Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032499.D
Acq On : 11 Sep 2018 4:39
Operator : SY/AP
Sample : 4820-07DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 255-BERRYDL

Quant Time: Sep 11 05:31:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.81	49	1375542	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.34	114	3375582	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.29	117	3358874	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.62	95	2576676	10.33	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.10	85	11461	0.065	ppbv		96
3) Chlorodifluoromethane	3.37	51	302590	2.430	ppbv	#	61
4) Chloromethane	3.20	50	16431	0.218	ppbv		92
9) Propene	3.06	41	2036322	40.542	ppbv		98
10) Heptane	8.29	43	22209	0.123	ppbv	#	74
11) Trichlorofluoromethane	4.04	101	9600	0.061	ppbv		91
13) Ethanol	3.68	45	438372	27.999	ppbv		99
15) Acetone	3.93	43	4504428	36.364	ppbv	#	65
16) 1,3-Butadiene	3.42	39	59247	1.016	ppbv	#	1
17) tert-Butyl alcohol	4.40	59	148719	7.802	ppbv	#	100
19) Isopropyl Alcohol	4.07	45	8996	0.111	ppbv	#	93
20) Methylene Chloride	4.45	84	13626	0.288	ppbv		95
21) Allyl Chloride	4.40	41	43058	0.523	ppbv	#	23
23) Vinyl Acetate	5.29	43	351654	1.713	ppbv	#	6
25) Ethyl Acetate	5.37	43	19782438	67.627	ppbv	#	76
26) Hexane	5.82	57	56917	0.435	ppbv	#	1
27) Carbon Disulfide	4.66	76	7817	0.065	ppbv	#	47
28) Methyl tert-Butyl Ether	5.29	73	7152	0.044	ppbv	#	1
29) Chloroform	5.90	83	147981	0.741	ppbv		99
34) 2-Butanone	5.37	43	19794687	88.284	ppbv	#	82
36) Benzene	7.05	78	32080	0.112	ppbv		97
39) 1,2-Dichloropropane	7.34	63	847333	6.894	ppbv	#	27
42) Bromodichloromethane	7.98	83	9560	0.039	ppbv		86
43) Methyl Methacrylate	8.22	69	6963	0.057	ppbv	#	1
51) 2-Hexanone	10.31	43	4624083	21.254	ppbv	#	99
53) Toluene	10.00	91	71113	0.237	ppbv		98
58) Ethyl Benzene	12.91	91	44231	0.110	ppbv		93
59) m/p-Xylene	13.17	91	124434	0.347	ppbv		97
60) o-Xylene	13.90	91	38181	0.108	ppbv	#	51
61) Styrene	13.73	104	66490	0.292	ppbv		99
62) Isopropylbenzene	14.87	105	34485	0.070	ppbv	#	49
72) 4-Ethyltoluene	16.04	105	12285	0.032	ppbv	#	60
74) 1,2,4-Trimethylbenzene	16.97	105	47689	0.113	ppbv	#	66

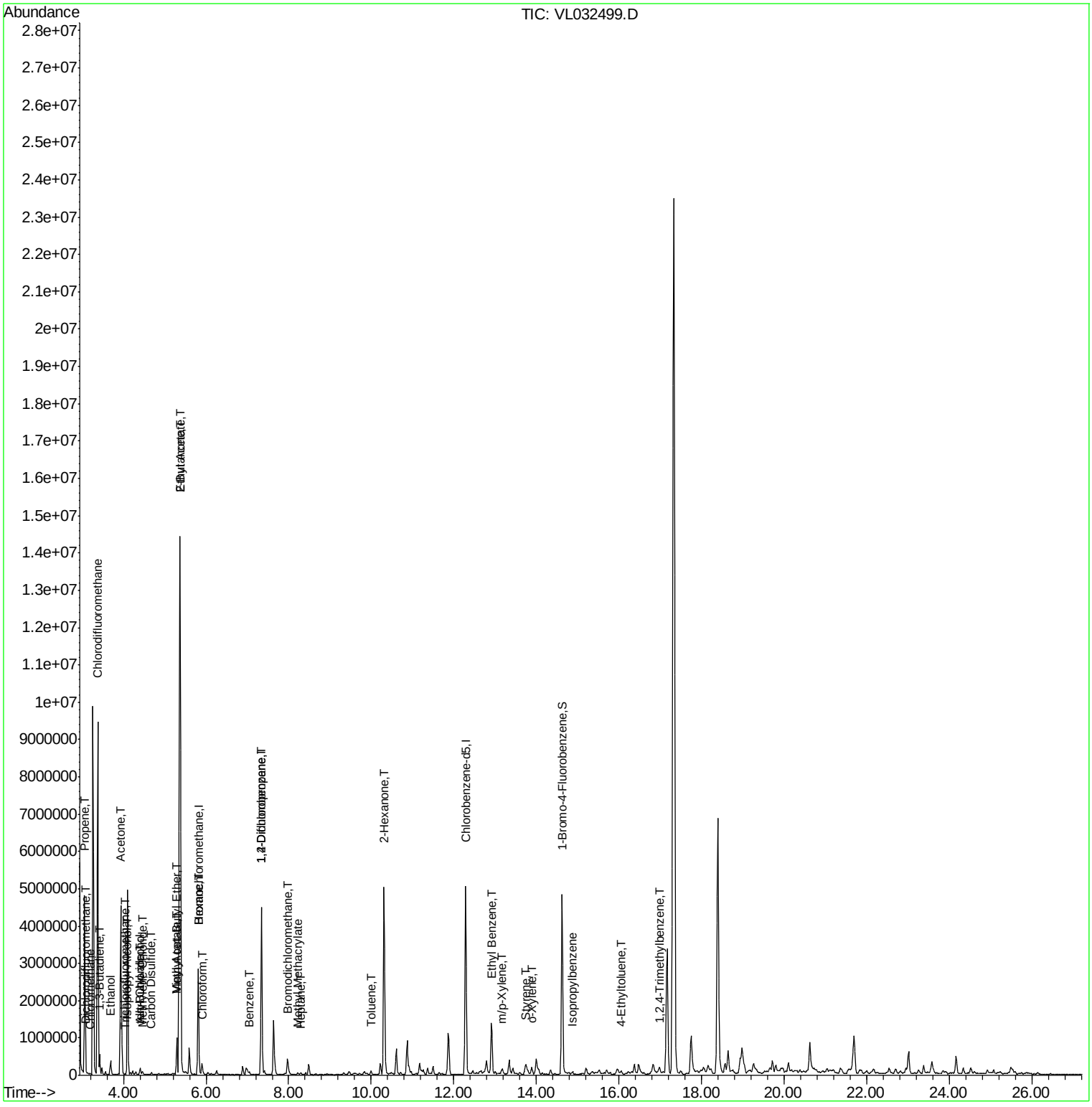
(#) = qualifier out of range (m) = manual integration (+) = signals summed

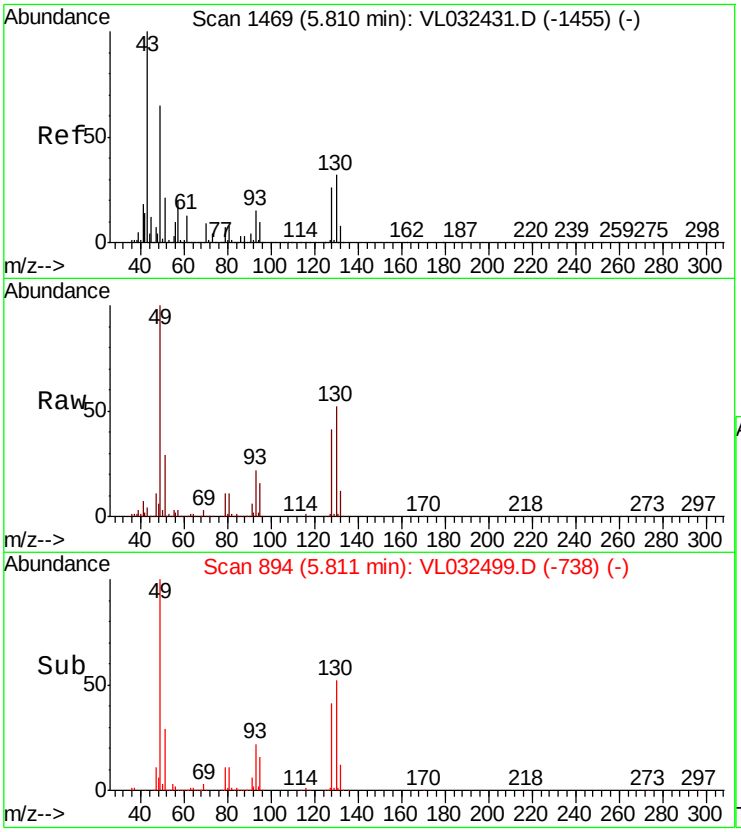
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032499.D
Acq On : 11 Sep 2018 4:39
Operator : SY/AP
Sample : 4820-07DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Quant Time: Sep 11 05:31:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration



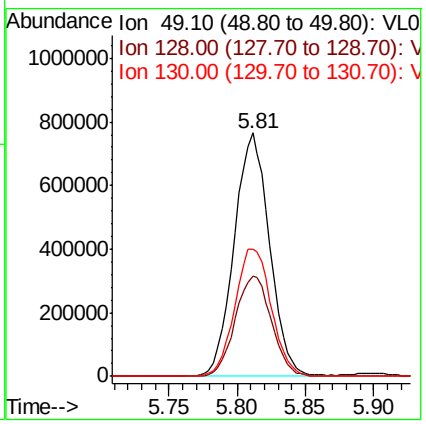


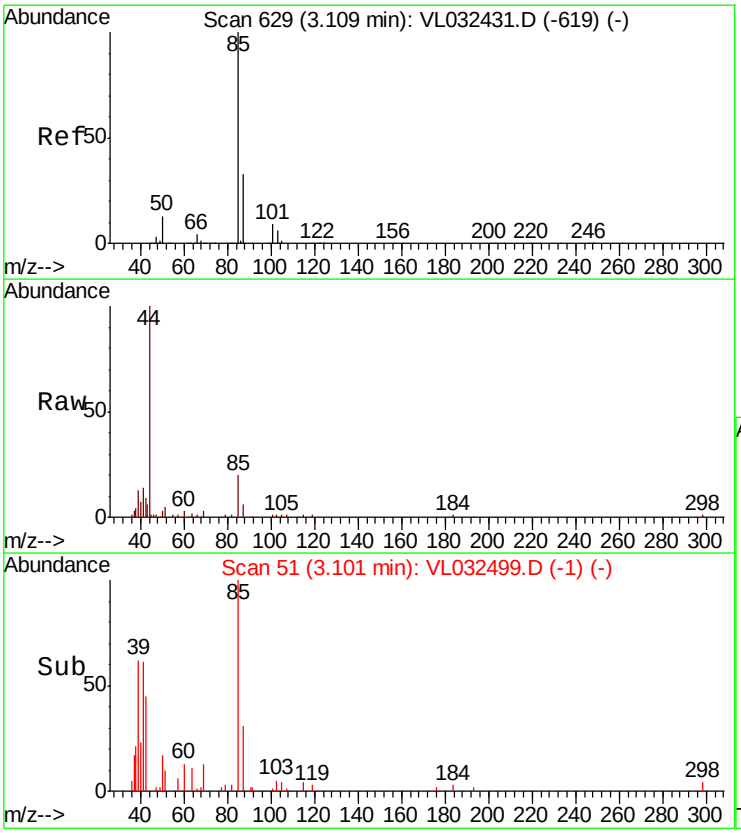
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.81 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tgt Ion: 49 Resp: 1375542

Ion	Ratio	Lower	Upper
49	100		
128	42.5	20.7	62.1
130	54.5	26.6	79.7

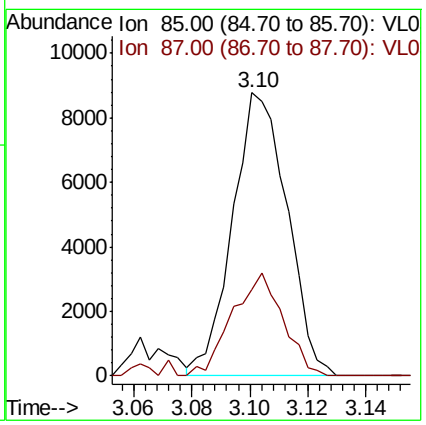


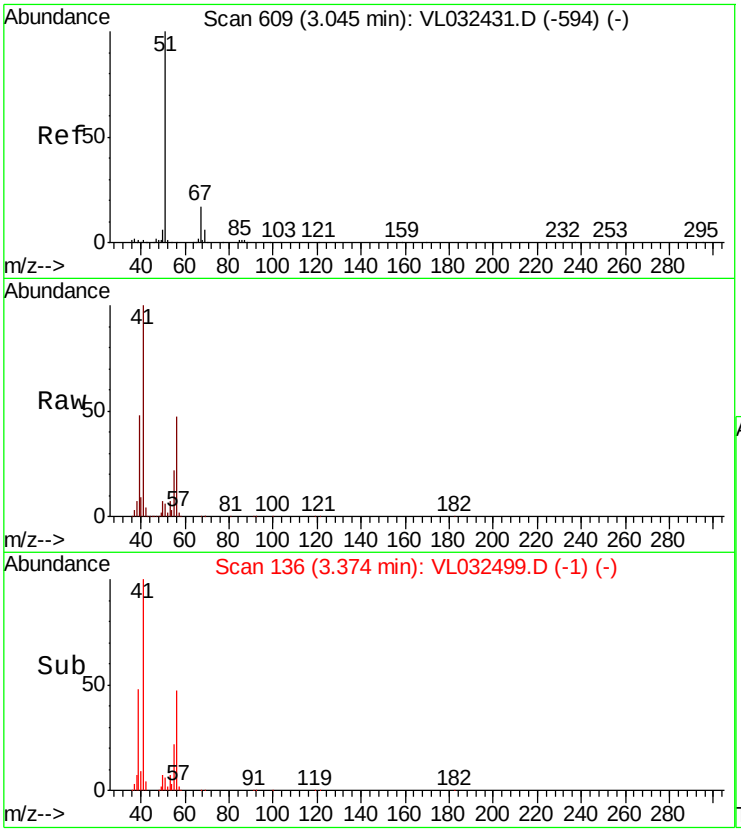


#2
Dichlorodifluoromethane
Concen: 0.065 ppbv
RT: 3.10 min Scan# 51
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 85 Resp: 11461

