Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062619\

Quantitation Report (Not Reviewed)

Data File : VL033976.D
Acq On : 26 Jun 2019 20:38
Operator : SY/AP
Sample : K3481-01DL2 80X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : TZC-SSDS-AREA-A-1DL2

Quant Time: Jun 27 01:24:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	792837	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.26	114	1887000	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	1917050	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.54	95	1706010	10.83	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.30%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	3.00	51	4086	0.044	ppbv	95
9) Propene	3.02	41	1087	0.031	ppbv #	35
10) Heptane	8.22	43	12146	0.138	ppbv #	26
13) Ethanol	3.63	45	6938	0.611	ppbv #	37
15) Acetone	3.88	43	1961784	16.966	ppbv	100
16) 1,3-Butadiene	3.33	39	36919	0.839	ppbv #	12
17) tert-Butyl alcohol	4.34	59	195949	2.168	ppbv	97
19) Isopropyl Alcohol	4.01	45	4071	0.062	ppbv #	94
20) Methylene Chloride	4.39	84	6202	0.138	ppbv #	68
21) Allyl Chloride	4.34	41	71982	1.096	ppbv #	64
26) Hexane	5.75	57	3417	0.043	ppbv #	1
30) Cyclohexane	7.25	84	2947	0.052	ppbv #	3
34) 2-Butanone	5.32	43	67019	0.630	ppbv	99
36) Benzene	6.98	78	36456	0.253	ppbv #	87
39) 1,2-Dichloropropane	7.26	63	496565	8.926	ppbv #	25
43) Methyl Methacrylate	8.15	69	82553	1.531	ppbv #	56
50) 4-Methyl-2-Pentanone	8.85	43	5147	0.032	ppbv #	39
53) Toluene	9.92	91	133365	0.836	ppbv	98
58) Ethyl Benzene	12.84	91	40398	0.187	ppbv	94
59) m/p-Xylene	13.09	91	192145	0.978	ppbv	96
60) o-Xylene	13.82	91	136267	0.671	ppbv	95
61) Styrene	13.65	104	525395	4.001	ppbv	96

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

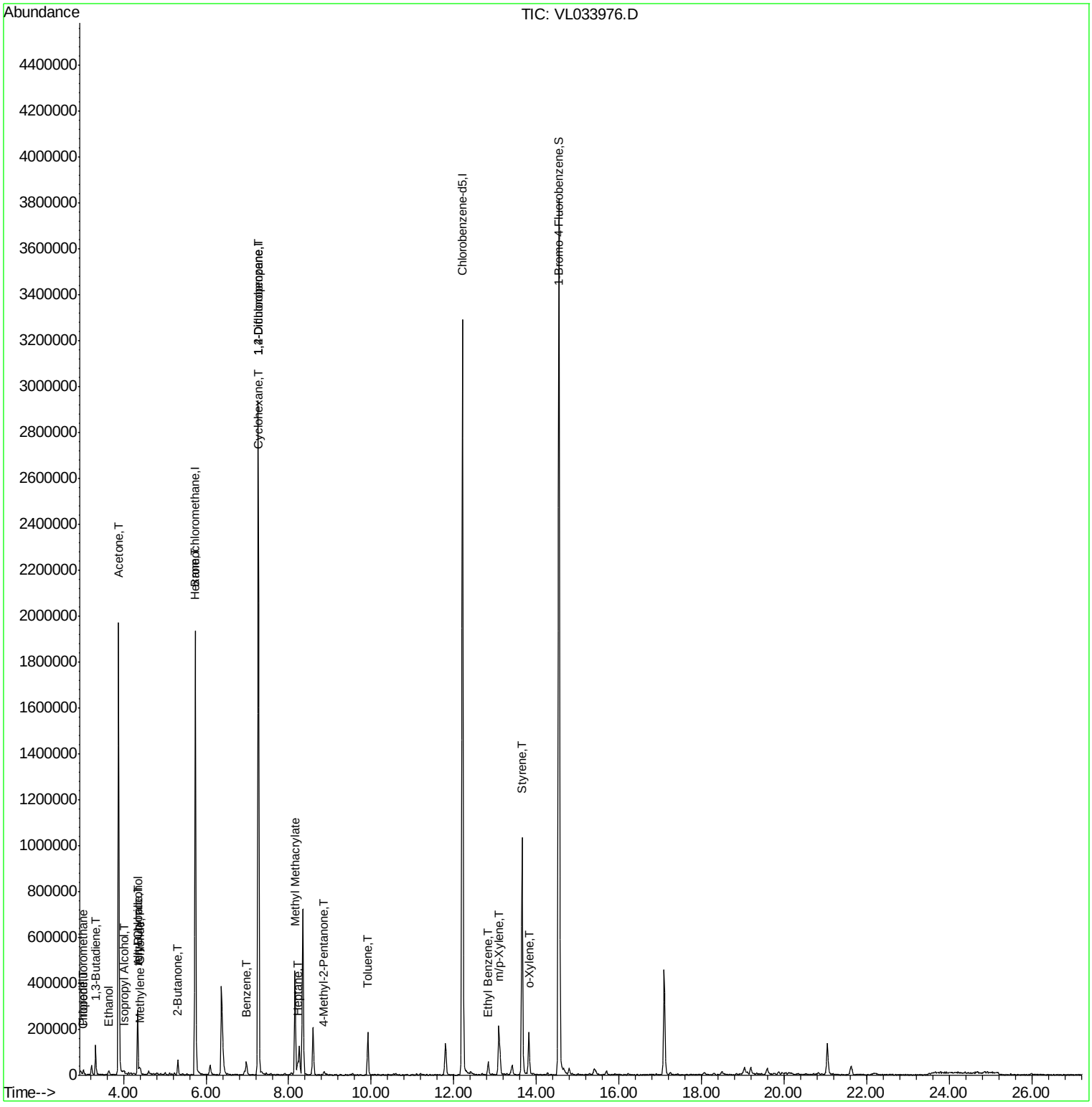
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062619\

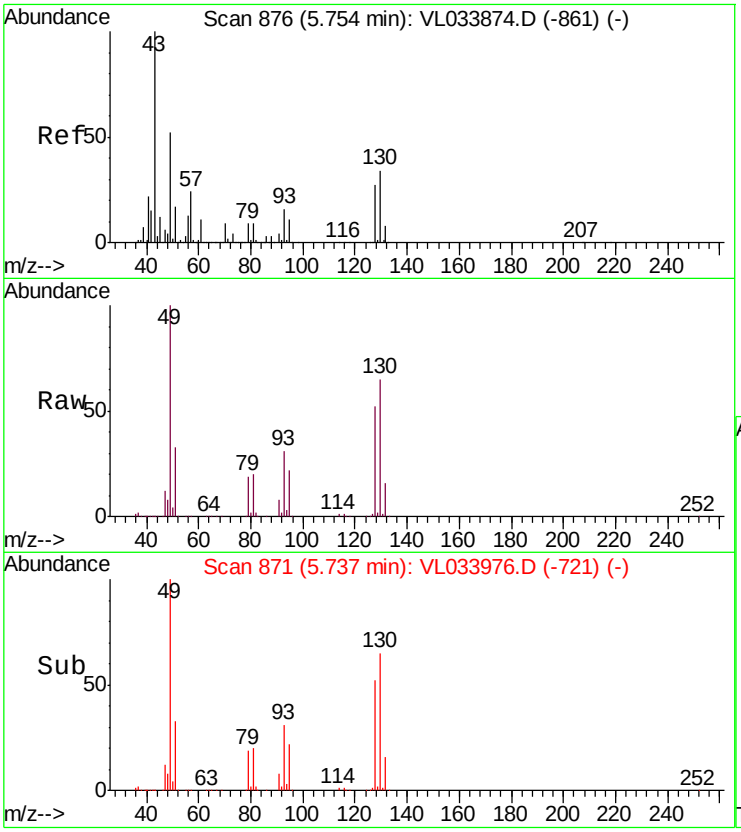
Quantitation Report (Not Reviewed)

Data File : VL033976.D
Acq On : 26 Jun 2019 20:38
Operator : SY/AP
Sample : K3481-01DL2 80X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : TZC-SSDS-AREA-A-1DL2

Quant Time: Jun 27 01:24:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration



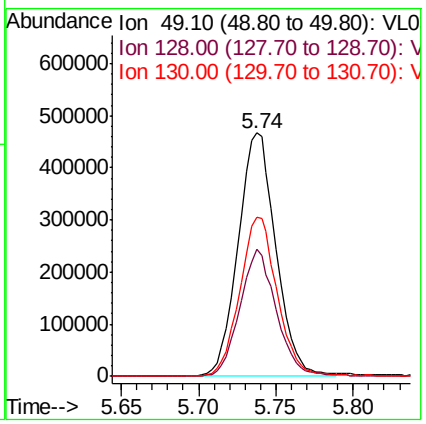


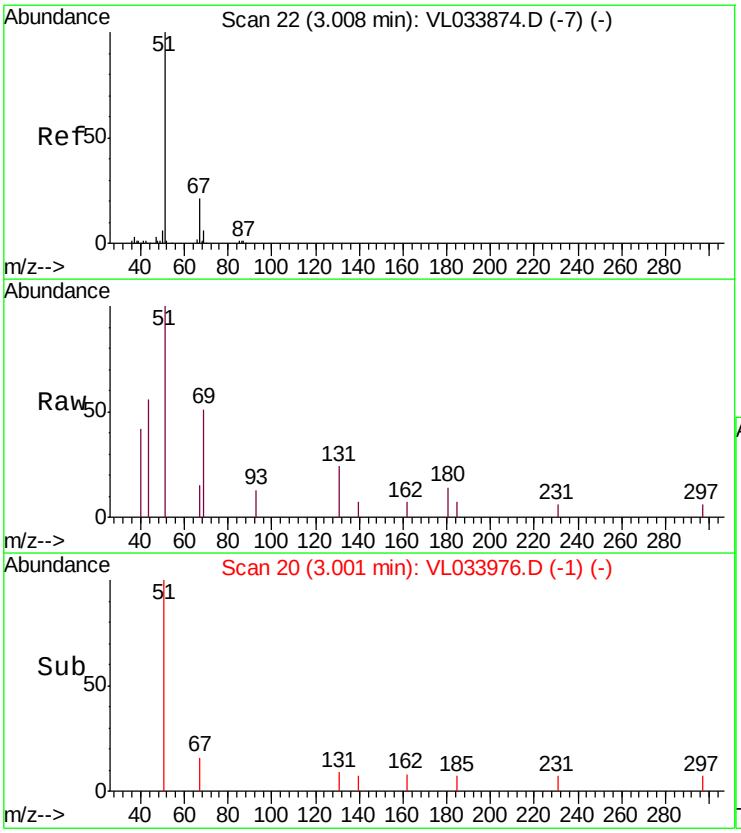
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.74 min Scan# 871
Delta R.T. -0.02 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Tgt Ion: 49 Resp: 792837

