Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\

Quantitation Report (Not Reviewed)

Data File : VL033844.D
Acq On : 29 May 2019 20:48
Operator : SY/AP
Sample : K3067-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-25-20190522-0

Quant Time: May 30 02:12:40 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	713467	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	1778093	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	1651224	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1404883	10.50	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	13656	0.091	ppbv	#	86
3) Chlorodifluoromethane	3.01	51	18608	0.228	ppbv	#	91
4) Chloromethane	3.17	50	12047	0.258	ppbv	#	83
9) Propene	3.04	41	12808	0.368	ppbv		91
11) Trichlorofluoromethane	4.00	101	63893	0.445	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	4623	0.046	ppbv	#	21
13) Ethanol	3.65	45	218169	19.418	ppbv		99
15) Acetone	3.90	43	1078433	10.894	ppbv		97
16) 1,3-Butadiene	3.34	39	15132	0.384	ppbv	#	16
17) tert-Butyl alcohol	4.37	59	8500	0.106	ppbv	#	72
19) Isopropyl Alcohol	4.03	45	230081	3.605	ppbv	#	94
20) Methylene Chloride	4.41	84	95348	2.502	ppbv		95
23) Vinyl Acetate	5.14	43	44092	0.338	ppbv	#	83
25) Ethyl Acetate	5.77	43	182652	1.050	ppbv	#	80
26) Hexane	5.77	57	238826	3.195	ppbv	#	40
27) Carbon Disulfide	4.62	76	43148	0.421	ppbv	#	78
29) Chloroform	5.84	83	89670	0.651	ppbv		94
30) Cyclohexane	7.24	84	2014	0.032	ppbv	#	1
32) 1,1,1-Trichloroethane	6.61	97	4227	0.031	ppbv	#	61
34) 2-Butanone	5.33	43	146927	1.333	ppbv		99
36) Benzene	7.00	78	13515	0.084	ppbv		92
39) 1,2-Dichloropropane	7.28	63	469942	7.793	ppbv	#	22
44) 2,2,4-Trimethylpentane	7.98	57	10271	0.038	ppbv	#	1
52) Tetrachloroethene	11.37	164	80867	1.422	ppbv		95
53) Toluene	9.94	91	264966	1.519	ppbv		98
58) Ethyl Benzene	13.15	91	8104	0.037	ppbv		91
59) m/p-Xylene	13.15	91	8104	0.042	ppbv	#	31
60) o-Xylene	13.84	91	26601	0.138	ppbv		97
72) 4-Ethyltoluene	15.98	105	7693	0.035	ppbv	#	78
74) 1,2,4-Trimethylbenzene	16.91	105	19143	0.082	ppbv	#	75
80) Naphthalene,2-methyl-	25.11	142	4417	0.053	ppbv		92

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

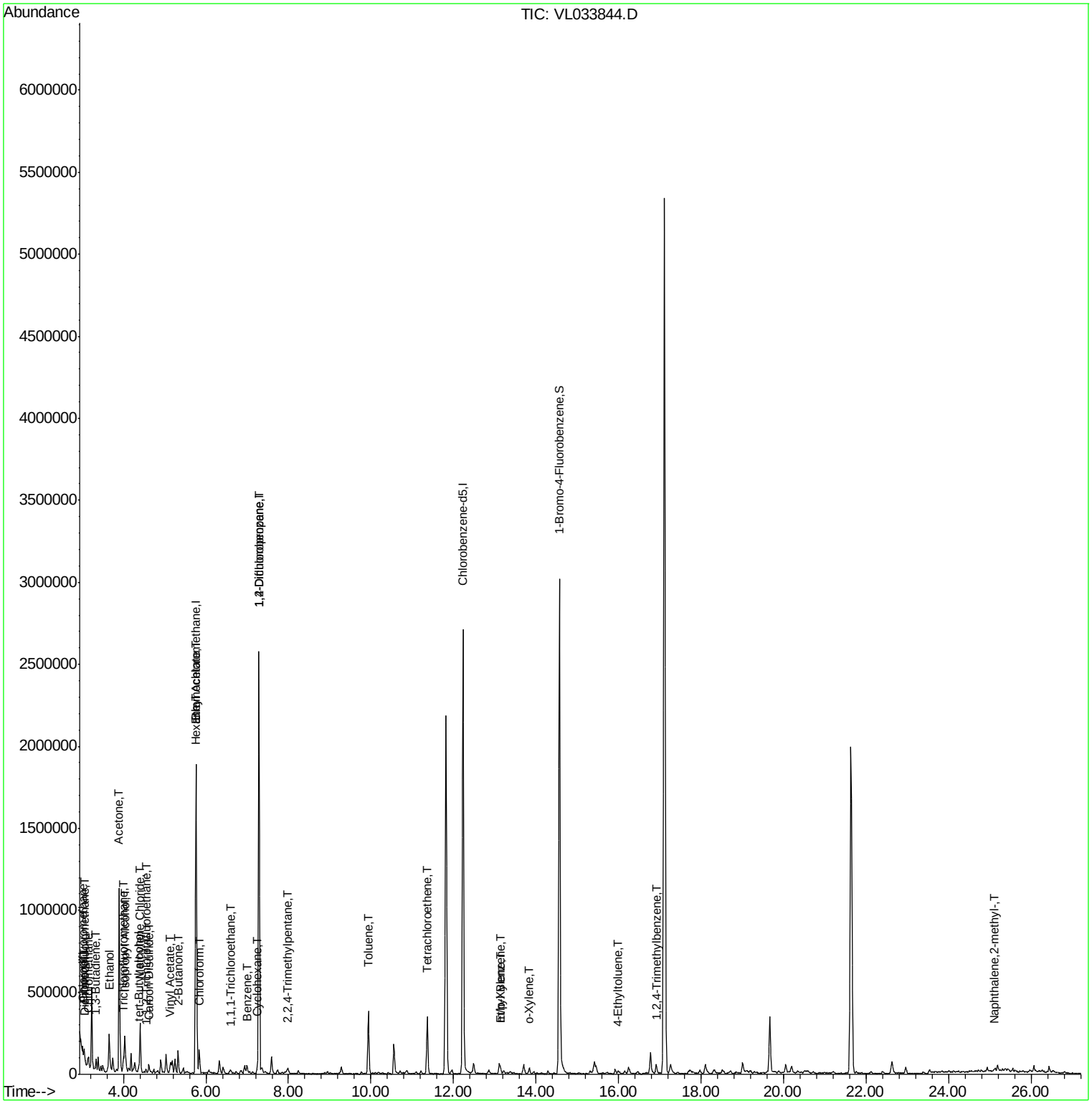
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\

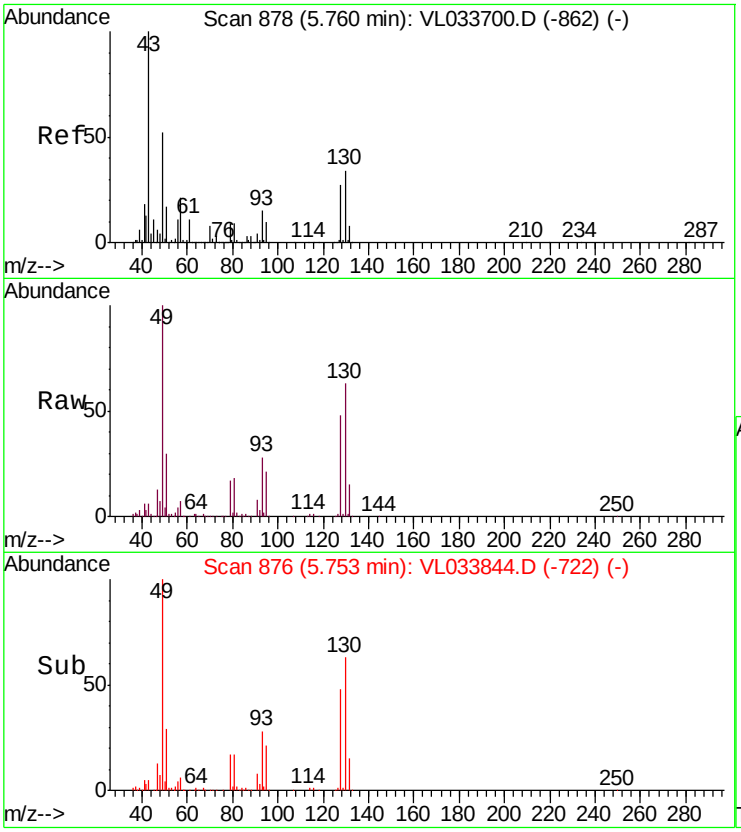
Quantitation Report (Not Reviewed)

Data File : VL033844.D
Acq On : 29 May 2019 20:48
Operator : SY/AP
Sample : K3067-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-25-20190522-0

Quant Time: May 30 02:12:40 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



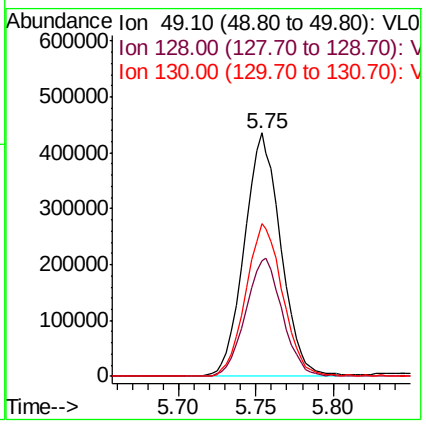


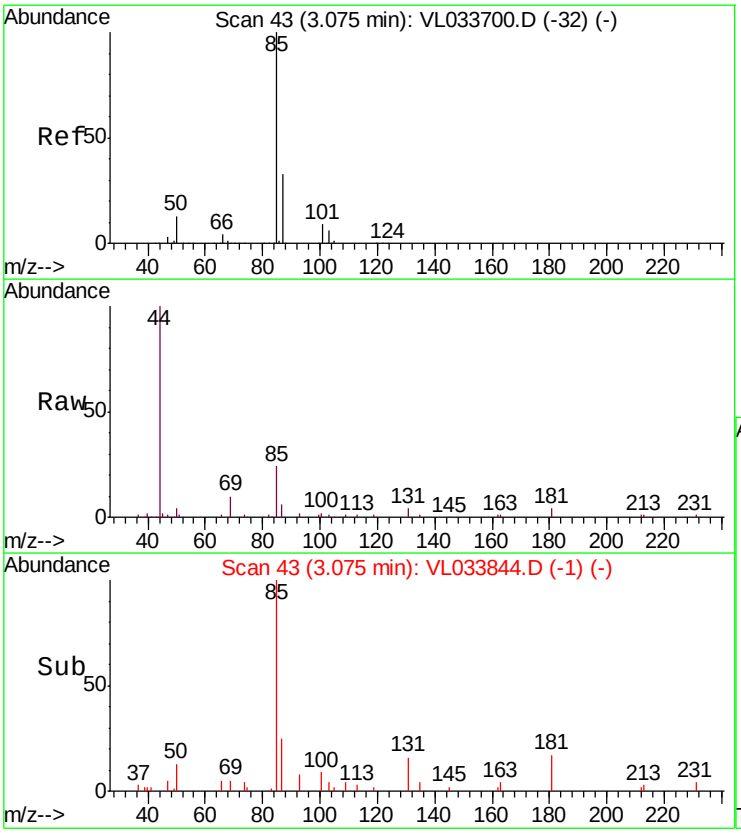
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion: 49 Resp: 713467

Ion	Ratio	Lower	Upper
49	100		
128	49.2	25.2	75.6
130	64.1	32.5	97.5

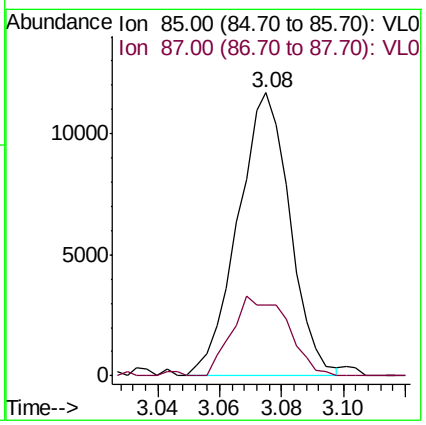


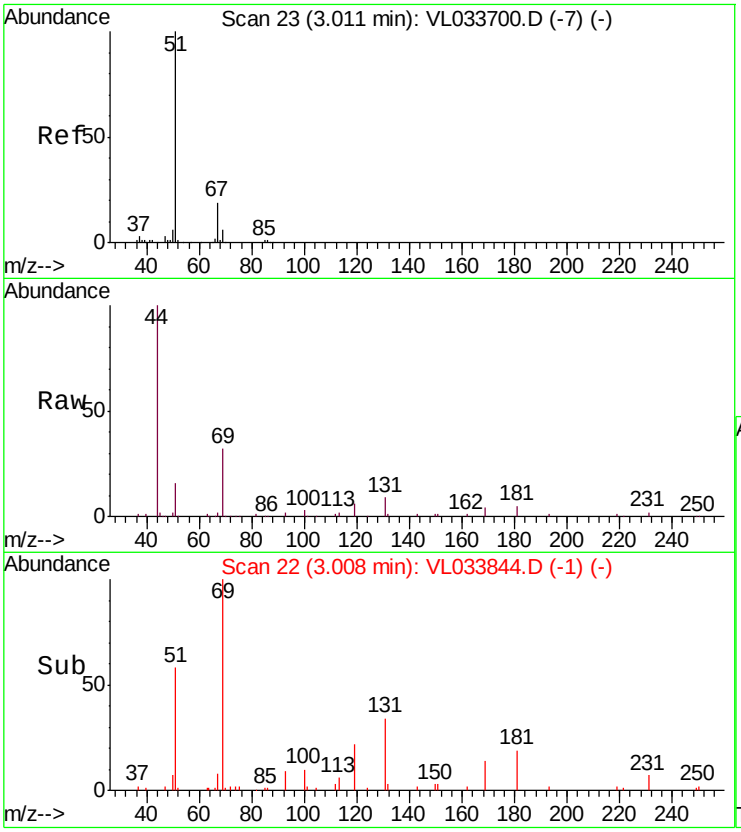


#2
Dichlorodifluoromethane
Concen: 0.091 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 85 Resp: 13656

