Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

Quantitation Report (Not Reviewed)

Data File : VL033754.D
Acq On : 22 May 2019 21:26
Operator : SY/AP
Sample : K2929-09DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3001-55DL

Quant Time: May 23 04:24:55 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	1044703	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2664588	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	2642770	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	2081280	9.71	ppbv	-0.01

Spiked Amount 10.000 Range 65 - 135 Recovery = 97.10%

Target Compounds	R.T.	QIon	Response	Conc	Units		Qvalue
2) Dichlorodifluoromethane	3.07	85	10407	0.047	ppbv		93
3) Chlorodifluoromethane	2.98	51	13071	0.109	ppbv	#	82
4) Chloromethane	3.17	50	1285	0.019	ppbv		95
9) Propene	3.03	41	1484722	29.170	ppbv		94
10) Heptane	8.24	43	119751	0.831	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1826	0.012	ppbv		98
13) Ethanol	3.65	45	33457	2.034	ppbv	#	38
15) Acetone	3.89	43	1267060	8.742	ppbv		95
16) 1,3-Butadiene	3.34	39	651144	11.281	ppbv	#	25
17) tert-Butyl alcohol	4.38	59	7532	0.064	ppbv	#	72
20) Methylene Chloride	4.40	84	5301	0.095	ppbv	#	88
21) Allyl Chloride	4.46	41	9846	0.109	ppbv	#	1
23) Vinyl Acetate	5.14	43	9281	0.049	ppbv	#	1
25) Ethyl Acetate	5.77	43	259381	1.019	ppbv		99
26) Hexane	5.77	57	130116	1.189	ppbv		86
27) Carbon Disulfide	4.62	76	52414	0.349	ppbv	#	85
29) Chloroform	5.84	83	84677	0.420	ppbv		87
30) Cyclohexane	7.24	84	5590	0.061	ppbv	#	1
34) 2-Butanone	5.33	43	112766	0.683	ppbv		99
35) Carbon Tetrachloride	7.13	117	32027	0.150	ppbv		85
