Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033803.D
Acq On : 28 May 2019 13:43
Operator : SY/AP
Sample : K2929-17DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3006-55DL

Quant Time: May 29 04:36:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	1021057	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2535115	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2405445	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1976491	10.14	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	9545	0.044	ppbv		92
3) Chlorodifluoromethane	3.01	51	11165	0.095	ppbv	#	86
4) Chloromethane	3.17	50	6610	0.099	ppbv		90
9) Propene	3.03	41	531837	10.691	ppbv		92
10) Heptane	8.24	43	16769	0.119	ppbv	#	78
11) Trichlorofluoromethane	4.00	101	4533	0.022	ppbv		100
13) Ethanol	3.65	45	68123	4.237	ppbv		99
15) Acetone	3.89	43	2656777	18.754	ppbv		95
16) 1,3-Butadiene	3.34	39	336607	5.967	ppbv	#	22
17) tert-Butyl alcohol	4.37	59	27673	0.242	ppbv	#	69
19) Isopropyl Alcohol	4.03	45	14156	0.155	ppbv	#	94
20) Methylene Chloride	4.40	84	29385	0.539	ppbv		92
21) Allyl Chloride	4.46	41	7808	0.088	ppbv	#	1
23) Vinyl Acetate	5.14	43	10525	0.056	ppbv	#	65
25) Ethyl Acetate	5.77	43	69526	0.279	ppbv	#	80
26) Hexane	5.77	57	87178	0.815	ppbv	#	40
27) Carbon Disulfide	4.62	76	20118	0.137	ppbv	#	44
29) Chloroform	5.84	83	2688	0.014	ppbv	#	77
34) 2-Butanone	5.33	43	216692	1.379	ppbv		99
36) Benzene	7.00	78	37304	0.162	ppbv		94
38) Trichloroethene	7.95	130	916	0.011	ppbv	#	16
39) 1,2-Dichloropropane	7.28	63	617796	7.186	ppbv	#	23
44) 2,2,4-Trimethylpentane	7.98	57	6716	0.017	ppbv	#	1
53) Toluene	9.94	91	163531	0.657	ppbv		99
58) Ethyl Benzene	12.85	91	20993	0.066	ppbv		96
60) o-Xylene	13.84	91	13026	0.046	ppbv	#	53
64) n-propylbenzene	15.91	120	1007	0.010	ppbv		72
74) 1,2,4-Trimethylbenzene	16.91	105	4556	0.013	ppbv	#	51
80) Naphthalene,2-methyl-	25.12	142	1822	0.015	ppbv	#	88

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

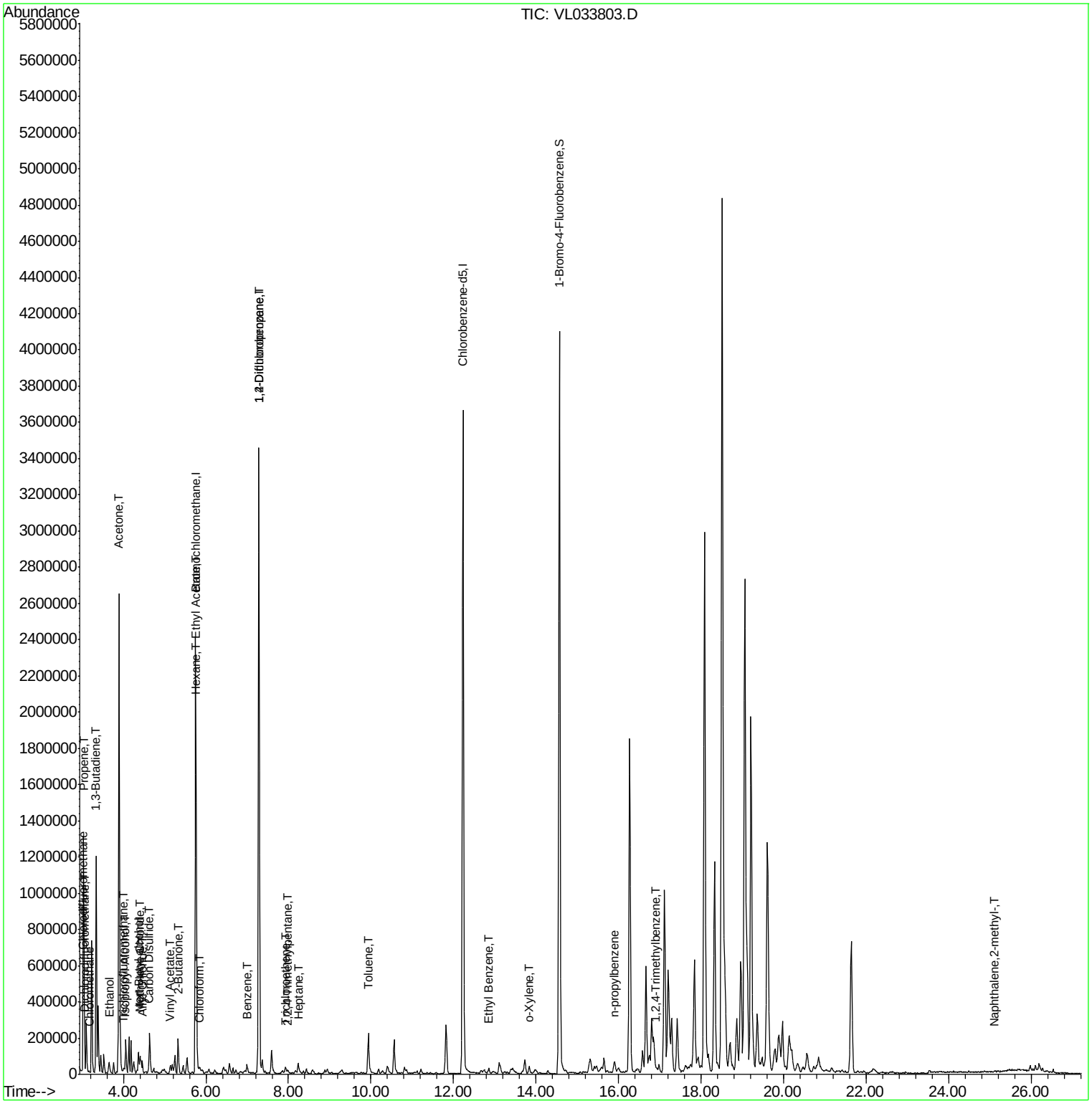
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

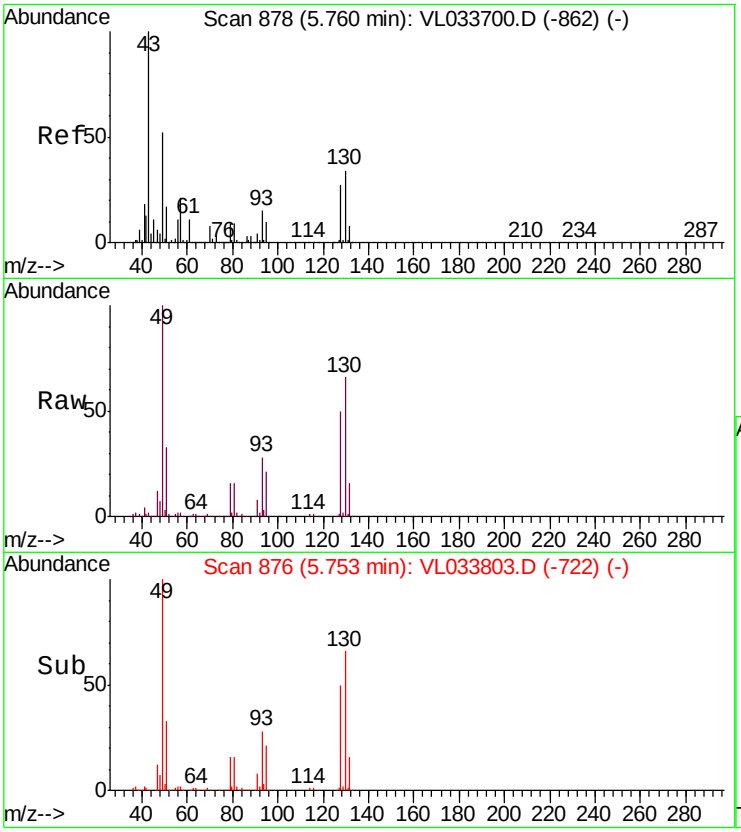
Quantitation Report (Not Reviewed)

Data File : VL033803.D
Acq On : 28 May 2019 13:43
Operator : SY/AP
Sample : K2929-17DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3006-55DL

Quant Time: May 29 04:36:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



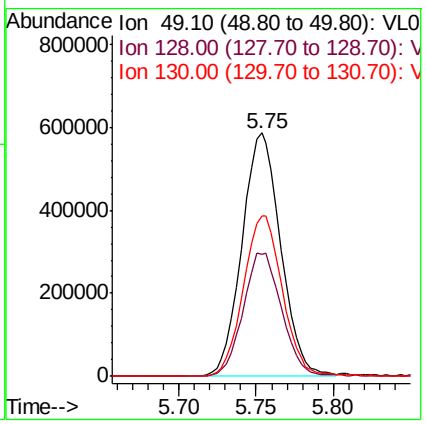


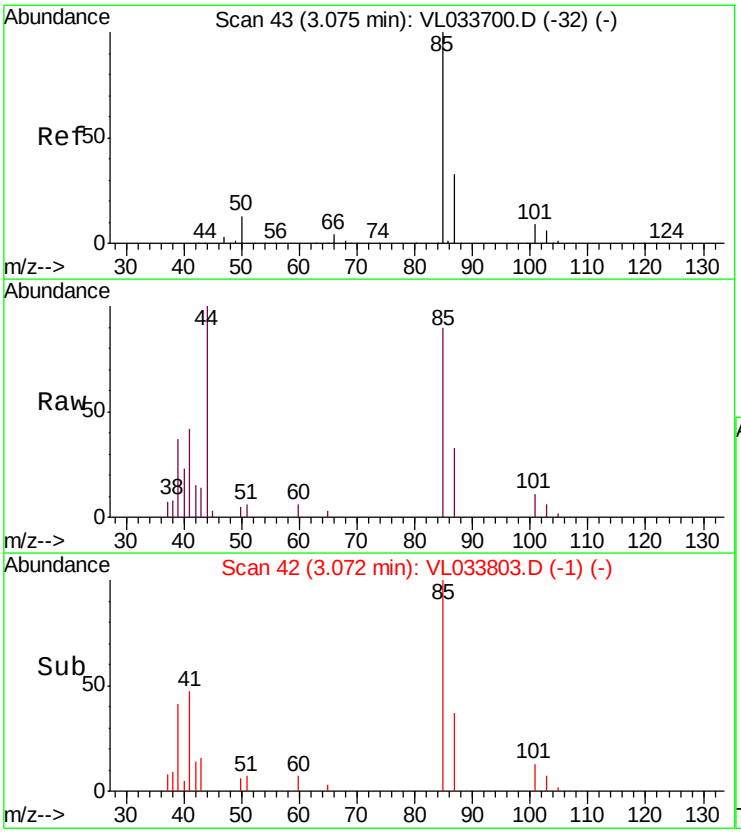
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion: 49 Resp: 1021057

