

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062619\
 Data File : VL033975.D
 Acq On : 26 Jun 2019 20:00
 Operator : SY/AP
 Sample : K3481-01DL2 40X
 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 3:01:23 PM

Quant Time: Jun 27 05:46:03 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	836246	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.26	114	2022863	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	2043343	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	1816134	10.82	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.22	43	30803	0.331	ppbv	# 64
13) Ethanol	3.64	45	16047	1.339	ppbv	91
15) Acetone	3.88	43	3107553	25.479	ppbv	100
17) tert-Butyl alcohol	4.34	59	310518	3.257	ppbv	97
19) Isopropyl Alcohol	4.01	45	16359m	0.235	ppbv	
20) Methylene Chloride	4.39	84	7956	0.167	ppbv	90
34) 2-Butanone	5.31	43	116722	1.023	ppbv	94
36) Benzene	6.98	78	66822	0.432	ppbv	96
53) Toluene	9.92	91	257659	1.507	ppbv	96
58) Ethyl Benzene	12.84	91	74032	0.321	ppbv	95
59) m/p-Xylene	13.09	91	364505	1.740	ppbv	96
60) o-Xylene	13.81	91	231521	1.070	ppbv	97
61) Styrene	13.66	104	926969	6.622	ppbv	98
62) Isopropylbenzene	14.80	105	28827m	0.099	ppbv	

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

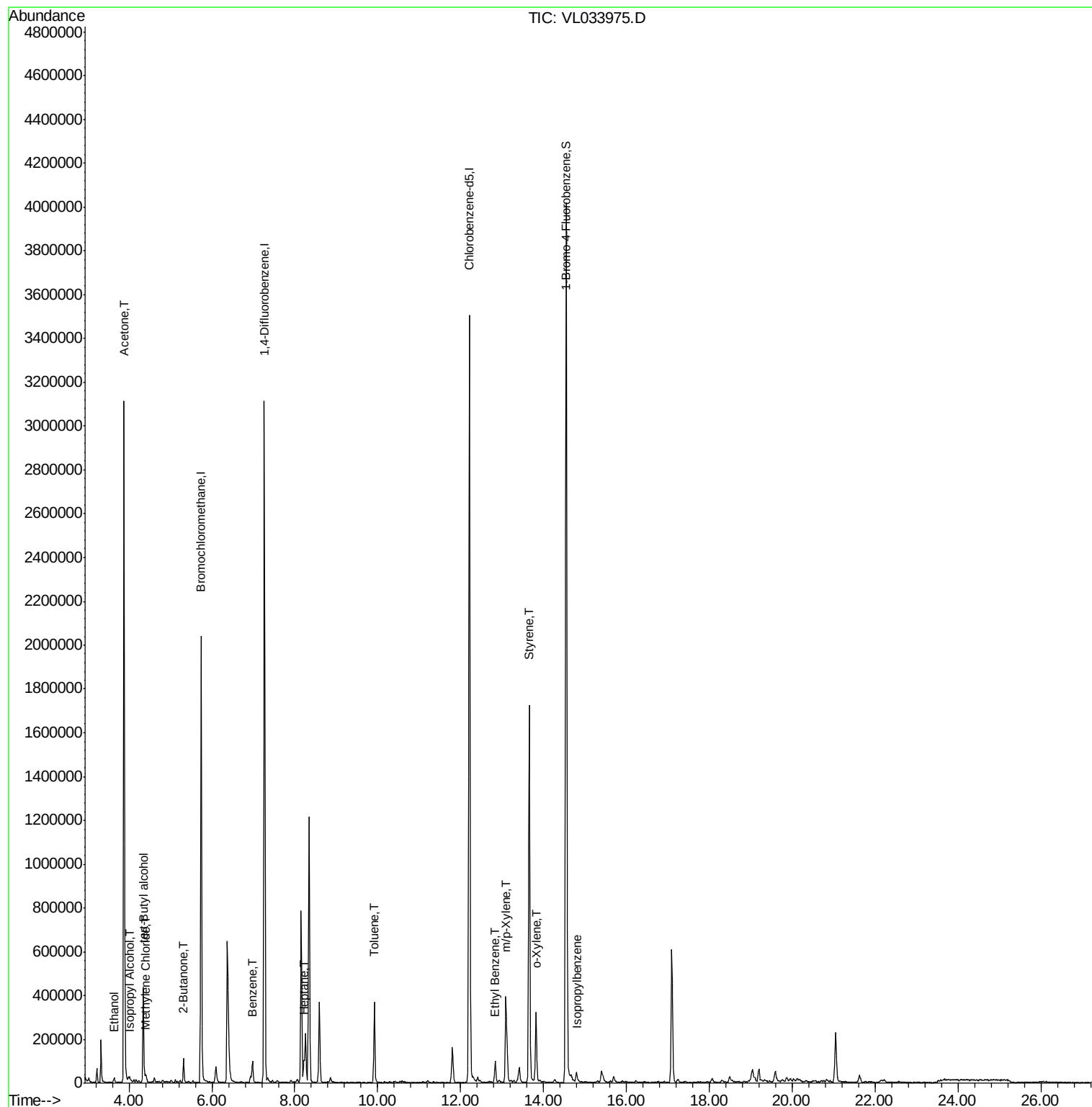
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062619\
Data File : VL033975.D
Acq On : 26 Jun 2019 20:00
Operator : SY/AP
Sample : K3481-01DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

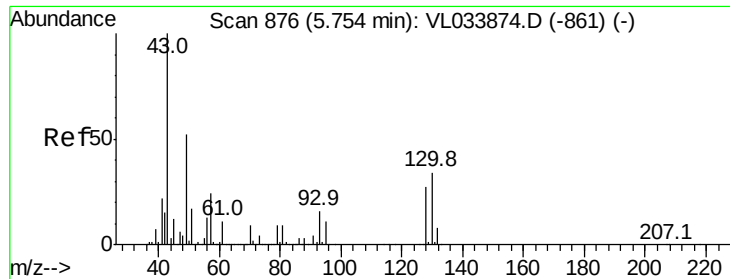
Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL2

Manual Integrations
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6/27/2019 3:01:23 PM

Quant Time: Jun 27 05:46:03 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: VL033975.D

Acq: 26 Jun 2019 20:00

Instrument :

MSVOA_L

ClientSampleId :

