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

Quantitation Report (Not Reviewed)

Data File : VL032553.D
Acq On : 27 Sep 2018 17:16
Operator : SY/AP
Sample : J5136-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 239-LODGE

Quant Time: Sep 28 02:08:31 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	5.78	49	1260329	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.32	114	2649053	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	2941413	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2082123	9.39	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	27513	0.236	ppbv	100
3) Chlorodifluoromethane	3.03	51	1135430	10.833	ppbv	97
4) Chloromethane	3.18	50	25149	0.412	ppbv	99
9) Propene	3.05	41	19331	0.425	ppbv	99
11) Trichlorofluoromethane	4.03	101	27318	0.197	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.58	101	5665	0.050	ppbv #	72
13) Ethanol	3.67	45	79726	5.833	ppbv	96
15) Acetone	3.92	43	661678	5.981	ppbv	95
16) 1,3-Butadiene	3.36	39	13574	0.303	ppbv #	15
17) tert-Butyl alcohol	4.39	59	5580	0.401	ppbv #	100
20) Methylene Chloride	4.43	84	234250	4.373	ppbv	98
23) Vinyl Acetate	5.17	43	16777	0.086	ppbv #	56
25) Ethyl Acetate	5.80	43	155901	0.581	ppbv #	80
26) Hexane	5.81	57	207162	1.708	ppbv #	44
27) Carbon Disulfide	4.64	76	23811	0.183	ppbv #	8
34) 2-Butanone	5.36	43	247132	1.567	ppbv	97
35) Carbon Tetrachloride	7.16	117	8122	0.044	ppbv	84
36) Benzene	7.03	78	25766	0.120	ppbv #	88
39) 1,2-Dichloropropane	7.32	63	720331	7.466	ppbv #	26
41) Tetrahydrofuran	5.80	42	89833	1.048	ppbv #	53
53) Toluene	9.97	91	14942	0.057	ppbv #	1
73) 1,3,5-Trimethylbenzene	16.20	105	48462	0.149	ppbv	86
74) 1,2,4-Trimethylbenzene	16.96	105	146658	0.418	ppbv #	71
80) Naphthalene,2-methyl-	25.14	142	3346	0.056	ppbv #	86

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

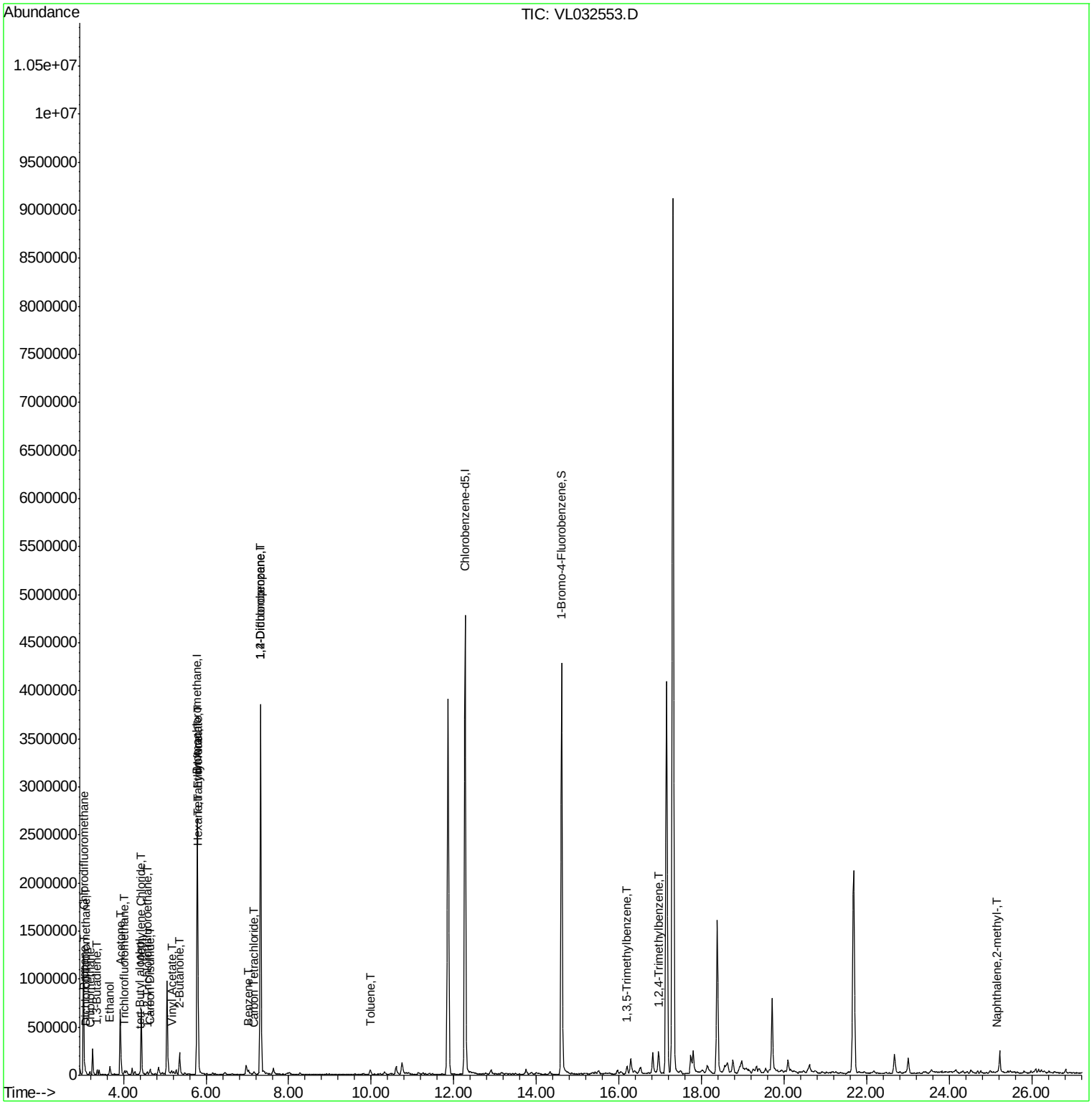
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\

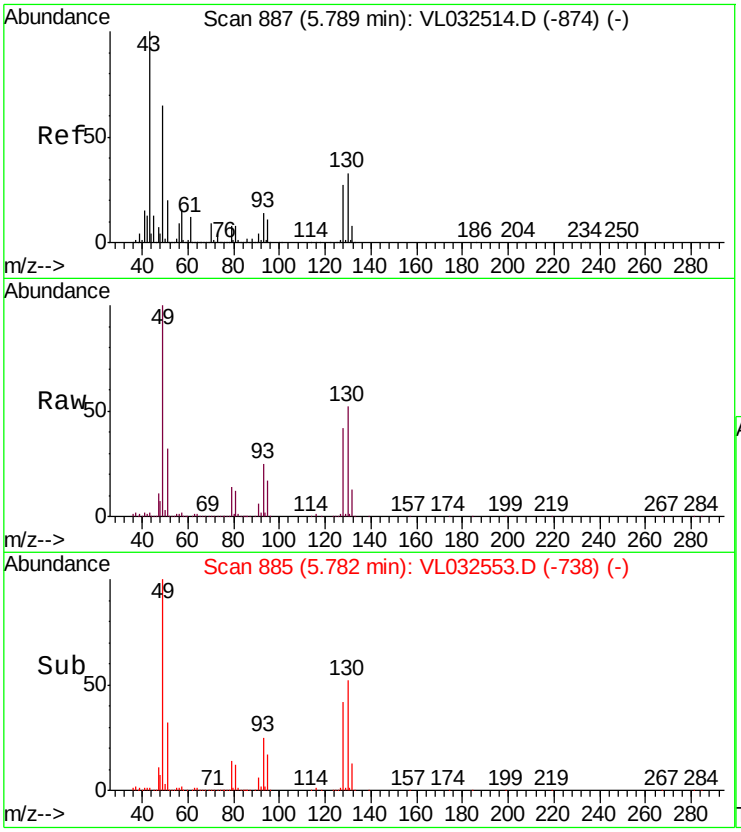
Quantitation Report (Not Reviewed)

Data File : VL032553.D
Acq On : 27 Sep 2018 17:16
Operator : SY/AP
Sample : J5136-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 239-LODGE

Quant Time: Sep 28 02:08:31 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



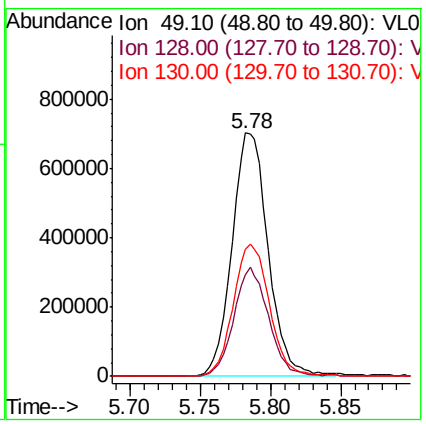


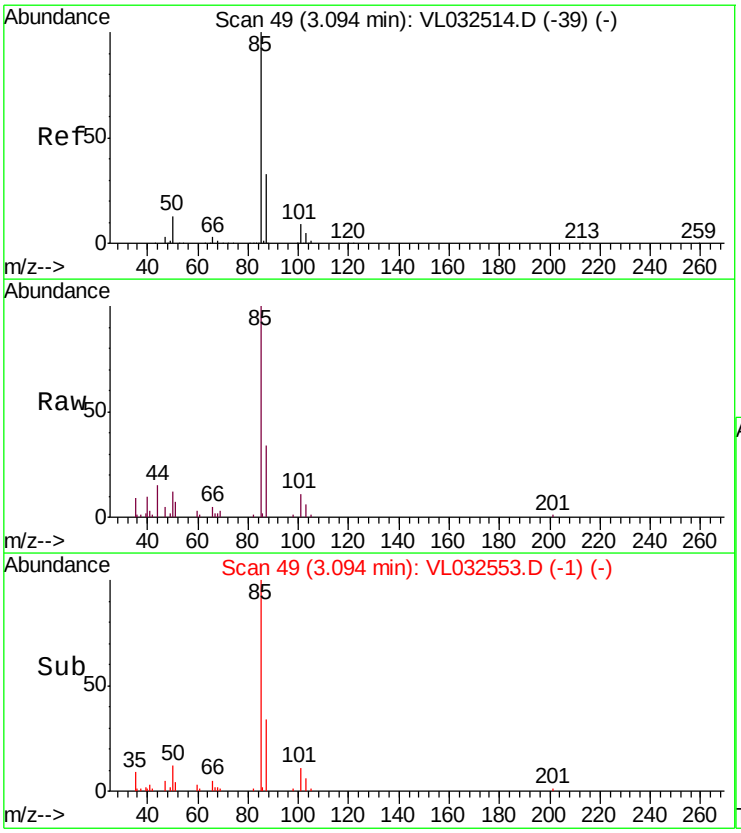
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.03 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Instrument :
MSVOA_L
ClientSampleId :
239-LODGE

