Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\

Quantitation Report (Not Reviewed)

Data File : VL032555.D
Acq On : 27 Sep 2018 18:46
Operator : SY/AP
Sample : J5136-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 247

Quant Time: Sep 28 02:09:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.79	49	1332636	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.32	114	2844581	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.27	117	3201662	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.61	95	2241305	9.28	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.10	85	43943	0.357	ppbv		93
3) Chlorodifluoromethane	3.03	51	1767234	15.947	ppbv		98
4) Chloromethane	3.19	50	30997	0.480	ppbv		94
7) Chloroethane	3.62	64	705	0.030	ppbv	#	85
9) Propene	3.06	41	128308	2.668	ppbv		99
10) Heptane	8.27	43	5785	0.033	ppbv	#	28
11) Trichlorofluoromethane	4.02	101	17458	0.119	ppbv		87
12) 1,1,2-Trichlorotrifluoroet	4.58	101	5724	0.048	ppbv	#	48
13) Ethanol	3.68	45	107962	7.470	ppbv		97
15) Acetone	3.92	43	1207616	10.324	ppbv	#	74
16) 1,3-Butadiene	3.37	39	135223	2.850	ppbv	#	7
17) tert-Butyl alcohol	4.39	59	19653	1.337	ppbv	#	100
19) Isopropyl Alcohol	4.06	45	11626	0.143	ppbv	#	93
20) Methylene Chloride	4.44	84	189809	3.351	ppbv		99
23) Vinyl Acetate	5.28	43	96389	0.466	ppbv	#	1
25) Ethyl Acetate	5.81	43	135809	0.478	ppbv	#	81
26) Hexane	5.81	57	178885	1.395	ppbv	#	43
34) 2-Butanone	5.35	43	3469039	20.479	ppbv		99
35) Carbon Tetrachloride	7.16	117	8143	0.041	ppbv	#	91
36) Benzene	7.03	78	16409	0.071	ppbv	#	87
39) 1,2-Dichloropropane	7.32	63	763687	7.372	ppbv	#	27
41) Tetrahydrofuran	6.15	42	7482	0.081	ppbv	#	52
51) 2-Hexanone	10.31	43	271369	1.232	ppbv	#	97
53) Toluene	9.97	91	39124	0.140	ppbv	#	21
73) 1,3,5-Trimethylbenzene	16.19	105	30325	0.085	ppbv		97
74) 1,2,4-Trimethylbenzene	16.96	105	131600	0.344	ppbv	#	71
80) Naphthalene,2-methyl-	25.15	142	2382	0.037	ppbv	#	58

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

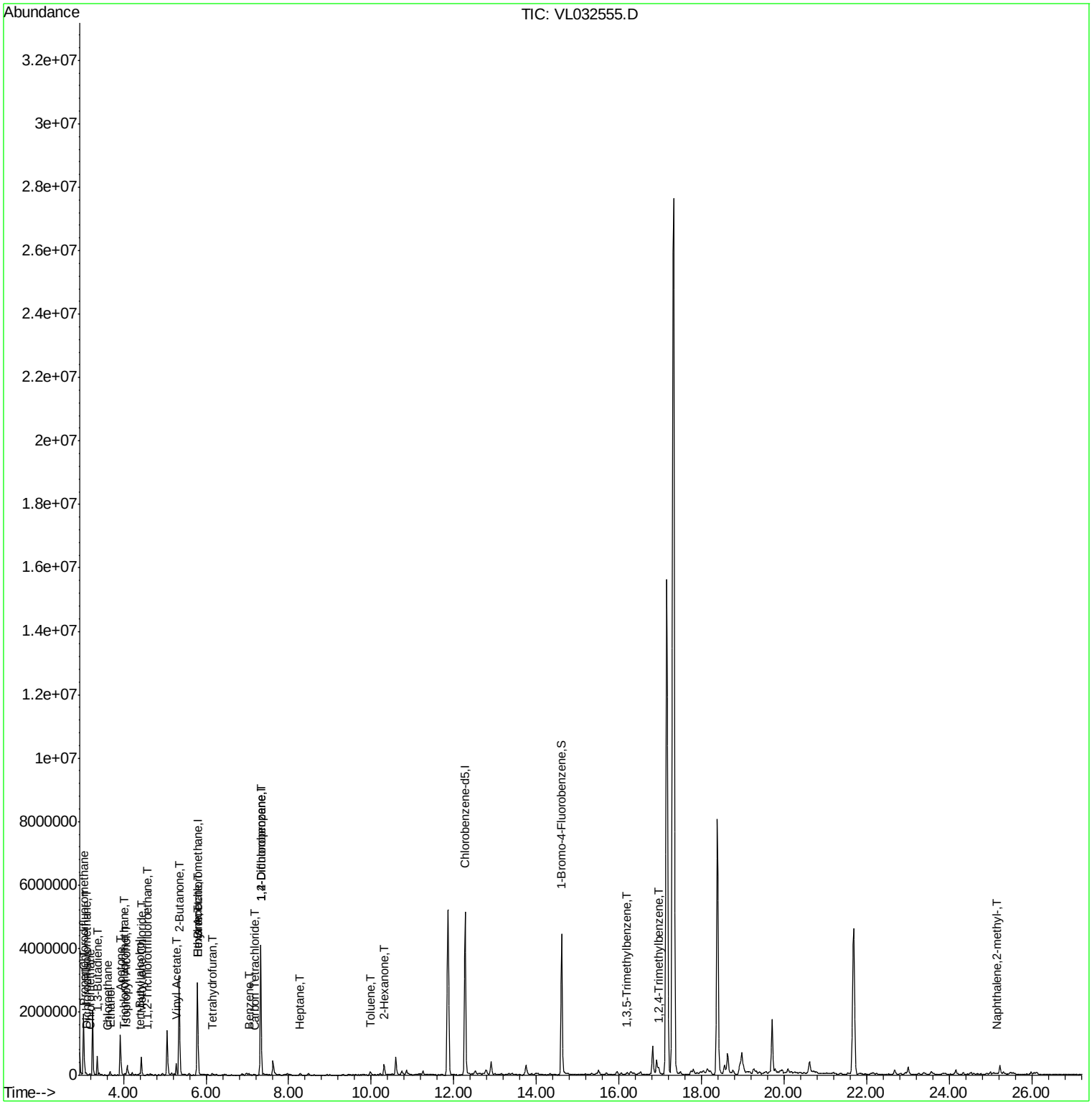
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\

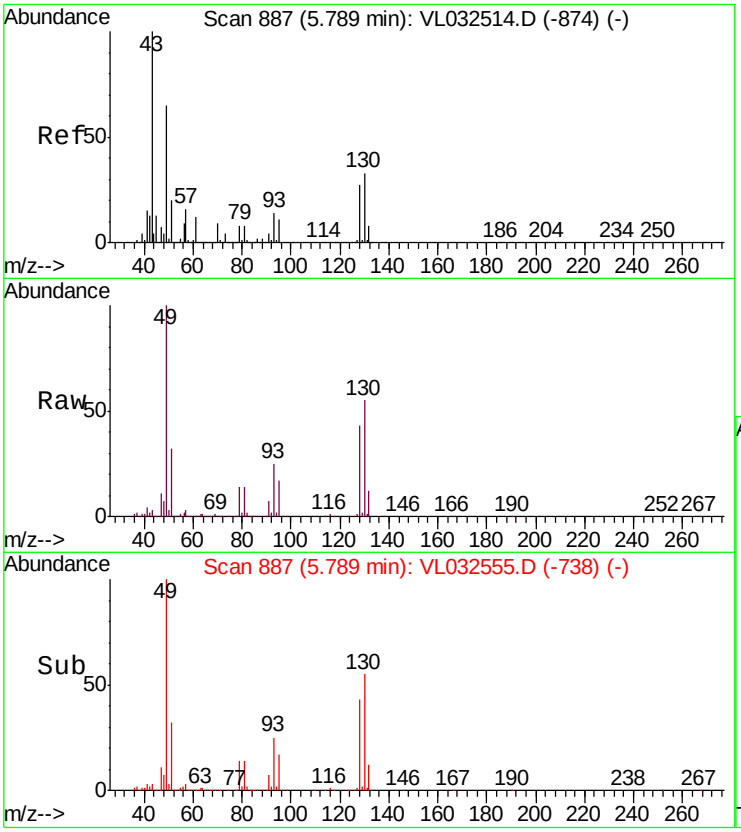
Quantitation Report (Not Reviewed)

Data File : VL032555.D
Acq On : 27 Sep 2018 18:46
Operator : SY/AP
Sample : J5136-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 247

Quant Time: Sep 28 02:09:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration



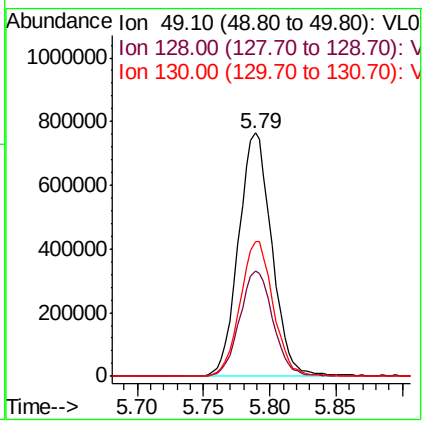


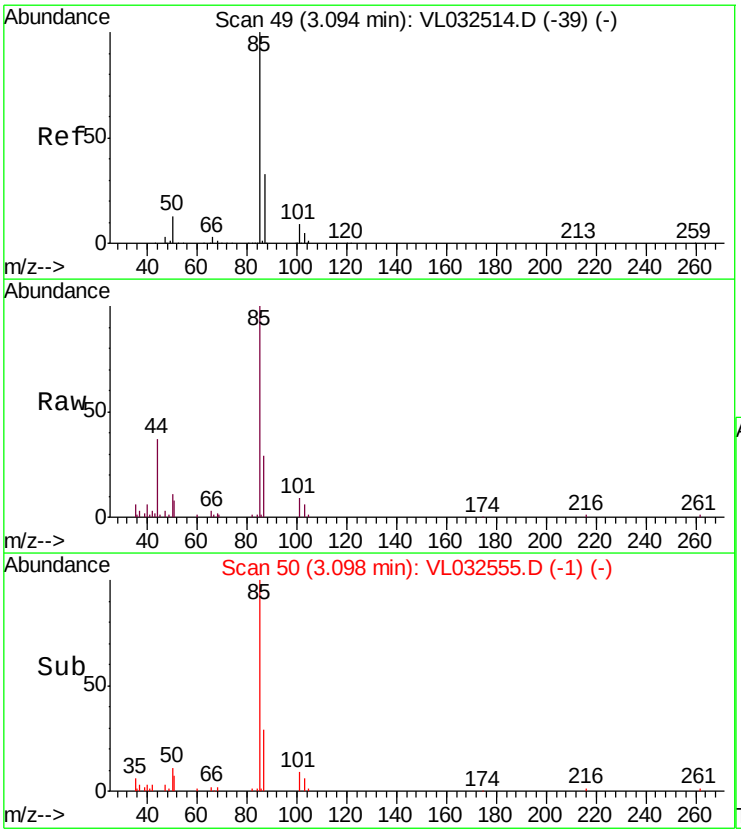
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument :
MSVOA_L
ClientSampleId :
247

