Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051419\

Quantitation Report (Not Reviewed)

Data File : VL033692.D
Acq On : 14 May 2019 15:38
Operator : SY/AP
Sample : K2730-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS01DL

Quant Time: May 15 02:35:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	987096	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2502561	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2746701	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2186685	9.71	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	4047	0.017	ppbv		89
3) Chlorodifluoromethane	3.02	51	7453	0.052	ppbv		99
4) Chloromethane	3.17	50	2567	0.035	ppbv	#	70
9) Propene	3.24	41	203903	3.752	ppbv		92
10) Heptane	8.25	43	27647	0.206	ppbv		98
11) Trichlorofluoromethane	4.00	101	3018	0.014	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1892	0.013	ppbv	#	13
13) Ethanol	3.66	45	142317	8.725	ppbv		100
15) Acetone	3.89	43	4118746	28.047	ppbv		97
16) 1,3-Butadiene	3.34	39	24185	0.384	ppbv	#	45
17) tert-Butyl alcohol	4.37	59	6536	0.059	ppbv	#	72
19) Isopropyl Alcohol	4.04	45	82541	0.915	ppbv	#	93
20) Methylene Chloride	4.41	84	30681	0.550	ppbv		91
23) Vinyl Acetate	5.14	43	17211	0.090	ppbv	#	1
25) Ethyl Acetate	5.78	43	46355	0.194	ppbv	#	79
26) Hexane	5.78	57	64402	0.627	ppbv	#	40
27) Carbon Disulfide	4.62	76	60898	0.434	ppbv		94
30) Cyclohexane	7.24	84	38547	0.447	ppbv	#	25
34) 2-Butanone	5.33	43	164986	1.030	ppbv		97
36) Benzene	7.00	78	58164	0.259	ppbv	#	90
39) 1,2-Dichloropropane	7.29	63	586033	7.007	ppbv	#	22
41) Tetrahydrofuran	6.15	42	1772	0.021	ppbv	#	36
52) Tetrachloroethene	11.37	164	826	0.010	ppbv	#	21
53) Toluene	9.94	91	59697	0.246	ppbv	#	60
58) Ethyl Benzene	12.86	91	19874	0.055	ppbv		89
59) m/p-Xylene	13.15	91	13692	0.043	ppbv	#	31
60) o-Xylene	13.84	91	67203	0.210	ppbv		97
64) n-propylbenzene	15.71	120	1524	0.014	ppbv	#	1
65) tert-Butylbenzene	16.91	119	10451	0.026	ppbv	#	1
69) p-Isopropyltoluene	17.80	119	6520	0.014	ppbv	#	1
71) 2-Chlorotoluene	15.72	91	10504	0.033	ppbv		68
72) 4-Ethyltoluene	16.00	105	17145	0.046	ppbv	#	50
73) 1,3,5-Trimethylbenzene	16.15	105	89231	0.246	ppbv		87
74) 1,2,4-Trimethylbenzene	16.92	105	229920	0.570	ppbv	#	78
79) Naphthalene	22.41	128	11224	0.030	ppbv	#	84
80) Naphthalene,2-methyl-	25.11	142	4500	0.032	ppbv	#	79

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

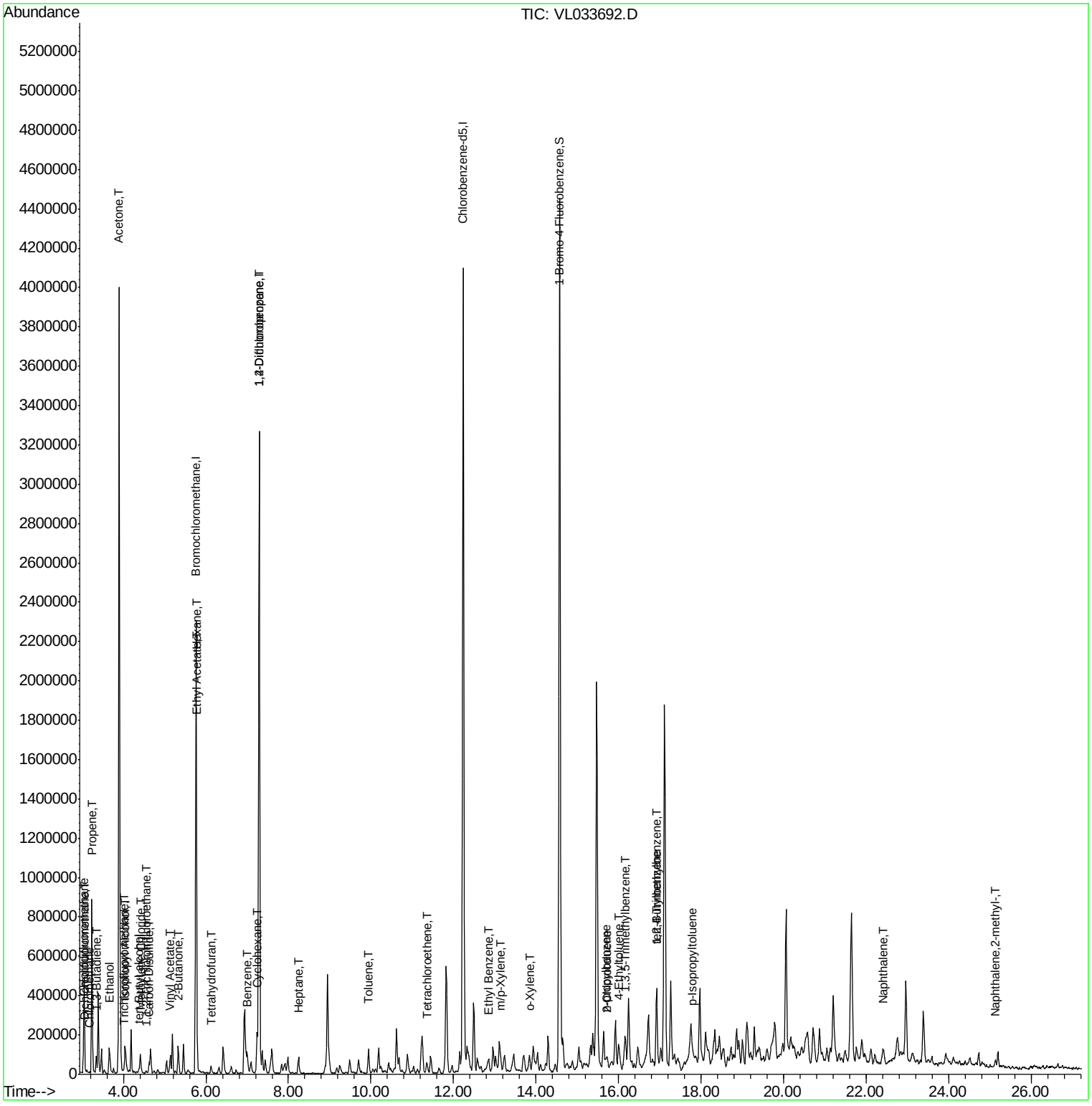
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051419\

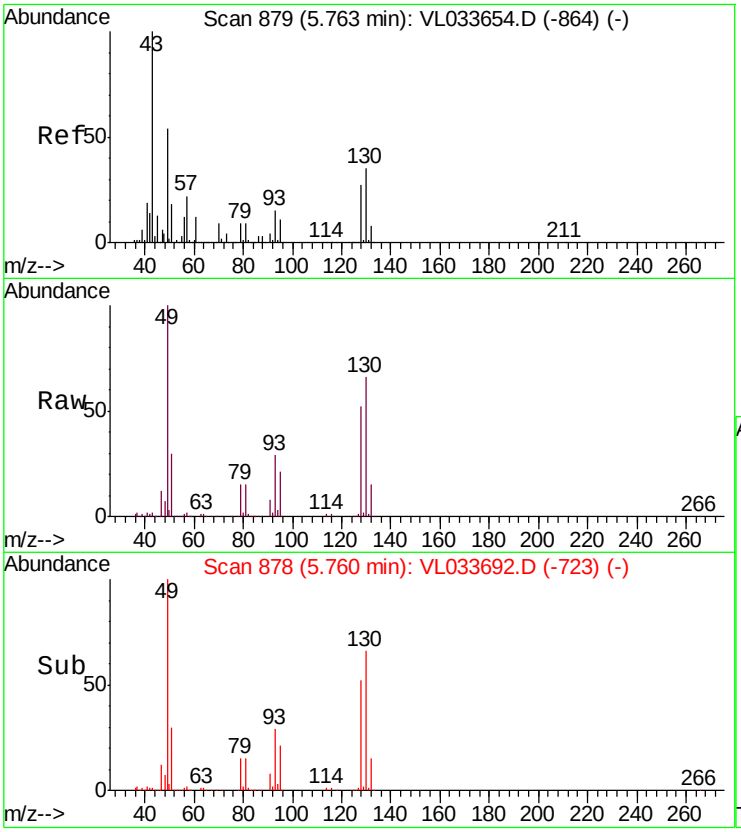
Quantitation Report (Not Reviewed)

Data File : VL033692.D
Acq On : 14 May 2019 15:38
Operator : SY/AP
Sample : K2730-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS01DL

Quant Time: May 15 02:35:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration



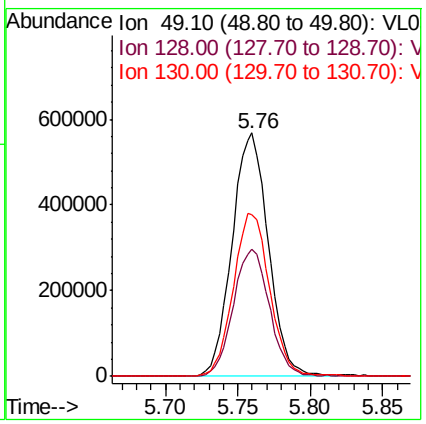


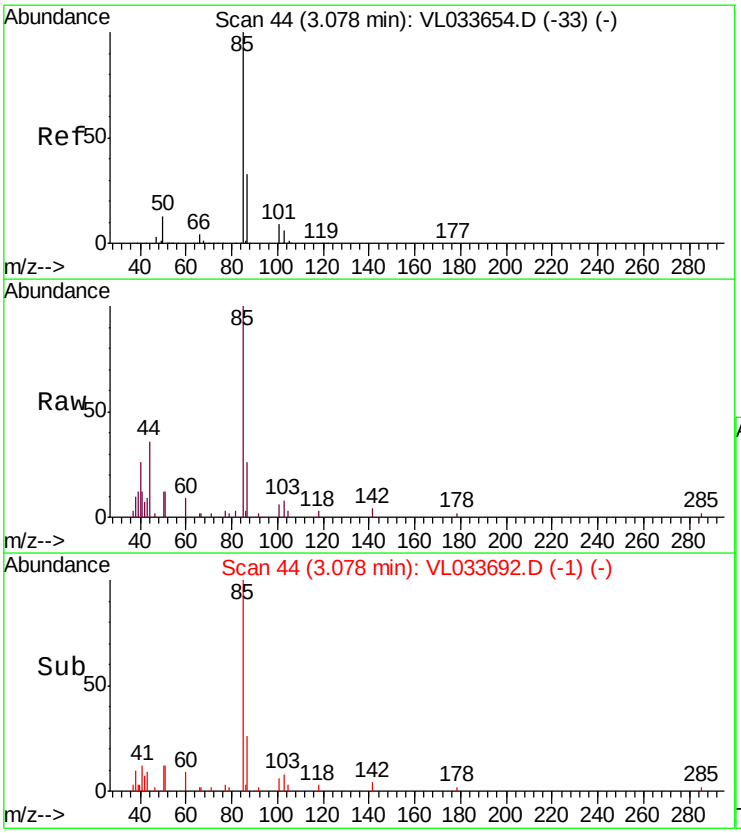
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion: 49 Resp: 987096

Ion	Ratio	Lower	Upper
49	100		
128	52.6	24.8	74.3
130	67.6	32.1	96.5

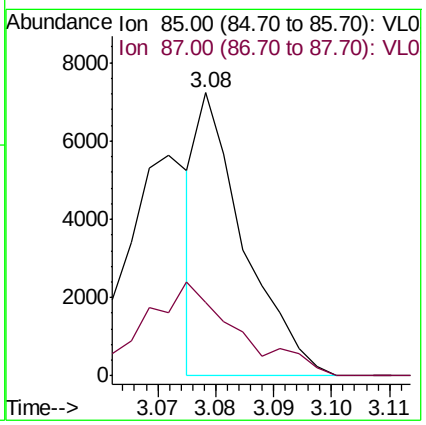


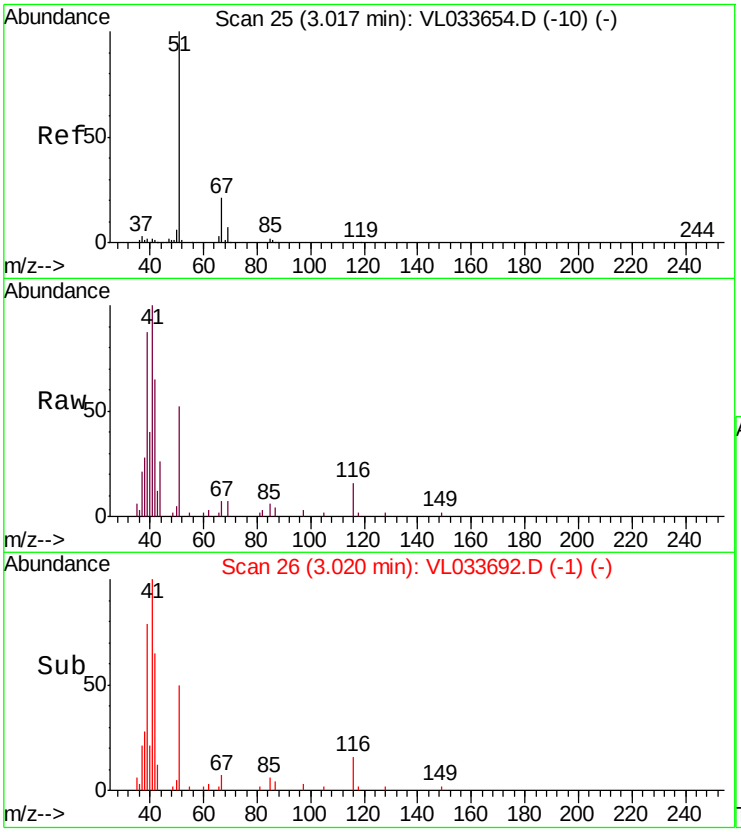


#2
Dichlorodifluoromethane
Concen: 0.017 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 85 Resp: 4047

