

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050719\
 Data File : VF062368.D
 Acq On : 7 May 2019 20:13
 Operator : FY/SY
 Sample : VF0507SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 11:11:11 AM

Quant Time: May 08 01:37:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	362401	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	471992	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	379282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	229522	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	190296	55.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.12%	
35) Dibromofluoromethane	4.29	113	205681	54.70	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.40%	
50) Toluene-d8	7.70	98	520272	57.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.32%	
62) 4-Bromofluorobenzene	11.48	95	220285	53.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	78167	18.637	ug/l	94
3) Chloromethane	1.16	50	53815	19.455	ug/l	98
4) Vinyl Chloride	1.18	62	57164	20.718	ug/l	100
5) Bromomethane	1.40	94	43961	19.589	ug/l	99
6) Chloroethane	1.44	64	27798	20.039	ug/l	93
7) Trichlorofluoromethane	1.56	101	109372	19.105	ug/l	92
8) Diethyl Ether	1.70	74	17362	20.044	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.91	101	63889	19.548	ug/l	96
10) Methyl Iodide	1.98	142	110481	20.513	ug/l	98
11) Tert butyl alcohol	2.71	59	21293	110.006	ug/l	98
12) 1,1-Dichloroethene	1.87	96	53974	19.426	ug/l	98
13) Acrolein	2.09	56	16743	129.787	ug/l	95
14) Allyl chloride	2.19	41	34348	13.994	ug/l	94
15) Acrylonitrile	3.08	53	41523	113.247	ug/l	96
16) Acetone	2.34	43	63295	91.359	ug/l	97
17) Carbon Disulfide	1.91	76	125028m	20.637	ug/l	
18) Methyl Acetate	2.45	43	28622	20.826	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	121405	21.167	ug/l	94
20) Methylene Chloride	2.34	84	56582m	22.573	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	55081m	20.807	ug/l	
22) Diisopropyl ether	2.94	45	166642	21.724	ug/l	97
23) Vinyl Acetate	3.34	43	398842	116.658	ug/l	99
24) 1,1-Dichloroethane	2.99	63	91804	19.802	ug/l	98
25) 2-Butanone	4.51	43	95697	109.945	ug/l	100
26) 2,2-Dichloropropane	3.76	77	46519	17.967	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	72058	21.776	ug/l	96
28) Bromochloromethane	3.88	49	40106	19.074	ug/l	100
29) Tetrahydrofuran	4.27	42	43187	107.958	ug/l	97
30) Chloroform	4.03	83	132661	21.180	ug/l	100
31) Cyclohexane	3.85	56	79359m	21.445	ug/l	
32) 1,1,1-Trichloroethane	4.27	97	81732	15.225	ug/l	97
36) 1,1-Dichloropropene	4.45	75	91424	22.548	ug/l	98
37) Ethyl Acetate	4.29	43	39389	21.996	ug/l #	100
38) Carbon Tetrachloride	4.17	117	80002	17.199	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	90351	22.219	ug/l	96
40) Benzene	4.81	78	196334	21.990	ug/l	97
41) Methacrylonitrile	4.92	41	19991	20.562	ug/l	95
42) 1,2-Dichloroethane	5.11	62	80087	21.447	ug/l	96
43) Isopropyl Acetate	7.10	43	43286	23.471	ug/l	98
44) Trichloroethene	5.67	130	71930	21.931	ug/l	98
45) 1,2-Dichloropropane	6.40	63	48229	23.848	ug/l	97
46) Dibromomethane	6.25	93	37530	22.383	ug/l	97
47) Bromodichloromethane	6.54	83	87577	20.891	ug/l	95
48) Methyl methacrylate	6.87	41	31827	24.420	ug/l	94
49) 1,4-Dioxane	6.86	88	6109	448.549	ug/l #	72
51) 4-Methyl-2-Pentanone	8.39	43	159719	114.293	ug/l	98
52) Toluene	7.77	92	121925	22.136	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	68221	21.516	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	85771	23.244	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	39863	22.798	ug/l #	93
56) Ethyl methacrylate	8.74	69	41639	22.559	ug/l	98
57) 1,3-Dichloropropane	8.98	76	56882	21.537	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.43	63	74131	133.590	ug/l	98
59) 2-Hexanone	9.61	43	105927	109.601	ug/l	97
60) Dibromochloromethane	8.84	129	61319	21.442	ug/l	99
61) 1,2-Dibromoethane	9.12	107	47662	23.192	ug/l	95
64) Tetrachloroethene	8.29	164	74598	24.227	ug/l	96
65) Chlorobenzene	9.91	112	145921	23.253	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.04	131	71398	22.553	ug/l	97
67) Ethyl Benzene	10.01	91	253819	23.098	ug/l	98
68) m/p-Xylenes	10.24	106	189092	46.638	ug/l	97
69) o-Xylene	10.80	106	105262	24.026	ug/l	98
70) Styrene	10.88	104	153330	23.352	ug/l	98
71) Bromoform	10.87	173	38332	22.101	ug/l #	97
73) Isopropylbenzene	11.21	105	309141	22.719	ug/l	99
74) N-amyl acetate	11.44	43	68142	23.326	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	48539	22.783	ug/l	96
76) 1,2,3-Trichloropropane	11.86	75	35287	21.709	ug/l #	100
77) Bromobenzene	11.57	156	84851	23.760	ug/l	93
78) n-propylbenzene	11.66	91	328464	22.674	ug/l	100
79) 2-Chlorotoluene	11.79	91	205378	22.799	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	278993	23.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.92	75	13955m	22.840	ug/l	
82) 4-Chlorotoluene	11.96	91	205874	23.140	ug/l	100
83) tert-Butylbenzene	12.19	119	286729	22.876	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	260099	22.285	ug/l	99
85) sec-Butylbenzene	12.36	105	351375	23.032	ug/l	100
86) p-Isopropyltoluene	12.51	119	326113	23.007	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	151282	23.195	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	139061	22.091	ug/l	99
89) n-Butylbenzene	12.89	91	288524	22.879	ug/l	98
90) Hexachloroethane	12.97	117	63305	17.887	ug/l	66
91) 1,2-Dichlorobenzene	12.99	146	155003	24.554	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.68	75	9762	20.453	ug/l #	57

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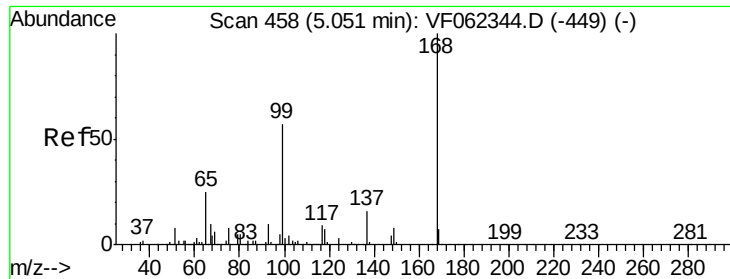
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	122738	21.676	µg/l	98
94) Hexachlorobutadiene	14.22	225	88006	20.853	µg/l	98
95) Naphthalene	14.49	128	188420	22.134	µg/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	120905	22.040	µg/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion:168 Resp: 362401

Ion Ratio Lower Upper

168 100

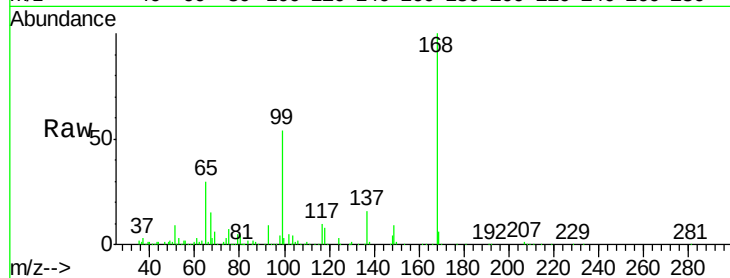
99 54.0 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

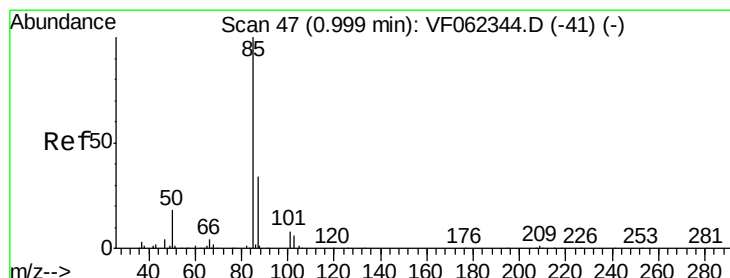
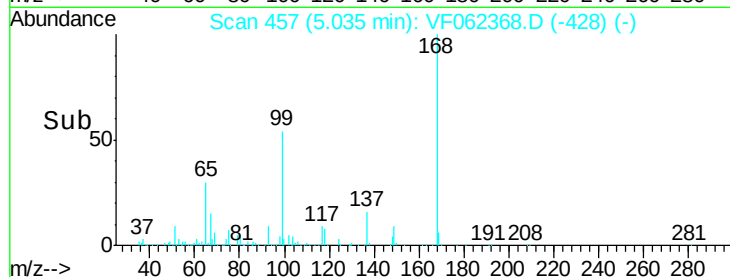
5.03

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.637 ug/l

RT: 0.99 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062368.D

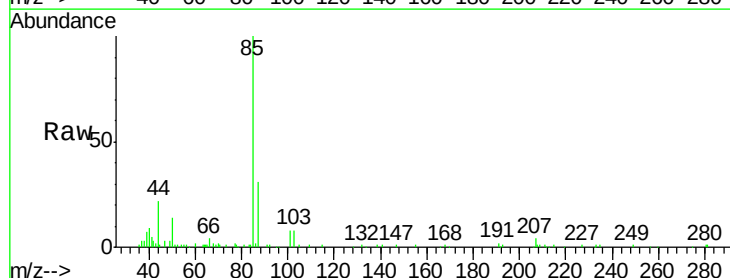
Acq: 7 May 2019 20:13

Tgt Ion: 85 Resp: 78167

Ion Ratio Lower Upper

85 100

87 30.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

0.99

25000

20000

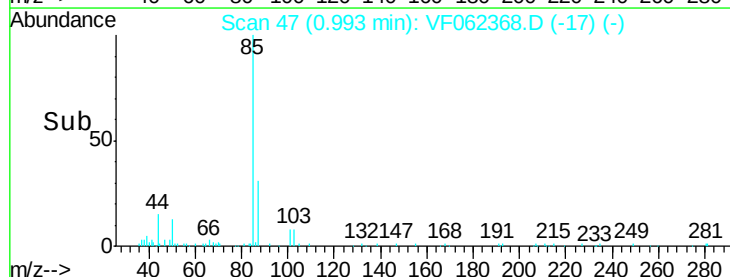
15000

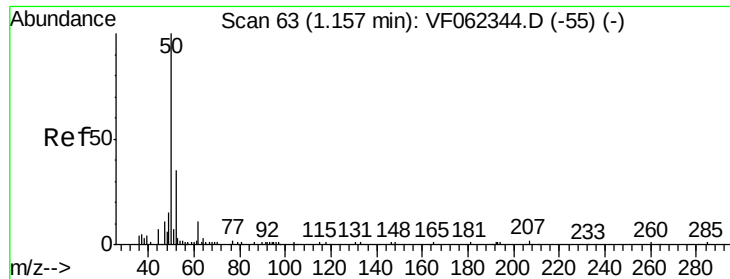
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.455 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBSD01

Tot Ion: 50 Resp: 53815

Ion Ratio Lower Upper

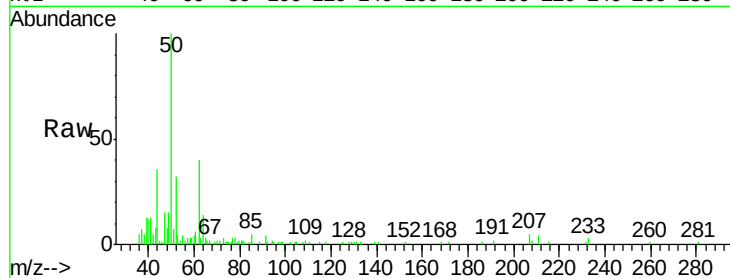
50 100

52 34.0 26.1 39.1

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Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0

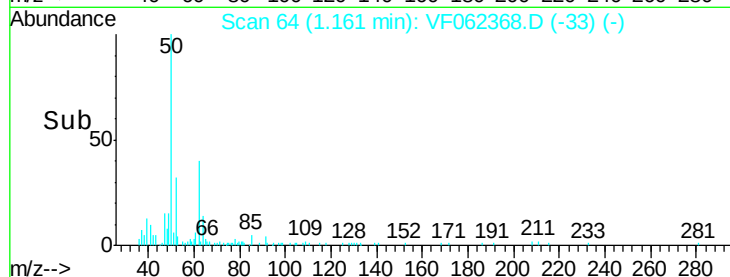
15000

10000

5000

0

Time-->

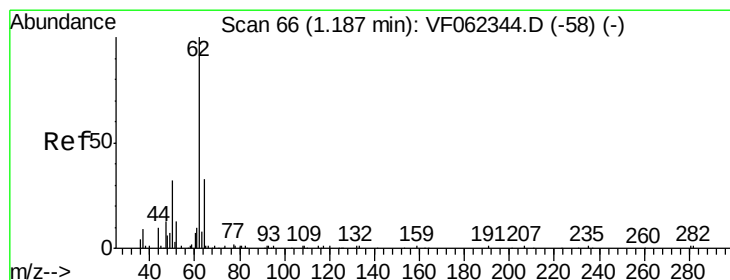


1.16

1.10

1.20

1.30



#4

Vinyl Chloride

Concen: 20.718 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062368.D

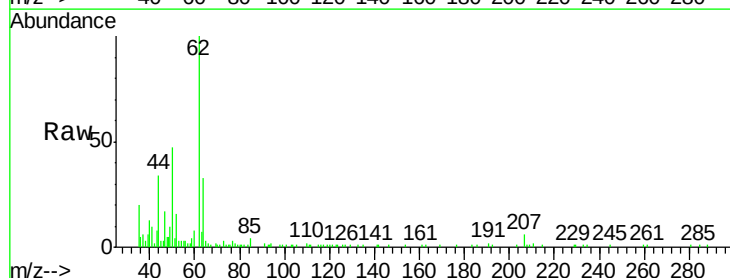
Acq: 7 May 2019 20:13

Tgt Ion: 62 Resp: 57164

Ion Ratio Lower Upper

62 100

64 32.7 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0

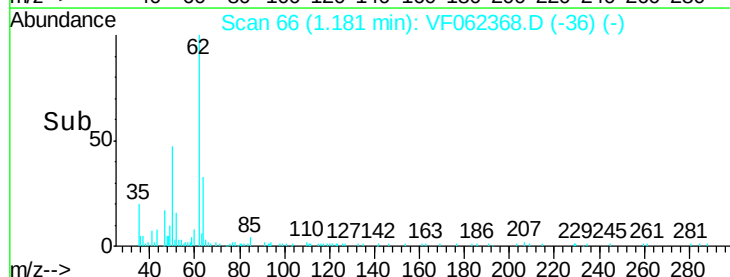
15000

10000

5000

0

Time-->



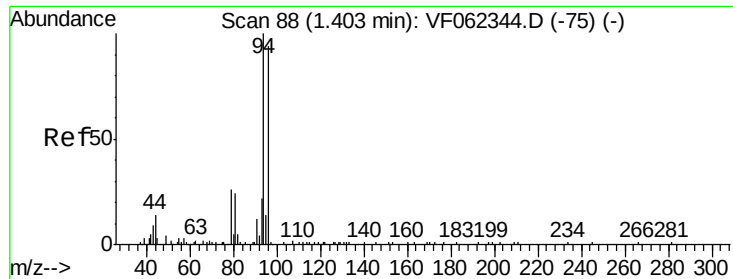
1.18

1.10

1.20

1.30

1.40



#5

Bromomethane

Concen: 19.589 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBSD01

Tot Ion: 94 Resp: 43961

Ion Ratio Lower Upper

94 100

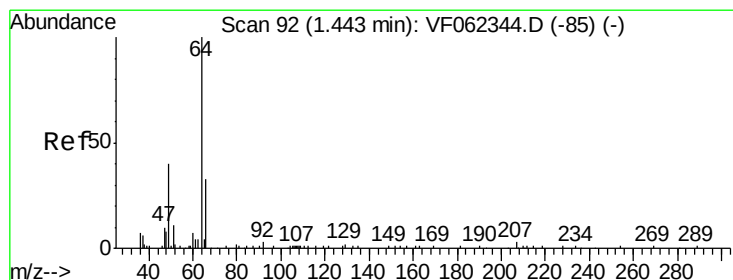
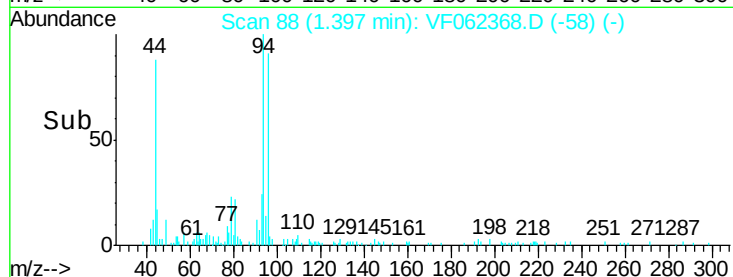
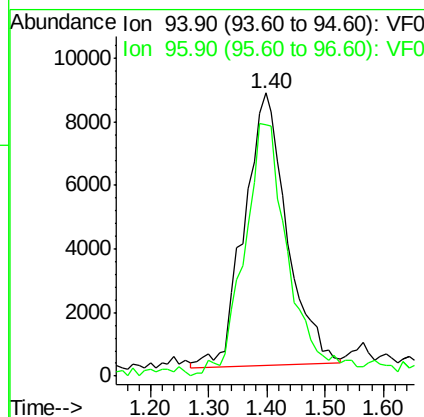
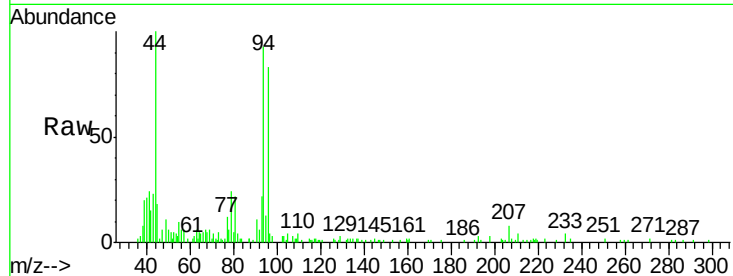
96 93.2 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 20.039 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062368.D

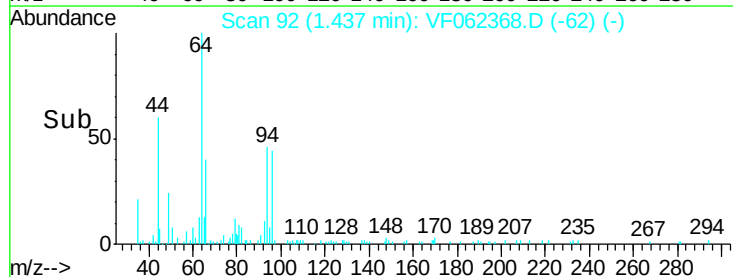
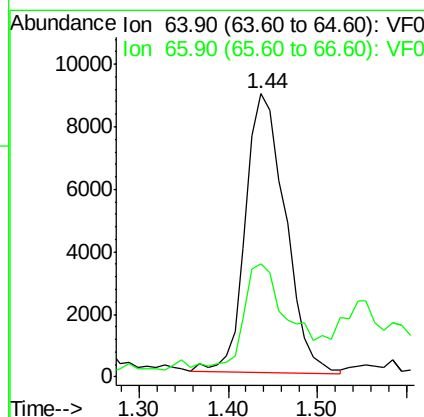
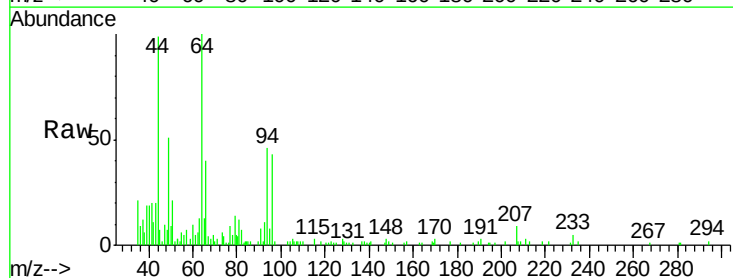
Acq: 7 May 2019 20:13

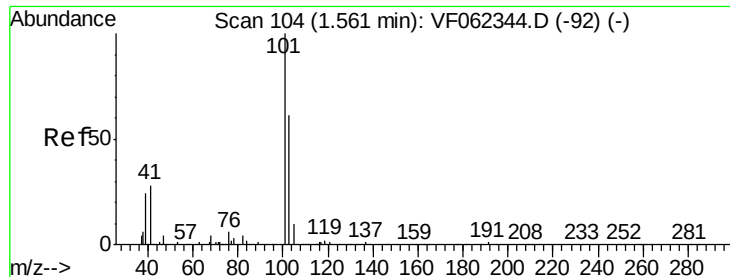
Tgt Ion: 64 Resp: 27798

Ion Ratio Lower Upper

64 100

66 37.3 26.6 39.8





#7

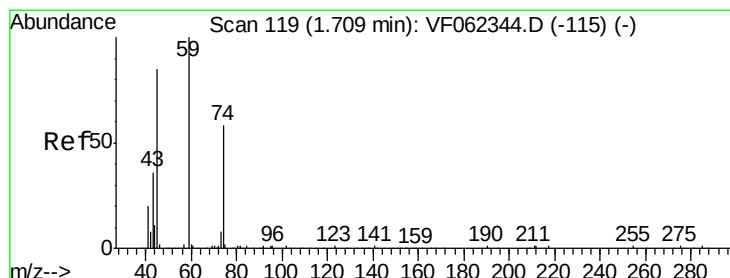
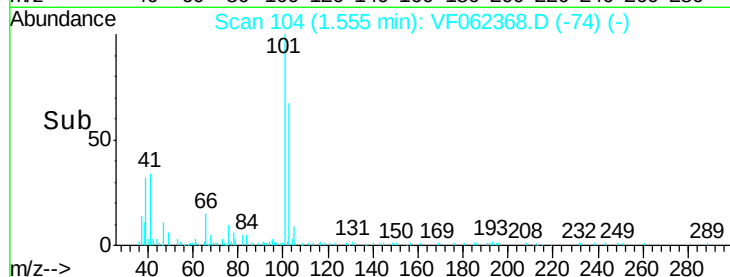
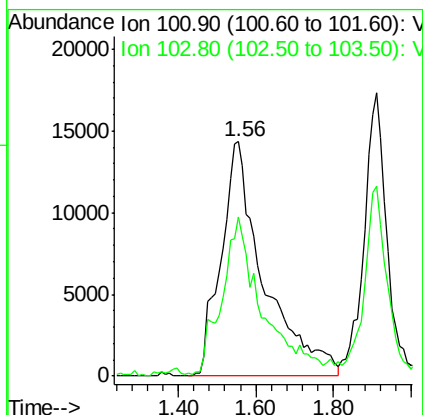
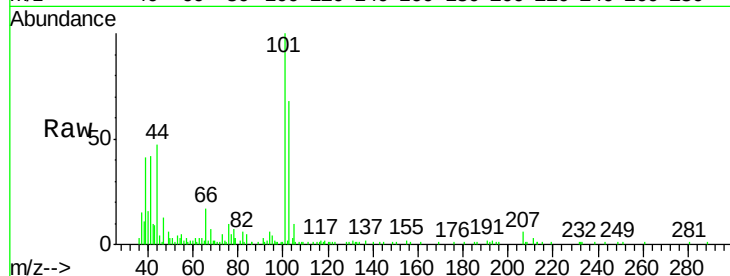
Trichlorofluoromethane
Concen: 19.105 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