Tgt Ion: 49 Resp: 1332636

Ion	Ratio	Lower	Upper
49	100		
128	43.6	20.7	62.1
130	55.6	26.6	79.7

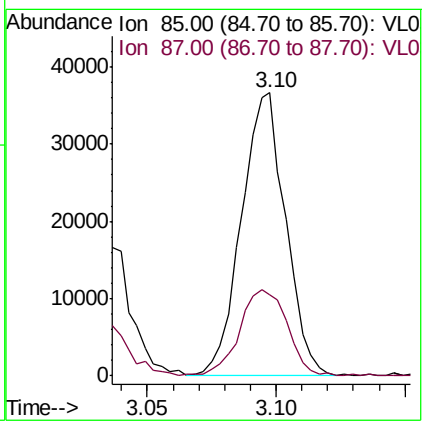


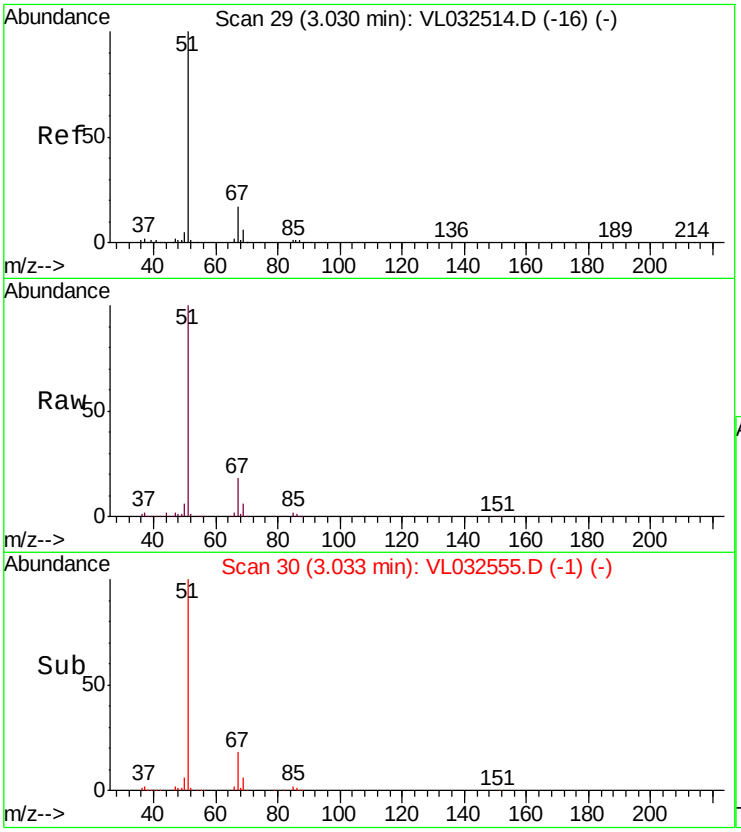


#2
Dichlorodifluoromethane
Concen: 0.357 ppbv
RT: 3.10 min Scan# 50
Delta R.T. -0.01 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 85 Resp: 43943

Ion	Ratio	Lower	Upper
85	100		
87	28.7	26.2	39.4



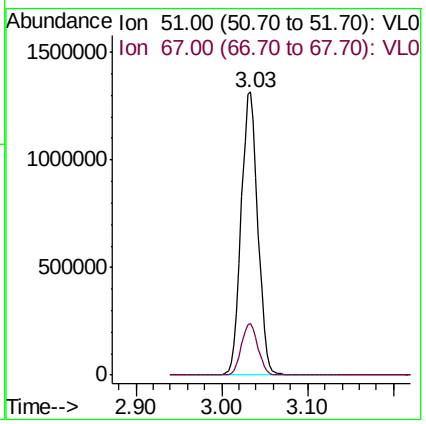


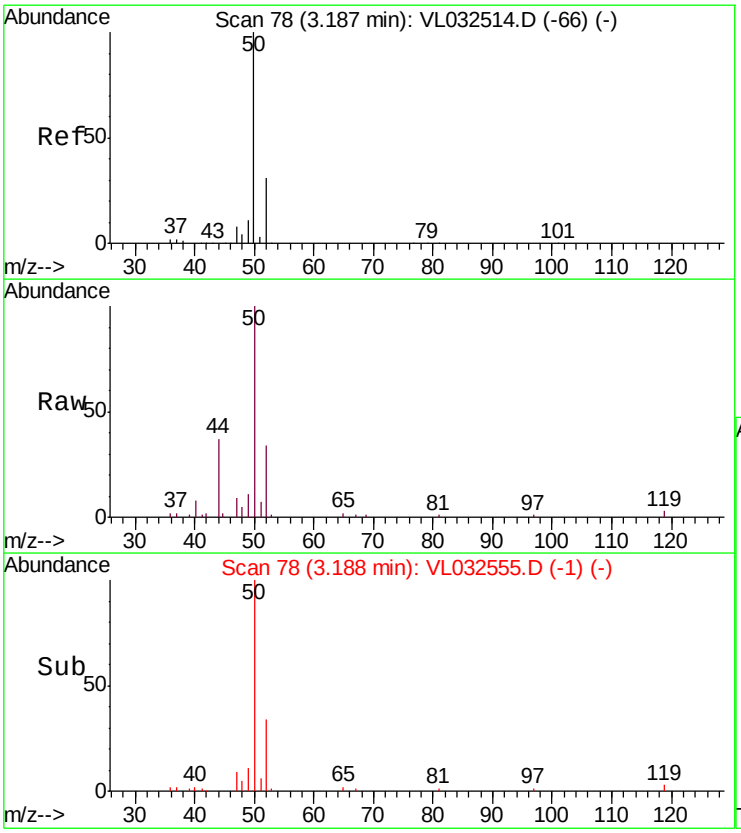
#3
Chlorodifluoromethane
Concen: 15.947 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.01 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument : MSVOA_L
ClientSampleId : 247

Tgt Ion: 51 Resp: 1767234

Ion	Ratio	Lower	Upper
51	100		
67	18.2	13.8	20.8

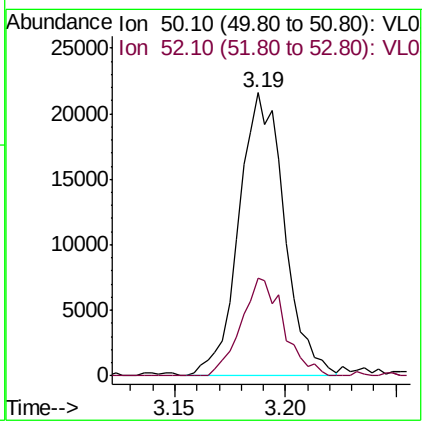


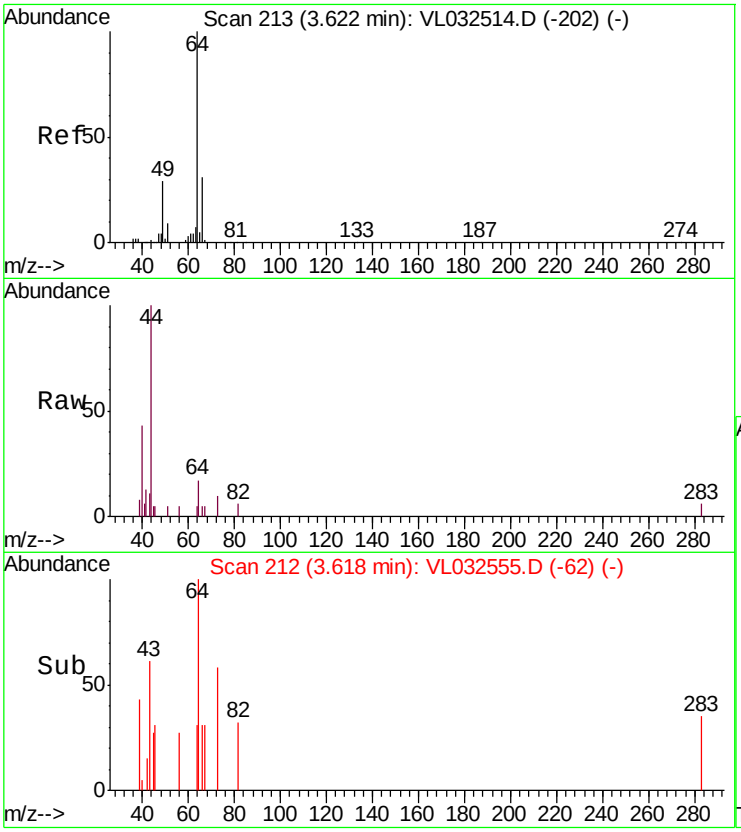


#4
Chloromethane
Concen: 0.480 ppbv
RT: 3.19 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 50 Resp: 30997

Ion	Ratio	Lower	Upper
50	100		
52	35.3	25.6	38.4



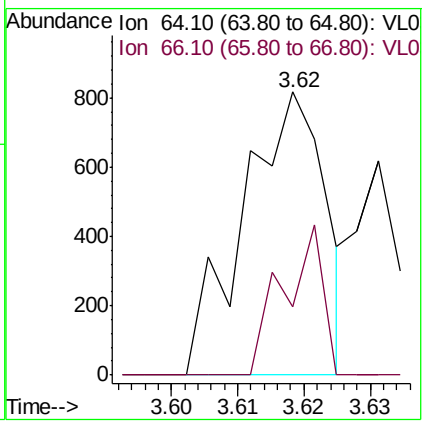


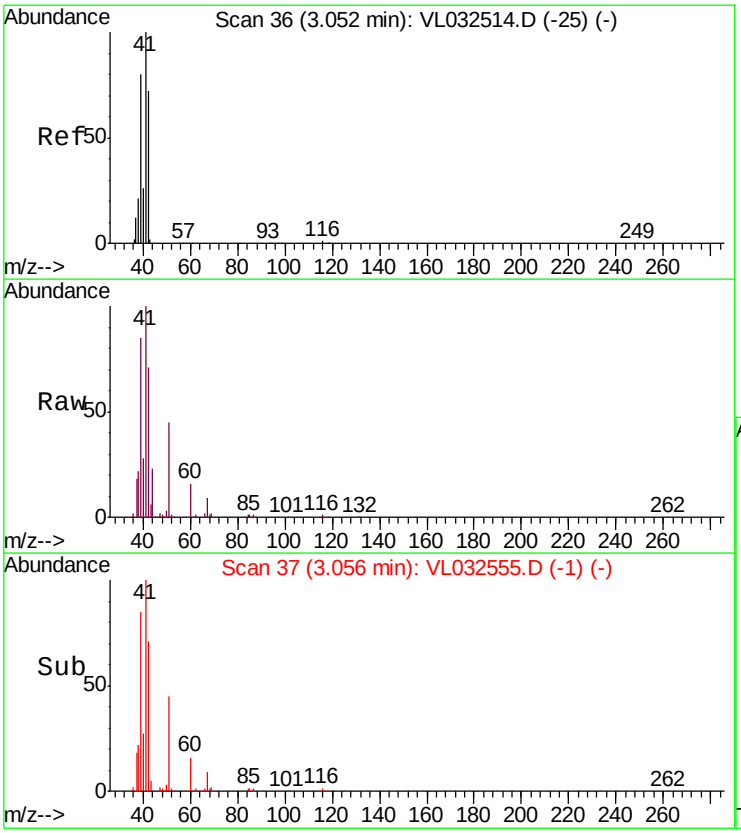
#7
Chloroethane
Concen: 0.030 ppbv
RT: 3.62 min Scan# 212
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument : MSVOA_L
ClientSampleId : 247