Ion	Ratio	Lower	Upper
85	100		
87	26.1	26.0	39.0



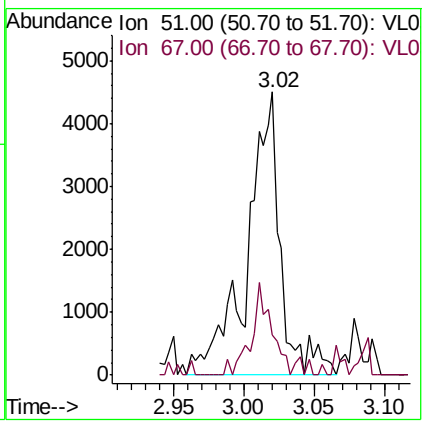


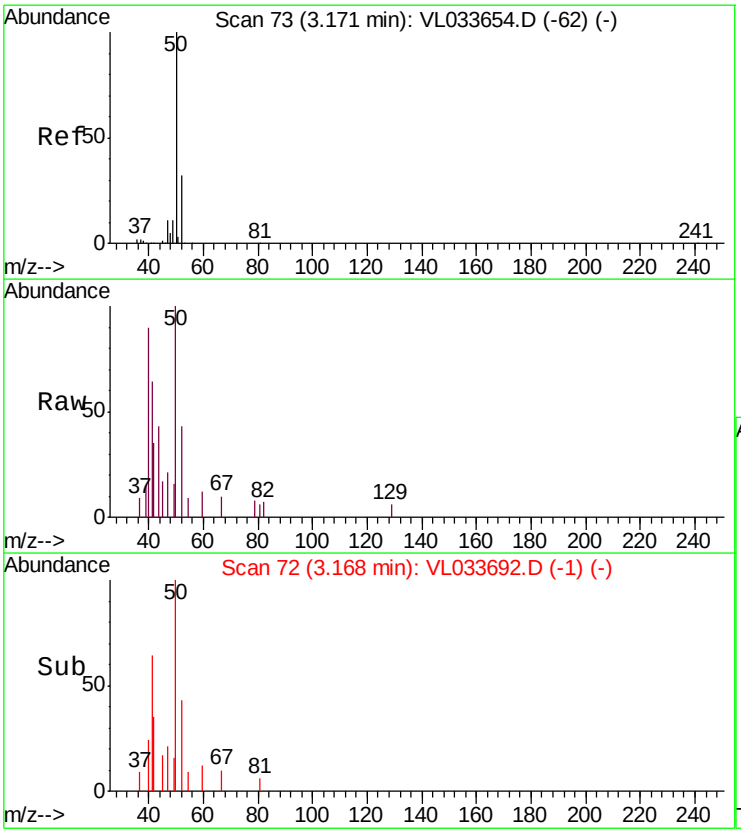
#3
Chlorodifluoromethane
Concen: 0.052 ppbv
RT: 3.02 min Scan# 26
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion: 51 Resp: 7453

Ion	Ratio	Lower	Upper
51	100		
67	20.2	15.7	23.5

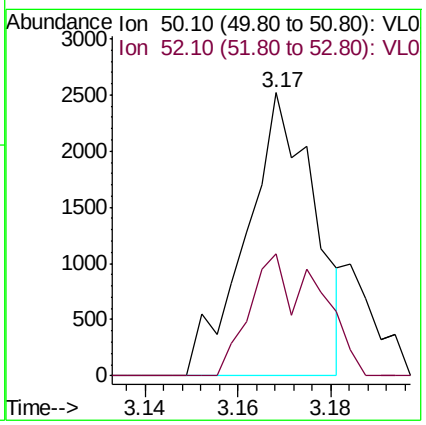


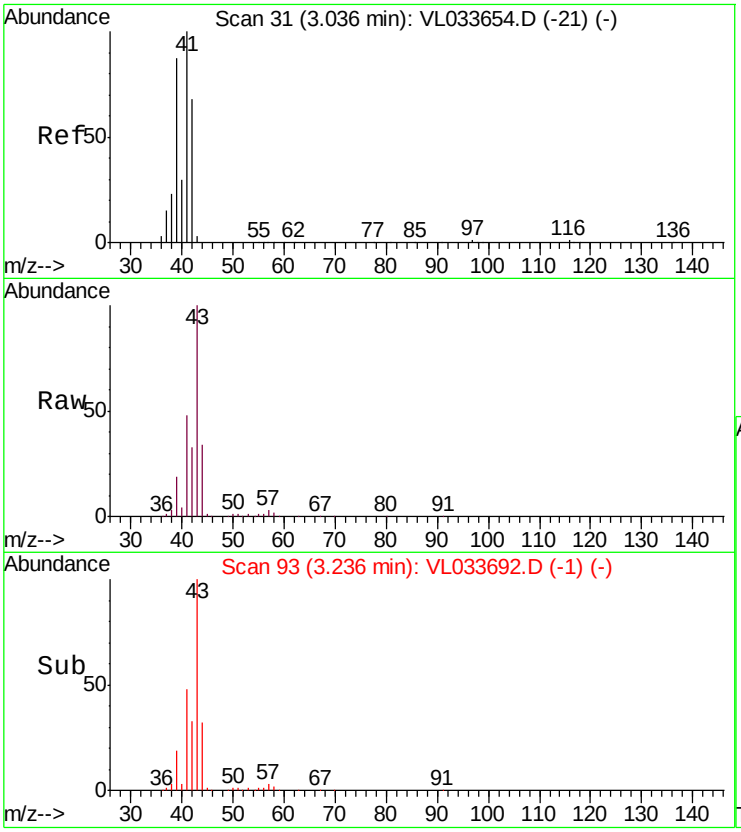


#4
Chloromethane
Concen: 0.035 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 50 Resp: 2567

Ion	Ratio	Lower	Upper
50	100		
52	49.3	25.8	38.8#



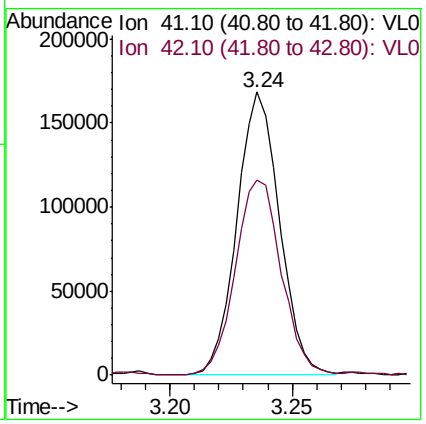


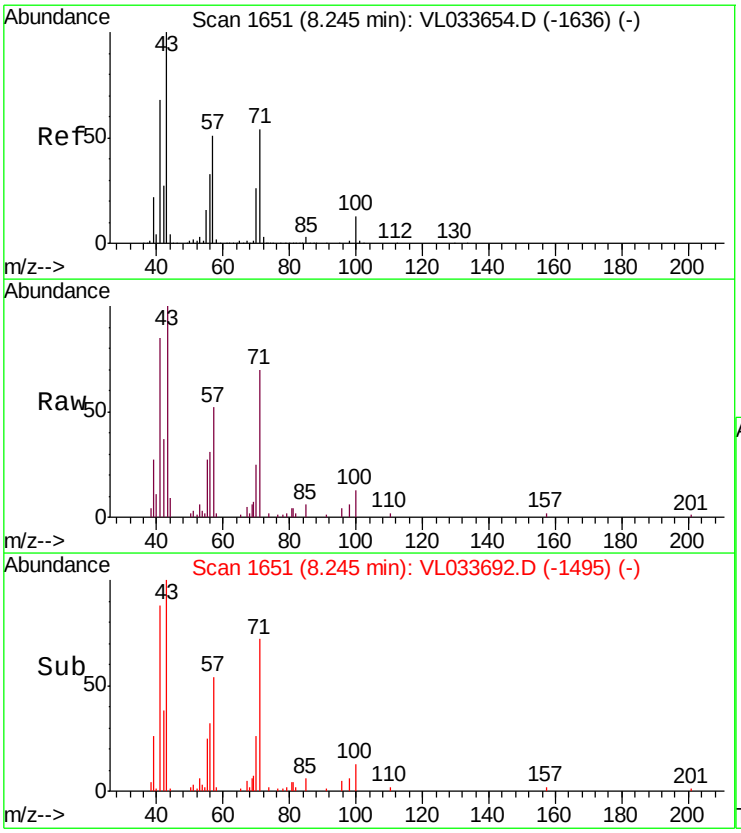
#9
Propene
Concen: 3.752 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion: 41 Resp: 203903

Ion	Ratio	Lower	Upper
41	100		
42	75.7	55.6	83.4

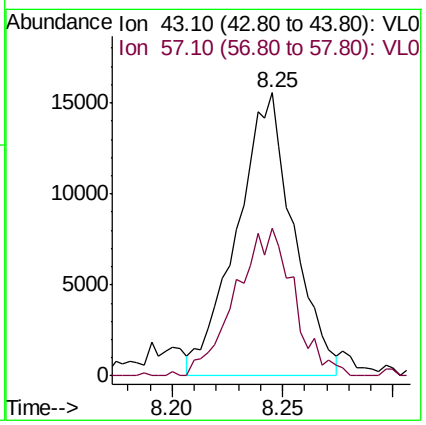


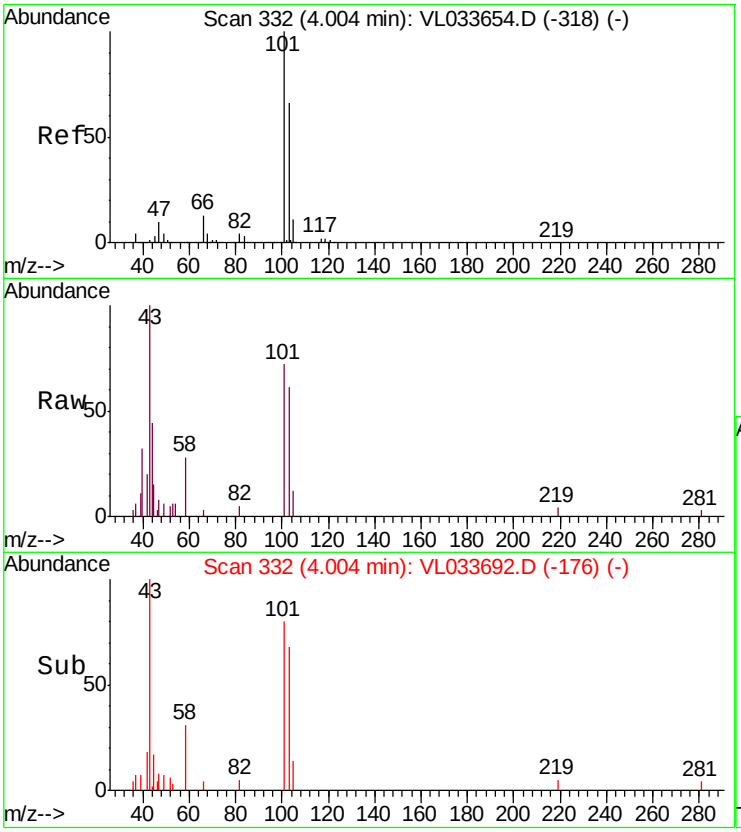


#10
Heptane
Concen: 0.206 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 43 Resp: 27647

Ion	Ratio	Lower	Upper
43	100		
57	53.8	41.8	62.6



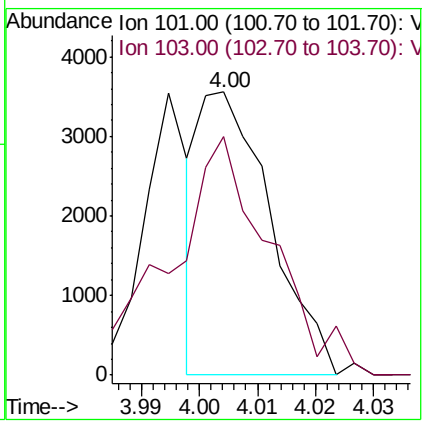


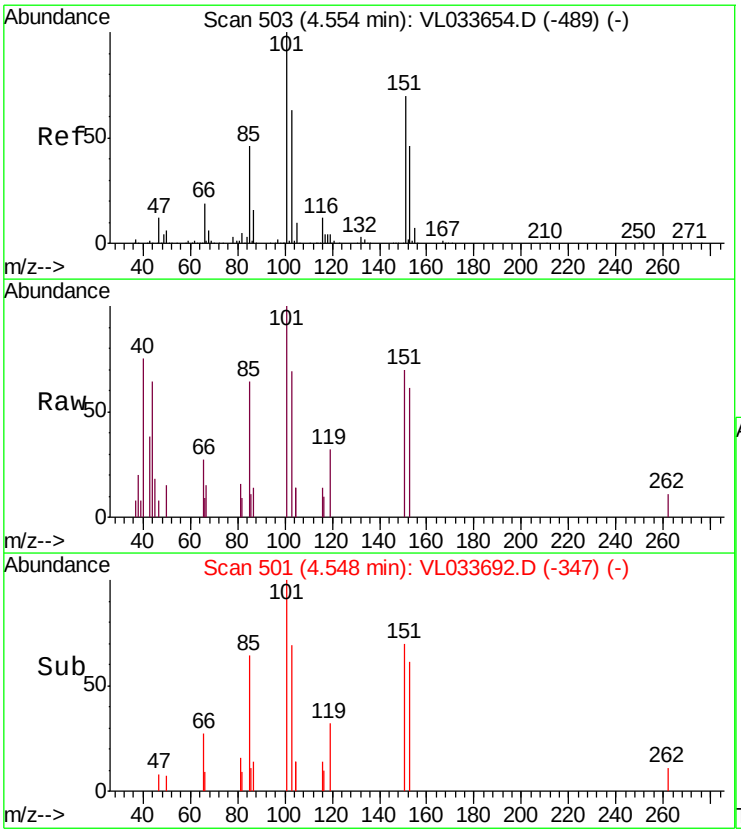
#11
Trichlorofluoromethane
Concen: 0.014 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion:101 Resp: 3018