Tgt Ion: 49 Resp: 1260329

Ion	Ratio	Lower	Upper
49	100		
128	43.5	20.7	62.1
130	55.0	26.6	79.7

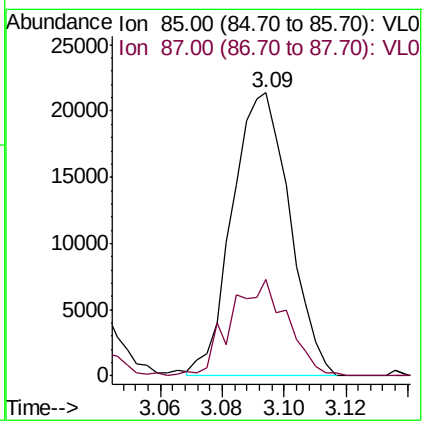


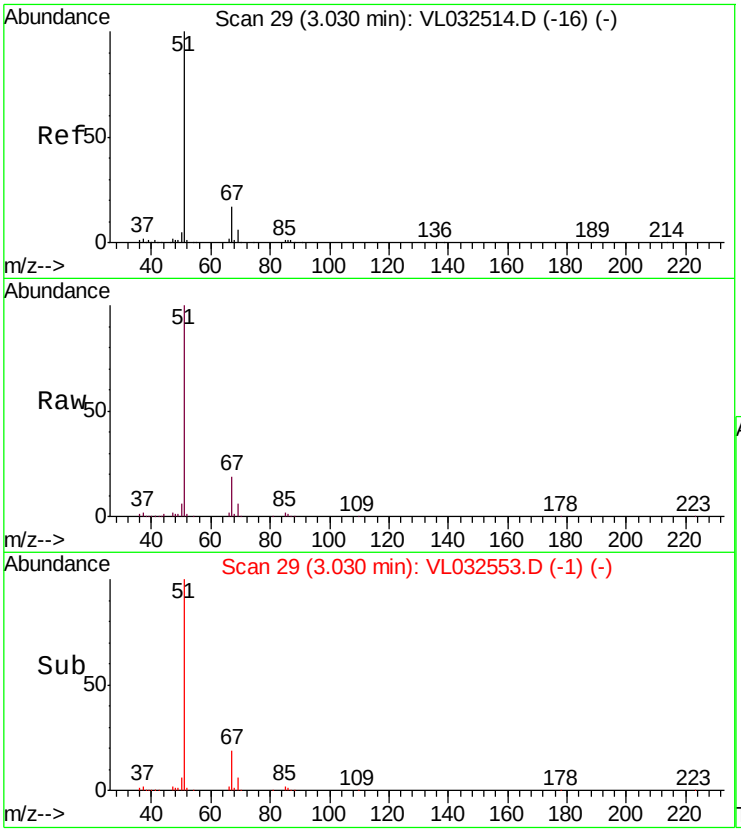


#2
Dichlorodifluoromethane
Concen: 0.236 ppbv
RT: 3.09 min Scan# 49
Delta R.T. -0.01 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion: 85 Resp: 27513

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.2	39.4



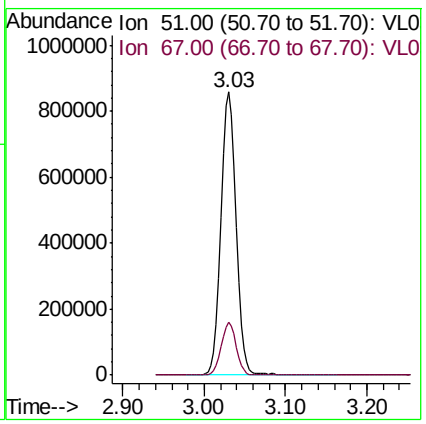


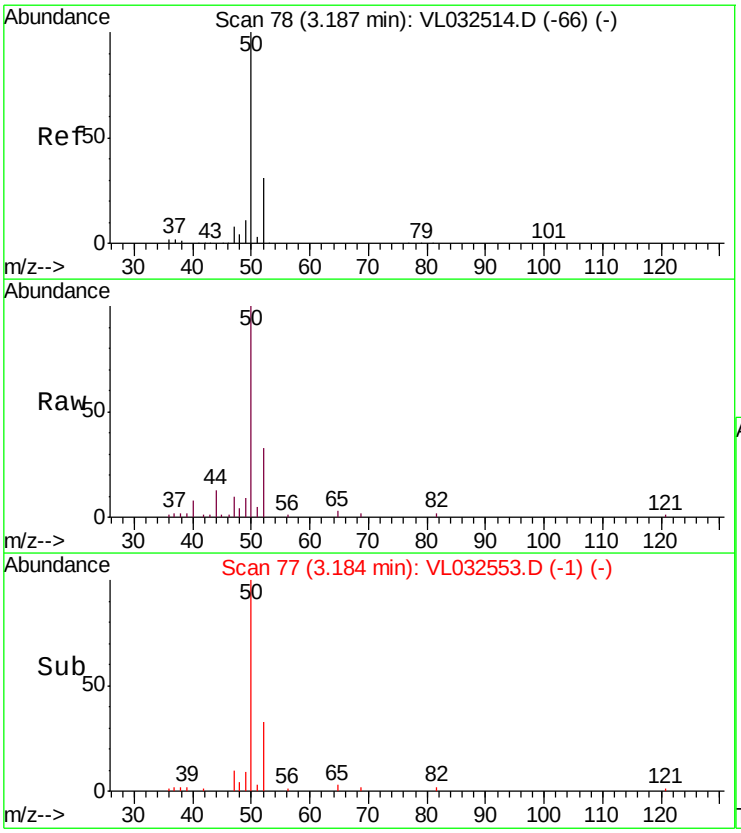
#3
Chlorodifluoromethane
Concen: 10.833 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion: 51 Resp: 1135430

Ion	Ratio	Lower	Upper
51	100		
67	18.5	13.8	20.8

Instrument :
MSVOA_L
ClientSampleId :
239-LODGE

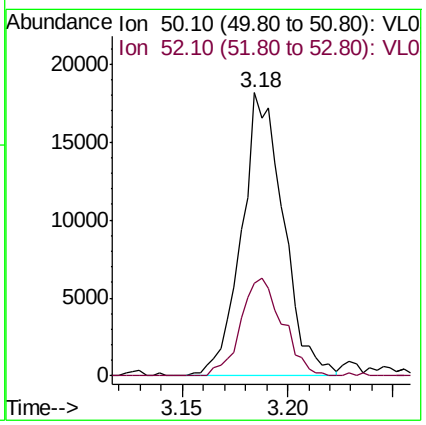


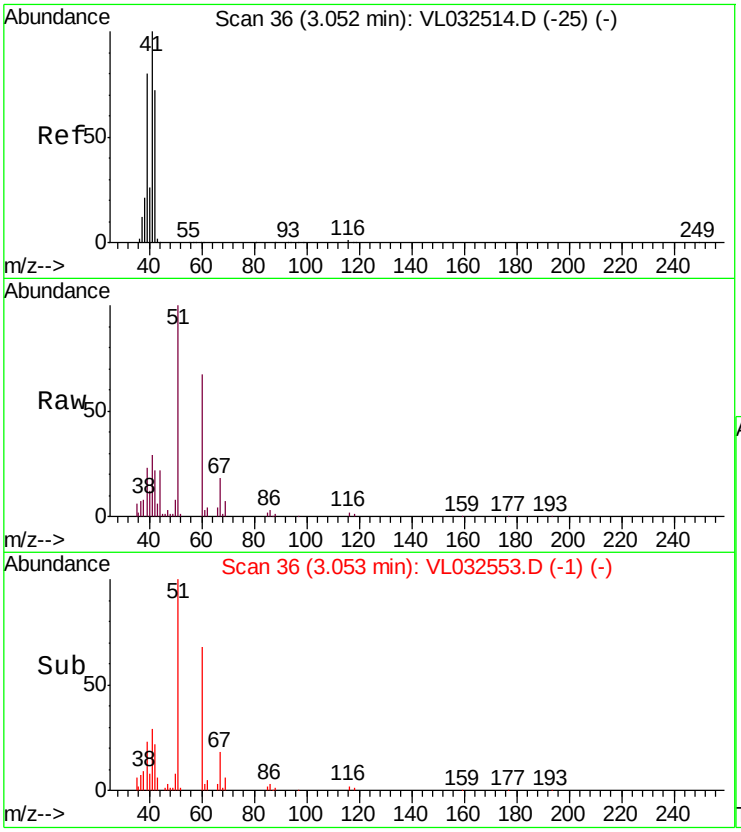


#4
Chloromethane
Concen: 0.412 ppbv
RT: 3.18 min Scan# 77
Delta R.T. -0.02 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion: 50 Resp: 25149

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.6	38.4



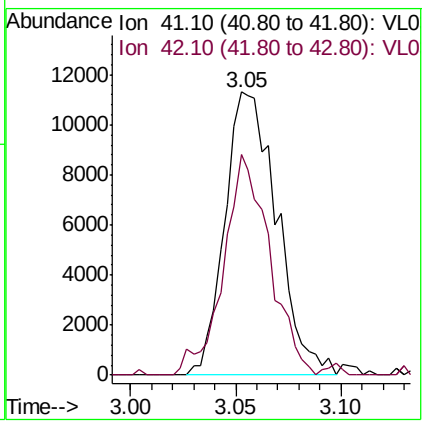


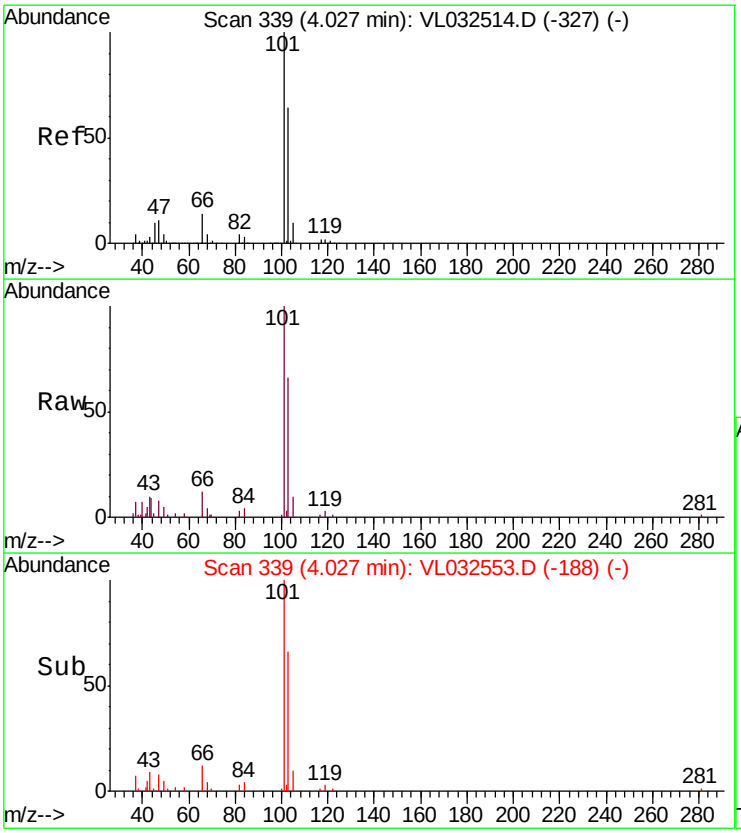
#9
Propene
Concen: 0.425 ppbv
RT: 3.05 min Scan# 36
Delta R.T. -0.01 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Instrument :
MSVOA_L
ClientSampleId :
239-LODGE

