

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062619\
 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

Manual Integrations
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 6/27/2019 3:01:28 PM

Quant Time: Jun 27 05:50:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 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	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.22	43	21976m	0.249	ppbv	
13) Ethanol	3.63	45	14938m	1.315	ppbv	
15) Acetone	3.88	43	1961784	16.966	ppbv	100
17) tert-Butyl alcohol	4.34	59	195949	2.168	ppbv	97
19) Isopropyl Alcohol	4.01	45	11626m	0.176	ppbv	
20) Methylene Chloride	4.39	84	6202	0.138	ppbv #	68
34) 2-Butanone	5.32	43	67019	0.630	ppbv	99
36) Benzene	6.98	78	36456	0.253	ppbv #	87
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

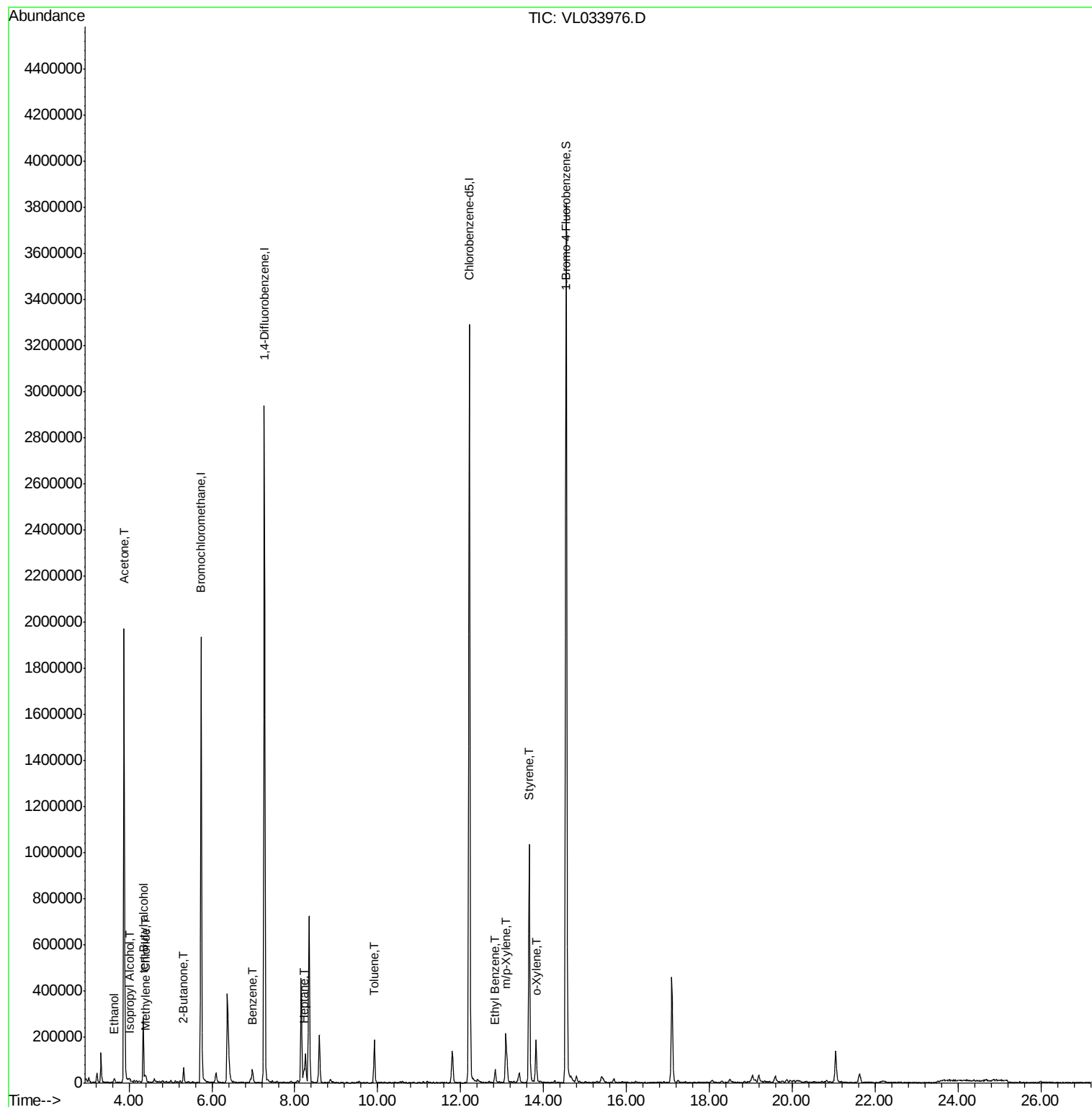
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062619\
Data File : VL033976.D
Acq On : 26 Jun 2019 20:38
Operator : SY/AP
Sample : K3481-01DL2 80X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

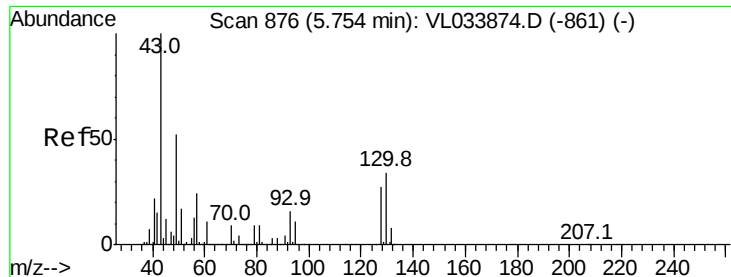
Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Manual Integrations
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Quant Time: Jun 27 05:50:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
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

