Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
Data File : VL032539.D
Acq On : 25 Sep 2018 10:55
Operator : SY/AP
Sample : J5034-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : GAC-INF-092018DL

Quant Time: Sep 25 12:18:10 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	1503968	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.32	114	3209498	10.00	ppbv		-0.03
55) Chlorobenzene-d5	12.27	117	3183635	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.61	95	2476593	10.32	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.17	85	6217	0.045	ppbv		99
3) Chlorodifluoromethane	3.03	51	17182	0.137	ppbv	#	83
4) Chloromethane	3.18	50	3323	0.046	ppbv		100
5) Vinyl Chloride	3.31	62	2486	0.034	ppbv	#	77
7) Chloroethane	3.62	64	1175	0.045	ppbv	#	42
9) Propene	3.25	41	105549	1.945	ppbv		95
11) Trichlorofluoromethane	4.02	101	22913	0.139	ppbv		89
12) 1,1,2-Trichlorotrifluoroet	4.58	101	4996	0.037	ppbv	#	17
13) Ethanol	3.67	45	129138	7.917	ppbv		95
15) Acetone	3.92	43	1338004	10.135	ppbv		99
16) 1,3-Butadiene	3.36	39	3004	0.056	ppbv	#	21
17) tert-Butyl alcohol	4.40	59	4065	0.245	ppbv	#	100
20) Methylene Chloride	4.43	84	48932	0.765	ppbv	#	93
24) 1,1-Dichloroethane	5.11	63	136634	0.703	ppbv		95
25) Ethyl Acetate	5.81	43	57148	0.178	ppbv	#	82
26) Hexane	5.80	57	64807	0.448	ppbv	#	49
29) Chloroform	5.88	83	25514	0.115	ppbv		99
31) cis-1,2-Dichloroethene	5.67	61	31964	0.232	ppbv		97
32) 1,1,1-Trichloroethane	6.64	97	251183	1.062	ppbv		98
34) 2-Butanone	5.37	43	27047	0.142	ppbv		94
38) Trichloroethene	7.99	130	338989	3.414	ppbv		96
39) 1,2-Dichloropropane	7.32	63	879453	7.524	ppbv	#	25
53) Toluene	9.98	91	66754	0.211	ppbv		96
65) tert-Butylbenzene	17.15	119	61371	0.151	ppbv	#	23
80) Naphthalene,2-methyl-	25.15	142	3432	0.053	ppbv	#	93

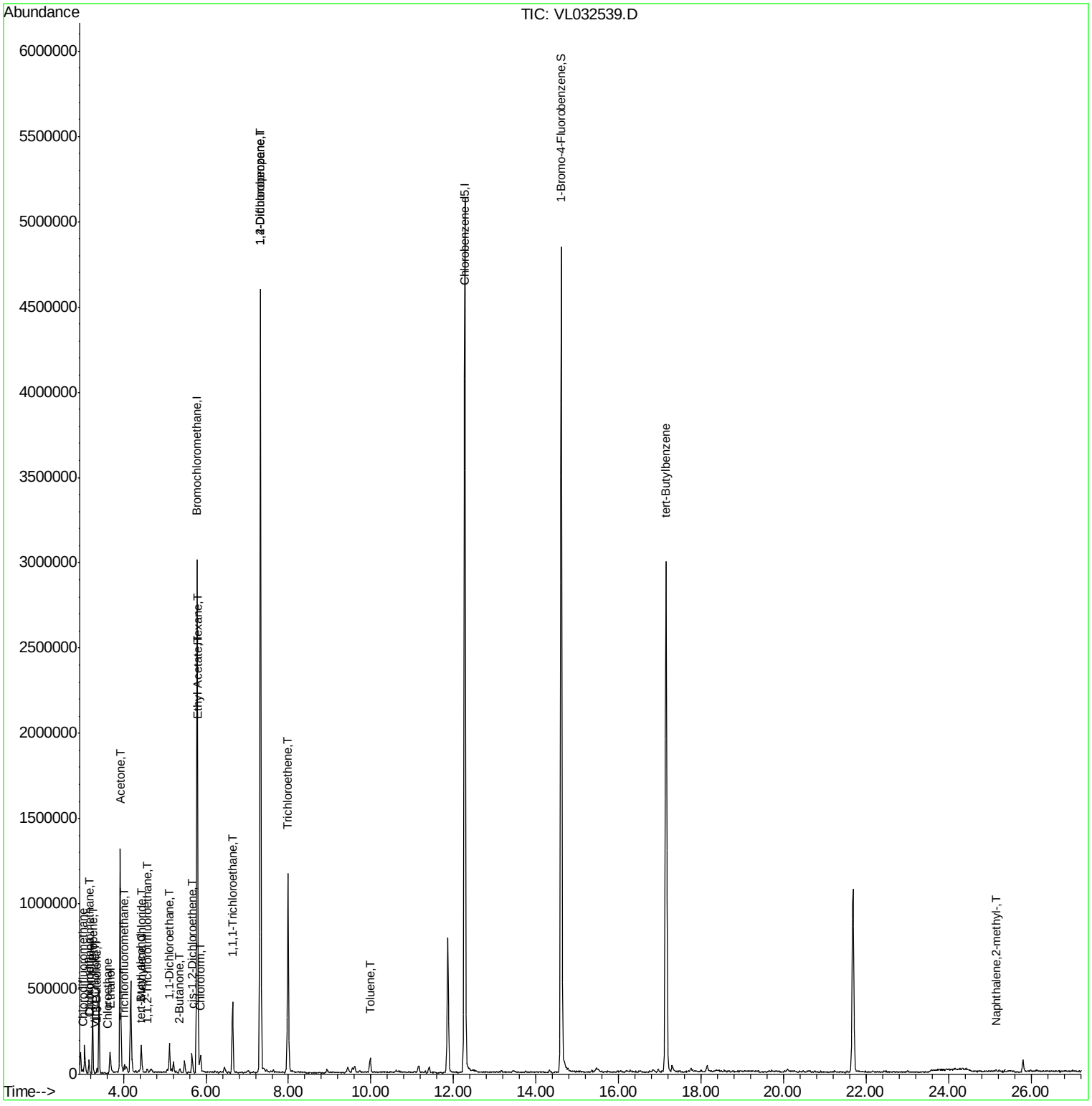
(#) = qualifier out of range (m) = manual integration (+) = signals summed

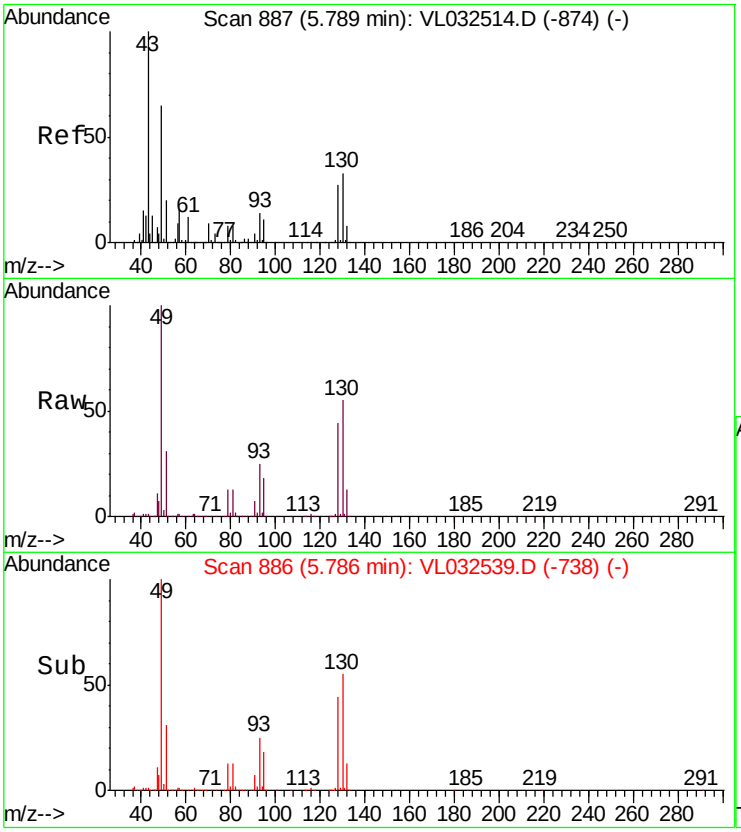
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
Data File : VL032539.D
Acq On : 25 Sep 2018 10:55
Operator : SY/AP
Sample : J5034-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : GAC-INF-092018DL

Quant Time: Sep 25 12:18:10 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



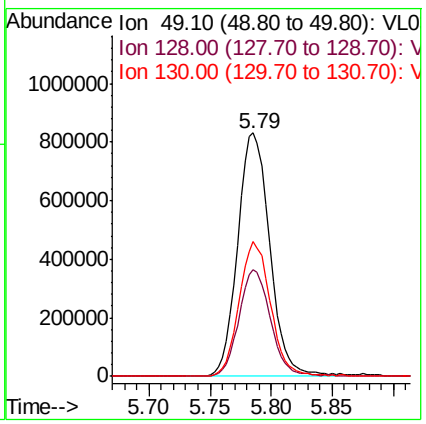


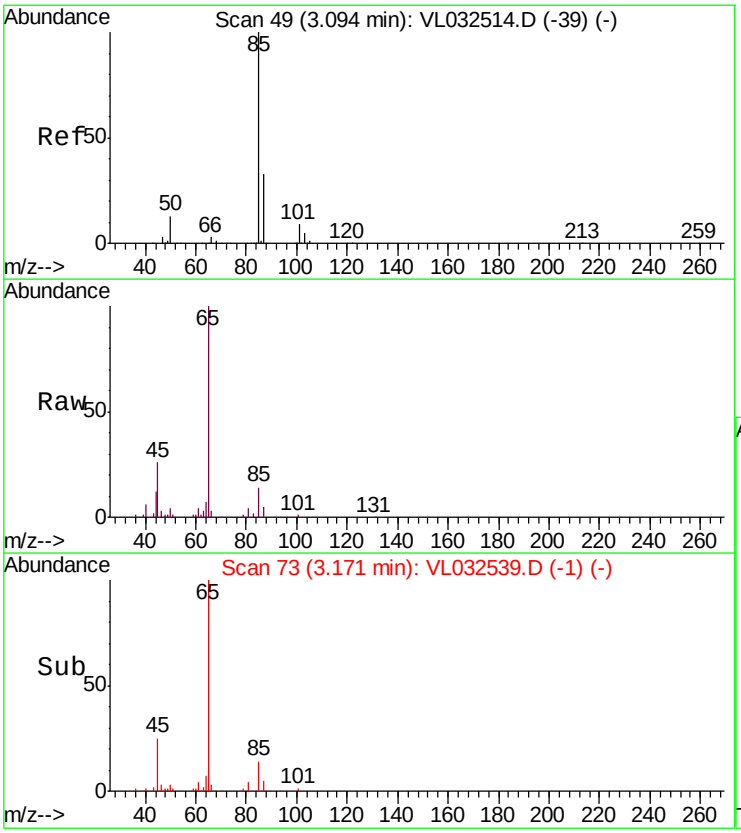
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tgt Ion: 49 Resp: 1503968