Ion	Ratio	Lower	Upper
49	100		
128	50.9	25.2	75.6
130	66.8	32.5	97.5

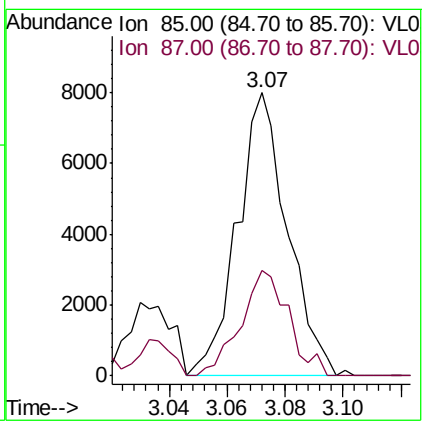


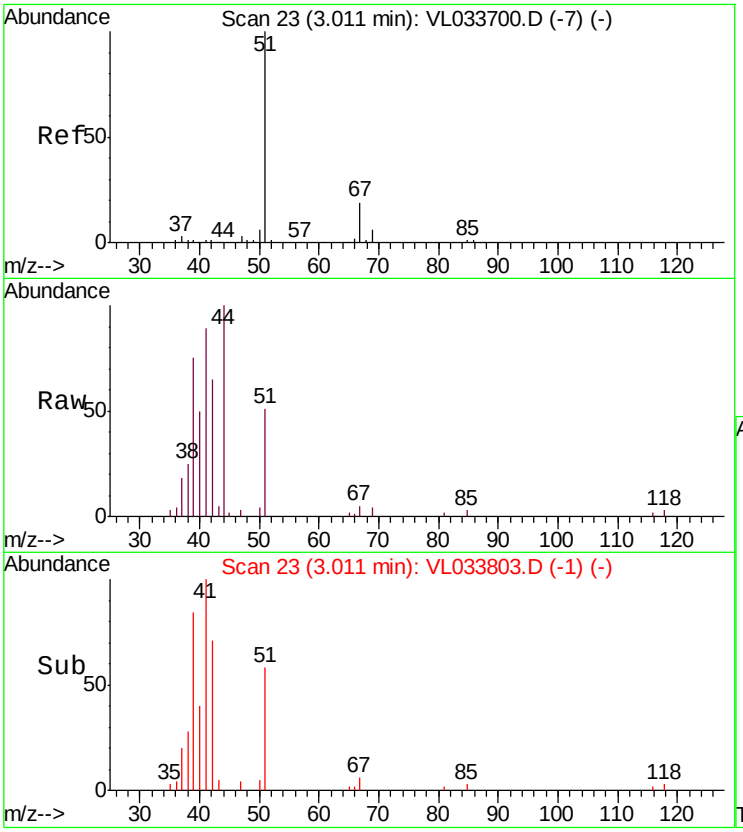


#2
Dichlorodifluoromethane
Concen: 0.044 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 85 Resp: 9545

Ion	Ratio	Lower	Upper
85	100		
87	37.3	26.3	39.5



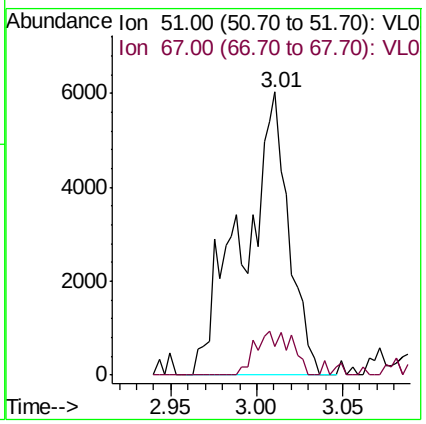


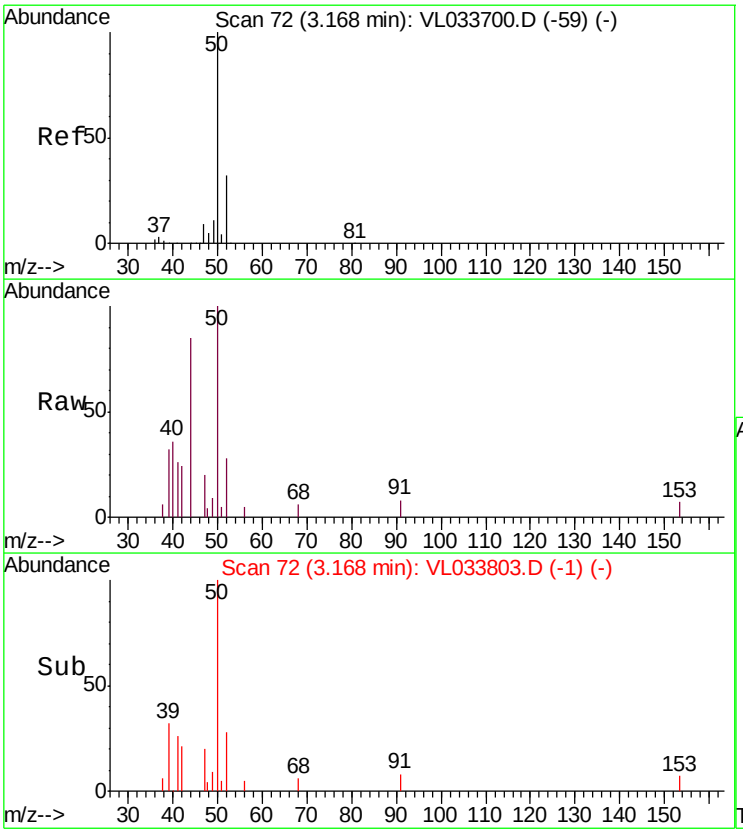
#3
Chlorodifluoromethane
Concen: 0.095 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion: 51 Resp: 11165

Ion	Ratio	Lower	Upper
51	100		
67	13.3	15.6	23.4#

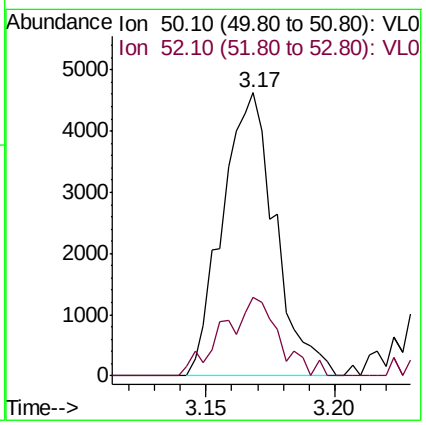


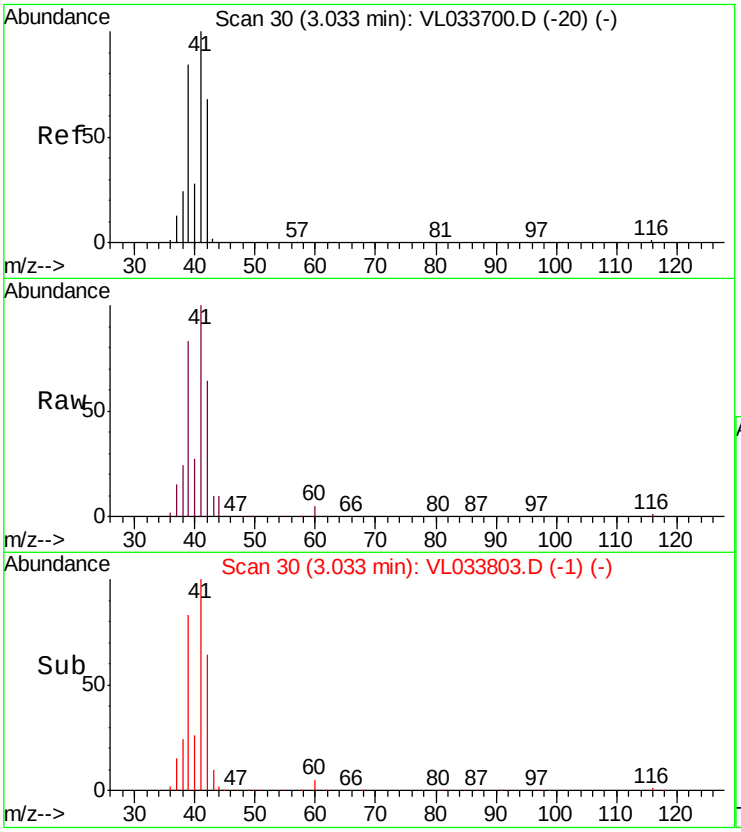


#4
Chloromethane
Concen: 0.099 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 50 Resp: 6610

Ion	Ratio	Lower	Upper
50	100		
52	26.6	25.7	38.5



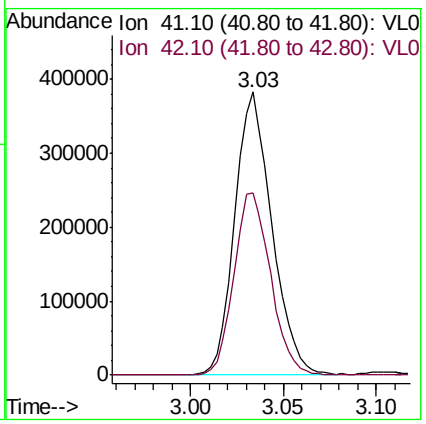


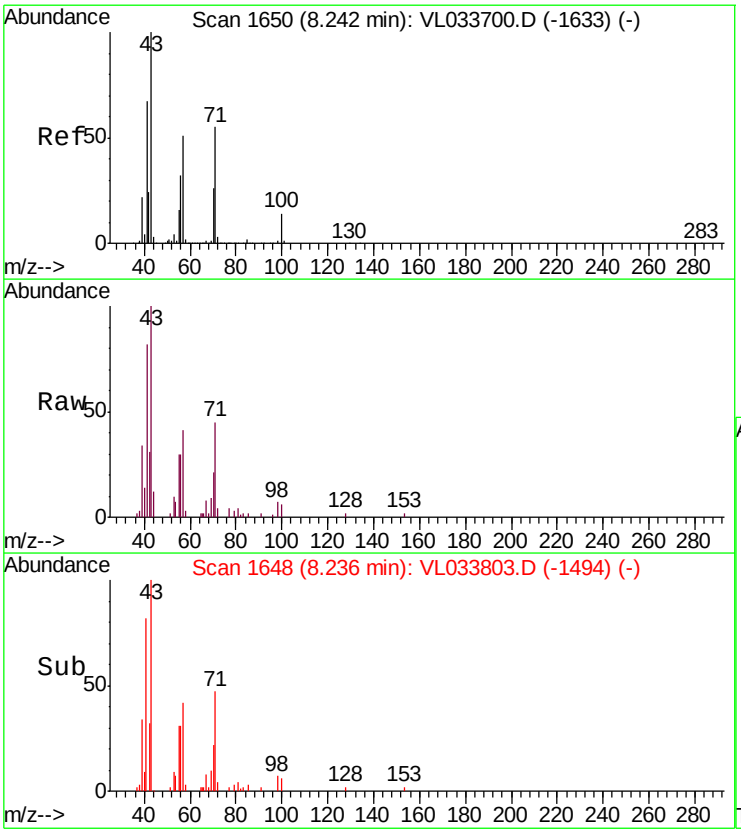
#9
Propene
Concen: 10.691 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion: 41 Resp: 531837

Ion	Ratio	Lower	Upper
41	100		
42	63.9	56.1	84.1

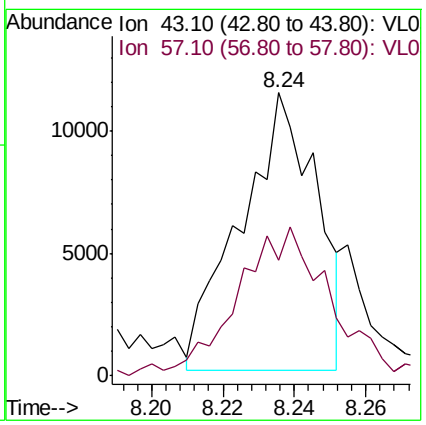


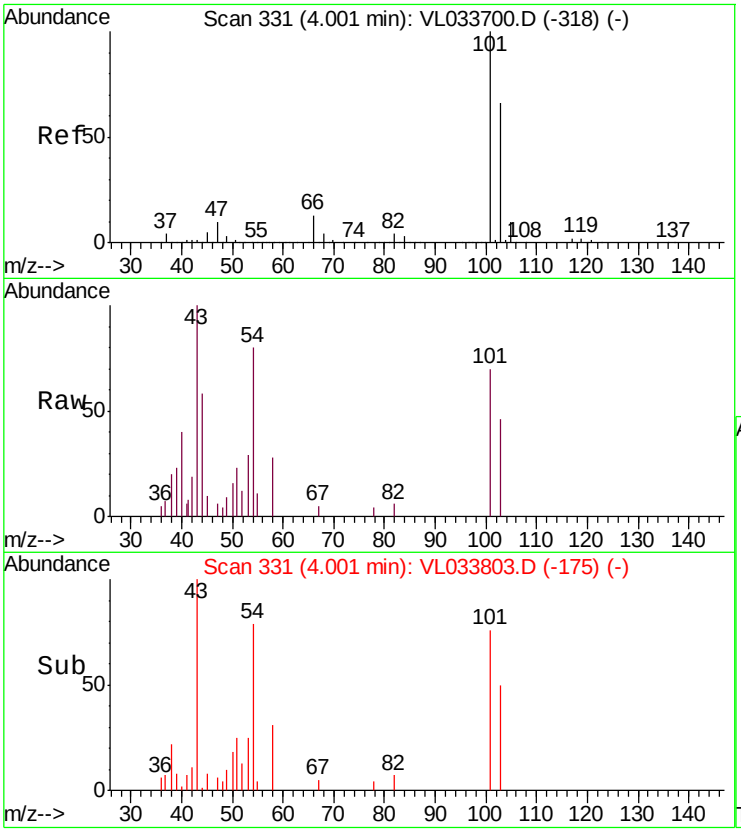


#10
Heptane
Concen: 0.119 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 43 Resp: 16769

