

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033941.D
 Acq On : 24 Jun 2019 17:57
 Operator : SY/AP
 Sample : K3481-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-D-2DL

Manual Integrations
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 6/26/2019 8:15:39 AM

Quant Time: Jun 25 04:19:39 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	938130	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.26	114	2285411	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	2342080	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.55	95	1898517	9.87	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	10082m	0.066	ppbv	
3) Chlorodifluoromethane	3.01	51	22877m	0.207	ppbv	
13) Ethanol	3.65	45	23368m	1.738	ppbv	
15) Acetone	3.90	43	103024	0.753	ppbv	99
19) Isopropyl Alcohol	4.04	45	15635m	0.200	ppbv	
53) Toluene	9.92	91	189966	0.983	ppbv	99
58) Ethyl Benzene	12.83	91	71012m	0.269	ppbv	
59) m/p-Xylene	13.09	91	358119	1.491	ppbv	100
60) o-Xylene	13.82	91	80512	0.325	ppbv	98

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

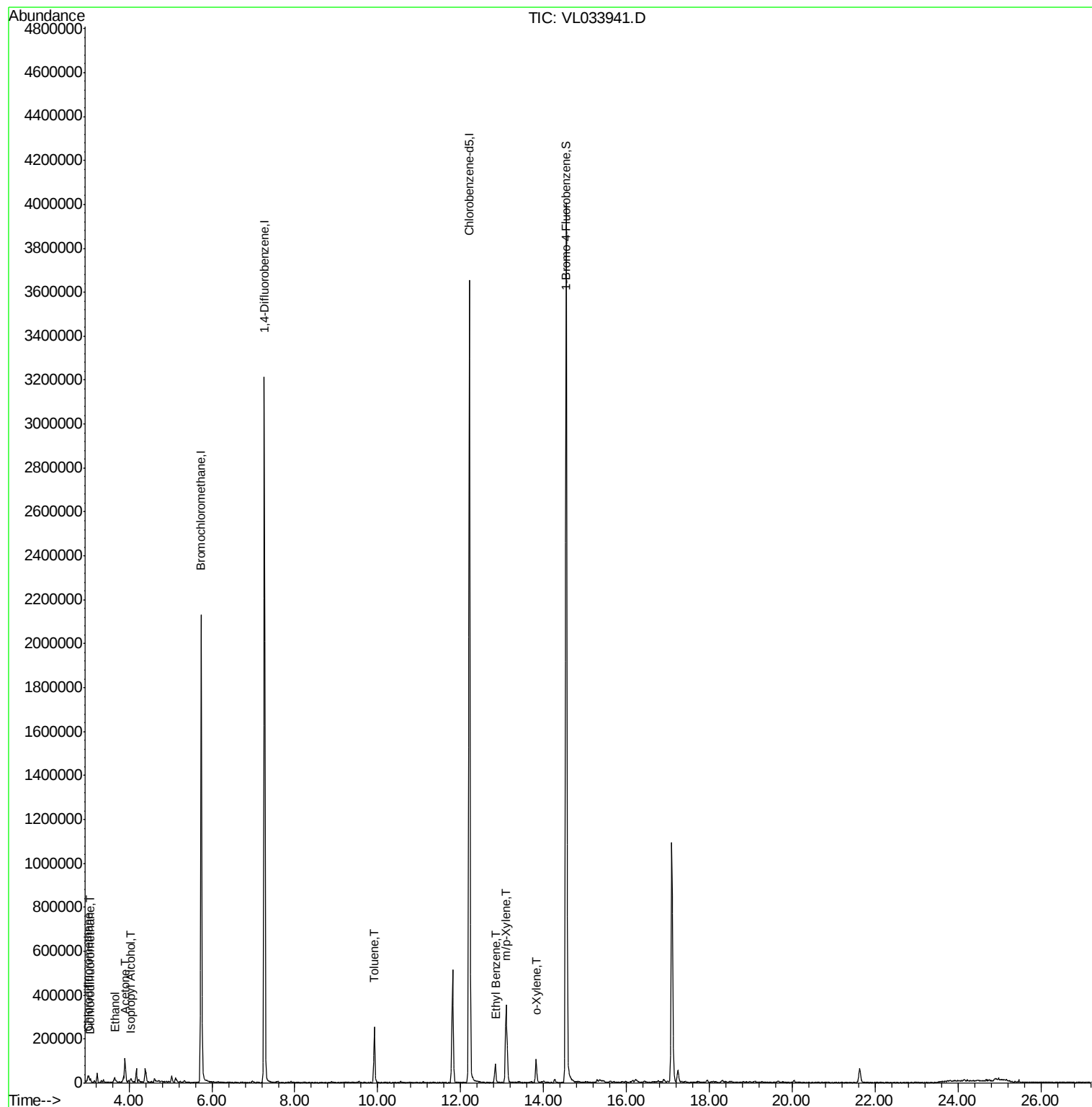
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062419\
Data File : VL033941.D
Acq On : 24 Jun 2019 17:57
Operator : SY/AP
Sample : K3481-08DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