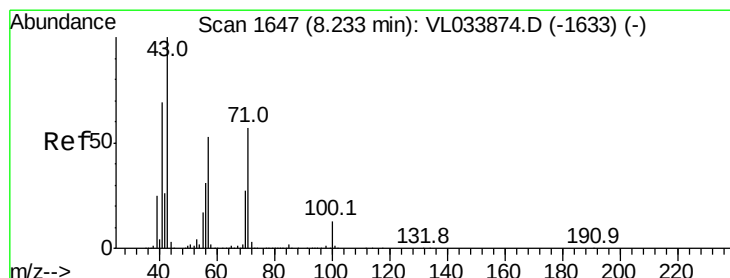
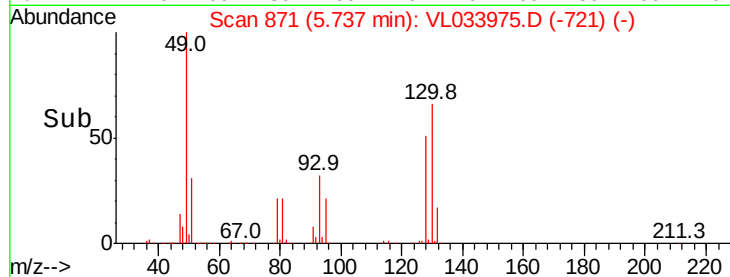
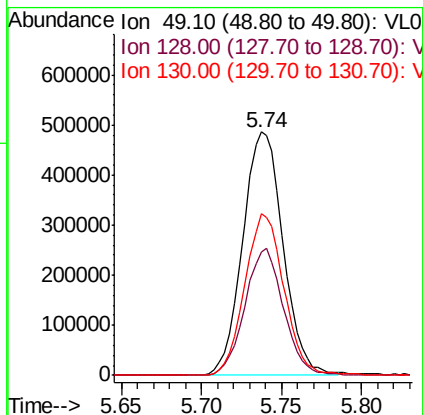
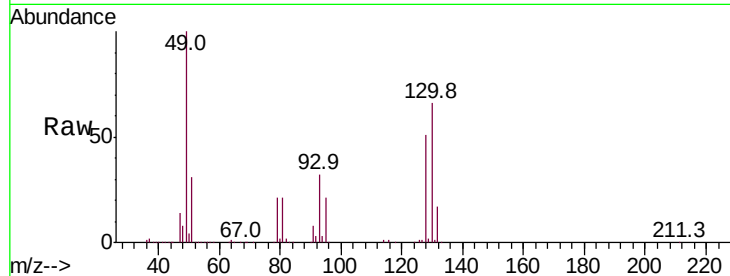
TZC-SSDS-AREA-A-1DL2

Tot Ion: 49 Resp: 836246

Ion	Ratio	Lower	Upper
49	100		
128	50.5	25.5	76.5
130	64.8	32.5	97.4

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#10

Heptane

Concen: 0.331 ppbv

RT: 8.22 min Scan# 1643

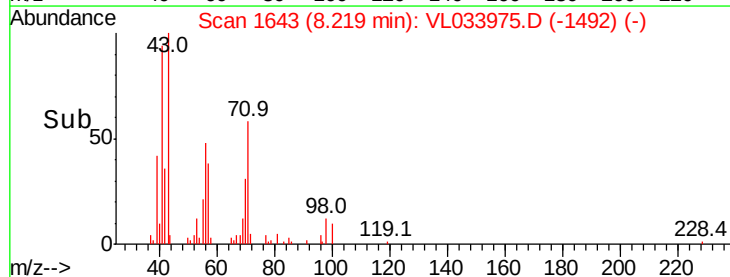
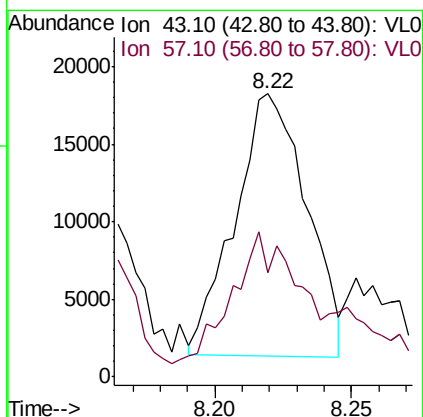
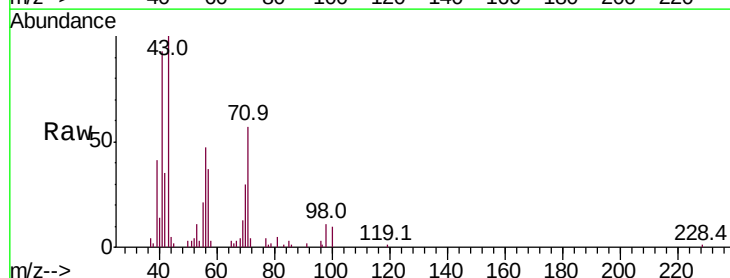
Delta R.T. -0.01 min

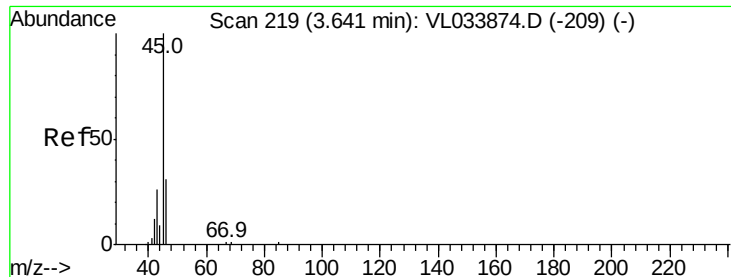
Lab File: VL033975.D

Acq: 26 Jun 2019 20:00

Tgt Ion: 43 Resp: 30803

Ion	Ratio	Lower	Upper
43	100		
57	77.7	41.7	62.5





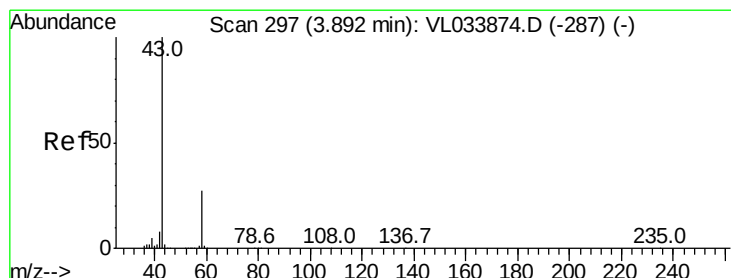
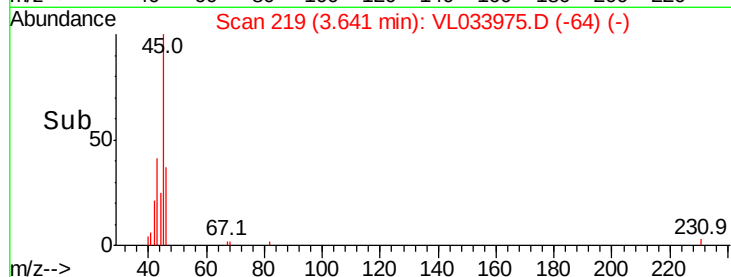
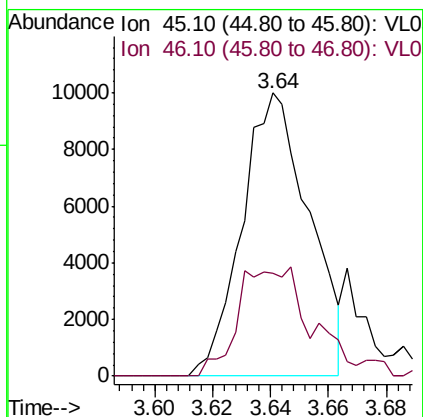
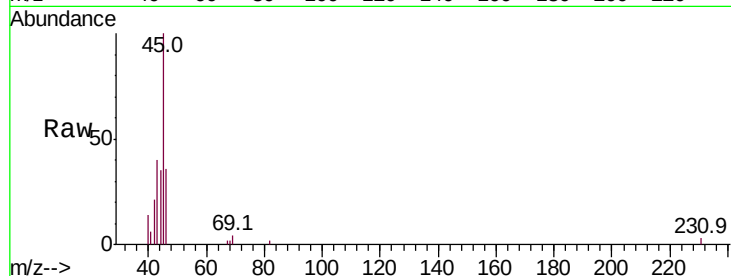
#13
Ethanol
Concen: 1.339 ppbv
RT: 3.64 min Scan# 219
Delta R.T. -0.00 min
Lab File: VL033975.D
Acq: 26 Jun 2019 20:00