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ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	48.5	72.7

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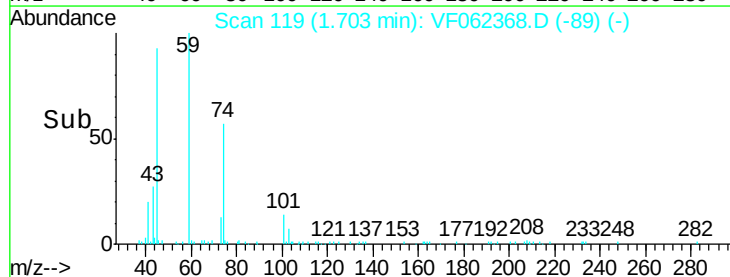
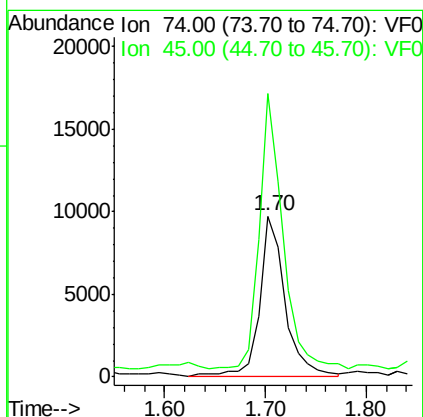
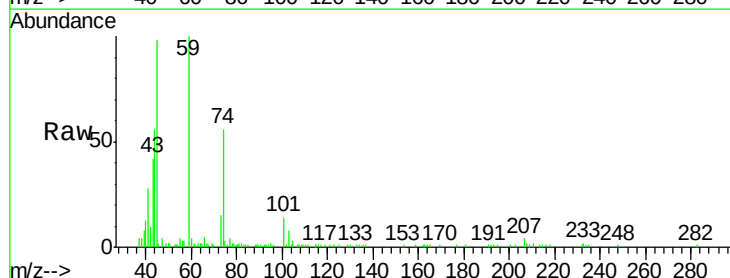
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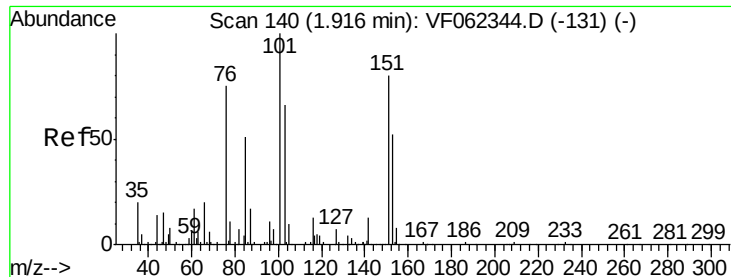


#8

Diethyl Ether
Concen: 20.044 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	155.8	73.9	221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.548 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

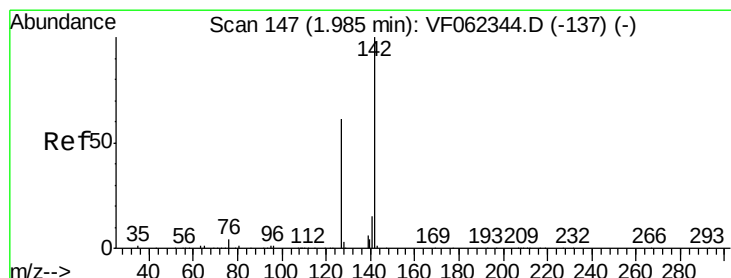
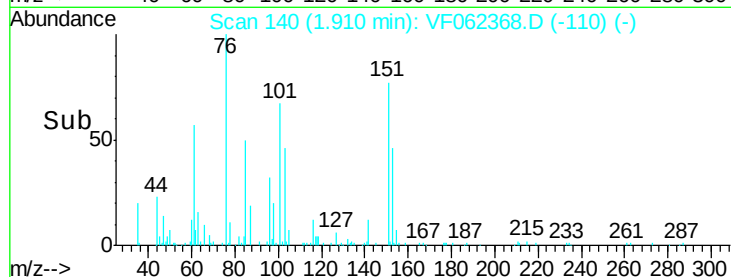
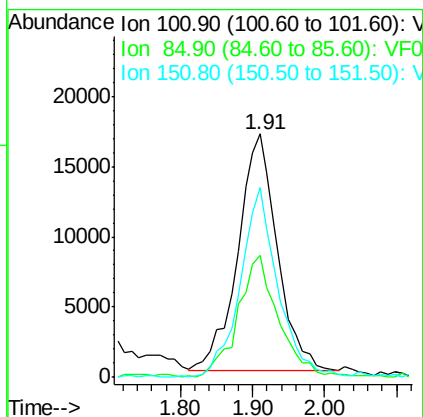
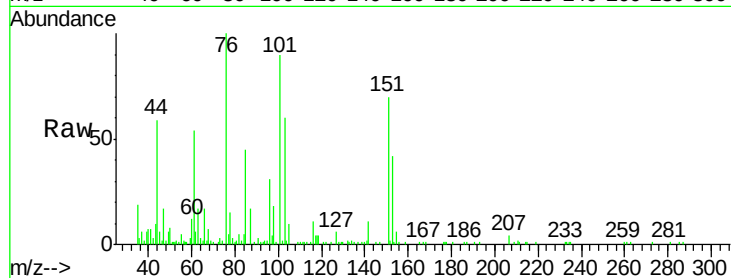
ClientSampleId :

VF0507SBSD01

Tot Ion:	101	Resp:	63889
Ion Ratio	Lower	Upper	
101	100		
85	54.0	39.5	59.3
151	76.7	59.9	89.9

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#10

Methyl Iodide

Concen: 20.513 ug/l

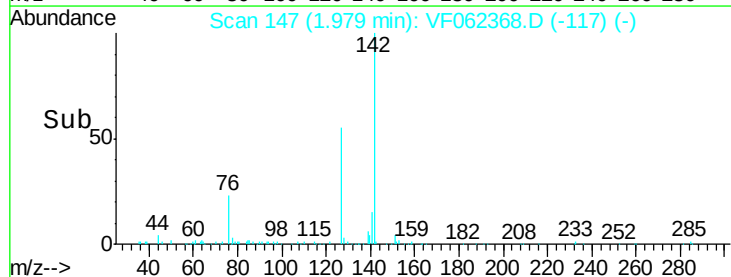
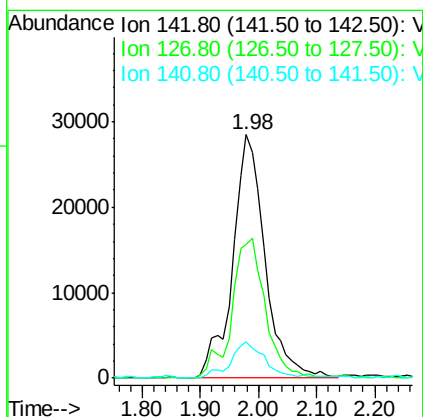
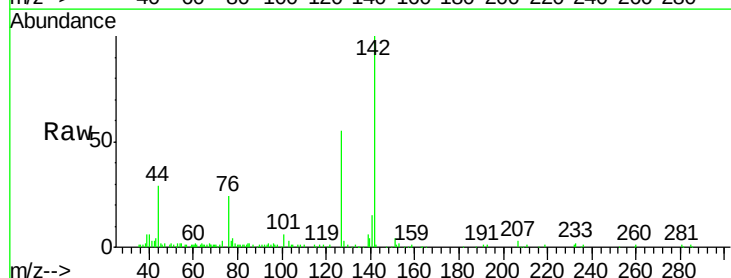
RT: 1.98 min Scan# 147

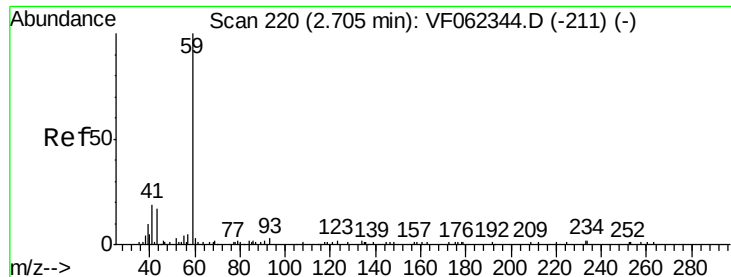
Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Tgt Ion:	142	Resp:	110481
Ion Ratio	Lower	Upper	
142	100		
127	59.1	48.4	72.6
141	15.4	12.2	18.4





#11

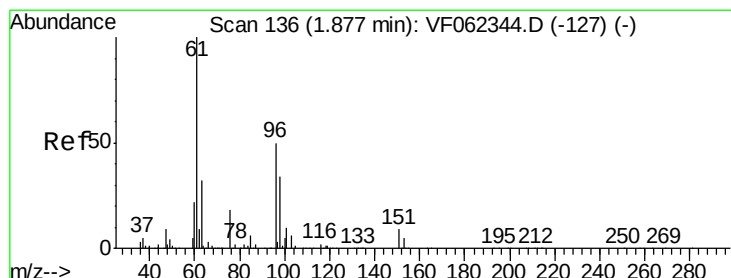
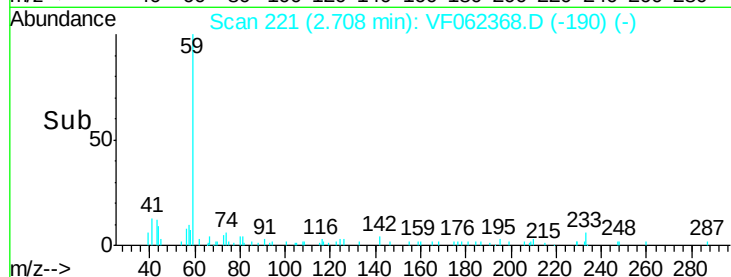
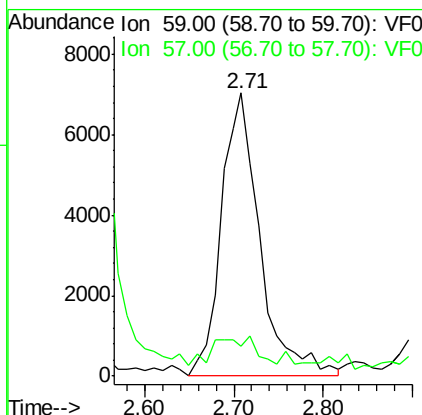
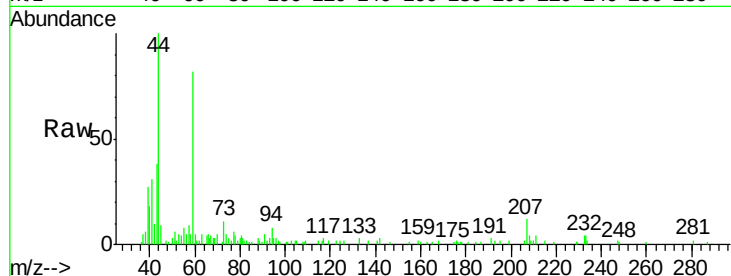
Tert butyl alcohol
Concen: 110.006 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.3	13.9

Manual Integrations
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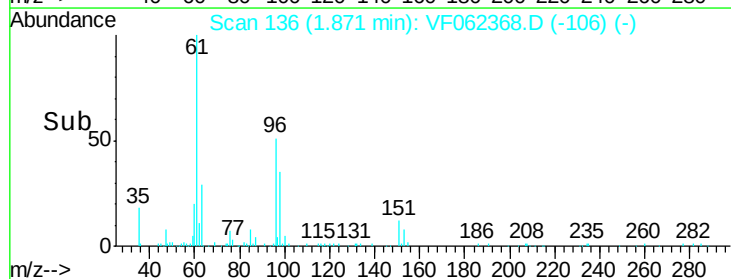
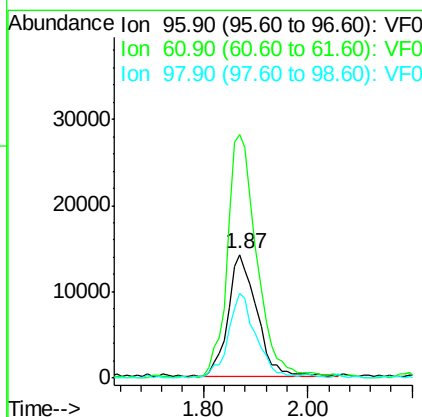
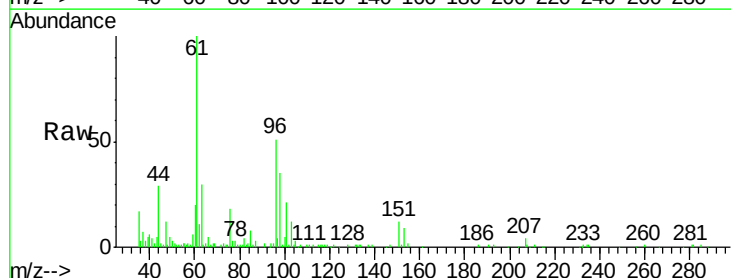
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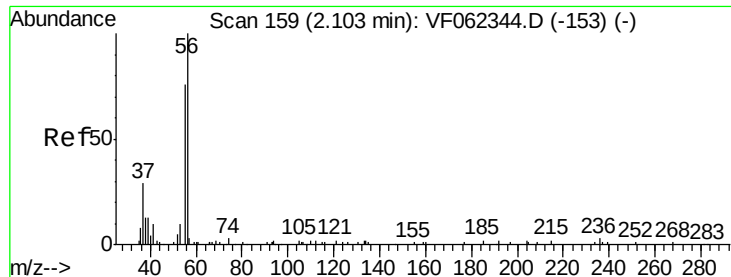


#12

1,1-Dichloroethene
Concen: 19.426 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	199.3	163.2	244.8
98	69.5	55.2	82.8





#13

Acrolein

Concen: 129.787 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 56 Resp: 16743

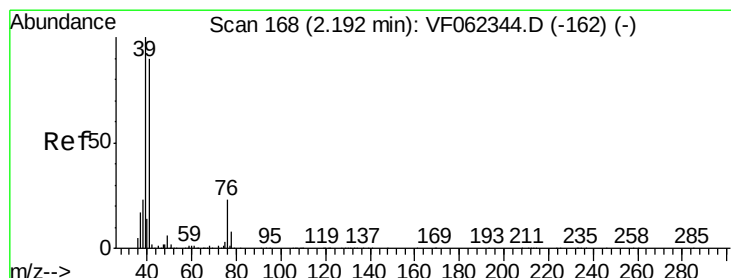
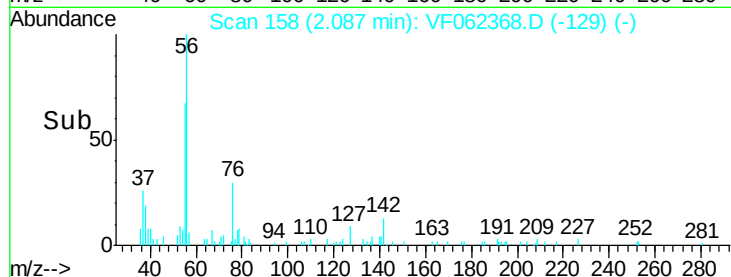
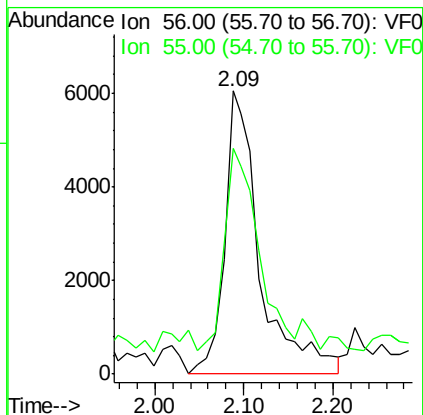
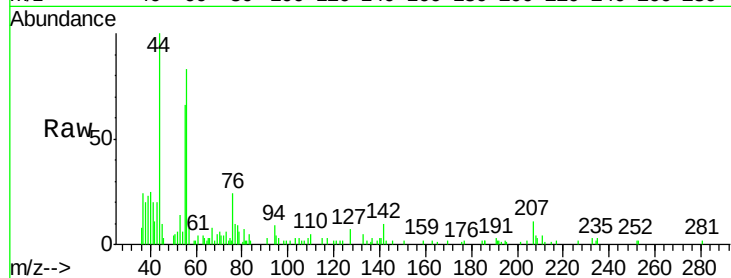
Ion Ratio Lower Upper

56 100

55 68.7 58.4 87.6

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#14

Allyl chloride

Concen: 13.994 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

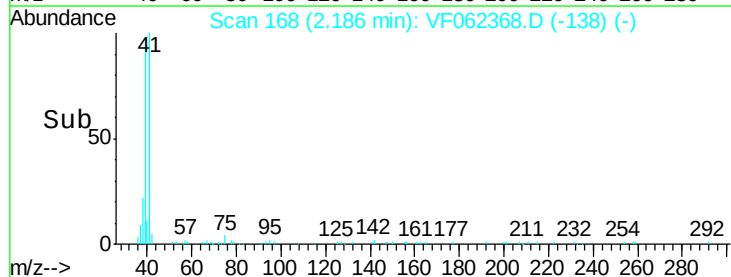
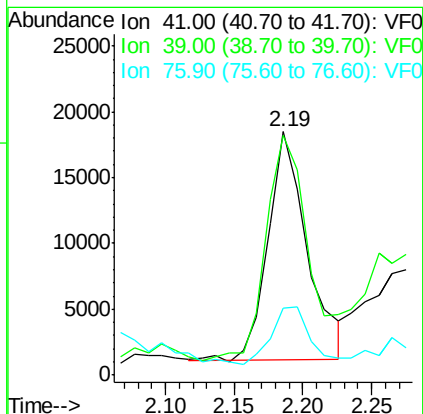
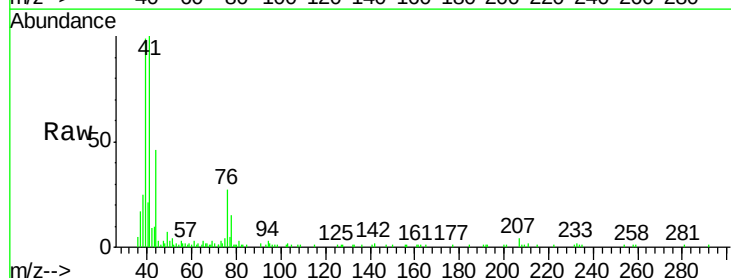
Tgt Ion: 41 Resp: 34348

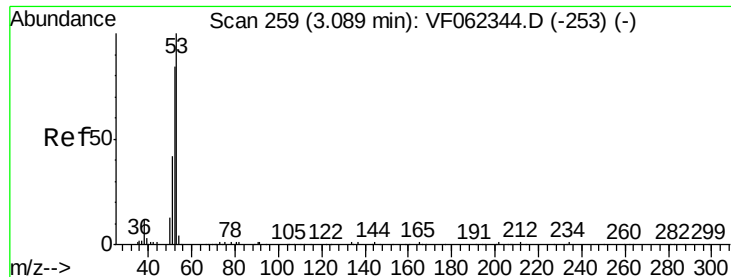
Ion Ratio Lower Upper

41 100

39 106.9 90.8 136.2

76 25.2 22.2 33.4





#15

Acrylonitrile

Concen: 113.247 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

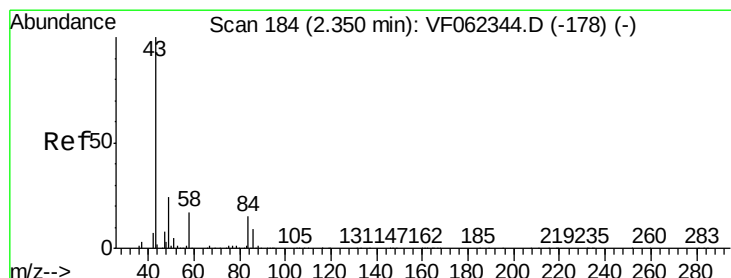
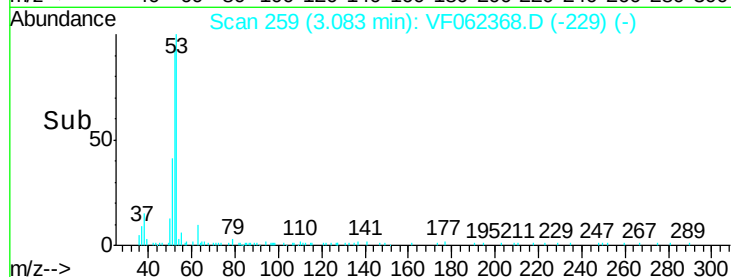
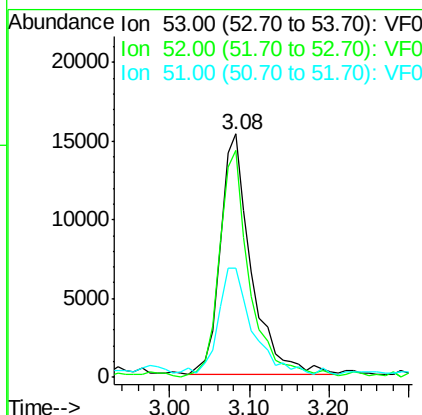
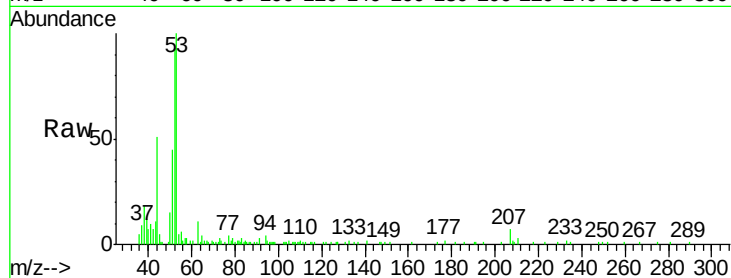
ClientSampleId :

