Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080118\
Data File : VL032336.D
Acq On : 1 Aug 2018 23:58
Operator : SY/AP
Sample : J4235-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Aug 02 00:48:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 27 07:05:37 2018
QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.82	49	1739262	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.36	114	4203128	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.32	117	4161391	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.65	95	3351141	10.37	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.11	85	42080	0.201	ppbv		99
3) Chlorodifluoromethane	3.05	51	101626	0.584	ppbv		94
4) Chloromethane	3.21	50	61052	0.580	ppbv		97
9) Propene	3.08	41	63185	0.808	ppbv		89
10) Heptane	8.31	43	10807	0.039	ppbv	#	1
11) Trichlorofluoromethane	4.06	101	52633	0.263	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	4.61	101	11020	0.081	ppbv		99
13) Ethanol	3.70	45	118422	5.270	ppbv		98
15) Acetone	3.95	43	853684	5.208	ppbv		97
17) tert-Butyl alcohol	4.42	59	3977	0.076	ppbv	#	73
19) Isopropyl Alcohol	4.09	45	63900	0.584	ppbv	#	95
20) Methylene Chloride	4.46	84	165161	2.507	ppbv		91
23) Vinyl Acetate	5.20	43	72865	0.248	ppbv	#	49
25) Ethyl Acetate	5.84	43	586202	1.594	ppbv	#	78
26) Hexane	5.84	57	793998	4.770	ppbv	#	43
29) Chloroform	5.91	83	13189	0.054	ppbv	#	80
30) Cyclohexane	7.31	84	5932	0.046	ppbv	#	1
34) 2-Butanone	5.40	43	79897	0.294	ppbv		98
35) Carbon Tetrachloride	7.20	117	11272	0.047	ppbv		92
36) Benzene	7.07	78	75504	0.204	ppbv	#	90
39) 1,2-Dichloropropane	7.36	63	1177627	6.318	ppbv	#	26
41) Tetrahydrofuran	5.84	42	316548	2.057	ppbv	#	52
44) 2,2,4-Trimethylpentane	8.07	57	107182	0.133	ppbv	#	74
53) Toluene	10.02	91	190753	0.431	ppbv		98
58) Ethyl Benzene	12.94	91	21196	0.041	ppbv		100
59) m/p-Xylene	13.21	91	120503	0.271	ppbv	#	31
60) o-Xylene	13.92	91	139637	0.321	ppbv		97
61) Styrene	13.76	104	18009	0.056	ppbv	#	40
72) 4-Ethyltoluene	16.07	105	23060	0.047	ppbv	#	29
73) 1,3,5-Trimethylbenzene	16.24	105	17650	0.037	ppbv		87
74) 1,2,4-Trimethylbenzene	17.01	105	124673	0.246	ppbv	#	70

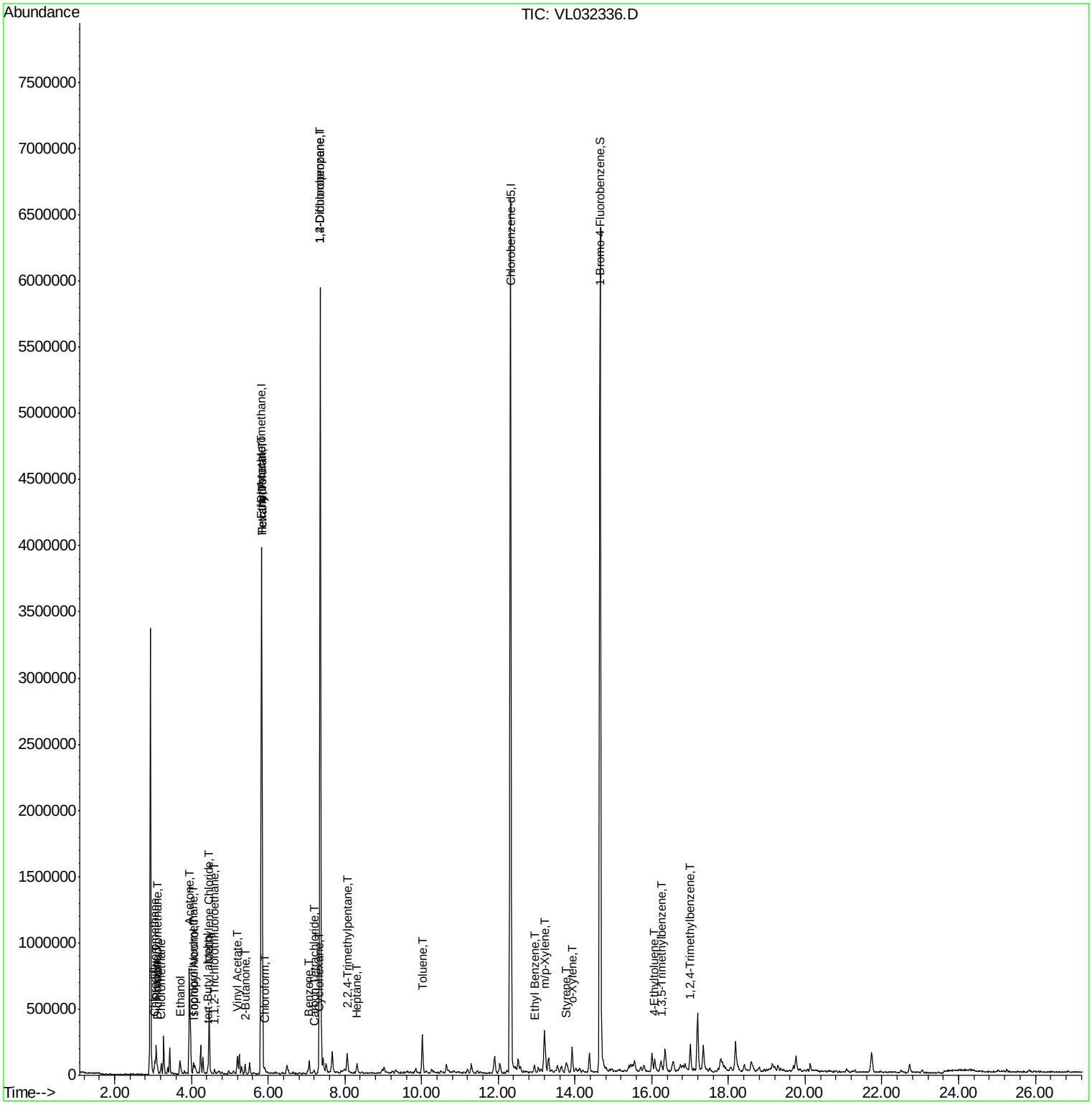
(#) = qualifier out of range (m) = manual integration (+) = signals summed

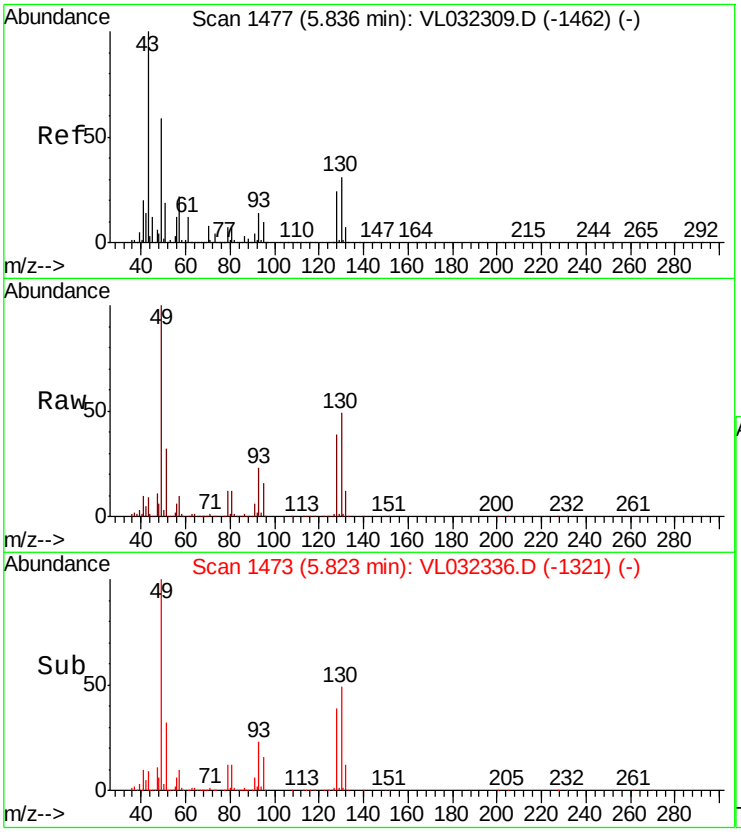
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080118\
Data File : VL032336.D
Acq On : 1 Aug 2018 23:58
Operator : SY/AP
Sample : J4235-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 02 00:48:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 27 07:05:37 2018
QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration



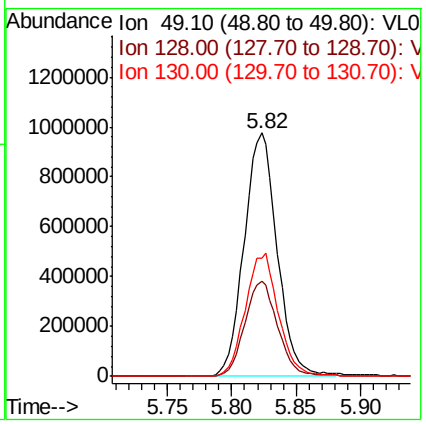


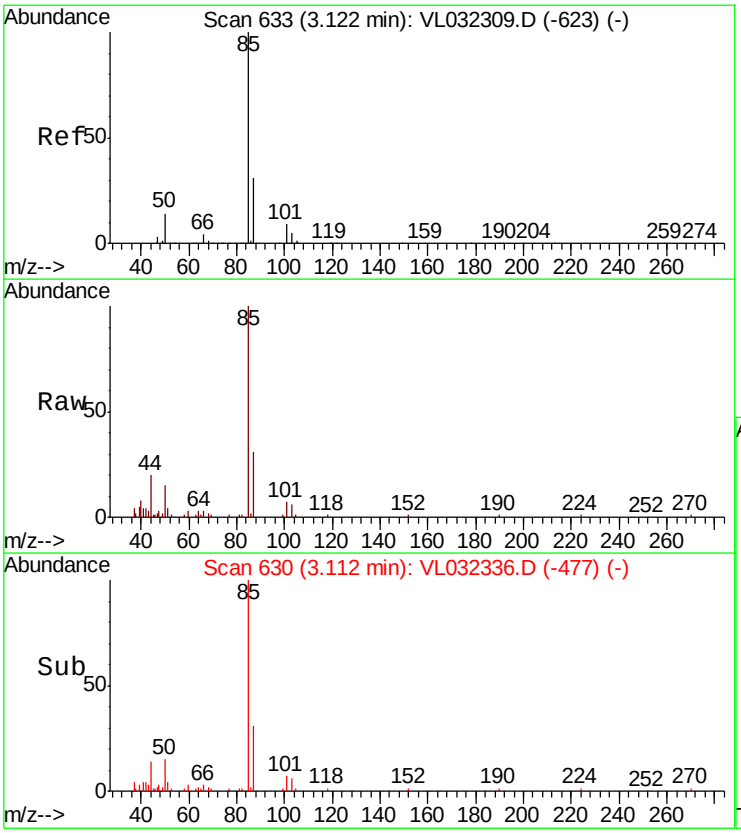
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1739262

Ion	Ratio	Lower	Upper
49	100		
128	39.2	20.2	60.6
130	51.2	25.8	77.3

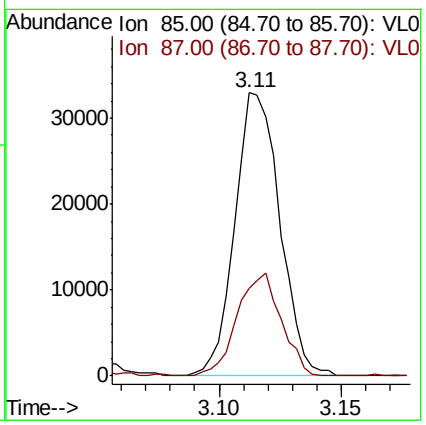


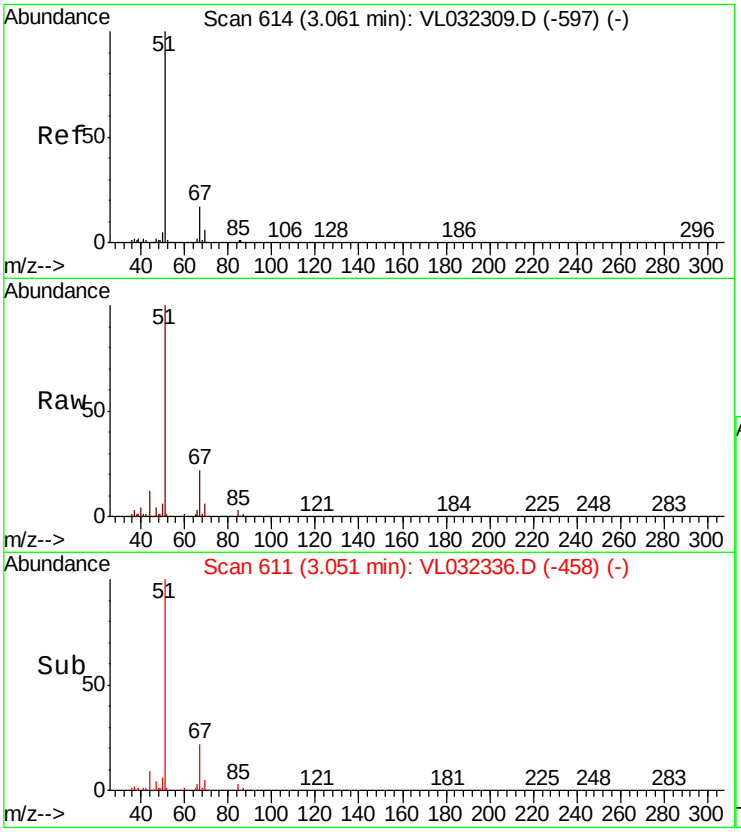


#2
Dichlorodifluoromethane
Concen: 0.201 ppbv
RT: 3.11 min Scan# 630
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 85 Resp: 42080