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

Tot Ion: 45 Resp: 16047
Ion Ratio Lower Upper
45 100
46 43.4 15.3 61.1

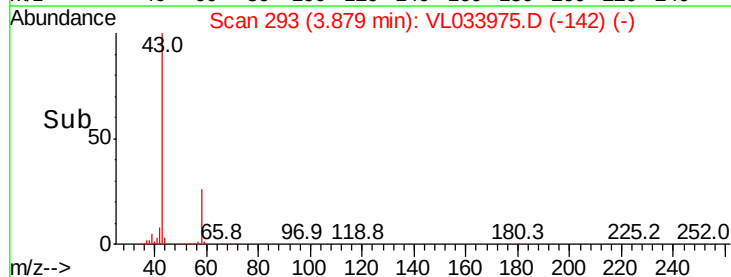
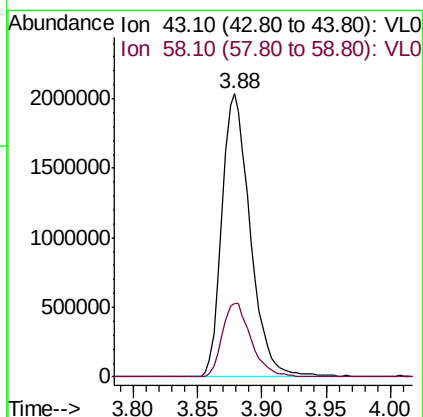
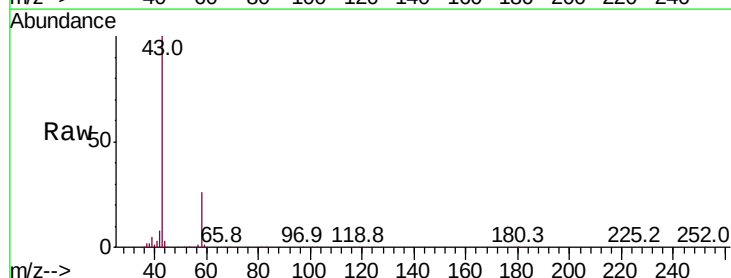
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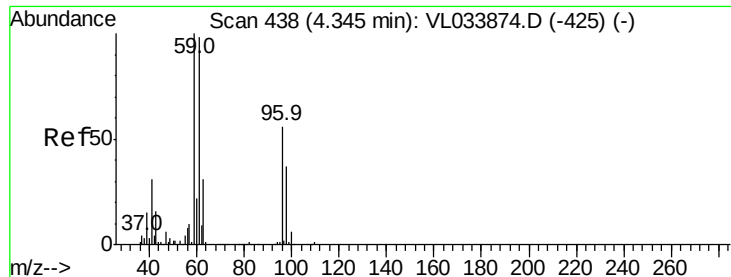
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#15
Acetone
Concen: 25.479 ppbv
RT: 3.88 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL033975.D
Acq: 26 Jun 2019 20:00

Tgt Ion: 43 Resp: 3107553
Ion Ratio Lower Upper
43 100
58 26.8 21.3 31.9





#17

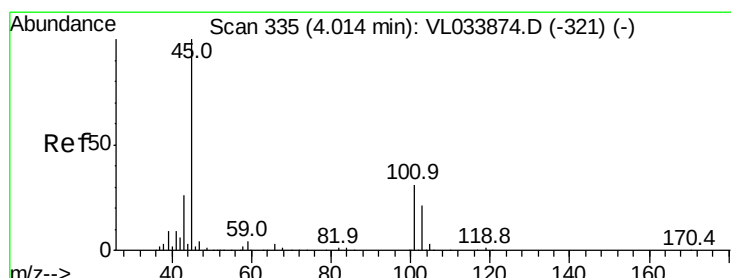
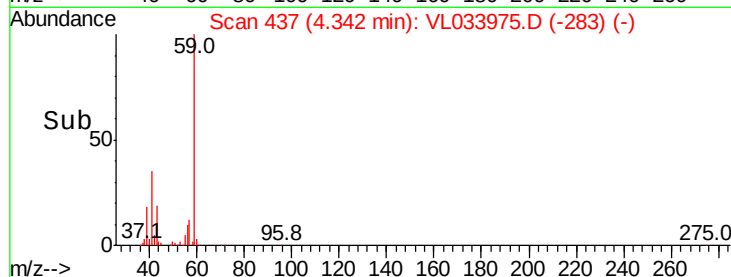
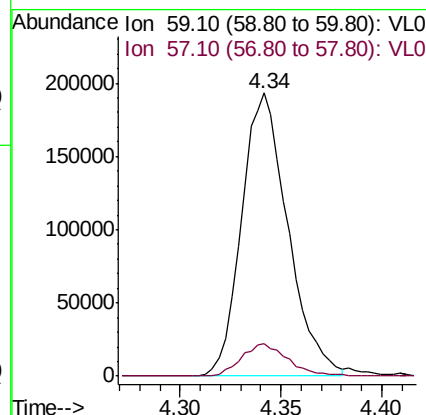
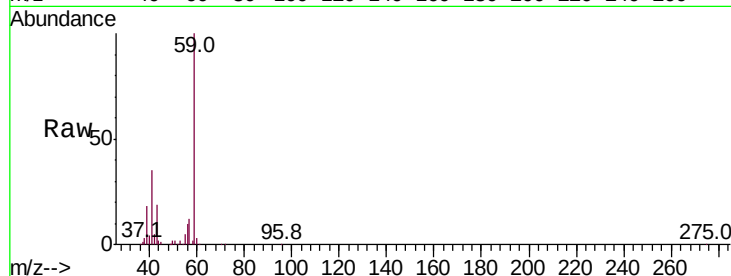
tert-Butyl alcohol
 Concen: 3.257 ppbv
 RT: 4.34 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: VL033975.D
 Acq: 26 Jun 2019 20:00