Ion	Ratio	Lower	Upper
101	100		
103	66.8	52.7	79.1

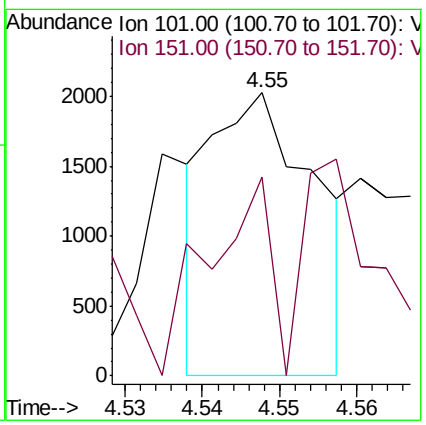


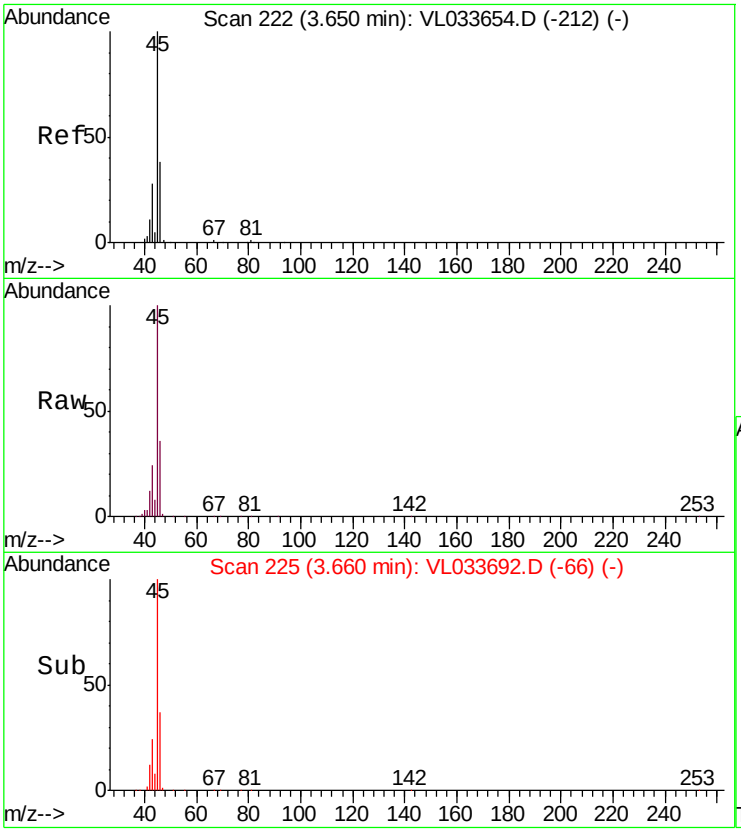


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.013 ppbv
RT: 4.55 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion:101 Resp: 1892

Ion	Ratio	Lower	Upper
101	100		
151	0.0	58.0	87.0#



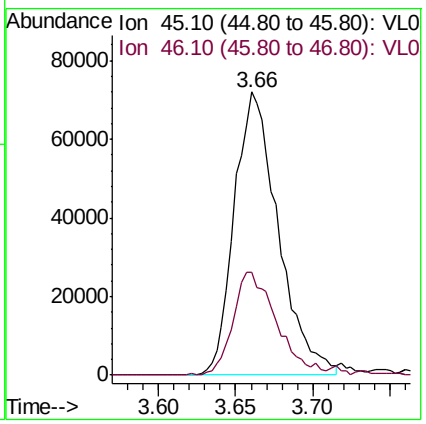


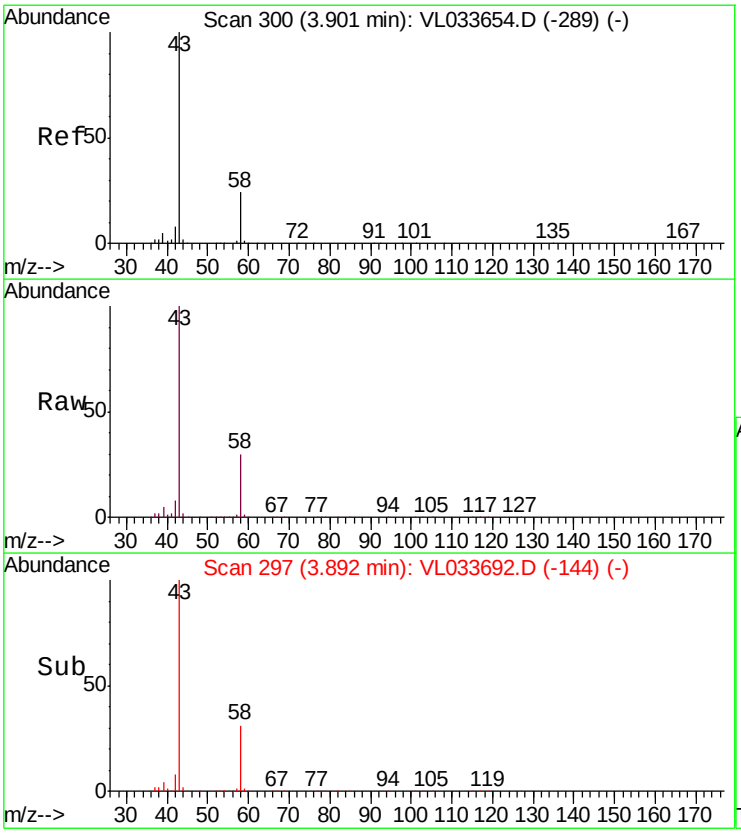
#13
Ethanol
Concen: 8.725 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion: 45 Resp: 142317

Ion	Ratio	Lower	Upper
45	100		
46	37.5	14.9	59.7

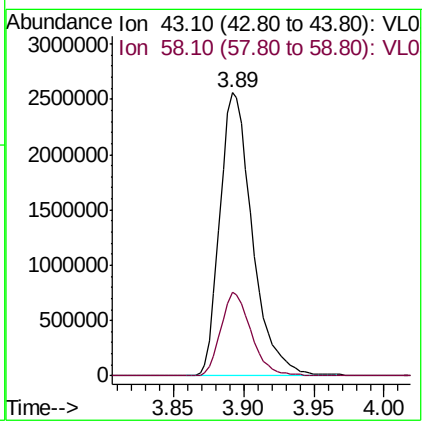


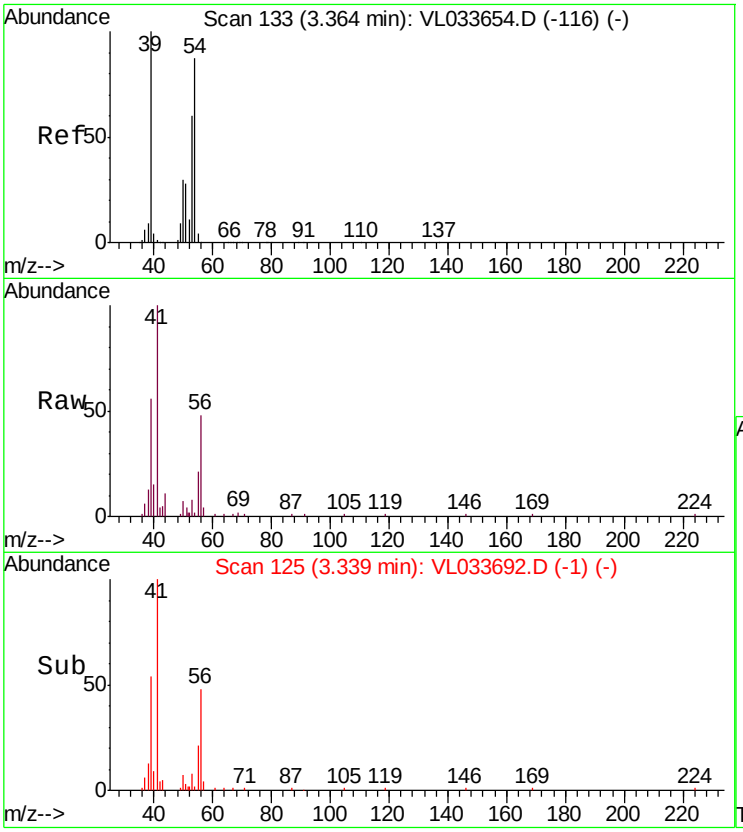


#15
Acetone
Concen: 28.047 ppbv
RT: 3.89 min Scan# 297
Delta R.T. -0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 43 Resp: 4118746

Ion	Ratio	Lower	Upper
43	100		
58	27.8	20.9	31.3



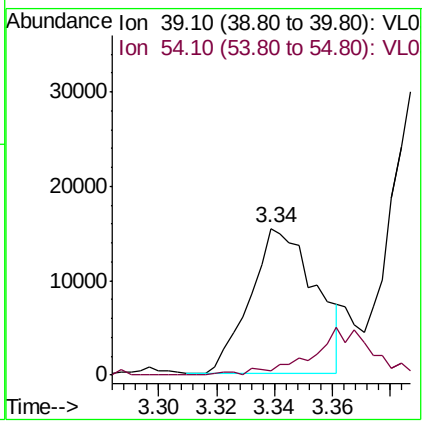


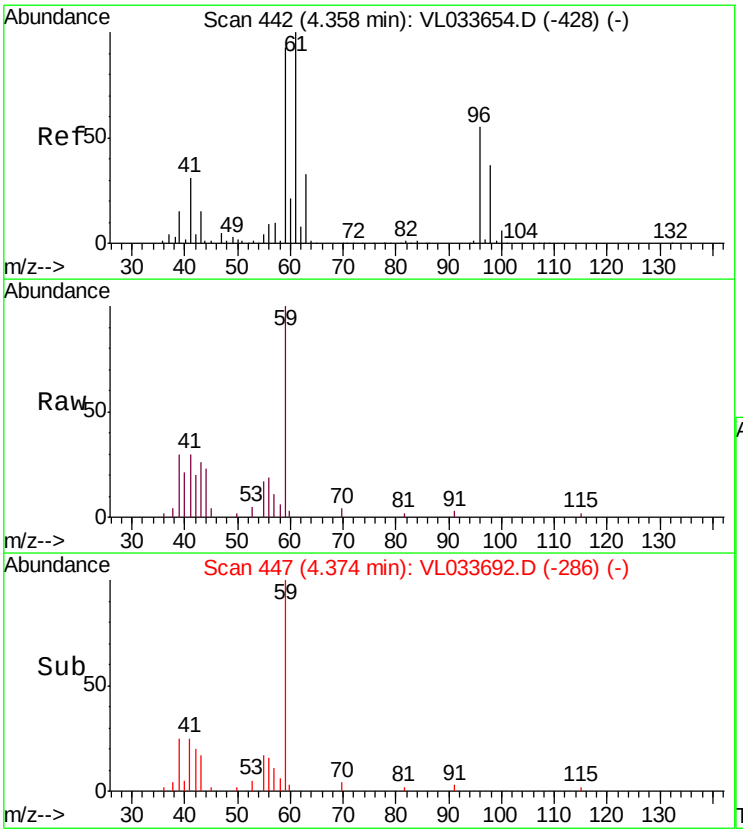
#16
1,3-Butadiene
Concen: 0.384 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.03 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion: 39 Resp: 24185

Ion	Ratio	Lower	Upper
39	100		
54	33.5	67.0	100.4#

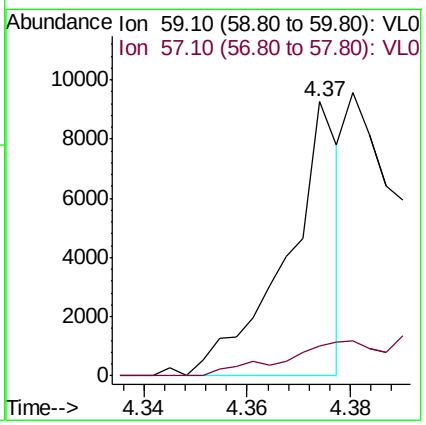


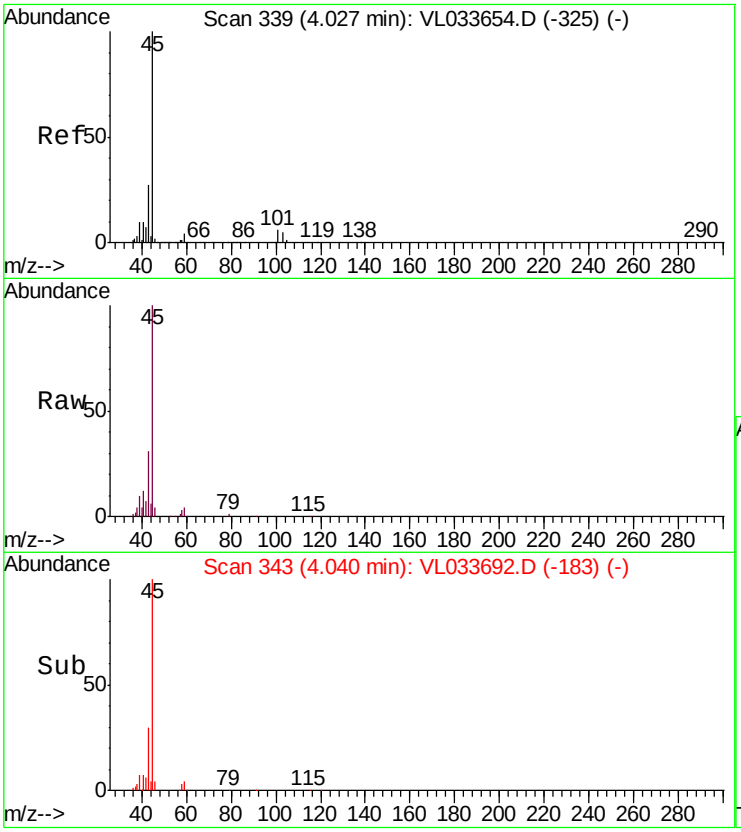


#17
tert-Butyl alcohol
Concen: 0.059 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.02 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 59 Resp: 6536

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#



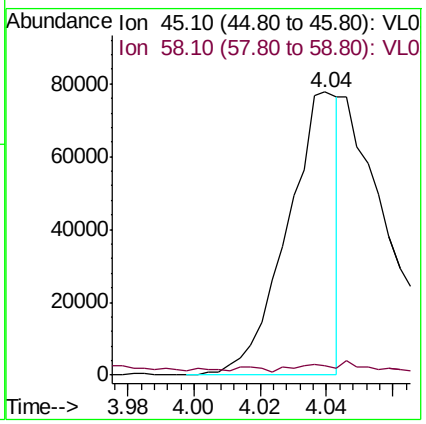


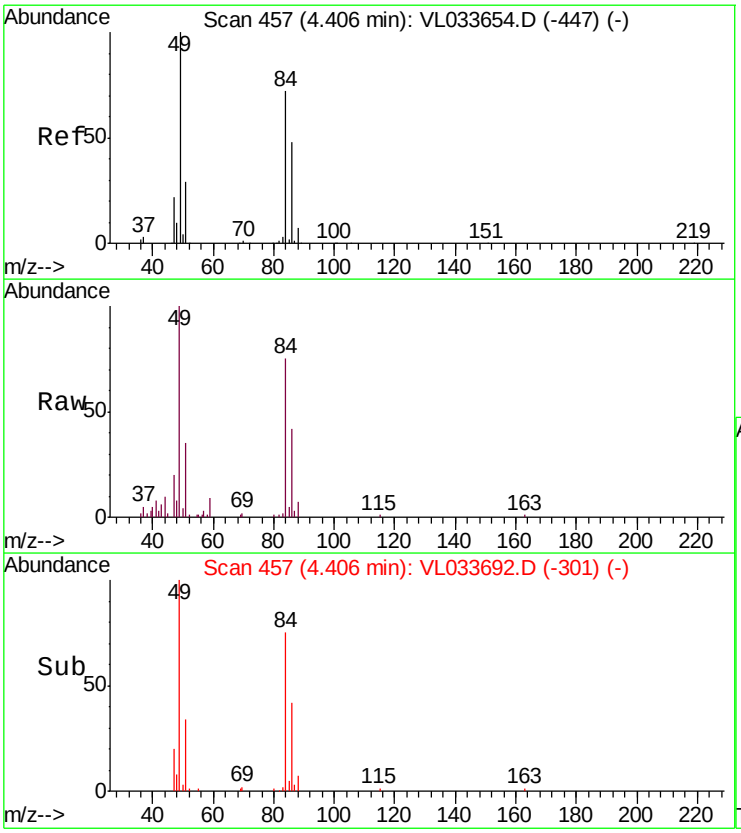
#19
Isopropyl Alcohol
Concen: 0.915 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument : MSVOA_L
ClientSampleId : SS01DL

