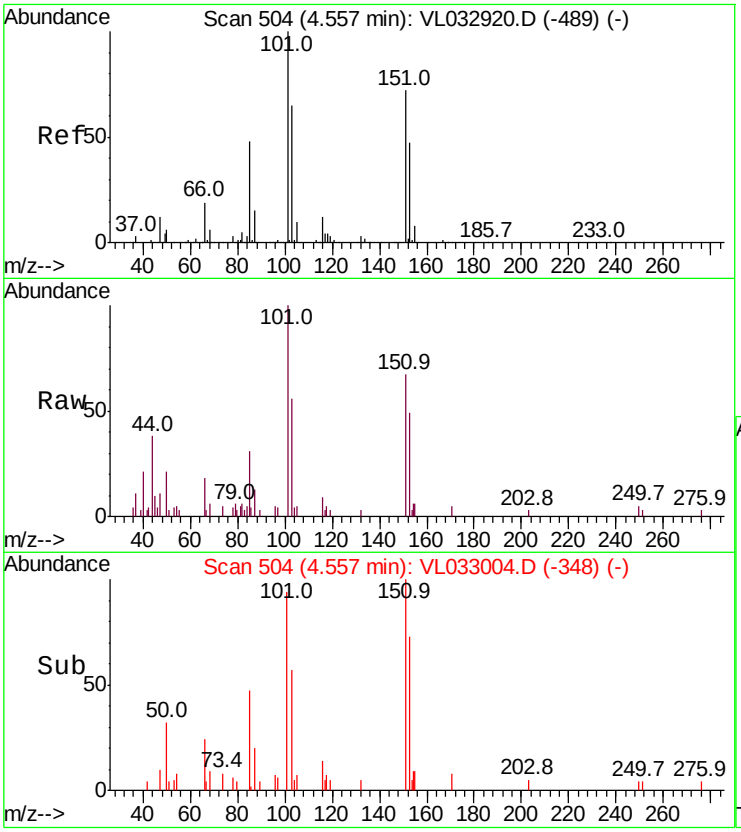


#11
Trichlorofluoromethane
Concen: 0.285 ppbv
RT: 4.01 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion:101 Resp: 38804

Ion	Ratio	Lower	Upper
101	100		
103	53.1	52.7	79.1



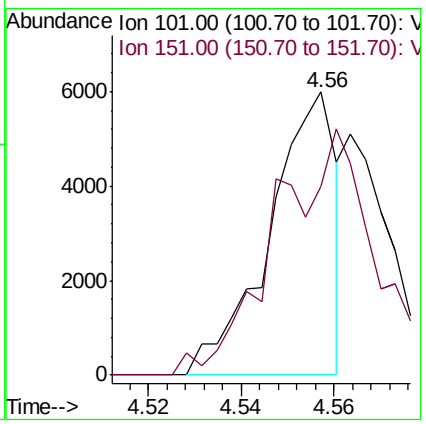


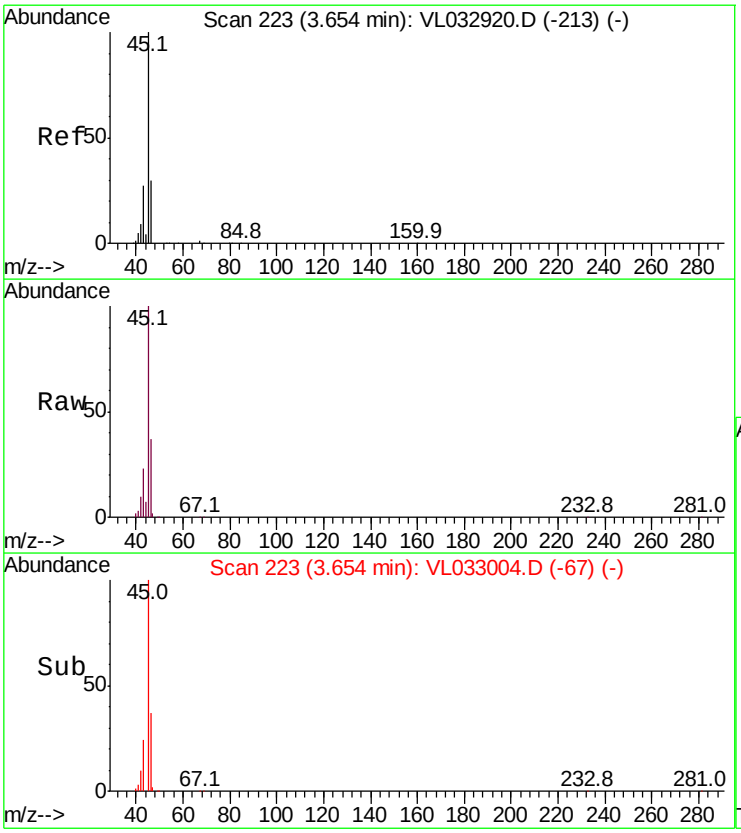
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.051 ppbv
RT: 4.56 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 5940

Ion	Ratio	Lower	Upper
101	100		
151	0.0	59.3	88.9#

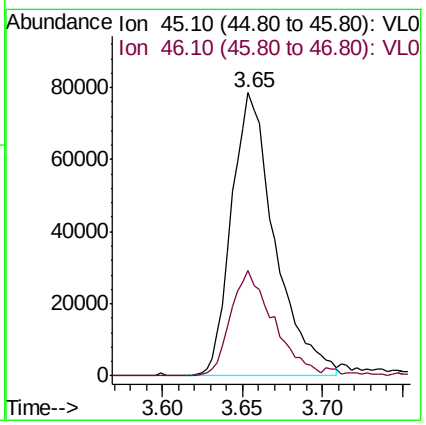


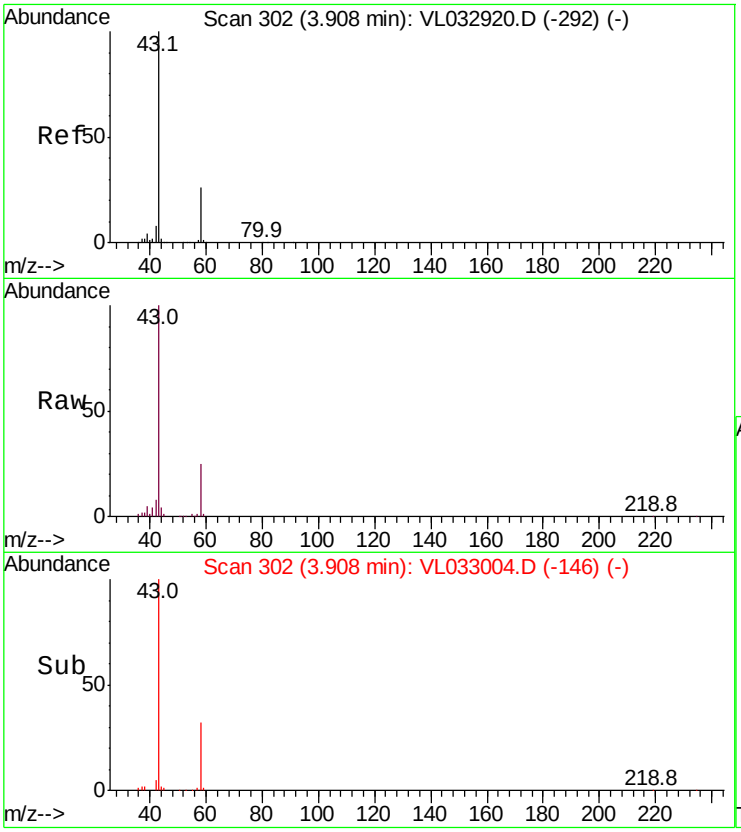


#13
Ethanol
Concen: 13.034 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 45 Resp: 145409

Ion	Ratio	Lower	Upper
45	100		
46	38.5	13.8	55.4



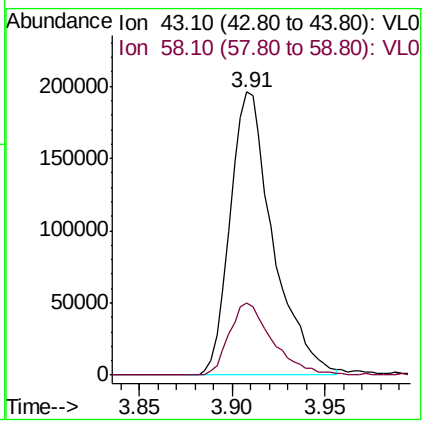


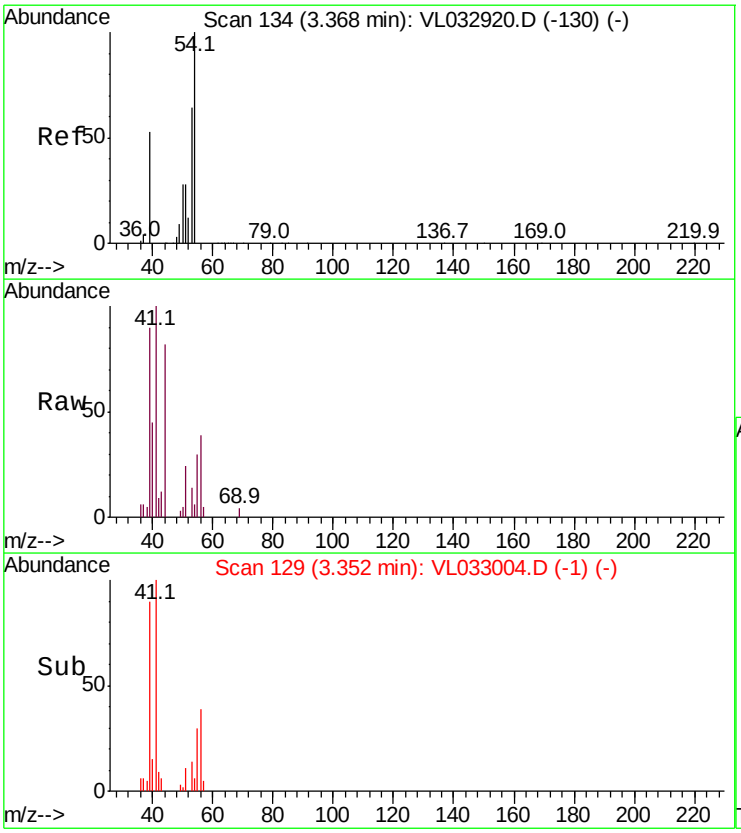
#15
Acetone
Concen: 3.397 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 315453