Tgt Ion: 41 Resp: 19331

Ion	Ratio	Lower	Upper
41	100		
42	70.0	56.6	84.8

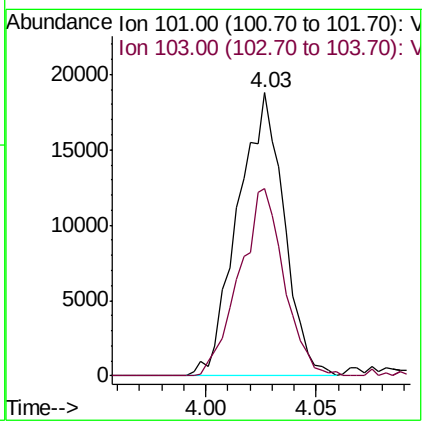


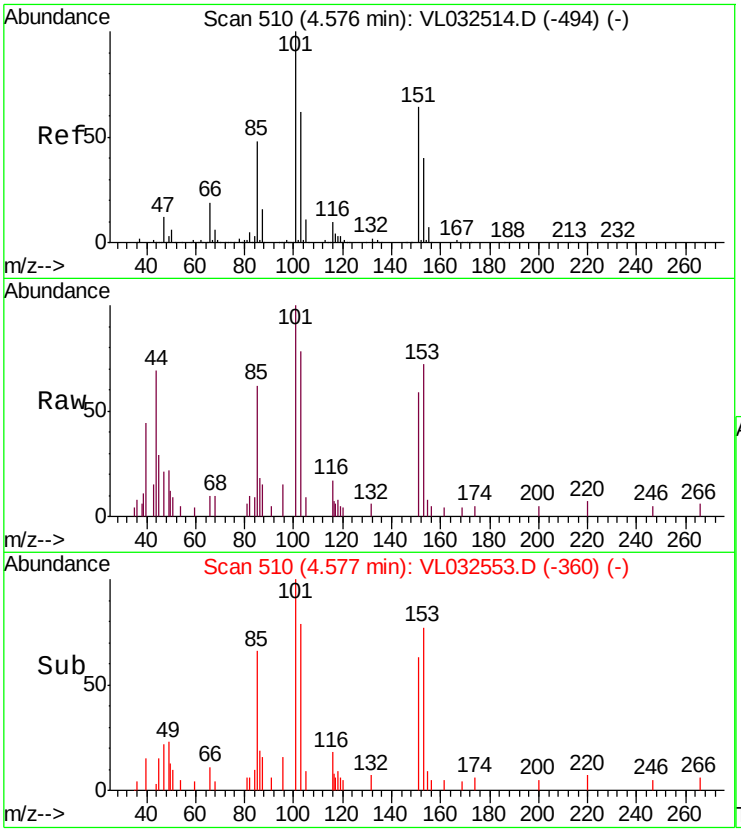


#11
Trichlorofluoromethane
Concen: 0.197 ppbv
RT: 4.03 min Scan# 339
Delta R.T. -0.01 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion:101 Resp: 27318

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.8	79.2



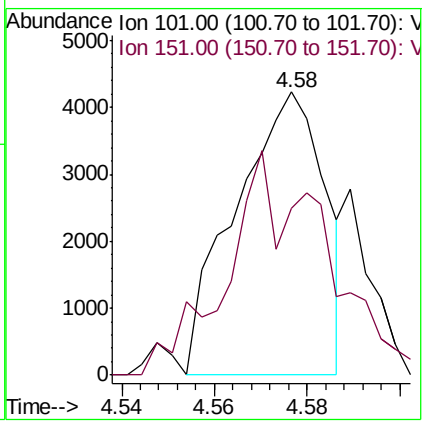


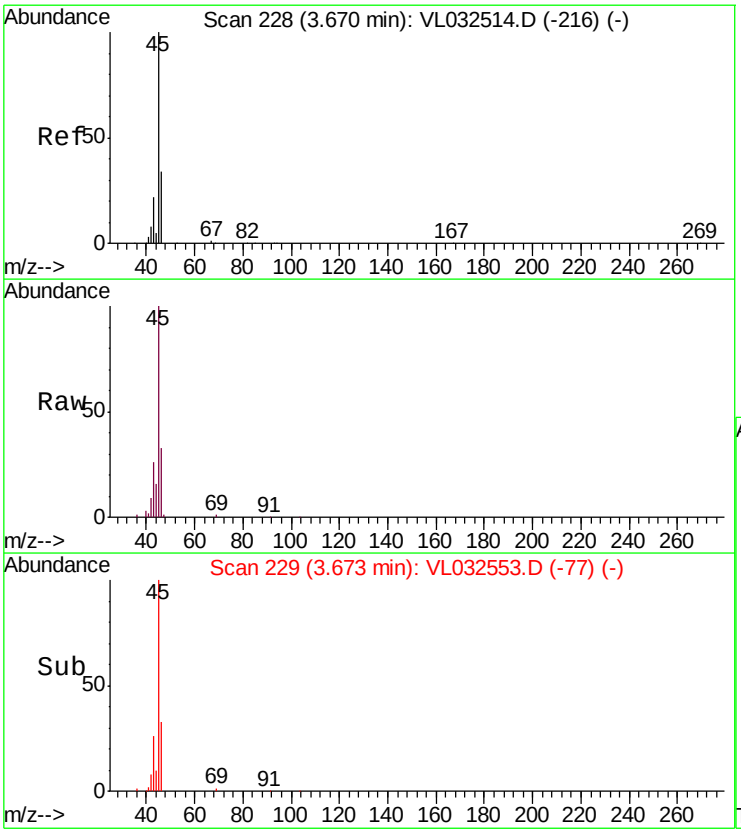
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.050 ppbv
RT: 4.58 min Scan# 510
Delta R.T. -0.02 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Instrument :
MSVOA_L
ClientSampleId :
239-LODGE

Tgt Ion:101 Resp: 5665

Ion	Ratio	Lower	Upper
101	100		
151	87.9	52.6	78.8#

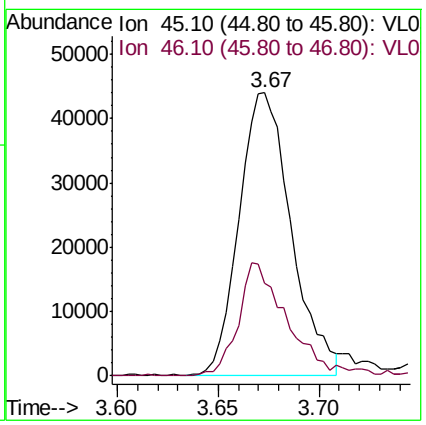


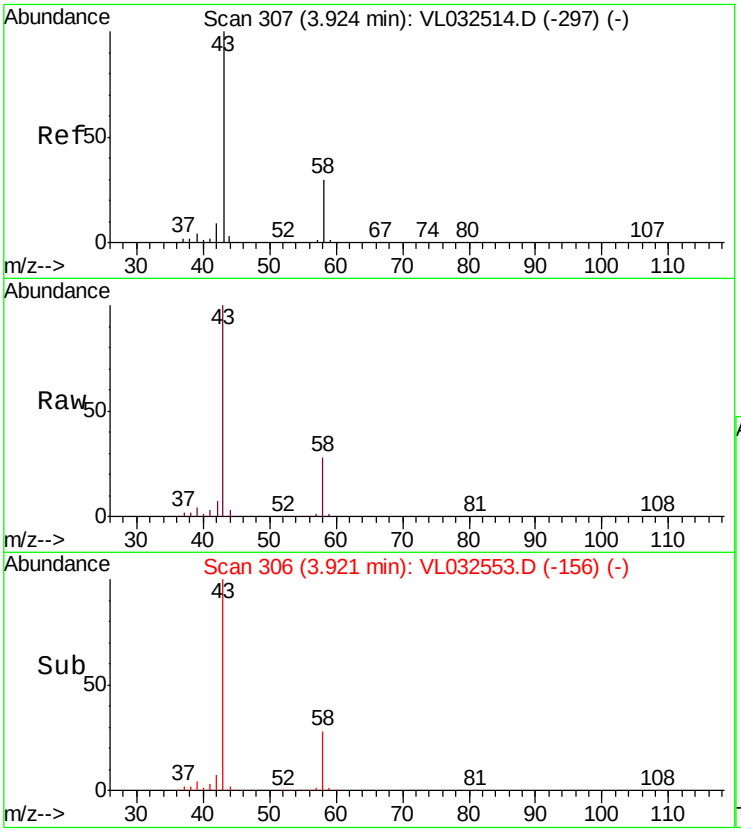


#13
Ethanol
Concen: 5.833 ppbv
RT: 3.67 min Scan# 229
Delta R.T. -0.01 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion: 45 Resp: 79726

