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

Quantitation Report (Not Reviewed)

Data File : VL033751.D
Acq On : 22 May 2019 19:28
Operator : SY/AP
Sample : K2929-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3001-25DL

Quant Time: May 23 04:23:36 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	879164	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2083122	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	2146561	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1827337	10.50	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	10364	0.056	ppbv #	88
3) Chlorodifluoromethane	3.01	51	6641	0.066	ppbv #	90
4) Chloromethane	3.17	50	3571	0.062	ppbv #	81
5) Vinyl Chloride	3.05	62	638	0.011	ppbv #	42
8) Dichlorotetrafluoroethane	3.08	85	10364	0.069	ppbv #	16
9) Propene	3.04	41	32983	0.770	ppbv	94
10) Heptane	8.23	43	8618	0.071	ppbv #	26
11) Trichlorofluoromethane	4.00	101	7749	0.044	ppbv	92
13) Ethanol	3.65	45	34344	2.481	ppbv	98
15) Acetone	3.90	43	516661	4.236	ppbv	97
16) 1,3-Butadiene	3.34	39	38167	0.786	ppbv #	25
20) Methylene Chloride	4.40	84	12022	0.256	ppbv #	86
23) Vinyl Acetate	5.14	43	2963	0.018	ppbv #	1
25) Ethyl Acetate	5.77	43	98226	0.458	ppbv #	96
26) Hexane	5.77	57	11569	0.126	ppbv #	1
27) Carbon Disulfide	4.61	76	12295	0.097	ppbv #	50
31) cis-1,2-Dichloroethene	5.76	61	5673	0.062	ppbv #	32
34) 2-Butanone	5.33	43	13799	0.107	ppbv #	80
36) Benzene	7.00	78	5490	0.029	ppbv	99
39) 1,2-Dichloropropane	7.28	63	551049	7.800	ppbv #	22
53) Toluene	9.93	91	397715	1.946	ppbv	99
58) Ethyl Benzene	12.86	91	32199	0.113	ppbv	93
59) m/p-Xylene	13.11	91	291620	1.174	ppbv	98
60) o-Xylene	13.83	91	77568	0.310	ppbv	98
72) 4-Ethyltoluene	15.98	105	12022	0.042	ppbv #	50
73) 1,3,5-Trimethylbenzene	16.15	105	4779	0.017	ppbv	91
74) 1,2,4-Trimethylbenzene	16.91	105	27309	0.090	ppbv #	78

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

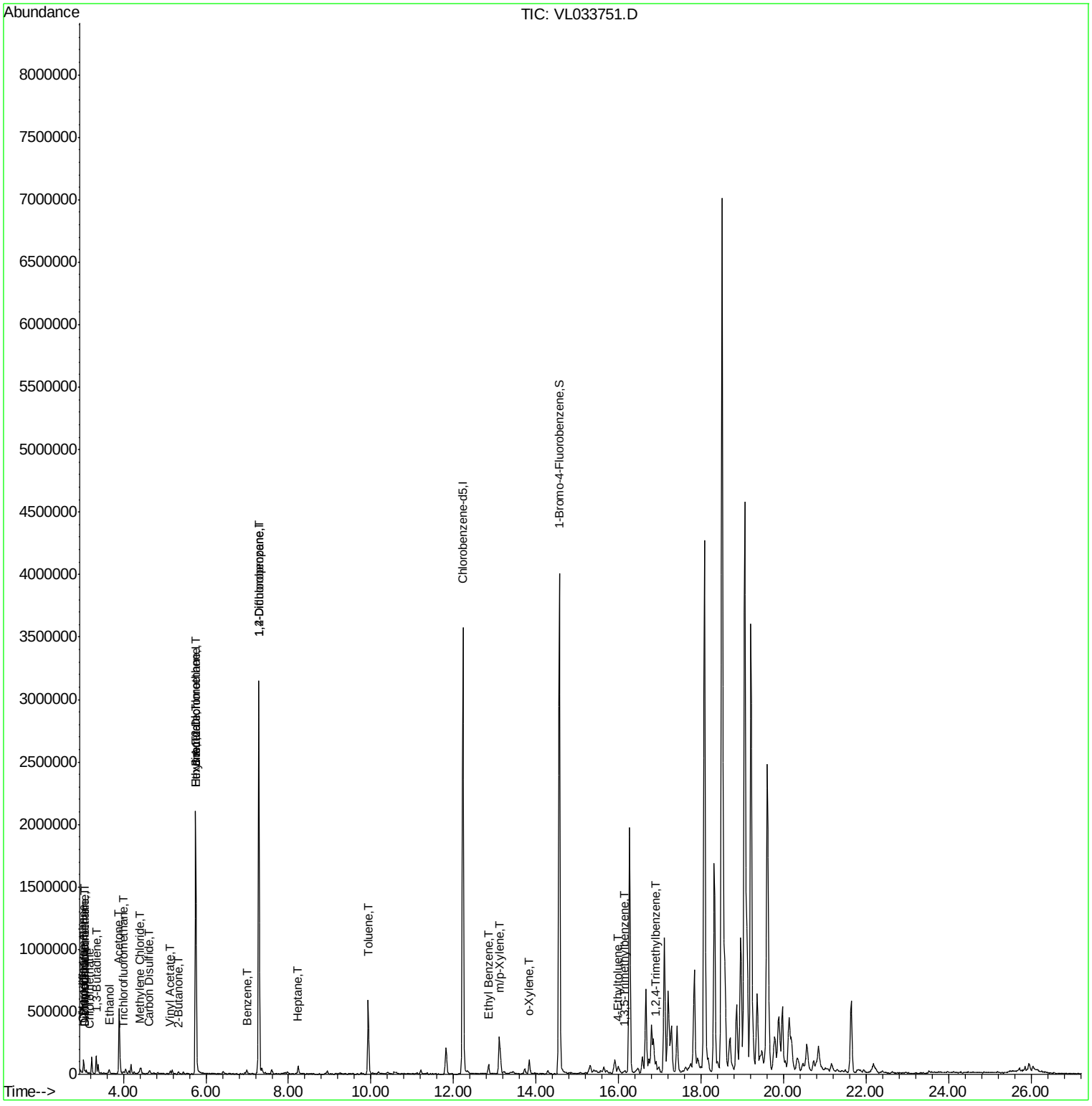
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

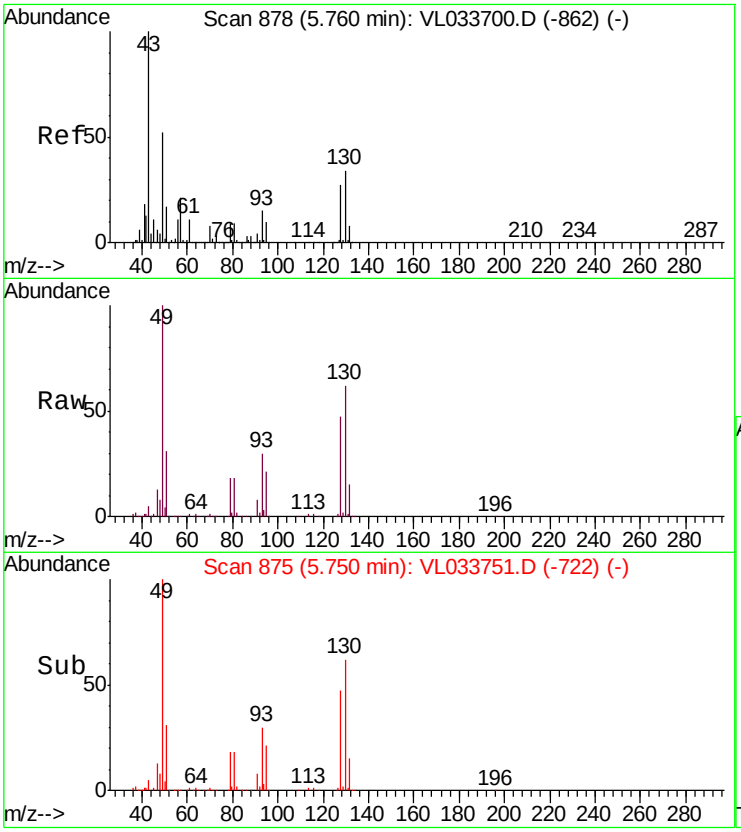
Quantitation Report (Not Reviewed)

Data File : VL033751.D
Acq On : 22 May 2019 19:28
Operator : SY/AP
Sample : K2929-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3001-25DL

Quant Time: May 23 04:23:36 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



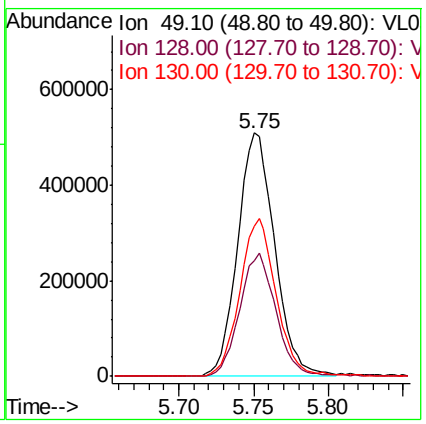


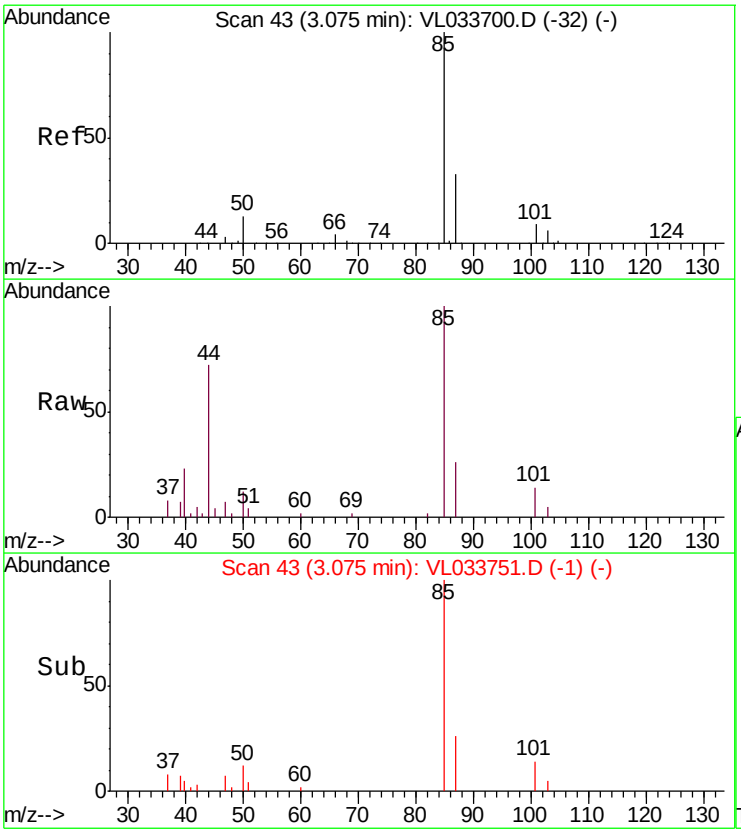
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion: 49 Resp: 879164

