Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\

Quantitation Report (Not Reviewed)

Data File : VL033781.D
Acq On : 23 May 2019 20:05
Operator : SY/AP
Sample : K2929-15DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3003-25DL

Quant Time: May 24 04:27:53 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	1087492	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2804738	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2783600	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2256181	10.00	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	9111	0.040	ppbv	#	86
3) Chlorodifluoromethane	3.01	51	5192	0.042	ppbv	#	91
9) Propene	3.03	41	108100	2.040	ppbv		90
10) Heptane	8.24	43	37018	0.247	ppbv		99
13) Ethanol	3.66	45	45560	2.660	ppbv		98
15) Acetone	3.90	43	626899	4.155	ppbv		94
16) 1,3-Butadiene	3.34	39	60600	1.009	ppbv	#	29
17) tert-Butyl alcohol	4.37	59	17219	0.141	ppbv	#	62
19) Isopropyl Alcohol	4.03	45	7492	0.077	ppbv	#	94
20) Methylene Chloride	4.41	84	10003	0.172	ppbv		91
21) Allyl Chloride	4.46	41	1001	0.011	ppbv	#	1
23) Vinyl Acetate	5.14	43	3421	0.017	ppbv	#	1
25) Ethyl Acetate	5.78	43	16505	0.062	ppbv	#	81
26) Hexane	5.77	57	30784	0.270	ppbv	#	47
27) Carbon Disulfide	4.62	76	24590	0.157	ppbv	#	78
29) Chloroform	5.84	83	5627	0.027	ppbv		90
30) Cyclohexane	7.24	84	1888	0.020	ppbv	#	1
31) cis-1,2-Dichloroethene	5.76	61	1204	0.011	ppbv	#	64
34) 2-Butanone	5.33	43	88970	0.512	ppbv		96
36) Benzene	6.99	78	30299	0.119	ppbv		96
39) 1,2-Dichloropropane	7.28	63	649717	6.830	ppbv	#	22
44) 2,2,4-Trimethylpentane	7.98	57	10336	0.024	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.87	43	9434	0.035	ppbv	#	39
52) Tetrachloroethene	11.36	164	1409	0.016	ppbv	#	50
53) Toluene	9.94	91	586373	2.131	ppbv		100
58) Ethyl Benzene	12.85	91	122772	0.333	ppbv		92
59) m/p-Xylene	13.11	91	478305	1.484	ppbv		98
60) o-Xylene	13.84	91	134177	0.413	ppbv		100
64) n-propylbenzene	15.71	120	3535	0.031	ppbv	#	1
72) 4-Ethyltoluene	15.99	105	32263	0.087	ppbv	#	92
73) 1,3,5-Trimethylbenzene	16.14	105	11956	0.033	ppbv	#	85
74) 1,2,4-Trimethylbenzene	16.91	105	36634	0.093	ppbv	#	78

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

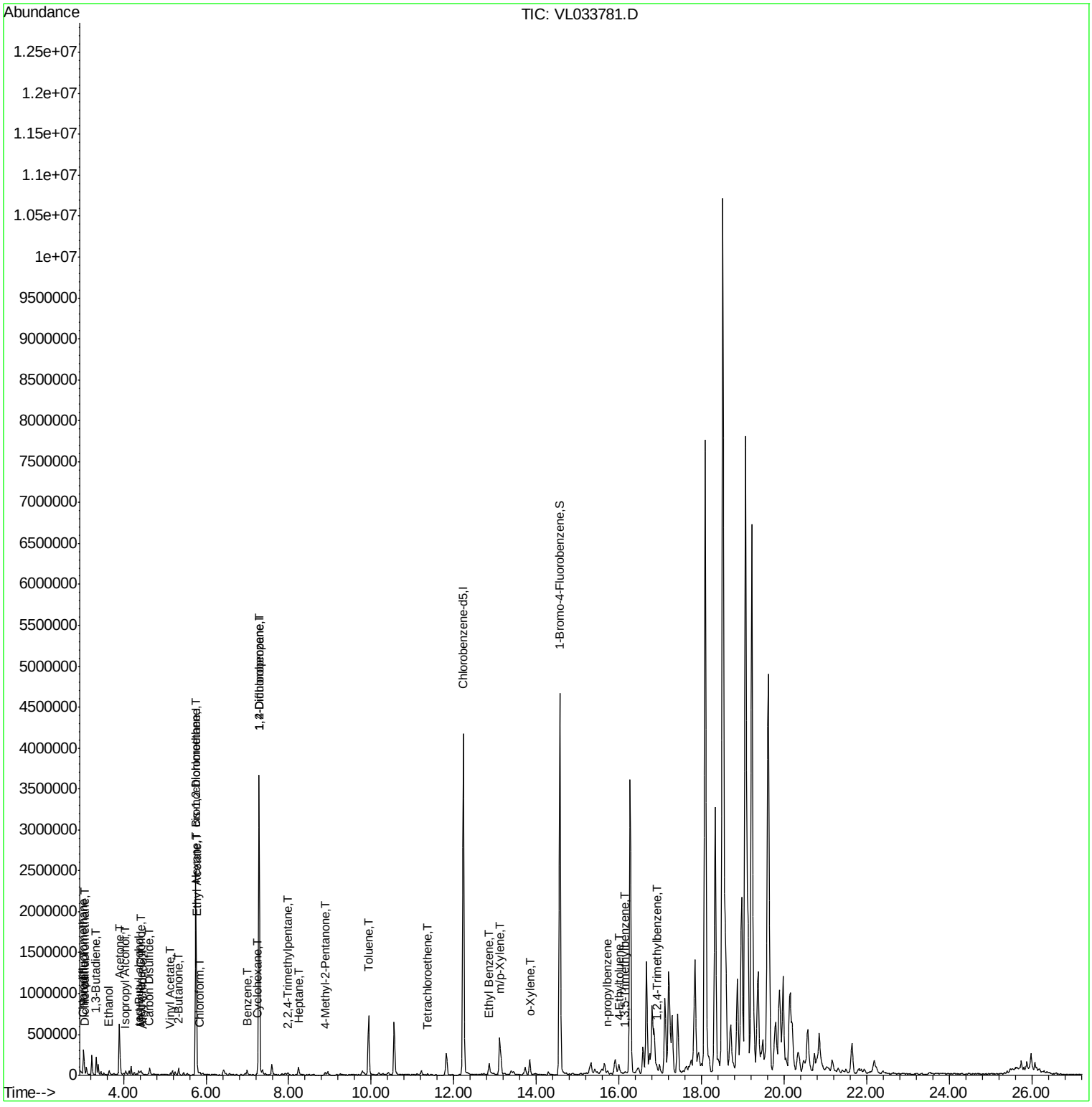
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\

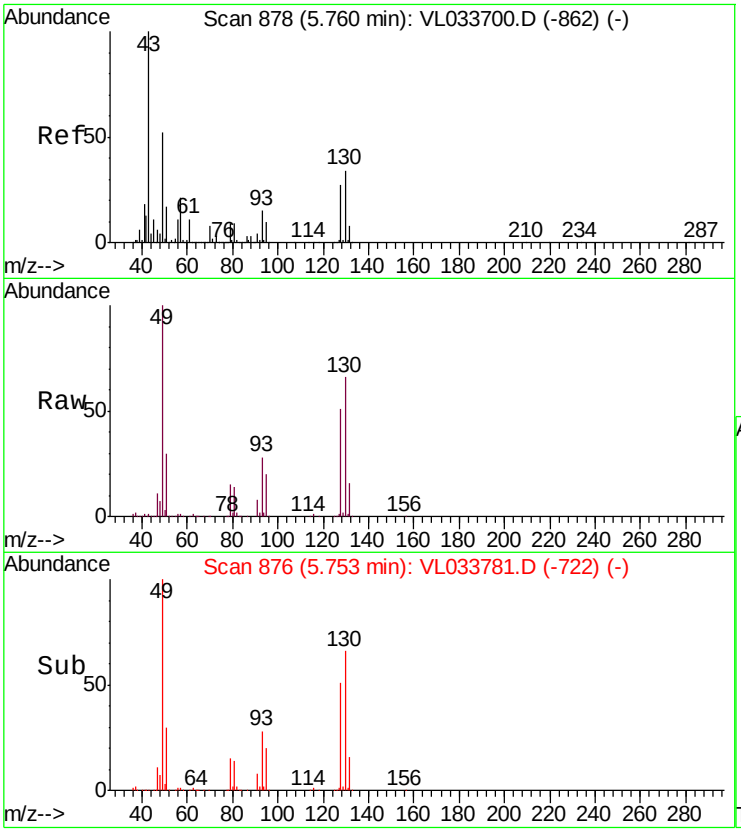
Quantitation Report (Not Reviewed)

Data File : VL033781.D
Acq On : 23 May 2019 20:05
Operator : SY/AP
Sample : K2929-15DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3003-25DL

Quant Time: May 24 04:27:53 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



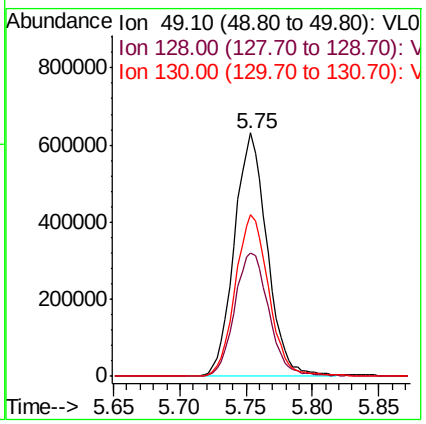


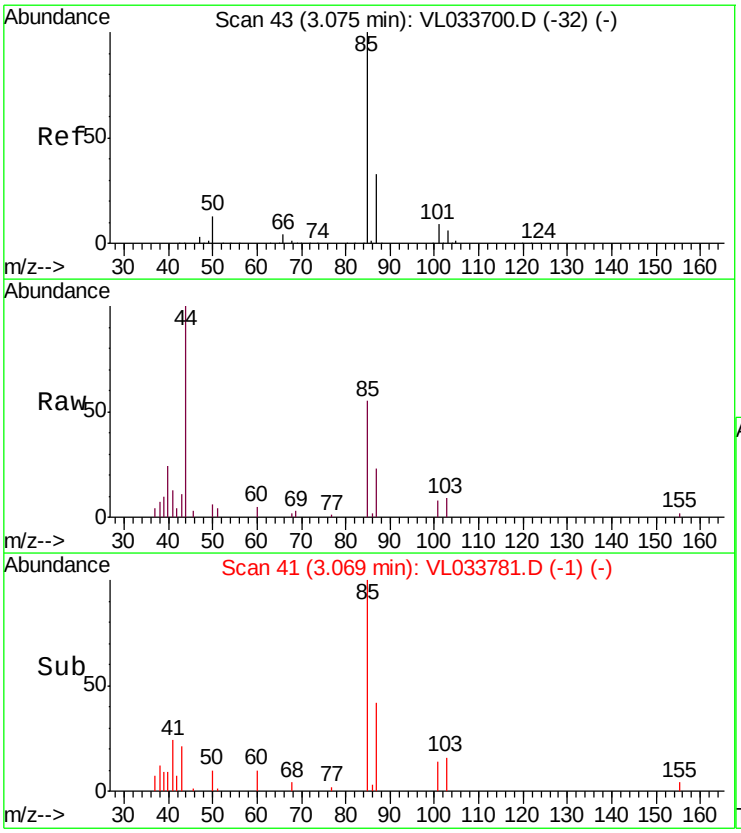
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 49 Resp: 1087492

Ion	Ratio	Lower	Upper
49	100		
128	53.4	25.2	75.6
130	68.3	32.5	97.5

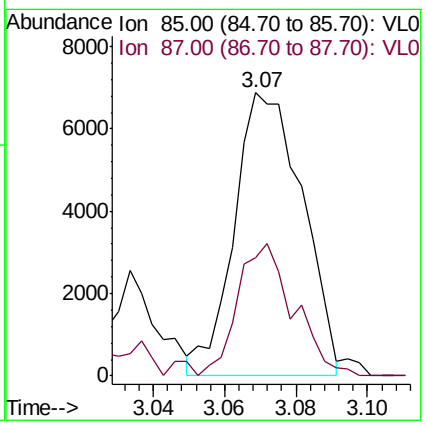


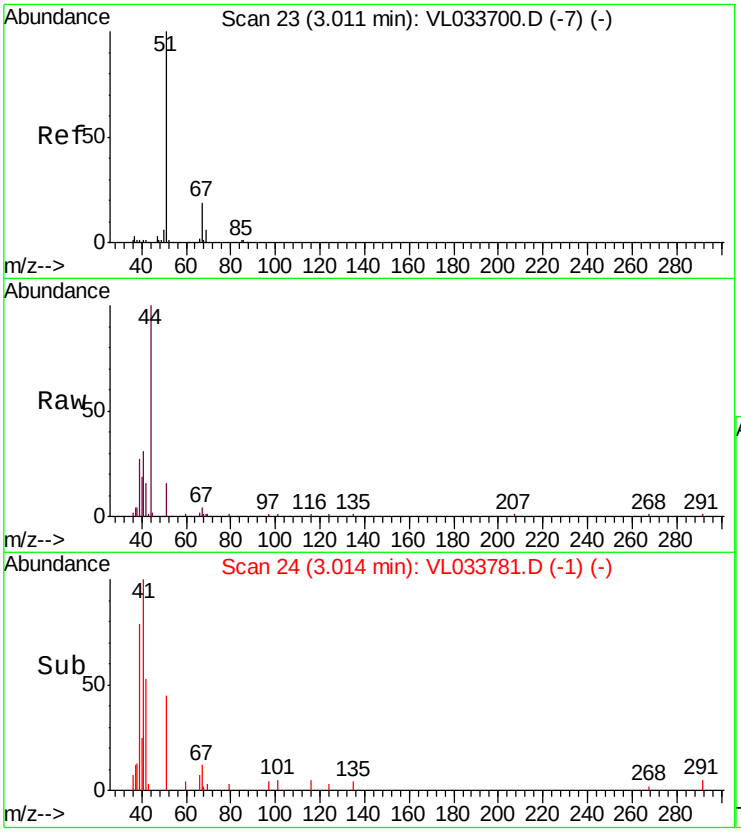


#2
Dichlorodifluoromethane
Concen: 0.040 ppbv
RT: 3.07 min Scan# 41
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 85 Resp: 9111

