Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101718\

Quantitation Report (Not Reviewed)

Data File : VL032640.D
Acq On : 17 Oct 2018 14:28
Operator : SY/AP
Sample : J5500-02DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS04-MIVIDL

Quant Time: Oct 17 16:26:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.79	49	1328978	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.32	114	2945315	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.26	117	2897397	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.60	95	2220573	10.18	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	1699	Below Cal			96
9) Propene	3.05	41	421742	10.346	ppbv		86
10) Heptane	8.27	43	138707	0.909	ppbv		99
13) Ethanol	3.67	45	200400	15.887	ppbv		98
15) Acetone	3.93	43	914200	7.730	ppbv		96
16) 1,3-Butadiene	3.36	39	275486	6.291	ppbv	#	21
17) tert-Butyl alcohol	4.38	59	15849	1.468	ppbv	#	100
18) 1,1-Dichloroethene	4.37	96	181790	3.225	ppbv		96
19) Isopropyl Alcohol	4.05	45	103618	1.241	ppbv	#	1
20) Methylene Chloride	4.43	84	49439	0.933	ppbv		92
21) Allyl Chloride	4.48	41	10486	0.118	ppbv	#	1
23) Vinyl Acetate	5.17	43	55110	0.293	ppbv	#	72
25) Ethyl Acetate	5.80	43	87730	0.313	ppbv	#	79
26) Hexane	5.80	57	216343	1.716	ppbv	#	42
27) Carbon Disulfide	4.64	76	33135	0.218	ppbv	#	70
29) Chloroform	5.87	83	23055547	104.361	ppbv	#	75
30) Cyclohexane	7.27	84	23626	0.238	ppbv	#	1
31) cis-1,2-Dichloroethene	5.66	61	10481	0.087	ppbv		95
34) 2-Butanone	5.36	43	377680	2.310	ppbv		99
35) Carbon Tetrachloride	7.16	117	11525815	50.494	ppbv		96
36) Benzene	7.04	78	827709	3.467	ppbv		97
38) Trichloroethene	7.98	130	212864	2.371	ppbv		95
39) 1,2-Dichloropropane	7.32	63	763426	7.861	ppbv	#	26
41) Tetrahydrofuran	6.15	42	9544	0.110	ppbv	#	35
50) 4-Methyl-2-Pentanone	8.91	43	23400	0.097	ppbv	#	19
51) 2-Hexanone	10.31	43	15053	0.080	ppbv	#	4
52) Tetrachloroethene	11.41	164	2685	0.034	ppbv	#	50
53) Toluene	9.97	91	747950	2.748	ppbv		100
58) Ethyl Benzene	12.88	91	76651	0.236	ppbv		97
59) m/p-Xylene	13.17	91	17143	0.059	ppbv	#	31
60) o-Xylene	13.87	91	23888	0.083	ppbv	#	26
61) Styrene	13.71	104	5410	0.031	ppbv	#	27
80) Naphthalene,2-methyl-	25.14	142	247	0.743	ppbv	#	1

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

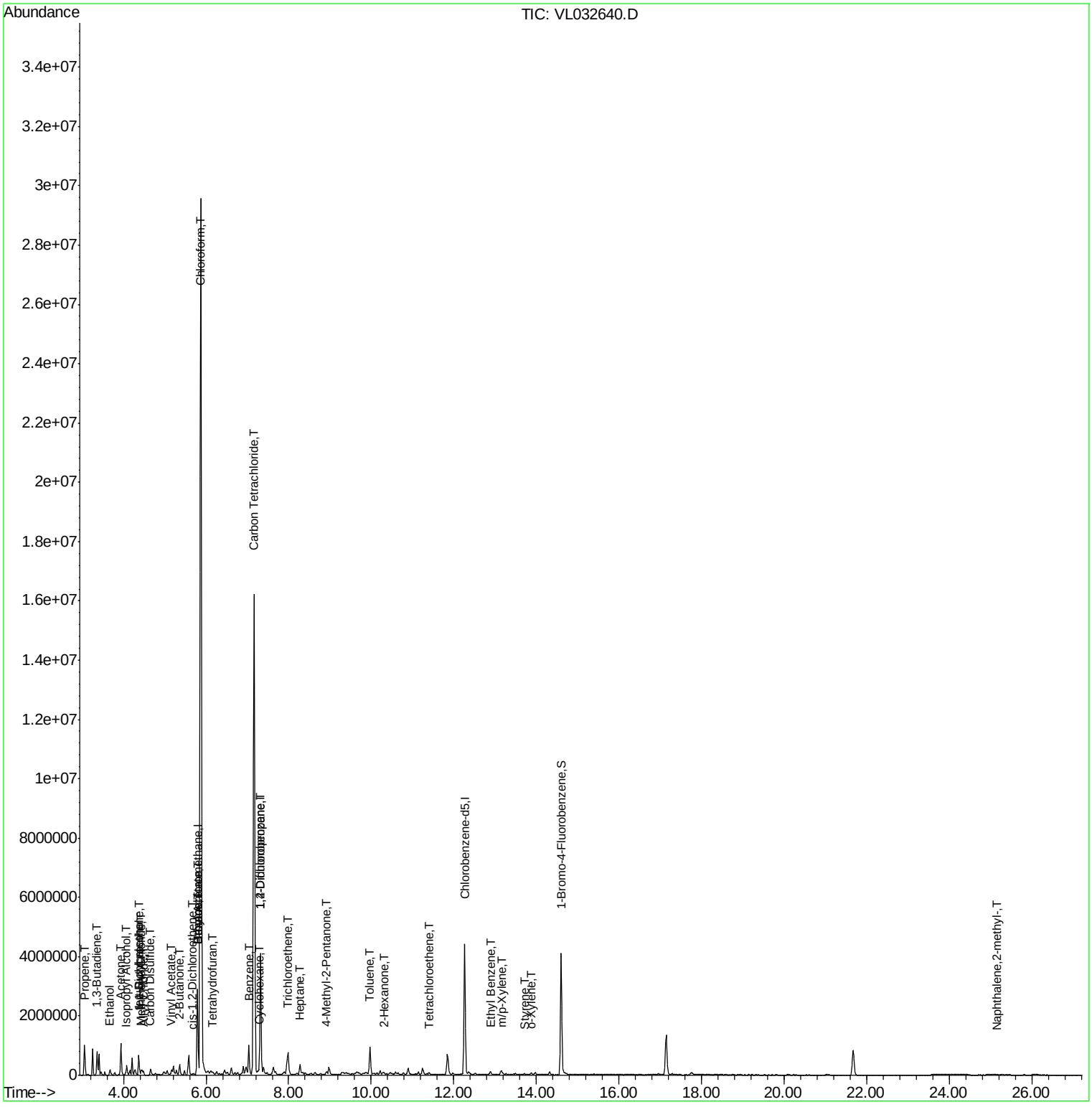
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101718\

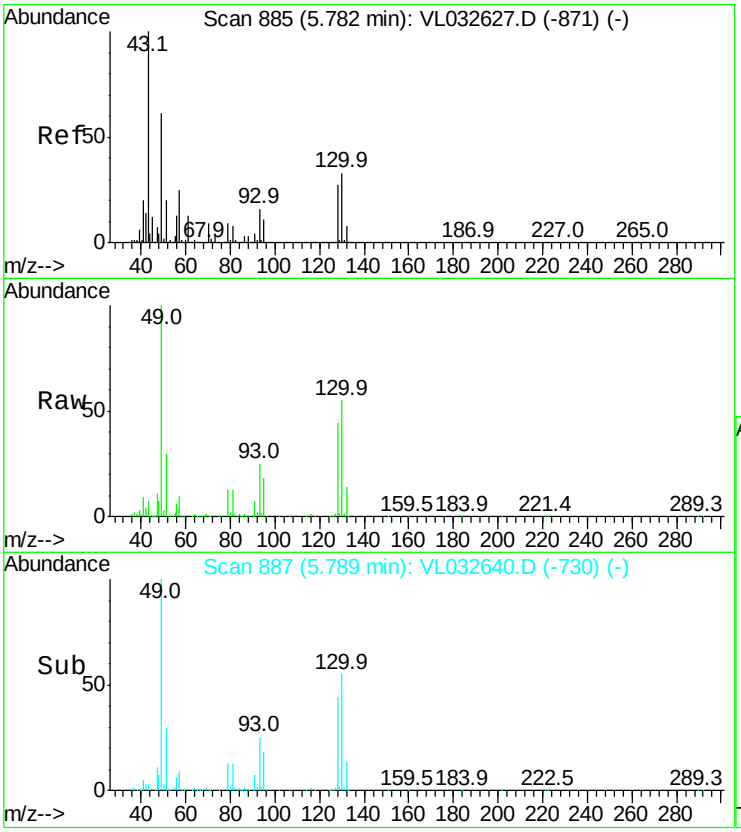
Quantitation Report (Not Reviewed)

Data File : VL032640.D
Acq On : 17 Oct 2018 14:28
Operator : SY/AP
Sample : J5500-02DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS04-MIVIDL

Quant Time: Oct 17 16:26:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration



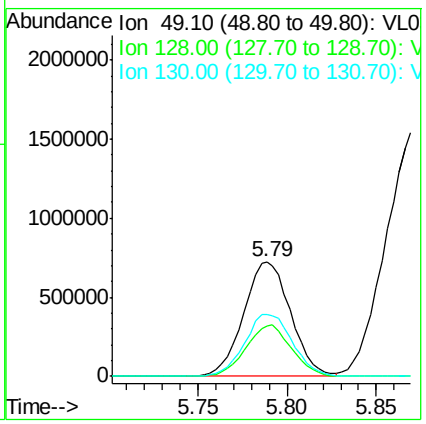


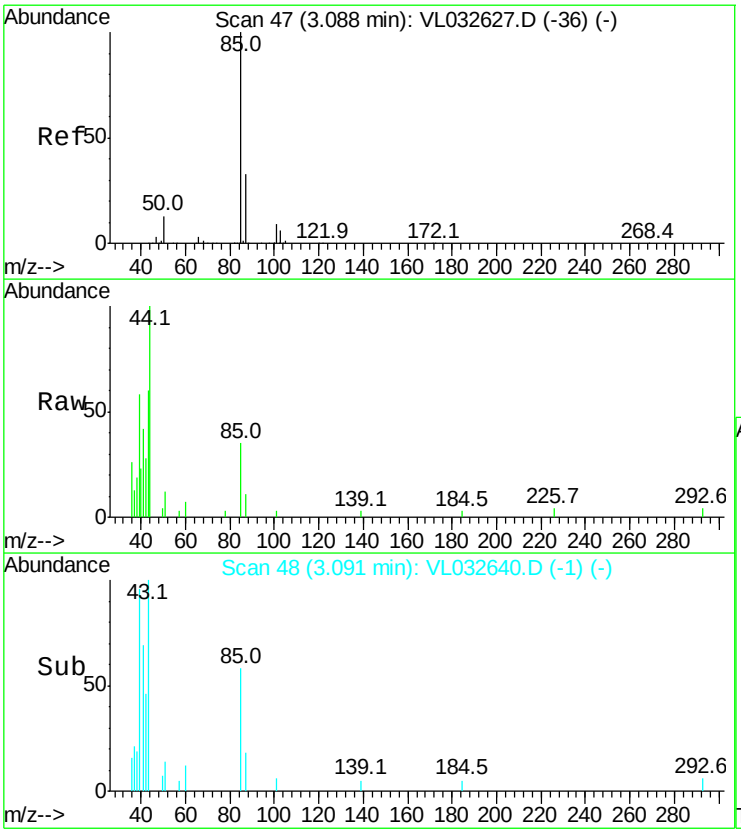
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 49 Resp: 1328978

Ion	Ratio	Lower	Upper
49	100		
128	43.9	22.3	66.8
130	55.9	28.4	85.3

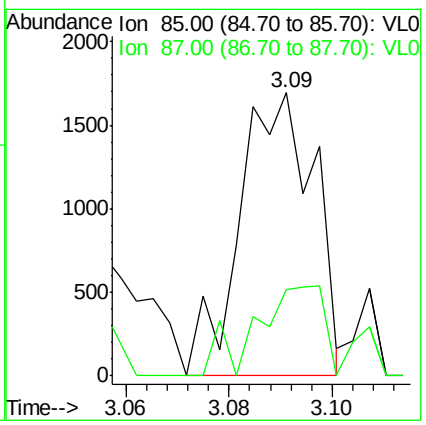


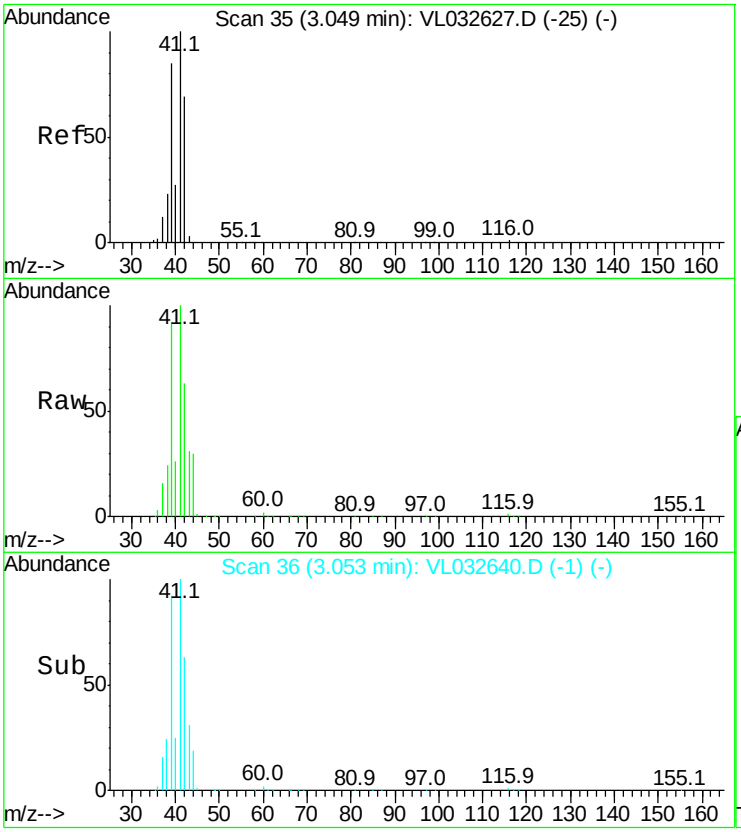


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 3.09 min Scan# 48
Delta R.T. 0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 85 Resp: 1699