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

Tot Ion	59	Resp	310518
Ion Ratio	100	Lower	Upper
57	11.5	8.4	12.6

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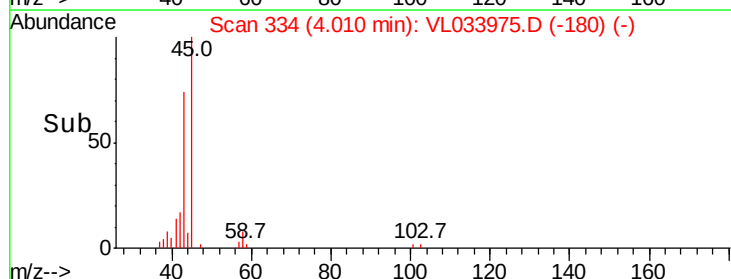
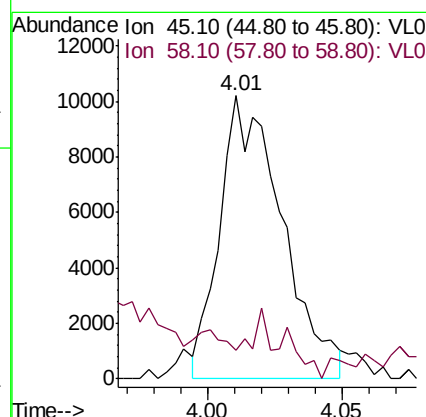
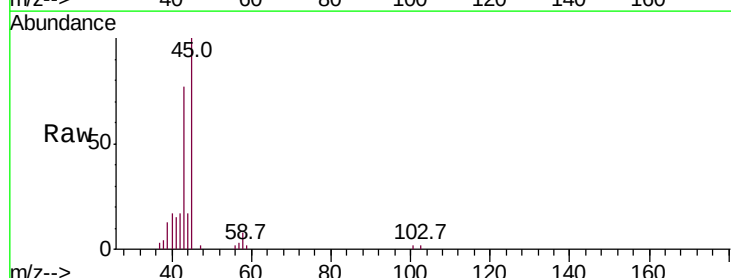
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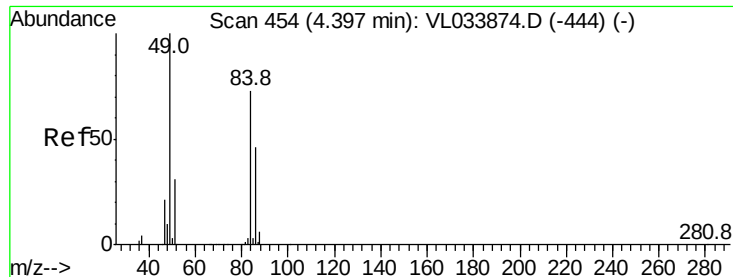


#19

Isopropyl Alcohol
 Concen: 0.235 ppbv m
 RT: 4.01 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VL033975.D
 Acq: 26 Jun 2019 20:00

Tgt Ion	45	Resp	16359
Ion Ratio	100	Lower	Upper
58	0.0	1.8	2.6#





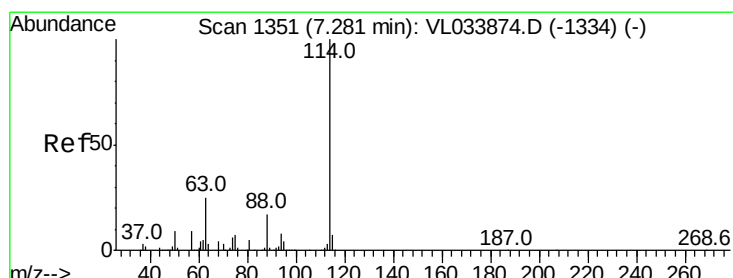
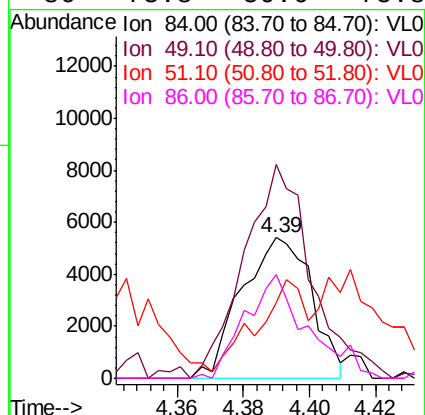
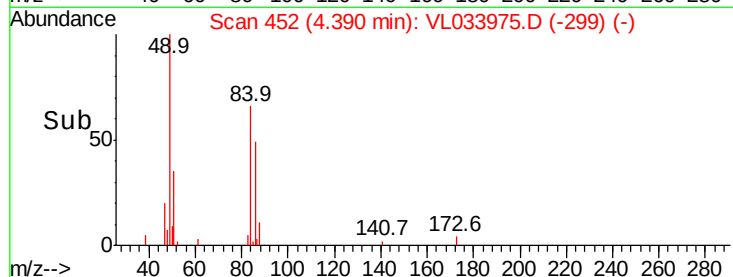
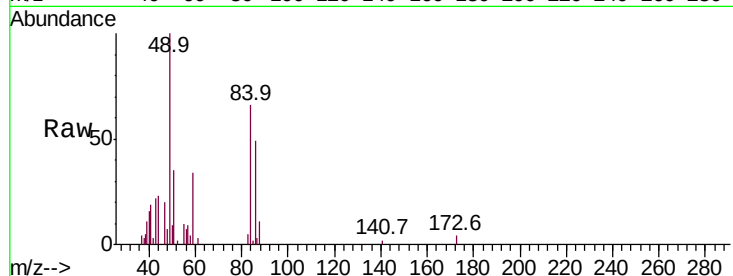
#20
Methvlene Chloride
Concen: 0.167 ppbv
RT: 4.39 min Scan# 452
Delta R.T. -0.01 min
Lab File: VL033975.D
Acq: 26 Jun 2019 20:00

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

Tot Ion	84	Resp:	7956
Ion	Ratio	Lower	Upper
84	100		
49	152.1	110.0	165.0
51	42.7	34.6	51.8
86	73.8	50.6	75.8

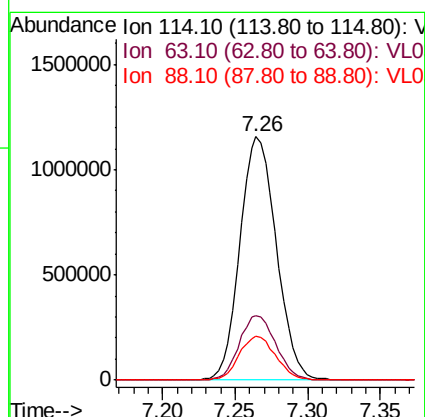
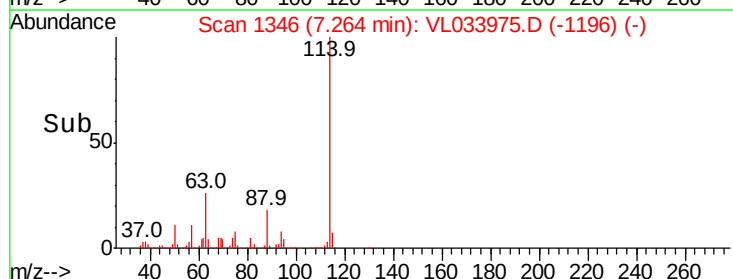
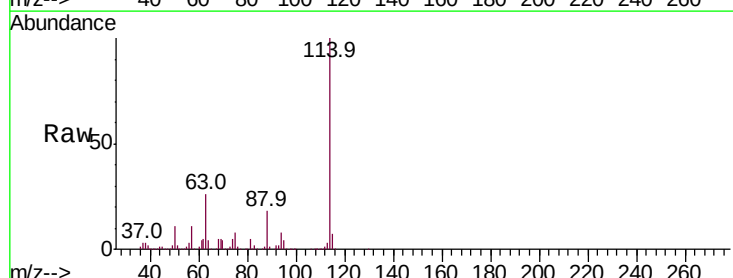
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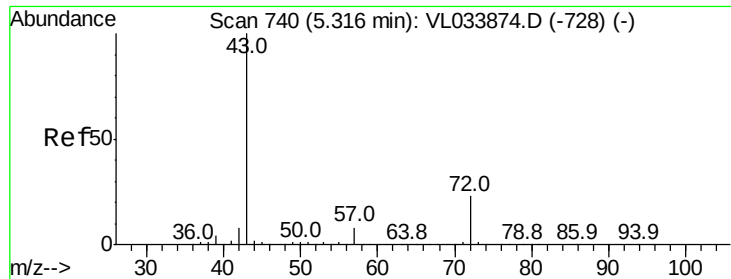
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL033975.D
Acq: 26 Jun 2019 20:00

