

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062634.D
 Acq On : 17 May 2019 12:45
 Operator : FY/SY
 Sample : K2854-01
 Misc : 5.91g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-03(25.5)

Manual Integrations
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MMDadoda
 5/20/2019 2:52:00 PM

Quant Time: May 18 02:03:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	481278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	809680	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	242032	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	61369m	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	182472	53.65	ug/l	0.01
Spiked Amount 50.000			Recovery	=	107.30%	
35) Dibromofluoromethane	4.32	113	290262	46.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.70%	
50) Toluene-d8	7.73	98	743426	50.26	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.48	95	259583	46.27	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	92.54%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	2.35	84	27544m	6.228	ug/l	
27) cis-1,2-Dichloroethene	3.66	96	94274	13.562	ug/l	94
31) Cyclohexane	3.95	56	1902001	200.081	ug/l	90
39) Methylcyclohexane	5.66	83	8797835	881.278	ug/l #	92
40) Benzene	4.84	78	223259	9.878	ug/l	91
67) Ethyl Benzene	10.05	91	73037	8.844	ug/l	98
73) Isopropylbenzene	11.23	105	3142540	714.473	ug/l	95
78) n-propylbenzene	11.68	91	4452031	855.273	ug/l	89
83) tert-Butylbenzene	12.21	119	312882	87.442	ug/l	85
85) sec-Butylbenzene	12.38	105	3258069	678.486	ug/l #	75
89) n-Butylbenzene	12.91	91	1529312	383.283	ug/l	96
95) Naphthalene	14.50	128	2132795	930.194	ug/l #	93

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

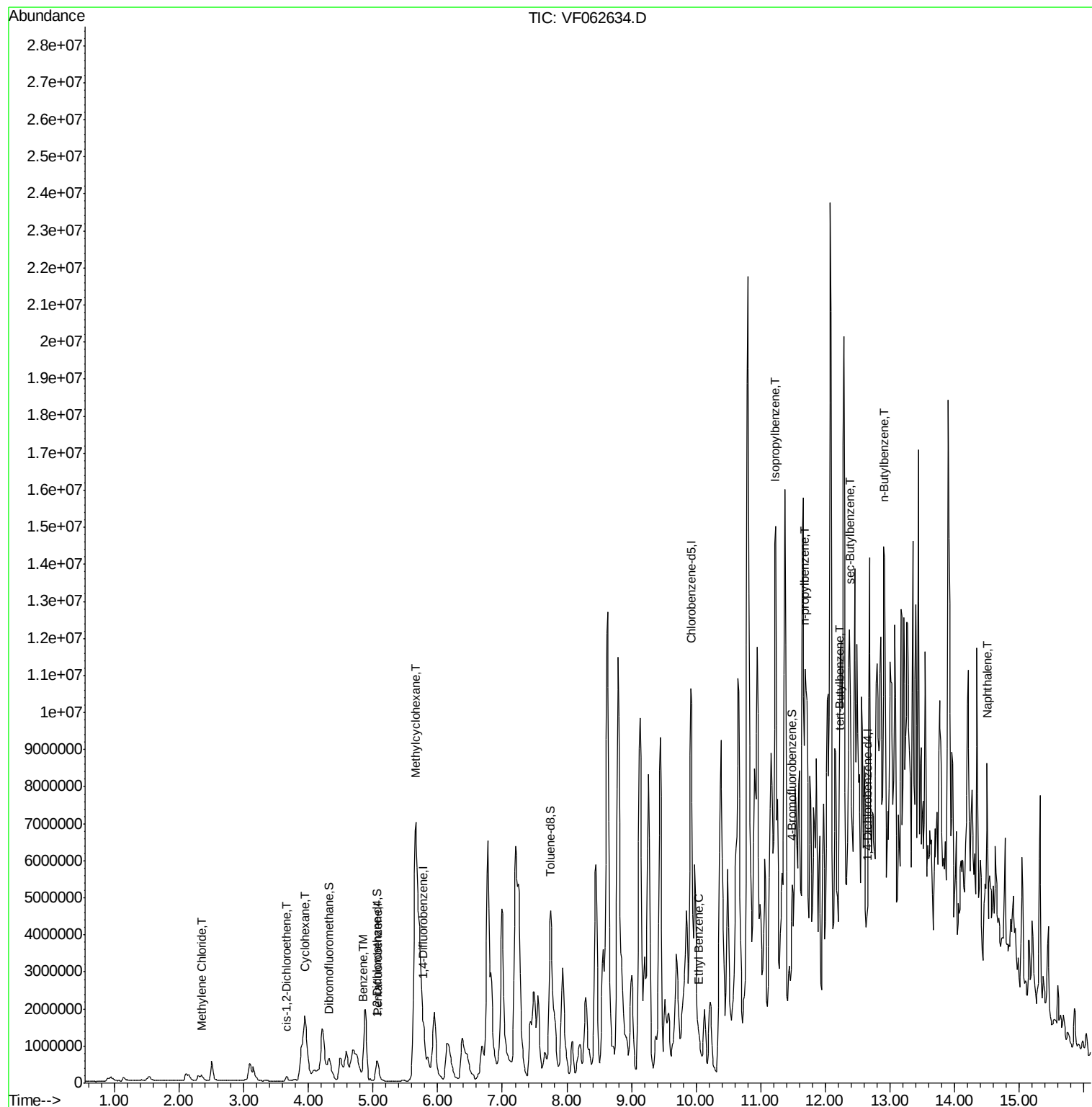
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051719\
Data File : VF062634.D
Acq On : 17 May 2019 12:45
Operator : FY/SY
Sample : K2854-01
Misc : 5.91a/5mL/MSVOA F/SOIL
ALS Vial : 7 Sample Multiplier: 1

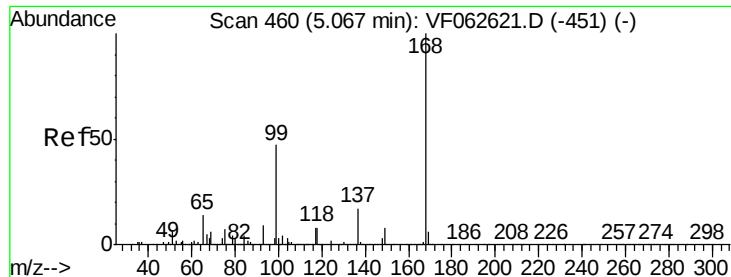
Instrument :
MSVOA_F
ClientSampleId :
SB-03(25.5)

Quant Time: May 18 02:03:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062634.D

Acq: 17 May 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

SB-03(25.5)