Ion	Ratio	Lower	Upper
85	100		
87	30.4	26.2	39.2



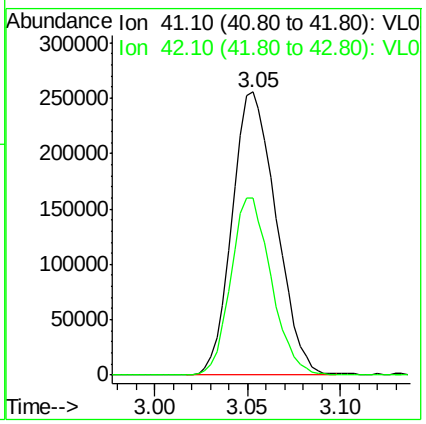


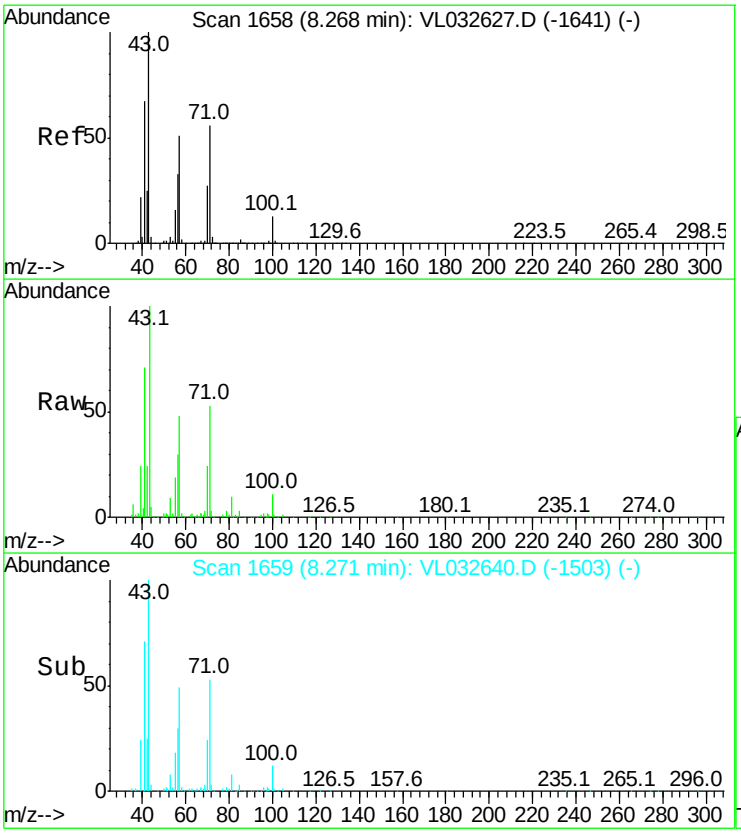
#9
Propene
Concen: 10.346 ppbv
RT: 3.05 min Scan# 36
Delta R.T. 0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 41 Resp: 421742

Ion	Ratio	Lower	Upper
41	100		
42	57.5	55.4	83.0

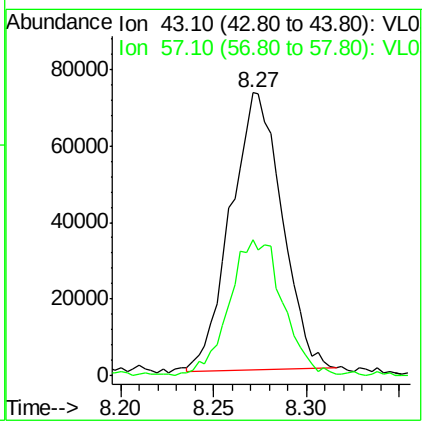


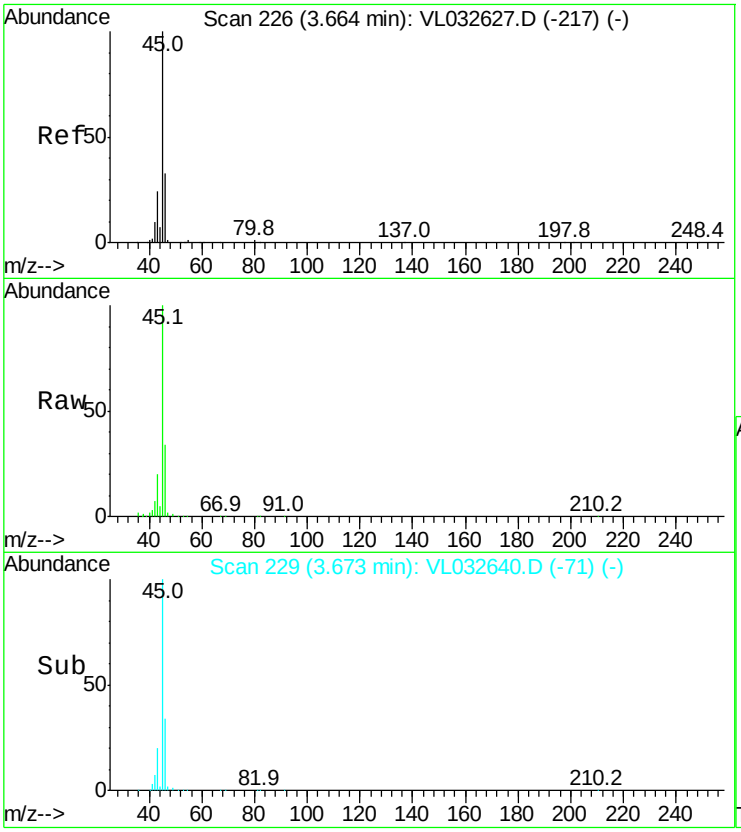


#10
Heptane
Concen: 0.909 ppbv
RT: 8.27 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 43 Resp: 138707

Ion	Ratio	Lower	Upper
43	100		
57	51.0	41.5	62.3



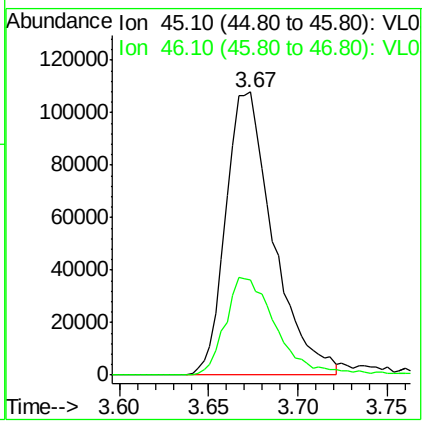


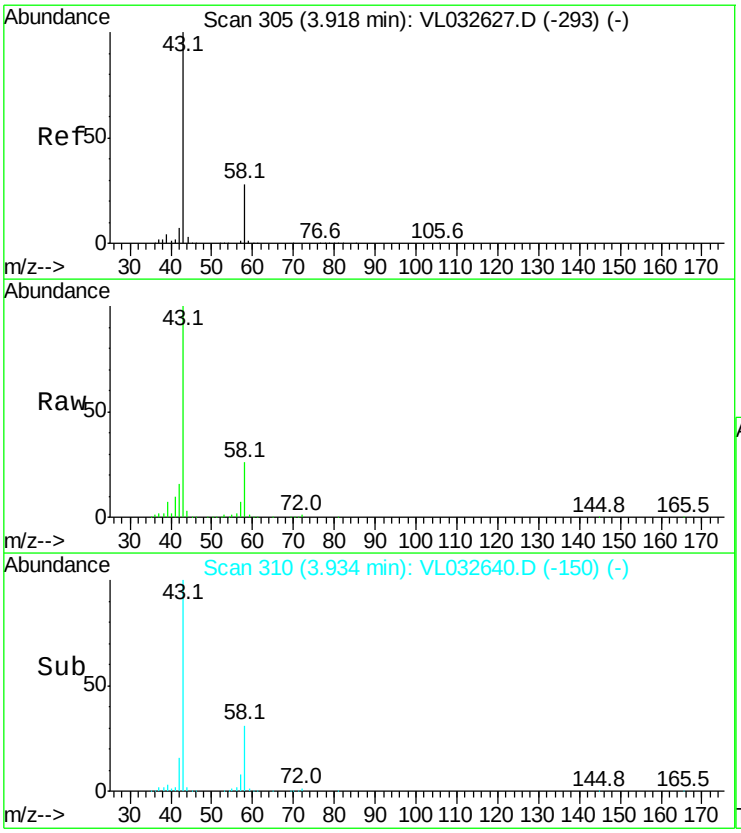
#13
Ethanol
Concen: 15.887 ppbv
RT: 3.67 min Scan# 229
Delta R.T. 0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 45 Resp: 200400

Ion	Ratio	Lower	Upper
45	100		
46	37.2	15.4	61.8

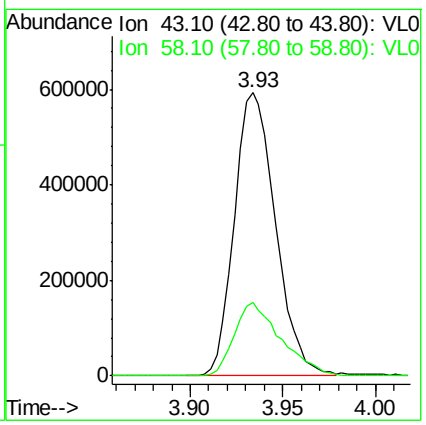


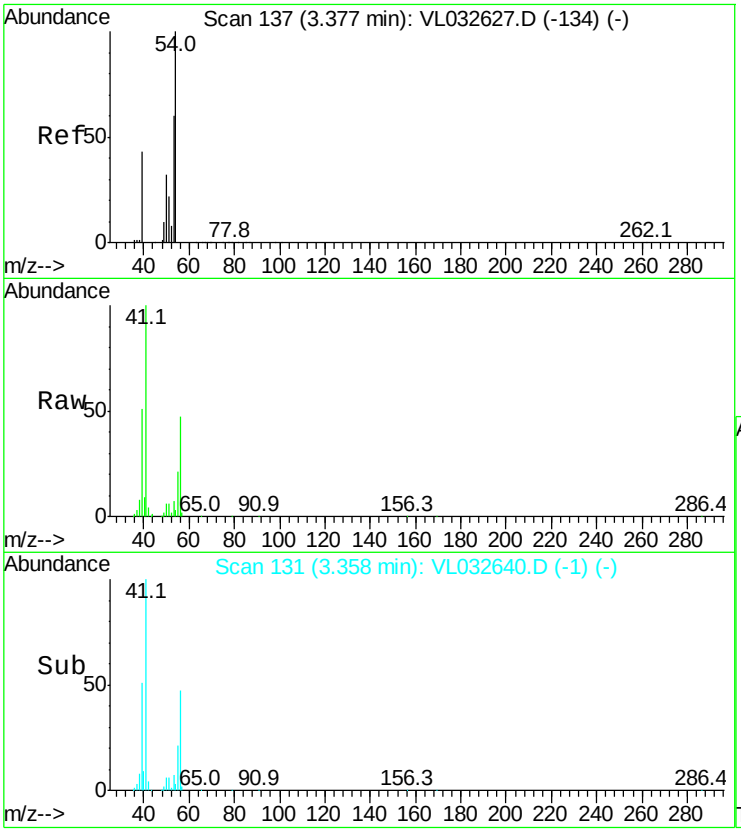


#15
Acetone
Concen: 7.730 ppbv
RT: 3.93 min Scan# 310
Delta R.T. 0.02 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 43 Resp: 914200

Ion	Ratio	Lower	Upper
43	100		
58	29.7	22.1	33.1



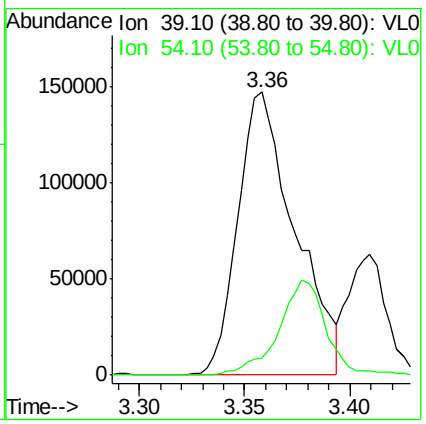


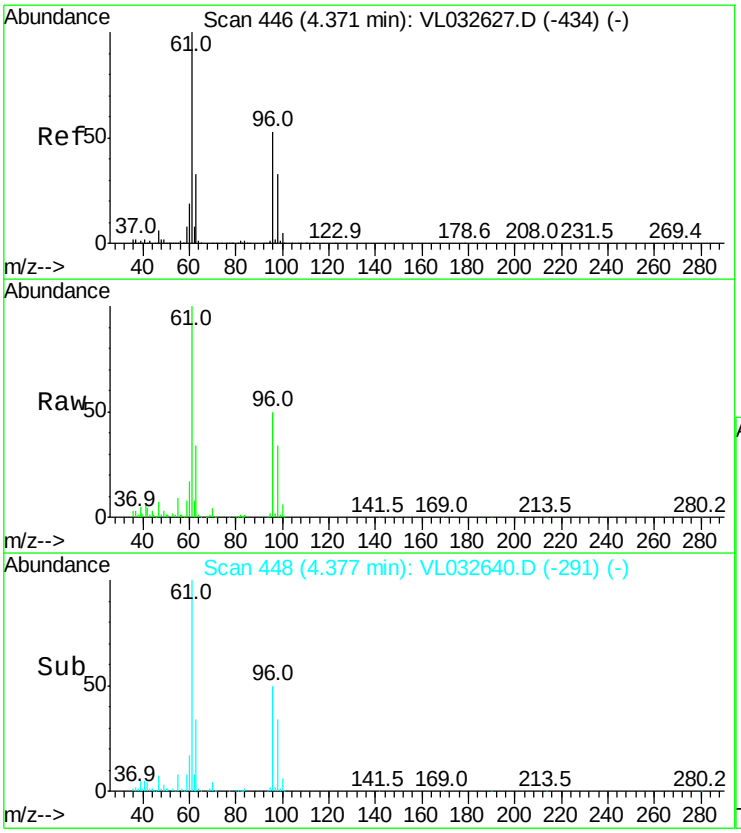
#16
1,3-Butadiene
Concen: 6.291 ppbv
RT: 3.36 min Scan# 131
Delta R.T. -0.02 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 39 Resp: 275486