Ion	Ratio	Lower	Upper
85	100		
87	40.8	26.3	39.5#



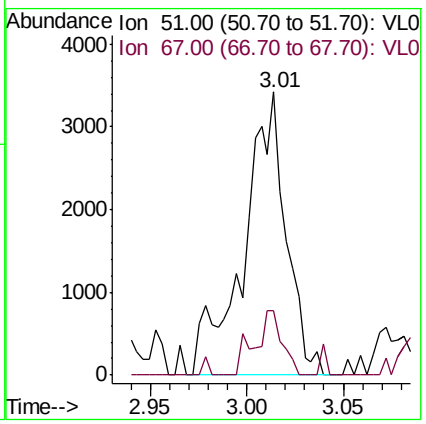


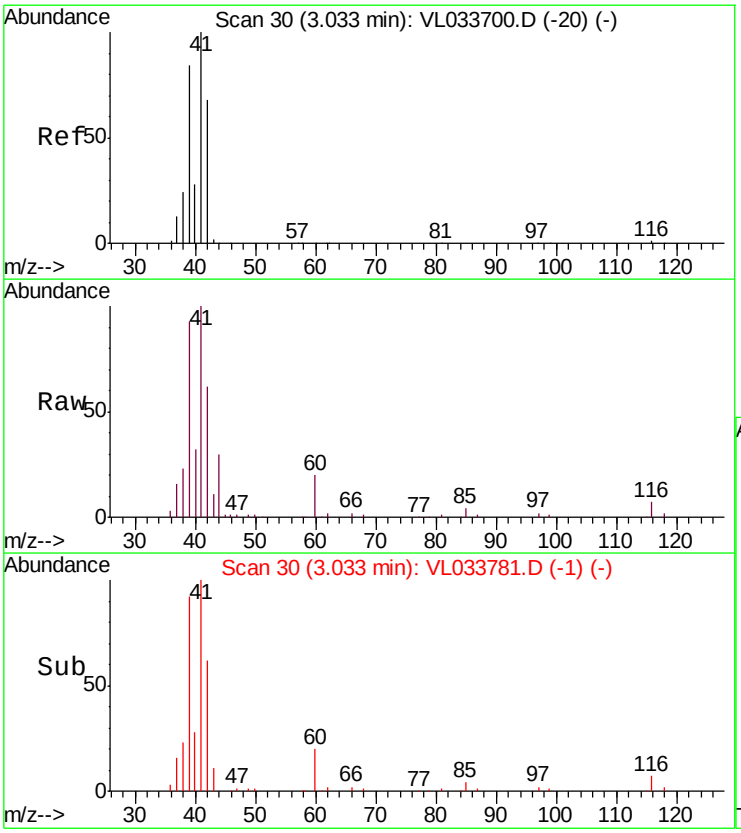
#3
Chlorodifluoromethane
Concen: 0.042 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 51 Resp: 5192

Ion	Ratio	Lower	Upper
51	100		
67	15.5	15.6	23.4#

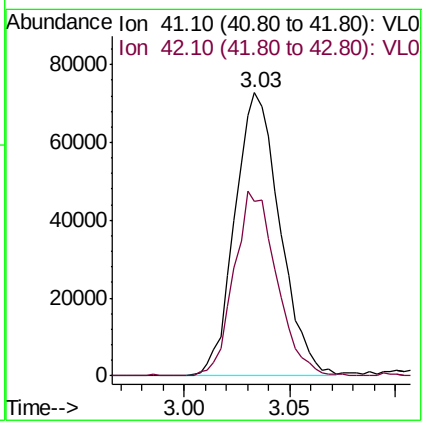


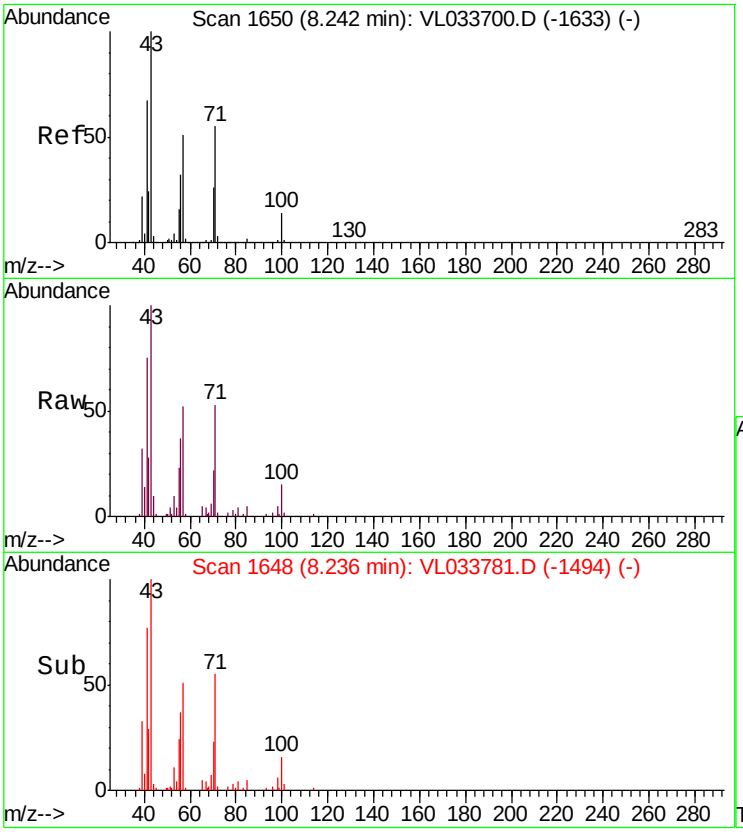


#9
Propene
Concen: 2.040 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 41 Resp: 108100

Ion	Ratio	Lower	Upper
41	100		
42	61.7	56.1	84.1



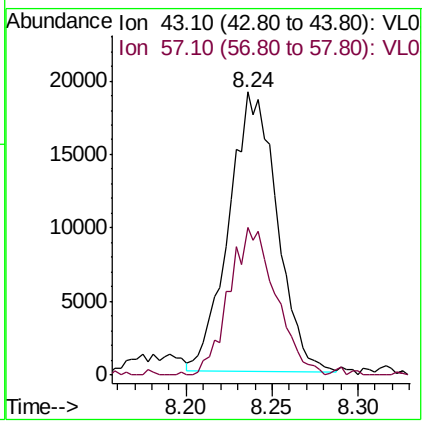


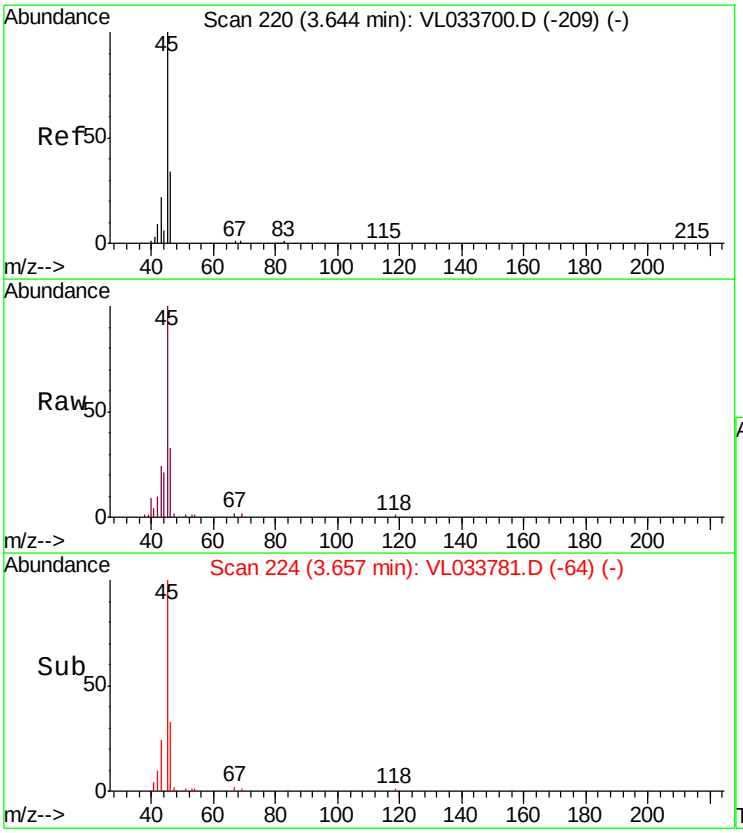
#10
Heptane
Concen: 0.247 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 43 Resp: 37018

Ion	Ratio	Lower	Upper
43	100		
57	52.3	41.4	62.0

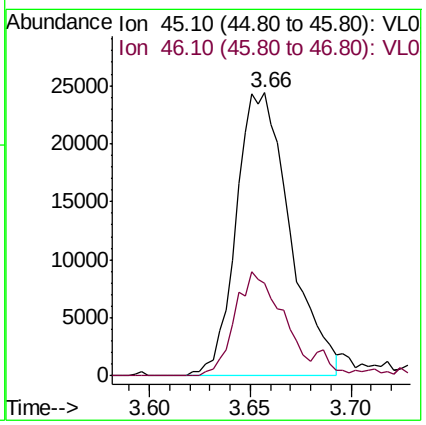


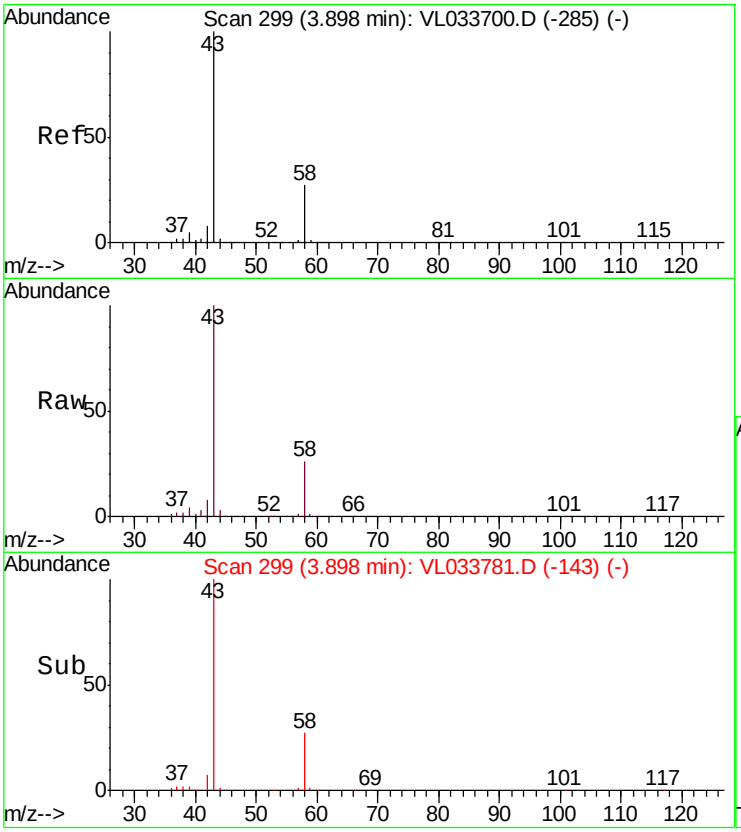


#13
Ethanol
Concen: 2.660 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 45 Resp: 45560

Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.8	59.0



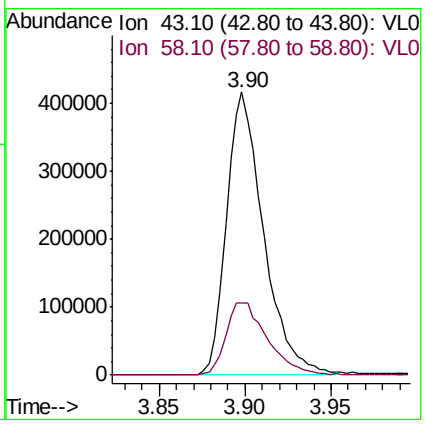


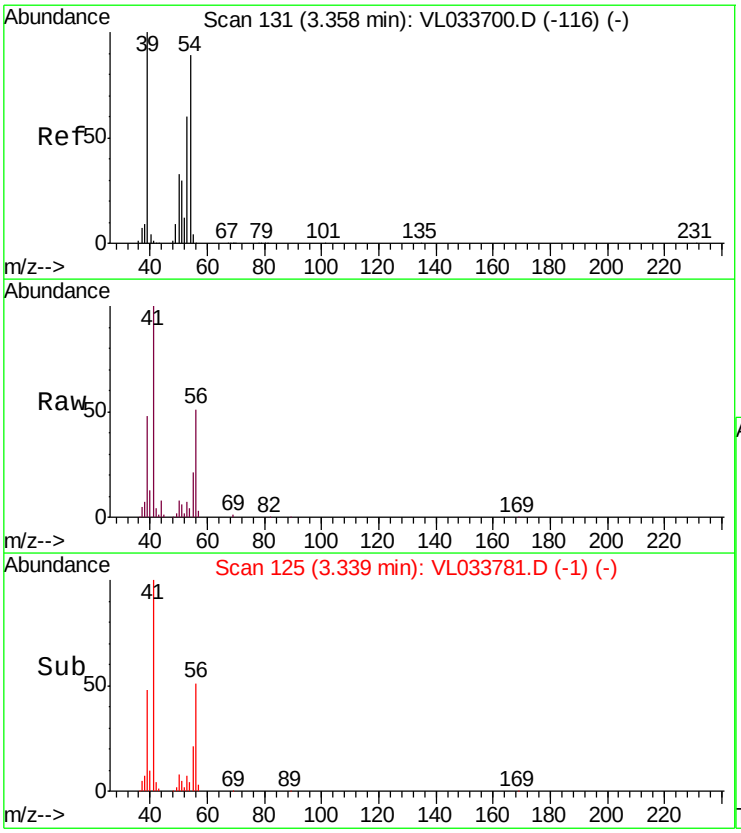
#15
Acetone
Concen: 4.155 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 43 Resp: 626899