Ion	Ratio	Lower	Upper
45	100		
46	37.9	14.2	56.8



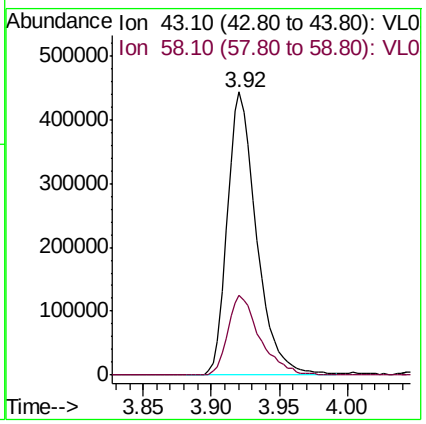


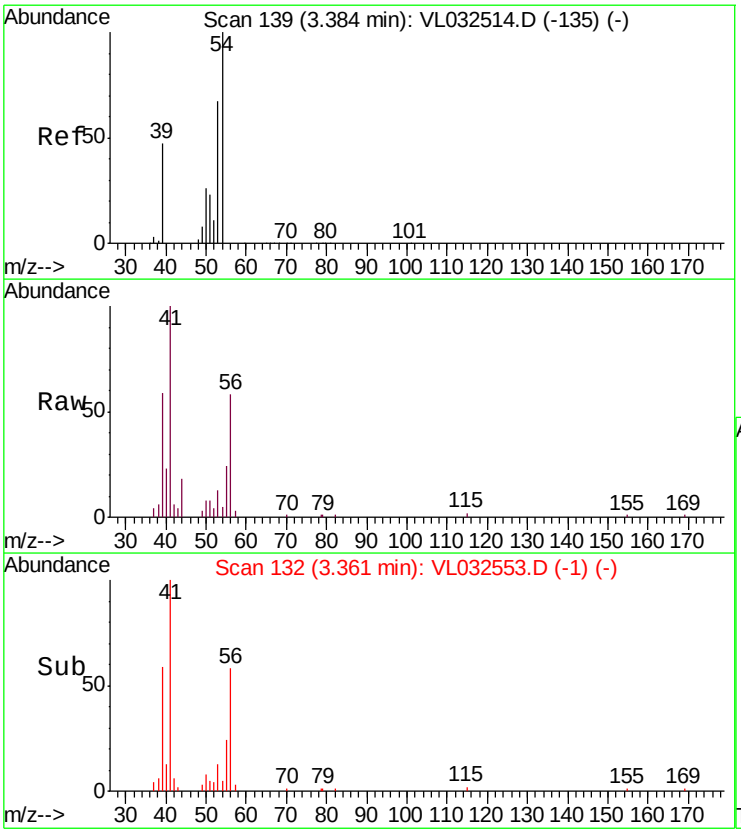
#15
Acetone
Concen: 5.981 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Instrument :
MSVOA_L
ClientSampleId :
239-LODGE

Tgt Ion: 43 Resp: 661678

Ion	Ratio	Lower	Upper
43	100		
58	30.9	22.6	33.8

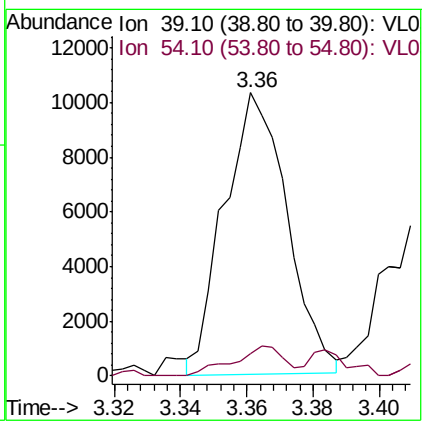


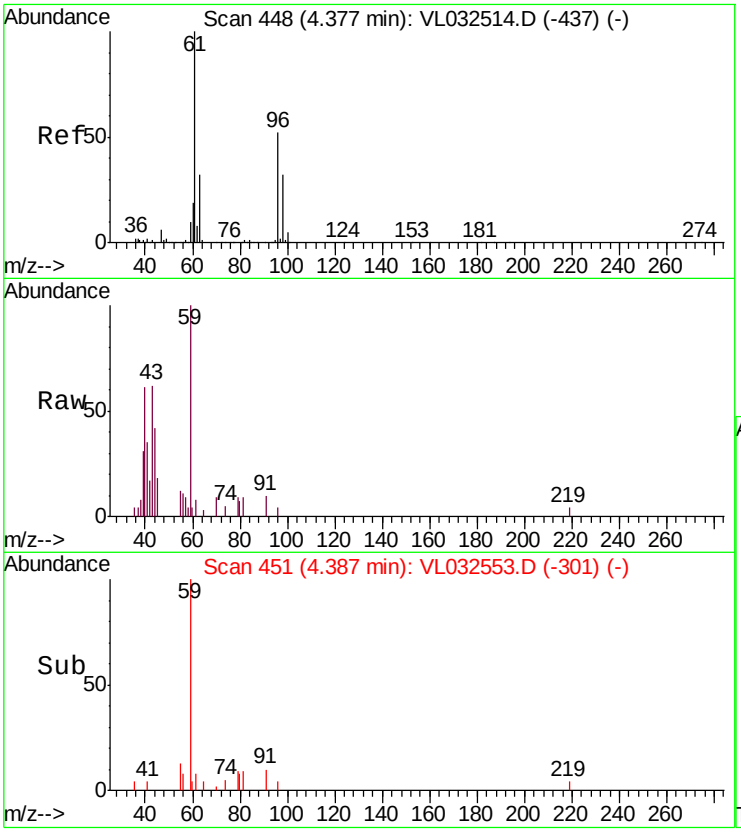


#16
1,3-Butadiene
Concen: 0.303 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.04 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion: 39 Resp: 13574

Ion	Ratio	Lower	Upper
39	100		
54	15.7	80.8	121.2#



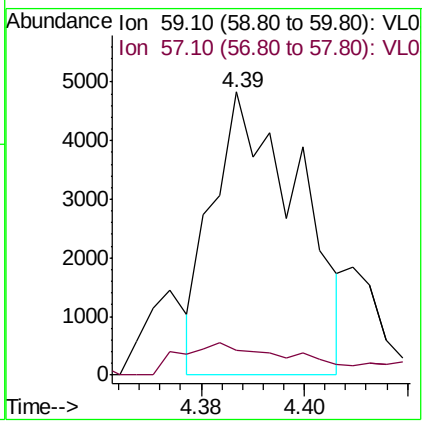


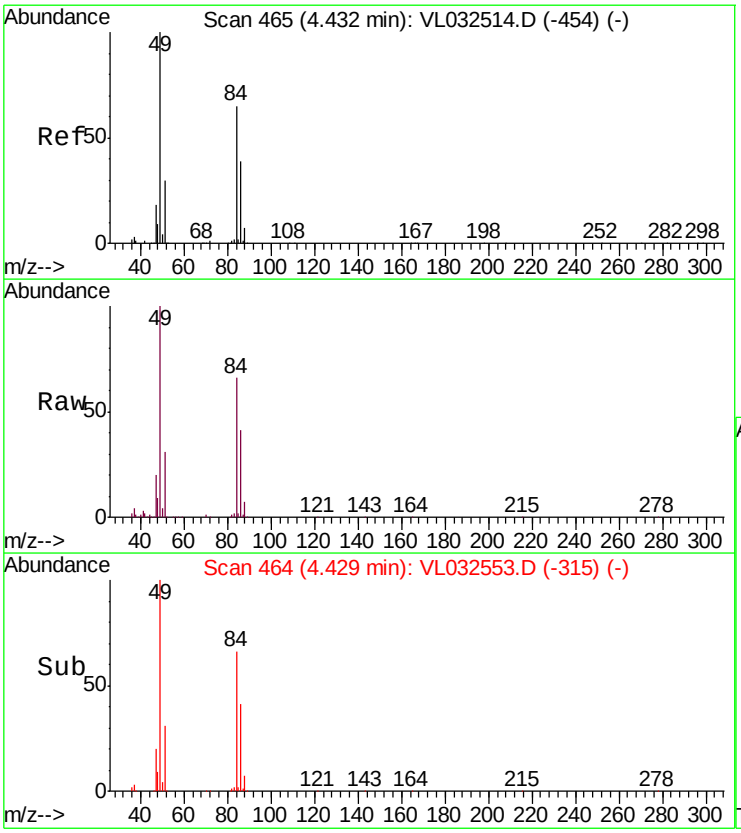
#17
tert-Butyl alcohol
Concen: 0.401 ppbv
RT: 4.39 min Scan# 451
Delta R.T. -0.02 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Instrument : MSVOA_L
ClientSampleId : 239-LODGE

Tgt Ion: 59 Resp: 5580

Ion	Ratio	Lower	Upper
59	100		
57	18.2	0.0	0.0#

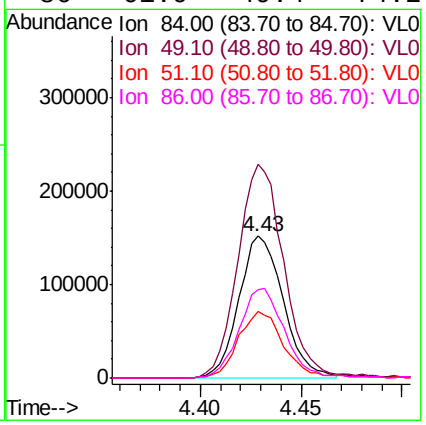


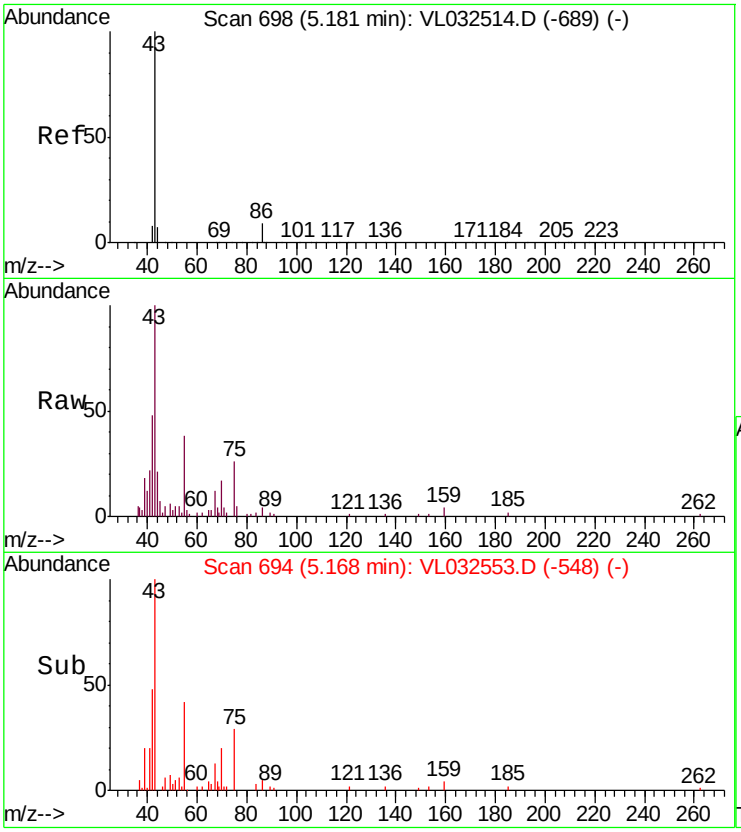


#20
Methylene Chloride
Concen: 4.373 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion: 84 Resp: 234250

Ion	Ratio	Lower	Upper
84	100		
49	150.9	119.1	178.7
51	46.4	35.2	52.8
86	61.9	49.4	74.2