Ion	Ratio	Lower	Upper
39	100		
54	28.1	90.4	135.6#

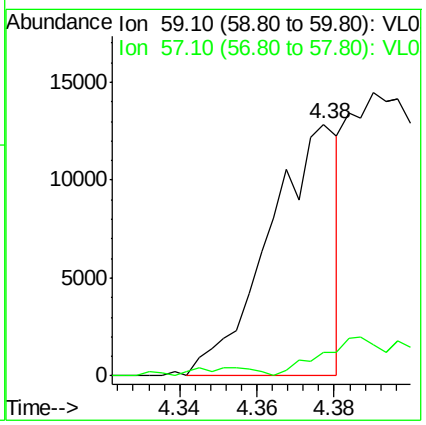


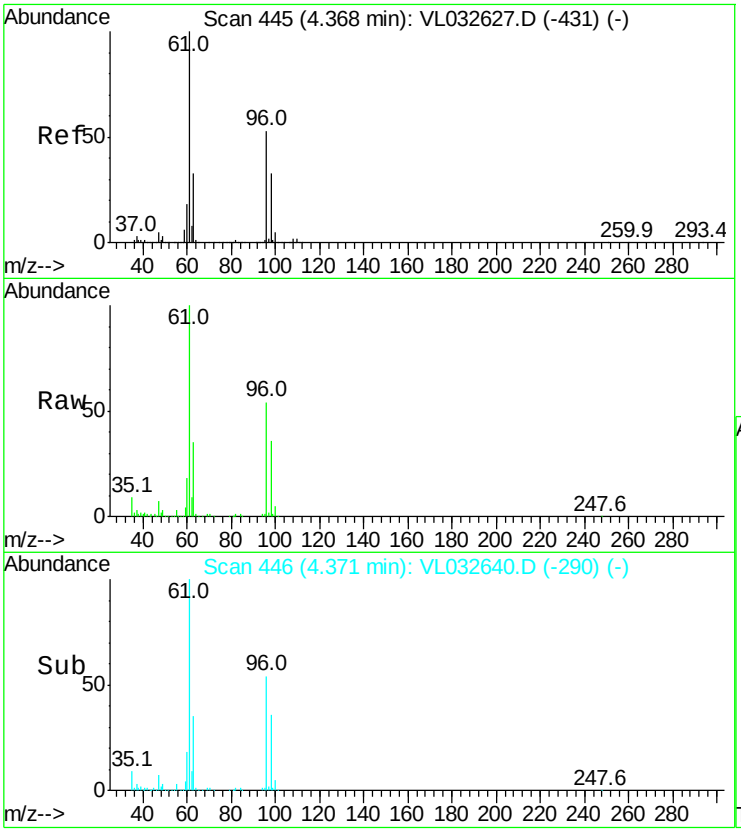


#17
tert-Butyl alcohol
Concen: 1.468 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 59 Resp: 15849

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0



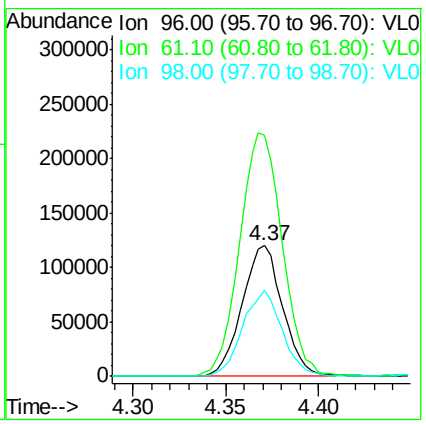


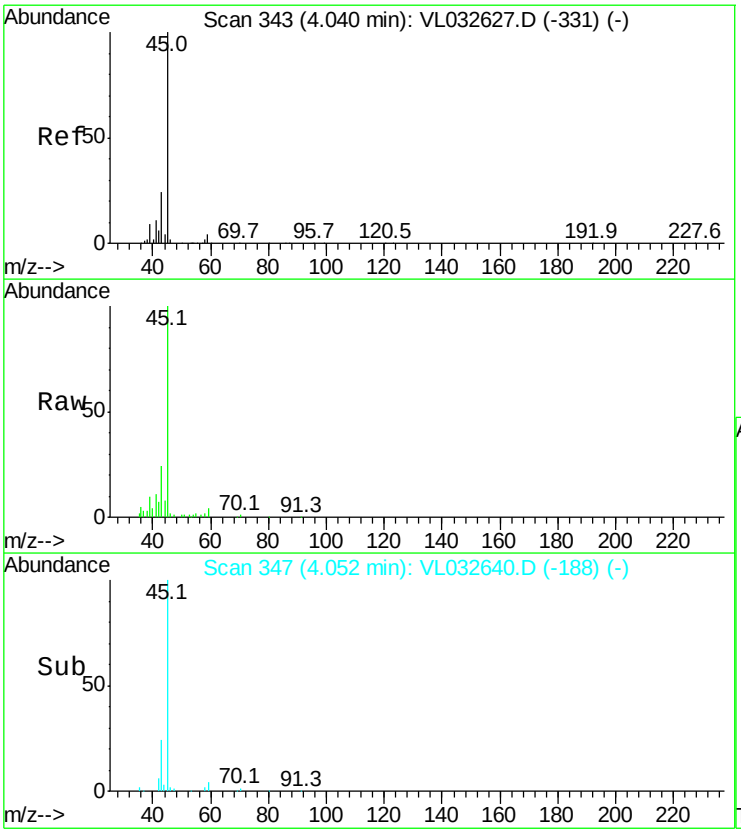
#18
1,1-Dichloroethene
Concen: 3.225 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 96 Resp: 181790

Ion	Ratio	Lower	Upper
96	100		
61	183.8	151.6	227.4
98	66.2	50.6	75.8

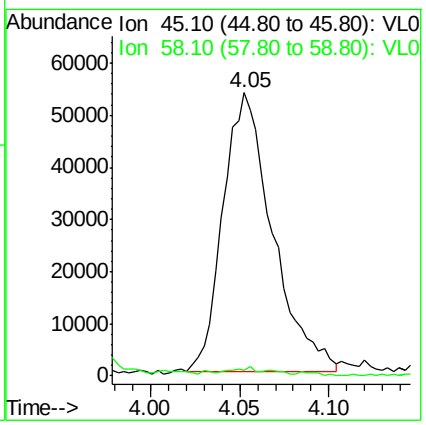


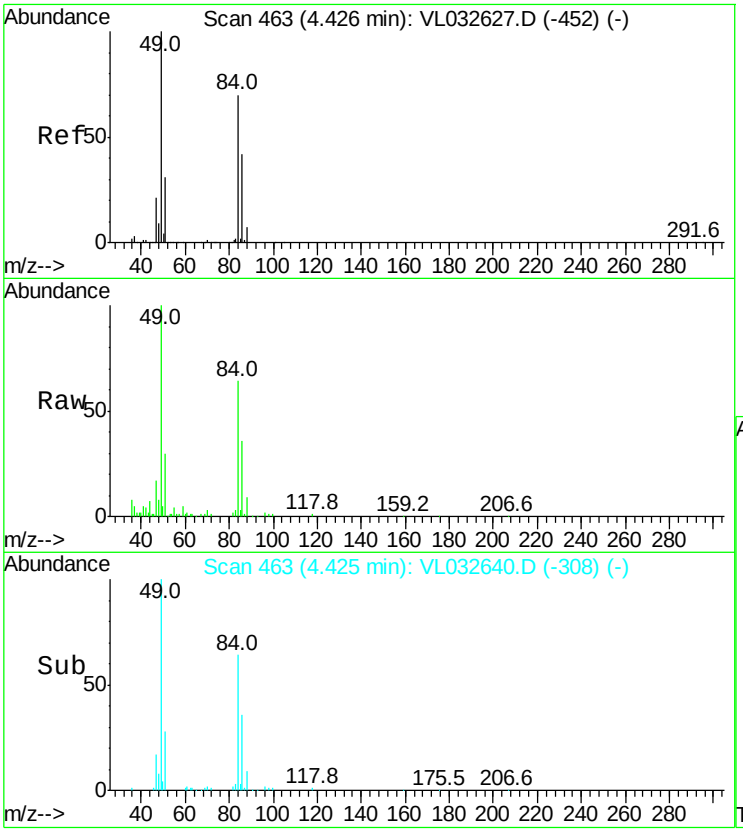


#19
Isopropyl Alcohol
Concen: 1.241 ppbv
RT: 4.05 min Scan# 347
Delta R.T. 0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 45 Resp: 103618

Ion	Ratio	Lower	Upper
45	100		
58	262.4	2.0	3.0#



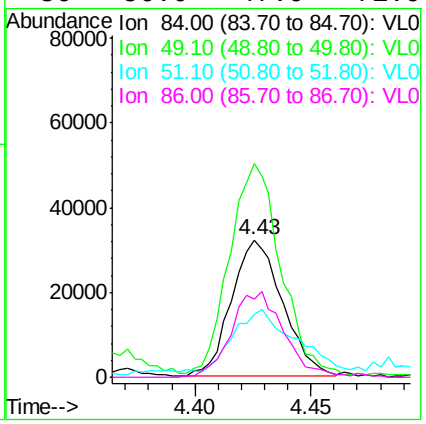


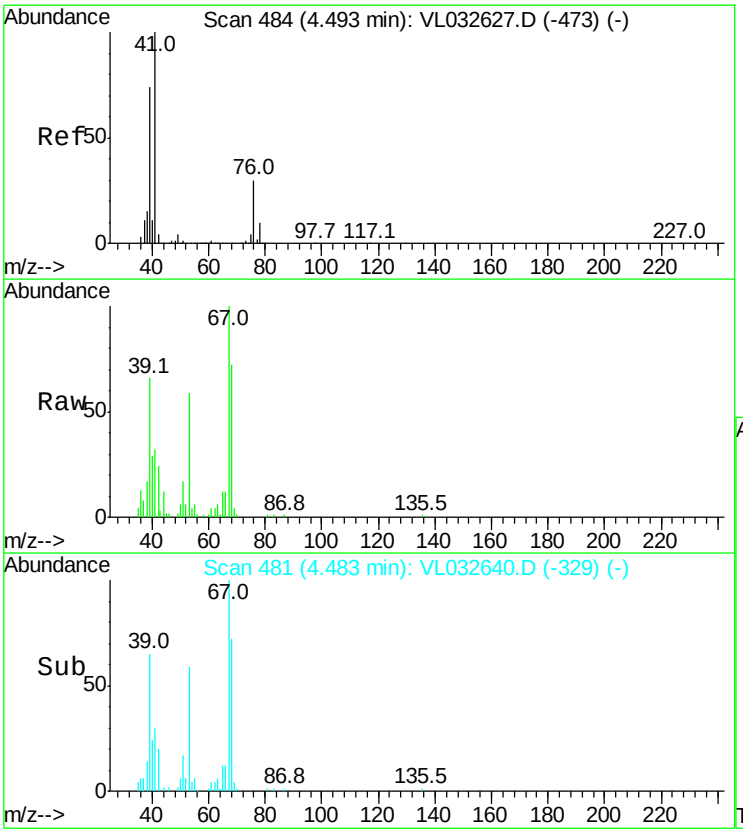
#20
Methylene Chloride
Concen: 0.933 ppbv
RT: 4.43 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 84 Resp: 49439

Ion	Ratio	Lower	Upper
84	100		
49	154.3	113.5	170.3
51	41.1	34.8	52.2
86	56.0	47.9	71.9

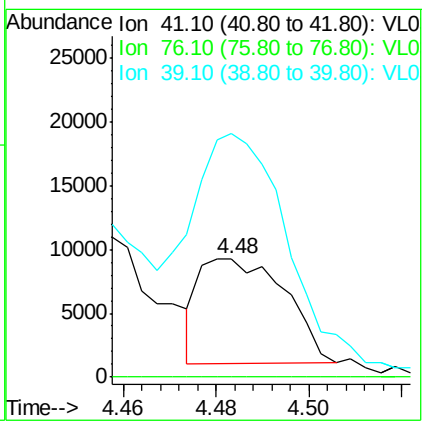


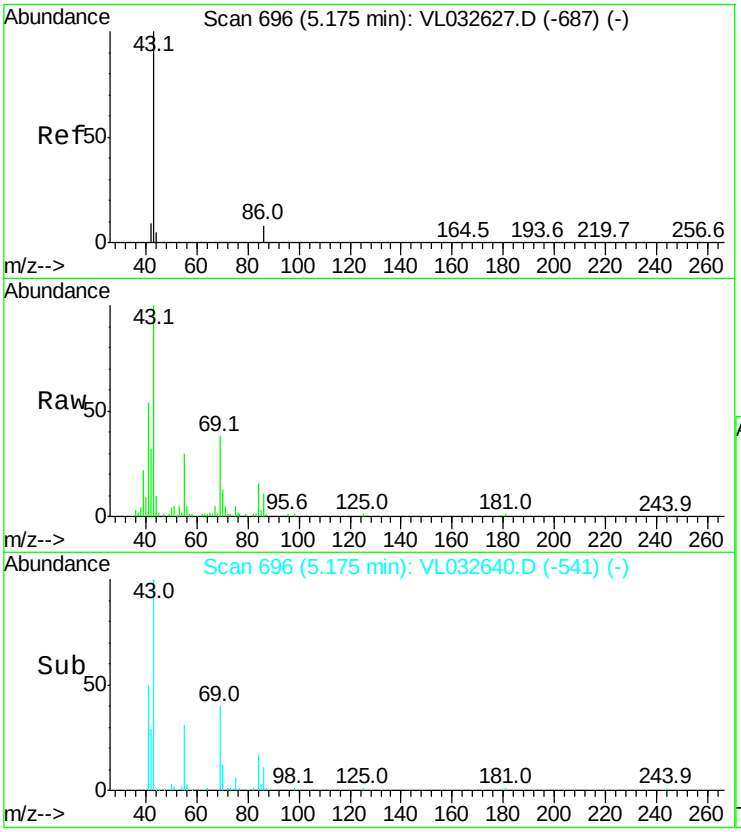


#21
Allyl Chloride
Concen: 0.118 ppbv
RT: 4.48 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 41 Resp: 10486