Tgt Ion: 64 Resp: 705

Ion	Ratio	Lower	Upper
64	100		
66	23.9	25.8	38.6#

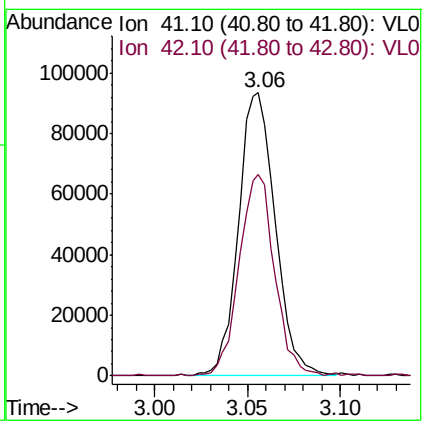


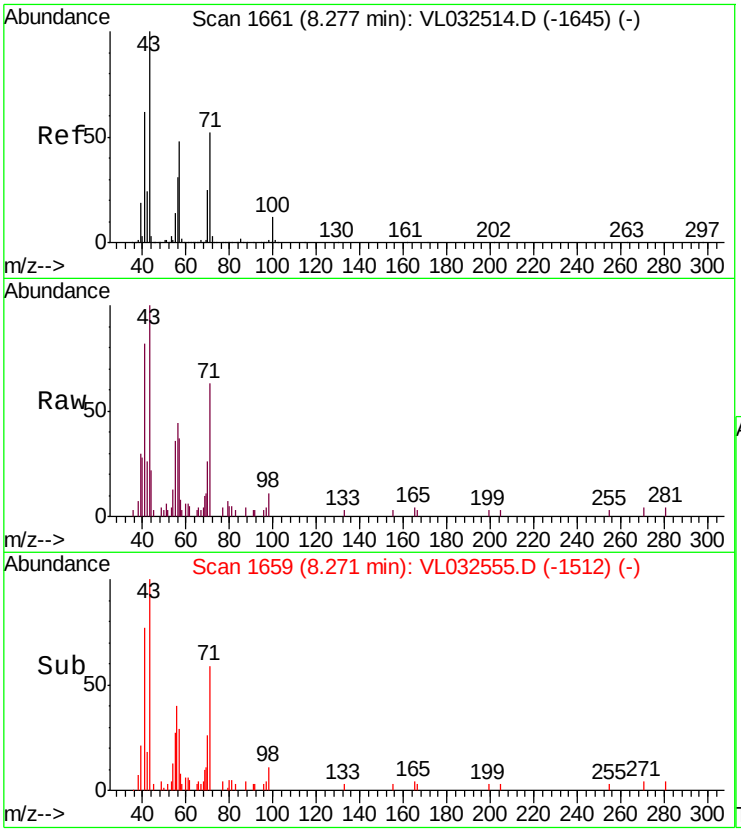


#9
Propene
Concen: 2.668 ppbv
RT: 3.06 min Scan# 37
Delta R.T. -0.01 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 41 Resp: 128308

Ion	Ratio	Lower	Upper
41	100		
42	69.9	56.6	84.8



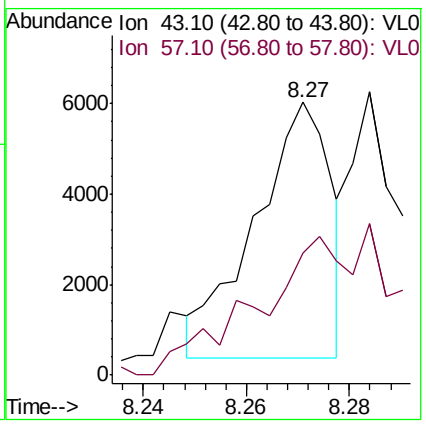


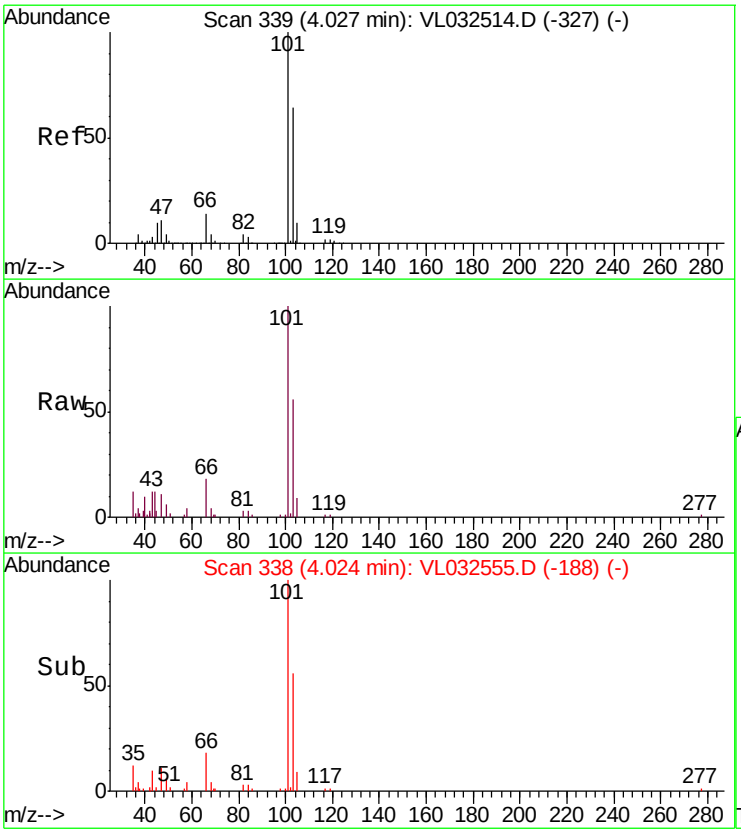
#10
Heptane
Concen: 0.033 ppbv
RT: 8.27 min Scan# 1659
Delta R.T. -0.03 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument :
MSVOA_L
ClientSampleId :
247

Tgt Ion: 43 Resp: 5785

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.6	59.4#

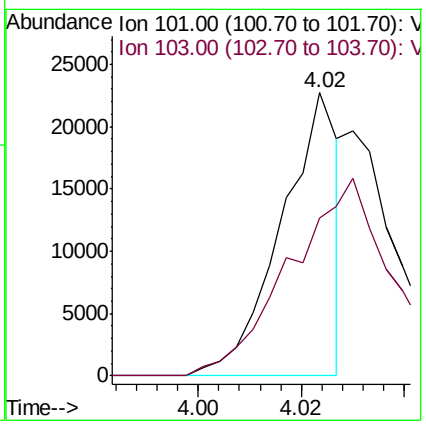


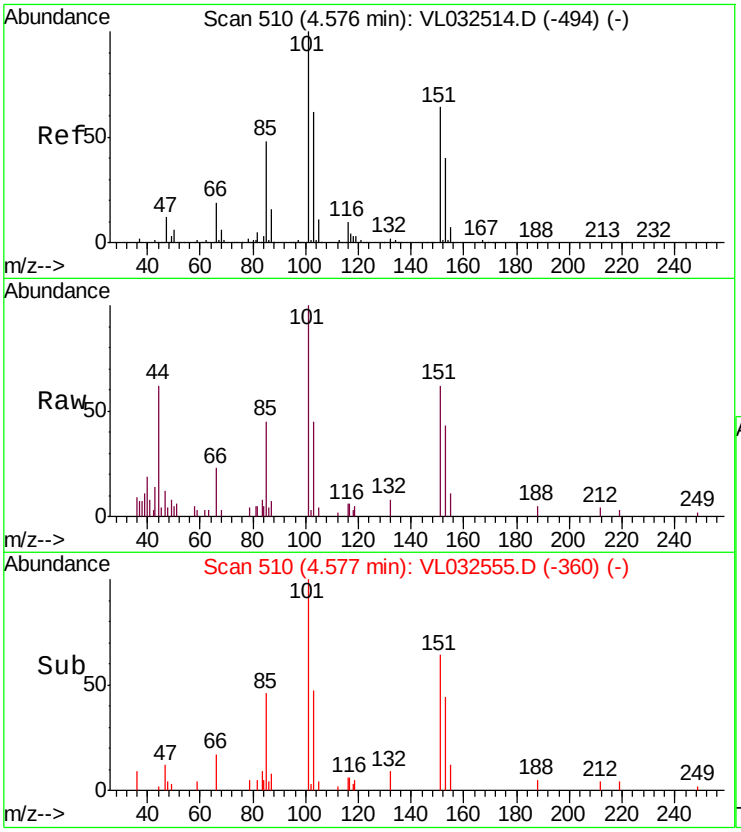


#11
Trichlorofluoromethane
Concen: 0.119 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion:101 Resp: 17458

Ion	Ratio	Lower	Upper
101	100		
103	55.9	52.8	79.2



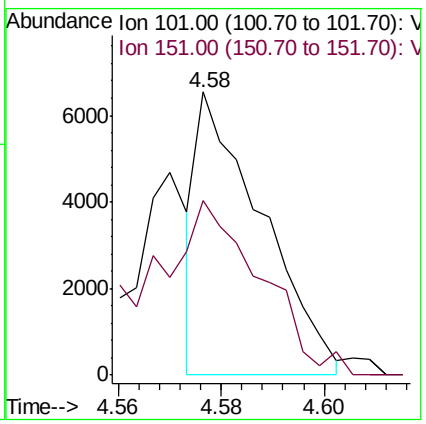


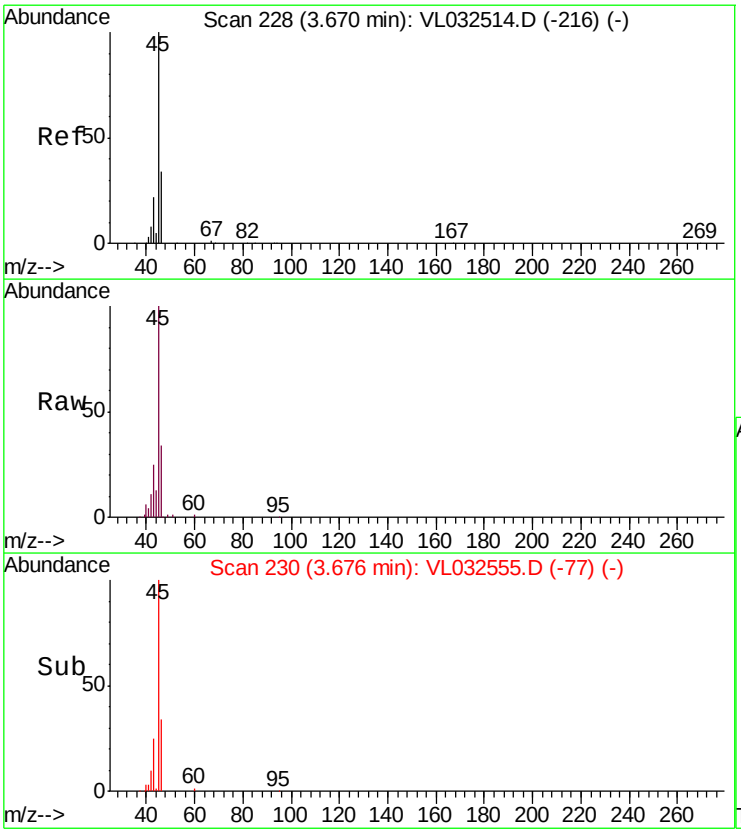
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.048 ppbv
RT: 4.58 min Scan# 510
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument :
MSVOA_L
ClientSampleId :
247

Tgt Ion:101 Resp: 5724

Ion	Ratio	Lower	Upper
101	100		
151	107.0	52.6	78.8#

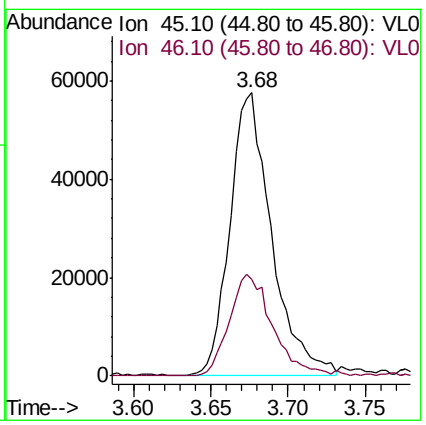


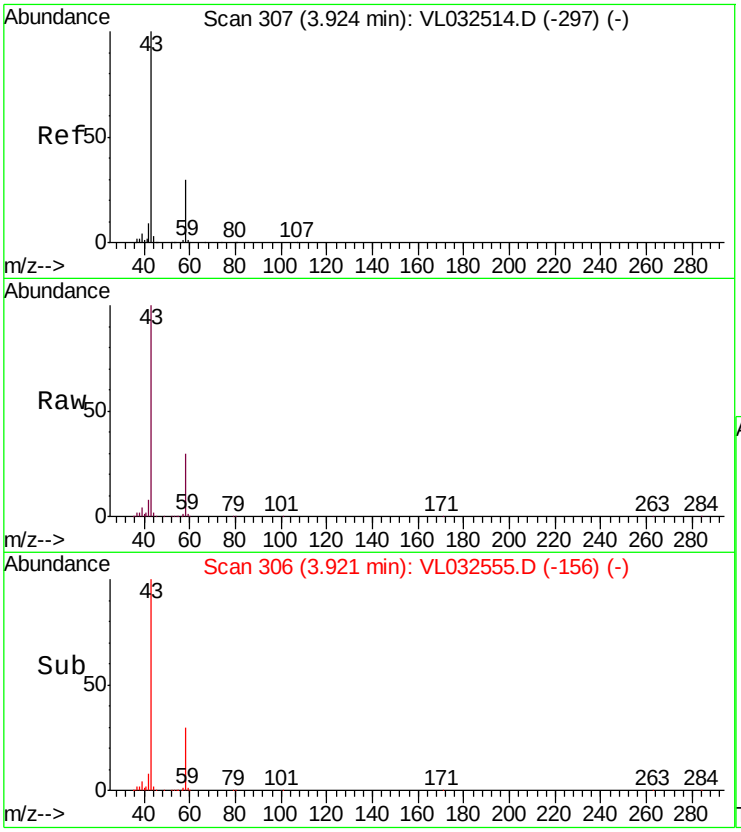


#13
Ethanol
Concen: 7.470 ppbv
RT: 3.68 min Scan# 230
Delta R.T. -0.01 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 45 Resp: 107962