Tgt Ion: 45 Resp: 82541

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#

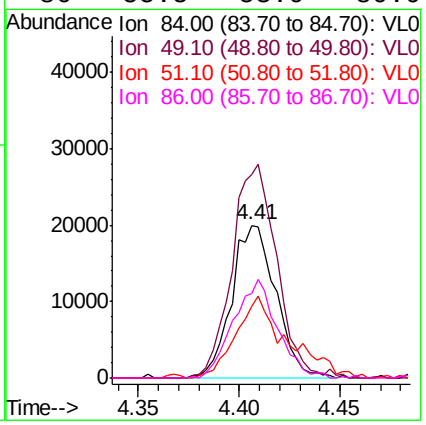


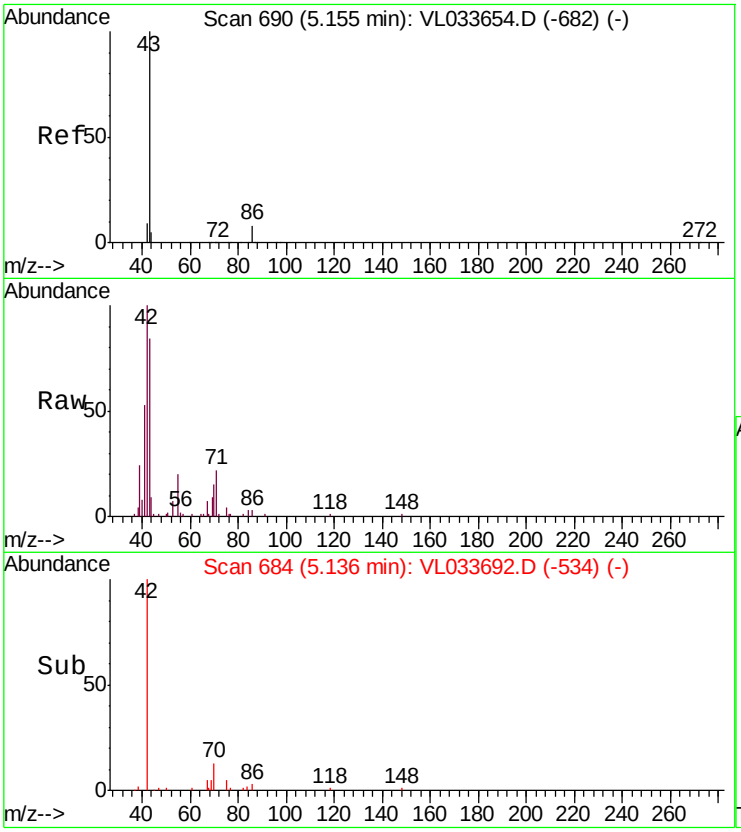


#20
Methylene Chloride
Concen: 0.550 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 84 Resp: 30681

Ion	Ratio	Lower	Upper
84	100		
49	132.8	111.8	167.6
51	47.3	32.3	48.5
86	55.5	53.9	80.9



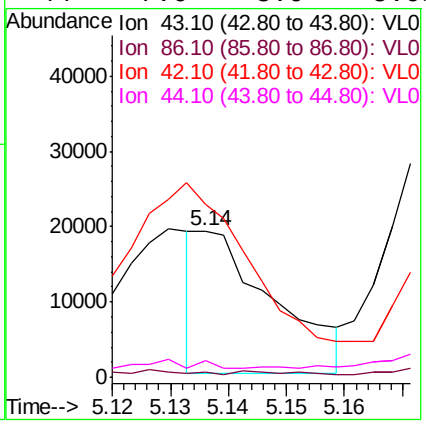


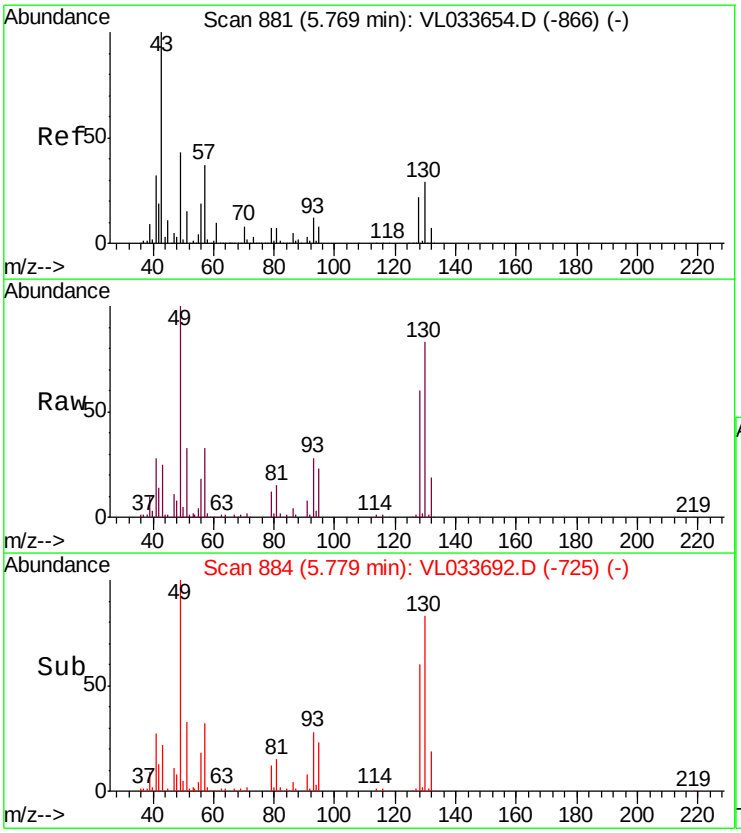
#23
Vinyl Acetate
Concen: 0.090 ppbv
RT: 5.14 min Scan# 684
Delta R.T. -0.02 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion: 43 Resp: 17211

Ion	Ratio	Lower	Upper
43	100		
86	2.5	6.0	9.0#
42	142.7	8.0	12.0#
44	7.0	3.9	5.9#

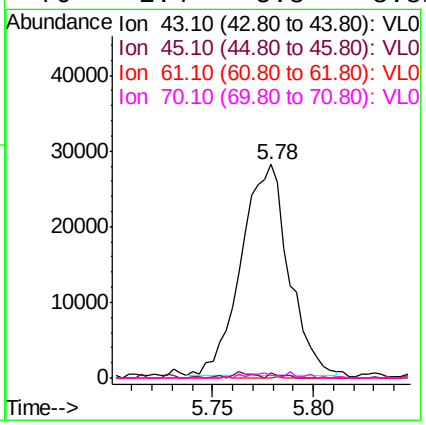


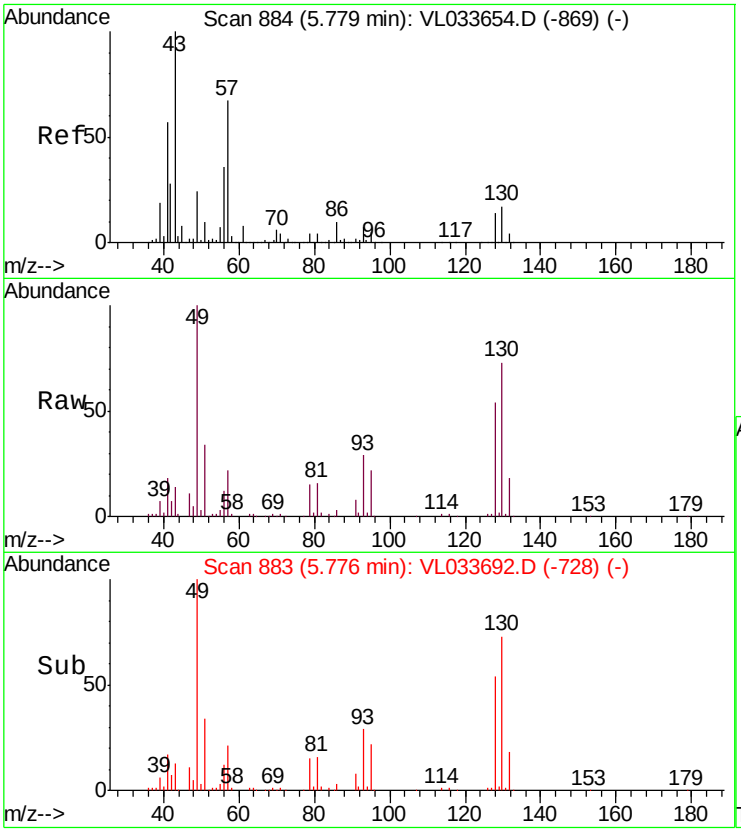


#25
Ethyl Acetate
Concen: 0.194 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 43 Resp: 46355

Ion	Ratio	Lower	Upper
43	100		
45	2.5	8.0	12.0#
61	0.0	7.5	11.3#
70	2.4	5.8	8.8#



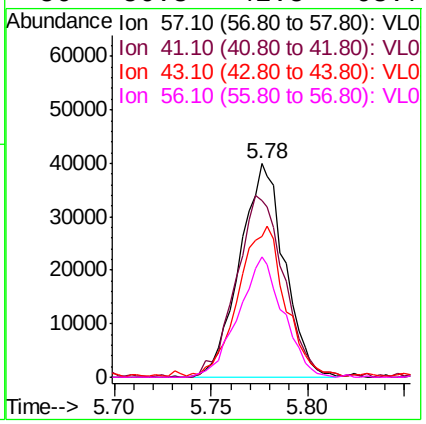


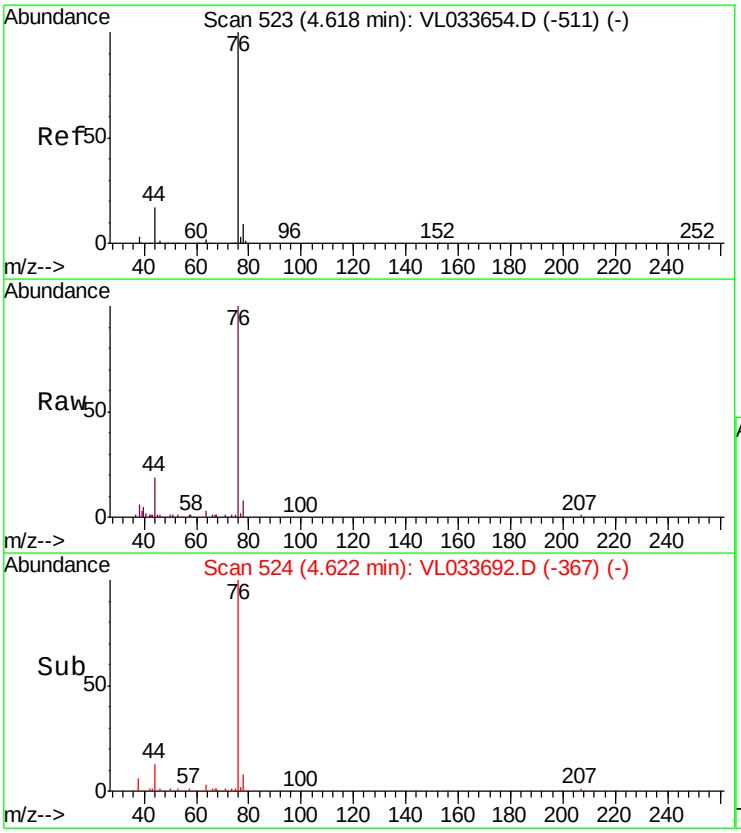
#26
Hexane
Concen: 0.627 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion: 57 Resp: 64402

Ion	Ratio	Lower	Upper
57	100		
41	90.7	69.7	104.5
43	73.5	181.9	272.9#
56	56.3	42.5	63.7

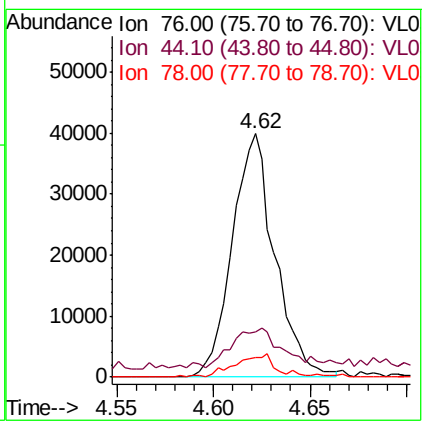


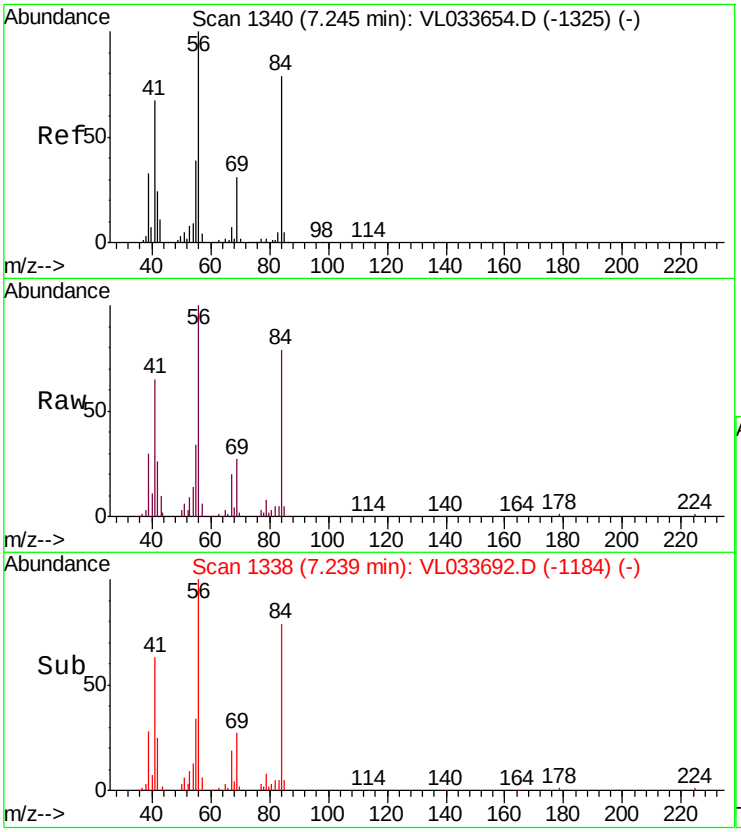


#27
Carbon Disulfide
Concen: 0.434 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 76 Resp: 60898