Ion	Ratio	Lower	Upper
85	100		
87	30.6	26.2	39.4



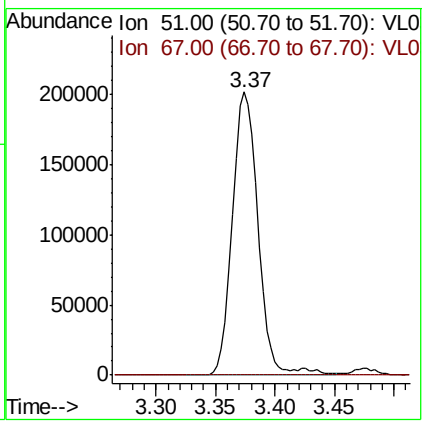


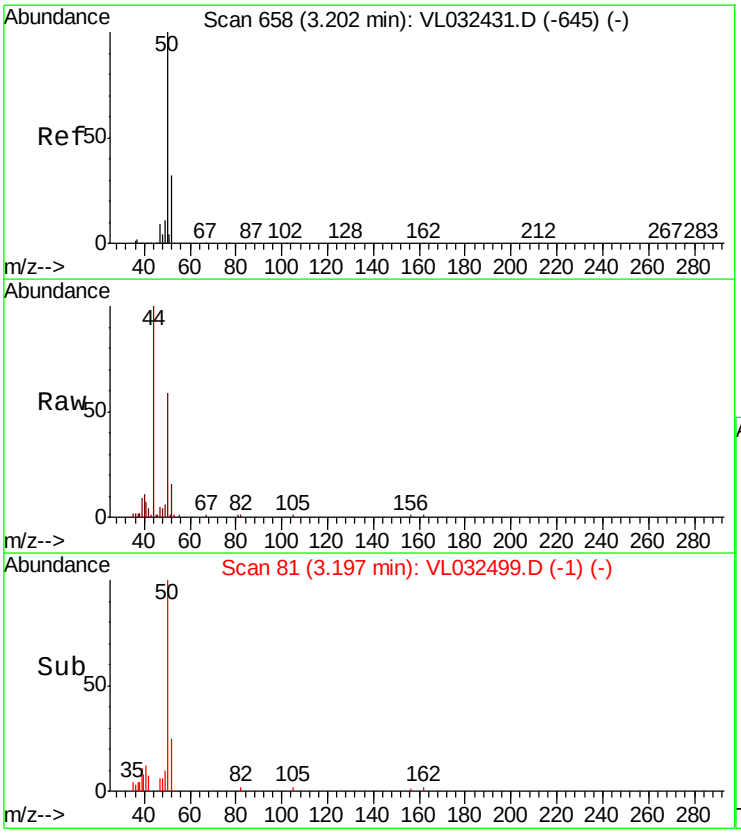
#3
Chlorodifluoromethane
Concen: 2.430 ppbv
RT: 3.37 min Scan# 136
Delta R.T. 0.33 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tgt Ion: 51 Resp: 302590

Ion	Ratio	Lower	Upper
51	100		
67	0.1	13.8	20.8#

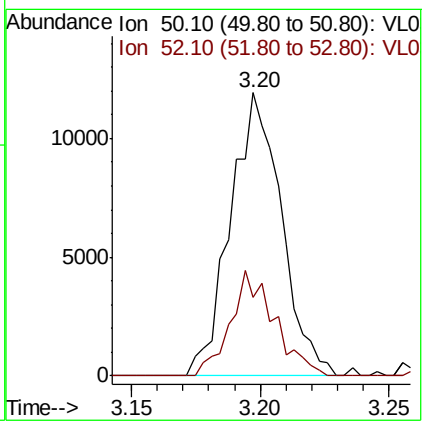


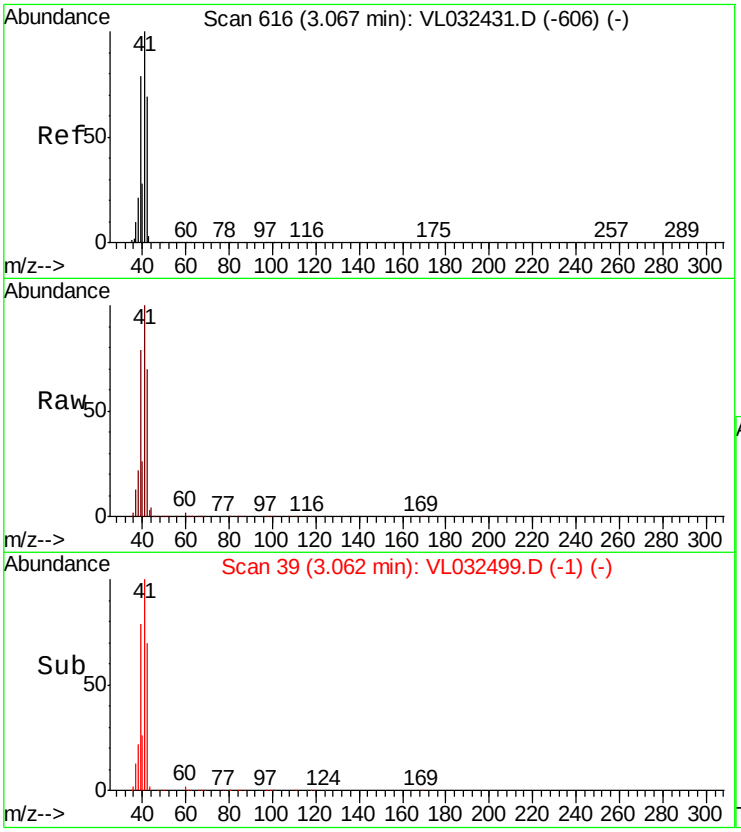


#4
Chloromethane
Concen: 0.218 ppbv
RT: 3.20 min Scan# 81
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 50 Resp: 16431

Ion	Ratio	Lower	Upper
50	100		
52	27.8	25.6	38.4



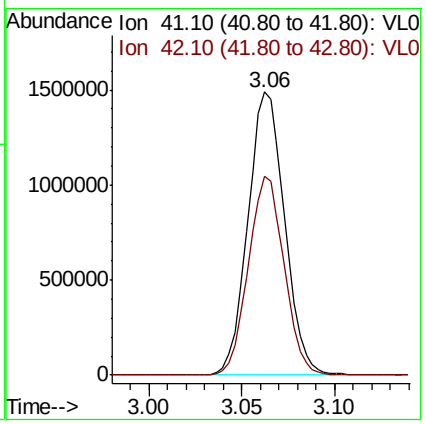


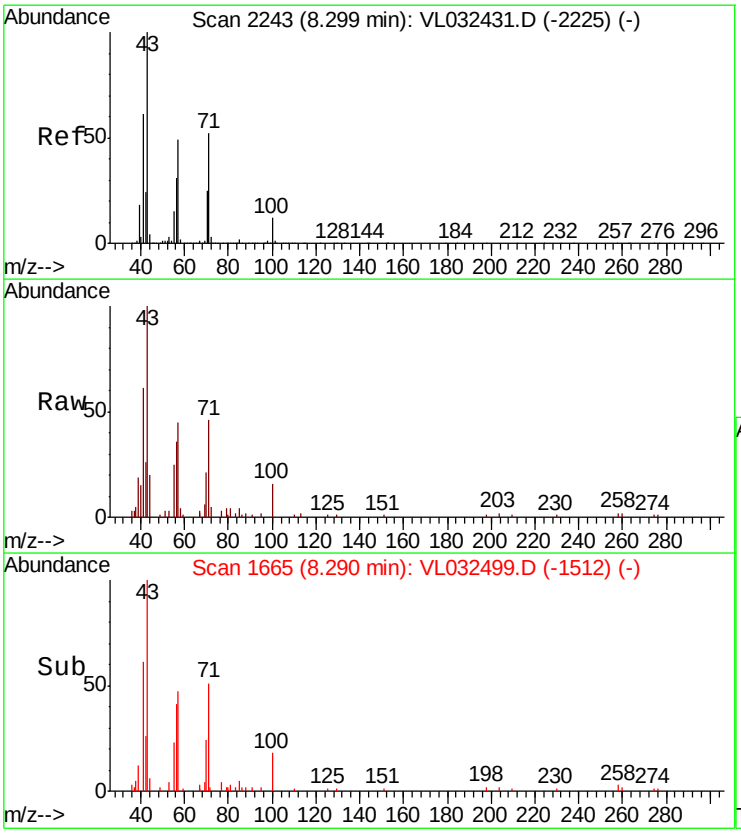
#9
Propene
Concen: 40.542 ppbv
RT: 3.06 min Scan# 39
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tgt Ion: 41 Resp: 2036322

Ion	Ratio	Lower	Upper
41	100		
42	68.9	56.6	84.8

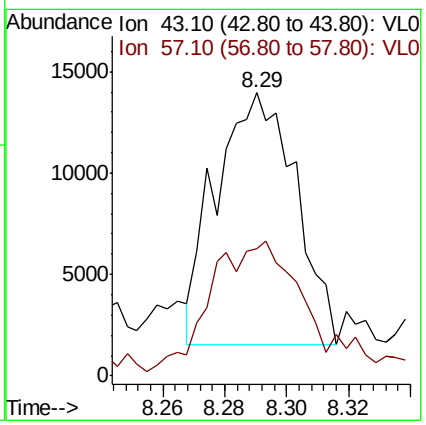


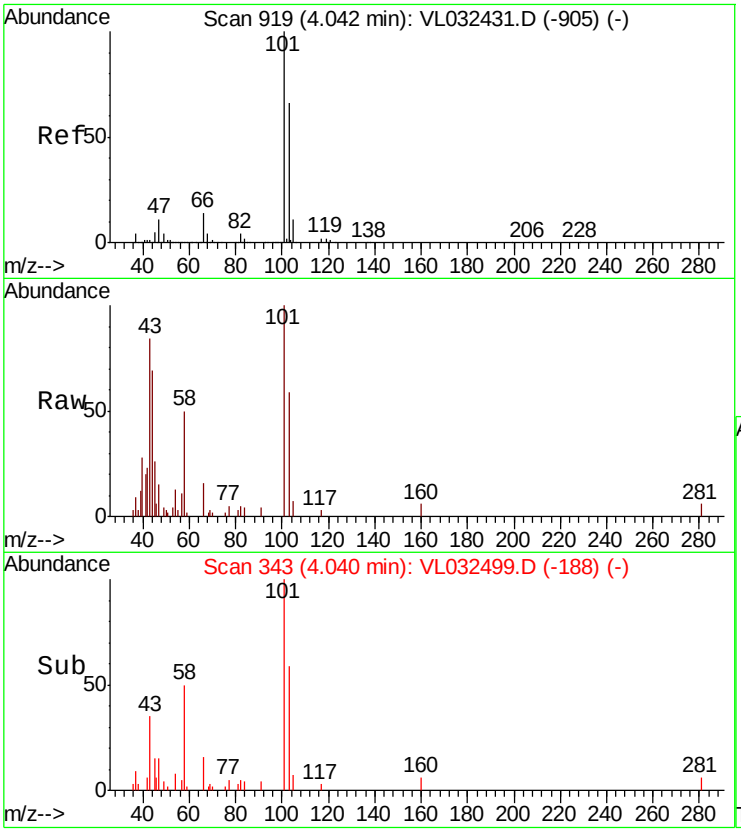


#10
Heptane
Concen: 0.123 ppbv
RT: 8.29 min Scan# 1665
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 43 Resp: 22209

Ion	Ratio	Lower	Upper
43	100		
57	67.2	39.6	59.4#



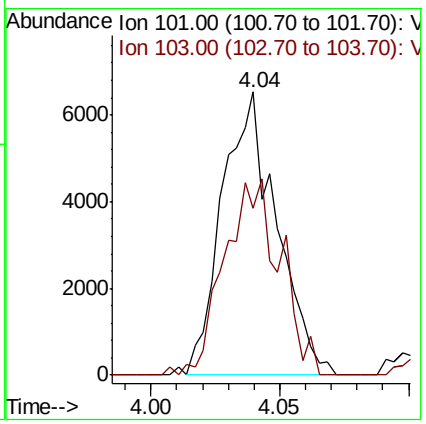


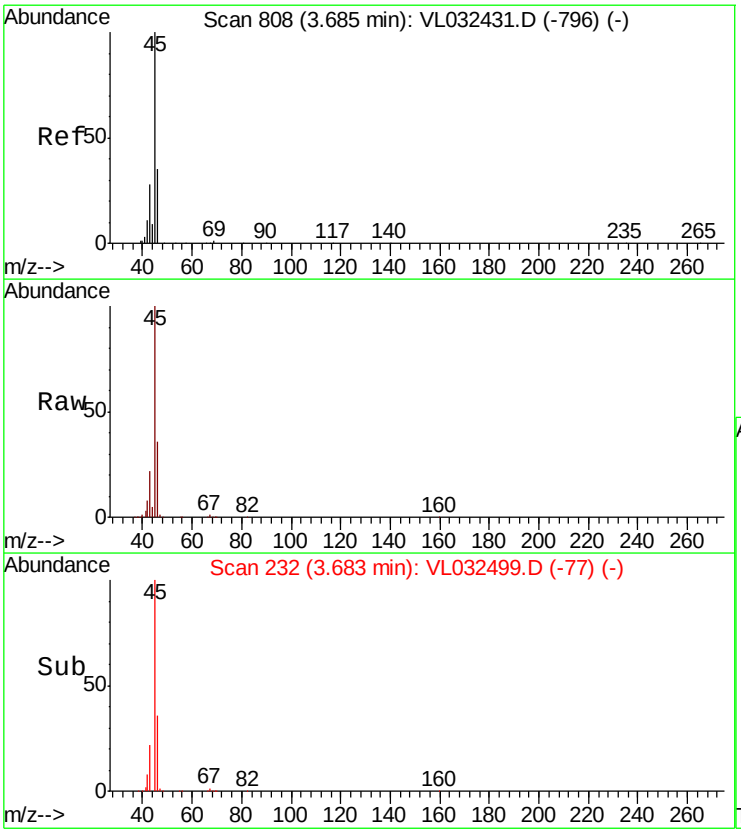
#11
Trichlorofluoromethane
Concen: 0.061 ppbv
RT: 4.04 min Scan# 343
Delta R.T. -0.00 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tgt Ion:101 Resp: 9600

