

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062619\
 Data File : VL033978.D
 Acq On : 26 Jun 2019 21:54
 Operator : SY/AP
 Sample : K3481-07DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 3:01:44 PM

Quant Time: Jun 27 14:52:52 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	780928	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.26	114	1938929	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	1854529	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	1675654	11.00	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.88	43	912332	8.010	ppbv	99
17) tert-Butyl alcohol	4.35	59	69649	0.782	ppbv	97
58) Ethyl Benzene	12.84	91	108633	0.520	ppbv	98
59) m/p-Xylene	13.09	91	457043m	2.404	ppbv	
60) o-Xylene	13.82	91	207055	1.055	ppbv	99
61) Styrene	13.65	104	252608	1.988	ppbv	97

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

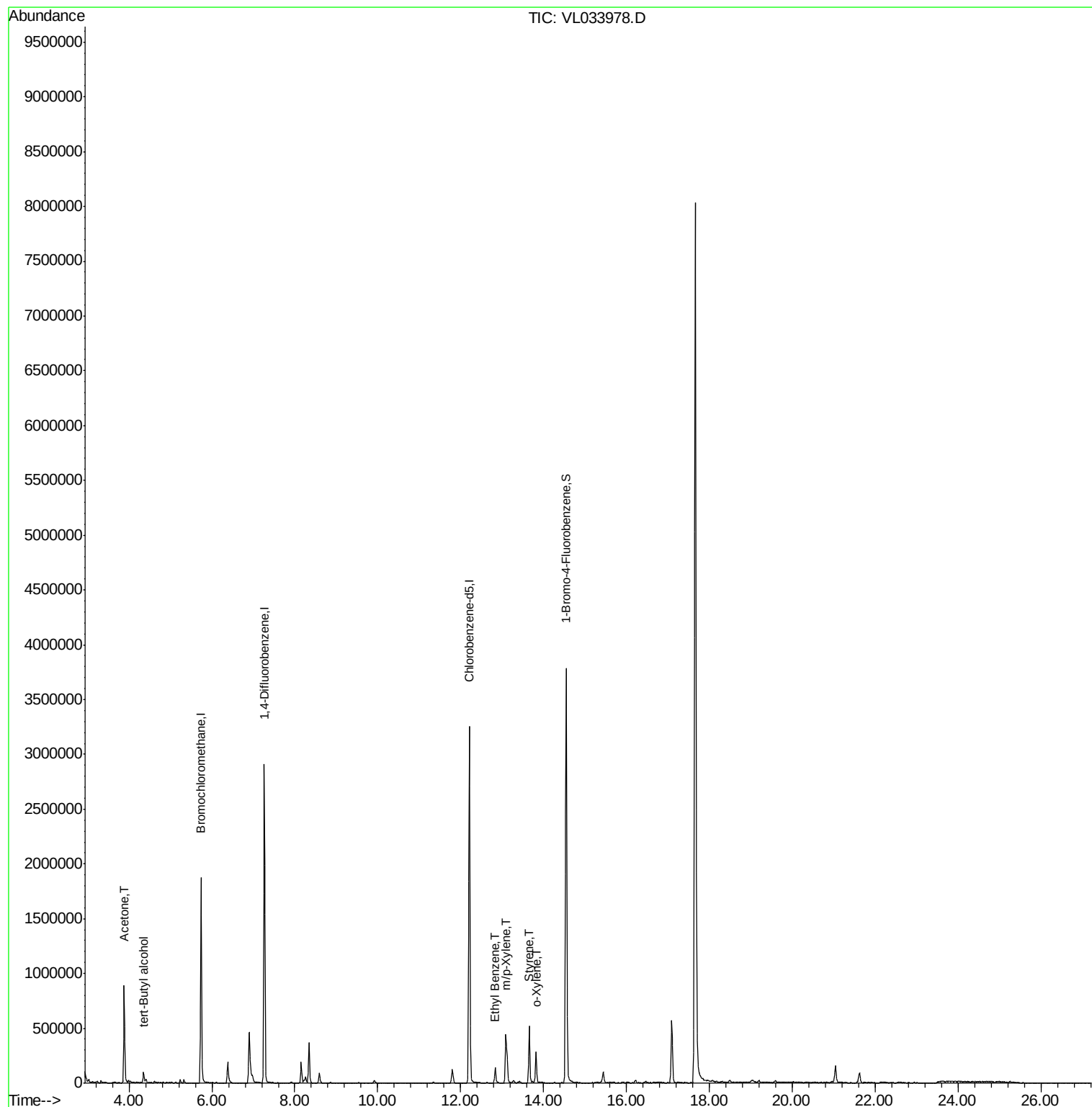
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062619\
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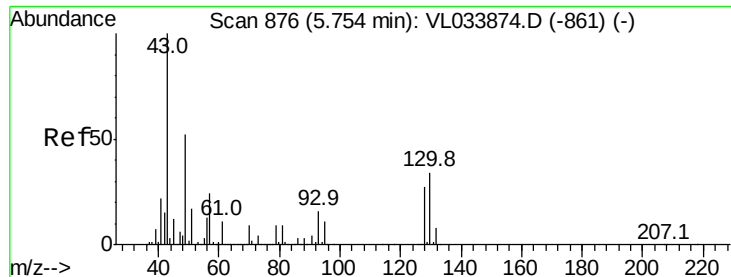
Instrument :
MSVOA_L
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Response via : Initial Calibration