Ion	Ratio	Lower	Upper
43	100		
58	29.5	21.3	31.9

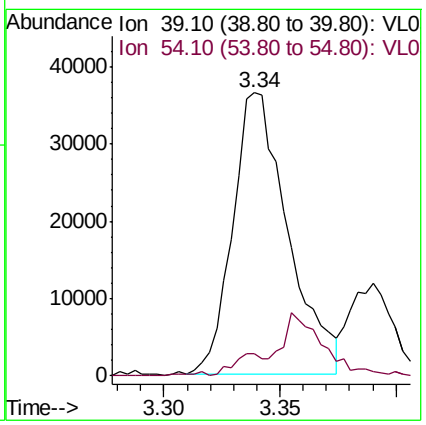


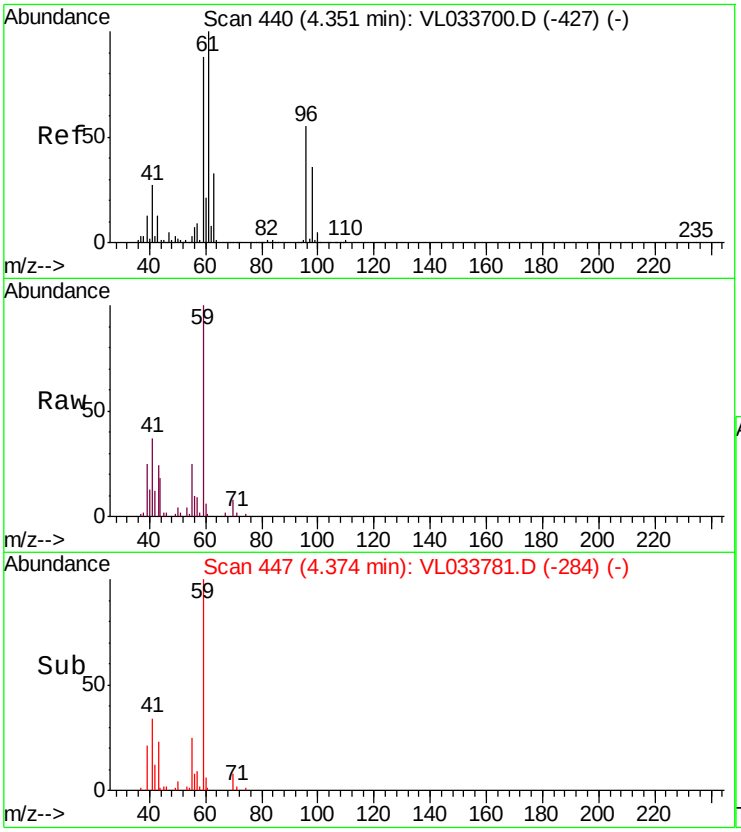


#16
1,3-Butadiene
Concen: 1.009 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 39 Resp: 60600

Ion	Ratio	Lower	Upper
39	100		
54	21.3	69.0	103.6#



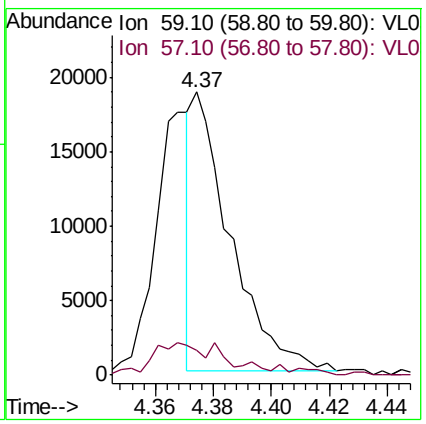


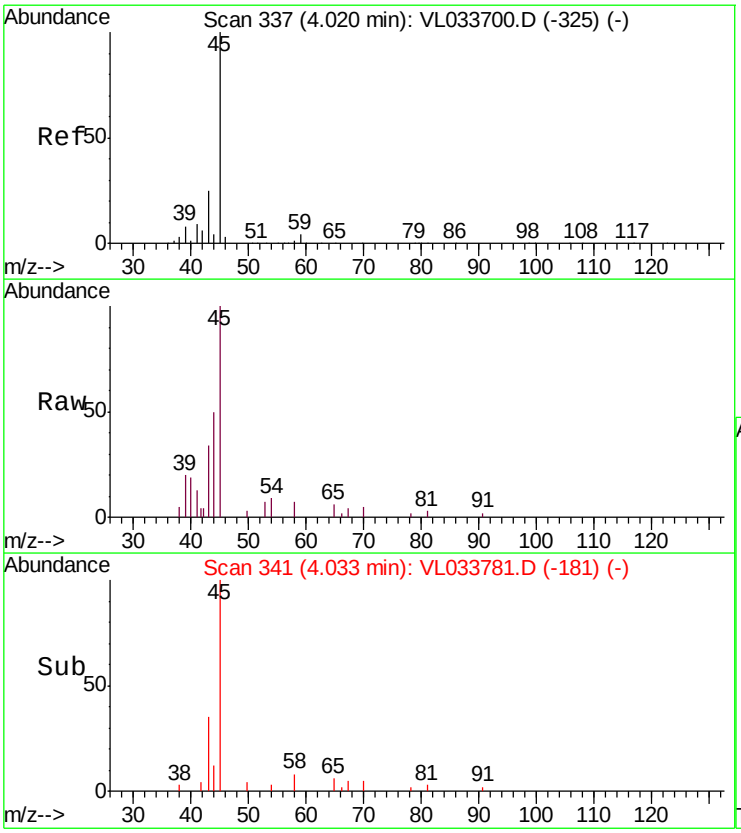
#17
tert-Butyl alcohol
Concen: 0.141 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.02 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 59 Resp: 17219

Ion	Ratio	Lower	Upper
59	100		
57	24.7	8.4	12.6#

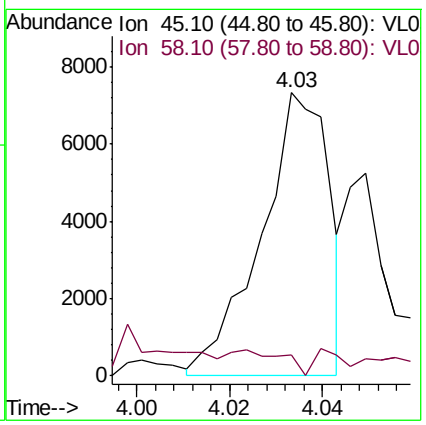


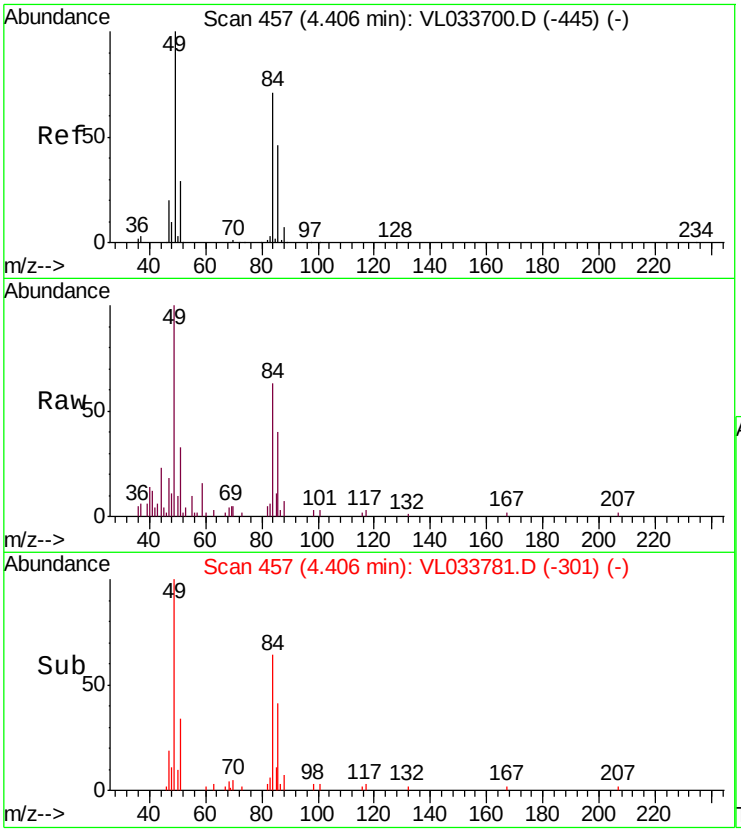


#19
Isopropyl Alcohol
Concen: 0.077 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 45 Resp: 7492

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.6	2.4#



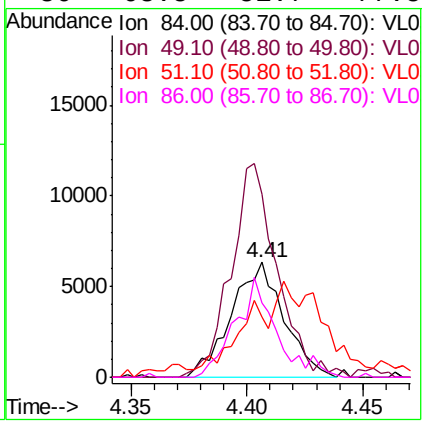


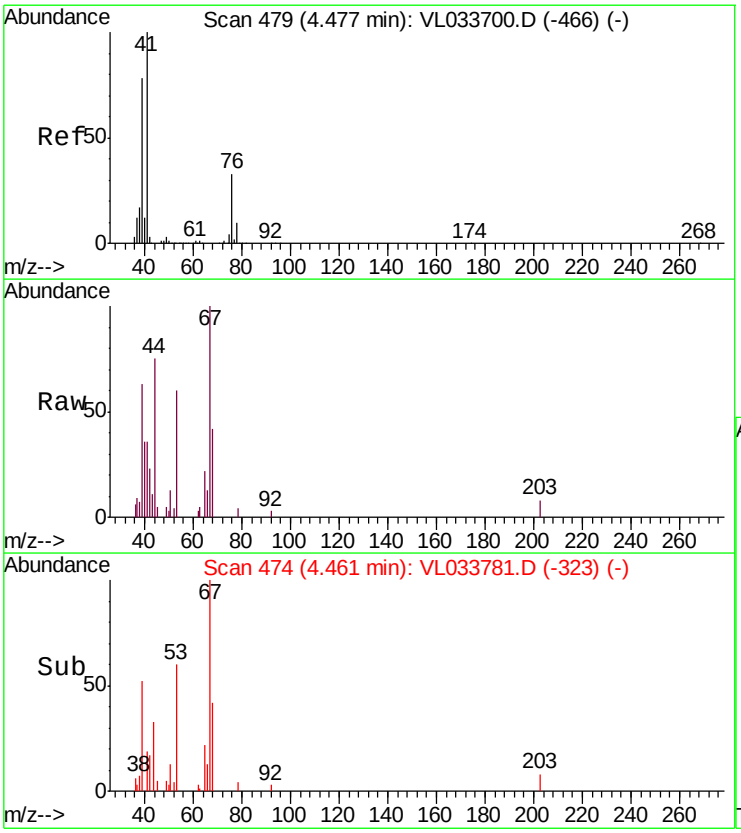
#20
Methylene Chloride
Concen: 0.172 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 84 Resp: 10003

Ion	Ratio	Lower	Upper
84	100		
49	155.8	112.8	169.2
51	45.5	33.4	50.0
86	68.5	51.7	77.5