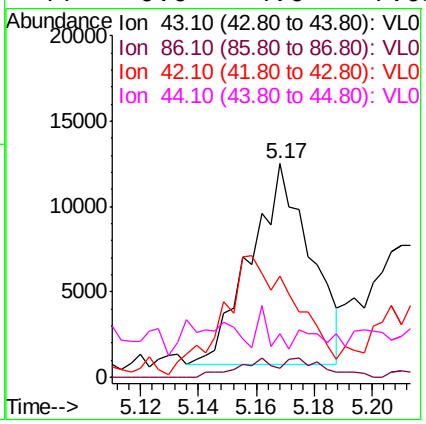


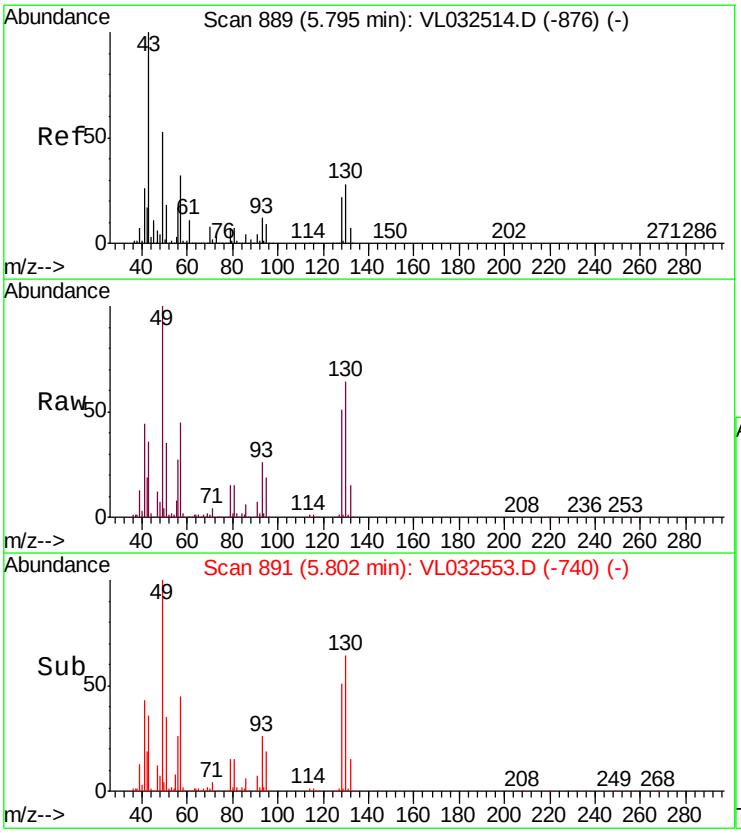
#23
Vinyl Acetate
Concen: 0.086 ppbv
RT: 5.17 min Scan# 694
Delta R.T. -0.03 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Instrument : MSVOA_L
ClientSampleId : 239-LODGE

Tgt Ion: 43 Resp: 16777

Ion	Ratio	Lower	Upper
43	100		
86	4.5	5.9	8.9#
42	41.8	6.9	10.3#
44	0.0	4.6	7.0#

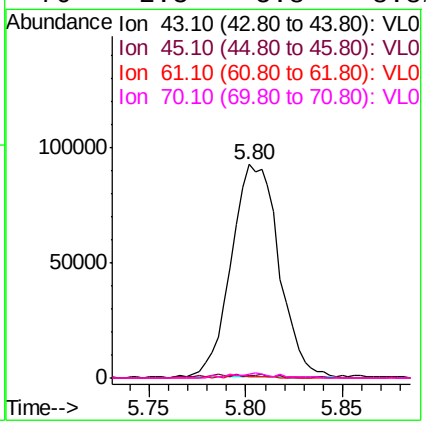


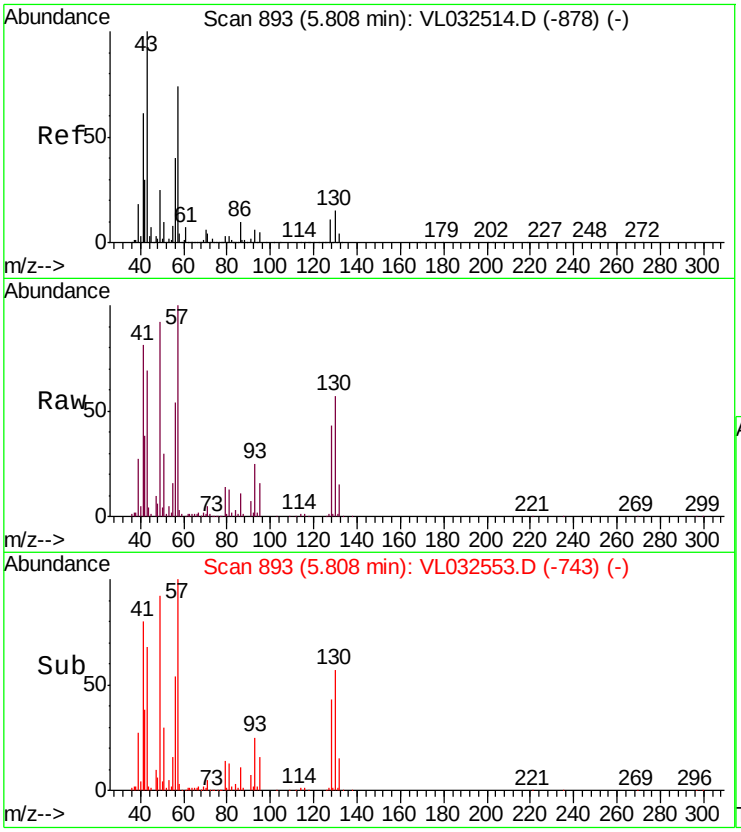


#25
Ethyl Acetate
Concen: 0.581 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion: 43 Resp: 155901

Ion	Ratio	Lower	Upper
43	100		
45	2.1	8.0	12.0#
61	0.9	7.6	11.4#
70	2.3	5.8	8.8#



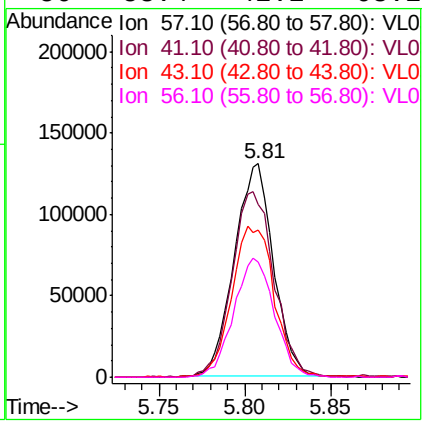


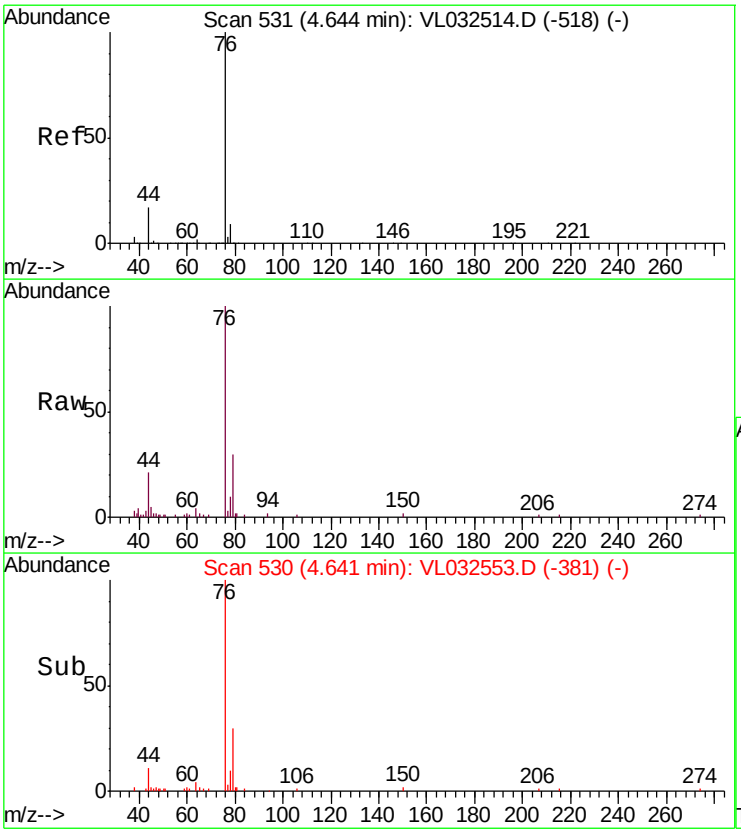
#26
Hexane
Concen: 1.708 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Instrument :
MSVOA_L
ClientSampleId :
239-LODGE

Tgt Ion: 57 Resp: 207162

Ion	Ratio	Lower	Upper
57	100		
41	94.7	69.0	103.4
43	77.3	172.1	258.1#
56	58.4	42.2	63.2

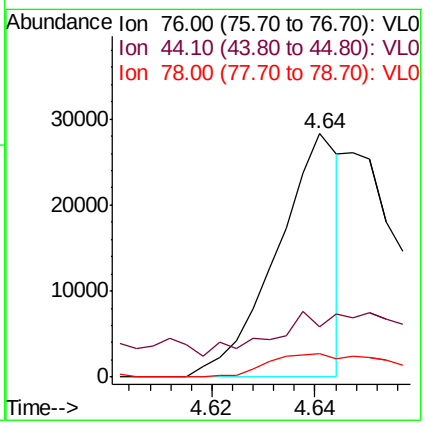


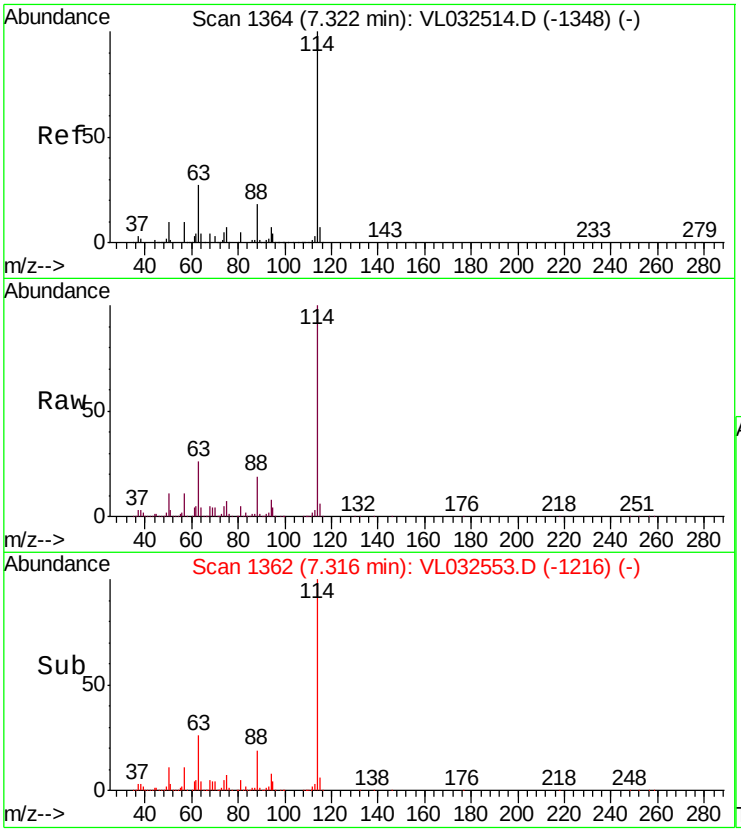


#27
Carbon Disulfide
Concen: 0.183 ppbv
RT: 4.64 min Scan# 530
Delta R.T. -0.02 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion: 76 Resp: 23811