Ion	Ratio	Lower	Upper
101	100		
103	59.0	52.8	79.2

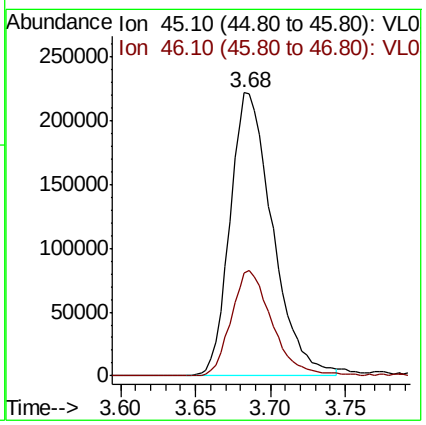


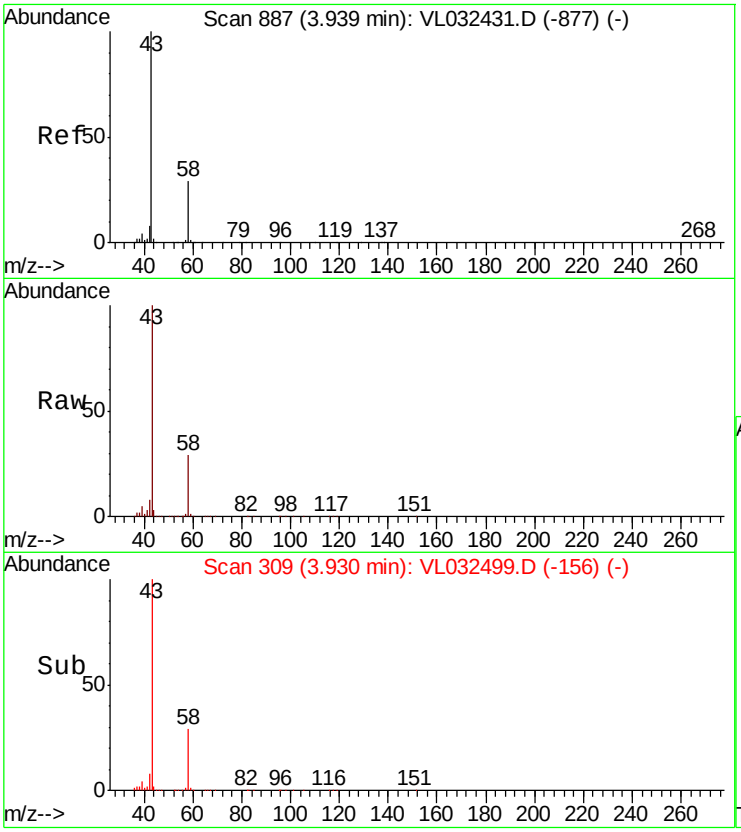


#13
Ethanol
Concen: 27.999 ppbv
RT: 3.68 min Scan# 232
Delta R.T. -0.00 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 45 Resp: 438372

Ion	Ratio	Lower	Upper
45	100		
46	36.1	14.2	56.8



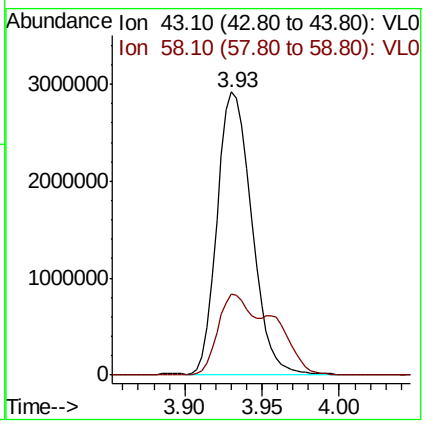


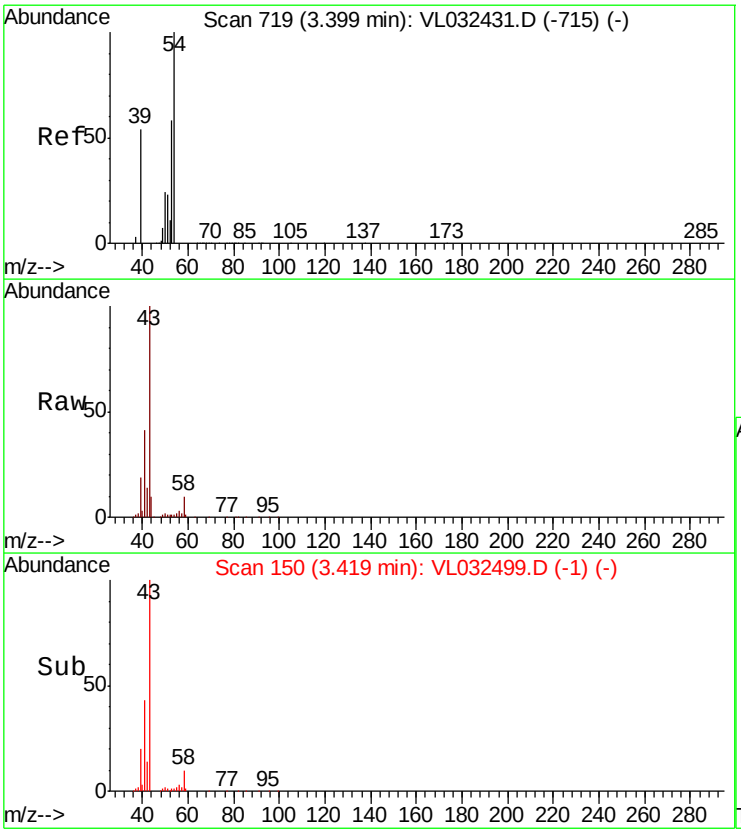
#15
Acetone
Concen: 36.364 ppbv
RT: 3.93 min Scan# 309
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument : MSVOA_L
ClientSampleId : 255-BERRYDL

Tgt Ion: 43 Resp: 4504428

Ion	Ratio	Lower	Upper
43	100		
58	46.7	22.6	33.8#

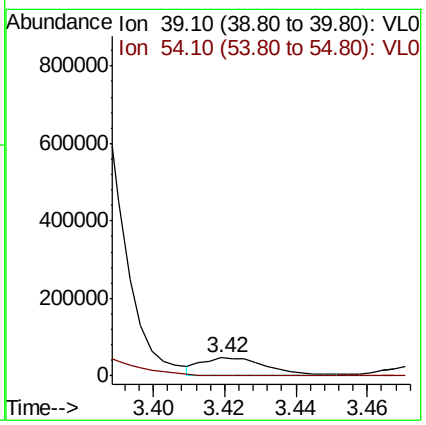


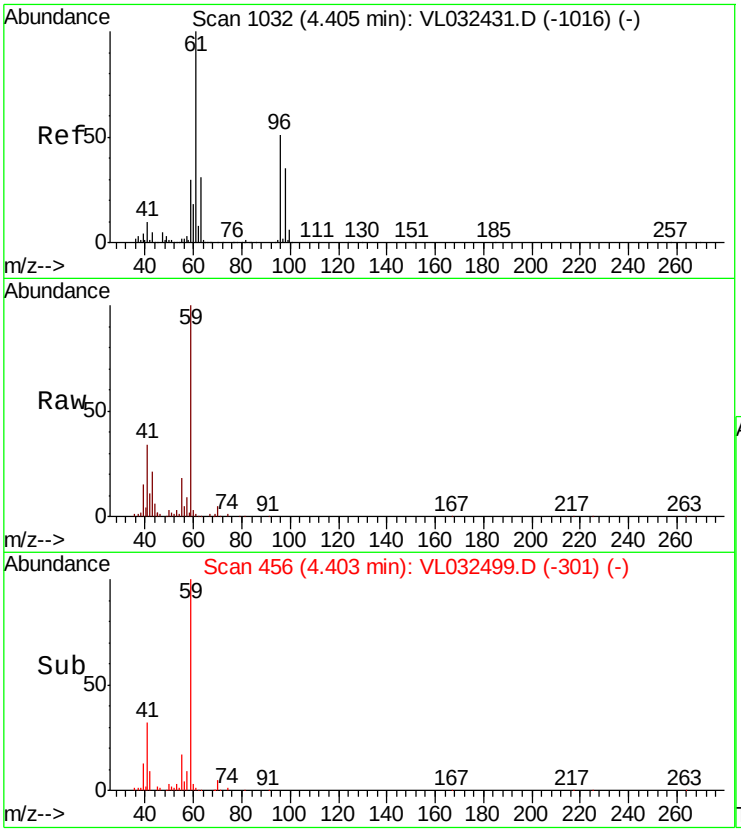


#16
1,3-Butadiene
Concen: 1.016 ppbv
RT: 3.42 min Scan# 150
Delta R.T. 0.02 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 39 Resp: 59247

Ion	Ratio	Lower	Upper
39	100		
54	0.0	80.8	121.2#



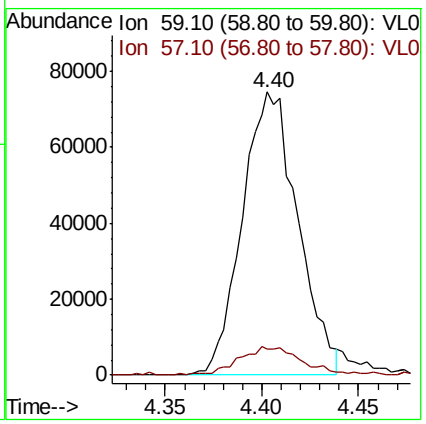


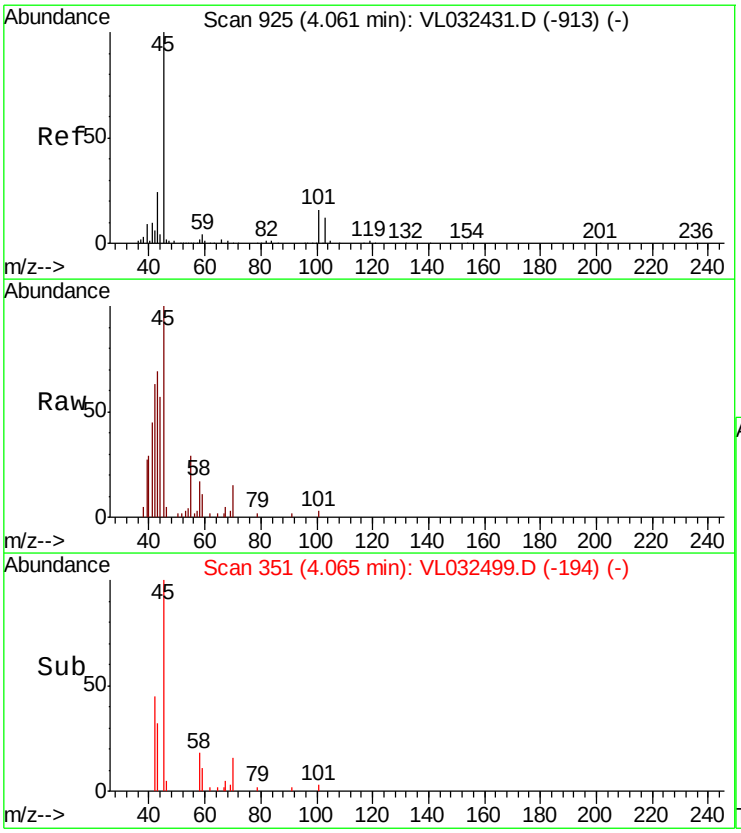
#17
tert-Butyl alcohol
Concen: 7.802 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tgt Ion: 59 Resp: 148719

Ion	Ratio	Lower	Upper
59	100		
57	11.7	0.0	0.0#

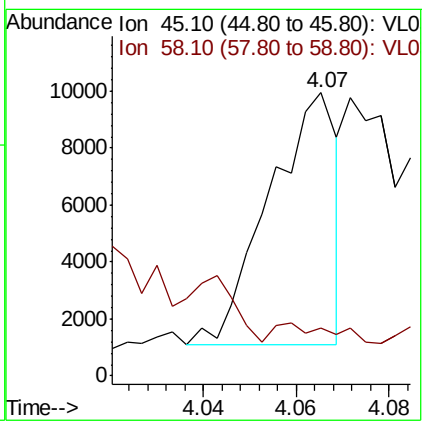


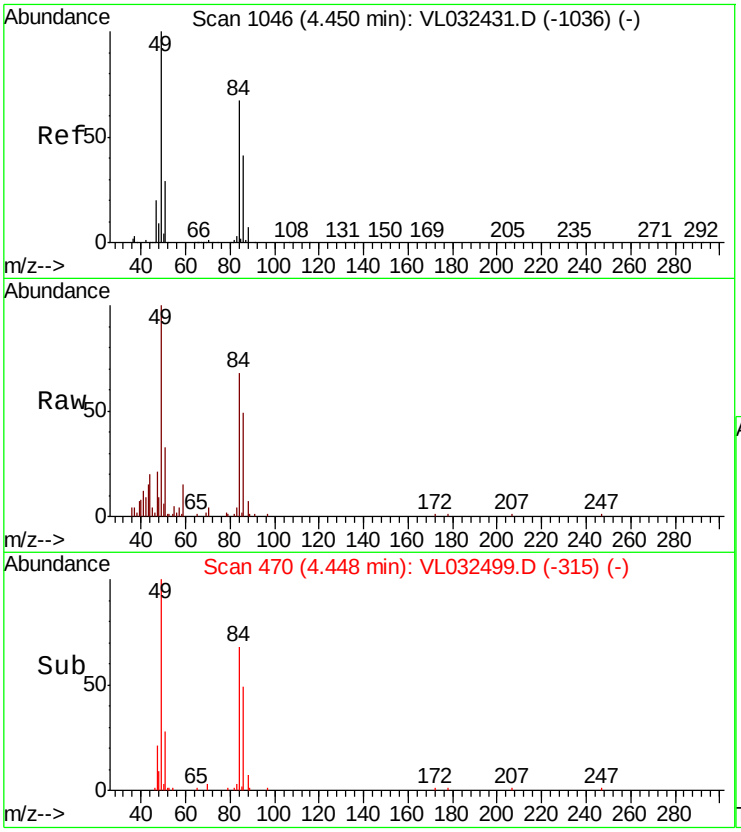


#19
Isopropyl Alcohol
Concen: 0.111 ppbv
RT: 4.07 min Scan# 351
Delta R.T. 0.00 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 45 Resp: 8996