#1

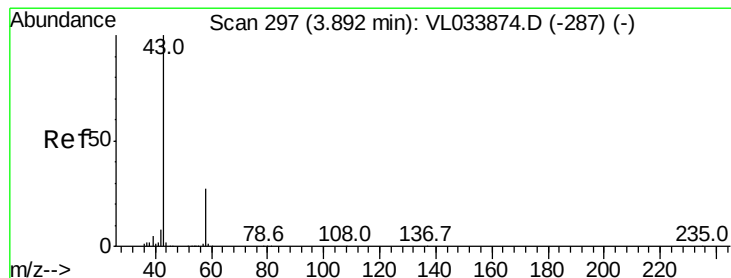
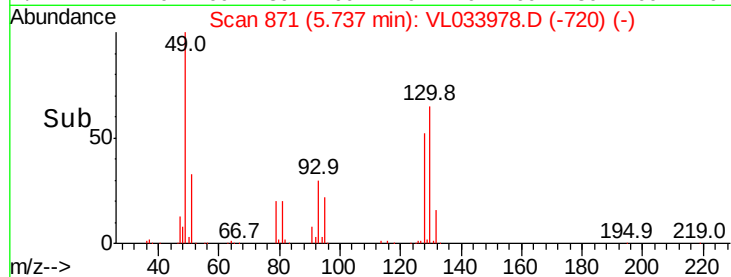
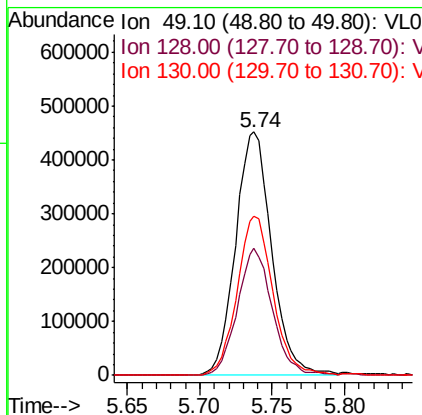
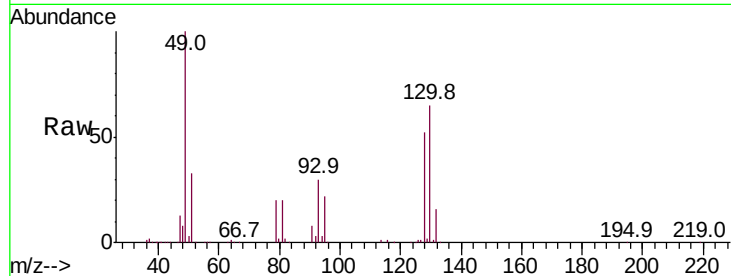
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.74 min Scan# 871
 Delta R.T. -0.02 min
 Lab File: VL033978.D
 Acq: 26 Jun 2019 21:54