Ion	Ratio	Lower	Upper
85	100		
87	30.8	25.2	37.8



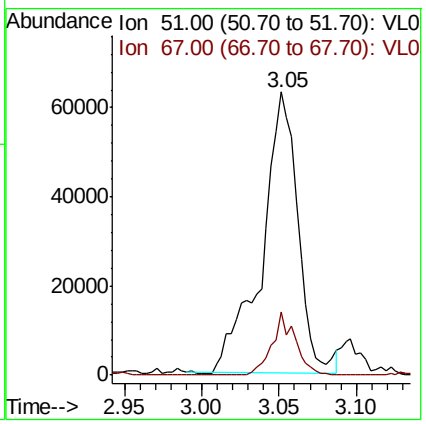


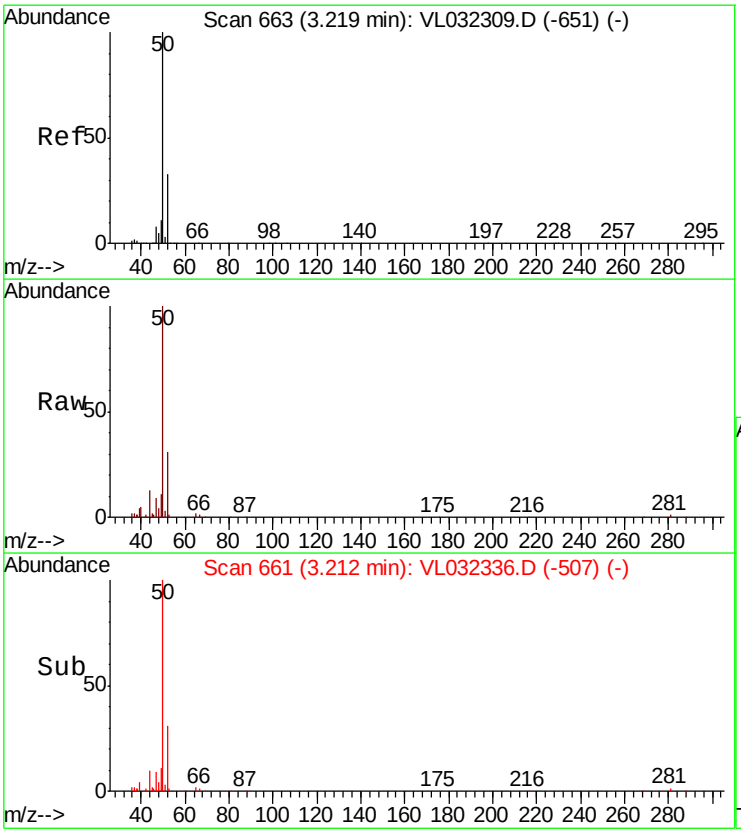
#3
Chlorodifluoromethane
Concen: 0.584 ppbv
RT: 3.05 min Scan# 611
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 101626

Ion	Ratio	Lower	Upper
51	100		
67	14.5	13.5	20.3

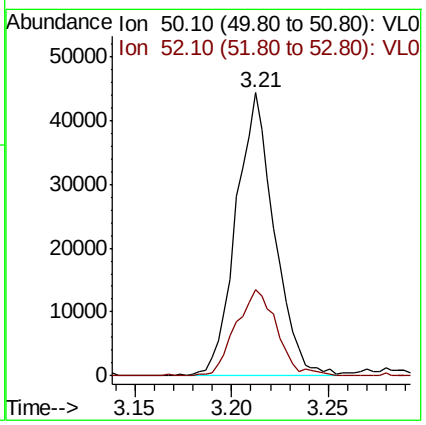


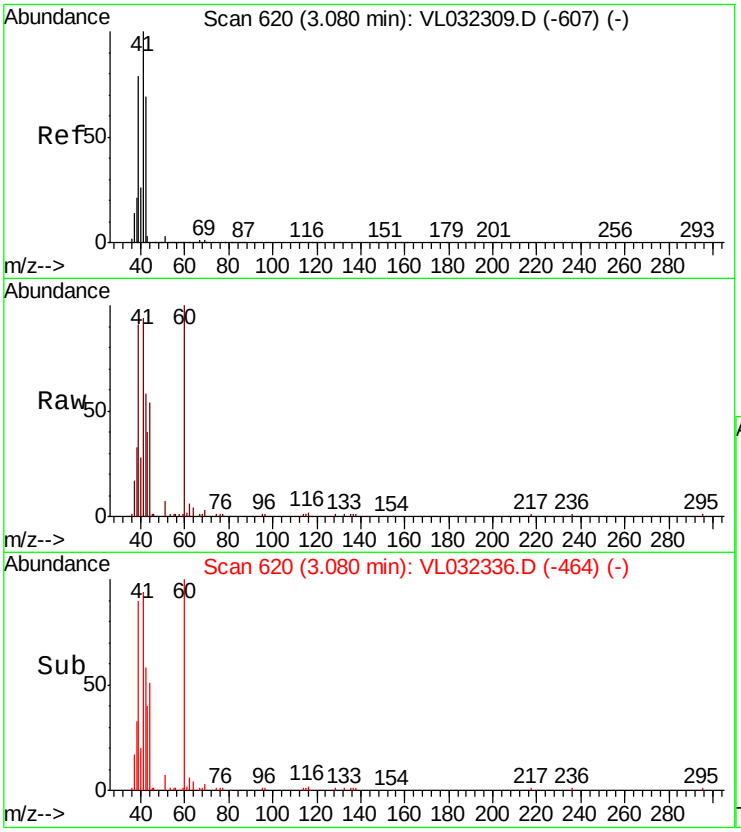


#4
Chloromethane
Concen: 0.580 ppbv
RT: 3.21 min Scan# 661
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 50 Resp: 61052

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.2	39.4



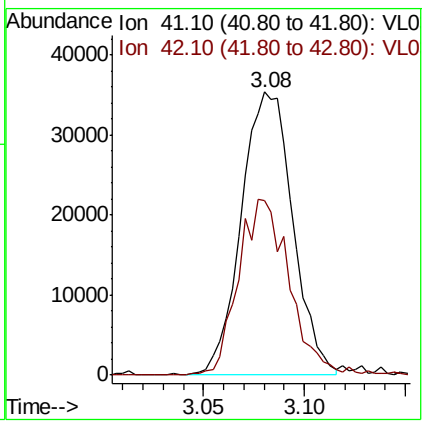


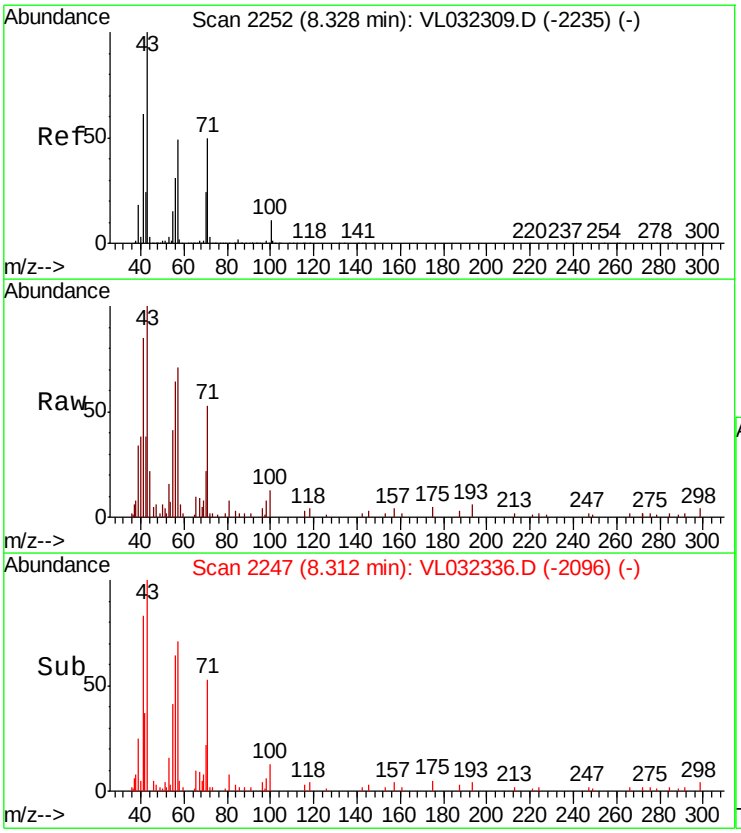
#9
Propene
Concen: 0.808 ppbv
RT: 3.08 min Scan# 620
Delta R.T. 0.00 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 63185

Ion	Ratio	Lower	Upper
41	100		
42	61.5	56.8	85.2

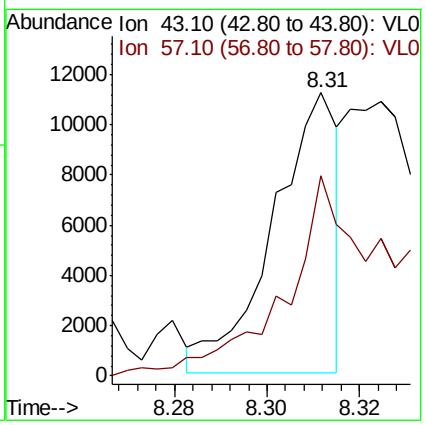


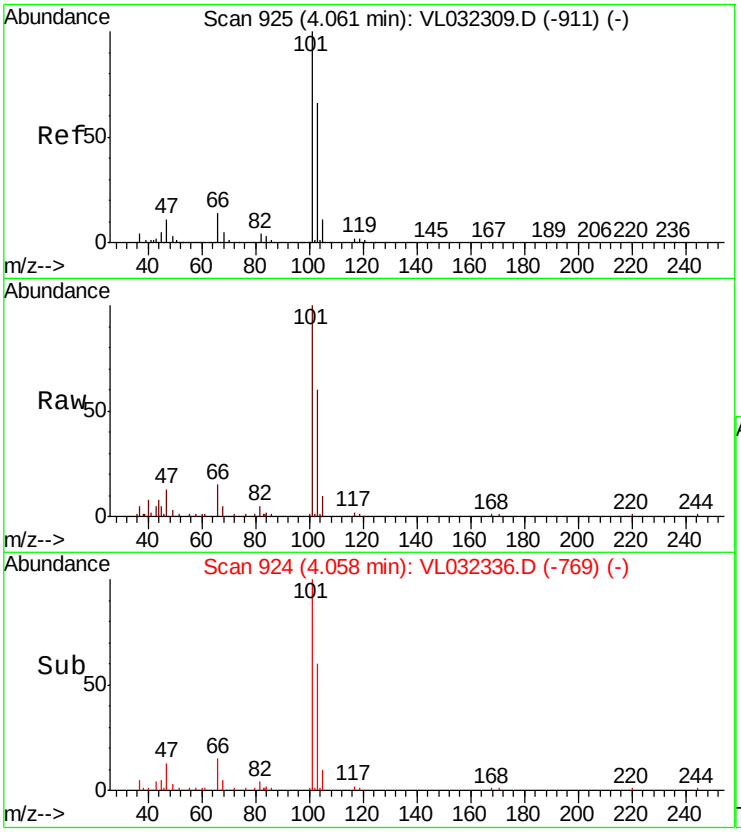


#10
Heptane
Concen: 0.039 ppbv
RT: 8.31 min Scan# 2247
Delta R.T. -0.02 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 43 Resp: 10807