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#



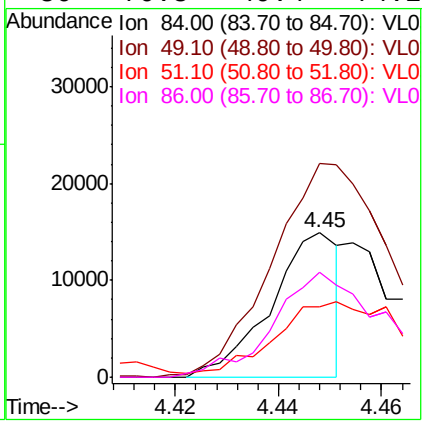


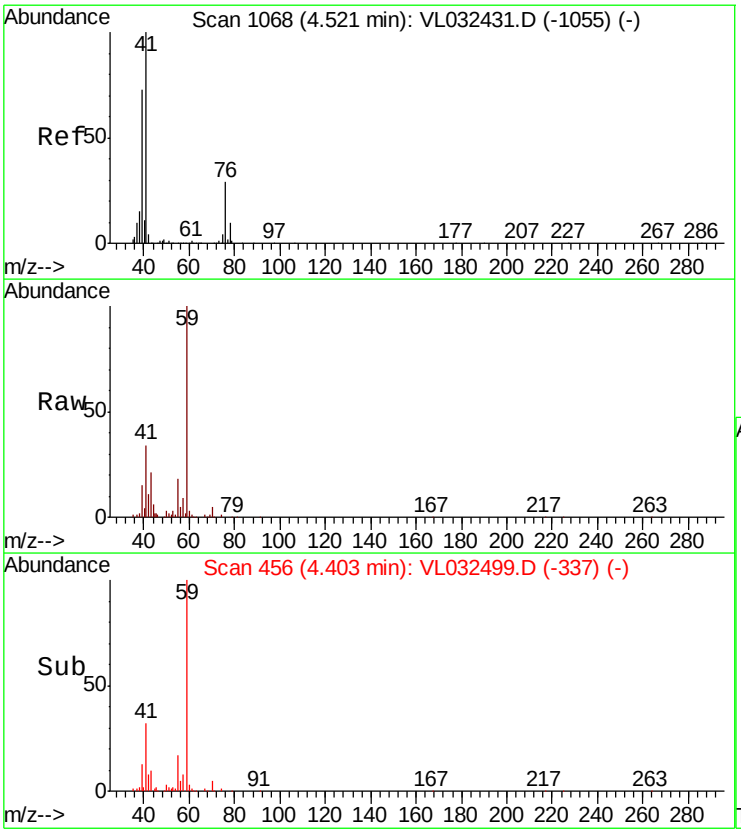
#20
Methylene Chloride
Concen: 0.288 ppbv
RT: 4.45 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument : MSVOA_L
ClientSampleId : 255-BERRYDL

Tgt Ion: 84 Resp: 13626

Ion	Ratio	Lower	Upper
84	100		
49	146.2	119.1	178.7
51	47.0	35.2	52.8
86	70.3	49.4	74.2

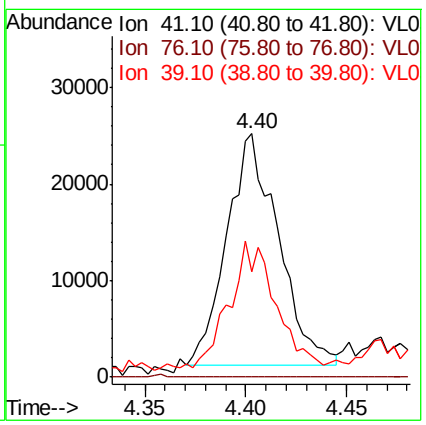


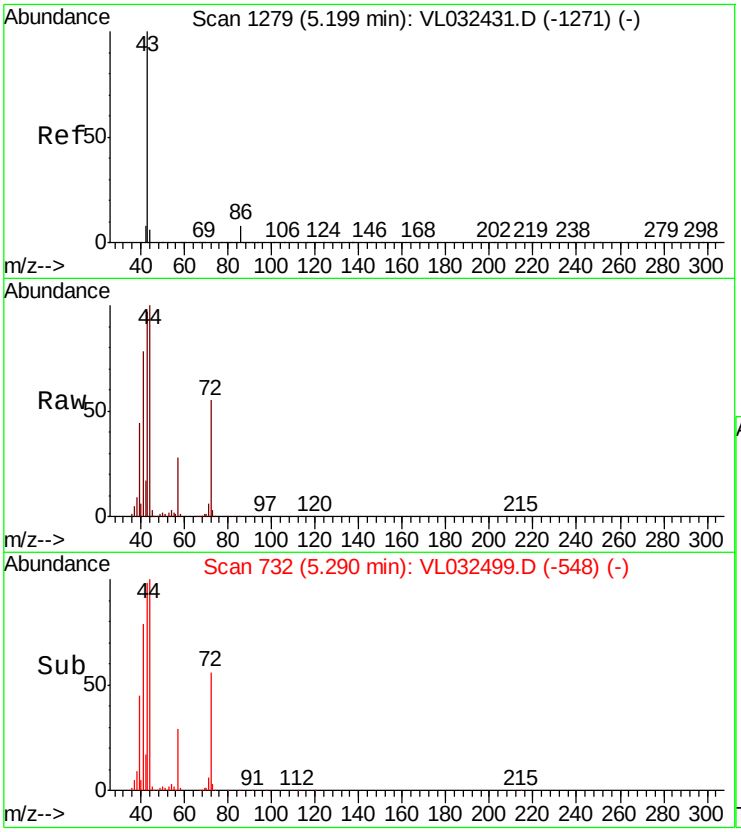


#21
Allyl Chloride
Concen: 0.523 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.12 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 41 Resp: 43058

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.6	35.4#
39	0.0	57.7	86.5#



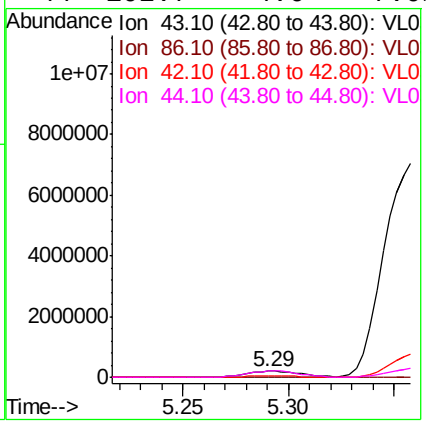


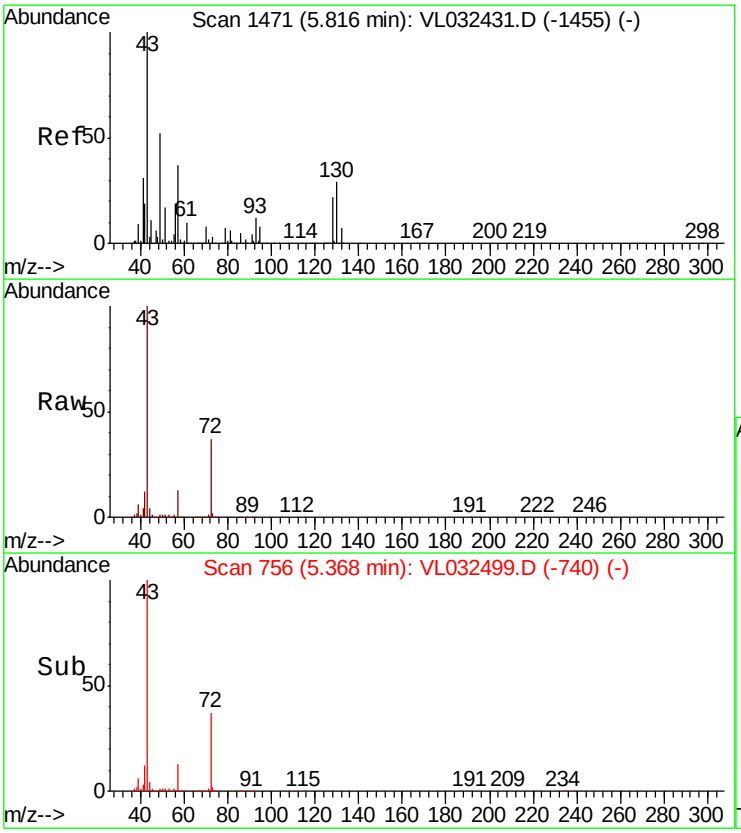
#23
Vinyl Acetate
Concen: 1.713 ppbv
RT: 5.29 min Scan# 732
Delta R.T. 0.09 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tgt Ion: 43 Resp: 351654

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#
42	17.3	6.9	10.3#
44	102.7	4.6	7.0#

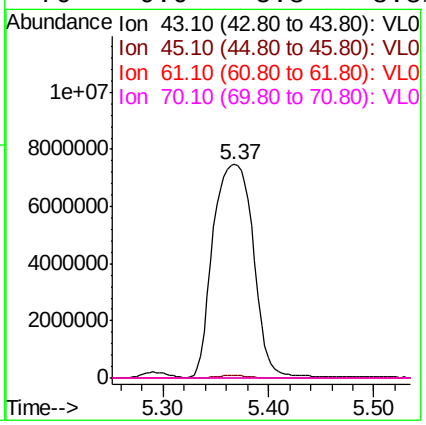


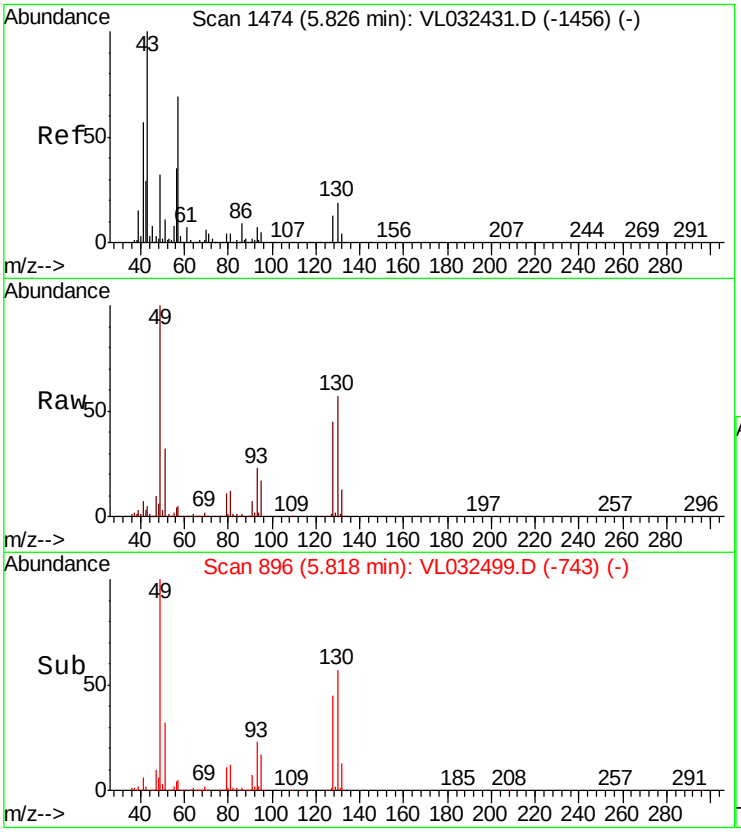


#25
Ethyl Acetate
Concen: 67.627 ppbv
RT: 5.37 min Scan# 756
Delta R.T. -0.45 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 43 Resp:19782438

Ion	Ratio	Lower	Upper
43	100		
45	1.0	8.0	12.0#
61	0.0	7.6	11.4#
70	0.0	5.8	8.8#



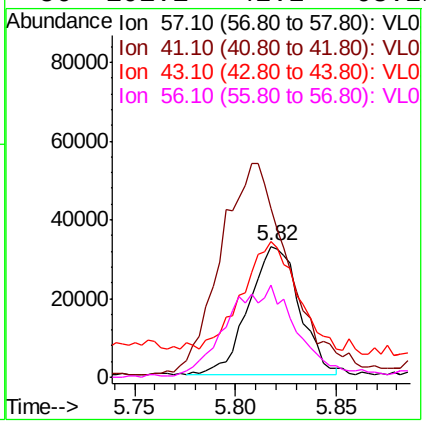


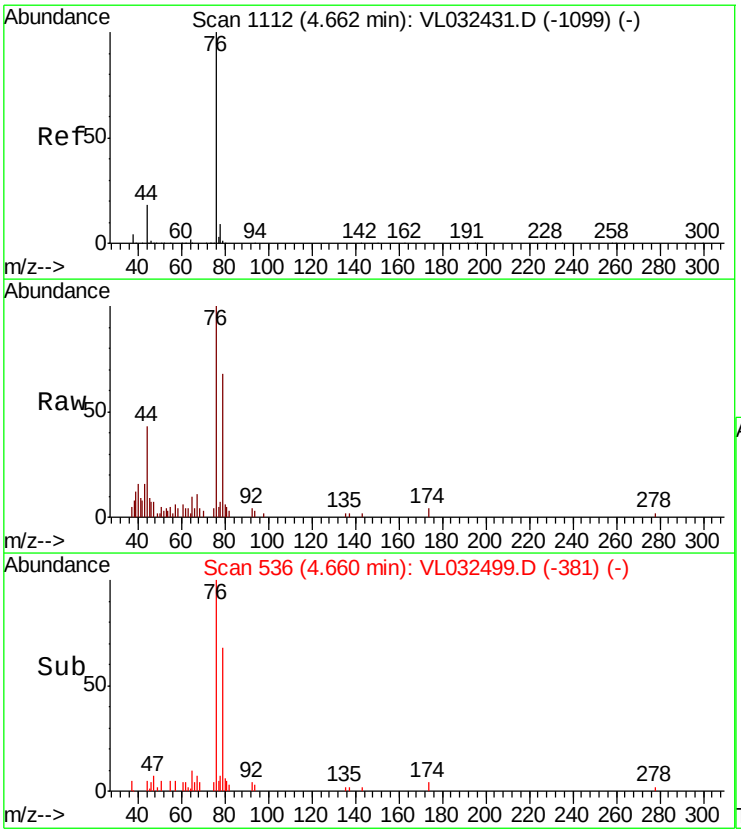
#26
Hexane
Concen: 0.435 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument : MSVOA_L
ClientSampleId : 255-BERRYDL