Ion	Ratio	Lower	Upper
43	100		
57	67.4	41.4	62.0#



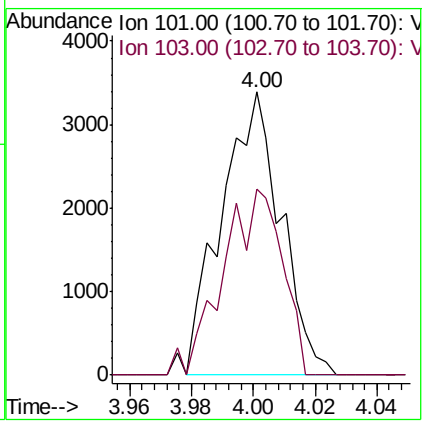


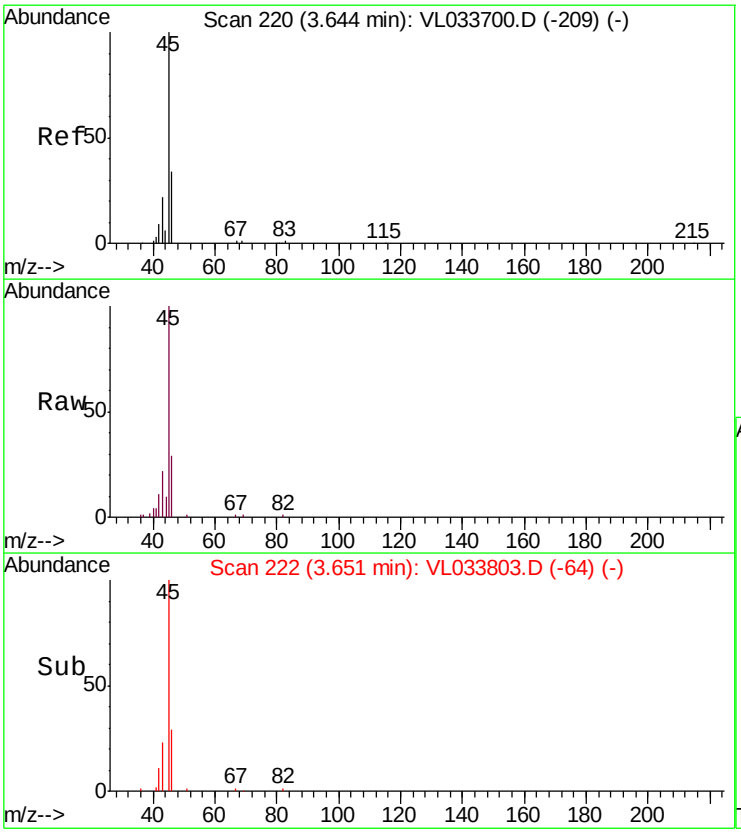
#11
Trichlorofluoromethane
Concen: 0.022 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion:101 Resp: 4533

Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.6	78.8

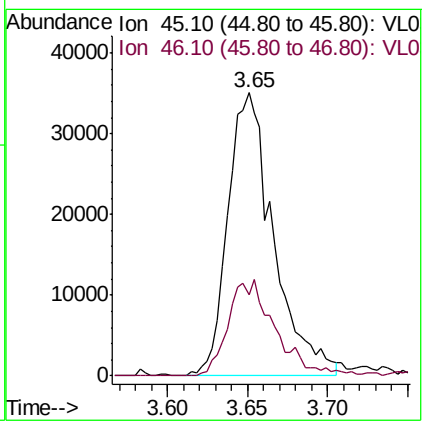


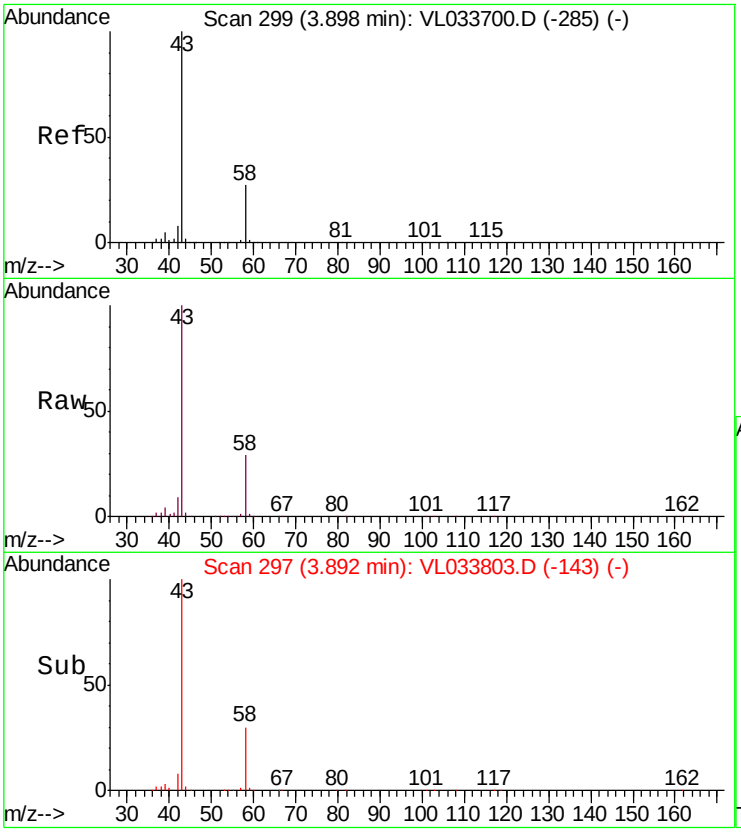


#13
Ethanol
Concen: 4.237 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 45 Resp: 68123

Ion	Ratio	Lower	Upper
45	100		
46	36.3	14.8	59.0



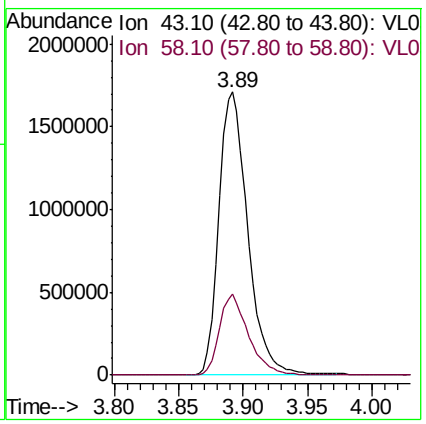


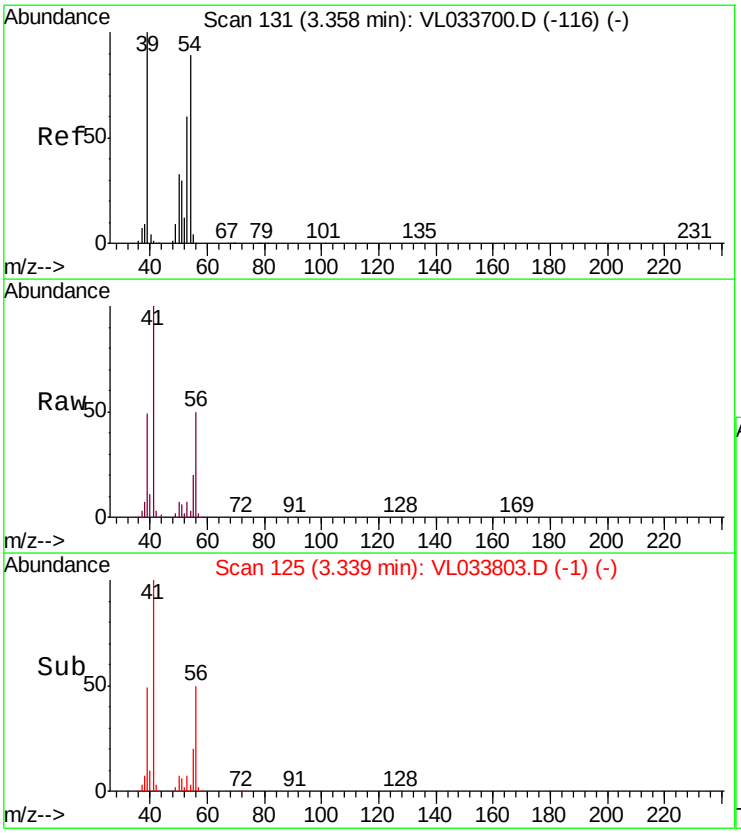
#15
Acetone
Concen: 18.754 ppbv
RT: 3.89 min Scan# 297
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion: 43 Resp: 2656777

Ion	Ratio	Lower	Upper
43	100		
58	29.2	21.3	31.9

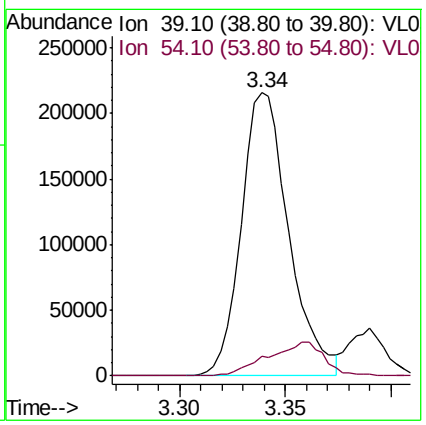


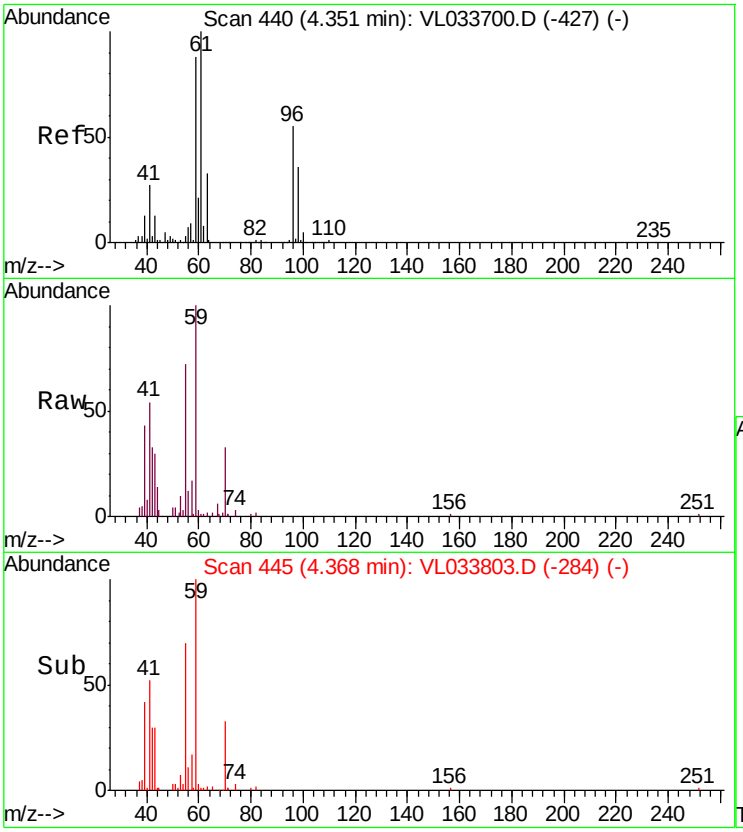


#16
1,3-Butadiene
Concen: 5.967 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 39 Resp: 336607