36) Benzene	7.00	78	151786	0.626	ppbv	#	94
39) 1,2-Dichloropropane	7.28	63	651174	7.206	ppbv	#	23
41) Tetrahydrofuran	6.07	42	6486	0.070	ppbv	#	55
44) 2,2,4-Trimethylpentane	7.98	57	39876	0.097	ppbv	#	41
53) Toluene	9.94	91	1308619	5.006	ppbv		99
58) Ethyl Benzene	12.85	91	164861	0.471	ppbv		93
59) m/p-Xylene	13.11	91	529751	1.732	ppbv		98
60) o-Xylene	13.84	91	168313	0.546	ppbv		97
64) n-propylbenzene	15.71	120	3912	0.036	ppbv	#	1
72) 4-Ethyltoluene	15.98	105	12563	0.036	ppbv	#	5
73) 1,3,5-Trimethylbenzene	16.14	105	16607	0.048	ppbv		99
74) 1,2,4-Trimethylbenzene	16.91	105	95741	0.256	ppbv	#	66

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

```
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\
                              Quantitation Report    (Not Reviewed)
Data File : VL033754.D
Acq On    : 22 May 2019  21:26
Operator  : SY/AP
Sample    : K2929-09DL 10X
Misc      : 400ml/MSVOA_L
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 23 04:24:55 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
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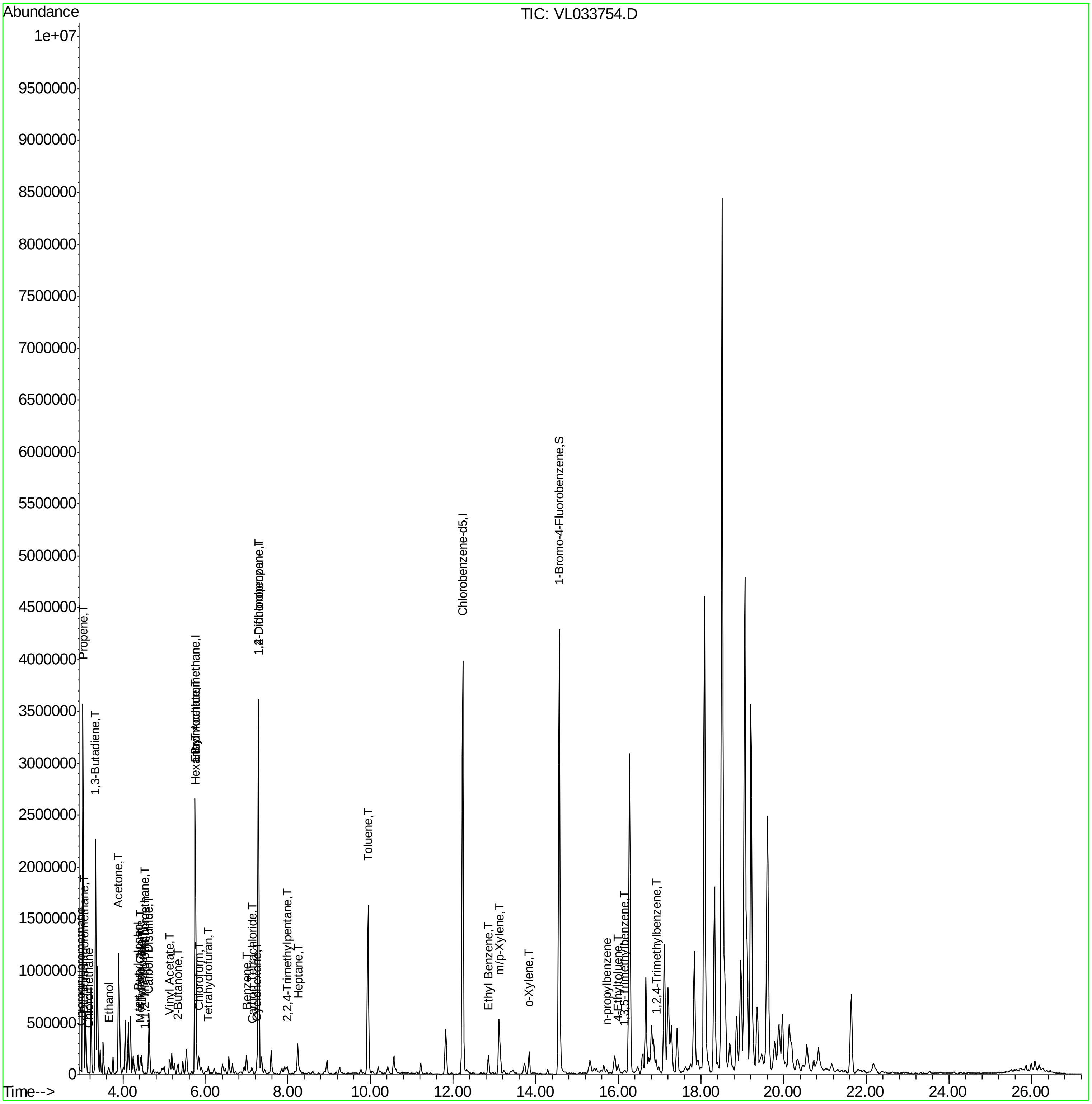
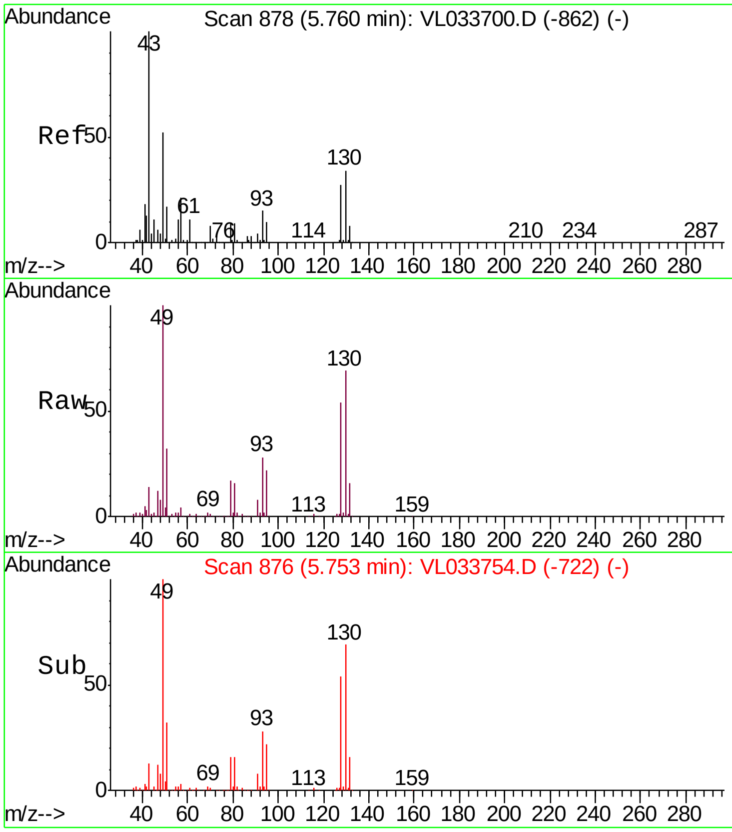
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL



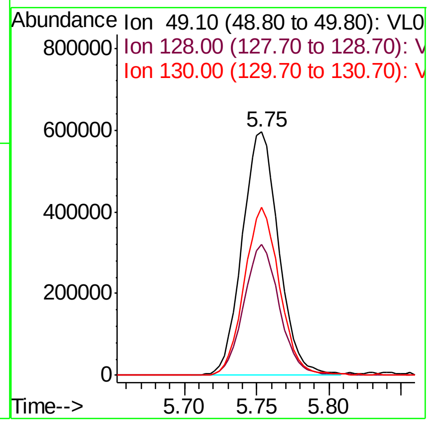


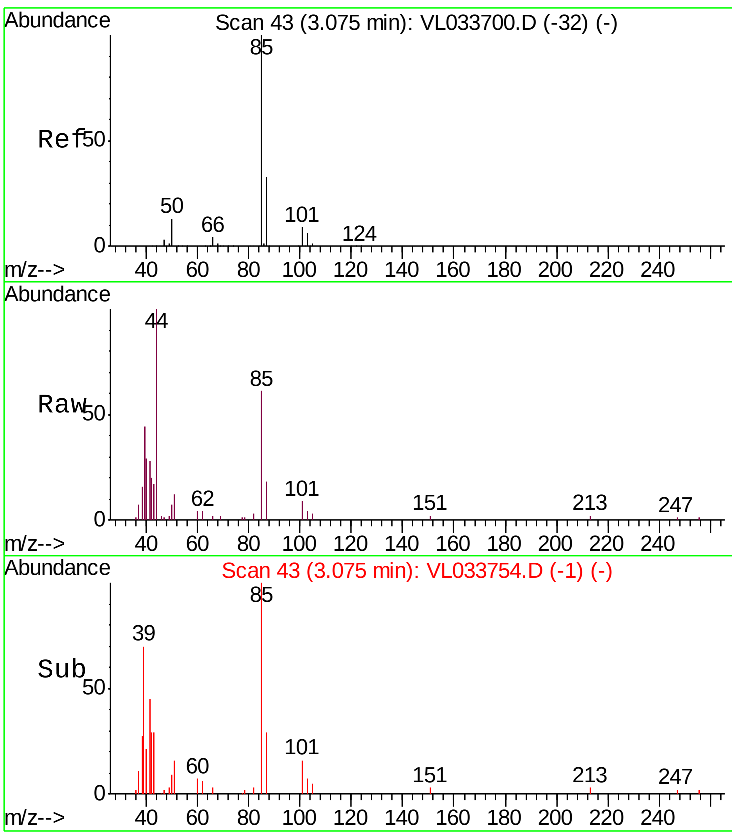
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

Tgt Ion: 49 Resp: 1044703

Ion	Ratio	Lower	Upper
49	100		
128	52.7	25.2	75.6
130	67.2	32.5	97.5

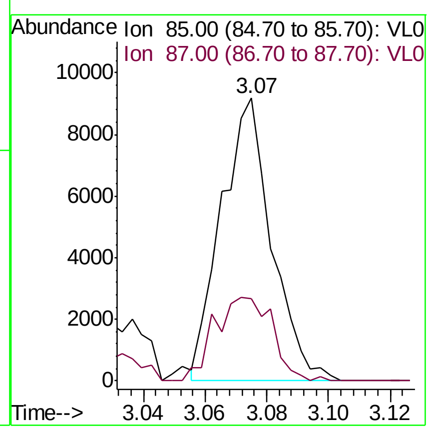




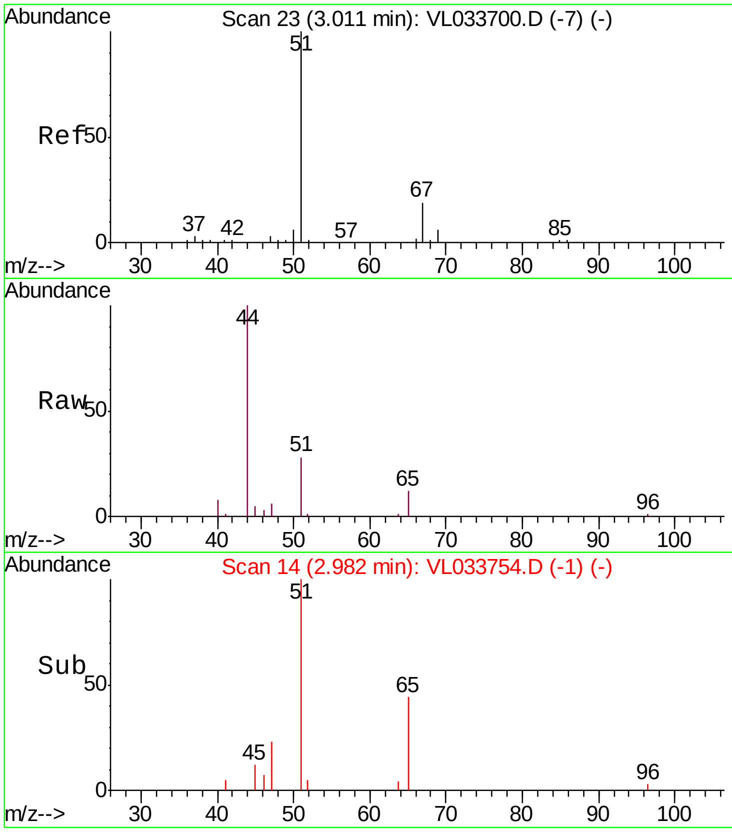
#2
Dichlorodifluoromethane
Concen: 0.047 ppbv
RT: 3.07 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 85 Resp: 10407