Tot Ion:168 Resp: 481278

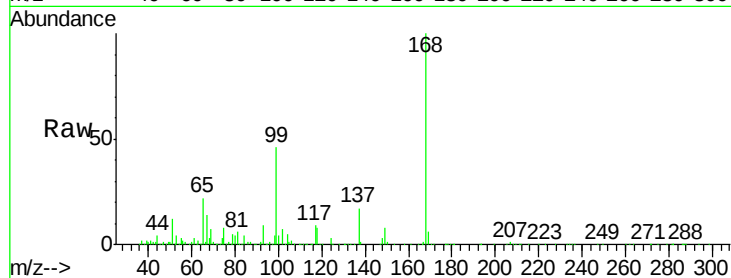
Ion Ratio Lower Upper

168 100

99 46.2 37.8 56.8

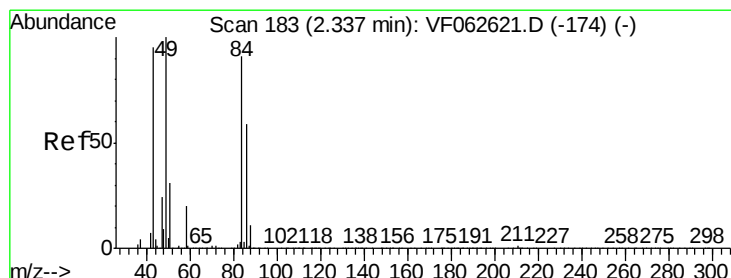
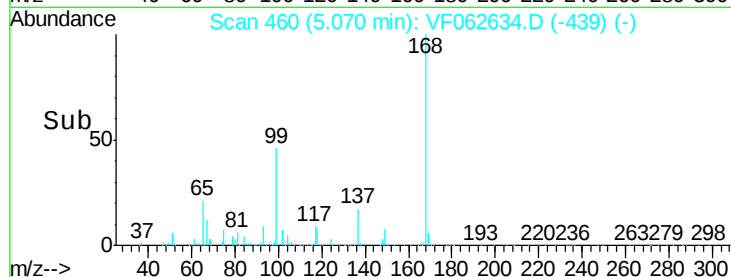
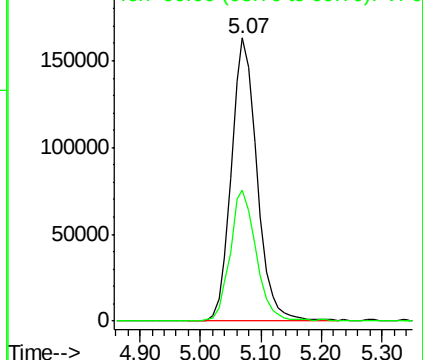
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#20

Methylene Chloride

Concen: 6.228 ug/l m

RT: 2.35 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF062634.D

Acq: 17 May 2019 12:45

Tgt Ion: 84 Resp: 27544

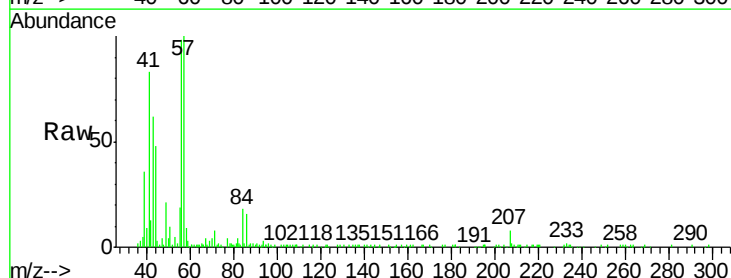
Ion Ratio Lower Upper

84 100

49 118.1 89.8 134.8

51 53.5 28.4 42.6#

86 91.3 52.6 79.0#

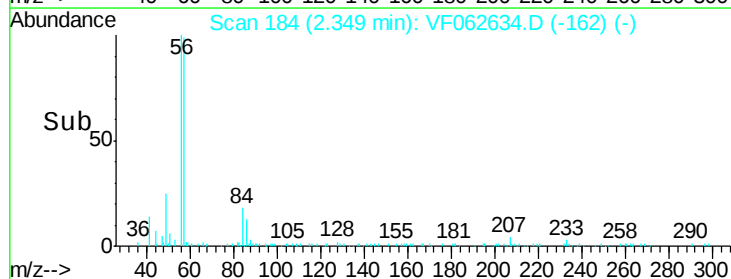
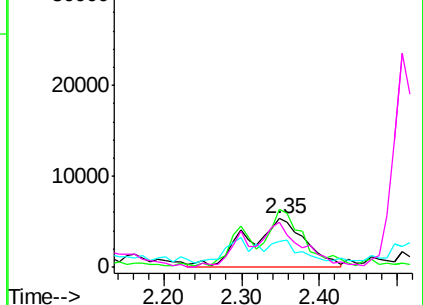


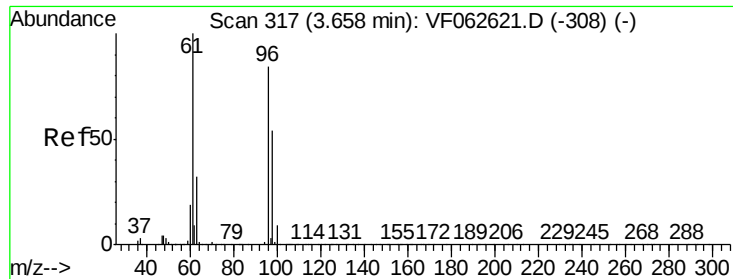
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#27

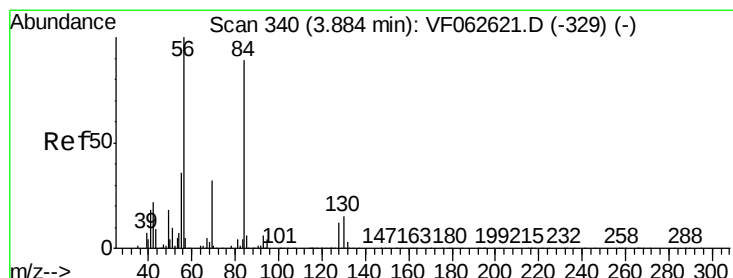
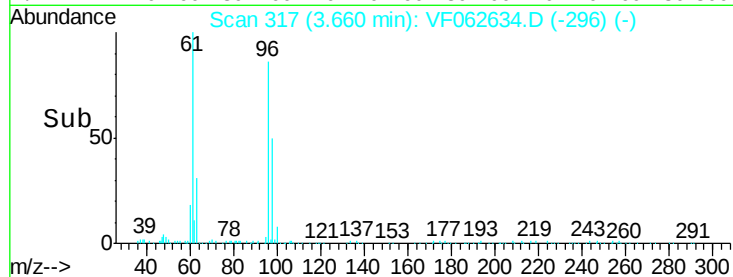
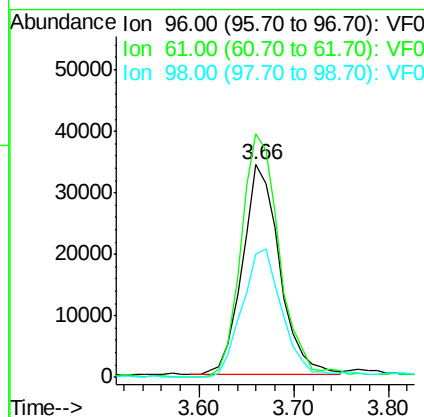
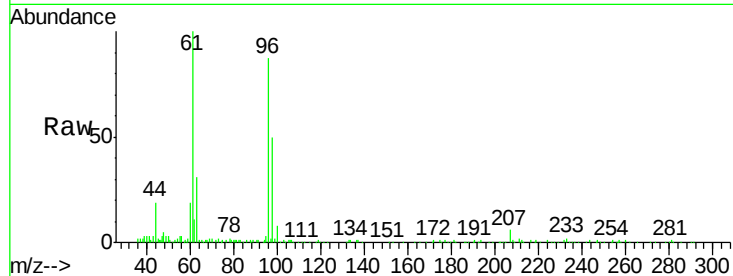
cis-1,2-Dichloroethene
Concen: 13.562 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062634.D
Acq: 17 May 2019 12:45

Instrument :
MSVOA_F
ClientSampled :
SB-03(25.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	114.5	0.0	237.4	
98	98	57.7	0.0	129.0	