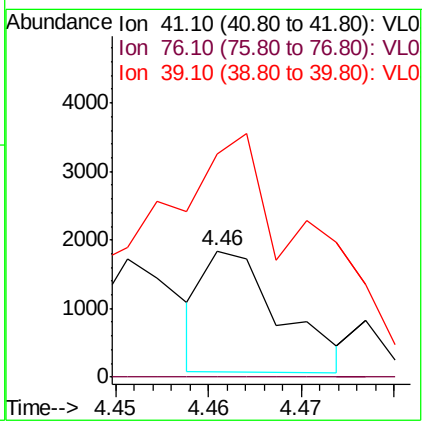


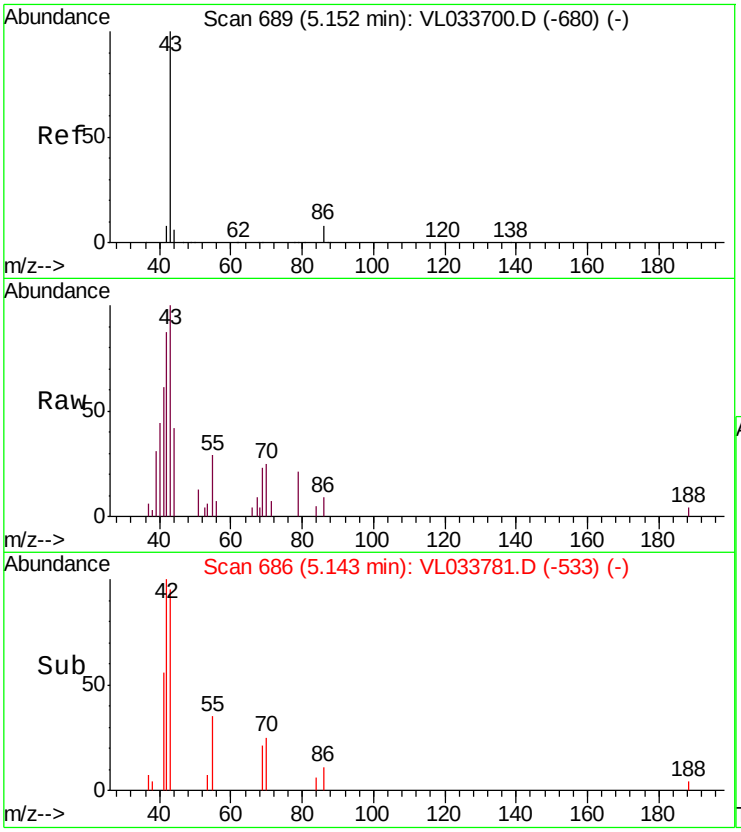


#21
Allyl Chloride
Concen: 0.011 ppbv
RT: 4.46 min Scan# 474
Delta R.T. -0.02 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 41 Resp: 1001

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.9	38.9#
39	874.8	64.6	97.0#



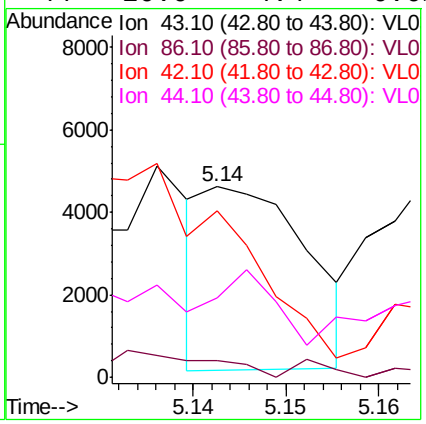


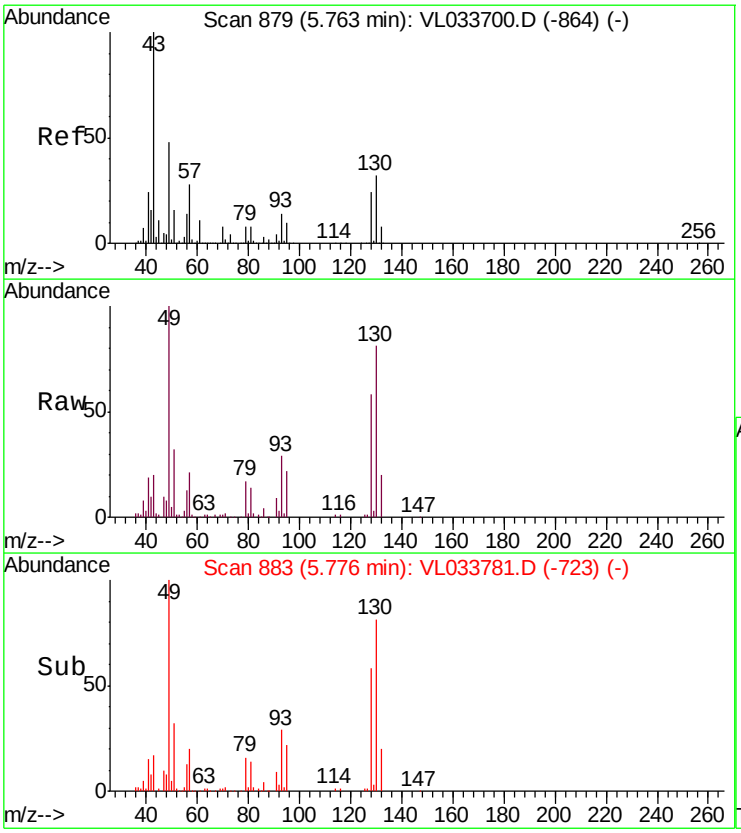
#23
Vinyl Acetate
Concen: 0.017 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 43 Resp: 3421

Ion	Ratio	Lower	Upper
43	100		
86	9.6	6.0	9.0#
42	151.4	7.5	11.3#
44	20.0	4.4	6.6#

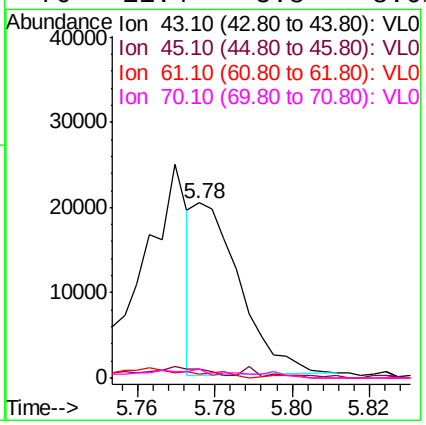


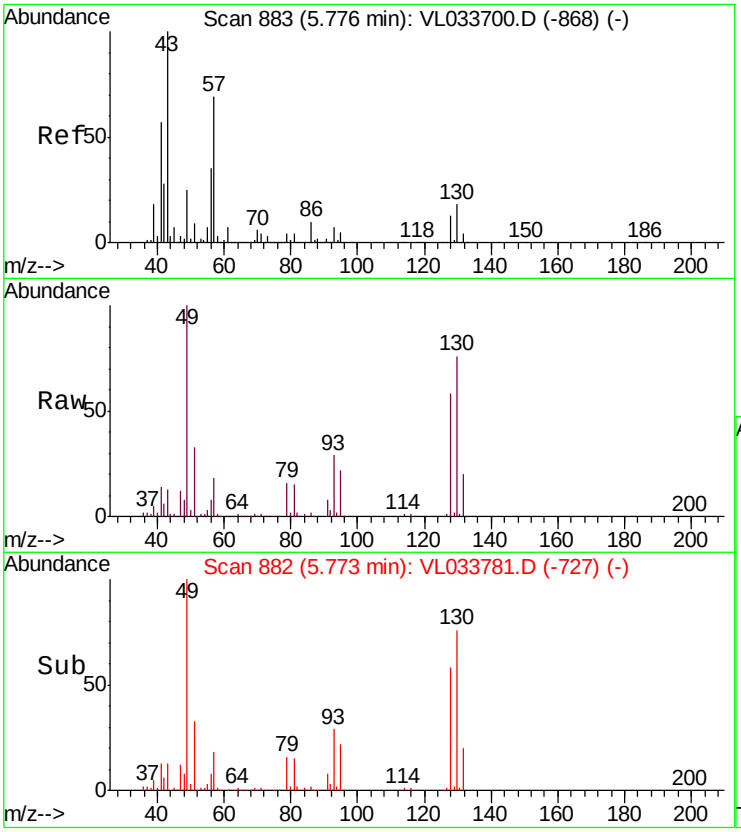


#25
Ethyl Acetate
Concen: 0.062 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 43 Resp: 16505

Ion	Ratio	Lower	Upper
43	100		
45	16.2	7.9	11.9#
61	0.0	7.7	11.5#
70	11.4	5.8	8.6#



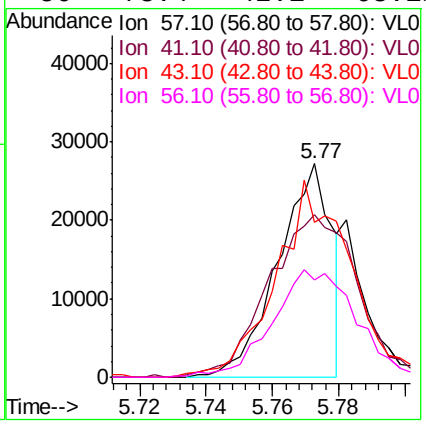


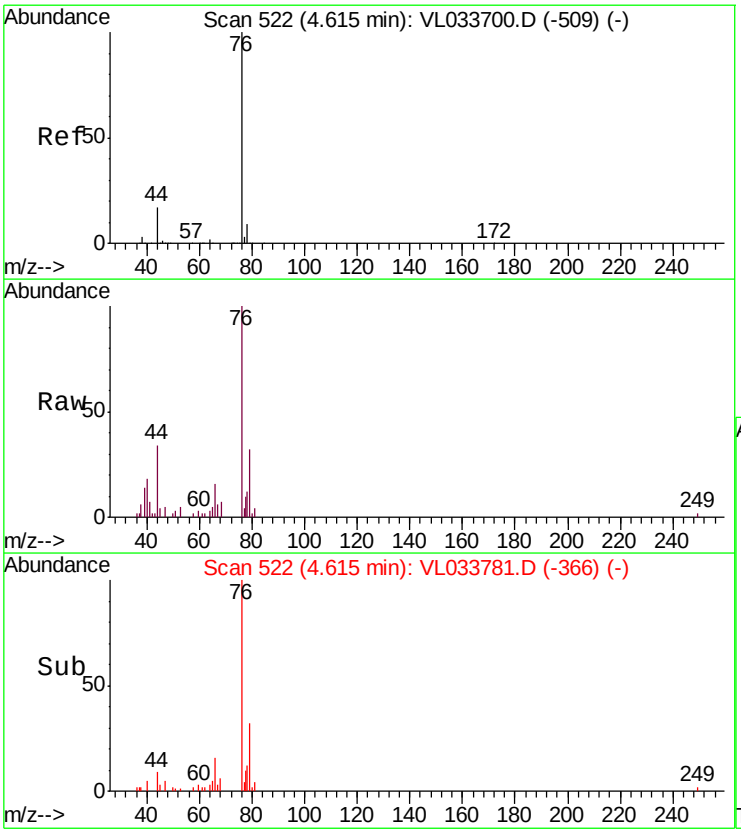
#26
Hexane
Concen: 0.270 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 57 Resp: 30784

Ion	Ratio	Lower	Upper
57	100		
41	129.1	69.8	104.6#
43	129.2	181.8	272.6#
56	78.4	42.1	63.1#

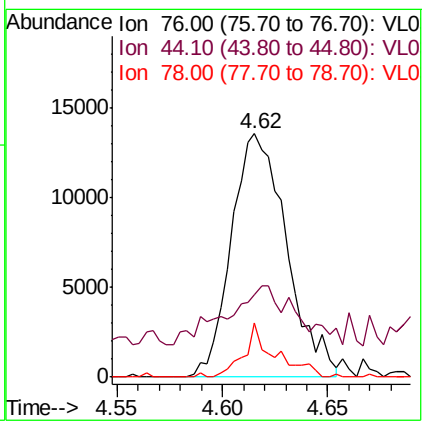


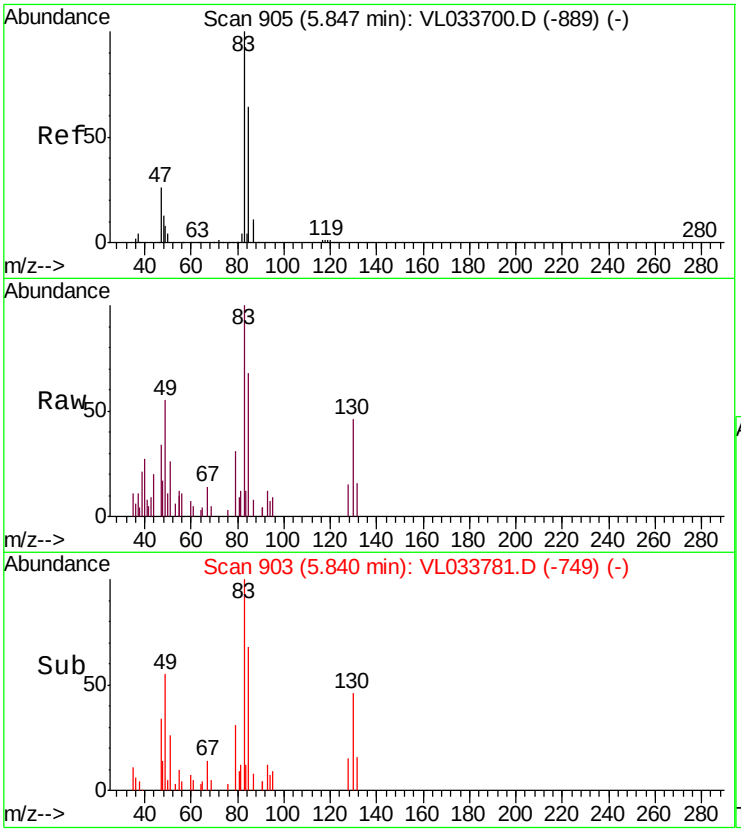


#27
Carbon Disulfide
Concen: 0.157 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 76 Resp: 24590