Ion	Ratio	Lower	Upper
45	100		
46	37.4	14.2	56.8



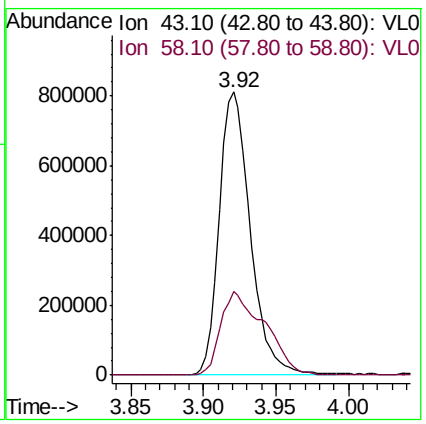


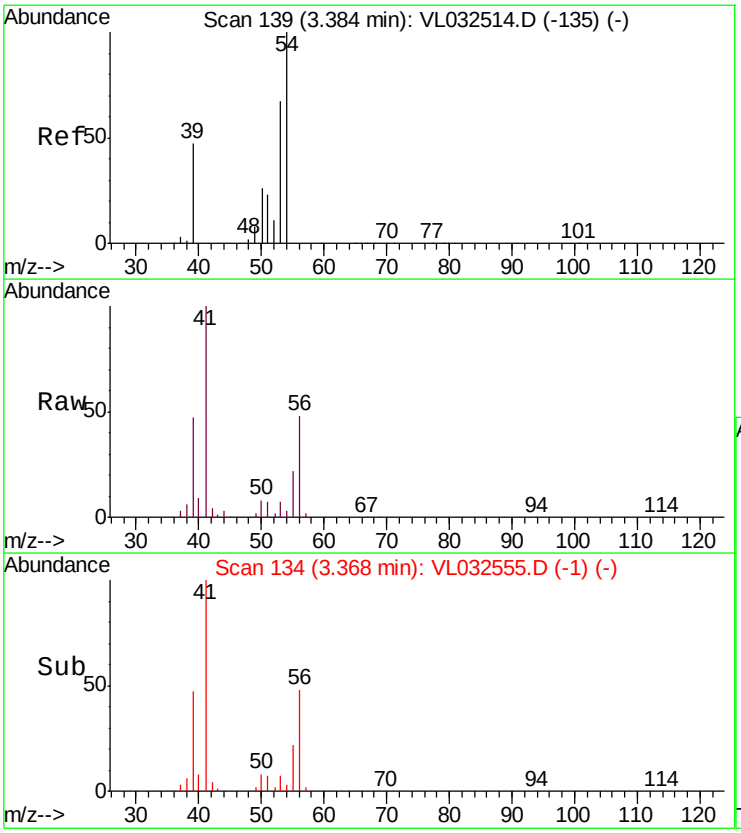
#15
Acetone
Concen: 10.324 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument :
MSVOA_L
ClientSampleId :
247

Tgt Ion: 43 Resp: 1207616

Ion	Ratio	Lower	Upper
43	100		
58	42.1	22.6	33.8#

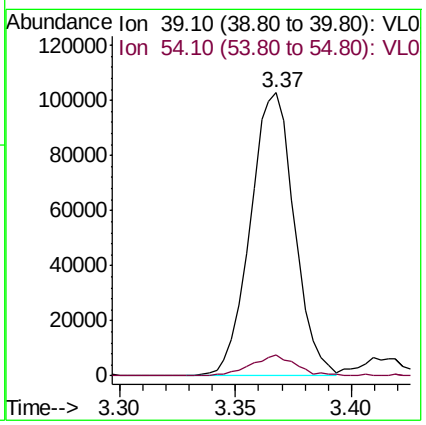


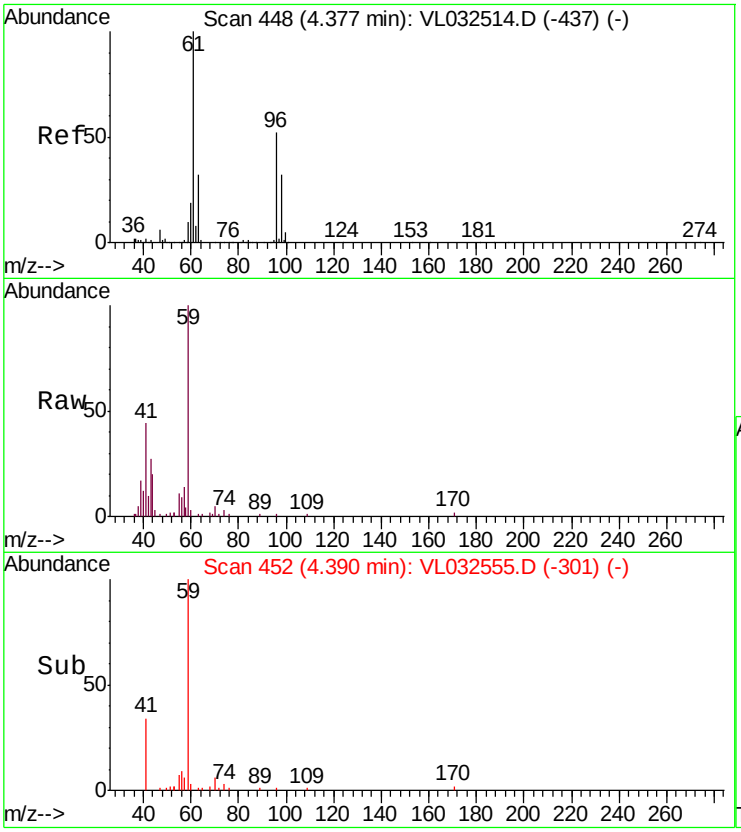


#16
1,3-Butadiene
Concen: 2.850 ppbv
RT: 3.37 min Scan# 134
Delta R.T. -0.03 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 39 Resp: 135223

Ion	Ratio	Lower	Upper
39	100		
54	7.9	80.8	121.2#



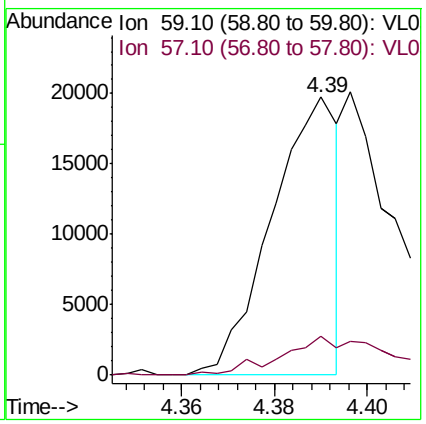


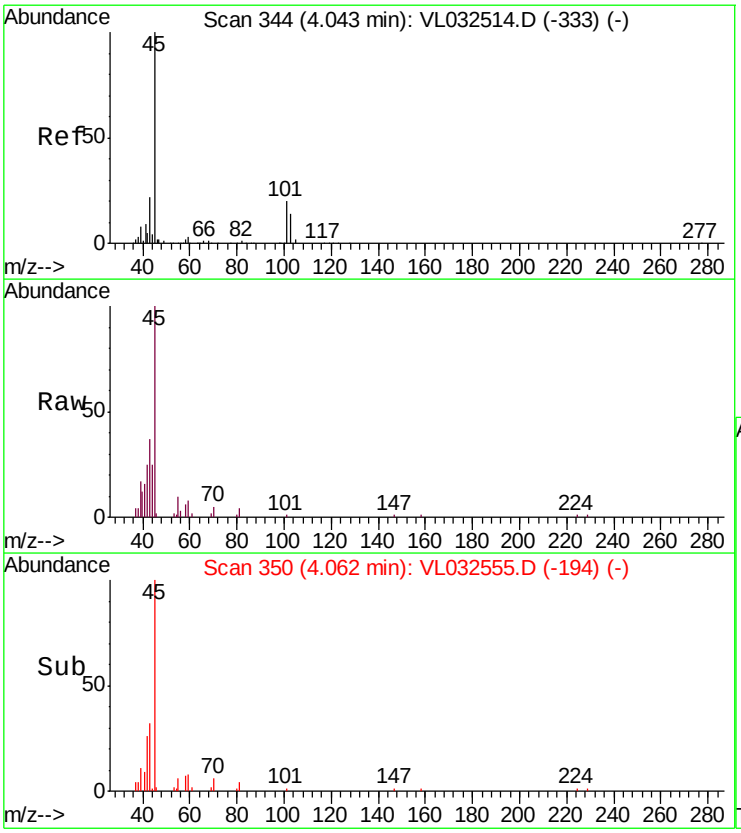
#17
tert-Butyl alcohol
Concen: 1.337 ppbv
RT: 4.39 min Scan# 452
Delta R.T. -0.01 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument :
MSVOA_L
ClientSampleId :
247

Tgt Ion: 59 Resp: 19653

Ion	Ratio	Lower	Upper
59	100		
57	24.3	0.0	0.0#

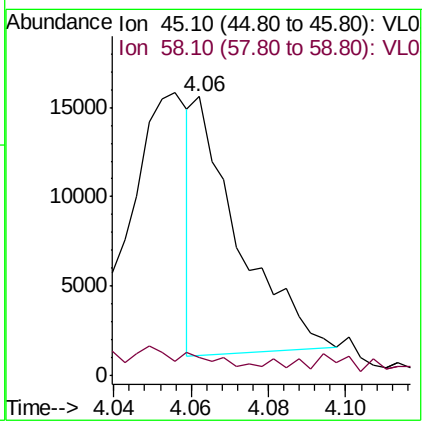


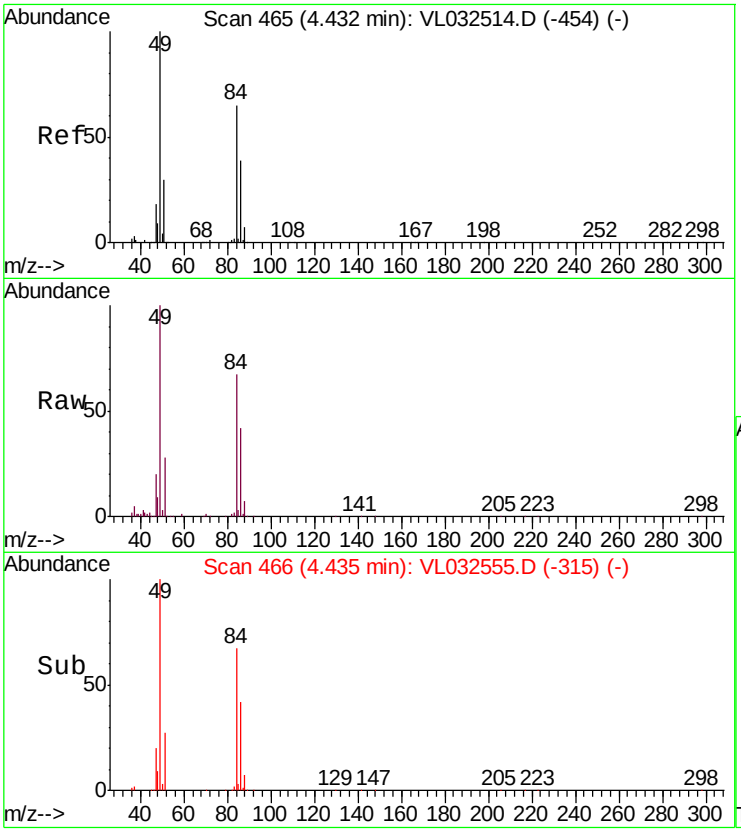


#19
Isopropyl Alcohol
Concen: 0.143 ppbv
RT: 4.06 min Scan# 350
Delta R.T. 0.00 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 45 Resp: 11626