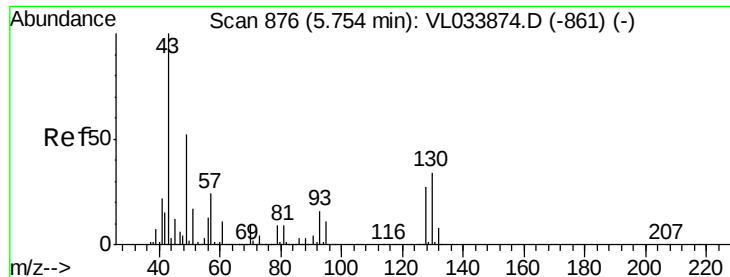
Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-D-2DL

Manual Integrations
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6/26/2019 8:15:39 AM

Quant Time: Jun 25 04:19:39 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# 872

Delta R.T. -0.01 min

Lab File: VL033941.D

Acq: 24 Jun 2019 17:57

Instrument :

MSVOA_L

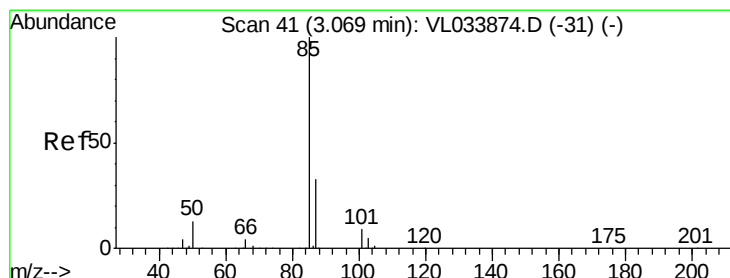
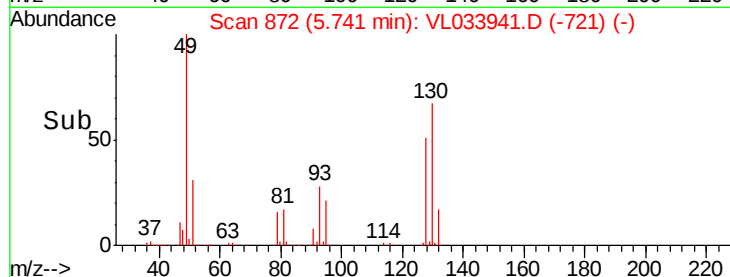
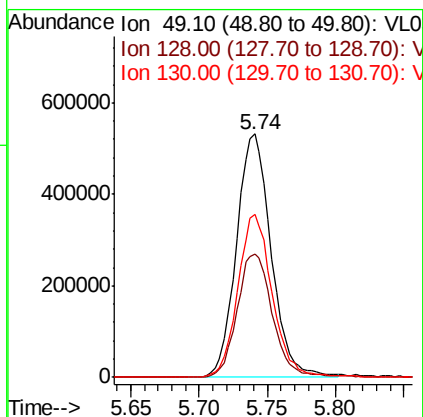
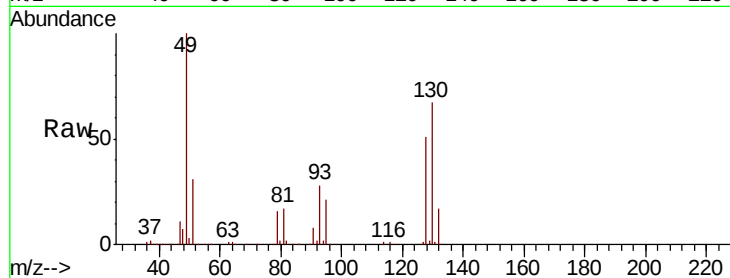
ClientSampleId :

TZC-SSDS-AREA-D-2DL

Tot Ion:	49	Resp:	938130
Ion	Ratio	Lower	Upper
49	100		
128	52.3	25.5	76.5
130	66.8	32.5	97.4

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#2

Dichlorodifluoromethane

Concen: 0.066 ppbv m

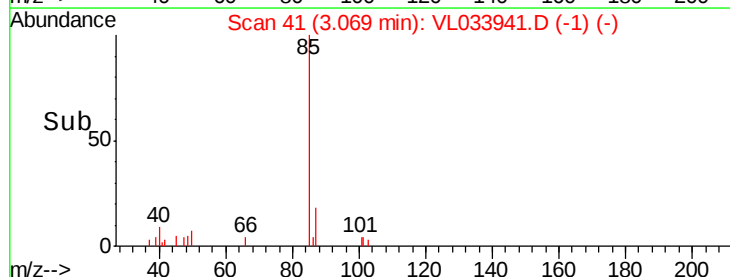
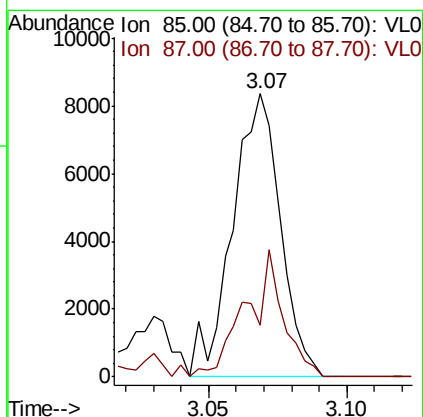
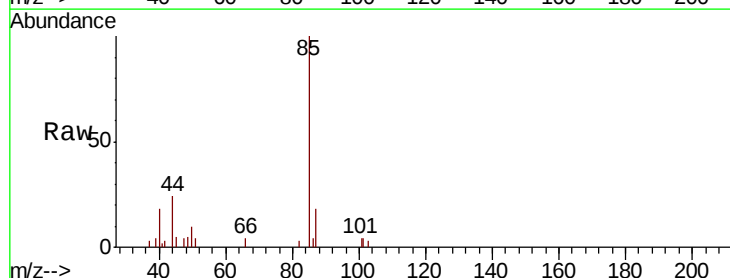
RT: 3.07 min Scan# 41