Ion	Ratio	Lower	Upper
43	100		
57	127.0	39.0	58.4#



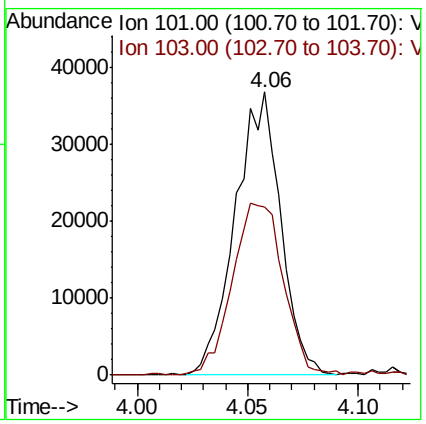


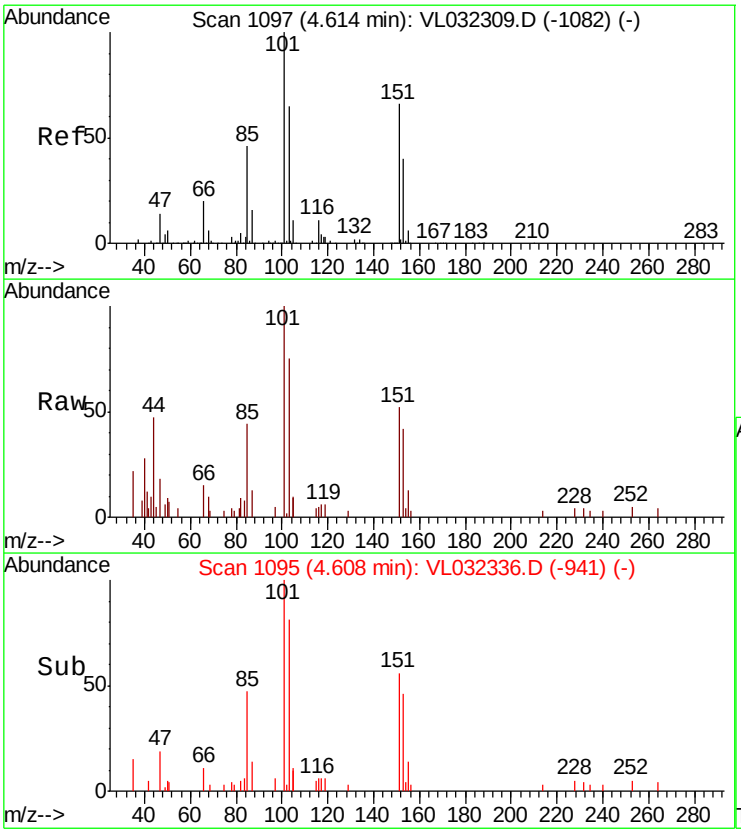
#11
Trichlorofluoromethane
Concen: 0.263 ppbv
RT: 4.06 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 52633

Ion	Ratio	Lower	Upper
101	100		
103	58.9	52.6	78.8

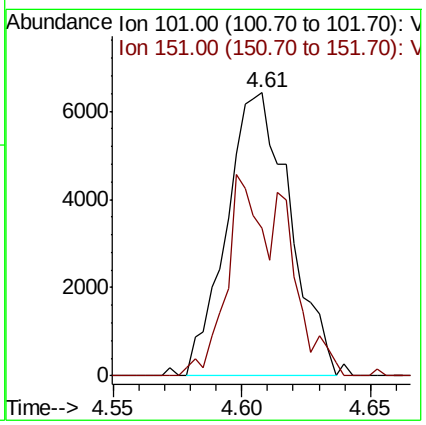


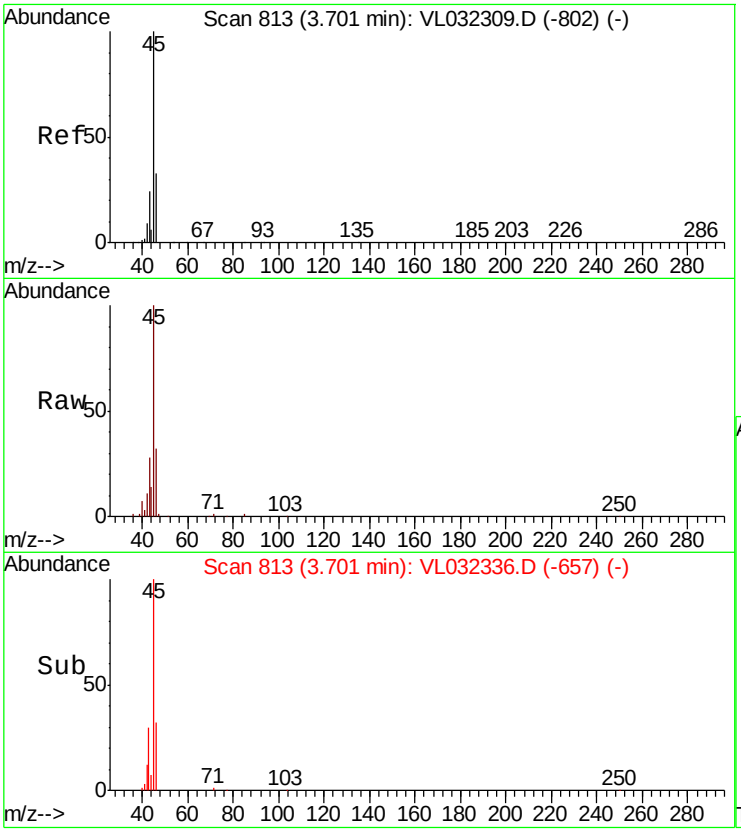


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.081 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion:101 Resp: 11020

Ion	Ratio	Lower	Upper
101	100		
151	66.5	52.4	78.6



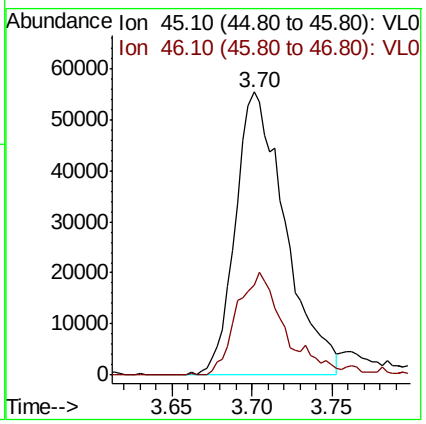


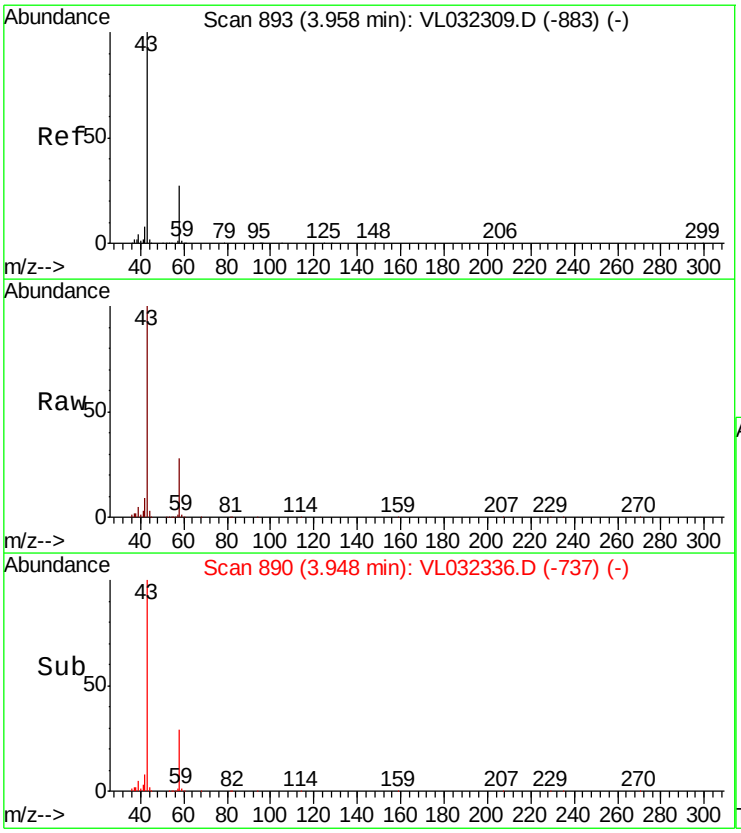
#13
Ethanol
Concen: 5.270 ppbv
RT: 3.70 min Scan# 813
Delta R.T. 0.00 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 118422

Ion	Ratio	Lower	Upper
45	100		
46	36.6	15.2	60.6

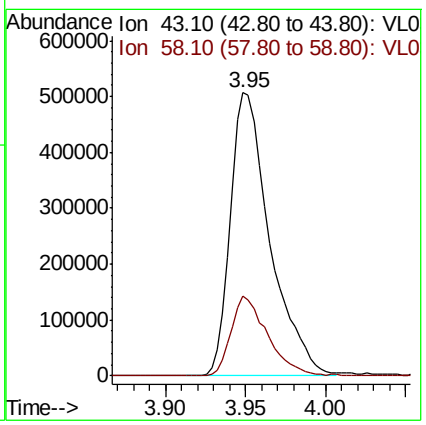


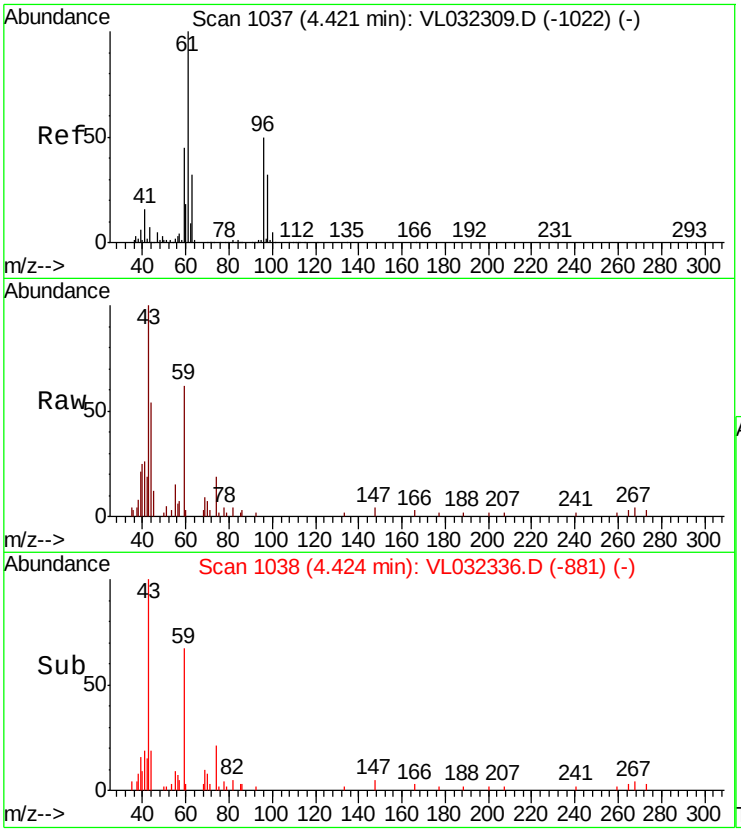


#15
Acetone
Concen: 5.208 ppbv
RT: 3.95 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 43 Resp: 853684

Ion	Ratio	Lower	Upper
43	100		
58	26.6	22.5	33.7



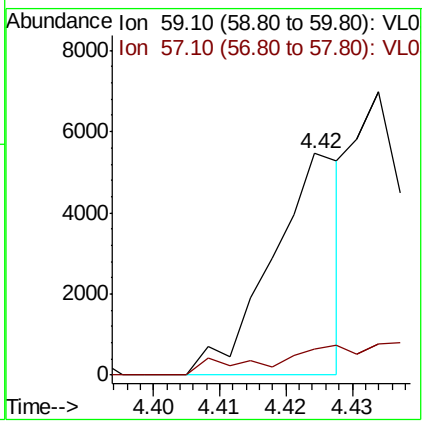


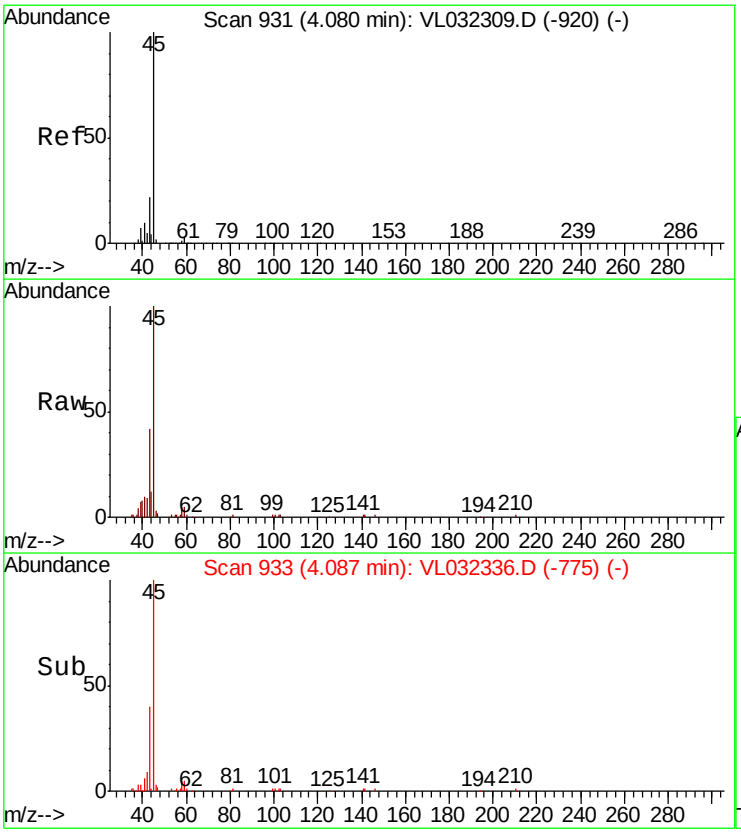
#17
tert-Butyl alcohol
Concen: 0.076 ppbv
RT: 4.42 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 3977