Ion	Ratio	Lower	Upper
76	100		
44	21.5	14.4	21.6
78	9.7	7.4	11.2



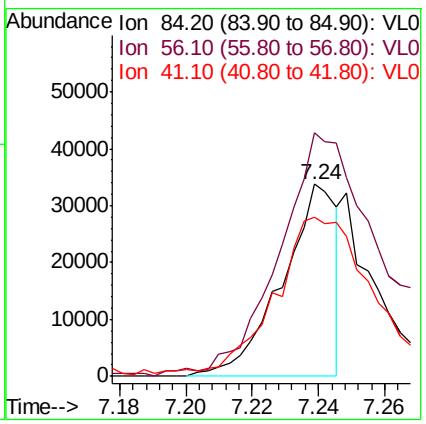


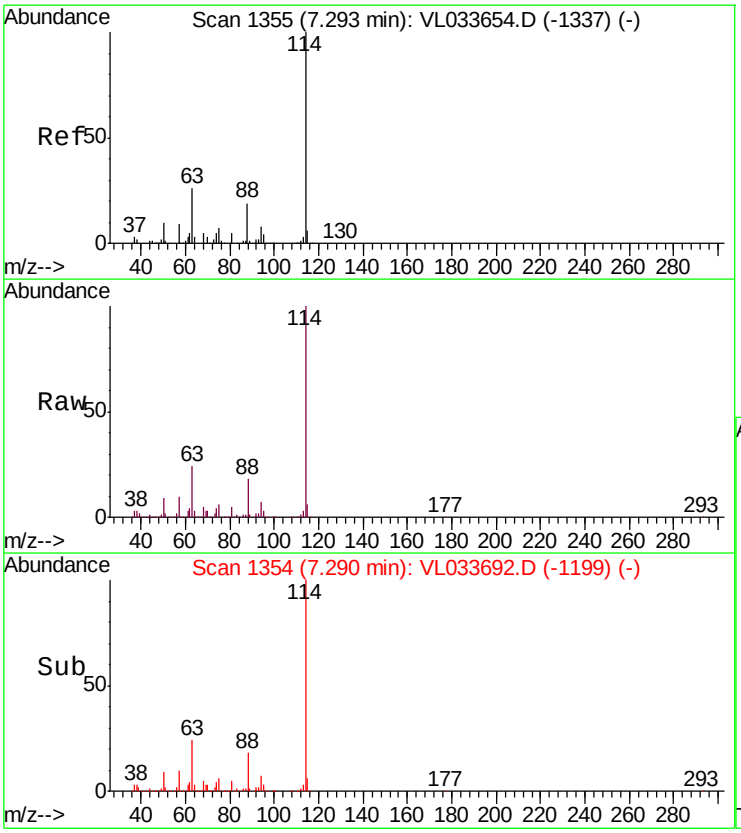
#30
Cyclohexane
Concen: 0.447 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion: 84 Resp: 38547

Ion	Ratio	Lower	Upper
84	100		
56	222.3	107.0	160.4#
41	150.5	66.6	99.8#

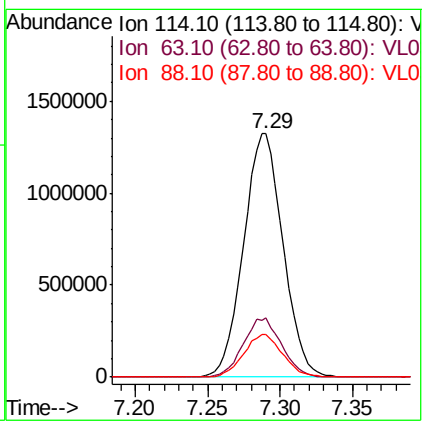


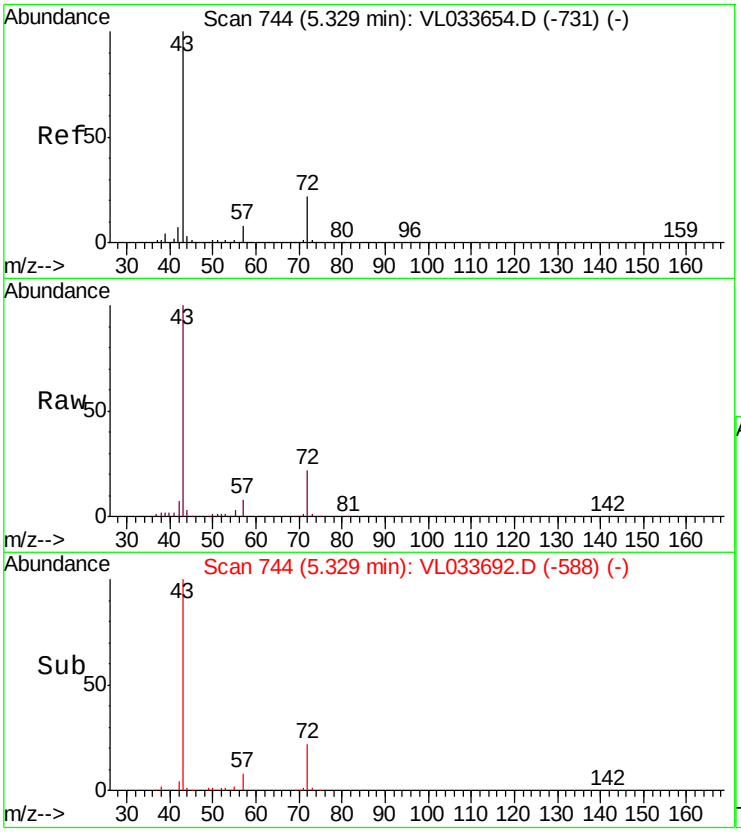


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion:114 Resp: 2502561

Ion	Ratio	Lower	Upper
114	100		
63	23.6	21.3	31.9
88	17.3	14.4	21.6



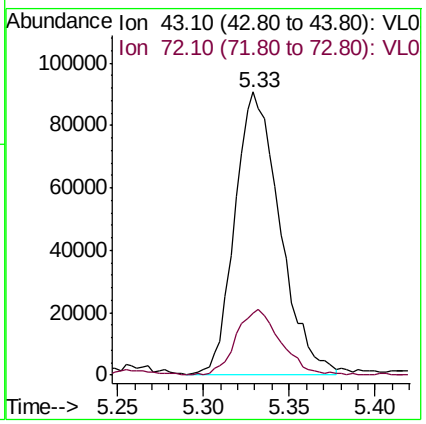


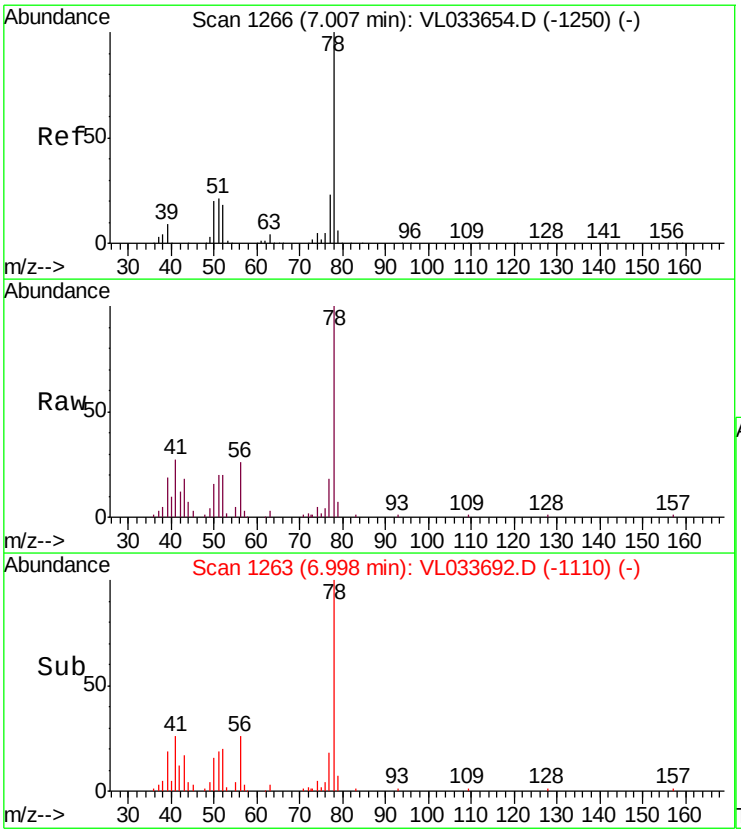
#34
2-Butanone
Concen: 1.030 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion: 43 Resp: 164986

Ion	Ratio	Lower	Upper
43	100		
72	23.4	17.5	26.3

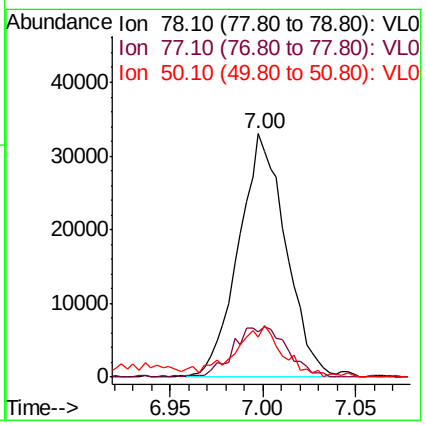


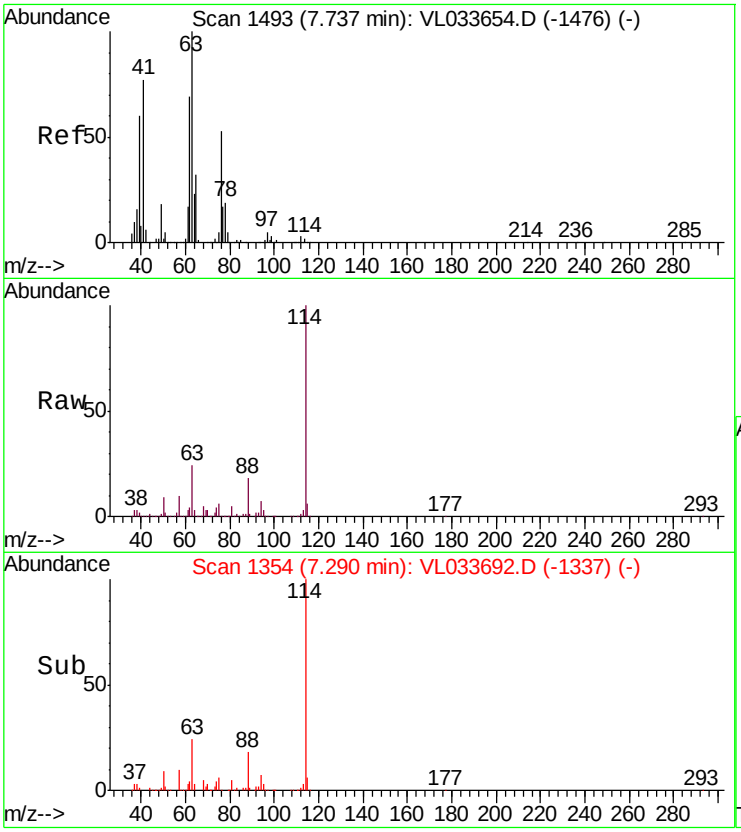


#36
Benzene
Concen: 0.259 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 78 Resp: 58164

Ion	Ratio	Lower	Upper
78	100		
77	18.3	18.2	27.2
50	15.1	15.8	23.6#



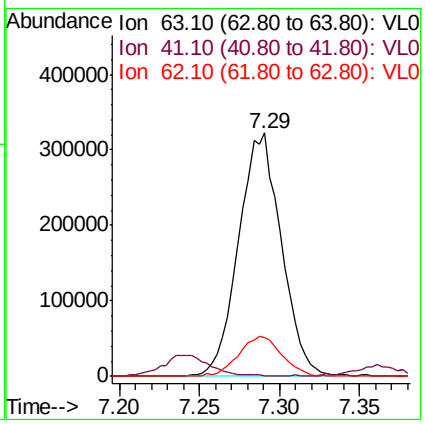


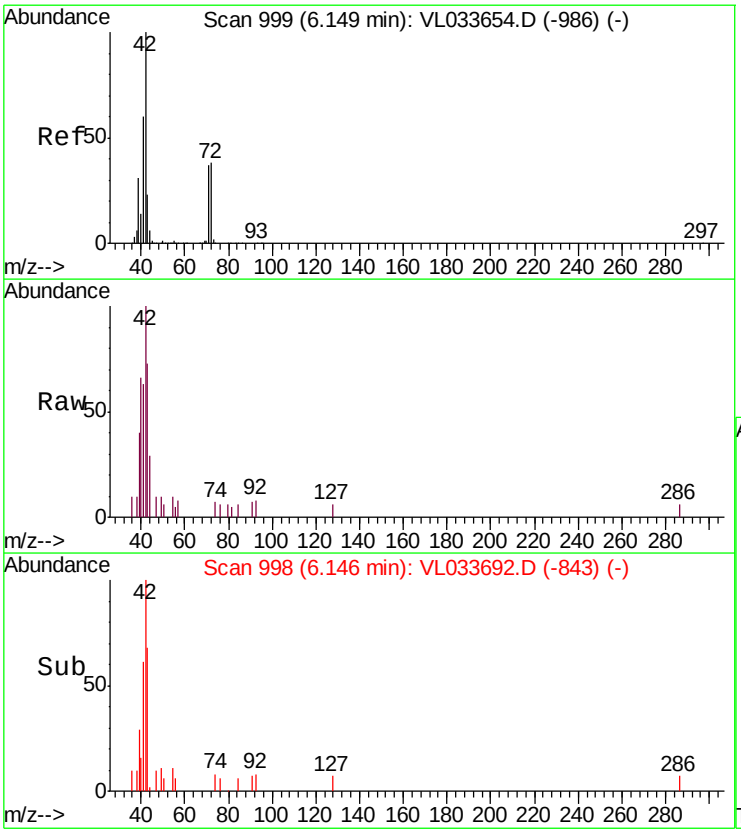
#39
1,2-Dichloropropane
Concen: 7.007 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion: 63 Resp: 586033