Ion	Ratio	Lower	Upper
43	100		
58	26.1	20.6	30.8

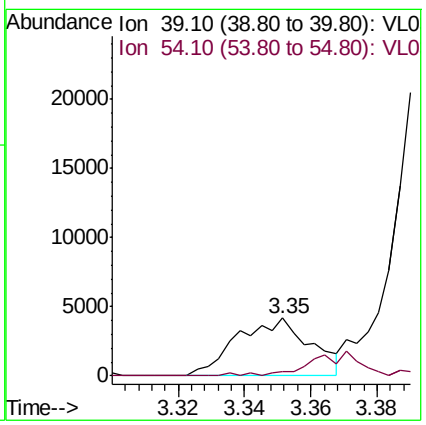


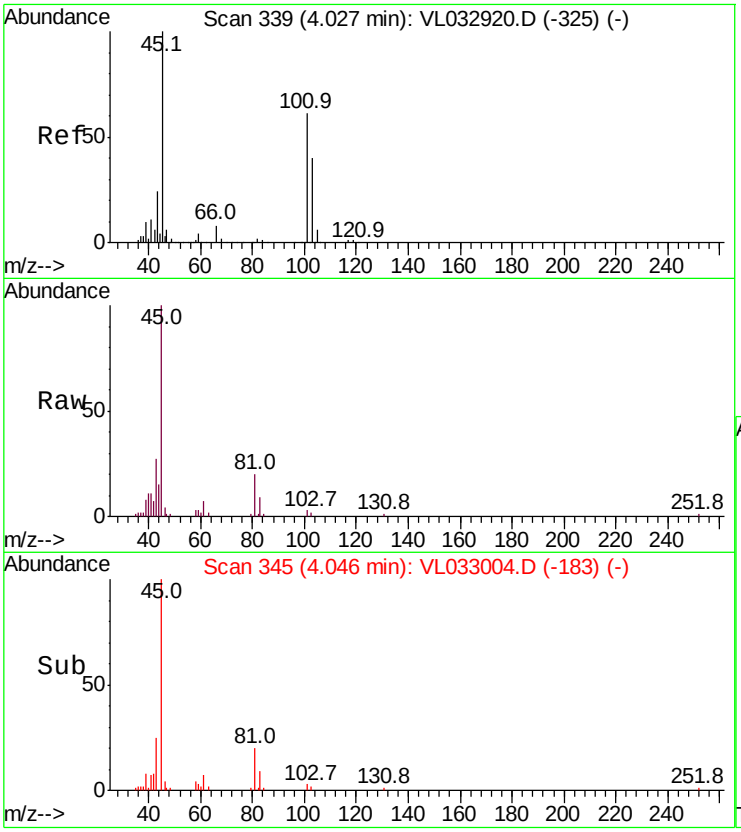


#16
1,3-Butadiene
Concen: 0.175 ppbv
RT: 3.35 min Scan# 129
Delta R.T. -0.02 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 39 Resp: 6461

Ion	Ratio	Lower	Upper
39	100		
54	27.5	72.7	109.1#



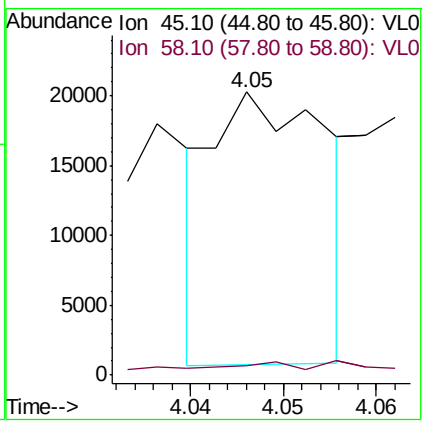


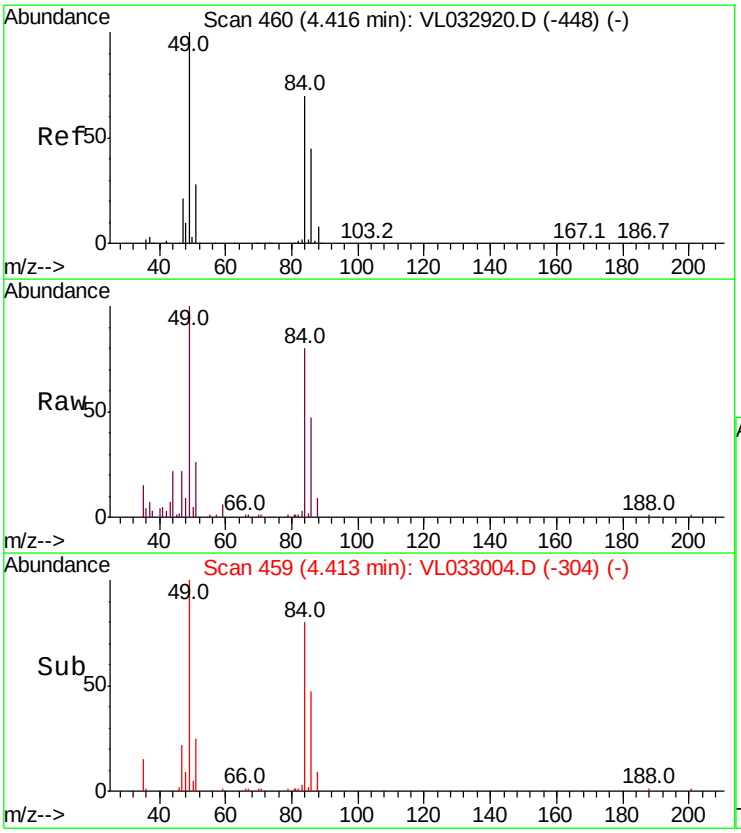
#19
Isopropyl Alcohol
Concen: 0.285 ppbv
RT: 4.05 min Scan# 345
Delta R.T. 0.02 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 16610

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

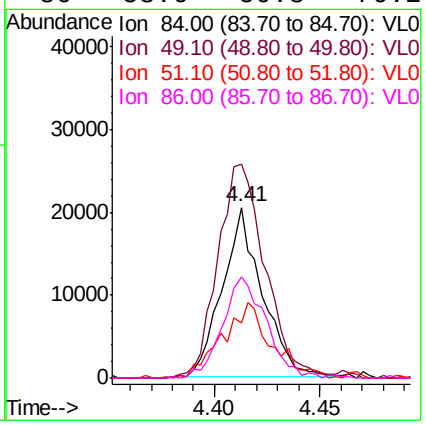


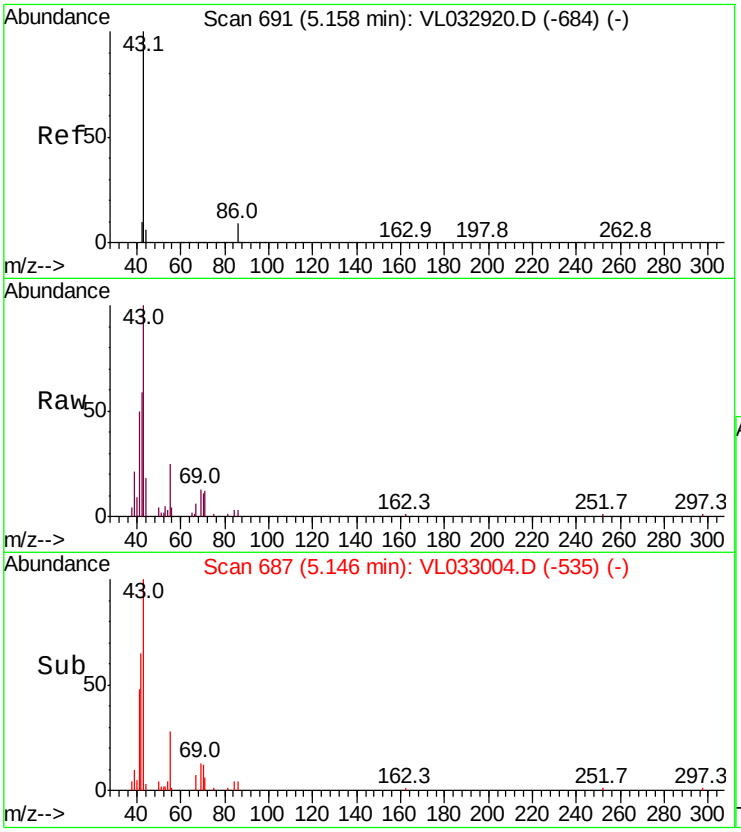


#20
Methylene Chloride
Concen: 0.583 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 84 Resp: 26475

Ion	Ratio	Lower	Upper
84	100		
49	124.0	113.8	170.8
51	31.7	31.8	47.8#
86	58.6	50.8	76.2