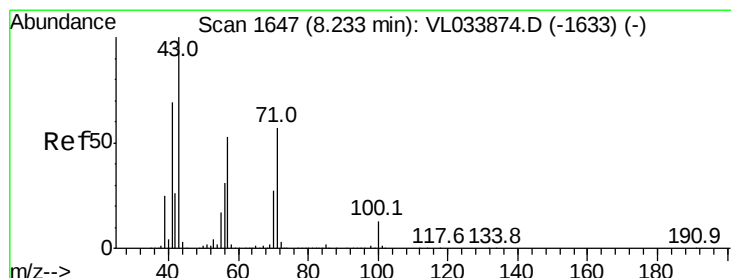
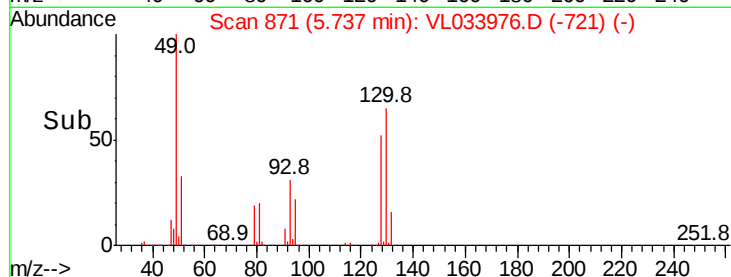
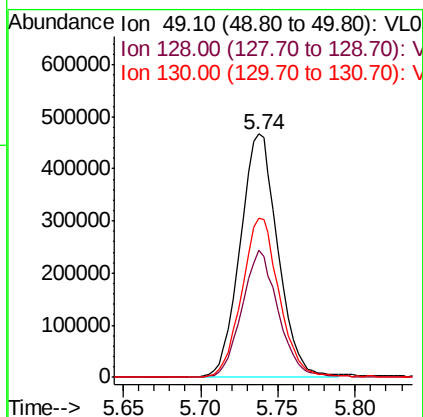
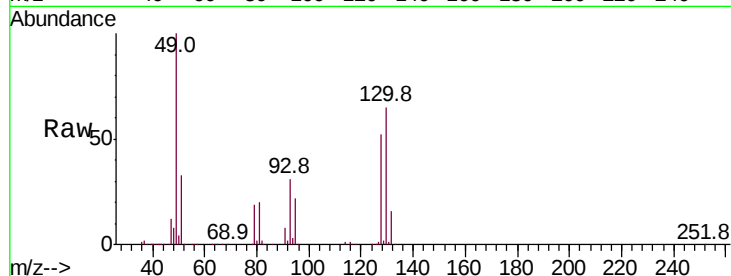
ClientSampleId :

TZC-SSDS-AREA-A-1DL2

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

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#10

Heptane

Concen: 0.249 ppbv m

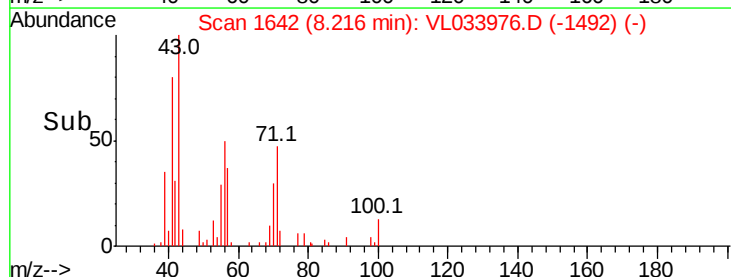
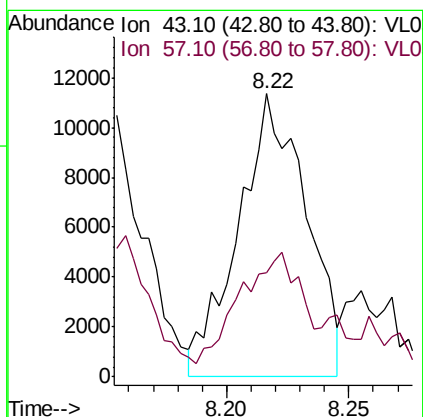
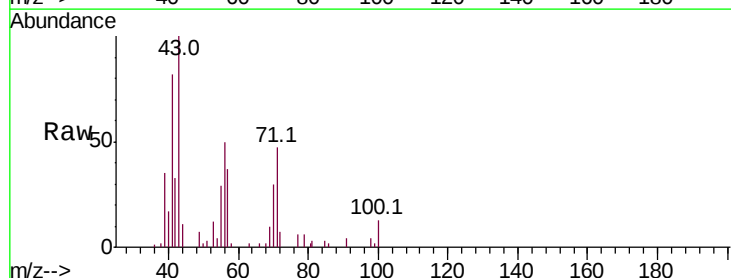
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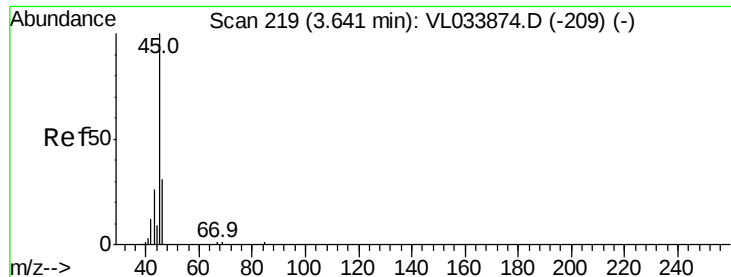
Delta R.T. -0.02 min

Lab File: VL033976.D

Acq: 26 Jun 2019 20:38

Tgt Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.7	62.5#





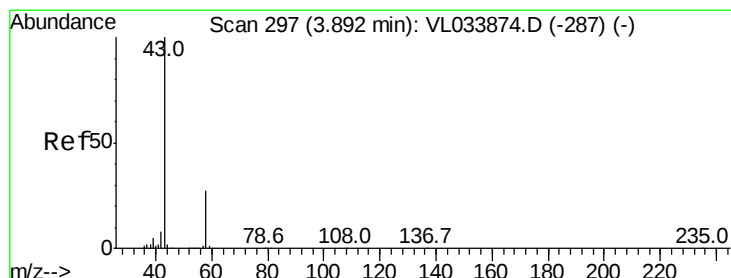
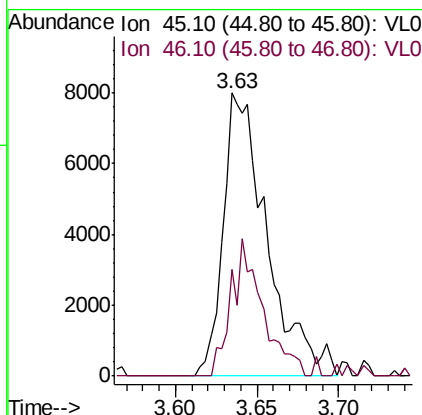
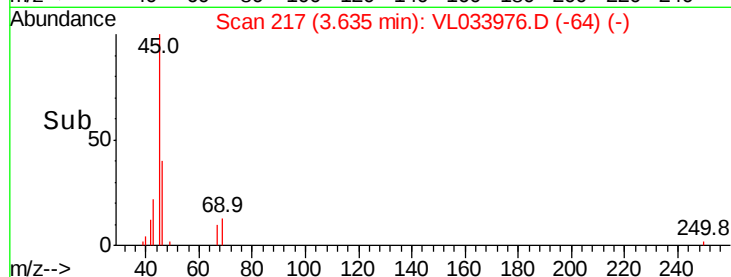
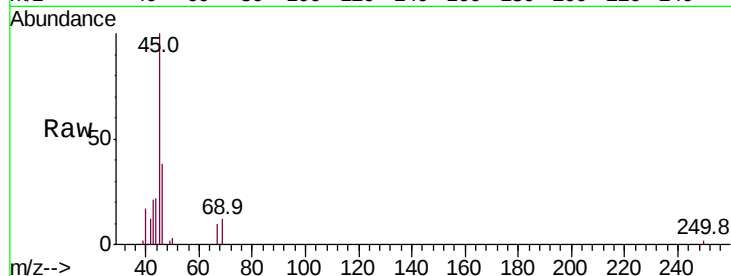
#13
Ethanol
Concen: 1.315 ppbv m
RT: 3.63 min Scan# 217
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