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#



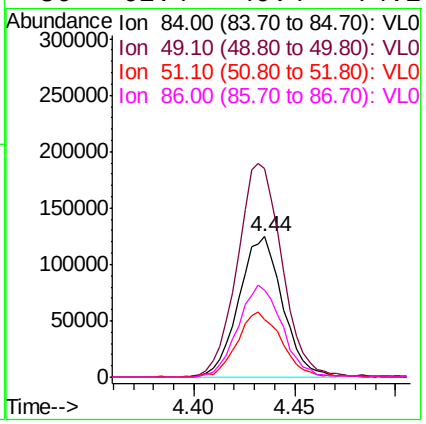


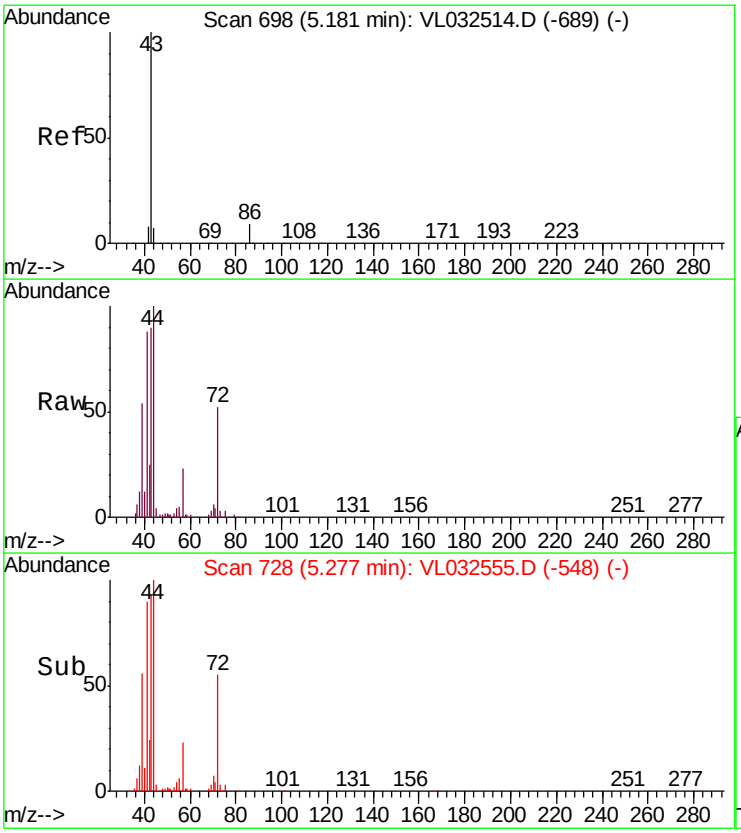
#20
Methylene Chloride
Concen: 3.351 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument : MSVOA_L
ClientSampleId : 247

Tgt Ion: 84 Resp: 189809

Ion	Ratio	Lower	Upper
84	100		
49	148.6	119.1	178.7
51	40.5	35.2	52.8
86	62.4	49.4	74.2

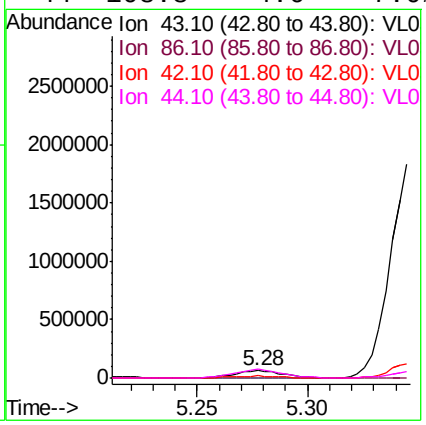


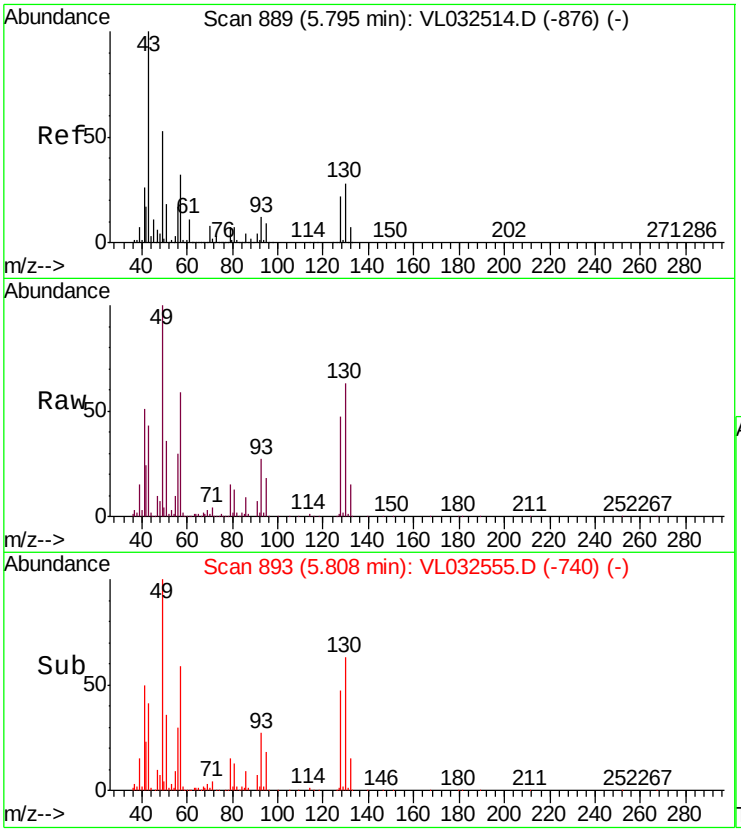


#23
Vinyl Acetate
Concen: 0.466 ppbv
RT: 5.28 min Scan# 728
Delta R.T. 0.08 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 43 Resp: 96389

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#
42	26.9	6.9	10.3#
44	108.8	4.6	7.0#



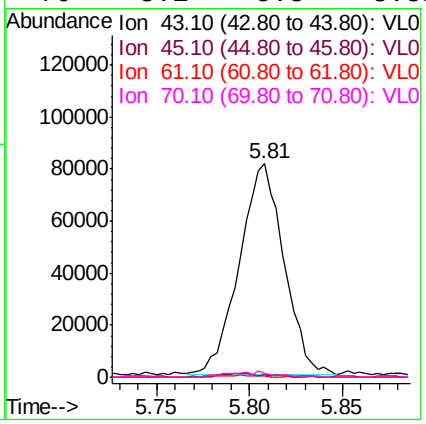


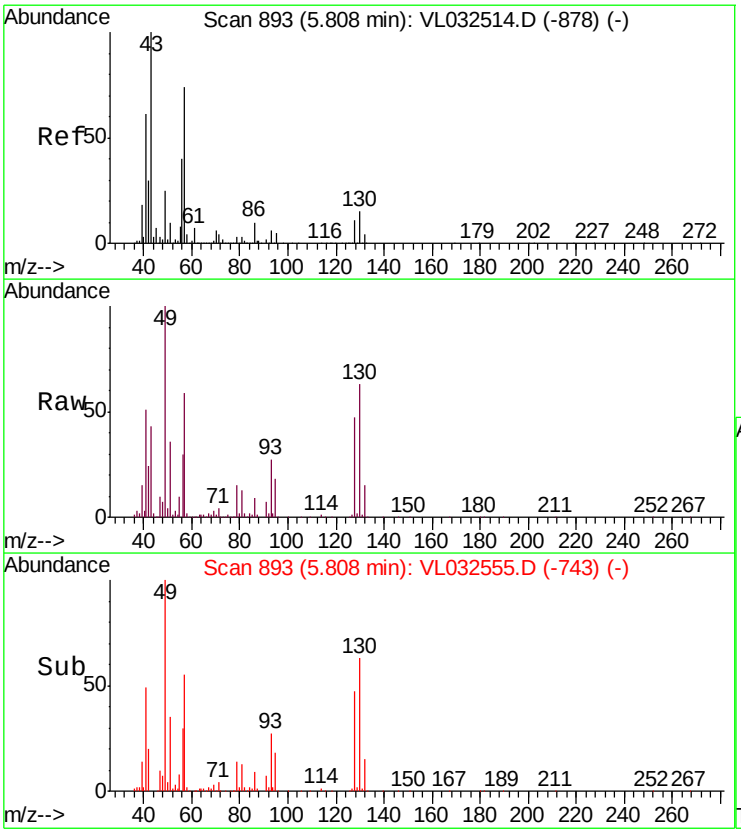
#25
Ethyl Acetate
Concen: 0.478 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument : MSVOA_L
ClientSampleId : 247

Tgt Ion: 43 Resp: 135809

Ion	Ratio	Lower	Upper
43	100		
45	2.2	8.0	12.0#
61	1.1	7.6	11.4#
70	3.1	5.8	8.8#

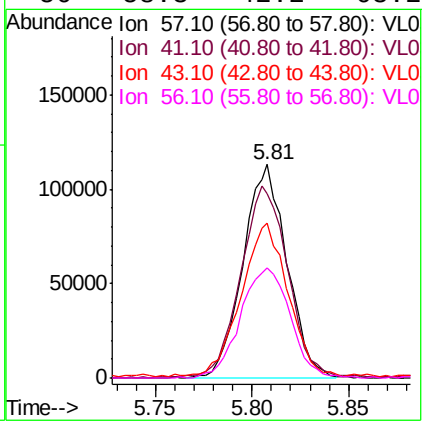


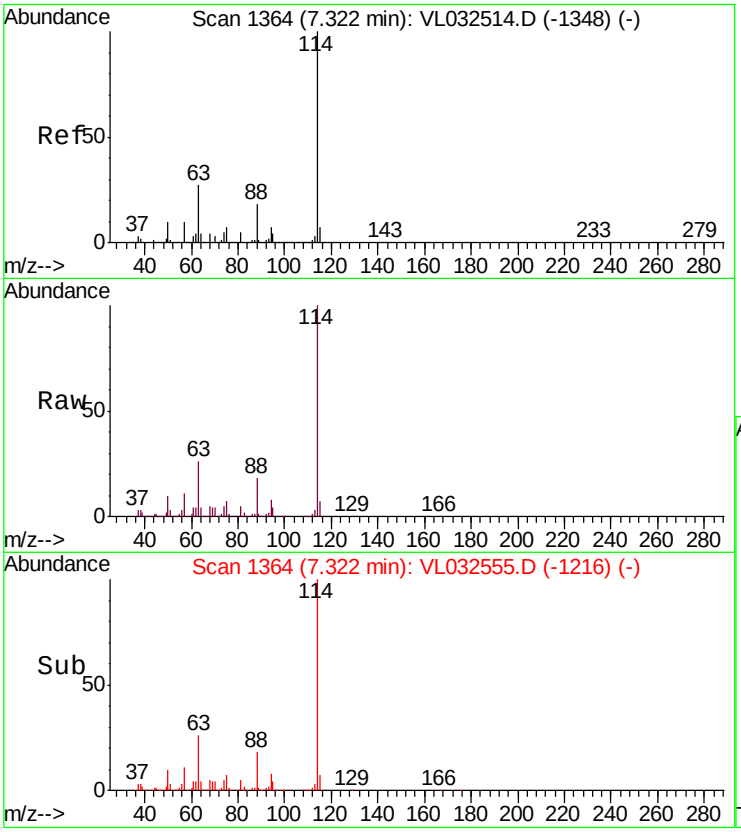


#26
Hexane
Concen: 1.395 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 57 Resp: 178885