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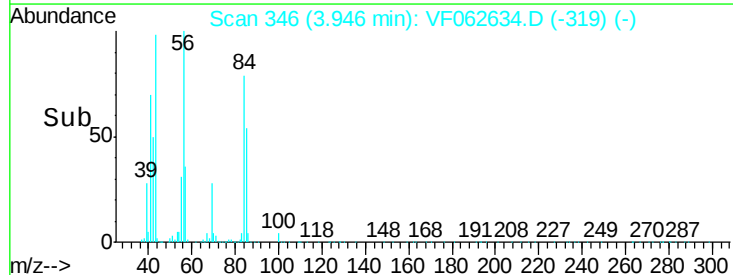
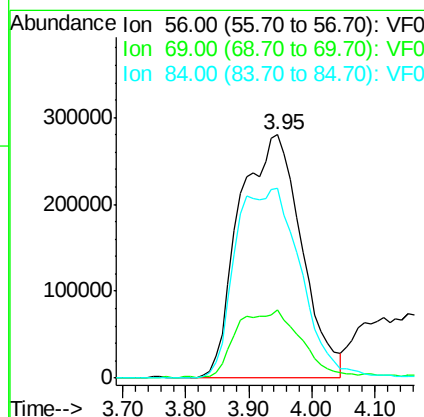
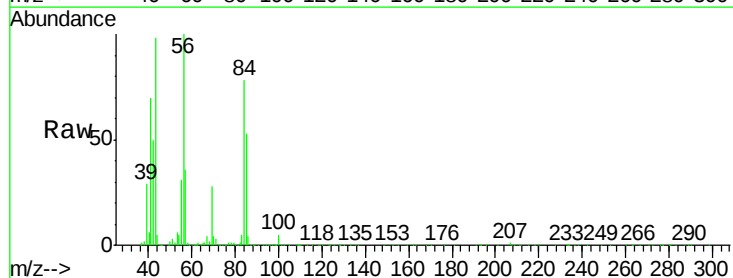
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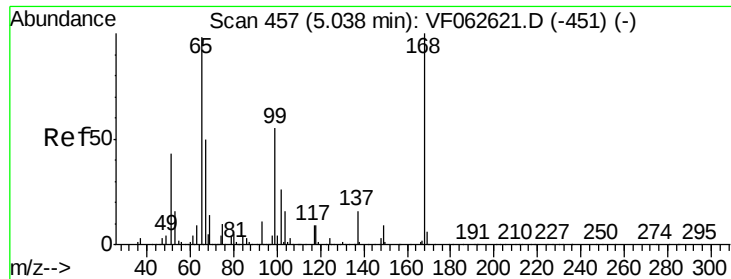


#31

Cyclohexane
Concen: 200.081 ug/l
RT: 3.95 min Scan# 346
Delta R.T. 0.06 min
Lab File: VF062634.D
Acq: 17 May 2019 12:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
56	56	100			
69	69	27.8	25.3	37.9	
84	84	78.1	71.0	106.4	





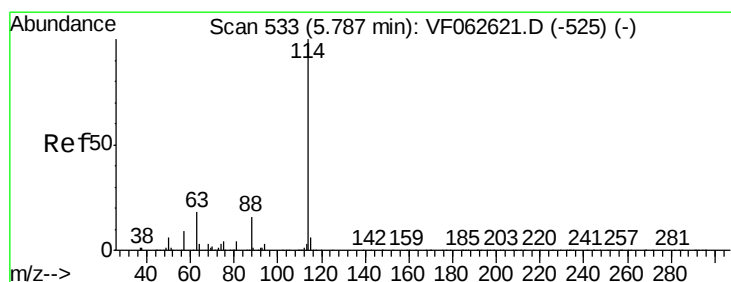
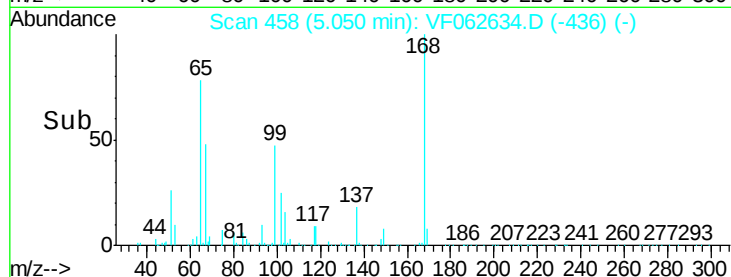
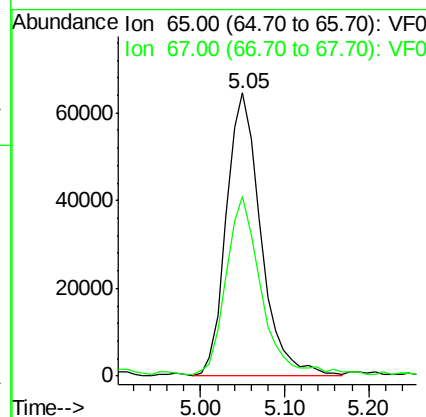
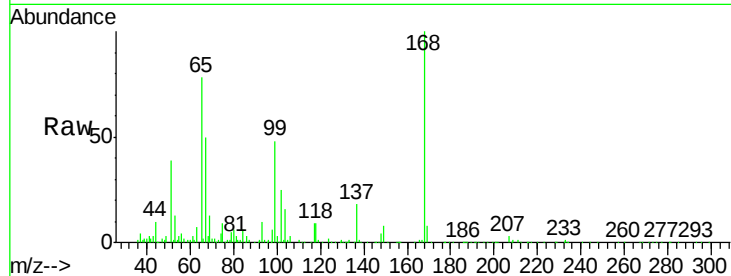
#33
 1,2-Dichloroethane-d4
 Concen: 53.653 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF062634.D
 Acq: 17 May 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-03(25.5)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	182472		
67	63.5	0.0	117.6	

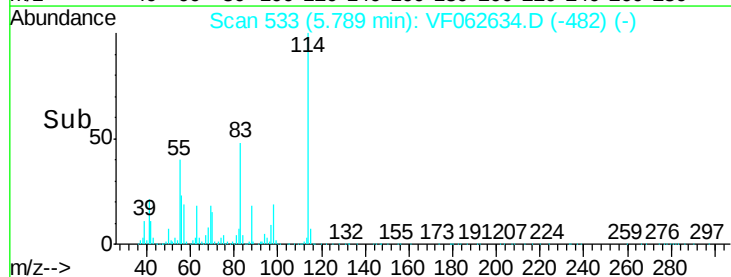
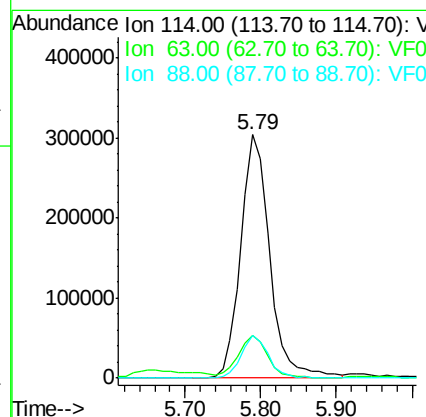
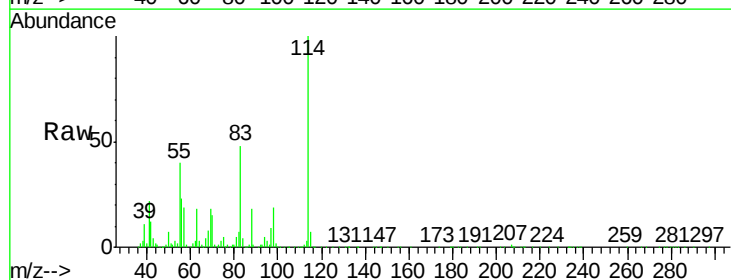
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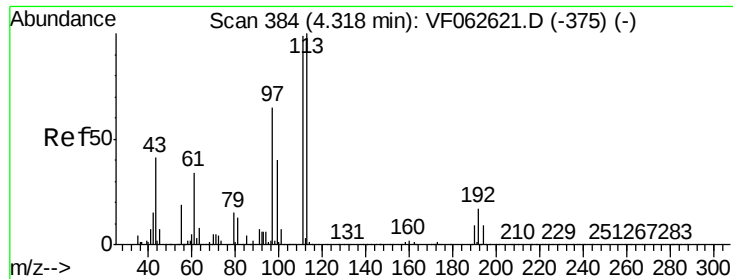
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF062634.D
 Acq: 17 May 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	809680		
63	17.6	0.0	35.4	
88	17.8	0.0	32.4	