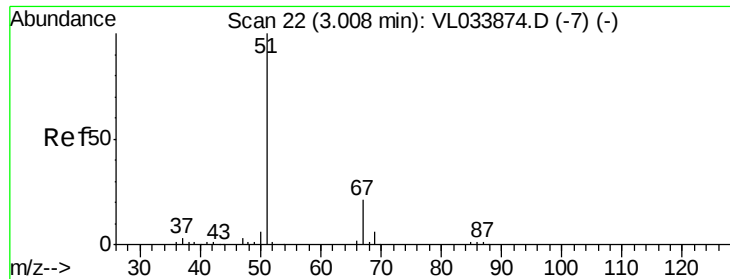
Delta R.T. -0.00 min

Lab File: VL033941.D

Acq: 24 Jun 2019 17:57

Tgt Ion:	85	Resp:	10082
Ion	Ratio	Lower	Upper
85	100		
87	18.3	26.6	40.0#





#3

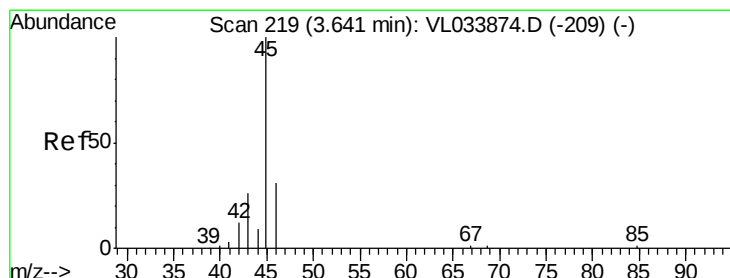
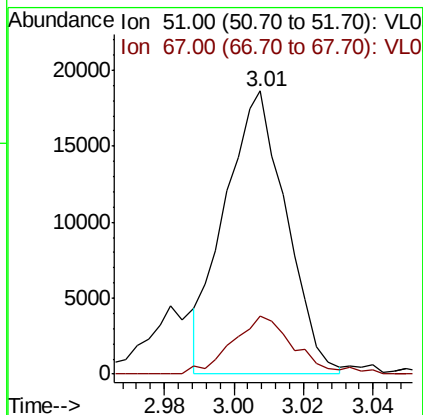
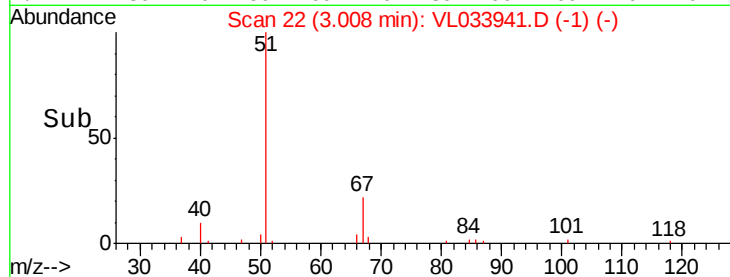
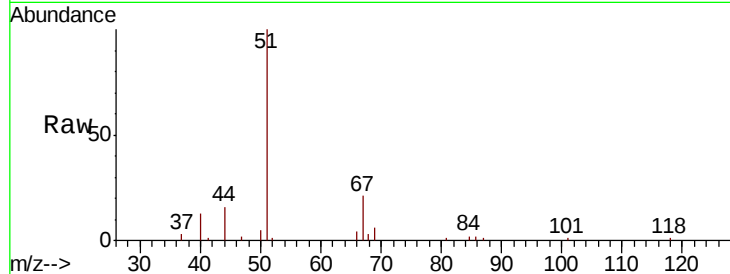
Chlorodifluoromethane
 Concen: 0.207 ppbv m
 RT: 3.01 min Scan# 22
 Delta R.T. -0.00 min
 Lab File: VL033941.D
 Acq: 24 Jun 2019 17:57