Ion	Ratio	Lower	Upper
76	100		
44	71.5	14.0	21.0#
78	21.5	7.5	11.3#



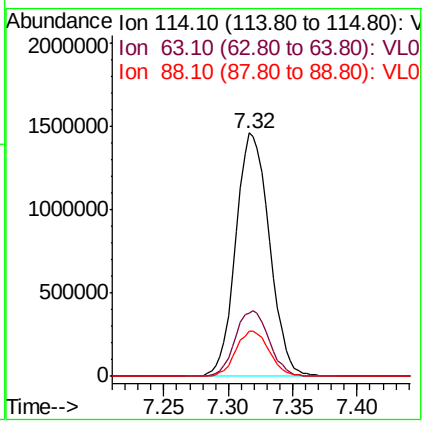


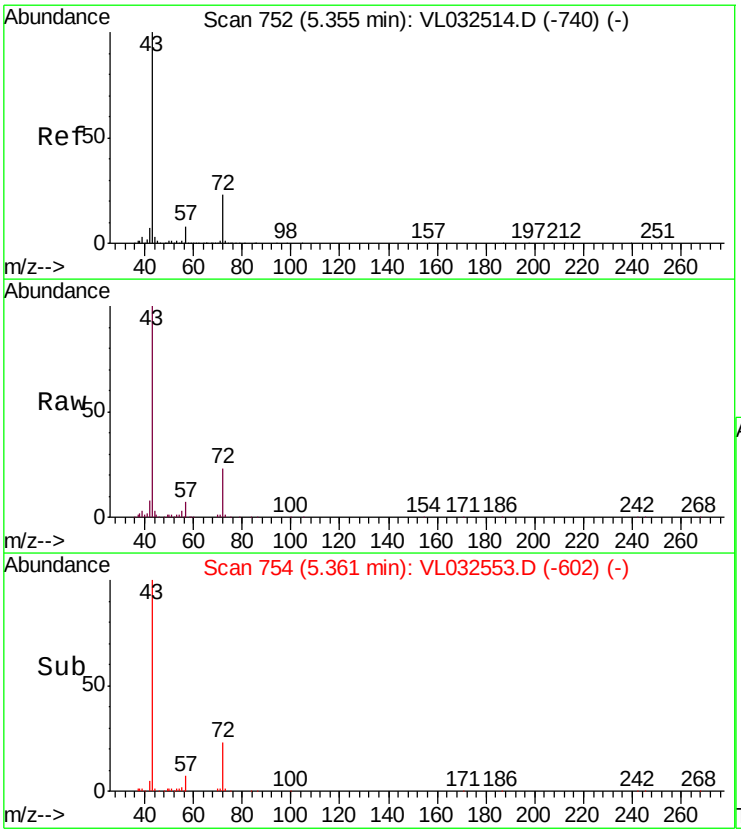
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Instrument :
MSVOA_L
ClientSampleId :
239-LODGE

Tgt Ion:114 Resp: 2649053

Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.4
88	18.7	15.0	22.4

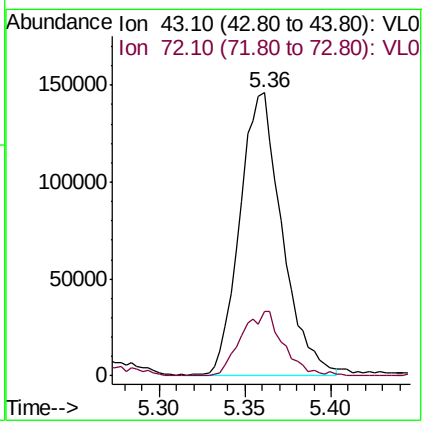


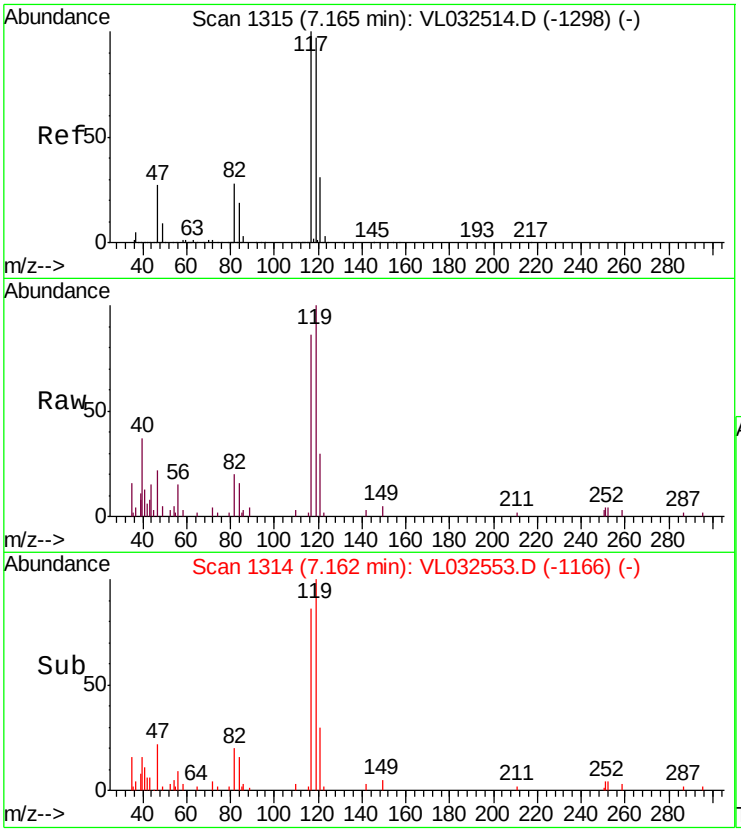


#34
2-Butanone
Concen: 1.567 ppbv
RT: 5.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion: 43 Resp: 247132

Ion	Ratio	Lower	Upper
43	100		
72	23.4	17.8	26.6

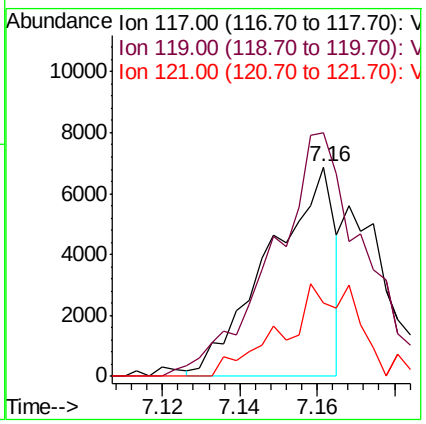




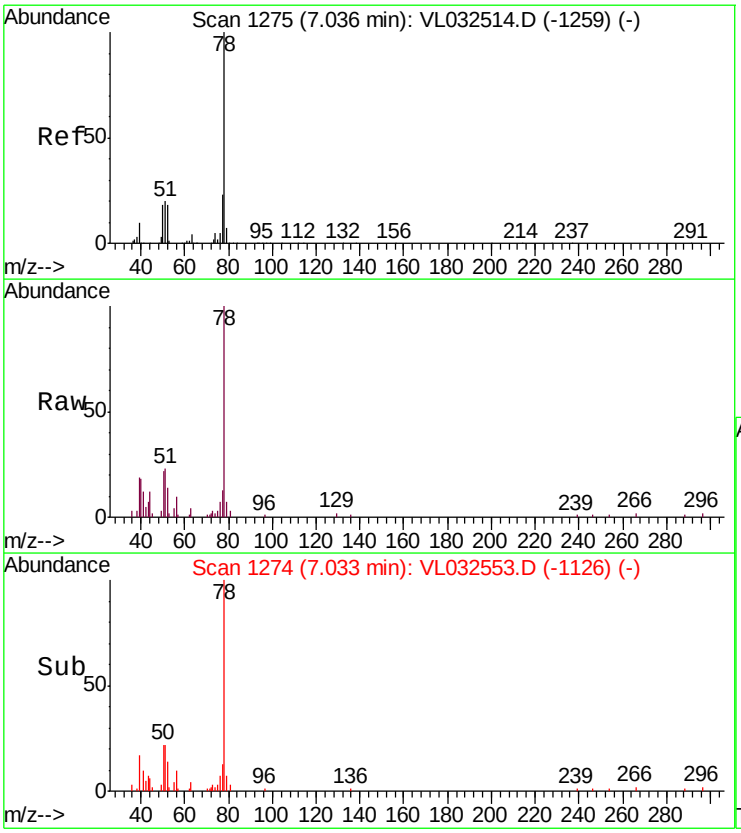
#35
Carbon Tetrachloride
Concen: 0.044 ppbv
RT: 7.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion:117 Resp: 8122

Ion	Ratio	Lower	Upper
117	100		
119	113.8	76.6	115.0
121	36.2	24.6	36.8



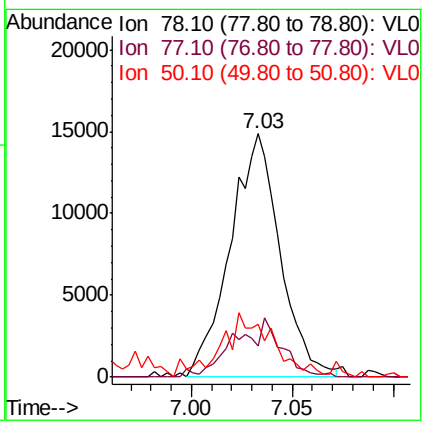
Instrument :
MSVOA_L
ClientSampleId :
239-LODGE

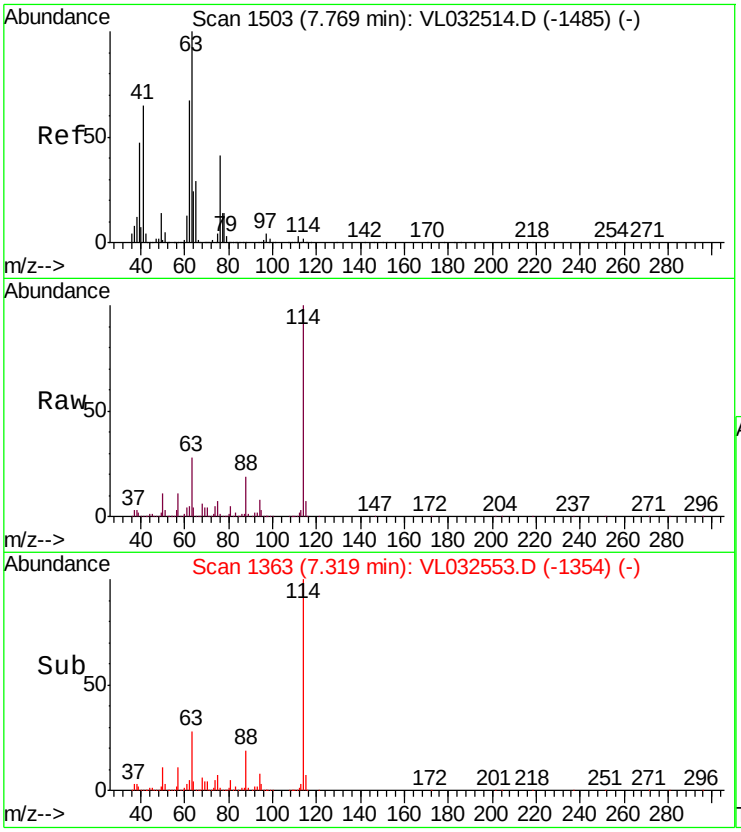


#36
Benzene
Concen: 0.120 ppbv
RT: 7.03 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion: 78 Resp: 25766