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

Tot Ion	Ratio	Lower	Upper
49	100		
128	51.1	25.5	76.5
130	65.7	32.5	97.4

Manual Integrations
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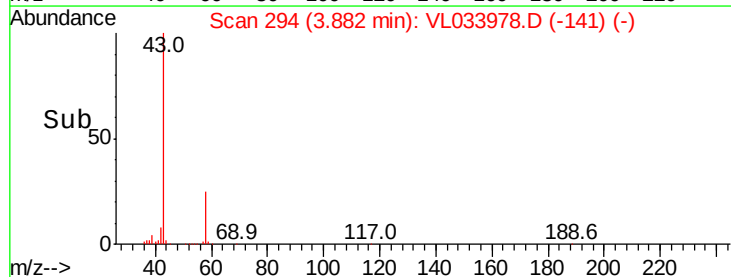
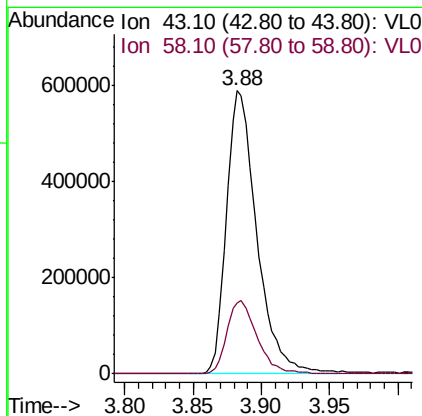
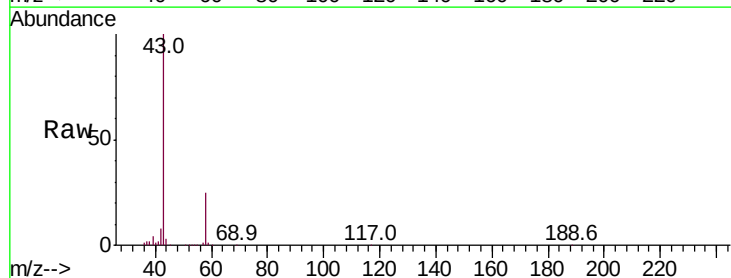
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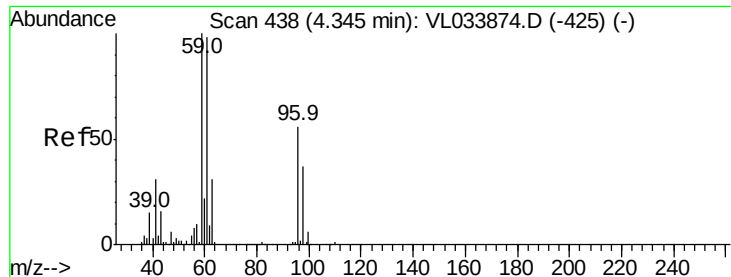


#15

Acetone
 Concen: 8.010 ppbv
 RT: 3.88 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VL033978.D
 Acq: 26 Jun 2019 21:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.3	31.9