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-D-2DL

Tot Ion	51	Resp	22877
Ion Ratio	51	100	
Lower	67	20.9	16.4
Upper			24.6

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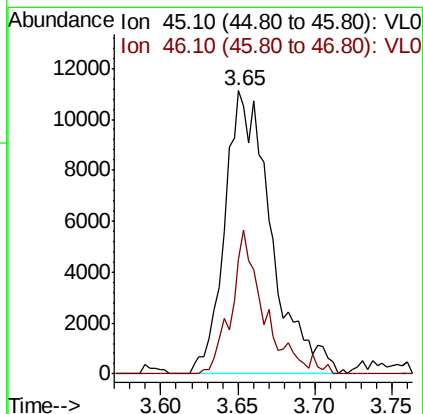
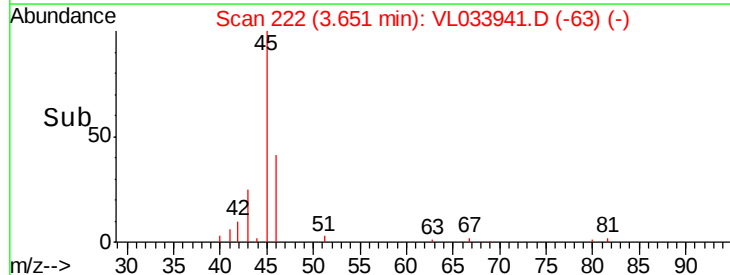
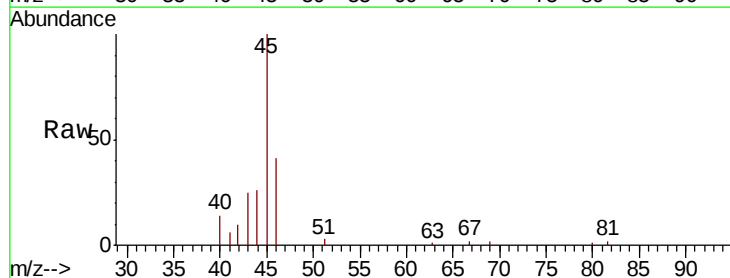
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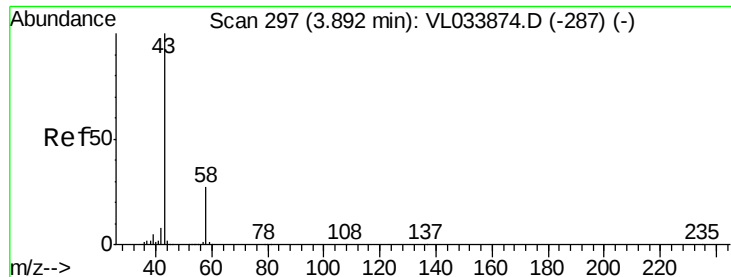


#13

Ethanol
 Concen: 1.738 ppbv m
 RT: 3.65 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VL033941.D
 Acq: 24 Jun 2019 17:57

Tgt Ion	45	Resp	23368
Ion Ratio	45	100	
Lower	46	35.9	15.3
Upper			61.1





#15

Acetone

Concen: 0.753 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.01 min

Lab File: VL033941.D

Acq: 24 Jun 2019 17:57

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-D-2DL

Tot Ion: 43 Resp: 103024

Ion Ratio Lower Upper

43 100

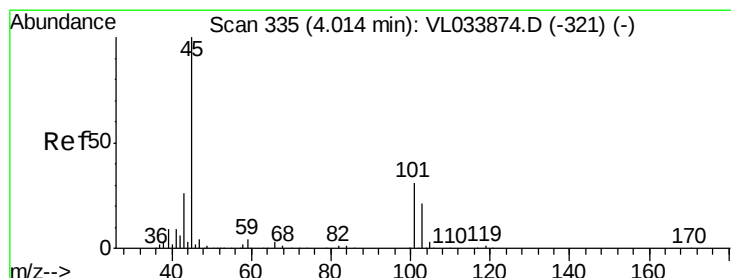
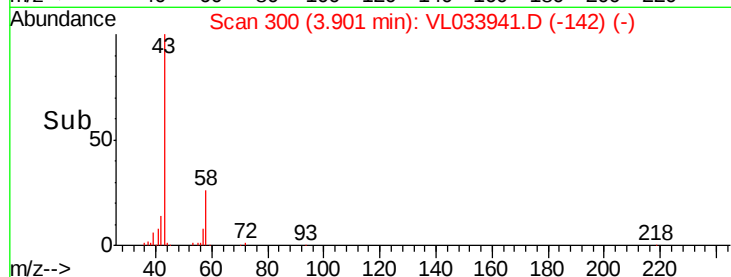
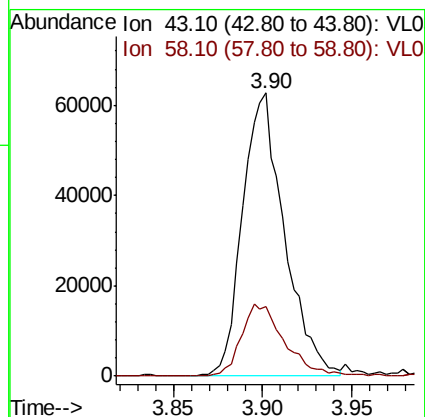
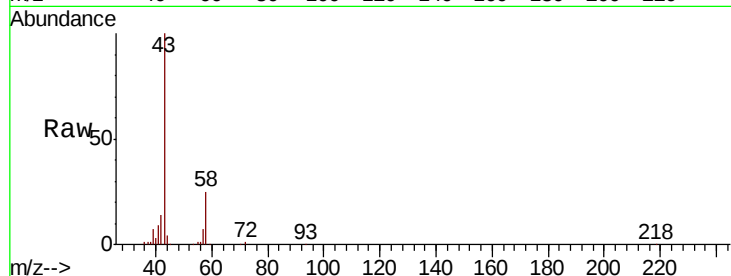
58 26.2 21.3 31.9