Ion	Ratio	Lower	Upper
85	100		
87	29.1	26.3	39.5



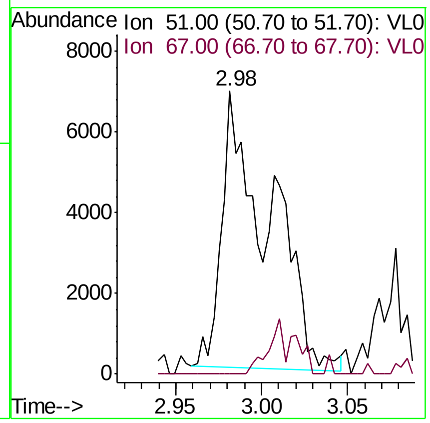
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

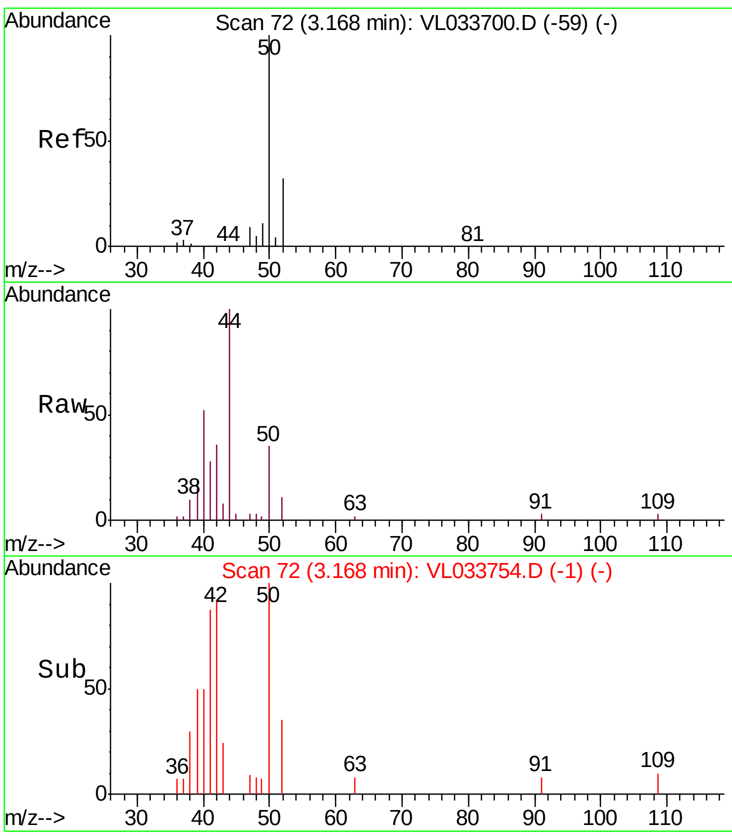


#3
Chlorodifluoromethane
Concen: 0.109 ppbv
RT: 2.98 min Scan# 14
Delta R.T.   -0.03 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 51 Resp: 13071

Ion	Ratio	Lower	Upper
51	100		
67	11.5	15.6	23.4#

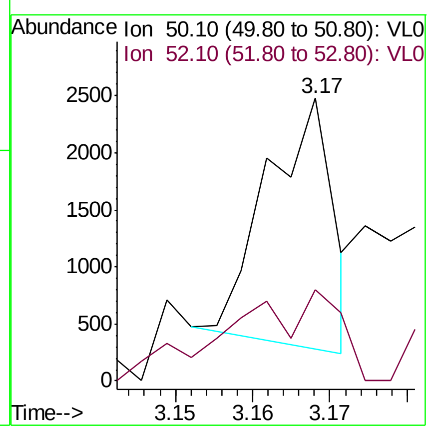


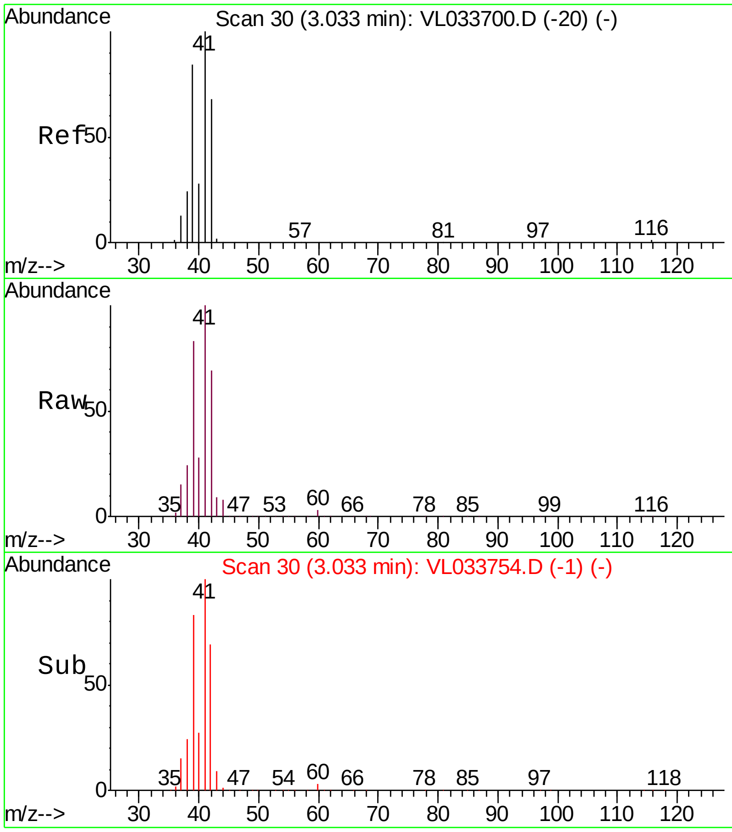


#4
Chloromethane
Concen: 0.019 ppbv
RT: 3.17 min Scan# 72
Delta R.T.   0.00 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 50 Resp: 1285

Ion	Ratio	Lower	Upper
50	100		
52	29.5	25.7	38.5



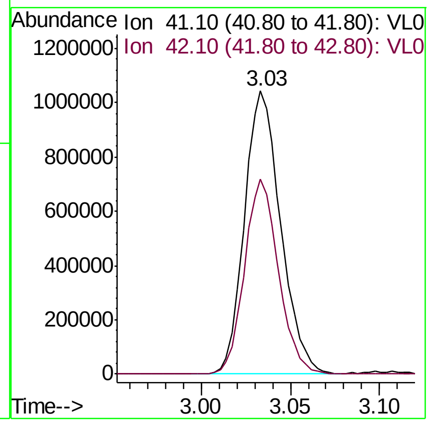


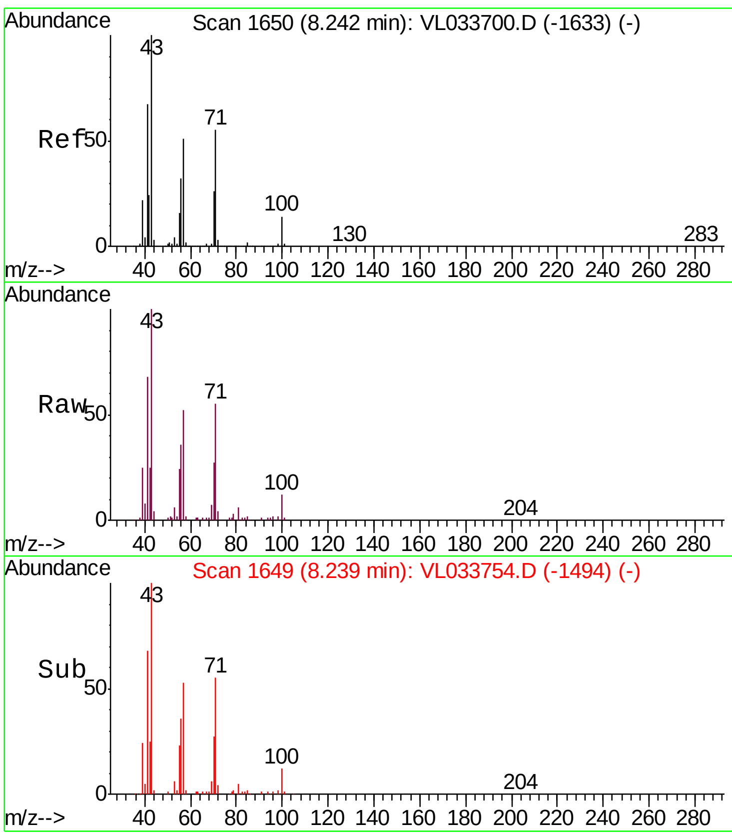
#9
Propene
Concen: 29.170 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

Tgt Ion: 41 Resp: 1484722

Ion	Ratio	Lower	Upper
41	100		
42	64.8	56.1	84.1

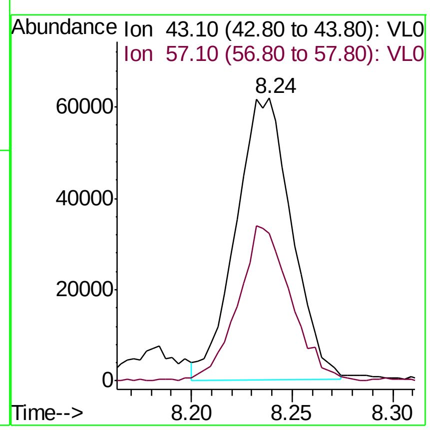


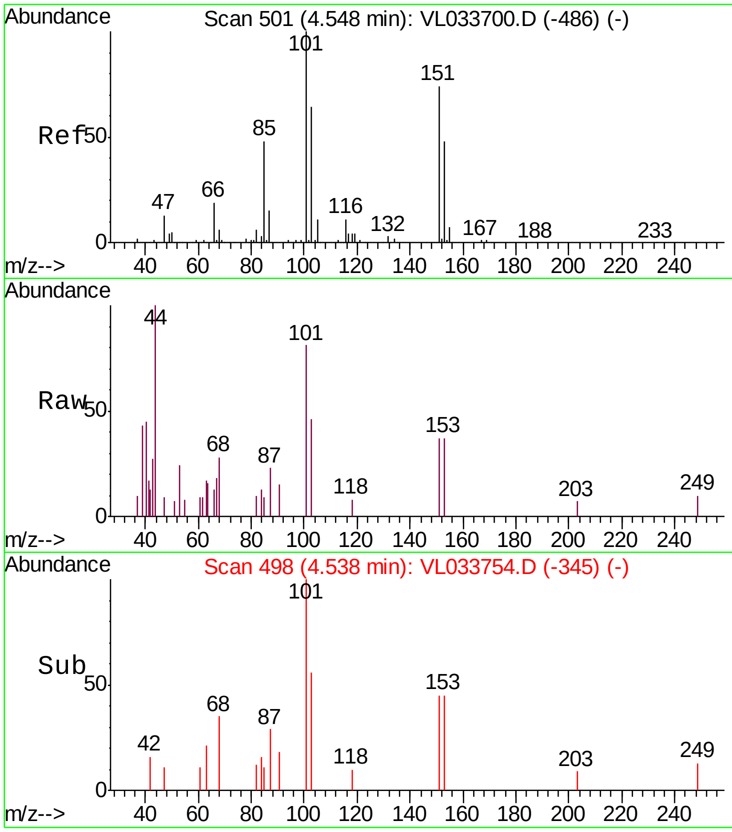


#10
Heptane
Concen: 0.831 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 43 Resp: 119751

Ion	Ratio	Lower	Upper
43	100		
57	53.4	41.4	62.0



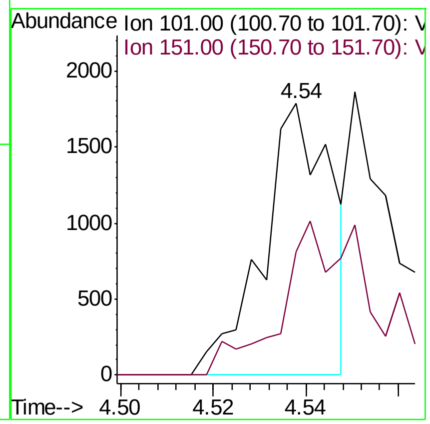


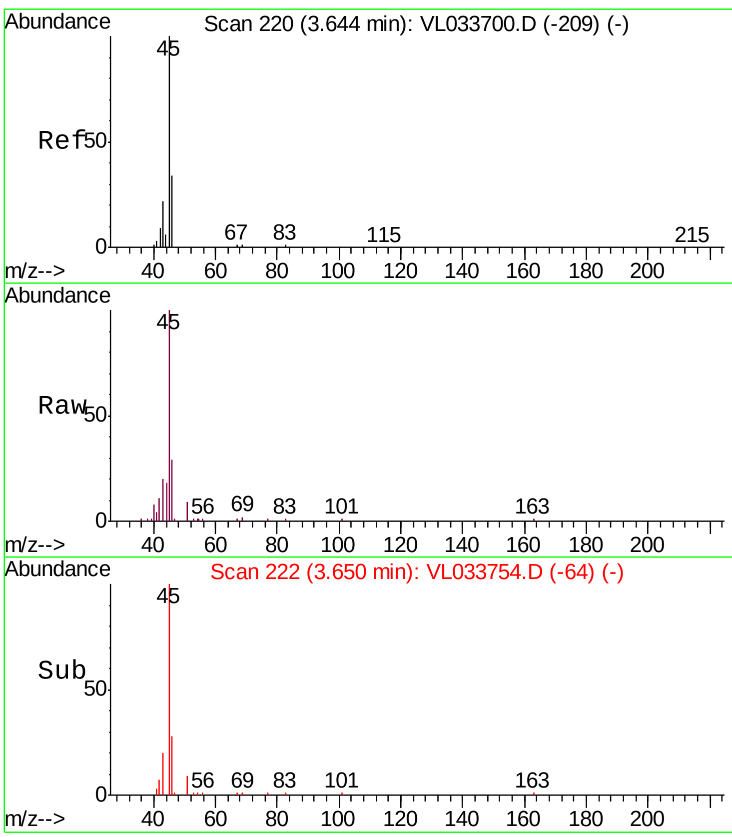
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.012 ppbv
RT: 4.54 min Scan# 498
Delta R.T. -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

Tgt Ion:101 Resp: 1826

Ion	Ratio	Lower	Upper
101	100		
151	74.4	58.2	87.4

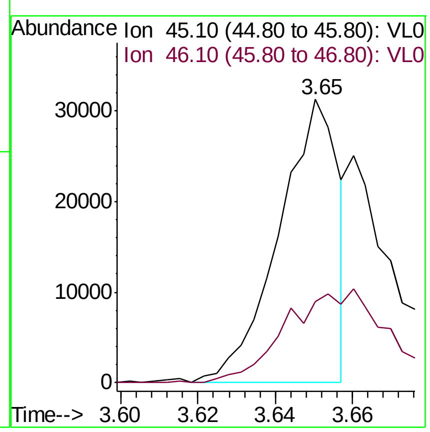


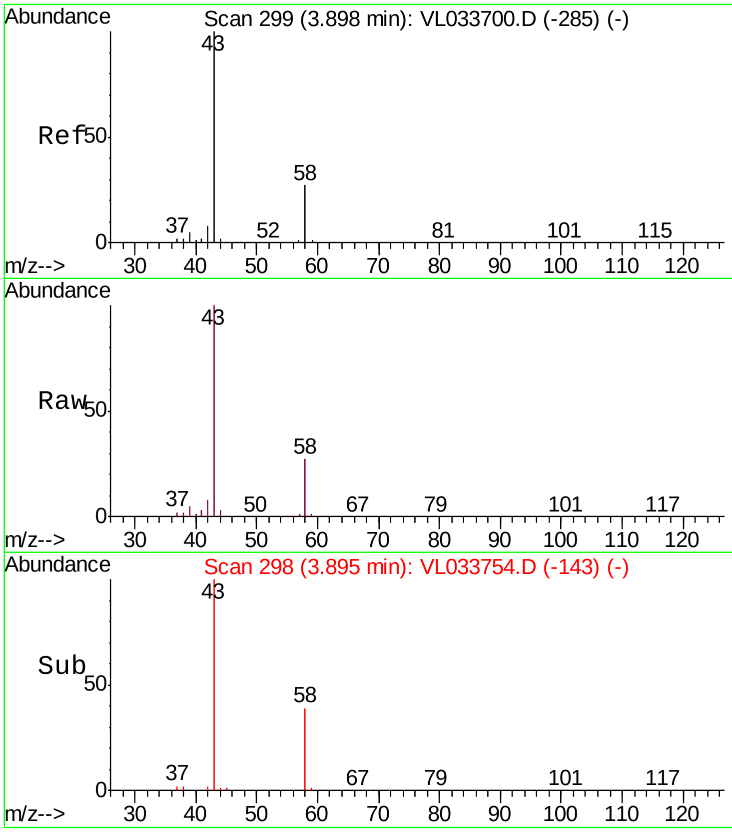


#13
Ethanol