Ion	Ratio	Lower	Upper
85	100		
87	25.2	26.3	39.5#



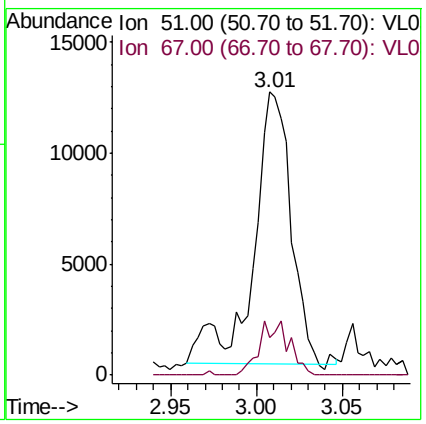


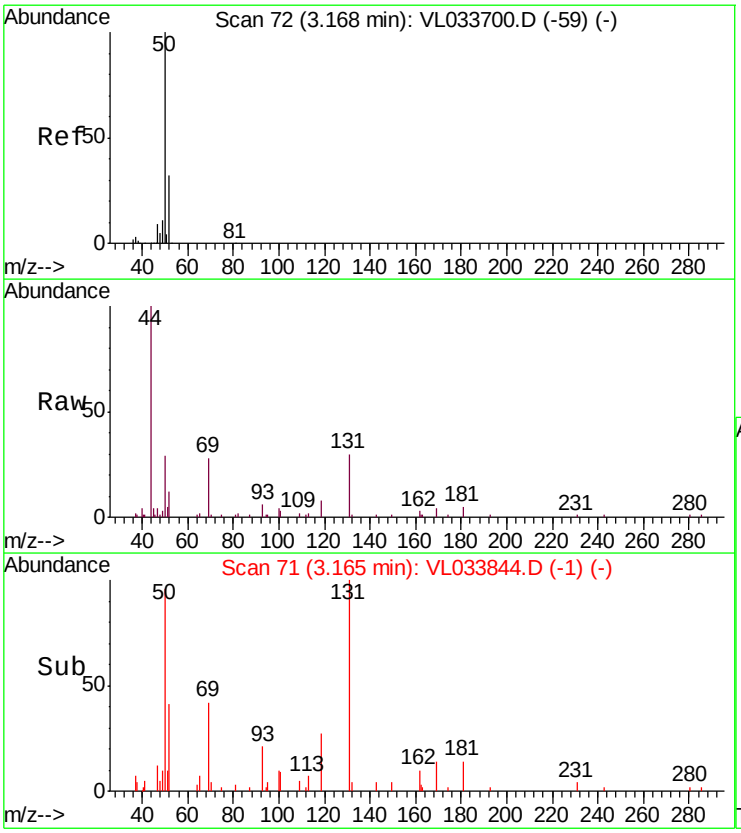
#3
Chlorodifluoromethane
Concen: 0.228 ppbv
RT: 3.01 min Scan# 22
Delta R.T. -0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion: 51 Resp: 18608

Ion	Ratio	Lower	Upper
51	100		
67	15.3	15.6	23.4#

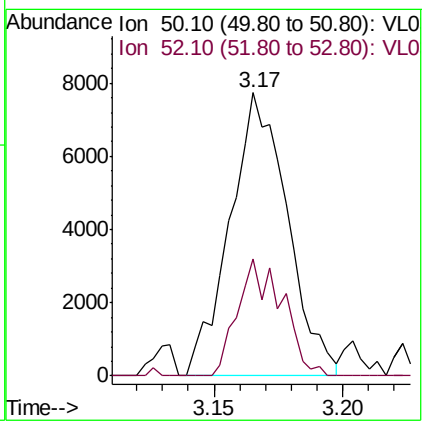


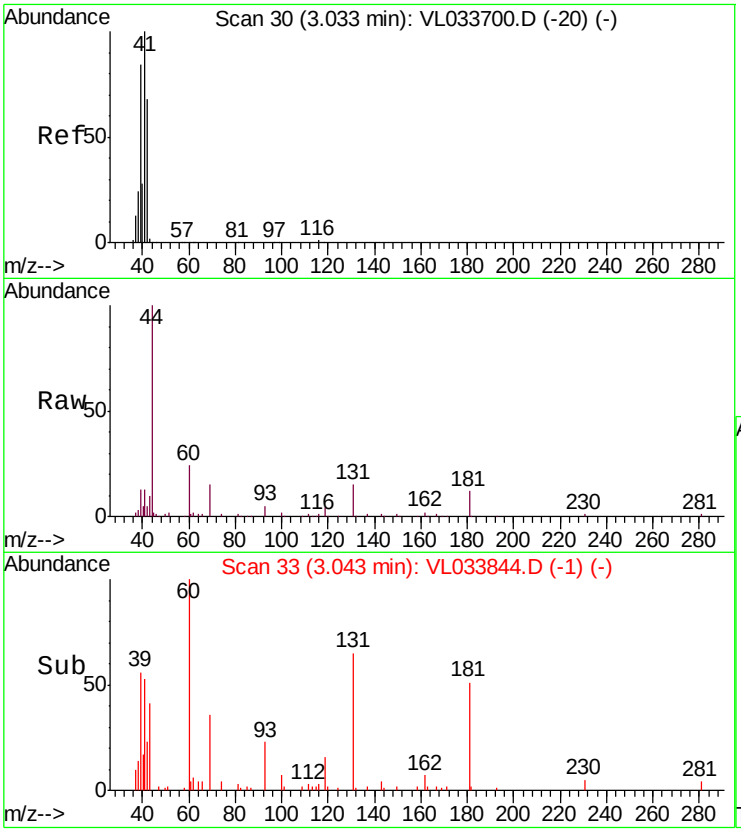


#4
Chloromethane
Concen: 0.258 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 50 Resp: 12047

Ion	Ratio	Lower	Upper
50	100		
52	41.4	25.7	38.5#



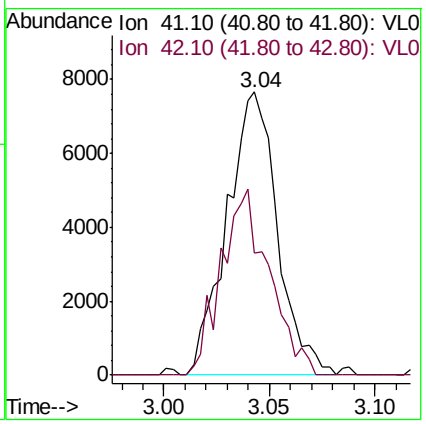


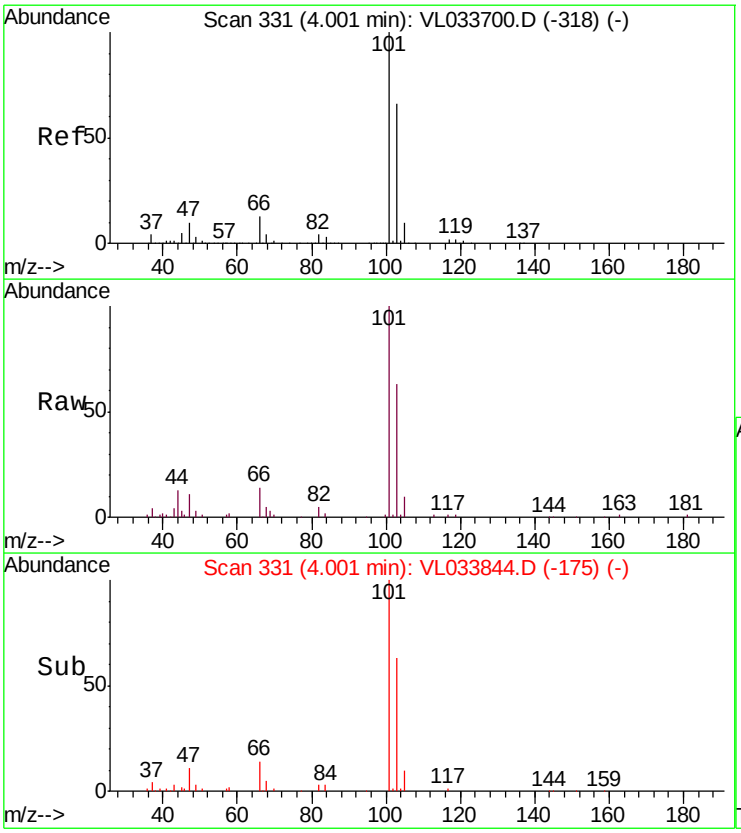
#9
Propene
Concen: 0.368 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion: 41 Resp: 12808

Ion	Ratio	Lower	Upper
41	100		
42	62.3	56.1	84.1

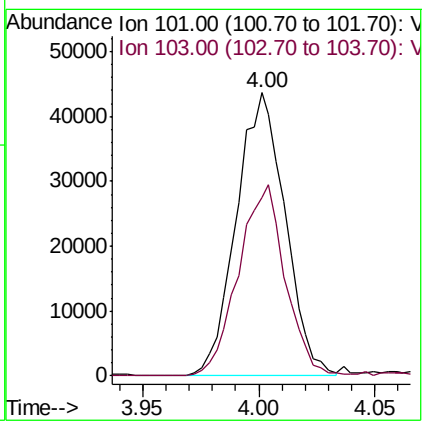


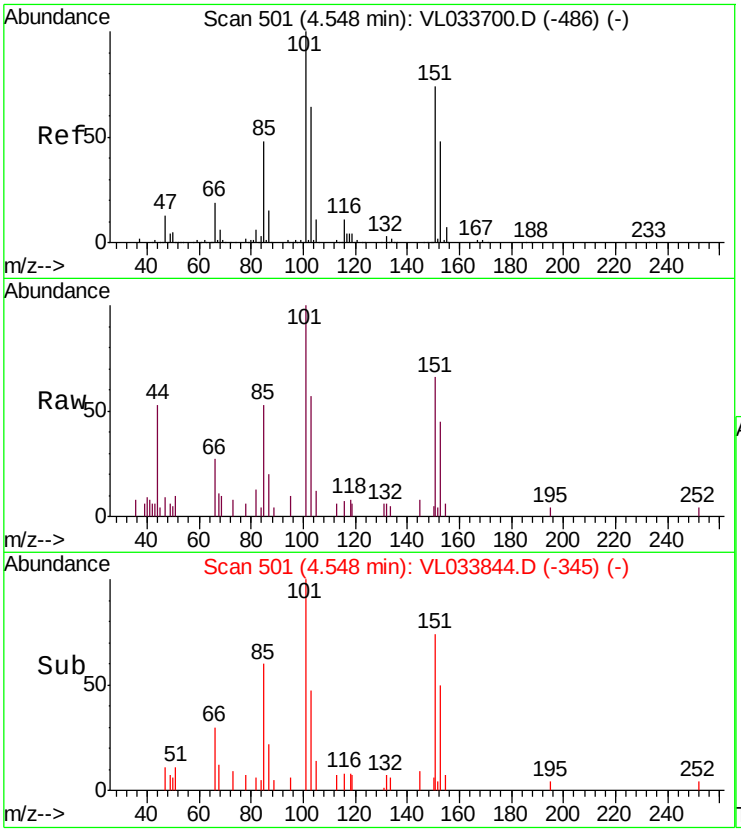


#11
Trichlorofluoromethane
Concen: 0.445 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion:101 Resp: 63893

Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.6	78.8



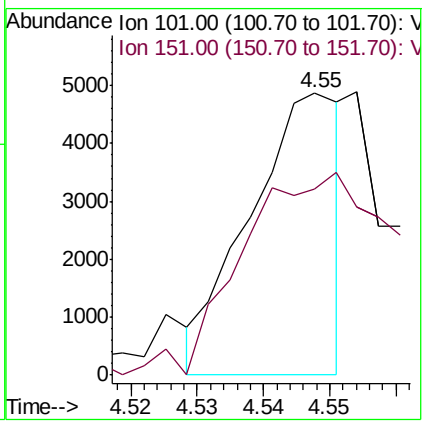


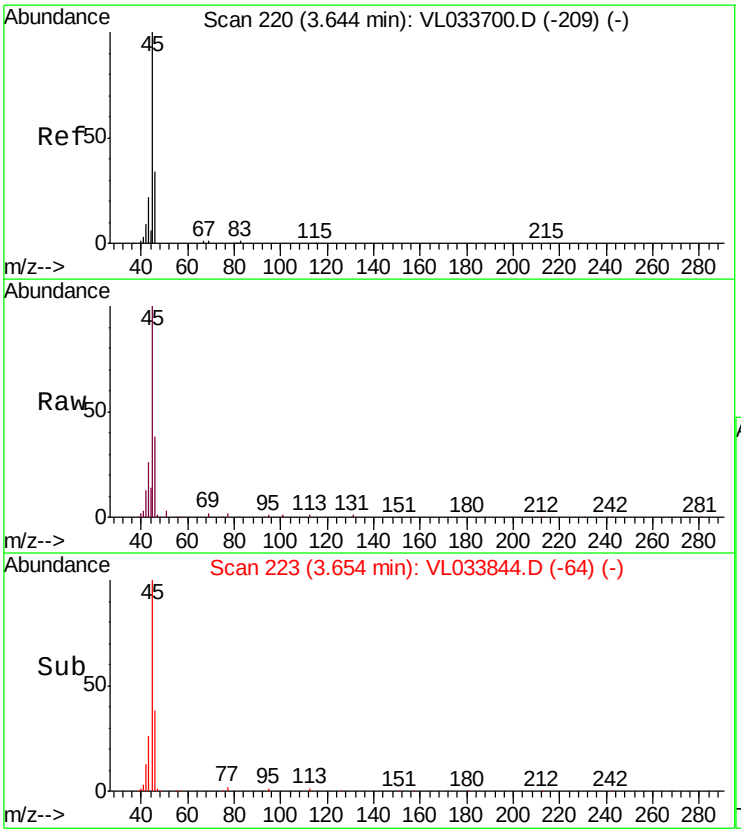
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.046 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion:101 Resp: 4623

Ion	Ratio	Lower	Upper
101	100		
151	139.2	58.2	87.4#

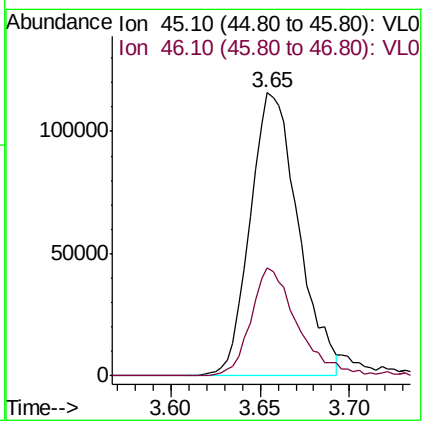


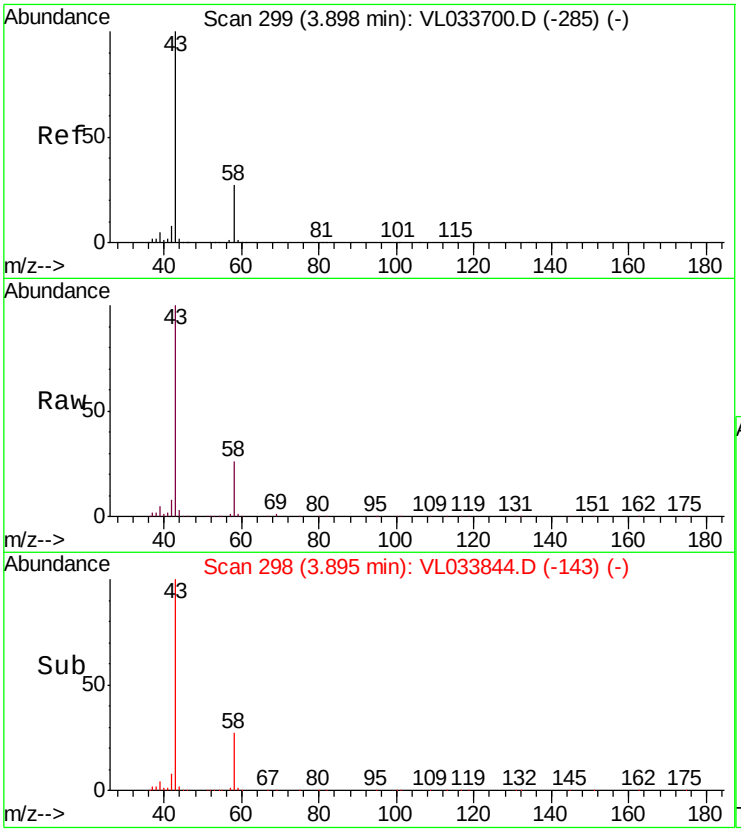


#13
Ethanol
Concen: 19.418 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 45 Resp: 218169

Ion	Ratio	Lower	Upper
45	100		
46	37.6	14.8	59.0



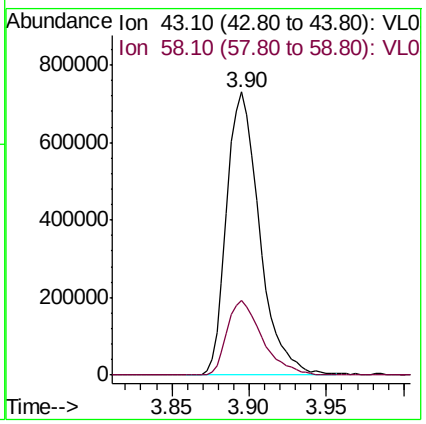


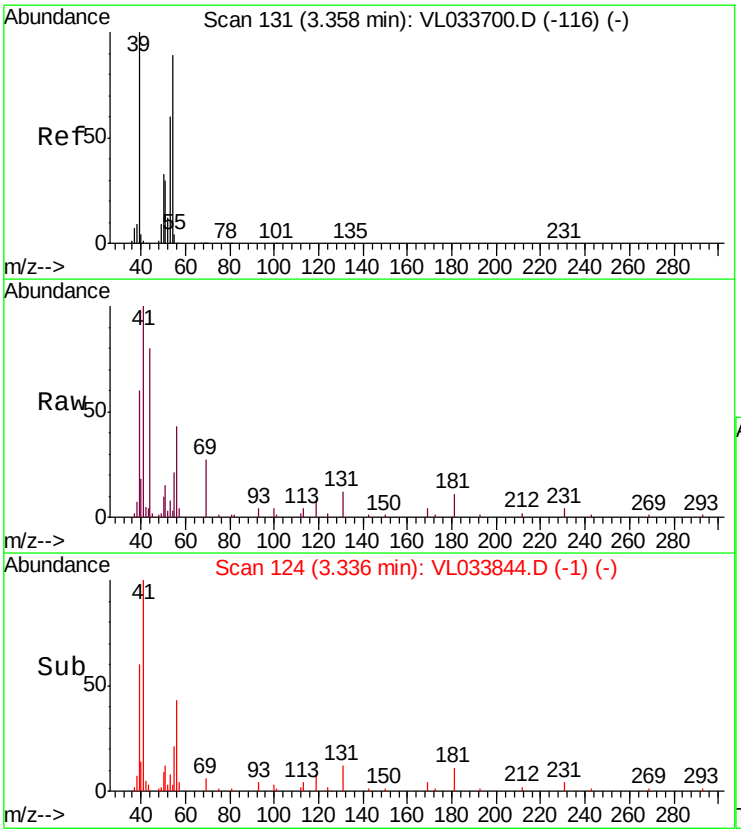
#15
Acetone
Concen: 10.894 ppbv
RT: 3.90 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion: 43 Resp: 1078433

Ion	Ratio	Lower	Upper
43	100		
58	28.3	21.3	31.9

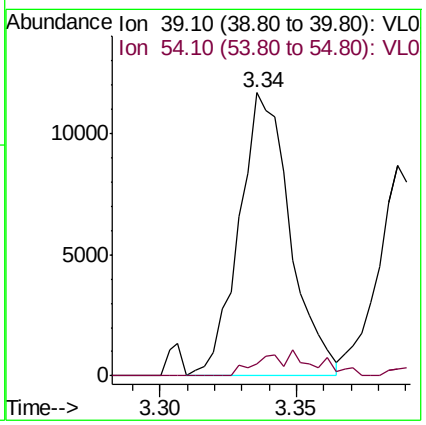


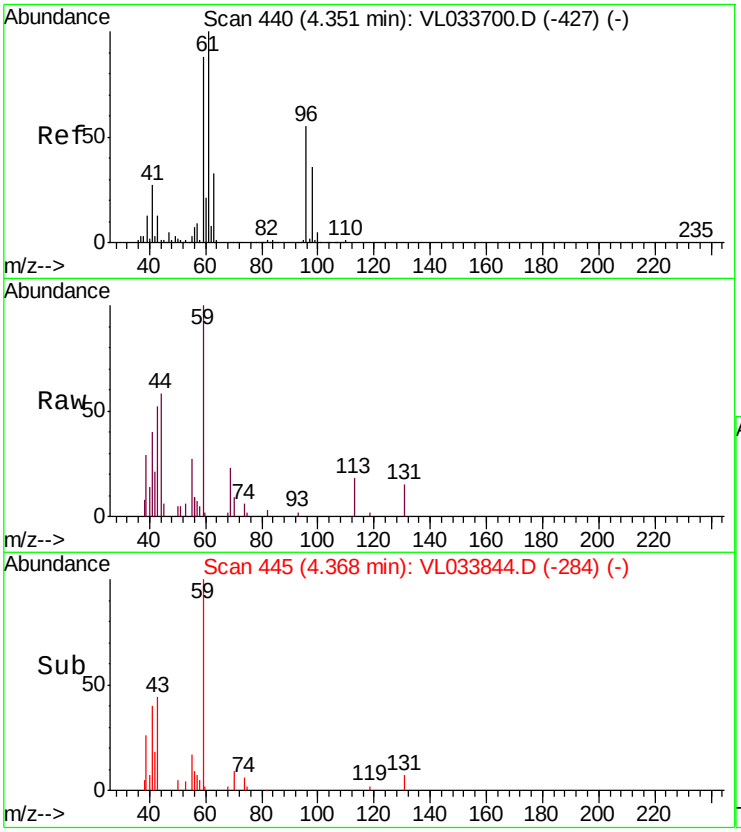


#16
1,3-Butadiene
Concen: 0.384 ppbv
RT: 3.34 min Scan# 124
Delta R.T. -0.02 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 39 Resp: 15132

Ion	Ratio	Lower	Upper
39	100		
54	9.4	69.0	103.6#



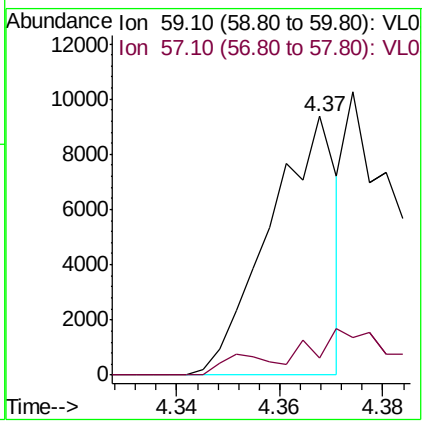


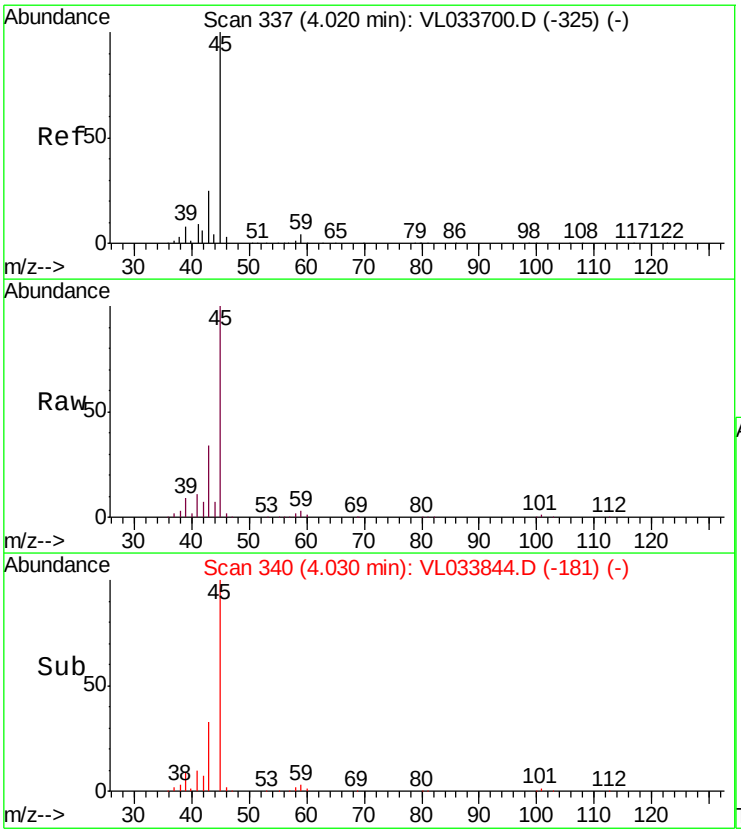
#17
tert-Butyl alcohol
Concen: 0.106 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.02 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion: 59 Resp: 8500