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.6	92.4#
62	16.2	55.0	82.6#

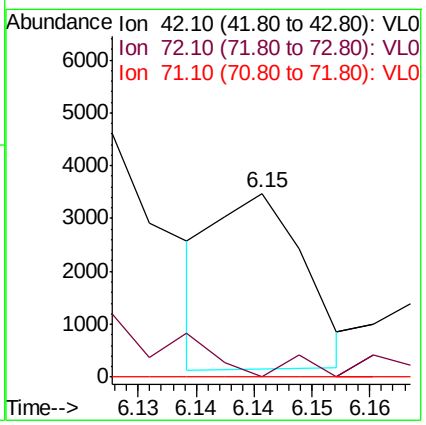


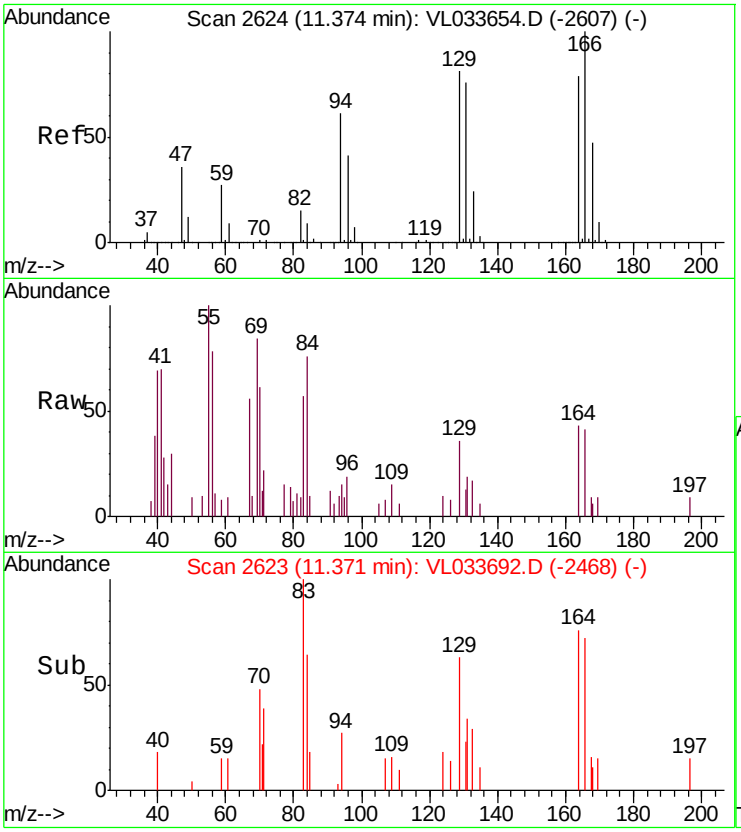


#41
Tetrahydrofuran
Concen: 0.021 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 42 Resp: 1772

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.6	47.4#
71	0.0	30.6	46.0#



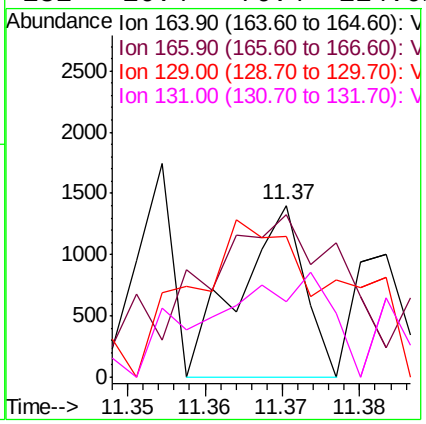


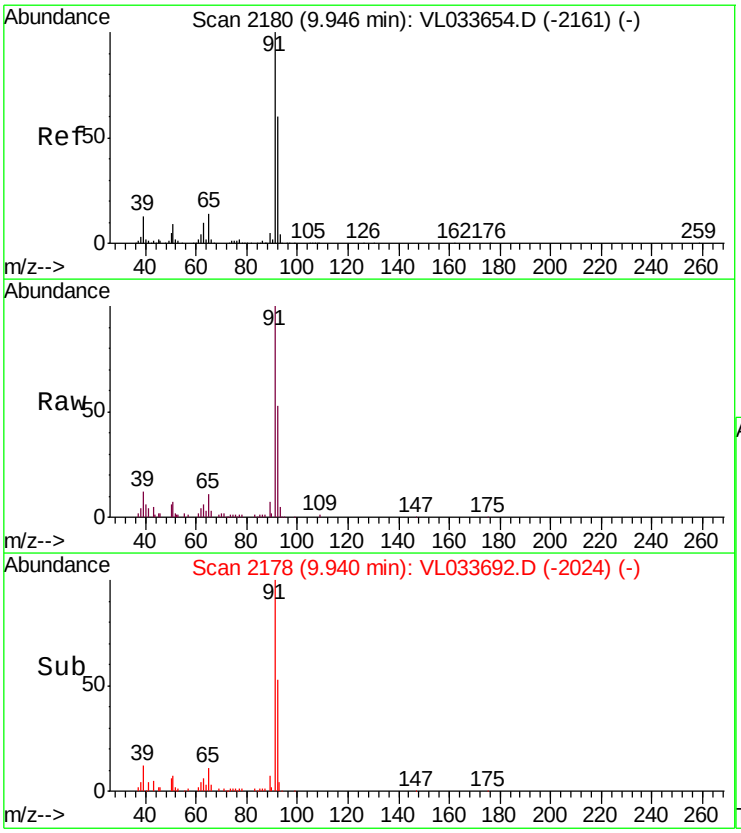
#52
Tetrachloroethene
Concen: 0.010 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument : MSVOA_L
ClientSampleId : SS01DL

Tgt Ion:164 Resp: 826

Ion	Ratio	Lower	Upper
164	100		
166	32.0	100.6	151.0#
129	29.1	81.0	121.6#
131	16.4	76.4	114.6#

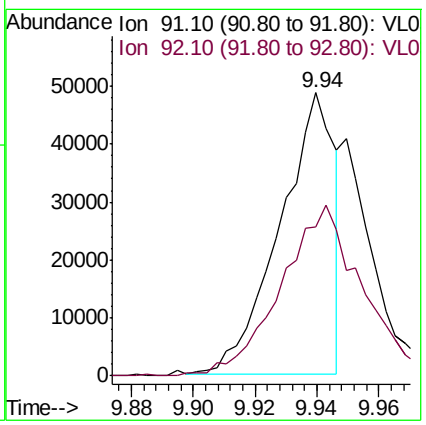


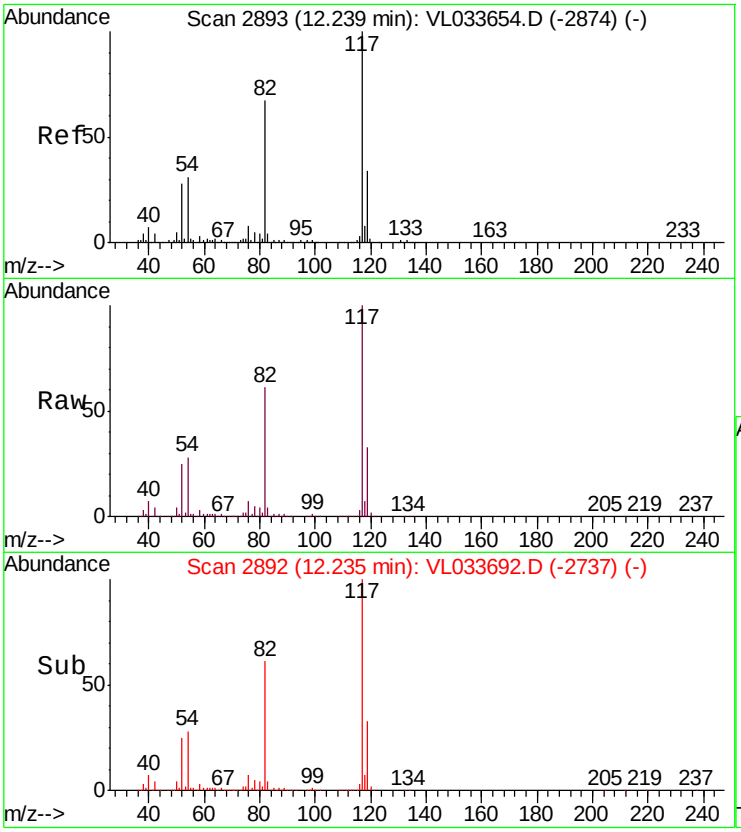


#53
Toluene
Concen: 0.246 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 91 Resp: 59697

Ion	Ratio	Lower	Upper
91	100		
92	90.1	47.7	71.5#



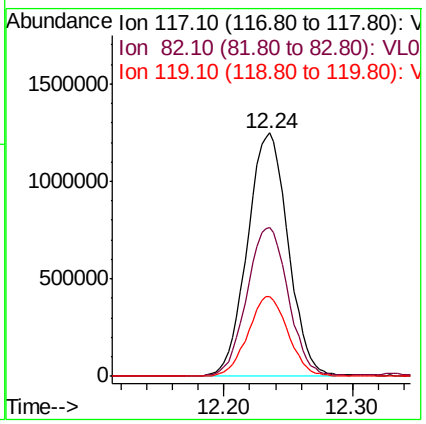


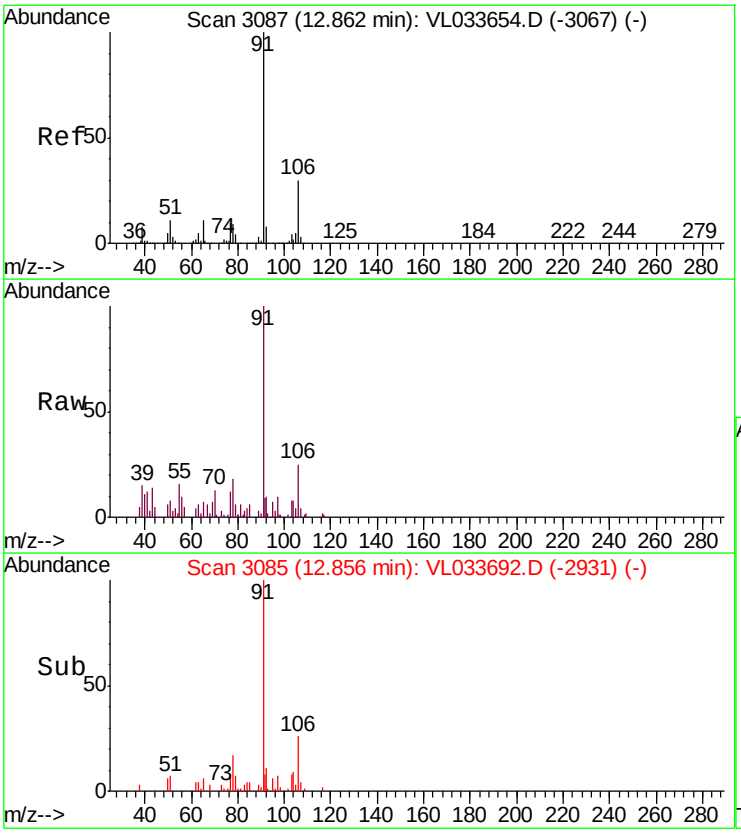
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion:117 Resp: 2746701

Ion	Ratio	Lower	Upper
117	100		
82	62.2	49.7	74.5
119	32.4	24.8	37.2

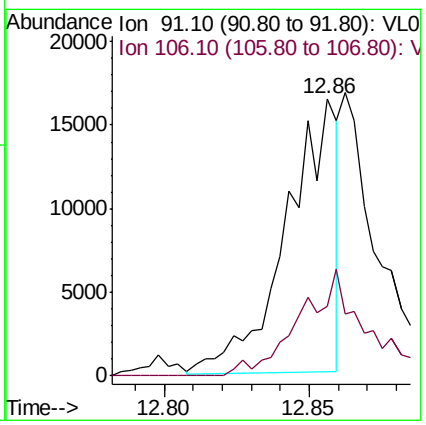


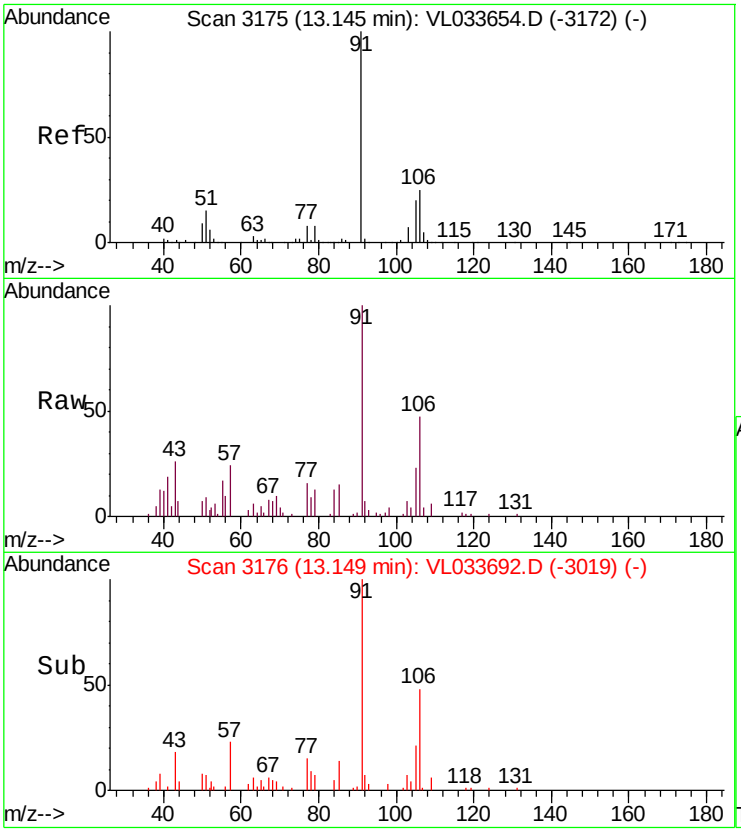


#58
Ethyl Benzene
Concen: 0.055 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 91 Resp: 19874

Ion	Ratio	Lower	Upper
91	100		
106	23.7	23.7	35.5



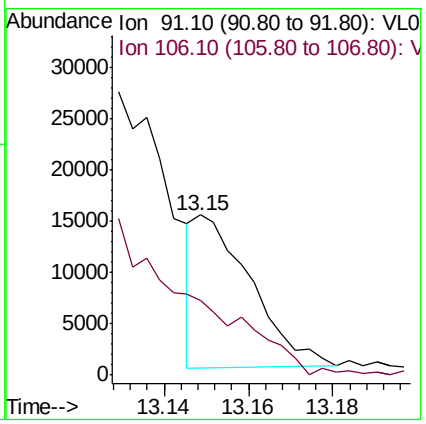


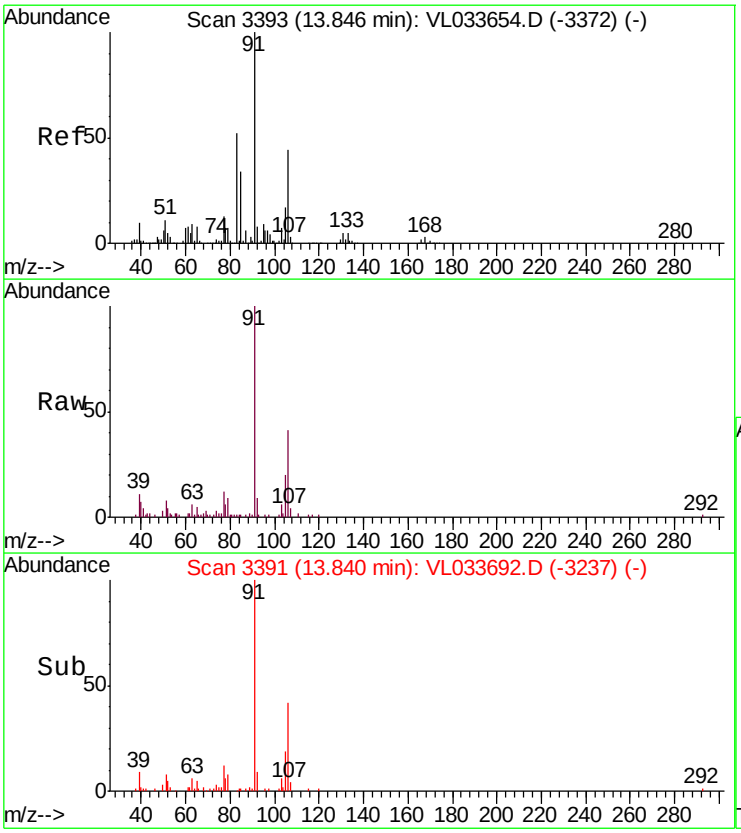
#59
m/p-Xylene
Concen: 0.043 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion: 91 Resp: 13692