Ion	Ratio	Lower	Upper
49	100		
128	50.7	25.5	76.5
130	65.4	32.5	97.4

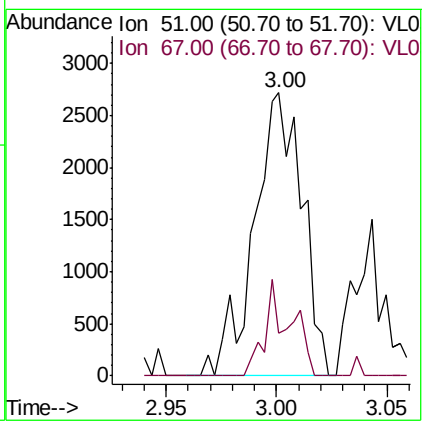


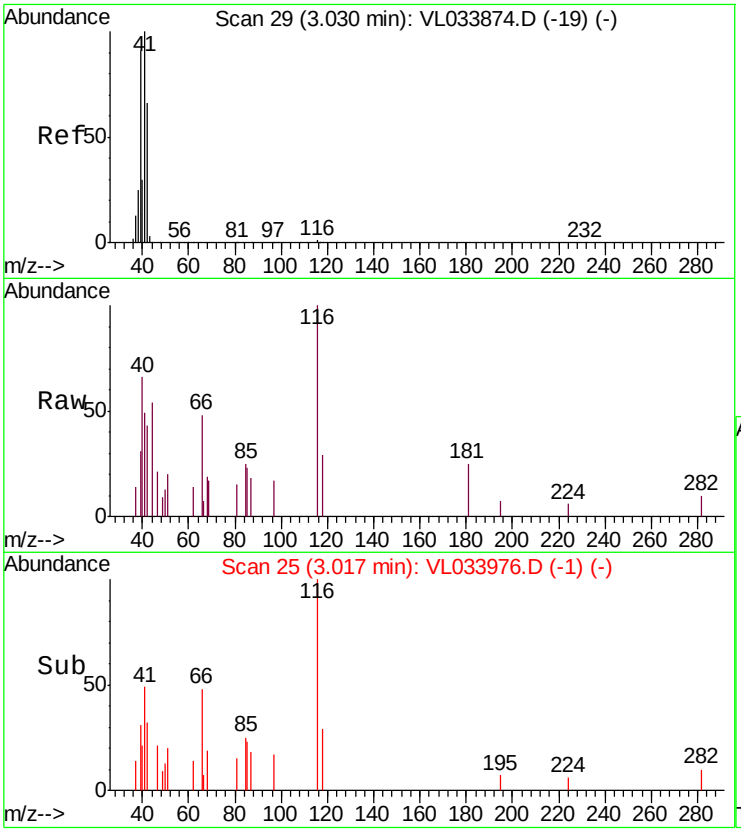


#3
Chlorodifluoromethane
Concen: 0.044 ppbv
RT: 3.00 min Scan# 20
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 51 Resp: 4086

Ion	Ratio	Lower	Upper
51	100		
67	18.3	16.4	24.6



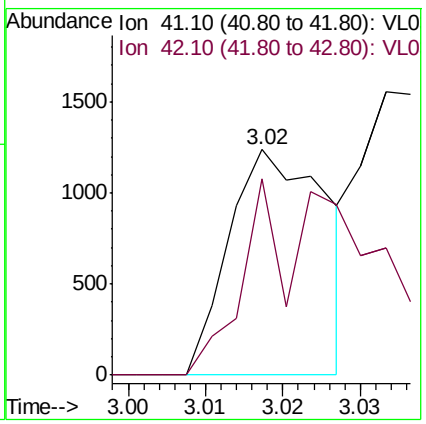


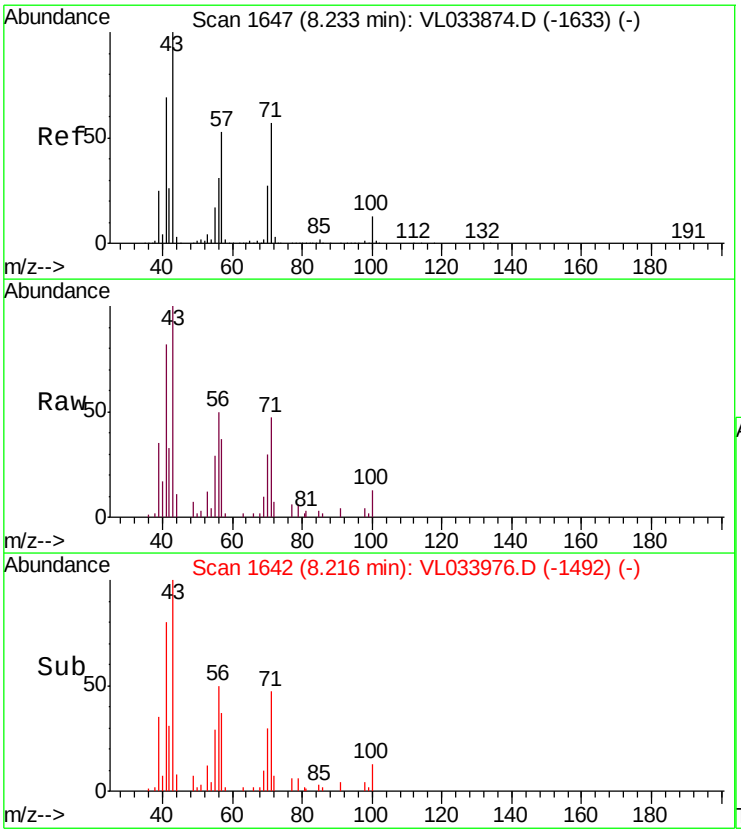
#9
Propene
Concen: 0.031 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Tgt Ion: 41 Resp: 1087

Ion	Ratio	Lower	Upper
41	100		
42	124.2	56.3	84.5#

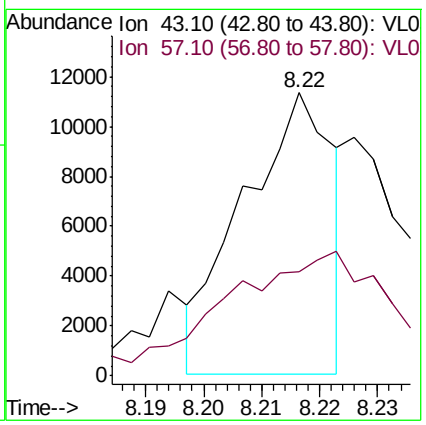


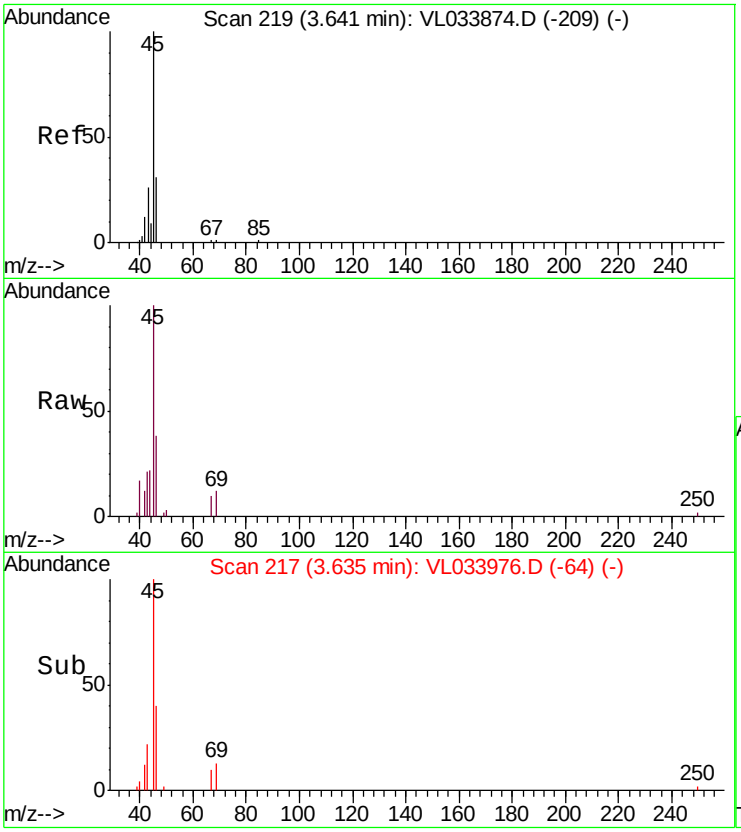


#10
Heptane
Concen: 0.138 ppbv
RT: 8.22 min Scan# 1642
Delta R.T. -0.02 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 43 Resp: 12146