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.3	36.5#
39	260.6	60.3	90.5#



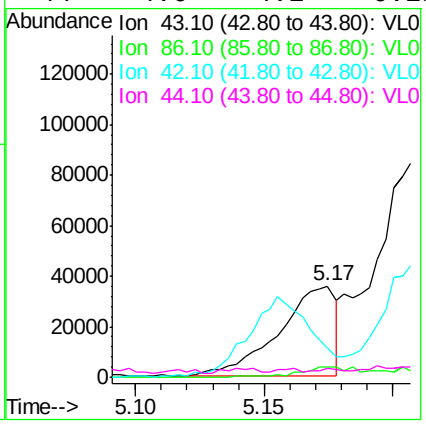


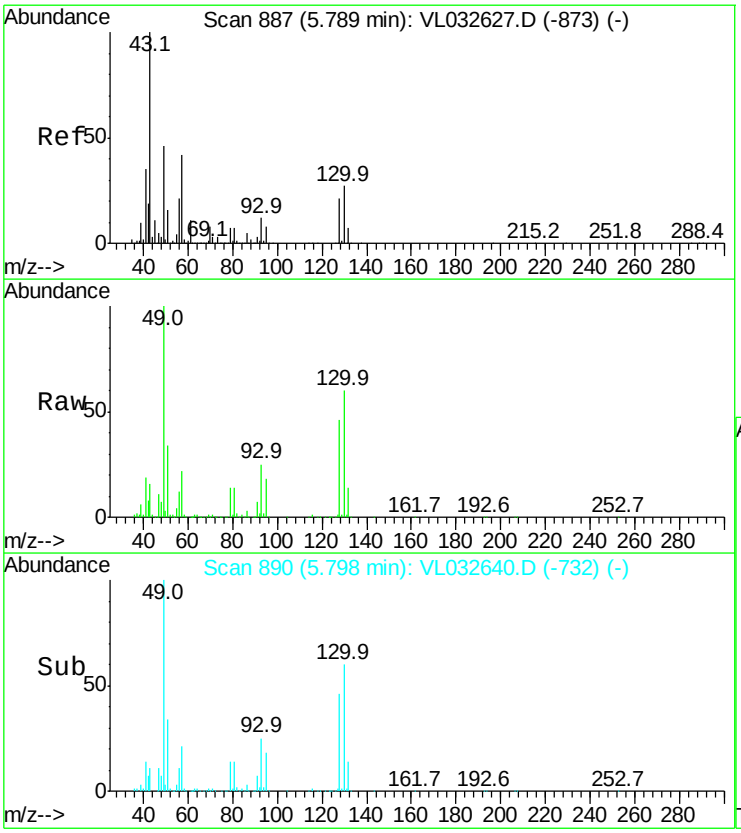
#23
Vinyl Acetate
Concen: 0.293 ppbv
RT: 5.17 min Scan# 696
Delta R.T. -0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 43 Resp: 55110

Ion	Ratio	Lower	Upper
43	100		
86	10.8	6.1	9.1#
42	30.1	7.4	11.2#
44	4.0	4.2	6.2#

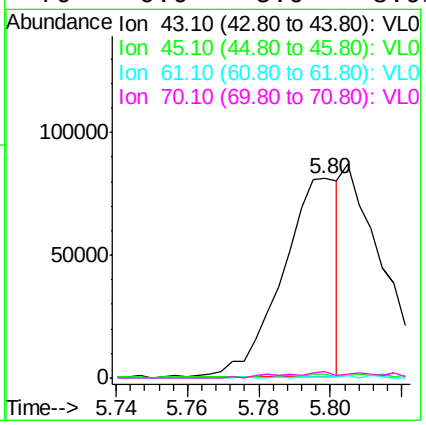


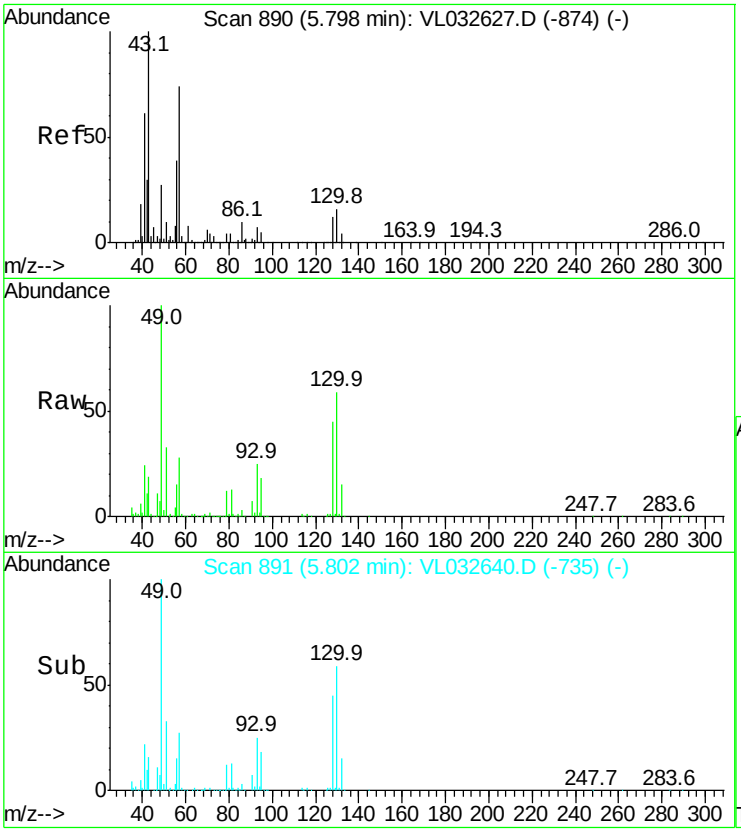


#25
Ethyl Acetate
Concen: 0.313 ppbv
RT: 5.80 min Scan# 890
Delta R.T. 0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 43 Resp: 87730

Ion	Ratio	Lower	Upper
43	100		
45	4.6	8.0	12.0#
61	0.0	8.0	12.0#
70	0.0	5.9	8.9#



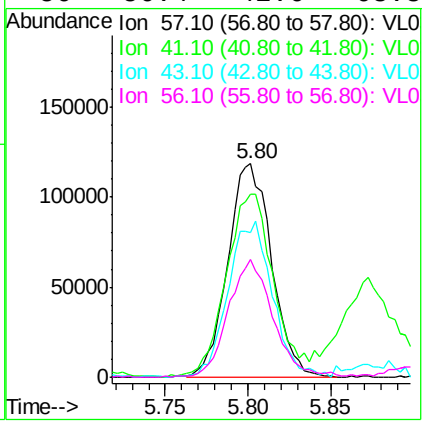


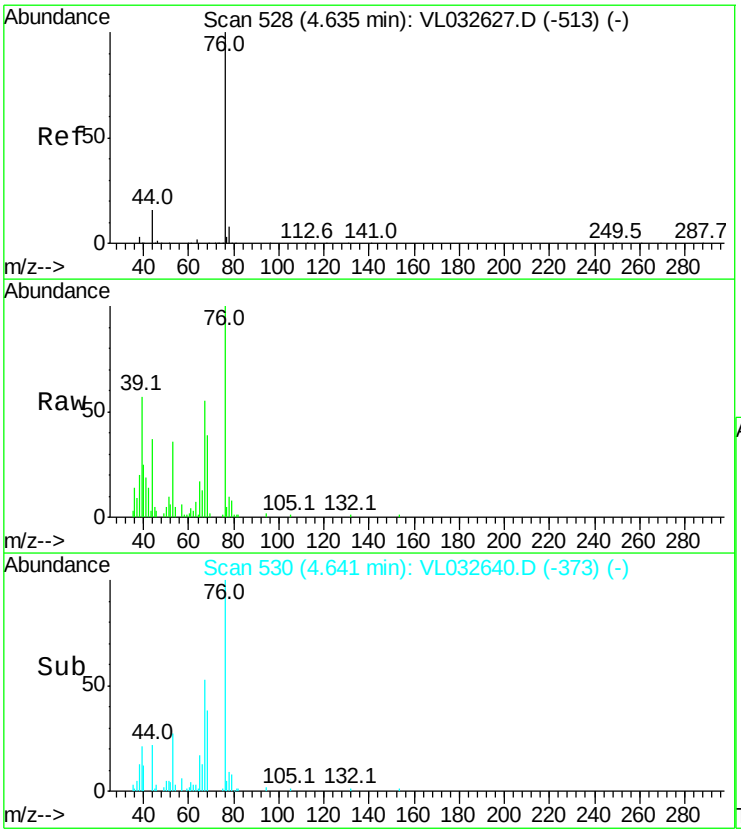
#26
Hexane
Concen: 1.716 ppbv
RT: 5.80 min Scan# 891
Delta R.T. 0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 57 Resp: 216343

Ion	Ratio	Lower	Upper
57	100		
41	95.5	67.4	101.0
43	72.8	171.9	257.9#
56	56.4	42.6	63.8

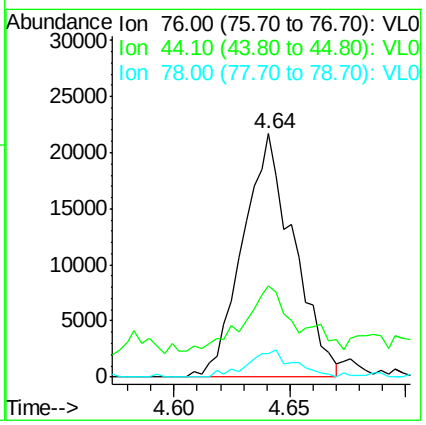


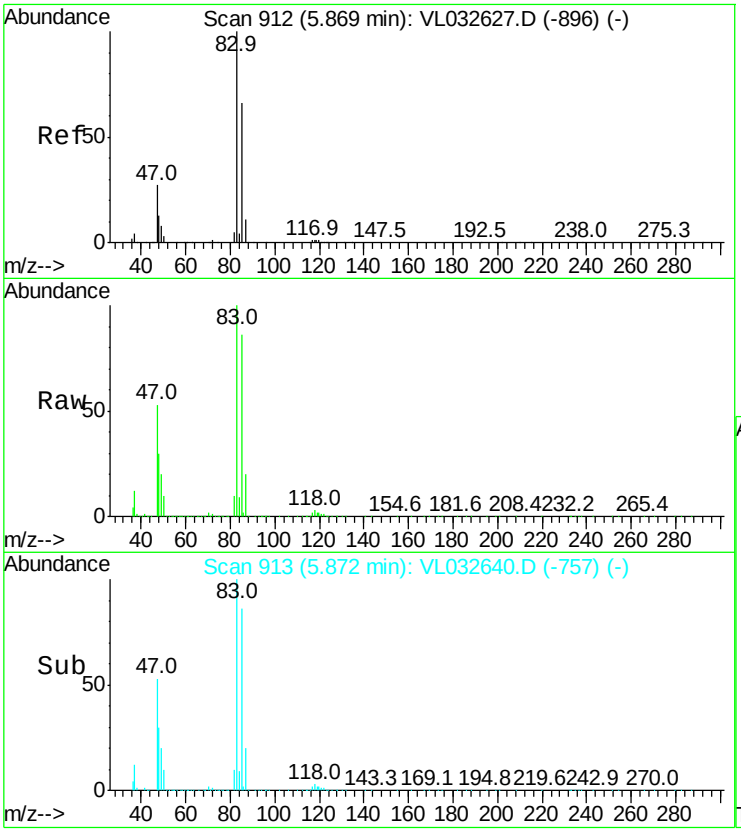


#27
Carbon Disulfide
Concen: 0.218 ppbv
RT: 4.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 76 Resp: 33135