Concen: 2.034 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 45 Resp: 33457

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.8	59.0#



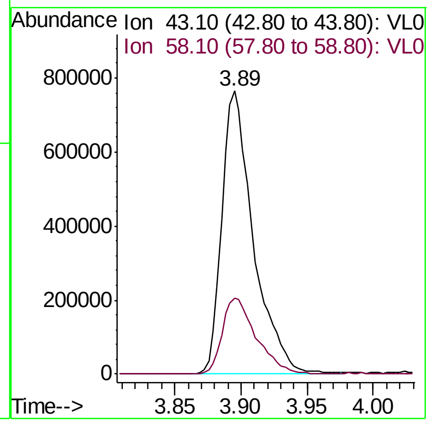


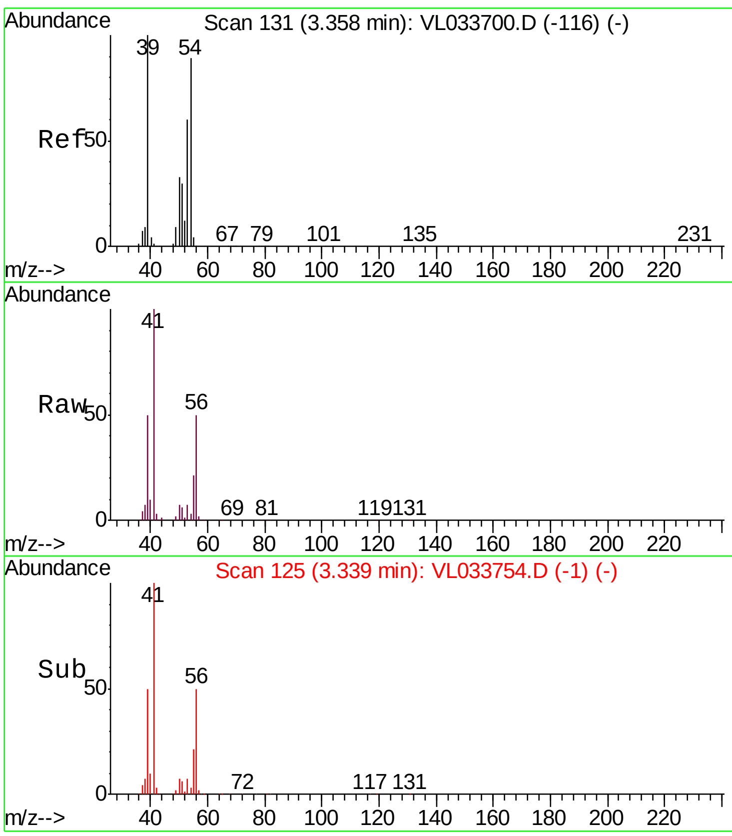
#15
Acetone
Concen: 8.742 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

Tgt Ion: 43 Resp: 1267060

Ion	Ratio	Lower	Upper
43	100		
58	29.1	21.3	31.9

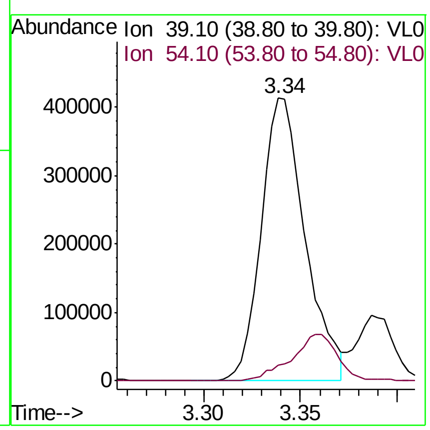


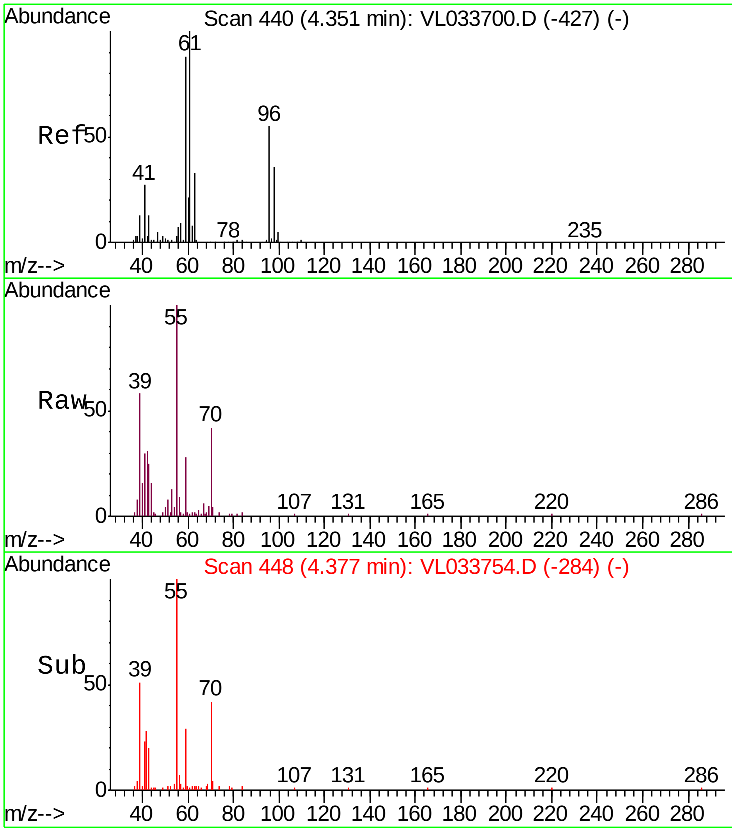


#16
1,3-Butadiene
Concen: 11.281 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 39 Resp: 651144

Ion	Ratio	Lower	Upper
39	100		
54	17.7	69.0	103.6#



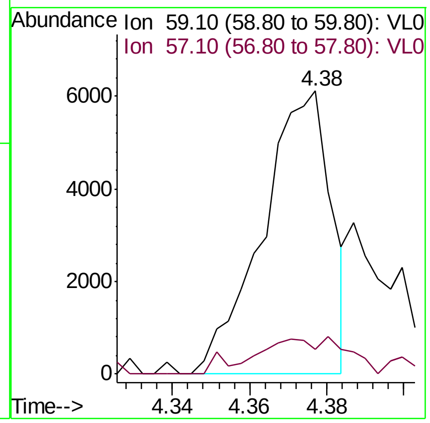


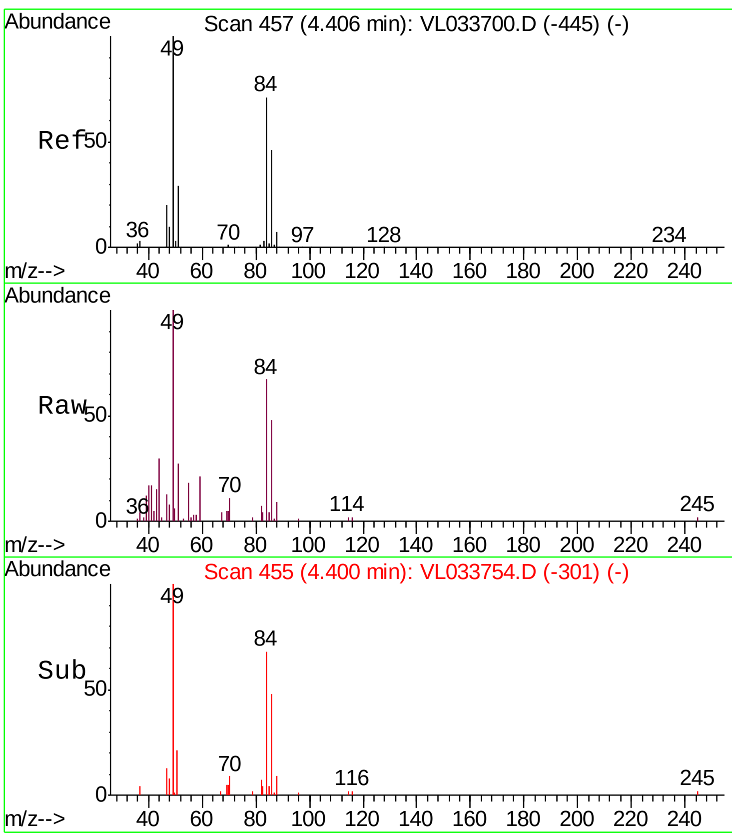
#17
tert-Butyl alcohol
Concen: 0.064 ppbv
RT: 4.38 min   Scan# 448
Delta R.T.   0.03 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

Tgt Ion: 59 Resp: 7532

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

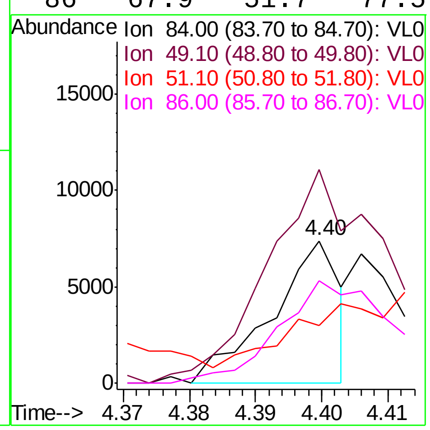




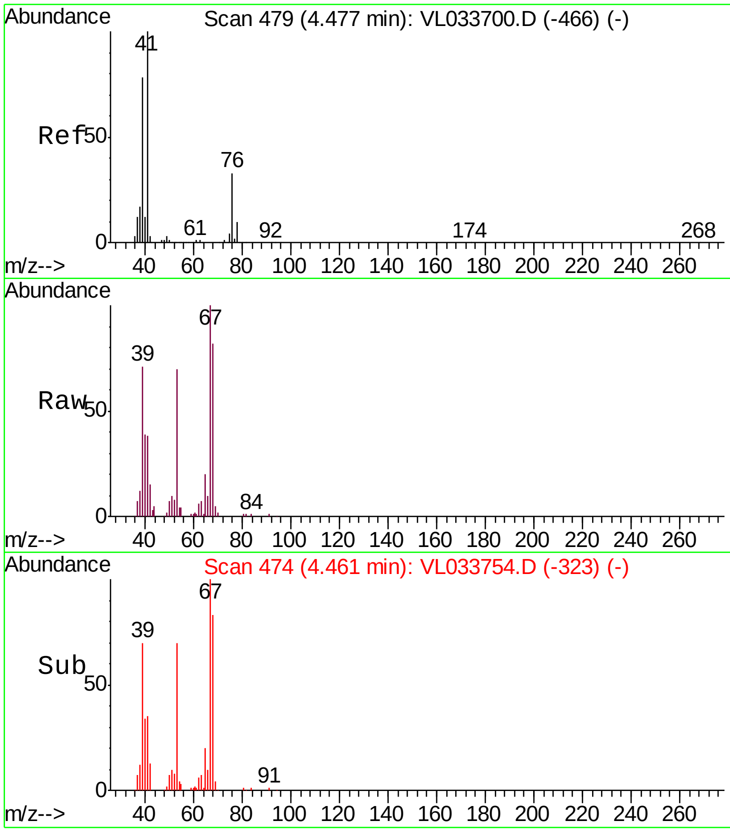
#20
Methylene Chloride
Concen: 0.095 ppbv
RT: 4.40 min   Scan# 455
Delta R.T.   -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 84 Resp: 5301

Ion	Ratio	Lower	Upper
84	100		
49	149.6	112.8	169.2
51	15.5	33.4	50.0#
86	67.9	51.7	77.5



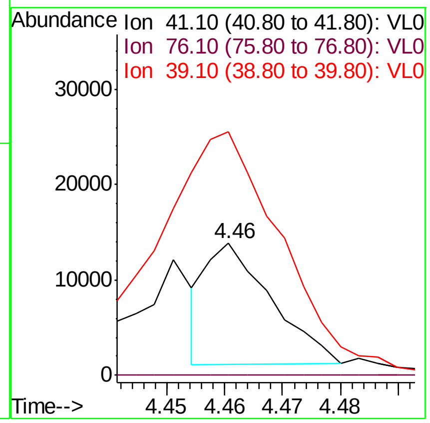
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

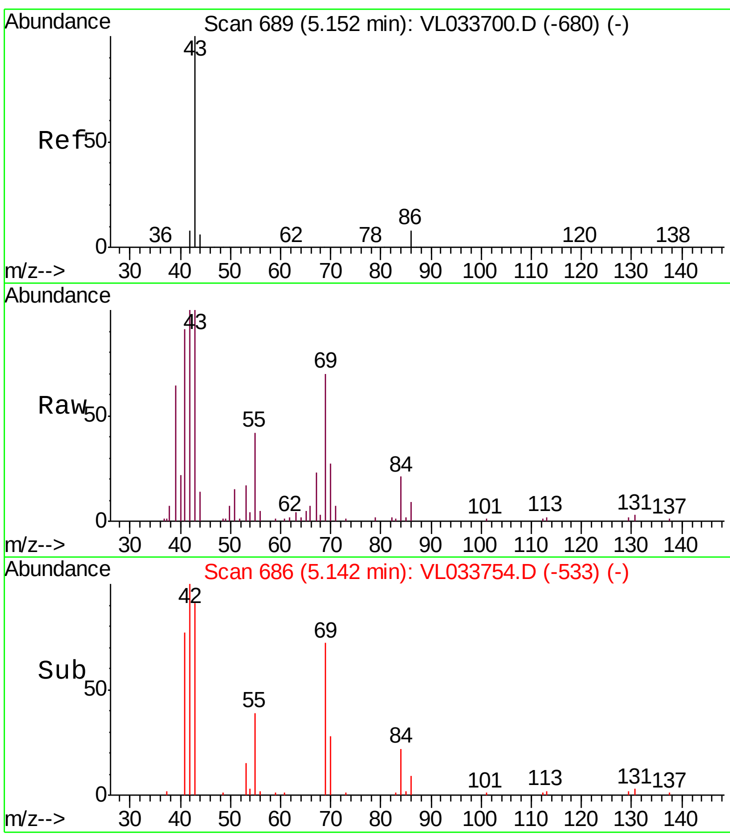


#21
Allyl Chloride
Concen: 0.109 ppbv
RT: 4.46 min Scan# 474
Delta R.T. -0.02 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 41 Resp: 9846

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.9	38.9#
39	590.1	64.6	97.0#