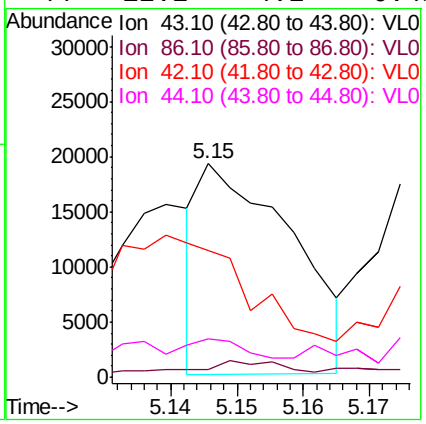


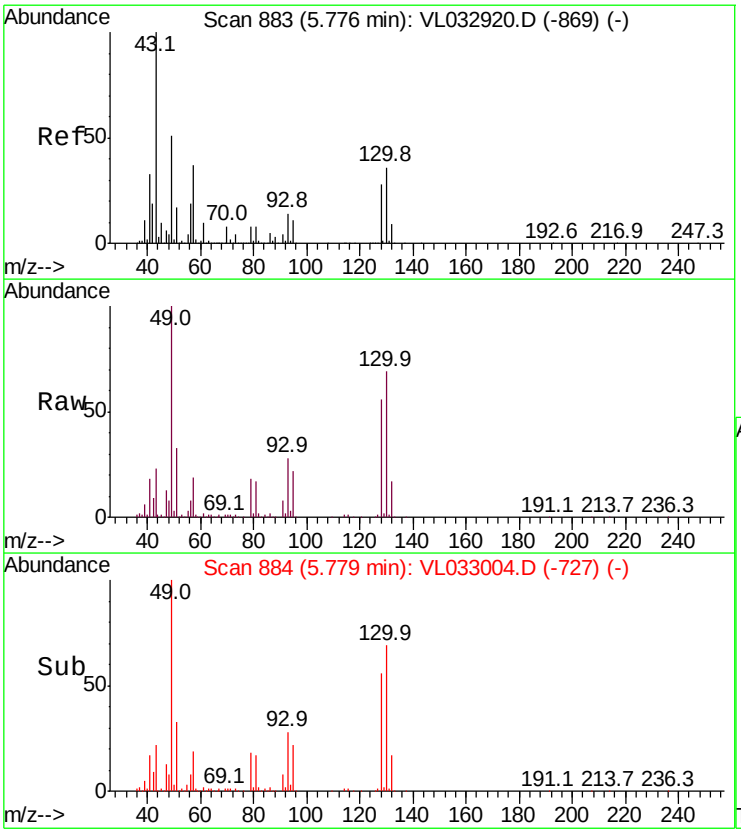
#23
Vinyl Acetate
Concen: 0.118 ppbv
RT: 5.15 min Scan# 687
Delta R.T. -0.01 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 18509

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.6	9.8#
42	67.8	8.3	12.5#
44	12.2	4.2	6.4#

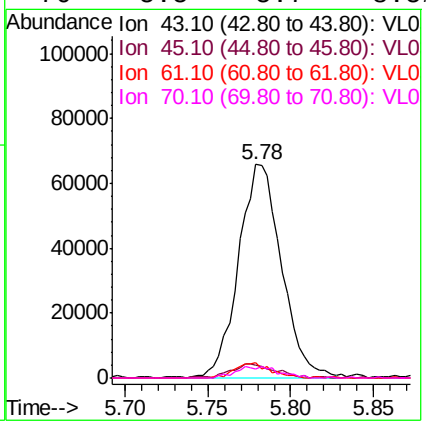


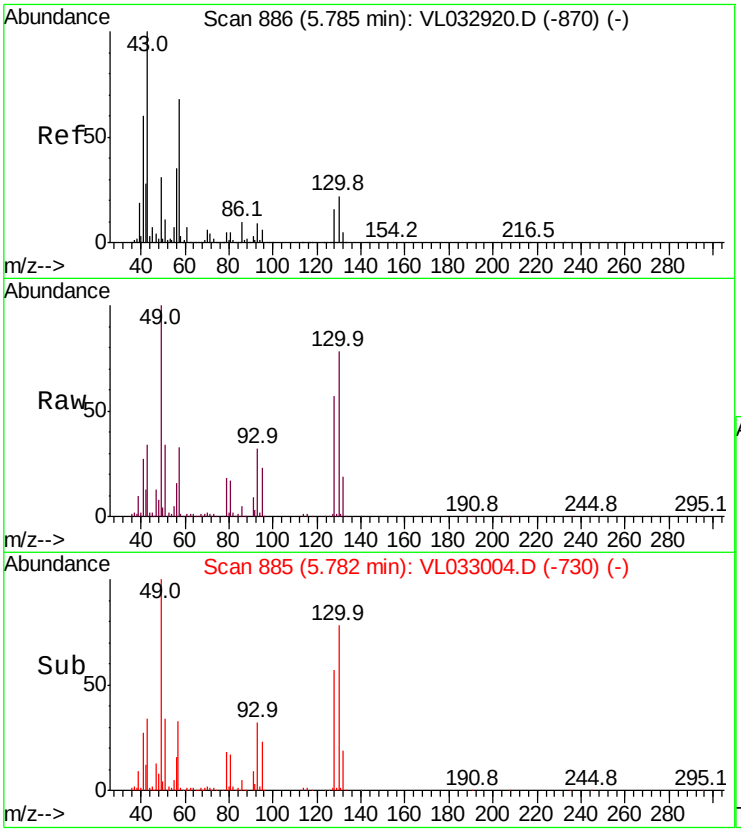


#25
Ethyl Acetate
Concen: 0.539 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 43 Resp: 118305

Ion	Ratio	Lower	Upper
43	100		
45	7.0	7.8	11.6#
61	6.2	7.4	11.2#
70	5.5	5.7	8.5#



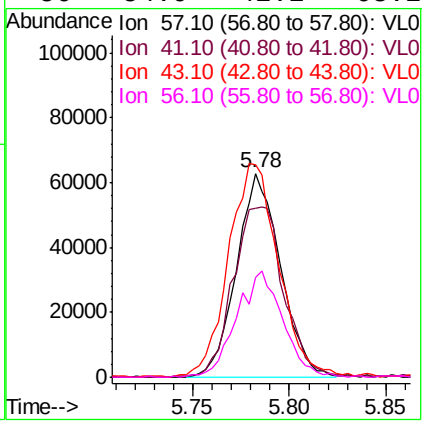


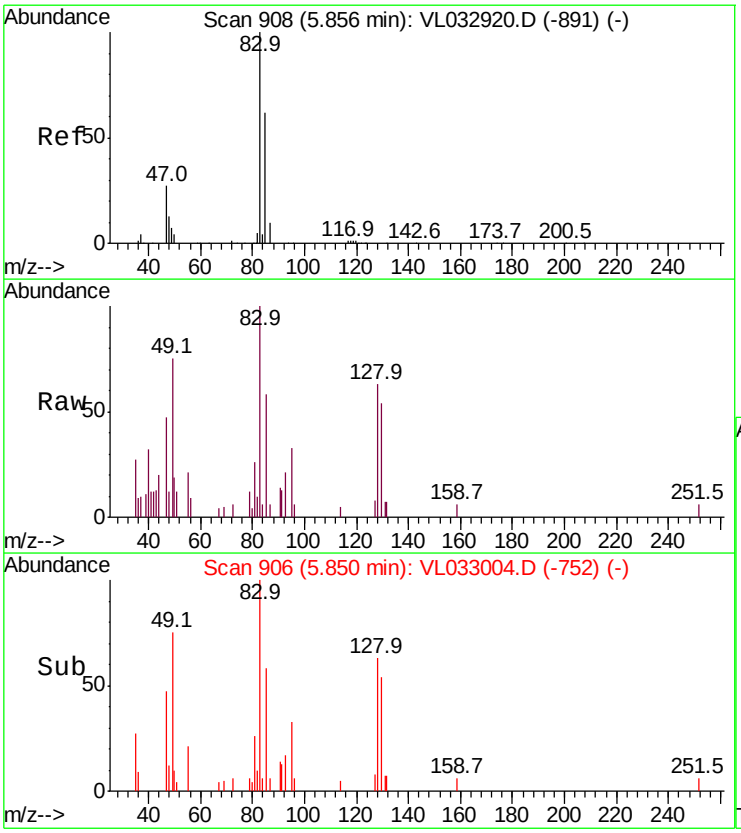
#26
Hexane
Concen: 0.979 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 99114

Ion	Ratio	Lower	Upper
57	100		
41	96.4	72.2	108.2
43	120.0	171.9	257.9#
56	54.9	42.2	63.2

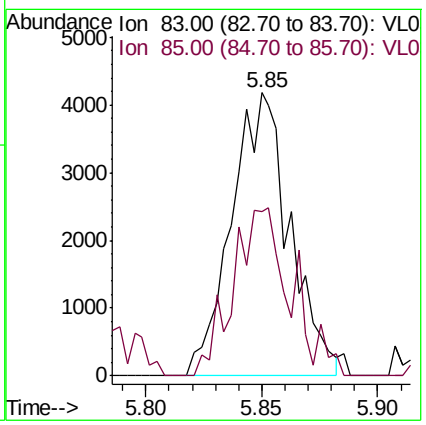


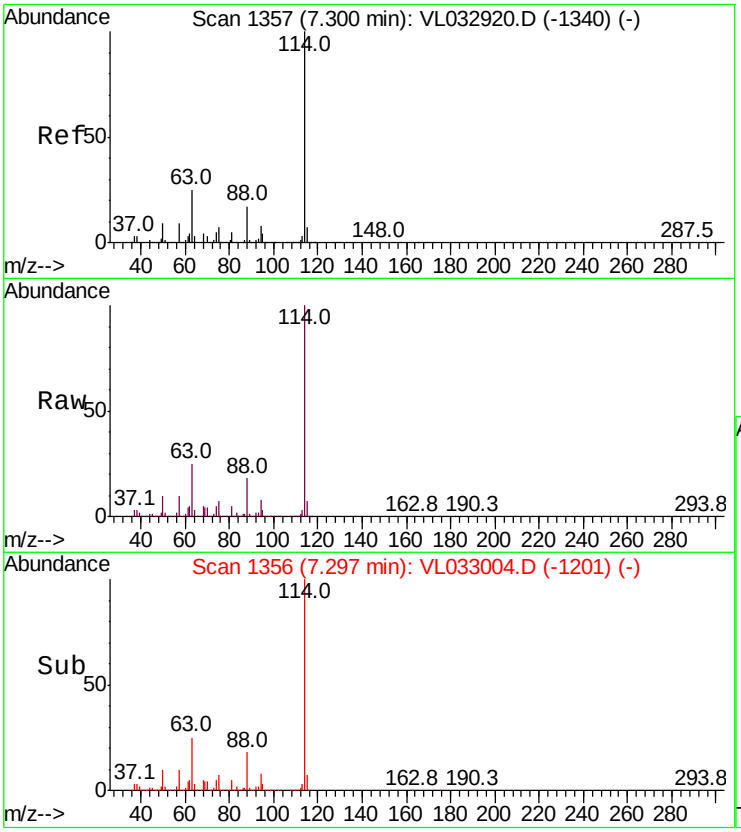


#29
Chloroform
Concen: 0.040 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.01 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 83 Resp: 7301