Ion	Ratio	Lower	Upper
49	100		
128	49.8	25.2	75.6
130	64.0	32.5	97.5

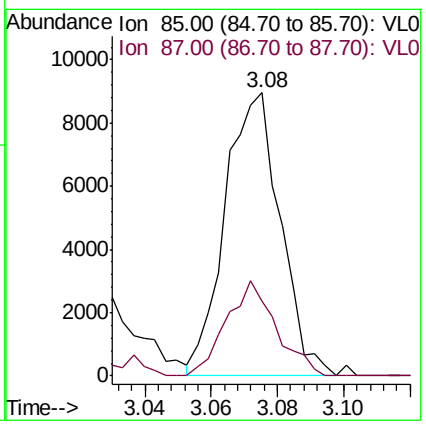


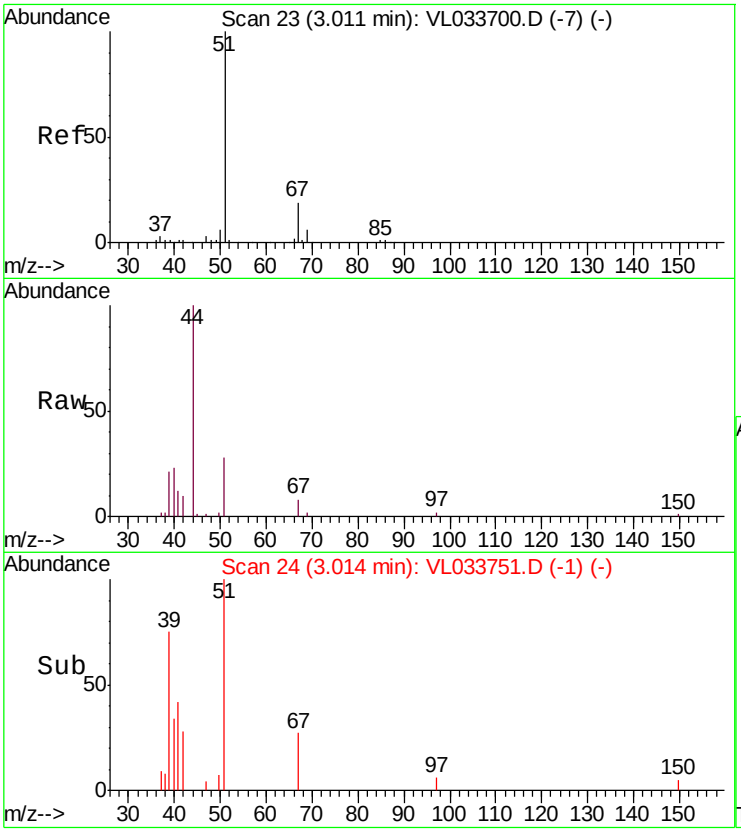


#2
Dichlorodifluoromethane
Concen: 0.056 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 85 Resp: 10364

Ion	Ratio	Lower	Upper
85	100		
87	26.2	26.3	39.5#



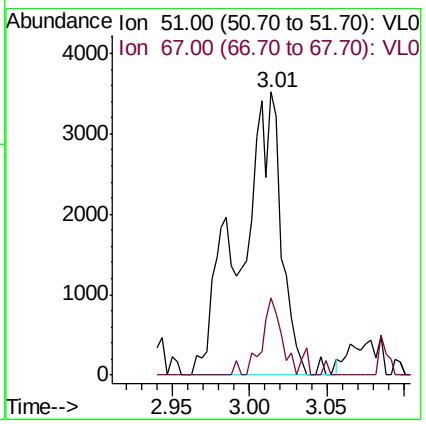


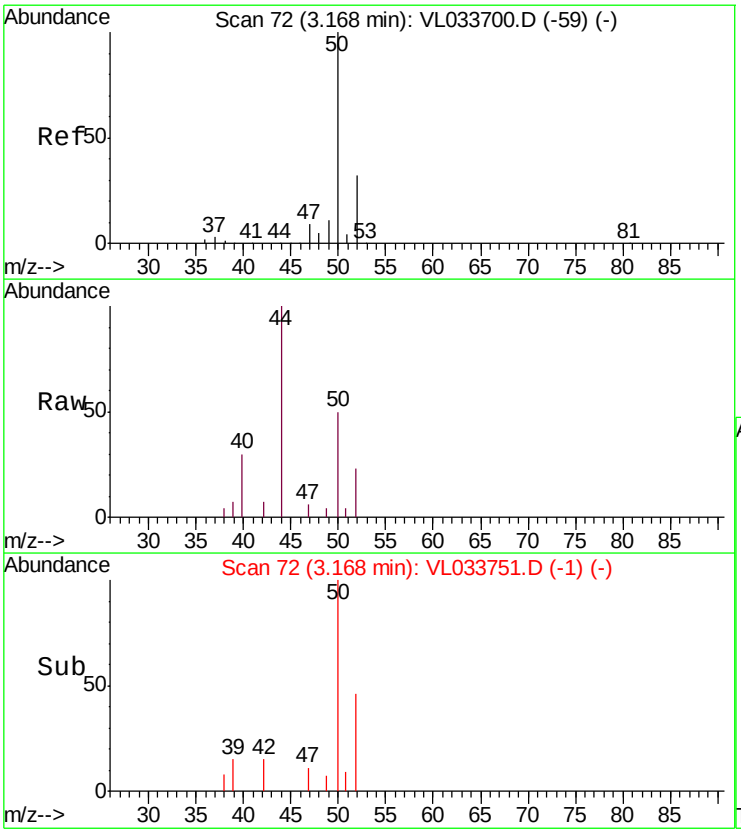
#3
Chlorodifluoromethane
Concen: 0.066 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion: 51 Resp: 6641

Ion	Ratio	Lower	Upper
51	100		
67	14.8	15.6	23.4#

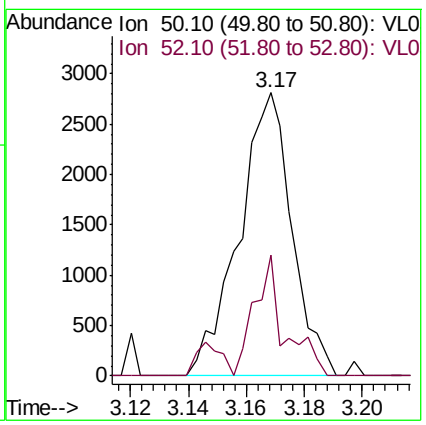


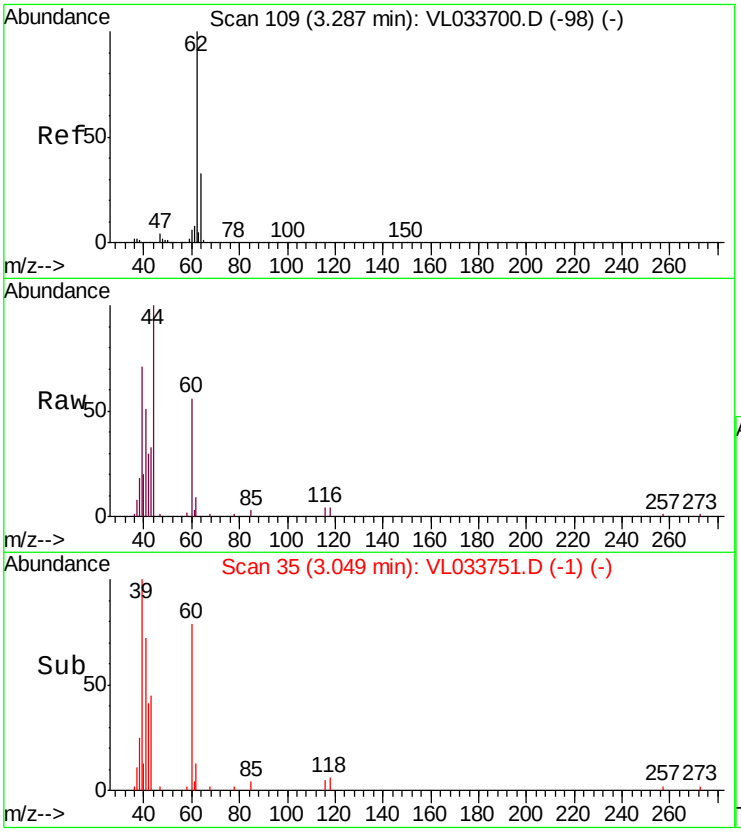


#4
Chloromethane
Concen: 0.062 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 50 Resp: 3571

Ion	Ratio	Lower	Upper
50	100		
52	42.6	25.7	38.5#



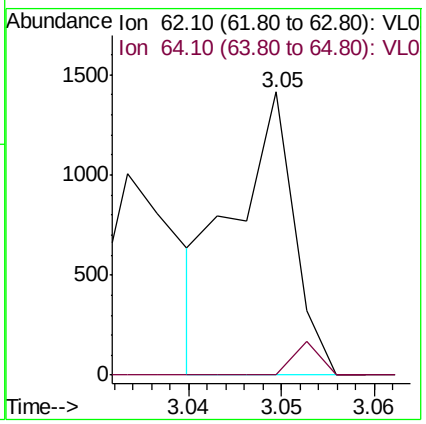


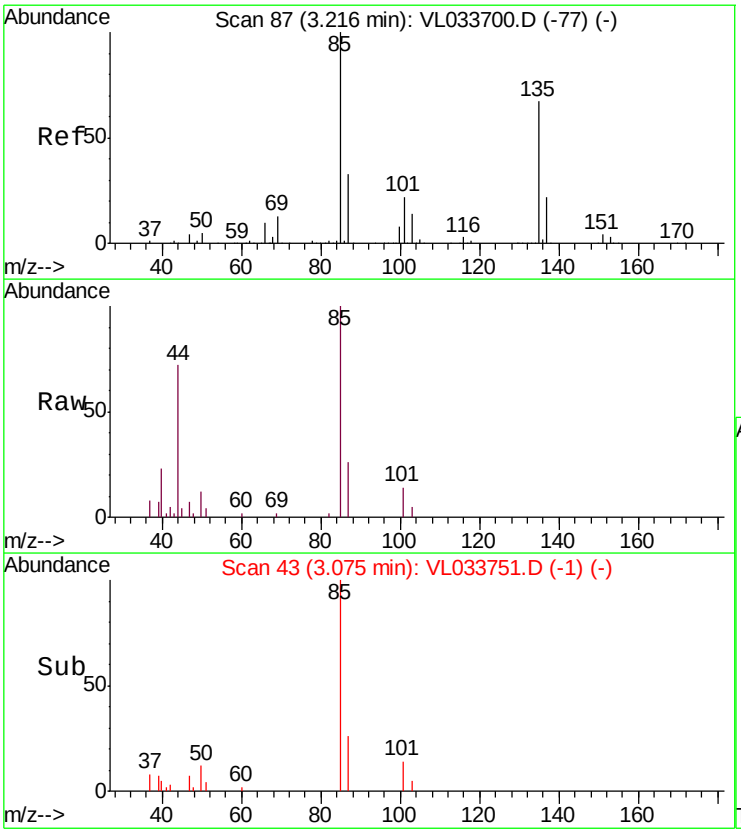
#5
Vinyl Chloride
Concen: 0.011 ppbv
RT: 3.05 min Scan# 35
Delta R.T. -0.24 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion: 62 Resp: 638