#17

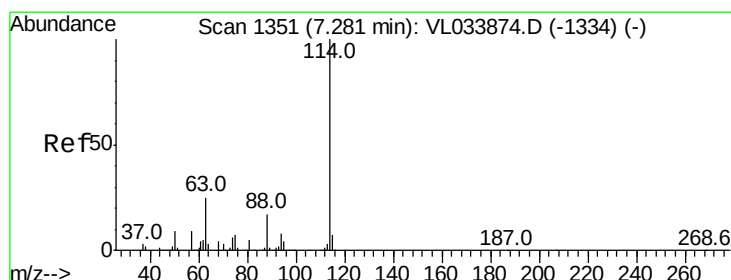
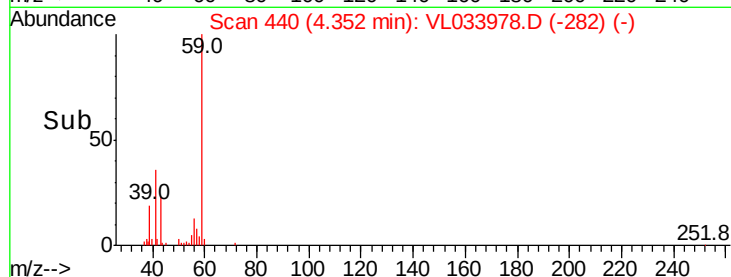
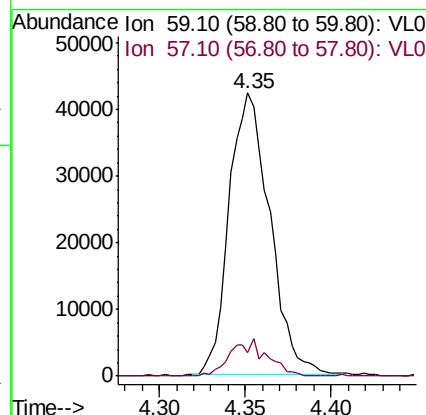
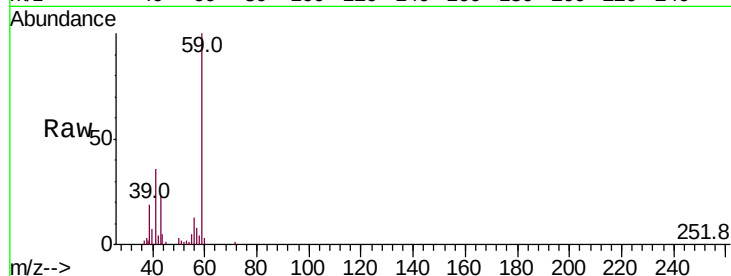
tert-Butyl alcohol
Concen: 0.782 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.01 min
Lab File: VL033978.D
Acq: 26 Jun 2019 21:54

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

Tot Ion	59	Resp	69649
Ion Ratio	100	Lower	Upper
57	11.8	8.4	12.6

Manual Integrations
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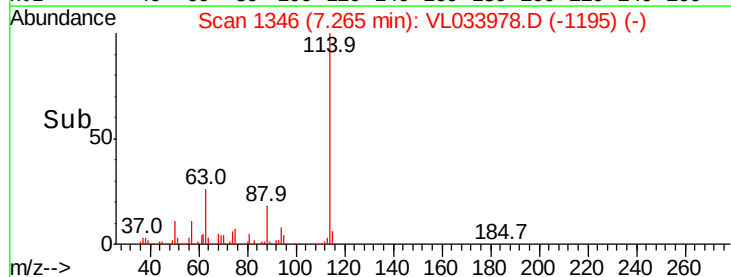
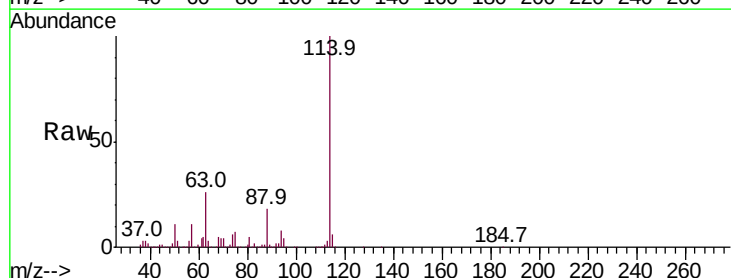
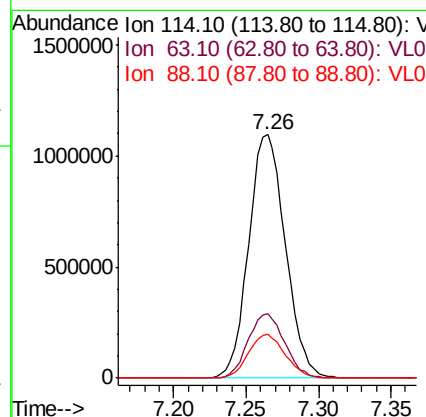
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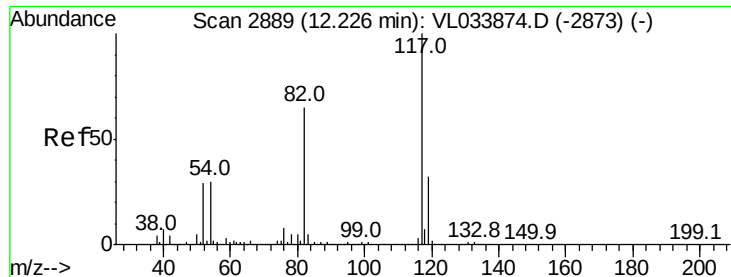