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#19

Isopropyl Alcohol

Concen: 0.200 ppbv m

RT: 4.04 min Scan# 343

Delta R.T. 0.03 min

Lab File: VL033941.D

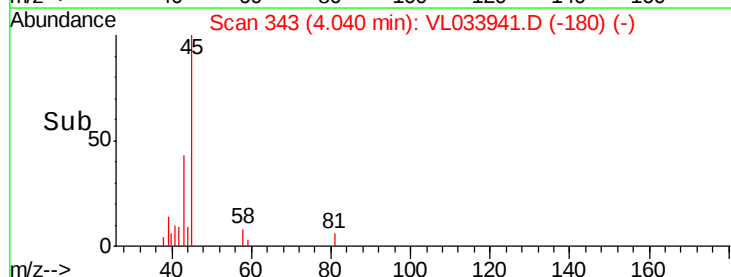
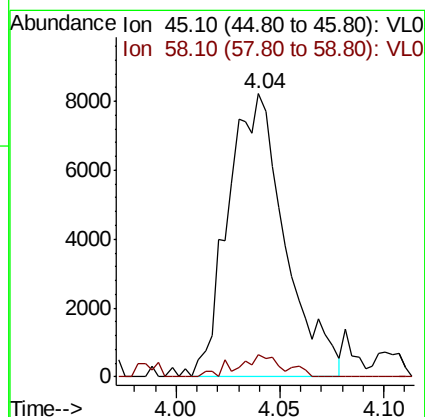
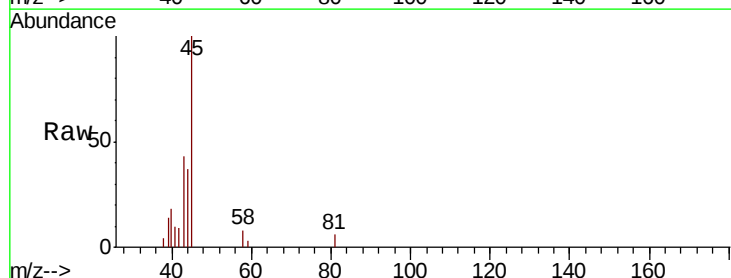
Acq: 24 Jun 2019 17:57

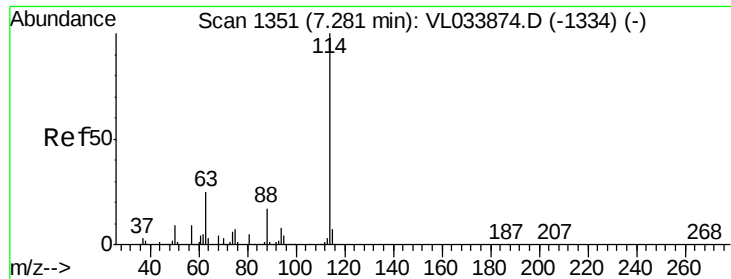
Tgt Ion: 45 Resp: 15635

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.6#





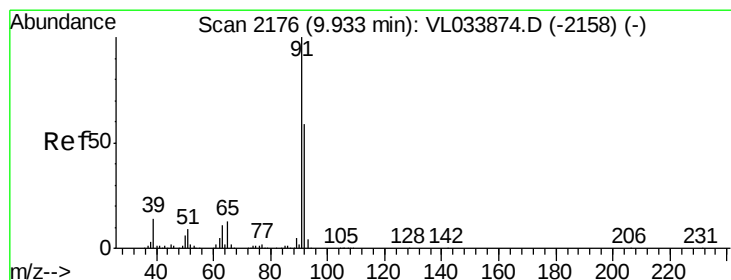
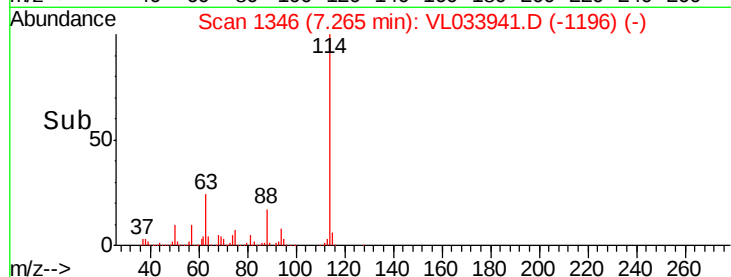
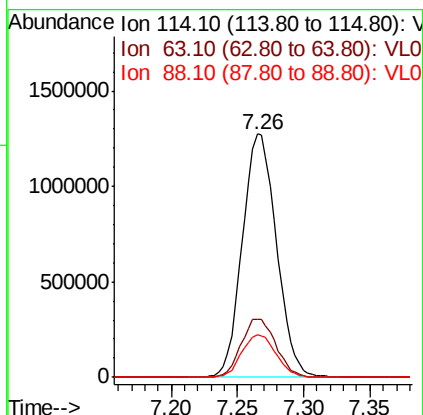
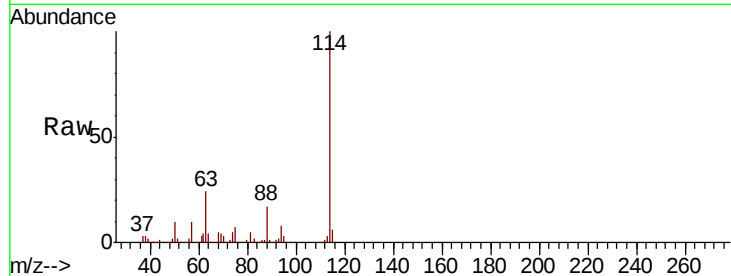
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: VL033941.D
 Acq: 24 Jun 2019 17:57