Ion	Ratio	Lower	Upper
57	100		
41	97.6	69.0	103.4
43	77.7	172.1	258.1#
56	58.3	42.2	63.2



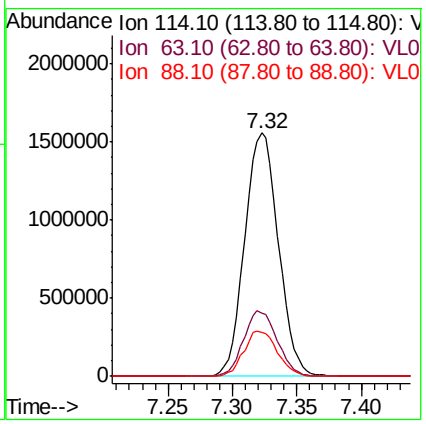


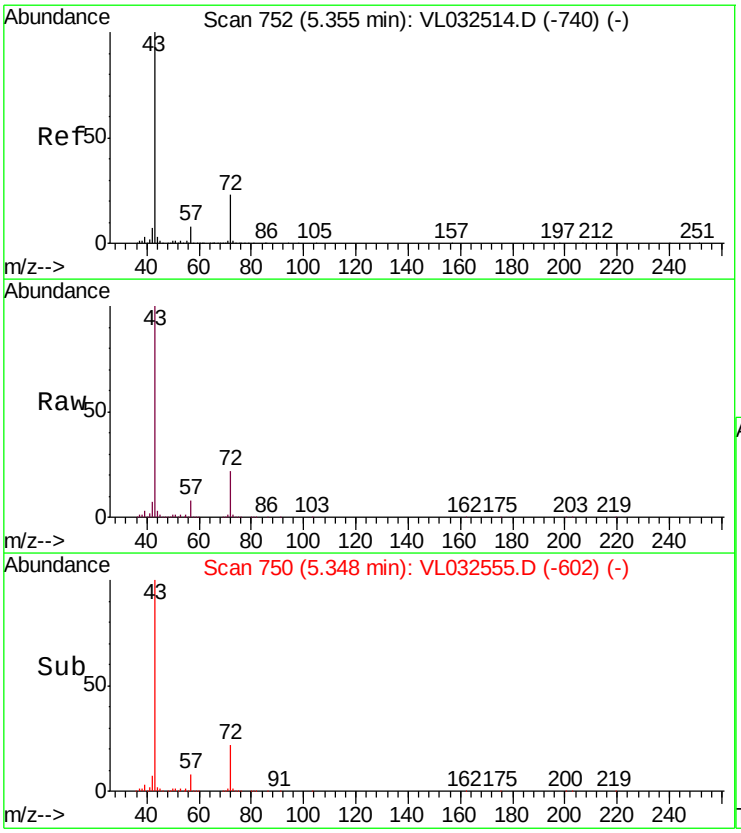
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1364
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument :
MSVOA_L
ClientSampleId :
247

Tgt Ion:114 Resp: 2844581

Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.2	33.4
88	18.6	15.0	22.4

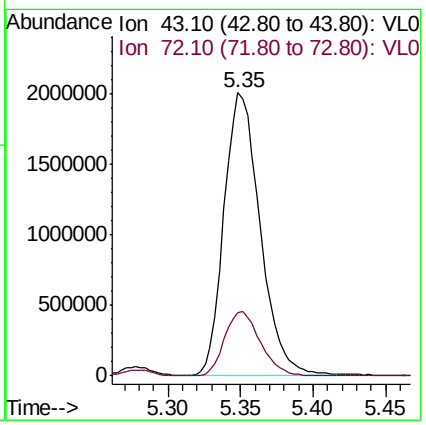


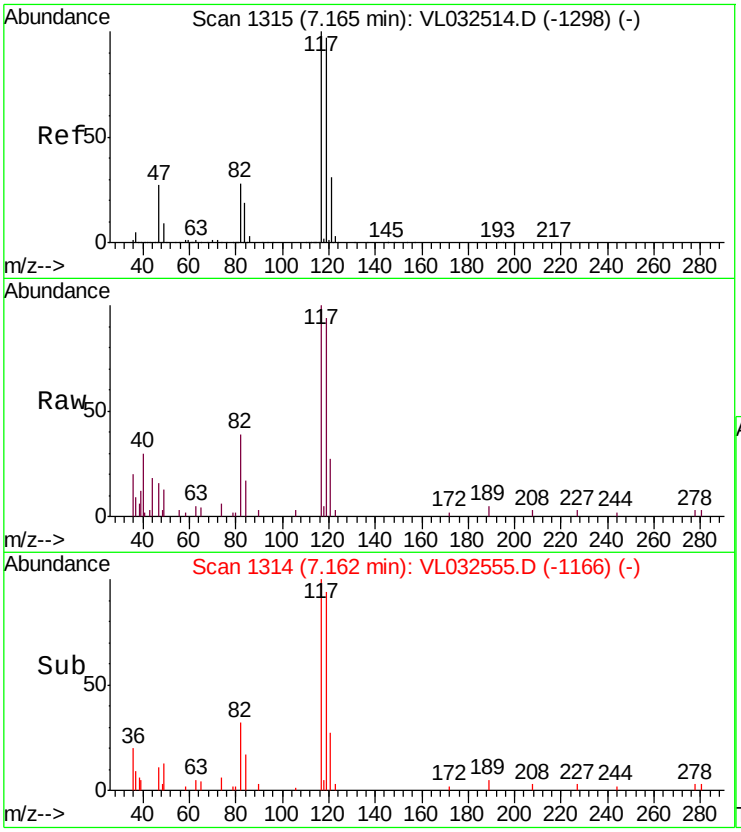


#34
2-Butanone
Concen: 20.479 ppbv
RT: 5.35 min Scan# 750
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 43 Resp: 3469039

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.8	26.6



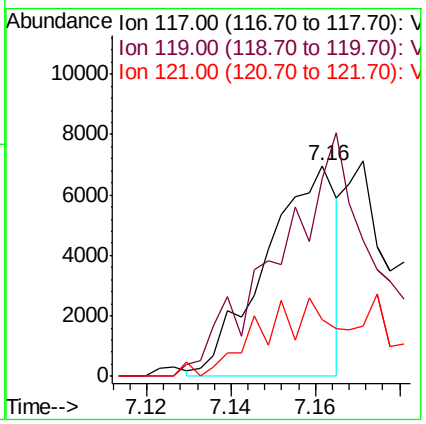


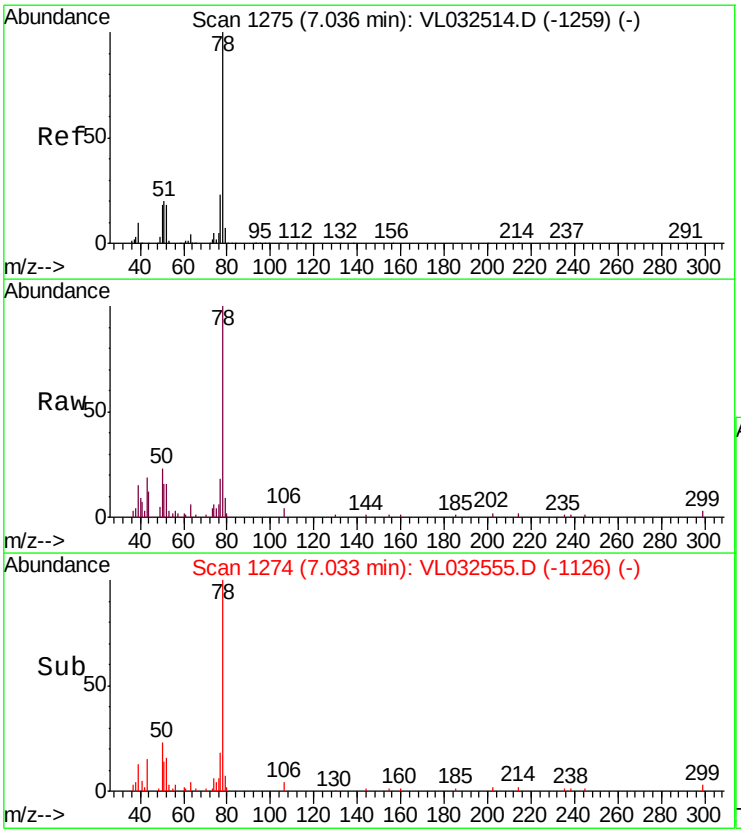
#35
Carbon Tetrachloride
Concen: 0.041 ppbv
RT: 7.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument : MSVOA_L
ClientSampleId : 247

Tgt Ion:117 Resp: 8143

Ion	Ratio	Lower	Upper
117	100		
119	90.4	76.6	115.0
121	20.1	24.6	36.8#

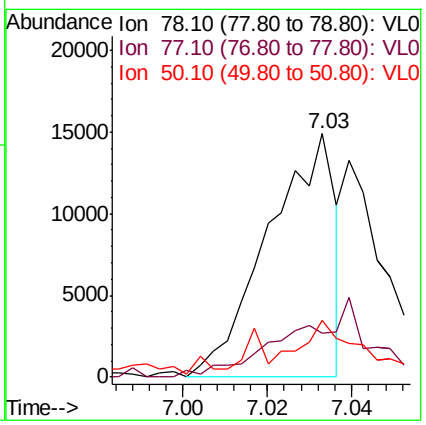


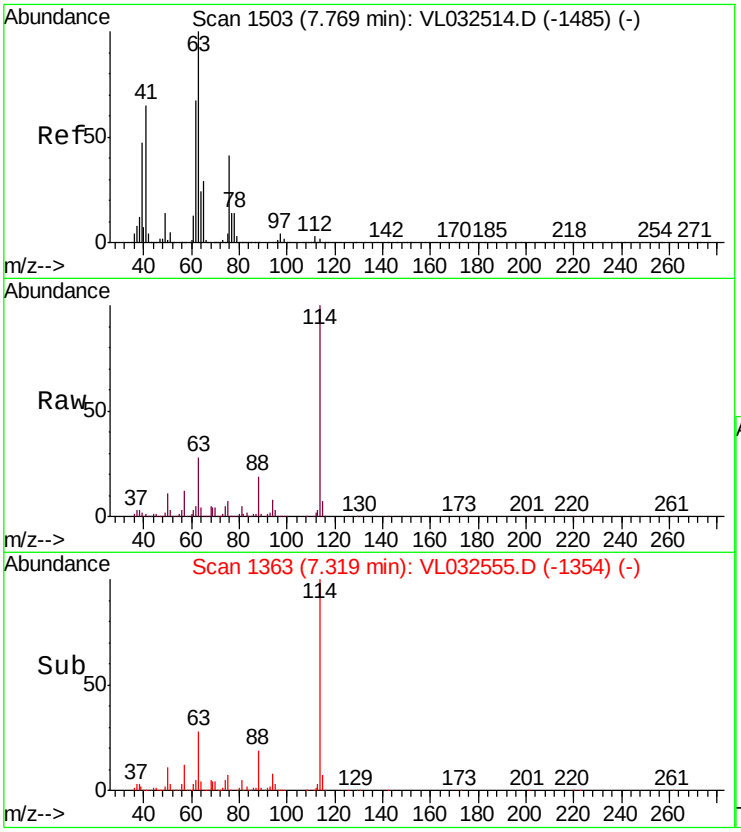


#36
Benzene
Concen: 0.071 ppbv
RT: 7.03 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 78 Resp: 16409