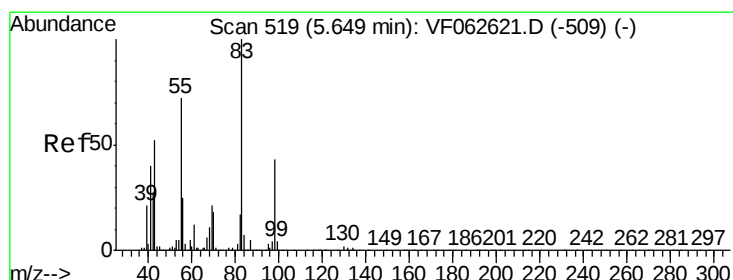
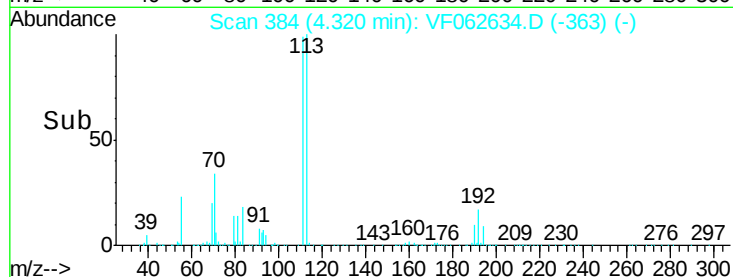
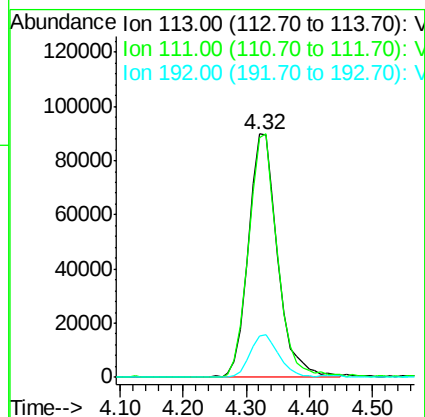
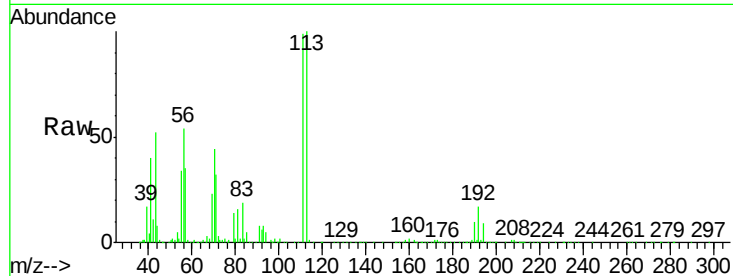
#35
 Dibromofluoromethane
 Concen: 46.849 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062634.D
 Acq: 17 May 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-03(25.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		290262		
111	98.5	79.4	119.2		
192	17.0	13.4	20.2		

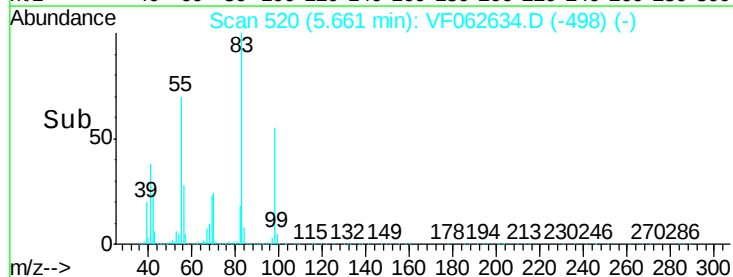
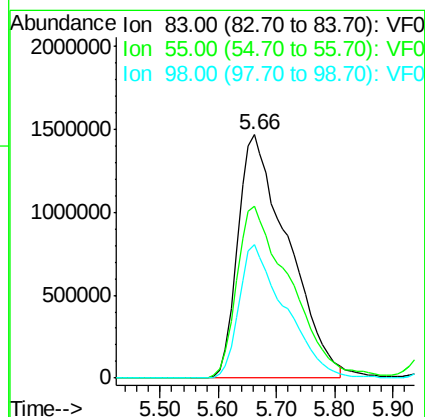
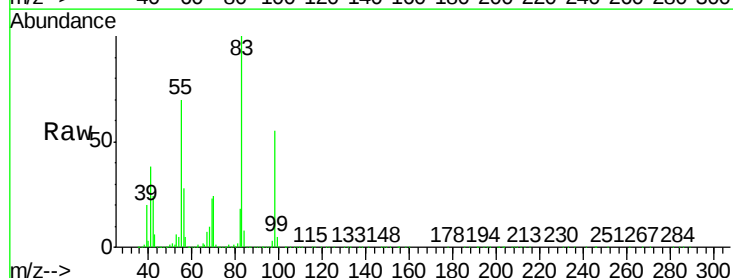
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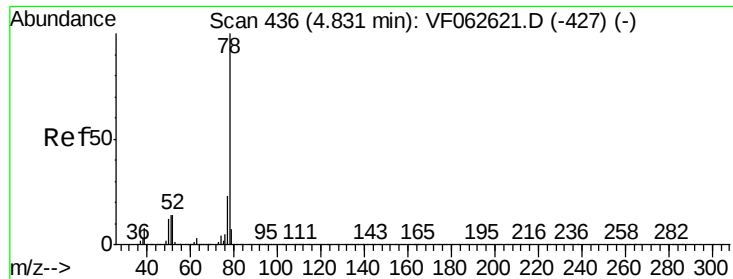
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#39
 Methylcyclohexane
 Concen: 881.278 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. 0.01 min
 Lab File: VF062634.D
 Acq: 17 May 2019 12:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		8797835		
55	70.5	57.9	86.9		
98	55.0	34.6	52.0#		