Ion	Ratio	Lower	Upper
76	100		
44	36.5	13.7	20.5#
78	10.4	7.4	11.2



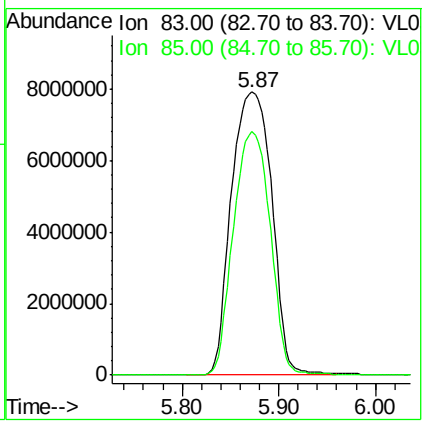


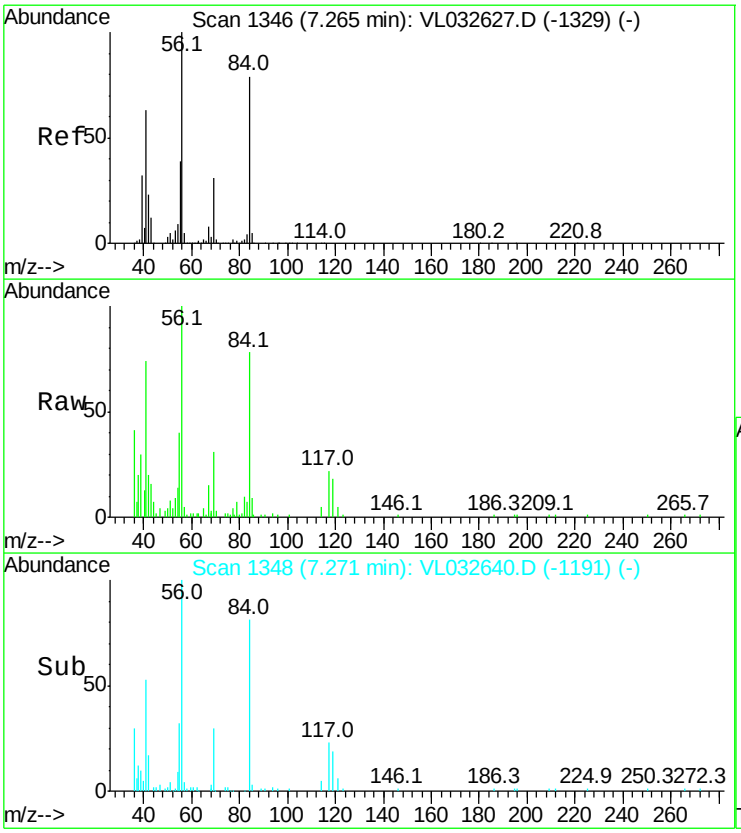
#29
Chloroform
Concen: 104.361 ppbv
RT: 5.87 min Scan# 913
Delta R.T. 0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 83 Resp:23055547

Ion	Ratio	Lower	Upper
83	100		
85	85.9	53.0	79.6#

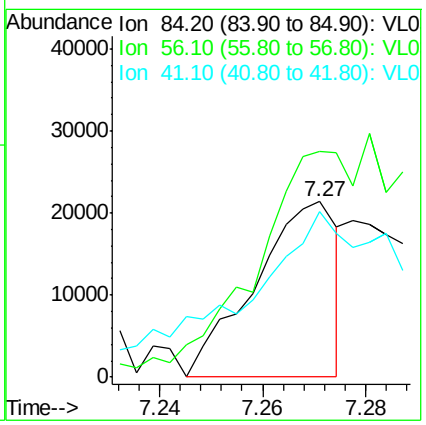


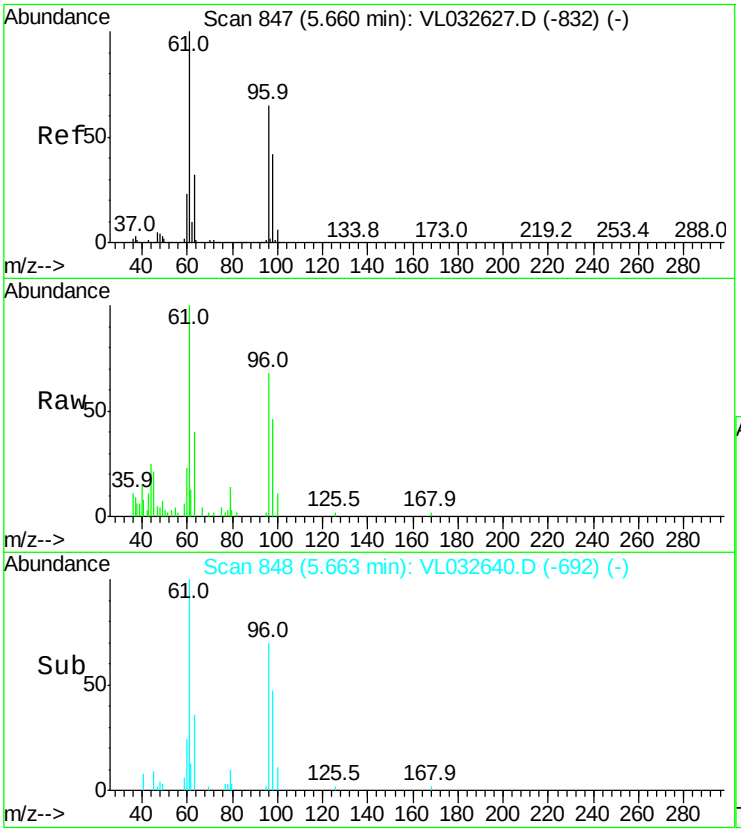


#30
Cyclohexane
Concen: 0.238 ppbv
RT: 7.27 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 84 Resp: 23626

Ion	Ratio	Lower	Upper
84	100		
56	248.7	108.3	162.5#
41	289.1	64.8	97.2#



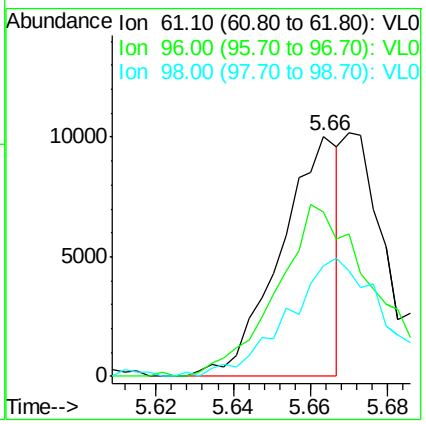


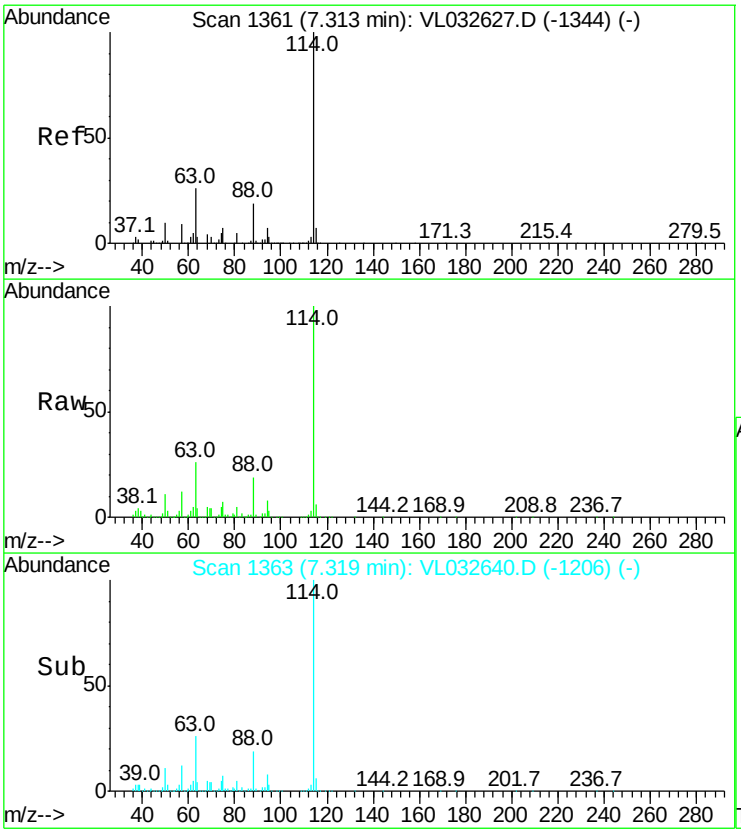
#31
cis-1,2-Dichloroethene
Concen: 0.087 ppbv
RT: 5.66 min Scan# 848
Delta R.T. 0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 61 Resp: 10481

Ion	Ratio	Lower	Upper
61	100		
96	60.8	51.8	77.6
98	39.1	33.8	50.6

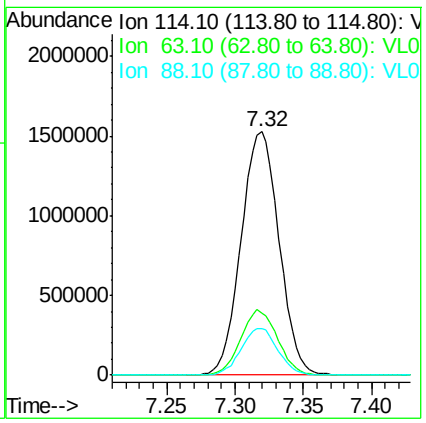


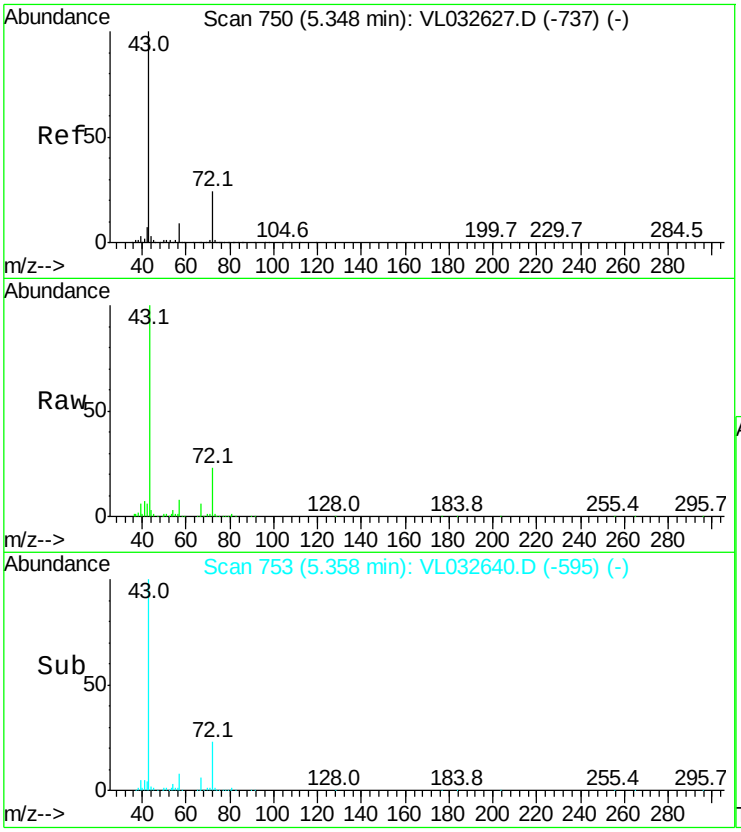


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion:114 Resp: 2945315

Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.7	32.5
88	18.7	14.9	22.3



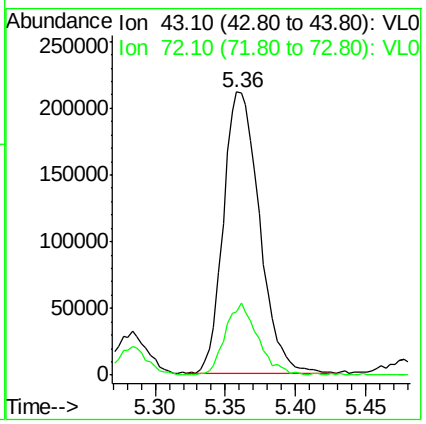


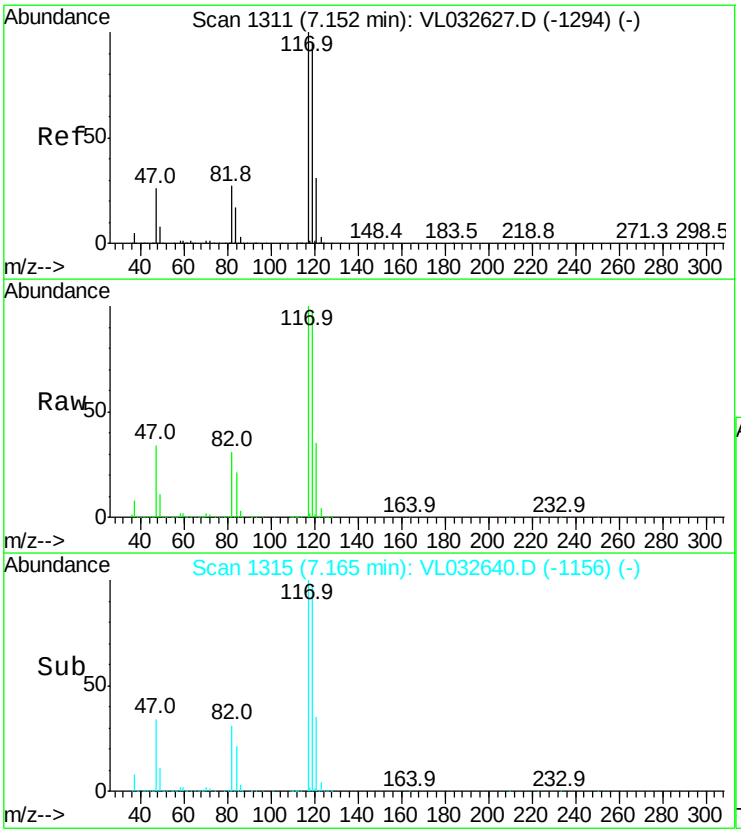
#34
2-Butanone
Concen: 2.310 ppbv
RT: 5.36 min Scan# 753
Delta R.T. 0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 43 Resp: 377680