Ion	Ratio	Lower	Upper
78	100		
77	15.7	18.4	27.6#
50	22.5	14.4	21.6#



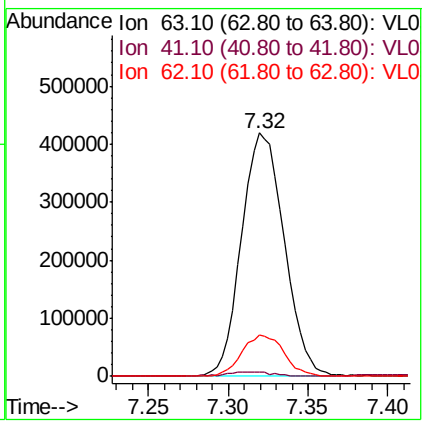


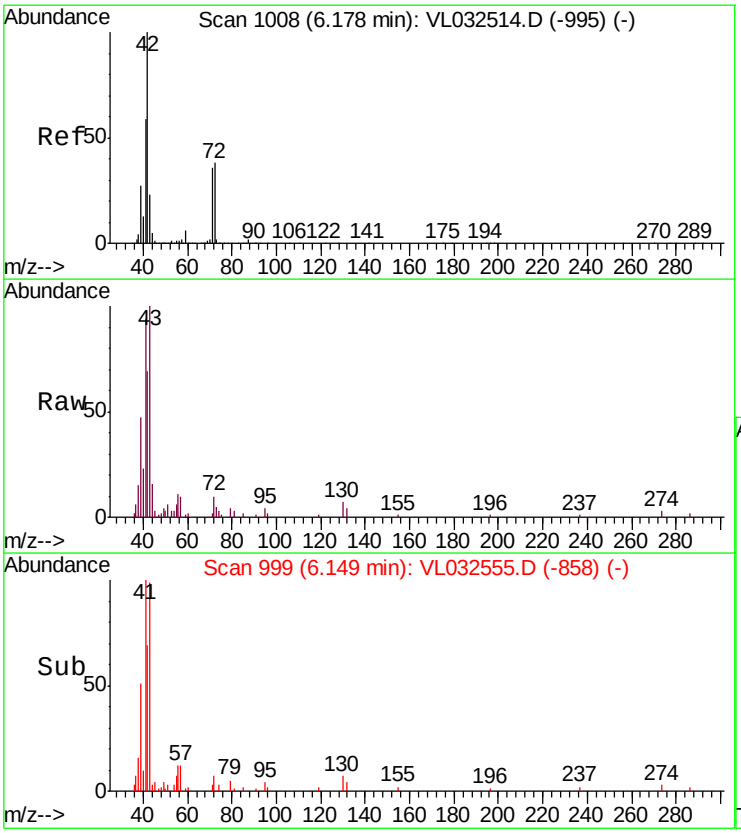
#39
1,2-Dichloropropane
Concen: 7.372 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.47 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument : MSVOA_L
ClientSampleId : 247

Tgt Ion: 63 Resp: 763687

Ion	Ratio	Lower	Upper
63	100		
41	1.7	55.4	83.0#
62	16.8	55.4	83.0#

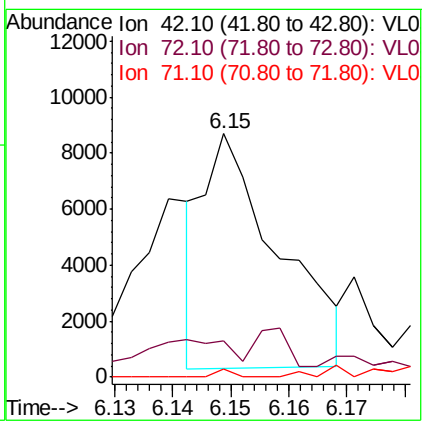


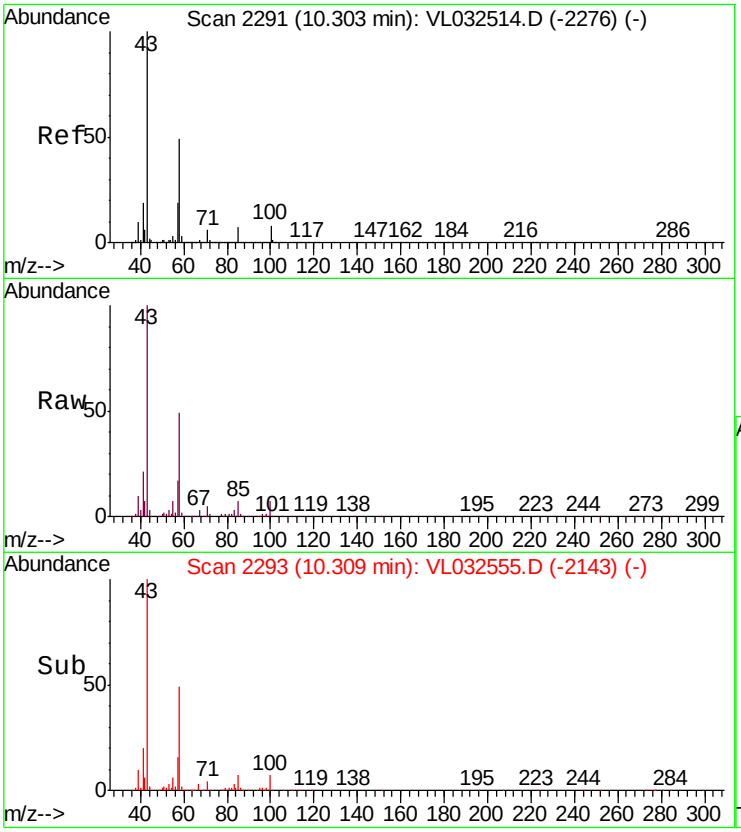


#41
Tetrahydrofuran
Concen: 0.081 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.05 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 42 Resp: 7482

Ion	Ratio	Lower	Upper
42	100		
72	57.7	29.5	44.3#
71	0.0	28.3	42.5#



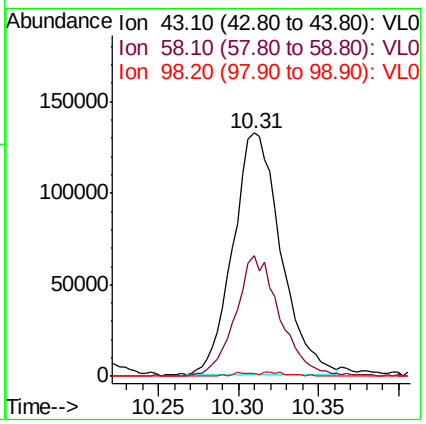


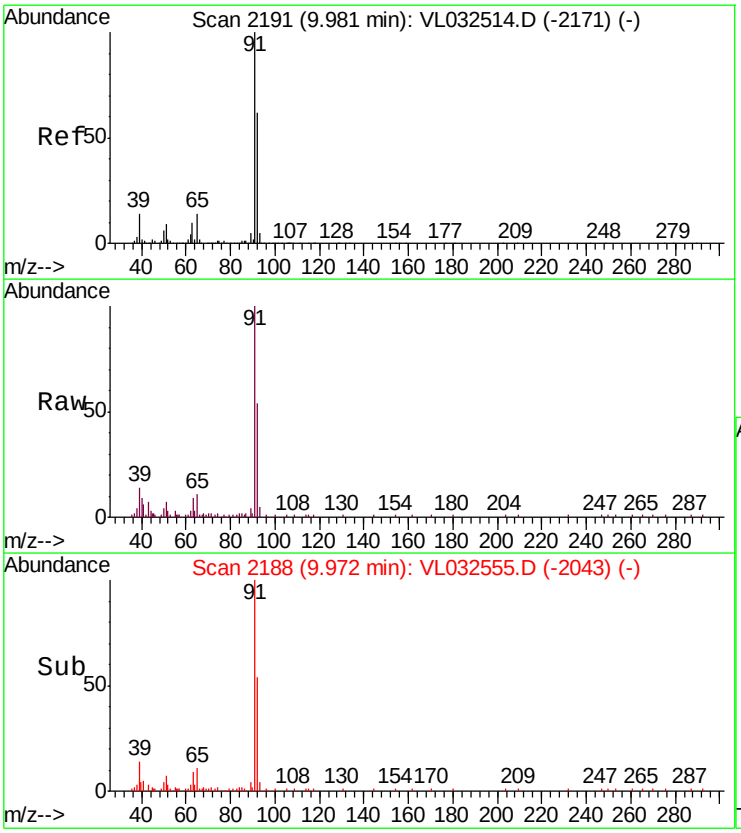
#51
2-Hexanone
Concen: 1.232 ppbv
RT: 10.31 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument : MSVOA_L
ClientSampleId : 247

Tgt Ion: 43 Resp: 271369

Ion	Ratio	Lower	Upper
43	100		
58	46.8	39.2	58.8
98	1.8	0.4	0.6#

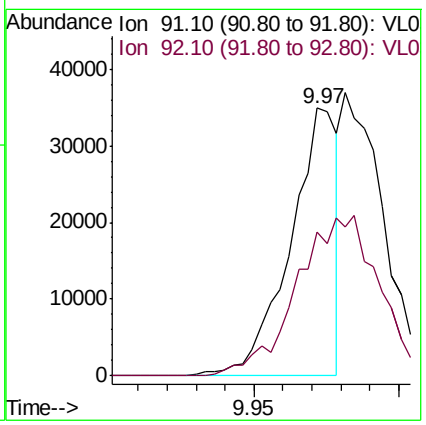


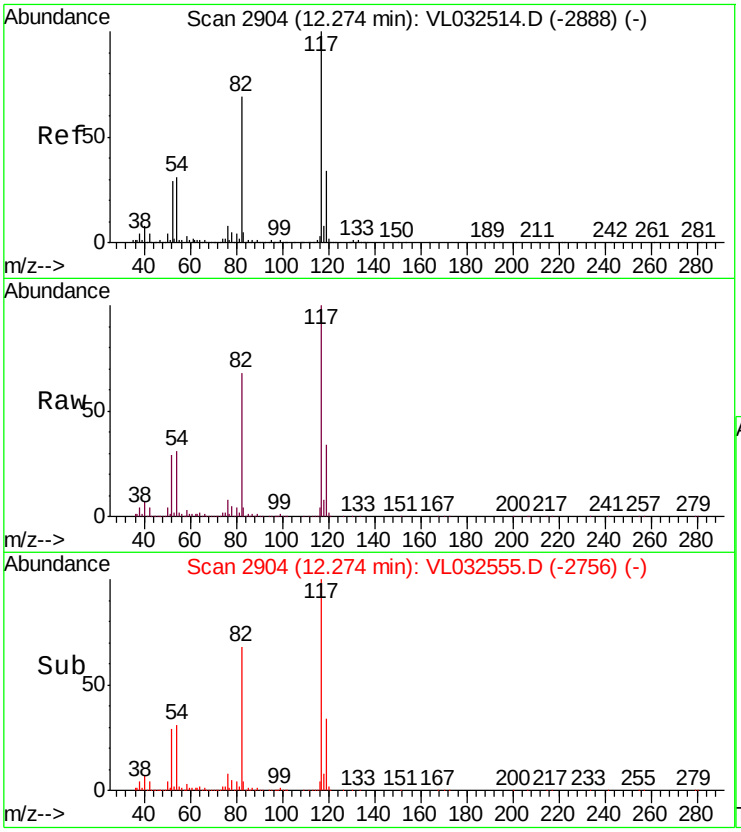


#53
Toluene
Concen: 0.140 ppbv
RT: 9.97 min Scan# 2188
Delta R.T. -0.03 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 91 Resp: 39124