Ion	Ratio	Lower	Upper
49	100		
128	43.3	20.7	62.1
130	54.3	26.6	79.7

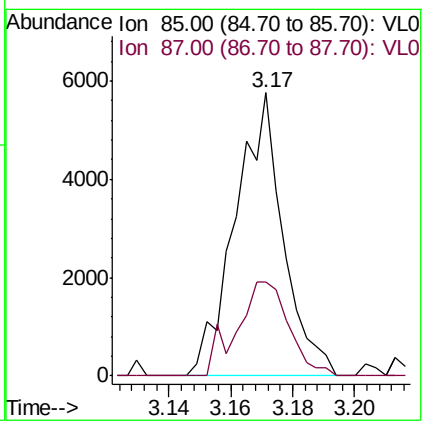


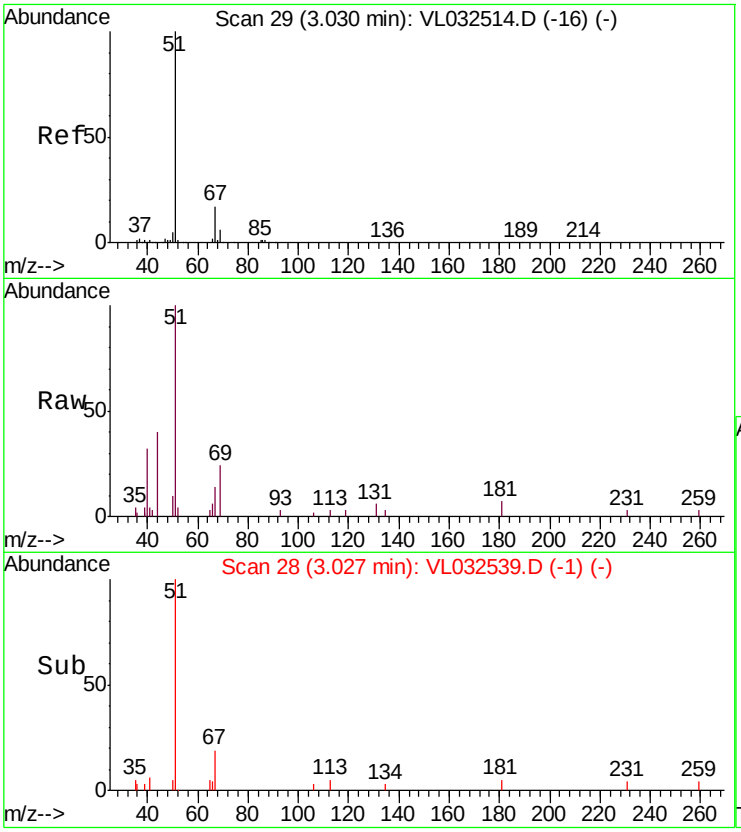


#2
Dichlorodifluoromethane
Concen: 0.045 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.06 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 85 Resp: 6217

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.2	39.4



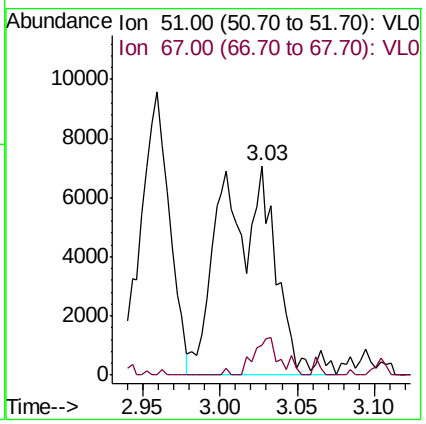


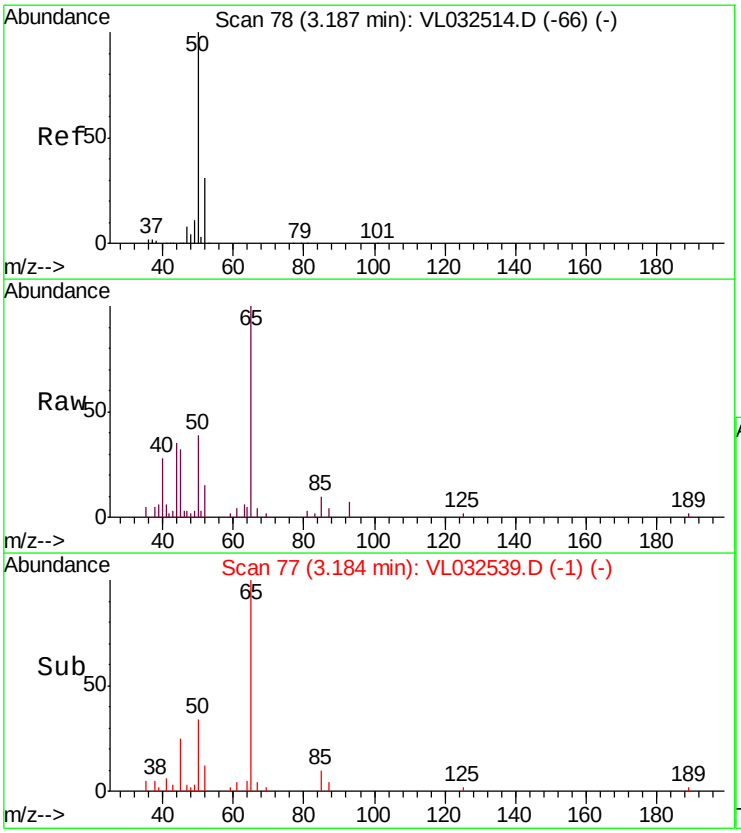
#3
Chlorodifluoromethane
Concen: 0.137 ppbv
RT: 3.03 min Scan# 28
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tgt Ion: 51 Resp: 17182

Ion	Ratio	Lower	Upper
51	100		
67	9.7	13.8	20.8#

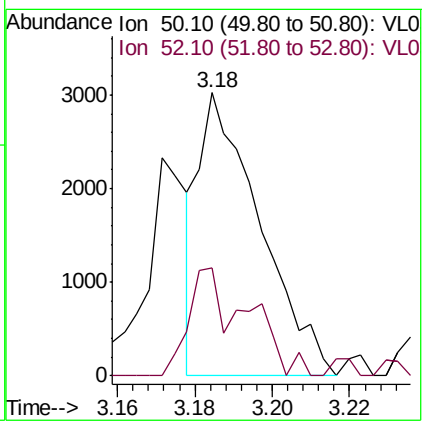


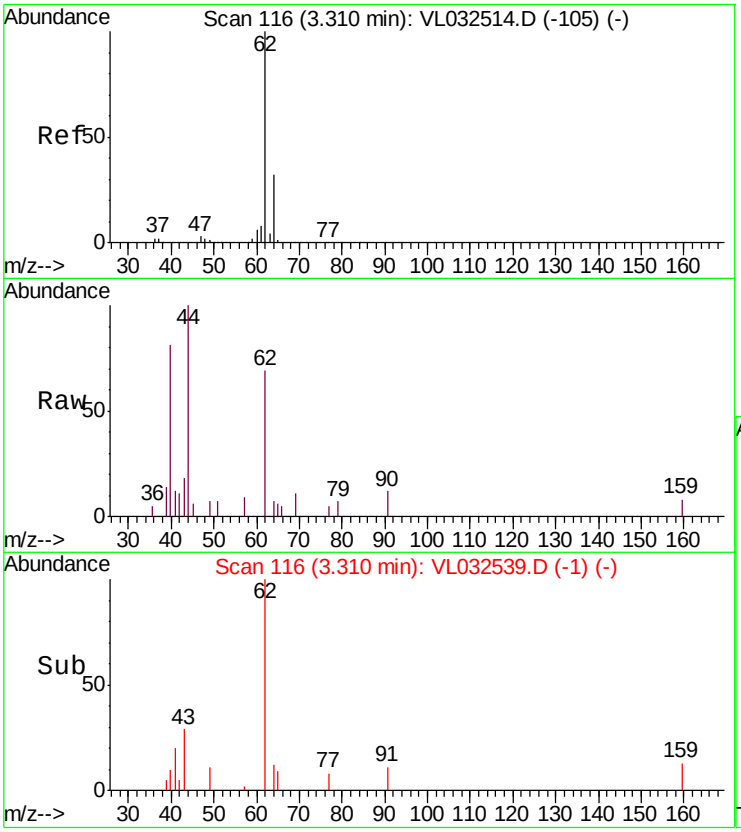


#4
Chloromethane
Concen: 0.046 ppbv
RT: 3.18 min Scan# 77
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 50 Resp: 3323

Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.6	38.4



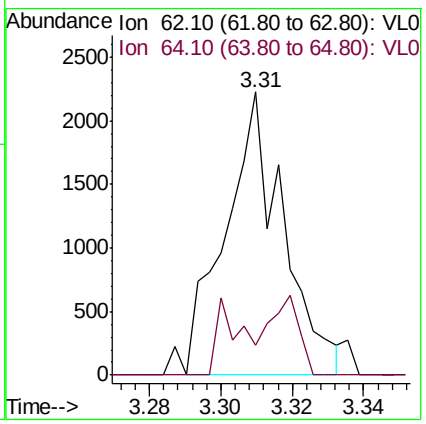


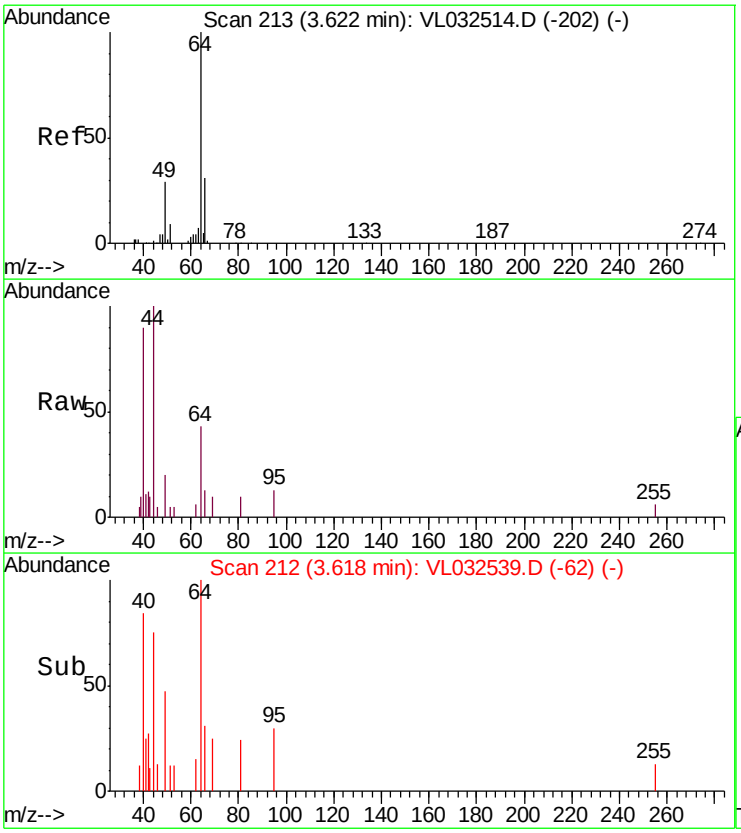
#5
Vinyl Chloride
Concen: 0.034 ppbv
RT: 3.31 min Scan# 116
Delta R.T. -0.01 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument : MSVOA_L
ClientSampleId : GAC-INF-092018DL