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

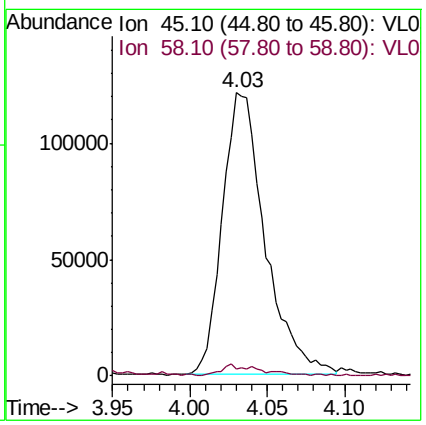


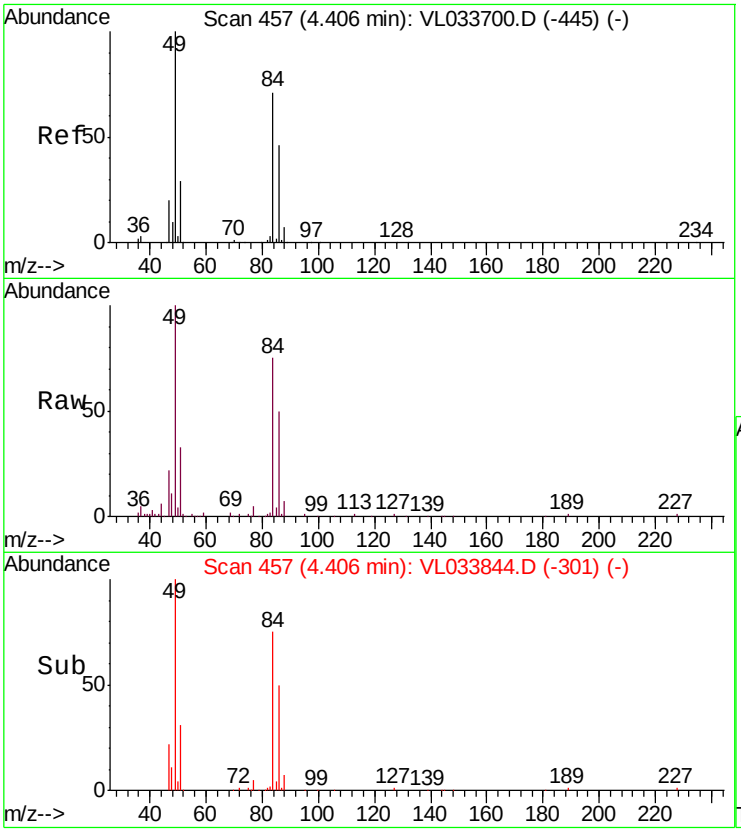


#19
Isopropyl Alcohol
Concen: 3.605 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 45 Resp: 230081

Ion	Ratio	Lower	Upper
45	100		
58	4.3	1.6	2.4#



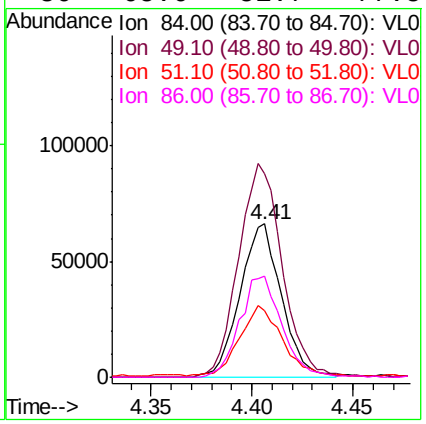


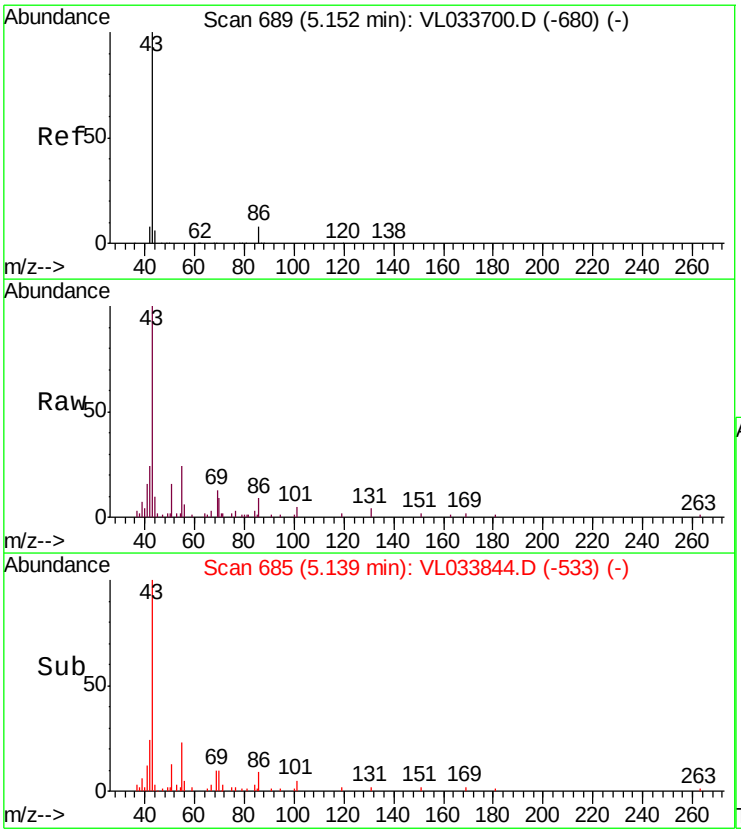
#20
Methylene Chloride
Concen: 2.502 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument : MSVOA_L
ClientSampleId : SG-25-20190522-0

Tgt Ion: 84 Resp: 95348

Ion	Ratio	Lower	Upper
84	100		
49	132.6	112.8	169.2
51	42.8	33.4	50.0
86	65.6	51.7	77.5

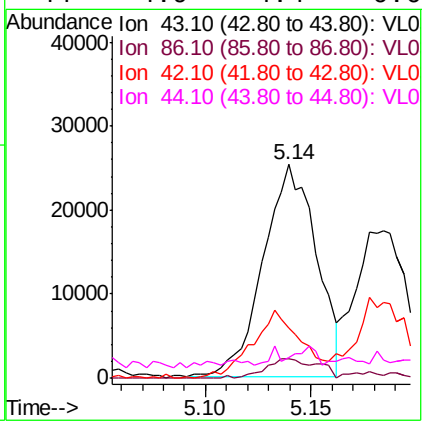


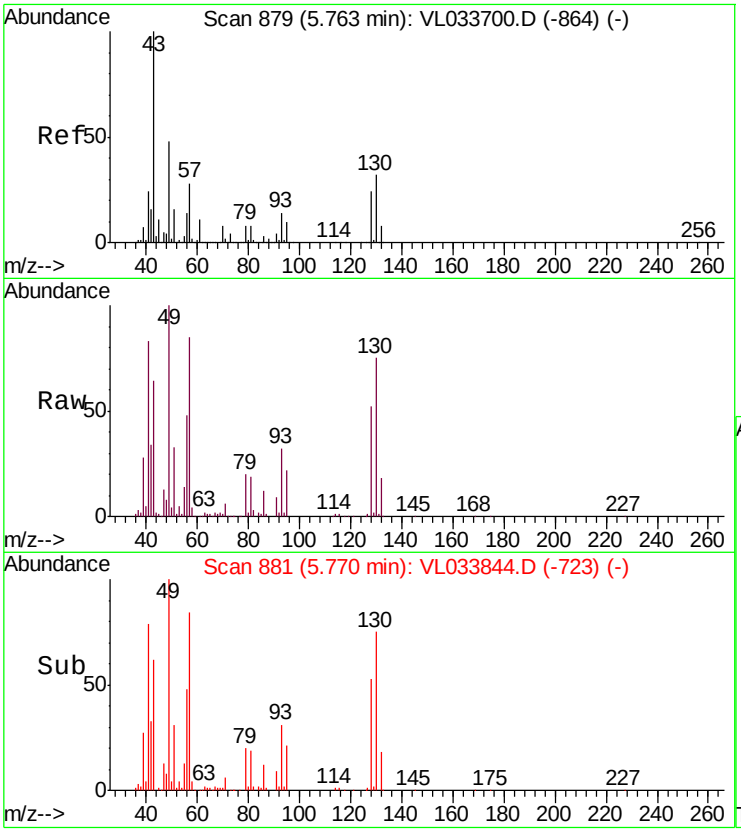


#23
Vinyl Acetate
Concen: 0.338 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 43 Resp: 44092

Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.0	9.0#
42	22.9	7.5	11.3#
44	4.9	4.4	6.6



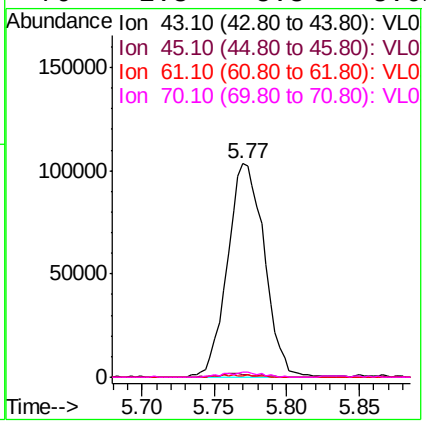


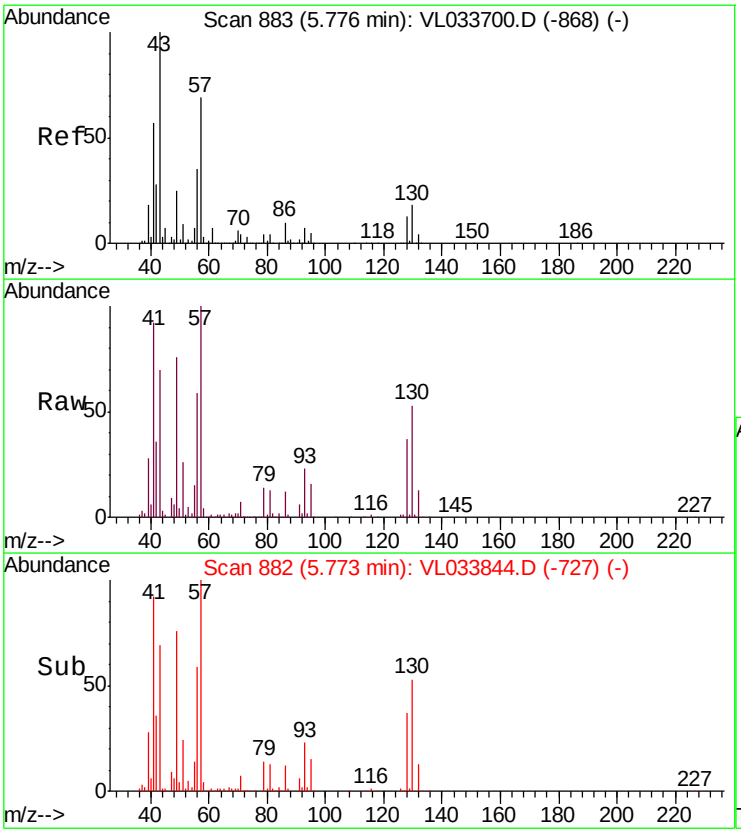
#25
Ethyl Acetate
Concen: 1.050 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion: 43 Resp: 182652

Ion	Ratio	Lower	Upper
43	100		
45	1.7	7.9	11.9#
61	1.1	7.7	11.5#
70	2.3	5.8	8.6#

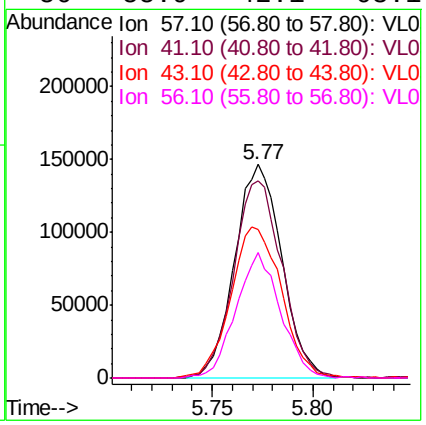


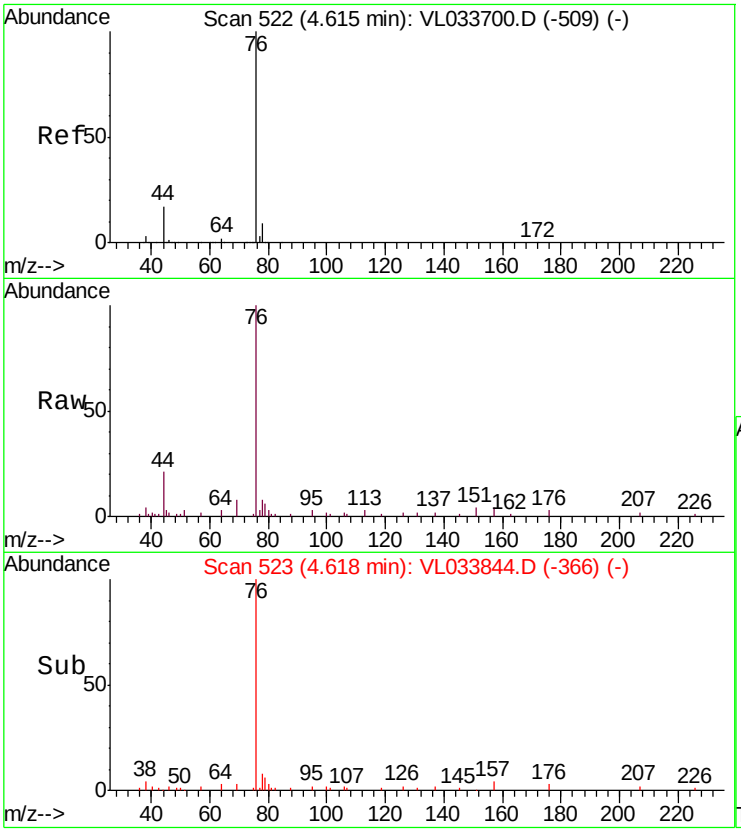


#26
Hexane
Concen: 3.195 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 57 Resp: 238826