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.7	62.5#



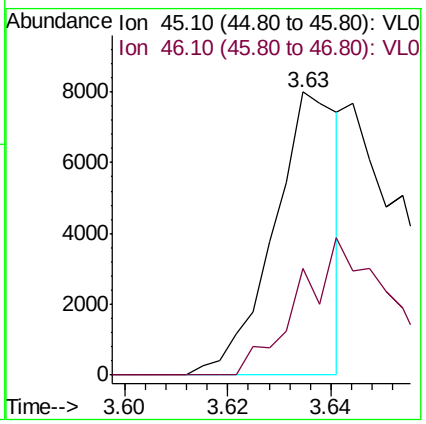


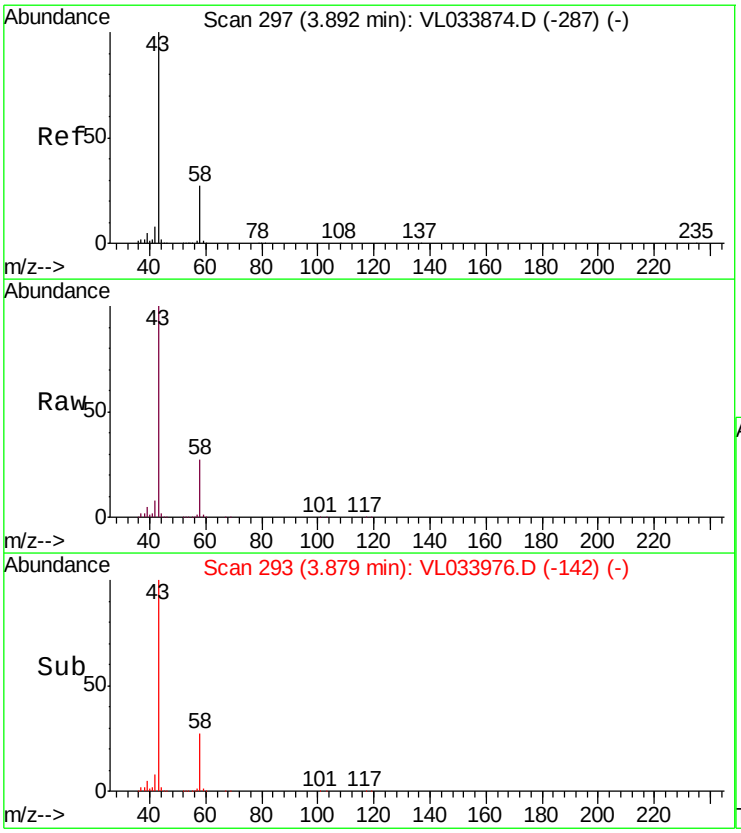
#13
Ethanol
Concen: 0.611 ppbv
RT: 3.63 min Scan# 217
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Tgt Ion: 45 Resp: 6938

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.3	61.1#

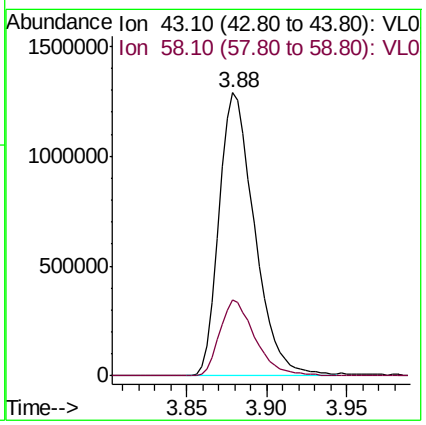


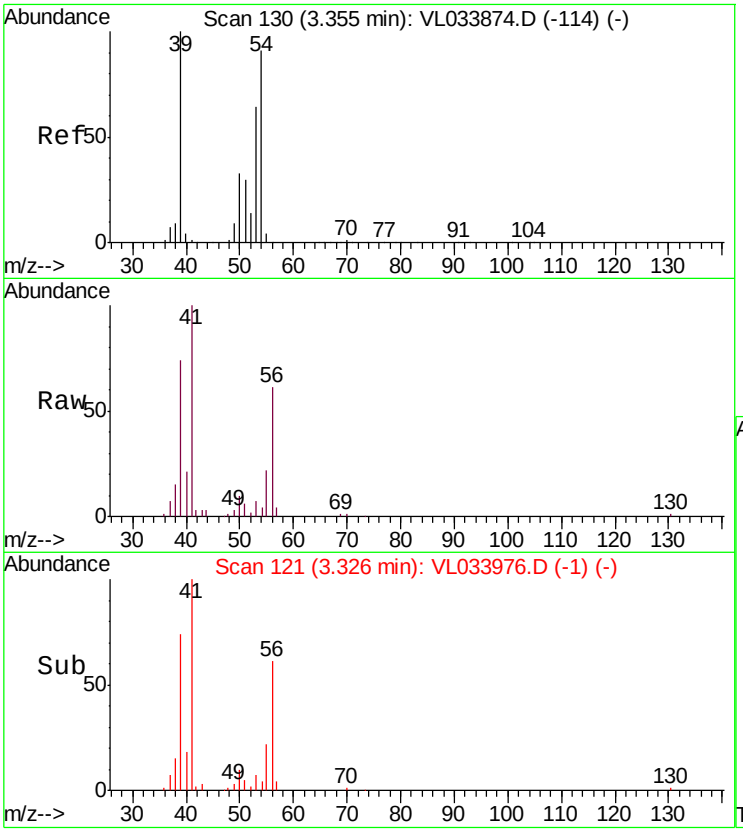


#15
Acetone
Concen: 16.966 ppbv
RT: 3.88 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 43 Resp: 1961784

Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.3	31.9



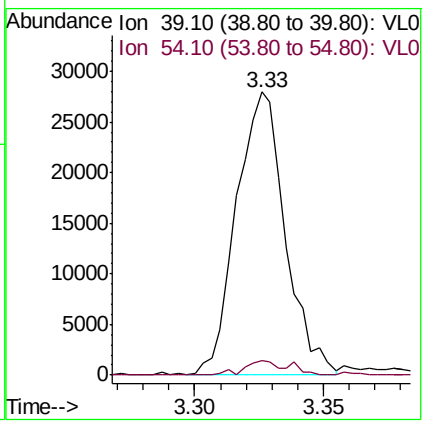


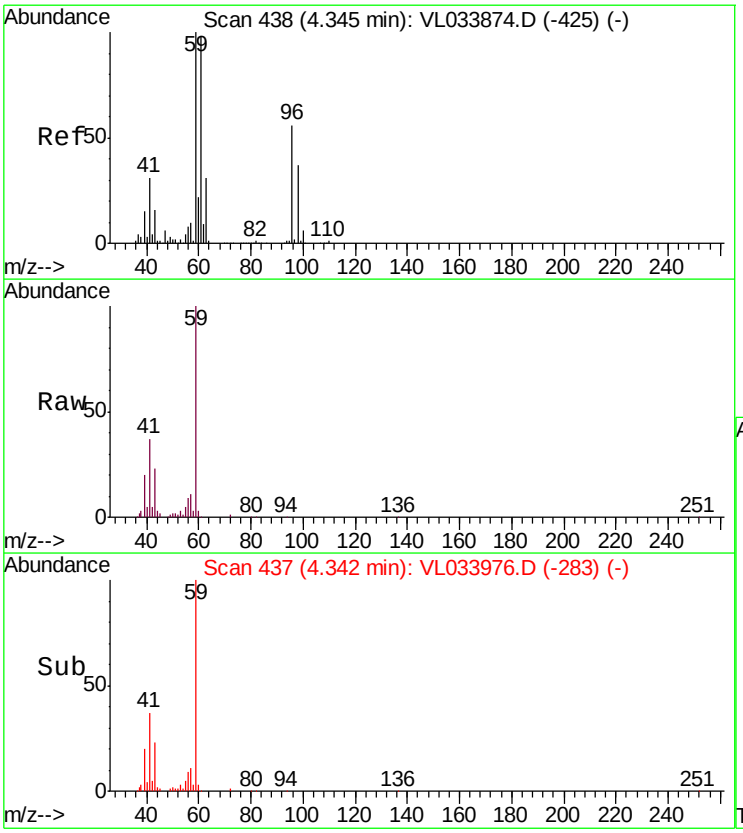
#16
1,3-Butadiene
Concen: 0.839 ppbv
RT: 3.33 min Scan# 121
Delta R.T. -0.03 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Tgt Ion: 39 Resp: 36919

Ion	Ratio	Lower	Upper
39	100		
54	4.9	68.6	103.0#

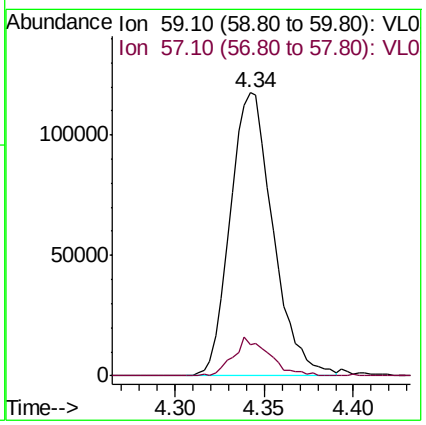


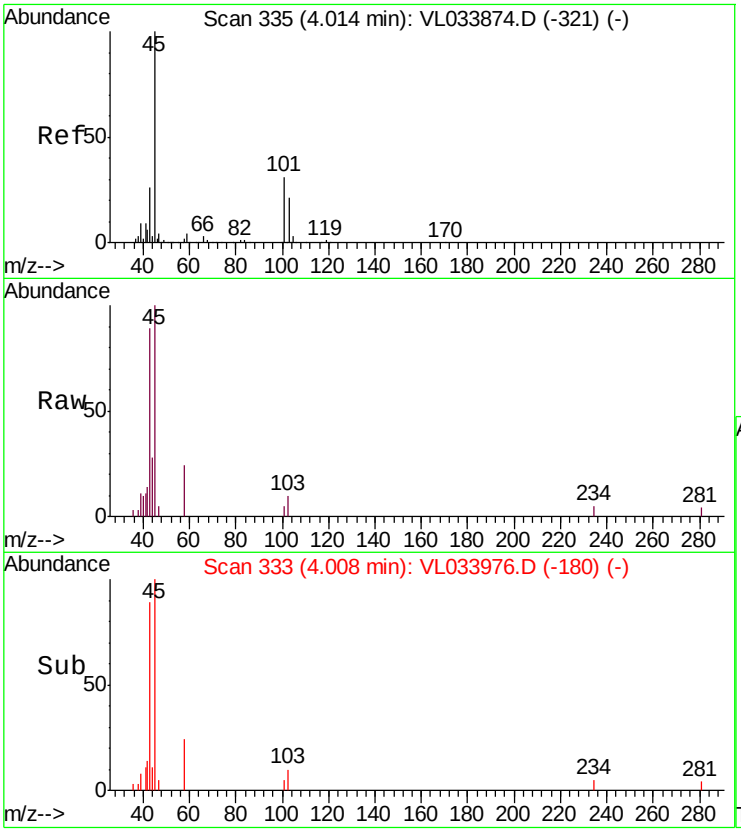


#17
tert-Butyl alcohol
Concen: 2.168 ppbv
RT: 4.34 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 59 Resp: 195949

Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.4	12.6



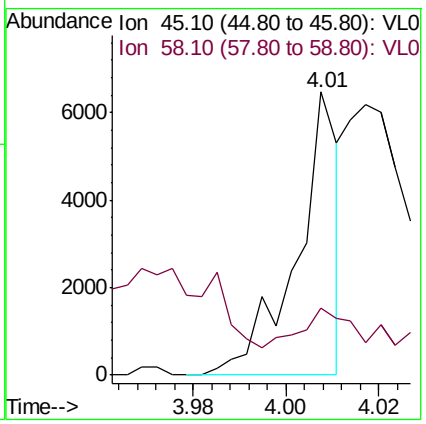


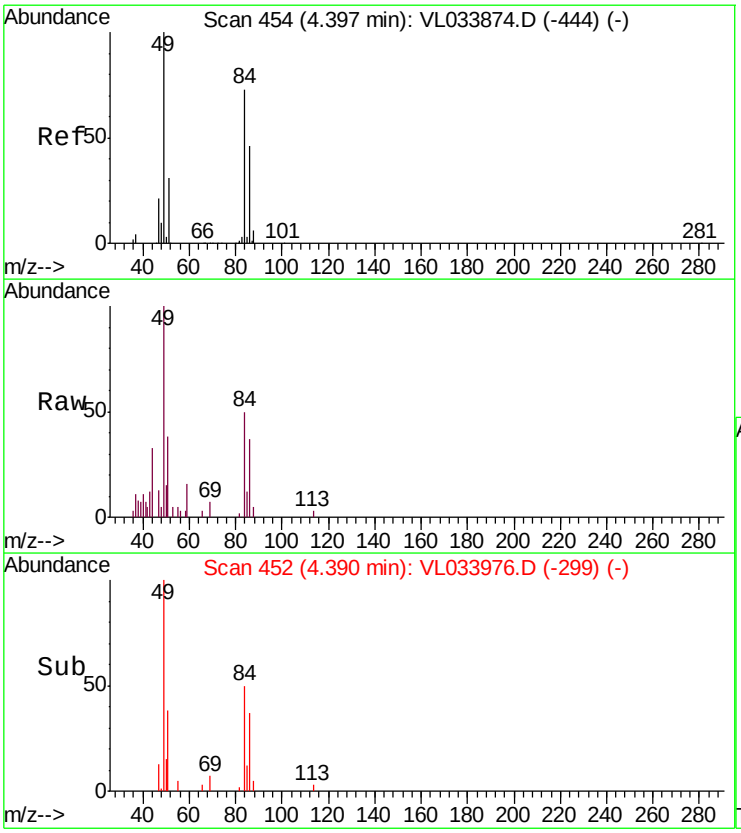
#19
Isopropyl Alcohol
Concen: 0.062 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument : MSVOA_L
ClientSampleId : TZC-SSDS-AREA-A-1DL2

Tgt Ion: 45 Resp: 4071

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.6#

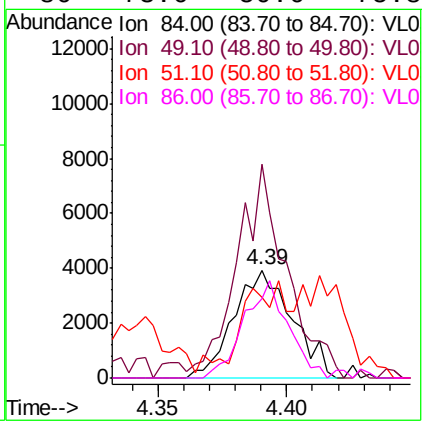


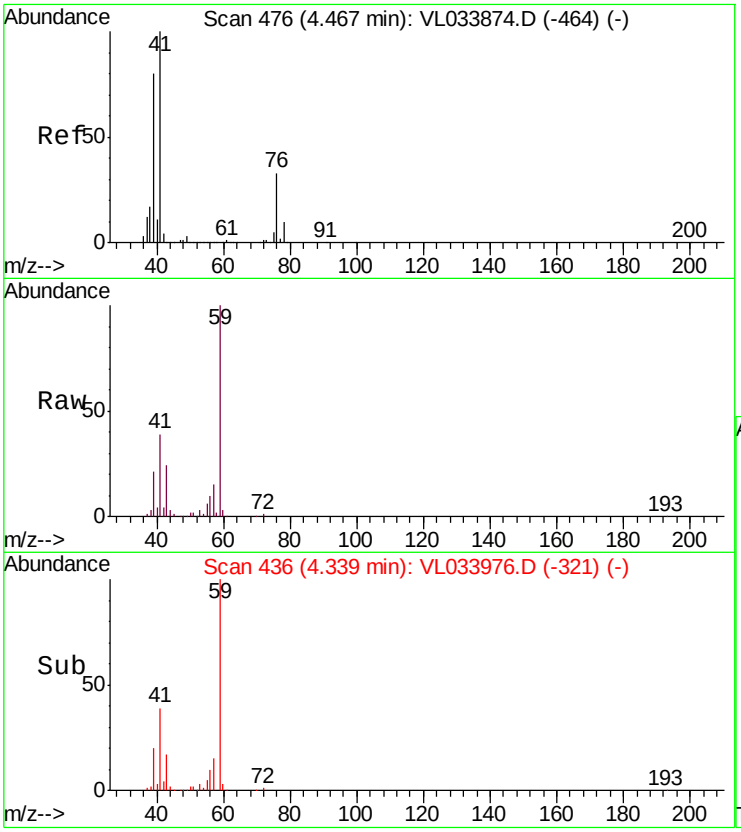


#20
Methylene Chloride
Concen: 0.138 ppbv
RT: 4.39 min Scan# 452
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 84 Resp: 6202

Ion	Ratio	Lower	Upper
84	100		
49	193.1	110.0	165.0#
51	52.6	34.6	51.8#
86	73.6	50.6	75.8



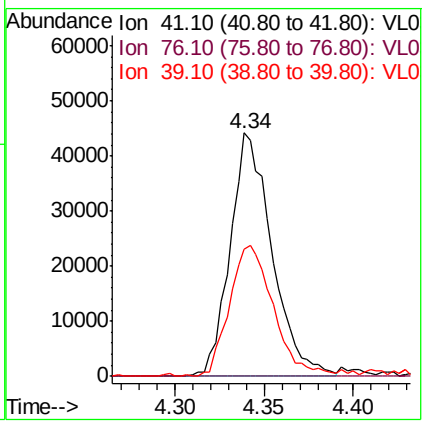


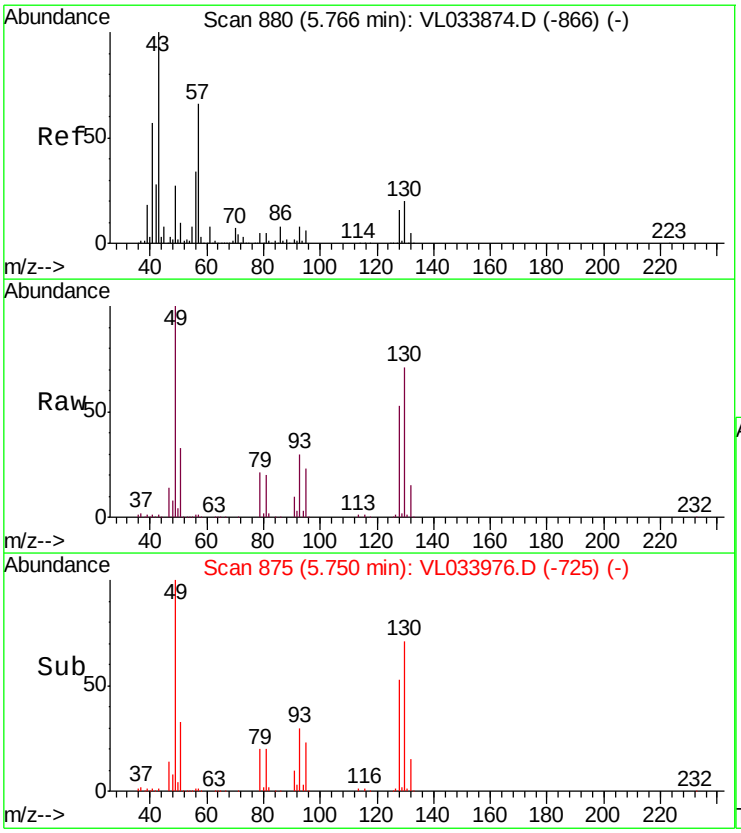
#21
Allyl Chloride
Concen: 1.096 ppbv
RT: 4.34 min Scan# 436
Delta R.T. -0.13 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Tgt Ion: 41 Resp: 71982