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.4	39.6#

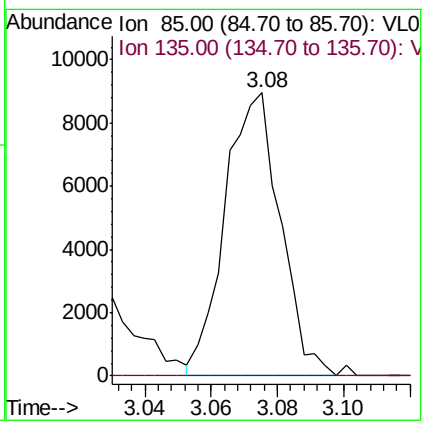


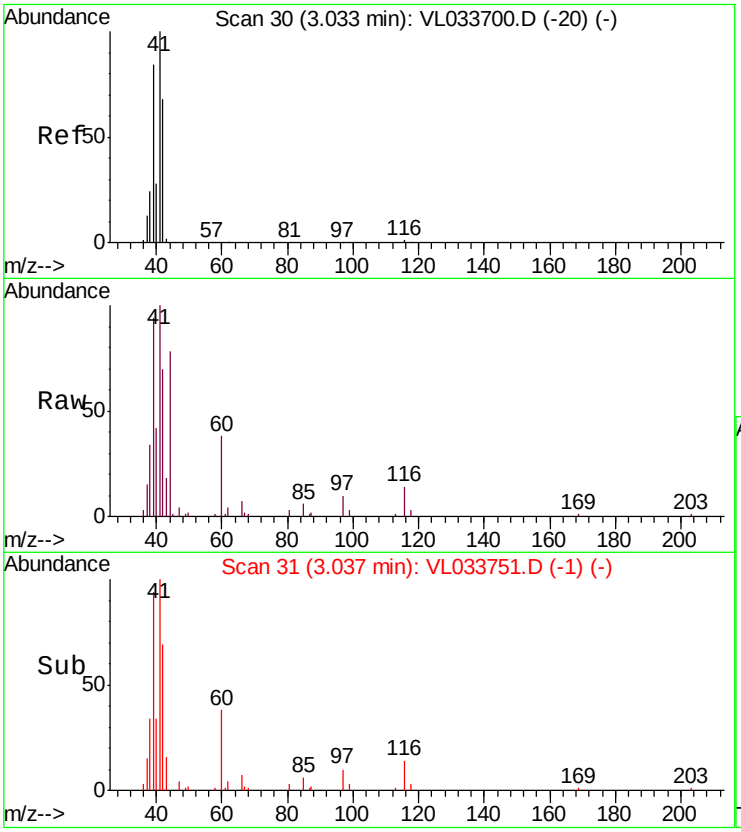


#8
Dichlorotetrafluoroethane
Concen: 0.069 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.14 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 85 Resp: 10364

Ion	Ratio	Lower	Upper
85	100		
135	0.0	54.5	81.7#



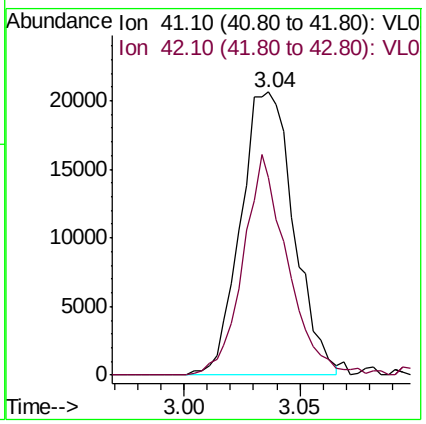


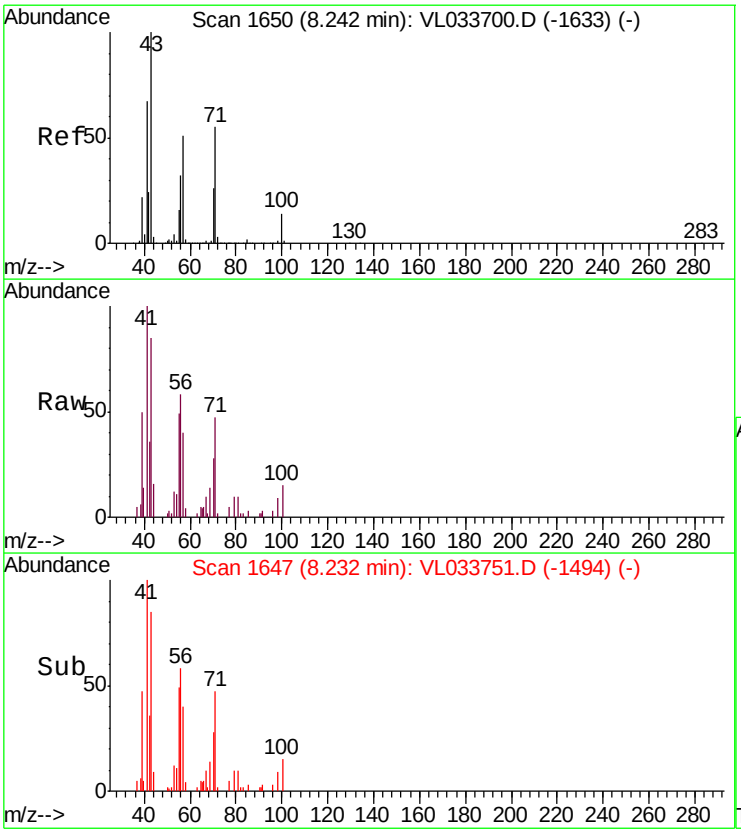
#9
Propene
Concen: 0.770 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion: 41 Resp: 32983

Ion	Ratio	Lower	Upper
41	100		
42	65.5	56.1	84.1

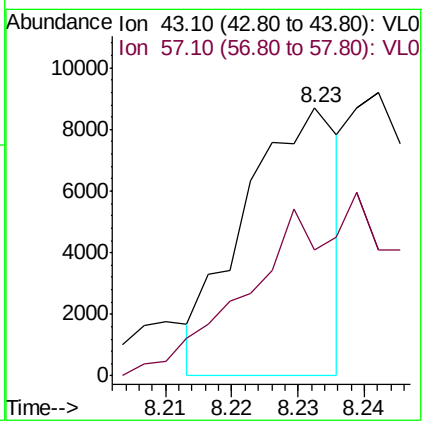


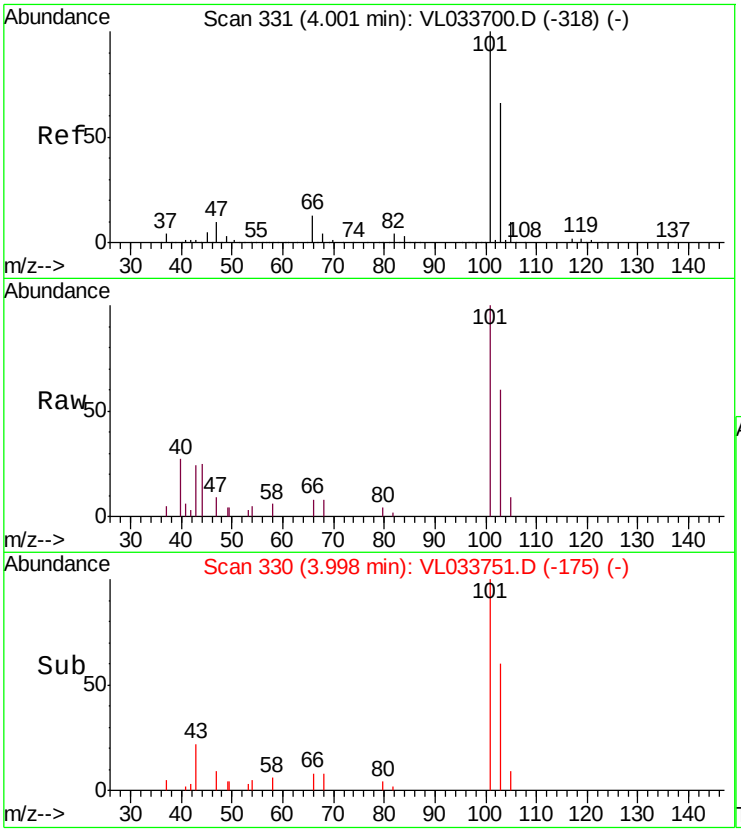


#10
Heptane
Concen: 0.071 ppbv
RT: 8.23 min Scan# 1647
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 43 Resp: 8618

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.4	62.0#



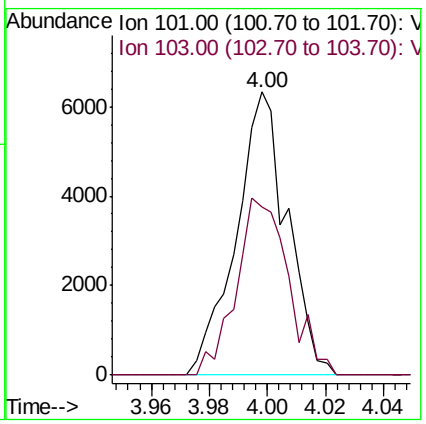


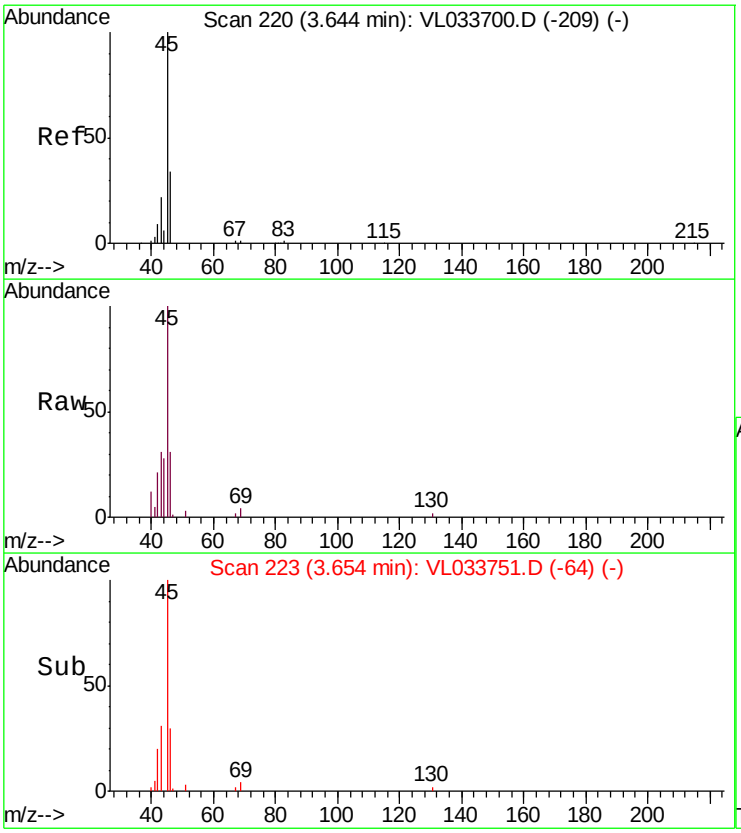
#11
Trichlorofluoromethane
Concen: 0.044 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion:101 Resp: 7749

Ion	Ratio	Lower	Upper
101	100		
103	59.6	52.6	78.8

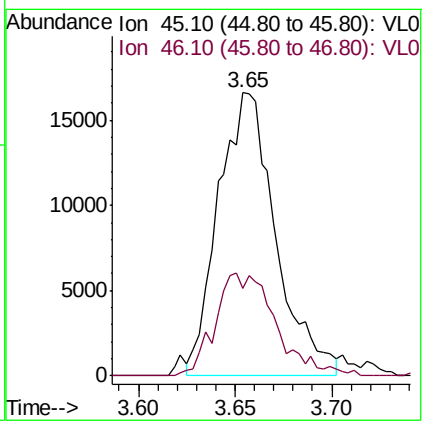


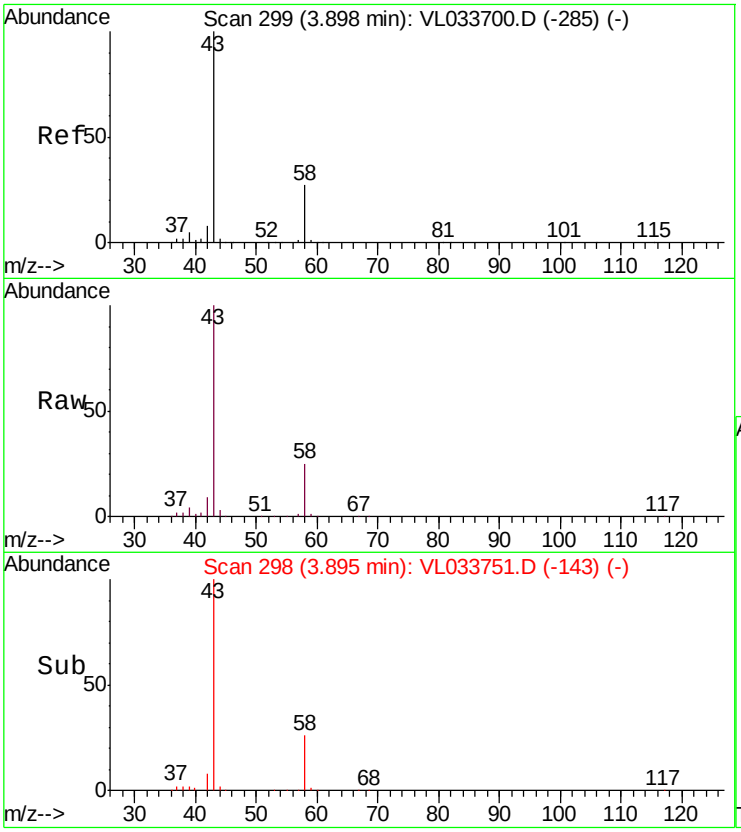


#13
Ethanol
Concen: 2.481 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 45 Resp: 34344