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL033978.D
Acq: 26 Jun 2019 21:54

Tgt Ion	114	Resp	1938929
Ion Ratio	100	Lower	Upper
63	26.4	21.1	31.7
88	17.9	14.2	21.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.21 min Scan# 2883

Delta R.T. -0.02 min

Lab File: VL033978.D

Acq: 26 Jun 2019 21:54

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-D-1DL2

Tot Ion:117 Resp: 1854529

Ion Ratio Lower Upper

117 100

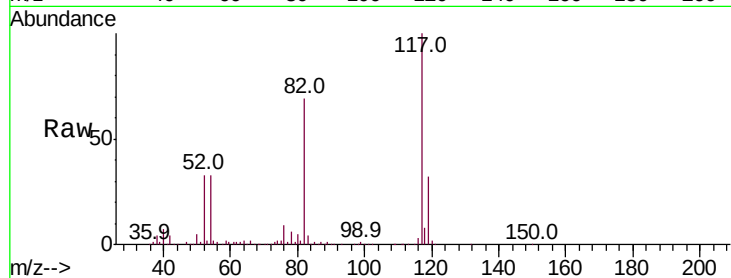
82 68.1 50.2 75.2

119 32.7 24.8 37.2

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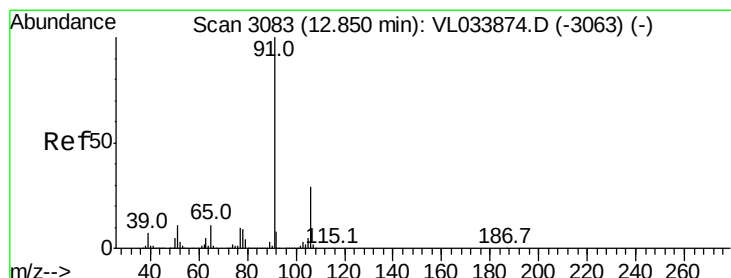
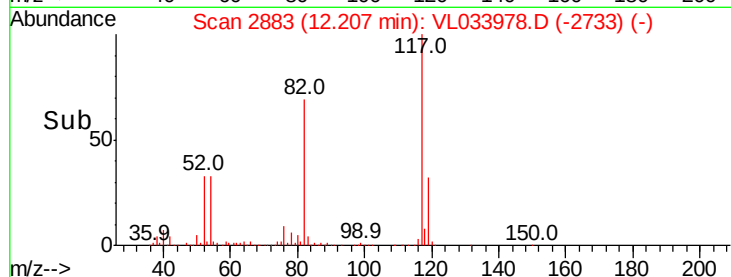
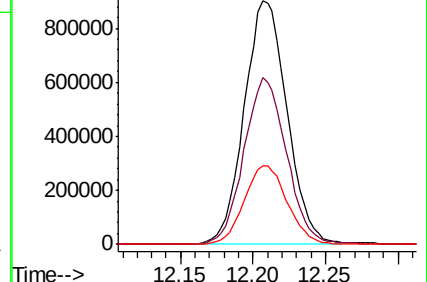
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.520 ppbv