Ion	Ratio	Lower	Upper
41	100		
76	0.0	26.6	39.8#
39	57.5	65.2	97.8#

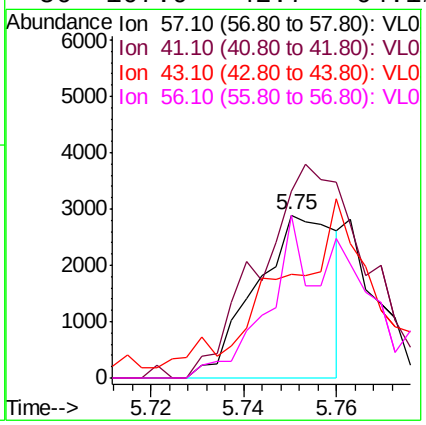


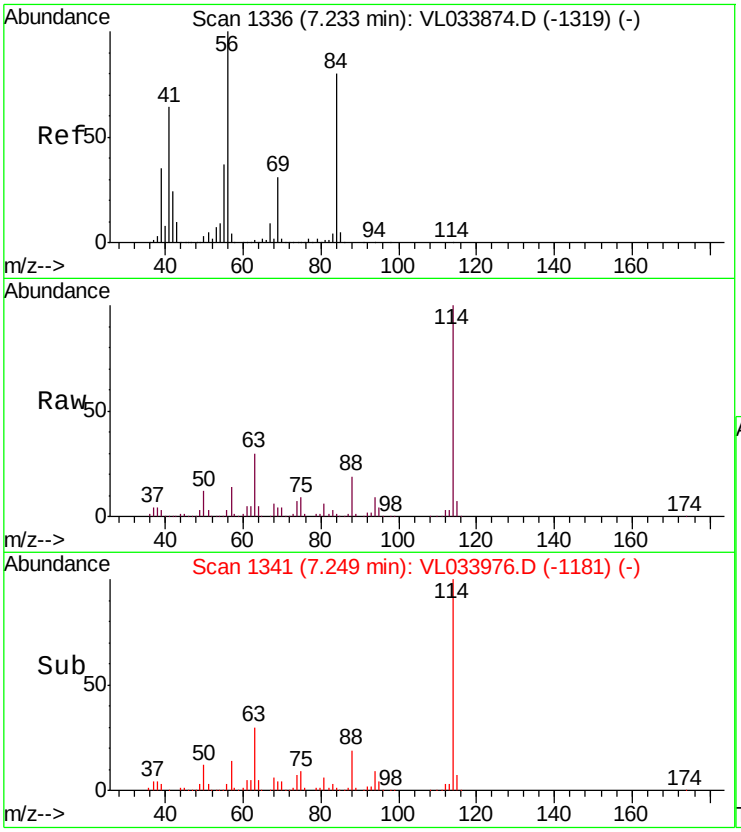


#26
Hexane
Concen: 0.043 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.02 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 57 Resp: 3417

Ion	Ratio	Lower	Upper
57	100		
41	180.0	71.4	107.2#
43	0.0	183.7	275.5#
56	107.9	42.7	64.1#



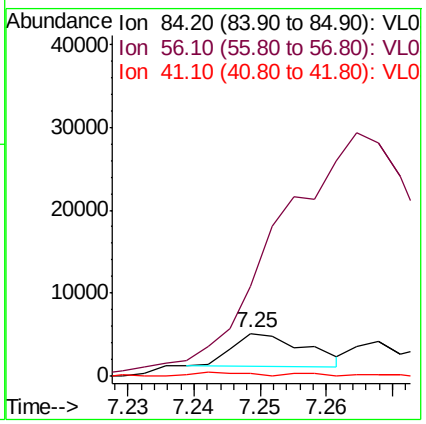


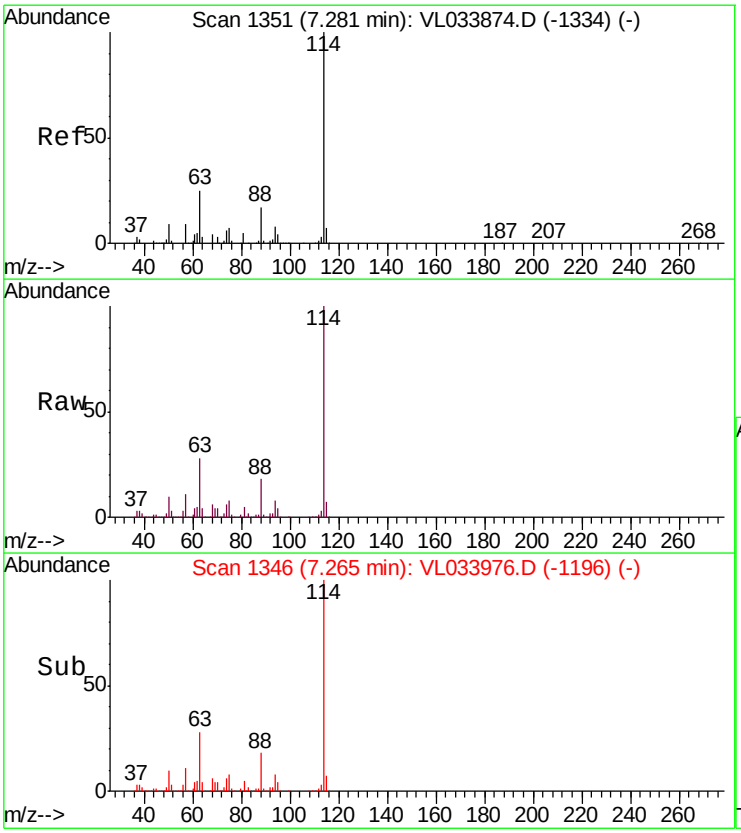
#30
Cyclohexane
Concen: 0.052 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.02 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Tgt Ion: 84 Resp: 2947

Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.8	158.8#
41	18.6	65.7	98.5#

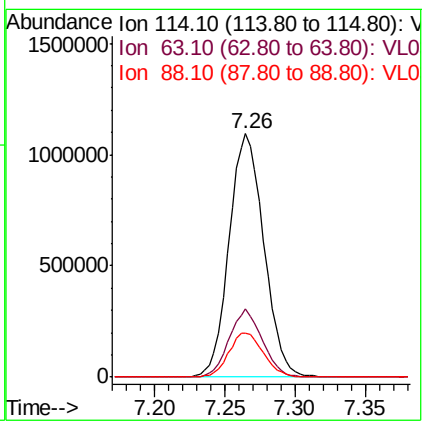


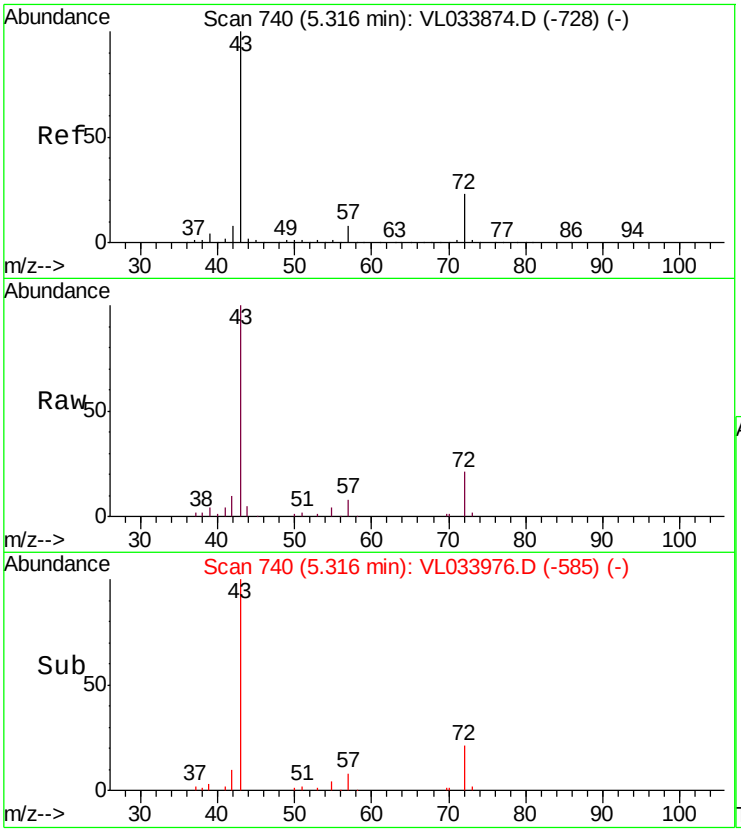


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion:114 Resp: 1887000

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.1	31.7
88	18.1	14.2	21.4



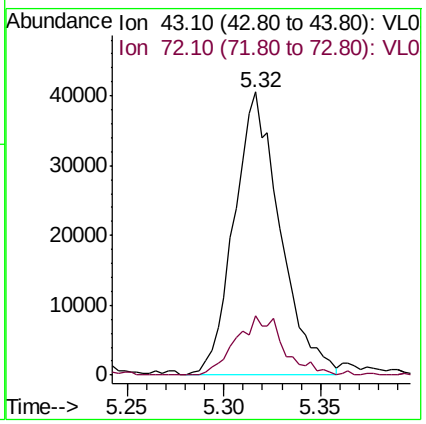


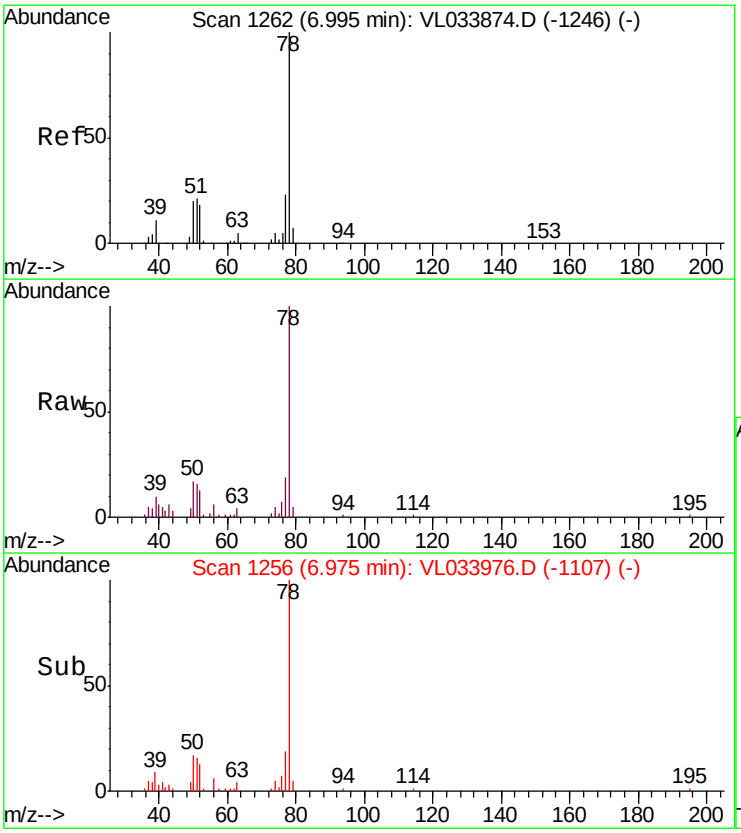
#34
2-Butanone
Concen: 0.630 ppbv
RT: 5.32 min Scan# 740
Delta R.T. -0.00 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Tgt Ion: 43 Resp: 67019

Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.9	26.9

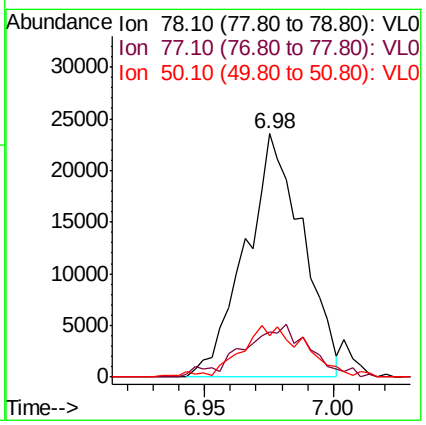


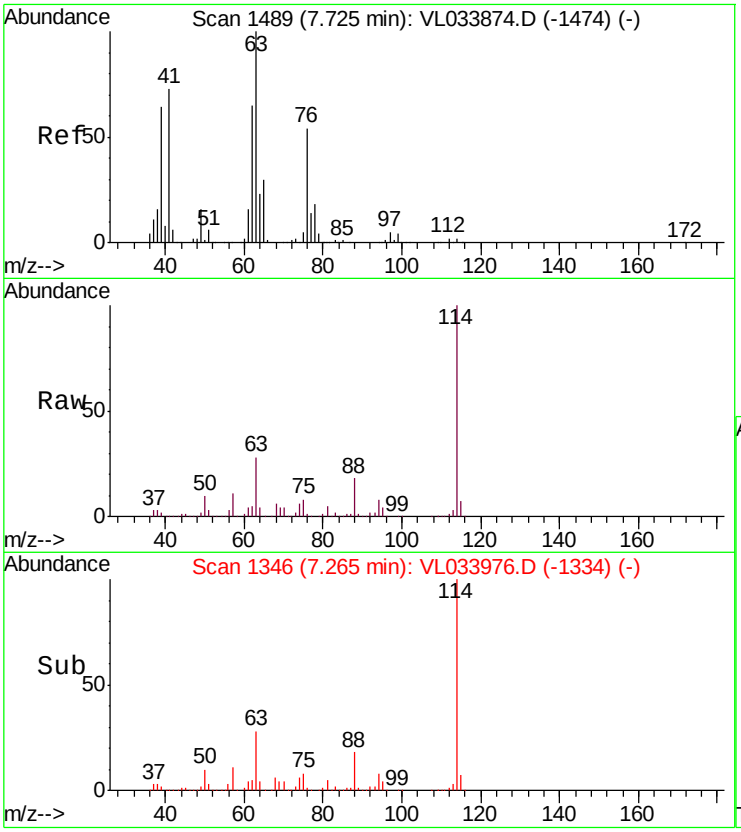


#36
Benzene
Concen: 0.253 ppbv
RT: 6.98 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 78 Resp: 36456

Ion	Ratio	Lower	Upper
78	100		
77	17.7	18.2	27.2#
50	12.2	15.9	23.9#



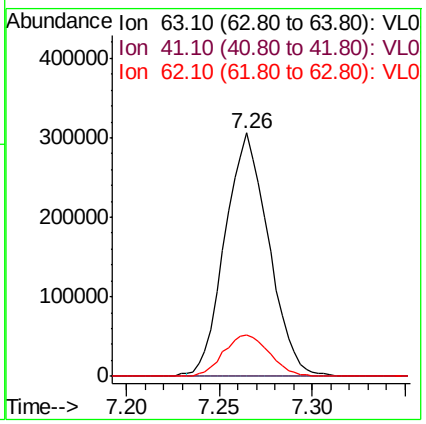


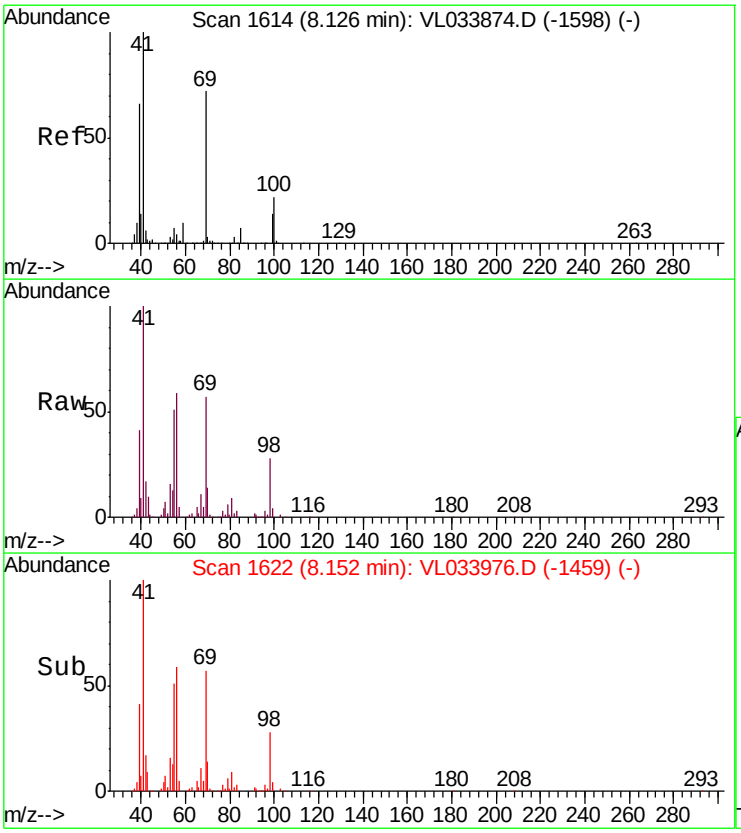
#39
1,2-Dichloropropane
Concen: 8.926 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. -0.46 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Tgt Ion: 63 Resp: 496565

Ion	Ratio	Lower	Upper
63	100		
41	0.1	58.7	88.1#
62	16.7	51.9	77.9#

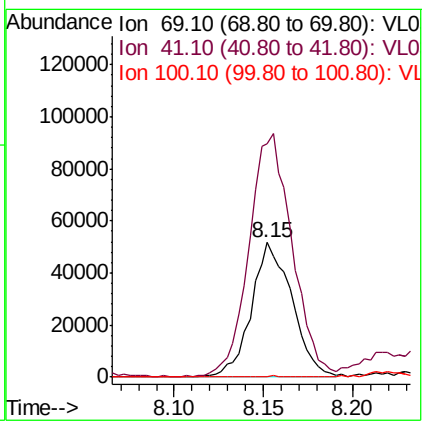


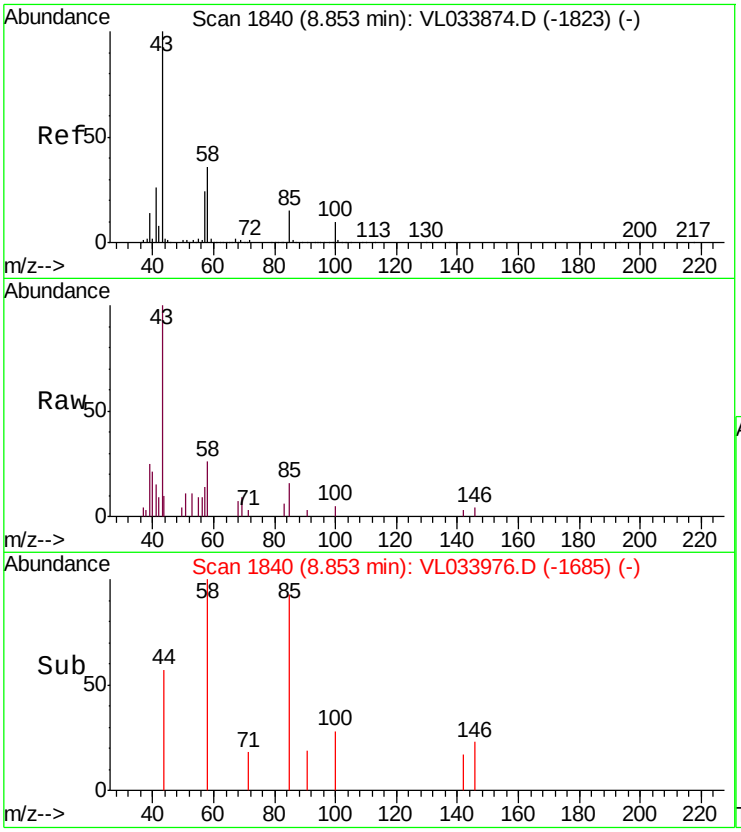


#43
Methyl Methacrylate
Concen: 1.531 ppbv
RT: 8.15 min Scan# 1622
Delta R.T. 0.03 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 69 Resp: 82553