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

Tot Ion: 45 Resp: 14938
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1#

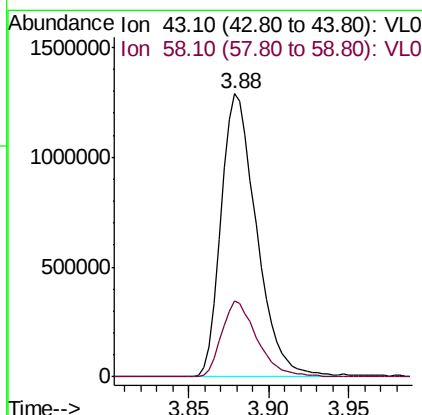
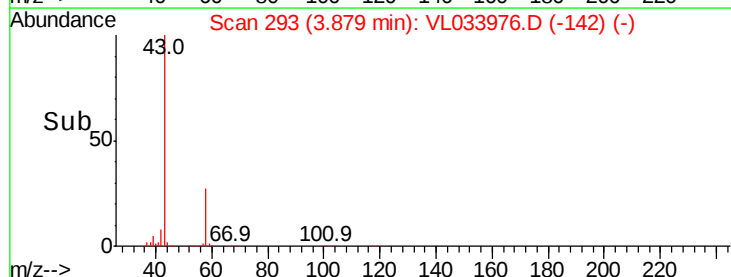
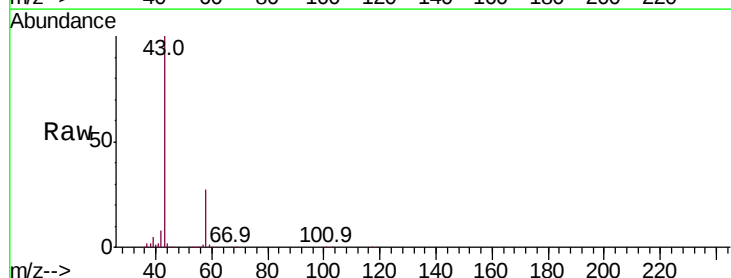
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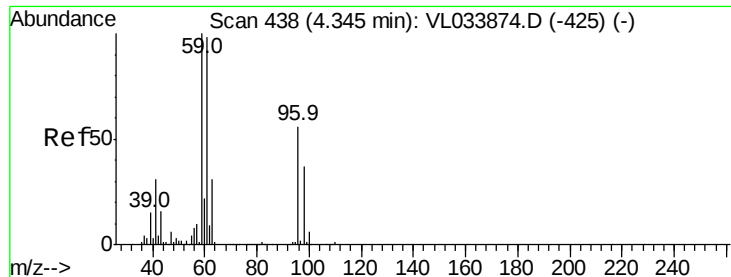
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#15
Acetone
Concen: 16.966 ppbv
RT: 3.88 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

Tgt Ion: 43 Resp: 1961784
Ion Ratio Lower Upper
43 100
58 26.7 21.3 31.9





#17

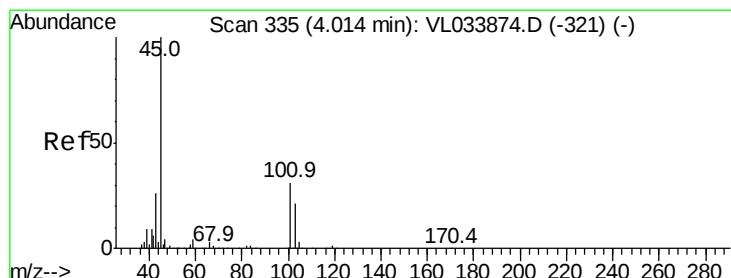
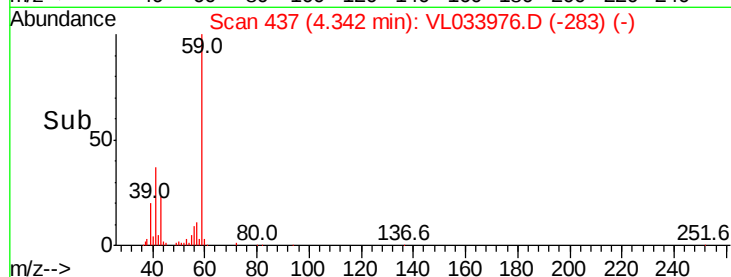
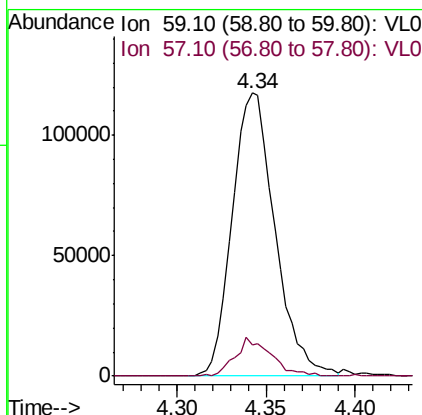
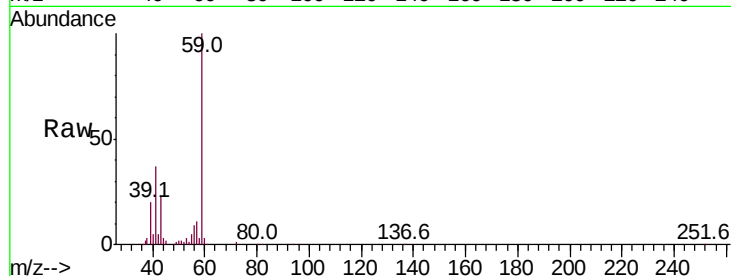
tert-Butyl alcohol
 Concen: 2.168 ppbv
 RT: 4.34 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: VL033976.D
 Acq: 26 Jun 2019 20:38