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0#

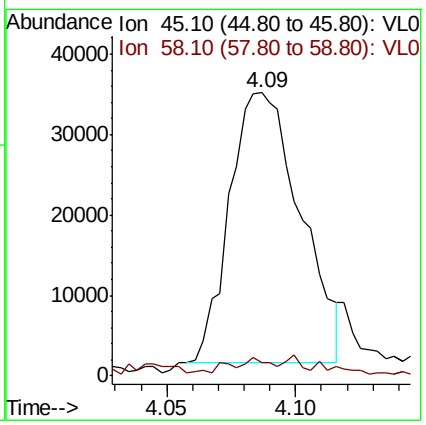


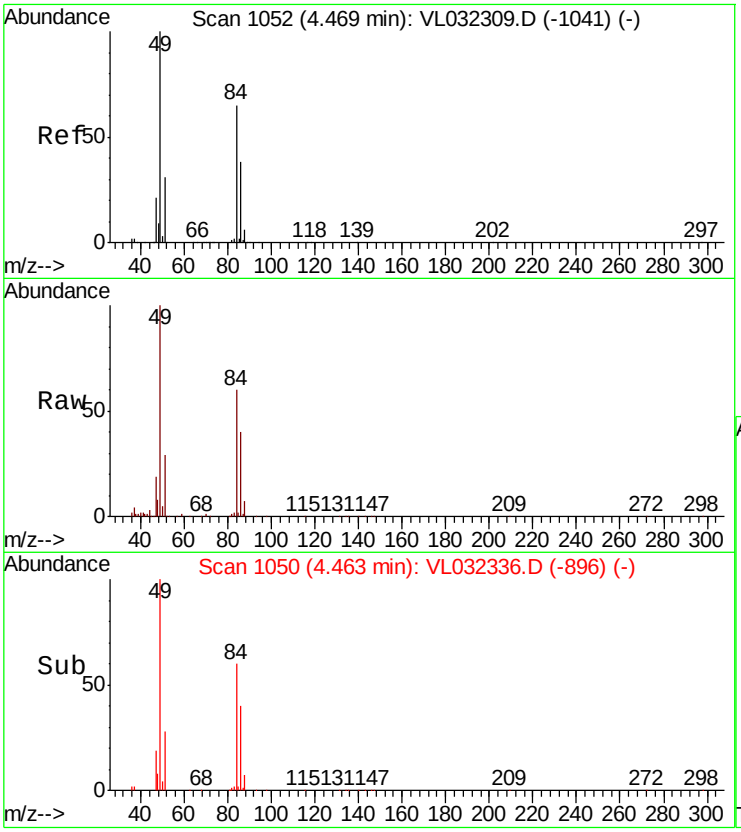


#19
Isopropyl Alcohol
Concen: 0.584 ppbv
RT: 4.09 min Scan# 933
Delta R.T. 0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 45 Resp: 63900

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.5	2.3#



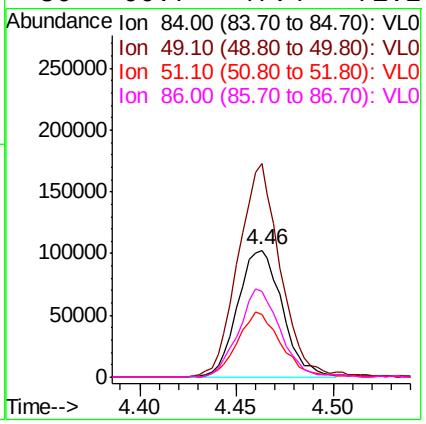


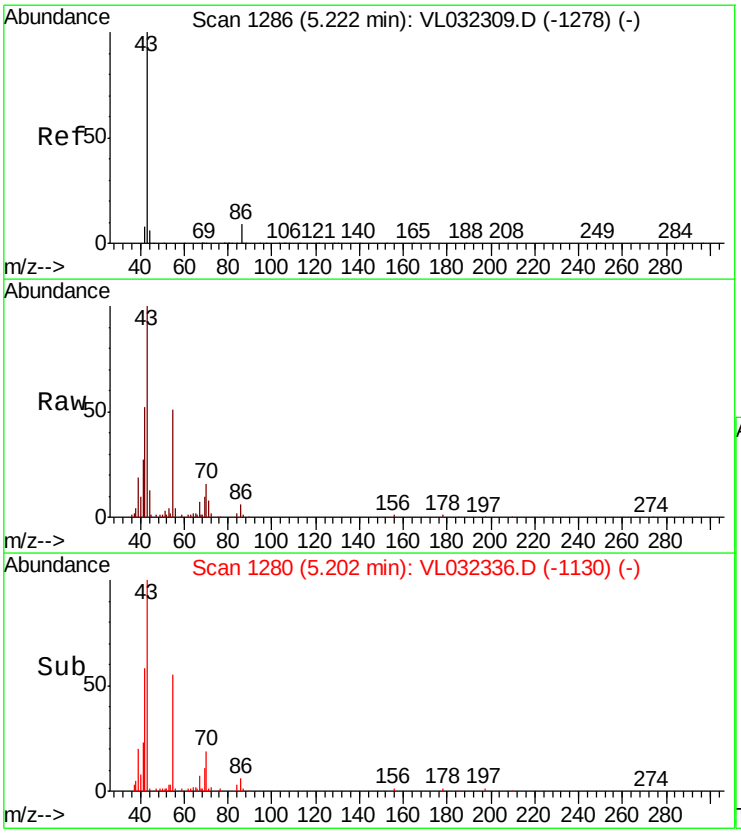
#20
Methylene Chloride
Concen: 2.507 ppbv
RT: 4.46 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 165161

Ion	Ratio	Lower	Upper
84	100		
49	167.8	123.4	185.0
51	48.7	38.2	57.2
86	66.7	47.4	71.2

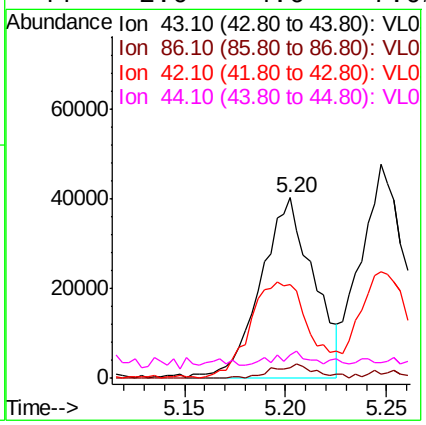


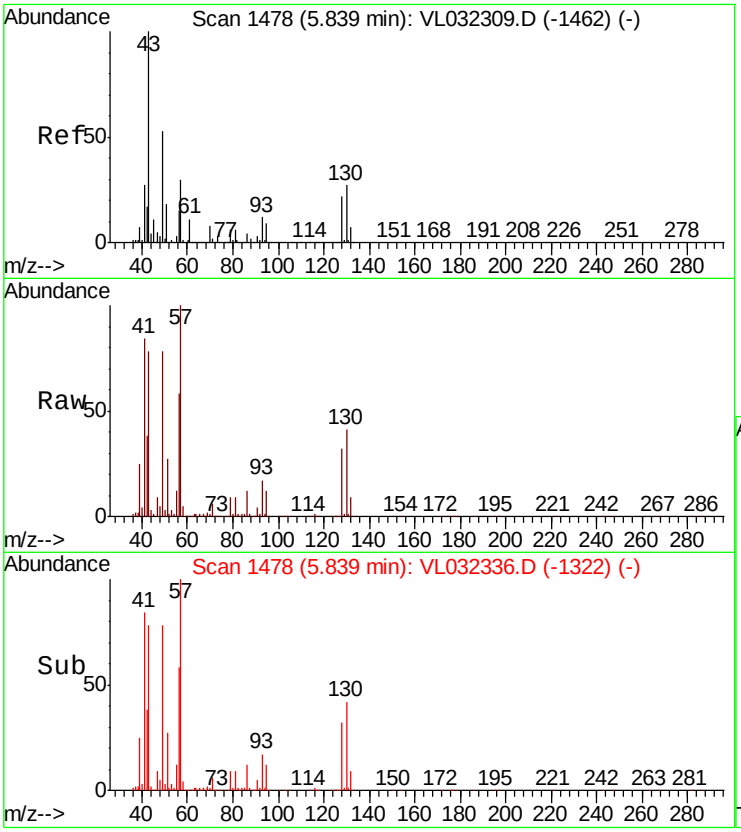


#23
Vinyl Acetate
Concen: 0.248 ppbv
RT: 5.20 min Scan# 1280
Delta R.T. -0.02 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 43 Resp: 72865

Ion	Ratio	Lower	Upper
43	100		
86	5.7	6.3	9.5#
42	50.7	7.0	10.4#
44	2.0	4.6	7.0#



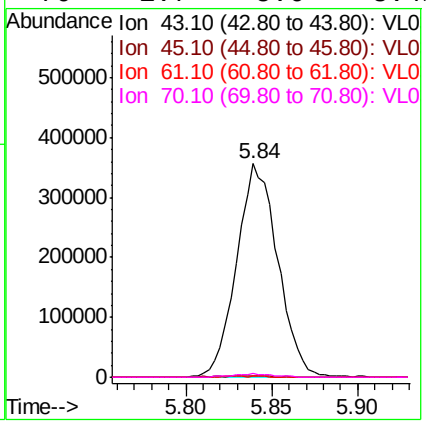


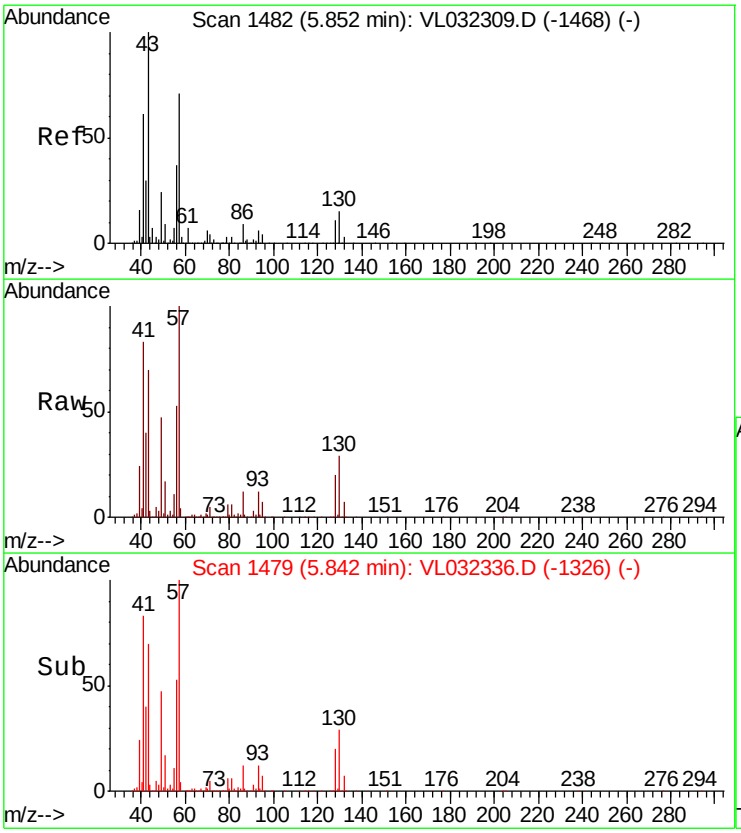
#25
Ethyl Acetate
Concen: 1.594 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 586202

Ion	Ratio	Lower	Upper
43	100		
45	1.0	8.1	12.1#
61	0.6	7.4	11.0#
70	1.7	5.6	8.4#

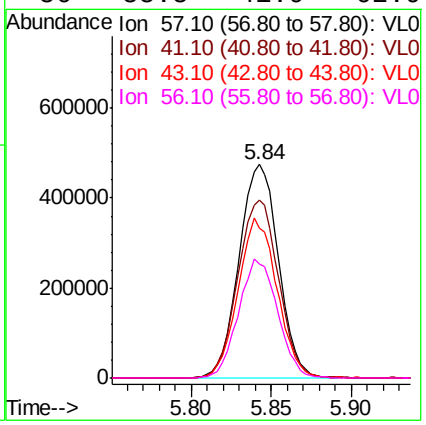


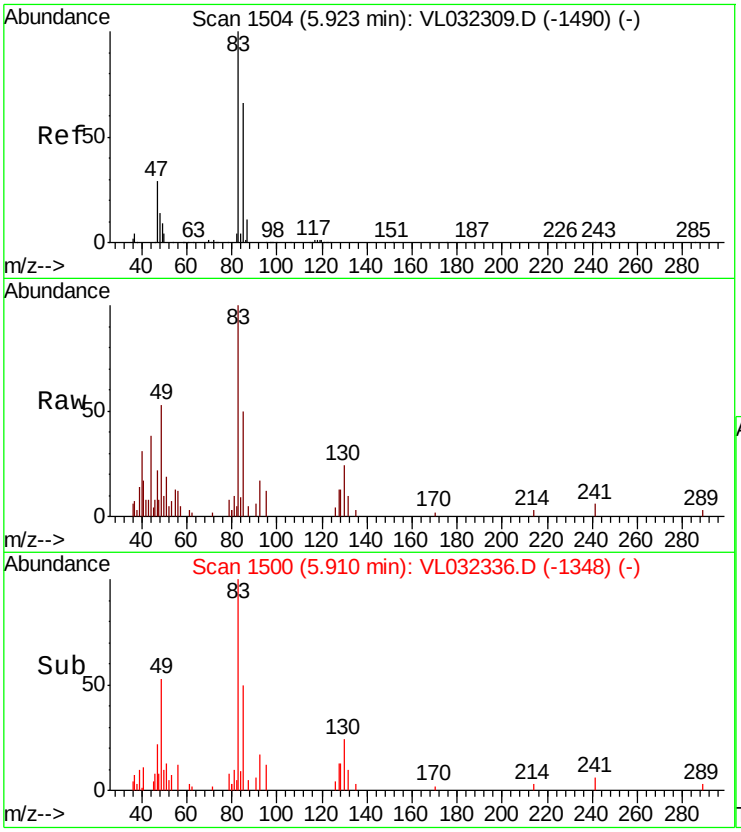


#26
Hexane
Concen: 4.770 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 57 Resp: 793998