Tgt Ion: 57 Resp: 56917

Ion	Ratio	Lower	Upper
57	100		
41	227.1	69.0	103.4#
43	0.0	172.1	258.1#
56	101.1	42.2	63.2#

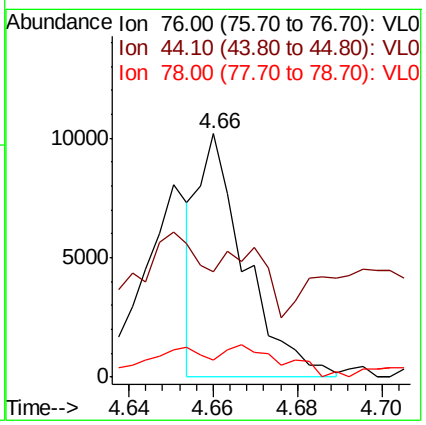


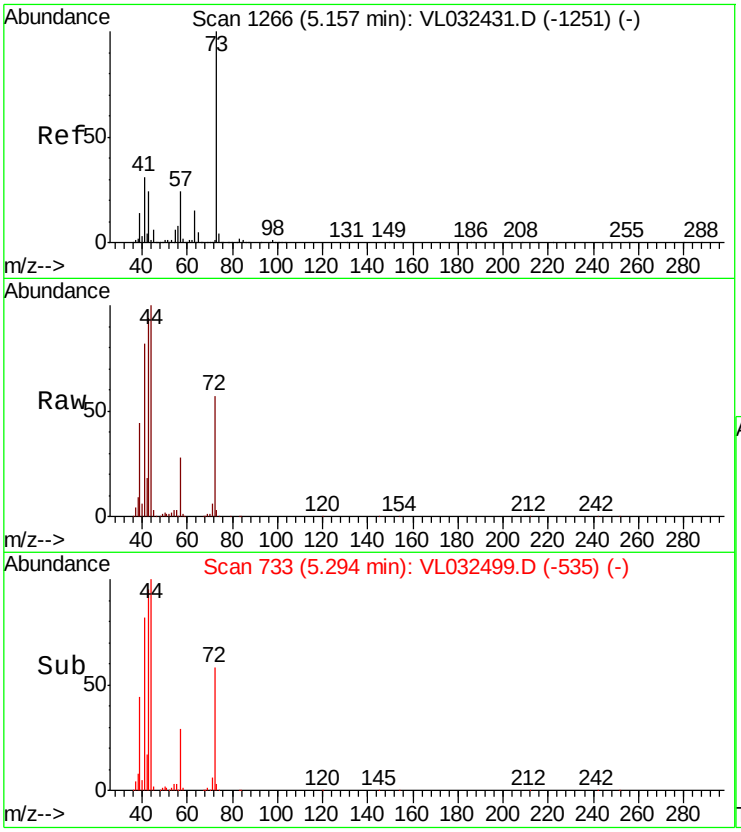


#27
Carbon Disulfide
Concen: 0.065 ppbv
RT: 4.66 min Scan# 536
Delta R.T. -0.00 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 76 Resp: 7817

Ion	Ratio	Lower	Upper
76	100		
44	0.0	14.0	21.0#
78	37.5	7.5	11.3#



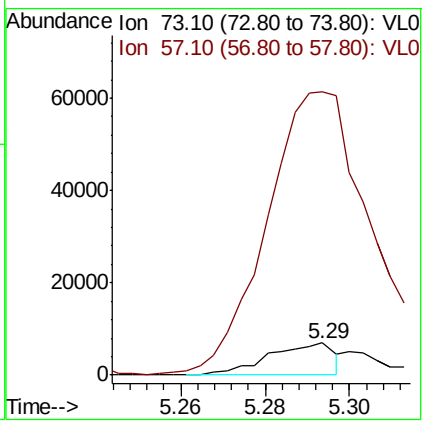


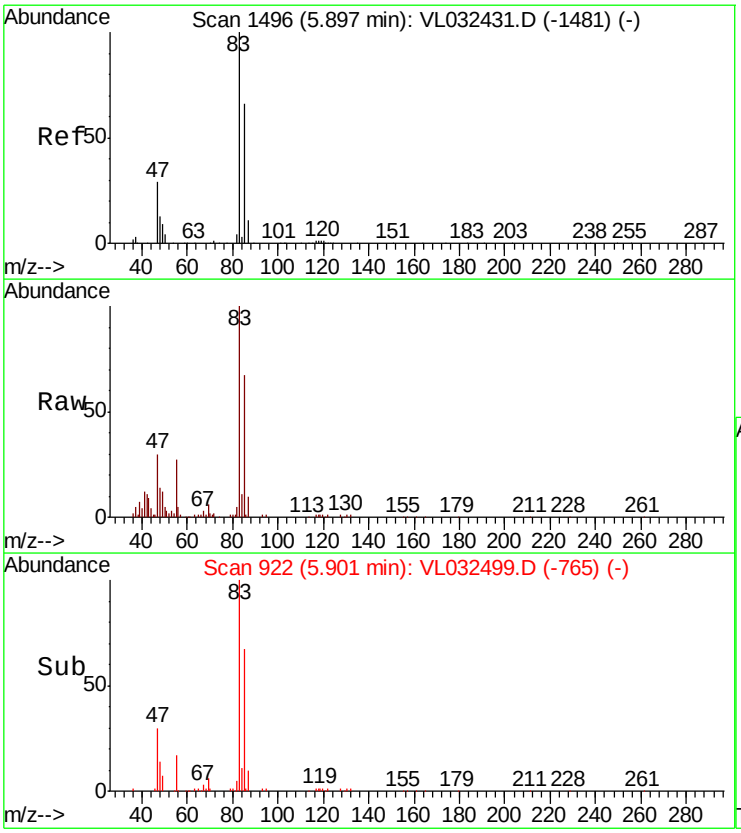
#28
Methyl tert-Butyl Ether
Concen: 0.044 ppbv
RT: 5.29 min Scan# 733
Delta R.T. 0.14 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tgt Ion: 73 Resp: 7152

Ion	Ratio	Lower	Upper
73	100		
57	1453.3	19.3	28.9#

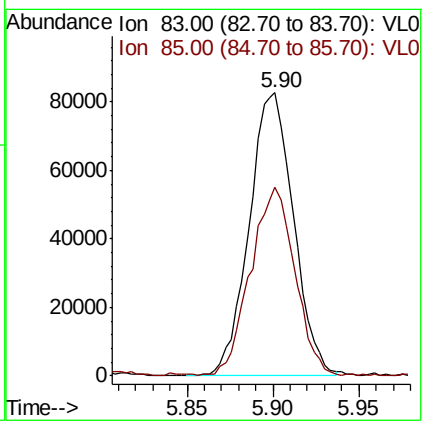


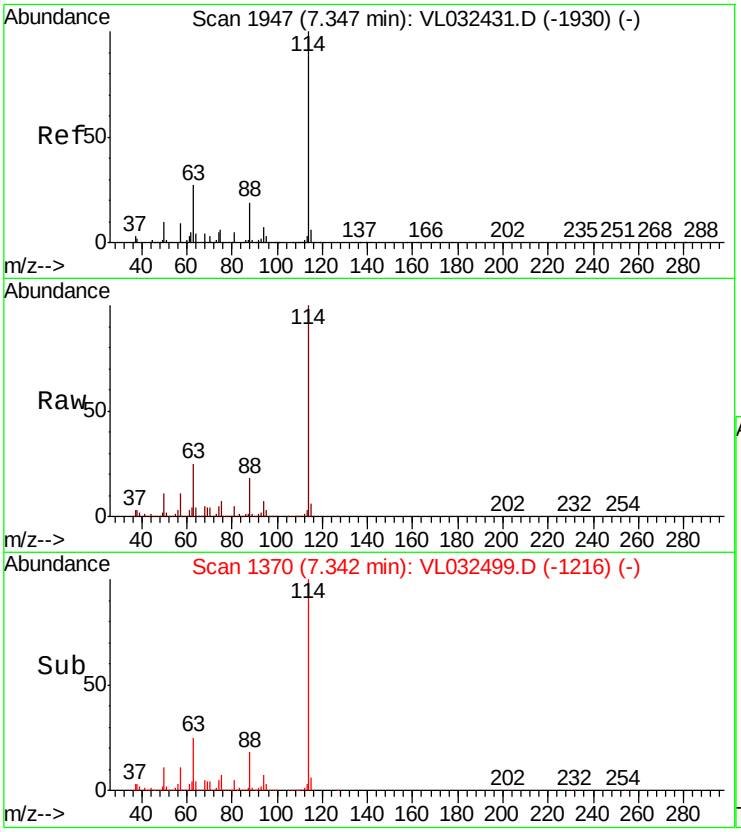


#29
Chloroform
Concen: 0.741 ppbv
RT: 5.90 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 83 Resp: 147981

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.5	78.7



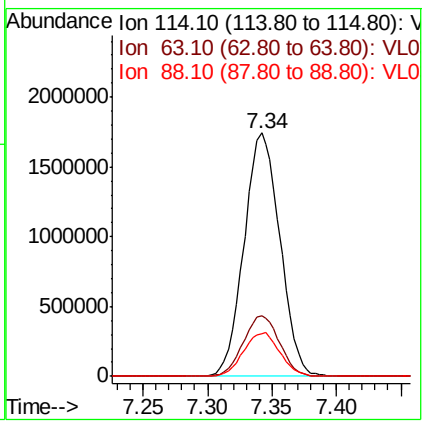


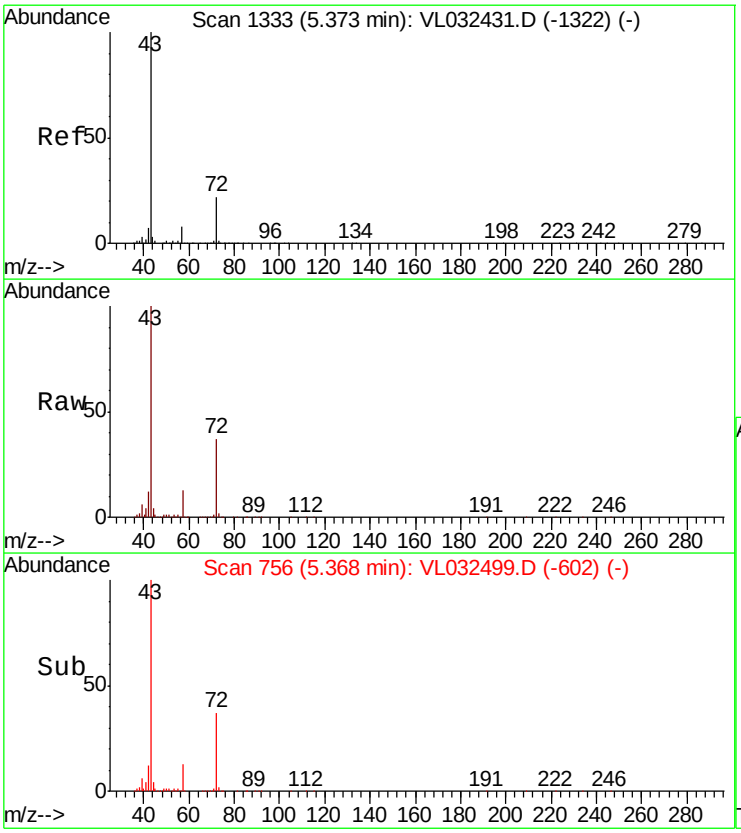
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tgt Ion:114 Resp: 3375582

Ion	Ratio	Lower	Upper
114	100		
63	25.3	22.2	33.4
88	18.3	15.0	22.4

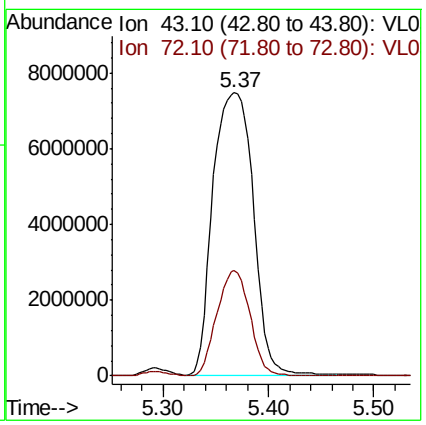


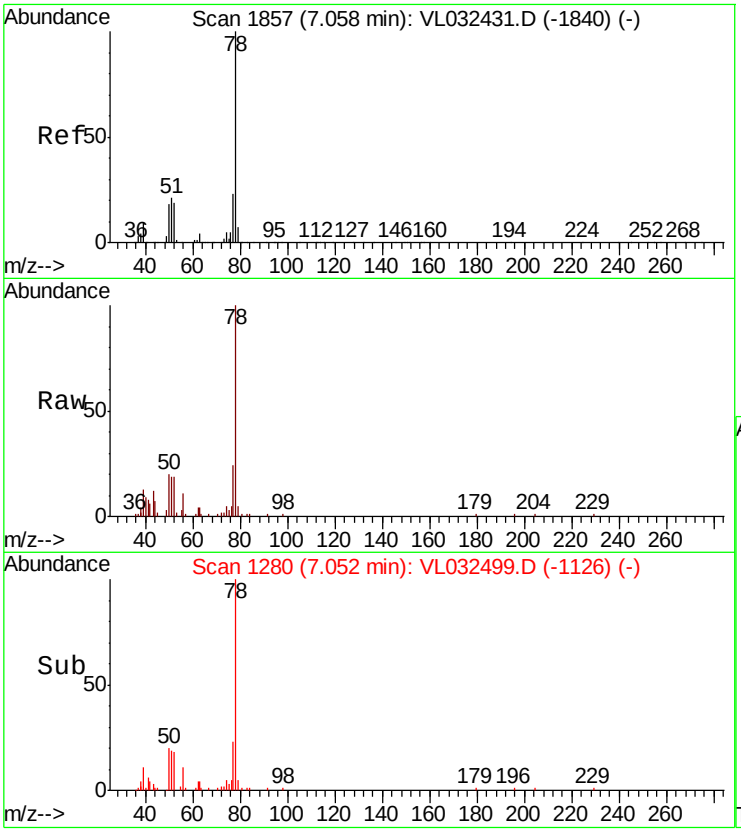


#34
2-Butanone
Concen: 88.284 ppbv
RT: 5.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 43 Resp:19794687