Ion	Ratio	Lower	Upper
57	100		
41	95.4	69.8	104.6
43	76.5	181.8	272.6#
56	55.9	42.1	63.1



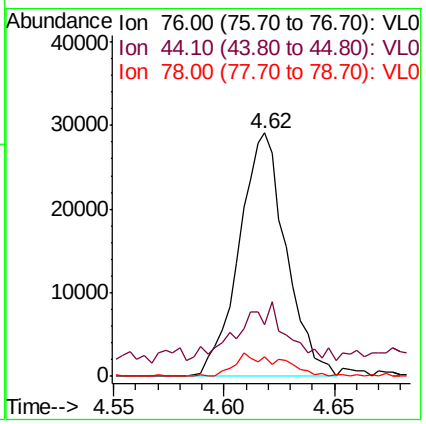


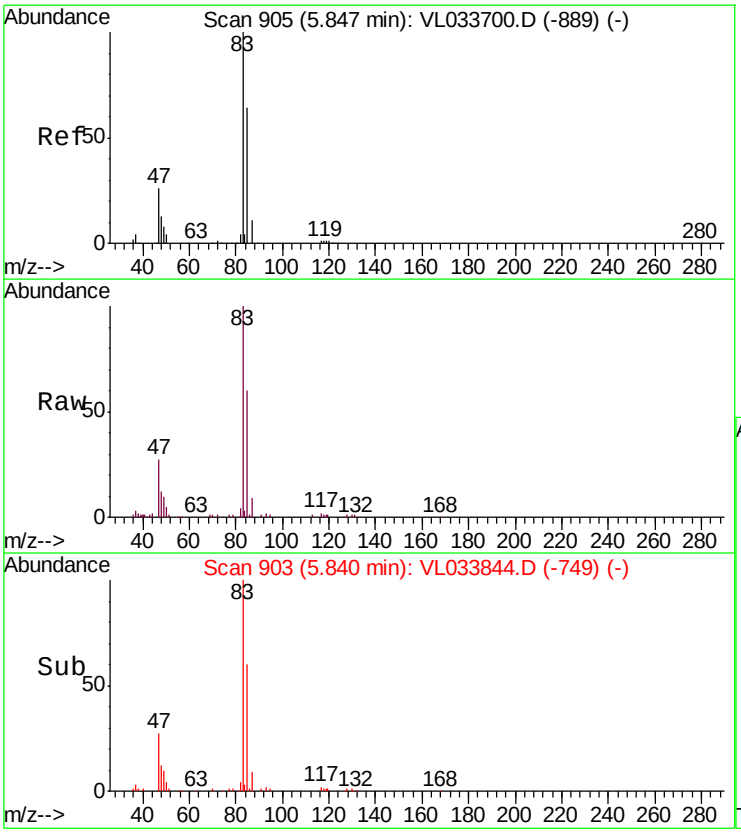
#27
Carbon Disulfide
Concen: 0.421 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion: 76 Resp: 43148

Ion	Ratio	Lower	Upper
76	100		
44	31.2	13.8	20.8#
78	10.1	7.4	11.0

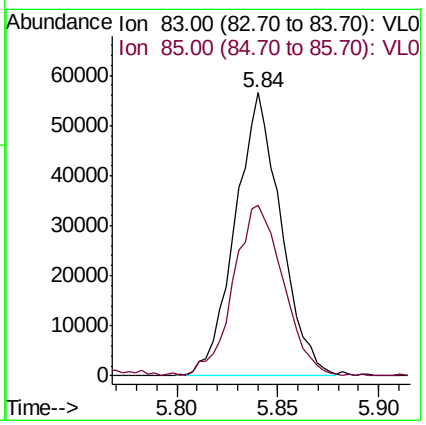


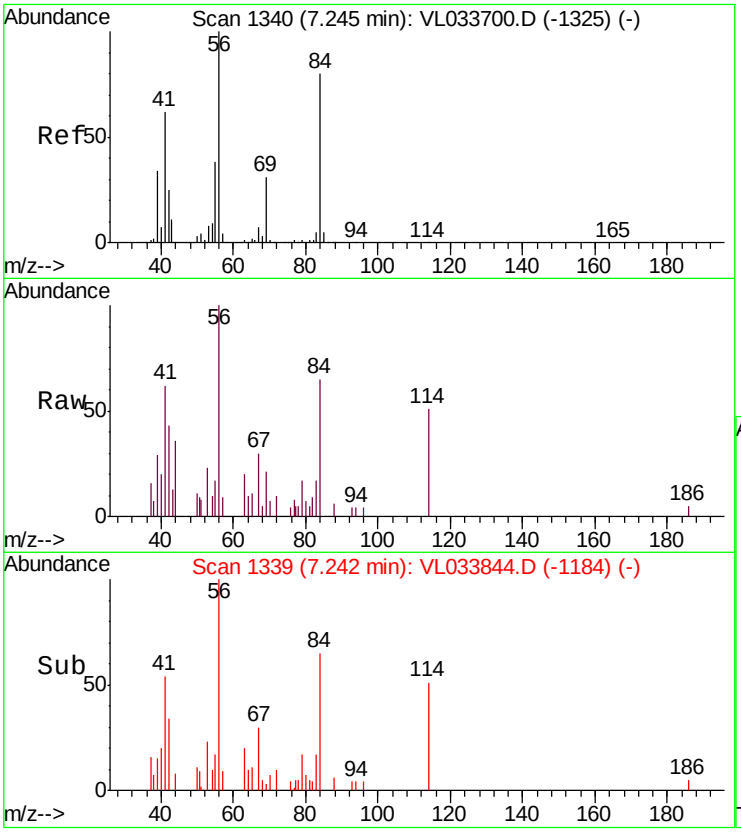


#29
Chloroform
Concen: 0.651 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 83 Resp: 89670

Ion	Ratio	Lower	Upper
83	100		
85	59.8	51.5	77.3



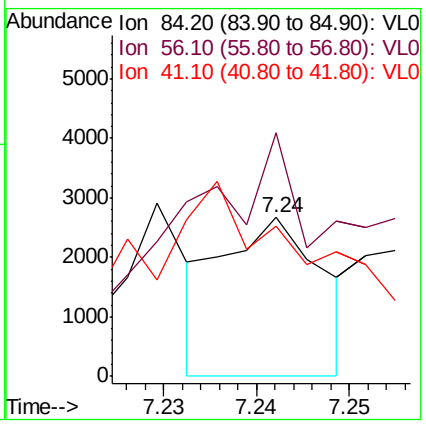


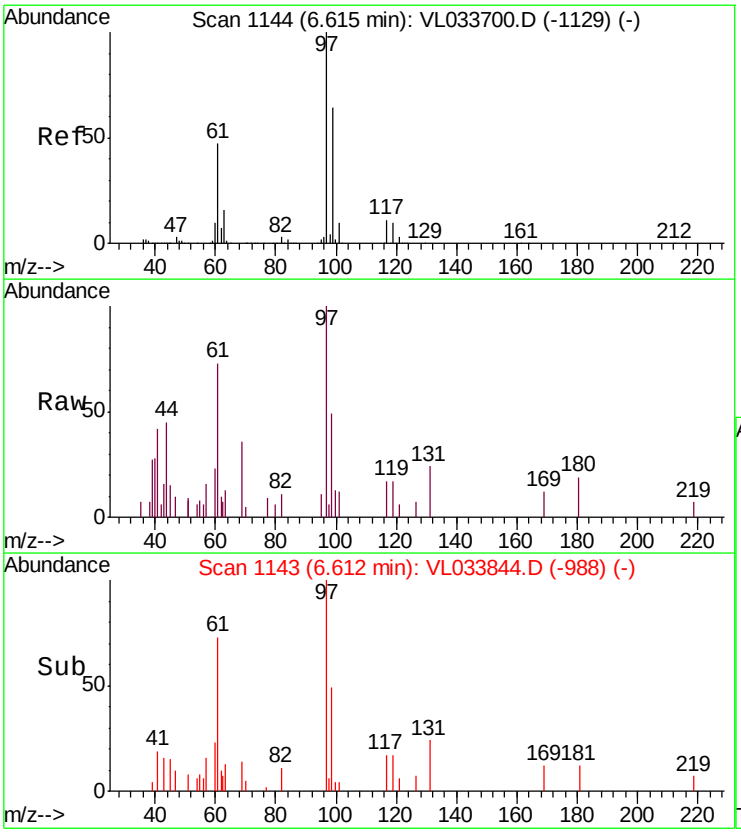
#30
Cyclohexane
Concen: 0.032 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion: 84 Resp: 2014

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	359.2	66.0	99.0#

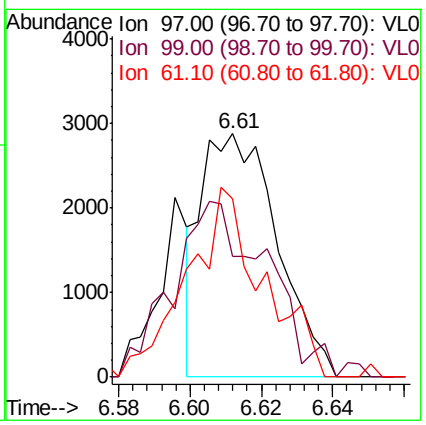


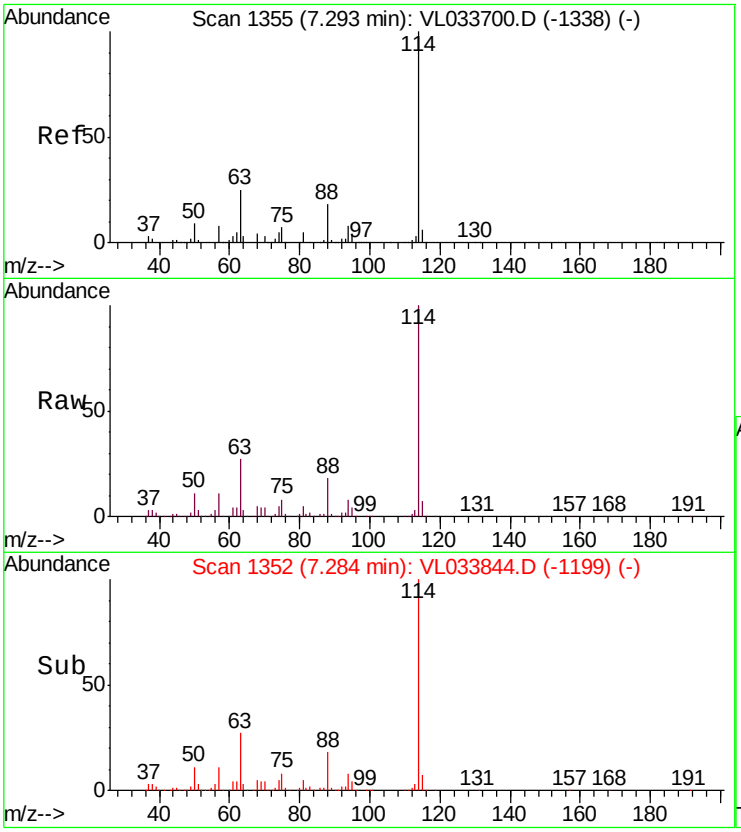


#32
1,1,1-Trichloroethane
Concen: 0.031 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 97 Resp: 4227