Ion	Ratio	Lower	Upper
83	100		
85	53.0	49.8	74.8



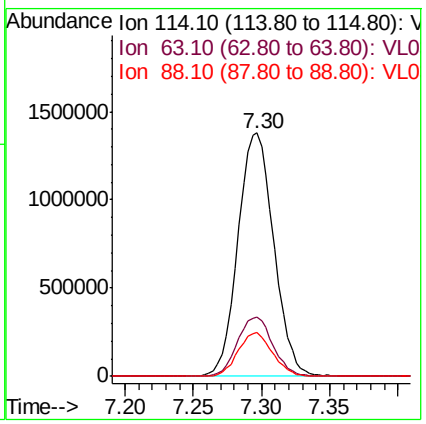


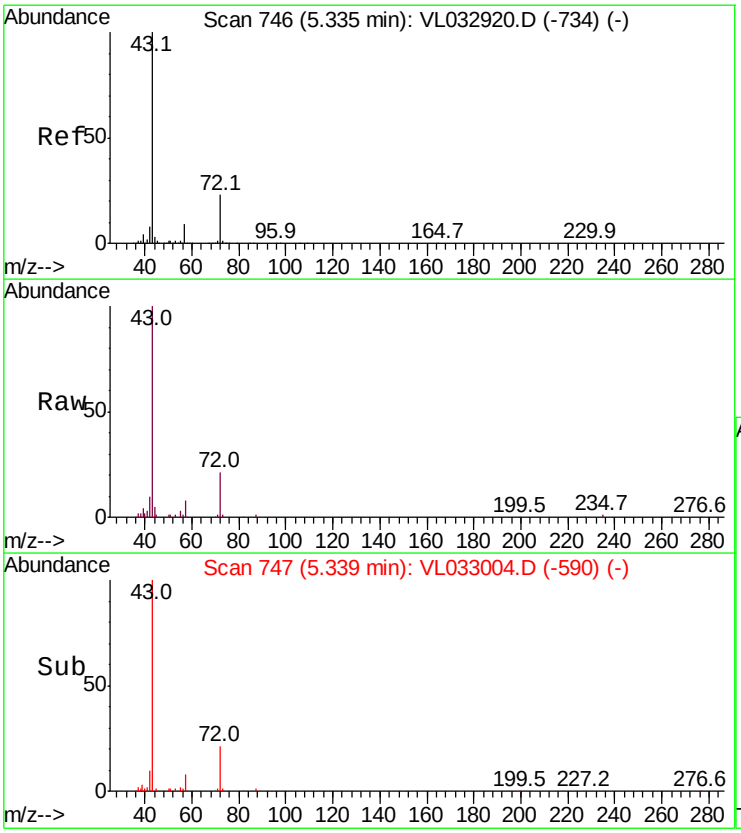
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2510938

Ion	Ratio	Lower	Upper
114	100		
63	24.4	20.1	30.1
88	17.4	14.2	21.4

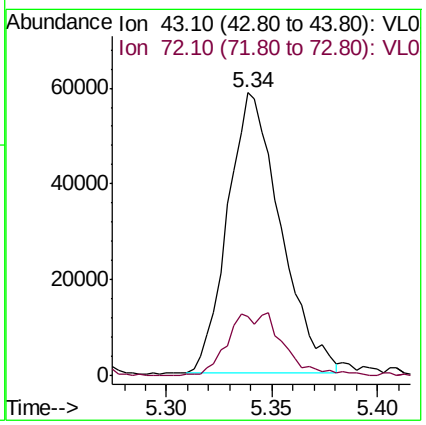


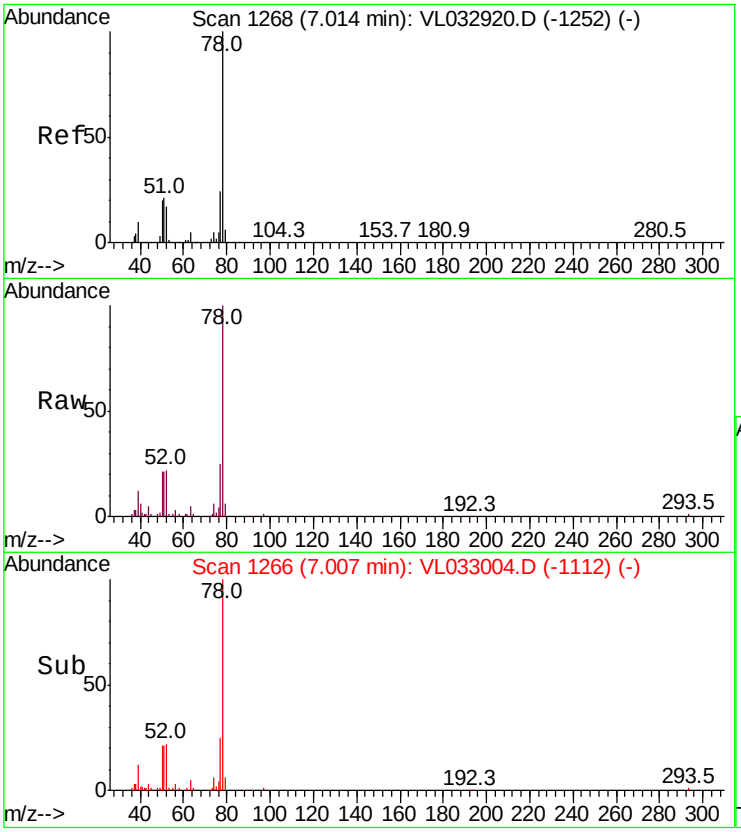


#34
2-Butanone
Concen: 0.934 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 43 Resp: 102103

Ion	Ratio	Lower	Upper
43	100		
72	24.1	18.8	28.2

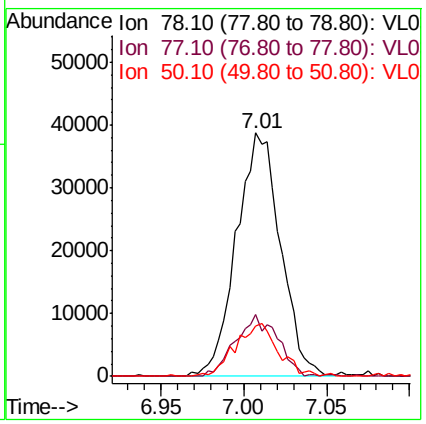




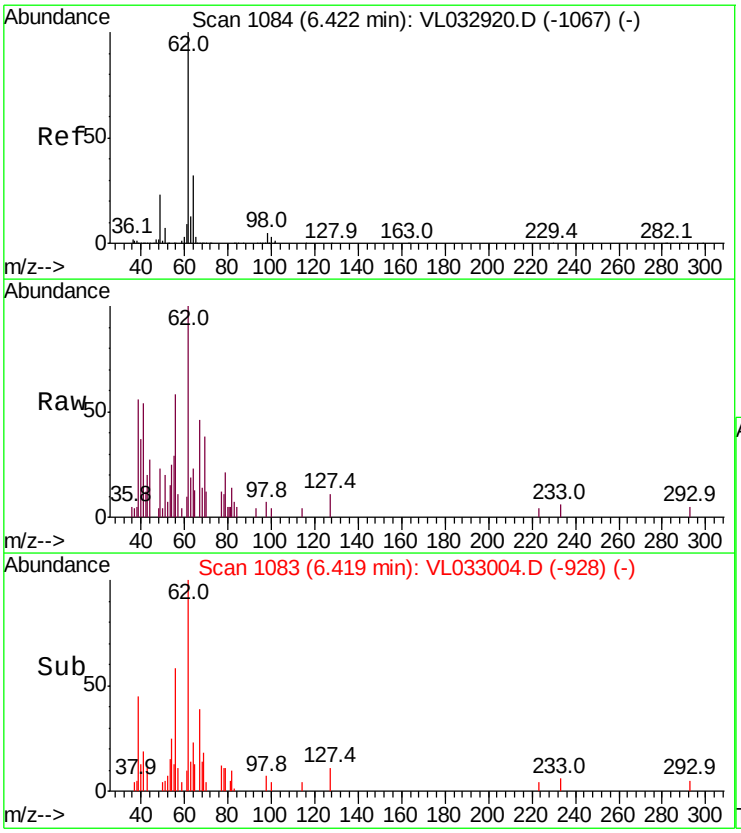
#36
Benzene
Concen: 0.387 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 78 Resp: 71460

Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.9	28.3
50	20.7	16.1	24.1



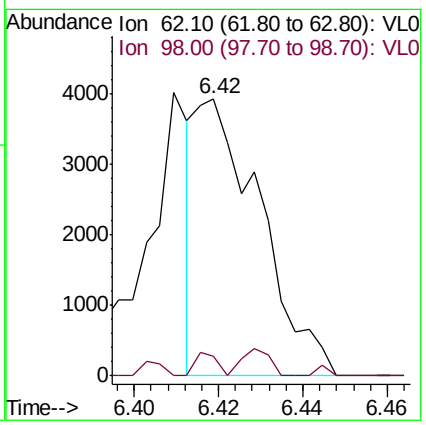
Instrument :
MSVOA_L
ClientSampleId :