Ion	Ratio	Lower	Upper
39	100		
54	14.5	69.0	103.6#



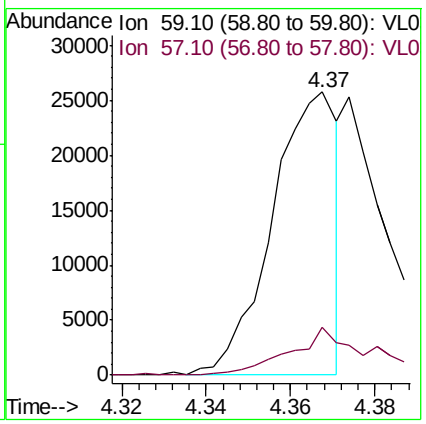


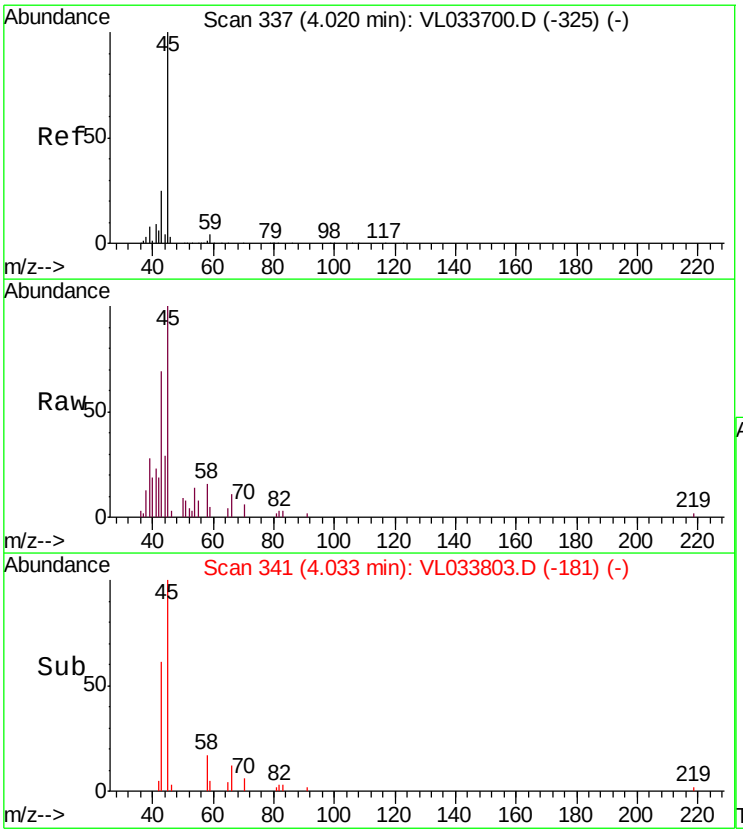
#17
tert-Butyl alcohol
Concen: 0.242 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.02 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion: 59 Resp: 27673

Ion	Ratio	Lower	Upper
59	100		
57	22.2	8.4	12.6#

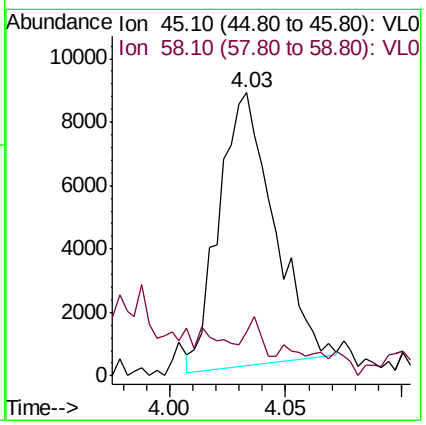


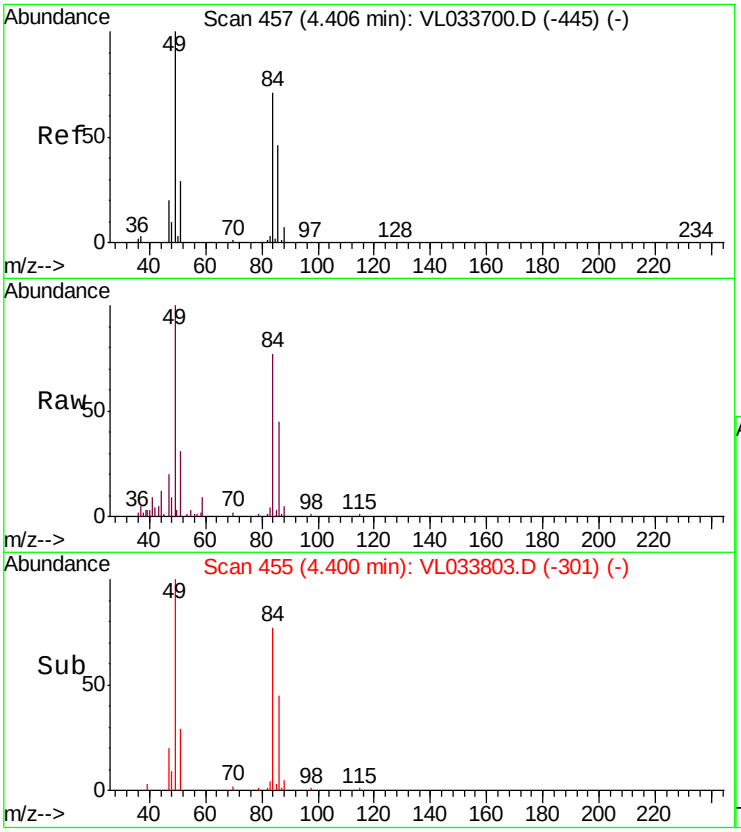


#19
Isopropyl Alcohol
Concen: 0.155 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 45 Resp: 14156

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.6	2.4#



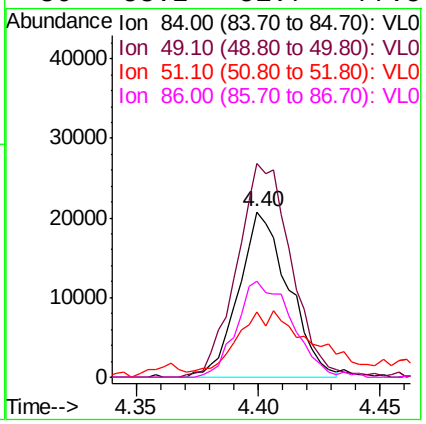


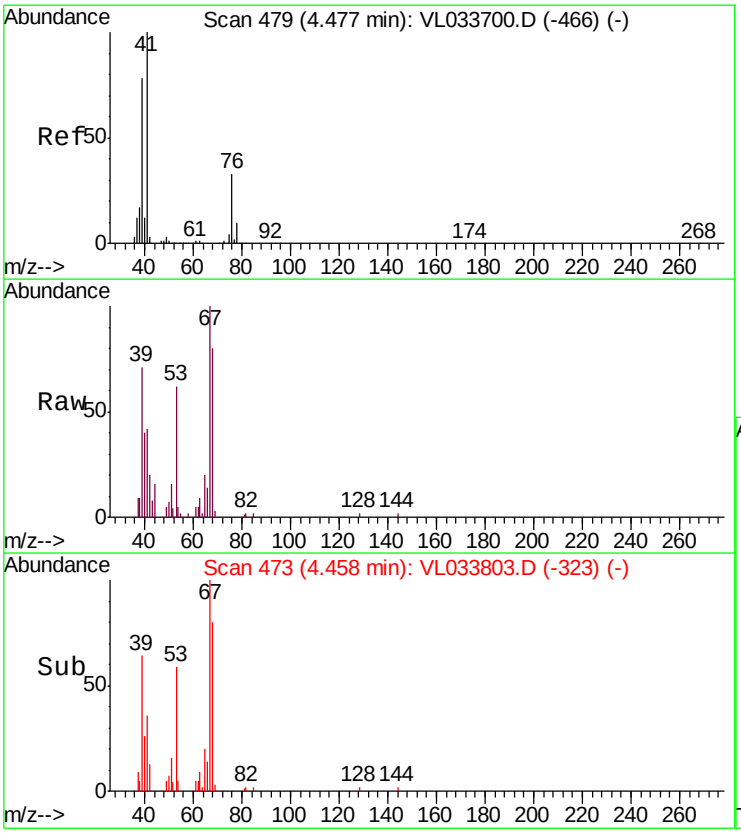
#20
Methylene Chloride
Concen: 0.539 ppbv
RT: 4.40 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion: 84 Resp: 29385

Ion	Ratio	Lower	Upper
84	100		
49	130.9	112.8	169.2
51	36.2	33.4	50.0
86	58.2	51.7	77.5

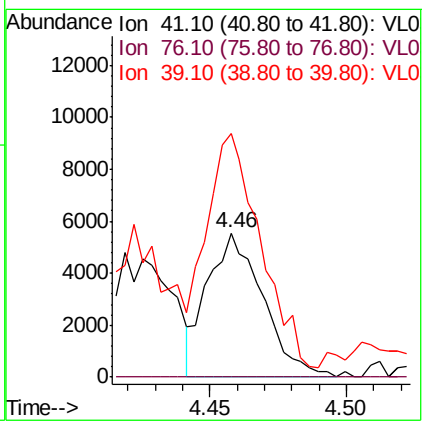


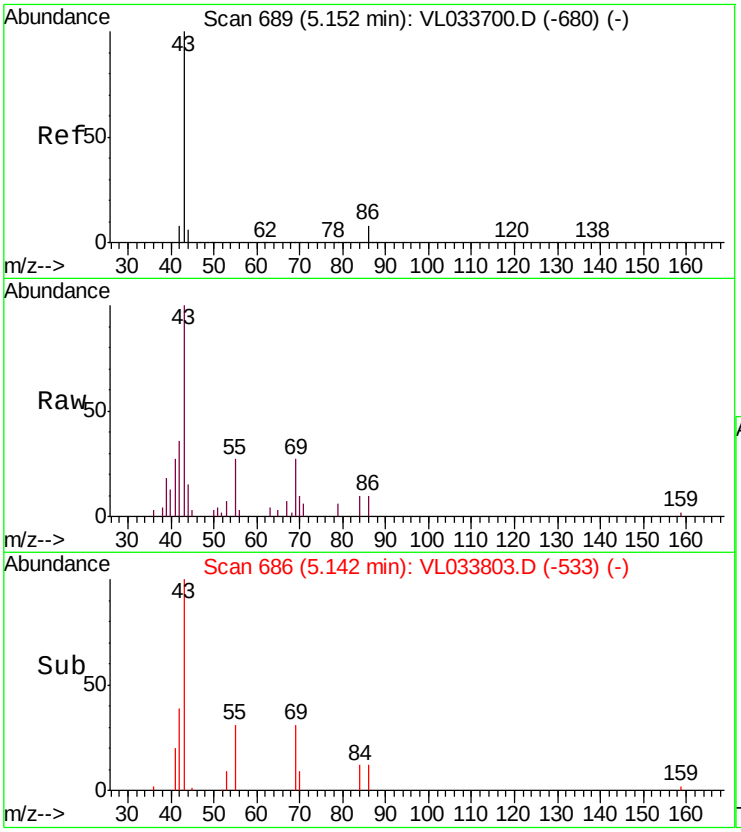


#21
Allyl Chloride
Concen: 0.088 ppbv
RT: 4.46 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 41 Resp: 7808

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.9	38.9#
39	229.4	64.6	97.0#



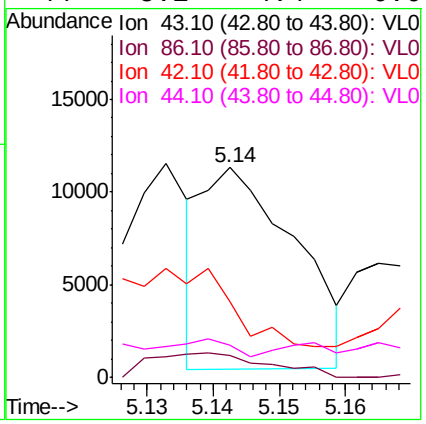


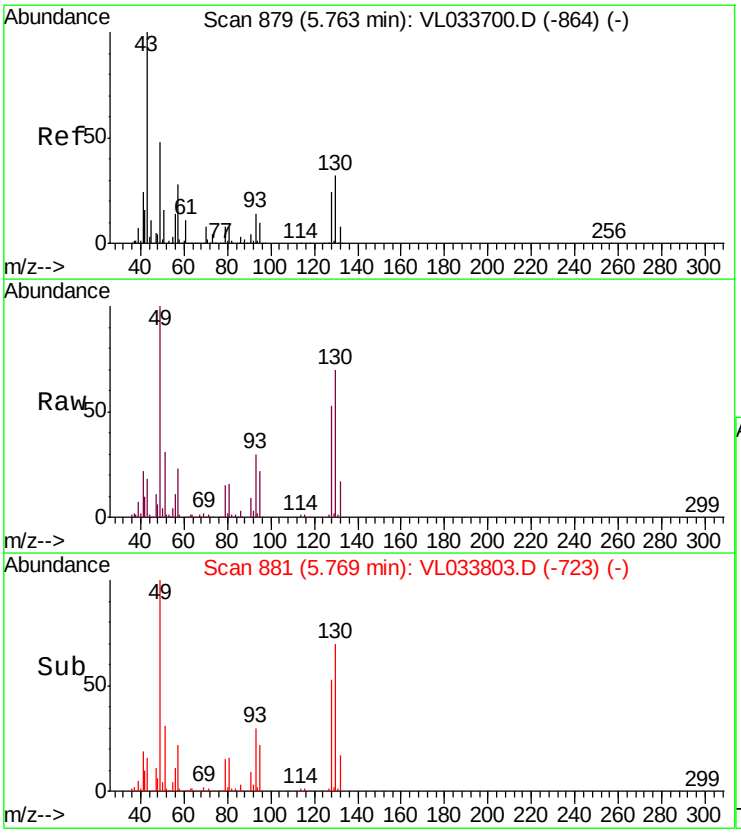
#23
Vinyl Acetate
Concen: 0.056 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3006-55DL