Ion	Ratio	Lower	Upper
57	100		
41	86.6	68.1	102.1
43	74.2	177.4	266.2#
56	55.5	41.9	62.9



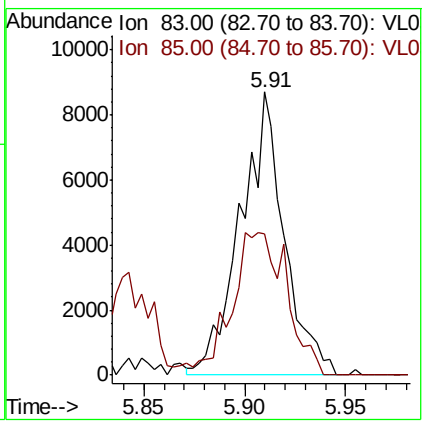


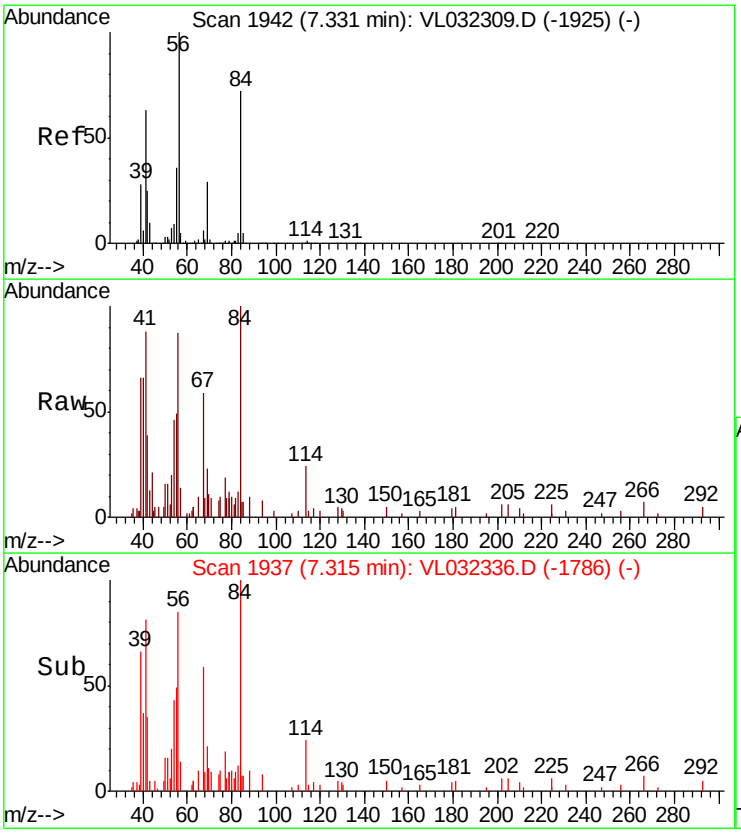
#29
Chloroform
Concen: 0.054 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 13189

Ion	Ratio	Lower	Upper
83	100		
85	49.9	52.9	79.3#

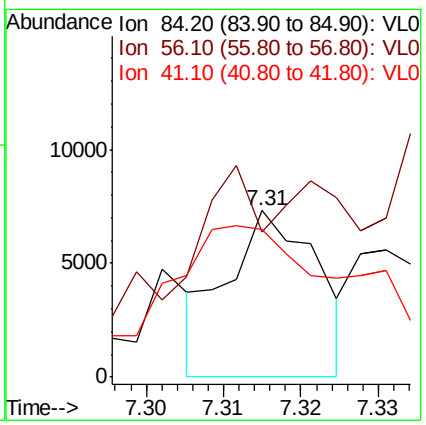


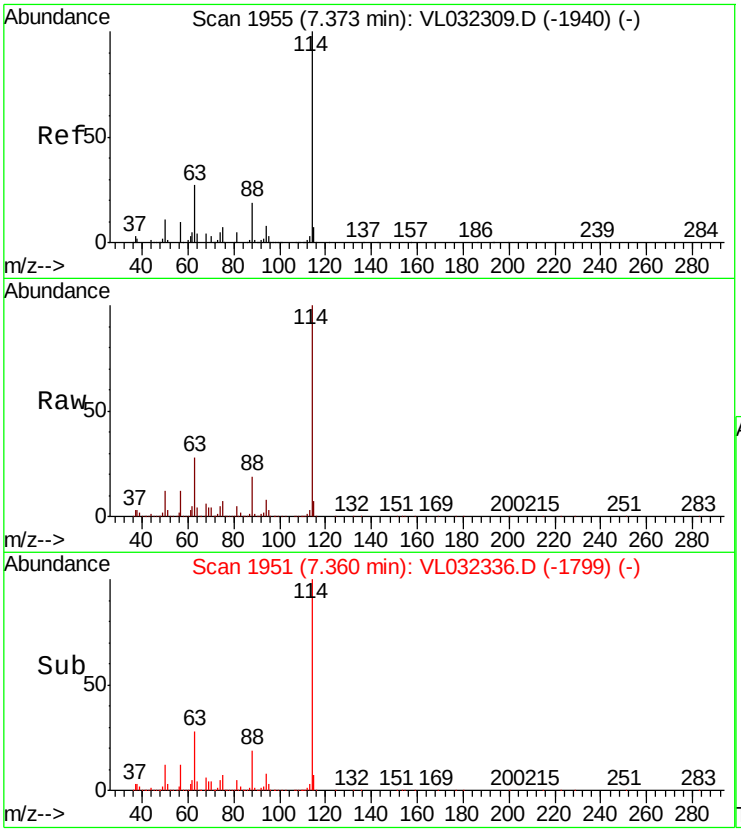


#30
Cyclohexane
Concen: 0.046 ppbv
RT: 7.31 min Scan# 1937
Delta R.T. -0.02 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 84 Resp: 5932

Ion	Ratio	Lower	Upper
84	100		
56	0.0	116.8	175.2#
41	270.8	70.0	105.0#



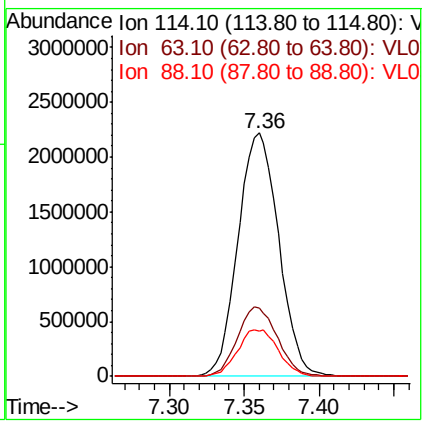


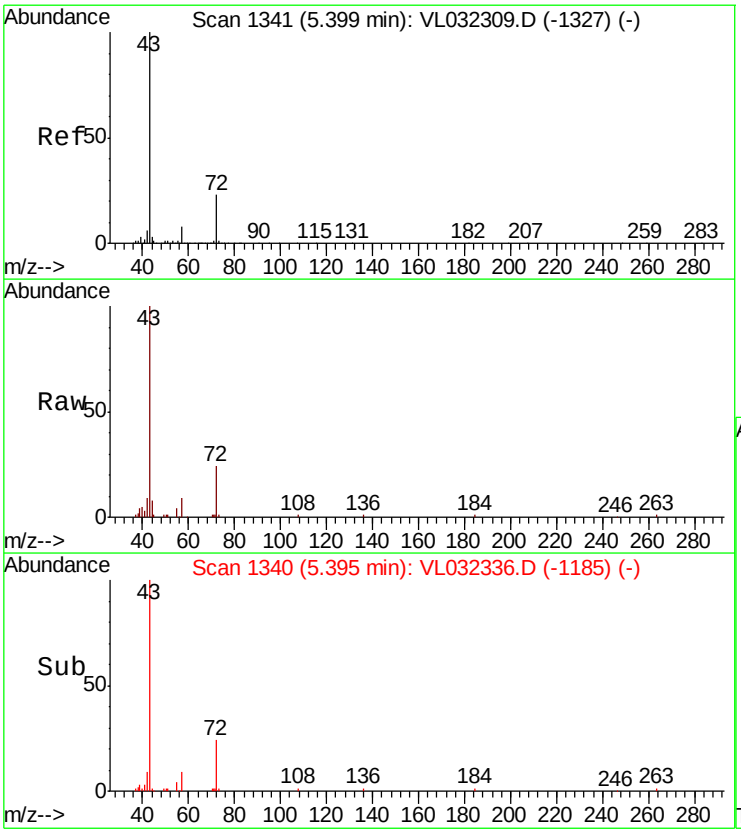
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.36 min Scan# 1951
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 4203128

Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.4	33.6
88	19.2	15.3	22.9

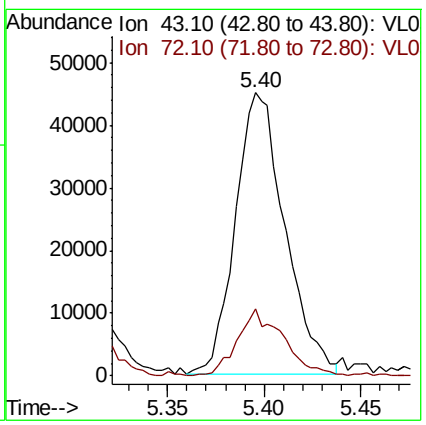


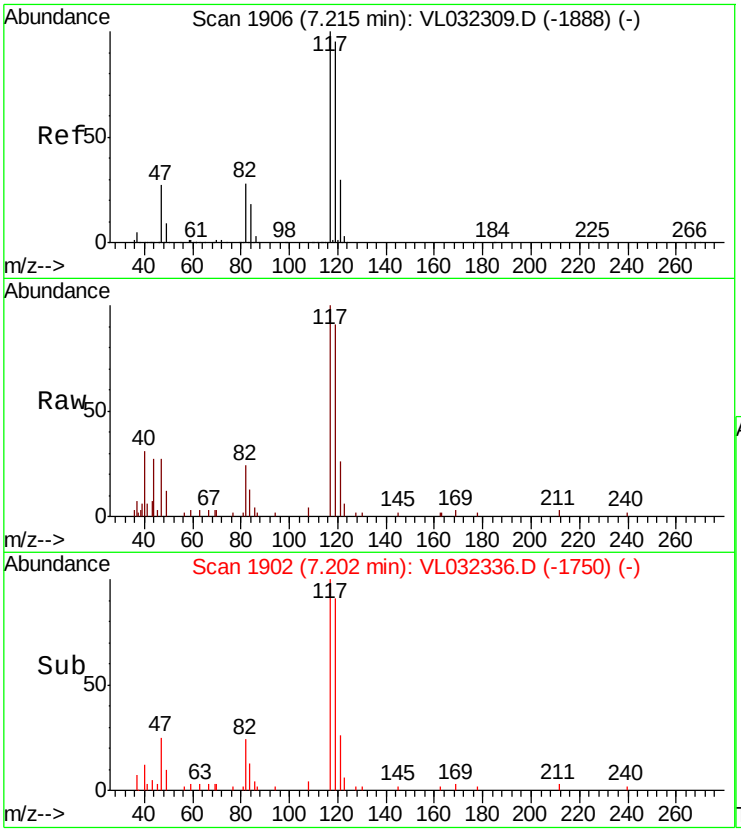


#34
2-Butanone
Concen: 0.294 ppbv
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 43 Resp: 79897