Ion	Ratio	Lower	Upper
76	100		
44	29.9	13.8	20.8#
78	12.4	7.4	11.0#



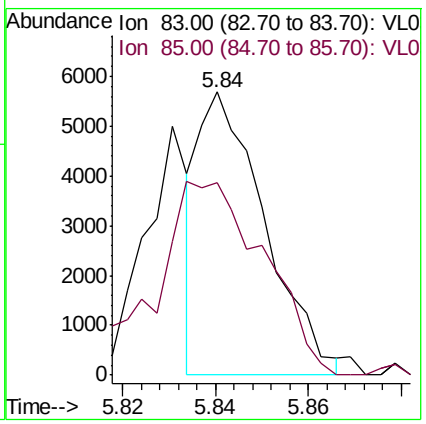


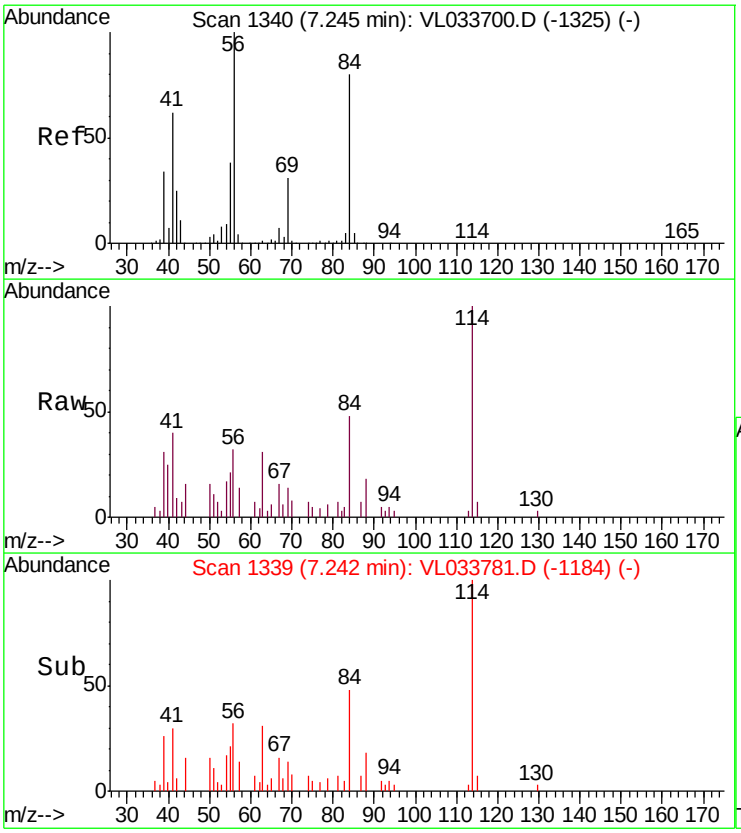
#29
Chloroform
Concen: 0.027 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 83 Resp: 5627

Ion	Ratio	Lower	Upper
83	100		
85	72.3	51.5	77.3

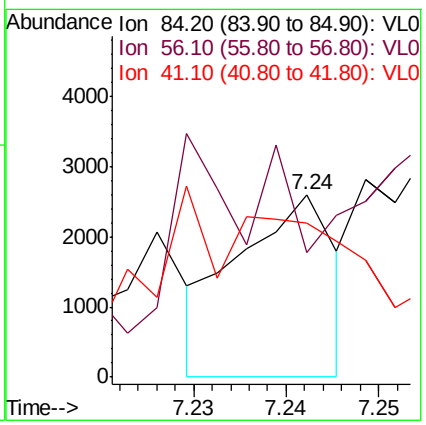


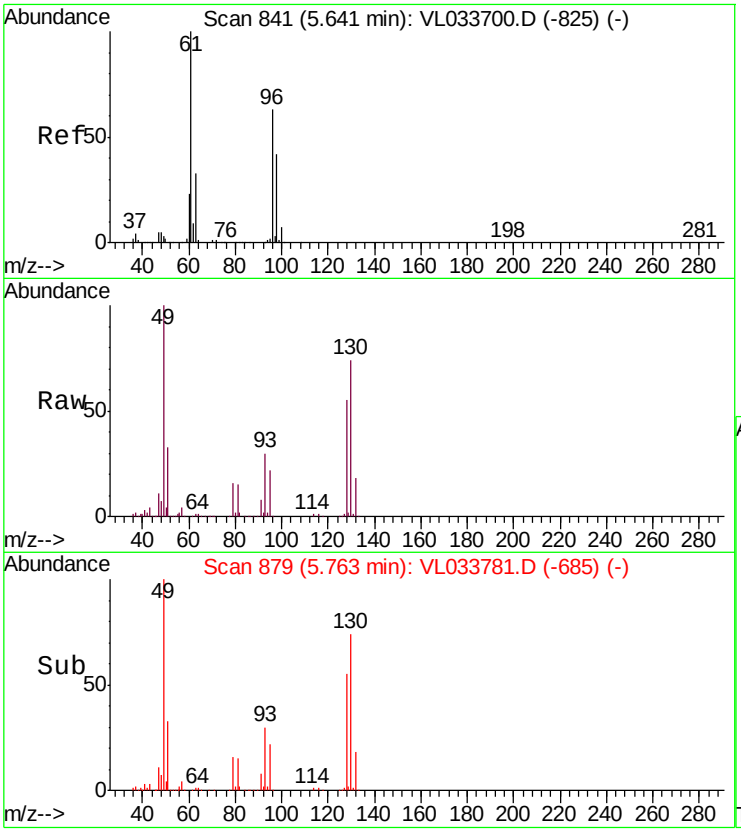


#30
Cyclohexane
Concen: 0.020 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 84 Resp: 1888

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



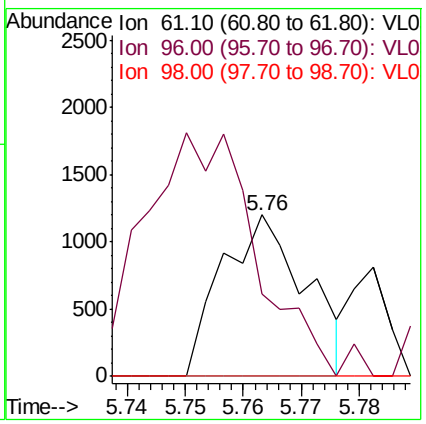


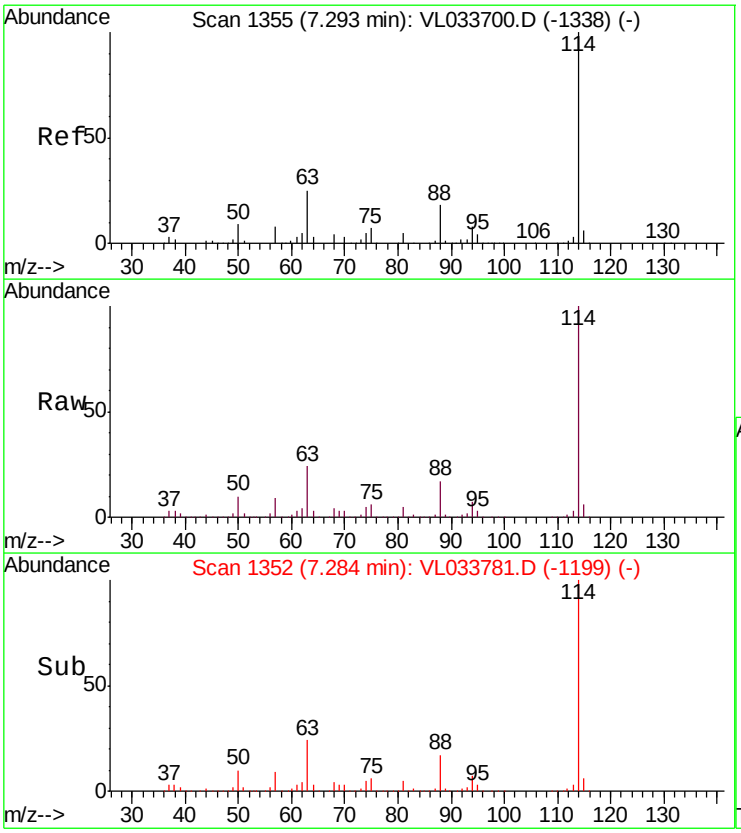
#31
cis-1,2-Dichloroethene
Concen: 0.011 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.12 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 61 Resp: 1204

Ion	Ratio	Lower	Upper
61	100		
96	51.4	50.8	76.2
98	0.0	33.3	49.9#

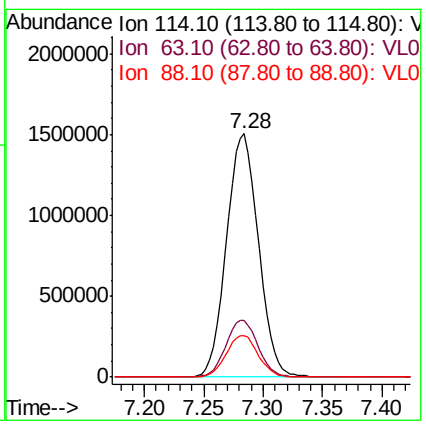


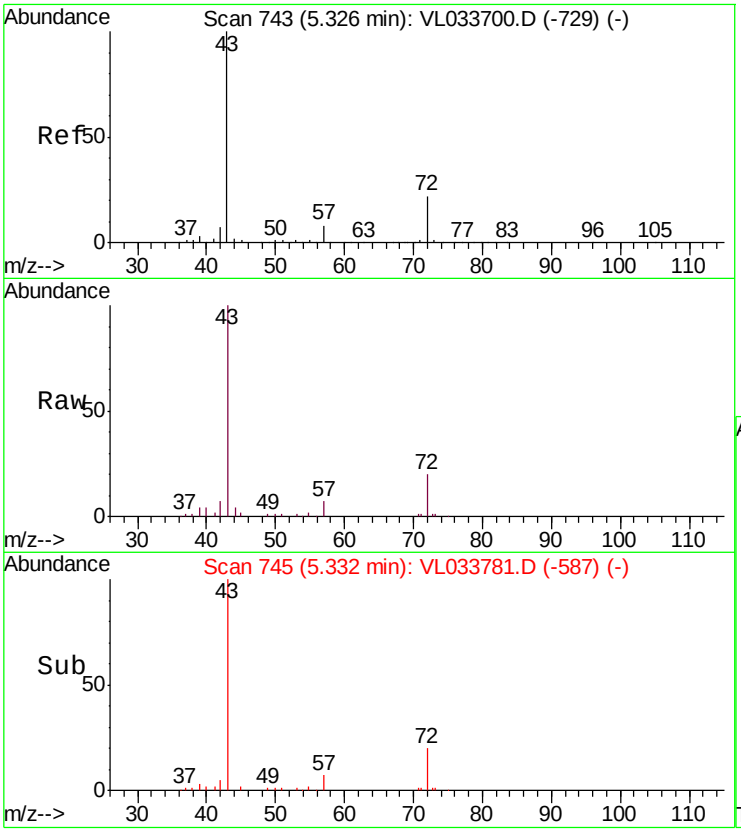


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion:114 Resp: 2804738

Ion	Ratio	Lower	Upper
114	100		
63	23.6	20.9	31.3
88	17.2	14.3	21.5



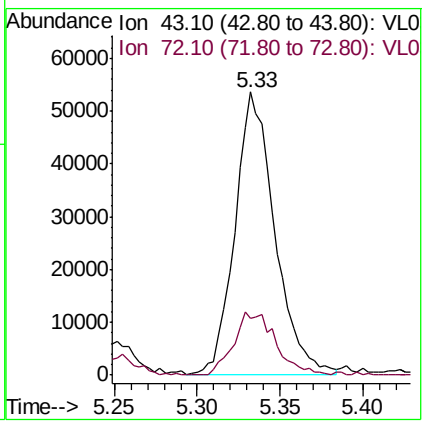


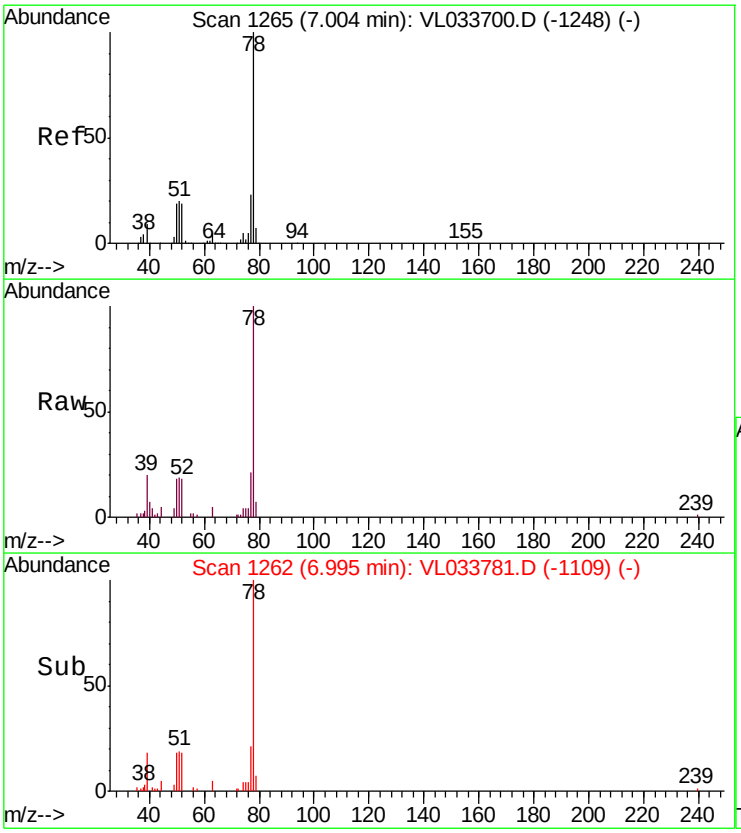
#34
2-Butanone
Concen: 0.512 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 43 Resp: 88970