Ion	Ratio	Lower	Upper
45	100		
46	38.3	14.8	59.0



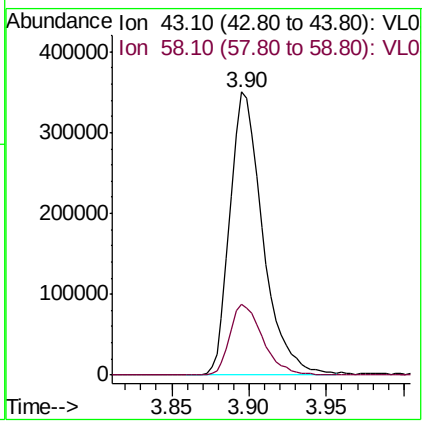


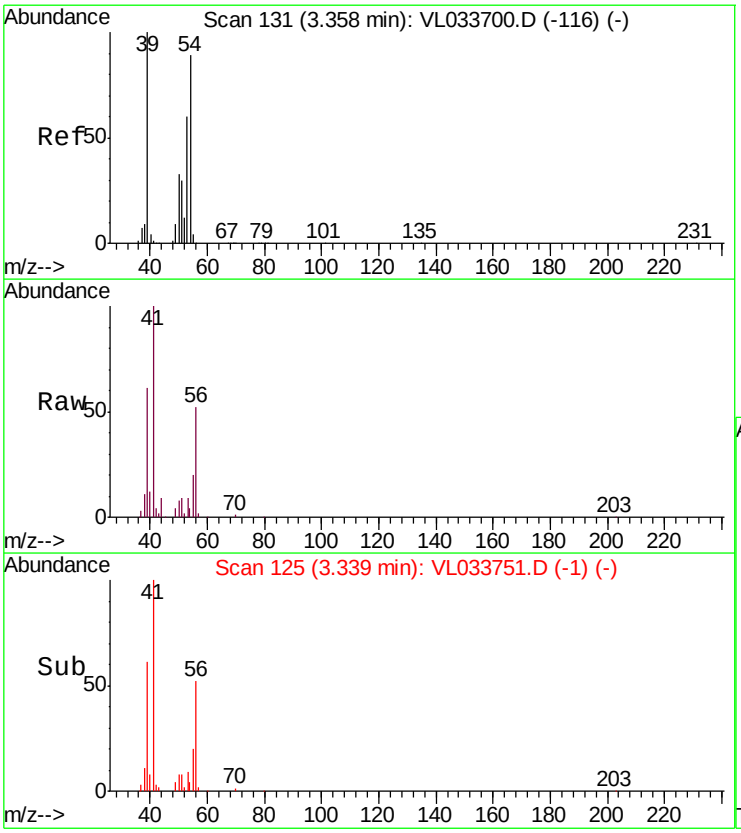
#15
Acetone
Concen: 4.236 ppbv
RT: 3.90 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion: 43 Resp: 516661

Ion	Ratio	Lower	Upper
43	100		
58	25.2	21.3	31.9

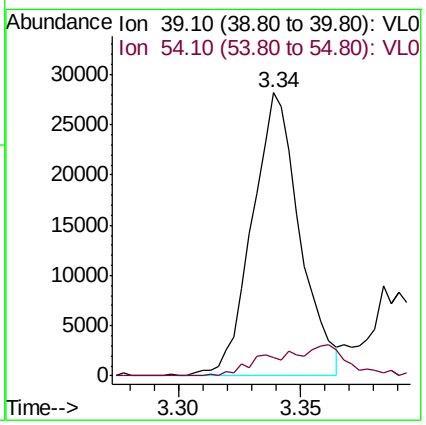


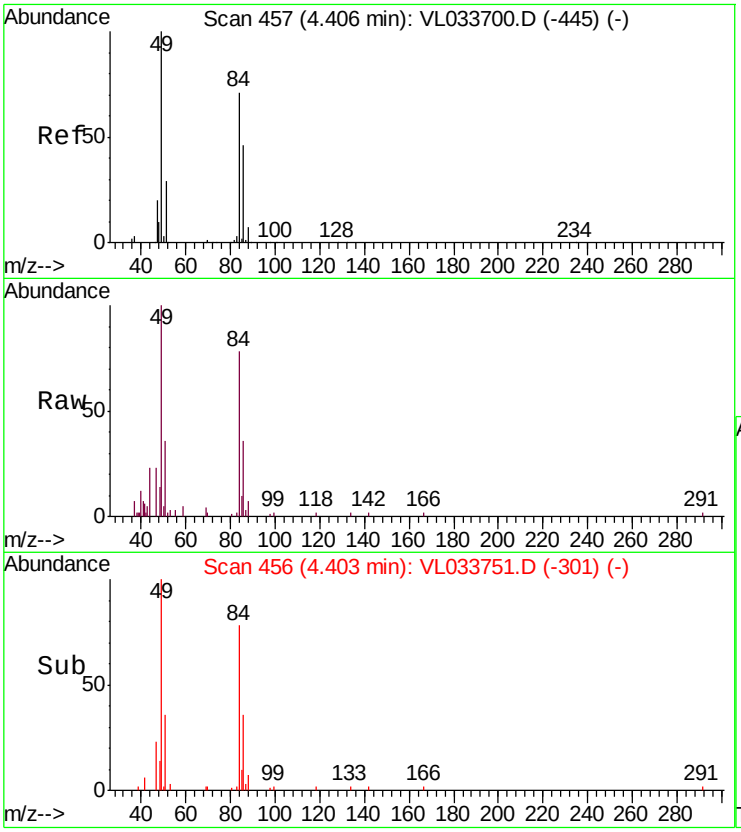


#16
1,3-Butadiene
Concen: 0.786 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 39 Resp: 38167

Ion	Ratio	Lower	Upper
39	100		
54	17.7	69.0	103.6#



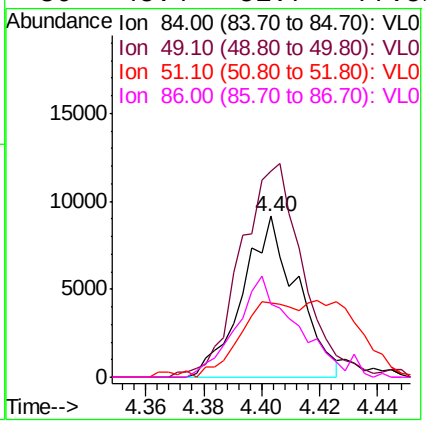


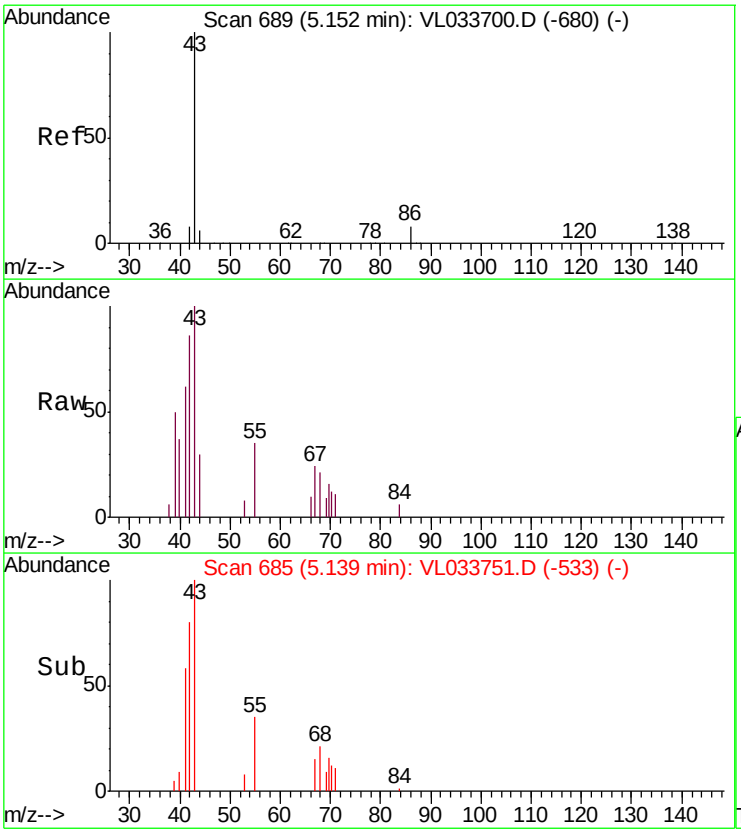
#20
Methylene Chloride
Concen: 0.256 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion: 84 Resp: 12022

Ion	Ratio	Lower	Upper
84	100		
49	124.3	112.8	169.2
51	42.5	33.4	50.0
86	45.4	51.7	77.5#

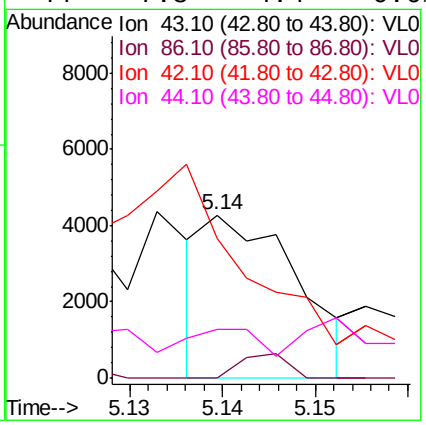


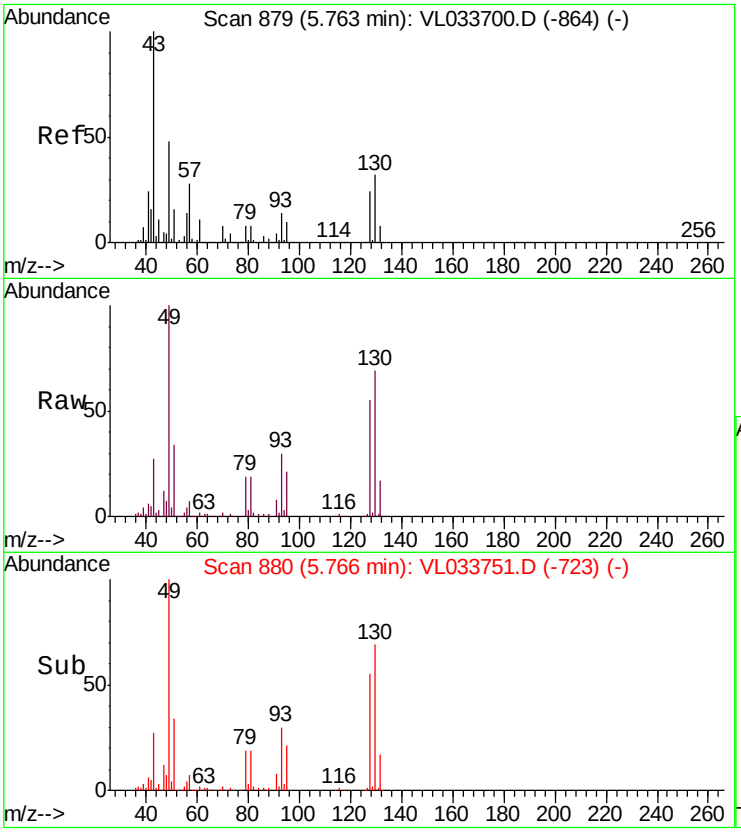


#23
Vinyl Acetate
Concen: 0.018 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 43 Resp: 2963