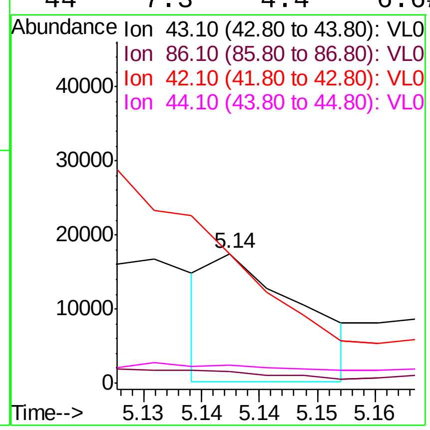


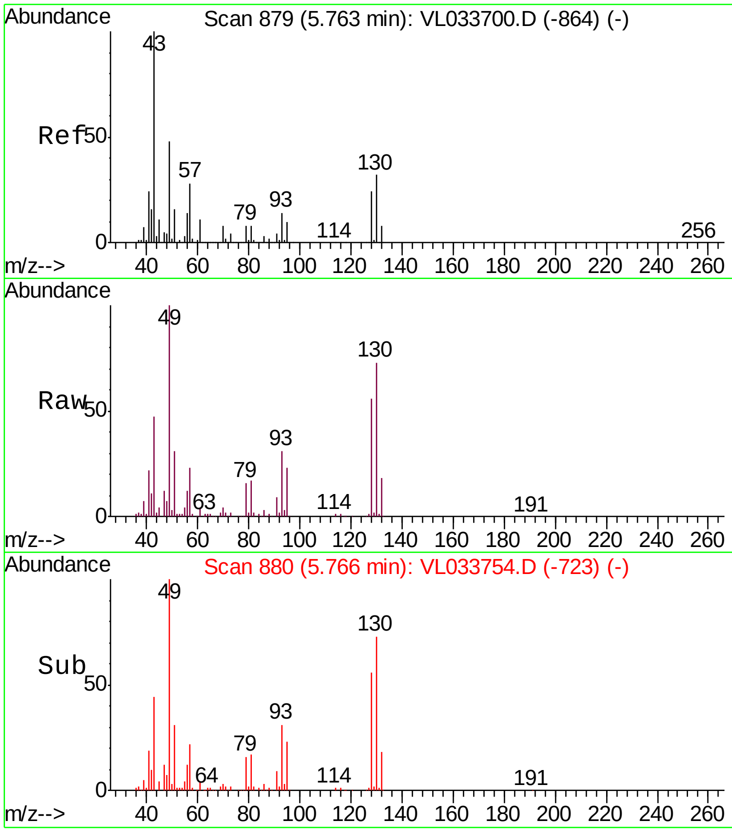


#23
Vinyl Acetate
Concen: 0.049 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 43 Resp: 9281

Ion	Ratio	Lower	Upper
43	100		
86	10.3	6.0	9.0#
42	125.0	7.5	11.3#
44	7.3	4.4	6.6#



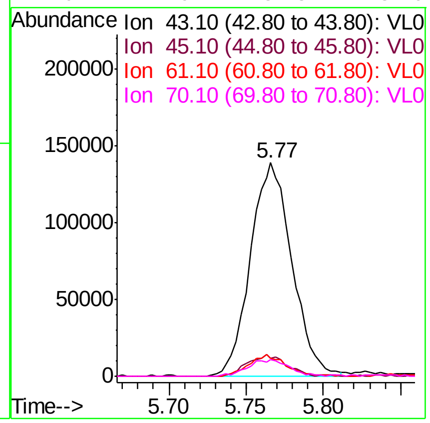


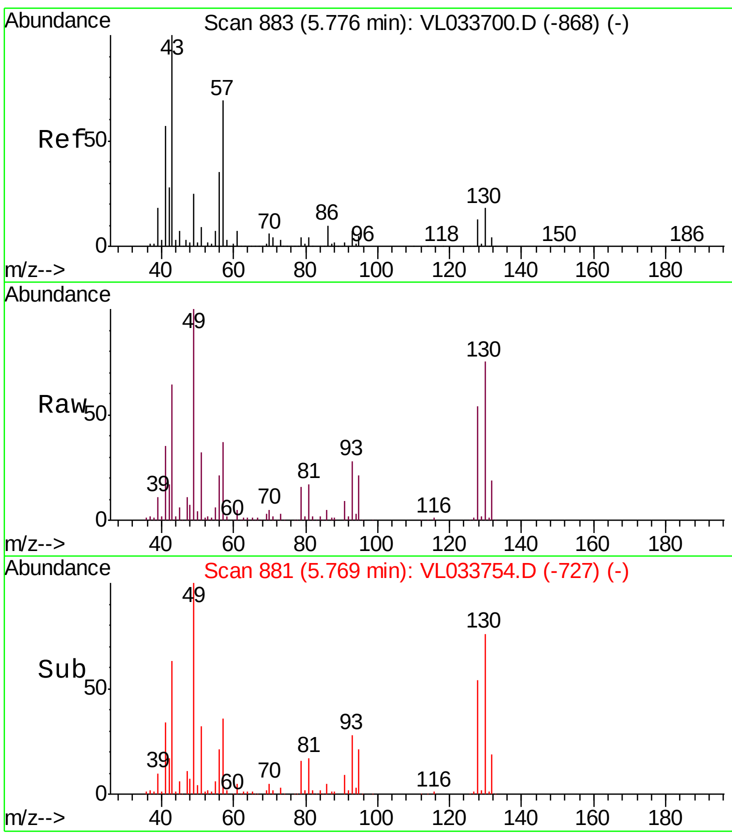
#25
Ethyl Acetate
Concen: 1.019 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

Tgt Ion: 43 Resp: 259381

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	9.0	7.7	11.5
70	7.9	5.8	8.6

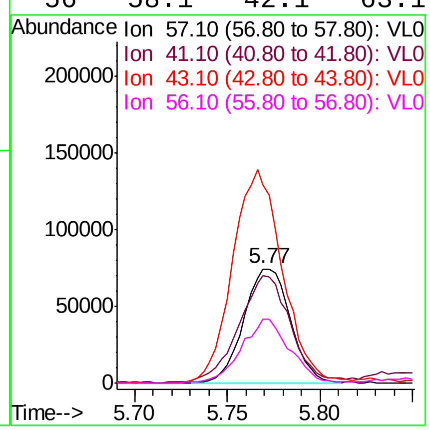


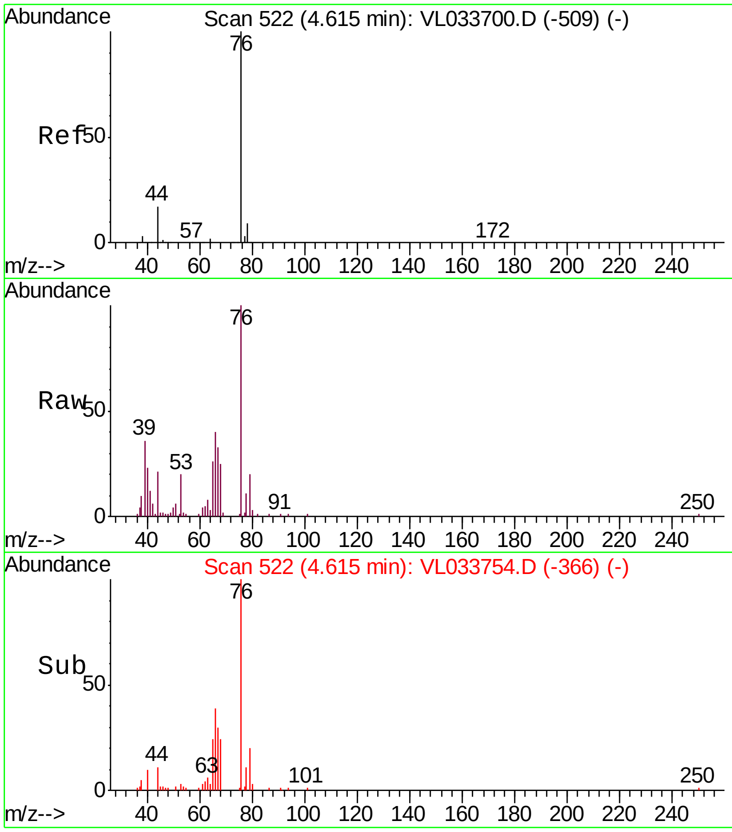


#26
Hexane
Concen: 1.189 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 57 Resp: 130116

Ion	Ratio	Lower	Upper
57	100		
41	103.3	69.8	104.6
43	203.1	181.8	272.6
56	58.1	42.1	63.1



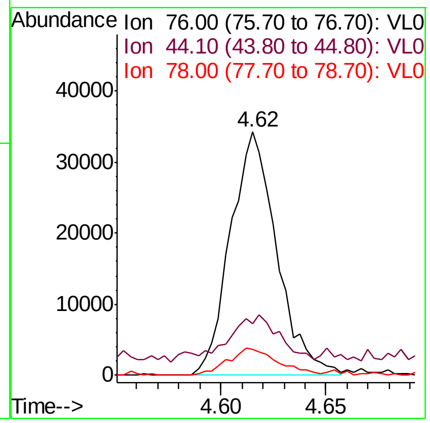


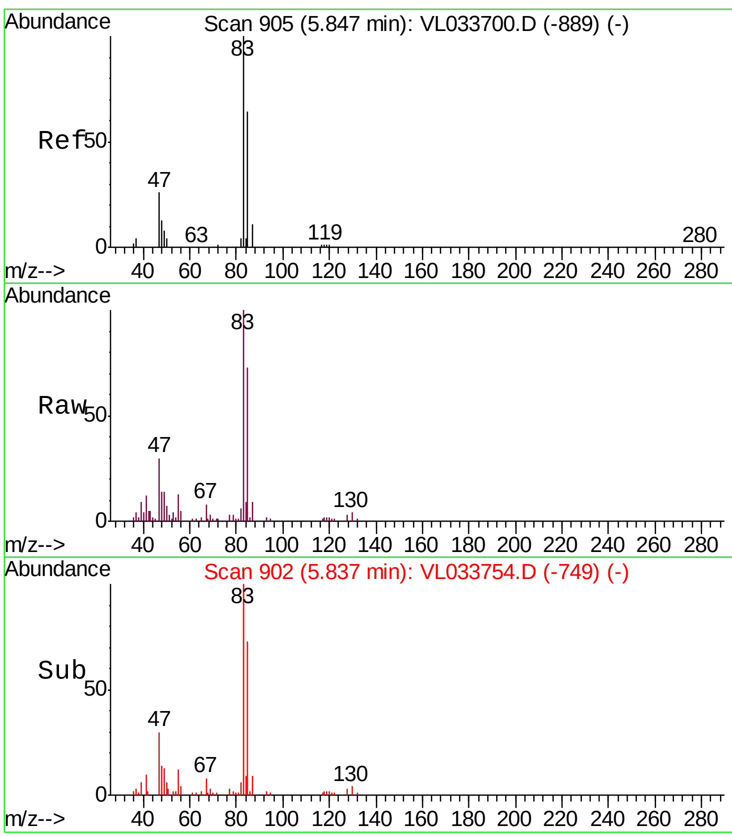
#27
Carbon Disulfide
Concen: 0.349 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

Tgt Ion: 76 Resp: 52414

Ion	Ratio	Lower	Upper
76	100		
44	25.1	13.8	20.8#
78	13.2	7.4	11.0#

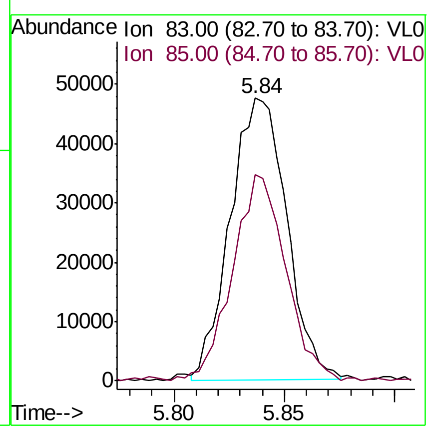


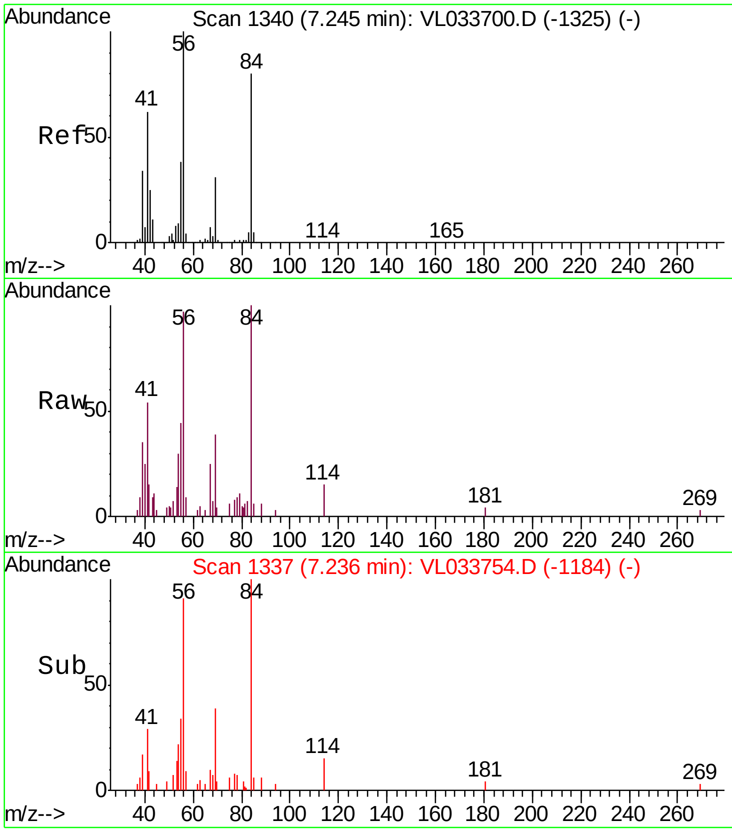


#29
Chloroform
Concen: 0.420 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 83 Resp: 84677

Ion	Ratio	Lower	Upper
83	100		
85	74.3	51.5	77.3



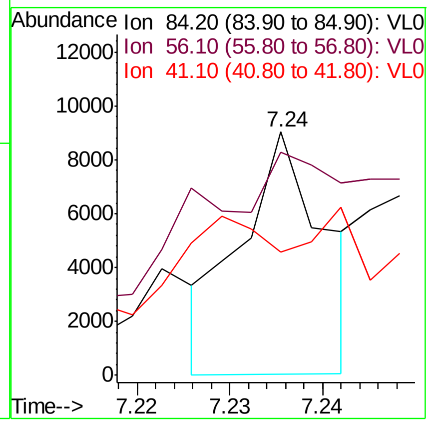


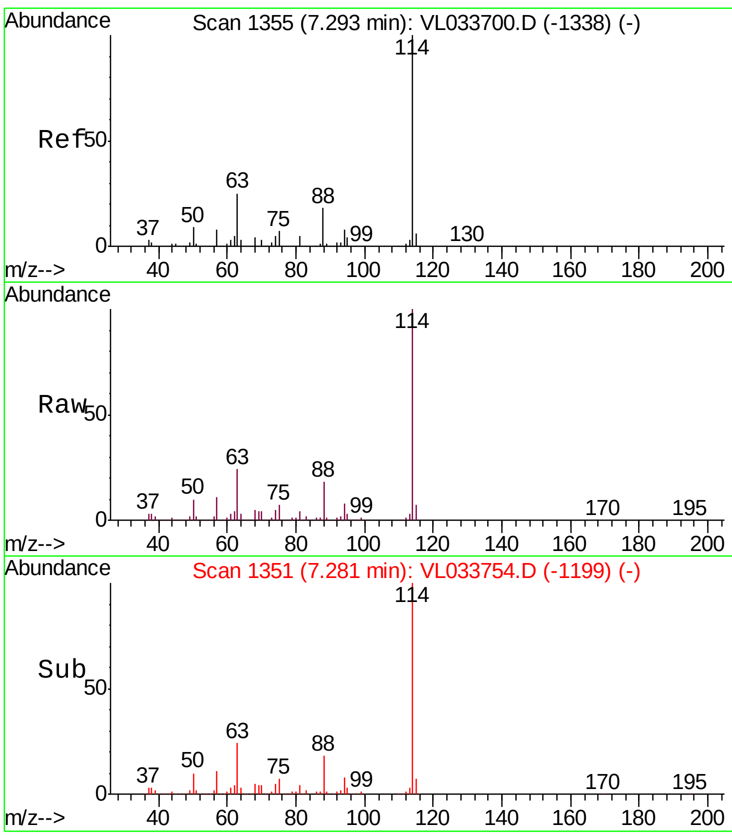
#30
Cyclohexane
Concen: 0.061 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

Tgt Ion: 84 Resp: 5590

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	0.0	66.0	99.0#

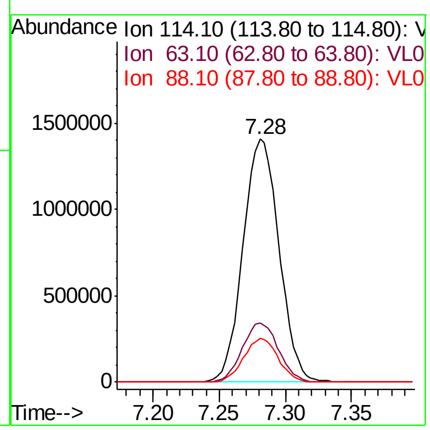