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.4	12.6

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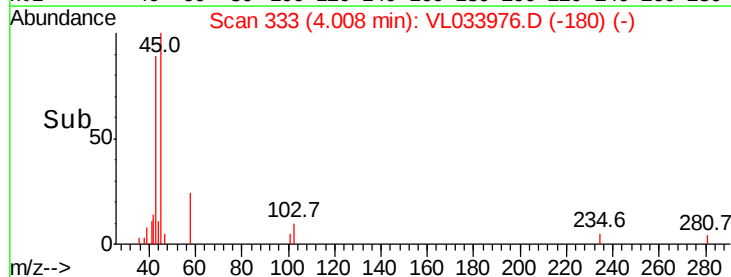
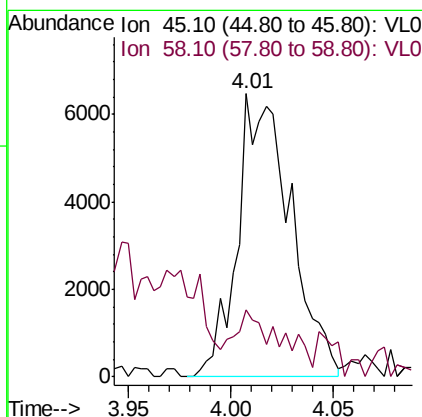
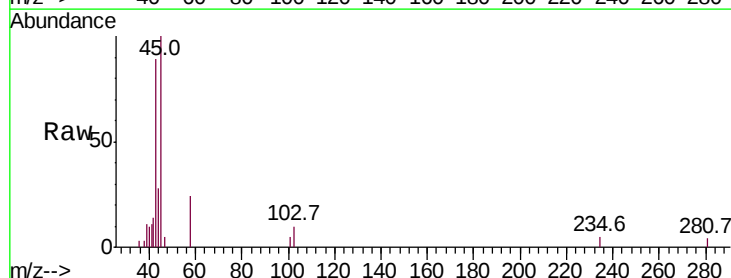
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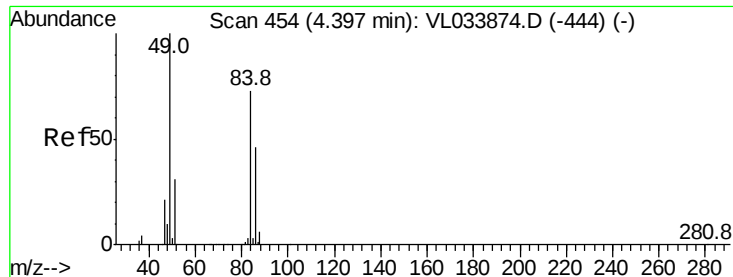


#19

Isopropyl Alcohol
 Concen: 0.176 ppbv m
 RT: 4.01 min Scan# 333
 Delta R.T. -0.01 min
 Lab File: VL033976.D
 Acq: 26 Jun 2019 20:38

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.6#





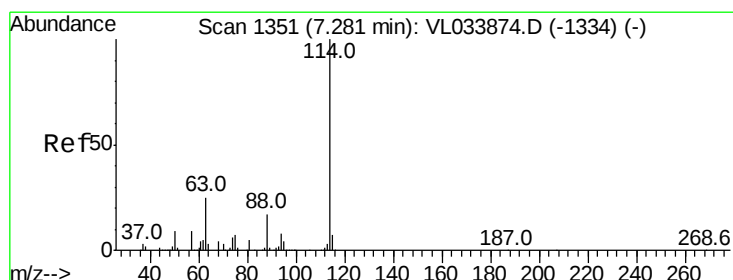
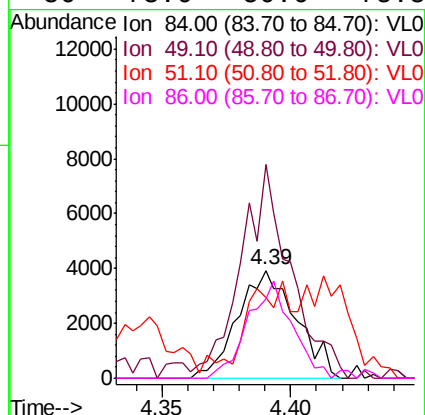
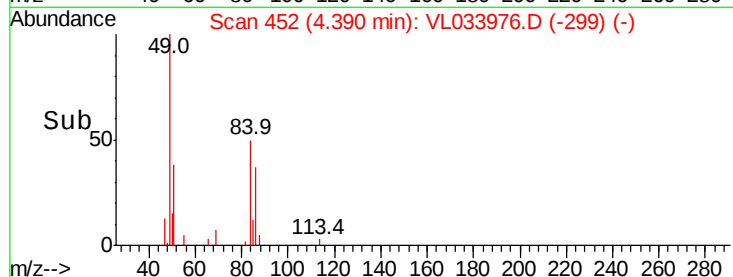
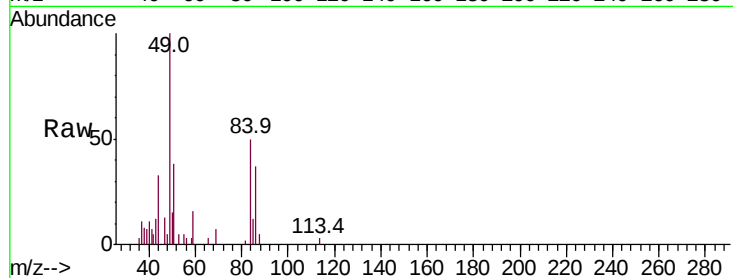
#20
Methvlene Chloride
Concen: 0.138 ppbv
RT: 4.39 min Scan# 452
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