VF0507SBS01

Tot Ion:	53	Resp:	41523
Ion Ratio	Lower	Upper	
53	100		
52	93.1	77.2	115.8
51	48.2	40.6	61.0

Manual Integrations
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#16

Acetone

Concen: 91.359 ug/l

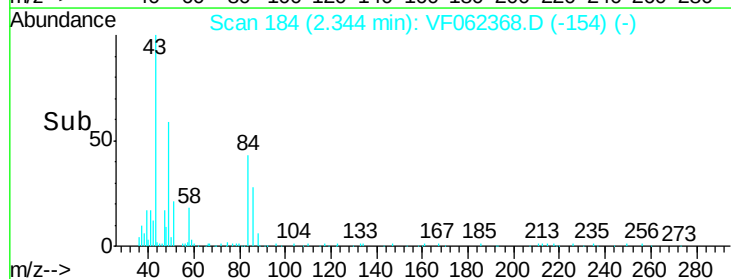
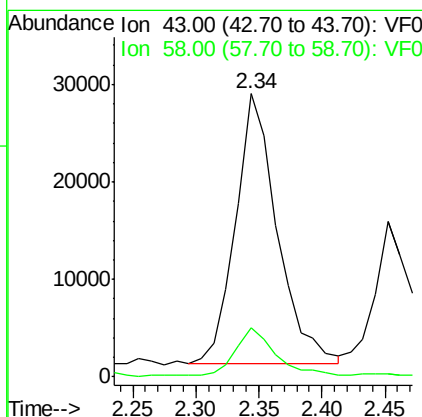
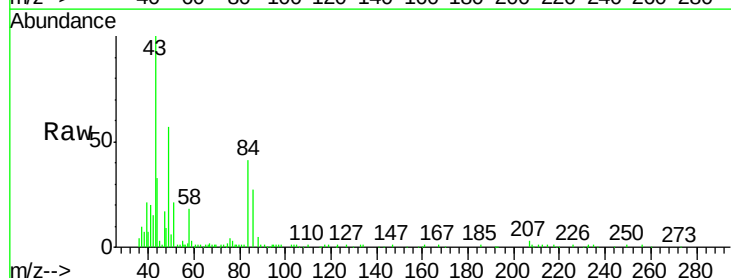
RT: 2.34 min Scan# 184

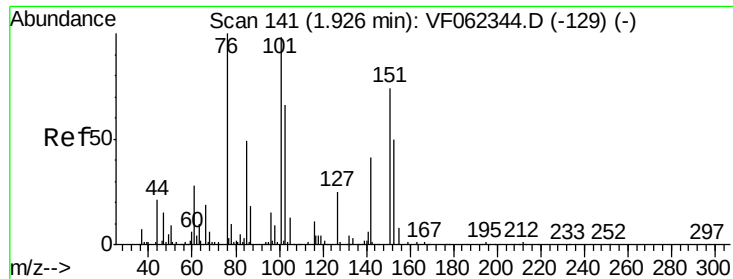
Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Tgt Ion:	43	Resp:	63295
Ion Ratio	Lower	Upper	
43	100		
58	17.8	13.1	19.7





#17

Carbon Disulfide

Concen: 20.637 ug/l m

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 76 Resp: 125028

Ion Ratio Lower Upper

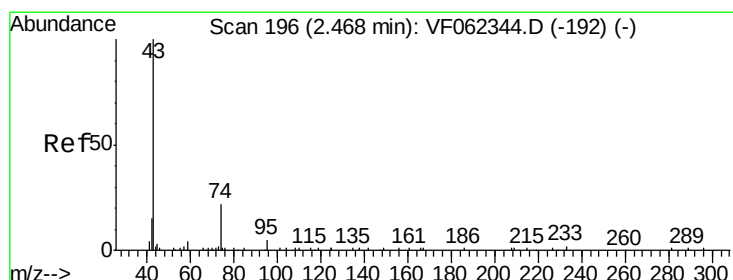
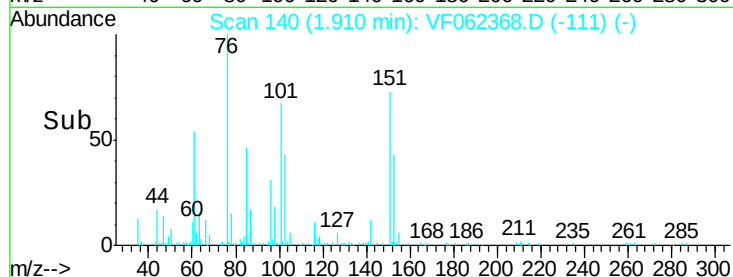
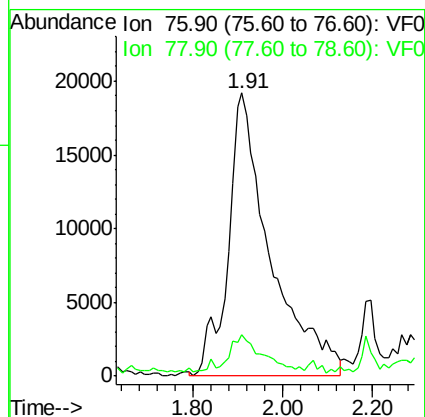
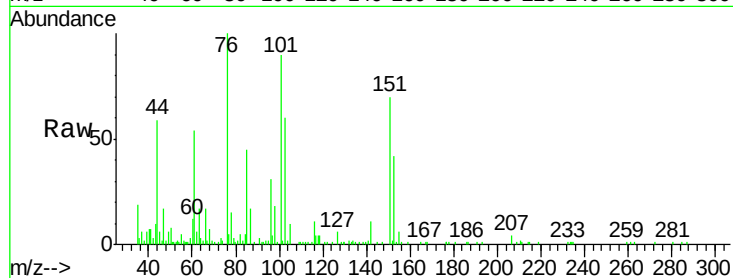
76 100

78 14.7 9.0 13.4#

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#18

Methyl Acetate

Concen: 20.826 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF062368.D

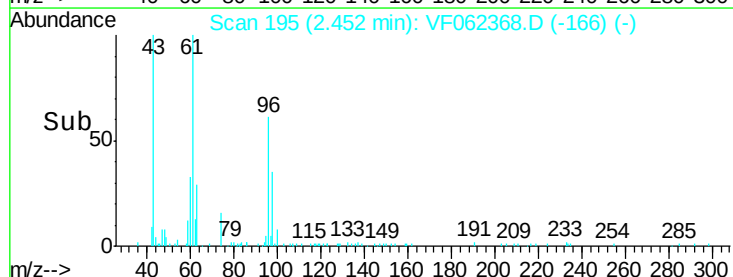
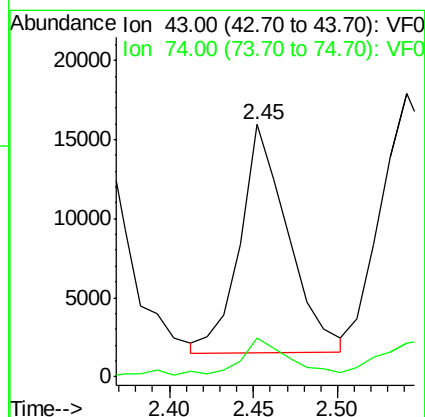
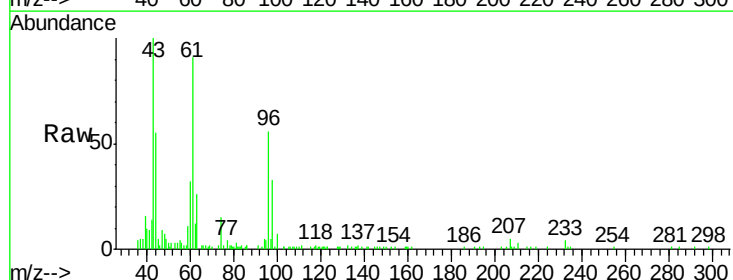
Acq: 7 May 2019 20:13

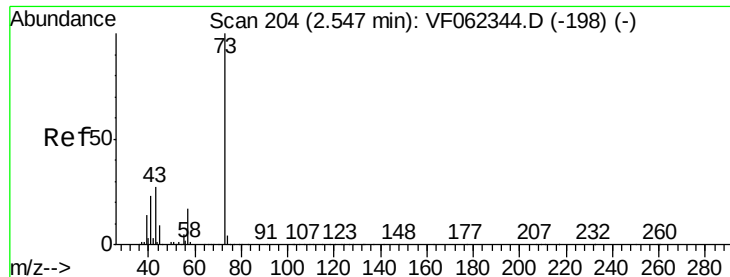
Tgt Ion: 43 Resp: 28622

Ion Ratio Lower Upper

43 100

74 15.9 15.0 22.4





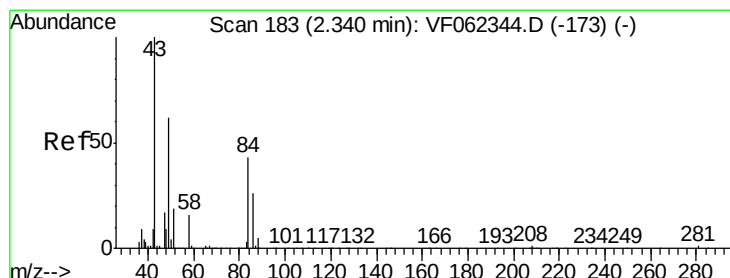
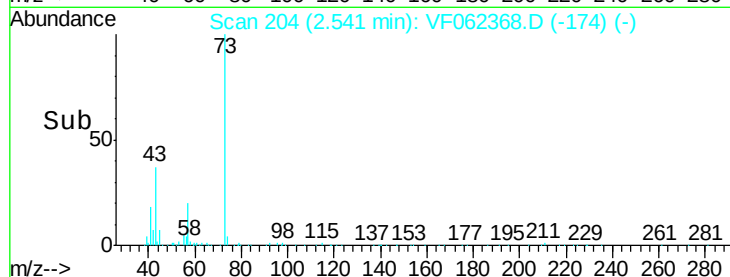
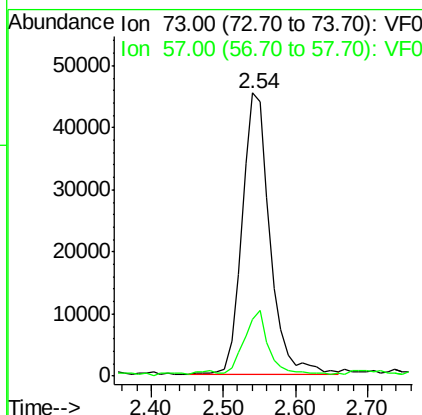
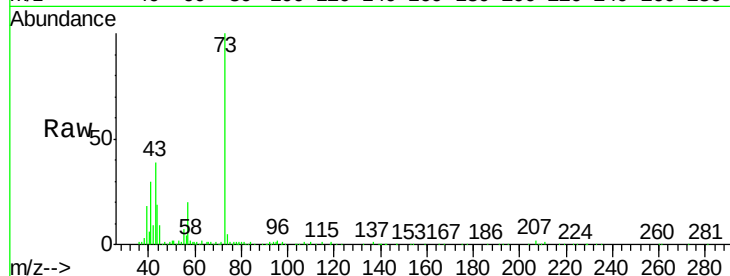
#19
Methyl tert-butyl Ether
Concen: 21.167 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.6	13.7	20.5

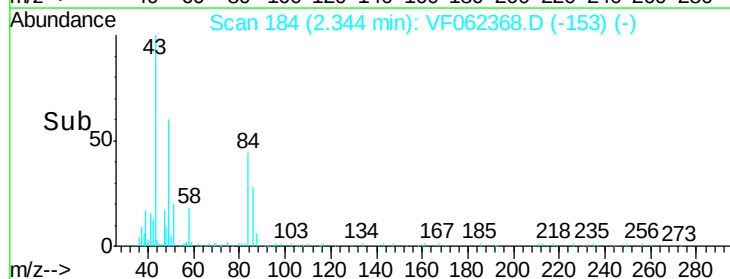
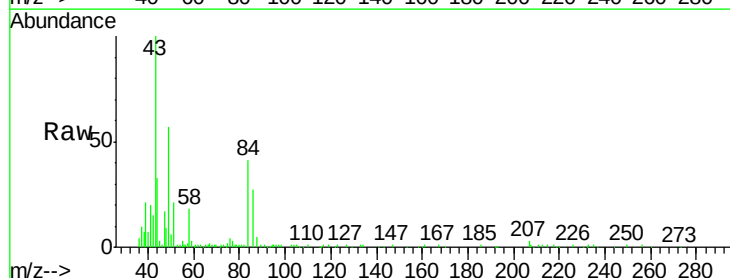
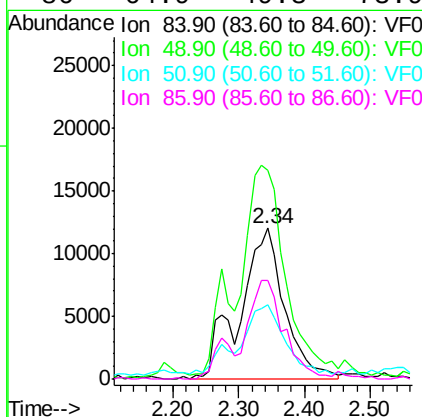
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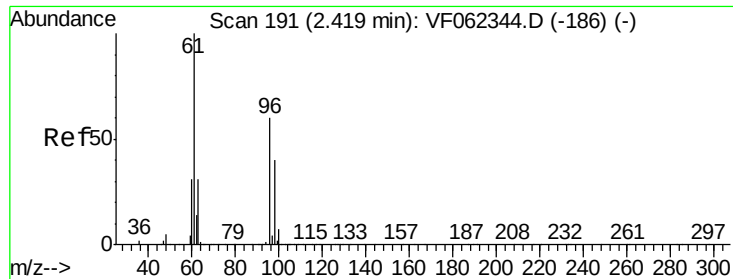
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#20
Methylene Chloride
Concen: 22.573 ug/l m
RT: 2.34 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.2	117.5	176.3
51	49.4	37.0	55.4
86	64.9	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 20.807 ug/l m

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

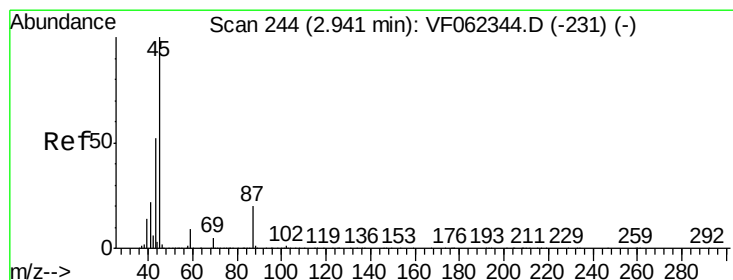
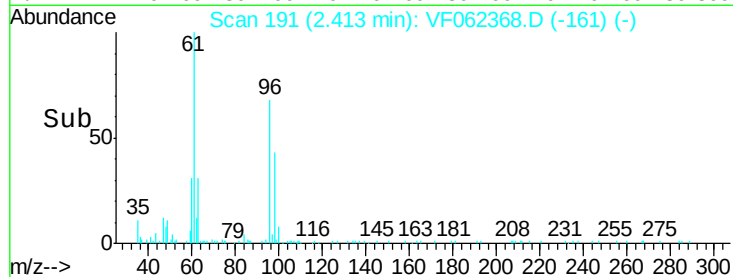
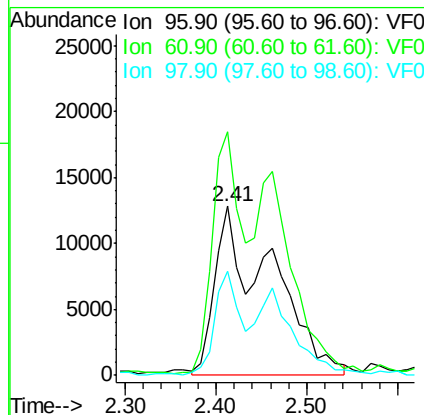
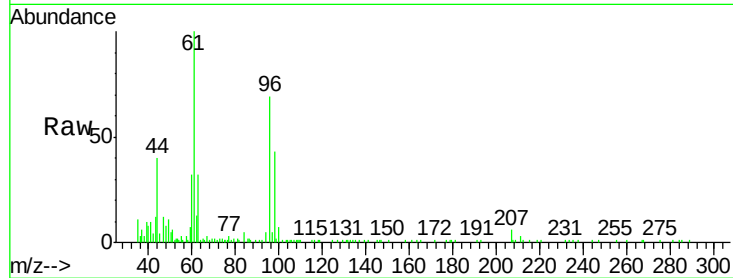
ClientSampleId :

VF0507SBS01

Tot Ion:	96	Resp:	55081
Ion	Ratio	Lower	Upper
96	100		
61	144.0	133.2	199.8
98	61.5	53.1	79.7

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#22

Diisopropyl ether

Concen: 21.724 ug/l

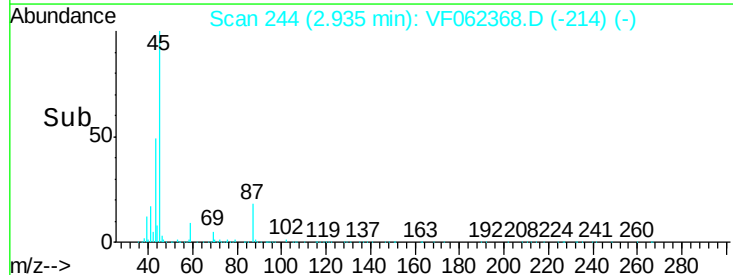
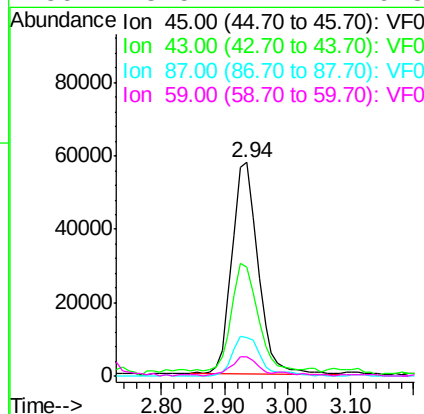
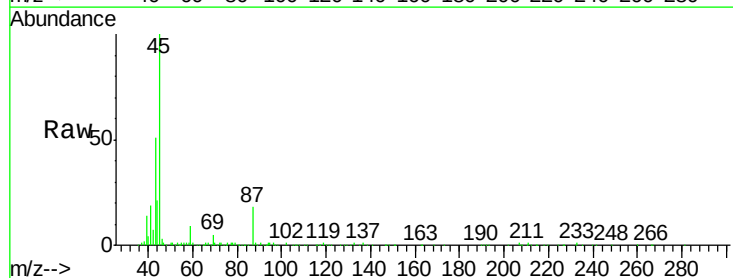
RT: 2.94 min Scan# 244

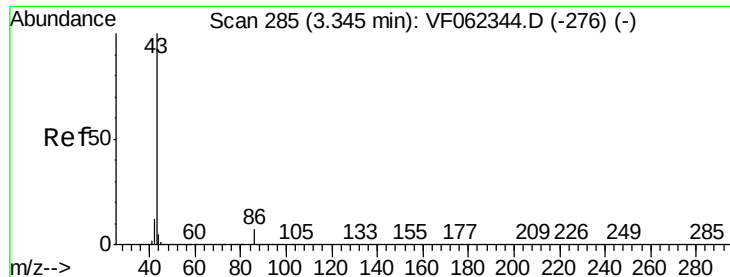
Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Tgt Ion:	45	Resp:	166642
Ion	Ratio	Lower	Upper
45	100		
43	49.4	41.4	62.0
87	18.1	15.8	23.6
59	8.5	7.2	10.8





#23

Vinyl Acetate

Concen: 116.658 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 43 Resp: 398842

Ion Ratio Lower Upper

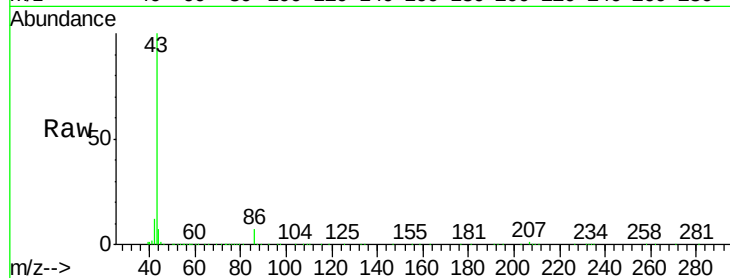
43 100

86 7.3 5.7 8.5

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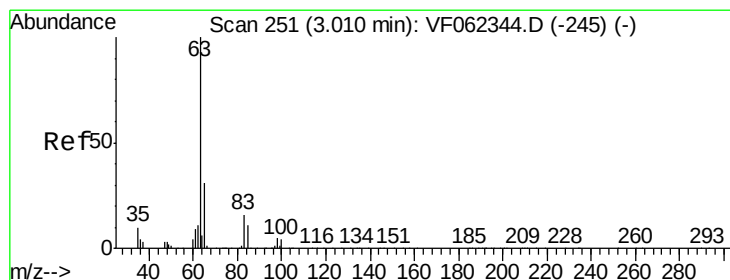
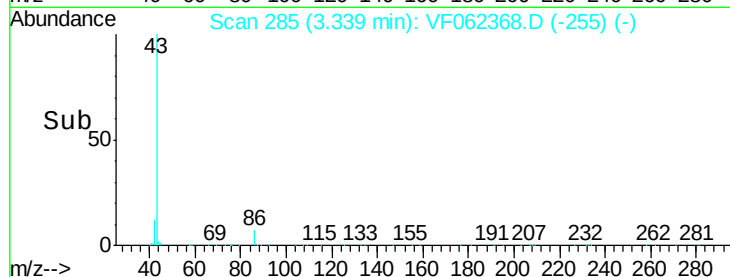
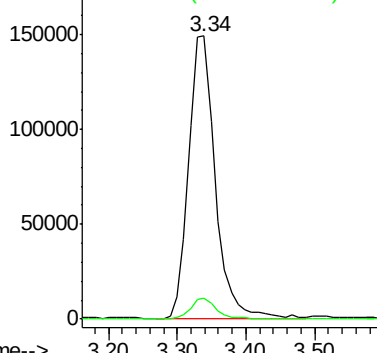
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 19.802 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