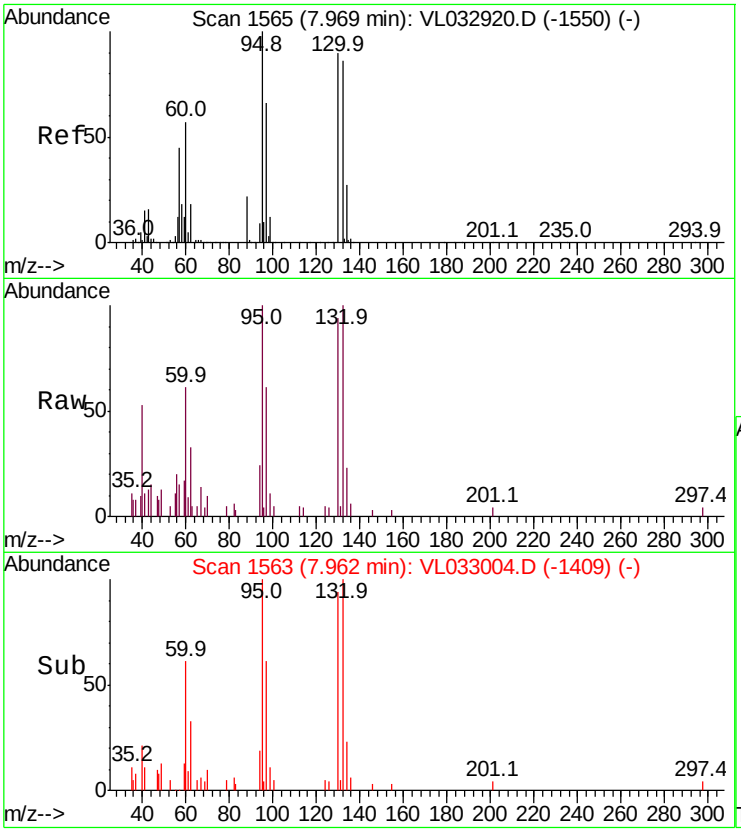


#37
1,2-Dichloroethane
Concen: 0.033 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 62 Resp: 4141

Ion	Ratio	Lower	Upper
62	100		
98	5.0	4.3	6.5



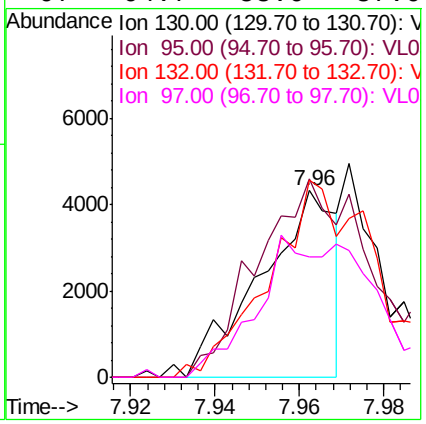


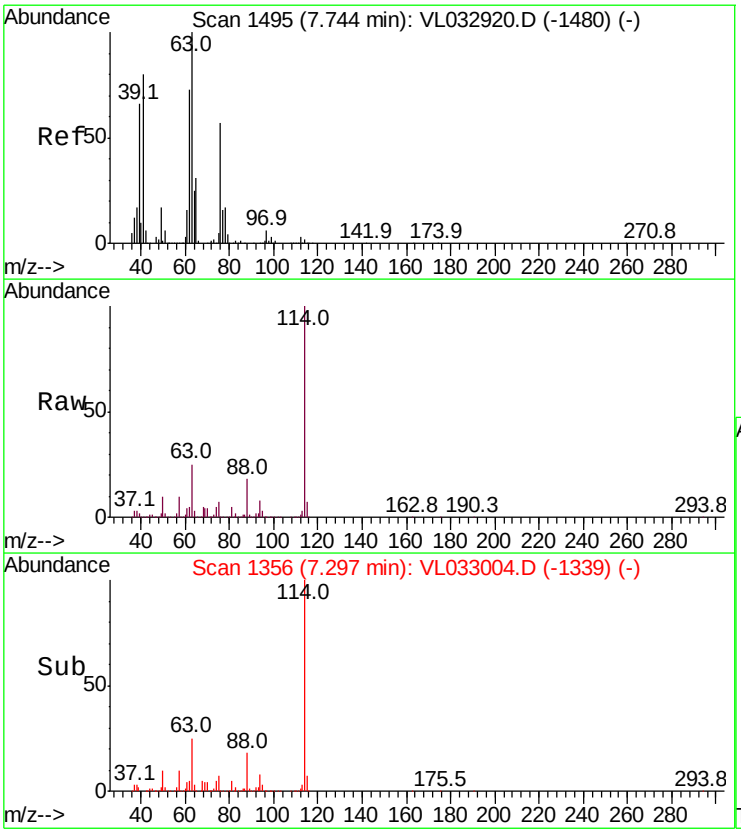
#38
Trichloroethene
Concen: 0.069 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 5315

Ion	Ratio	Lower	Upper
130	100		
95	106.2	88.6	132.8
132	98.7	76.1	114.1
97	64.7	58.0	87.0

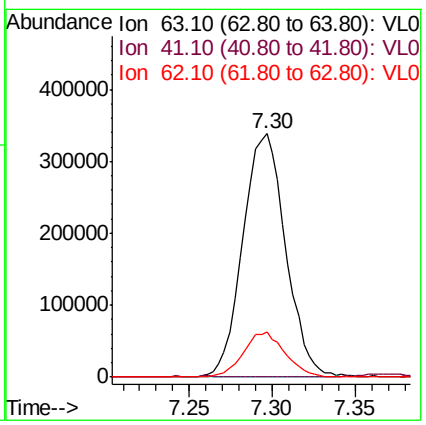


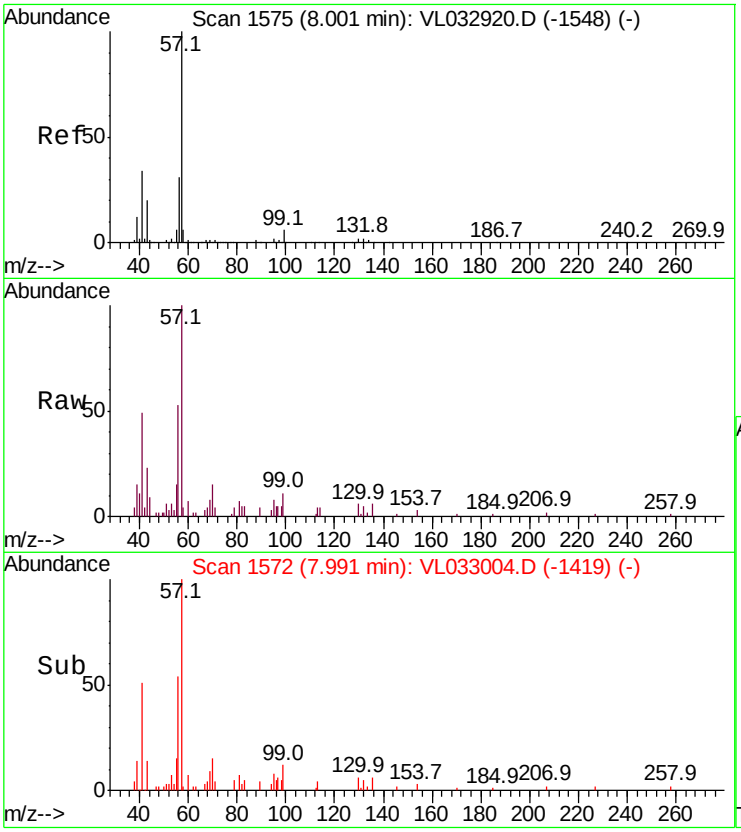


#39
1,2-Dichloropropane
Concen: 8.687 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.45 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 63 Resp: 608421

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.9	95.9#
62	18.7	58.8	88.2#



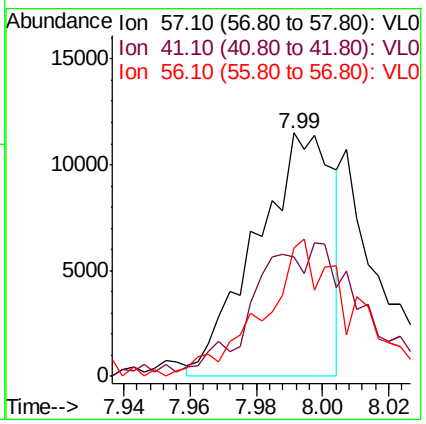


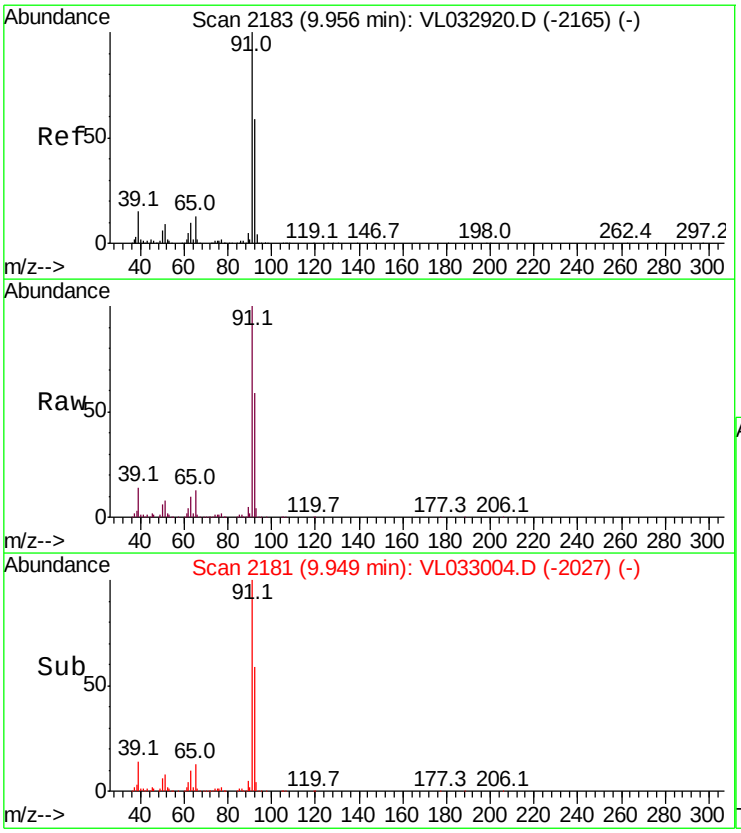
#44
2,2,4-Trimethylpentane
Concen: 0.059 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 18502