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

Tot 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

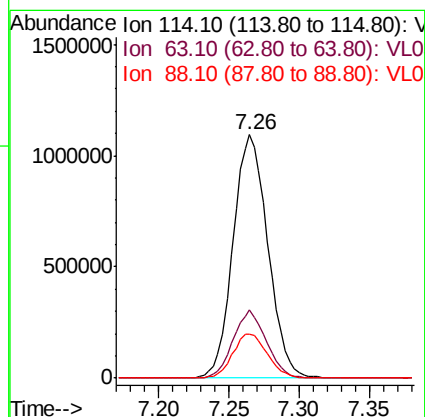
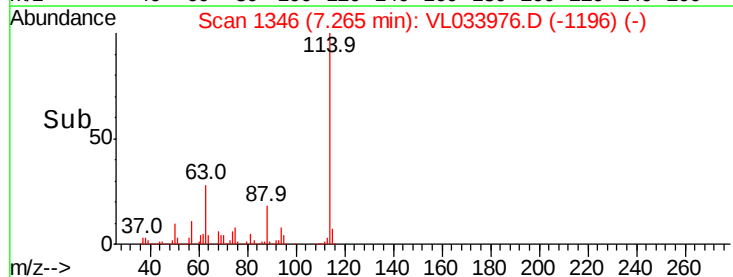
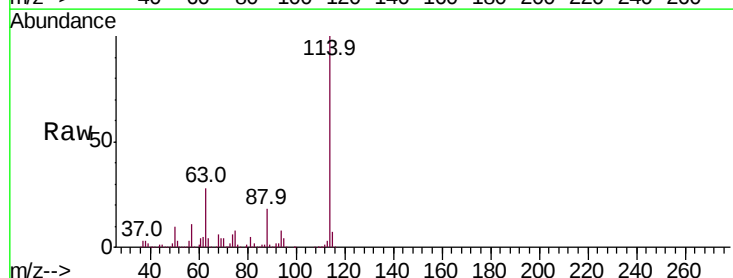
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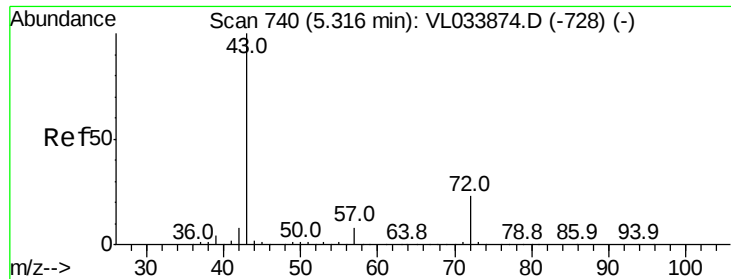
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

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





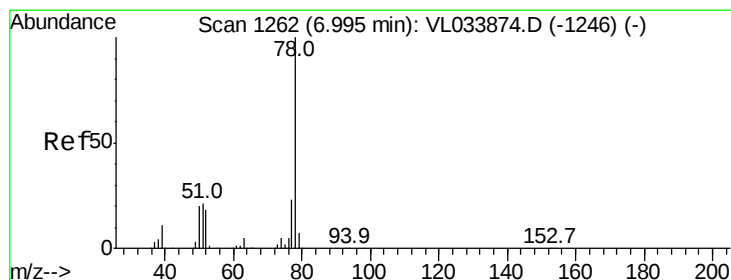
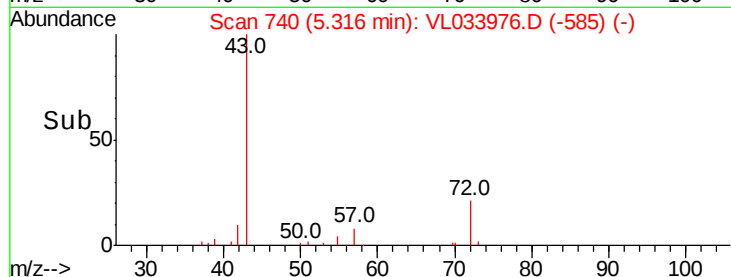
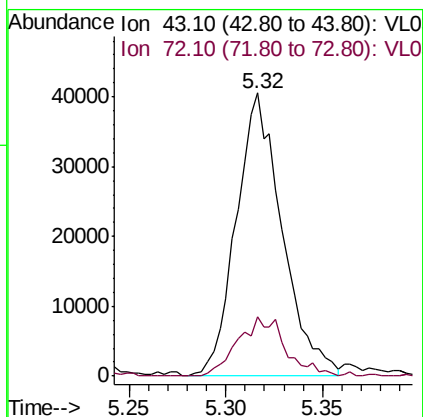
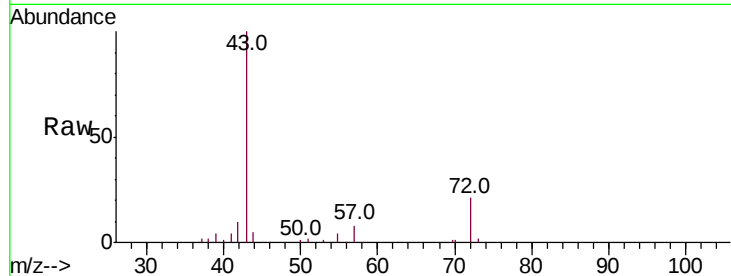
#34
2-Butanone
Concen: 0.630 ppbv
RT: 5.32 min Scan# 740
Delta R.T. -0.00 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