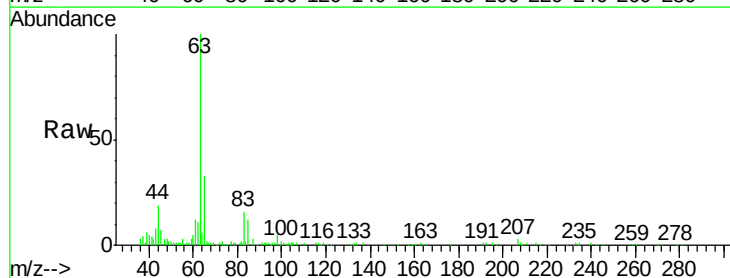
Tgt Ion: 63 Resp: 91804

Ion Ratio Lower Upper

63 100

98 5.0 2.6 8.0

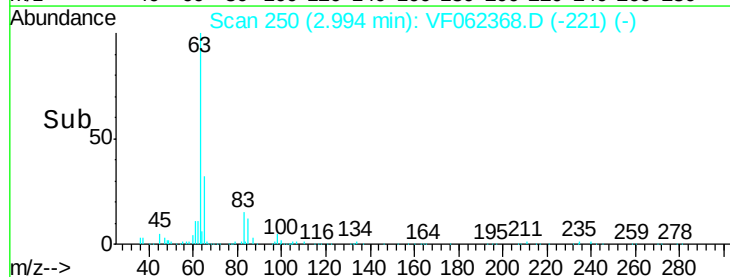
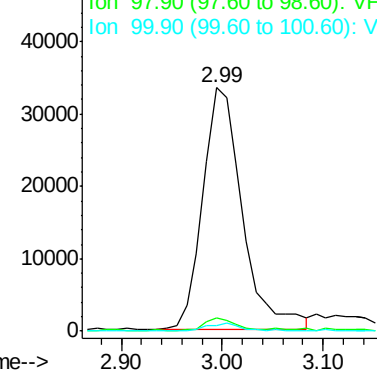
100 2.4 1.8 5.4

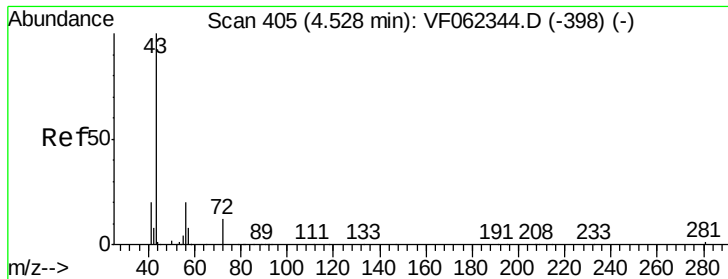


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 109.945 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBSD01

Tot Ion: 43 Resp: 95697

Ion Ratio Lower Upper

43 100

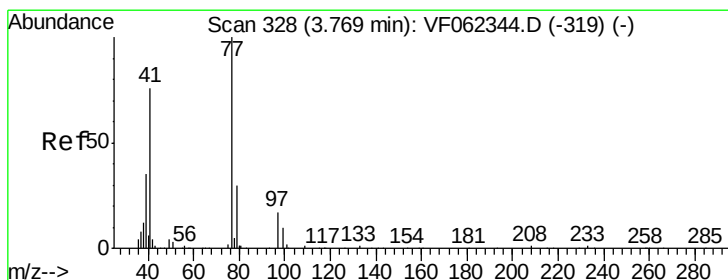
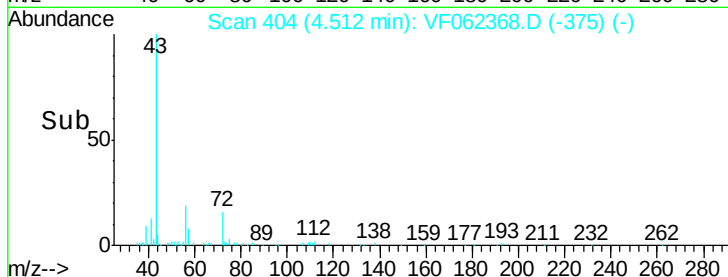
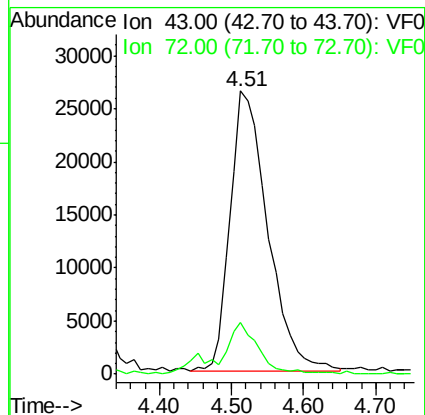
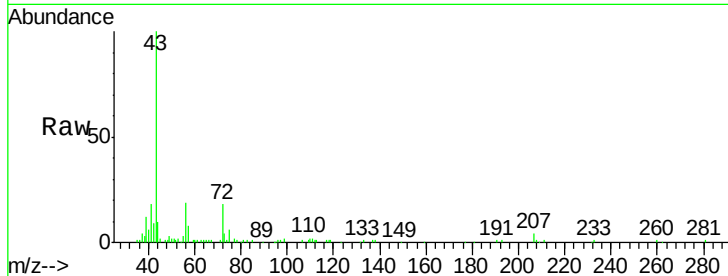
72 17.9 14.2 21.4

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#26

2,2-Dichloropropane

Concen: 17.967 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF062368.D

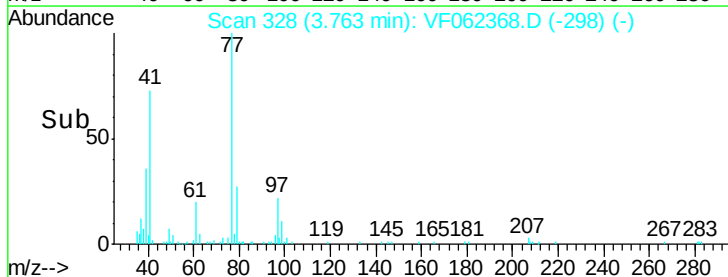
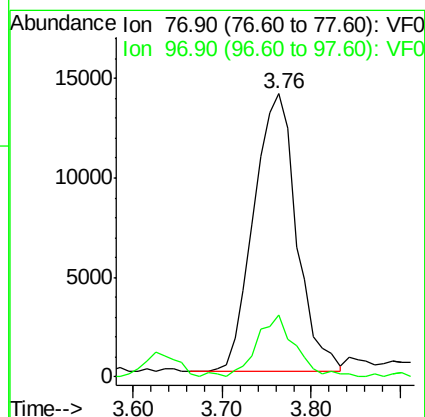
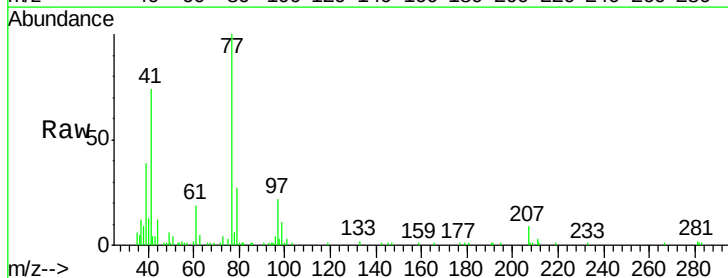
Acq: 7 May 2019 20:13

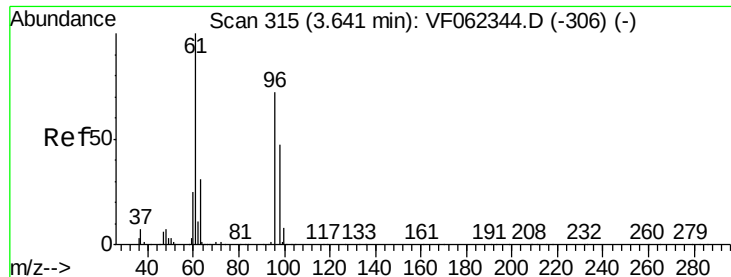
Tgt Ion: 77 Resp: 46519

Ion Ratio Lower Upper

77 100

97 20.4 9.5 28.5





#27

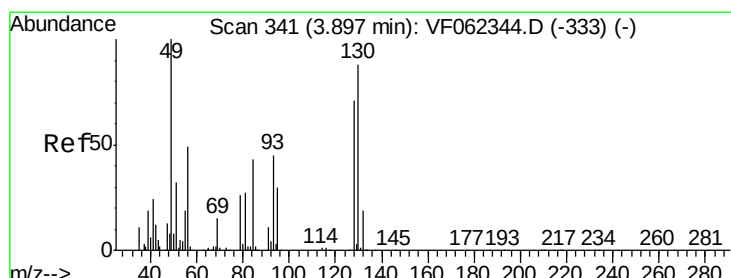
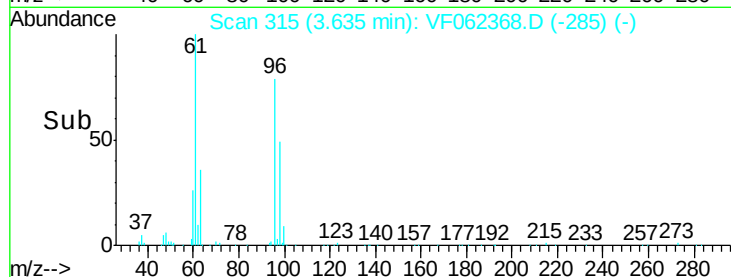
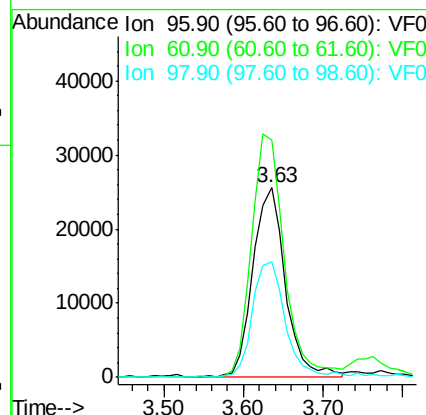
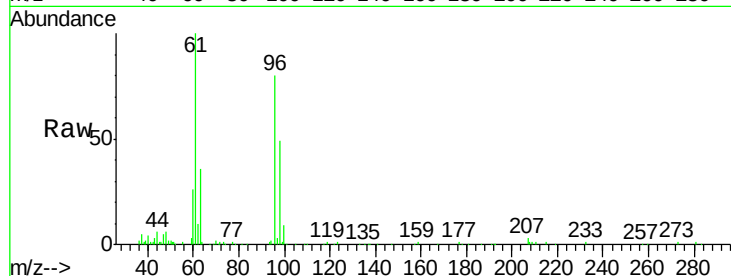
cis-1,2-Dichloroethene
Concen: 21.776 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	263.0
98	60.6	0.0	130.8

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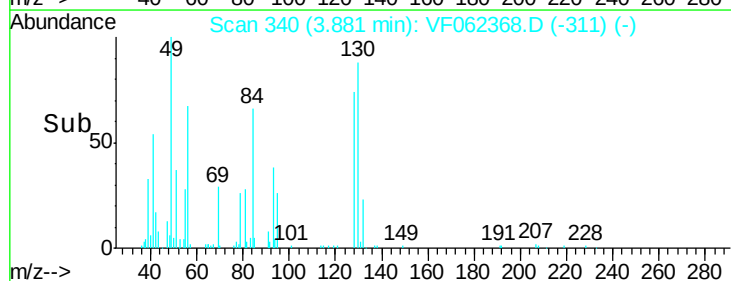
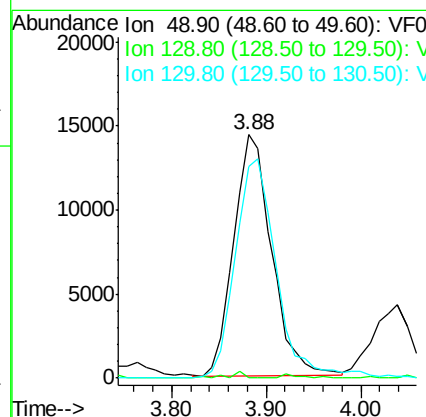
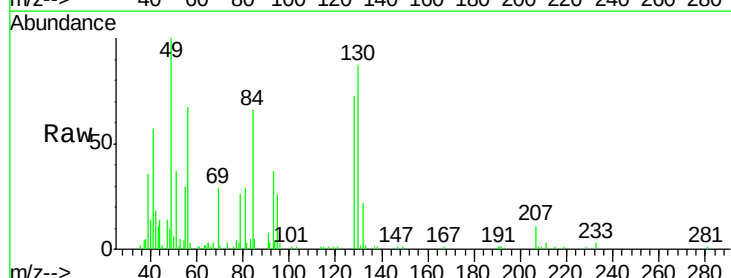
MMDadoda
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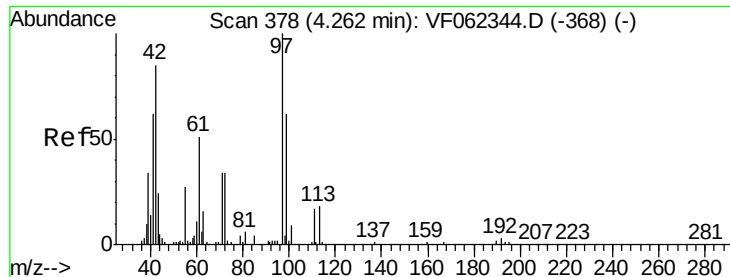


#28

Bromochloromethane
Concen: 19.074 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.2
130	98.8	79.4	119.0





#29

Tetrahydrofuran

Concen: 107.958 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

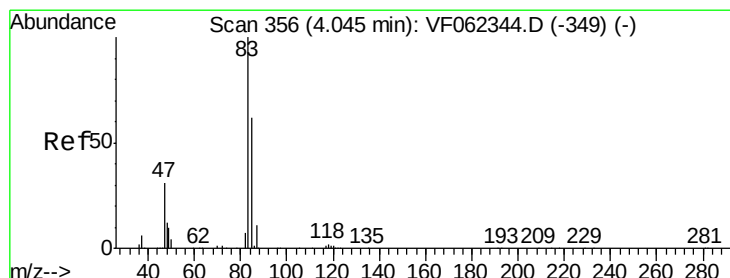
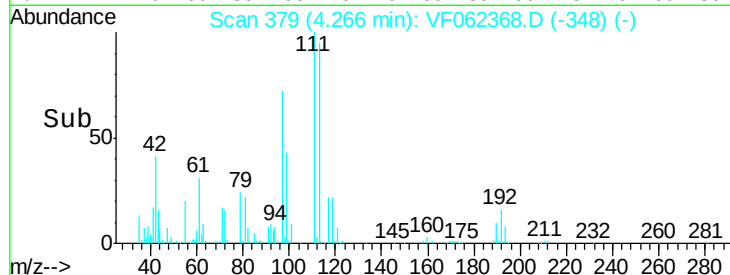
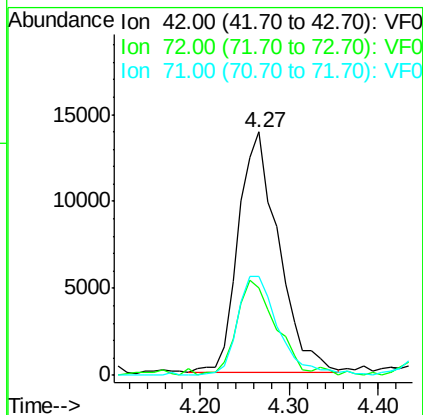
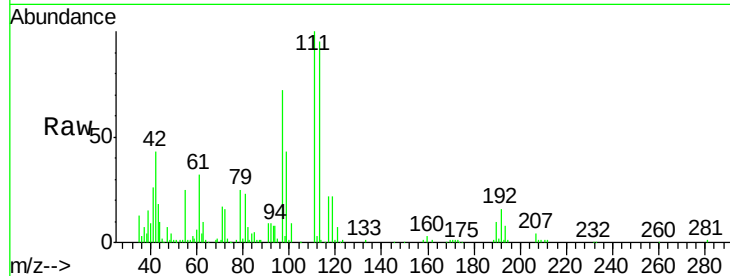
ClientSampleId :

VF0507SBS01

Tot Ion:	42	Resp:	43187
Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.4	47.0
71	42.4	31.7	47.5

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#30

Chloroform

Concen: 21.180 ug/l

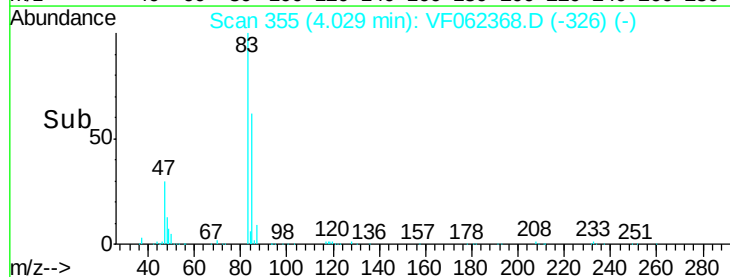
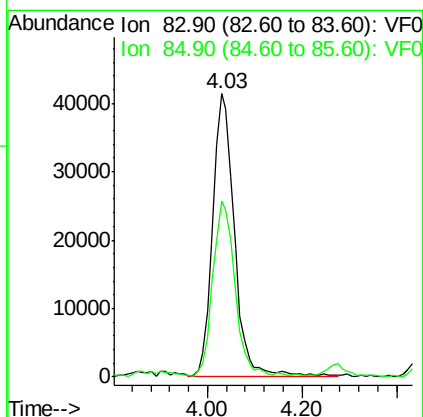
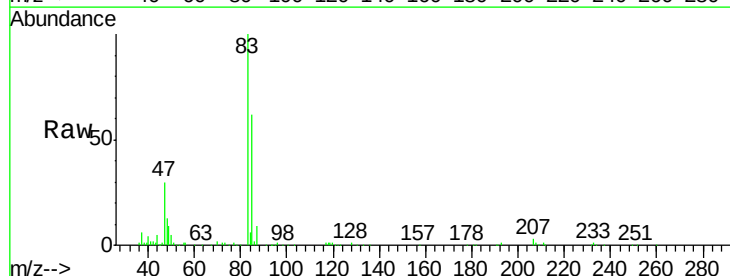
RT: 4.03 min Scan# 355

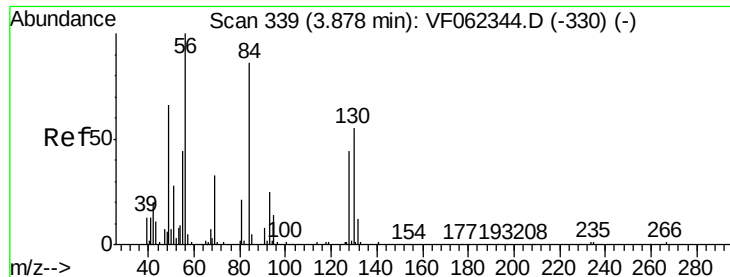
Delta R.T. -0.02 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Tgt Ion:	83	Resp:	132661
Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.6	74.4





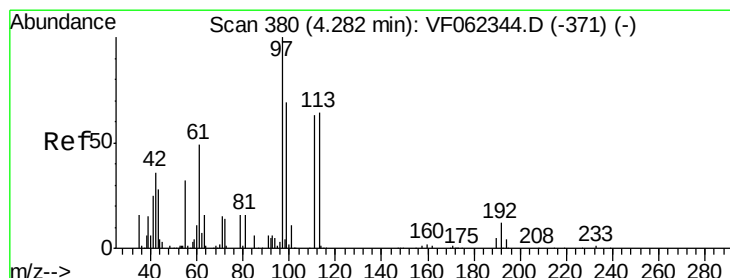
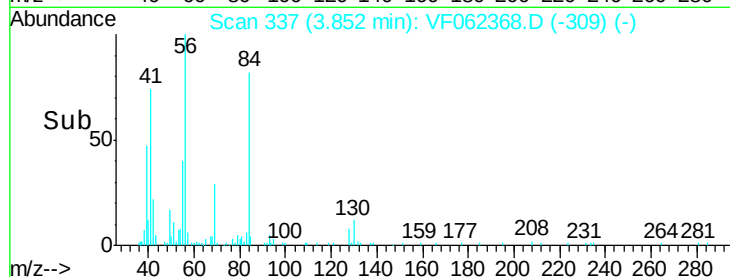
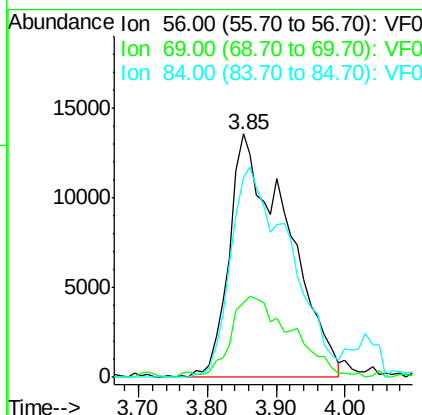
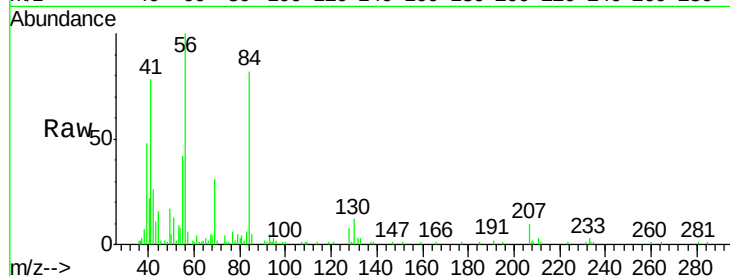
#31
Cyclohexane
Concen: 21.445 ug/l m
RT: 3.85 min Scan# 337
Delta R.T. -0.03 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	56	Resp	79359
Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.4	39.6
84	81.9	69.0	103.6

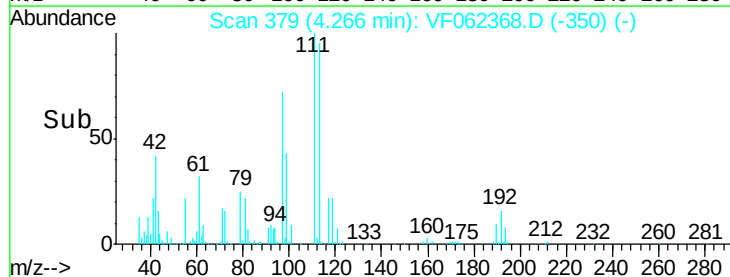
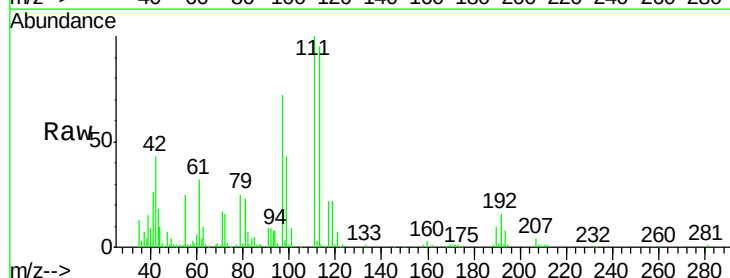
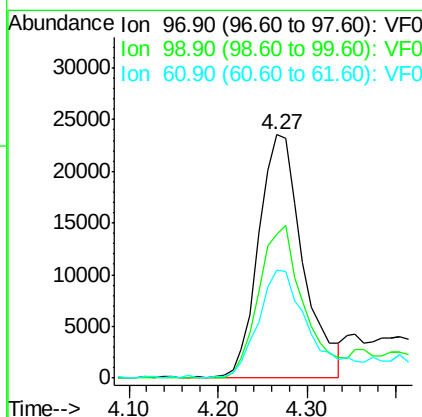
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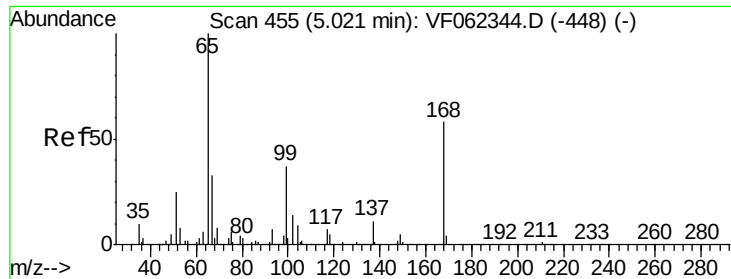
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#32
1,1,1-Trichloroethane
Concen: 15.225 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	97	Resp	81732
Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.6	78.8
61	51.5	39.4	59.0