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-D-2DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	21.1	31.7
88	17.6	14.2	21.4

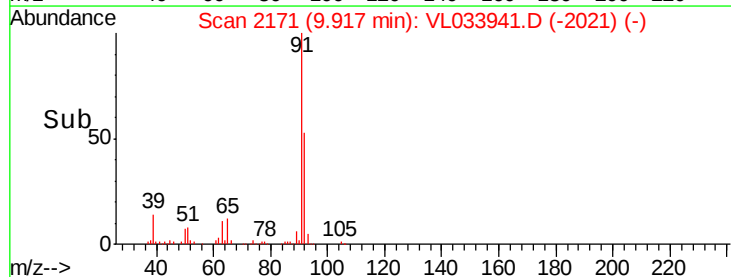
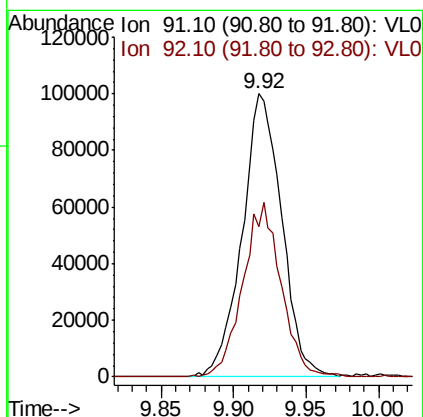
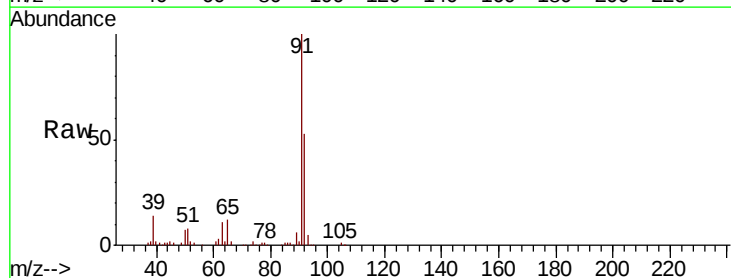
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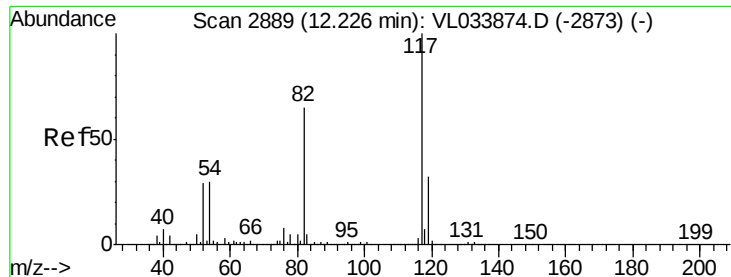
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#53
 Toluene
 Concen: 0.983 ppbv
 RT: 9.92 min Scan# 2171
 Delta R.T. -0.02 min
 Lab File: VL033941.D
 Acq: 24 Jun 2019 17:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.0	70.6





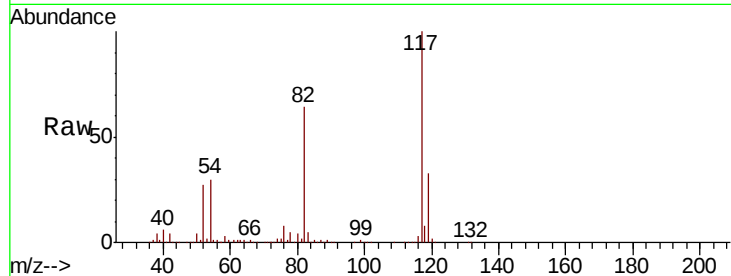
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2884
Delta R.T. -0.02 min
Lab File: VL033941.D
Acq: 24 Jun 2019 17:57

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-D-2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.1	50.2	75.2
119	32.4	24.8	37.2