Ion	Ratio	Lower	Upper
78	100		
77	12.7	18.4	27.6#
50	18.3	14.4	21.6



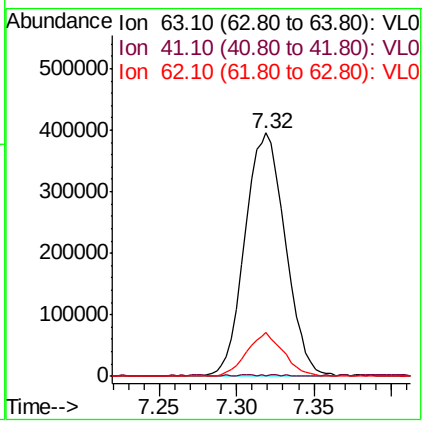


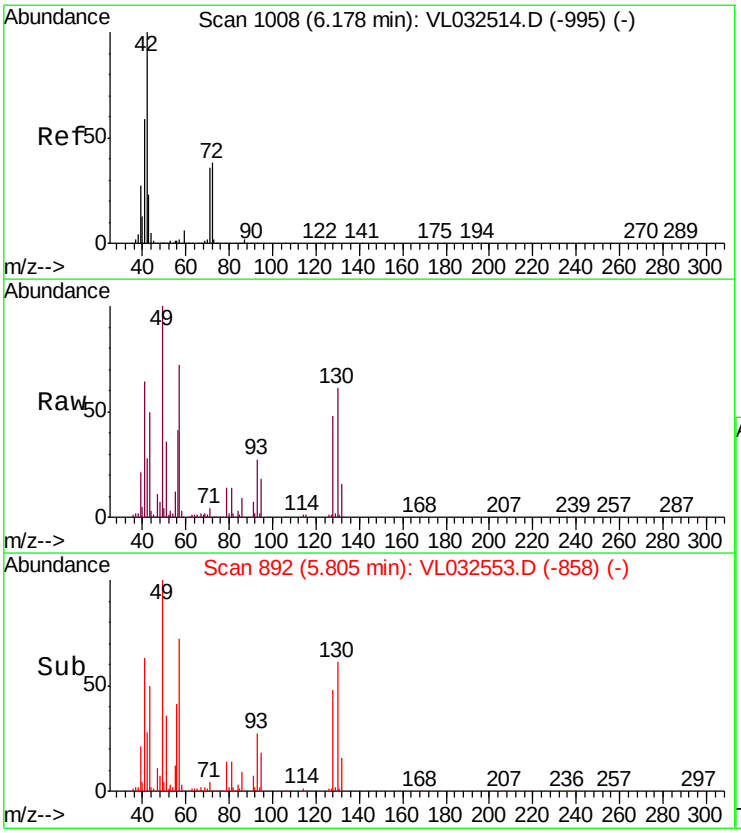
#39
1,2-Dichloropropane
Concen: 7.466 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.47 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Instrument : MSVOA_L
ClientSampleId : 239-LODGE

Tgt Ion: 63 Resp: 720331

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.4	83.0#
62	17.9	55.4	83.0#

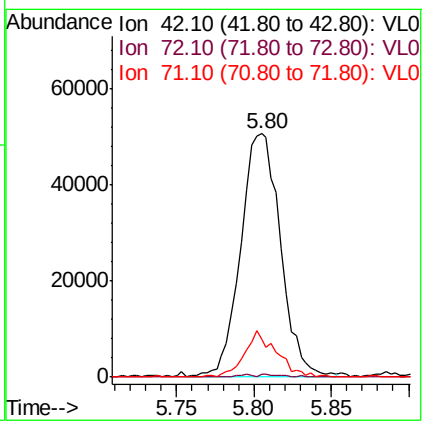


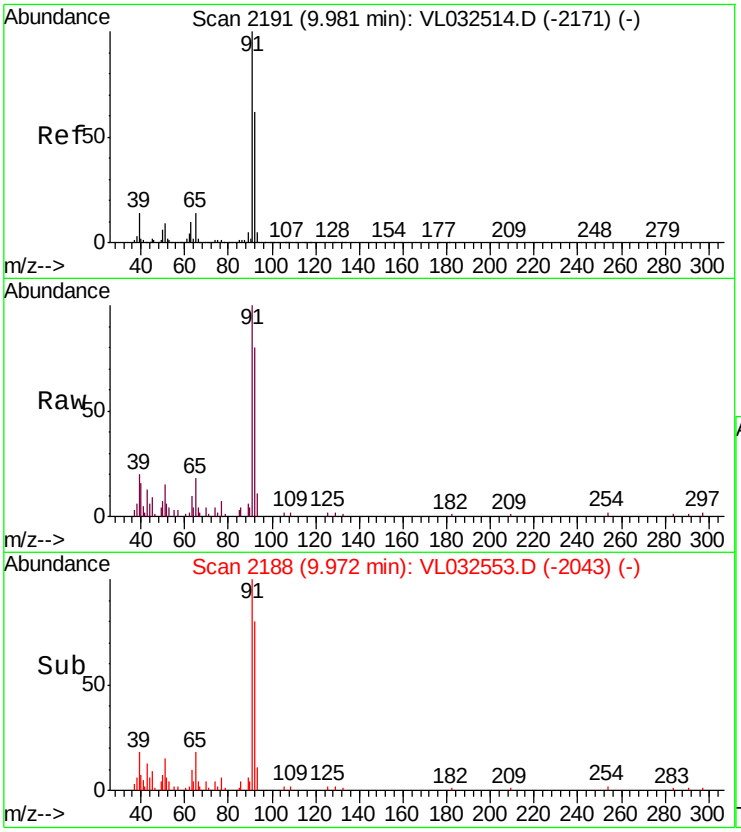


#41
Tetrahydrofuran
Concen: 1.048 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.39 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion: 42 Resp: 89833

Ion	Ratio	Lower	Upper
42	100		
72	1.1	29.5	44.3#
71	15.5	28.3	42.5#



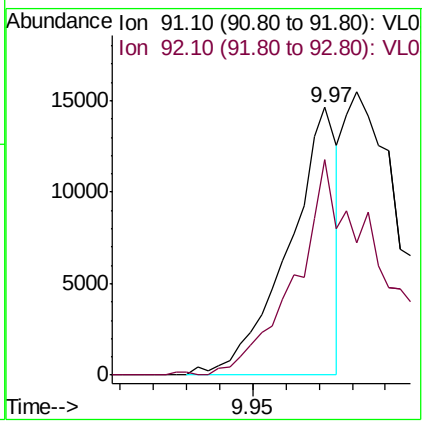


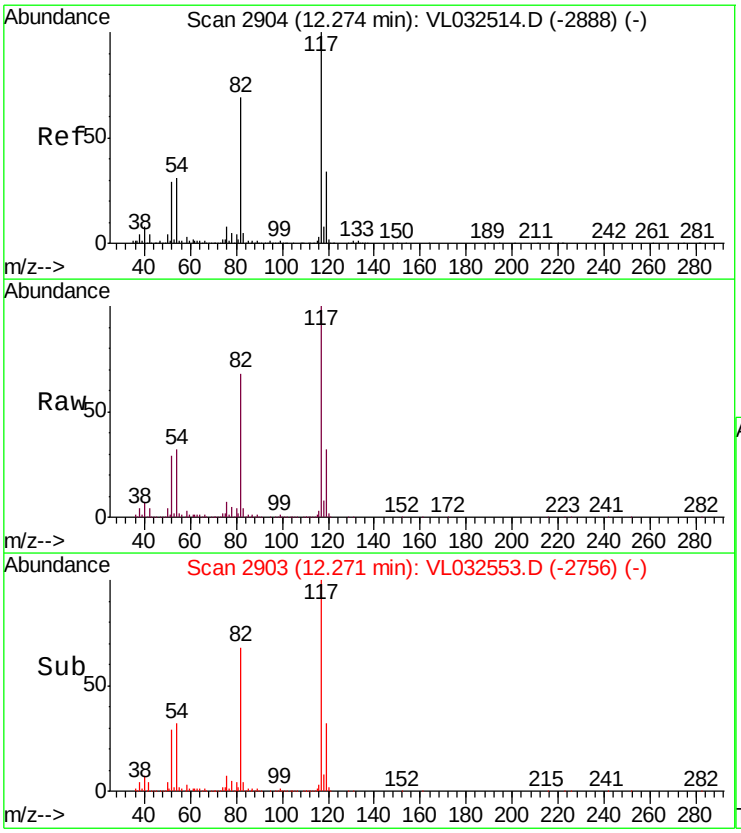
#53
Toluene
Concen: 0.057 ppbv
RT: 9.97 min Scan# 2188
Delta R.T. -0.03 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Instrument : MSVOA_L
ClientSampleId : 239-LODGE