Ion	Ratio	Lower	Upper
97	100		
99	91.4	51.5	77.3#
61	78.4	37.8	56.8#



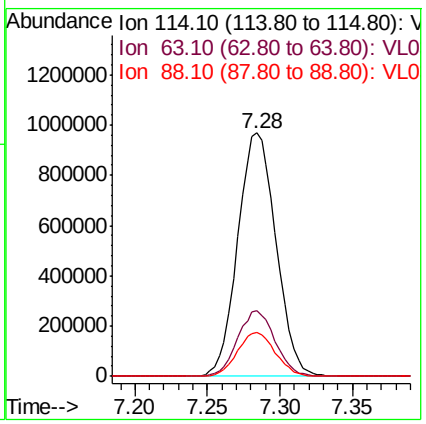


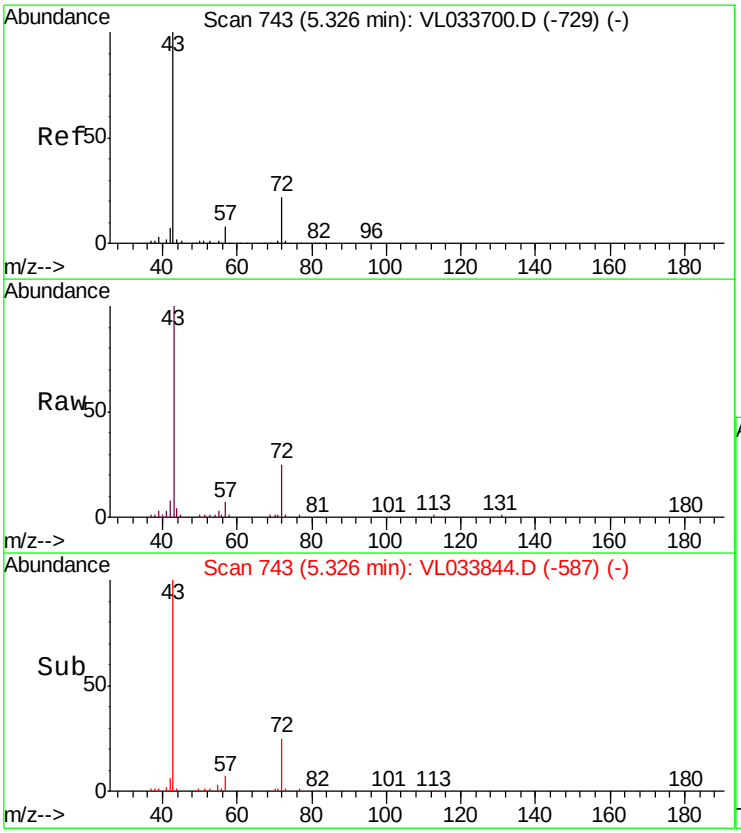
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion:114 Resp: 1778093

Ion	Ratio	Lower	Upper
114	100		
63	26.5	20.9	31.3
88	18.0	14.3	21.5

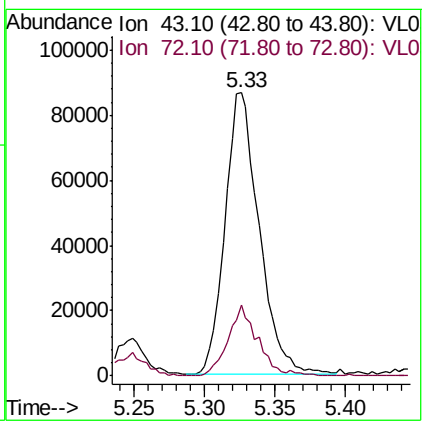


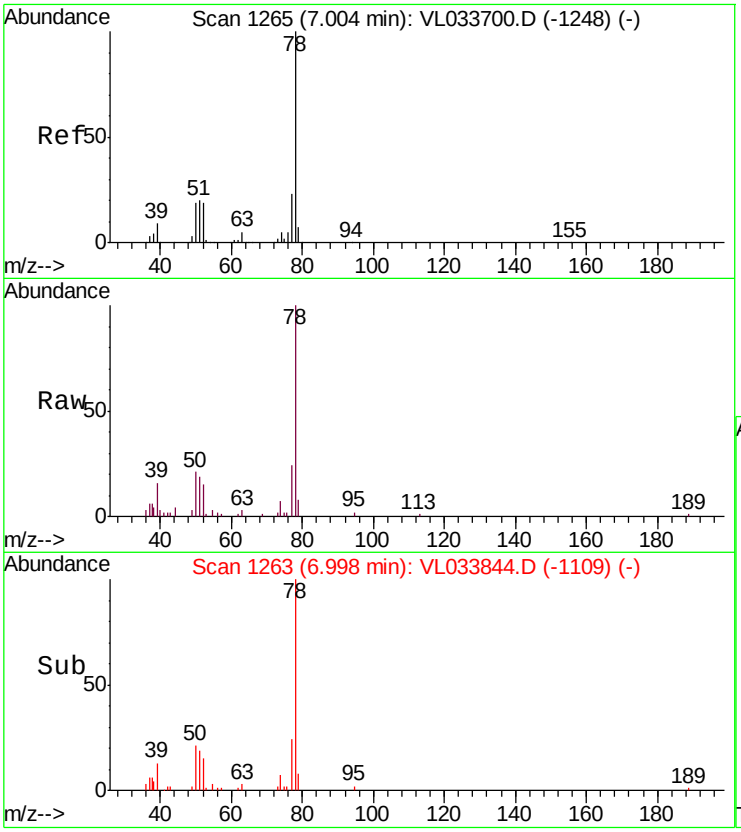


#34
2-Butanone
Concen: 1.333 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 43 Resp: 146927

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.8	26.6



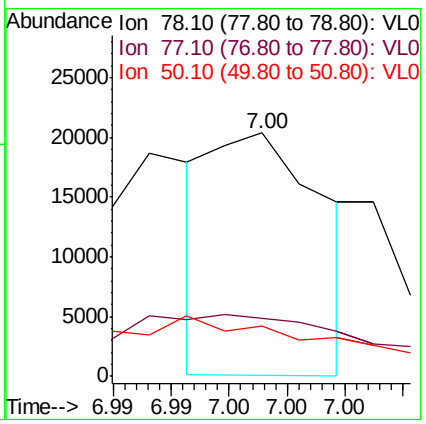


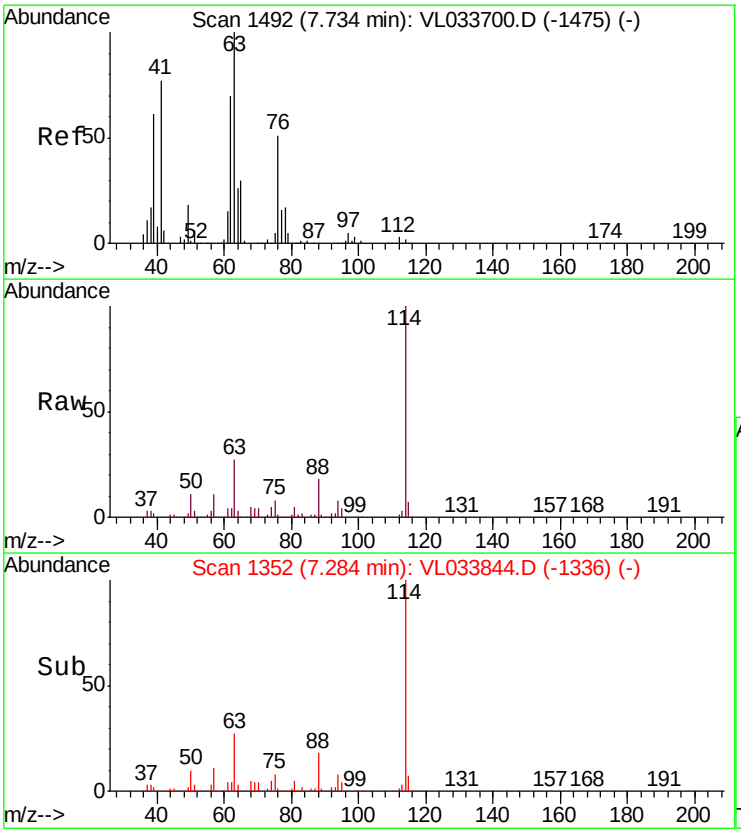
#36
Benzene
Concen: 0.084 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion: 78 Resp: 13515

Ion	Ratio	Lower	Upper
78	100		
77	18.5	18.4	27.6
50	16.4	15.5	23.3

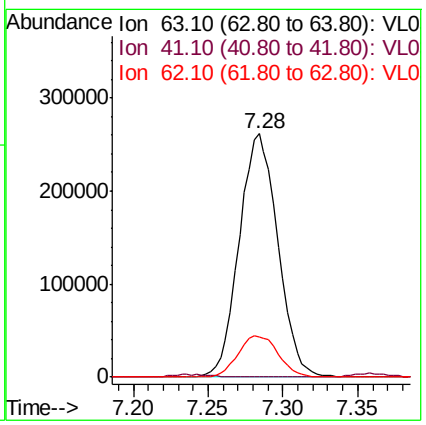


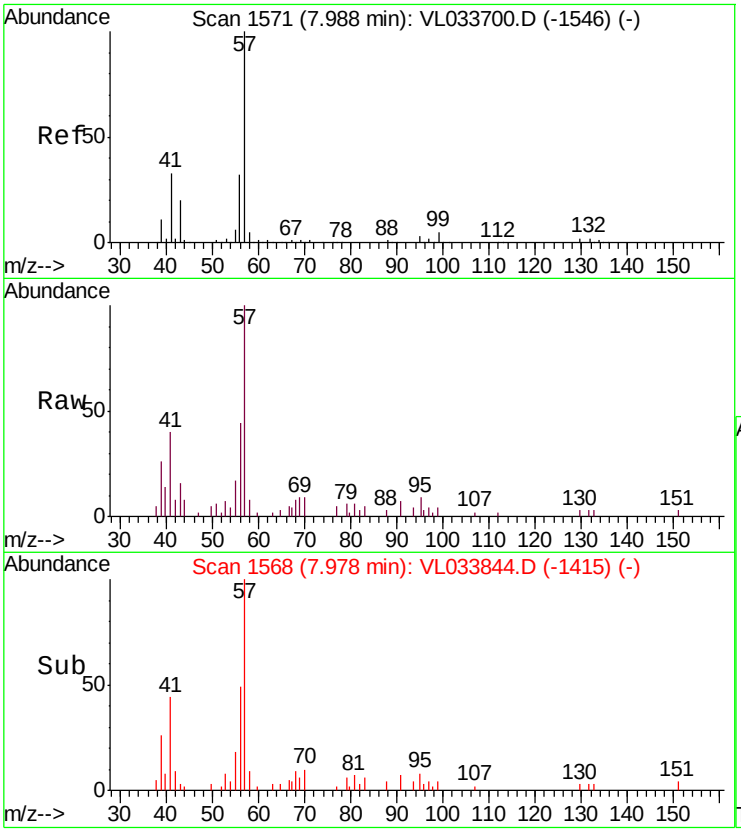


#39
1,2-Dichloropropane
Concen: 7.793 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.45 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 63 Resp: 469942

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	16.2	56.2	84.4#



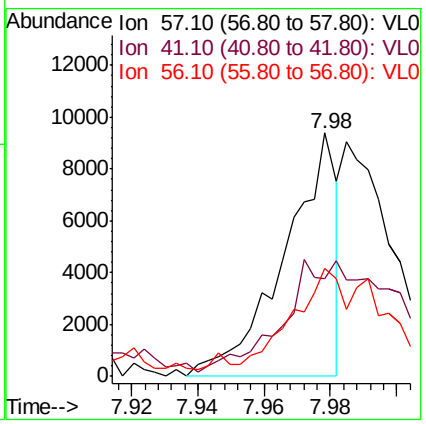


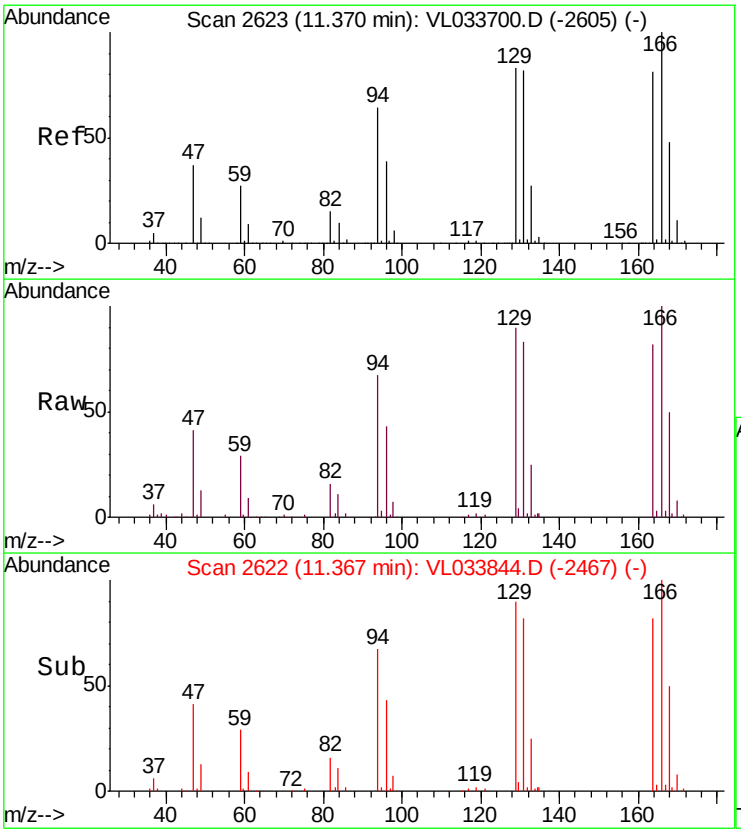
#44
2,2,4-Trimethylpentane
Concen: 0.038 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion: 57 Resp: 10271