Tgt Ion: 62 Resp: 2486

Ion	Ratio	Lower	Upper
62	100		
64	18.9	25.0	37.6#

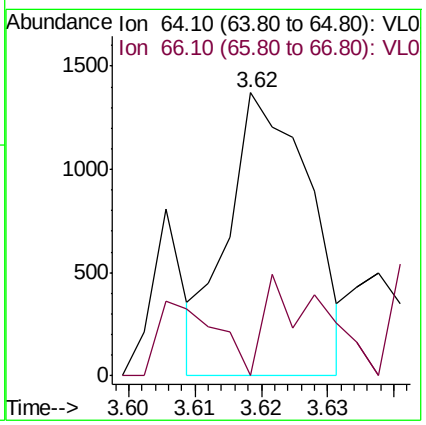


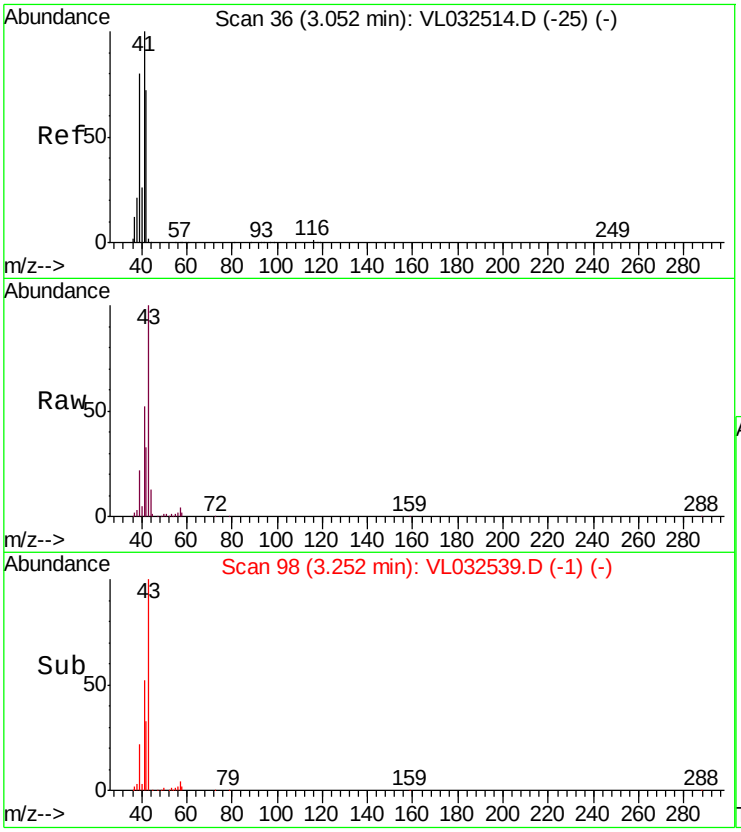


#7
Chloroethane
Concen: 0.045 ppbv
RT: 3.62 min Scan# 212
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 64 Resp: 1175

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.8	38.6#



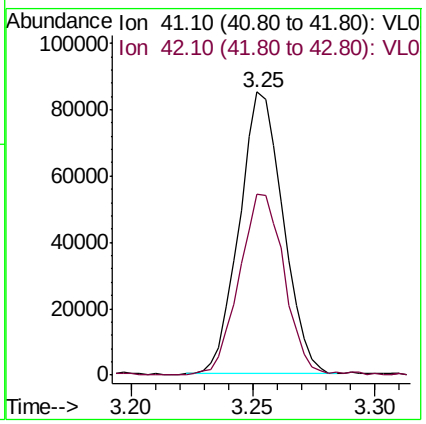


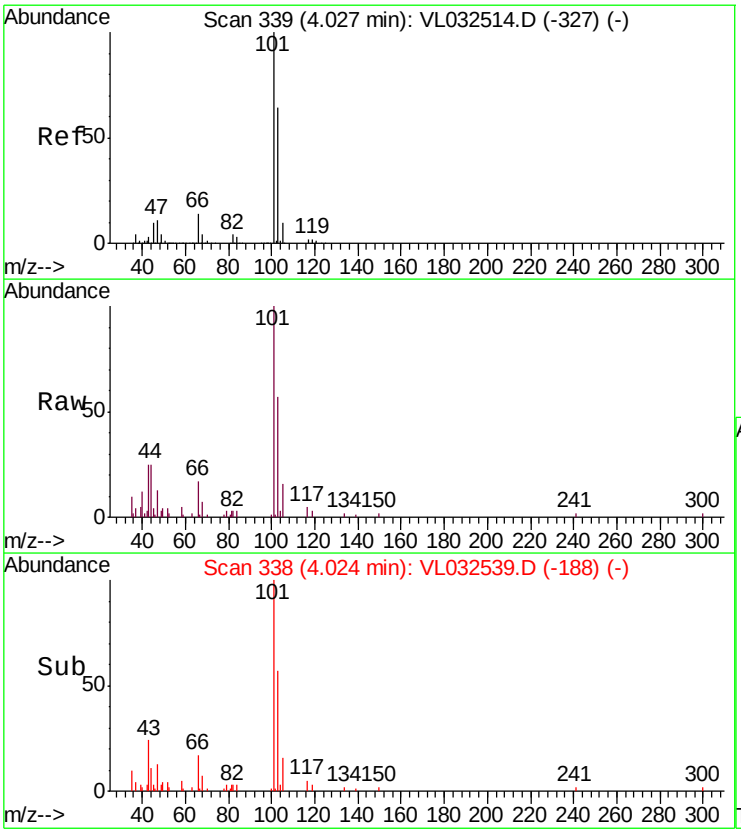
#9
Propene
Concen: 1.945 ppbv
RT: 3.25 min Scan# 98
Delta R.T. 0.18 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tgt Ion: 41 Resp: 105549

Ion	Ratio	Lower	Upper
41	100		
42	66.6	56.6	84.8

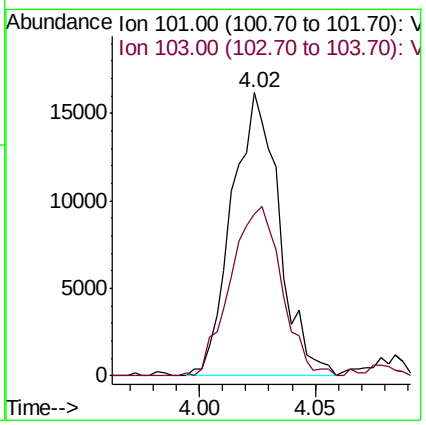


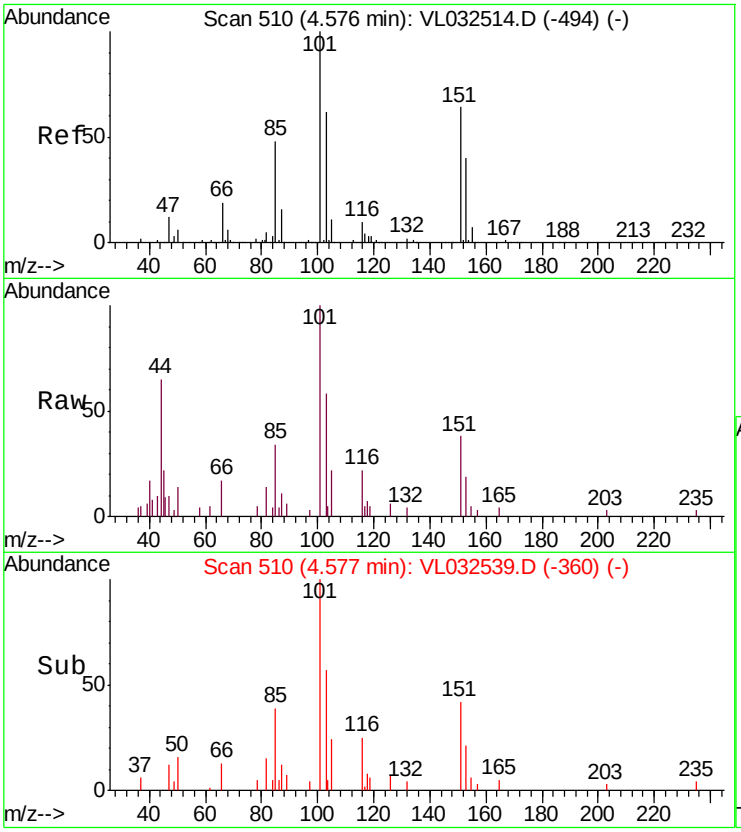


#11
Trichlorofluoromethane
Concen: 0.139 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion:101 Resp: 22913

Ion	Ratio	Lower	Upper
101	100		
103	57.2	52.8	79.2



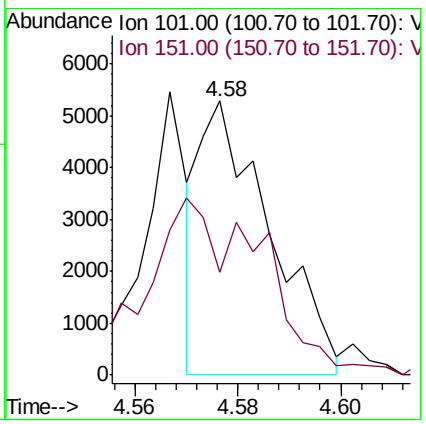


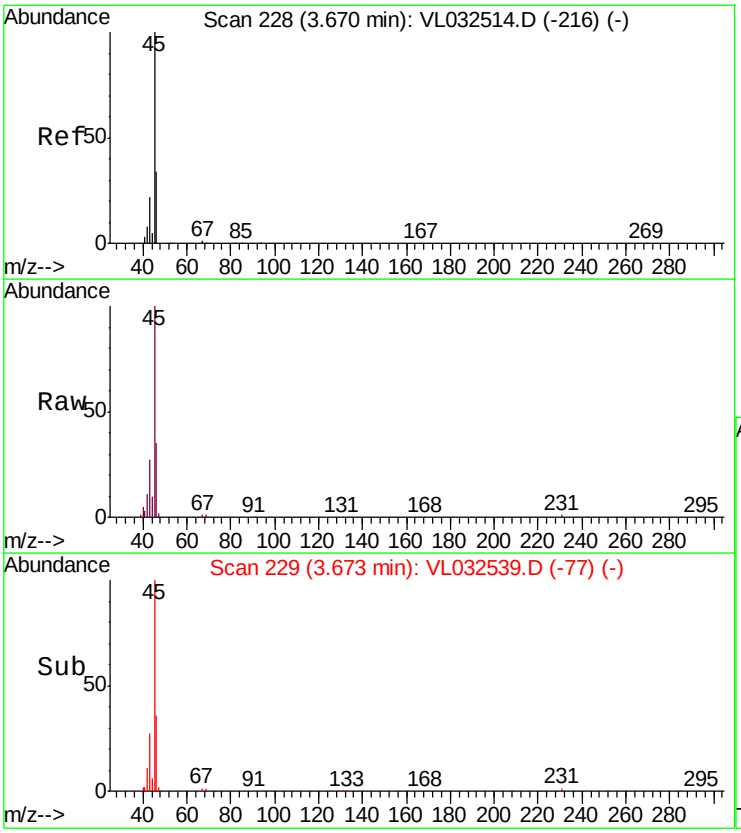
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.037 ppbv
RT: 4.58 min Scan# 510
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tgt Ion:101 Resp: 4996