Ion	Ratio	Lower	Upper
43	100		
72	24.0	17.8	26.6

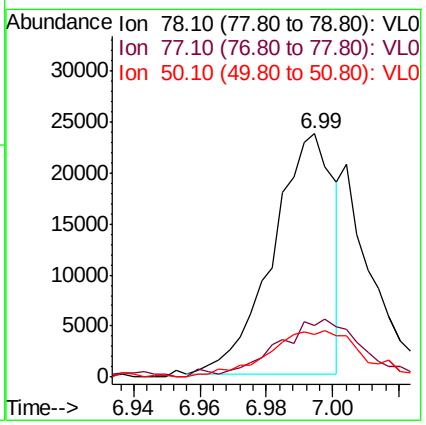


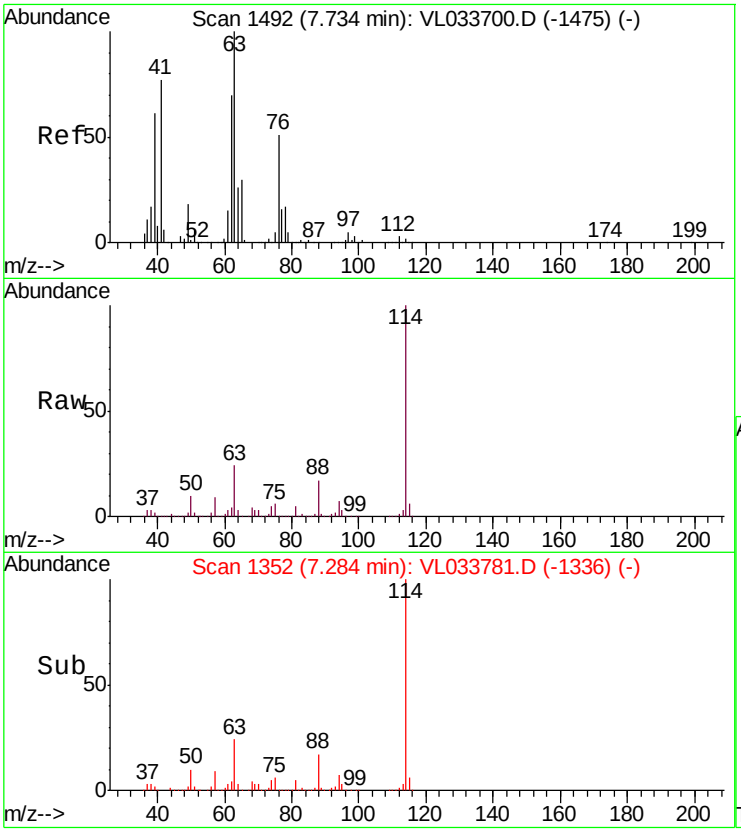


#36
Benzene
Concen: 0.119 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 78 Resp: 30299

Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.4	27.6
50	16.5	15.5	23.3



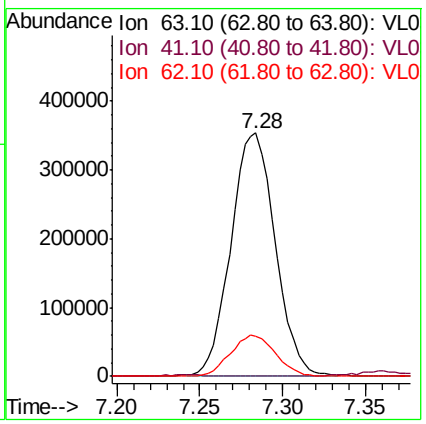


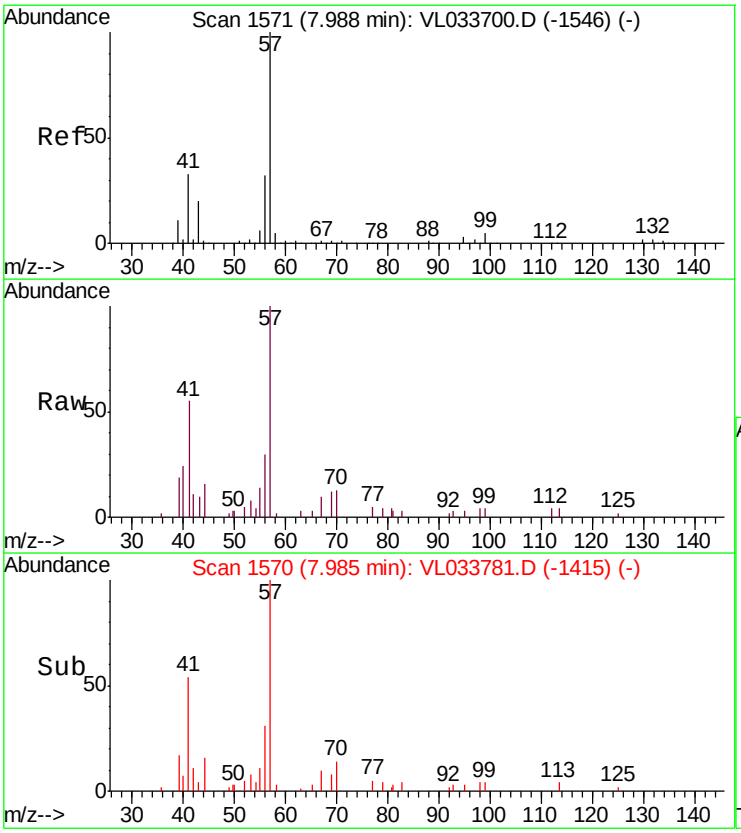
#39
1,2-Dichloropropane
Concen: 6.830 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.45 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 63 Resp: 649717

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	16.4	56.2	84.4#

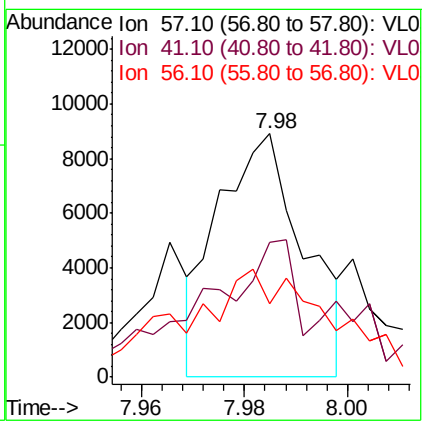


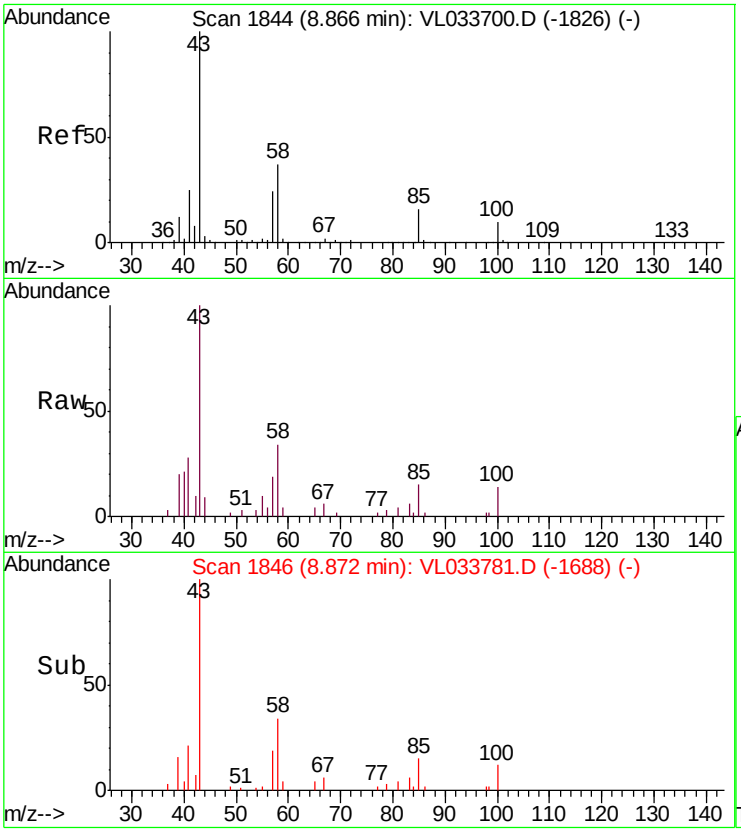


#44
2,2,4-Trimethylpentane
Concen: 0.024 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 57 Resp: 10336

Ion	Ratio	Lower	Upper
57	100		
41	94.0	25.4	38.0#
56	82.9	24.7	37.1#



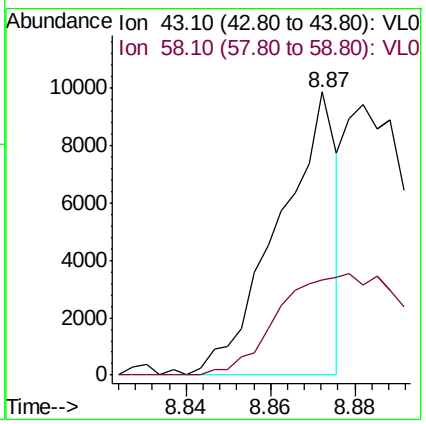


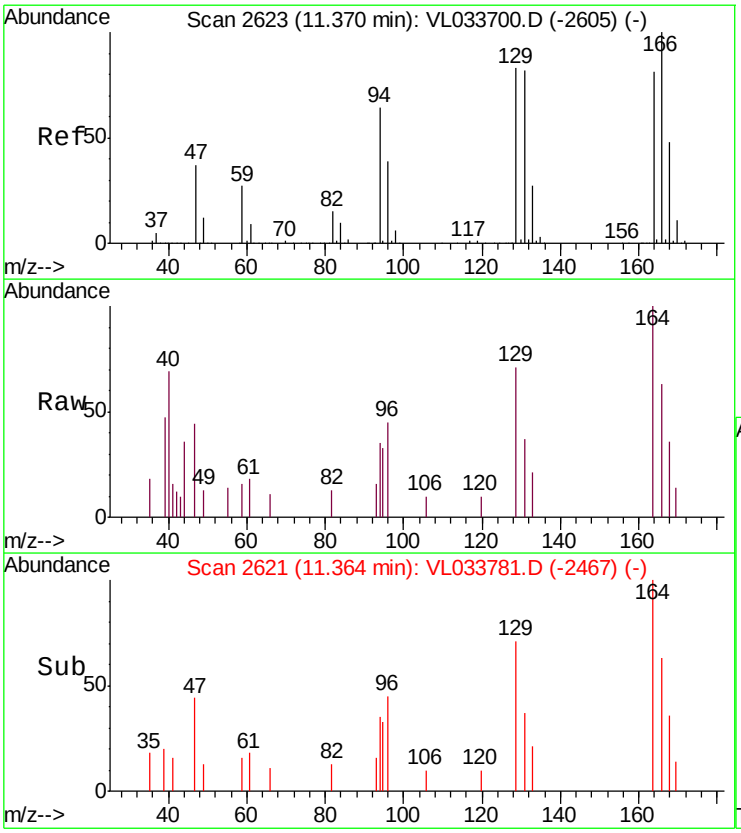
#50
4-Methyl-2-Pentanone
Concen: 0.035 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 43 Resp: 9434

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.6	43.0#

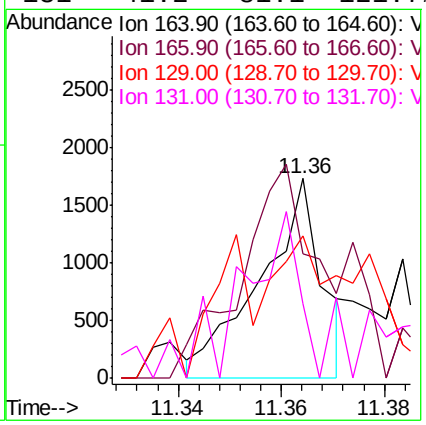


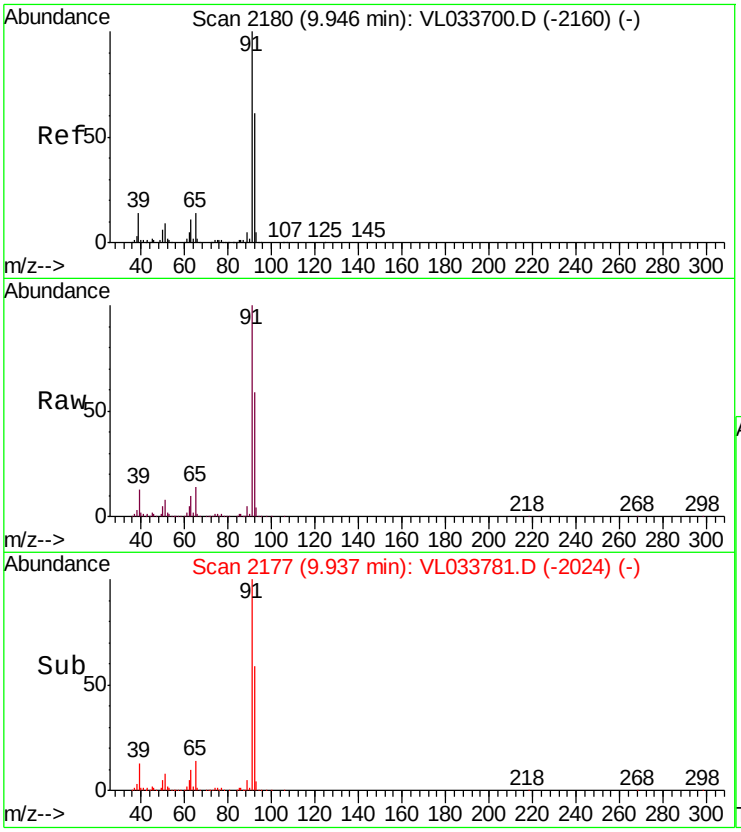


#52
Tetrachloroethene
Concen: 0.016 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion:164 Resp: 1409