Ion	Ratio	Lower	Upper
57	100		
41	84.9	27.0	40.4#
56	71.0	24.6	37.0#

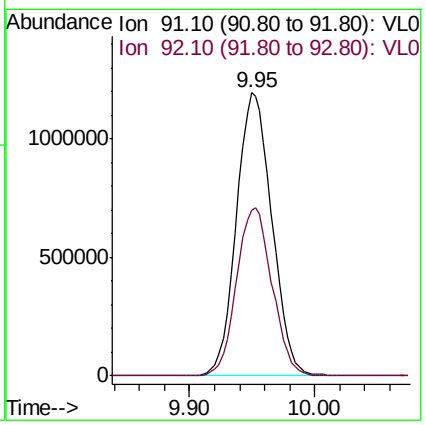


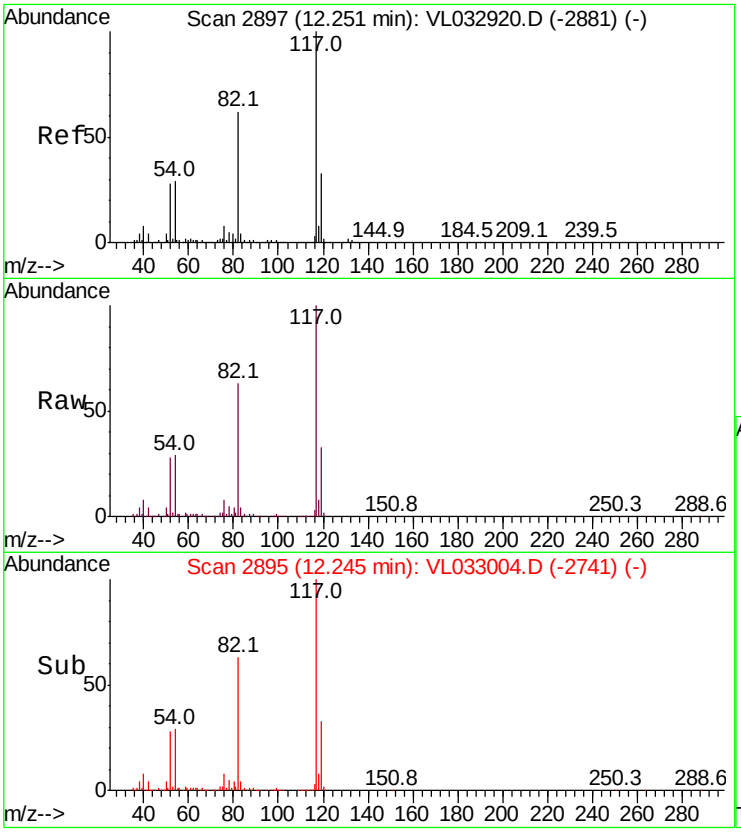


#53
Toluene
Concen: 11.952 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 91 Resp: 2341140

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.4	71.0



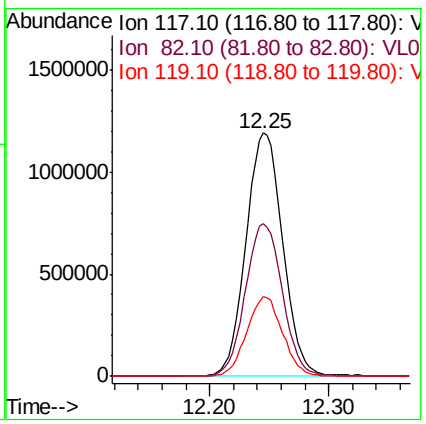


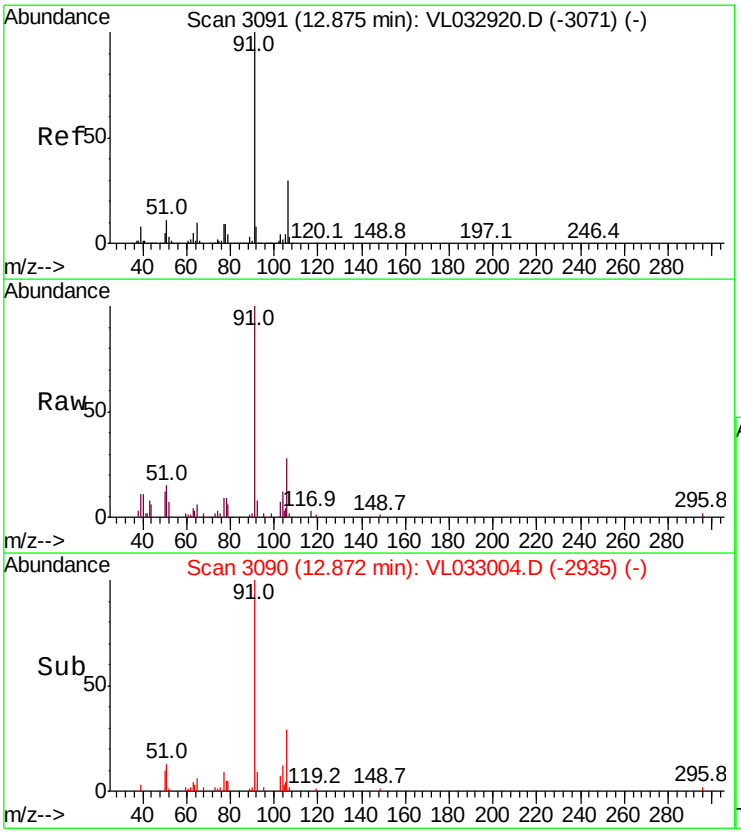
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2548306

Ion	Ratio	Lower	Upper
117	100		
82	63.2	47.8	71.8
119	32.0	43.1	64.7#

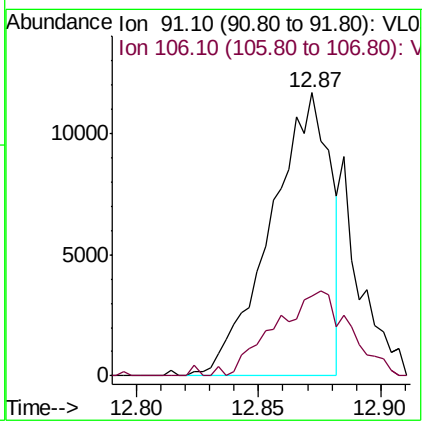


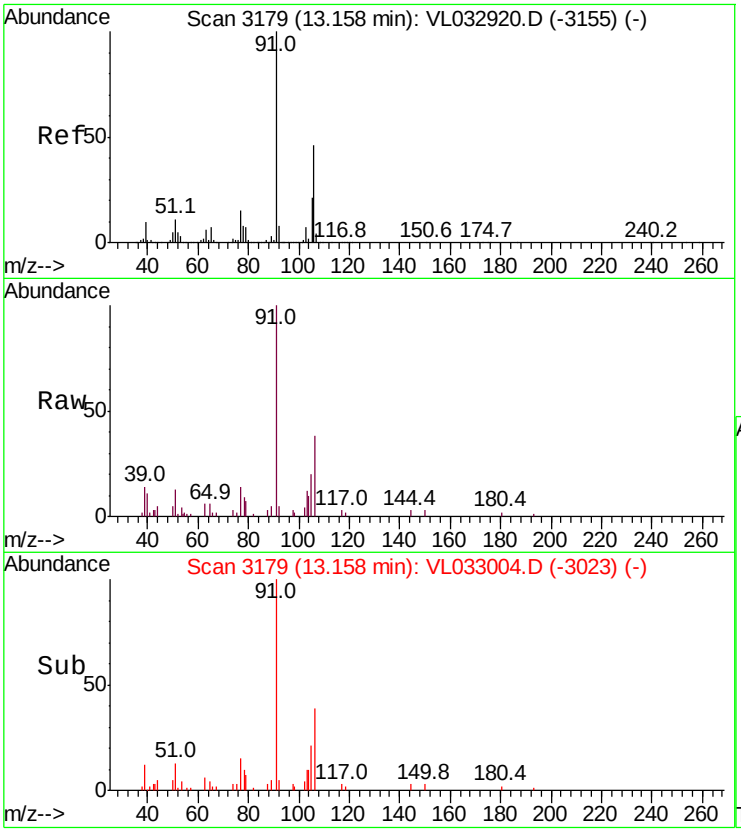


#58
Ethyl Benzene
Concen: 0.073 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 91 Resp: 19777