Ion	Ratio	Lower	Upper
69	100		
41	194.3	114.3	171.5#
100	0.2	24.8	37.2#



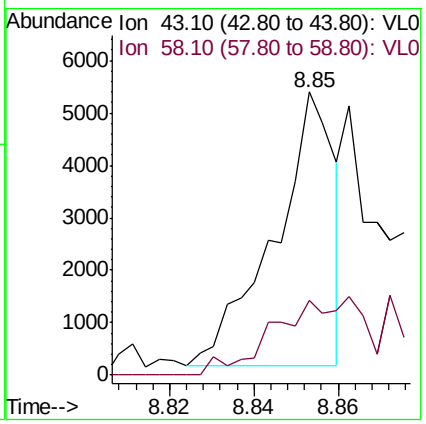


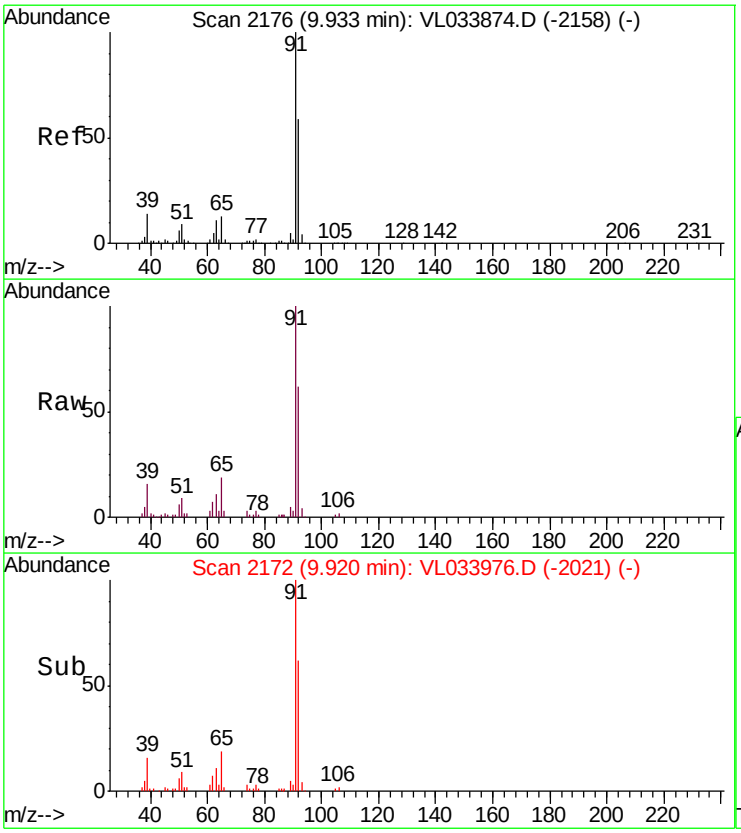
#50
4-Methyl-2-Pentanone
Concen: 0.032 ppbv
RT: 8.85 min Scan# 1840
Delta R.T. -0.00 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Tgt Ion: 43 Resp: 5147

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.6	42.8#

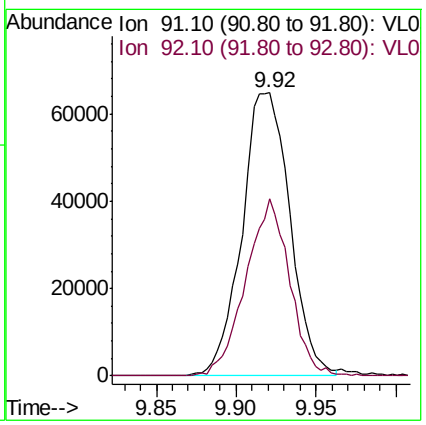


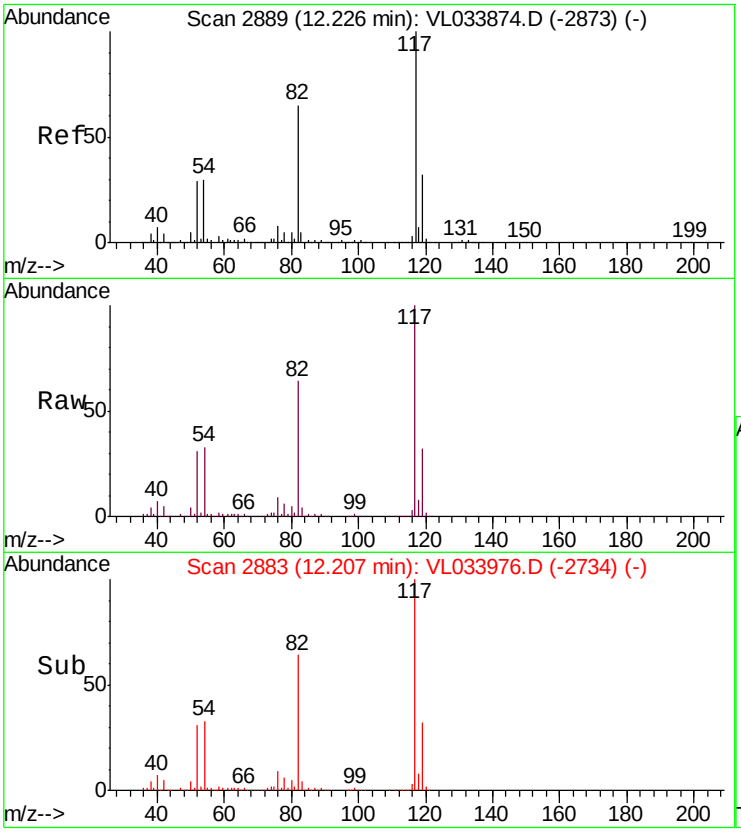


#53
Toluene
Concen: 0.836 ppbv
RT: 9.92 min Scan# 2172
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 91 Resp: 133365

Ion	Ratio	Lower	Upper
91	100		
92	57.0	47.0	70.6



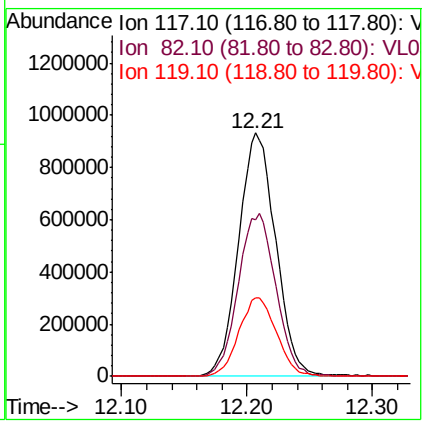


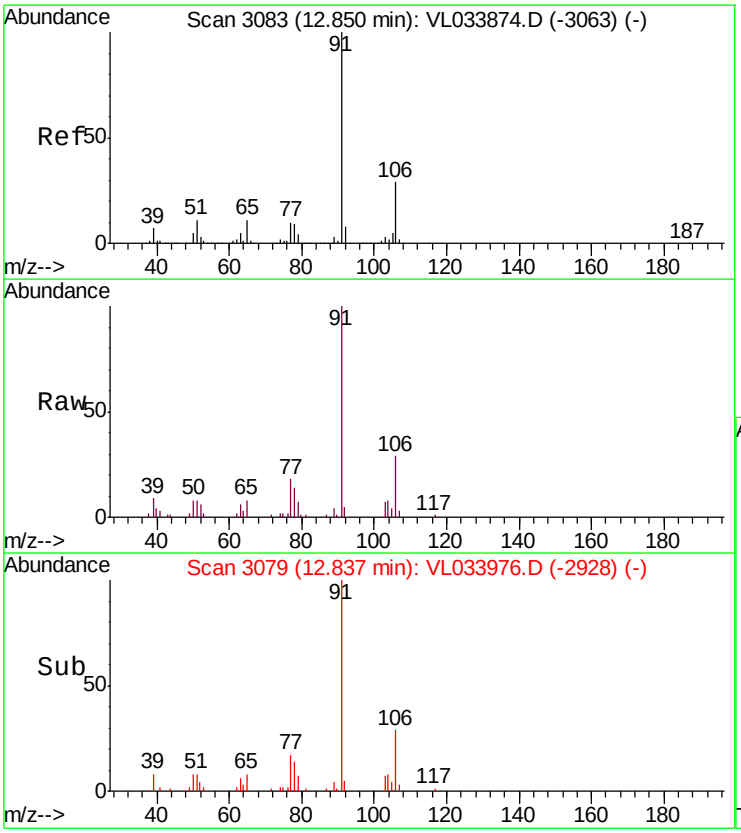
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2883
Delta R.T. -0.02 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Tgt Ion:117 Resp: 1917050

Ion	Ratio	Lower	Upper
117	100		
82	68.3	50.2	75.2
119	32.9	24.8	37.2

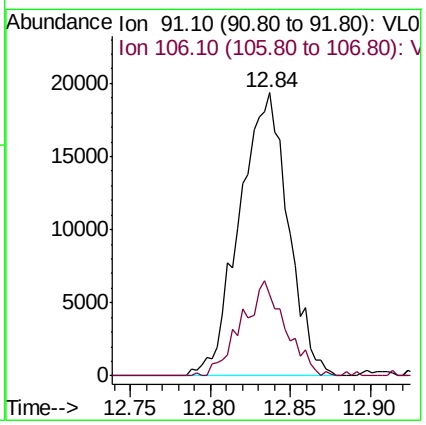


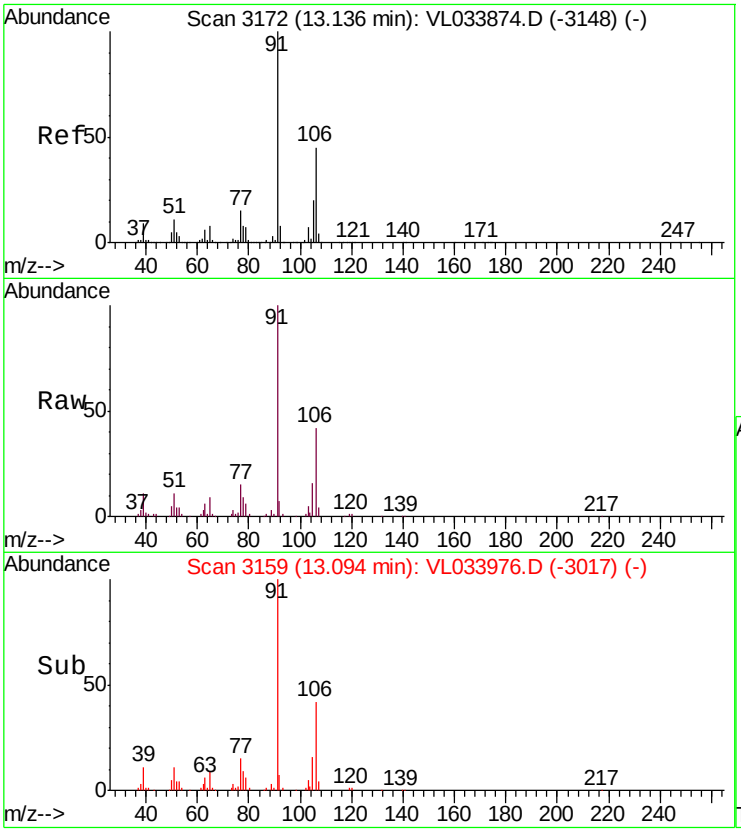


#58
Ethyl Benzene
Concen: 0.187 ppbv
RT: 12.84 min Scan# 3079
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 91 Resp: 40398