Tgt Ion: 43 Resp: 10525

Ion	Ratio	Lower	Upper
43	100		
86	15.6	6.0	9.0#
42	32.7	7.5	11.3#
44	5.1	4.4	6.6

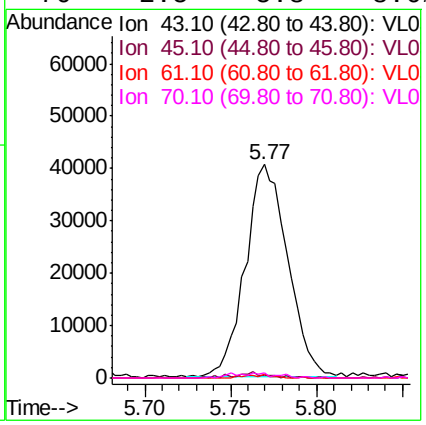


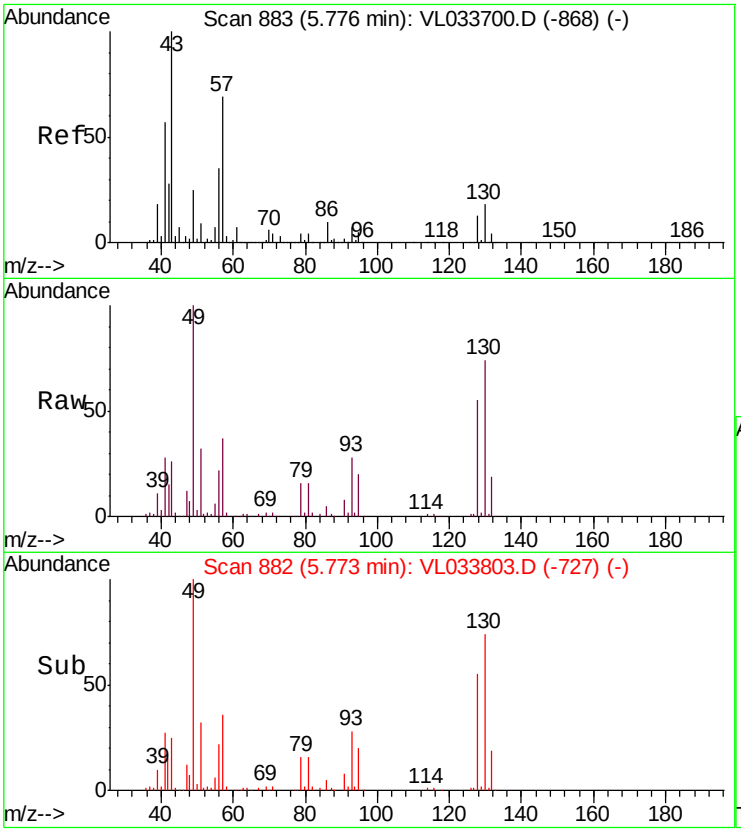


#25
Ethyl Acetate
Concen: 0.279 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 43 Resp: 69526

Ion	Ratio	Lower	Upper
43	100		
45	2.2	7.9	11.9#
61	1.0	7.7	11.5#
70	2.5	5.8	8.6#



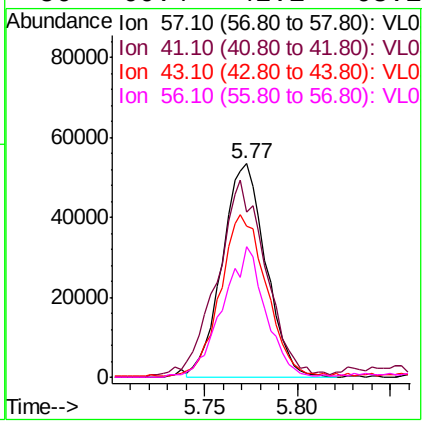


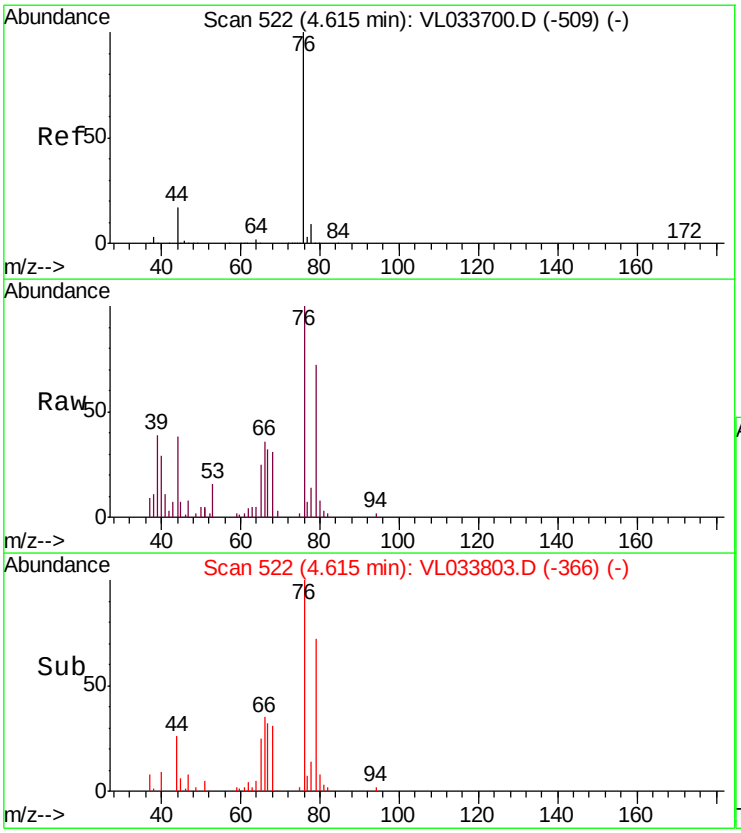
#26
Hexane
Concen: 0.815 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion: 57 Resp: 87178

Ion	Ratio	Lower	Upper
57	100		
41	103.7	69.8	104.6
43	83.5	181.8	272.6#
56	60.4	42.1	63.1

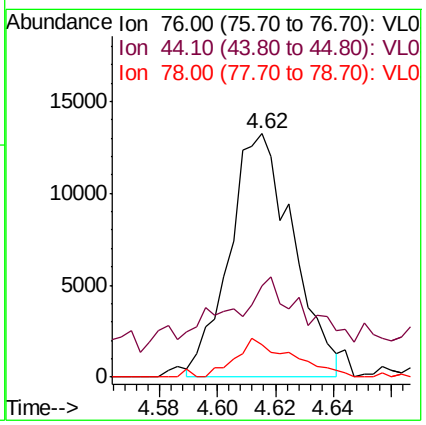


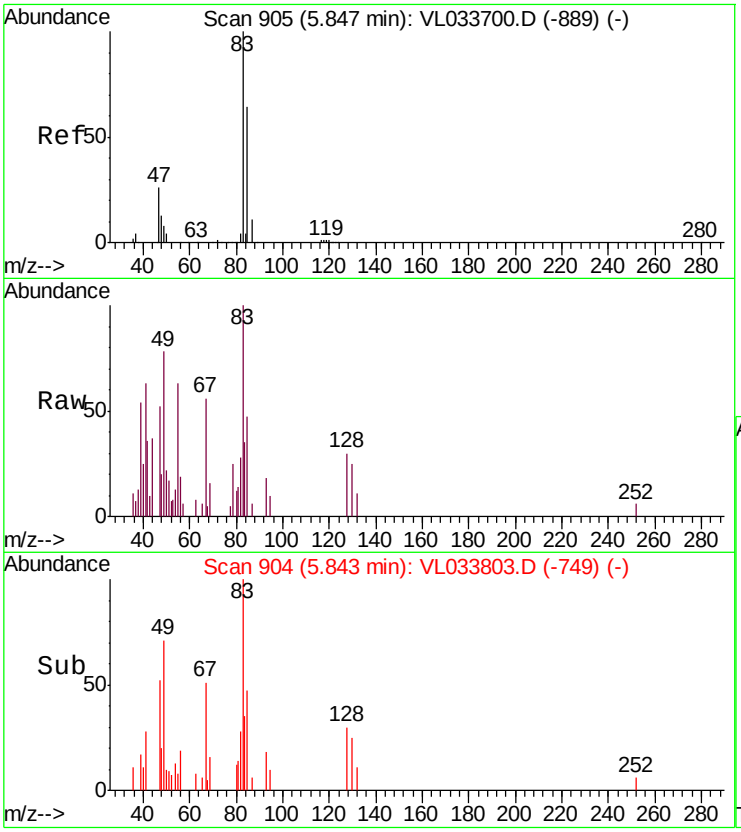


#27
Carbon Disulfide
Concen: 0.137 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 76 Resp: 20118

Ion	Ratio	Lower	Upper
76	100		
44	50.9	13.8	20.8#
78	14.8	7.4	11.0#



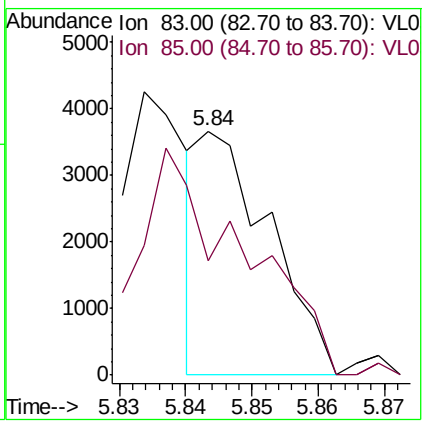


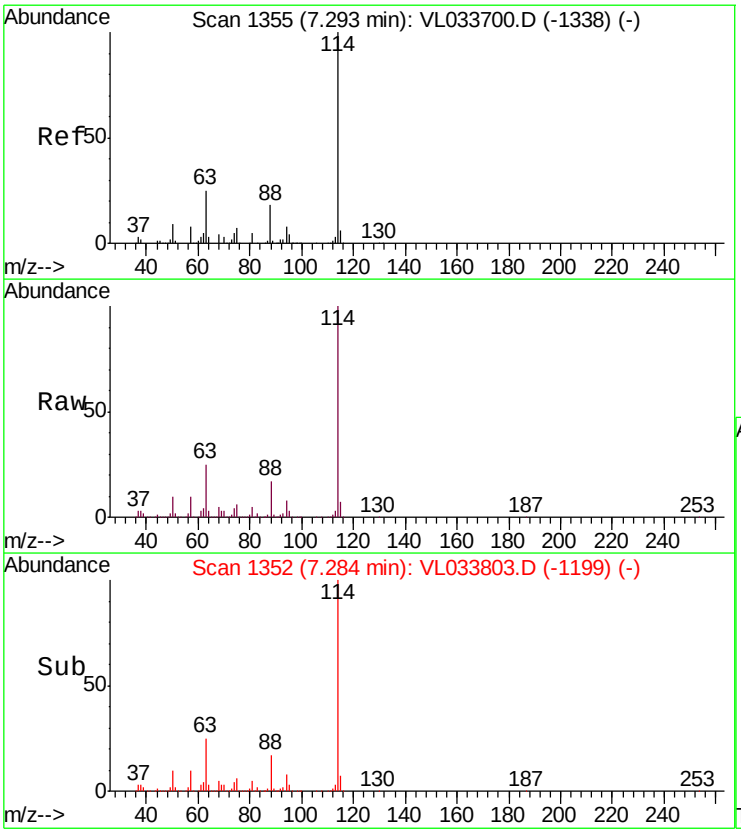
#29
Chloroform
Concen: 0.014 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion: 83 Resp: 2688