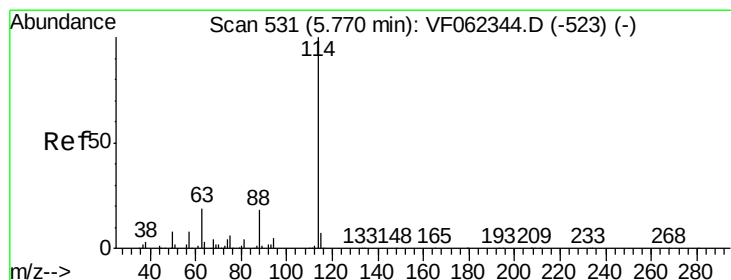
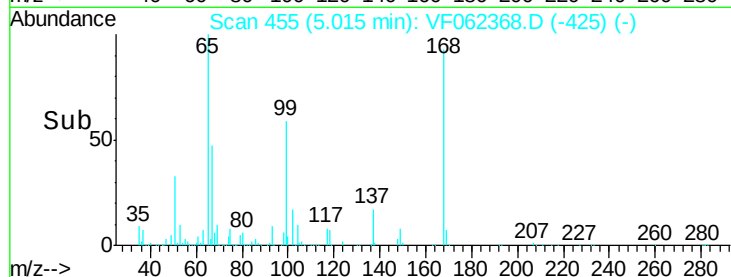
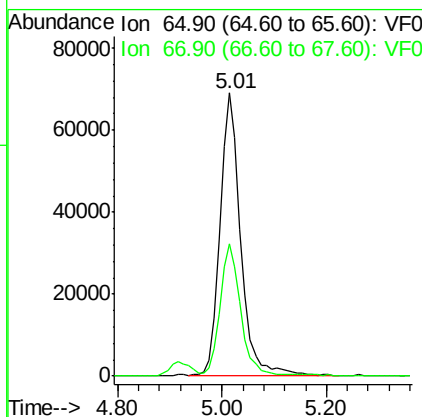
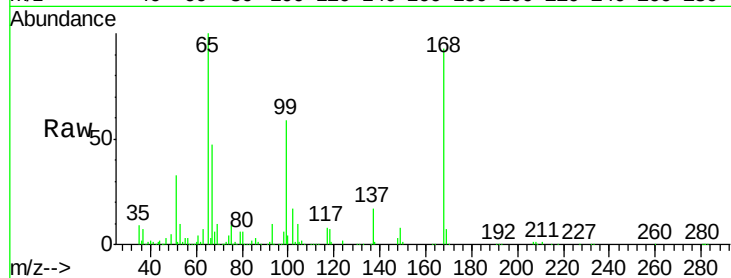
#33
 1,2-Dichloroethane-d4
 Concen: 55.563 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190296		
67	44.9	0.0	85.8	

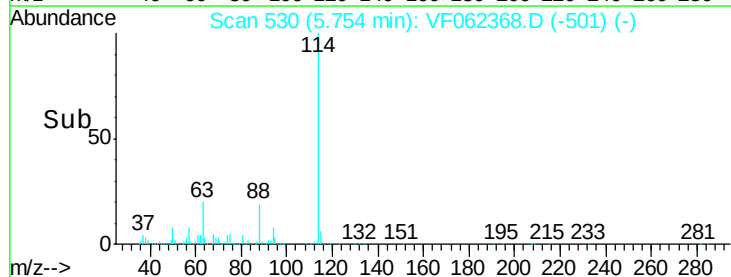
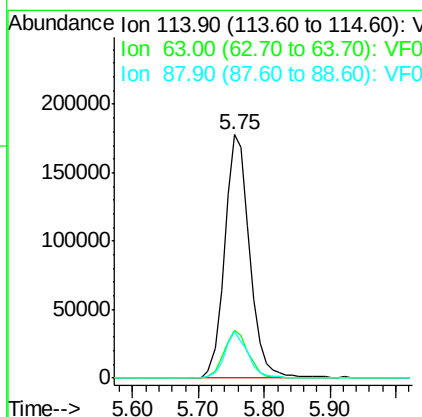
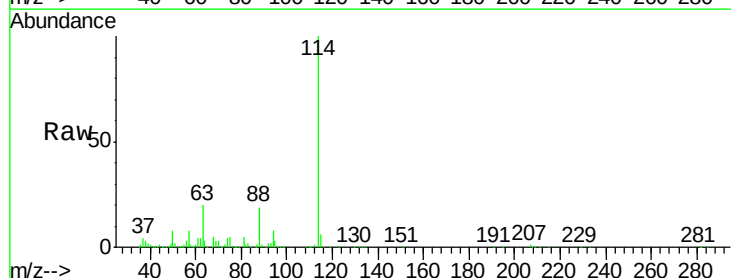
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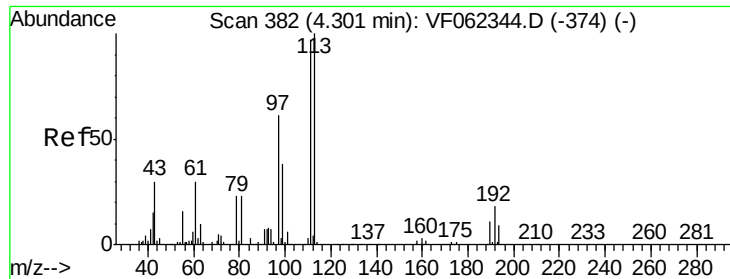
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	471992		
63	19.8	0.0	37.4	
88	18.9	0.0	36.4	





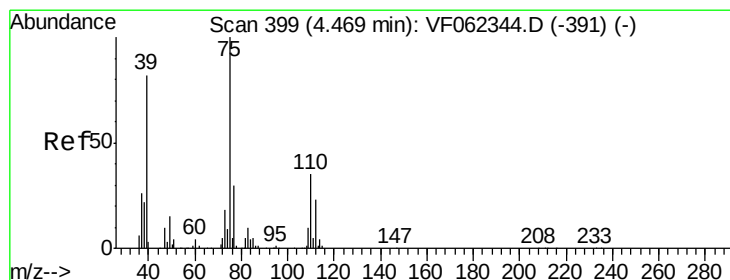
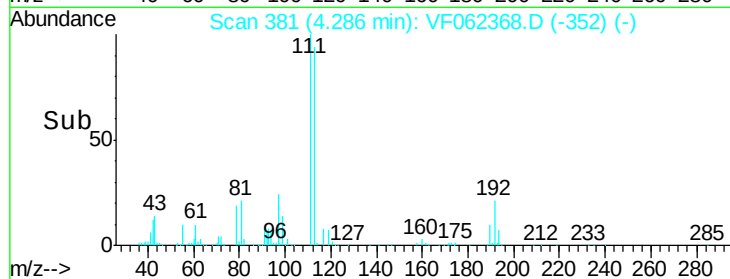
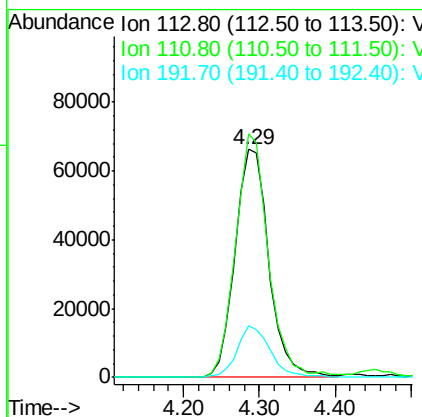
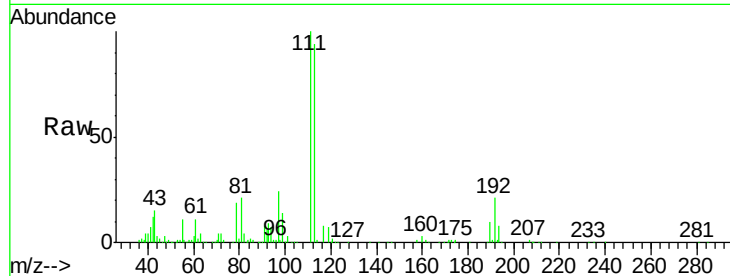
#35
 Dibromofluoromethane
 Concen: 54.698 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.02 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205681		
111	103.1		79.4	119.0
192	21.7		16.0	24.0

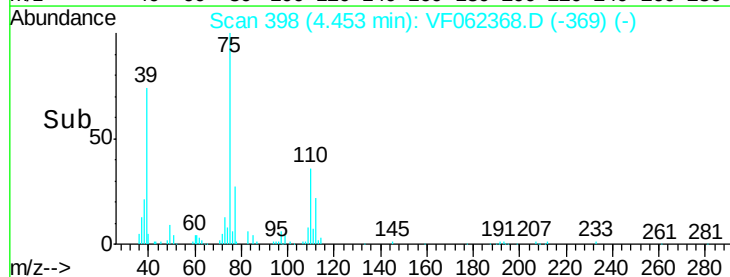
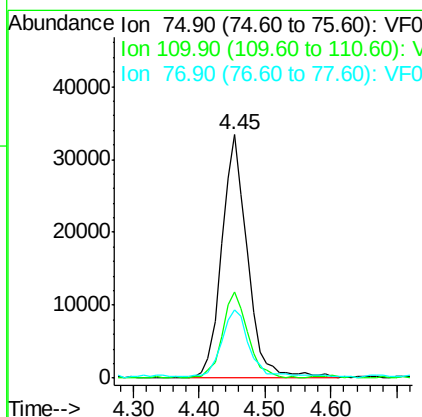
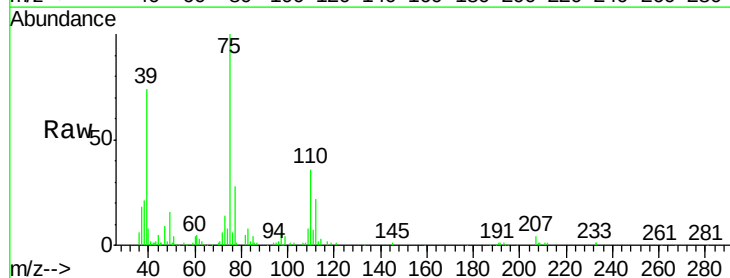
Manual Integrations
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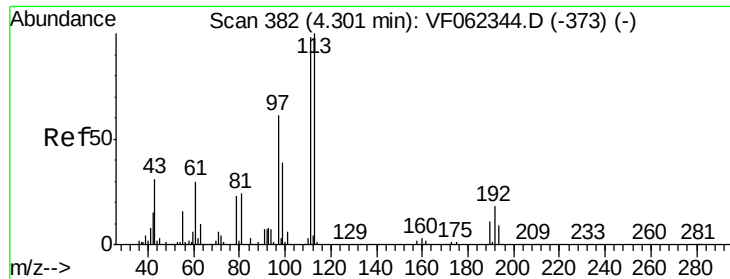
MMDadoda
 5/8/2019 11:11:11 AM



#36
 1,1-Dichloropropene
 Concen: 22.548 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.02 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91424		
110	35.2		17.2	51.5
77	32.7		25.2	37.8





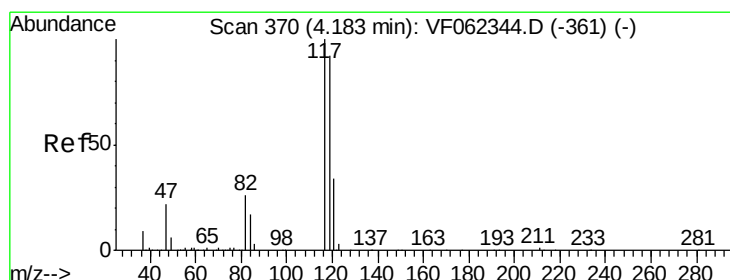
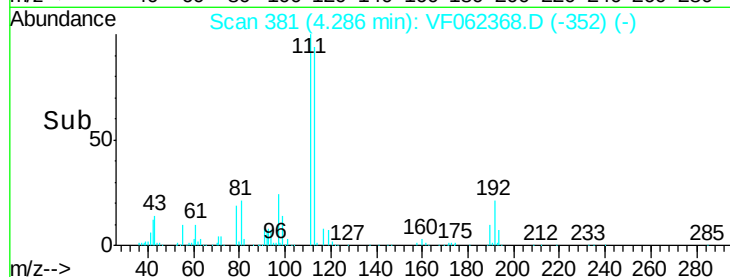
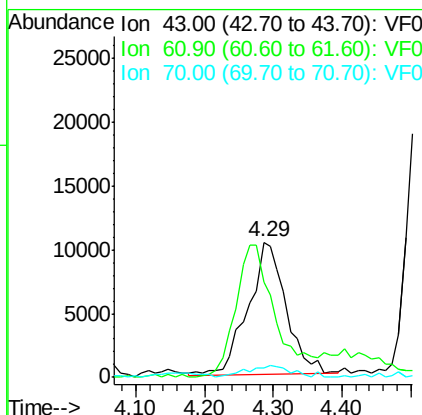
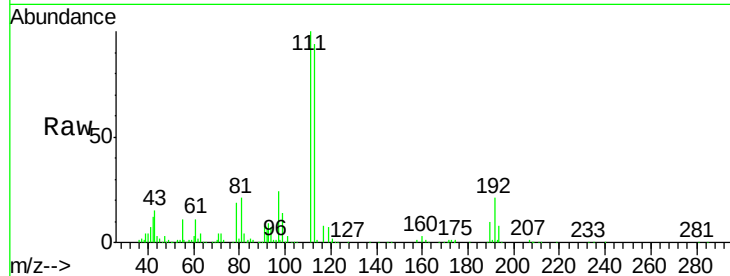
#37
Ethyl Acetate
Concen: 21.996 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	0.0	0.0	0.0	
70	10.2	8.2	12.2	

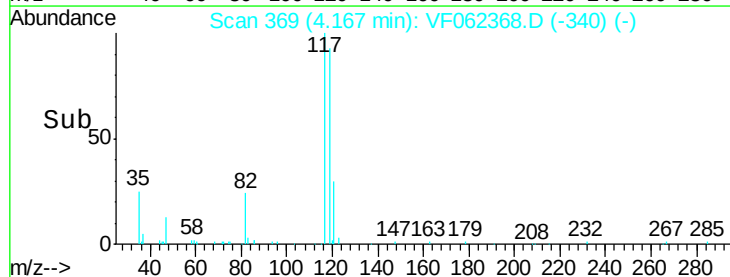
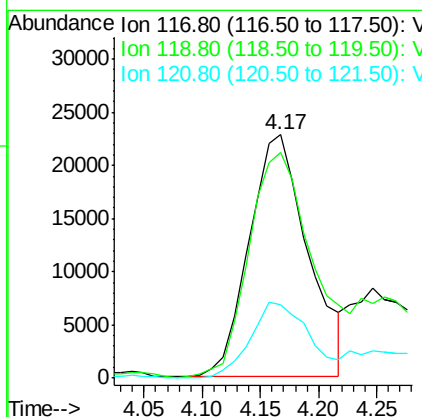
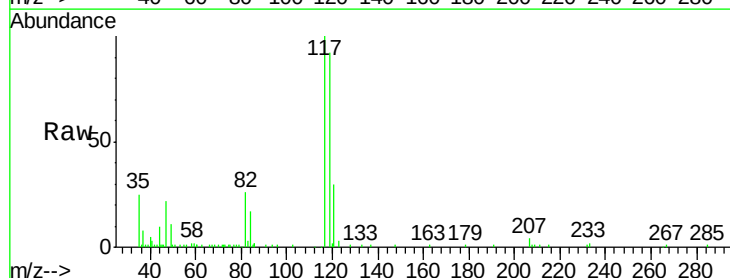
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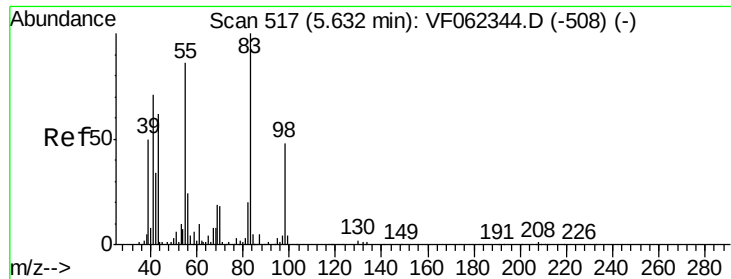
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.199 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	92.4	73.4	110.2	
121	30.5	27.4	41.0	





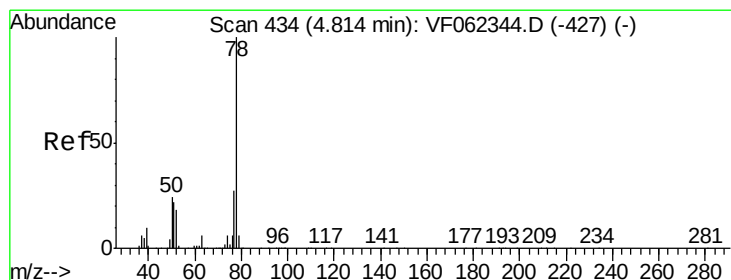
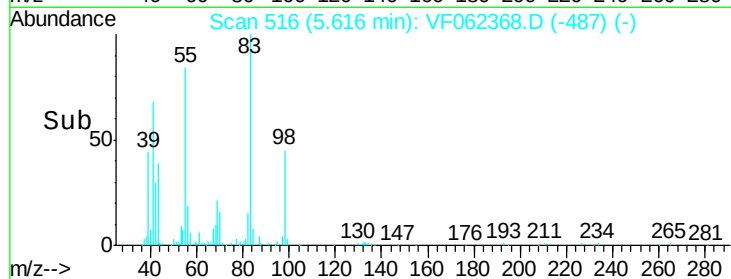
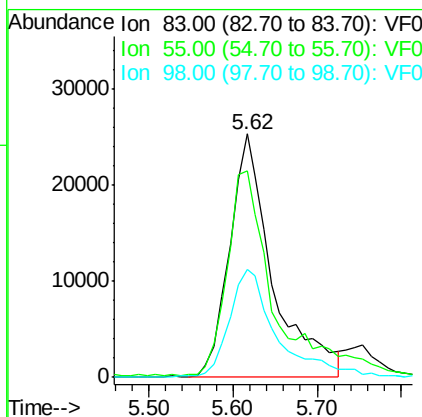
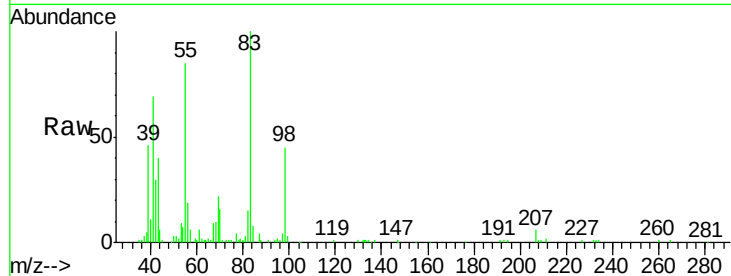
#39
Methylvlcyclohexane
Concen: 22.219 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBSD01

Tot Ion	83	Resp	90351
Ion Ratio	Lower	Upper	
83	100		
55	83.7	69.0	103.6
98	44.1	38.6	58.0

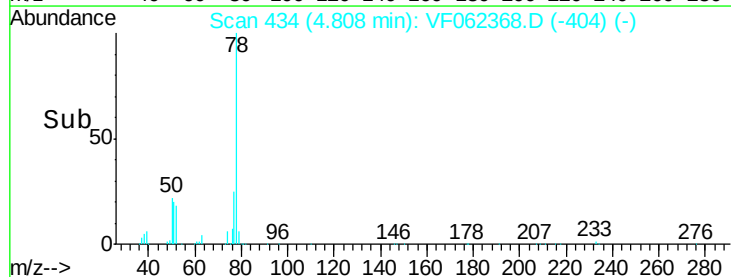
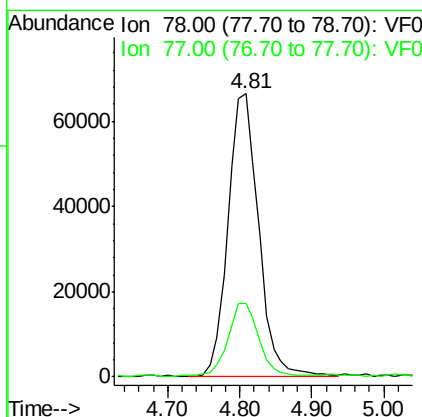
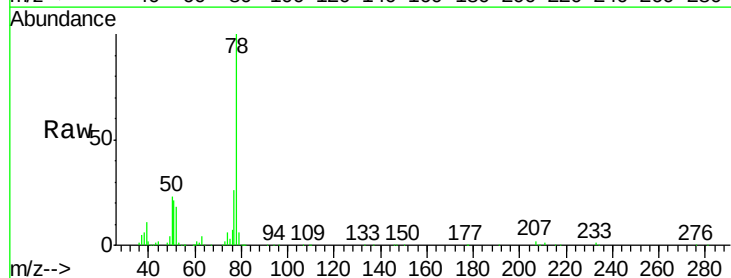
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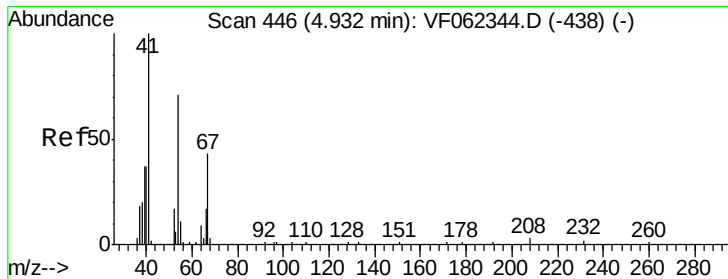
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#40
Benzene
Concen: 21.990 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	78	Resp	196334
Ion Ratio	Lower	Upper	
78	100		
77	25.5	21.6	32.4