Ion	Ratio	Lower	Upper
57	100		
41	122.1	25.4	38.0#
56	90.2	24.7	37.1#

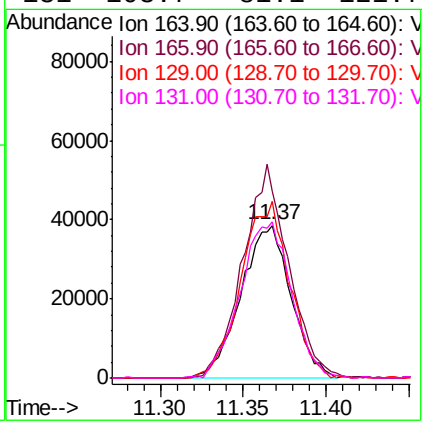


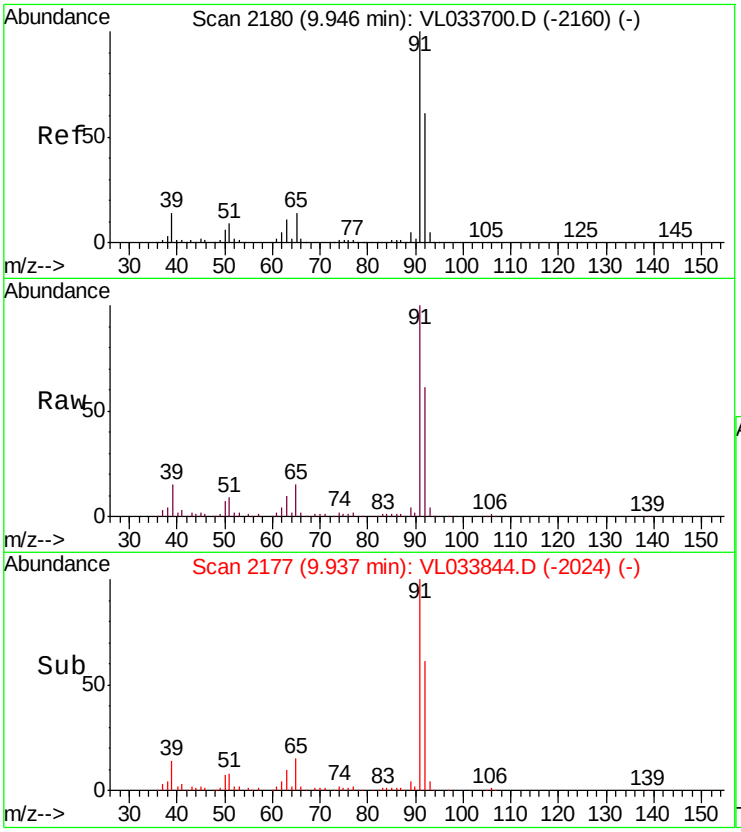


#52
Tetrachloroethene
Concen: 1.422 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion:164 Resp: 80867

Ion	Ratio	Lower	Upper
164	100		
166	122.6	98.9	148.3
129	115.7	81.8	122.6
131	103.7	81.1	121.7



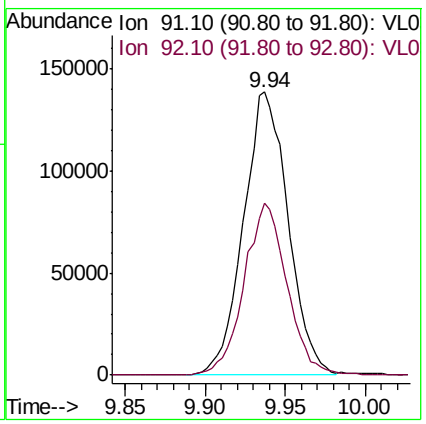


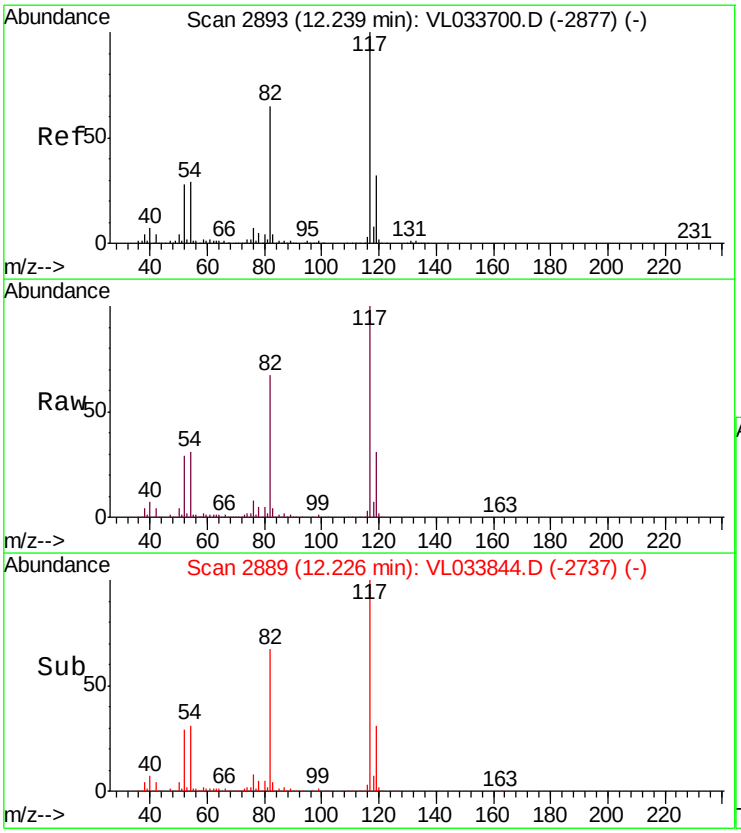
#53
Toluene
Concen: 1.519 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument : MSVOA_L
ClientSampleId : SG-25-20190522-0

Tgt Ion: 91 Resp: 264966

Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.6	71.4

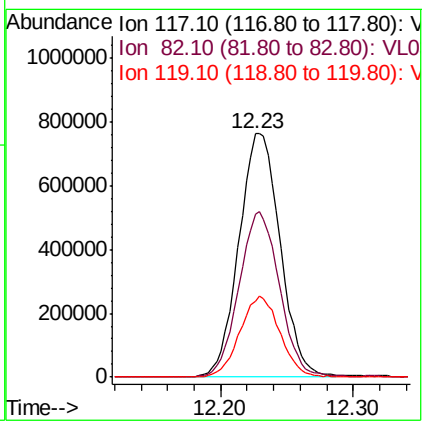


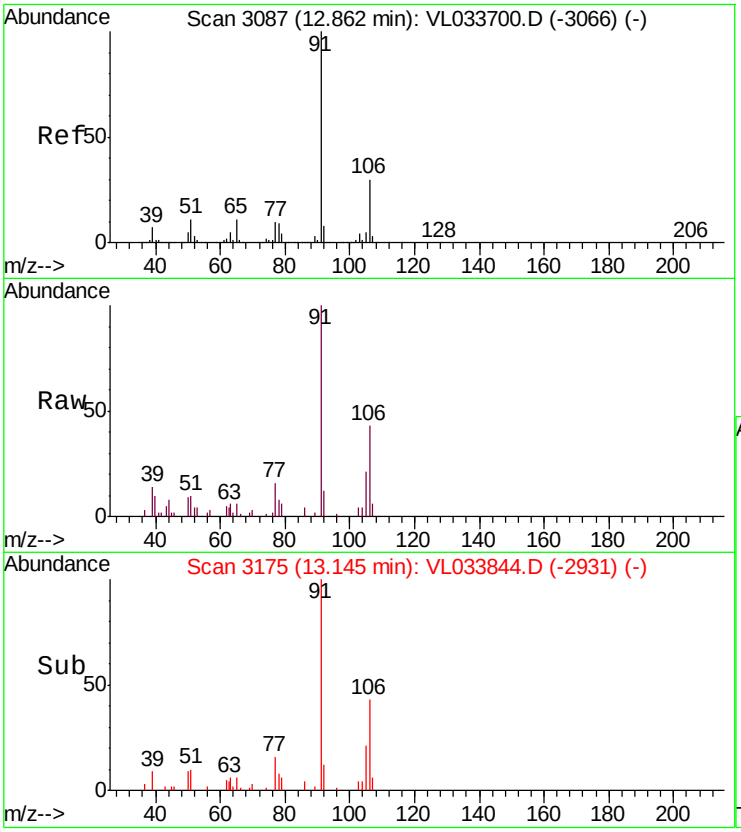


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion:117 Resp: 1651224

Ion	Ratio	Lower	Upper
117	100		
82	67.1	49.4	74.0
119	32.4	24.9	37.3



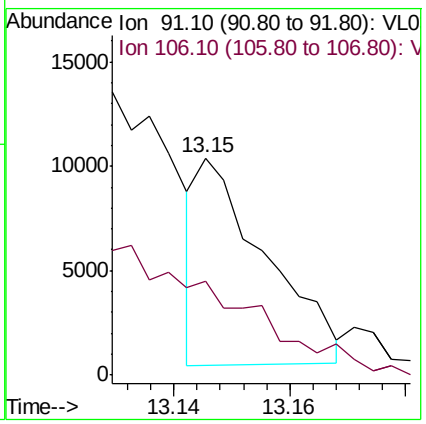


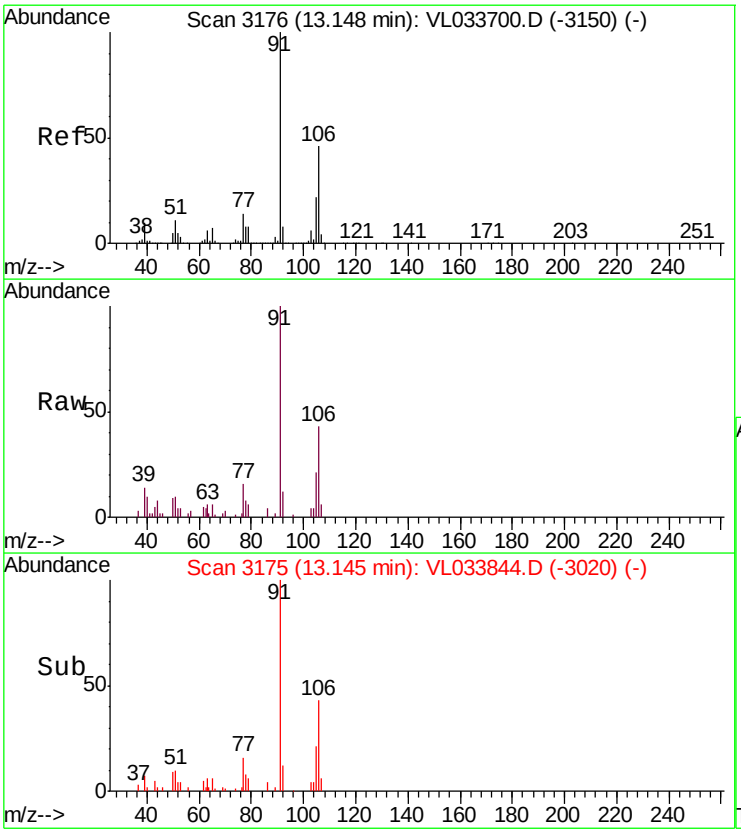
#58
Ethyl Benzene
Concen: 0.037 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. 0.28 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion: 91 Resp: 8104

Ion	Ratio	Lower	Upper
91	100		
106	34.7	23.9	35.9

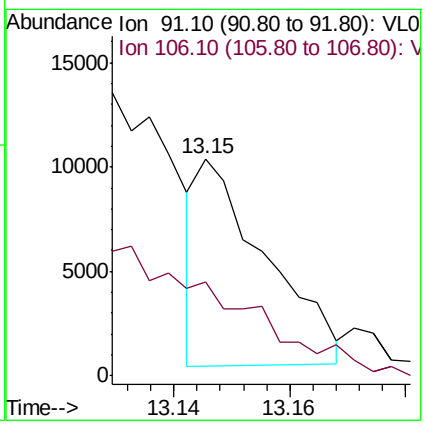


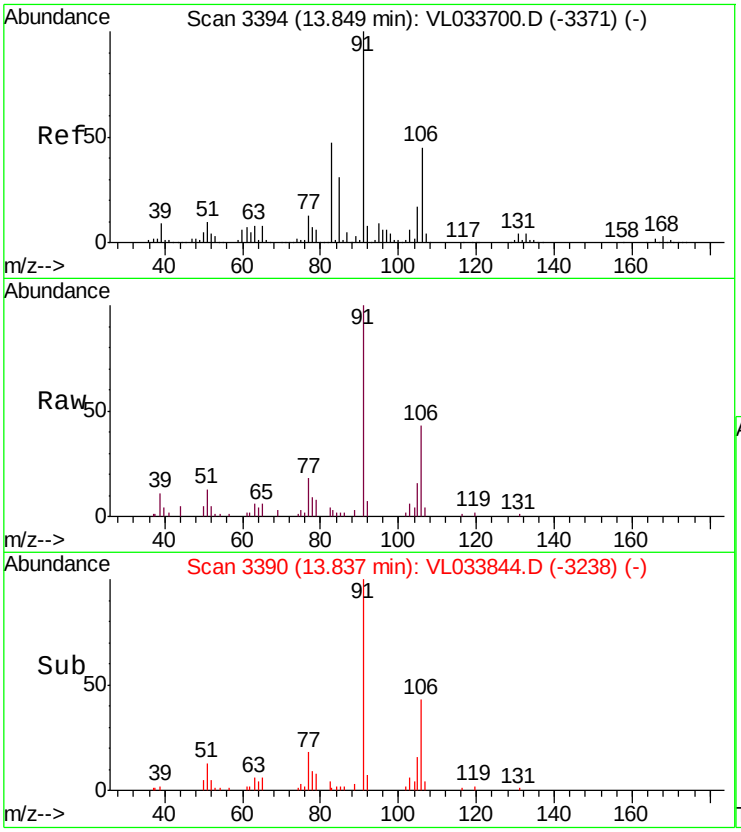


#59
m/p-Xylene
Concen: 0.042 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 91 Resp: 8104