Ion	Ratio	Lower	Upper
83	100		
85	46.7	51.5	77.3#

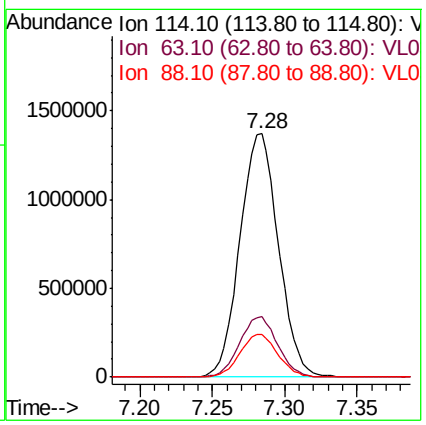


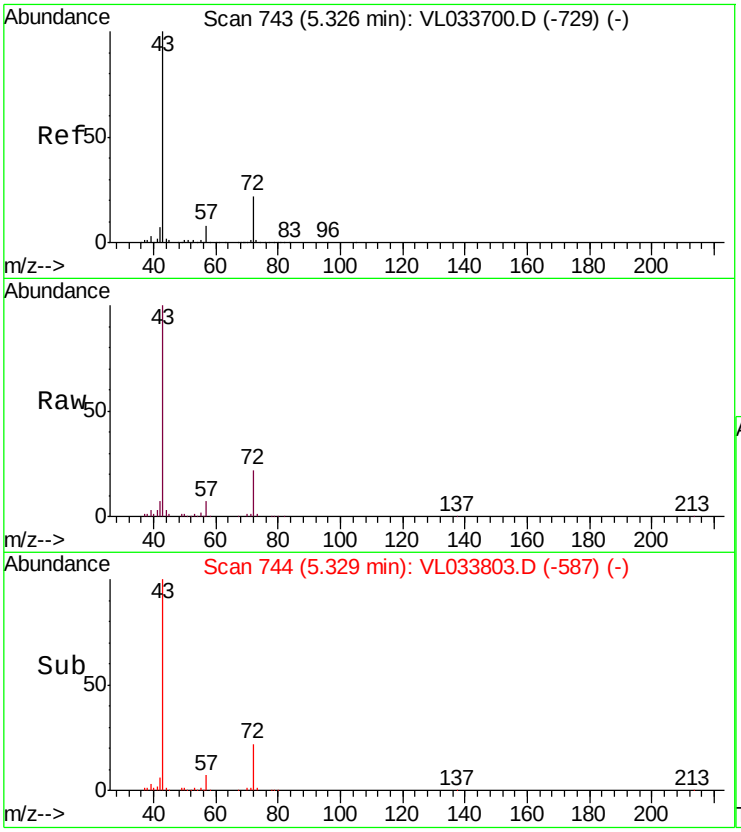


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion:114 Resp: 2535115

Ion	Ratio	Lower	Upper
114	100		
63	24.4	20.9	31.3
88	17.4	14.3	21.5



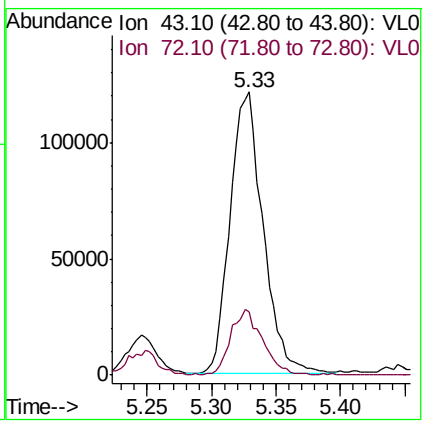


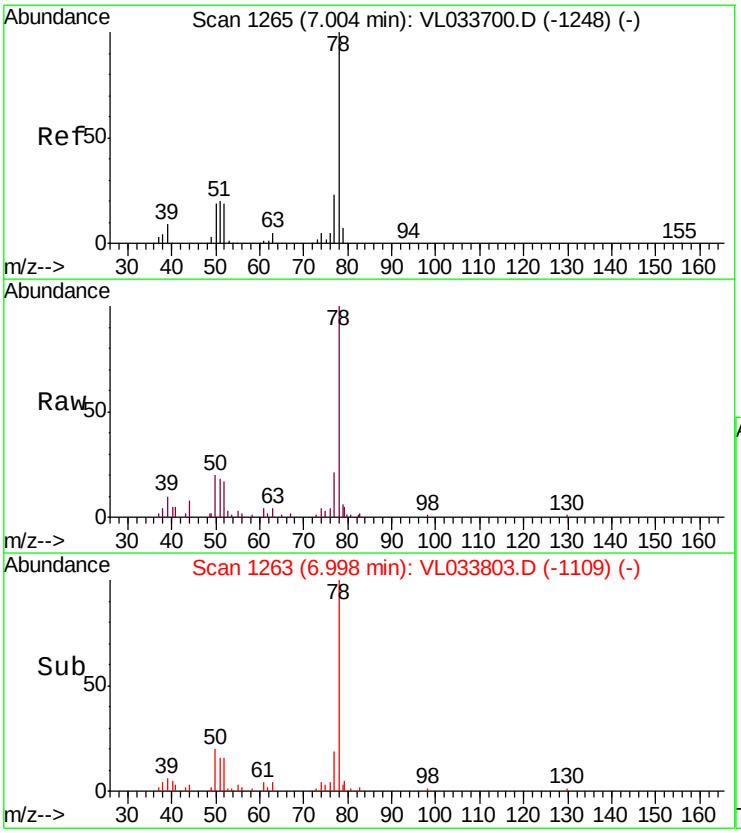
#34
2-Butanone
Concen: 1.379 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion: 43 Resp: 216692

Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.8	26.6

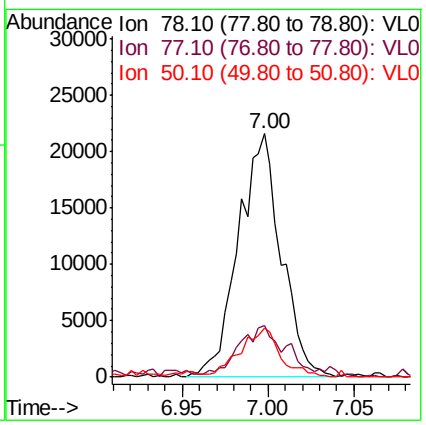


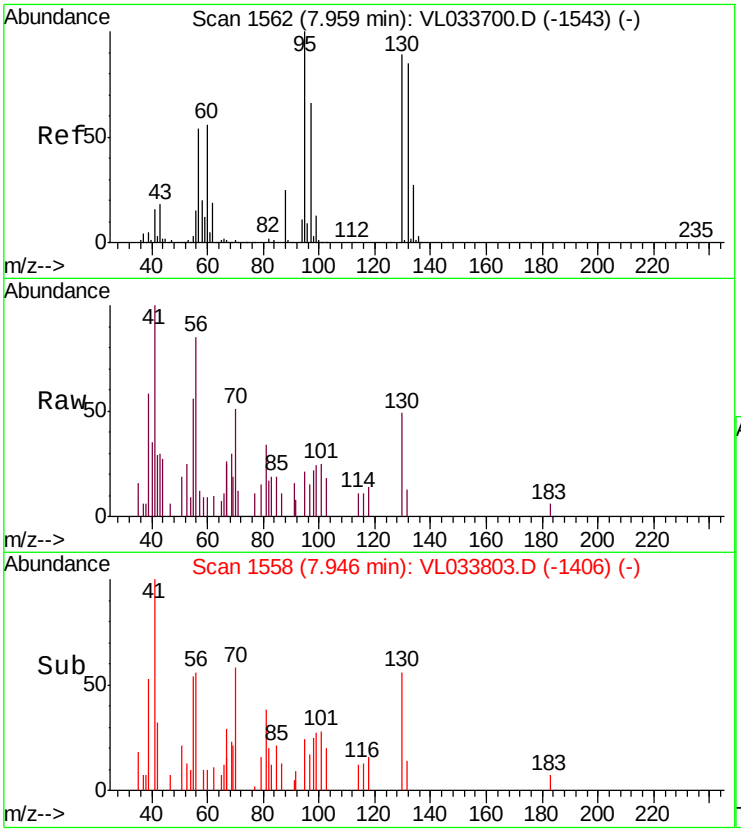


#36
Benzene
Concen: 0.162 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 78 Resp: 37304

Ion	Ratio	Lower	Upper
78	100		
77	18.5	18.4	27.6
50	18.6	15.5	23.3



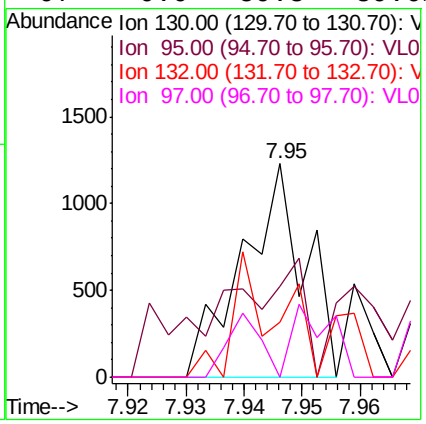


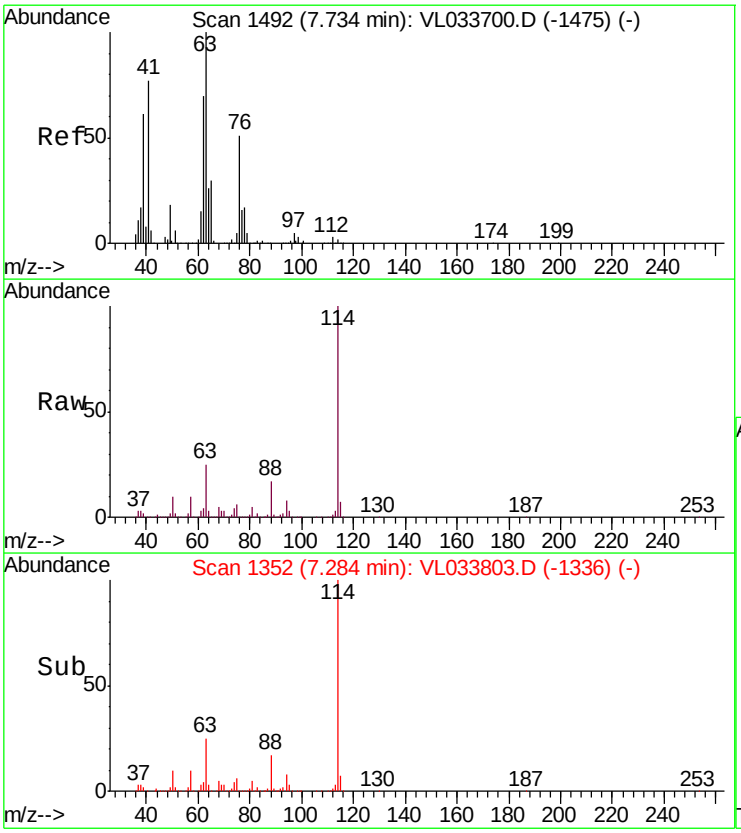
#38
Trichloroethene
Concen: 0.011 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion:130 Resp: 916

Ion	Ratio	Lower	Upper
130	100		
95	14.3	90.2	135.4#
132	25.9	76.4	114.6#
97	0.0	59.8	89.6#