Tgt Ion	114	Resp:	2022863
Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.1	31.7
88	18.0	14.2	21.4





#34

2-Butanone

Concen: 1.023 ppbv

RT: 5.31 min Scan# 739

Delta R.T. -0.00 min

Lab File: VL033975.D

Acq: 26 Jun 2019 20:00

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1DL2

Tot Ion: 43 Resp: 116722

Ion Ratio Lower Upper

43 100

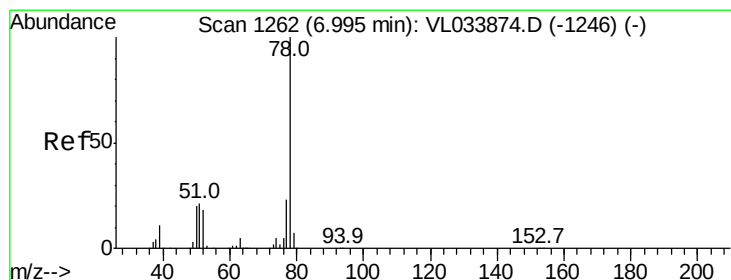
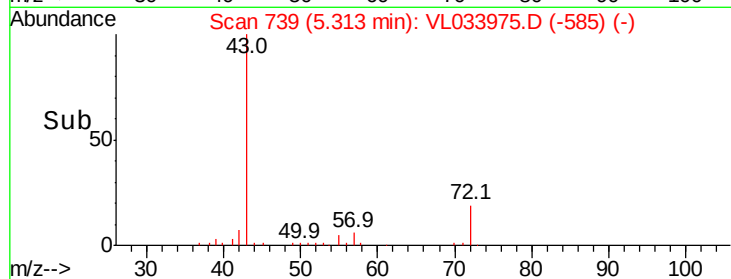
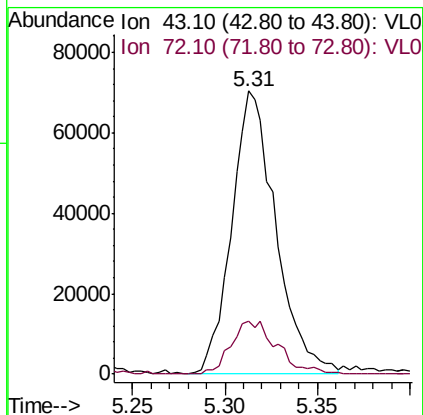
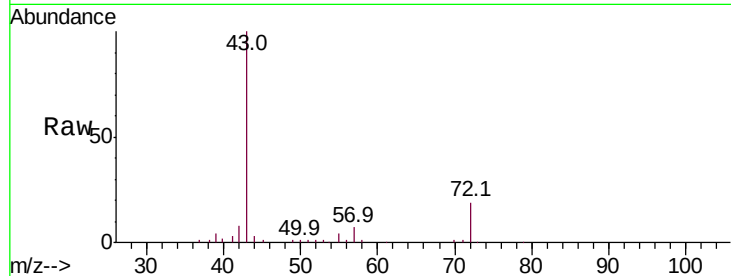
72 19.6 17.9 26.9

Manual Integrations

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#36

Benzene

Concen: 0.432 ppbv

RT: 6.98 min Scan# 1257

Delta R.T. -0.02 min

Lab File: VL033975.D

Acq: 26 Jun 2019 20:00

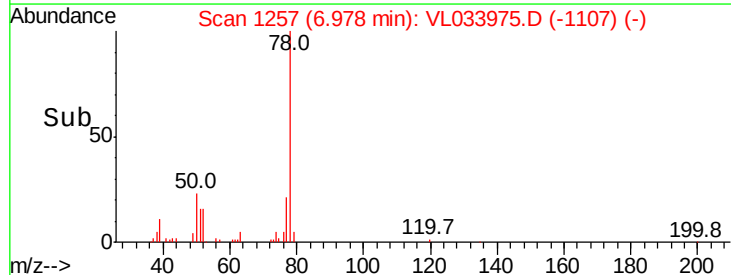
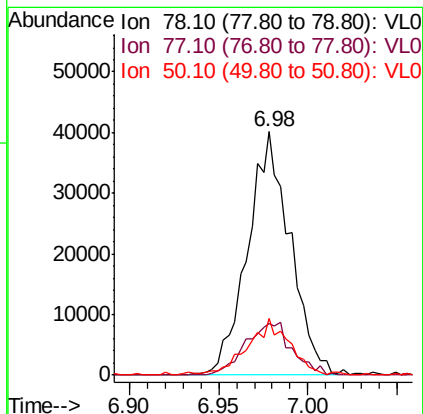
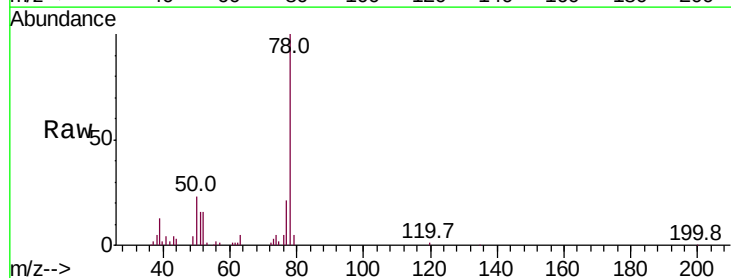
Tgt Ion: 78 Resp: 66822