Ion	Ratio	Lower	Upper
101	100		
151	0.0	52.6	78.8#

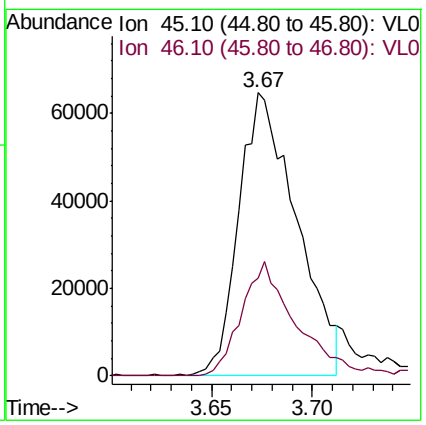


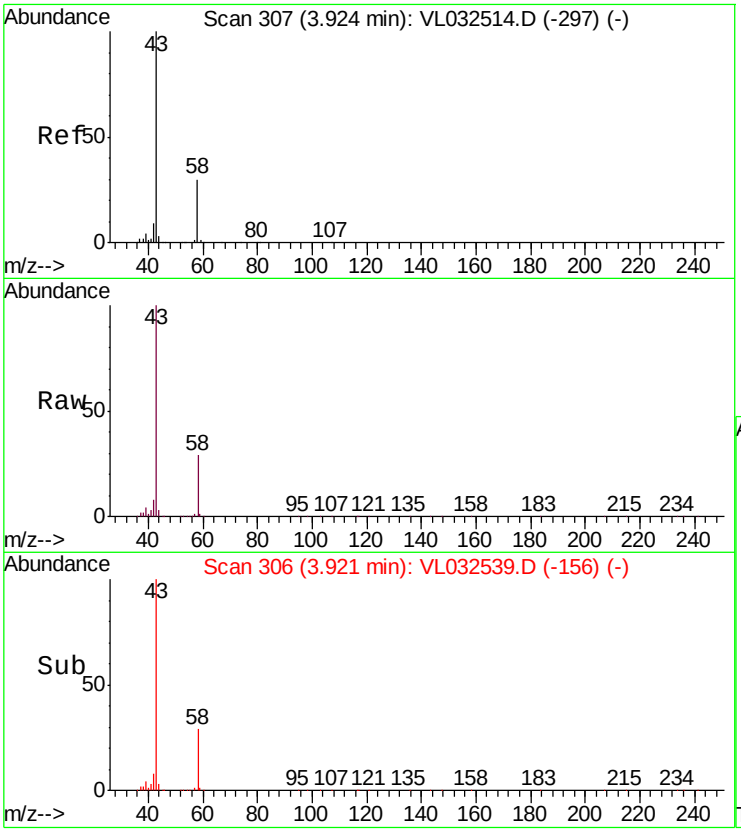


#13
Ethanol
Concen: 7.917 ppbv
RT: 3.67 min Scan# 229
Delta R.T. -0.01 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 45 Resp: 129138

Ion	Ratio	Lower	Upper
45	100		
46	38.4	14.2	56.8



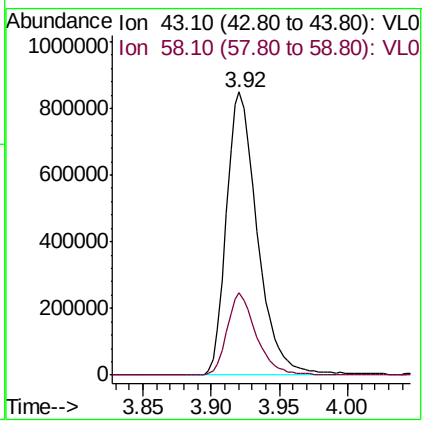


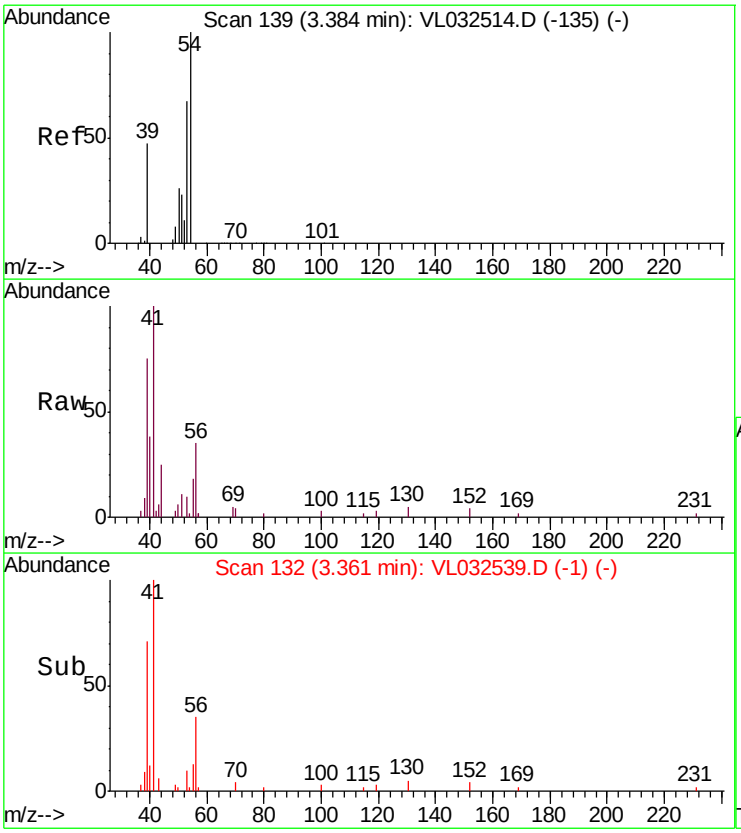
#15
Acetone
Concen: 10.135 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tgt Ion: 43 Resp: 1338004

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.6	33.8

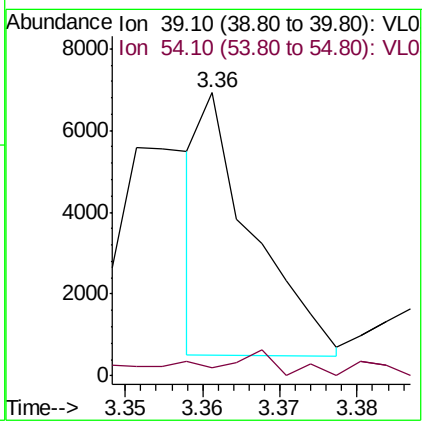


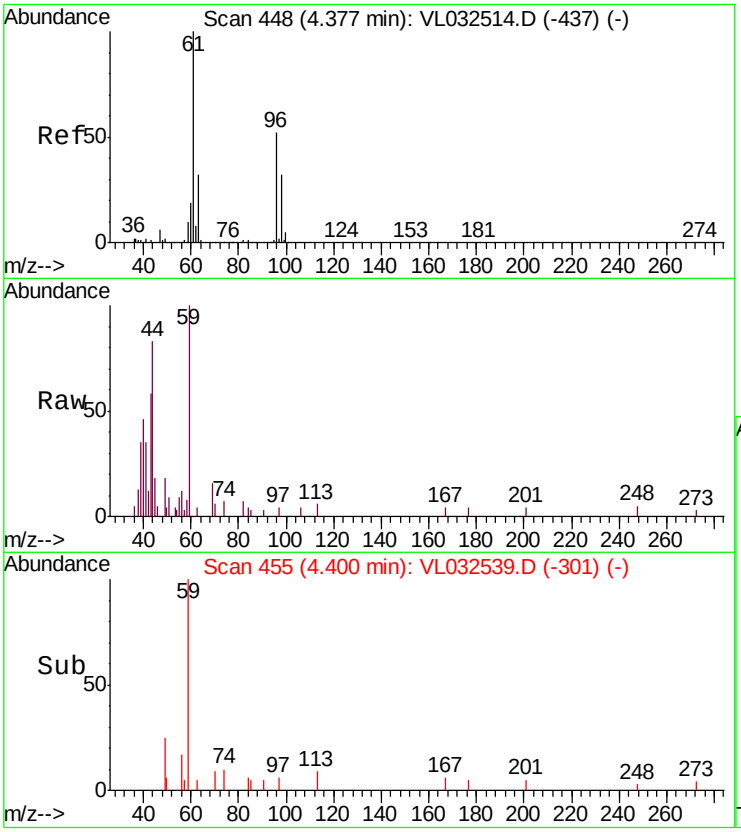


#16
1,3-Butadiene
Concen: 0.056 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.04 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 39 Resp: 3004

Ion	Ratio	Lower	Upper
39	100		
54	21.8	80.8	121.2#



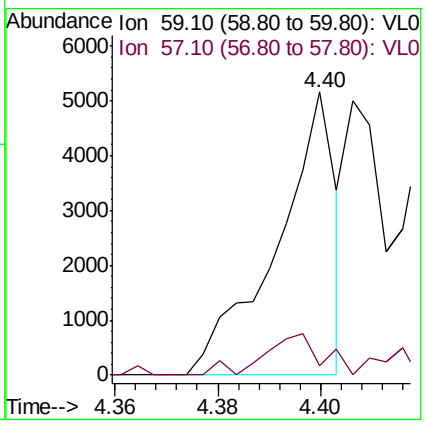


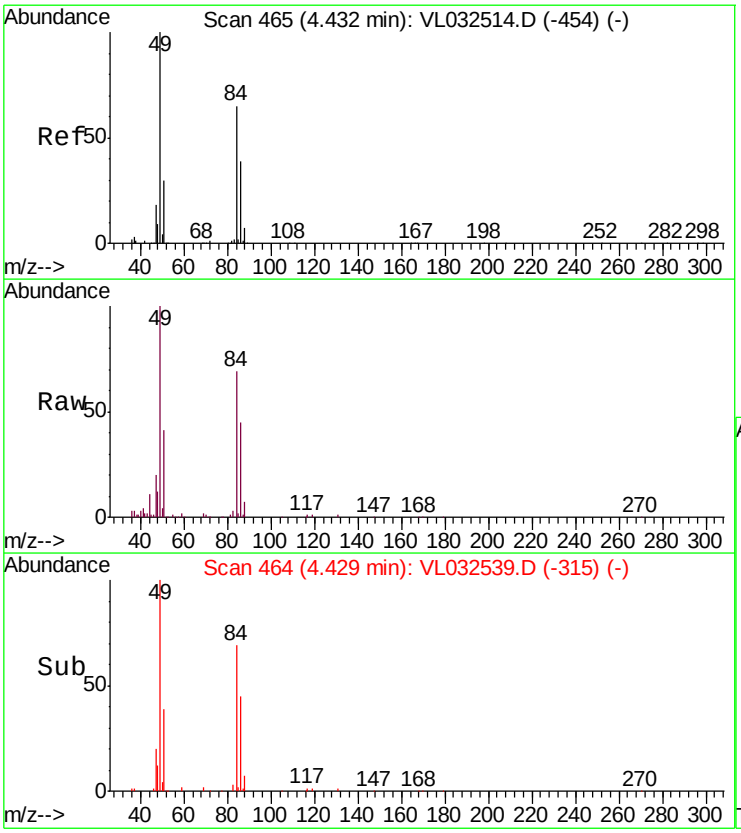
#17
tert-Butyl alcohol
Concen: 0.245 ppbv
RT: 4.40 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tgt Ion: 59 Resp: 4065