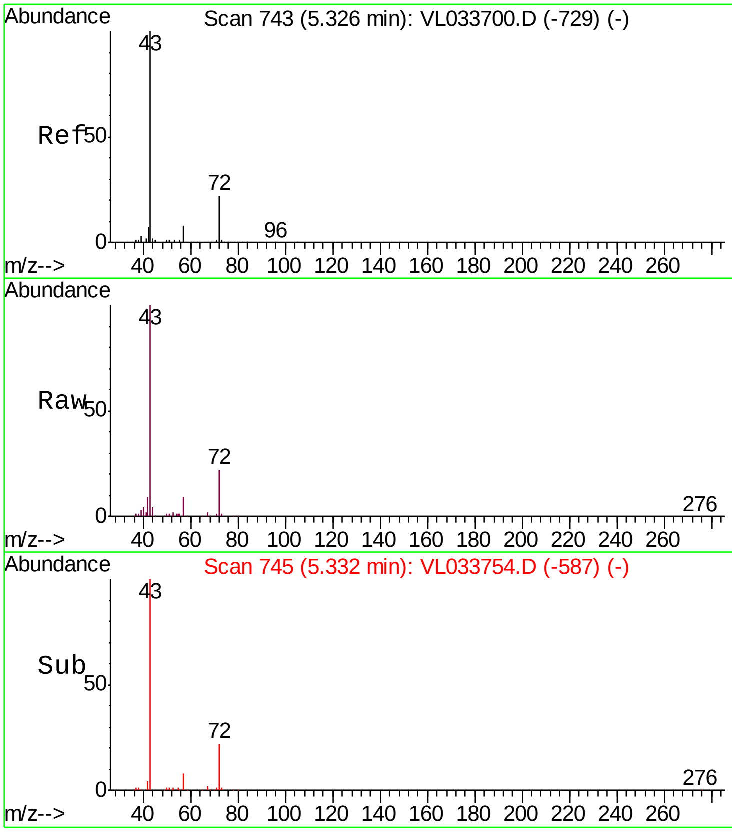


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion:114 Resp: 2664588

Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.9	31.3
88	17.5	14.3	21.5



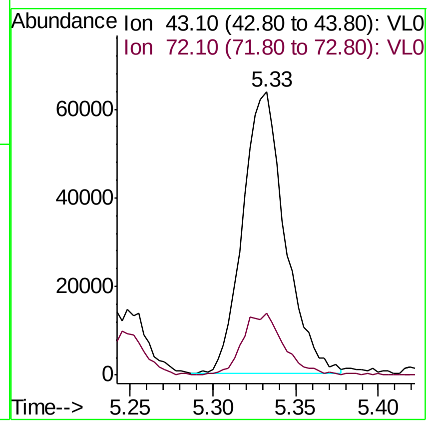


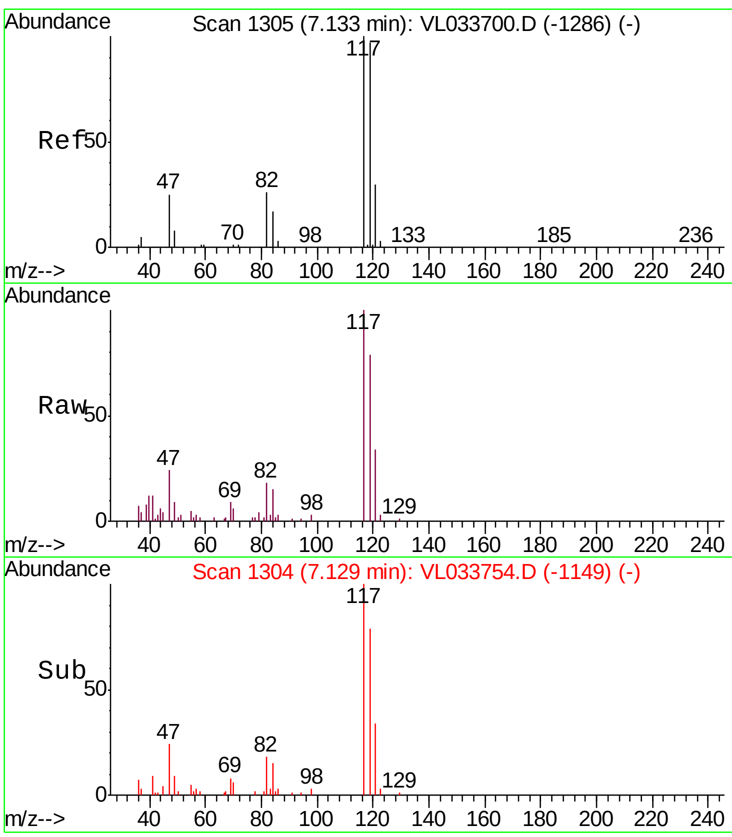
#34
2-Butanone
Concen: 0.683 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

Tgt Ion: 43 Resp: 112766

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.8	26.6

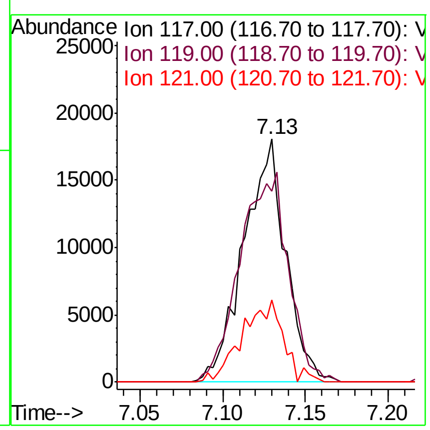


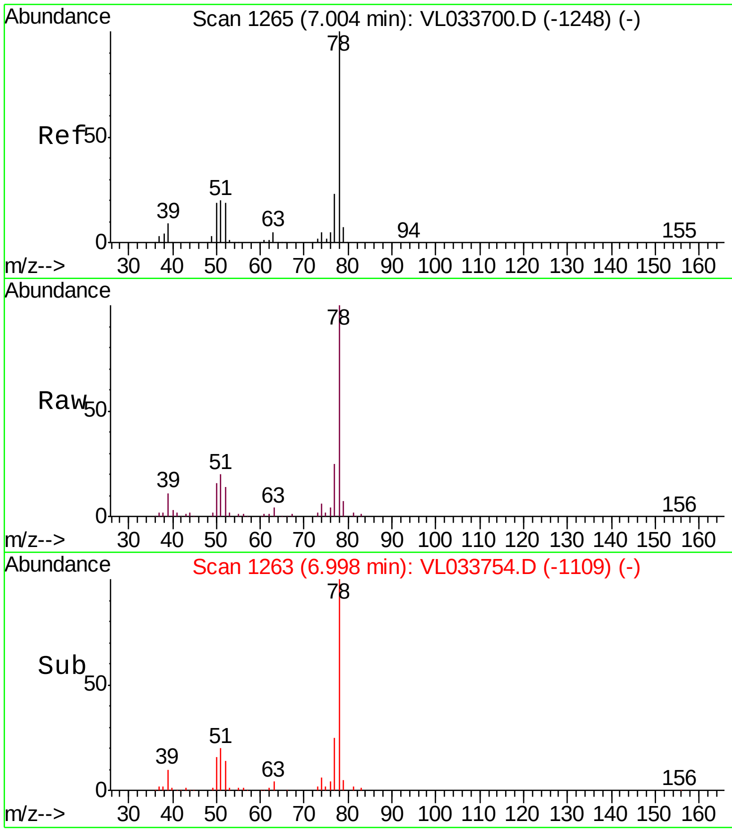


#35
Carbon Tetrachloride
Concen: 0.150 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion:117 Resp: 32027

Ion	Ratio	Lower	Upper
117	100		
119	78.7	77.2	115.8
121	33.8	24.1	36.1



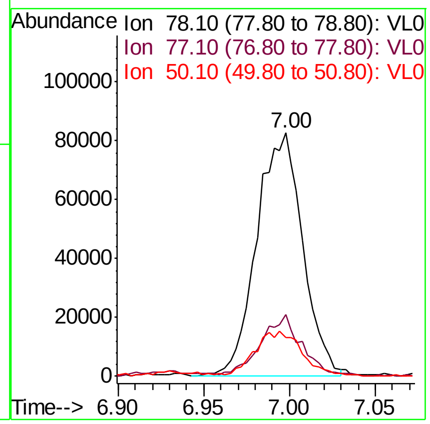


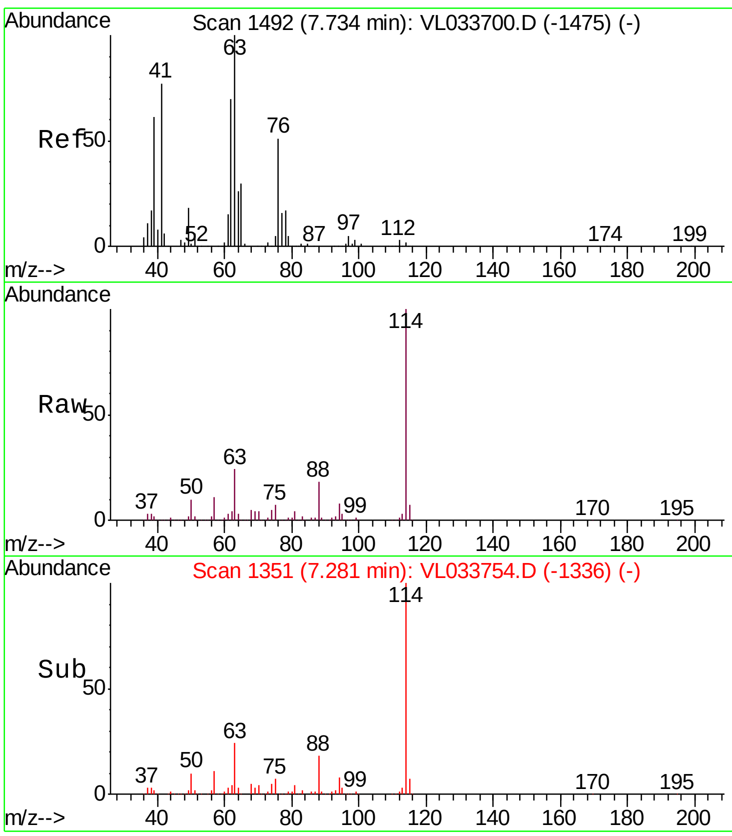
#36
Benzene
Concen: 0.626 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

Tgt Ion: 78 Resp: 151786

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.4	27.6
50	15.0	15.5	23.3#

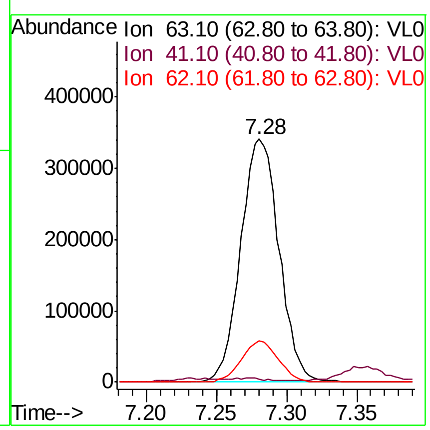


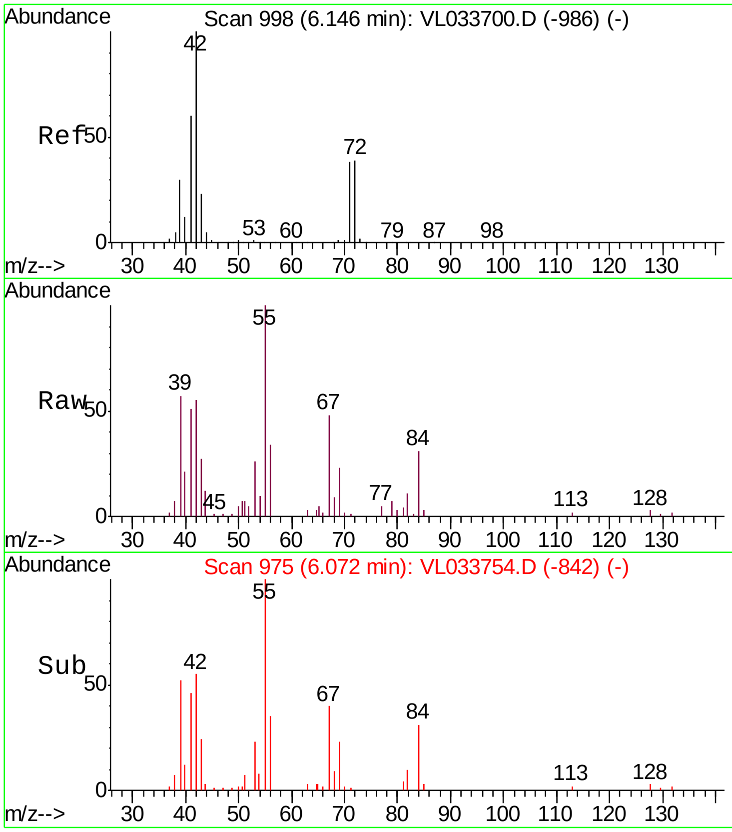


#39
1,2-Dichloropropane
Concen: 7.206 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.45 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 63 Resp: 651174

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	17.0	56.2	84.4#



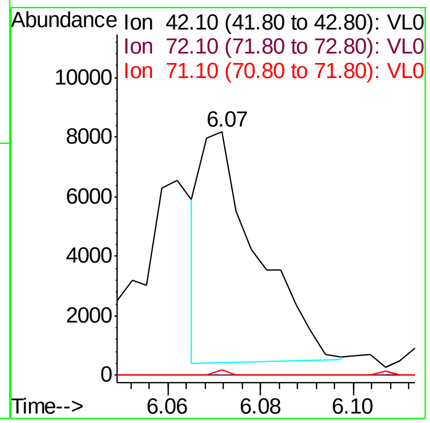


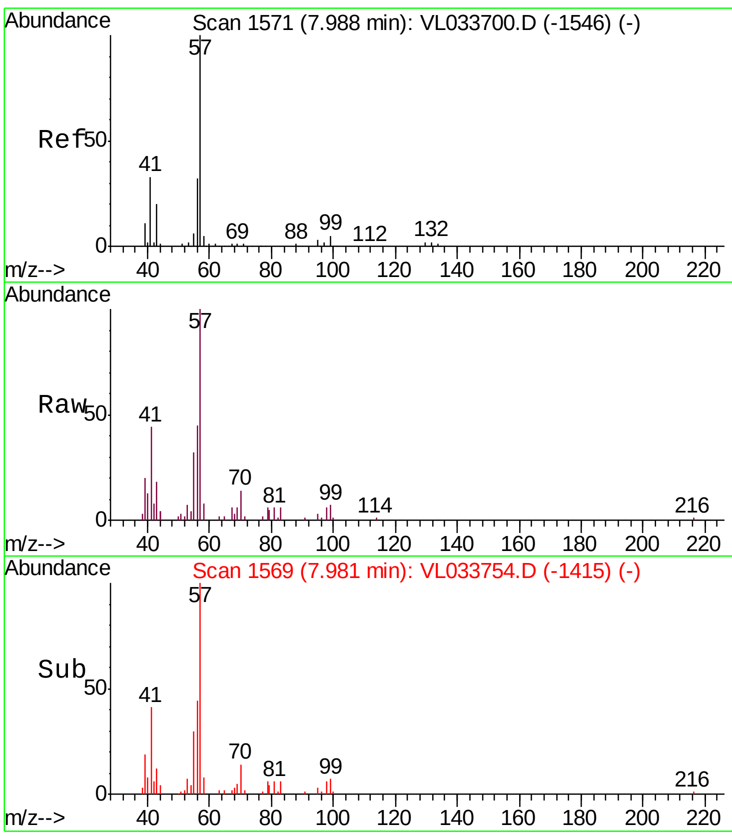
#41
Tetrahydrofuran
Concen: 0.070 ppbv
RT: 6.07 min Scan# 975
Delta R.T. -0.07 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3001-55DL

Tgt Ion: 42 Resp: 6486

Ion	Ratio	Lower	Upper
42	100		
72	11.1	32.0	48.0#