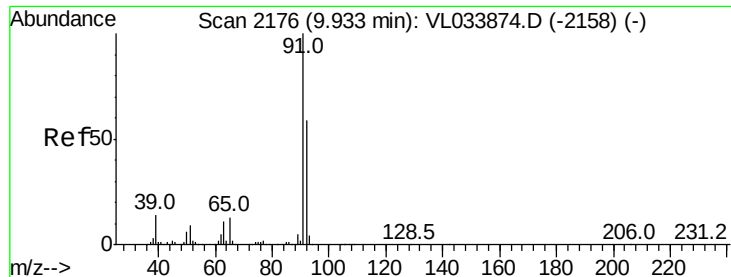
Ion Ratio Lower Upper

78 100

77 21.1 18.2 27.2

50 22.4 15.9 23.9





#53

Toluene

Concen: 1.507 ppbv

RT: 9.92 min Scan# 2172

Delta R.T. -0.01 min

Lab File: VL033975.D

Acq: 26 Jun 2019 20:00

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1DL2

Tot Ion: 91 Resp: 257659

Ion Ratio Lower Upper

91 100

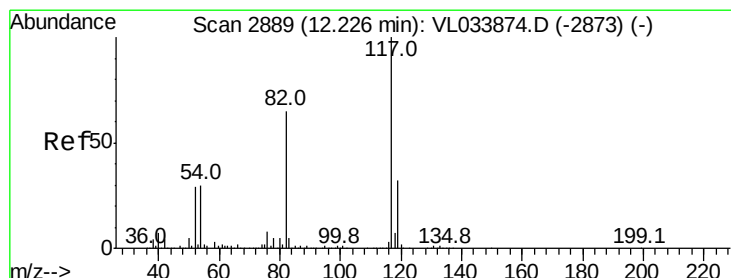
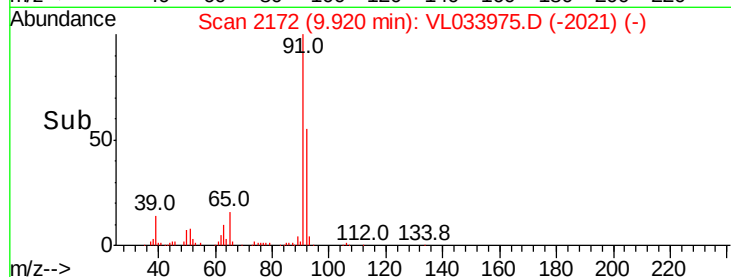
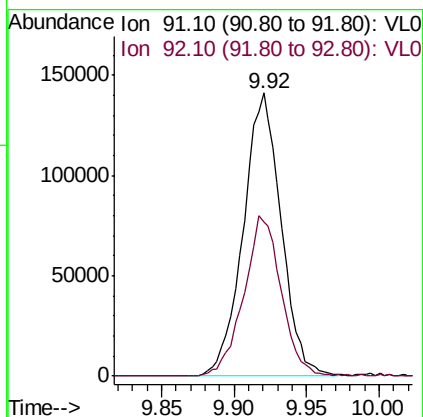
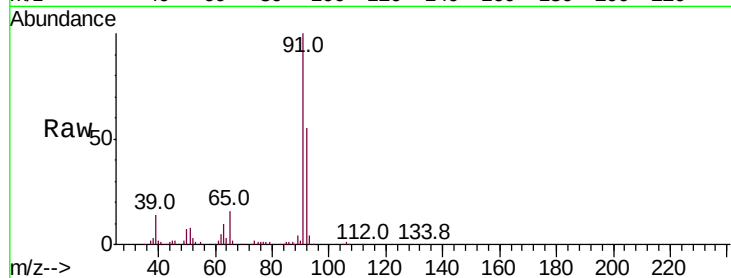
92 55.9 47.0 70.6

Manual Integrations

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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: VL033975.D

Acq: 26 Jun 2019 20:00

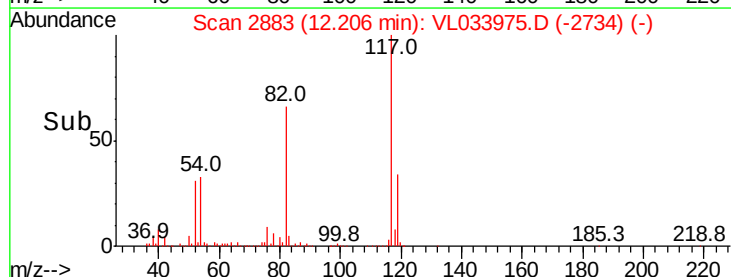
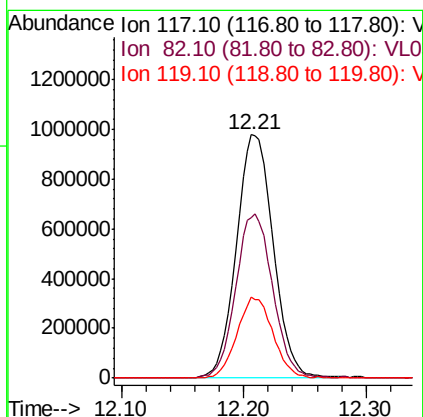
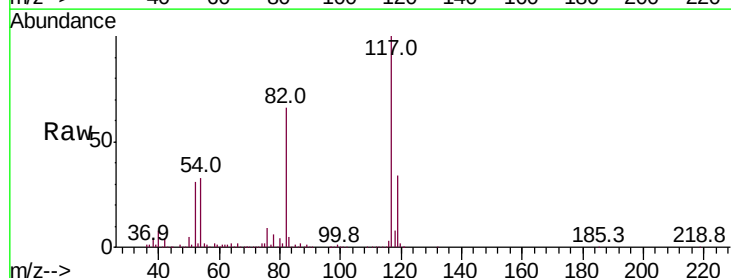
Tgt Ion: 117 Resp: 2043343