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.1	72.1#



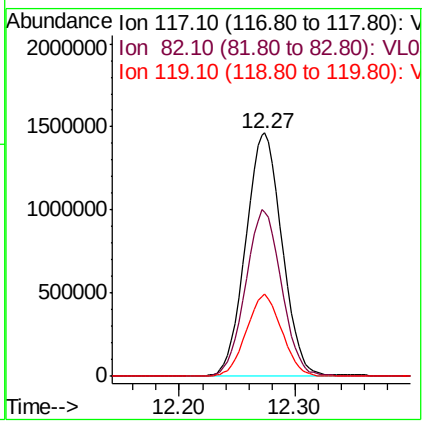


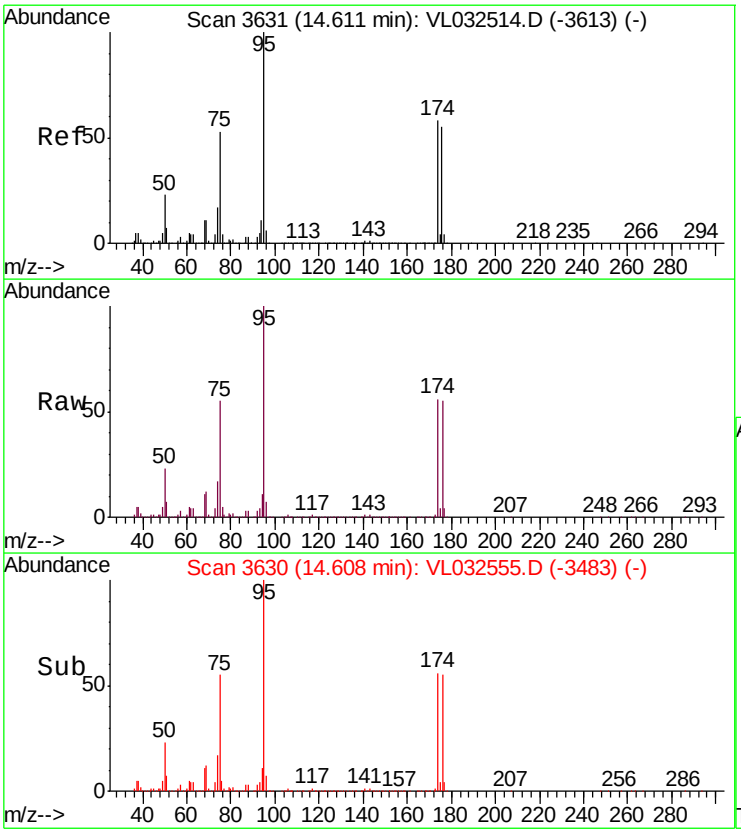
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument :
MSVOA_L
ClientSampleId :
247

Tgt Ion:117 Resp: 3201662

Ion	Ratio	Lower	Upper
117	100		
82	67.8	53.0	79.6
119	32.9	45.9	68.9#

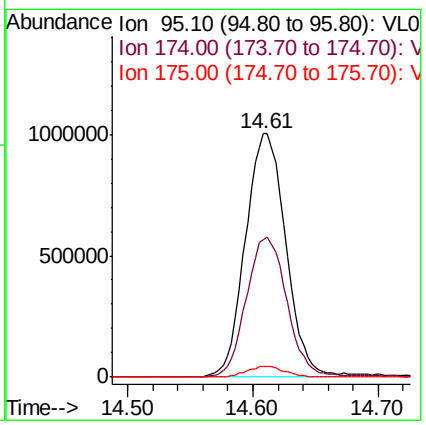


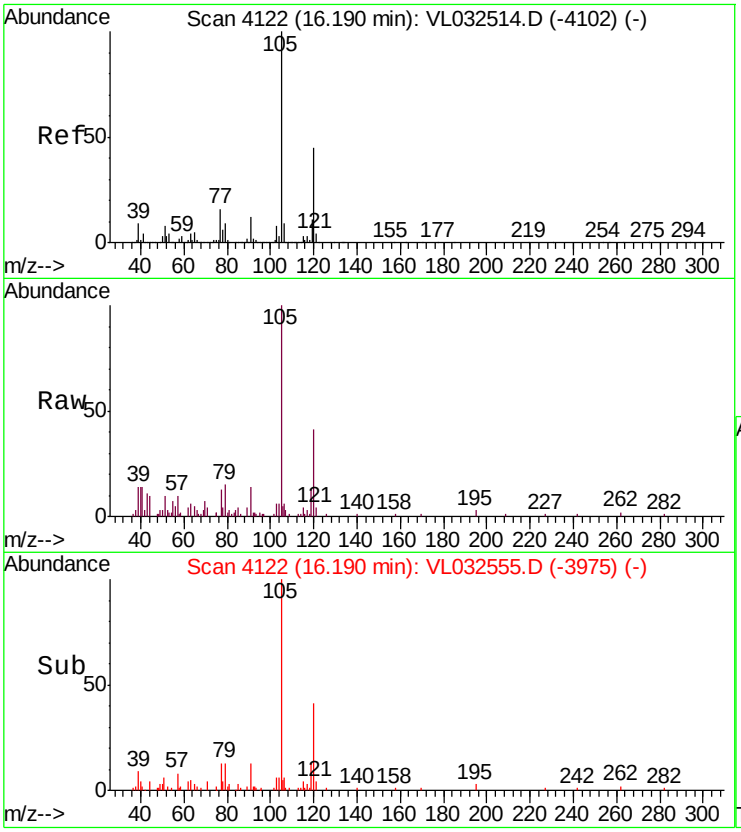


#68
1-Bromo-4-Fluorobenzene
Concen: 9.283 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion: 95 Resp: 2241305

Ion	Ratio	Lower	Upper
95	100		
174	58.5	46.3	69.5
175	4.3	3.4	5.0



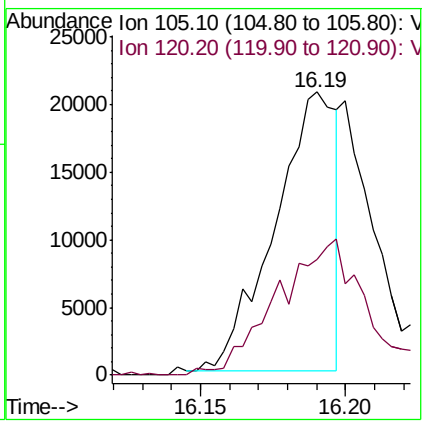


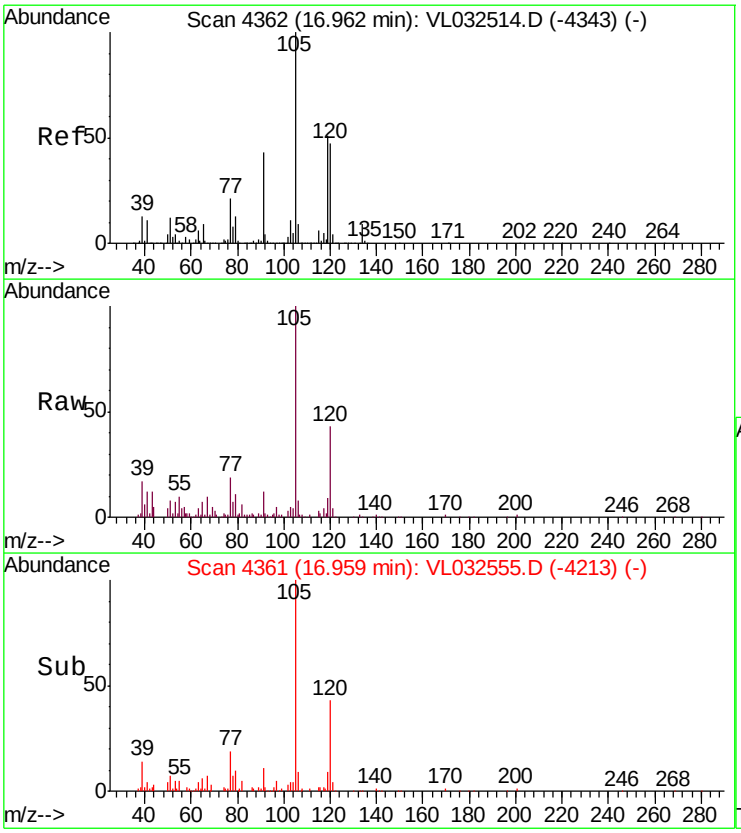
#73
1,3,5-Trimethylbenzene
Concen: 0.085 ppbv
RT: 16.19 min Scan# 4122
Delta R.T. -0.03 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument :
MSVOA_L
ClientSampleId :
247

Tgt Ion:105 Resp: 30325

Ion	Ratio	Lower	Upper
105	100		
120	45.7	37.9	56.9

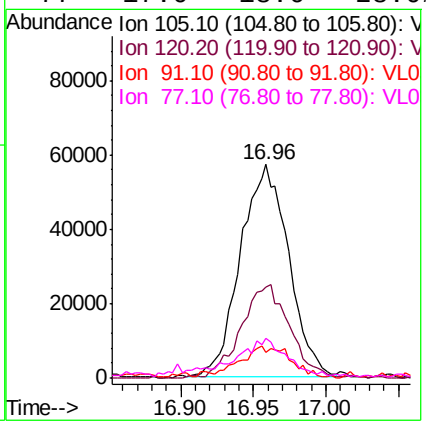


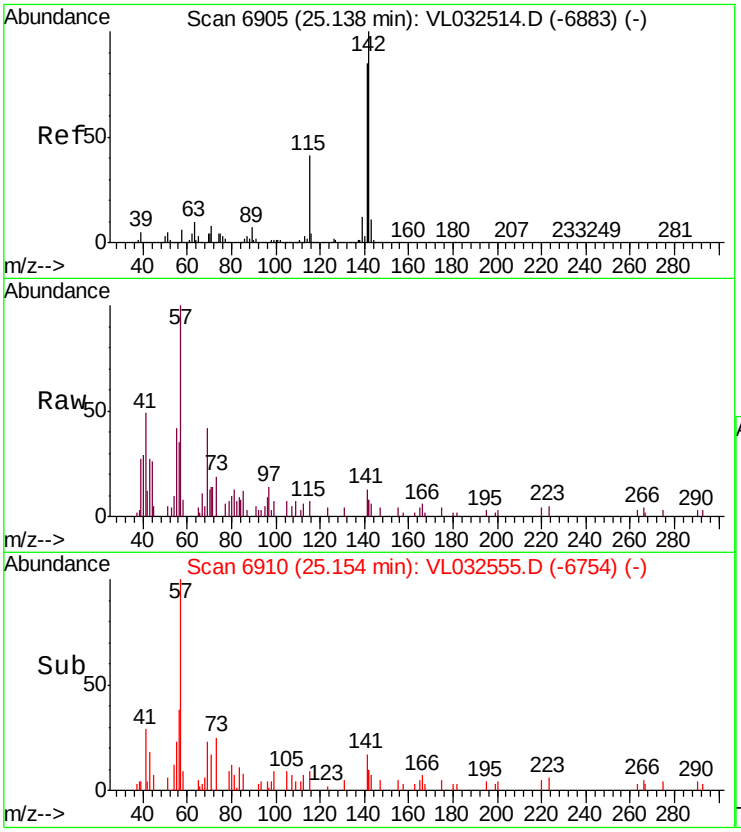


#74
1,2,4-Trimethylbenzene
Concen: 0.344 ppbv
RT: 16.96 min Scan# 4361
Delta R.T. -0.02 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Tgt Ion:105 Resp: 131600

Ion	Ratio	Lower	Upper
105	100		
120	42.4	37.8	56.8
91	12.2	41.4	62.0#
77	17.0	18.6	28.0#





#80
Naphthalene,2-methyl-
Concen: 0.037 ppbv
RT: 25.15 min Scan# 6910
Delta R.T. 0.00 min
Lab File: VL032555.D
Acq: 27 Sep 2018 18:46

Instrument :
MSVOA_L
ClientSampleId :
247

Tgt Ion:142 Resp: 2382

Ion	Ratio	Lower	Upper
142	100		
141	52.2	67.0	100.6#
115	4.5	31.3	46.9#