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.4	26.2



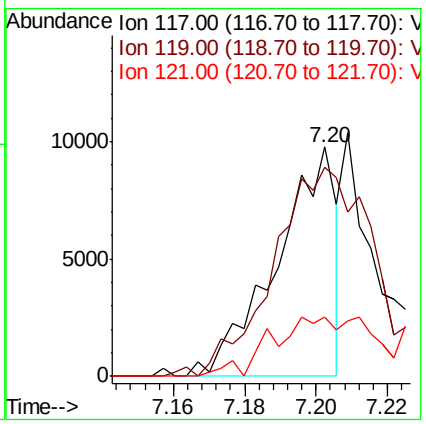


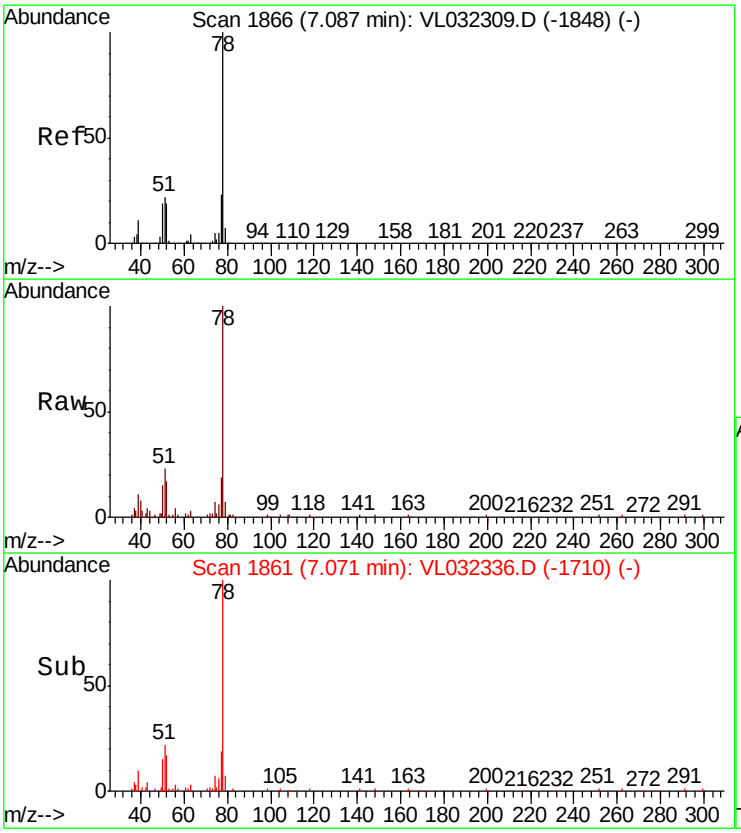
#35
Carbon Tetrachloride
Concen: 0.047 ppbv
RT: 7.20 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 11272

Ion	Ratio	Lower	Upper
117	100		
119	87.0	76.1	114.1
121	26.0	24.4	36.6

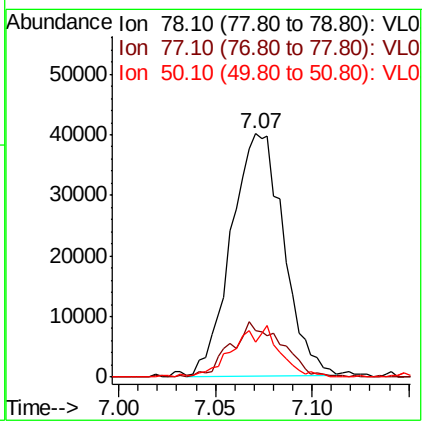


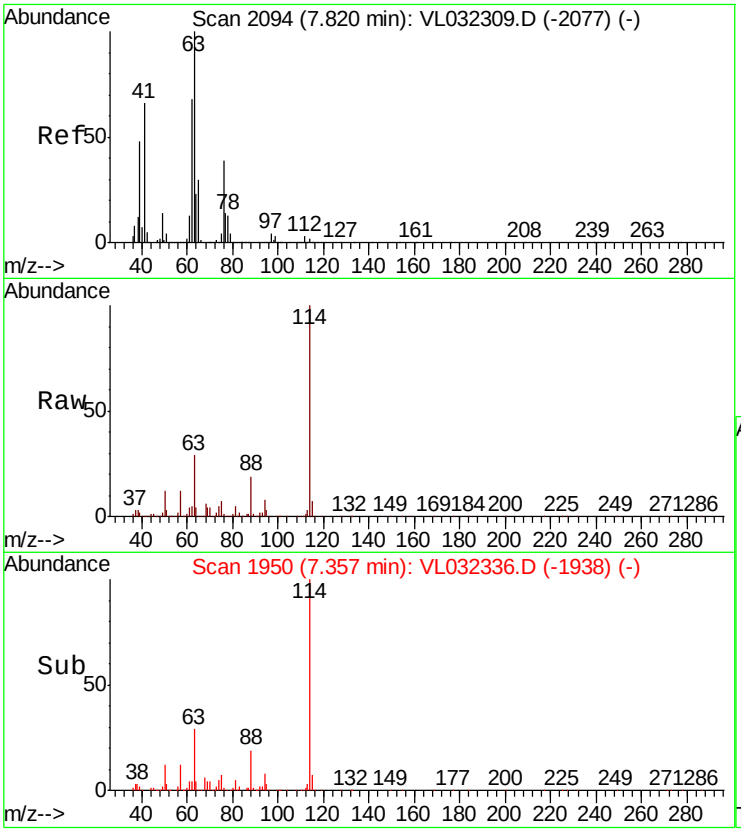


#36
Benzene
Concen: 0.204 ppbv
RT: 7.07 min Scan# 1861
Delta R.T. -0.02 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 78 Resp: 75504

Ion	Ratio	Lower	Upper
78	100		
77	18.5	18.4	27.6
50	14.2	15.3	22.9#



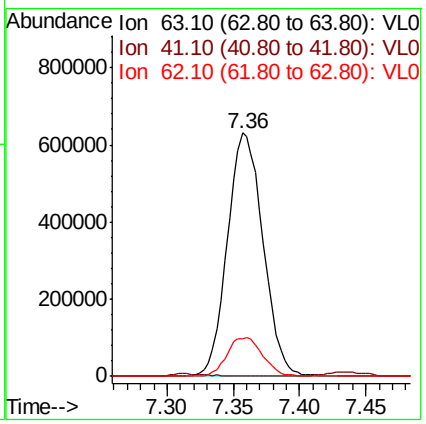


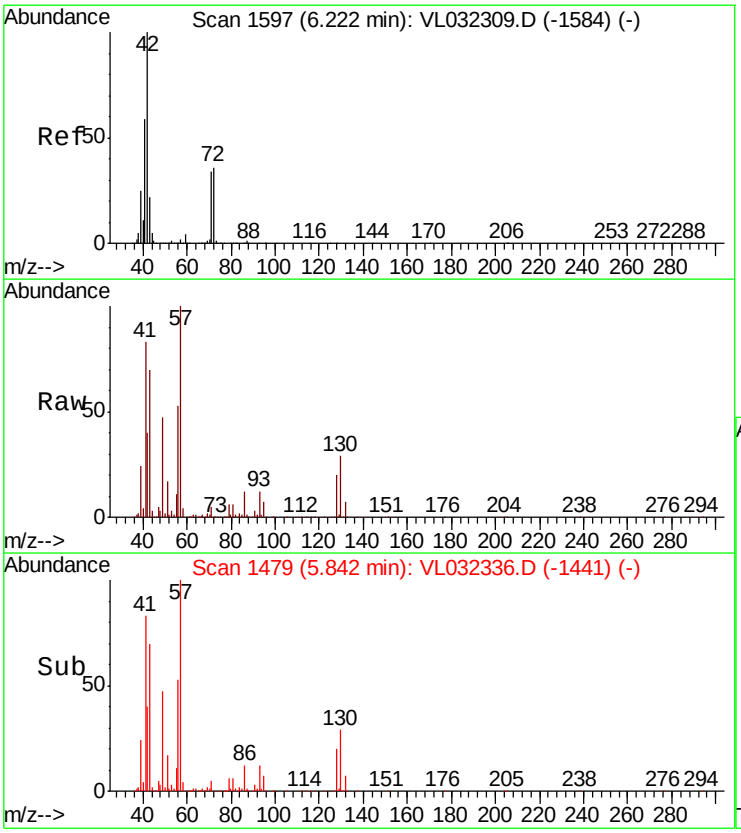
#39
1,2-Dichloropropane
Concen: 6.318 ppbv
RT: 7.36 min Scan# 1950
Delta R.T. -0.46 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 1177627

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.5	78.7#
62	15.5	54.6	81.8#

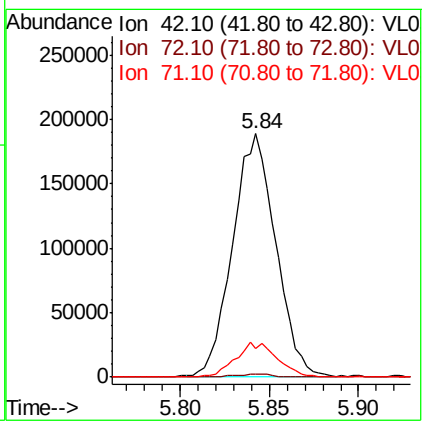


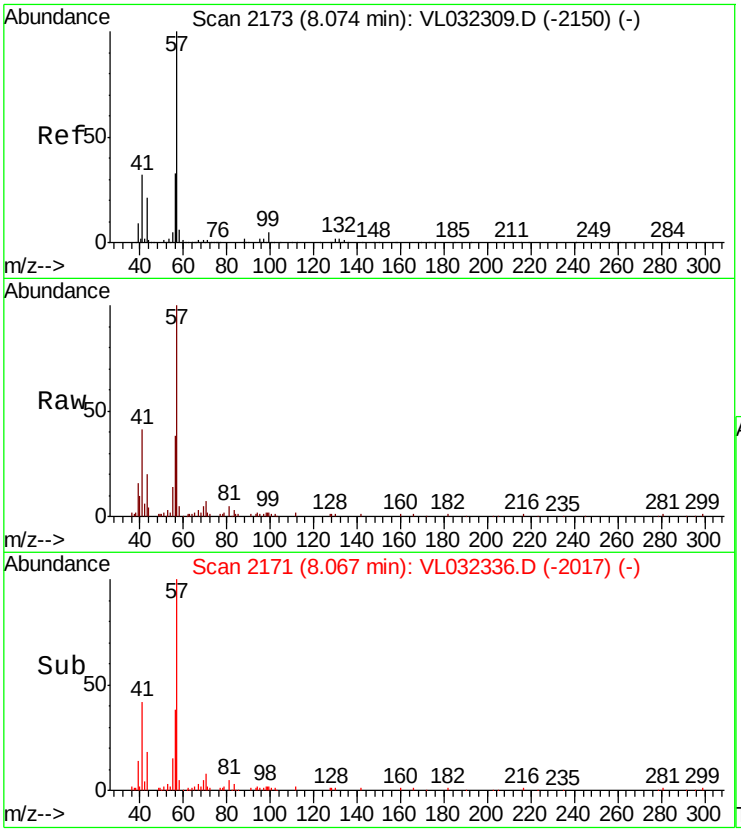


#41
Tetrahydrofuran
Concen: 2.057 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. -0.38 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 42 Resp: 316548

Ion	Ratio	Lower	Upper
42	100		
72	1.1	28.6	42.8#
71	13.9	27.8	41.6#



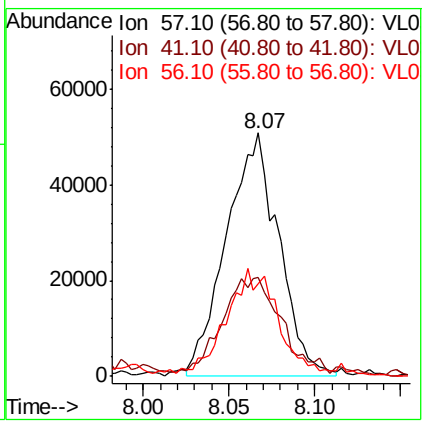


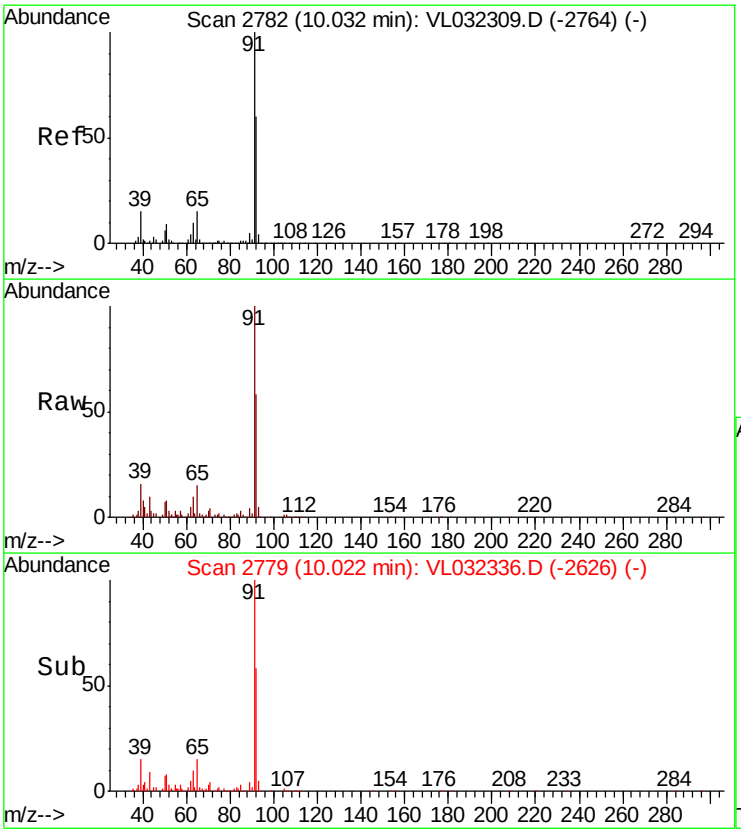
#44
2,2,4-Trimethylpentane
Concen: 0.133 ppbv
RT: 8.07 min Scan# 2171
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 107182