Ion	Ratio	Lower	Upper
91	100		
106	28.2	23.9	35.9



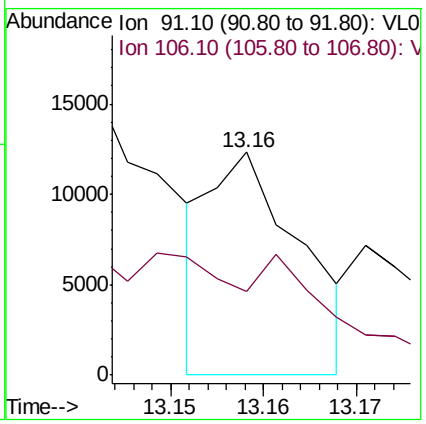


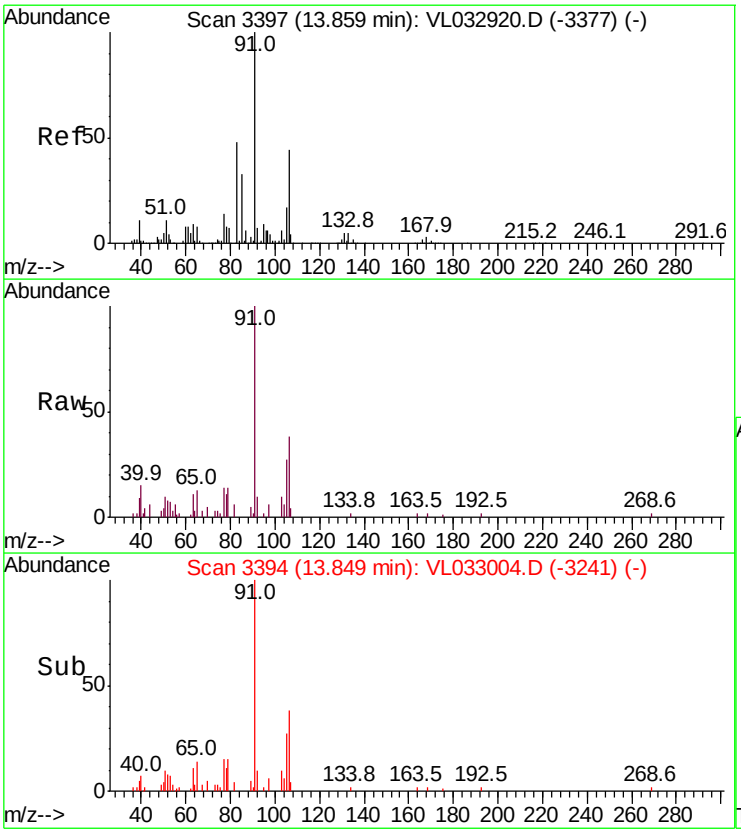
#59
m/p-Xylene
Concen: 0.034 ppbv
RT: 13.16 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 8354

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

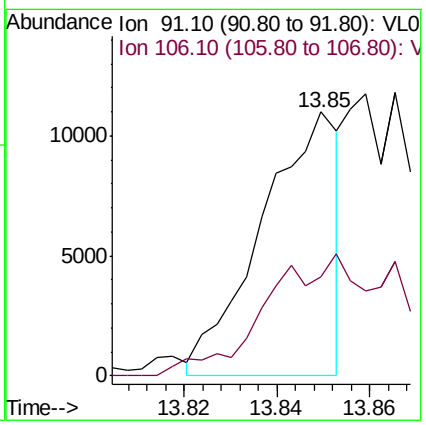


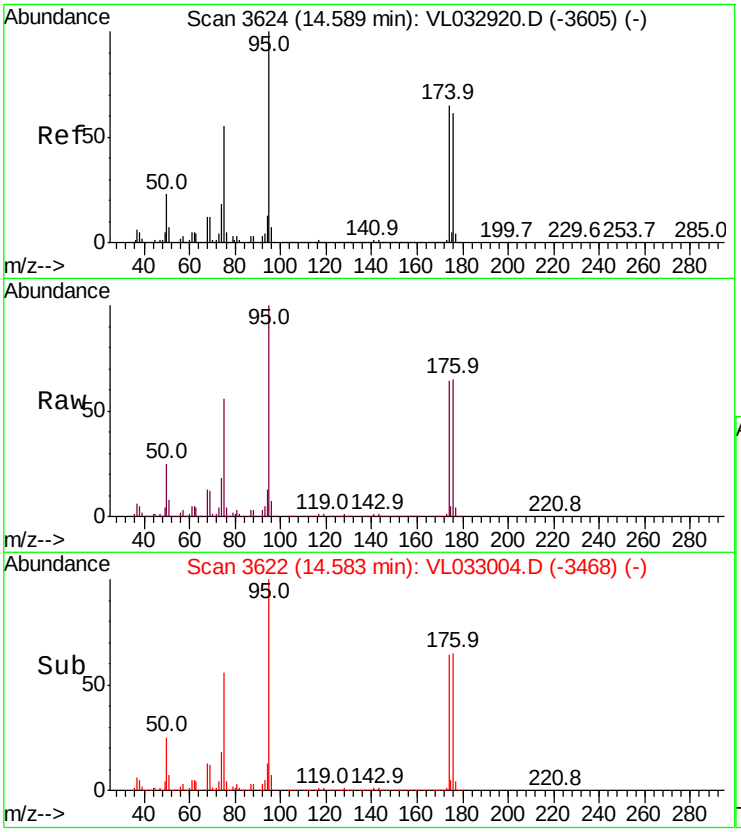


#60
o-Xylene
Concen: 0.051 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 91 Resp: 12616

Ion	Ratio	Lower	Upper
91	100		
106	95.1	21.9	65.8#



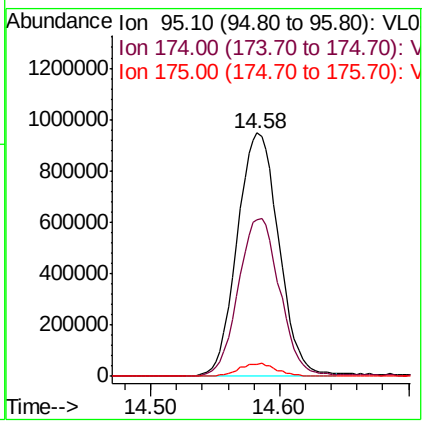


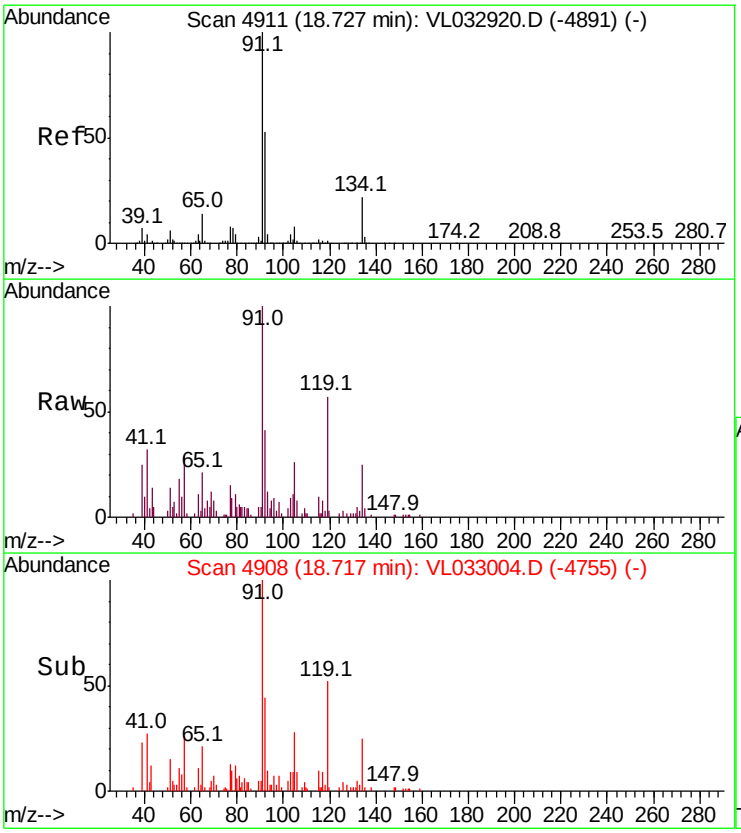
#68
1-Bromo-4-Fluorobenzene
Concen: 11.287 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2124873

Ion	Ratio	Lower	Upper
95	100		
174	66.0	51.4	77.0
175	4.9	3.8	5.6

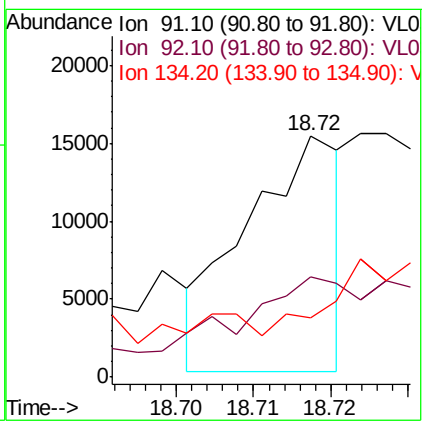


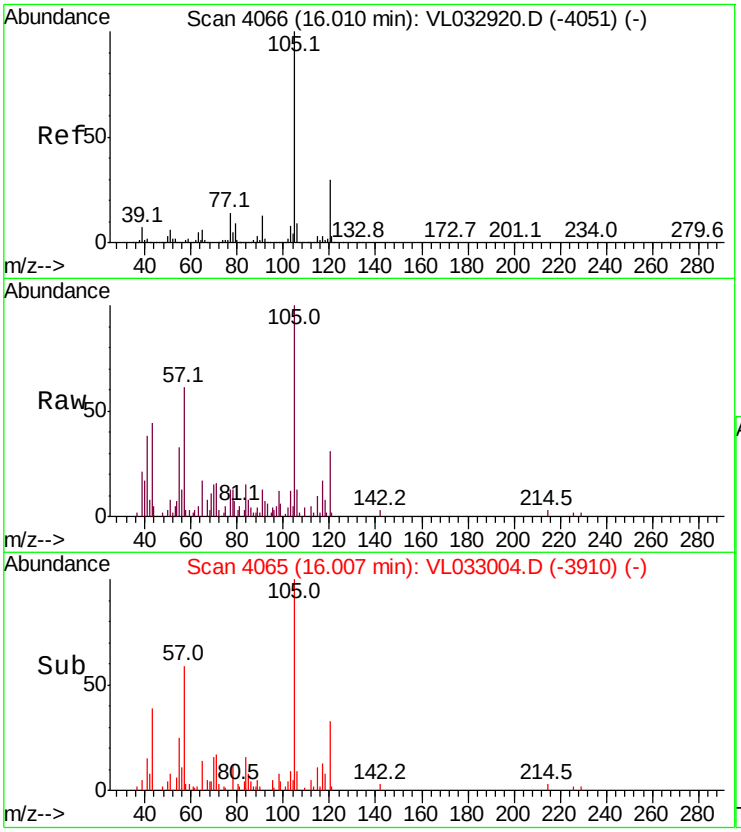


#70
n-Butylbenzene
Concen: 0.037 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.01 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion: 91 Resp: 12974