Ion	Ratio	Lower	Upper
43	100		
72	30.7	17.8	26.6#



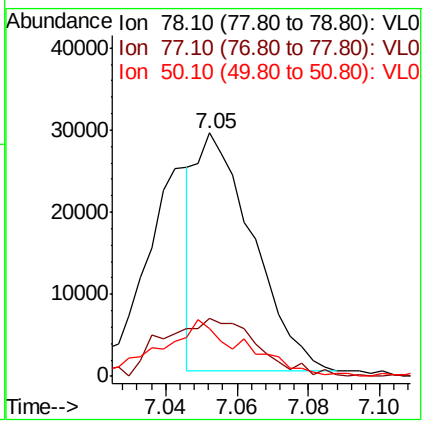


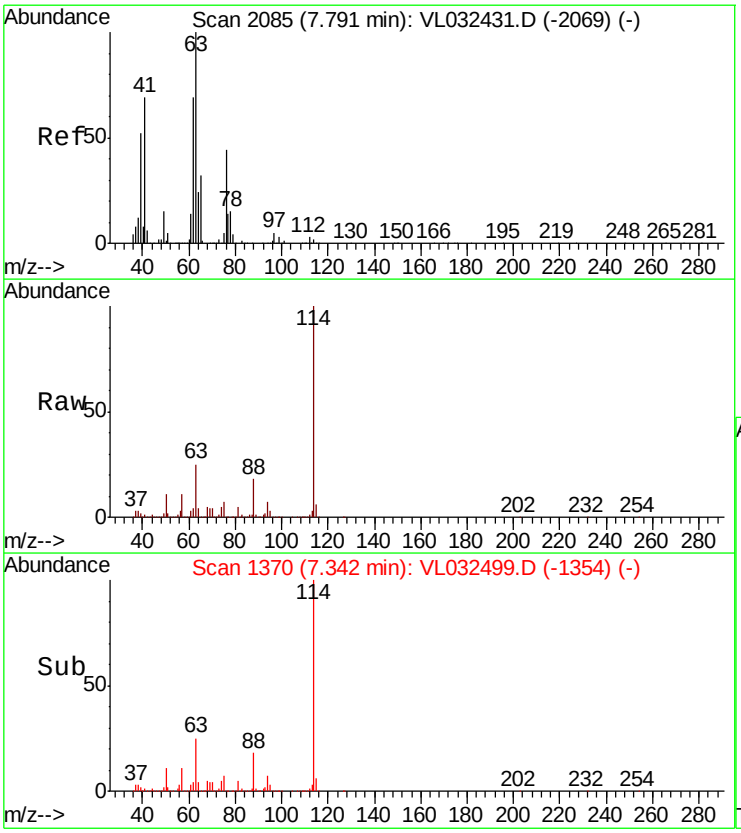
#36
Benzene
Concen: 0.112 ppbv
RT: 7.05 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tgt Ion: 78 Resp: 32080

Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.4	27.6
50	18.9	14.4	21.6

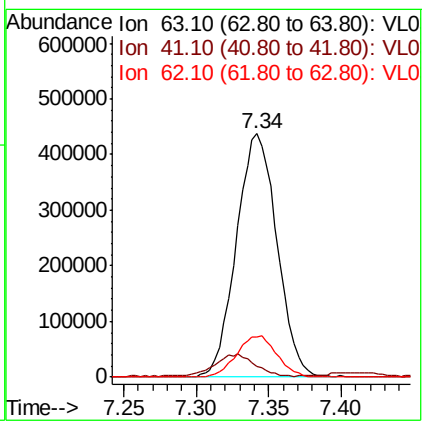


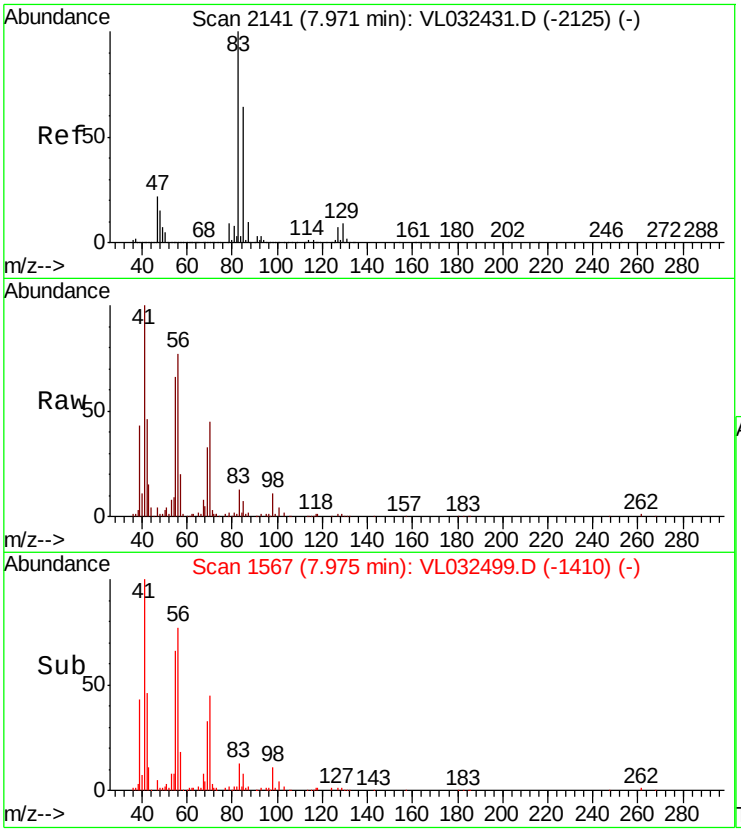


#39
1,2-Dichloropropane
Concen: 6.894 ppbv
RT: 7.34 min Scan# 1370
Delta R.T. -0.45 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 63 Resp: 847333

Ion	Ratio	Lower	Upper
63	100		
41	3.7	55.4	83.0#
62	16.2	55.4	83.0#



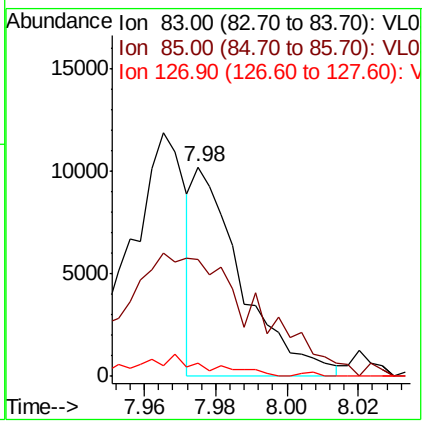


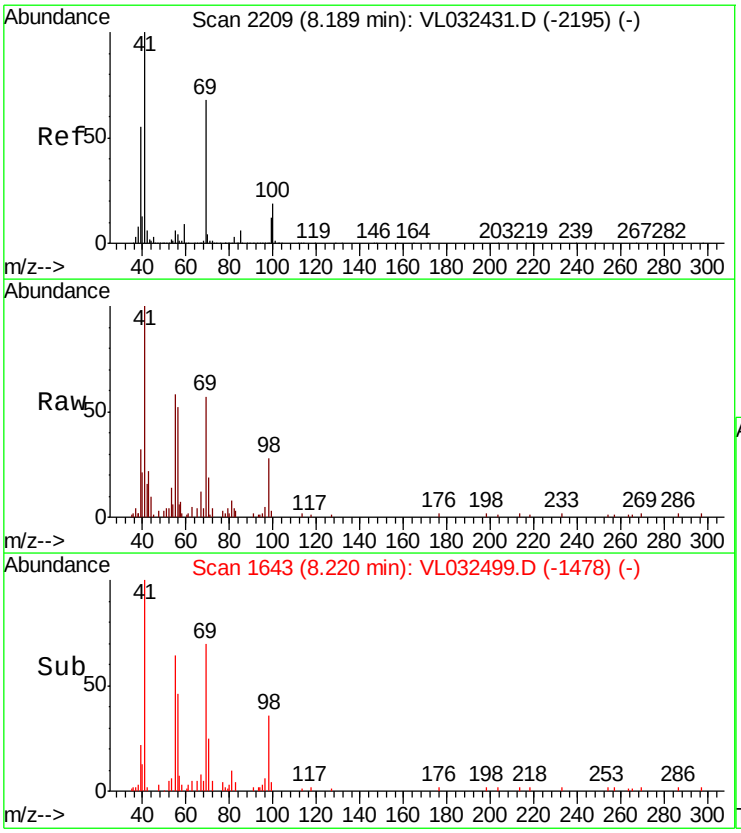
#42
Bromodichloromethane
Concen: 0.039 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument : MSVOA_L
ClientSampleId : 255-BERRYDL

Tgt Ion: 83 Resp: 9560

Ion	Ratio	Lower	Upper
83	100		
85	52.1	51.1	76.7
127	6.5	5.8	8.8

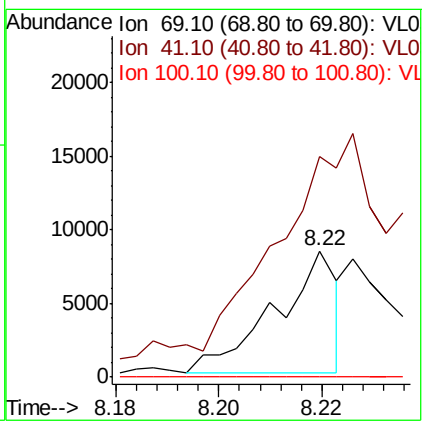


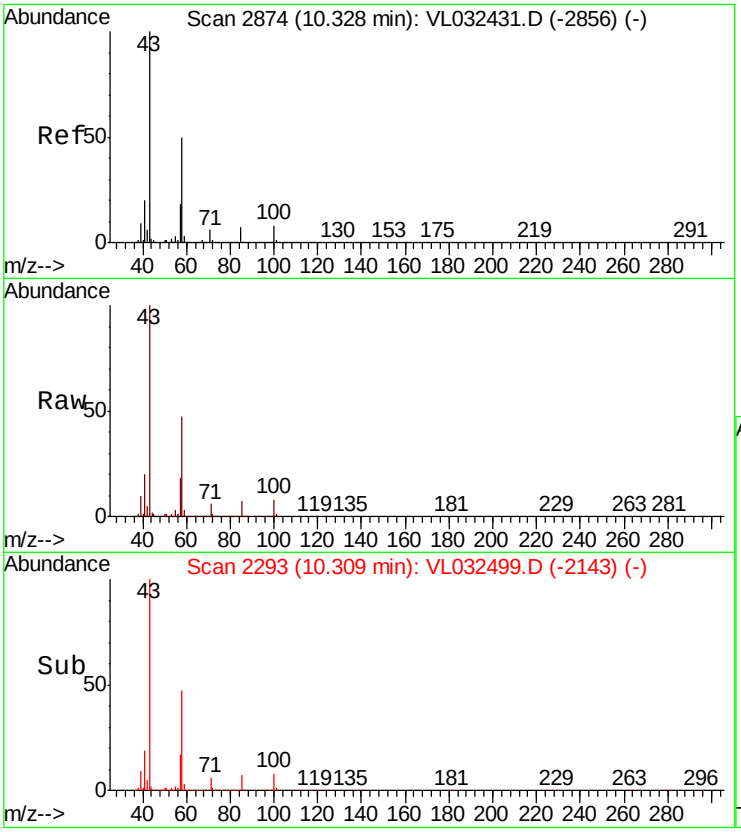


#43
Methyl Methacrylate
Concen: 0.057 ppbv
RT: 8.22 min Scan# 1643
Delta R.T. 0.03 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 69 Resp: 6963