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.0	9.0#
42	104.4	7.5	11.3#
44	7.8	4.4	6.6#



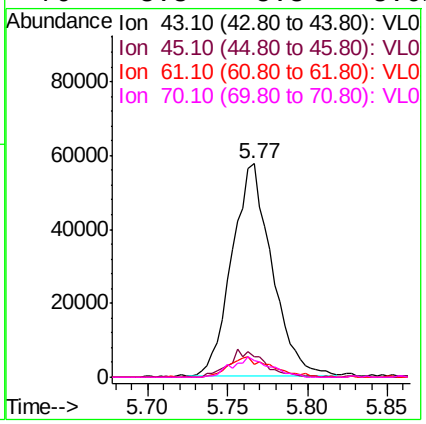


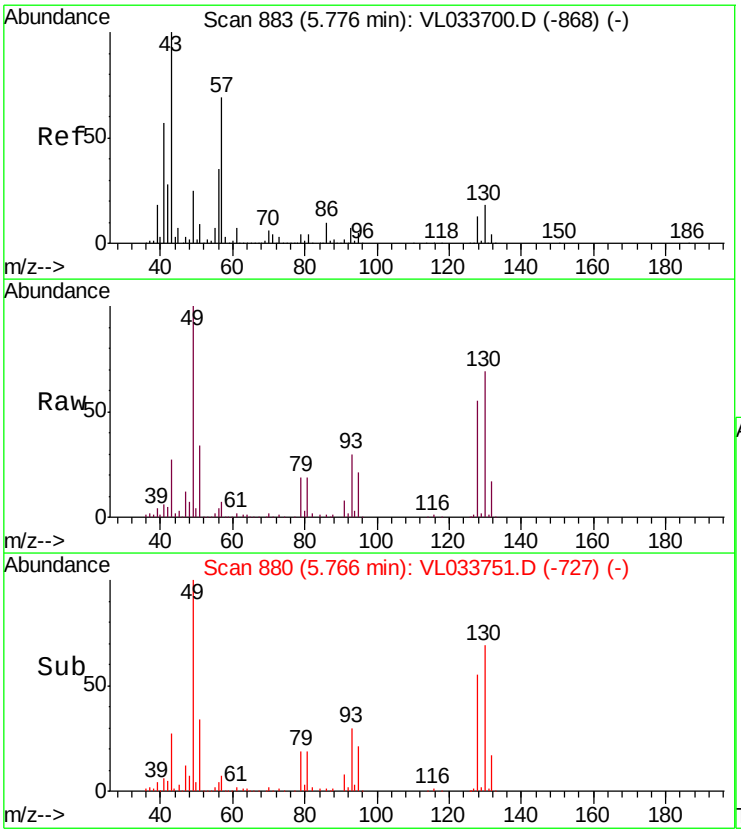
#25
Ethyl Acetate
Concen: 0.458 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion: 43 Resp: 98226

Ion	Ratio	Lower	Upper
43	100		
45	12.0	7.9	11.9#
61	10.2	7.7	11.5
70	8.8	5.8	8.6#

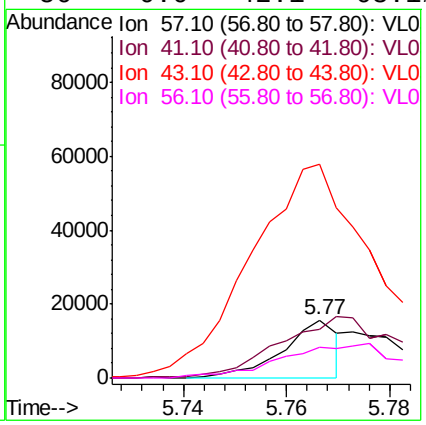


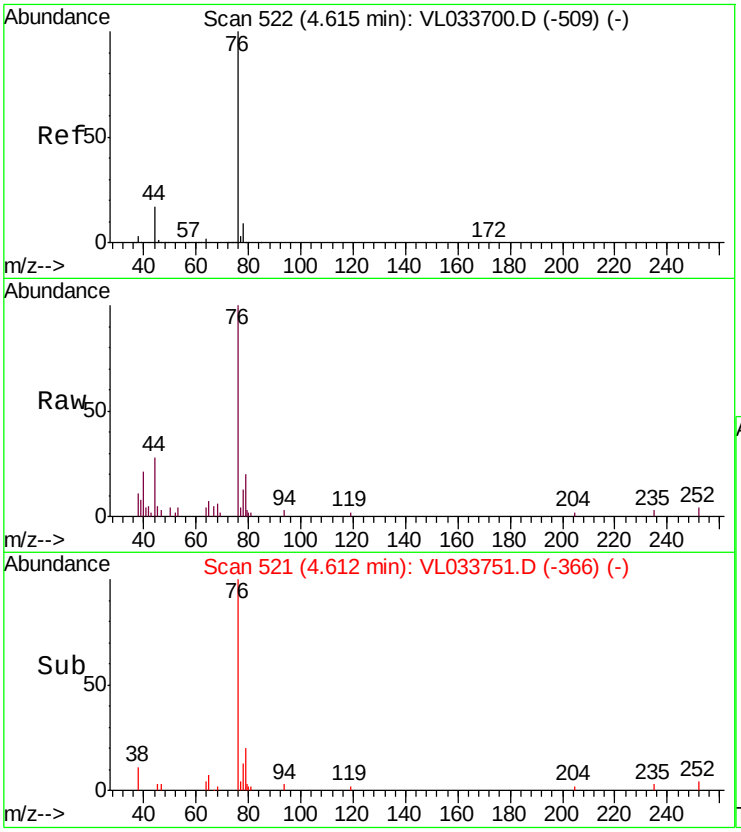


#26
Hexane
Concen: 0.126 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 57 Resp: 11569

Ion	Ratio	Lower	Upper
57	100		
41	0.0	69.8	104.6#
43	877.2	181.8	272.6#
56	0.0	42.1	63.1#



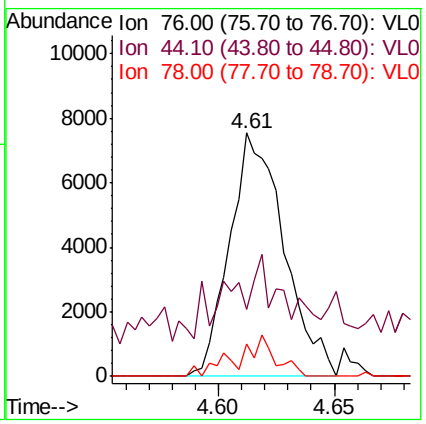


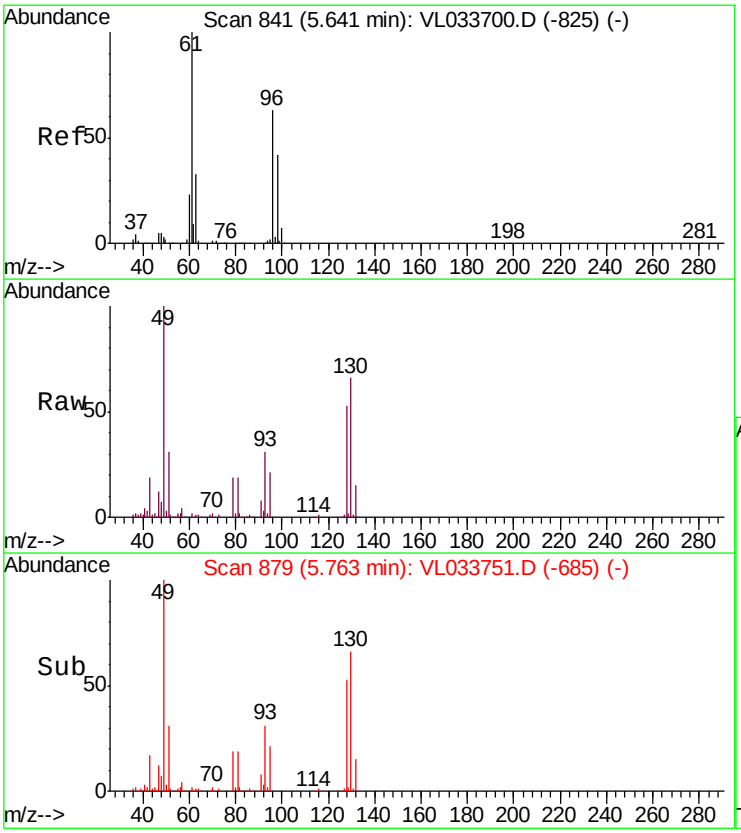
#27
Carbon Disulfide
Concen: 0.097 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion: 76 Resp: 12295

Ion	Ratio	Lower	Upper
76	100		
44	48.7	13.8	20.8#
78	12.1	7.4	11.0#

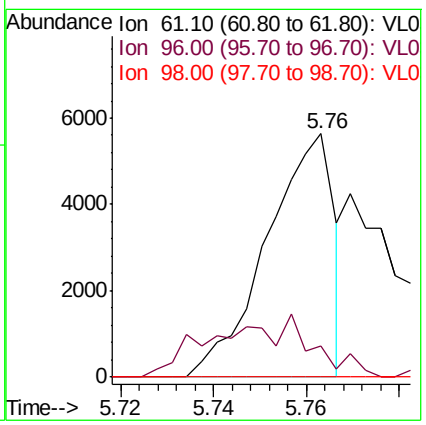


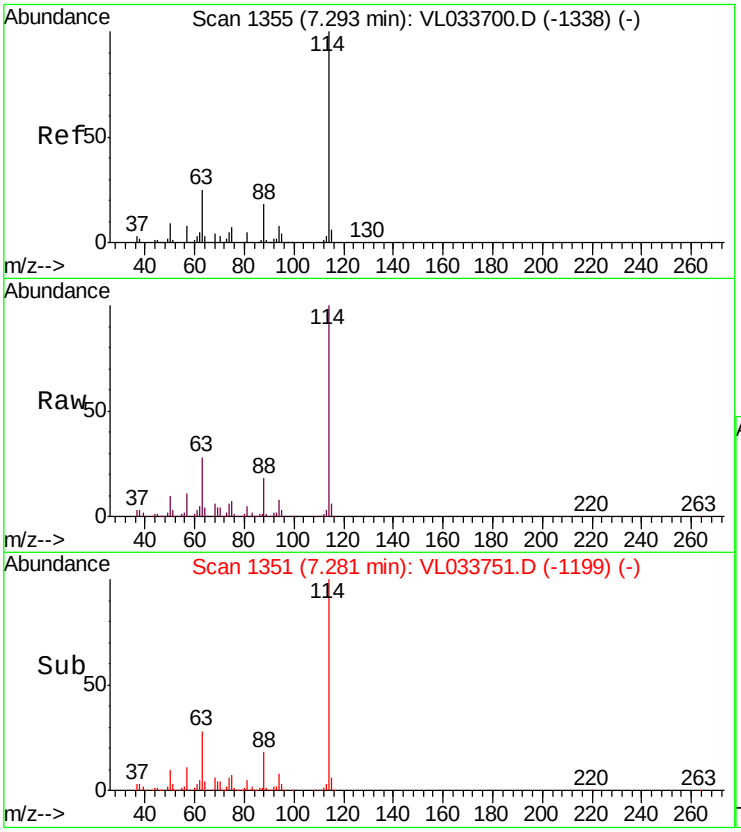


#31
cis-1,2-Dichloroethene
Concen: 0.062 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.12 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 61 Resp: 5673