RT: 12.84 min Scan# 3079

Delta R.T. -0.01 min

Lab File: VL033978.D

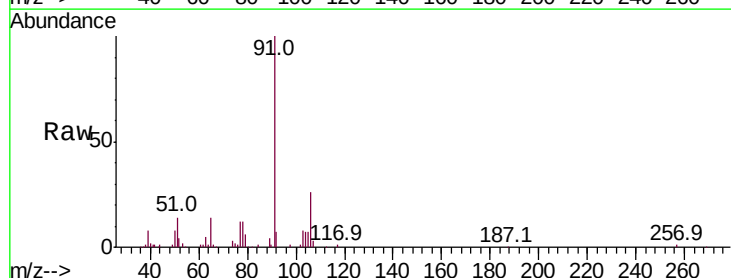
Acq: 26 Jun 2019 21:54

Tgt Ion: 91 Resp: 108633

Ion Ratio Lower Upper

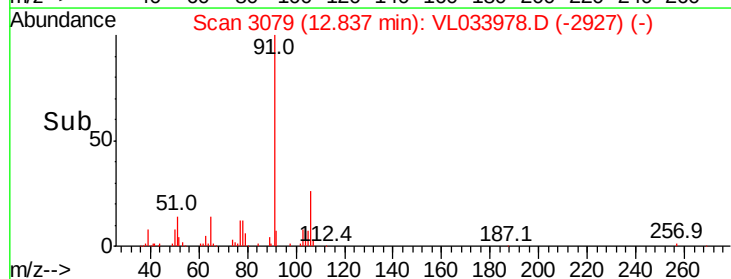
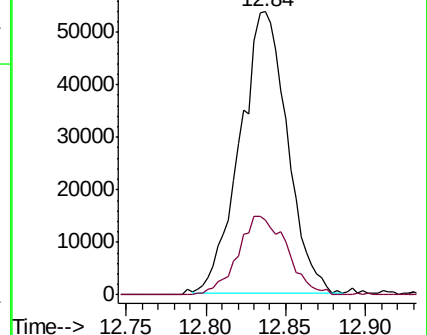
91 100

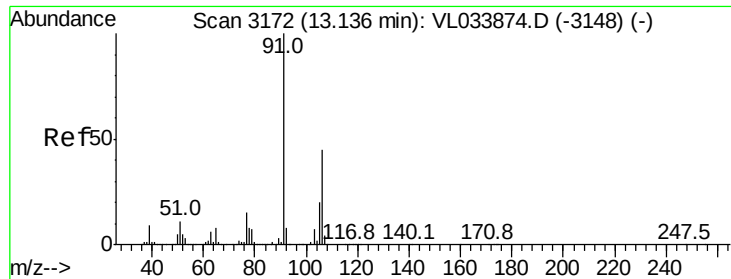
106 29.7 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