Ion	Ratio	Lower	Upper
164	100		
166	50.8	98.9	148.3#
129	78.5	81.8	122.6#
131	41.2	81.1	121.7#



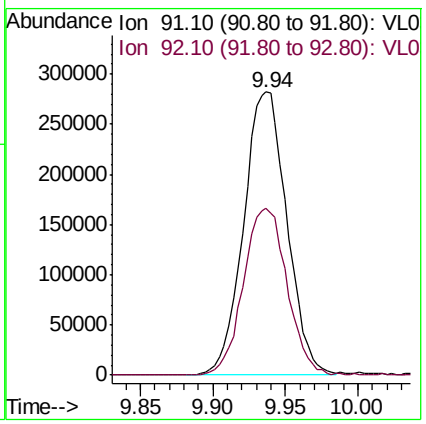


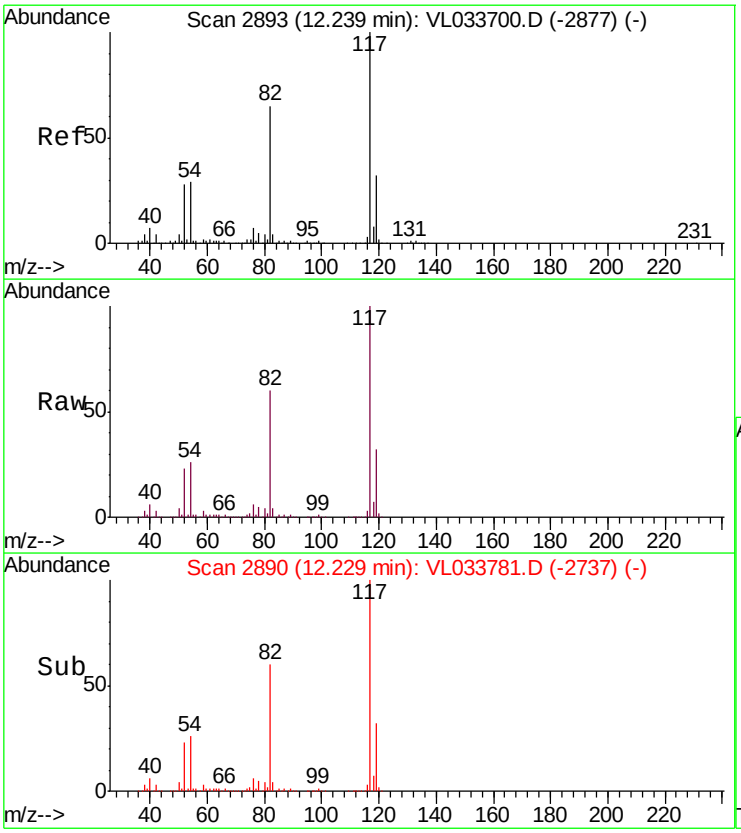
#53
Toluene
Concen: 2.131 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3003-25DL

Tgt Ion: 91 Resp: 586373

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.6	71.4

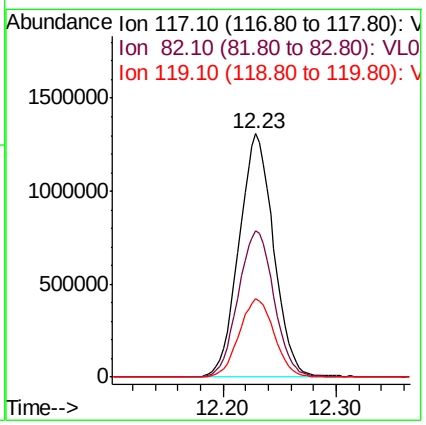


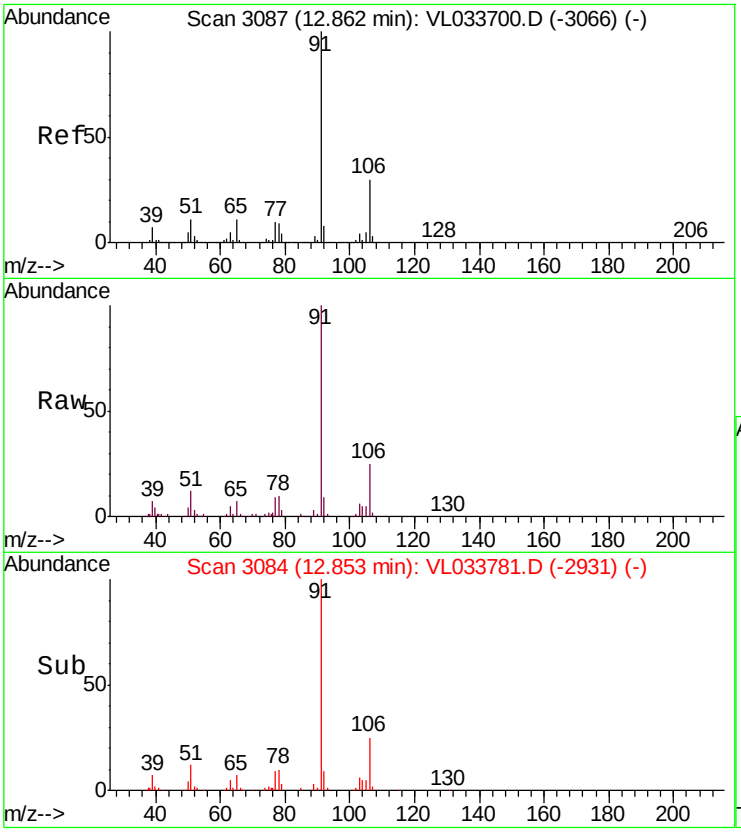


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion:117 Resp: 2783600

Ion	Ratio	Lower	Upper
117	100		
82	62.8	49.4	74.0
119	32.8	24.9	37.3



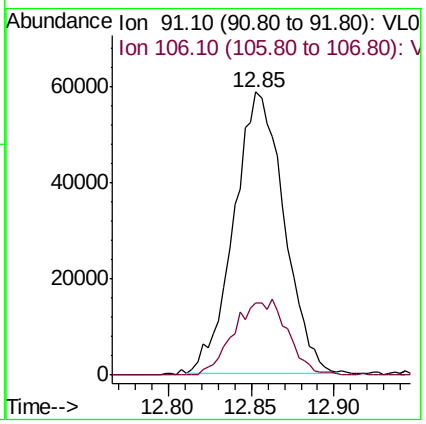


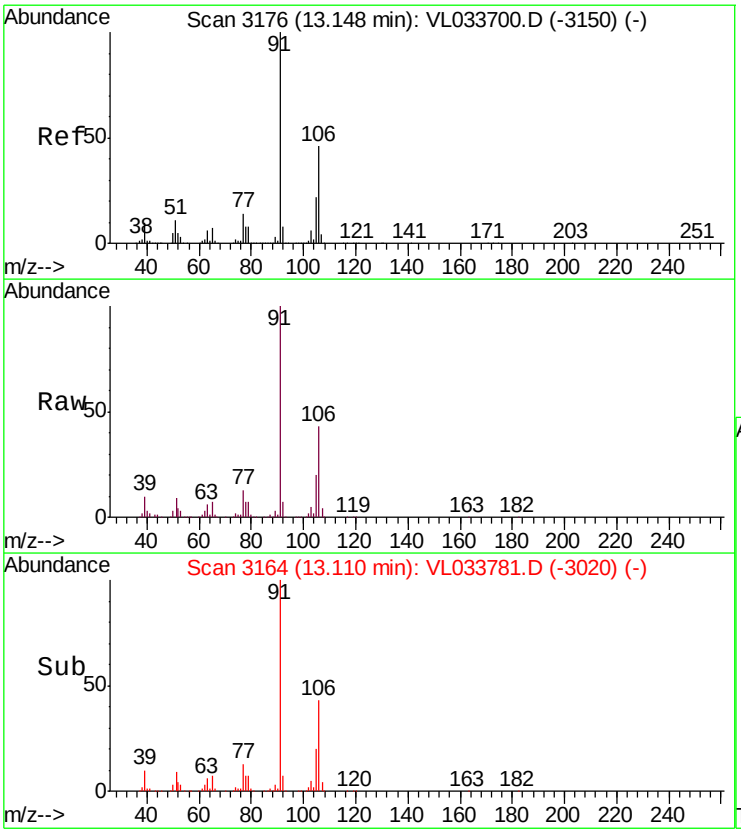
#58
Ethyl Benzene
Concen: 0.333 ppbv
RT: 12.85 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3003-25DL

Tgt Ion: 91 Resp: 122772

Ion	Ratio	Lower	Upper
91	100		
106	25.6	23.9	35.9

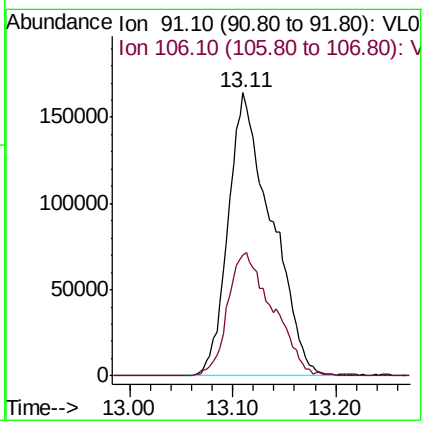


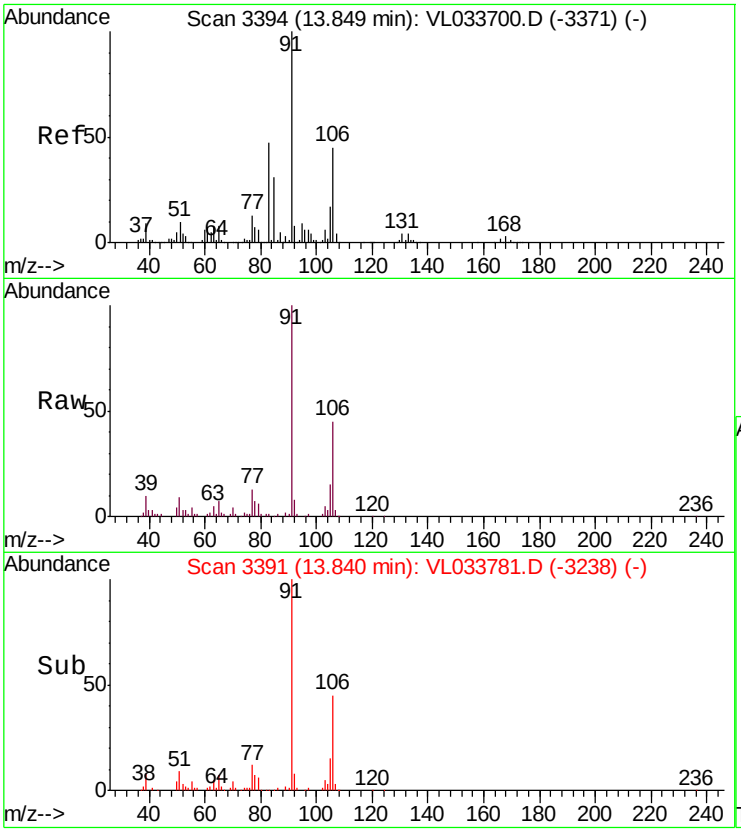


#59
m/p-Xylene
Concen: 1.484 ppbv
RT: 13.11 min Scan# 3164
Delta R.T. -0.04 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion: 91 Resp: 478305