Ion	Ratio	Lower	Upper
61	100		
96	9.6	50.8	76.2#
98	0.0	33.3	49.9#



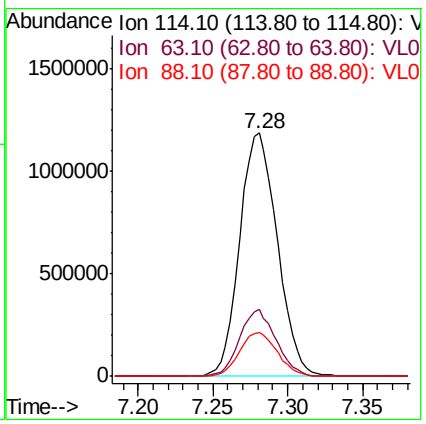


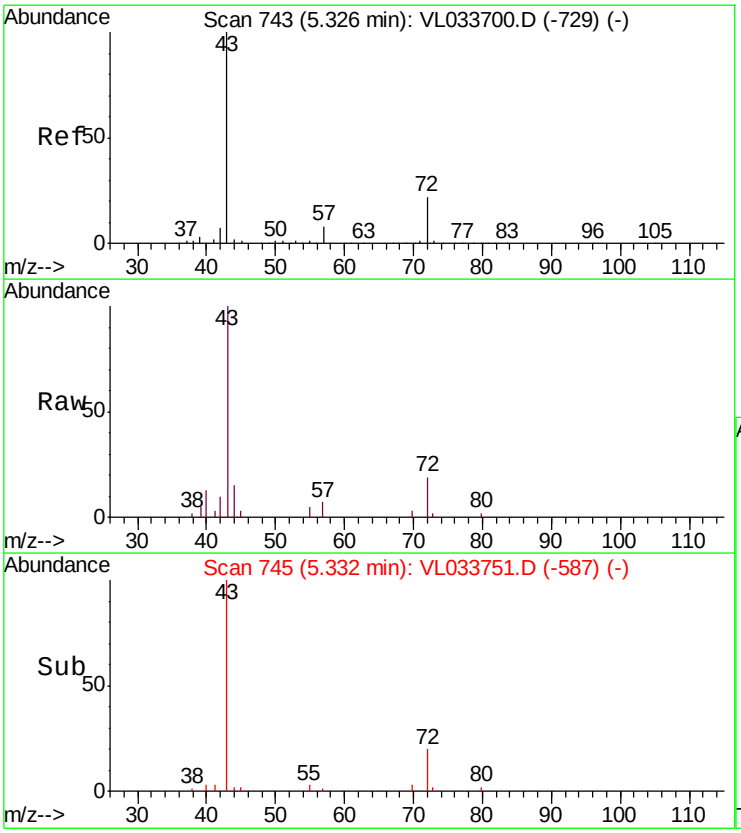
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion:114 Resp: 2083122

Ion	Ratio	Lower	Upper
114	100		
63	26.7	20.9	31.3
88	18.1	14.3	21.5

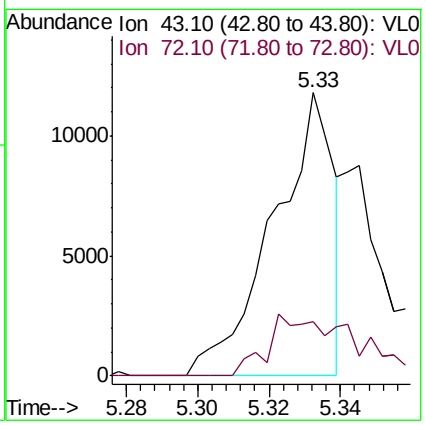


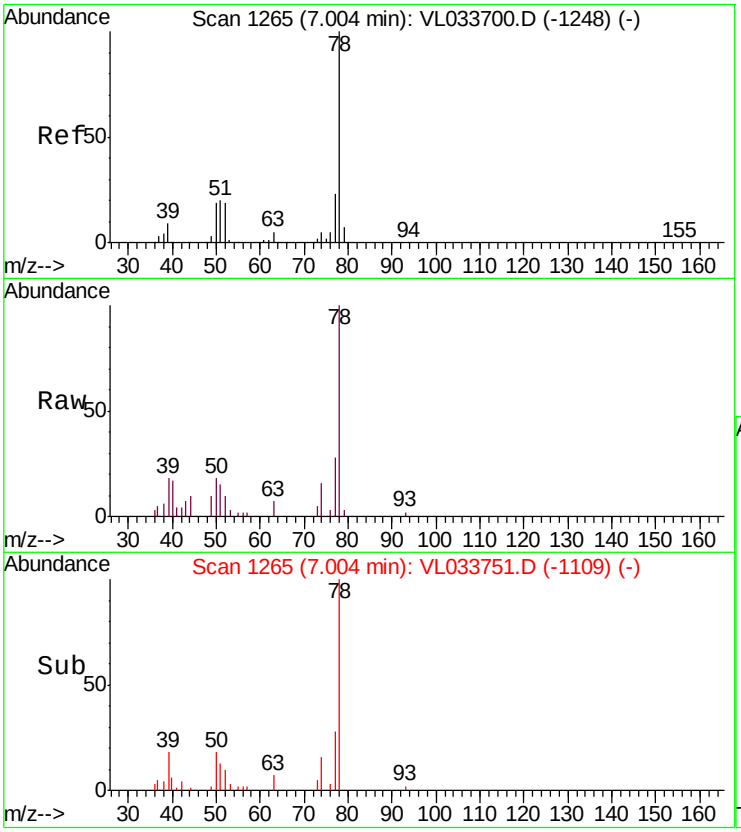


#34
2-Butanone
Concen: 0.107 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 43 Resp: 13799

Ion	Ratio	Lower	Upper
43	100		
72	31.9	17.8	26.6#



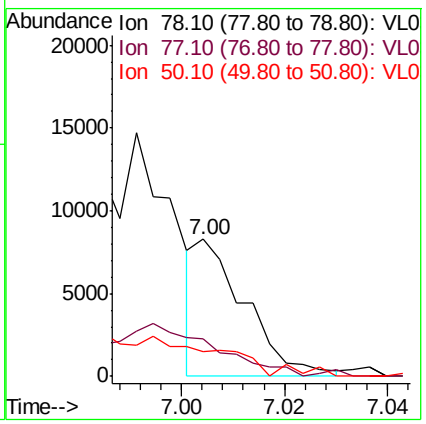


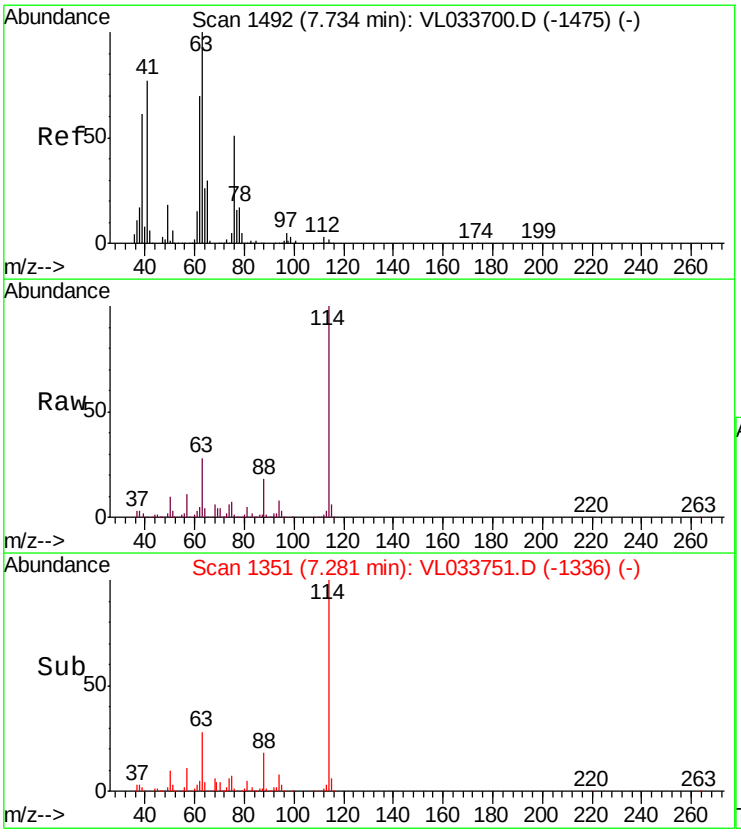
#36
Benzene
Concen: 0.029 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion: 78 Resp: 5490

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.4	27.6
50	18.9	15.5	23.3

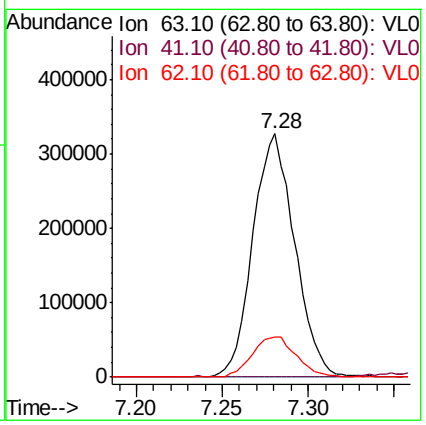


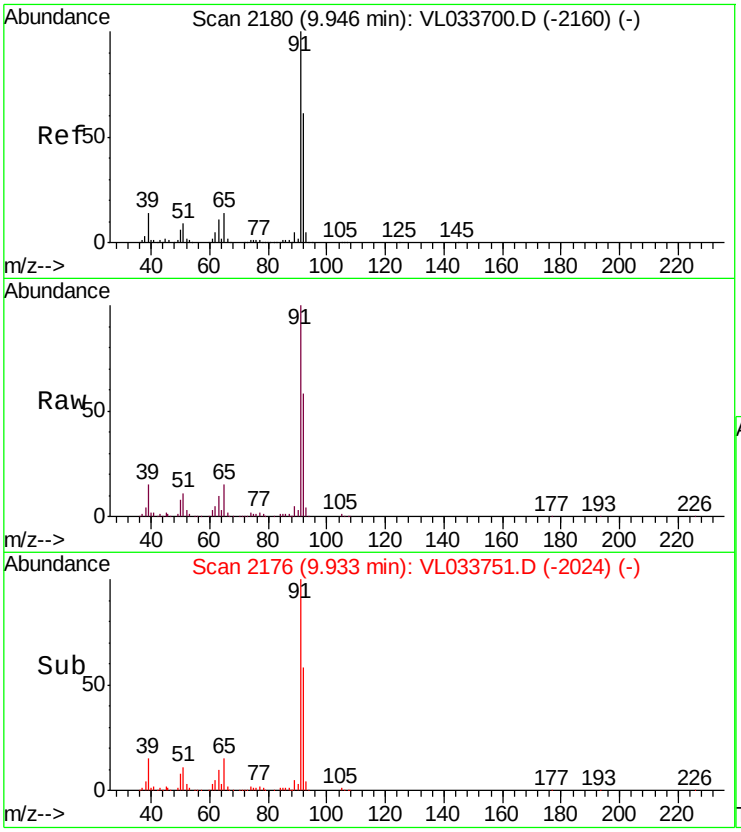


#39
1,2-Dichloropropane
Concen: 7.800 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.45 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 63 Resp: 551049