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

Tot Ion: 43 Resp: 67019
Ion Ratio Lower Upper
43 100
72 22.0 17.9 26.9

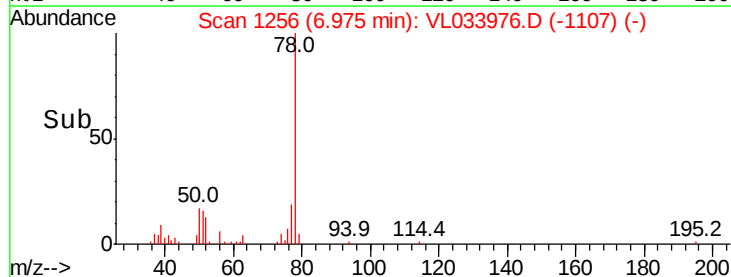
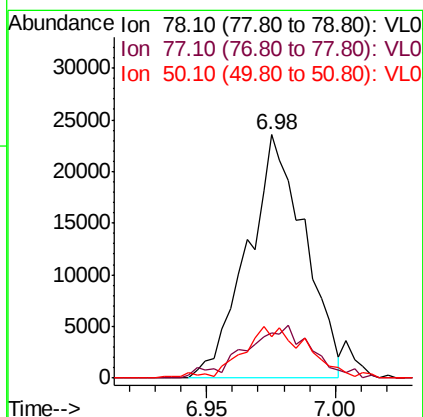
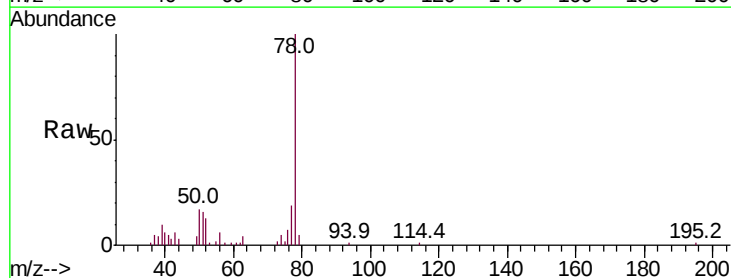
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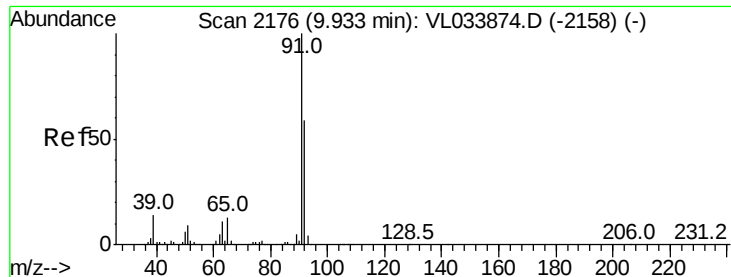
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#36
Benzene
Concen: 0.253 ppbv
RT: 6.98 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

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#





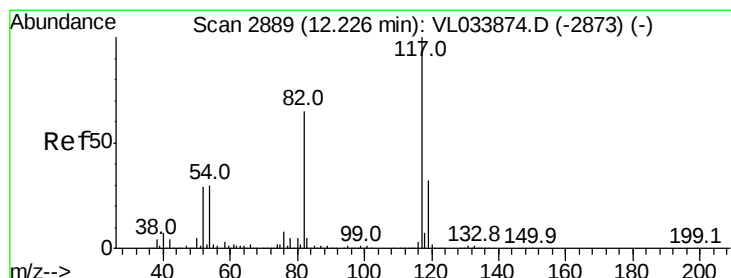
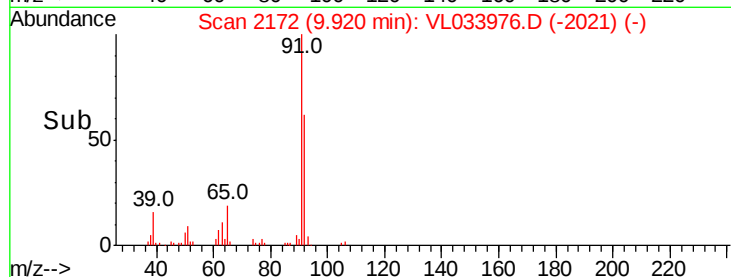
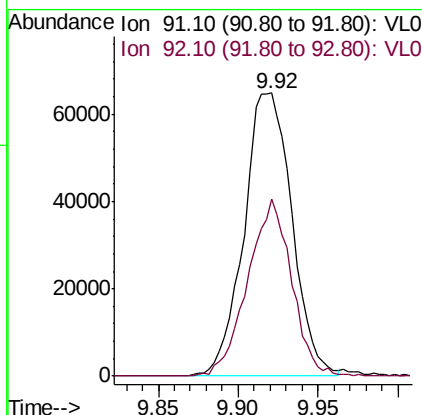
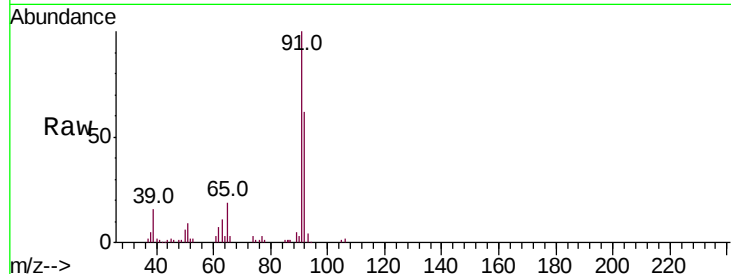
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Toluene
Concen: 0.836 ppbv
RT: 9.92 min Scan# 2172
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

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

Tot Ion: 91 Resp: 133365
Ion Ratio Lower Upper
91 100
92 57.0 47.0 70.6

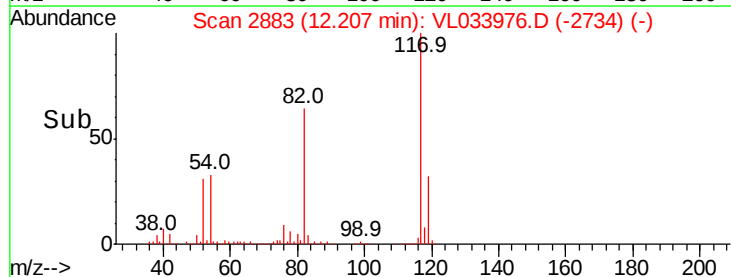
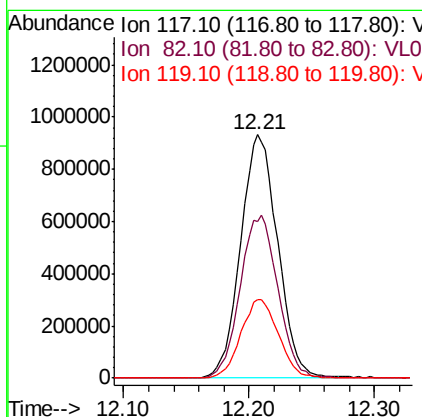
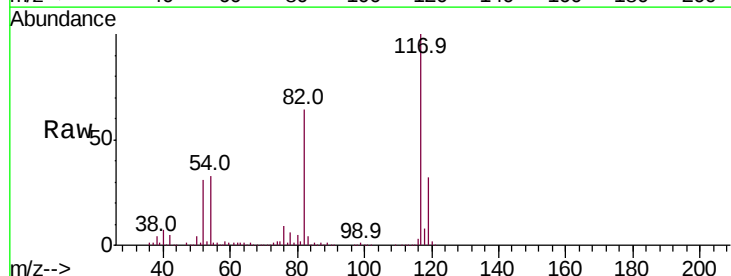
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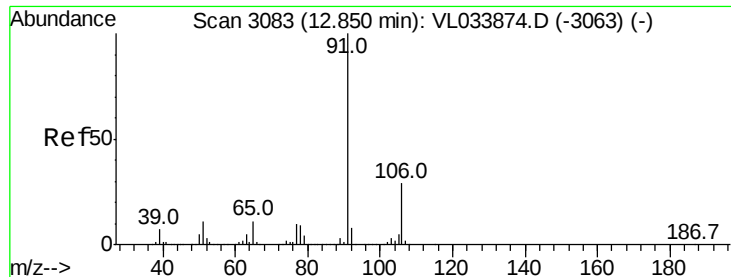
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2883
Delta R.T. -0.02 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