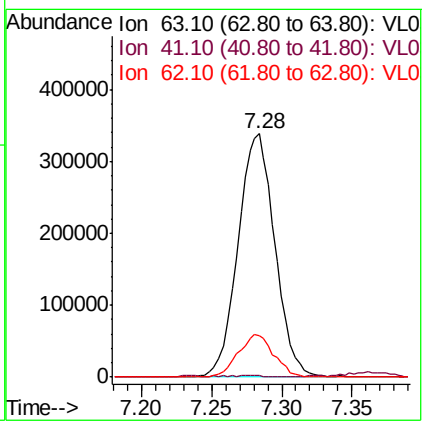


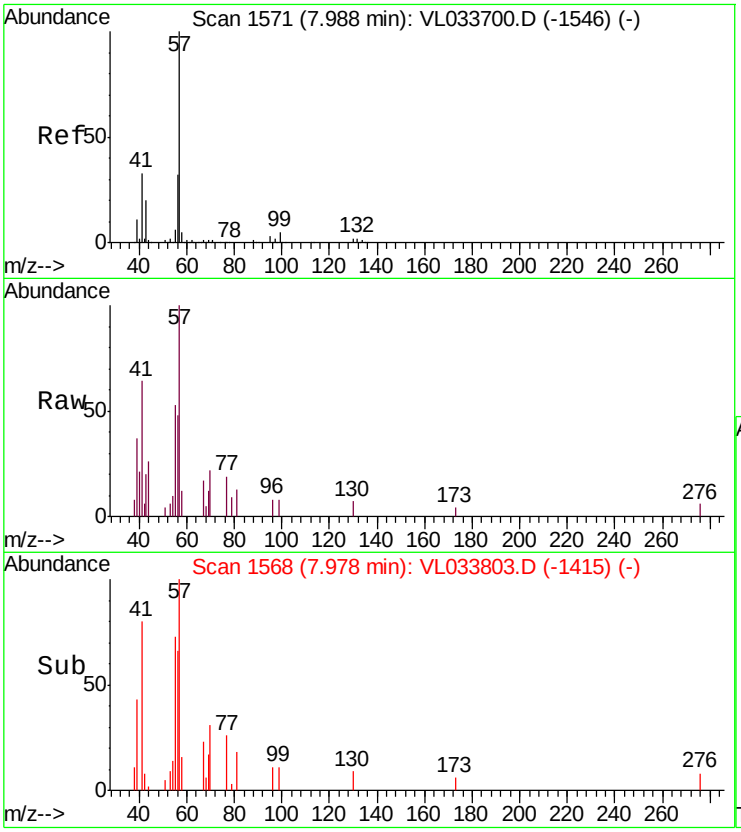


#39
1,2-Dichloropropane
Concen: 7.186 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.45 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 63 Resp: 617796

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	17.2	56.2	84.4#



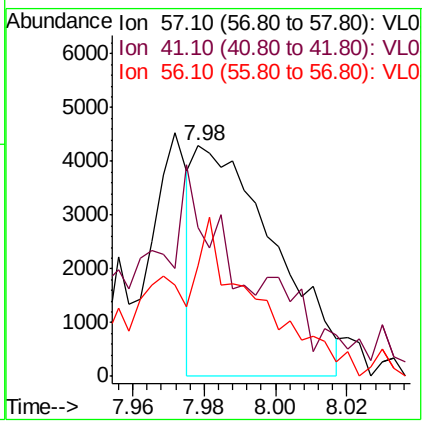


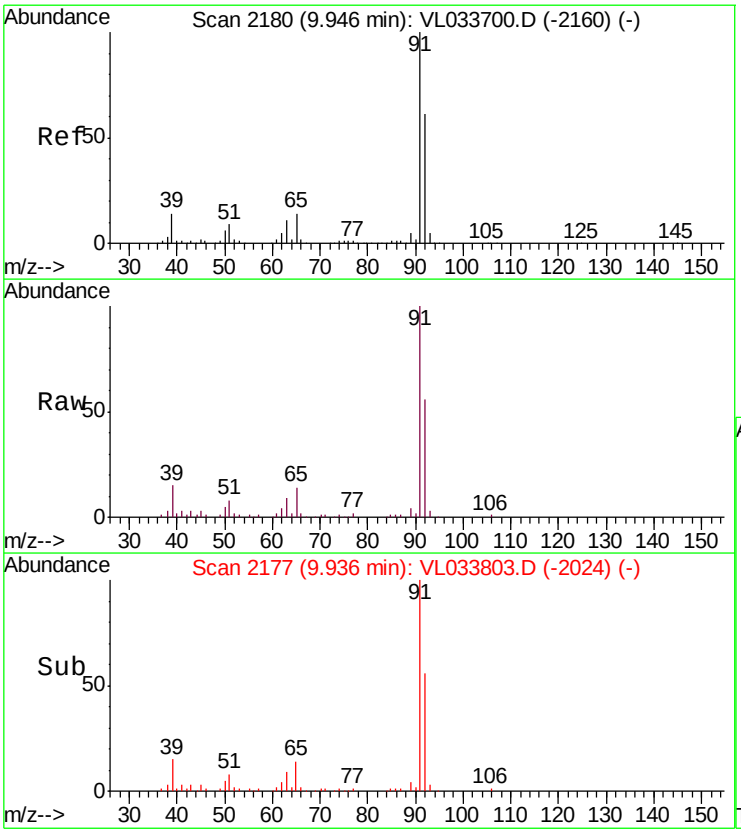
#44
2,2,4-Trimethylpentane
Concen: 0.017 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion: 57 Resp: 6716

Ion	Ratio	Lower	Upper
57	100		
41	111.7	25.4	38.0#
56	84.3	24.7	37.1#

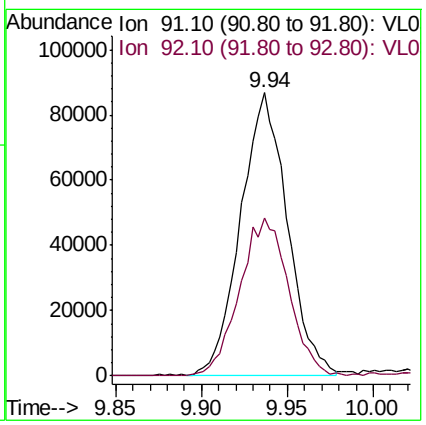


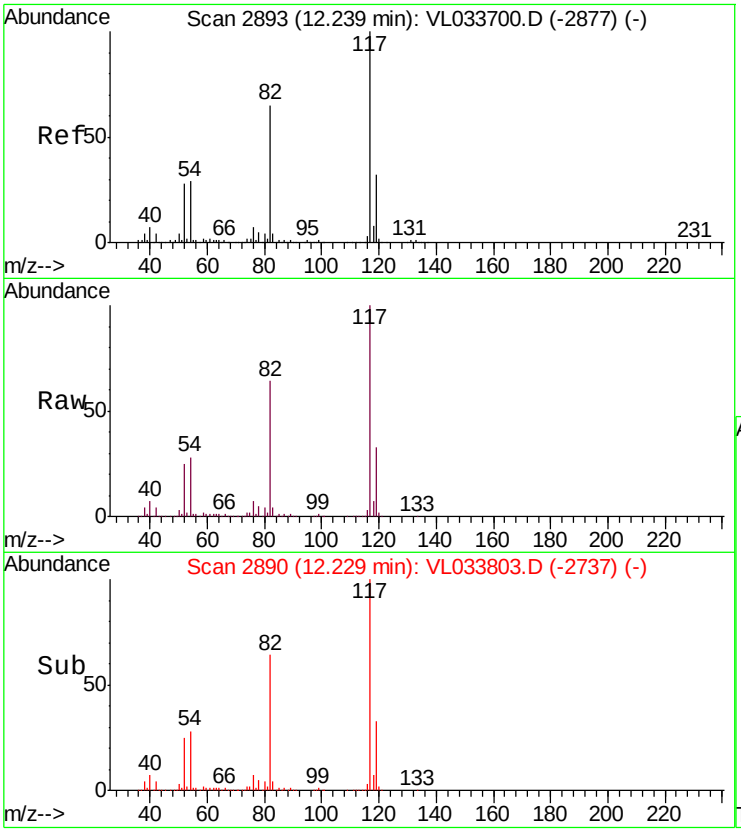


#53
Toluene
Concen: 0.657 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 91 Resp: 163531

Ion	Ratio	Lower	Upper
91	100		
92	58.6	47.6	71.4



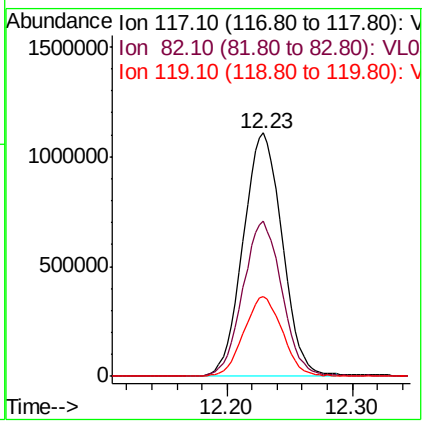


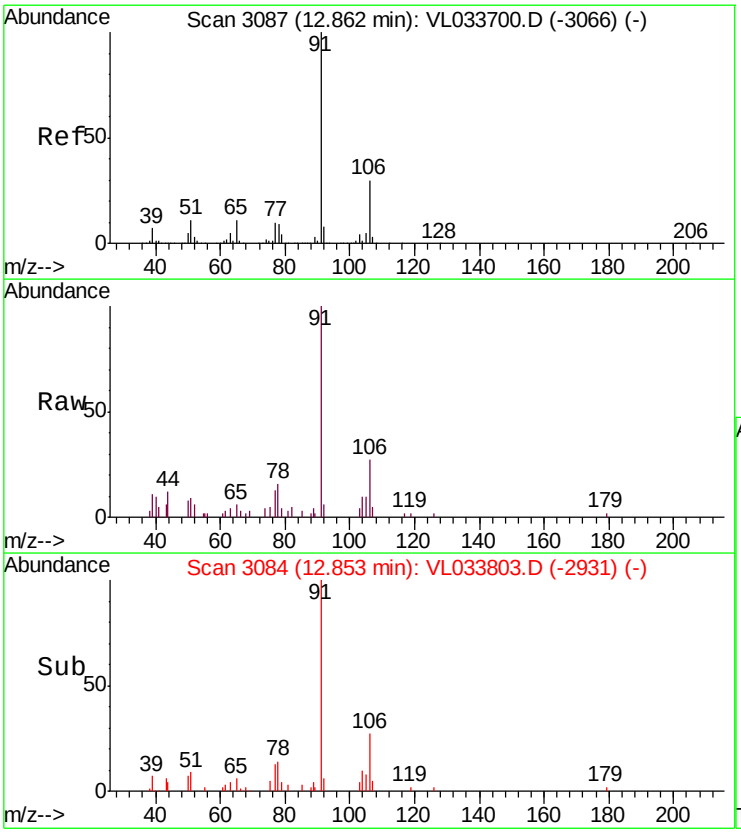
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion:117 Resp: 2405445

Ion	Ratio	Lower	Upper
117	100		
82	64.0	49.4	74.0
119	32.3	24.9	37.3

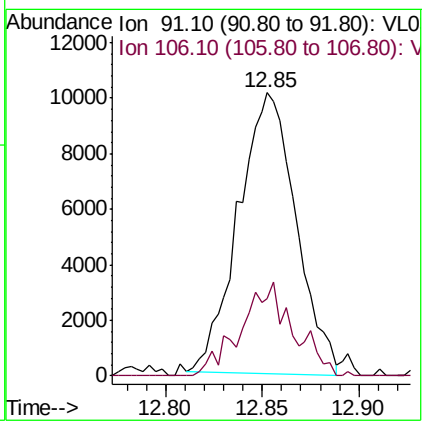


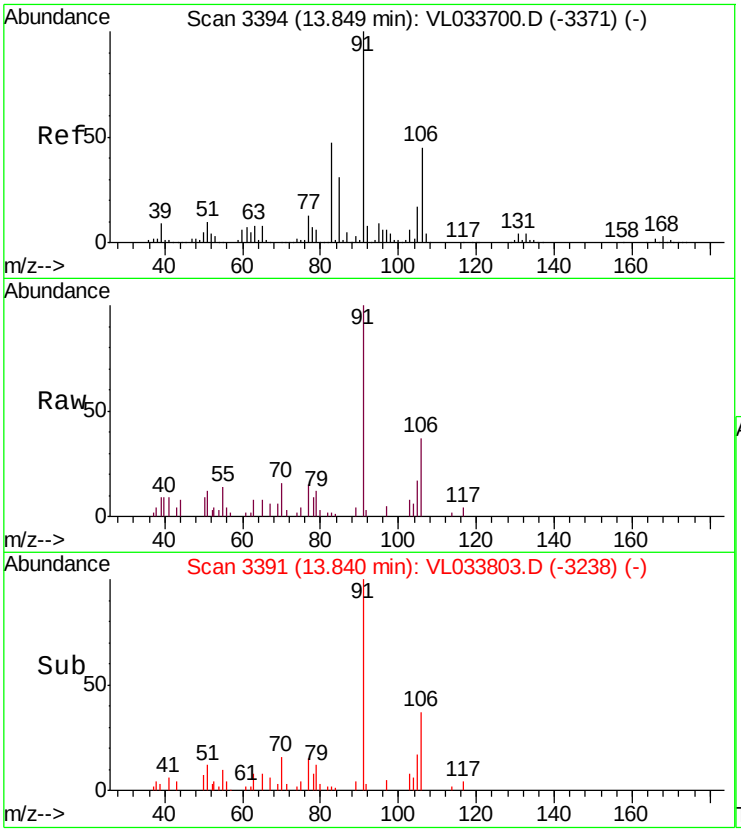


#58
Ethyl Benzene
Concen: 0.066 ppbv
RT: 12.85 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion: 91 Resp: 20993