#41

Methacrylonitrile

Concen: 20.562 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

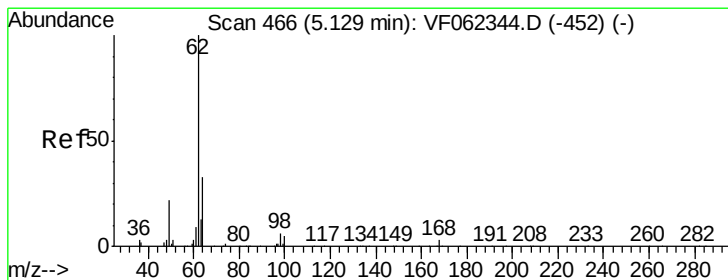
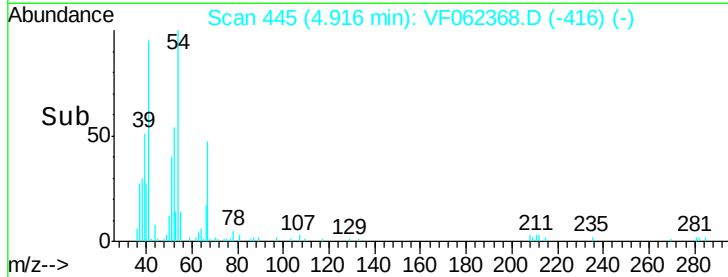
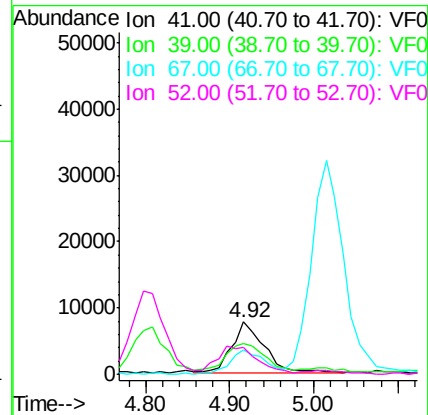
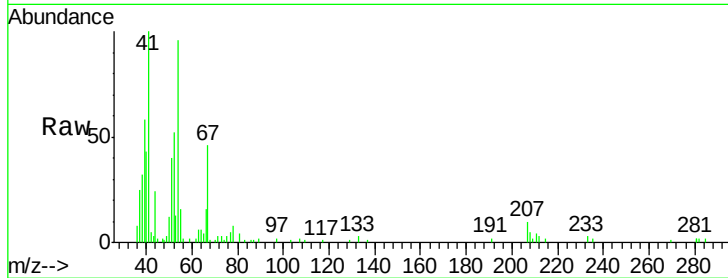
ClientSampleId :

VF0507SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.6	54.3	81.5
67	52.4	37.8	56.8
52	69.9	58.2	87.4

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#42

1,2-Dichloroethane

Concen: 21.447 ug/l

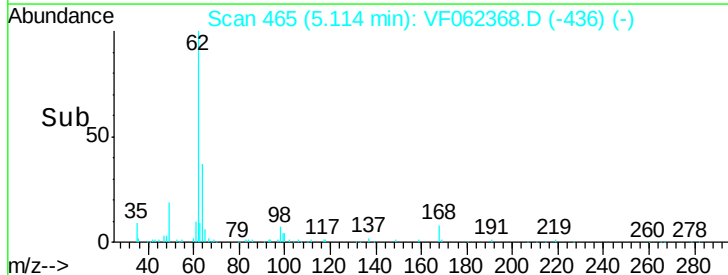
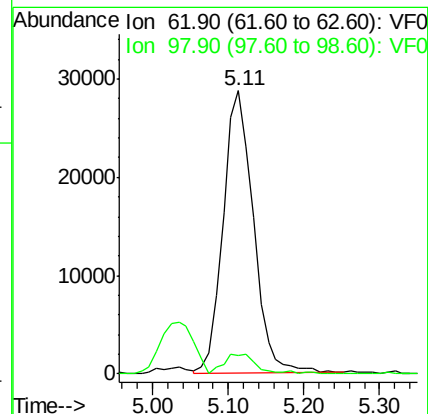
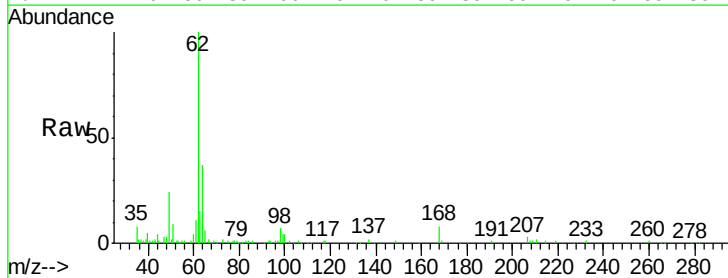
RT: 5.11 min Scan# 465

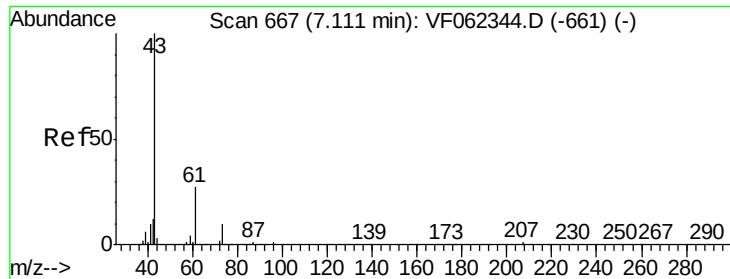
Delta R.T. -0.02 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	12.4





#43

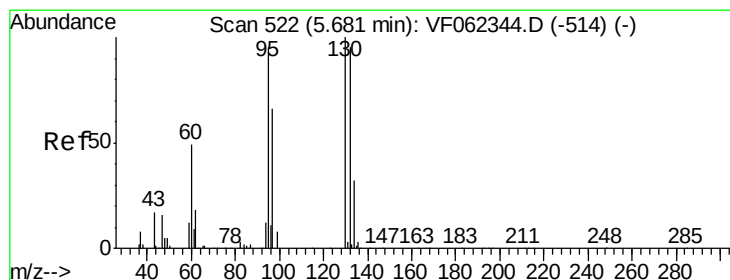
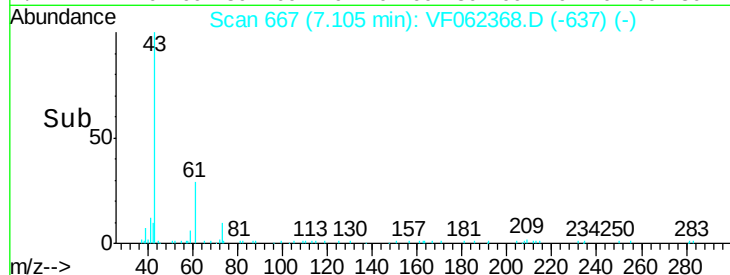
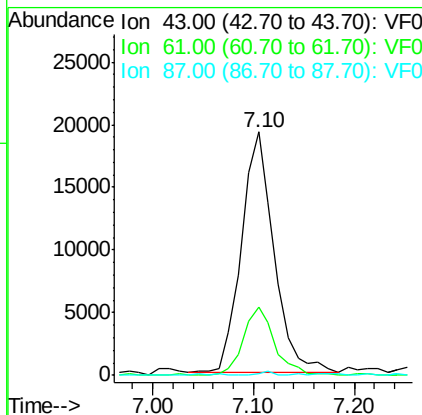
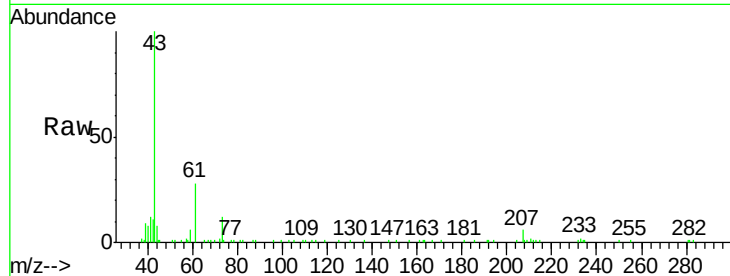
Isopropyl Acetate
 Concen: 23.471 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.4	22.8	34.2
87	0.7	0.6	1.0

Manual Integrations
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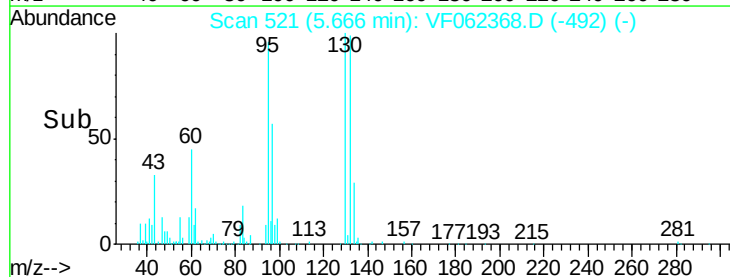
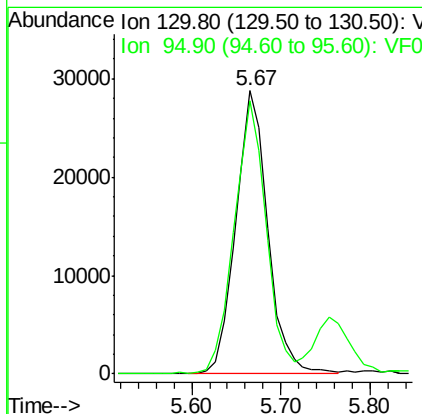
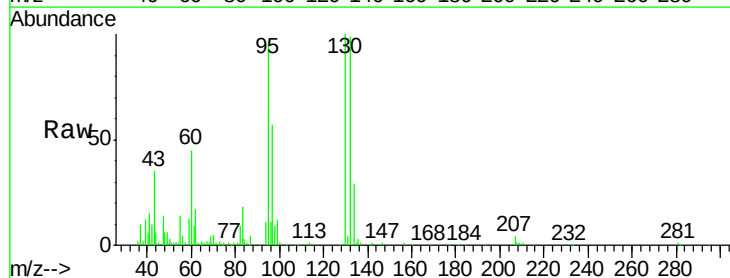
MMDadoda
 5/8/2019 11:11:11 AM

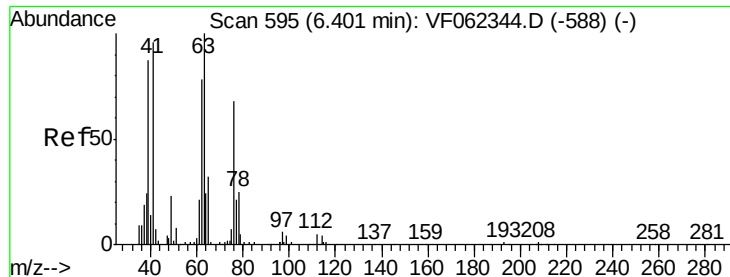


#44

Trichloroethene
 Concen: 21.931 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	189.0





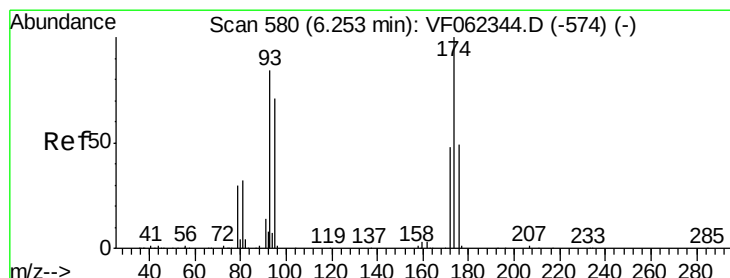
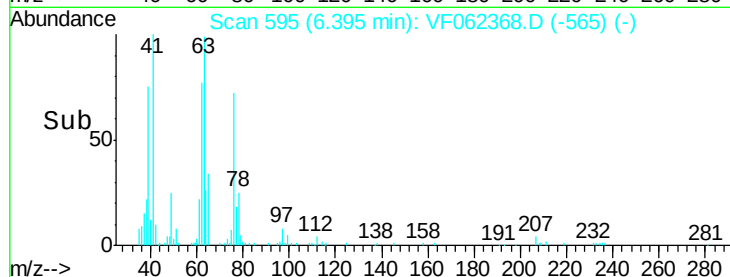
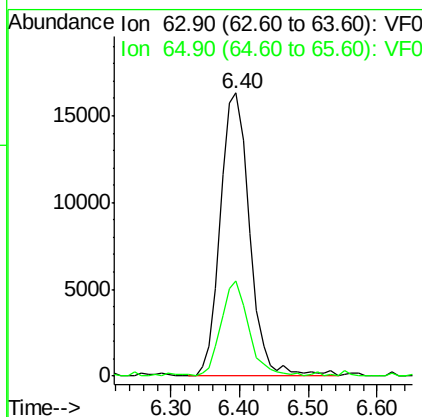
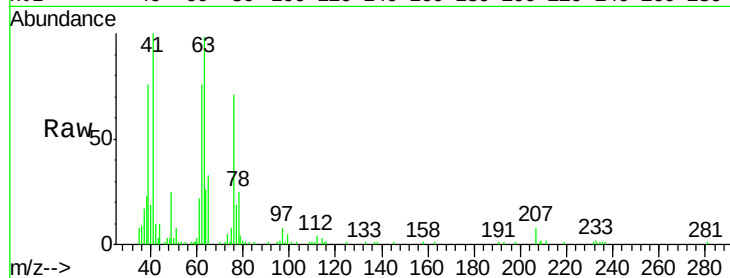
#45
1,2-Dichloropropane
Concen: 23.848 ug/l
RT: 6.40 min Scan# 595
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.6	25.6	38.4

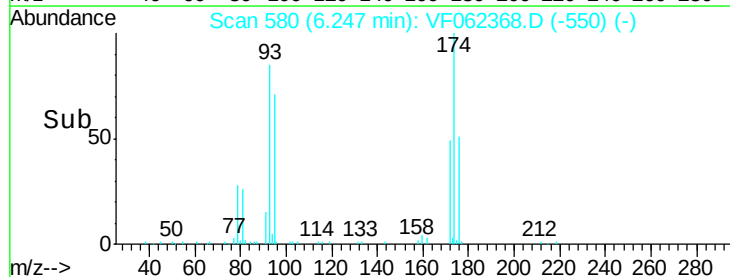
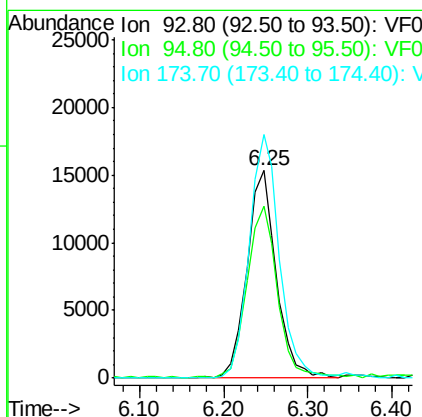
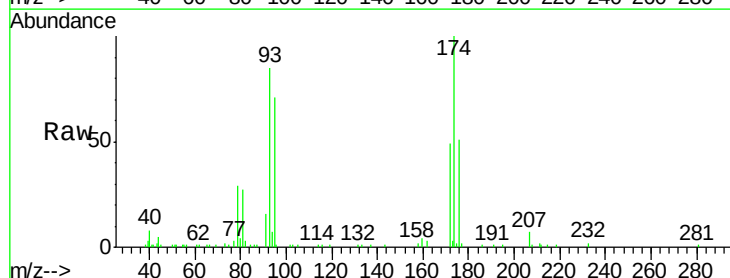
Manual Integrations
APPROVED

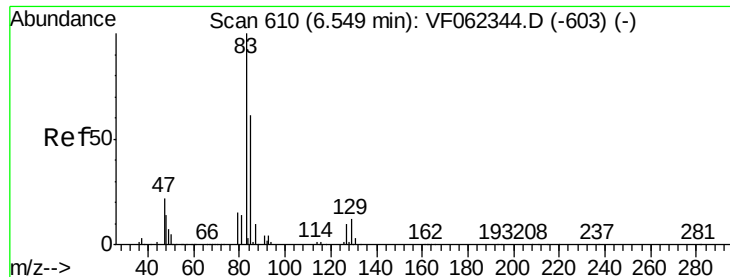
MMDadoda
5/8/2019 11:11:11 AM



#46
Dibromomethane
Concen: 22.383 ug/l
RT: 6.25 min Scan# 580
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.3	68.4	102.6
174	120.1	99.6	149.4





#47

Bromodichloromethane

Concen: 20.891 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

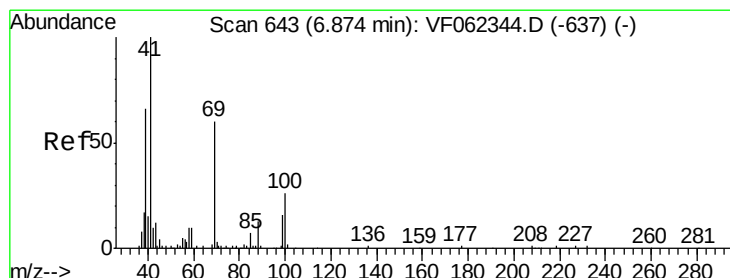
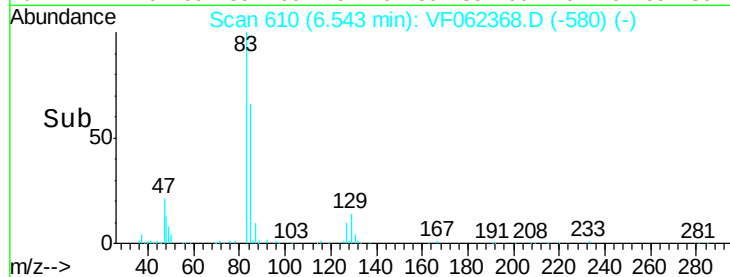
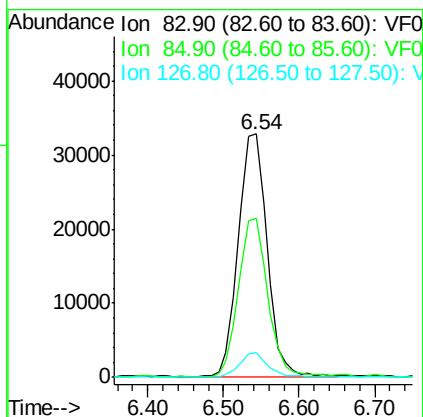
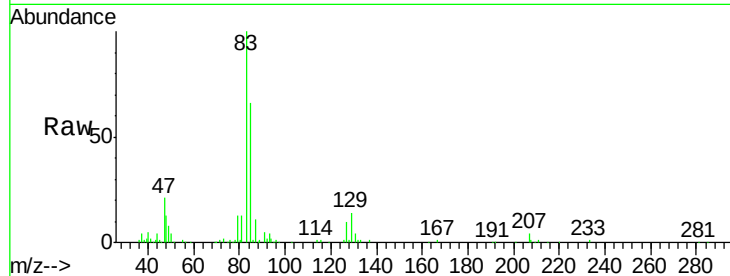
ClientSampleId :

VF0507SBS01

Tot Ion:	83	Resp:	87577
Ion	Ratio	Lower	Upper
83	100		
85	65.5	49.1	73.7
127	10.4	7.8	11.8

Manual Integrations
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5/8/2019 11:11:11 AM



#48

Methyl methacrylate

Concen: 24.420 ug/l

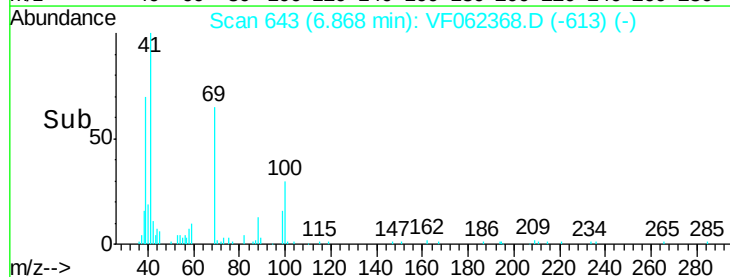
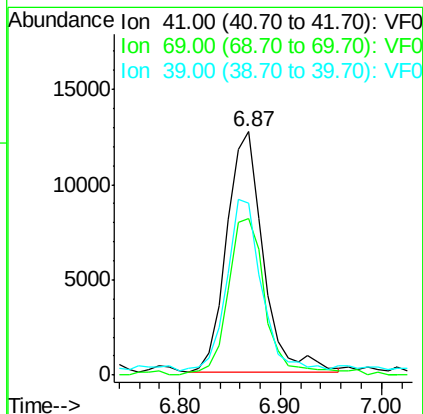
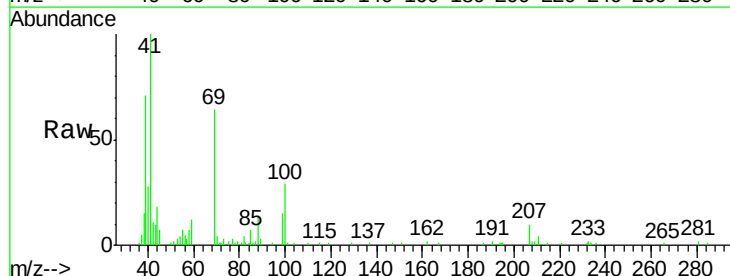
RT: 6.87 min Scan# 643

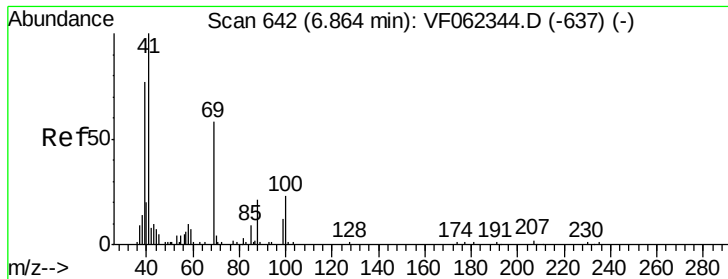
Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Tgt Ion:	41	Resp:	31827
Ion	Ratio	Lower	Upper
41	100		
69	67.5	48.6	72.8
39	66.9	56.1	84.1