Ion	Ratio	Lower	Upper
69	100		
41	0.0	117.1	175.7#
100	2.4	23.4	35.2#



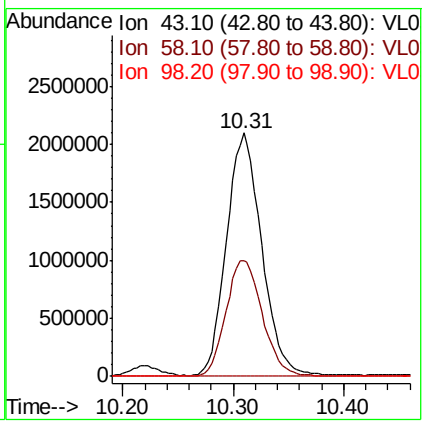


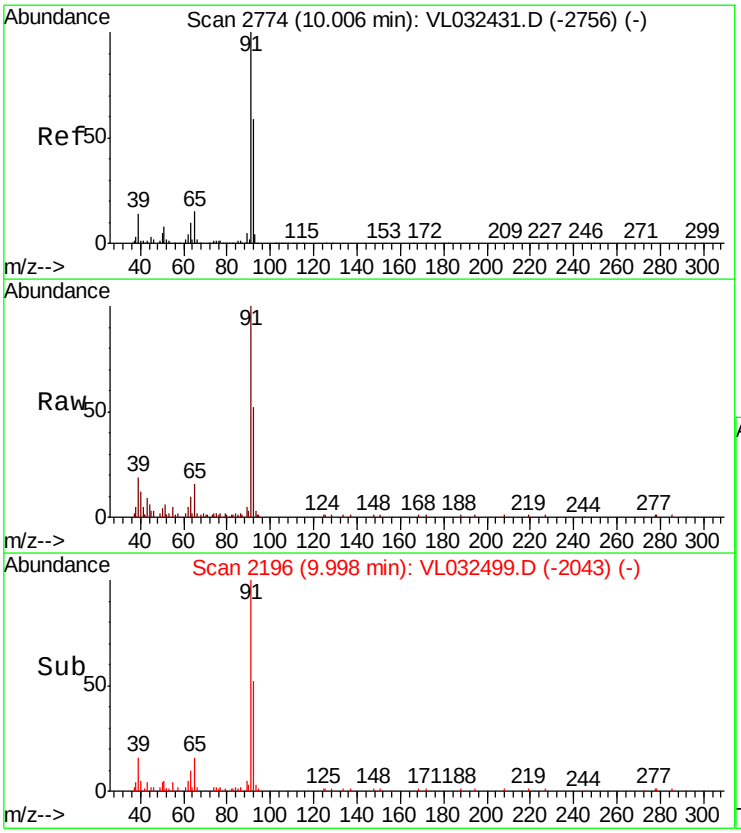
#51
2-Hexanone
Concen: 21.254 ppbv
RT: 10.31 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument : MSVOA_L
ClientSampleId : 255-BERRYDL

Tgt Ion: 43 Resp: 4624083

Ion	Ratio	Lower	Upper
43	100		
58	49.7	39.2	58.8
98	0.1	0.4	0.6#

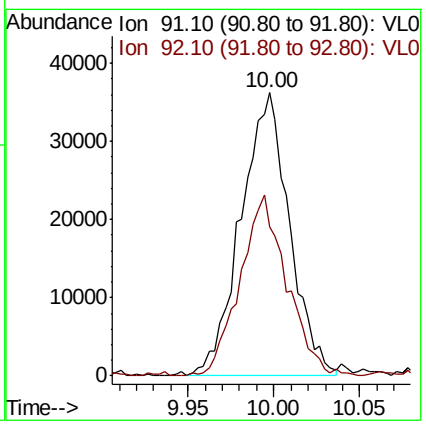


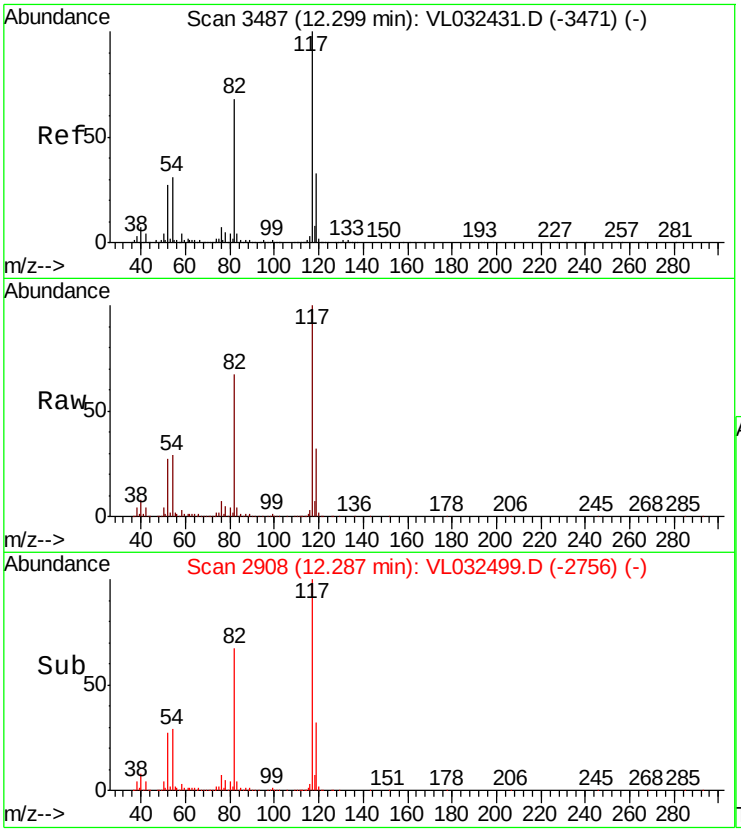


#53
Toluene
Concen: 0.237 ppbv
RT: 10.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 91 Resp: 71113

Ion	Ratio	Lower	Upper
91	100		
92	61.9	48.1	72.1



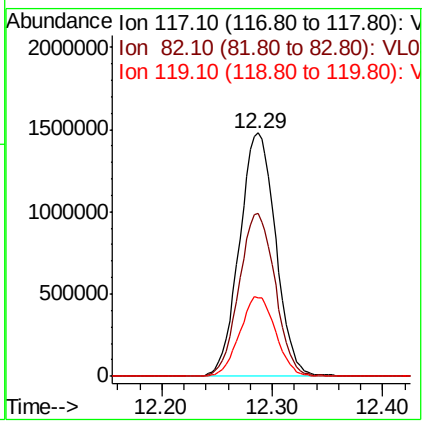


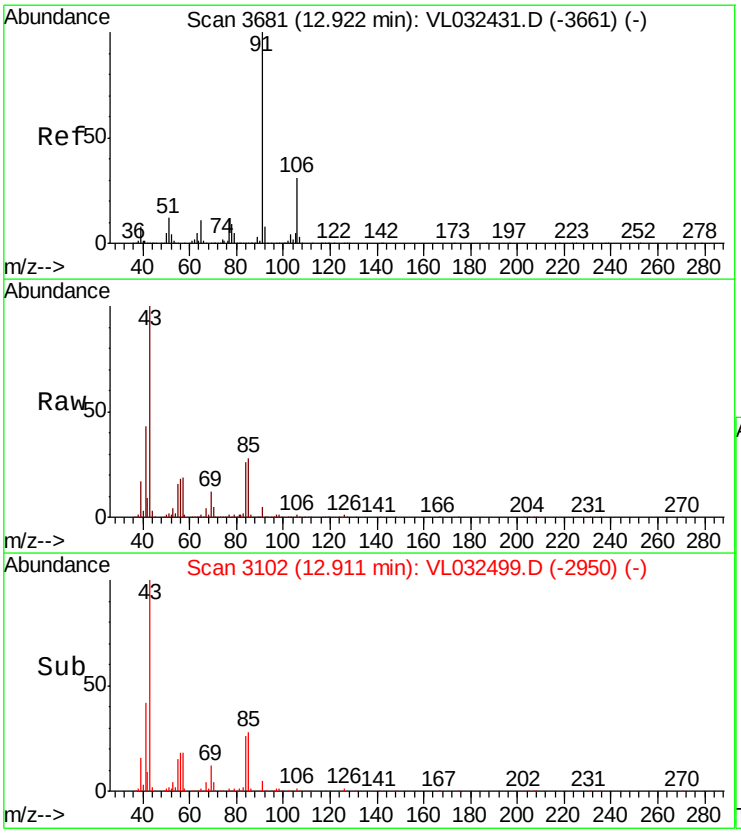
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument : MSVOA_L
ClientSampleId : 255-BERRYDL

Tgt Ion:117 Resp: 3358874

Ion	Ratio	Lower	Upper
117	100		
82	67.0	53.0	79.6
119	32.5	45.9	68.9#

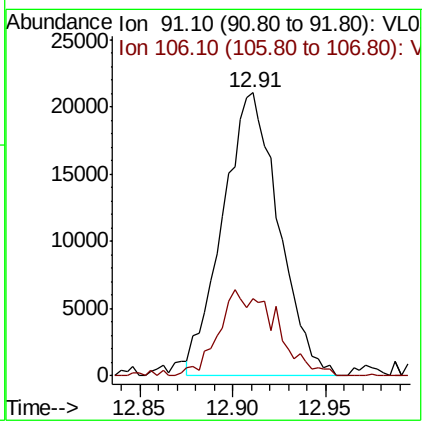


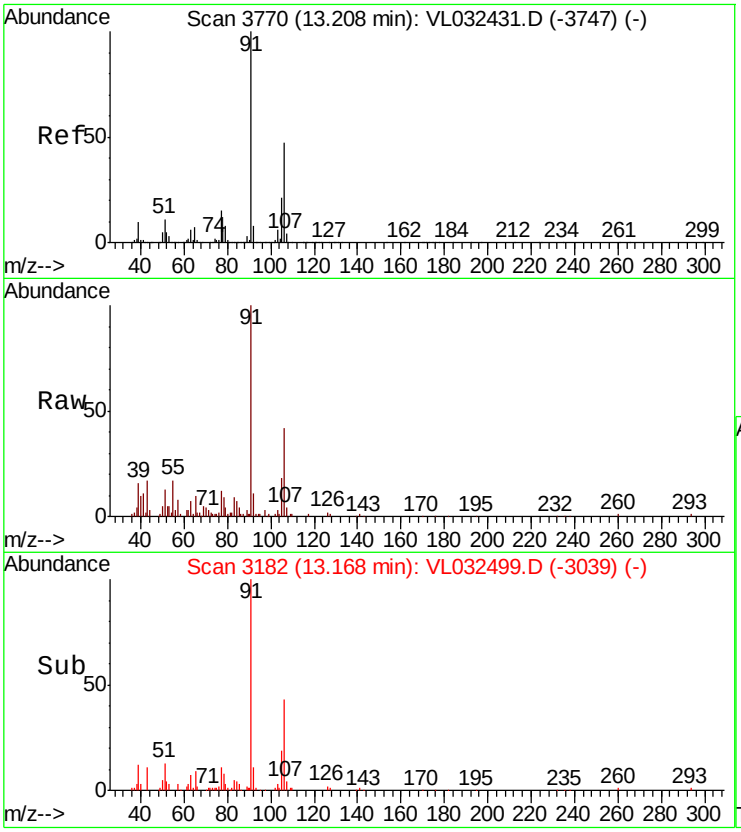


#58
Ethyl Benzene
Concen: 0.110 ppbv
RT: 12.91 min Scan# 3102
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 91 Resp: 44231

Ion	Ratio	Lower	Upper
91	100		
106	27.2	24.8	37.2



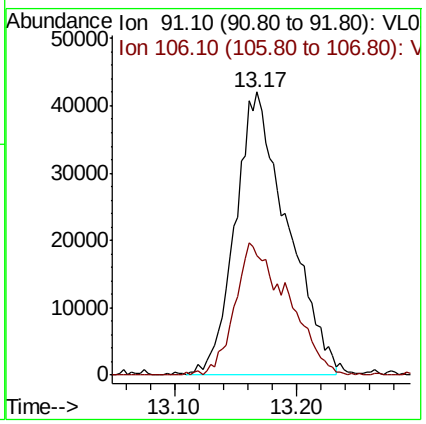


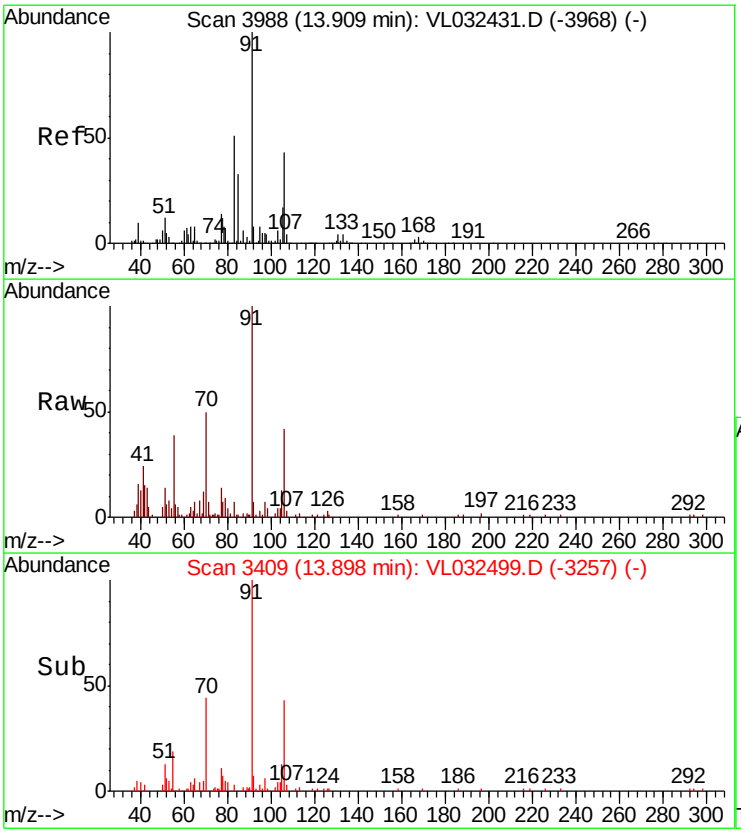
#59
m/p-Xylene
Concen: 0.347 ppbv
RT: 13.17 min Scan# 3182
Delta R.T. -0.04 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tgt Ion: 91 Resp: 124434