Ion	Ratio	Lower	Upper
59	100		
57	19.3	0.0	0.0#

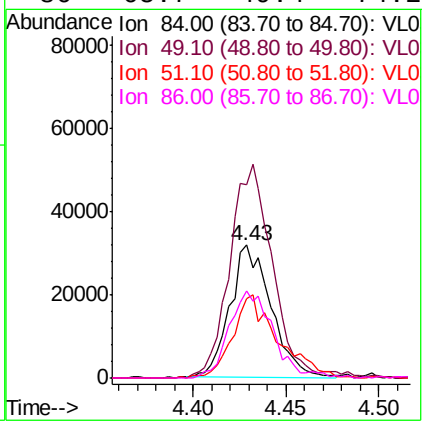


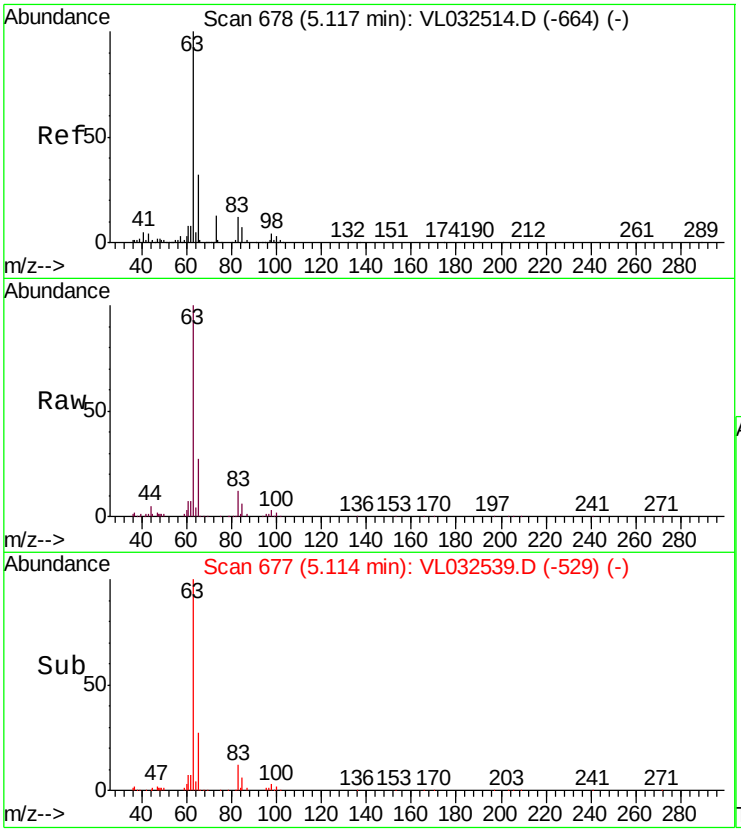


#20
Methylene Chloride
Concen: 0.765 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 84 Resp: 48932

Ion	Ratio	Lower	Upper
84	100		
49	146.3	119.1	178.7
51	59.5	35.2	52.8#
86	65.7	49.4	74.2



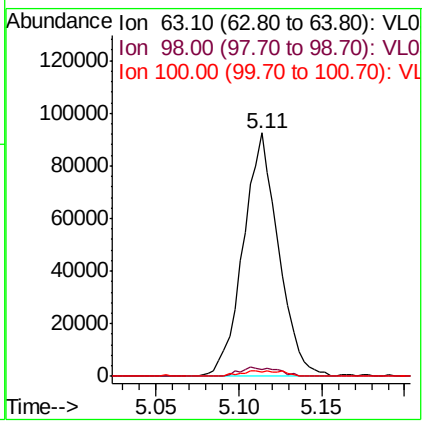


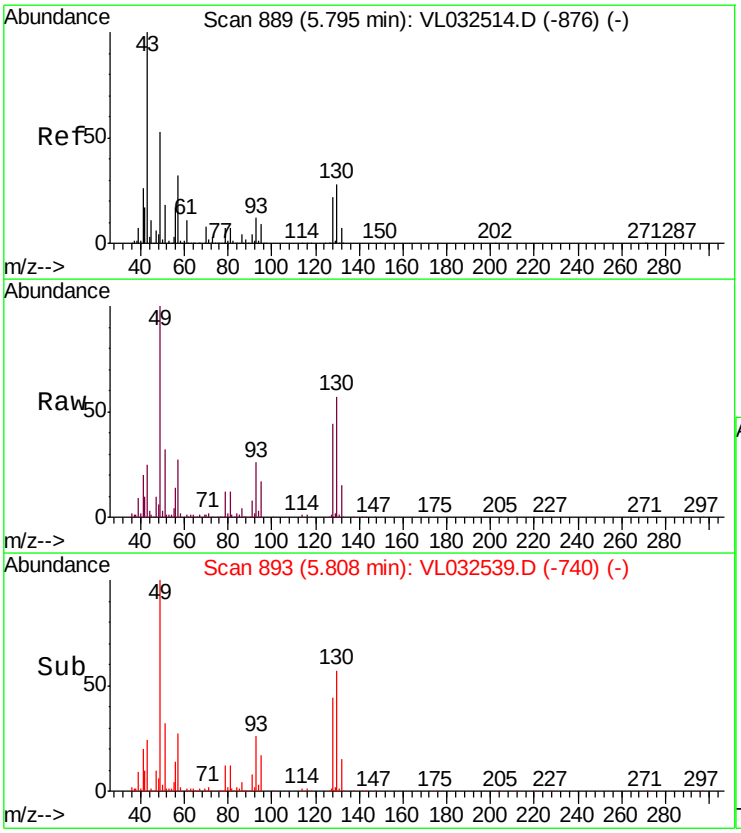
#24
1,1-Dichloroethane
Concen: 0.703 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tgt Ion: 63 Resp: 136634

Ion	Ratio	Lower	Upper
63	100		
98	2.6	2.1	6.5
100	1.5	1.5	4.4

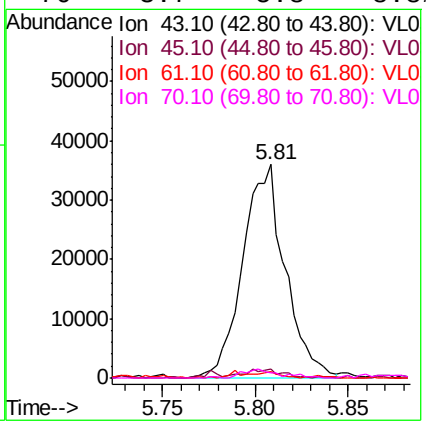


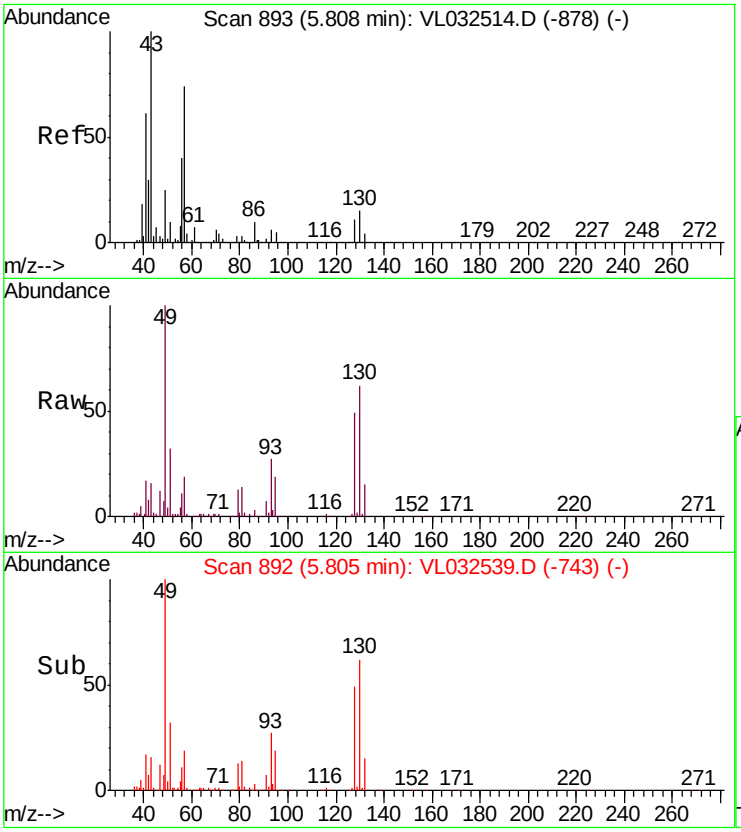


#25
Ethyl Acetate
Concen: 0.178 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 43 Resp: 57148

Ion	Ratio	Lower	Upper
43	100		
45	3.8	8.0	12.0#
61	0.0	7.6	11.4#
70	3.7	5.8	8.8#



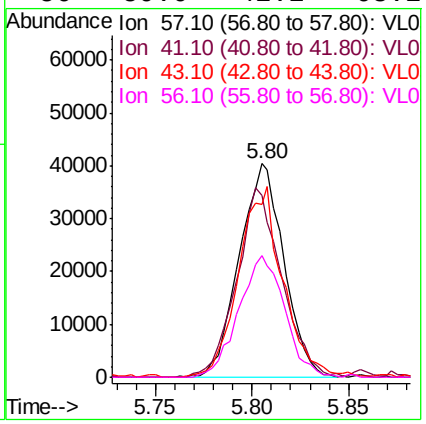


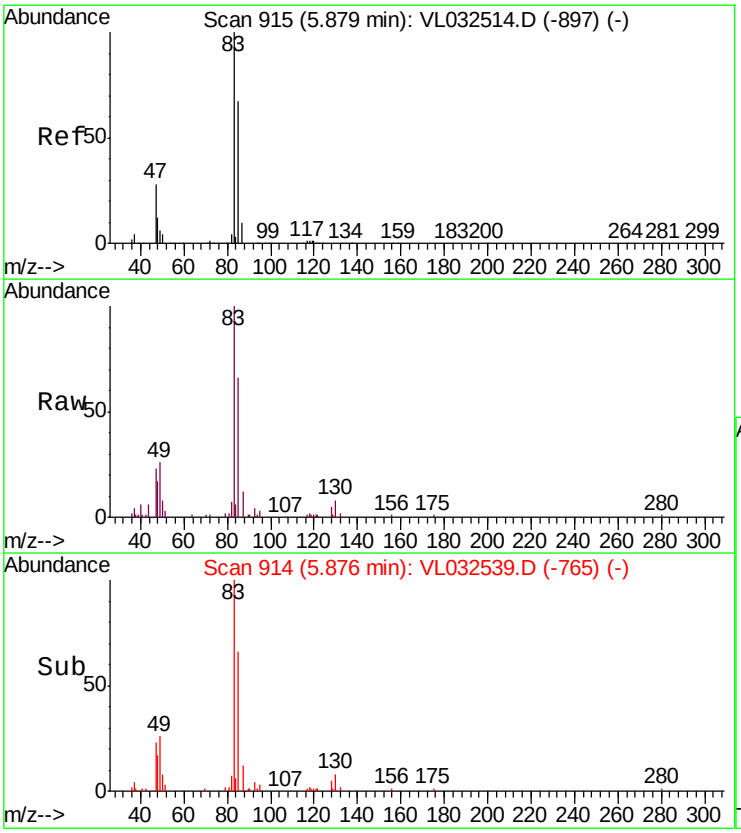
#26
Hexane
Concen: 0.448 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tgt Ion: 57 Resp: 64807