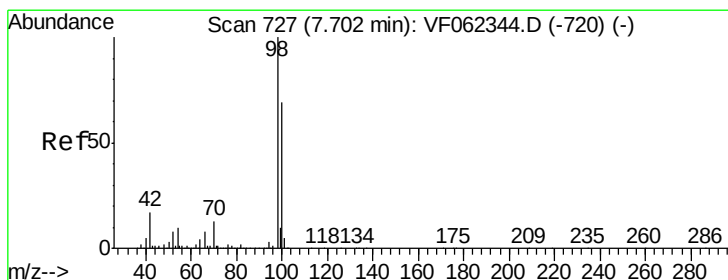
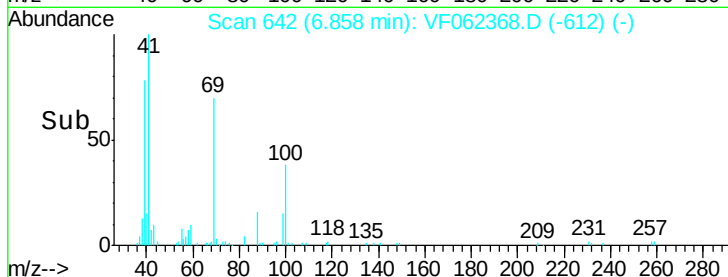
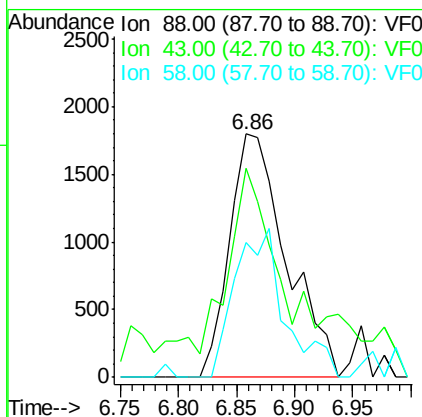
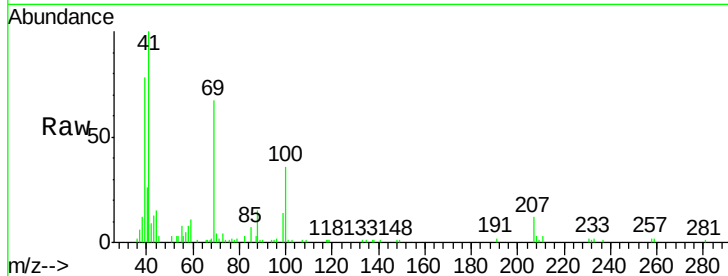
#49
1,4-Dioxane
Concen: 448.549 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	88	Resp	6109
Ion	Ratio	Lower	Upper
88	100		
43	101.7	55.6	83.4#
58	53.5	52.8	79.2

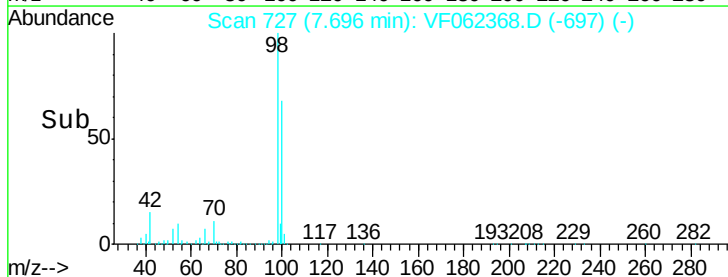
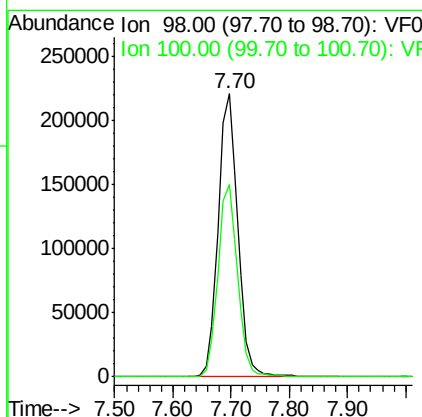
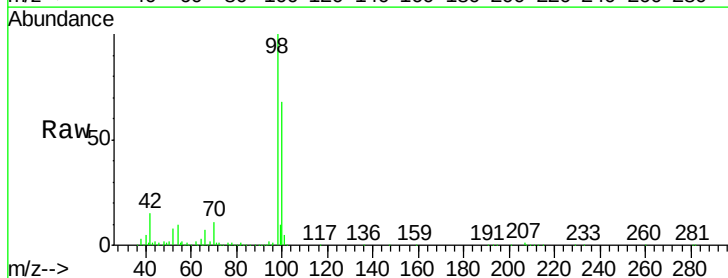
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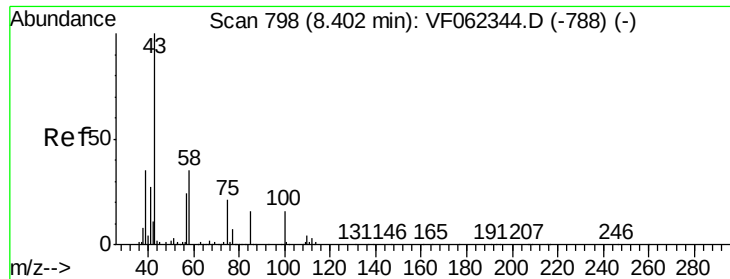
MMDadoda
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#50
Toluene-d8
Concen: 57.158 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	98	Resp	520272
Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 114.293 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 43 Resp: 159719

Ion Ratio Lower Upper

43 100

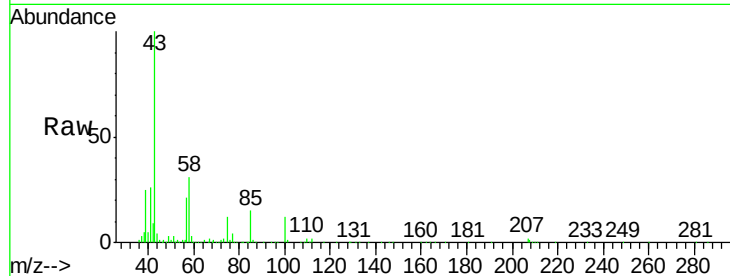
58 33.5 27.8 41.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

60000

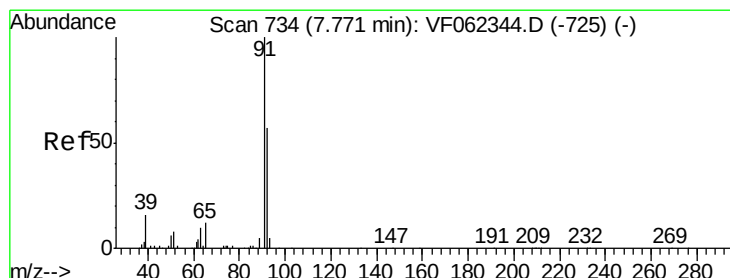
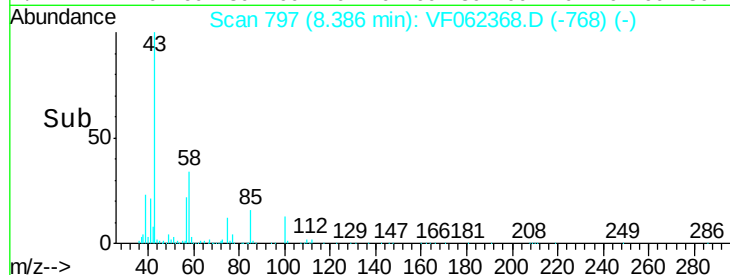
40000

20000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 22.136 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF062368.D

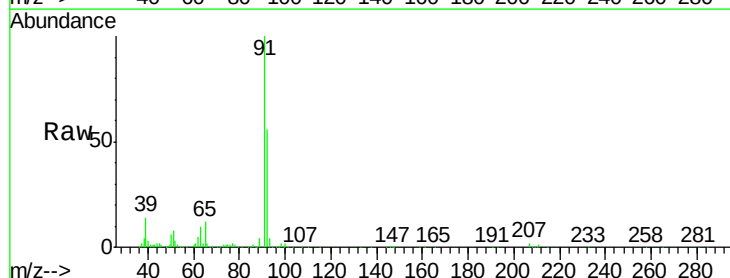
Acq: 7 May 2019 20:13

Tgt Ion: 92 Resp: 121925

Ion Ratio Lower Upper

92 100

91 170.8 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

100000

80000

60000

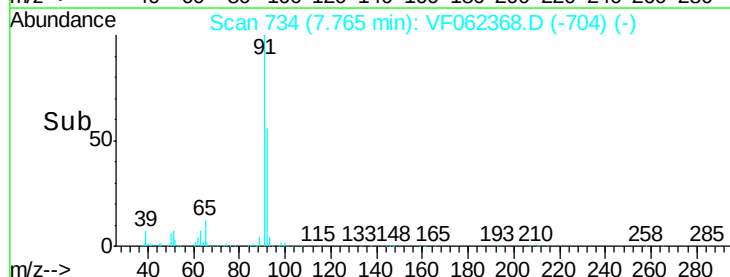
40000

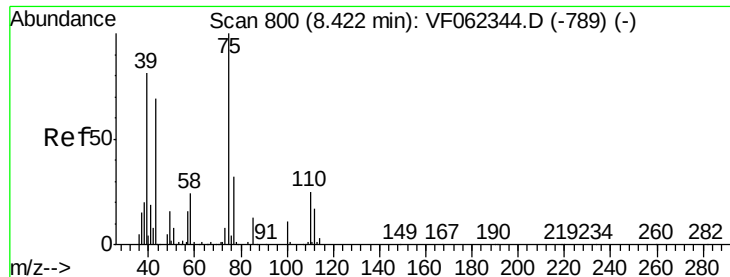
20000

0

7.60 7.70 7.80 7.90

Time-->





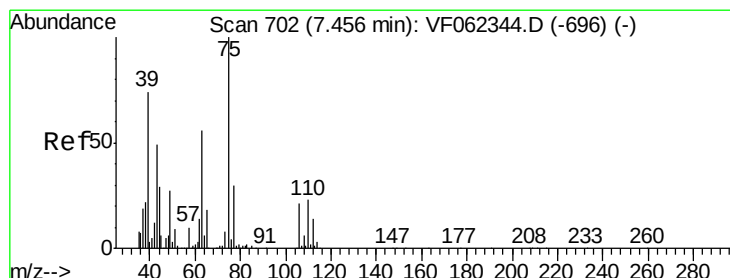
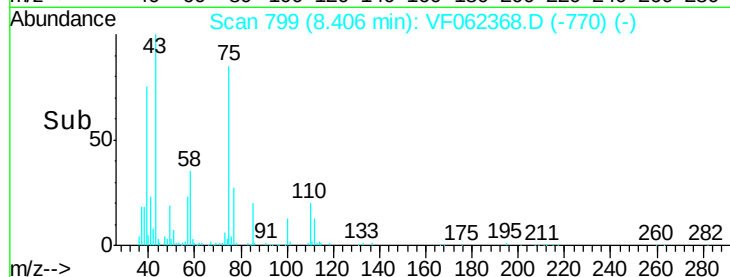
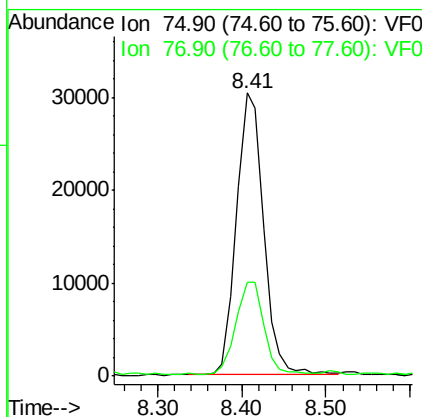
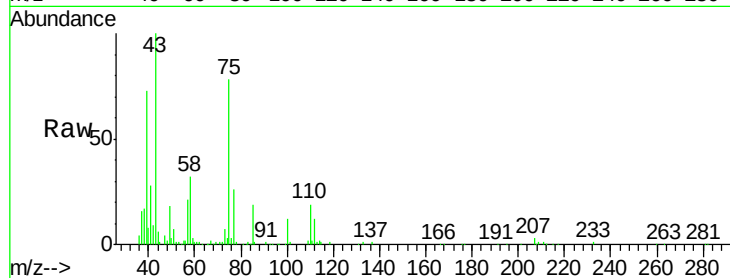
#53
t-1,3-Dichloropropene
Concen: 21.516 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0

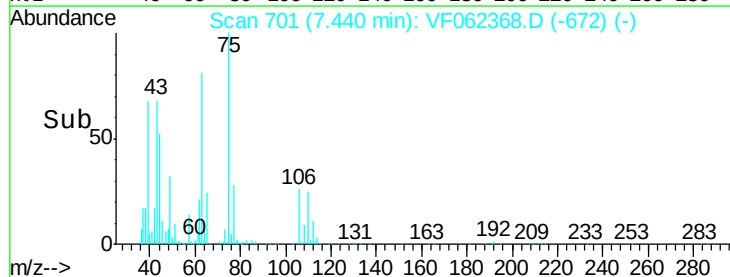
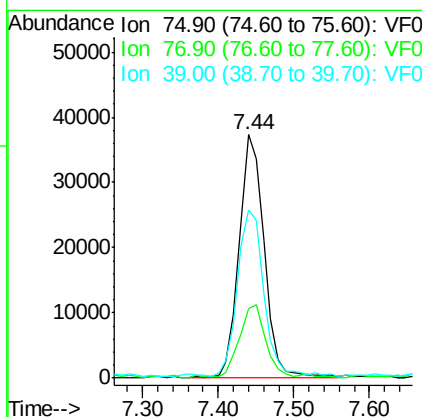
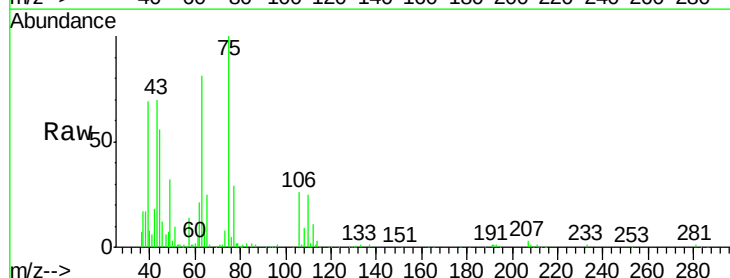
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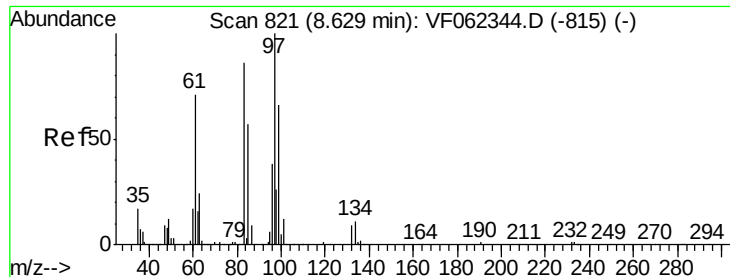
MMDadoda
5/8/2019 11:11:11 AM



#54
cis-1,3-Dichloropropene
Concen: 23.244 ug/l
RT: 7.44 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.4	24.0	36.0
39	68.5	58.7	88.1





#55

1,1,2-Trichloroethane

Concen: 22.798 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

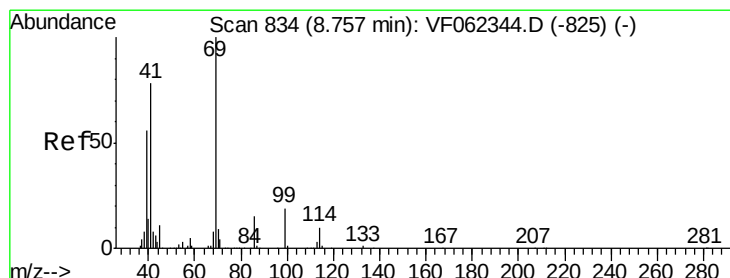
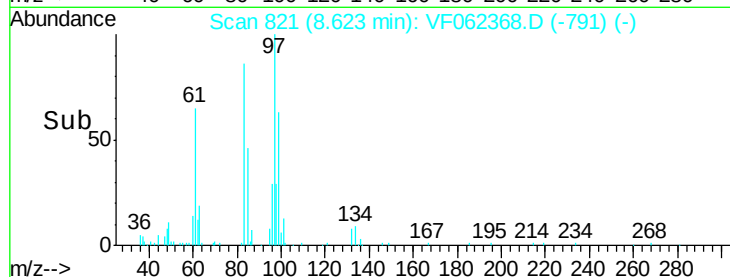
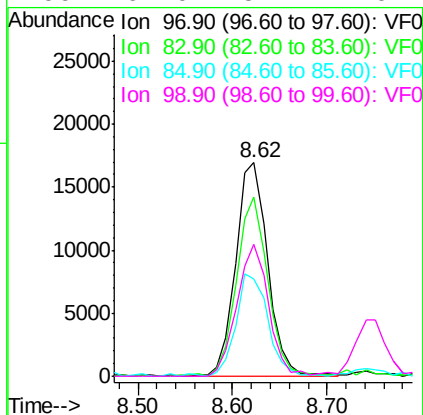
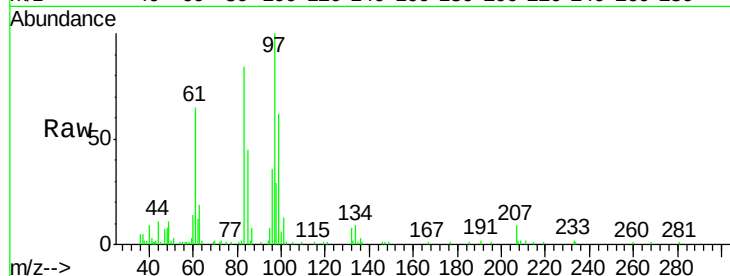
ClientSampleId :

VF0507SBS01

Tot Ion:	97	Resp:	39863
Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.5	102.7
85	44.2	45.4	68.2#
99	62.0	52.7	79.1

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#56

Ethyl methacrylate

Concen: 22.559 ug/l

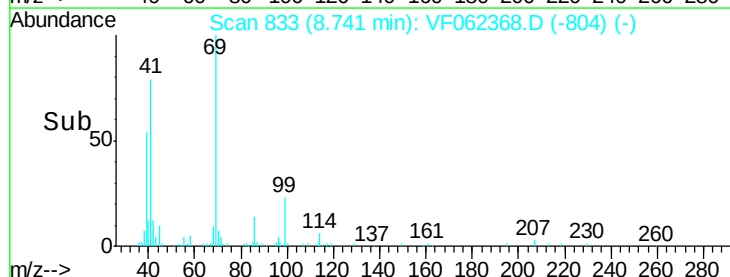
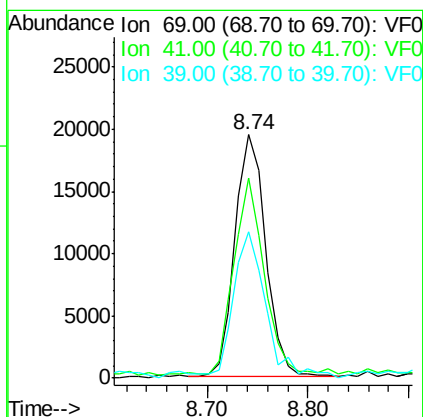
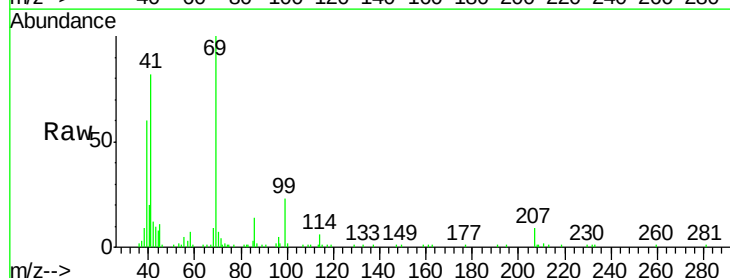
RT: 8.74 min Scan# 833

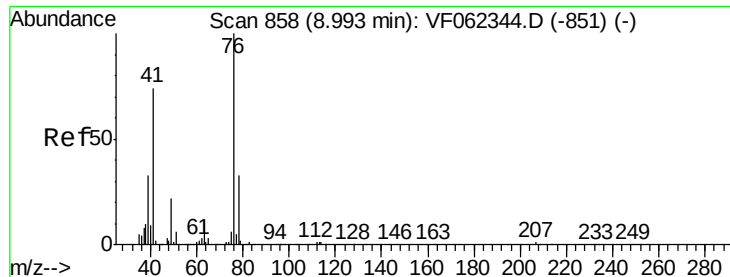
Delta R.T. -0.02 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Tgt Ion:	69	Resp:	41639
Ion	Ratio	Lower	Upper
69	100		
41	80.1	66.3	99.5
39	63.5	50.1	75.1





#57

1,3-Dichloropropane

Concen: 21.537 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.02 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 76 Resp: 56882

Ion Ratio Lower Upper

76 100

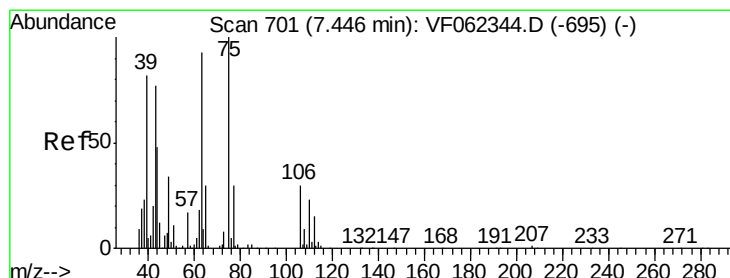
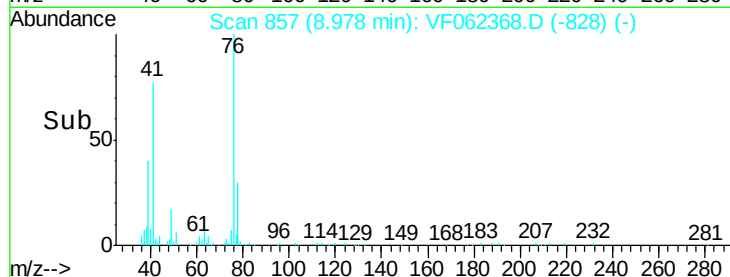
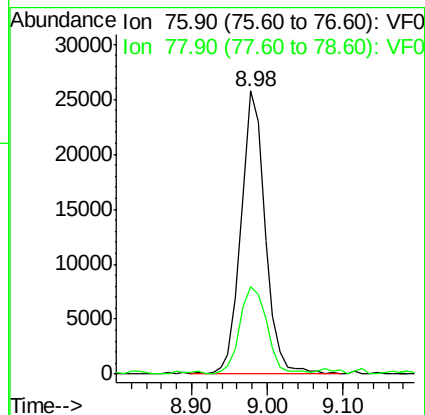
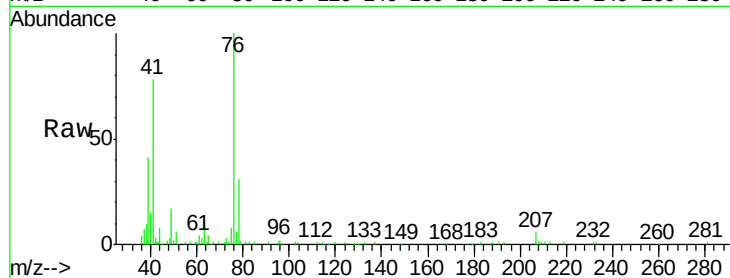
78 34.9 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 133.590 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062368.D