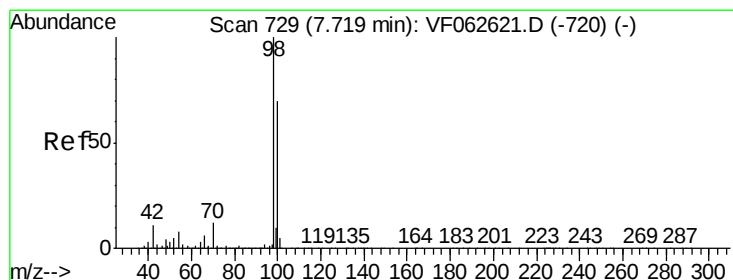
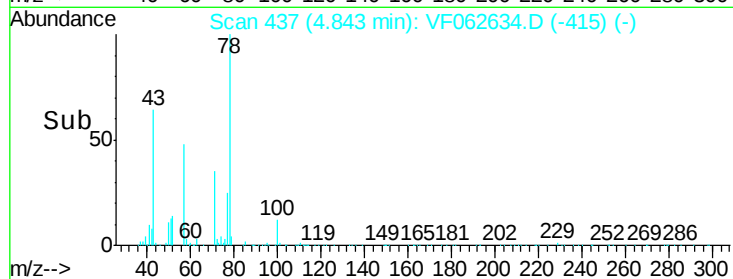
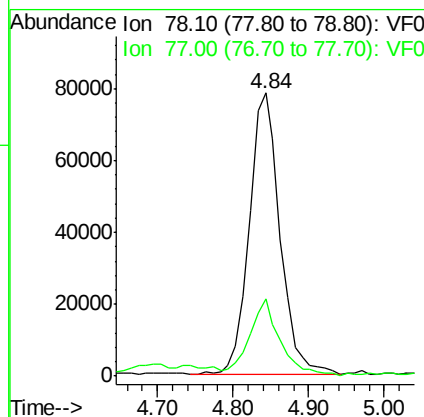
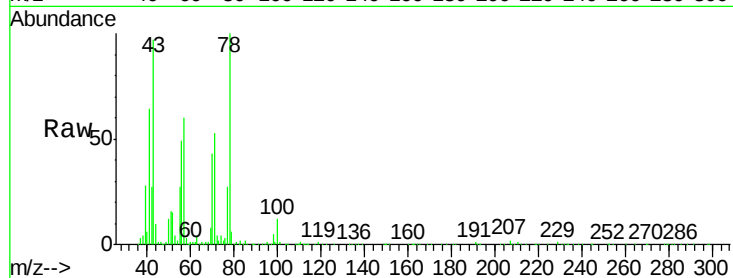
#40
Benzene
Concen: 9.878 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF062634.D
Acq: 17 May 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
SB-03(25.5)

Tot Ion	Ratio	Lower	Upper
78	100		
77	27.1	18.2	27.2

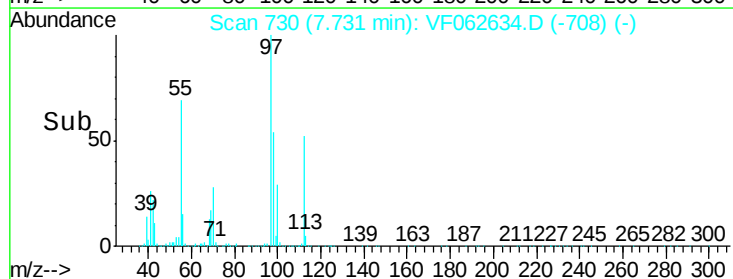
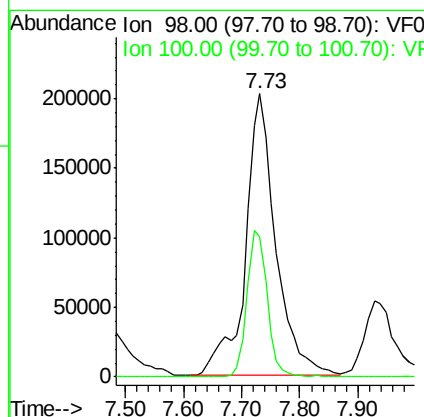
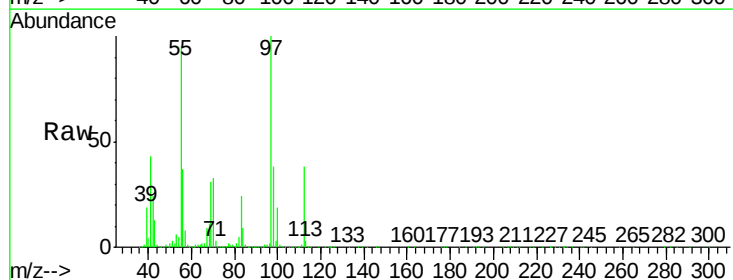
Manual Integrations
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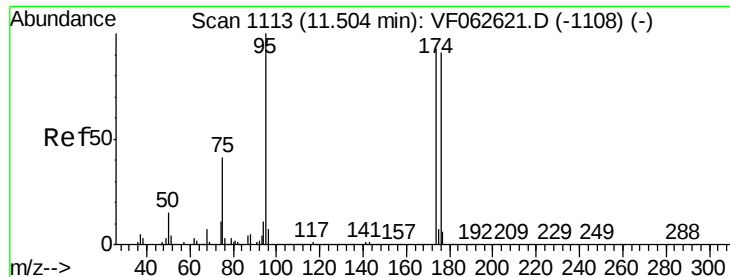
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#50
Toluene-d8
Concen: 50.255 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062634.D
Acq: 17 May 2019 12:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	49.4	56.2	84.2#





#62

4-Bromofluorobenzene

Concen: 46.267 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. -0.03 min

Lab File: VF062634.D

Acq: 17 May 2019 12:45

Instrument :

MSVOA_F

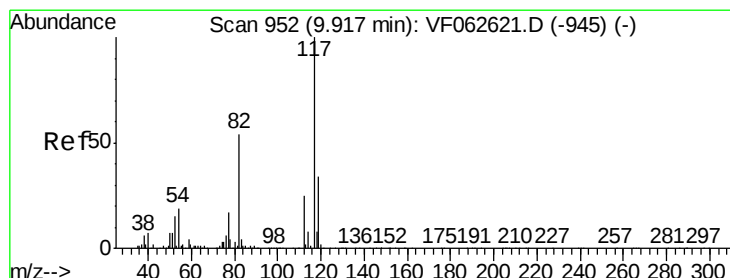
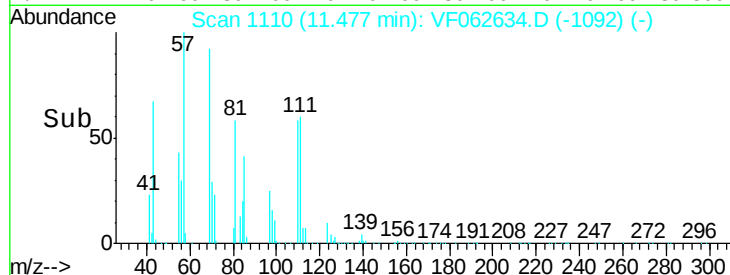
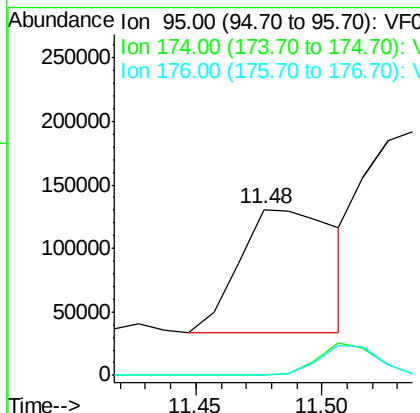
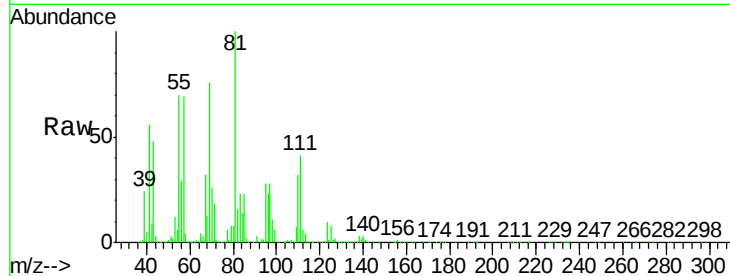
ClientSampled :

SB-03(25.5)

Tot Ion:	95	Resp:	259583
Ion Ratio	Lower	Upper	
95	100		
174	0.1	0.0	185.6
176	0.0	0.0	182.4