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.6	27.8

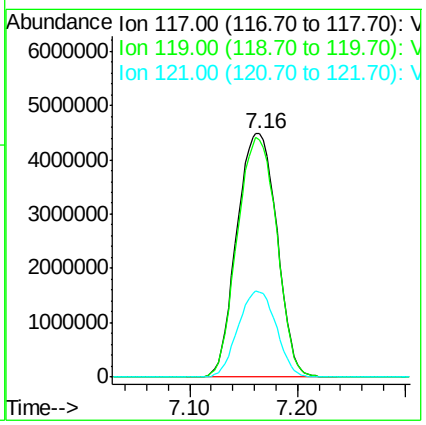


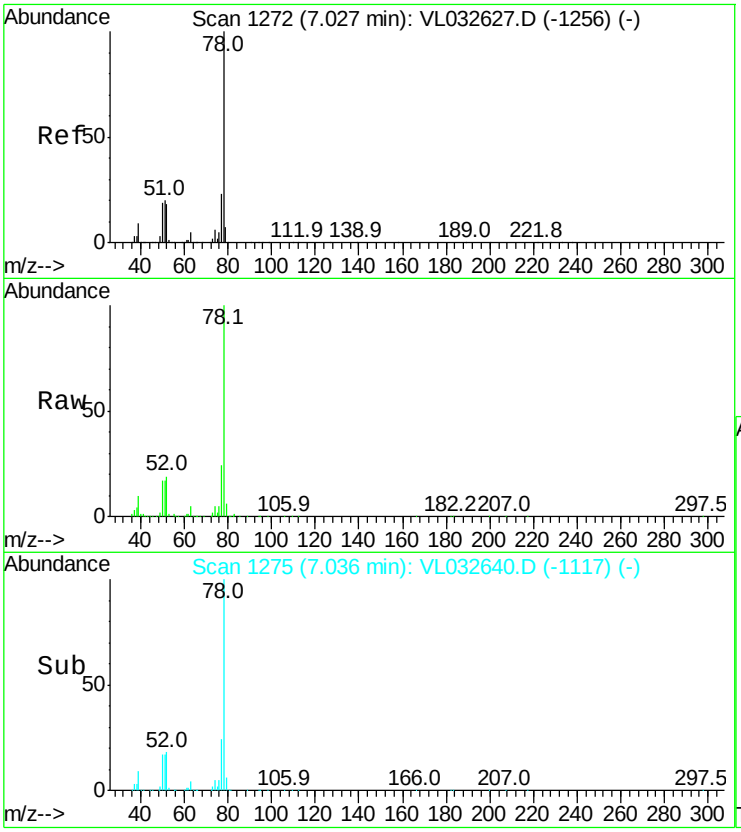


#35
Carbon Tetrachloride
Concen: 50.494 ppbv
RT: 7.16 min Scan# 1315
Delta R.T. 0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion:117 Resp:11525815

Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.7	113.5
121	35.1	24.7	37.1



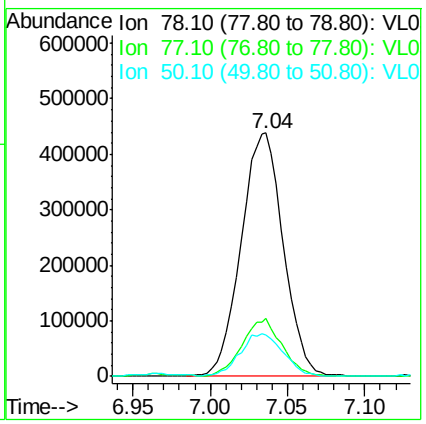


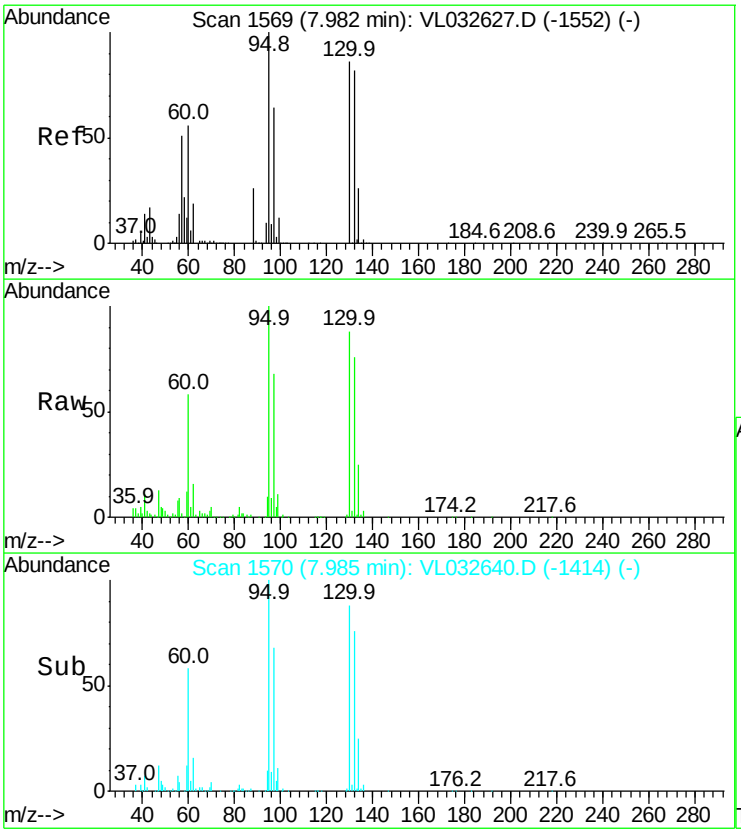
#36
Benzene
Concen: 3.467 ppbv
RT: 7.04 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 78 Resp: 827709

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.1	27.1
50	17.2	15.1	22.7

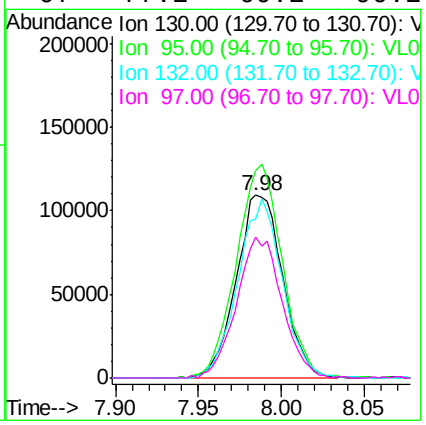


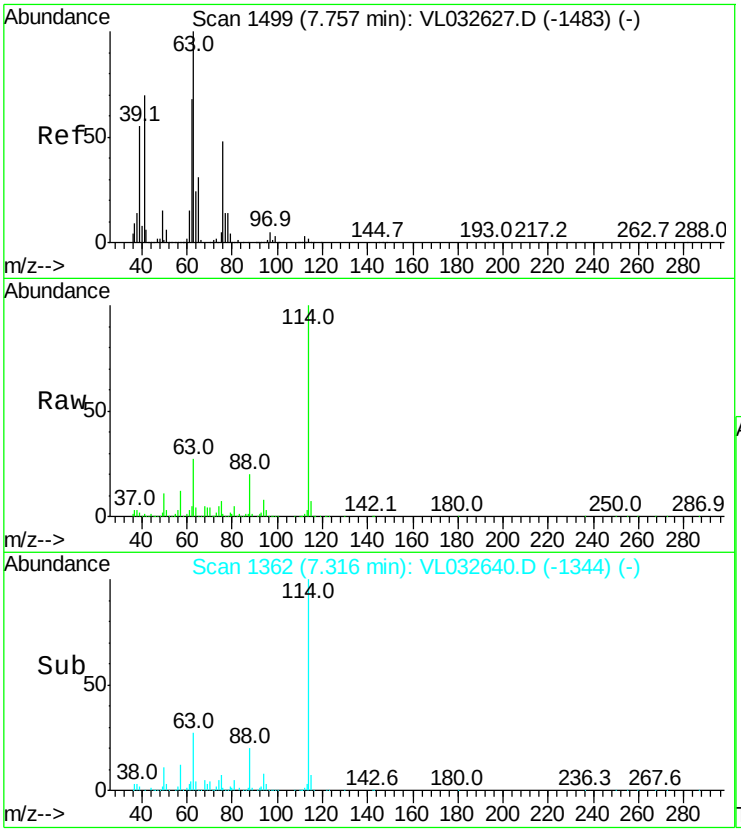


#38
Trichloroethene
Concen: 2.371 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion:130 Resp: 212864

Ion	Ratio	Lower	Upper
130	100		
95	113.5	93.4	140.0
132	86.8	76.5	114.7
97	77.2	60.2	90.2



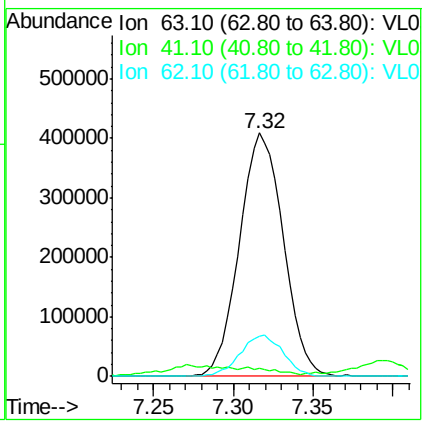


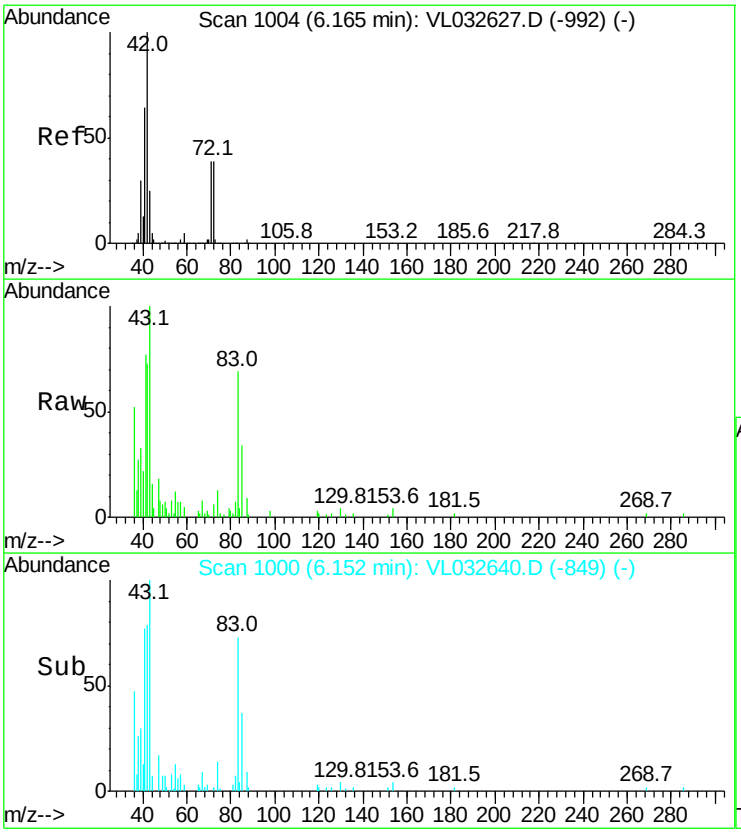
#39
1,2-Dichloropropane
Concen: 7.861 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.44 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 63 Resp: 763426

Ion	Ratio	Lower	Upper
63	100		
41	1.5	56.2	84.4#
62	16.5	54.4	81.6#

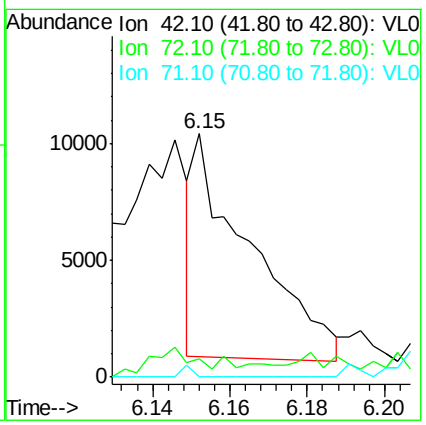


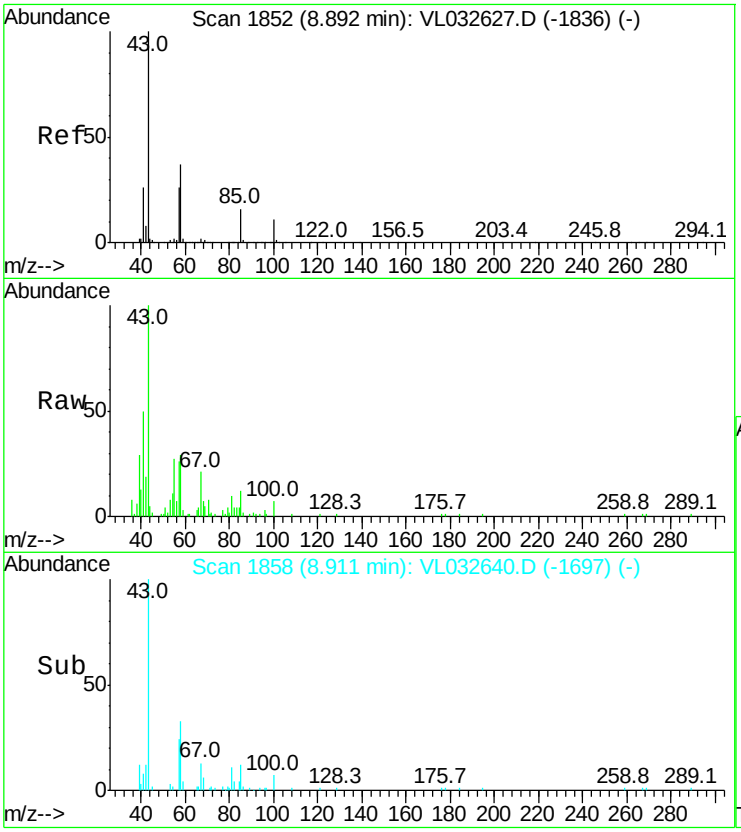


#41
Tetrahydrofuran
Concen: 0.110 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 42 Resp: 9544