Ion	Ratio	Lower	Upper
91	100		
92	130.9	42.7	64.1#
134	0.0	18.0	27.0#



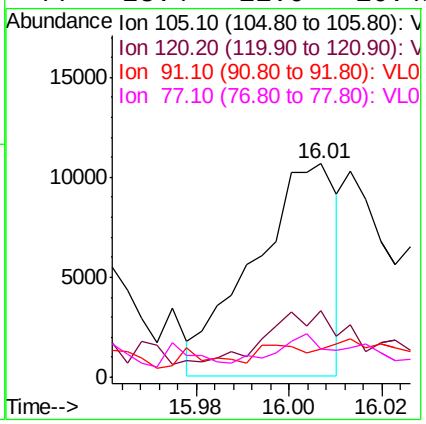


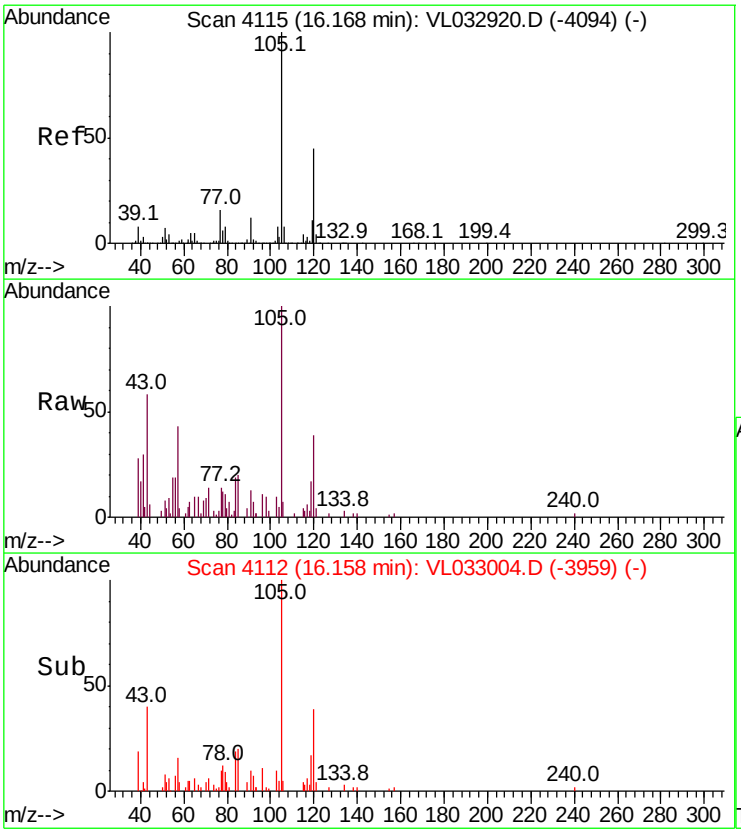
#72
4-Ethyltoluene
Concen: 0.047 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 13133

Ion	Ratio	Lower	Upper
105	100		
120	51.1	23.0	34.4#
91	0.0	10.4	15.6#
77	23.4	11.0	16.4#

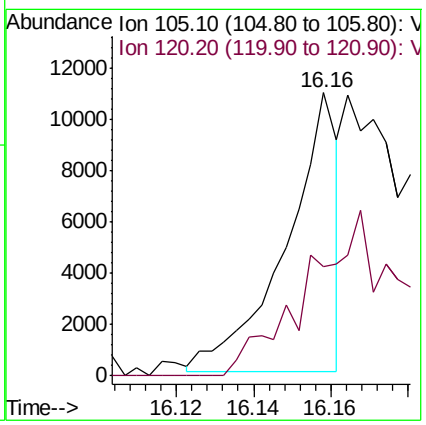


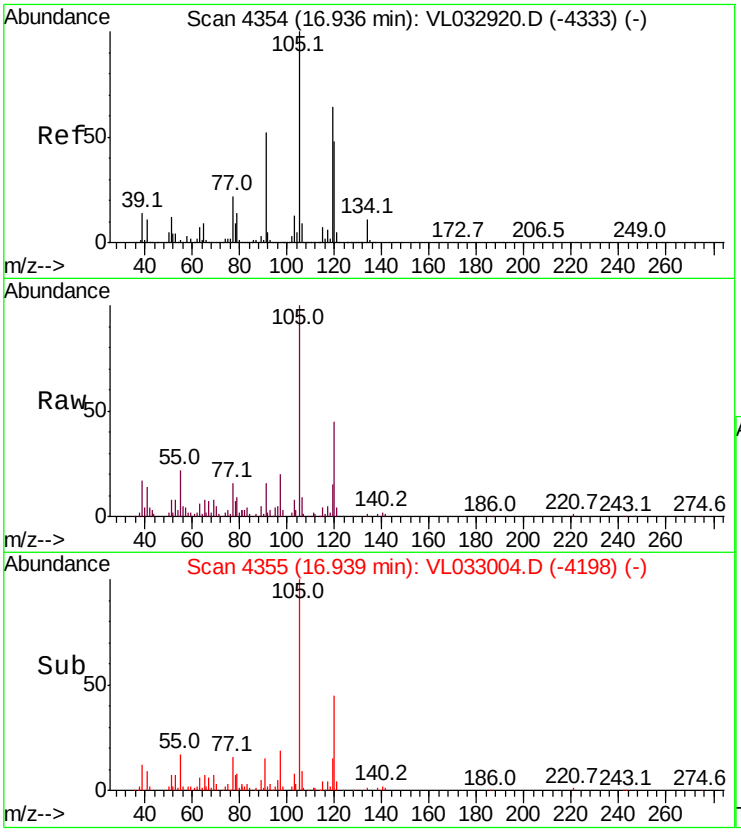


#73
1,3,5-Trimethylbenzene
Concen: 0.037 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.01 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion:105 Resp: 10029

Ion	Ratio	Lower	Upper
105	100		
120	38.3	36.0	54.0



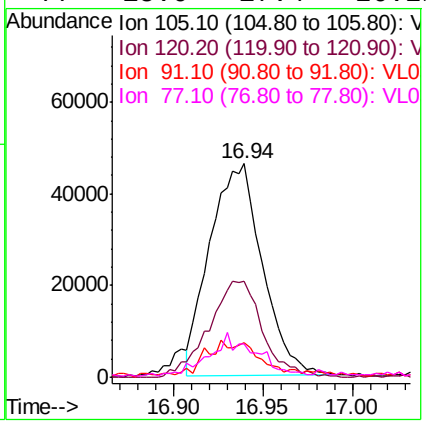


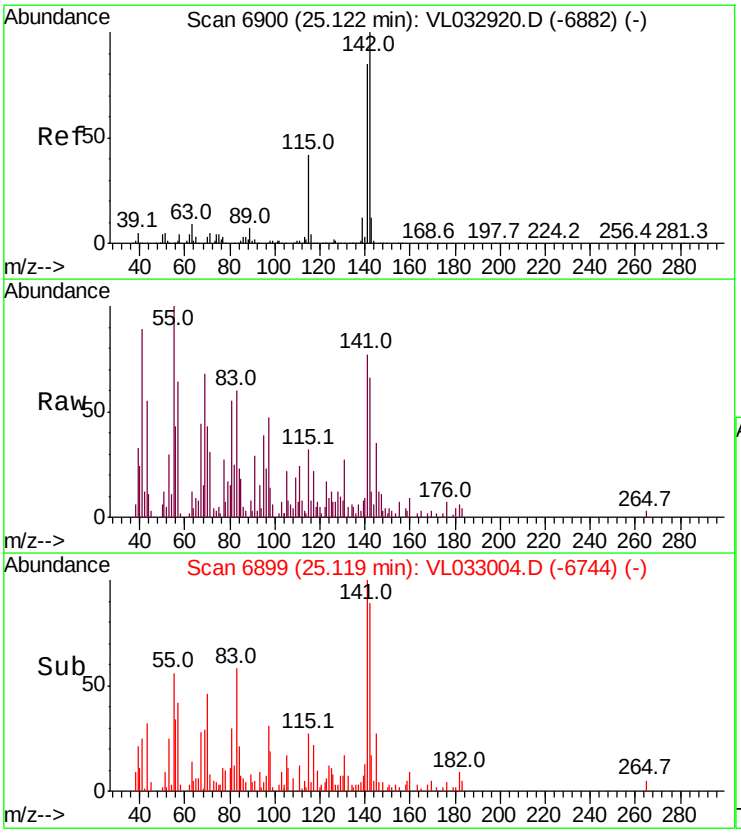
#74
1,2,4-Trimethylbenzene
Concen: 0.308 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. 0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 94367

Ion	Ratio	Lower	Upper
105	100		
120	45.3	38.6	58.0
91	15.4	41.7	62.5#
77	15.0	17.4	26.2#





#80
Naphthalene,2-methyl-
Concen: 0.419 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL033004.D
Acq: 17 Dec 2018 20:33

Tgt Ion:142 Resp: 17697

Ion	Ratio	Lower	Upper
142	100		
141	92.4	68.2	102.2
115	160.9	35.1	52.7#