71	12.1	30.4	45.6#

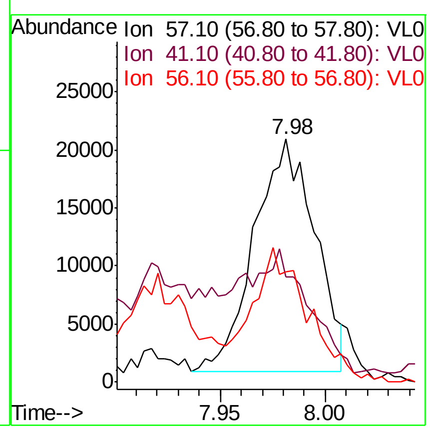


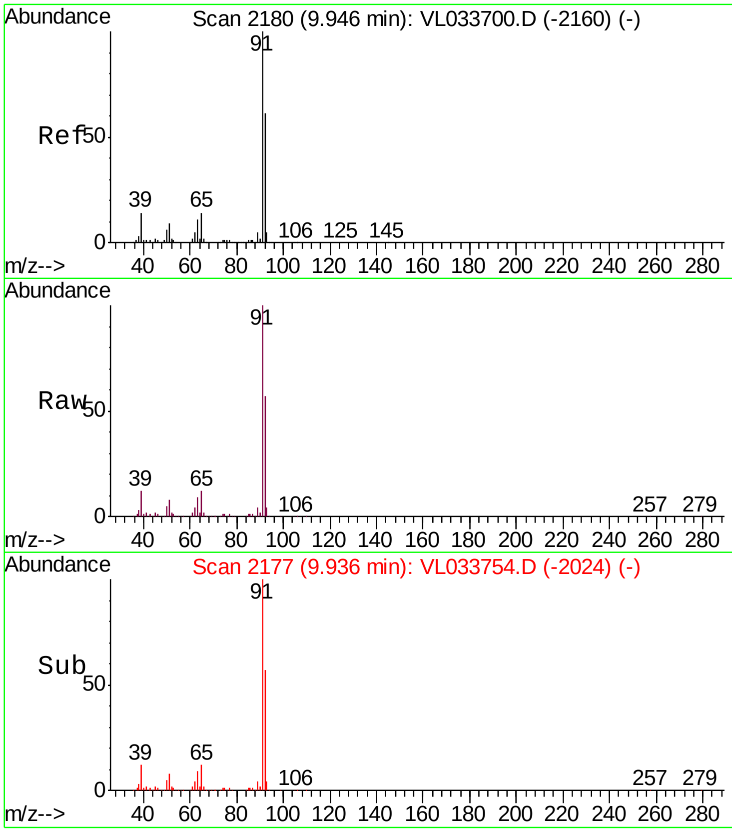


#44
2,2,4-Trimethylpentane
Concen: 0.097 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 57 Resp: 39876

Ion	Ratio	Lower	Upper
57	100		
41	75.7	25.4	38.0#
56	52.2	24.7	37.1#



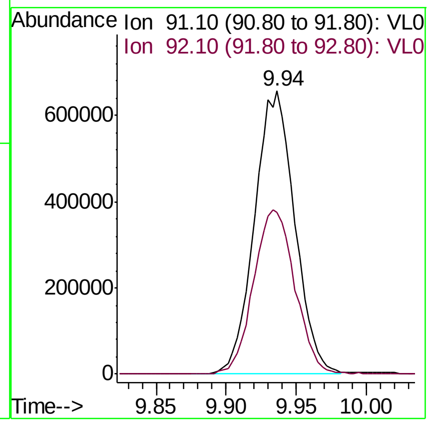


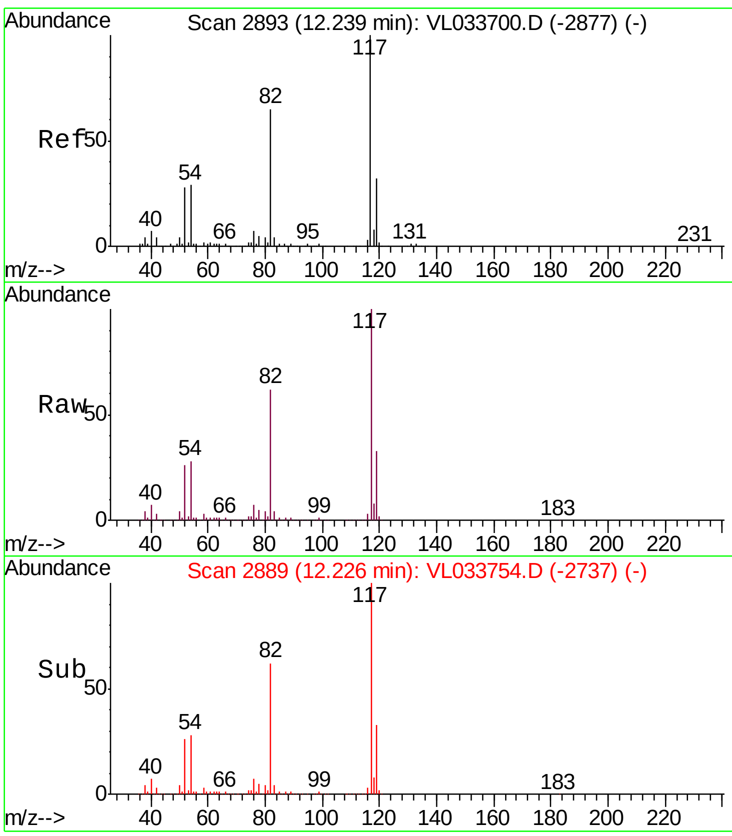
#53
Toluene
Concen: 5.006 ppbv
RT: 9.94 min Scan# 2177
Delta R.T.   -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion: 91 Resp: 1308619

Ion	Ratio	Lower	Upper
91	100		
92	60.0	47.6	71.4

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

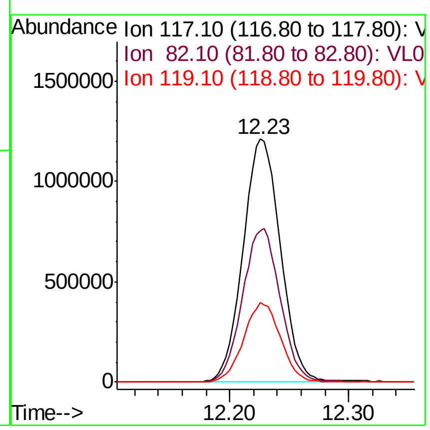




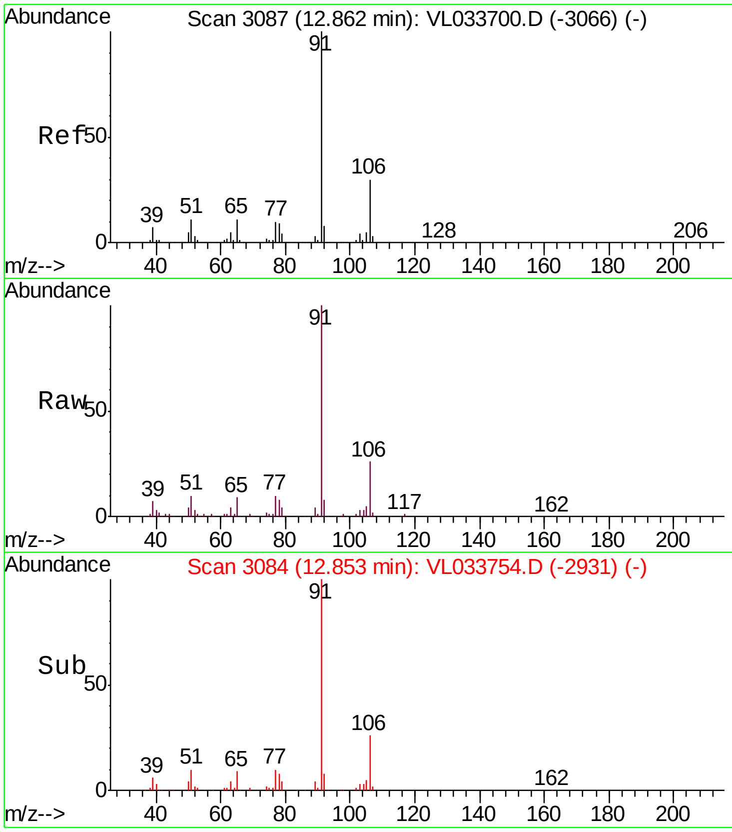
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T.   -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion:117 Resp: 2642770

Ion	Ratio	Lower	Upper
117	100		
82	63.6	49.4	74.0
119	32.6	24.9	37.3



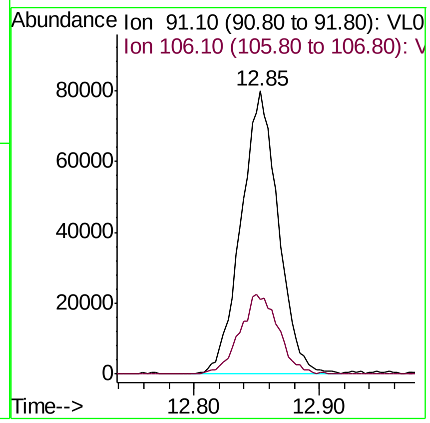
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

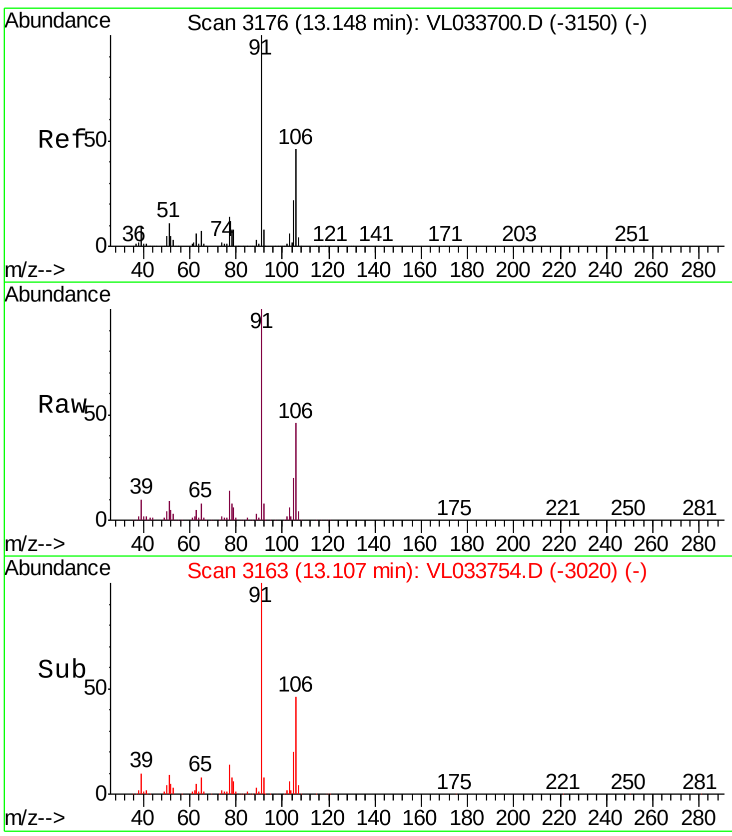


#58
Ethyl Benzene
Concen: 0.471 ppbv
RT: 12.85 min   Scan# 3084
Delta R.T.   -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019   21:26

Tgt Ion: 91 Resp: 164861

Ion	Ratio	Lower	Upper
91	100		
106	26.2	23.9	35.9

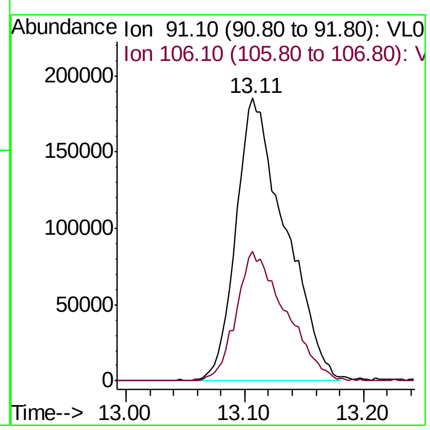


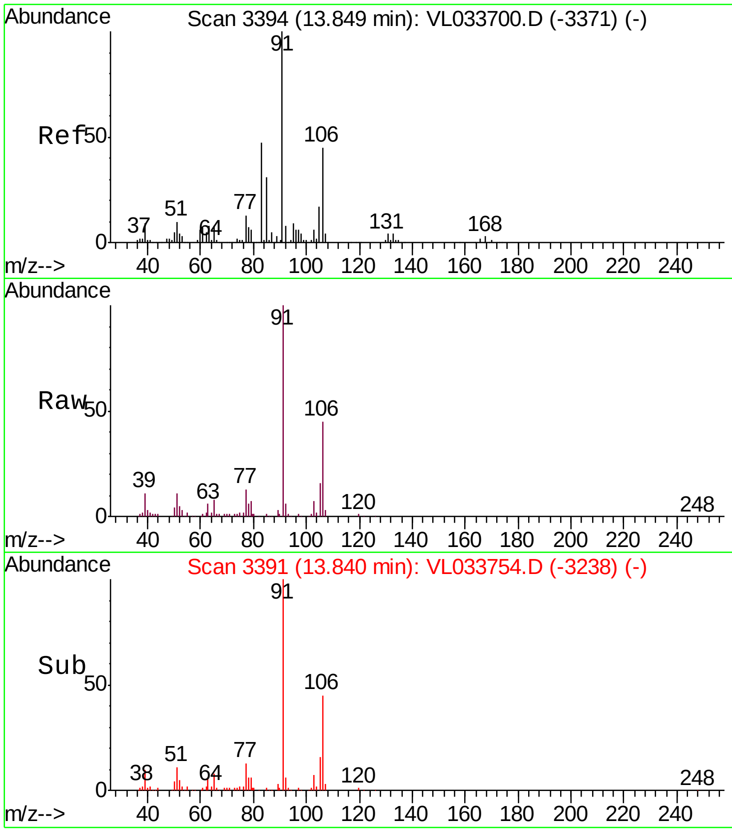


#59
m/p-Xylene
Concen: 1.732 ppbv
RT: 13.11 min   Scan# 3163
Delta R.T.   -0.04 min
Lab File: VL033754.D
Acq: 22 May 2019   21:26

Tgt Ion: 91 Resp: 529751

Ion	Ratio	Lower	Upper
91	100		
106	46.1	35.8	53.6



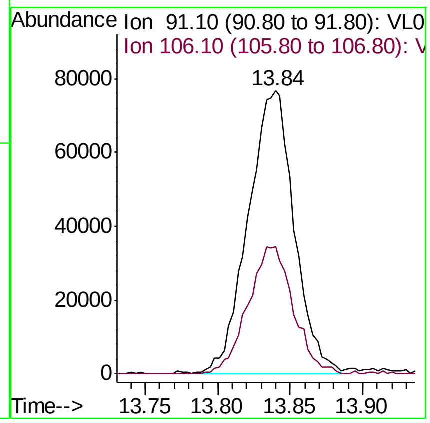