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

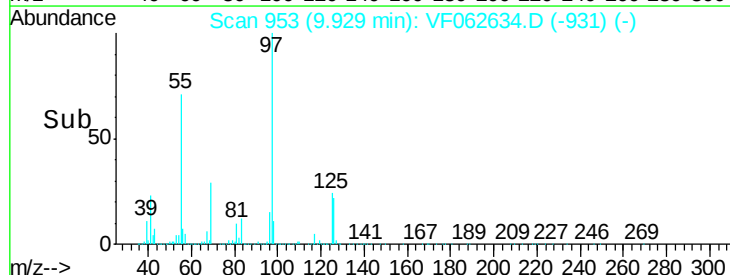
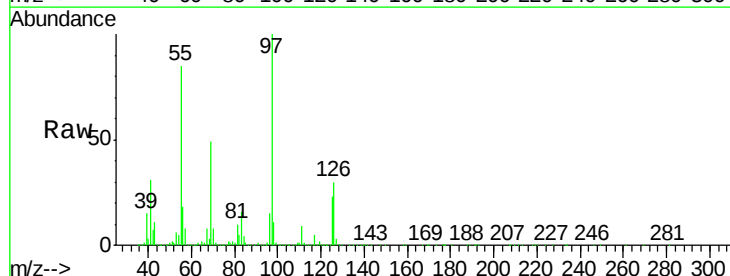
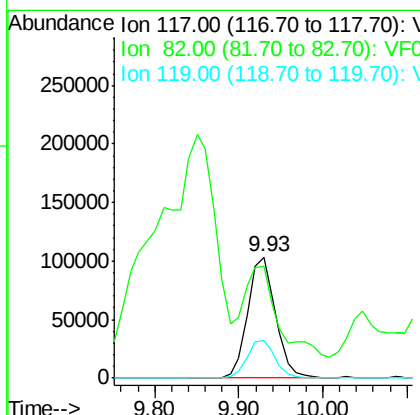
RT: 9.93 min Scan# 953

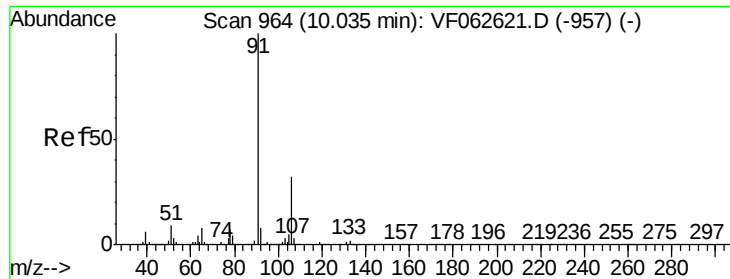
Delta R.T. 0.01 min

Lab File: VF062634.D

Acq: 17 May 2019 12:45

Tgt Ion:	117	Resp:	242032
Ion Ratio	Lower	Upper	
117	100		
82	92.7	43.3	64.9#
119	30.7	27.4	41.0





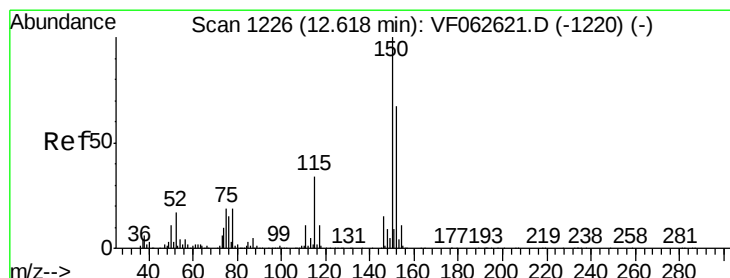
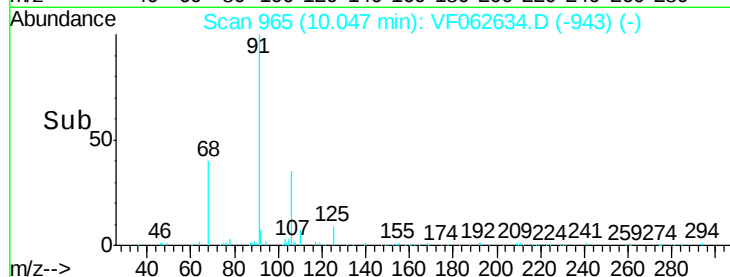
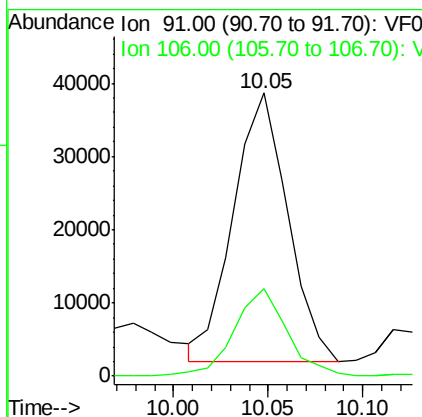
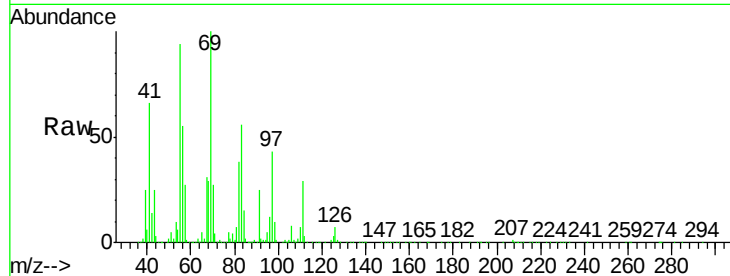
#67
Ethyl Benzene
Concen: 8.844 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062634.D
Acq: 17 May 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
SB-03(25.5)

Tot Ion	91	Resp	73037
Ion Ratio	100	Lower	Upper
106	31.0	25.8	38.8

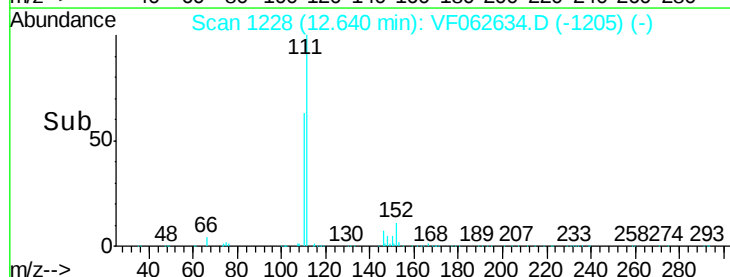
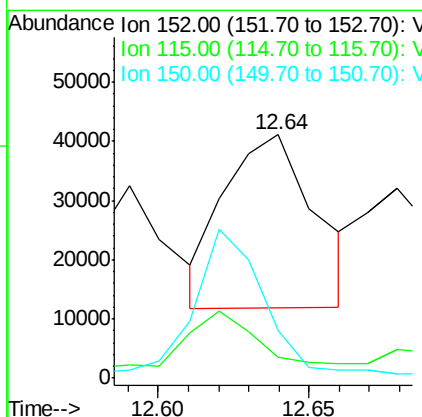
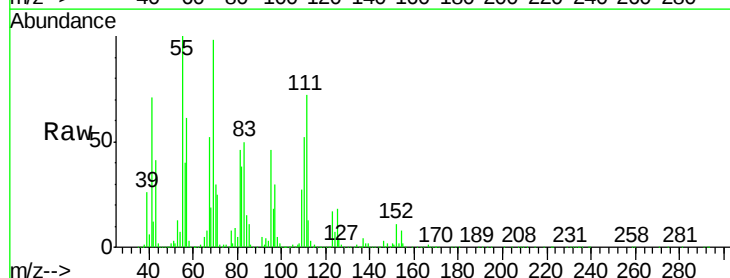
Manual Integrations
APPROVED