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.2	54.2#

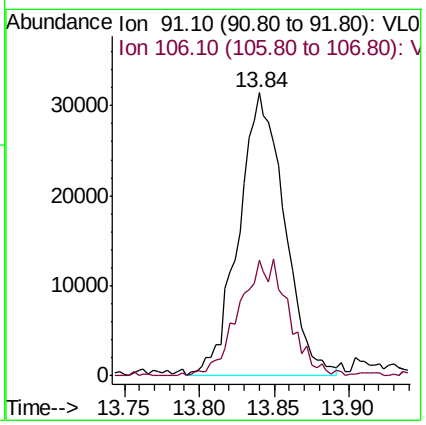


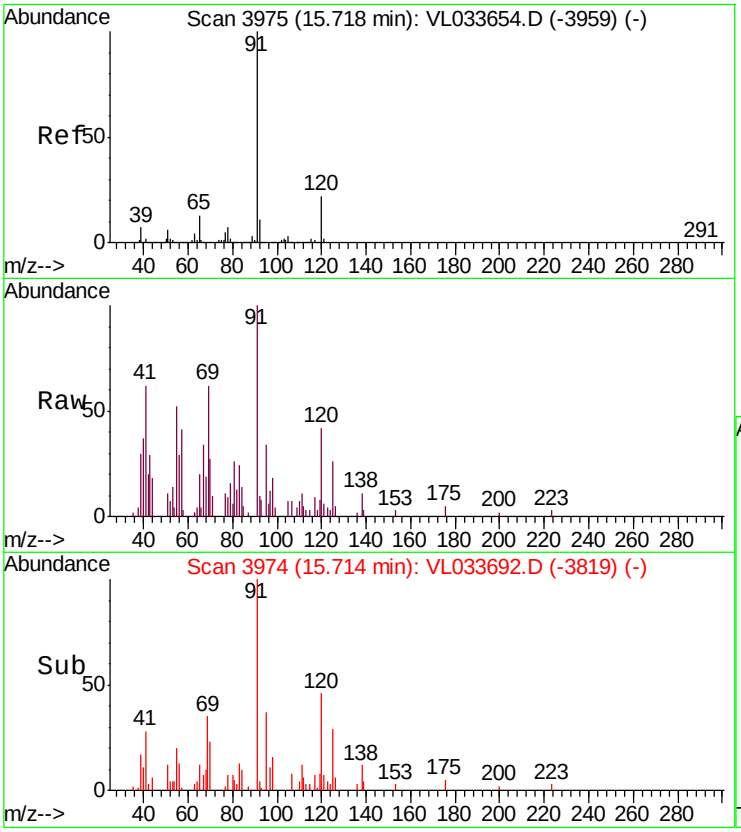


#60
o-Xylene
Concen: 0.210 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 91 Resp: 67203

Ion	Ratio	Lower	Upper
91	100		
106	45.1	21.7	65.1



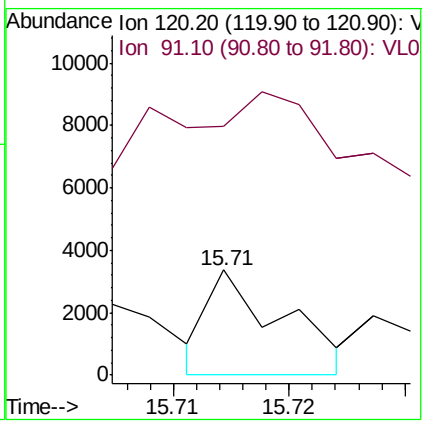


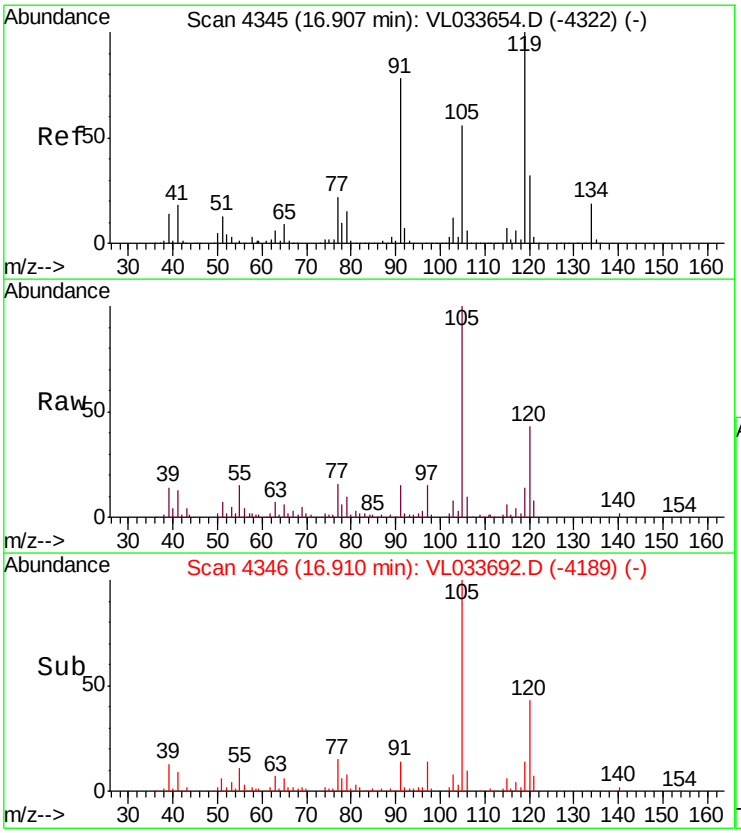
#64
n-propylbenzene
Concen: 0.014 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. -0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion:120 Resp: 1524

Ion	Ratio	Lower	Upper
120	100		
91	1484.7	379.0	568.6#

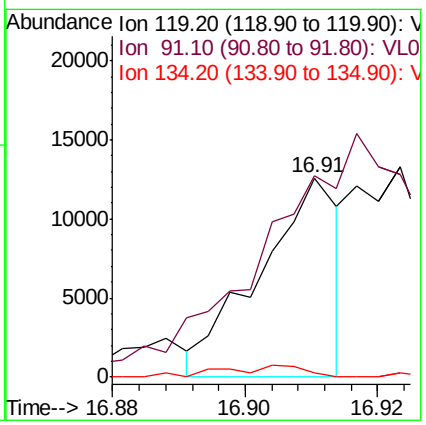


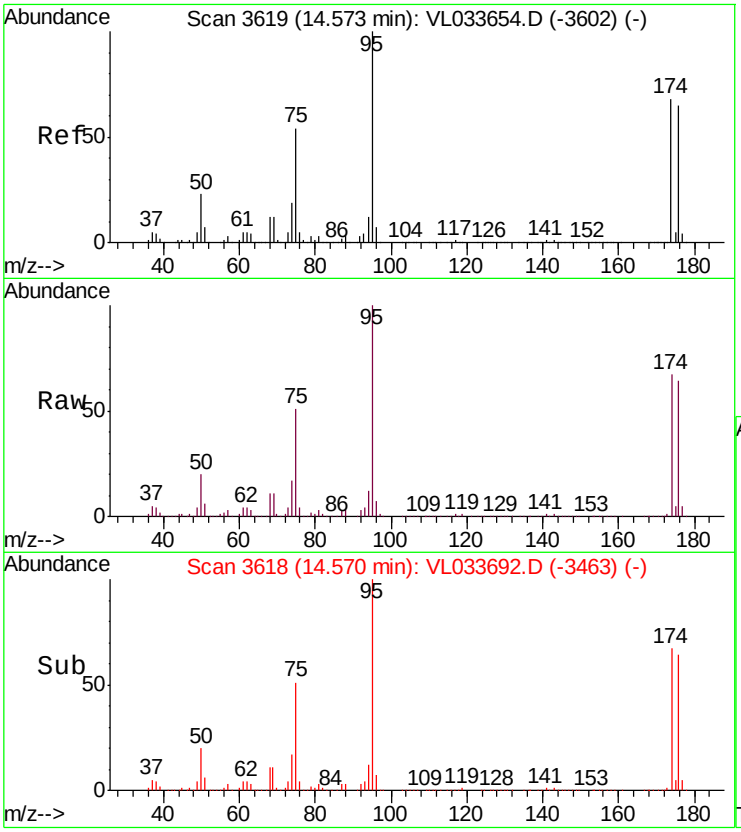


#65
tert-Butylbenzene
Concen: 0.026 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion:119 Resp: 10451

Ion	Ratio	Lower	Upper
119	100		
91	299.6	65.9	98.9#
134	7.9	15.5	23.3#



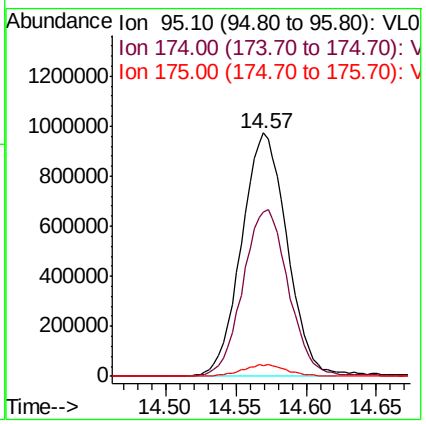


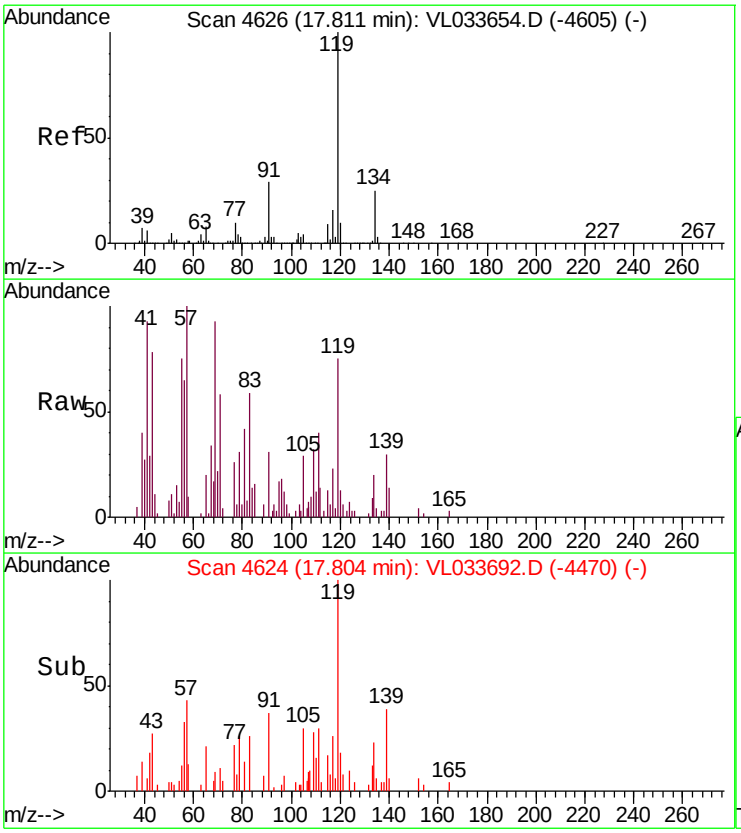
#68
1-Bromo-4-Fluorobenzene
Concen: 9.712 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument : MSVOA_L
ClientSampleId : SS01DL

Tgt Ion: 95 Resp: 2186685

Ion	Ratio	Lower	Upper
95	100		
174	69.6	54.0	81.0
175	5.0	3.8	5.8

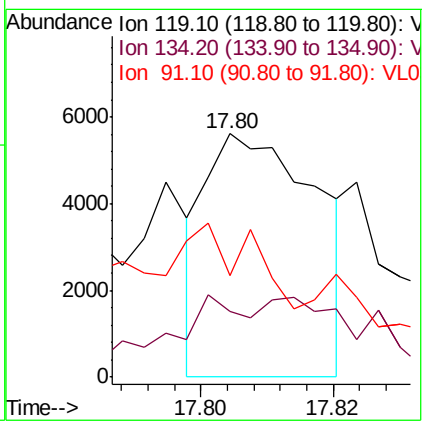


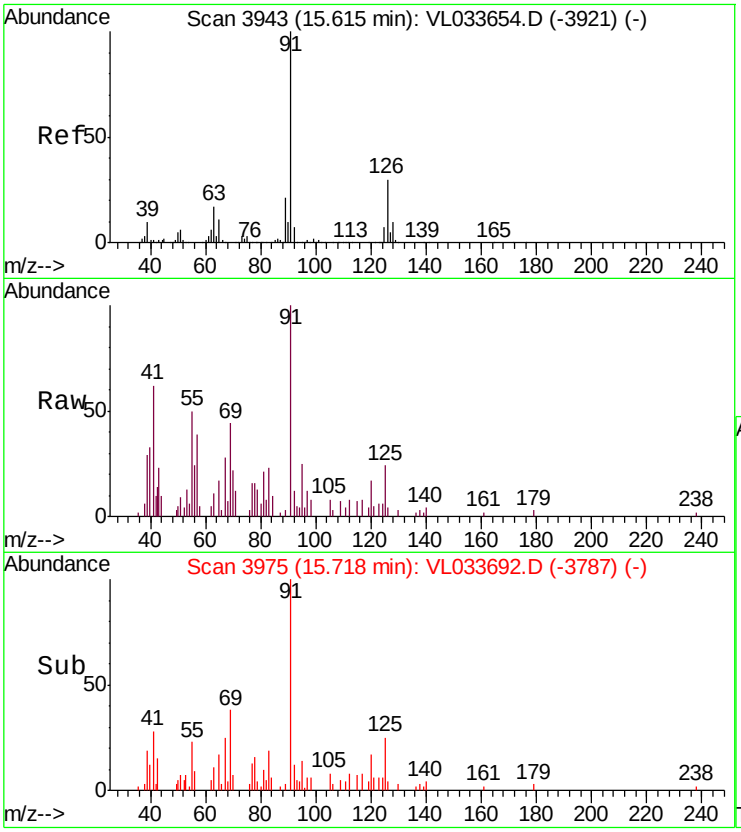


#69
p-Isopropyltoluene
Concen: 0.014 ppbv
RT: 17.80 min Scan# 4624
Delta R.T. -0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion:119 Resp: 6520