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.4	48.6#
71	0.0	31.3	46.9#



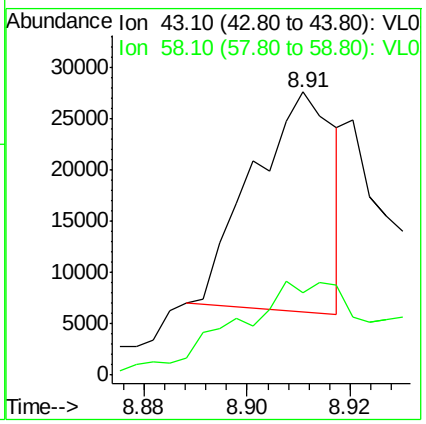


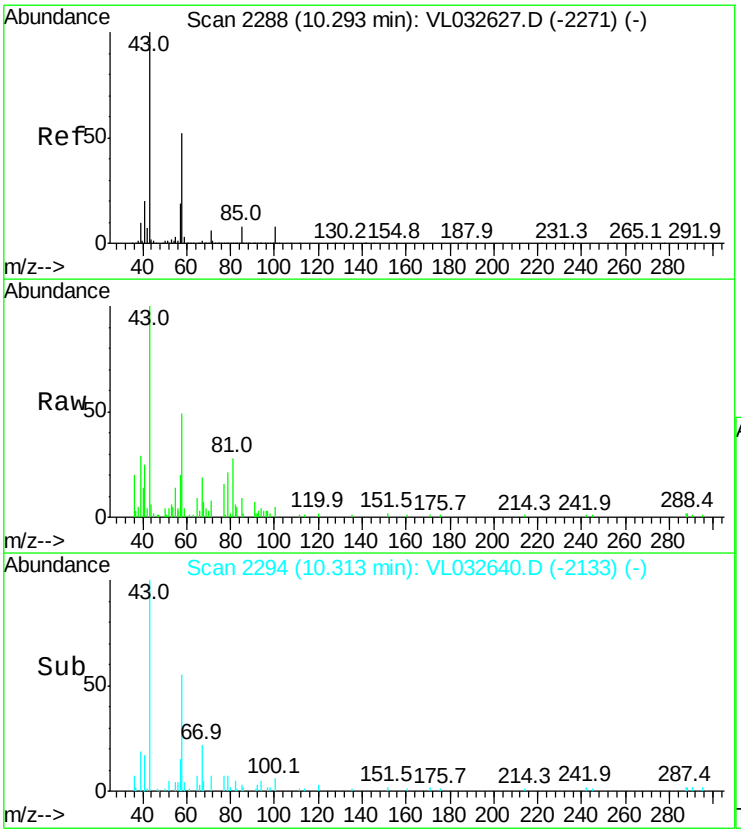
#50
4-Methyl-2-Pentanone
Concen: 0.097 ppbv
RT: 8.91 min Scan# 1858
Delta R.T. 0.02 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument : MSVOA_L
ClientSampleId : SS04-MIVIDL

Tgt Ion: 43 Resp: 23400

Ion	Ratio	Lower	Upper
43	100		
58	85.3	29.7	44.5#

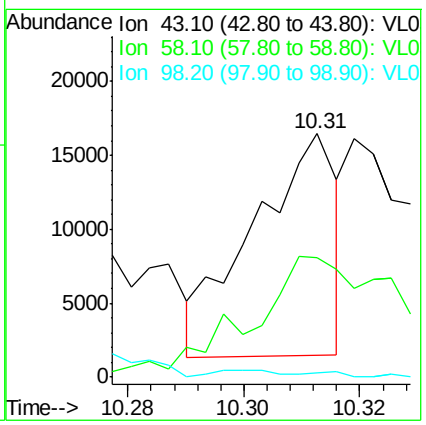


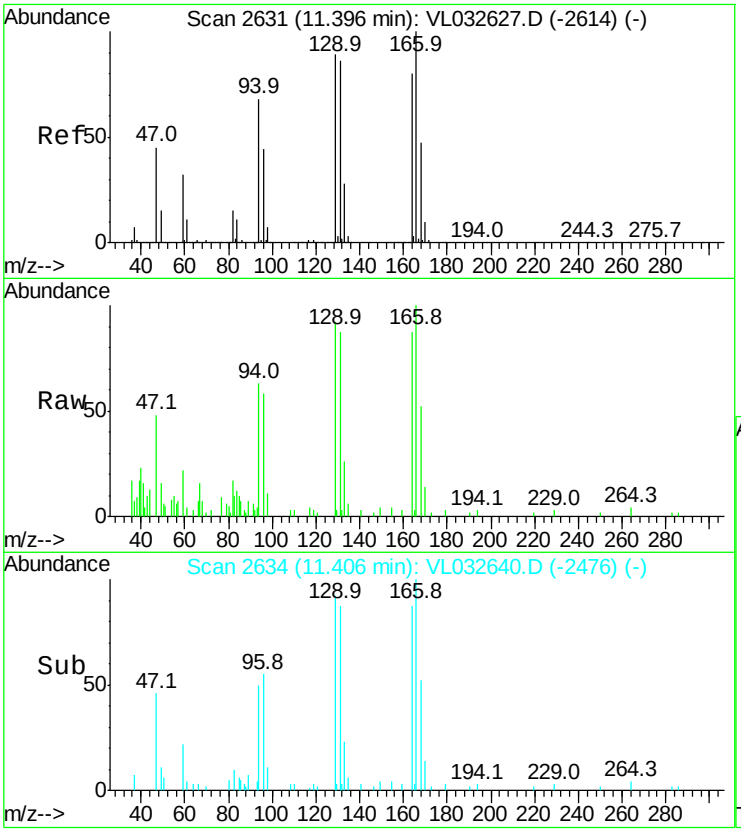


#51
2-Hexanone
Concen: 0.080 ppbv
RT: 10.31 min Scan# 2294
Delta R.T. 0.02 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 43 Resp: 15053

Ion	Ratio	Lower	Upper
43	100		
58	117.4	40.4	60.6#
98	0.0	0.4	0.6#



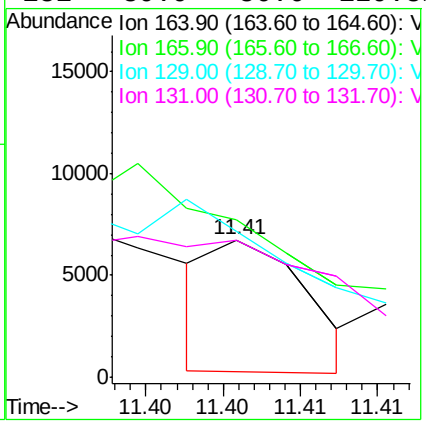


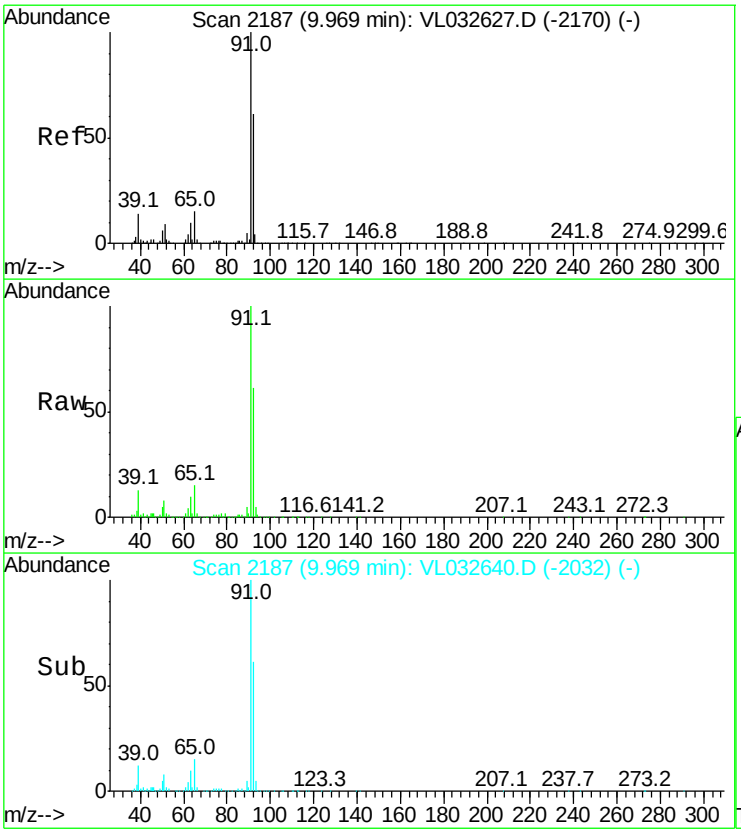
#52
Tetrachloroethene
Concen: 0.034 ppbv
RT: 11.41 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion:164 Resp: 2685

Ion	Ratio	Lower	Upper
164	100		
166	74.1	100.5	150.7#
129	68.8	90.0	135.0#
131	39.9	86.6	129.8#

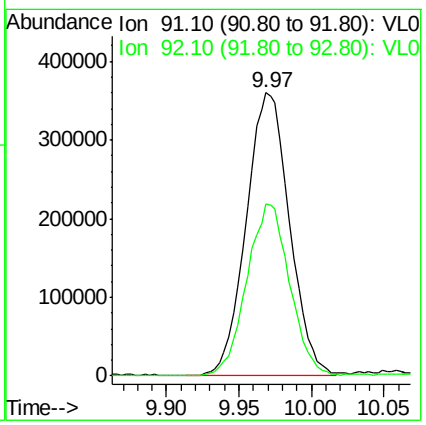


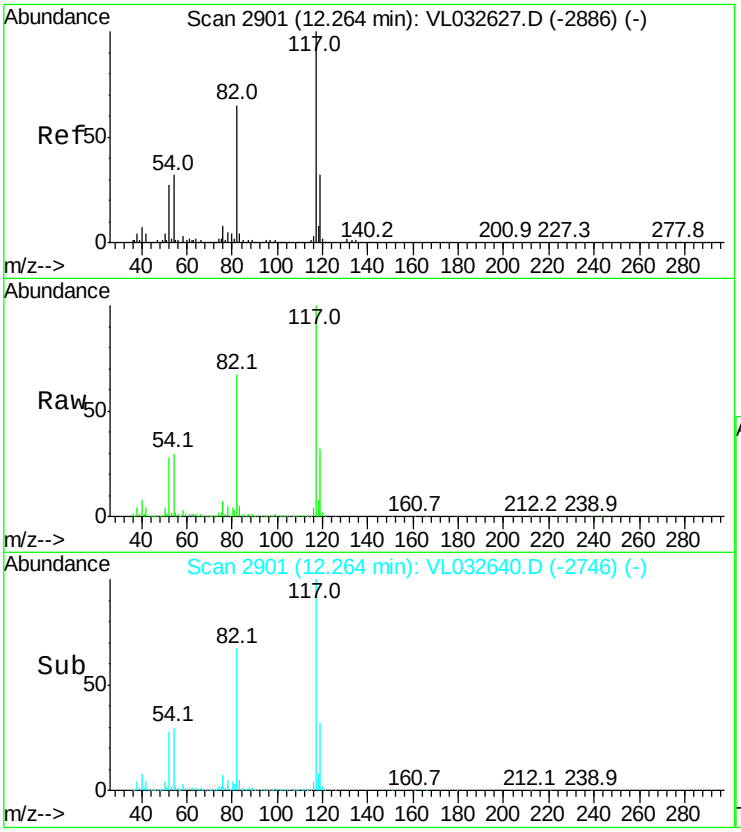


#53
Toluene
Concen: 2.748 ppbv
RT: 9.97 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 91 Resp: 747950

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.4	72.6



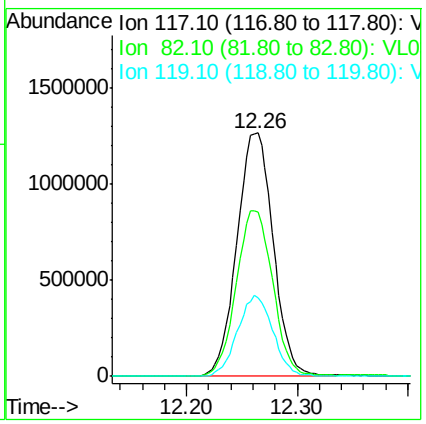


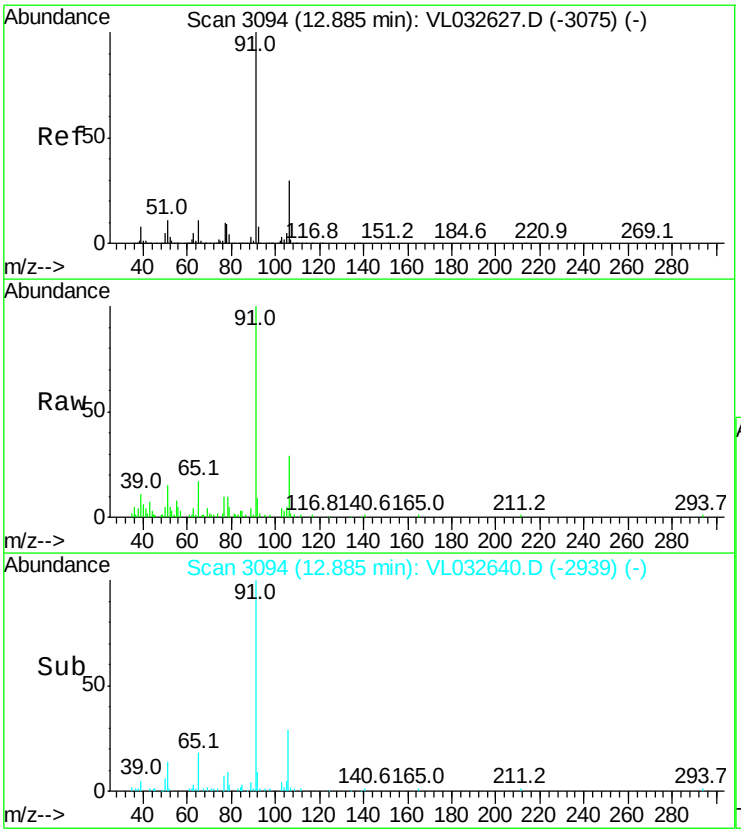
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion:117 Resp: 2897397