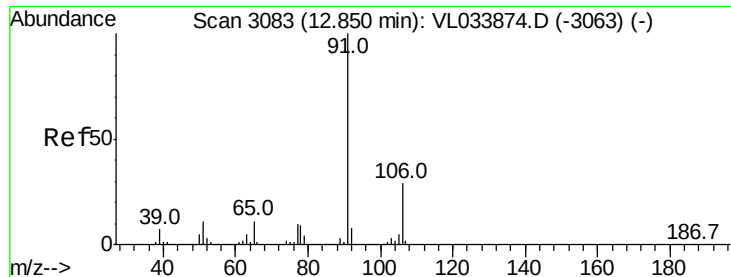
Ion Ratio Lower Upper

117 100

82 68.4 50.2 75.2

119 32.6 24.8 37.2





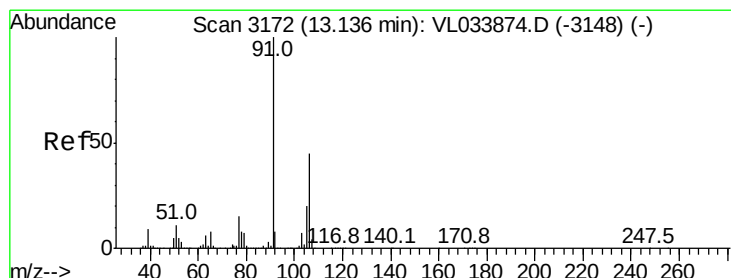
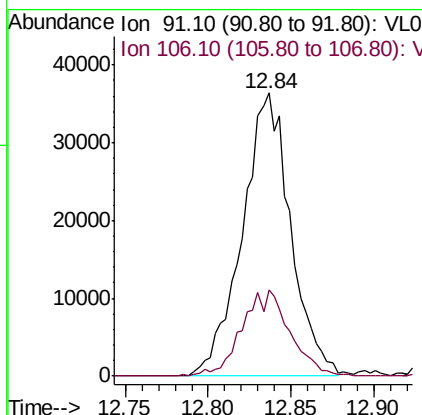
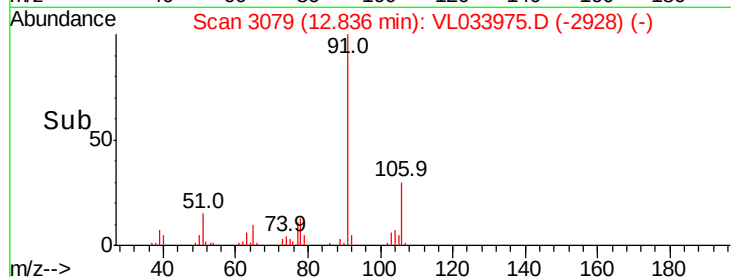
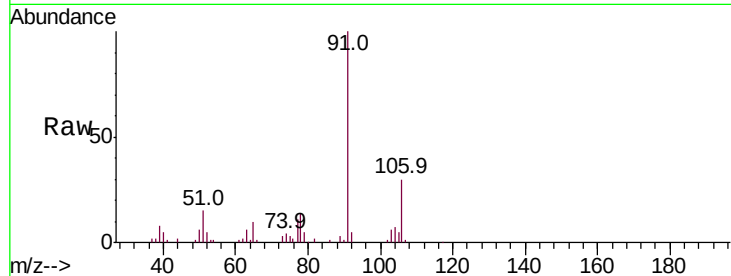
#58
Ethyl Benzene
Concen: 0.321 ppbv
RT: 12.84 min Scan# 3079
Delta R.T. -0.01 min
Lab File: VL033975.D
Acq: 26 Jun 2019 20:00

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

Tot Ion: 91 Resp: 74032
Ion Ratio Lower Upper
91 100
106 31.4 23.0 34.6

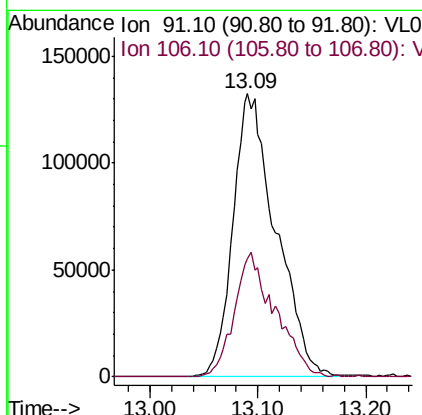
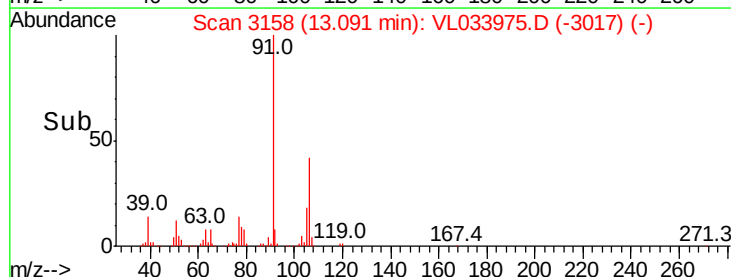
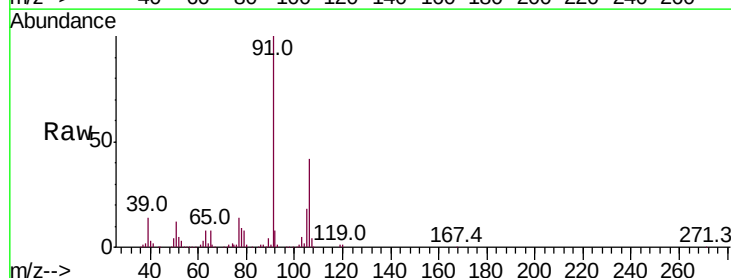
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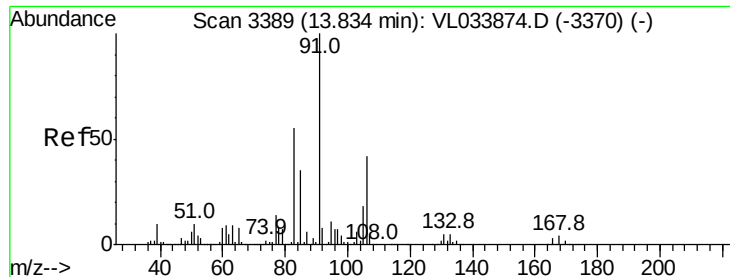
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#59
m/p-Xylene
Concen: 1.740 ppbv
RT: 13.09 min Scan# 3158
Delta R.T. -0.05 min
Lab File: VL033975.D
Acq: 26 Jun 2019 20:00

Tgt Ion: 91 Resp: 364505
Ion Ratio Lower Upper
91 100
106 42.4 35.8 53.8





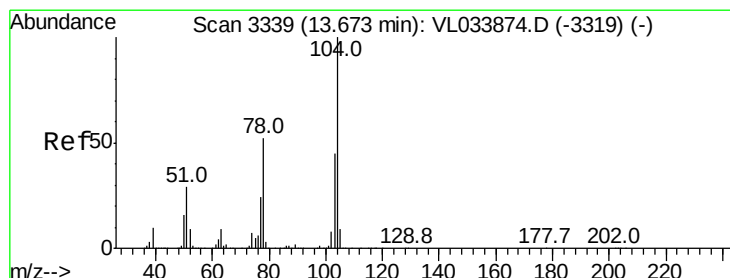
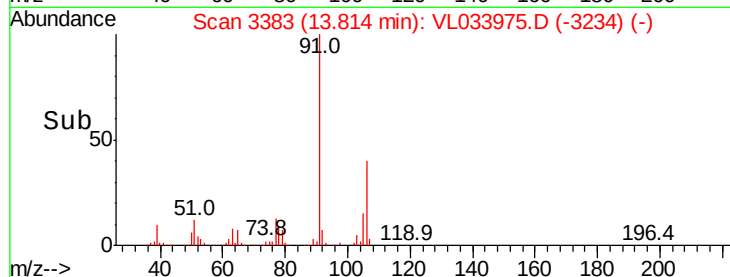
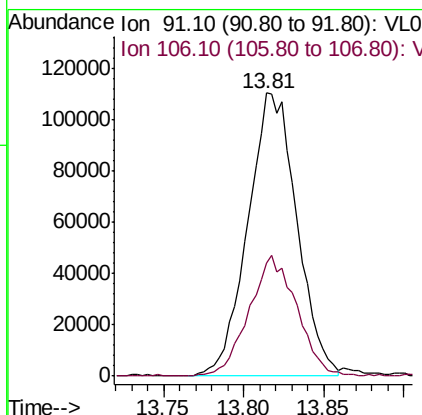
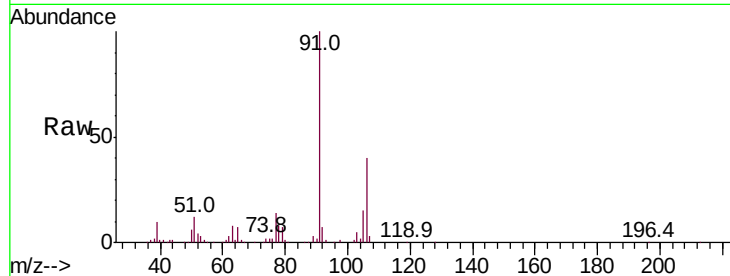
#60
o-Xylene
Concen: 1.070 ppbv
RT: 13.81 min Scan# 3383
Delta R.T. -0.02 min
Lab File: VL033975.D
Acq: 26 Jun 2019 20:00