Tgt Ion: 91 Resp: 14942

Ion	Ratio	Lower	Upper
91	100		
92	136.8	48.1	72.1#

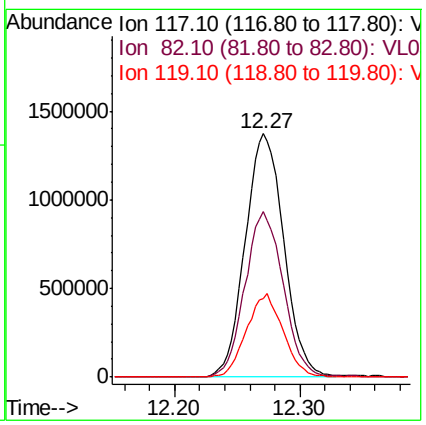


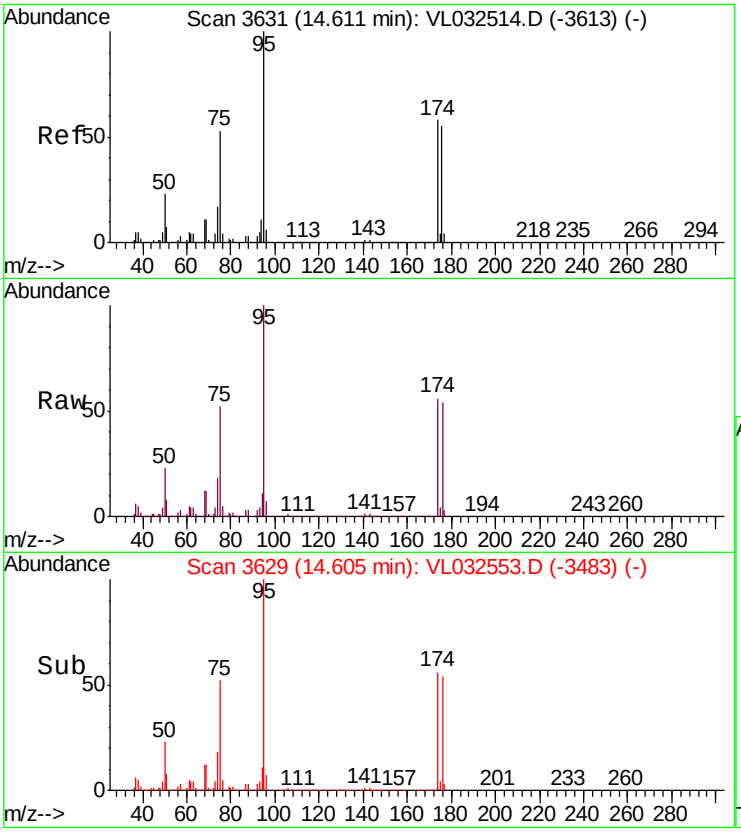


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion:117 Resp: 2941413

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



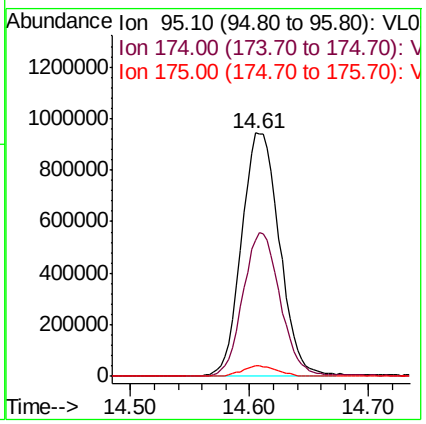


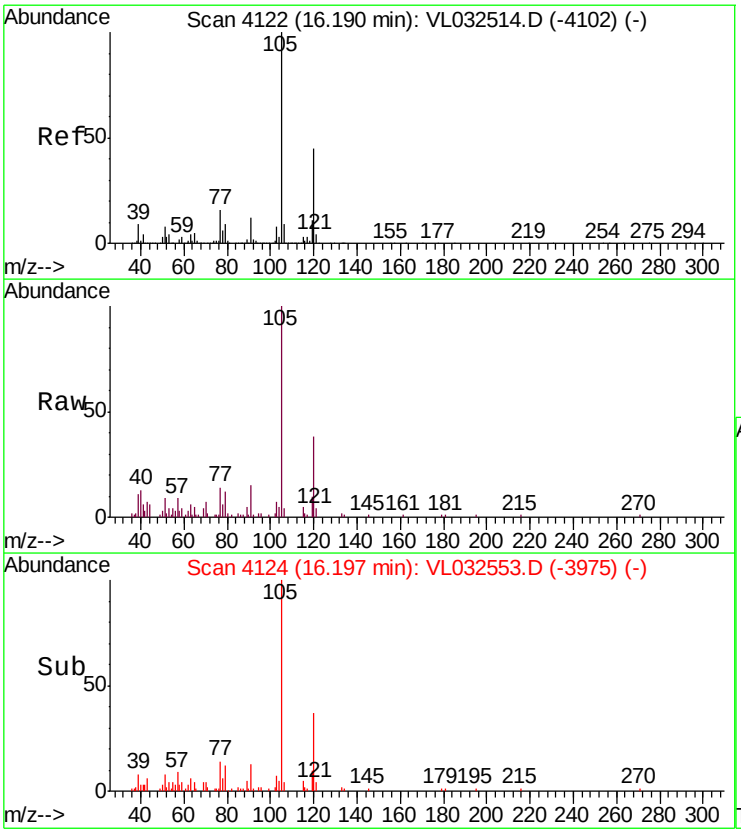
#68
1-Bromo-4-Fluorobenzene
Concen: 9.387 ppbv
RT: 14.61 min Scan# 3629
Delta R.T. -0.03 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Instrument :
MSVOA_L
ClientSampleId :
239-LODGE

Tgt Ion: 95 Resp: 2082123

Ion	Ratio	Lower	Upper
95	100		
174	59.0	46.3	69.5
175	4.2	3.4	5.0

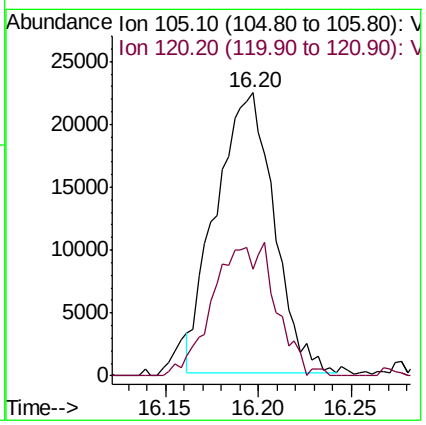


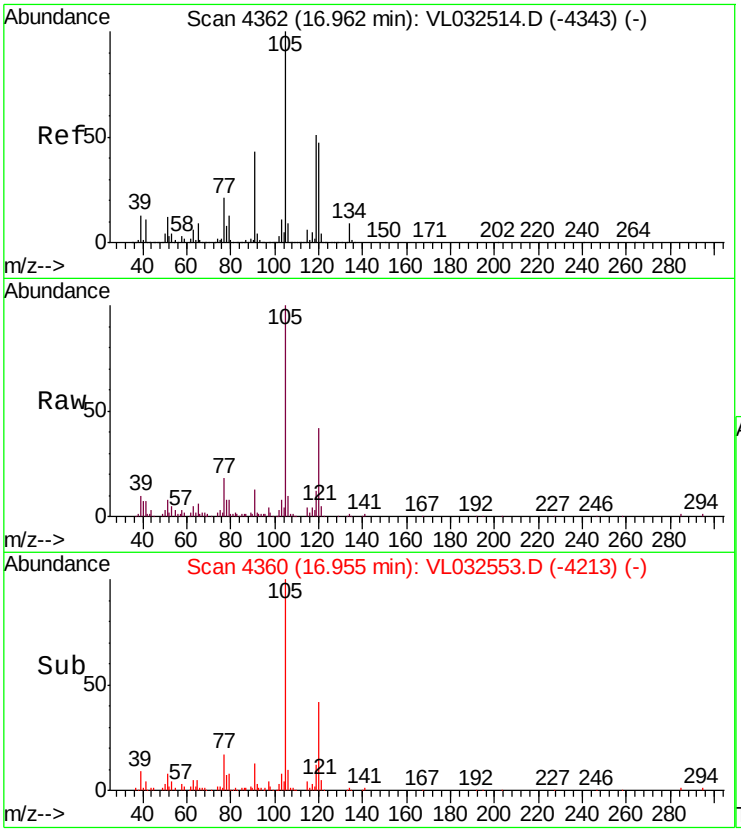


#73
1,3,5-Trimethylbenzene
Concen: 0.149 ppbv
RT: 16.20 min Scan# 4124
Delta R.T. -0.02 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion:105 Resp: 48462

Ion	Ratio	Lower	Upper
105	100		
120	38.2	37.9	56.9



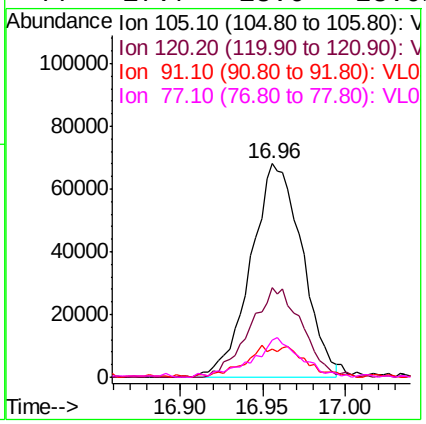


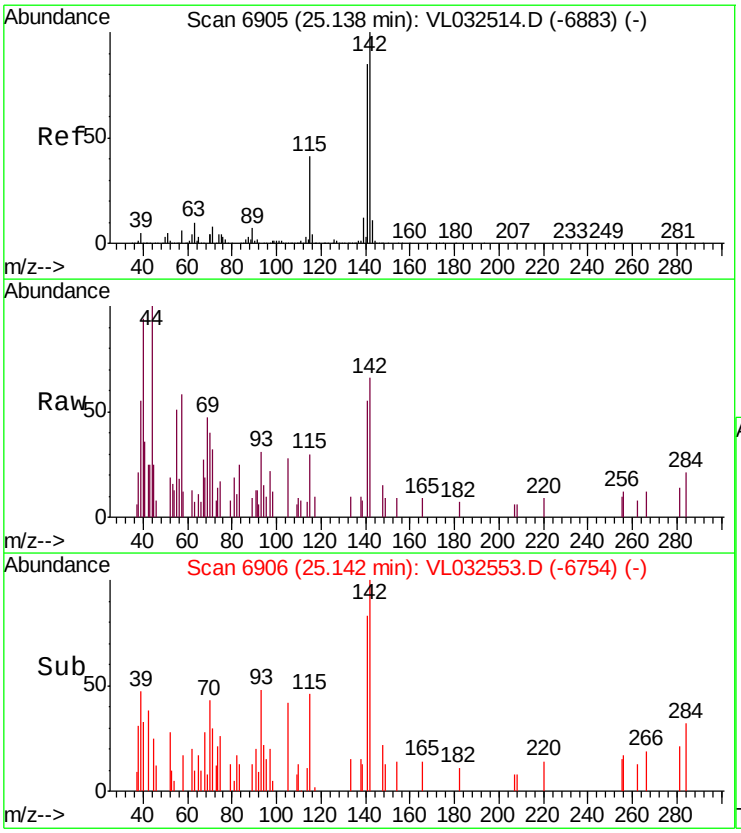
#74
1,2,4-Trimethylbenzene
Concen: 0.418 ppbv
RT: 16.96 min Scan# 4360
Delta R.T. -0.03 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Instrument :
MSVOA_L
ClientSampleId :
239-LODGE

Tgt Ion:105 Resp: 146658

Ion	Ratio	Lower	Upper
105	100		
120	41.4	37.8	56.8
91	13.1	41.4	62.0#
77	17.7	18.6	28.0#





#80
Naphthalene,2-methyl-
Concen: 0.056 ppbv
RT: 25.14 min Scan# 6906
Delta R.T. -0.01 min
Lab File: VL032553.D
Acq: 27 Sep 2018 17:16

Tgt Ion:142 Resp: 3346

Ion	Ratio	Lower	Upper
142	100		
141	76.9	67.0	100.6
115	55.8	31.3	46.9#