Ion	Ratio	Lower	Upper
117	100		
82	68.4	52.7	79.1
119	32.3	26.7	40.1

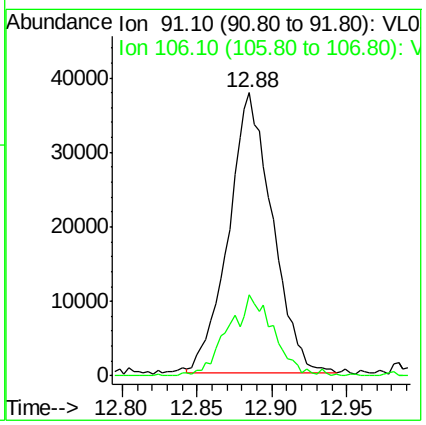


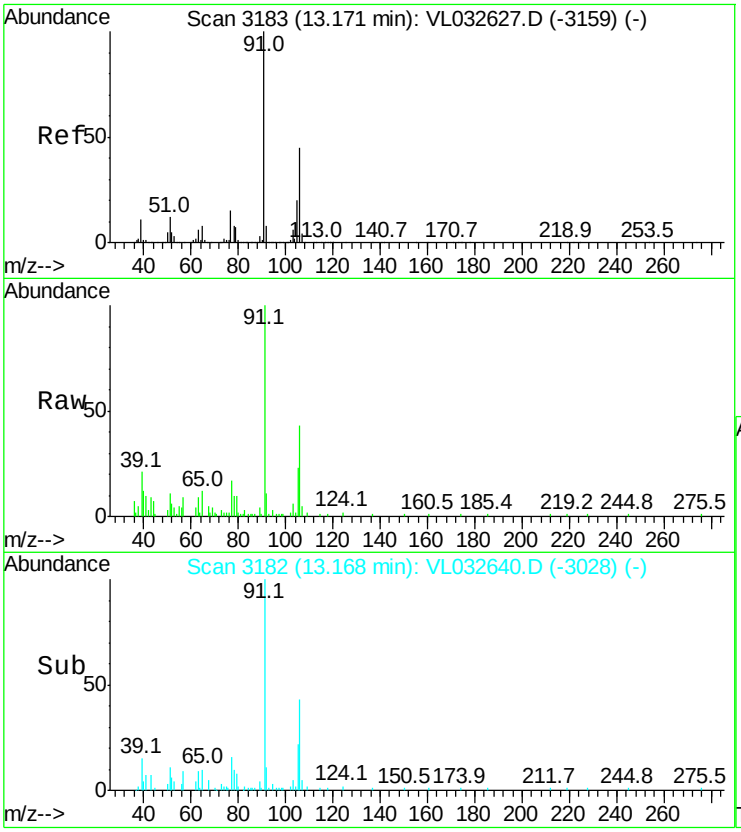


#58
Ethyl Benzene
Concen: 0.236 ppbv
RT: 12.88 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 91 Resp: 76651

Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.2	36.2



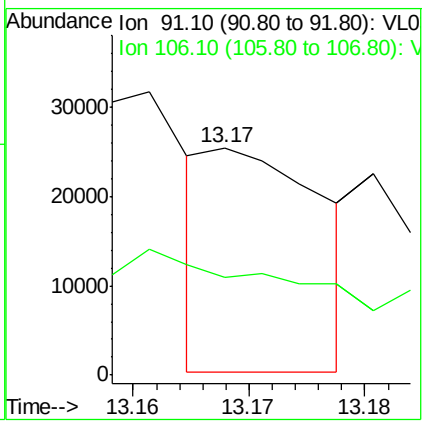


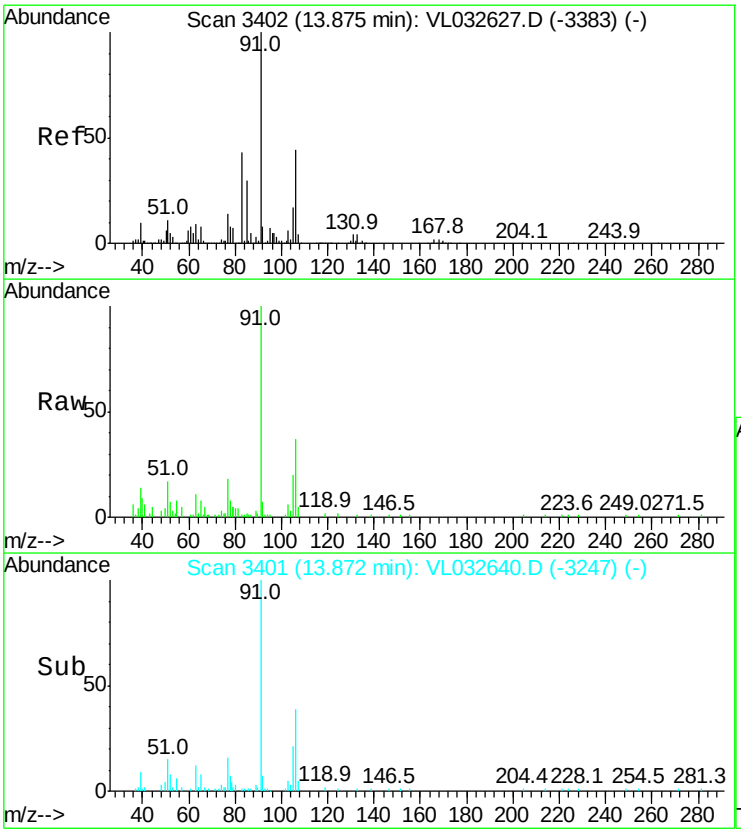
#59
m/p-Xylene
Concen: 0.059 ppbv
RT: 13.17 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion: 91 Resp: 17143

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9#

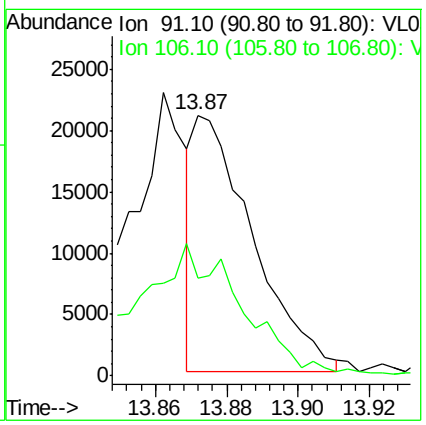


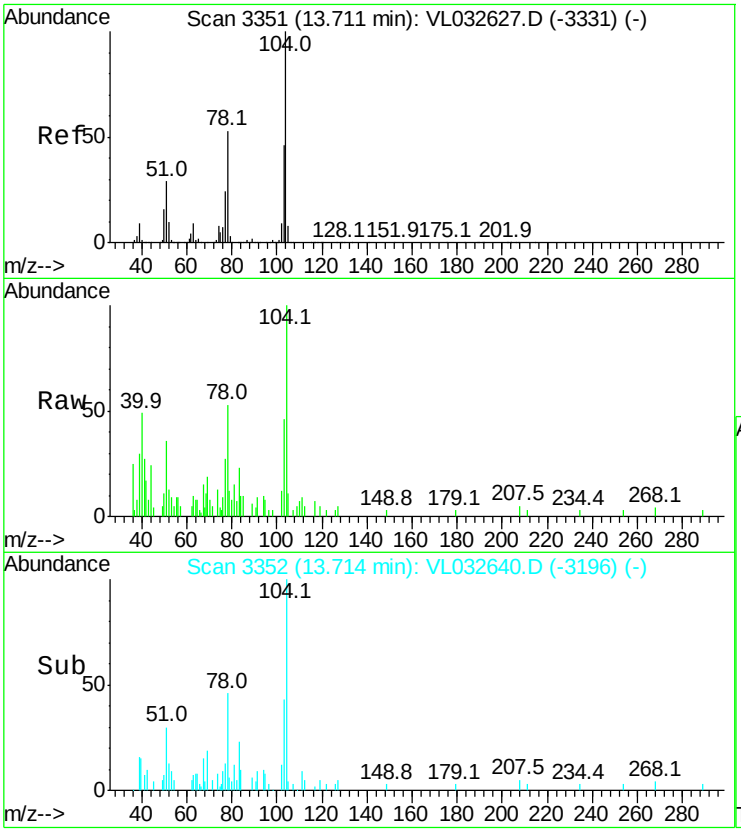


#60
o-Xylene
Concen: 0.083 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 91 Resp: 23888

Ion	Ratio	Lower	Upper
91	100		
106	92.1	22.1	66.1#



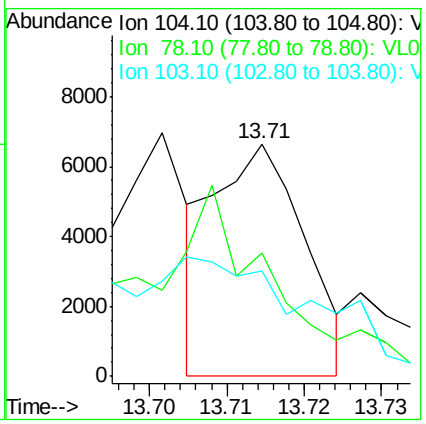


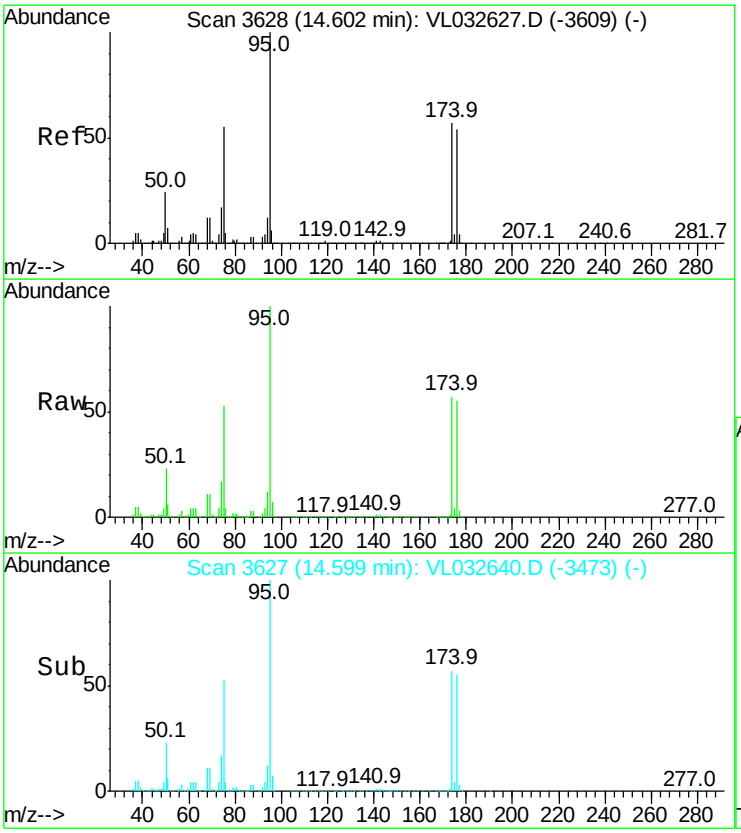
#61
Styrene
Concen: 0.031 ppbv
RT: 13.71 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion:104 Resp: 5410

Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.8	64.2#
103	0.0	37.4	56.0#

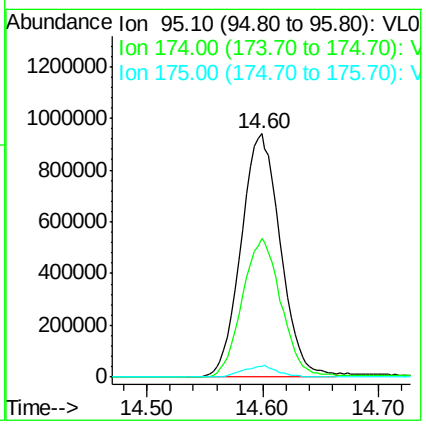


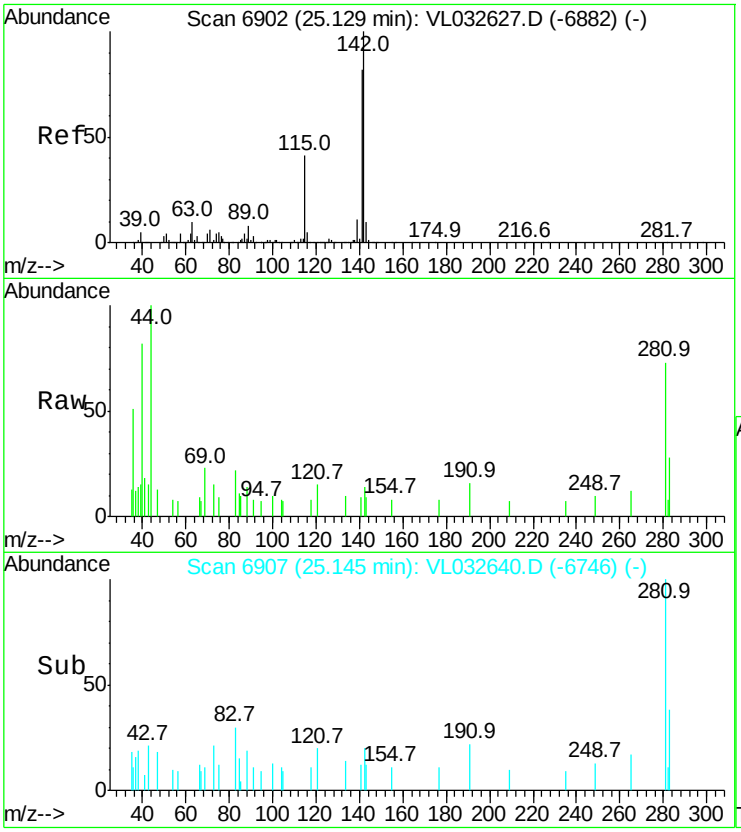


#68
1-Bromo-4-Fluorobenzene
Concen: 10.179 ppbv
RT: 14.60 min Scan# 3627
Delta R.T. -0.00 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Tgt Ion: 95 Resp: 2220573

Ion	Ratio	Lower	Upper
95	100		
174	57.8	46.0	69.0
175	4.4	3.4	5.0





#80
Naphthalene,2-methyl-
Concen: 0.743 ppbv
RT: 25.14 min Scan# 6907
Delta R.T. 0.02 min
Lab File: VL032640.D
Acq: 17 Oct 2018 14:28

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL

Tgt Ion:142 Resp: 247

Ion	Ratio	Lower	Upper
142	100		
141	238.5	67.5	101.3#
115	44.9	33.5	50.3