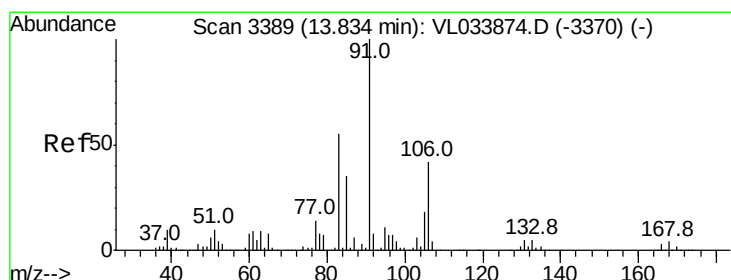
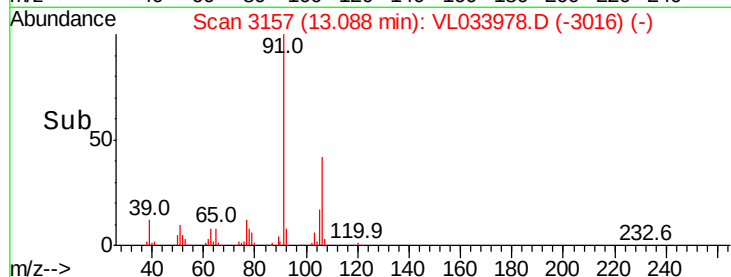
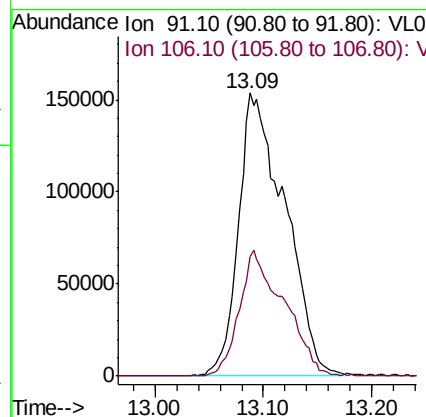
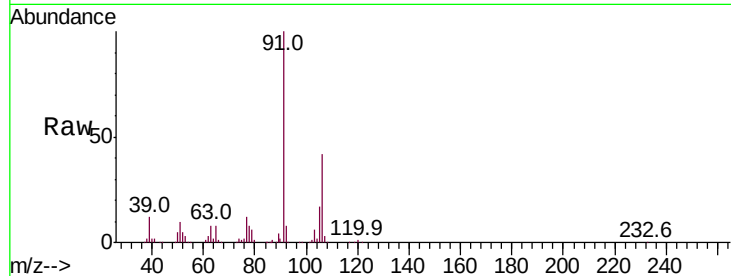
#59
m/p-Xylene
Concen: 2.404 ppbv m
RT: 13.09 min Scan# 3157
Delta R.T. -0.05 min
Lab File: VL033978.D
Acq: 26 Jun 2019 21:54

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

Tot Ion: 91 Resp: 457043
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.8#

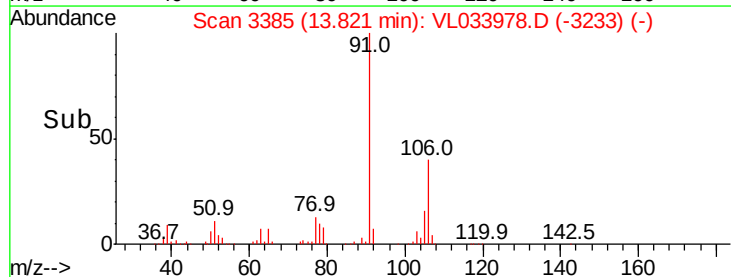
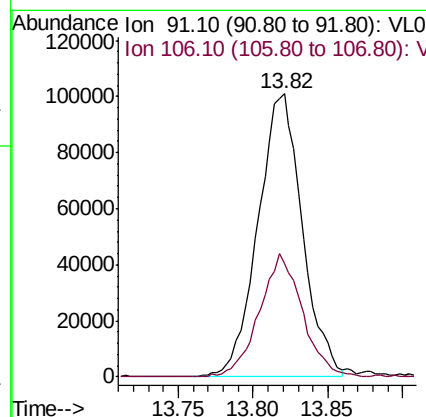
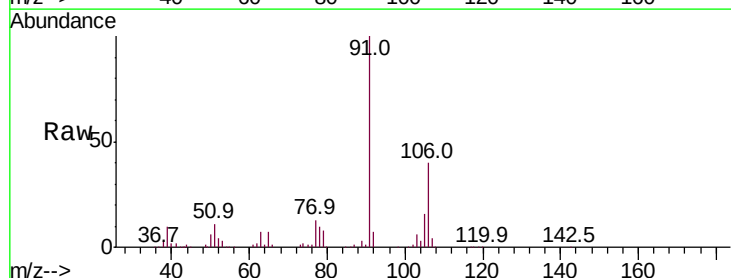
Manual Integrations
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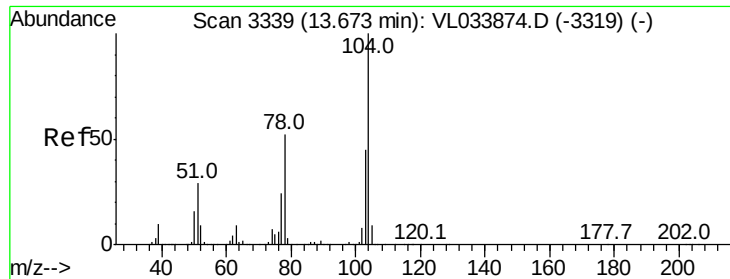
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#60
o-Xylene
Concen: 1.055 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL033978.D
Acq: 26 Jun 2019 21:54