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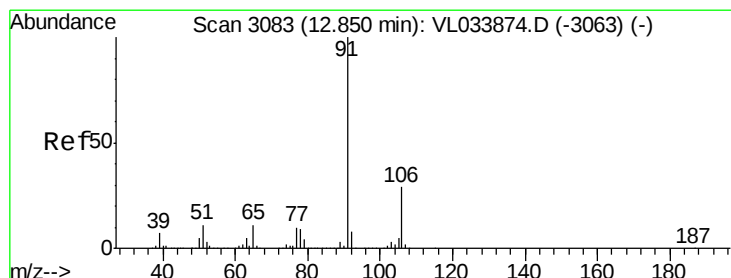
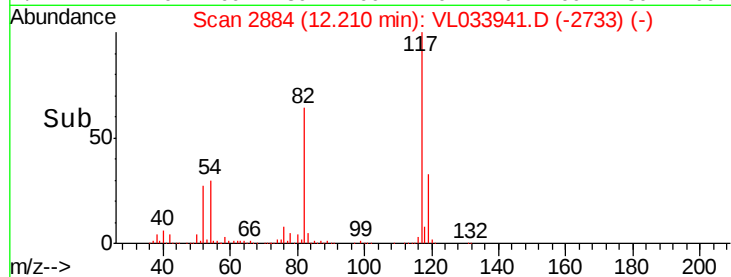
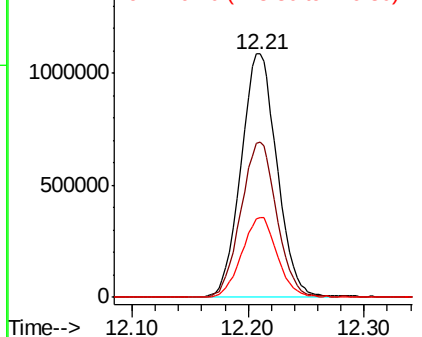


Abundance

Ion 117.10 (116.80 to 117.80): V

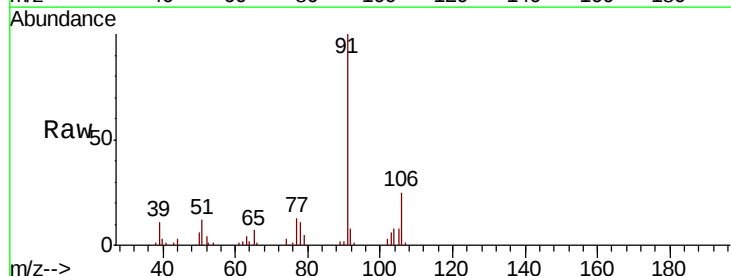
Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58
Ethyl Benzene
Concen: 0.269 ppbv m
RT: 12.83 min Scan# 3078
Delta R.T. -0.02 min
Lab File: VL033941.D
Acq: 24 Jun 2019 17:57

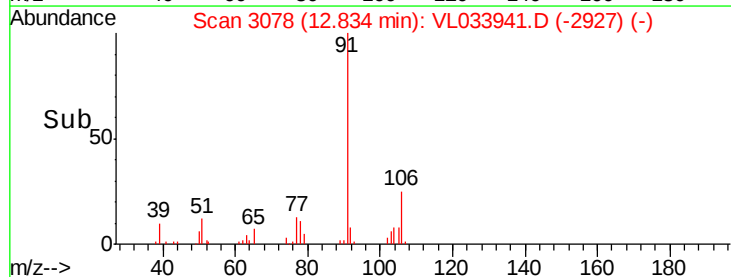
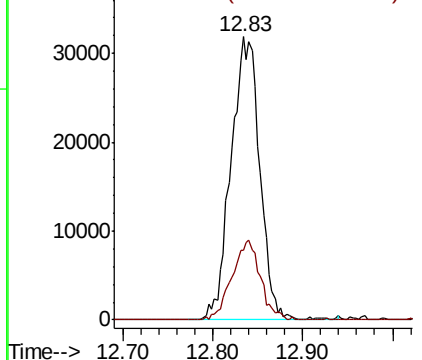
Tgt Ion	Ratio	Lower	Upper
91	100		
106	24.5	23.0	34.6