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

Tot Ion: 91 Resp: 231521
Ion Ratio Lower Upper
91 100
106 41.7 21.7 65.1

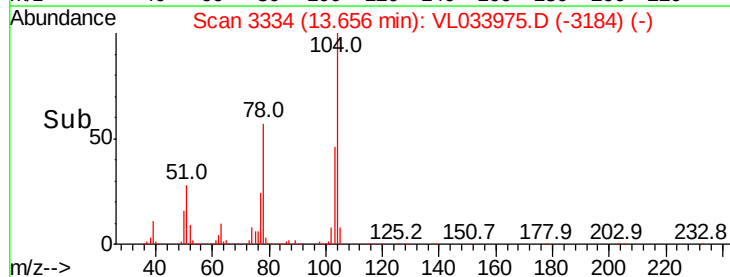
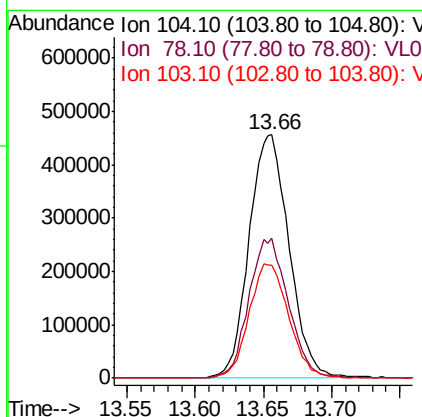
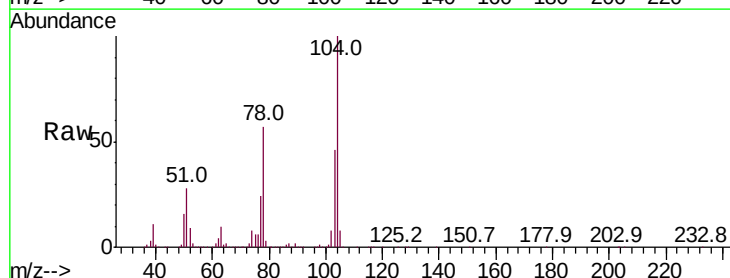
Manual Integrations
APPROVED

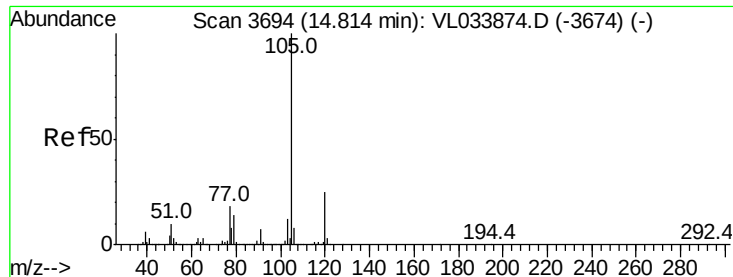
MMDadoda
6/27/2019 3:01:23 PM



#61
Styrene
Concen: 6.622 ppbv
RT: 13.66 min Scan# 3334
Delta R.T. -0.02 min
Lab File: VL033975.D
Acq: 26 Jun 2019 20:00

Tgt Ion:104 Resp: 926969
Ion Ratio Lower Upper
104 100
78 56.8 43.4 65.0
103 46.8 37.6 56.4





#62

Isopropylbenzene

Concen: 0.099 ppbv m

RT: 14.80 min Scan# 3690

Delta R.T. -0.01 min

Lab File: VL033975.D

Acq: 26 Jun 2019 20:00

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1DL2

Tot Ion:105 Resp: 28827

Ion Ratio Lower Upper

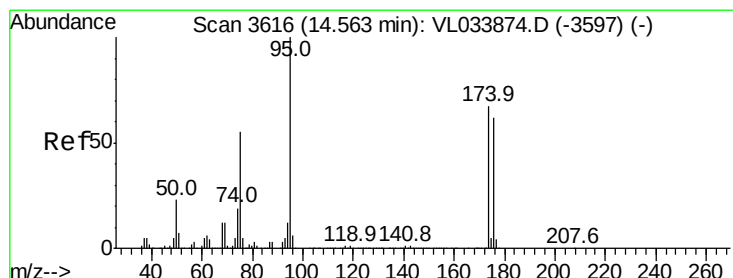
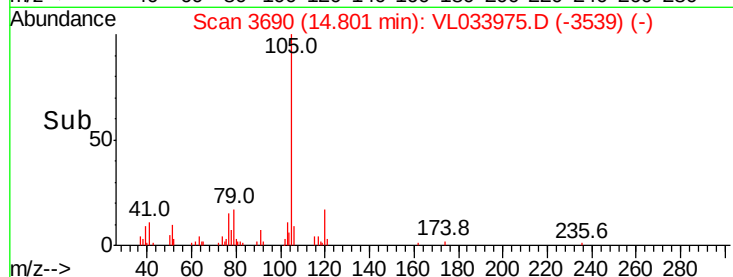
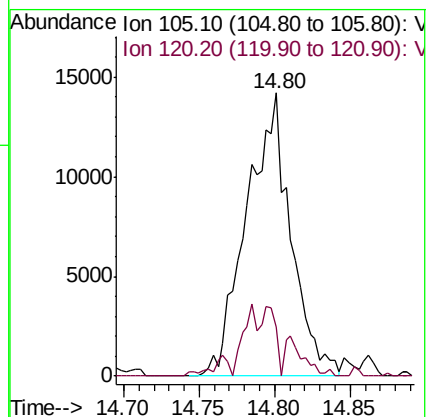
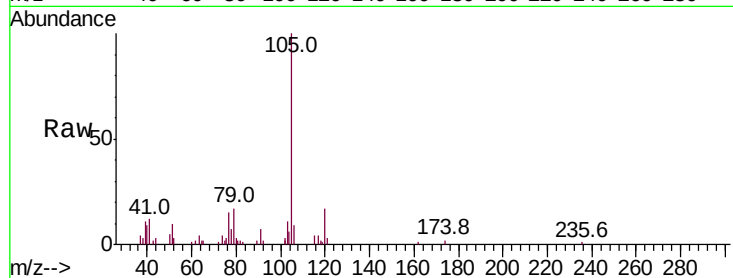
105 100

120 24.5 20.3 30.5

Manual Integrations
APPROVED

MMDadoda

6/27/2019 3:01:23 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.821 ppbv

RT: 14.54 min Scan# 3610

Delta R.T. -0.02 min

Lab File: VL033975.D

Acq: 26 Jun 2019 20:00

Tgt Ion: 95 Resp: 1816134

Ion Ratio Lower Upper

95 100

174 65.8 54.0 81.0

175 4.6 3.8 5.8