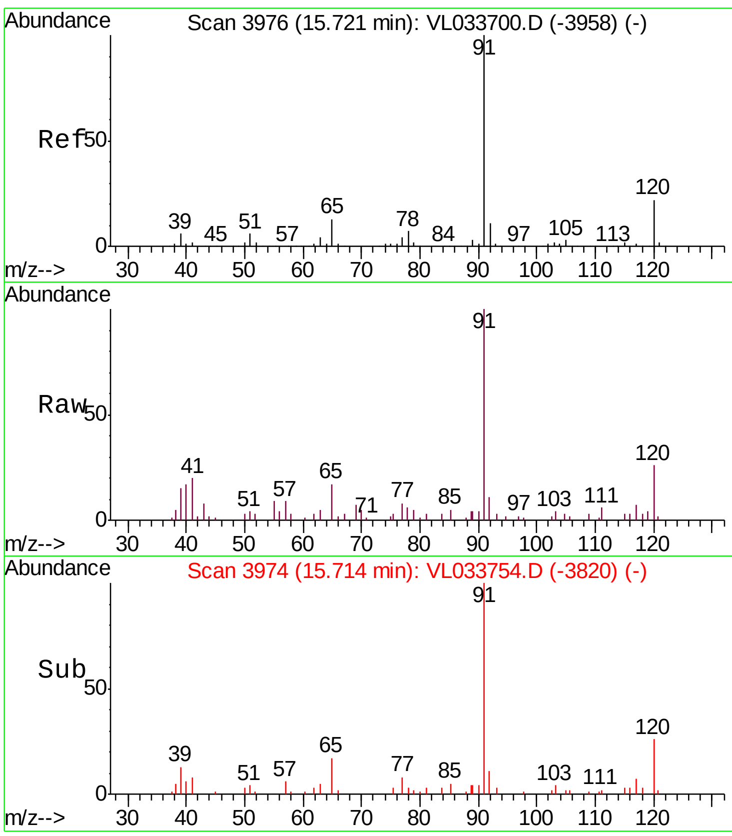
#60
o-Xylene
Concen: 0.546 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

Tgt Ion: 91 Resp: 168313

Ion	Ratio	Lower	Upper
91	100		
106	45.0	21.6	64.8

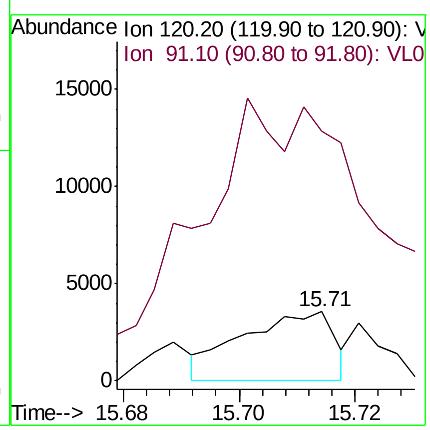


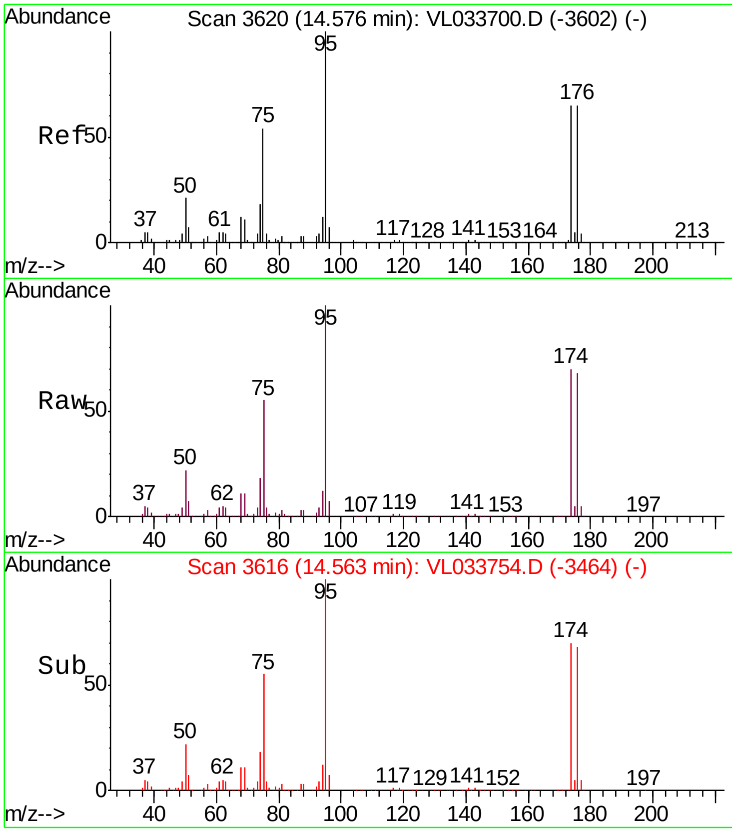


#64
n-propylbenzene
Concen: 0.036 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion:120 Resp: 3912

Ion	Ratio	Lower	Upper
120	100		
91	813.9	379.1	568.7#



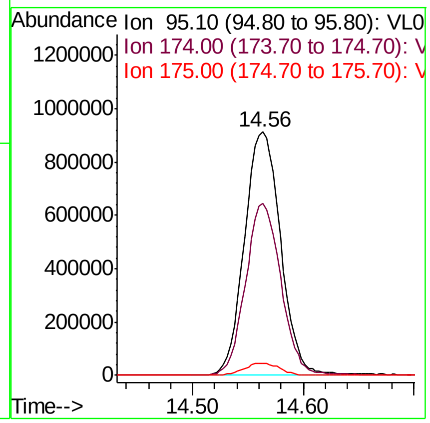


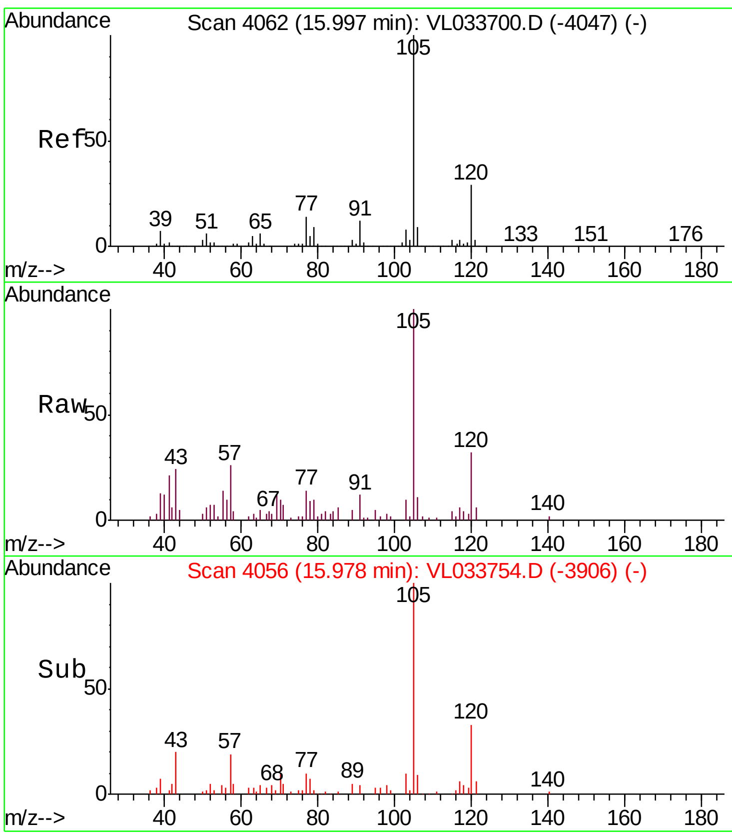
#68
1-Bromo-4-Fluorobenzene
Concen: 9.715 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-55DL

Tgt Ion: 95 Resp: 2081280

Ion	Ratio	Lower	Upper
95	100		
174	69.5	53.9	80.9
175	4.9	3.8	5.8

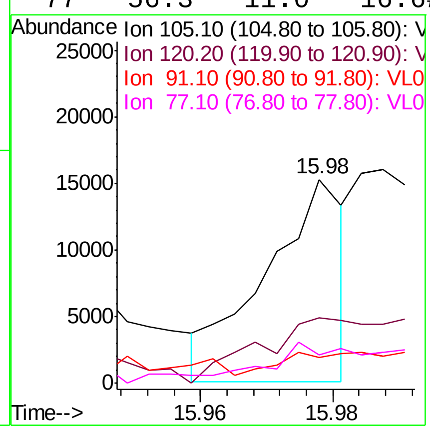


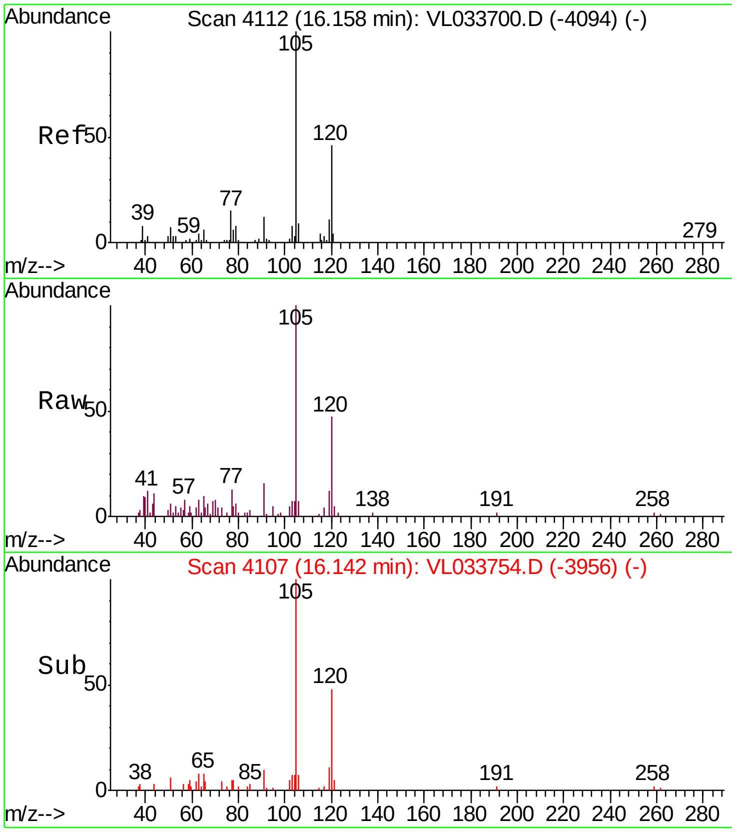


#72
4-Ethyltoluene
Concen: 0.036 ppbv
RT: 15.98 min Scan# 4056
Delta R.T. -0.02 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion:105 Resp: 12563

Ion	Ratio	Lower	Upper
105	100		
120	91.7	23.1	34.7#
91	0.0	10.4	15.6#
77	56.3	11.0	16.6#



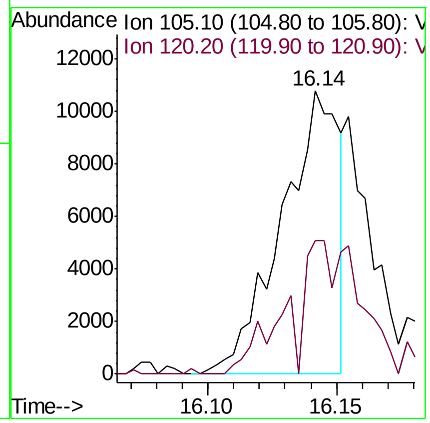


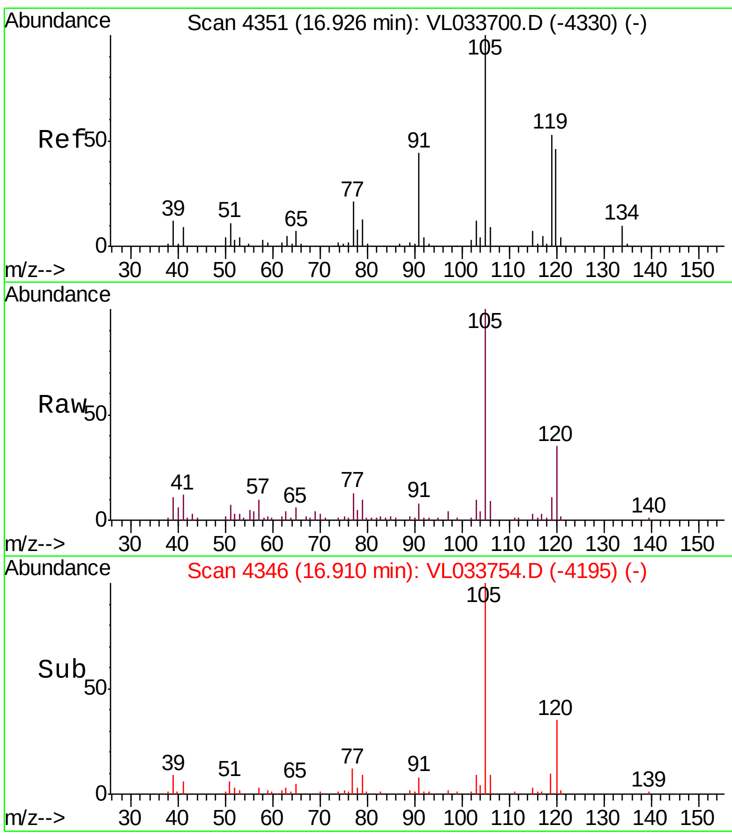
#73
1,3,5-Trimethylbenzene
Concen: 0.048 ppbv
RT: 16.14 min Scan# 4107
Delta R.T. -0.02 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3001-55DL

Tgt Ion:105 Resp: 16607

Ion	Ratio	Lower	Upper
105	100		
120	45.4	37.0	55.4





#74
1,2,4-Trimethylbenzene
Concen: 0.256 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.02 min
Lab File: VL033754.D
Acq: 22 May 2019 21:26

Tgt Ion:105 Resp: 95741

Ion	Ratio	Lower	Upper
105	100		
120	34.6	36.8	55.2#
91	6.1	35.4	53.0#
77	12.5	16.8	25.2#