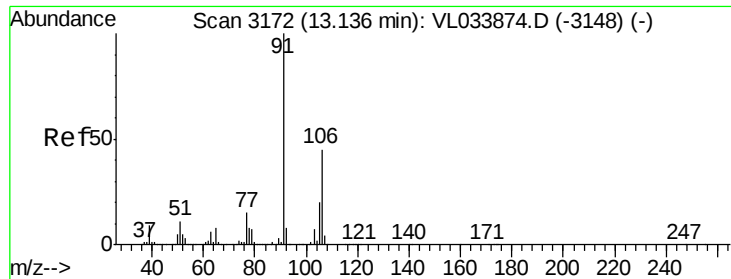


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





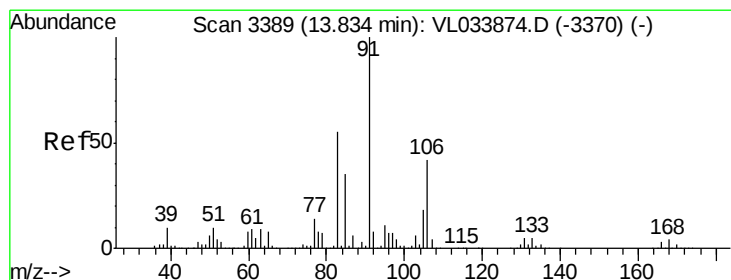
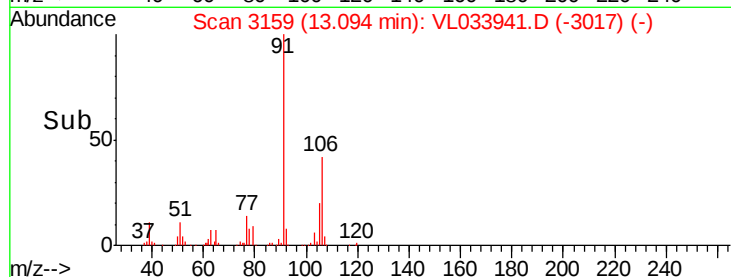
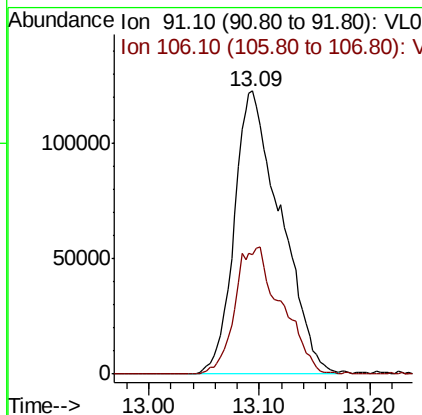
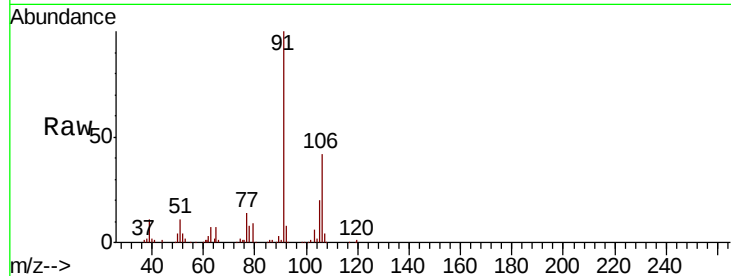
#59
m/p-Xylene
Concen: 1.491 ppbv
RT: 13.09 min Scan# 3159
Delta R.T. -0.04 min
Lab File: VL033941.D
Acq: 24 Jun 2019 17:57

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-D-2DL

Tot Ion: 91 Resp: 358119
Ion Ratio Lower Upper
91 100
106 45.1 35.8 53.8

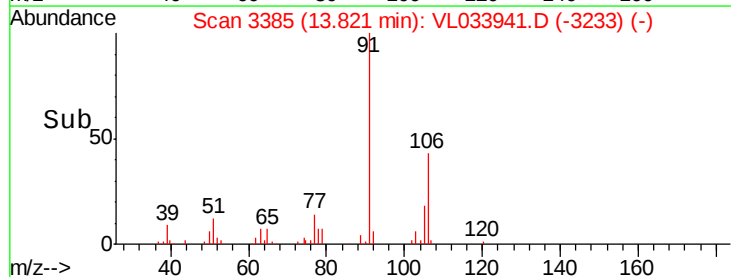
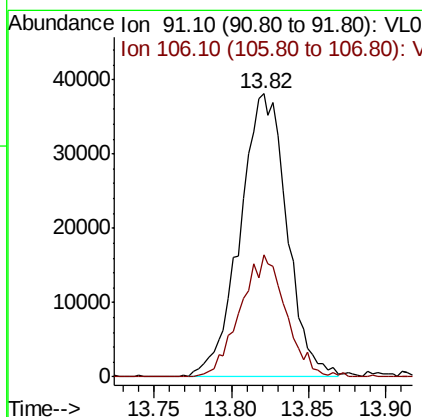
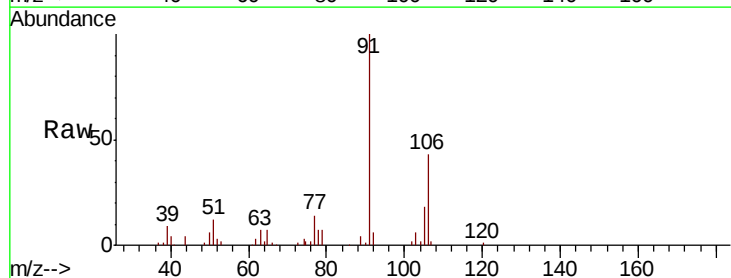
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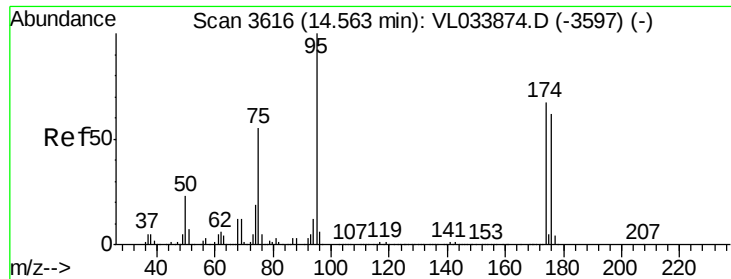
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#60
o-Xylene
Concen: 0.325 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL033941.D
Acq: 24 Jun 2019 17:57

Tgt Ion: 91 Resp: 80512
Ion Ratio Lower Upper
91 100
106 41.9 21.7 65.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.869 ppbv
 RT: 14.55 min Scan# 3611
 Delta R.T. -0.02 min
 Lab File: VL033941.D
 Acq: 24 Jun 2019 17:57

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-D-2DL

Tot Ion: 95 Resp: 1898517
 Ion Ratio Lower Upper
 95 100
 174 68.9 54.0 81.0
 175 4.9 3.8 5.8

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