Ion	Ratio	Lower	Upper
91	100		
106	32.2	23.0	34.6



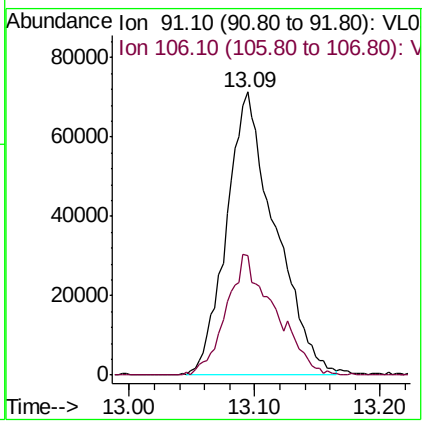


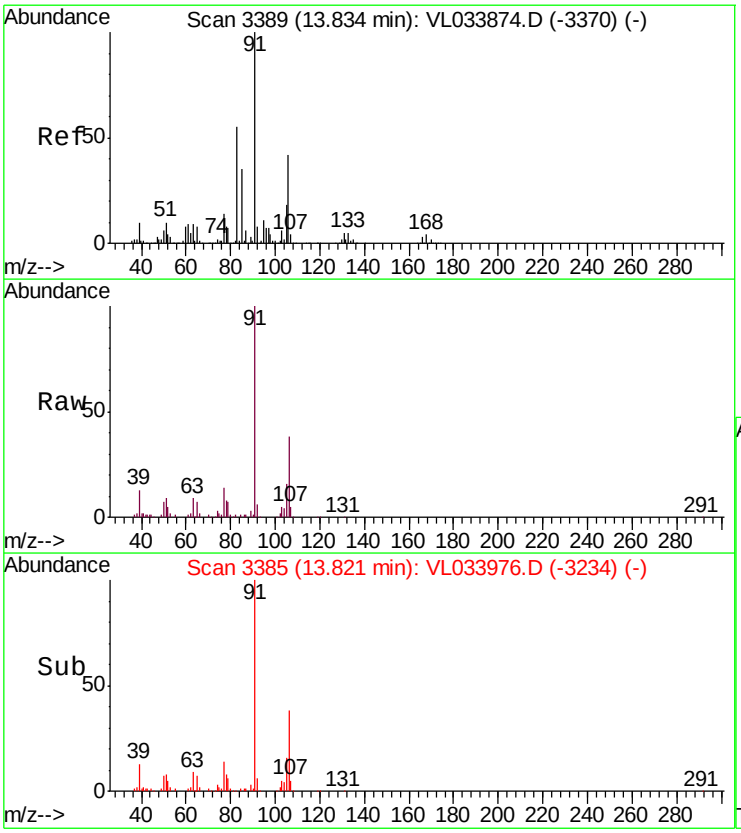
#59
m/p-Xylene
Concen: 0.978 ppbv
RT: 13.09 min Scan# 3159
Delta R.T. -0.04 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Tgt Ion: 91 Resp: 192145

Ion	Ratio	Lower	Upper
91	100		
106	42.4	35.8	53.8

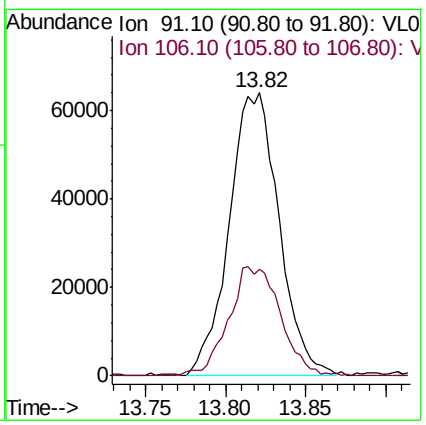


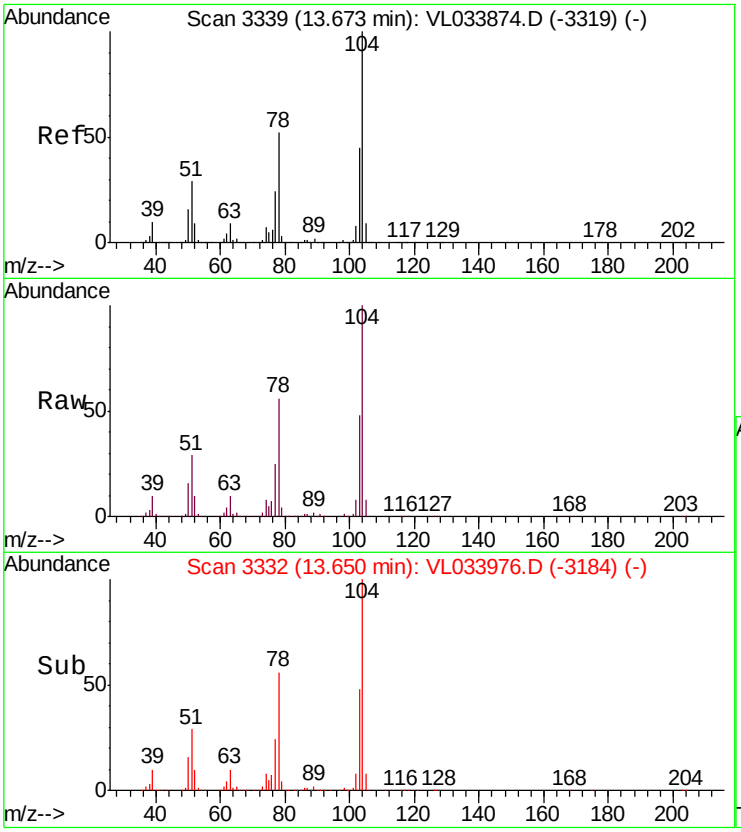


#60
o-Xylene
Concen: 0.671 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 91 Resp: 136267

Ion	Ratio	Lower	Upper
91	100		
106	40.2	21.7	65.1



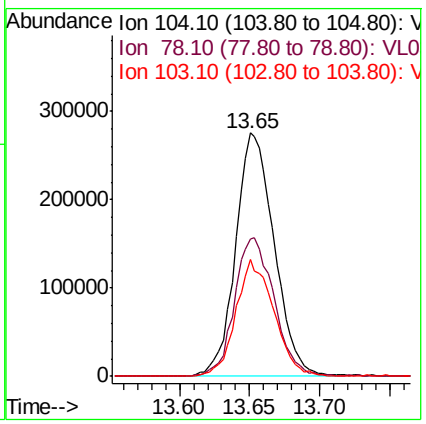


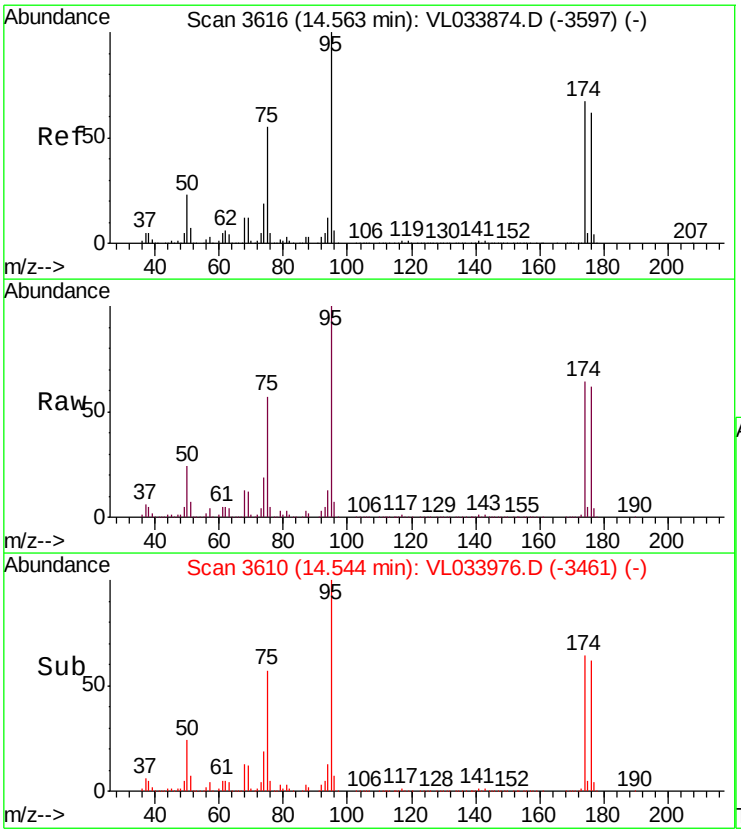
#61
Styrene
Concen: 4.001 ppbv
RT: 13.65 min Scan# 3332
Delta R.T. -0.02 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Tgt Ion:104 Resp: 525395

Ion	Ratio	Lower	Upper
104	100		
78	59.0	43.4	65.0
103	47.7	37.6	56.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.834 ppbv
RT: 14.54 min Scan# 3610
Delta R.T. -0.02 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 95 Resp: 1706010

Ion	Ratio	Lower	Upper
95	100		
174	65.8	54.0	81.0
175	4.6	3.8	5.8