Tgt Ion: 91 Resp: 207055
Ion Ratio Lower Upper
91 100
106 42.6 21.7 65.1





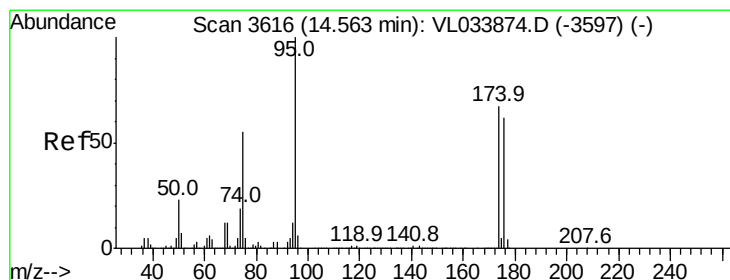
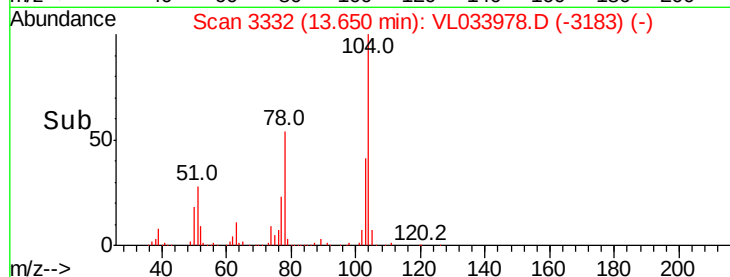
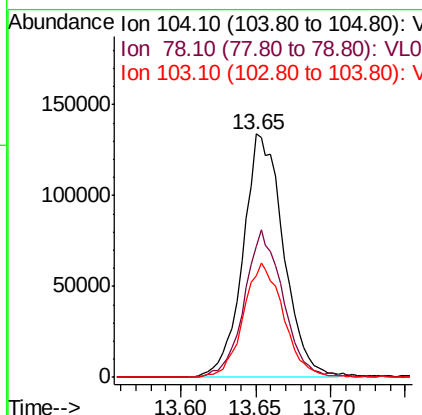
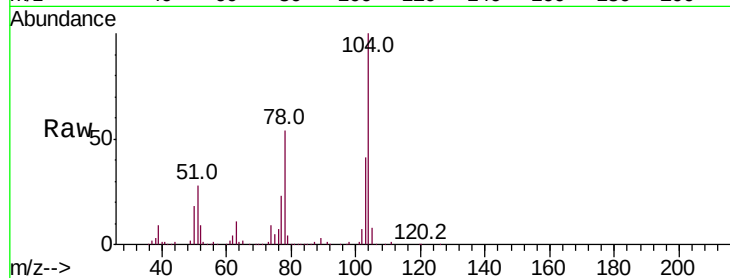
#61
 Stvrene
 Concen: 1.988 ppbv
 RT: 13.65 min Scan# 3332
 Delta R.T. -0.02 min
 Lab File: VL033978.D
 Acq: 26 Jun 2019 21:54

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.3	43.4	65.0
103	46.9	37.6	56.4

Manual Integrations
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.000 ppbv
 RT: 14.54 min Scan# 3610
 Delta R.T. -0.02 min
 Lab File: VL033978.D
 Acq: 26 Jun 2019 21:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.6	54.0	81.0
175	4.7	3.8	5.8