Ion	Ratio	Lower	Upper
91	100		
106	47.7	36.6	55.0

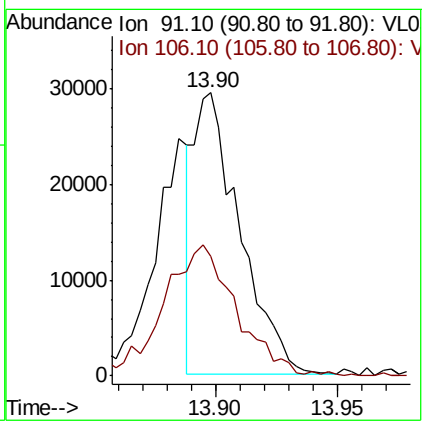


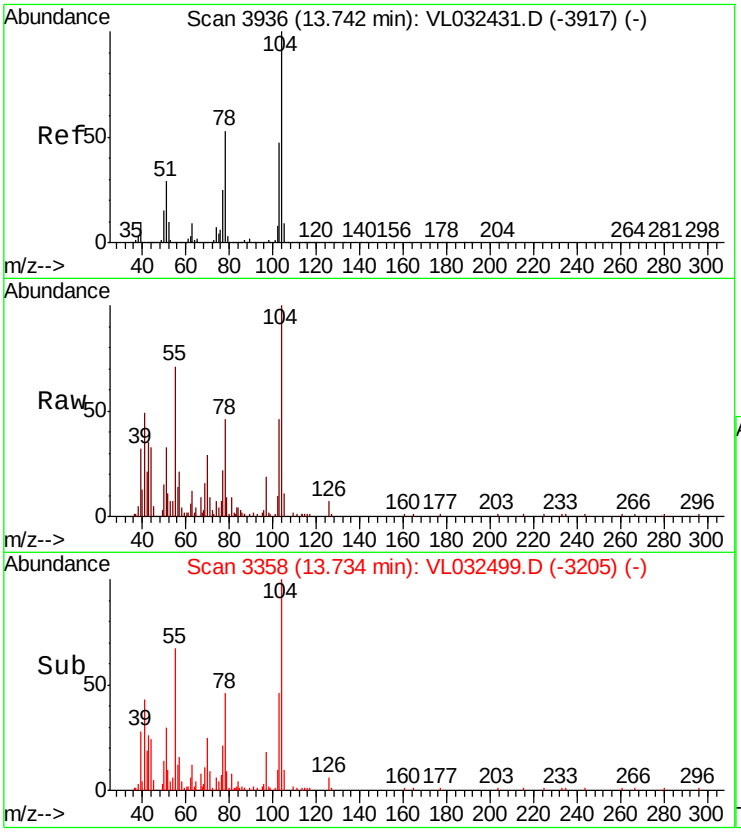


#60
o-Xylene
Concen: 0.108 ppbv
RT: 13.90 min Scan# 3409
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion: 91 Resp: 38181

Ion	Ratio	Lower	Upper
91	100		
106	75.3	21.9	65.7#



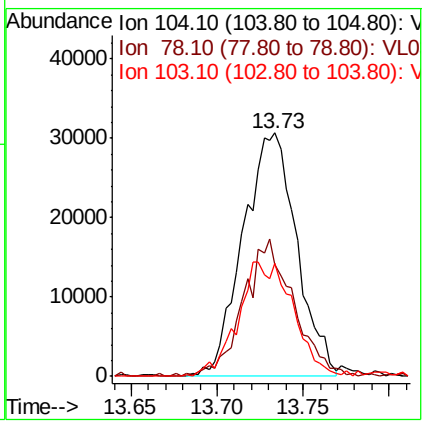


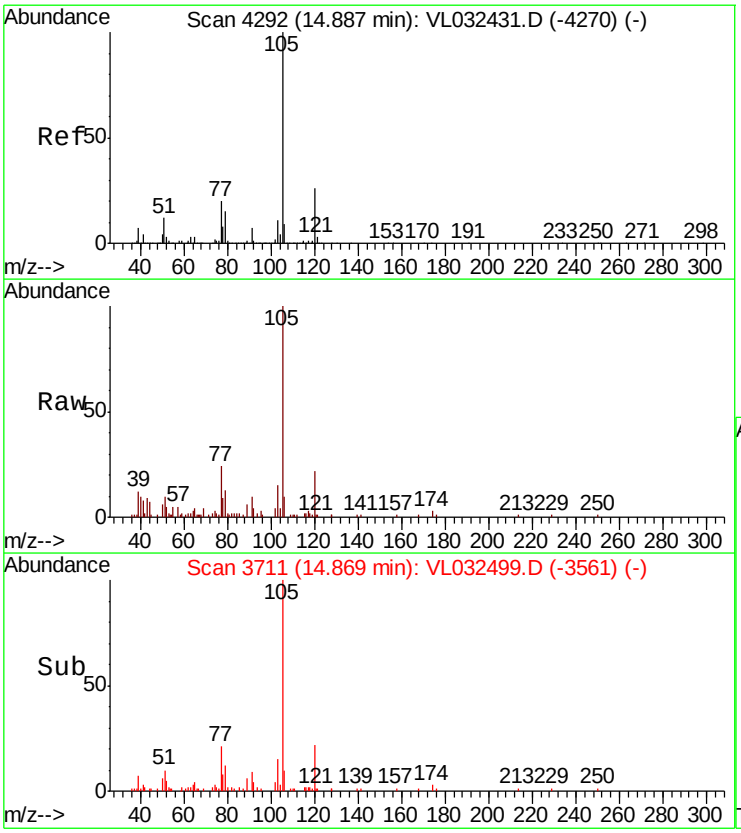
#61
Styrene
Concen: 0.292 ppbv
RT: 13.73 min Scan# 3358
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument : MSVOA_L
ClientSampleId : 255-BERRYDL

Tgt Ion:104 Resp: 66490

Ion	Ratio	Lower	Upper
104	100		
78	52.8	41.8	62.8
103	48.1	38.0	57.0

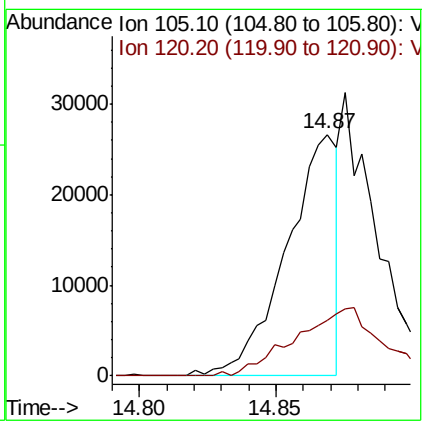


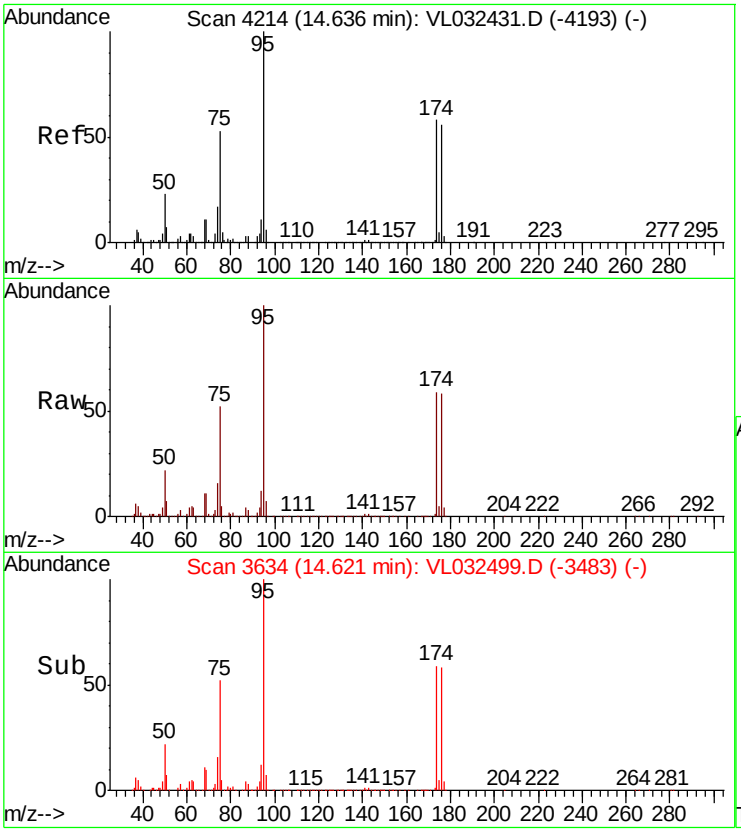


#62
Isopropylbenzene
Concen: 0.070 ppbv
RT: 14.87 min Scan# 3711
Delta R.T. -0.02 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion:105 Resp: 34485

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.6	31.0#



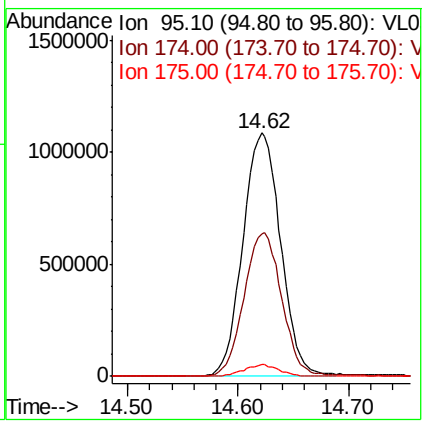


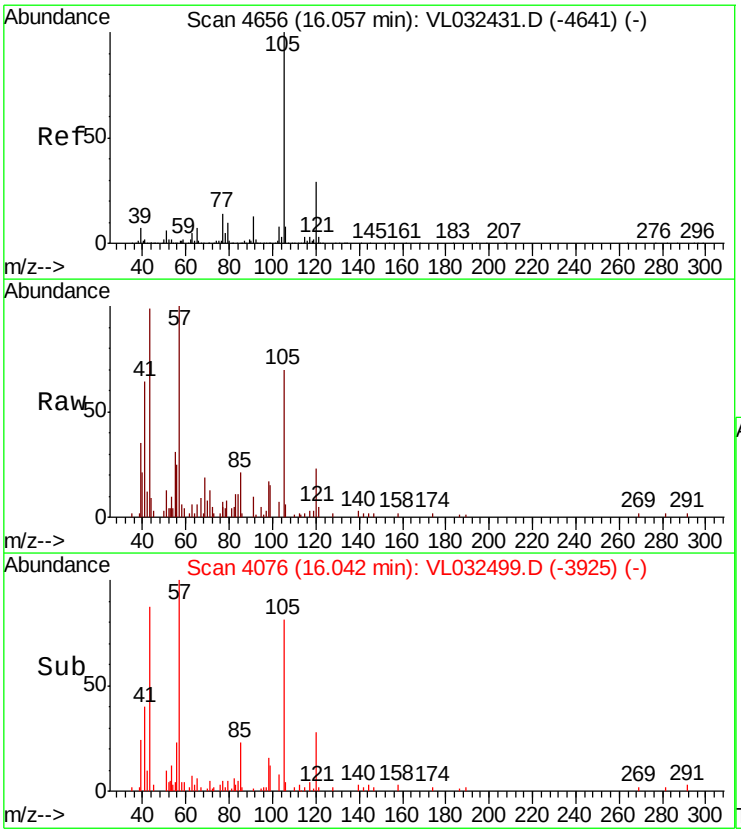
#68
1-Bromo-4-Fluorobenzene
Concen: 10.333 ppbv
RT: 14.62 min Scan# 3634
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument : MSVOA_L
ClientSampleId : 255-BERRYDL

Tgt Ion: 95 Resp: 2576676

Ion	Ratio	Lower	Upper
95	100		
174	59.5	46.3	69.5
175	4.5	3.4	5.0

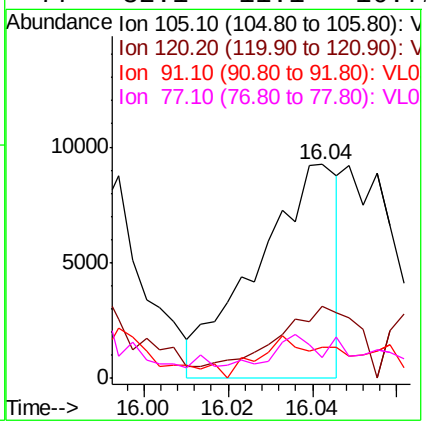


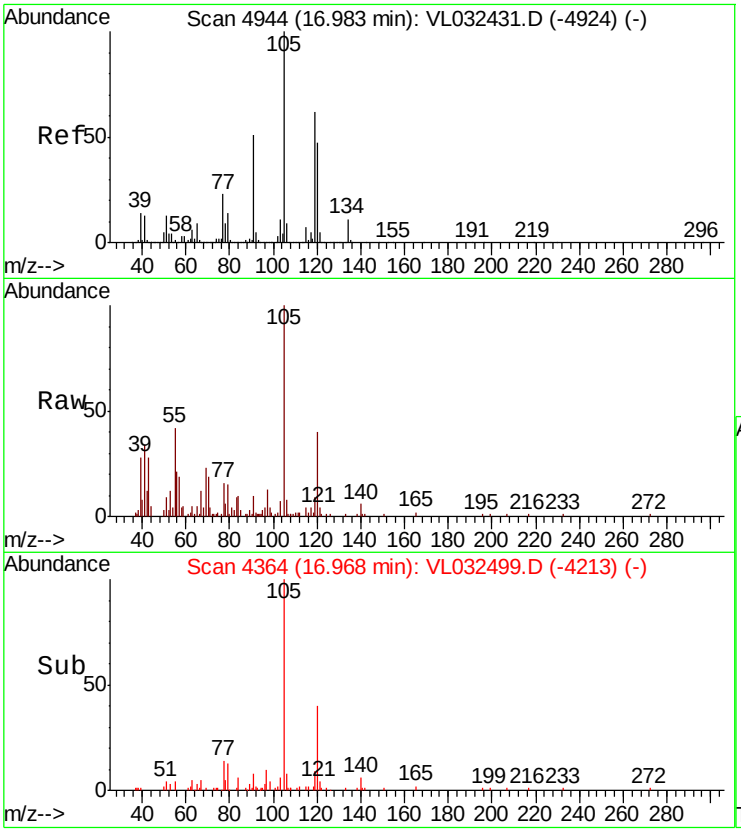


#72
4-Ethyltoluene
Concen: 0.032 ppbv
RT: 16.04 min Scan# 4076
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Tgt Ion:105 Resp: 12285

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.5	35.3#
91	31.6	10.2	15.2#
77	32.1	11.1	16.7#





#74
1,2,4-Trimethylbenzene
Concen: 0.113 ppbv
RT: 16.97 min Scan# 4364
Delta R.T. -0.01 min
Lab File: VL032499.D
Acq: 11 Sep 2018 4:39

Instrument :
MSVOA_L
ClientSampleId :
255-BERRYDL

Tgt Ion:105 Resp: 47689

Ion	Ratio	Lower	Upper
105	100		
120	39.1	37.8	56.8
91	9.8	41.4	62.0#
77	14.1	18.6	28.0#