Ion	Ratio	Lower	Upper
91	100		
106	45.8	35.8	53.6



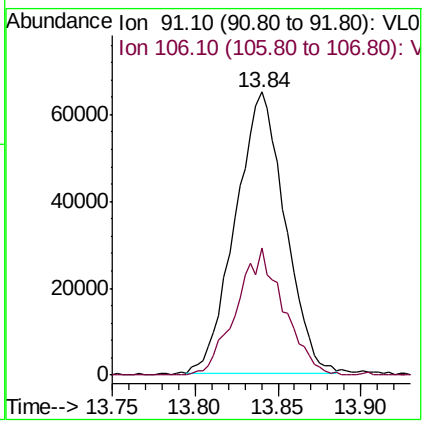


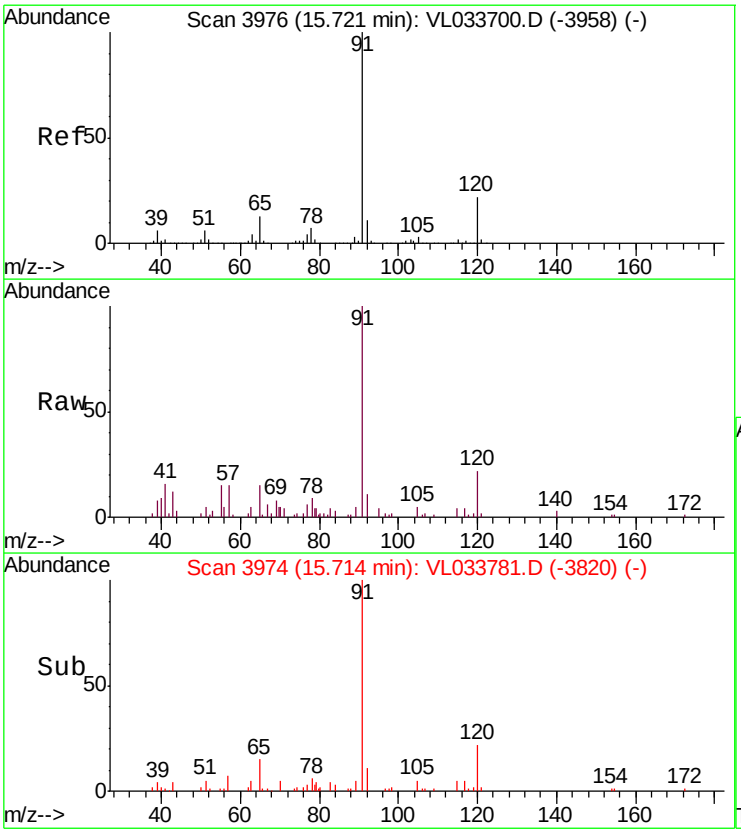
#60
o-Xylene
Concen: 0.413 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 91 Resp: 134177

Ion	Ratio	Lower	Upper
91	100		
106	43.4	21.6	64.8

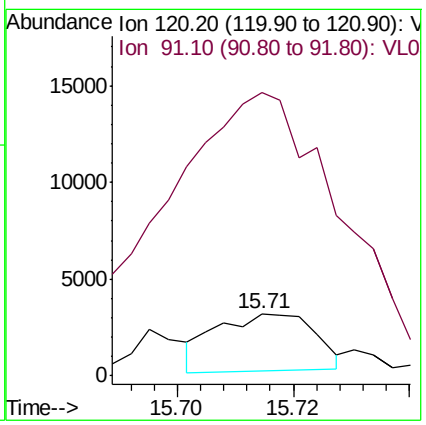


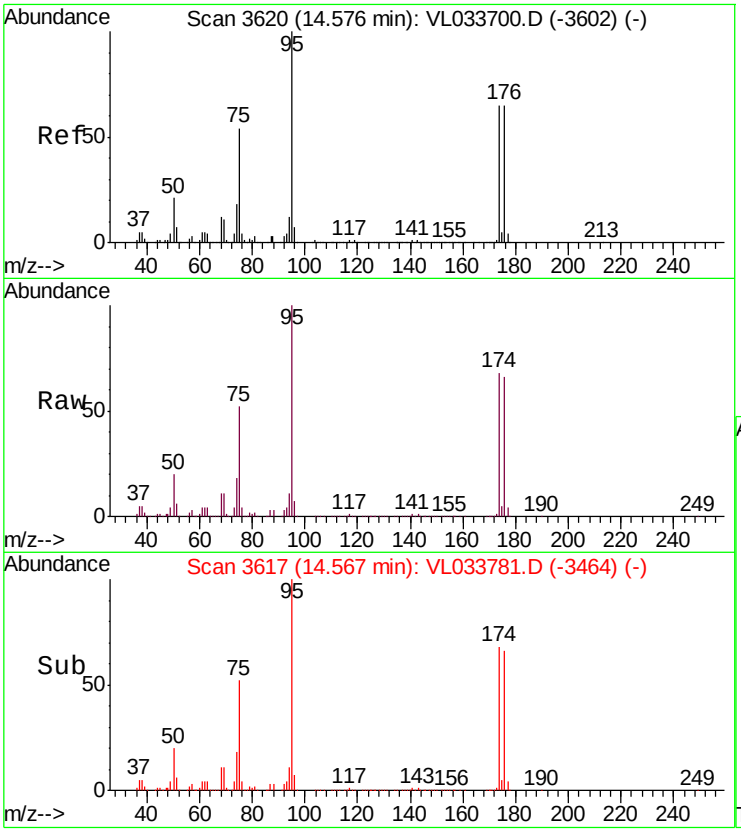


#64
n-propylbenzene
Concen: 0.031 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion:120 Resp: 3535

Ion	Ratio	Lower	Upper
120	100		
91	1033.0	379.1	568.7#



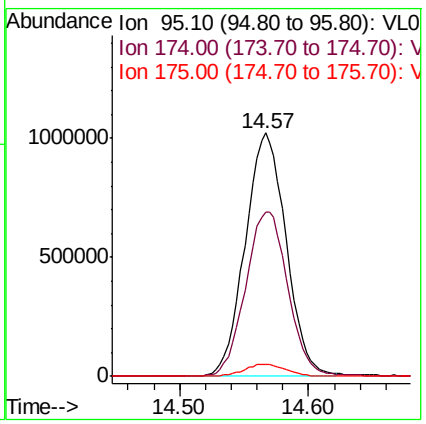


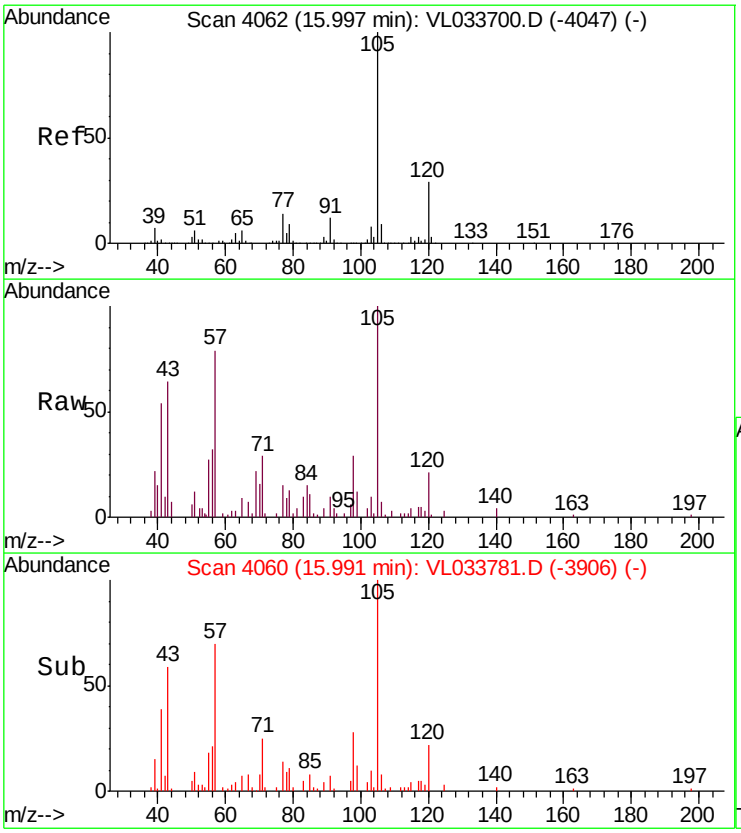
#68
1-Bromo-4-Fluorobenzene
Concen: 9.998 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion: 95 Resp: 2256181

Ion	Ratio	Lower	Upper
95	100		
174	70.6	53.9	80.9
175	5.1	3.8	5.8

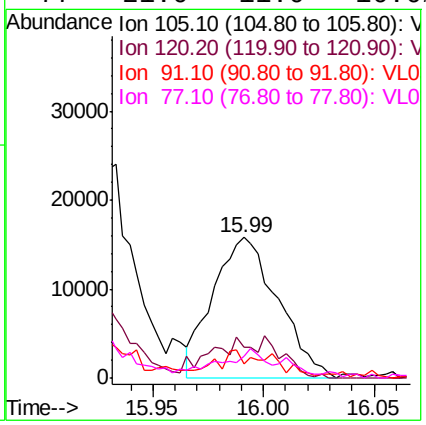


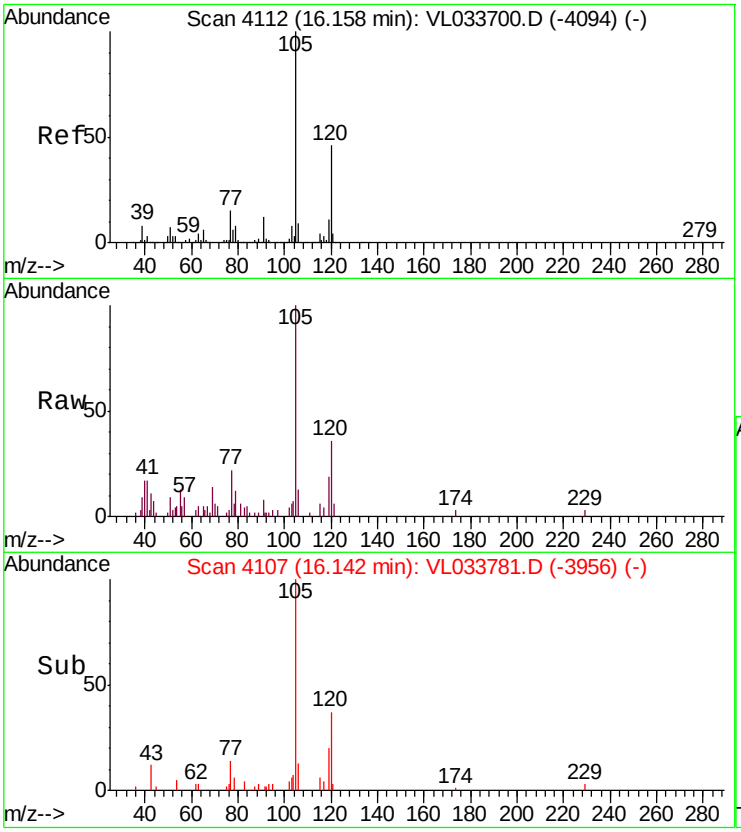


#72
4-Ethyltoluene
Concen: 0.087 ppbv
RT: 15.99 min Scan# 4060
Delta R.T. -0.01 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion:105 Resp: 32263

Ion	Ratio	Lower	Upper
105	100		
120	30.0	23.1	34.7
91	16.9	10.4	15.6#
77	21.0	11.0	16.6#



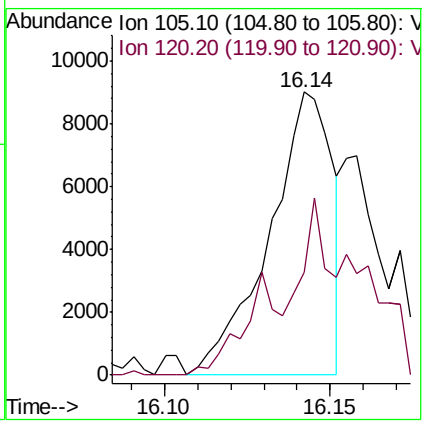


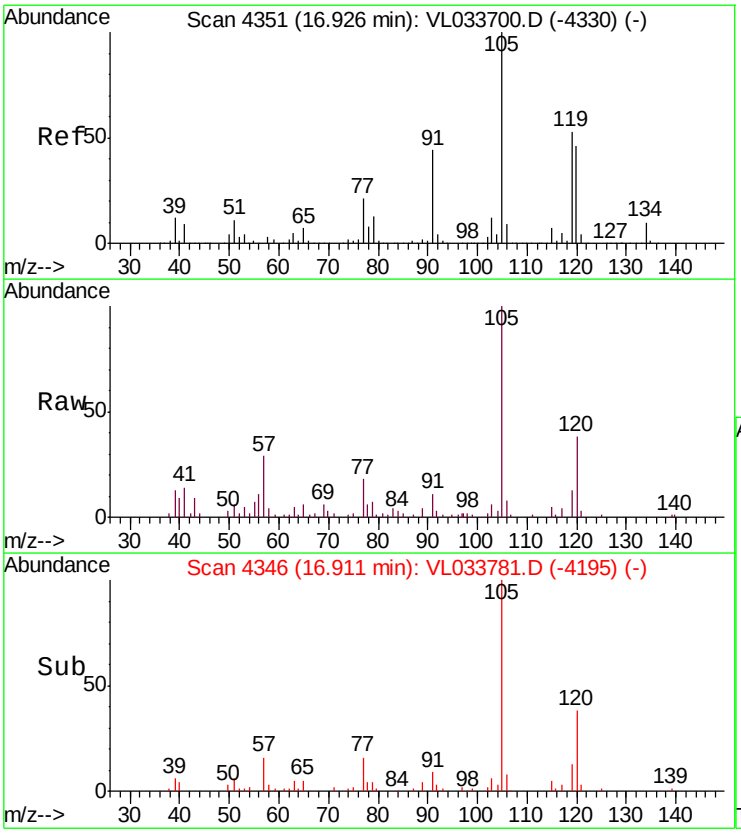
#73
1,3,5-Trimethylbenzene
Concen: 0.033 ppbv
RT: 16.14 min Scan# 4107
Delta R.T. -0.02 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3003-25DL

Tgt Ion:105 Resp: 11956

Ion	Ratio	Lower	Upper
105	100		
120	36.3	37.0	55.4#





#74
1,2,4-Trimethylbenzene
Concen: 0.093 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.02 min
Lab File: VL033781.D
Acq: 23 May 2019 20:05

Tgt Ion:105 Resp: 36634

Ion	Ratio	Lower	Upper
105	100		
120	41.7	36.8	55.2
91	12.9	35.4	53.0#
77	20.9	16.8	25.2