Ion	Ratio	Lower	Upper
57	100		
41	45.0	24.3	36.5#
56	45.6	25.4	38.2#

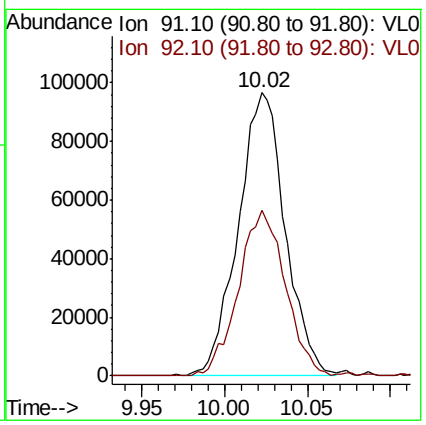


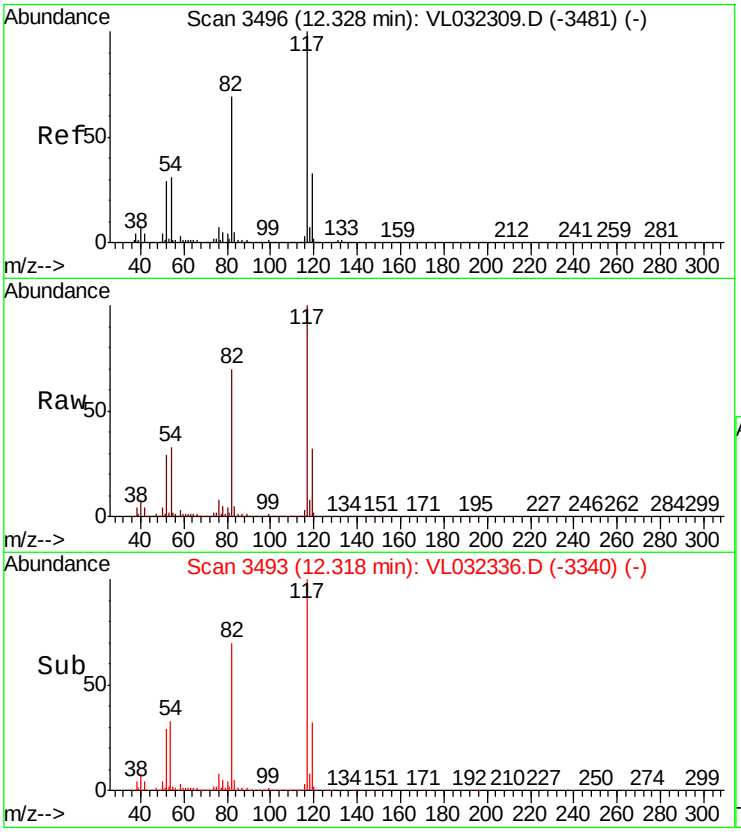


#53
Toluene
Concen: 0.431 ppbv
RT: 10.02 min Scan# 2779
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 91 Resp: 190753

Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.6	72.8



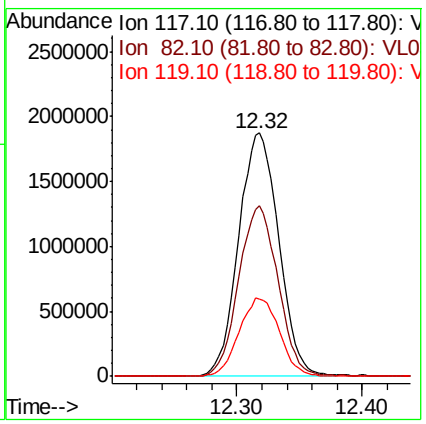


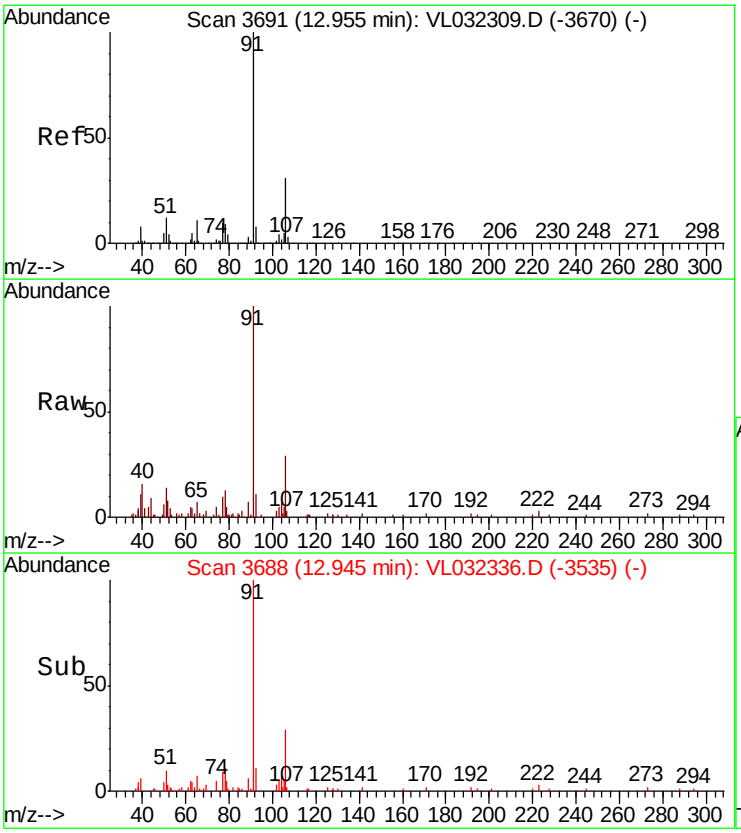
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.32 min Scan# 3493
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 4161391

Ion	Ratio	Lower	Upper
117	100		
82	69.5	52.6	78.8
119	32.5	25.7	38.5

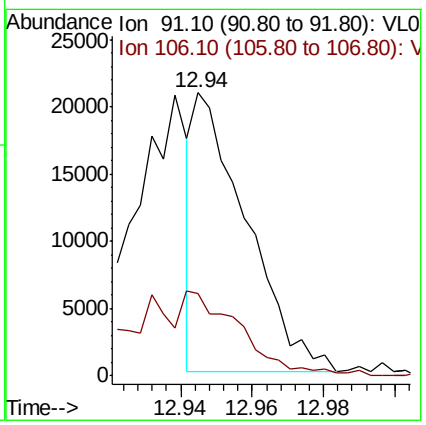


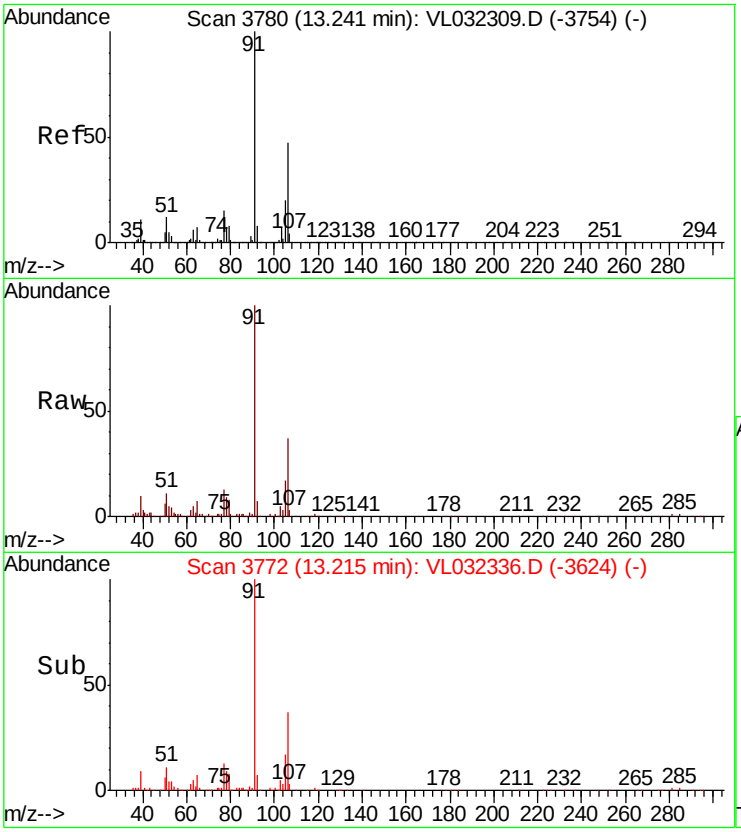


#58
Ethyl Benzene
Concen: 0.041 ppbv
RT: 12.94 min Scan# 3688
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 91 Resp: 21196

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.4



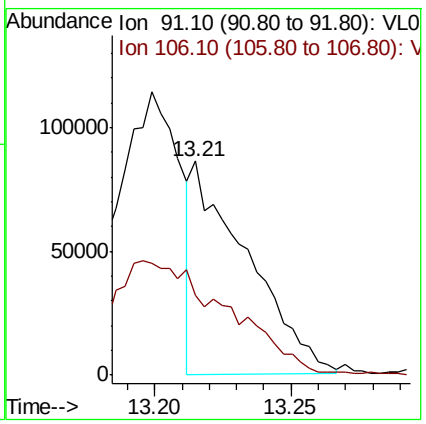


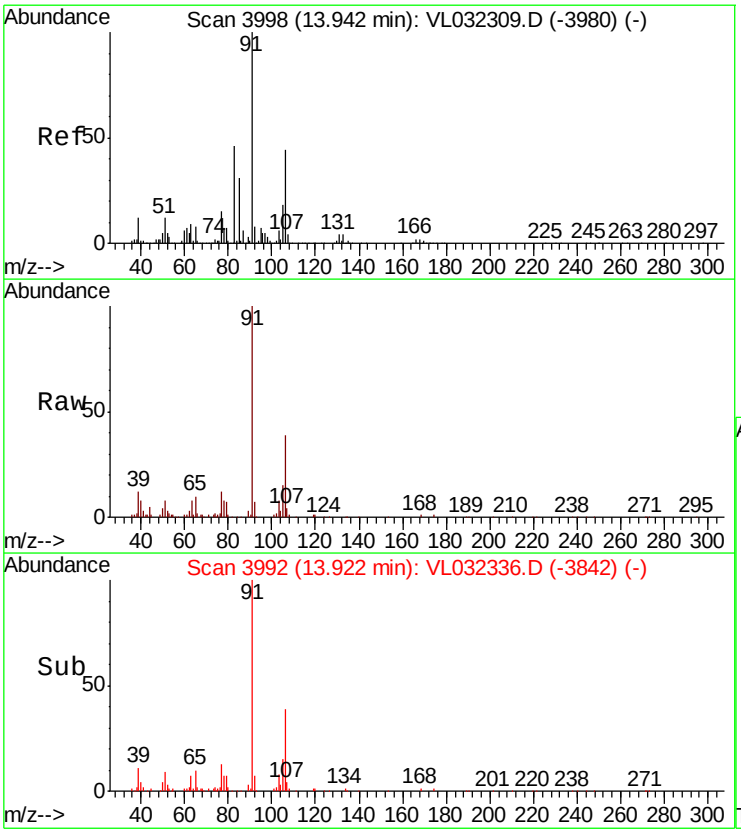
#59
m/p-Xylene
Concen: 0.271 ppbv
RT: 13.21 min Scan# 3772
Delta R.T. -0.03 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 120503

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#

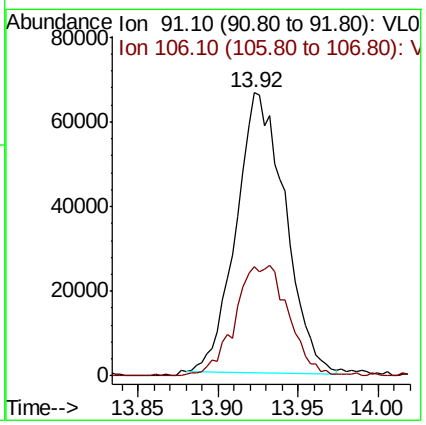


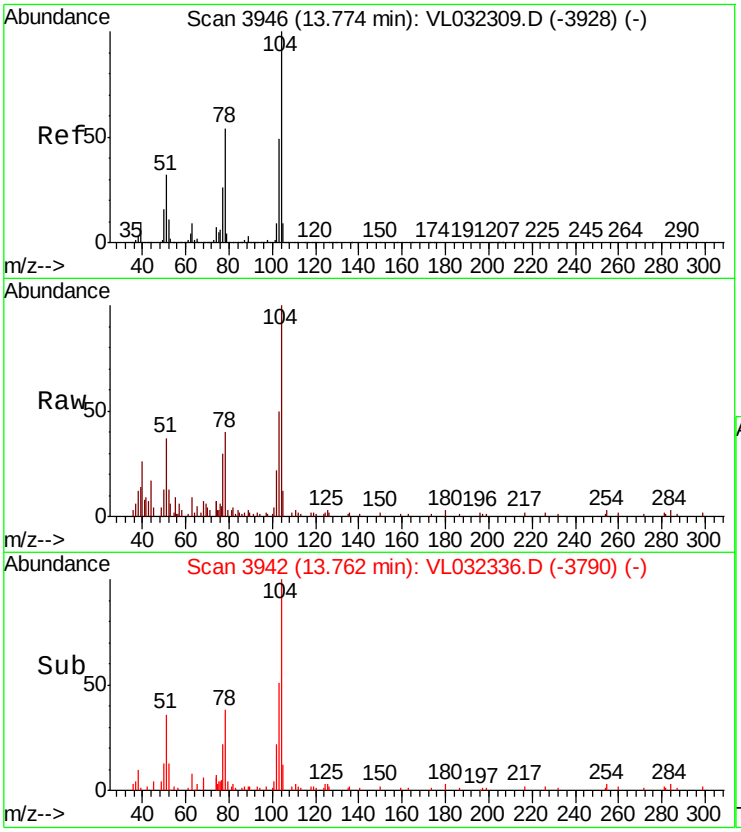


#60
o-Xylene
Concen: 0.321 ppbv
RT: 13.92 min Scan# 3992
Delta R.T. -0.02 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 91 Resp: 139637