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	16.6	56.2	84.4#



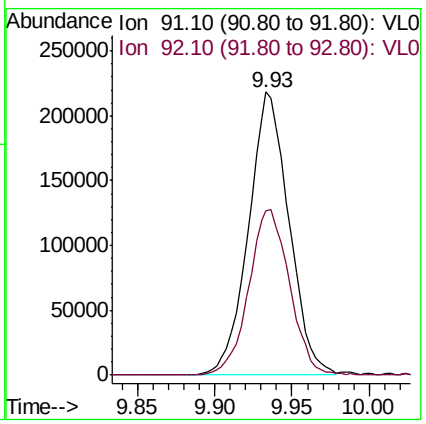


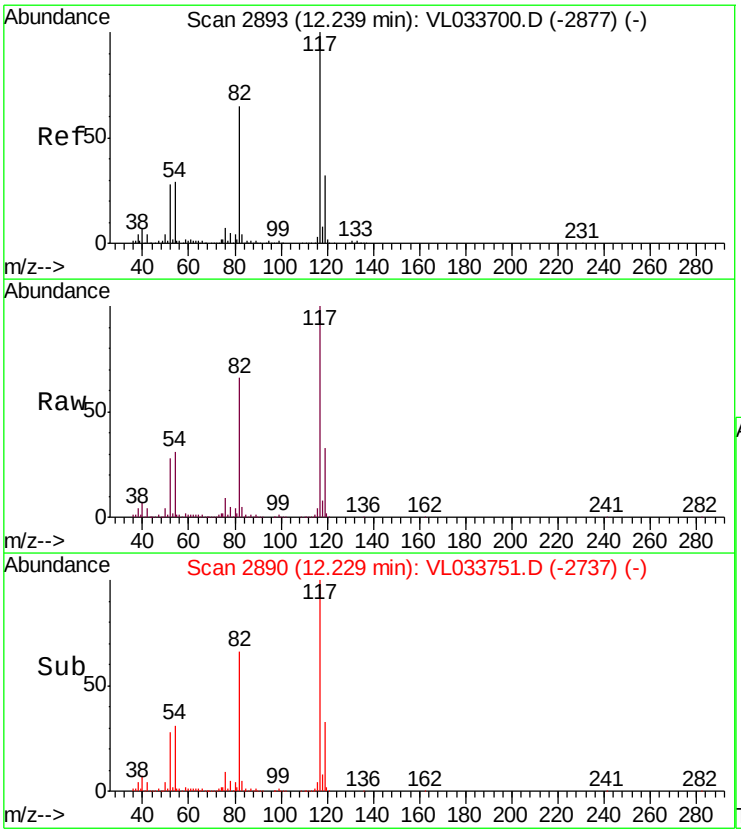
#53
Toluene
Concen: 1.946 ppbv
RT: 9.93 min Scan# 2176
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion: 91 Resp: 397715

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.6	71.4

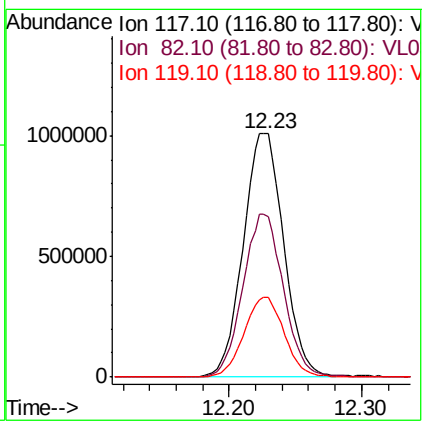


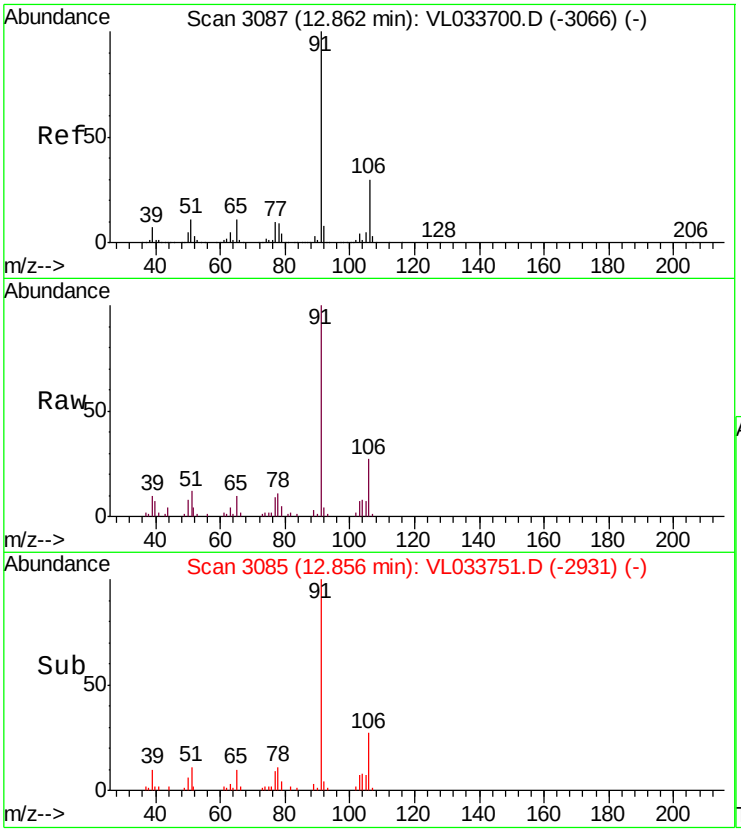


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion:117 Resp: 2146561

Ion	Ratio	Lower	Upper
117	100		
82	67.0	49.4	74.0
119	32.7	24.9	37.3



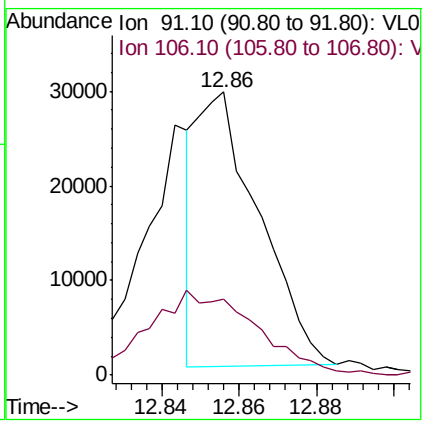


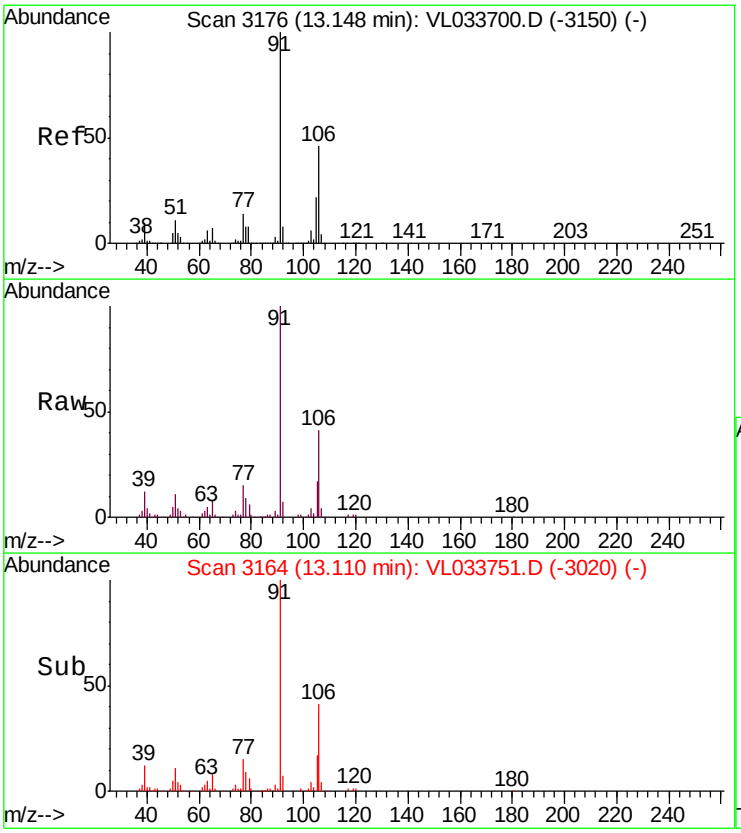
#58
Ethyl Benzene
Concen: 0.113 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion: 91 Resp: 32199

Ion	Ratio	Lower	Upper
91	100		
106	26.0	23.9	35.9

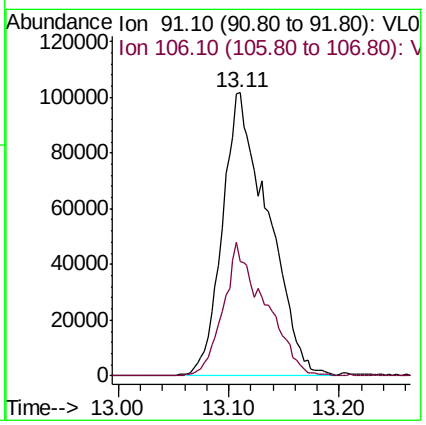


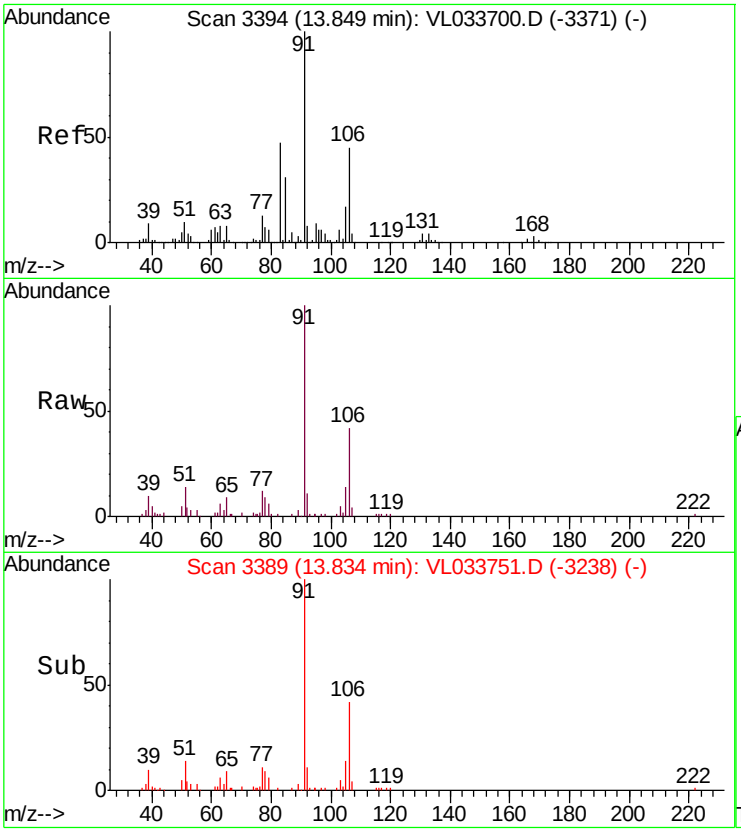


#59
m/p-Xylene
Concen: 1.174 ppbv
RT: 13.11 min Scan# 3164
Delta R.T. -0.04 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 91 Resp: 291620