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.6#



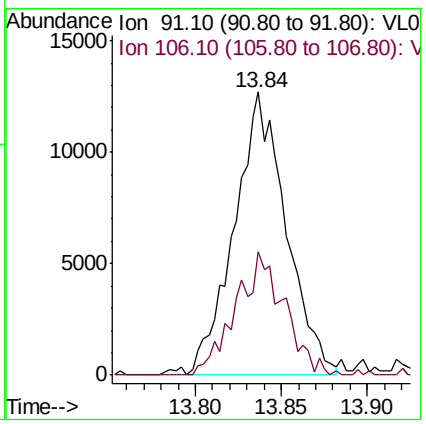


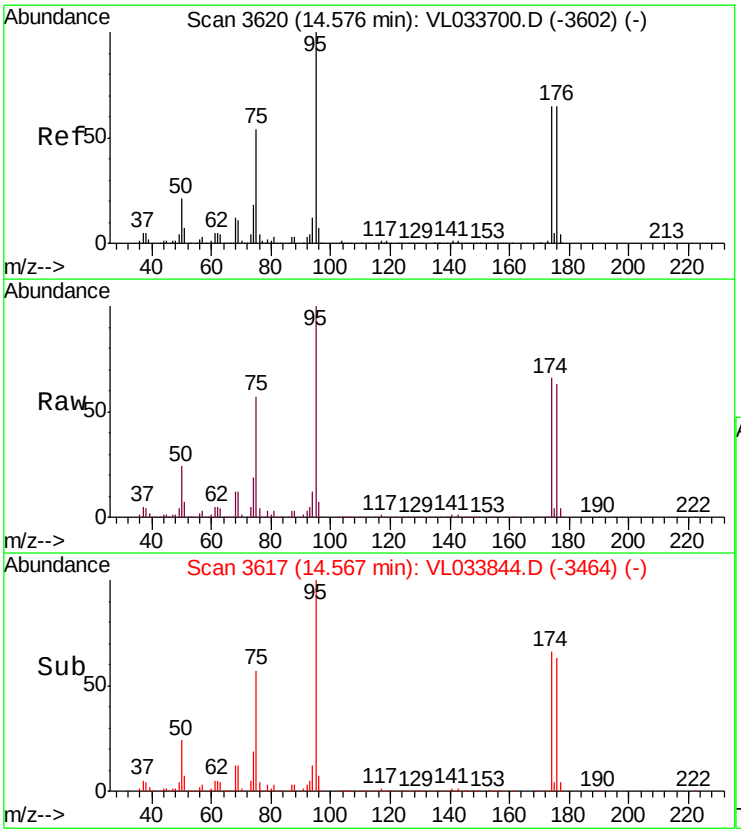
#60
o-Xylene
Concen: 0.138 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion: 91 Resp: 26601

Ion	Ratio	Lower	Upper
91	100		
106	41.0	21.6	64.8

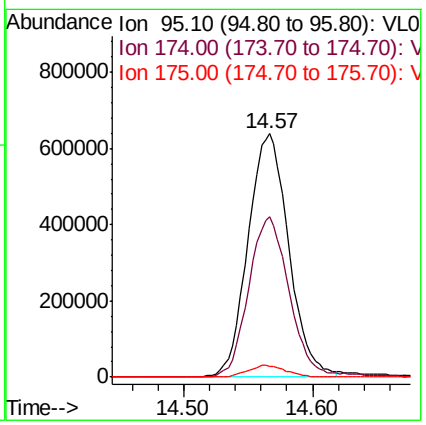


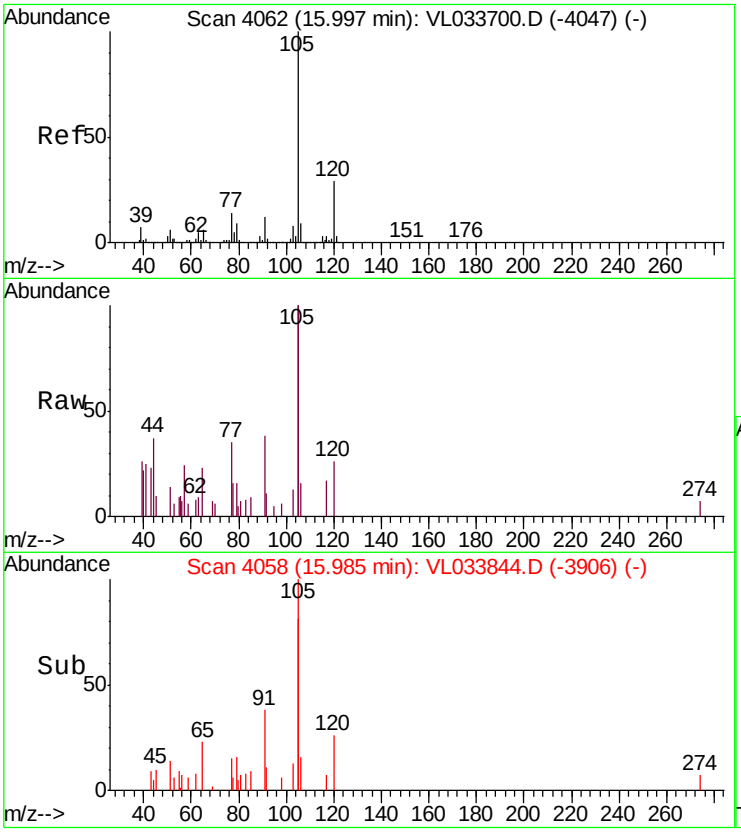


#68
1-Bromo-4-Fluorobenzene
Concen: 10.495 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion: 95 Resp: 1404883

Ion	Ratio	Lower	Upper
95	100		
174	67.0	53.9	80.9
175	4.8	3.8	5.8



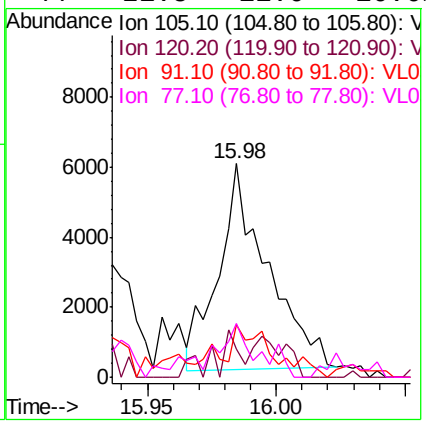


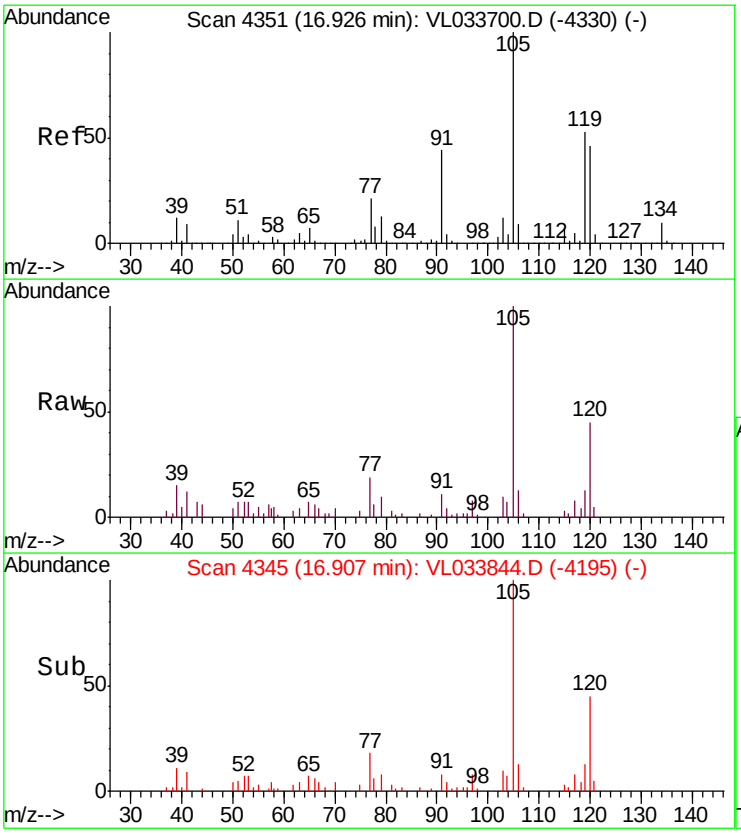
#72
4-Ethyltoluene
Concen: 0.035 ppbv
RT: 15.98 min Scan# 4058
Delta R.T. -0.01 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion:105 Resp: 7693

Ion	Ratio	Lower	Upper
105	100		
120	24.7	23.1	34.7
91	36.3	10.4	15.6#
77	21.5	11.0	16.6#

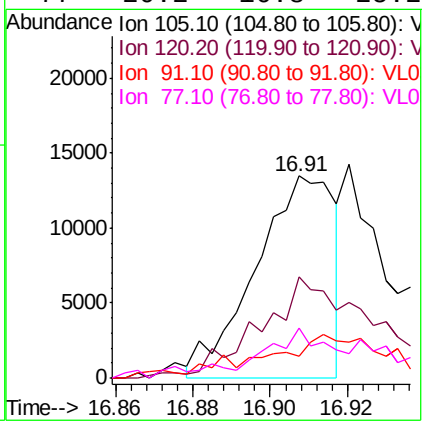


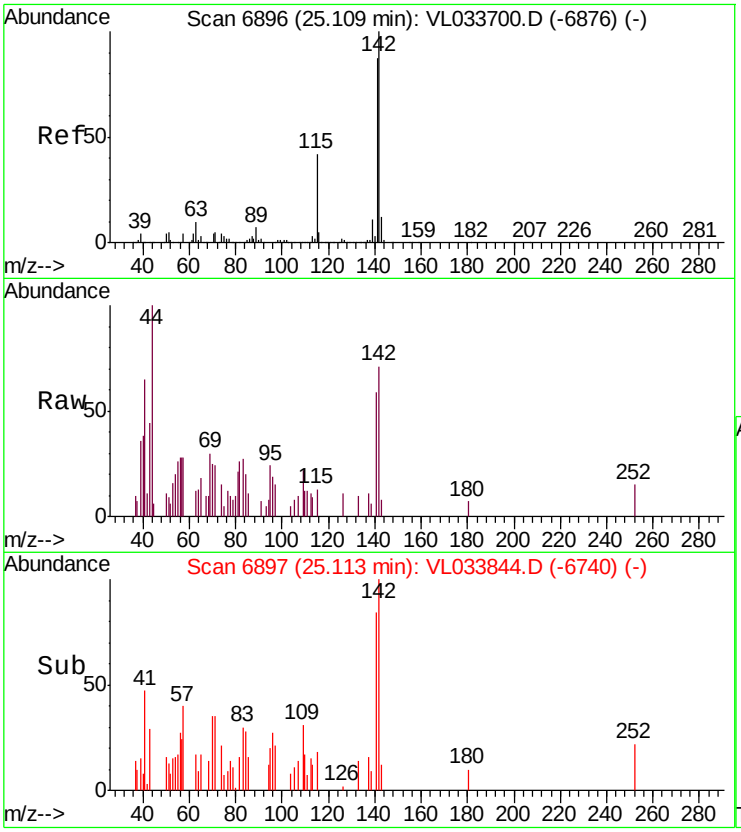


#74
1,2,4-Trimethylbenzene
Concen: 0.082 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.02 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Tgt Ion:105 Resp: 19143

Ion	Ratio	Lower	Upper
105	100		
120	50.9	36.8	55.2
91	9.3	35.4	53.0#
77	20.2	16.8	25.2





#80
Naphthalene,2-methyl-
Concen: 0.053 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL033844.D
Acq: 29 May 2019 20:48

Instrument :
MSVOA_L
ClientSampleId :
SG-25-20190522-0

Tgt Ion:142 Resp: 4417

Ion	Ratio	Lower	Upper
142	100		
141	90.5	67.2	100.8
115	48.7	34.1	51.1