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

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1DL2

Tot Ion: 91 Resp: 40398

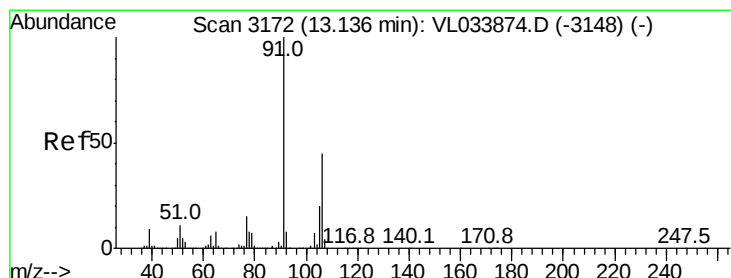
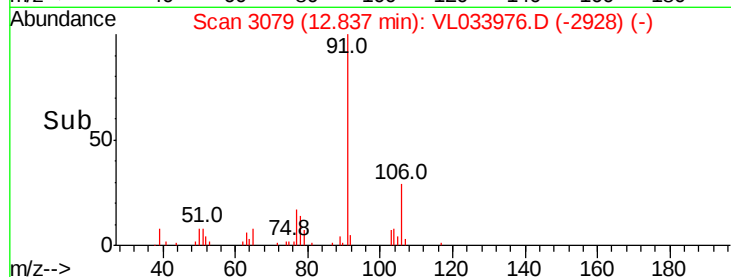
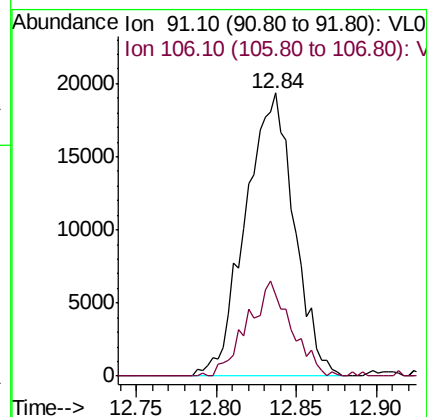
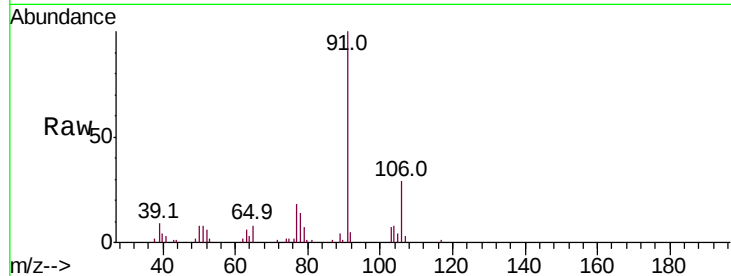
Ion Ratio Lower Upper

91 100

106 32.2 23.0 34.6

Manual Integrations
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#59

m/p-Xylene

Concen: 0.978 ppbv

RT: 13.09 min Scan# 3159

Delta R.T. -0.04 min

Lab File: VL033976.D

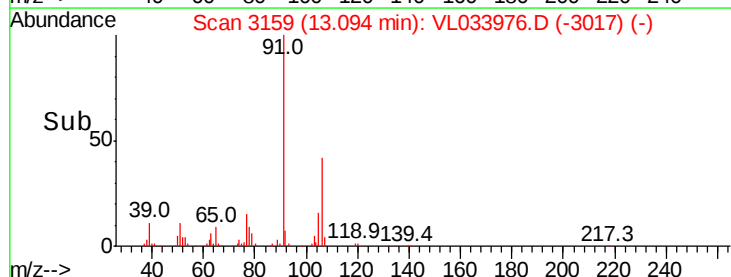
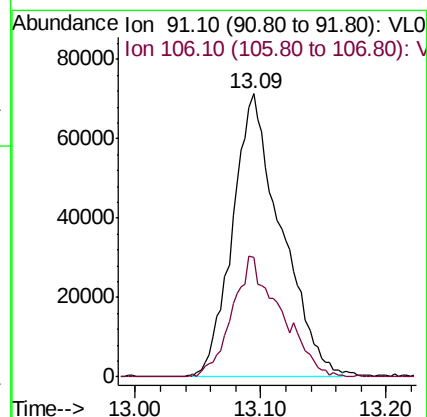
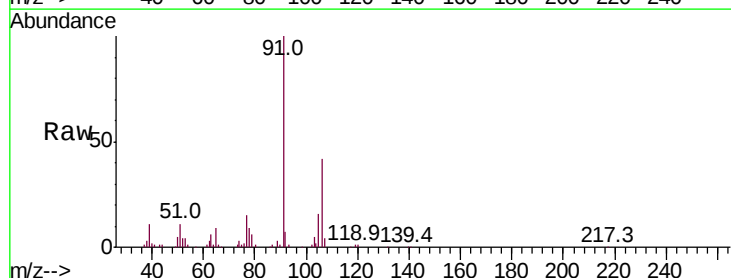
Acq: 26 Jun 2019 20:38