Ion	Ratio	Lower	Upper
91	100		
106	43.0	22.4	67.0



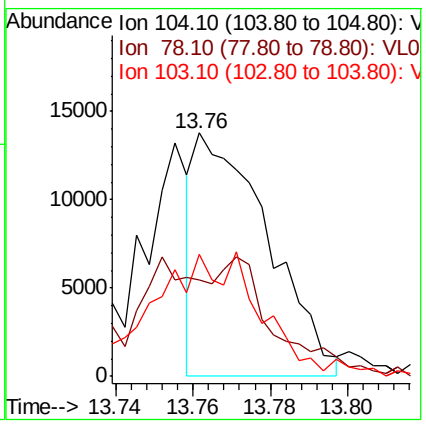


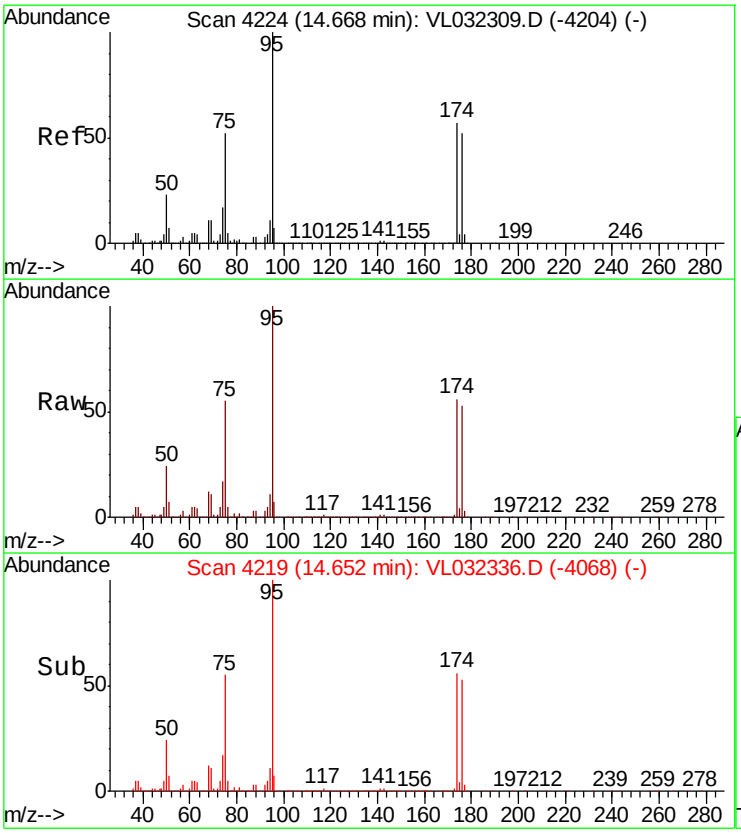
#61
Stvrene
Concen: 0.056 ppbv
RT: 13.76 min Scan# 3942
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 18009

Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.6	63.8#
103	76.8	38.0	57.0#

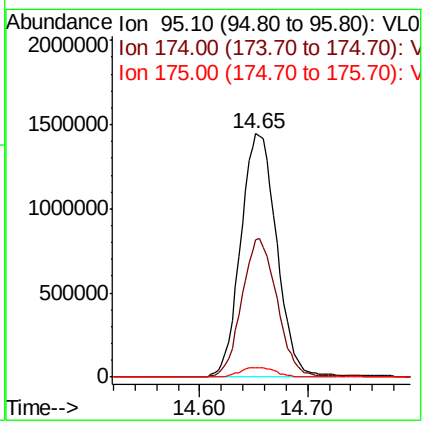


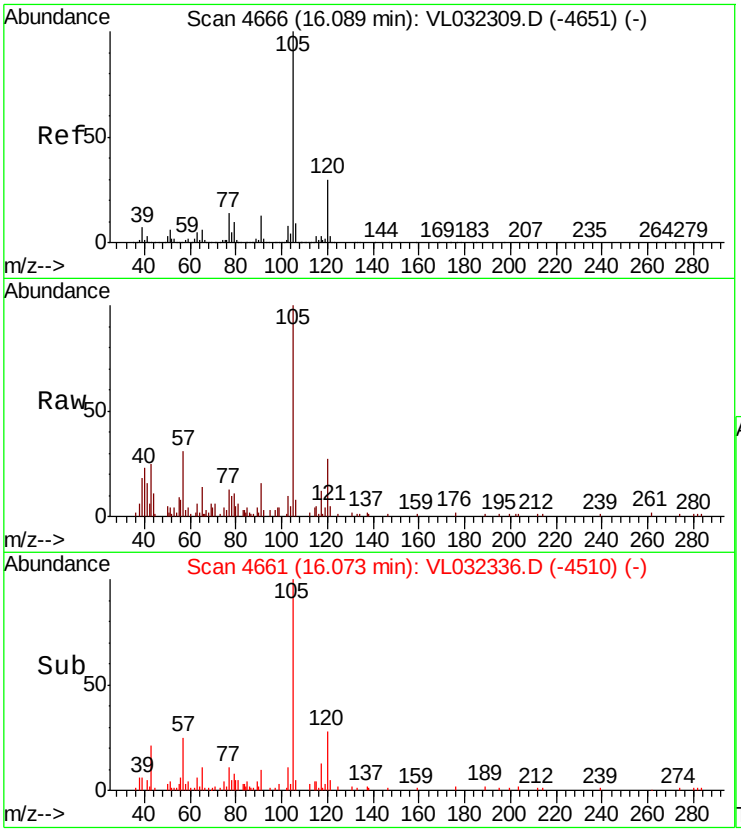


#68
1-Bromo-4-Fluorobenzene
Concen: 10.375 ppbv
RT: 14.65 min Scan# 4219
Delta R.T. -0.02 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion: 95 Resp: 3351141

Ion	Ratio	Lower	Upper
95	100		
174	56.3	45.5	68.3
175	4.1	3.3	4.9



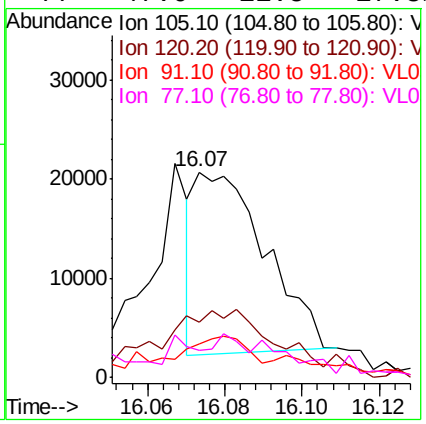


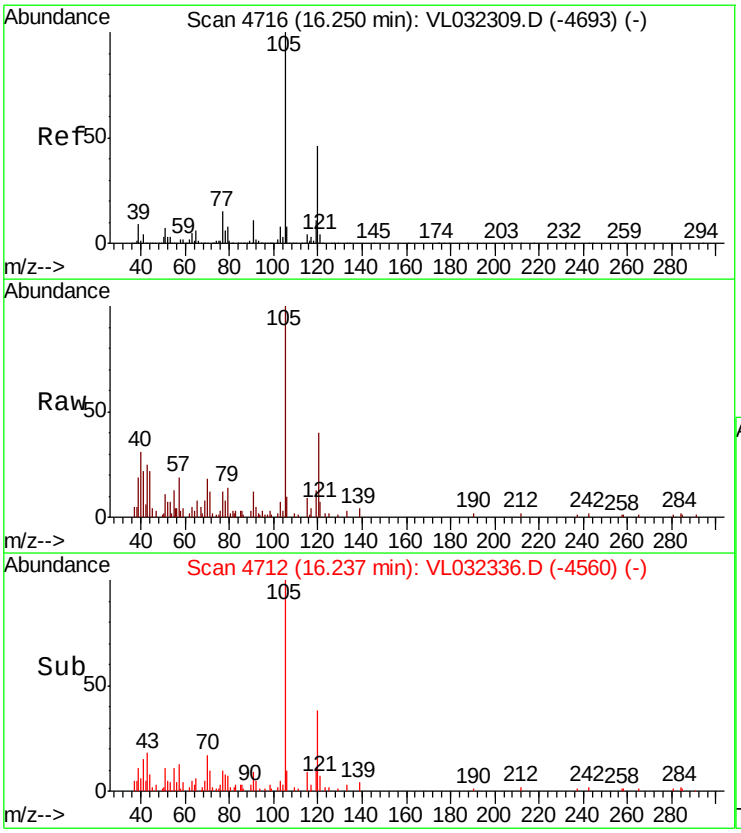
#72
4-Ethyltoluene
Concen: 0.047 ppbv
RT: 16.07 min Scan# 4661
Delta R.T. -0.02 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 23060

Ion	Ratio	Lower	Upper
105	100		
120	63.7	23.1	34.7#
91	41.8	10.0	15.0#
77	47.0	11.5	17.3#

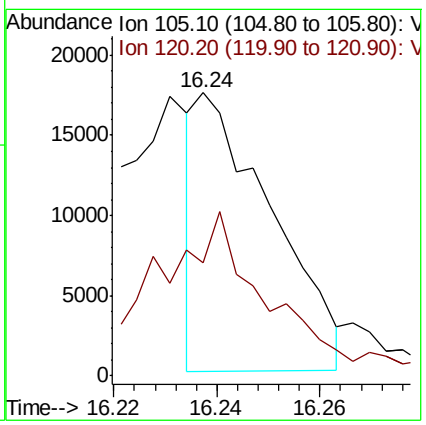


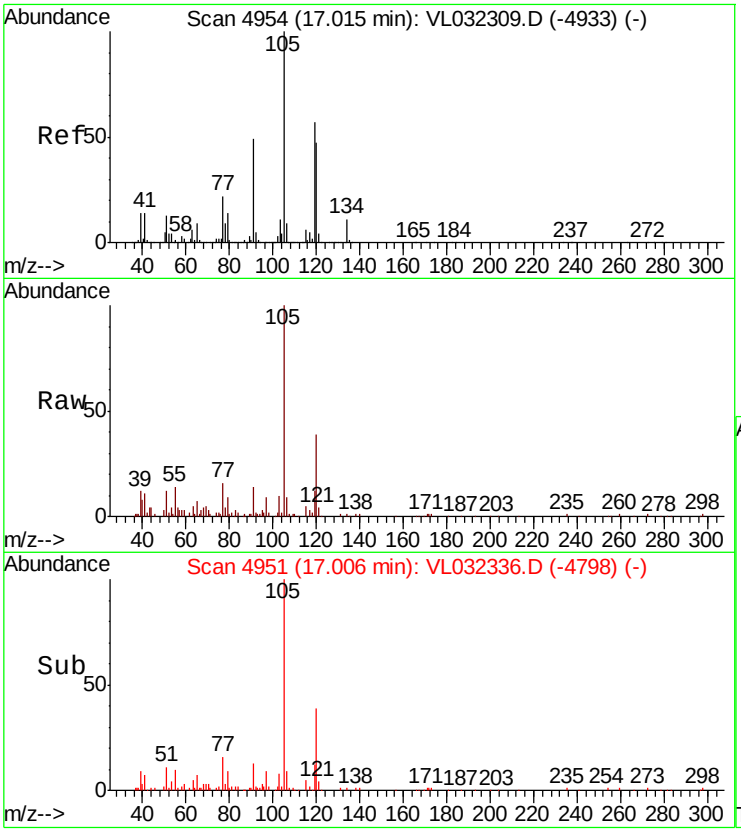


#73
1,3,5-Trimethylbenzene
Concen: 0.037 ppbv
RT: 16.24 min Scan# 4712
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Tgt Ion:105 Resp: 17650

Ion	Ratio	Lower	Upper
105	100		
120	37.0	36.5	54.7





#74
1,2,4-Trimethylbenzene
Concen: 0.246 ppbv
RT: 17.01 min Scan# 4951
Delta R.T. -0.01 min
Lab File: VL032336.D
Acq: 1 Aug 2018 23:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 124673

Ion	Ratio	Lower	Upper
105	100		
120	38.3	37.8	56.6
91	13.0	39.4	59.0#
77	15.7	17.6	26.4#