Ion	Ratio	Lower	Upper
91	100		
106	43.2	35.8	53.6



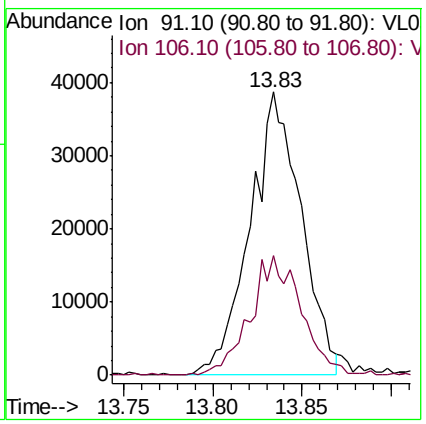


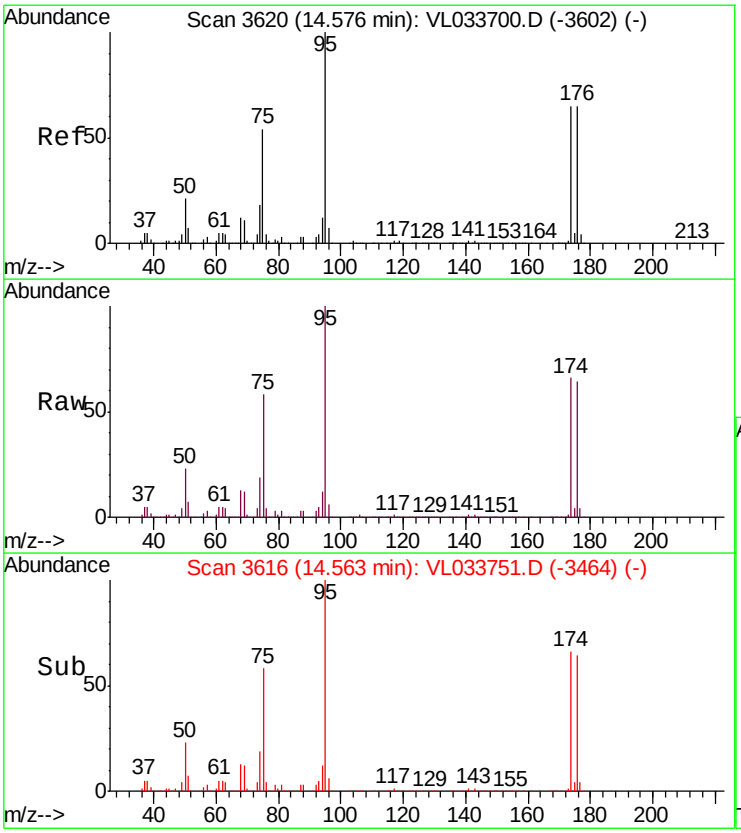
#60
o-Xylene
Concen: 0.310 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion: 91 Resp: 77568

Ion	Ratio	Lower	Upper
91	100		
106	42.1	21.6	64.8

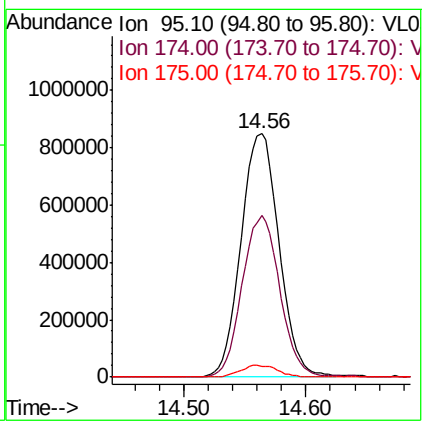


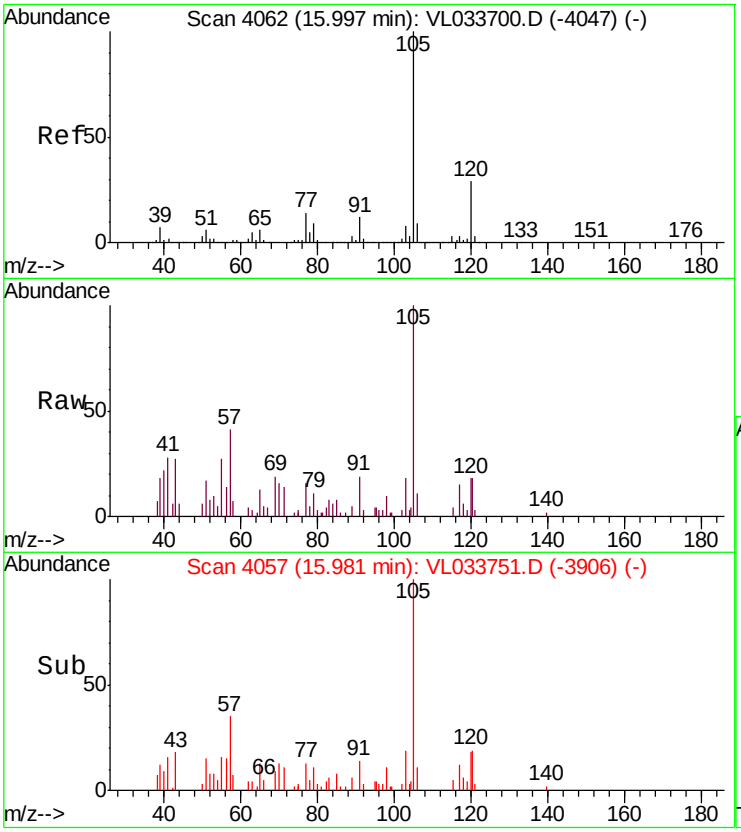


#68
1-Bromo-4-Fluorobenzene
Concen: 10.501 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion: 95 Resp: 1827337

Ion	Ratio	Lower	Upper
95	100		
174	66.3	53.9	80.9
175	4.8	3.8	5.8



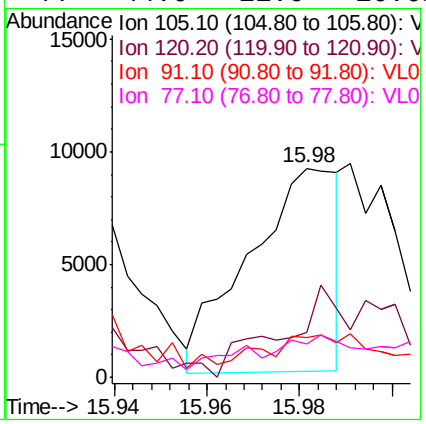


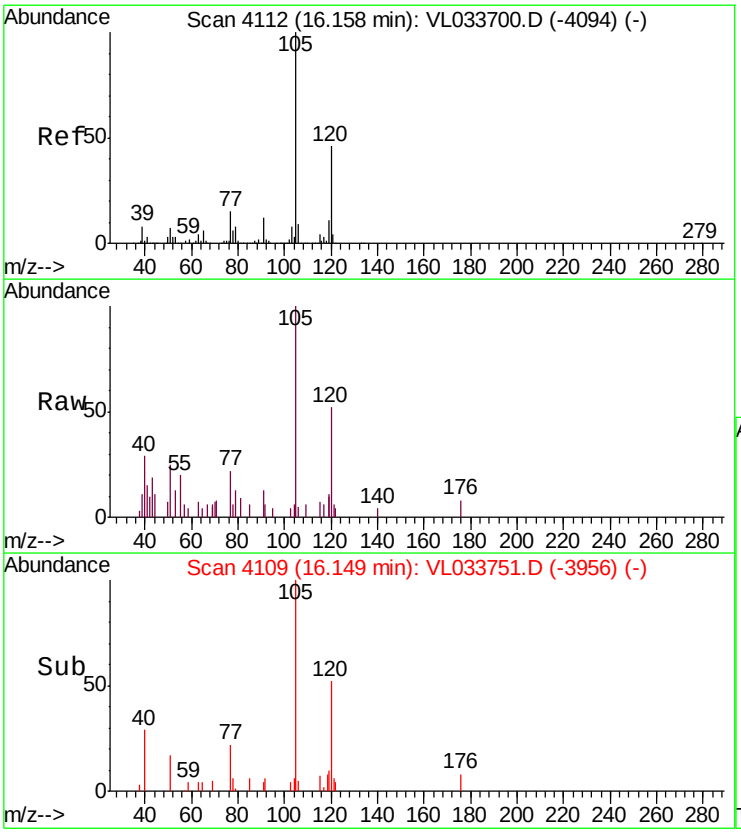
#72
4-Ethyltoluene
Concen: 0.042 ppbv
RT: 15.98 min Scan# 4057
Delta R.T. -0.02 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion:105 Resp: 12022

Ion	Ratio	Lower	Upper
105	100		
120	53.2	23.1	34.7#
91	0.0	10.4	15.6#
77	44.0	11.0	16.6#

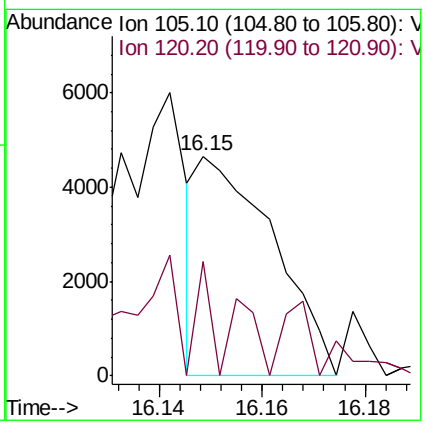


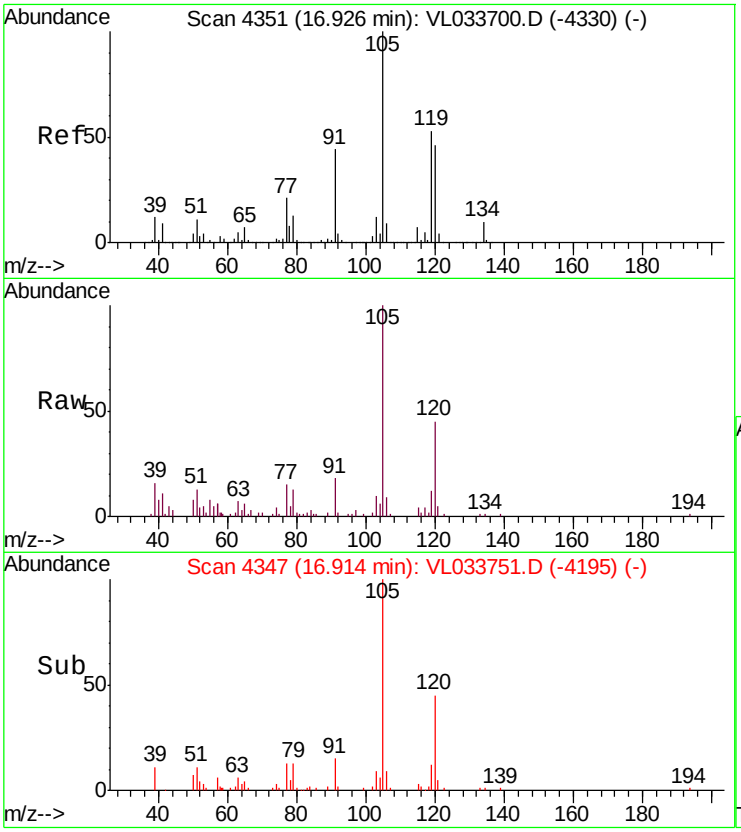


#73
1,3,5-Trimethylbenzene
Concen: 0.017 ppbv
RT: 16.15 min Scan# 4109
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Tgt Ion:105 Resp: 4779

Ion	Ratio	Lower	Upper
105	100		
120	51.9	37.0	55.4





#74
1,2,4-Trimethylbenzene
Concen: 0.090 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.01 min
Lab File: VL033751.D
Acq: 22 May 2019 19:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25DL

Tgt Ion:105 Resp: 27309

Ion	Ratio	Lower	Upper
105	100		
120	49.5	36.8	55.2
91	16.6	35.4	53.0#
77	13.4	16.8	25.2#