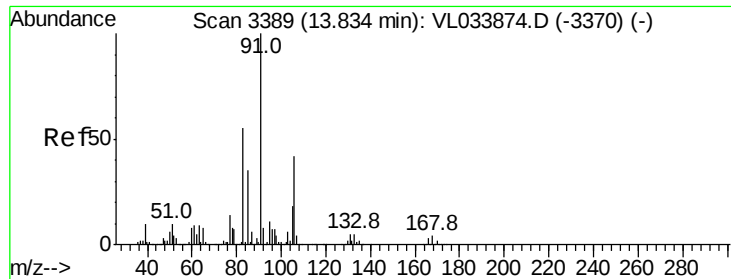
Tgt Ion: 91 Resp: 192145

Ion Ratio Lower Upper

91 100

106 42.4 35.8 53.8





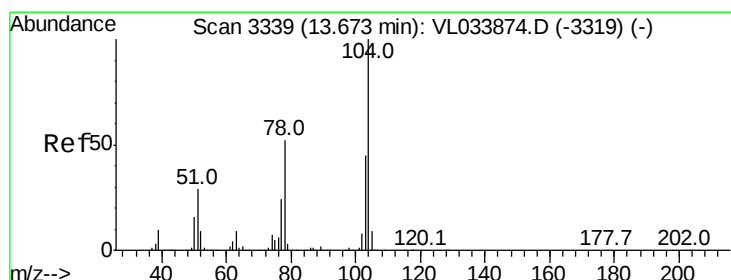
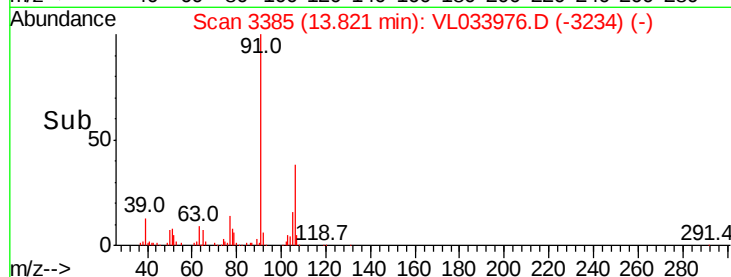
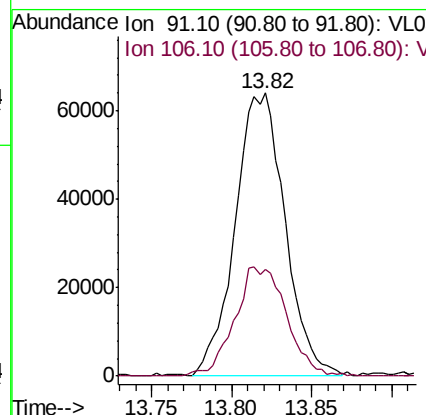
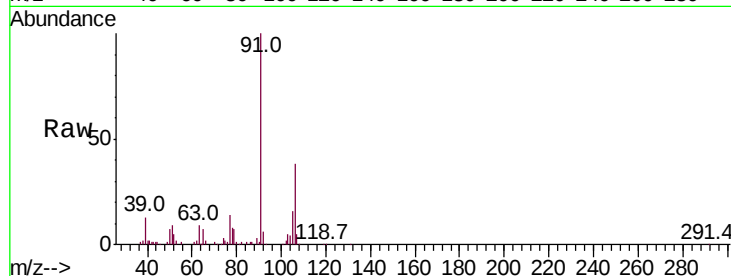
#60
o-Xylene
Concen: 0.671 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL033976.D
Acq: 26 Jun 2019 20:38

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

Tot Ion: 91 Resp: 136267
Ion Ratio Lower Upper
91 100
106 40.2 21.7 65.1

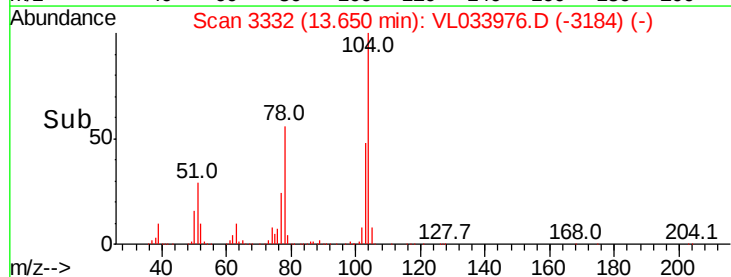
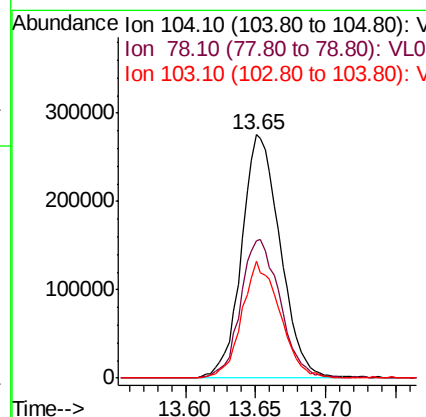
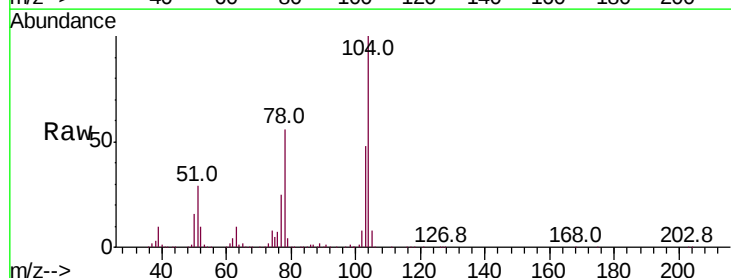
Manual Integrations
APPROVED

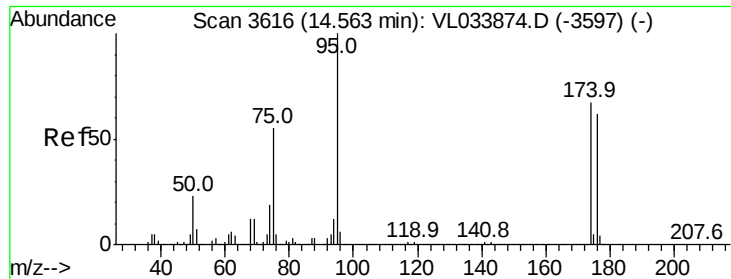
MMDadoda
6/27/2019 3:01:28 PM



#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

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

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

Tot Ion: 95 Resp: 1706010
 Ion Ratio Lower Upper
 95 100
 174 65.8 54.0 81.0
 175 4.6 3.8 5.8

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 3:01:28 PM