Ion	Ratio	Lower	Upper
57	100		
41	90.6	69.0	103.4
43	89.1	172.1	258.1#
56	59.0	42.2	63.2

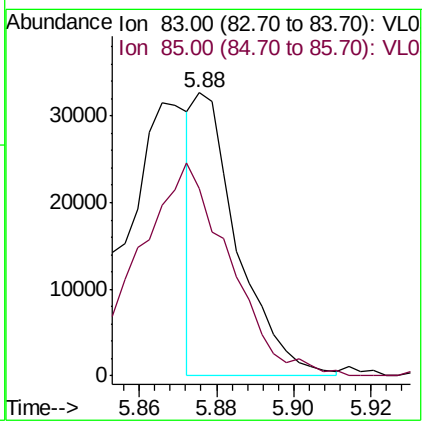


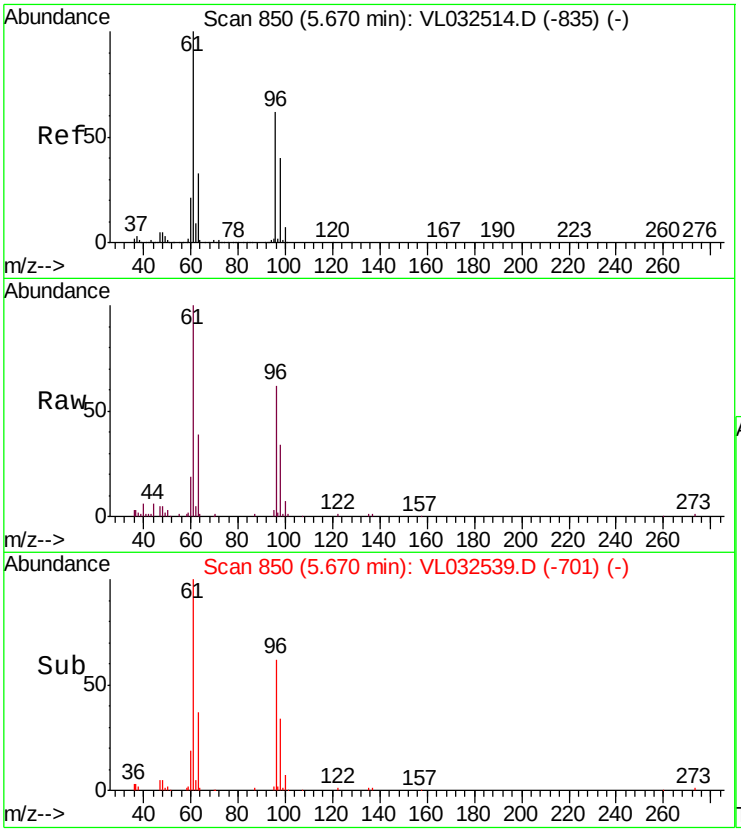


#29
Chloroform
Concen: 0.115 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 83 Resp: 25514

Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.5	78.7



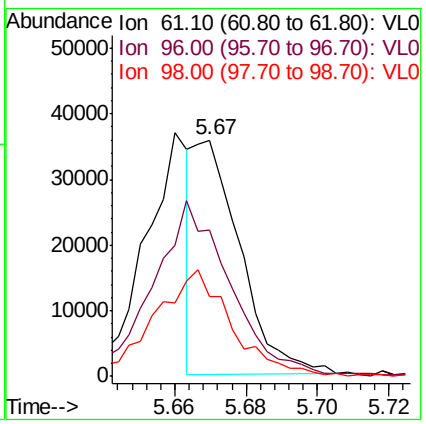


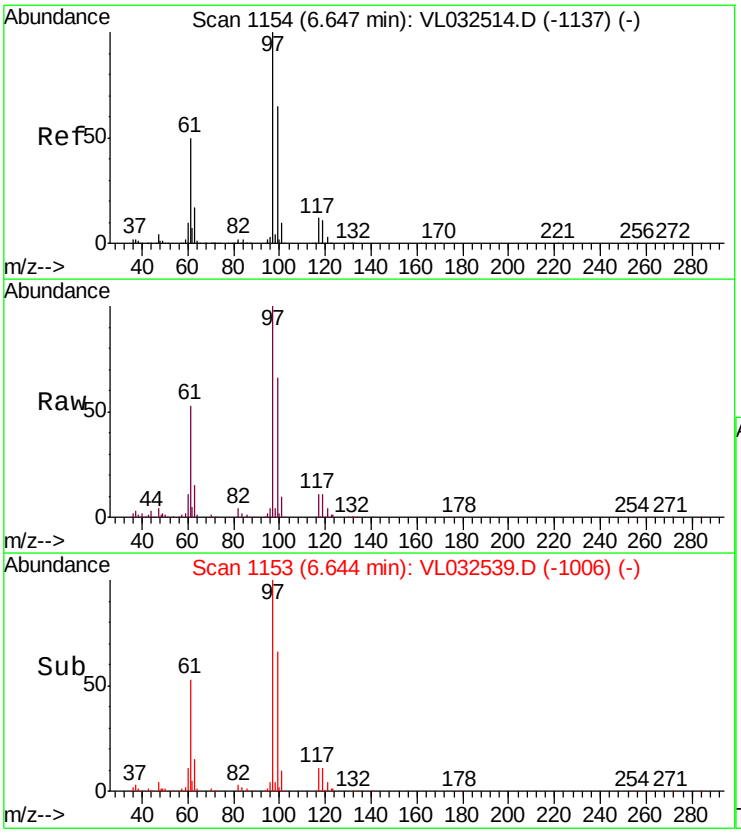
#31
cis-1,2-Dichloroethene
Concen: 0.232 ppbv
RT: 5.67 min Scan# 850
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tgt Ion: 61 Resp: 31964

Ion	Ratio	Lower	Upper
61	100		
96	61.0	49.2	73.8
98	34.0	30.7	46.1

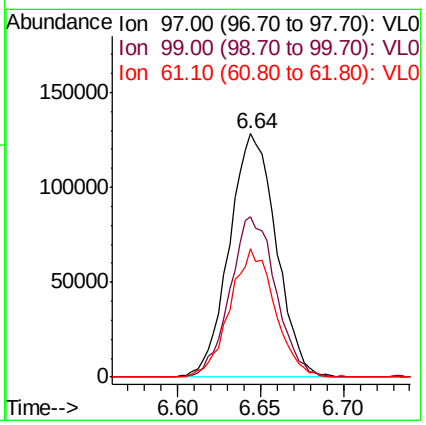


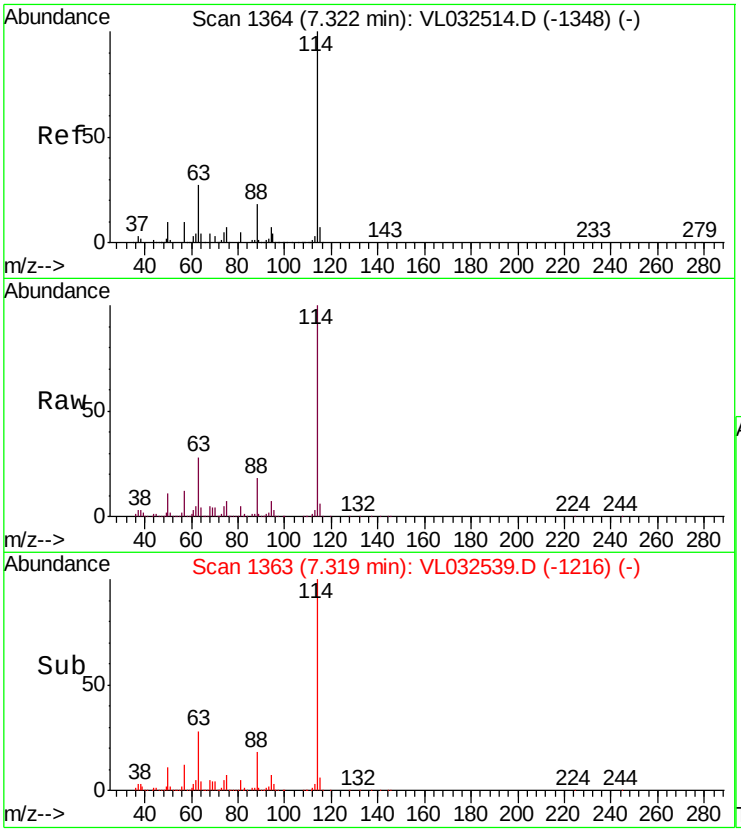


#32
1,1,1-Trichloroethane
Concen: 1.062 ppbv
RT: 6.64 min Scan# 1153
Delta R.T. -0.03 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 97 Resp: 251183

Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.1	78.1
61	50.7	42.5	63.7



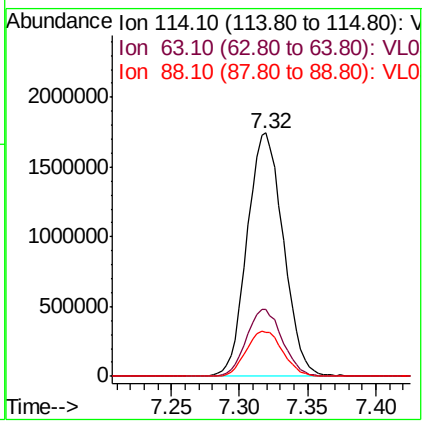


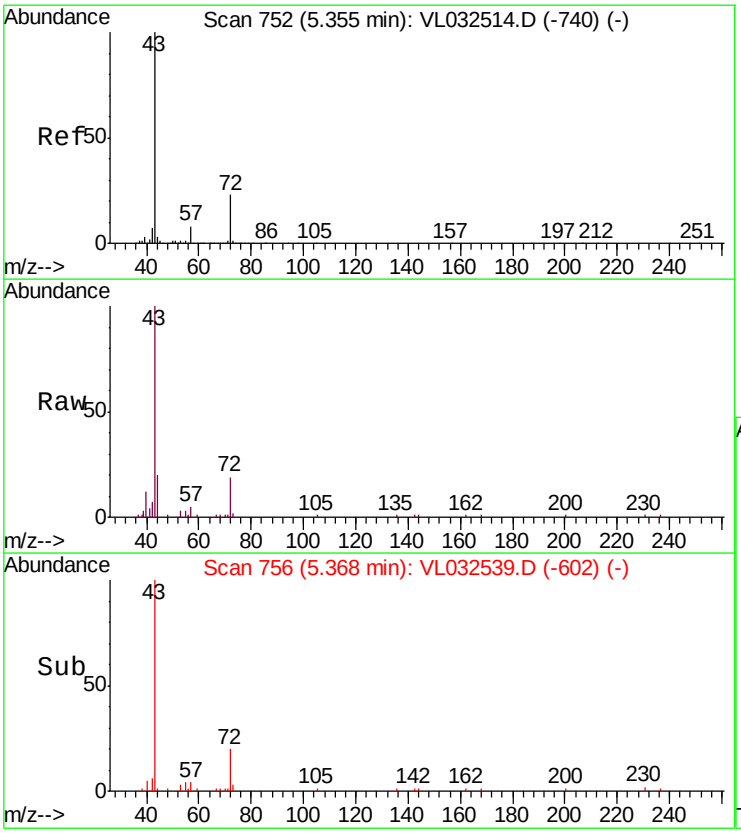
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.03 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tgt Ion:114 Resp: 3209498

Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.4
88	18.8	15.0	22.4

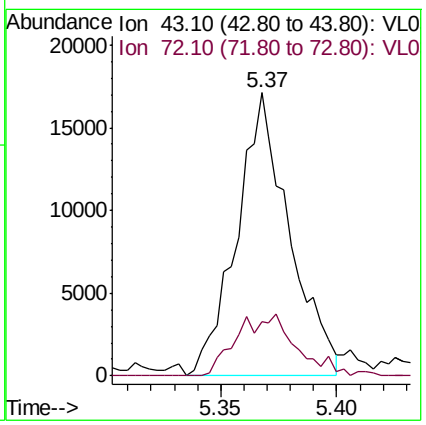


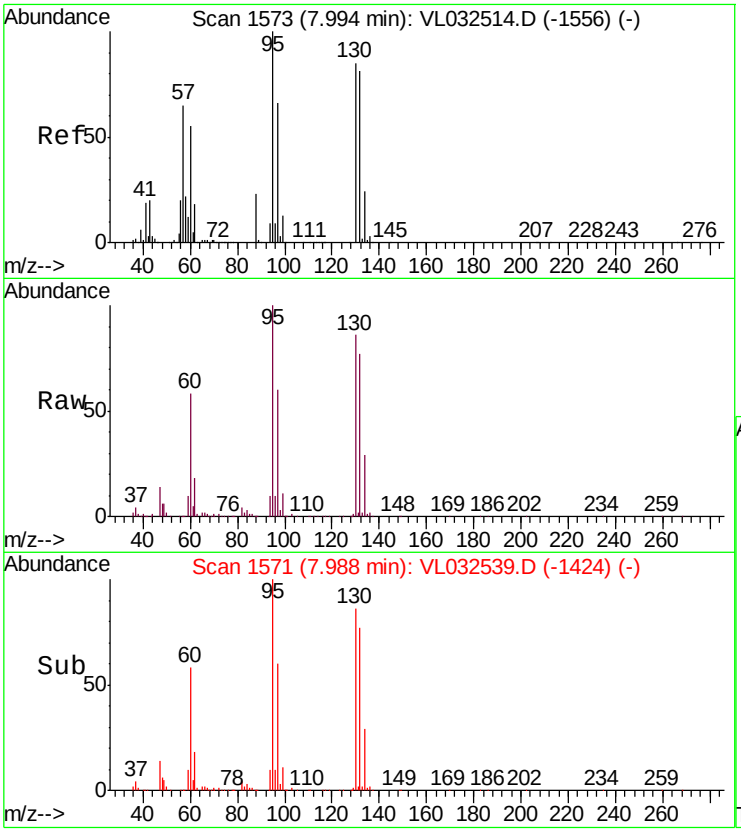


#34
2-Butanone
Concen: 0.142 ppbv
RT: 5.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 43 Resp: 27047

Ion	Ratio	Lower	Upper
43	100		
72	24.9	17.8	26.6



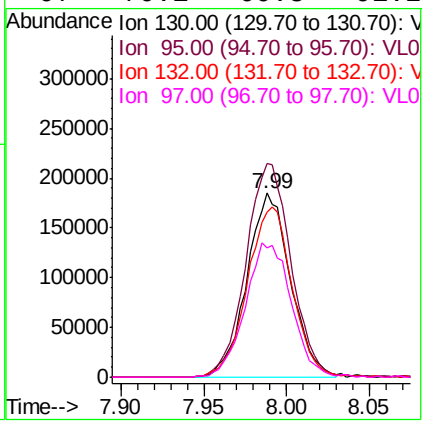


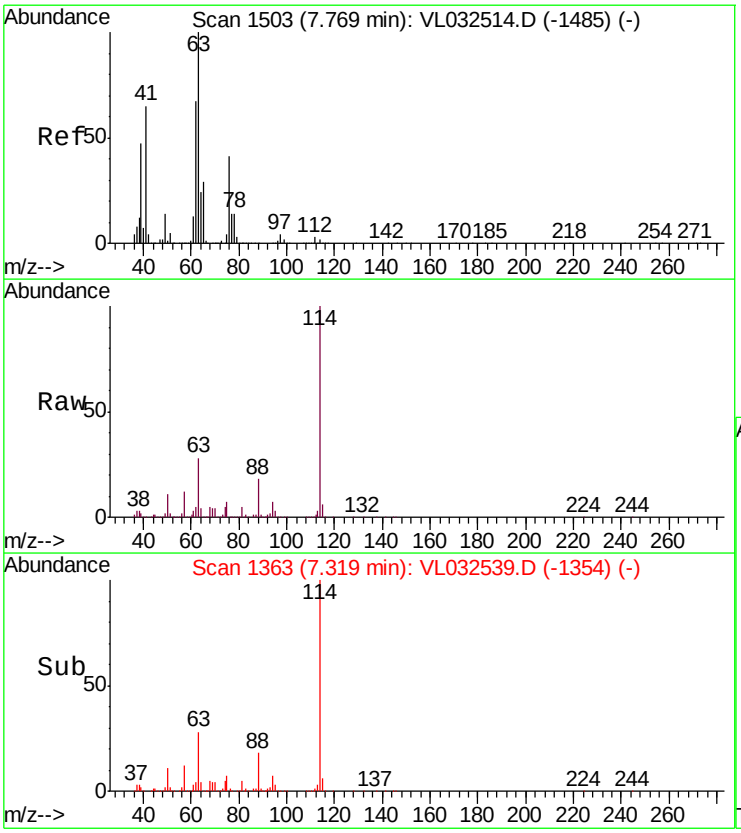
#38
Trichloroethene
Concen: 3.414 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.03 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument : MSVOA_L
ClientSampleId : GAC-INF-092018DL

Tgt Ion:130 Resp: 338989

Ion	Ratio	Lower	Upper
130	100		
95	116.1	94.2	141.4
132	89.7	76.2	114.4
97	70.1	60.8	91.2

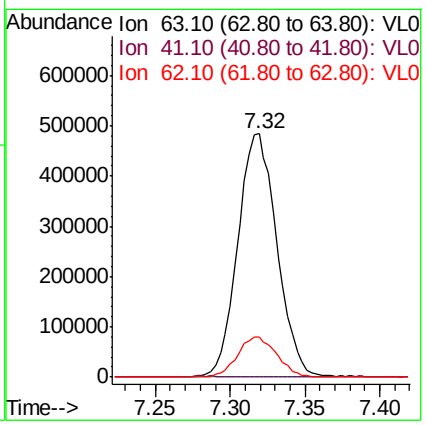


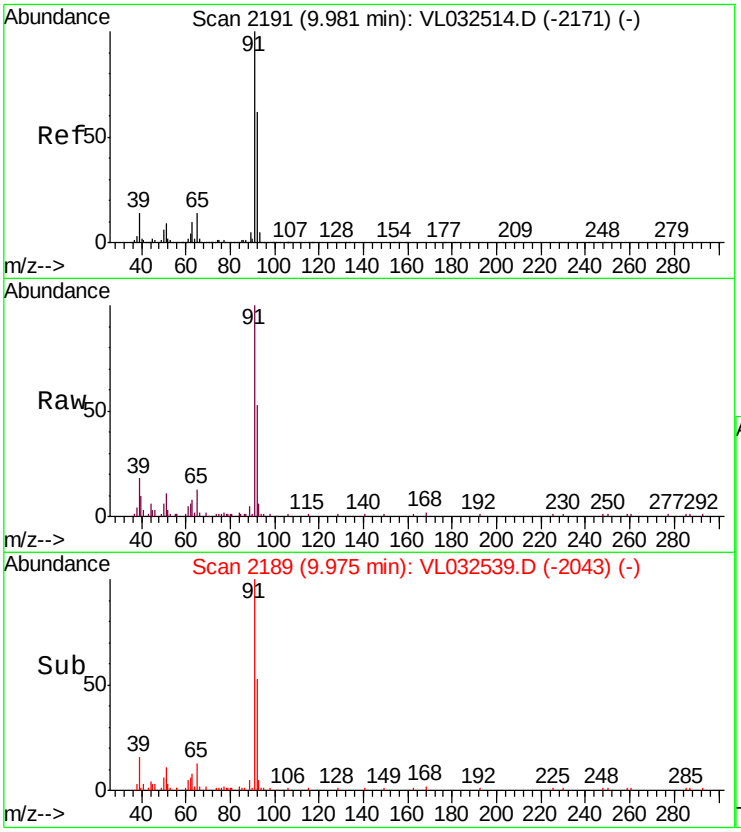


#39
1,2-Dichloropropane
Concen: 7.524 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.47 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 63 Resp: 879453