Ion	Ratio	Lower	Upper
91	100		
106	27.9	23.9	35.9



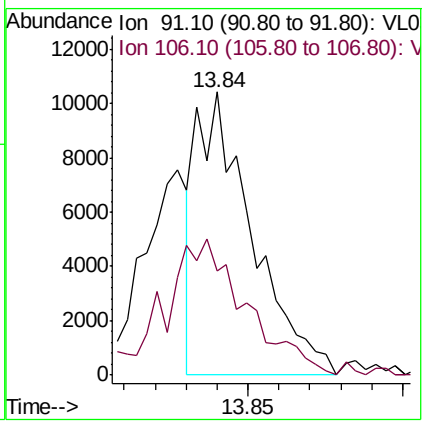


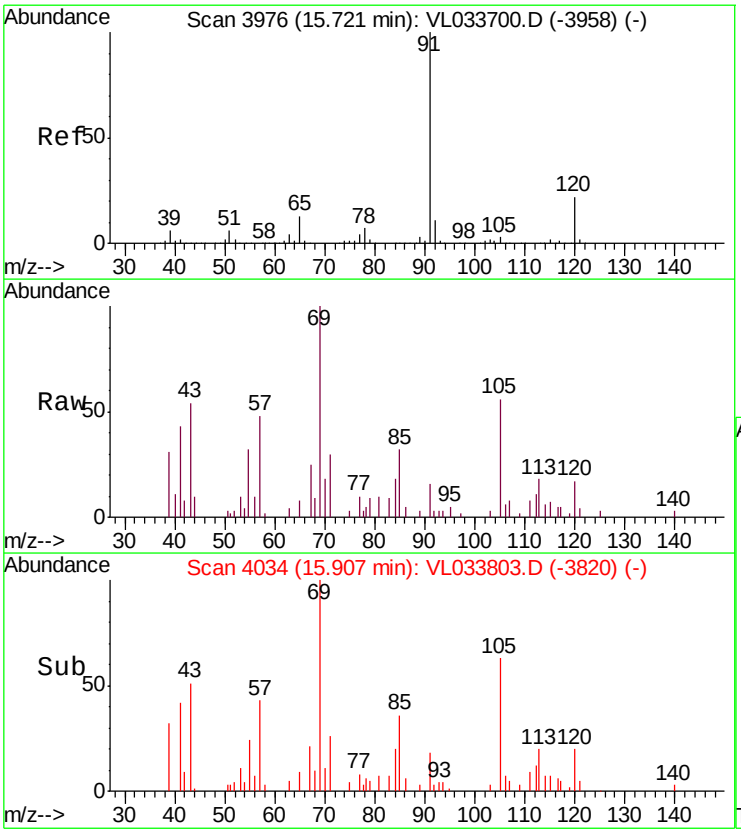
#60
o-Xylene
Concen: 0.046 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion: 91 Resp: 13026

Ion	Ratio	Lower	Upper
91	100		
106	73.4	21.6	64.8#

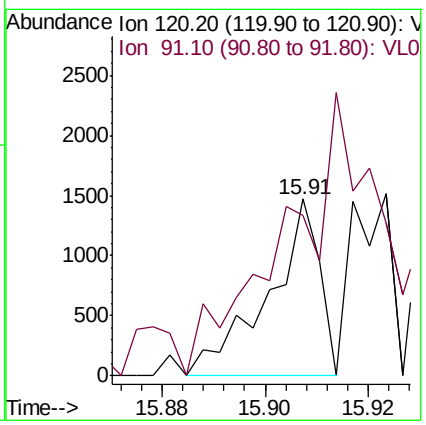


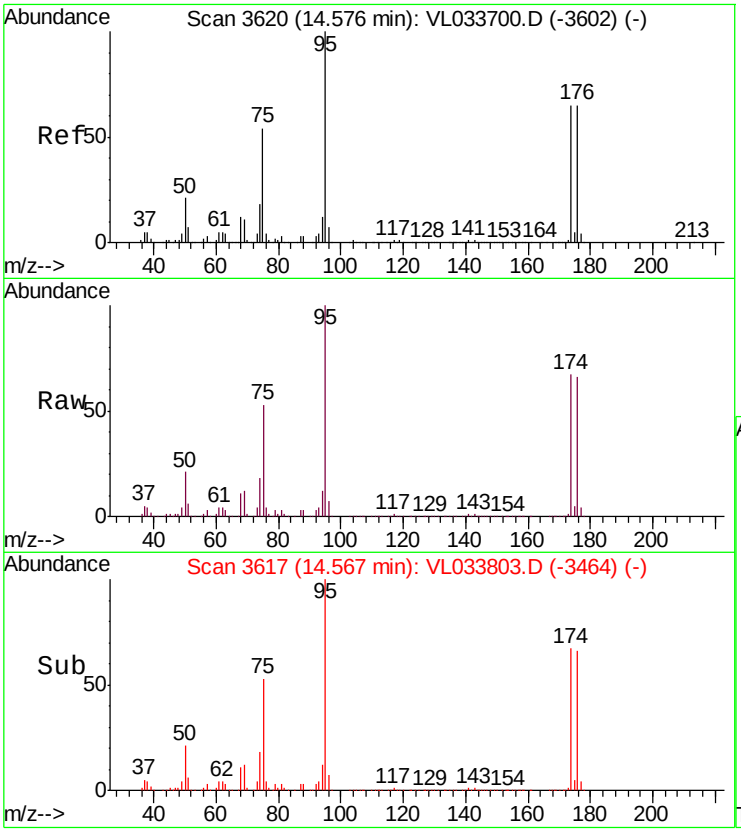


#64
n-propylbenzene
Concen: 0.010 ppbv
RT: 15.91 min Scan# 4034
Delta R.T. 0.19 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion:120 Resp: 1007

Ion	Ratio	Lower	Upper
120	100		
91	398.6	379.1	568.7



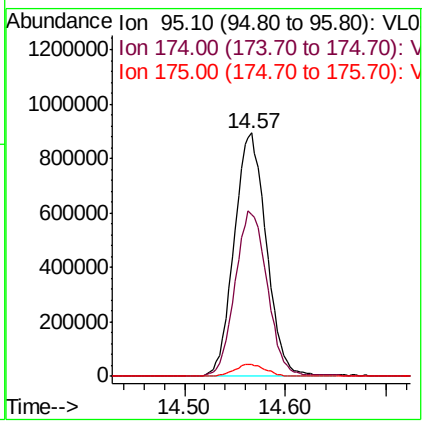


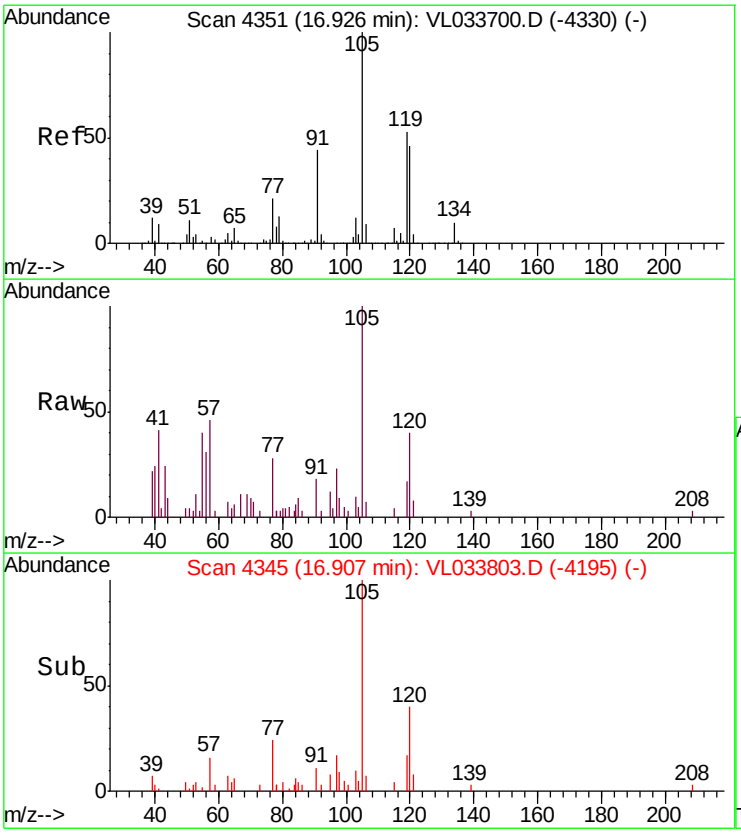
#68
1-Bromo-4-Fluorobenzene
Concen: 10.136 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion: 95 Resp: 1976491

Ion	Ratio	Lower	Upper
95	100		
174	68.6	53.9	80.9
175	5.0	3.8	5.8

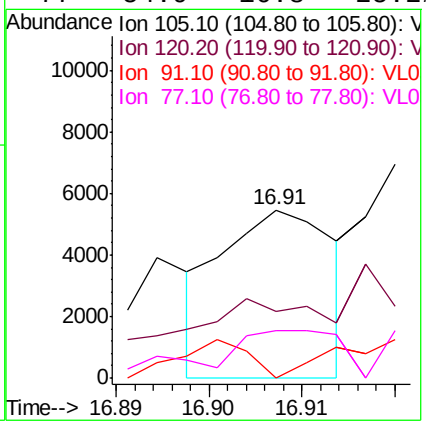


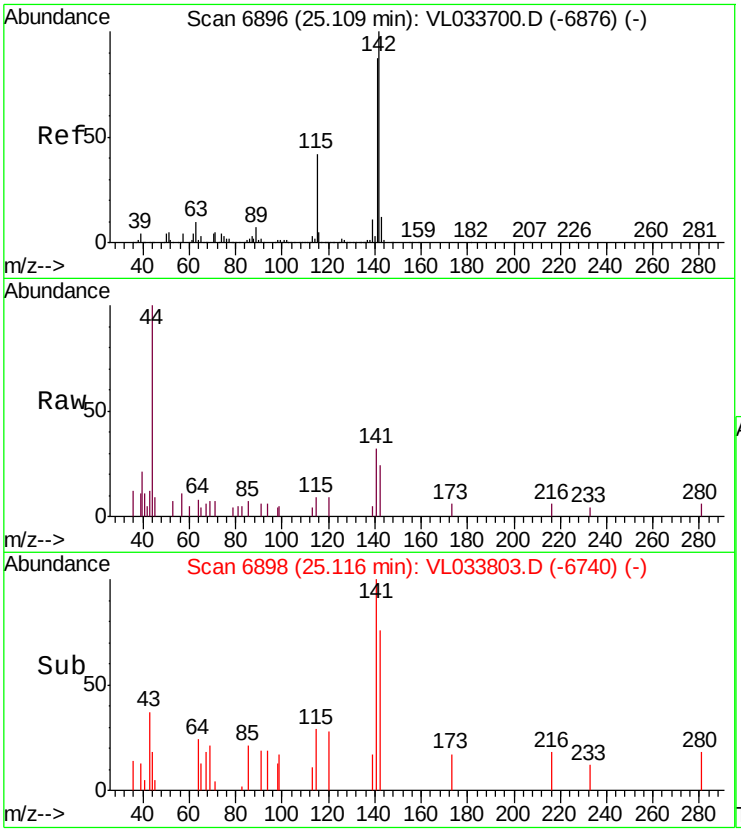


#74
1,2,4-Trimethylbenzene
Concen: 0.013 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.02 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Tgt Ion:105 Resp: 4556

Ion	Ratio	Lower	Upper
105	100		
120	32.6	36.8	55.2#
91	0.0	35.4	53.0#
77	54.9	16.8	25.2#





#80
Naphthalene,2-methyl-
Concen: 0.015 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL033803.D
Acq: 28 May 2019 13:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55DL

Tgt Ion:142 Resp: 1822

Ion	Ratio	Lower	Upper
142	100		
141	83.5	67.2	100.8
115	20.4	34.1	51.1#