Ion	Ratio	Lower	Upper
119	100		
134	64.8	20.2	30.2#
91	94.7	23.4	35.2#



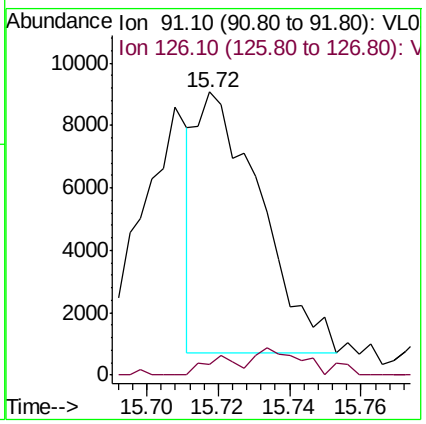


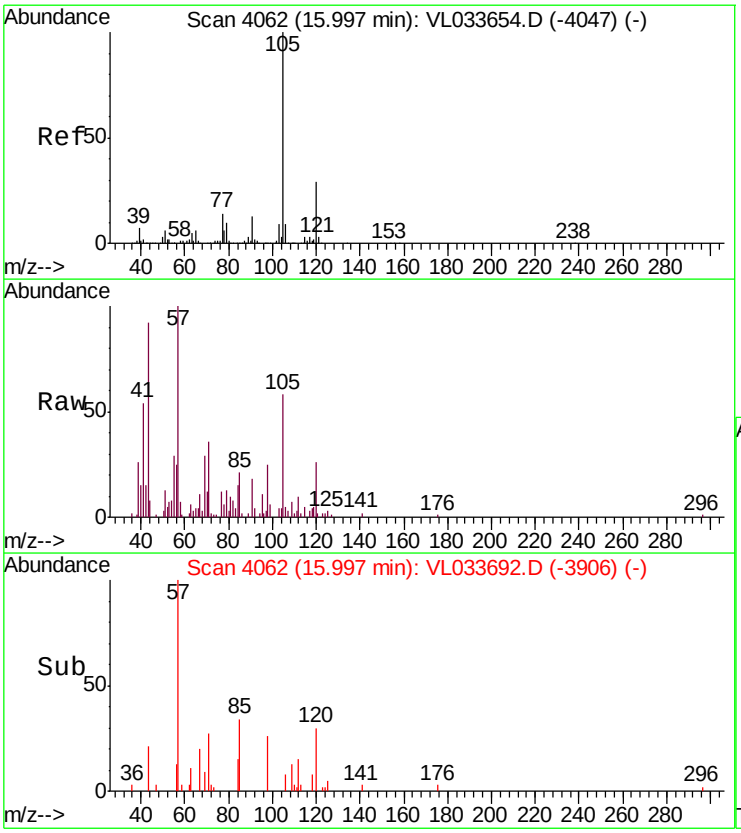
#71
2-Chlorotoluene
Concen: 0.033 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. 0.10 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument : MSVOA_L
ClientSampleId : SS01DL

Tgt Ion: 91 Resp: 10504

Ion	Ratio	Lower	Upper
91	100		
126	12.4	12.0	47.8

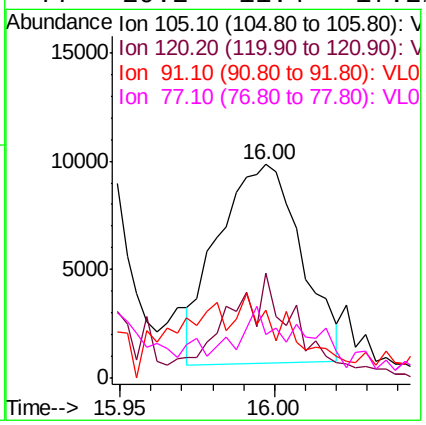


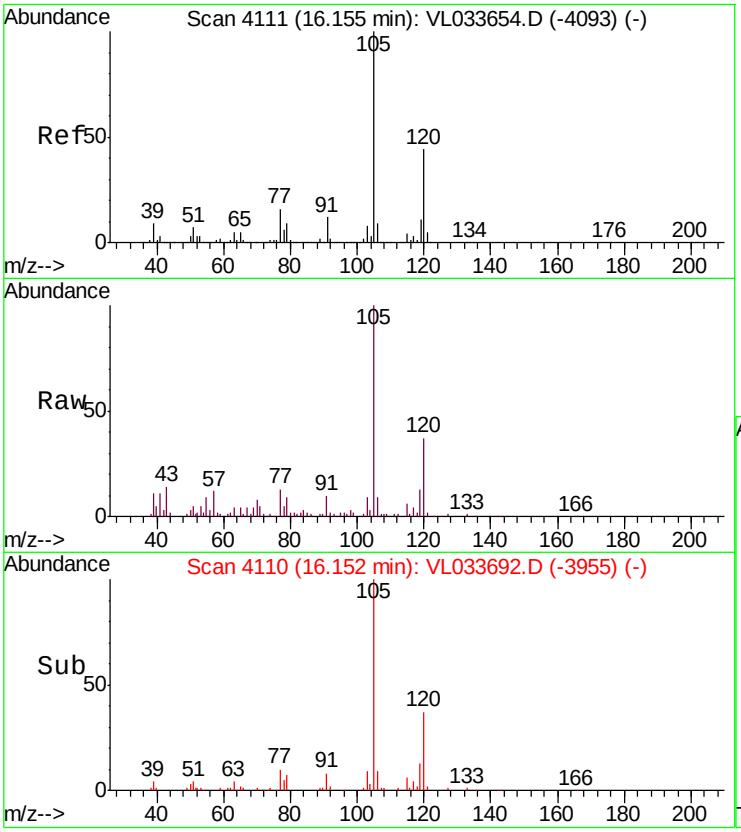


#72
4-Ethyltoluene
Concen: 0.046 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion:105 Resp: 17145

Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.0	34.6#
91	55.4	10.5	15.7#
77	29.2	11.4	17.2#



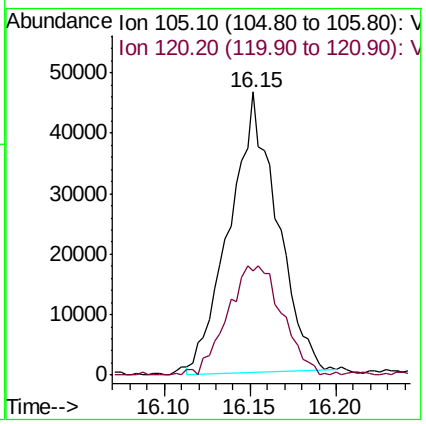


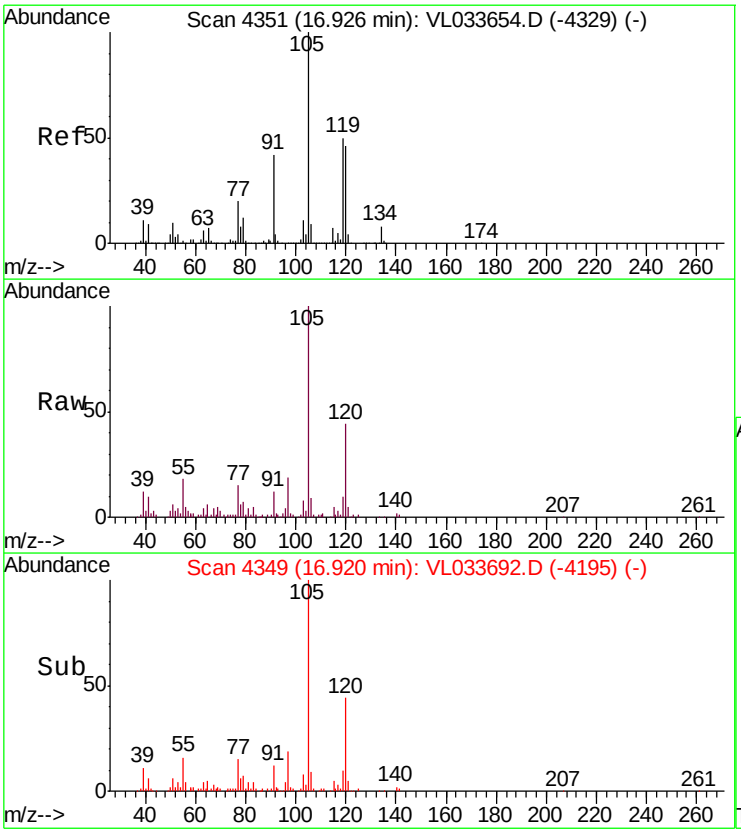
#73
1,3,5-Trimethylbenzene
Concen: 0.246 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion:105 Resp: 89231

Ion	Ratio	Lower	Upper
105	100		
120	36.1	35.5	53.3

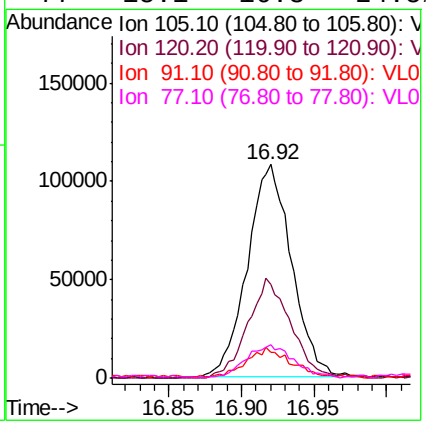


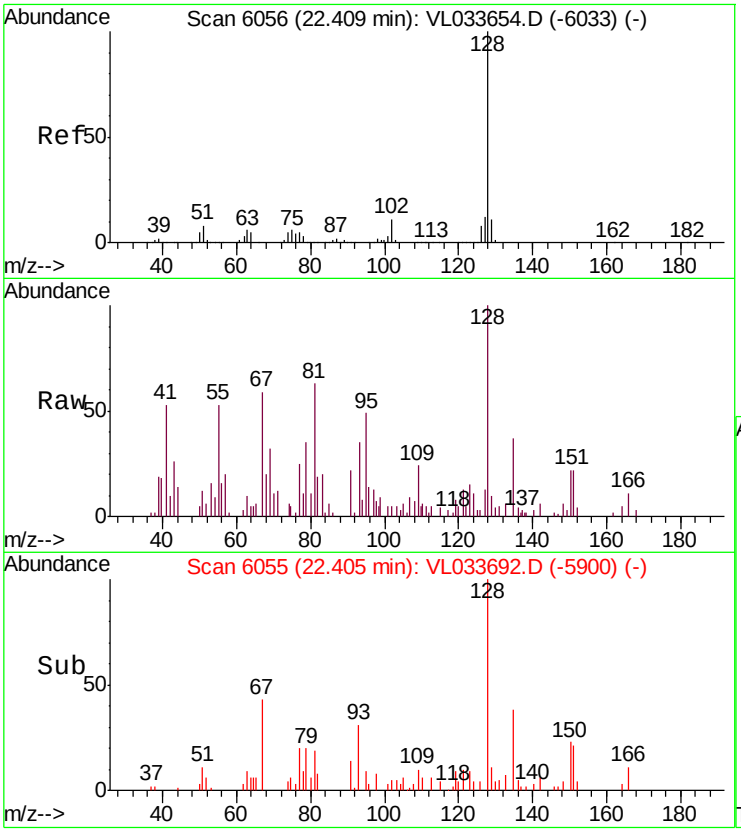


#74
1,2,4-Trimethylbenzene
Concen: 0.570 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion:105 Resp: 229920

Ion	Ratio	Lower	Upper
105	100		
120	43.8	36.5	54.7
91	11.7	33.7	50.5#
77	15.1	16.3	24.5#



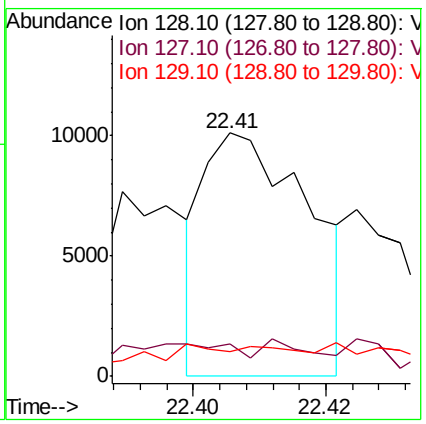


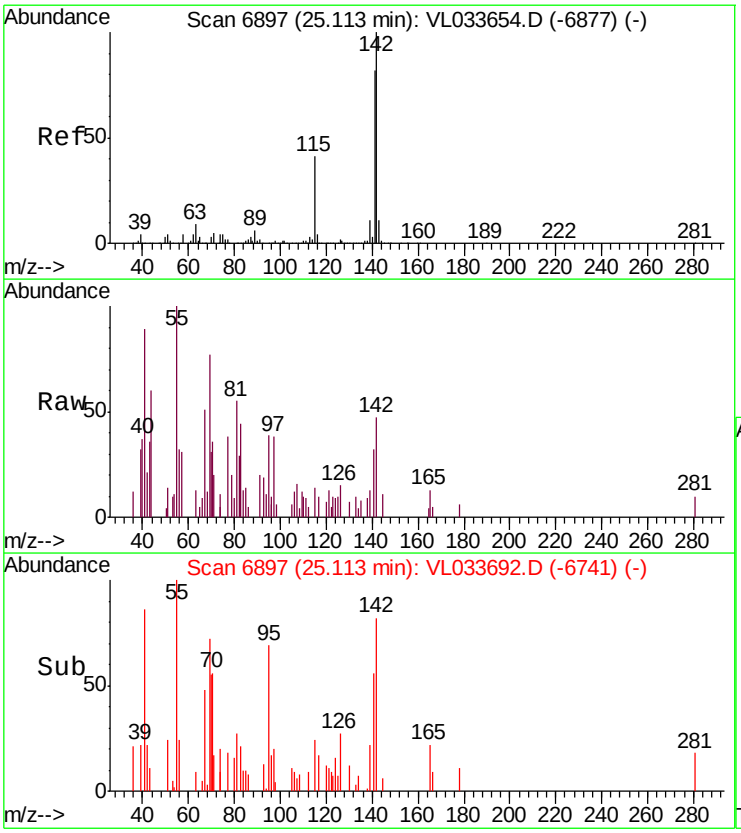
#79
Naphthalene
Concen: 0.030 ppbv
RT: 22.41 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tgt Ion:128 Resp: 11224

Ion	Ratio	Lower	Upper
128	100		
127	14.0	9.8	14.8
129	0.0	8.8	13.2#





#80
Naphthalene,2-methyl-
Concen: 0.032 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion:142 Resp: 4500

Ion	Ratio	Lower	Upper
142	100		
141	81.6	67.9	101.9
115	78.3	34.2	51.4#