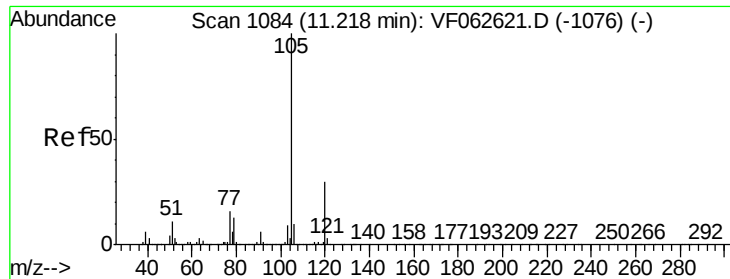
MMDadoda
5/20/2019 2:52:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 12.64 min Scan# 1228
Delta R.T. 0.02 min
Lab File: VF062634.D
Acq: 17 May 2019 12:45

Tgt Ion	152	Resp	61369
Ion Ratio	100	Lower	Upper
115	8.5	25.2	75.6#
150	19.6	0.0	306.2





#73

Isopropylbenzene

Concen: 714.473 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062634.D

Acq: 17 May 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

SB-03(25.5)

Tot Ion: 105 Resp: 3142540

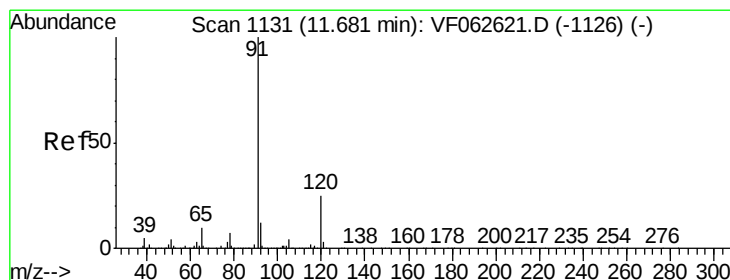
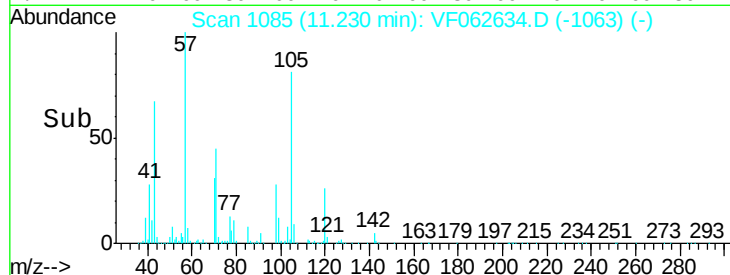
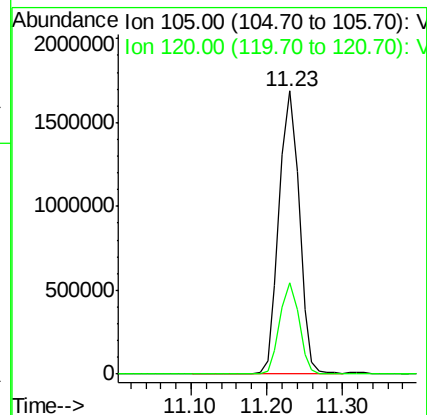
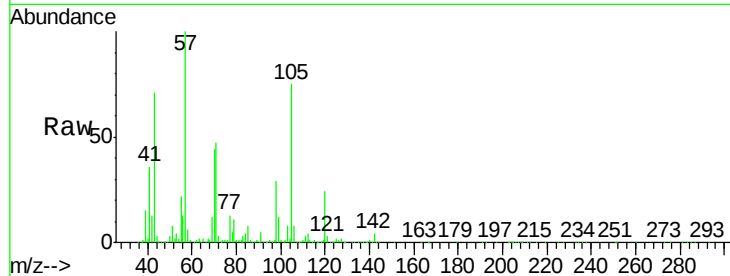
Ion Ratio Lower Upper

105 100

120 32.2 14.8 44.4

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#78

n-propylbenzene

Concen: 855.273 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF062634.D

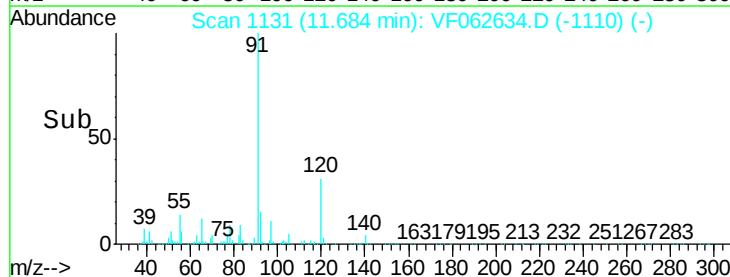
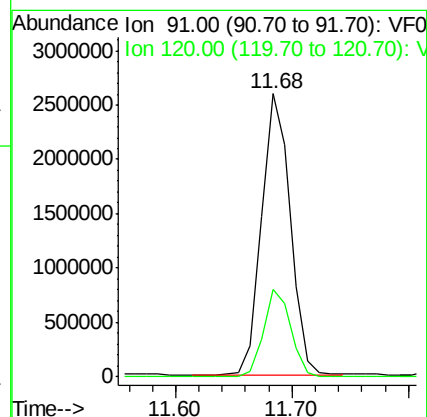
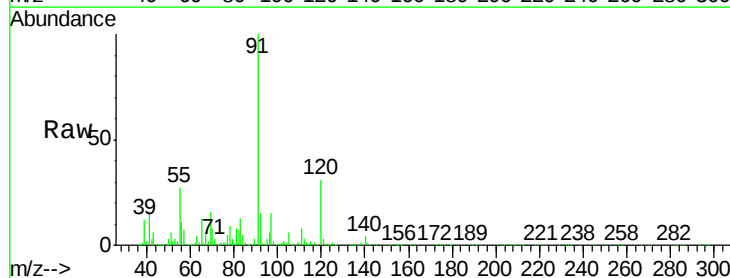
Acq: 17 May 2019 12:45