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.4	83.0#
62	16.3	55.4	83.0#



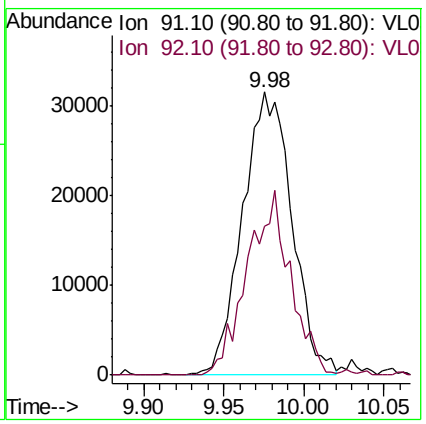


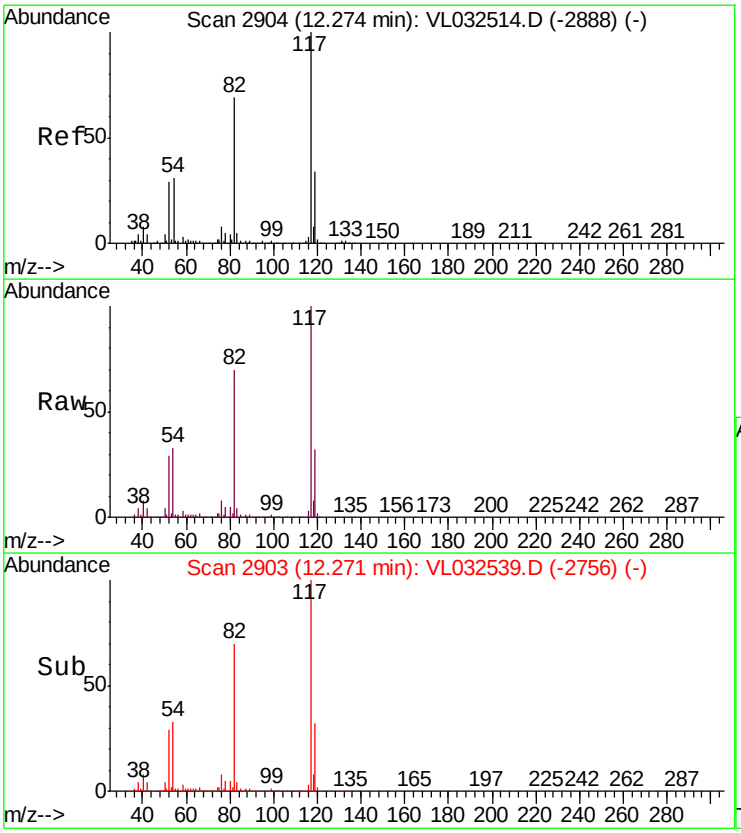
#53
Toluene
Concen: 0.211 ppbv
RT: 9.98 min Scan# 2189
Delta R.T. -0.03 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument : MSVOA_L
ClientSampleId : GAC-INF-092018DL

Tgt Ion: 91 Resp: 66754

Ion	Ratio	Lower	Upper
91	100		
92	57.2	48.1	72.1

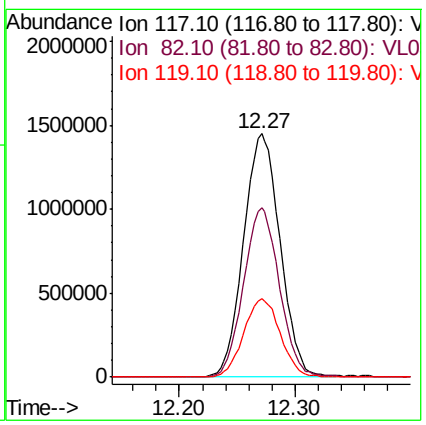


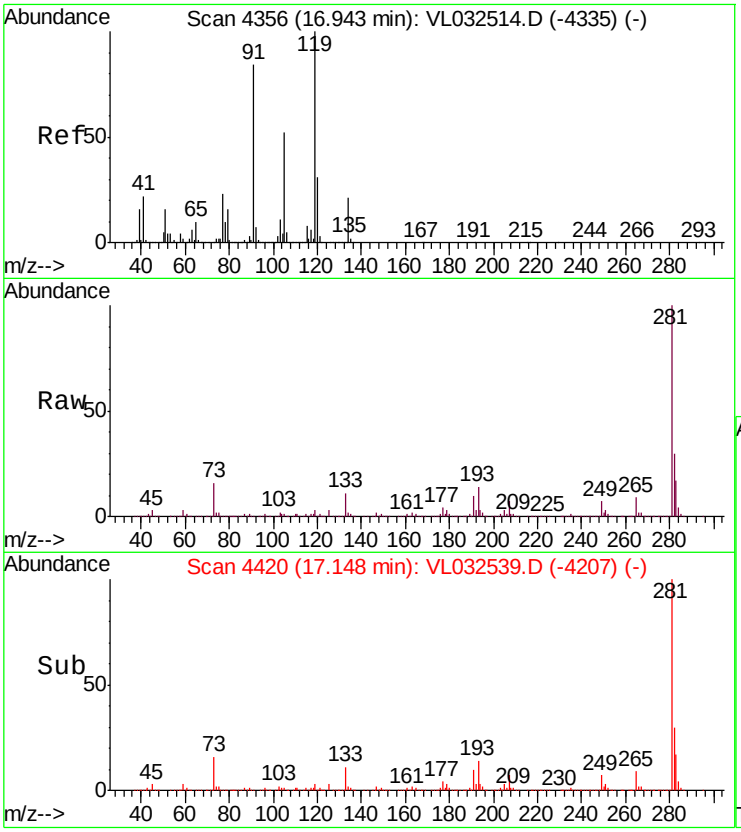


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion:117 Resp: 3183635

Ion	Ratio	Lower	Upper
117	100		
82	68.8	53.0	79.6
119	32.3	45.9	68.9#



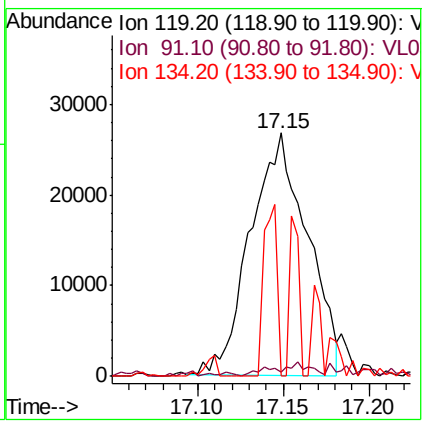


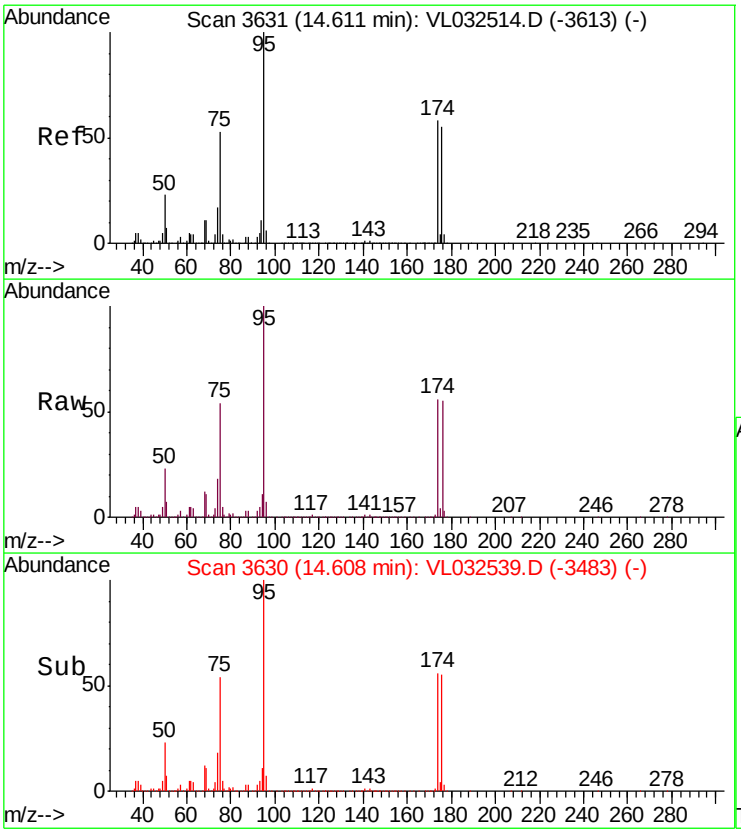
#65
tert-Butylbenzene
Concen: 0.151 ppbv
RT: 17.15 min Scan# 4420
Delta R.T. 0.18 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tgt Ion:119 Resp: 61371

Ion	Ratio	Lower	Upper
119	100		
91	0.0	66.5	99.7#
134	26.9	16.0	24.0#

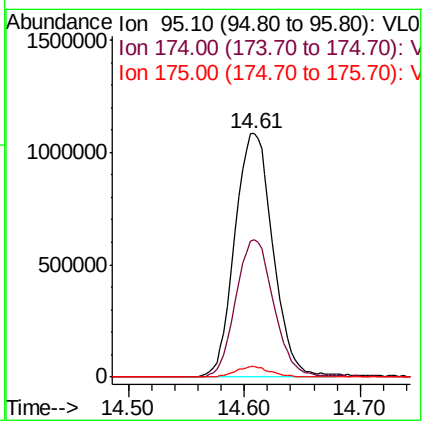


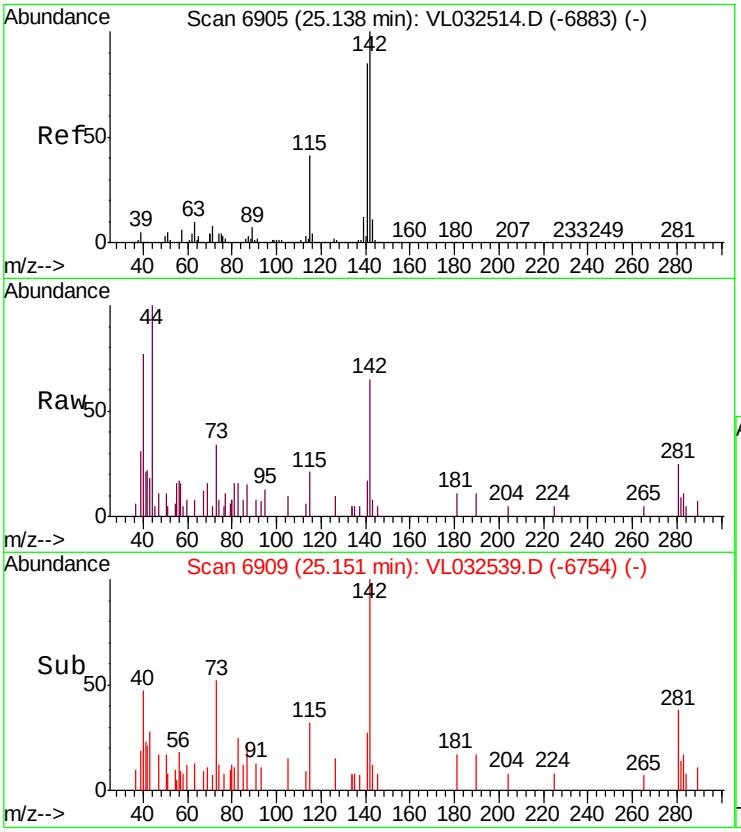


#68
1-Bromo-4-Fluorobenzene
Concen: 10.316 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 95 Resp: 2476593

Ion	Ratio	Lower	Upper
95	100		
174	56.7	46.3	69.5
175	4.2	3.4	5.0





#80
Naphthalene,2-methyl-
Concen: 0.053 ppbv
RT: 25.15 min Scan# 6909
Delta R.T. -0.00 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tgt Ion:142 Resp: 3432

Ion	Ratio	Lower	Upper
142	100		
141	85.4	67.0	100.6
115	50.1	31.3	46.9#