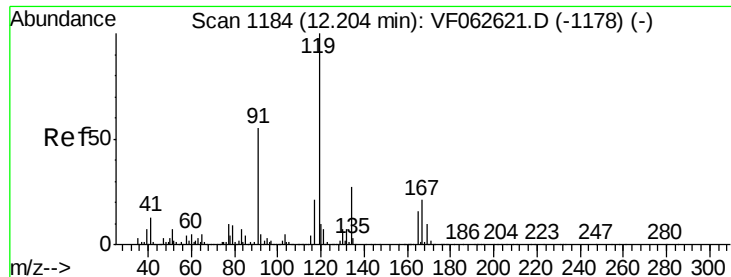
Tgt Ion: 91 Resp: 4452031

Ion Ratio Lower Upper

91 100

120 30.8 12.7 38.1





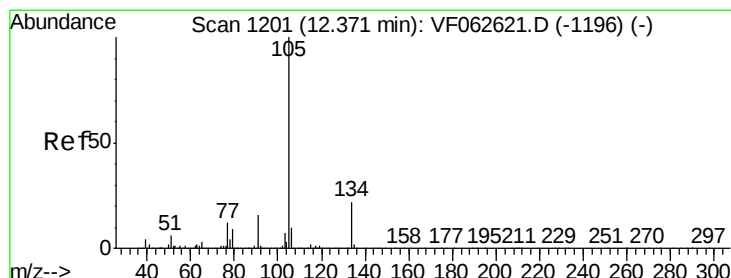
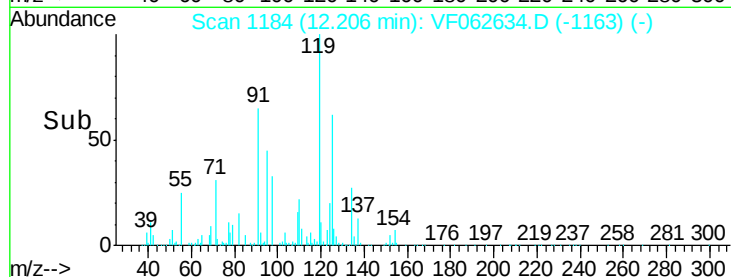
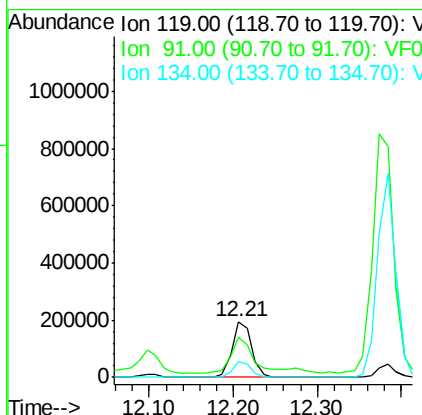
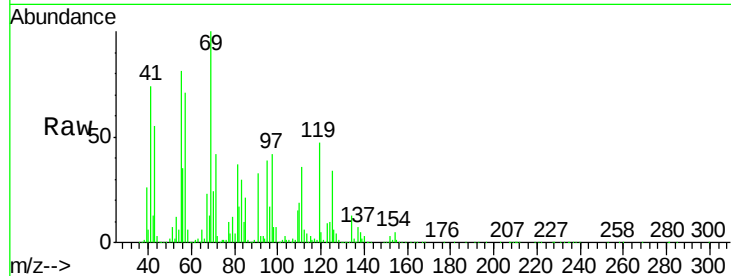
#83
tert-Butylbenzene
Concen: 87.442 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062634.D
Acq: 17 May 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
SB-03(25.5)

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.1	27.3	81.9
134	27.3	13.6	40.7

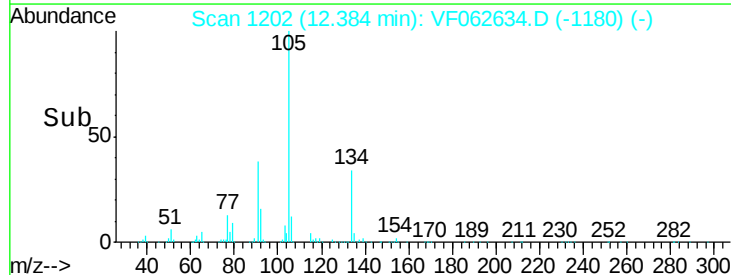
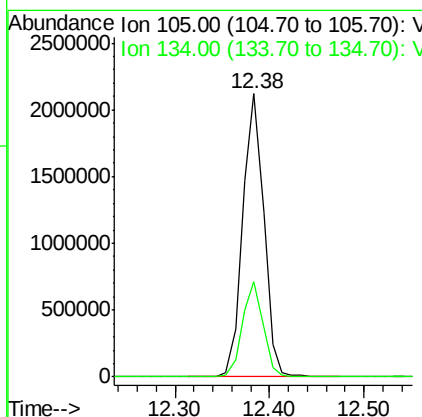
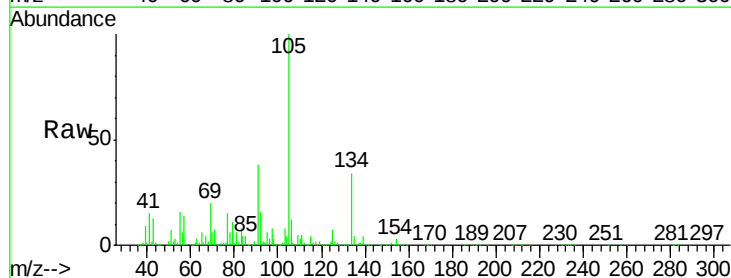
Manual Integrations
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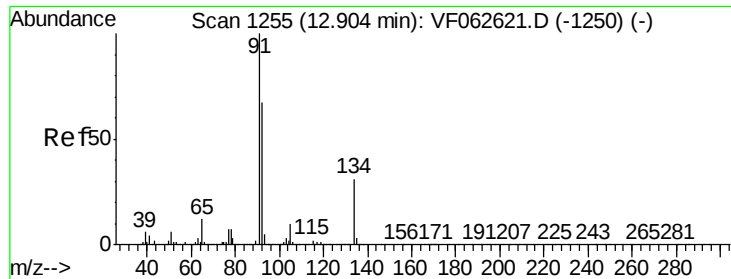
MMDadoda
5/20/2019 2:52:00 PM



#85
sec-Butylbenzene
Concen: 678.486 ug/l
RT: 12.38 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VF062634.D
Acq: 17 May 2019 12:45

Tgt Ion	Ratio	Lower	Upper
105	100		
134	33.7	10.8	32.4#





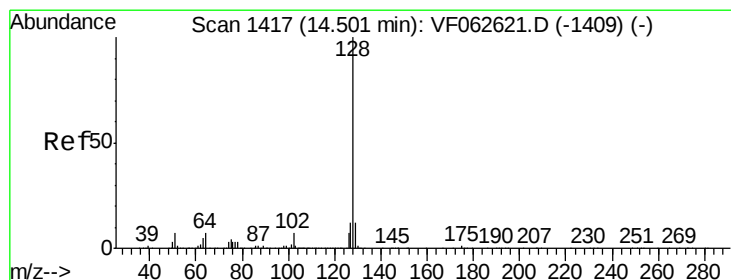
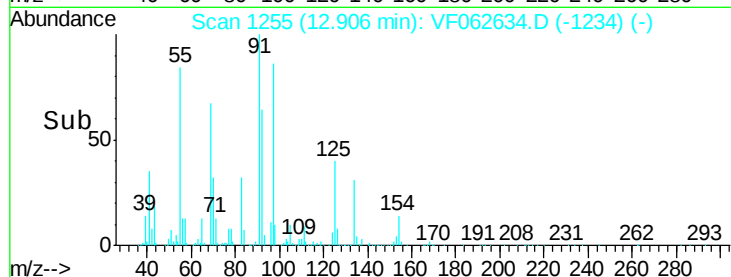
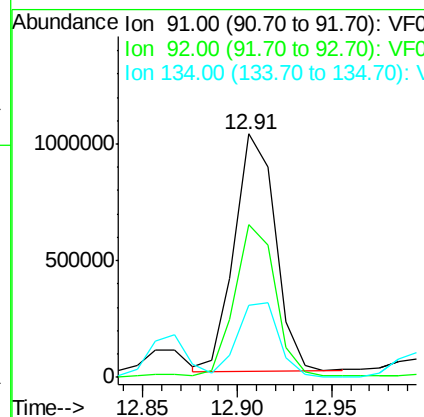
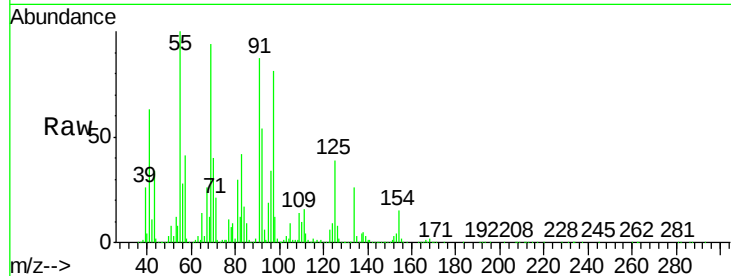
#89
n-Butylbenzene
Concen: 383.283 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062634.D
Acq: 17 May 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
SB-03(25.5)

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.5	33.3	99.8
134	29.8	15.4	46.4

Manual Integrations
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5/20/2019 2:52:00 PM



#95
Naphthalene
Concen: 930.194 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062634.D
Acq: 17 May 2019 12:45

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	9.7	14.5
129	15.8	9.3	13.9#