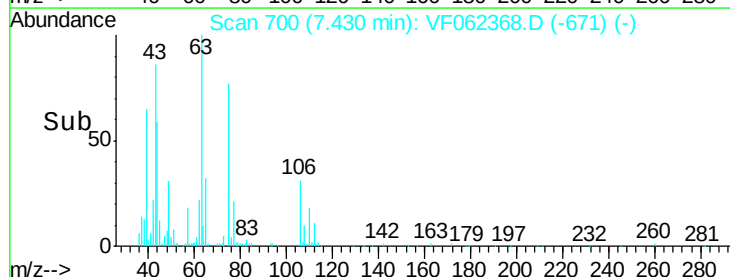
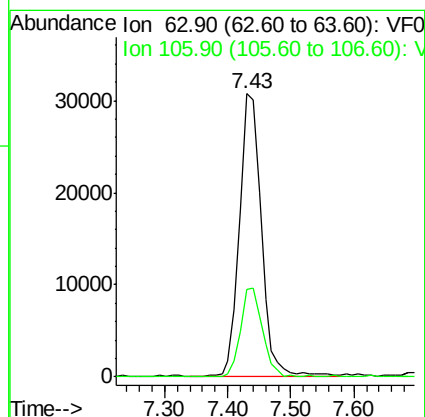
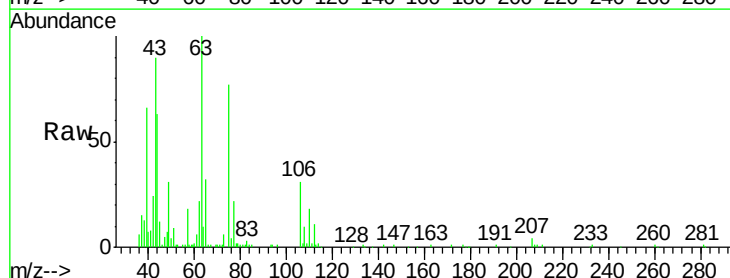
Acq: 7 May 2019 20:13

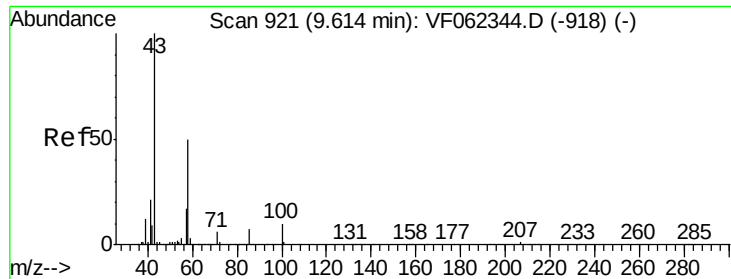
Tgt Ion: 63 Resp: 74131

Ion Ratio Lower Upper

63 100

106 30.9 25.8 38.8





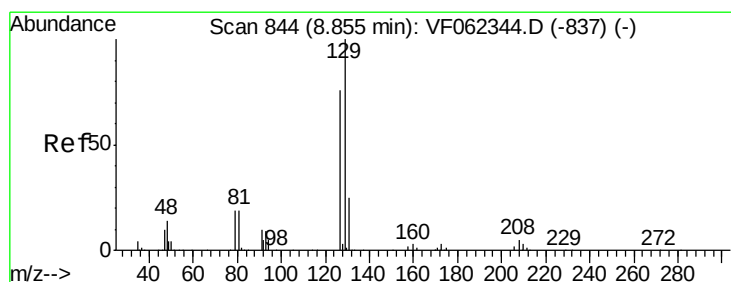
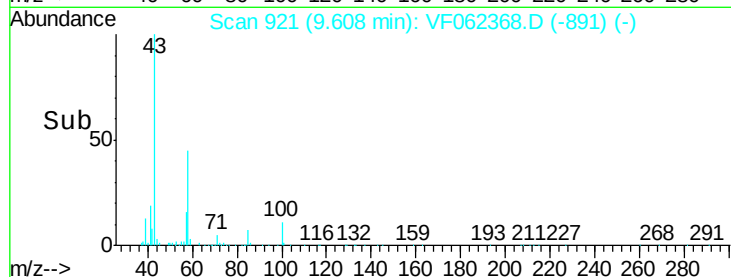
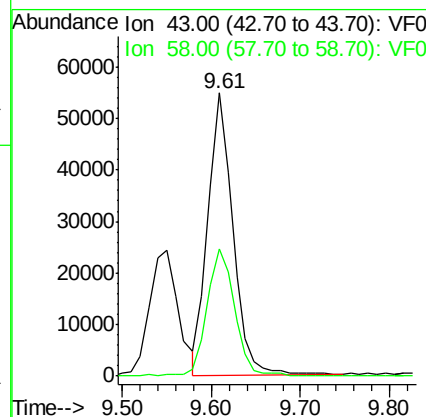
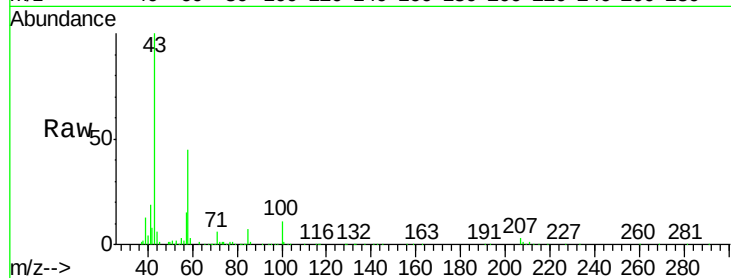
#59
2-Hexanone
Concen: 109.601 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBSD01

Tot Ion: 43 Resp: 105927
Ion Ratio Lower Upper
43 100
58 50.6 24.3 73.0

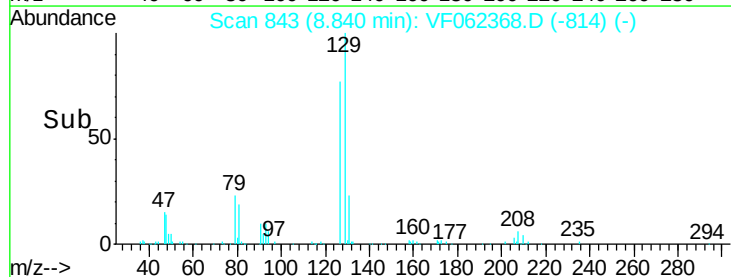
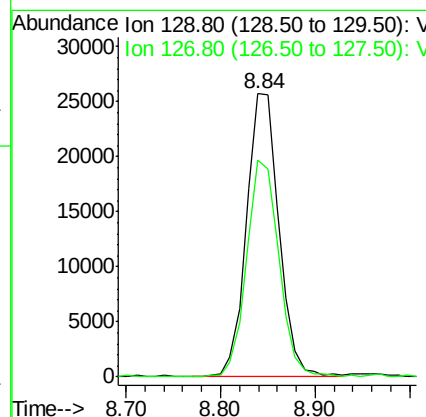
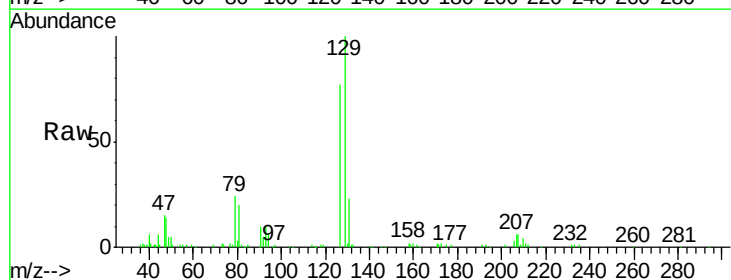
Manual Integrations
APPROVED

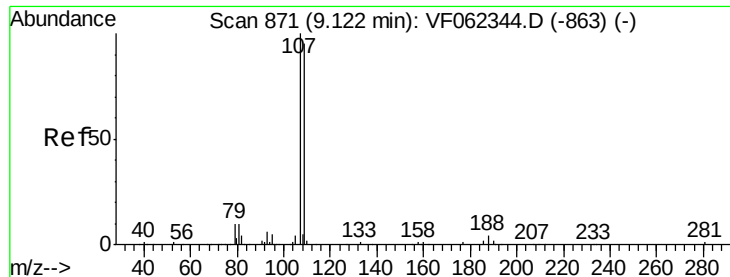
MMDadoda
5/8/2019 11:11:11 AM



#60
Dibromochloromethane
Concen: 21.442 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion: 129 Resp: 61319
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.3





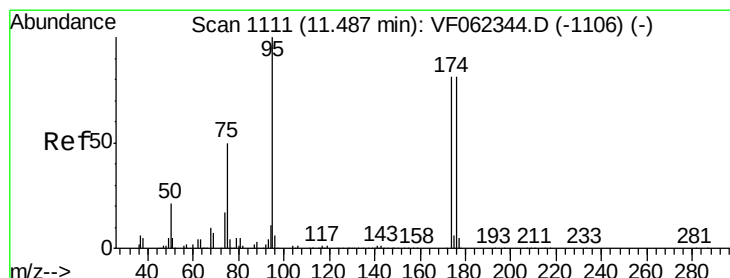
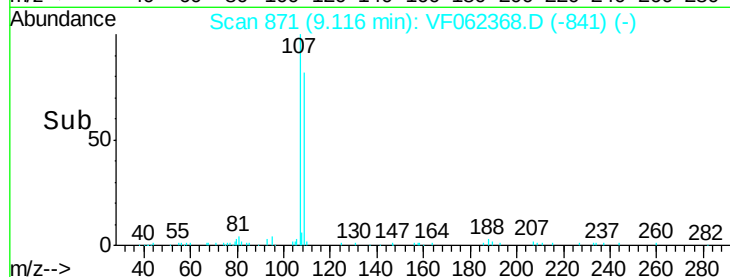
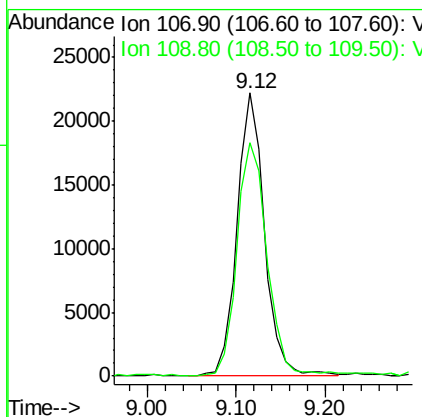
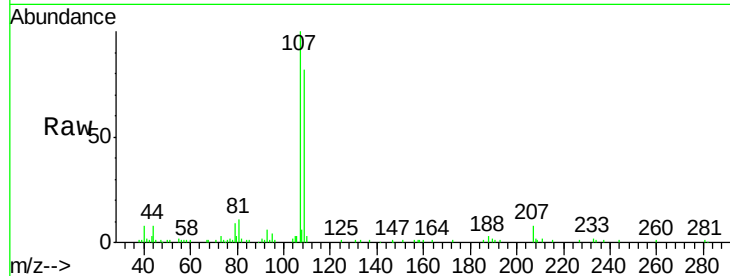
#61
 1,2-Dibromoethane
 Concen: 23.192 ug/l
 RT: 9.12 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion: 107 Resp: 47662
 Ion Ratio Lower Upper
 107 100
 109 89.5 75.2 112.8

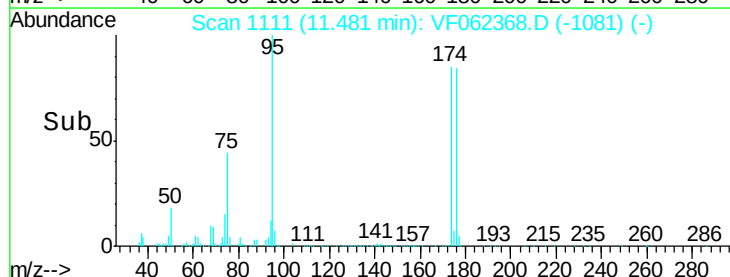
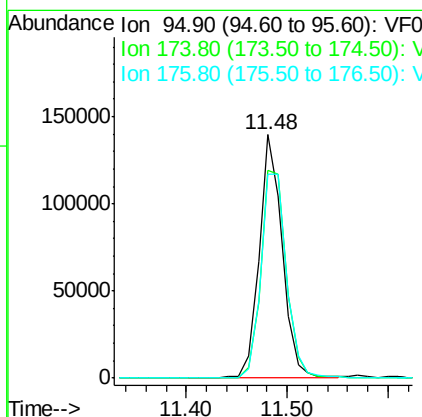
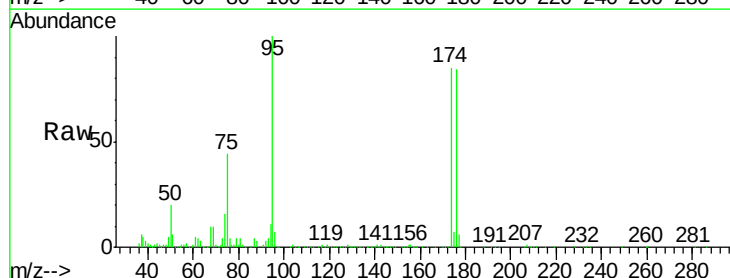
Manual Integrations
 APPROVED

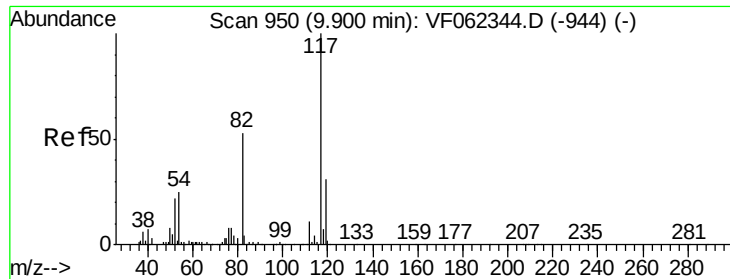
MMDadoda
 5/8/2019 11:11:11 AM



#62
 4-Bromofluorobenzene
 Concen: 53.641 ug/l
 RT: 11.48 min Scan# 1111
 Delta R.T. -0.01 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Tgt Ion: 95 Resp: 220285
 Ion Ratio Lower Upper
 95 100
 174 95.3 0.0 191.8
 176 94.1 0.0 193.2





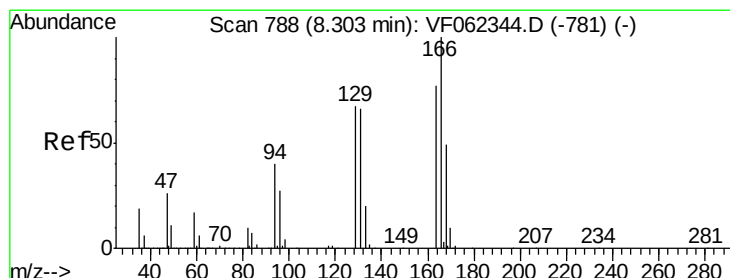
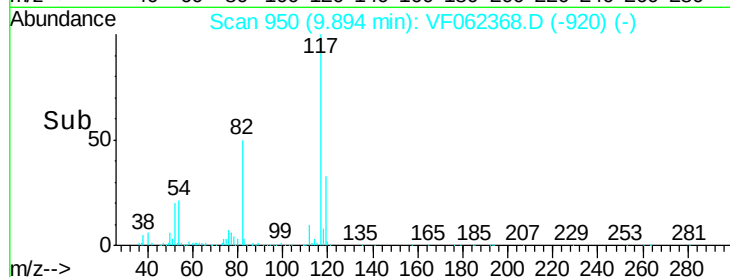
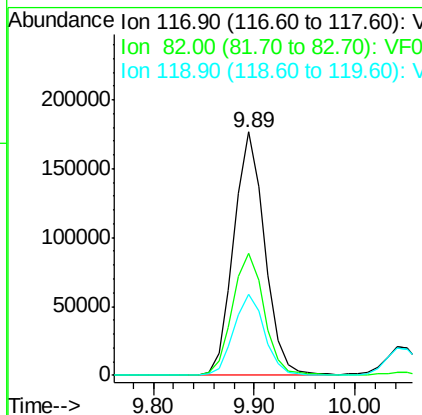
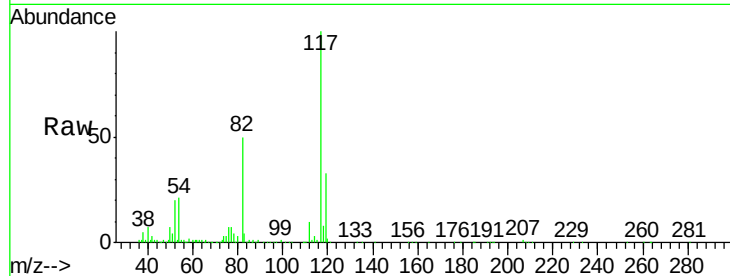
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	42.2	63.2
119	33.4	25.0	37.4

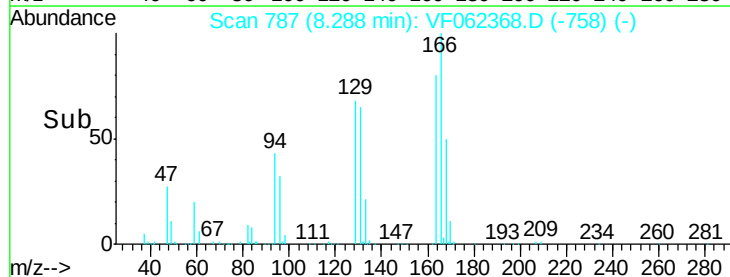
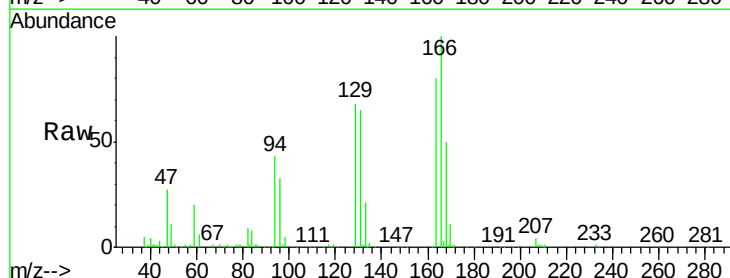
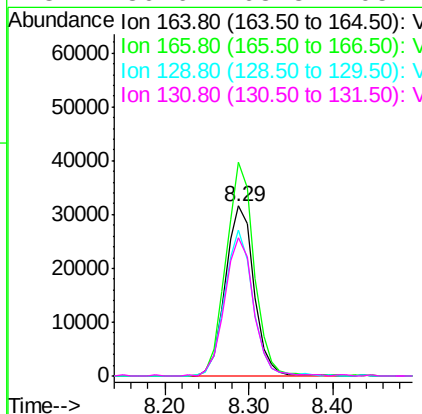
Manual Integrations
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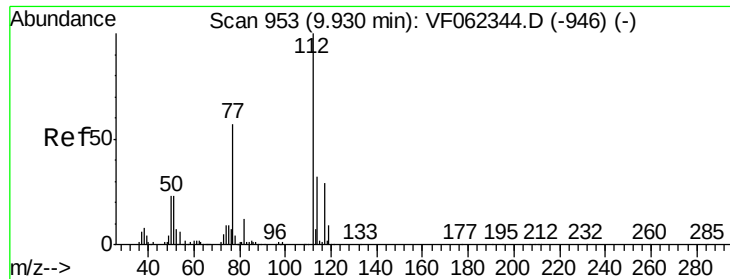
MMDadoda
5/8/2019 11:11:11 AM



#64
Tetrachloroethene
Concen: 24.227 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	104.2	156.4
129	85.8	69.6	104.4
131	80.6	68.8	103.2





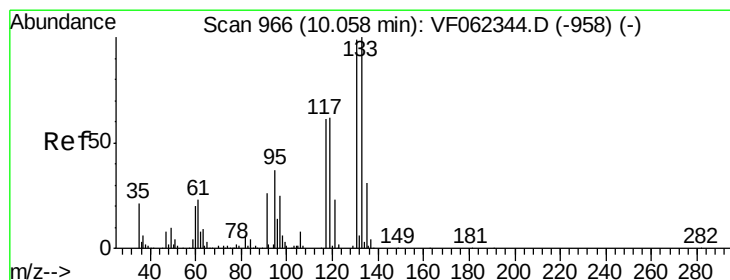
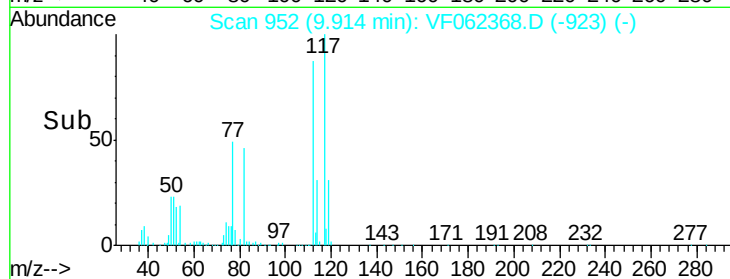
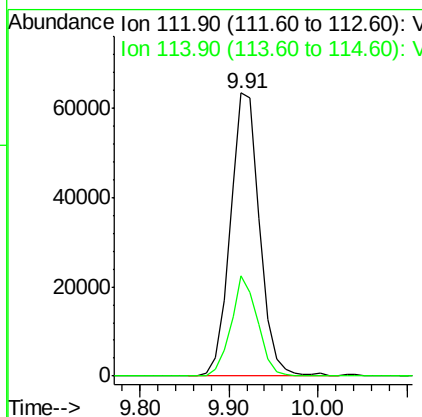
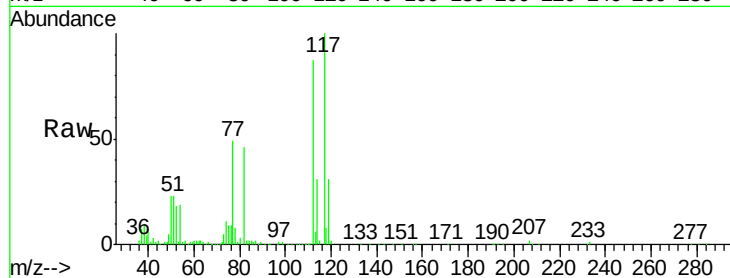
#65
Chlorobenzene
Concen: 23.253 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	35.4	25.4	38.0

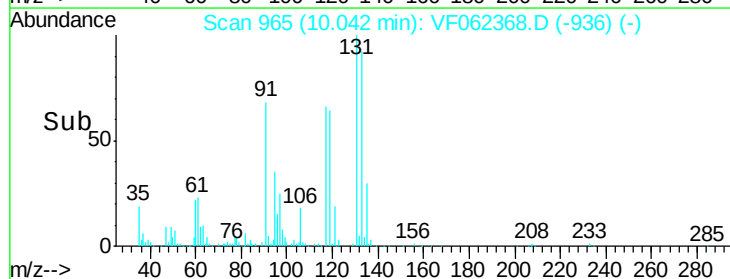
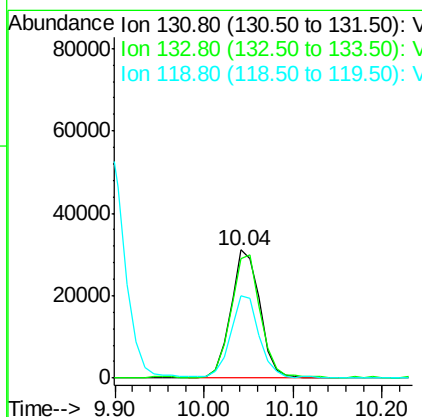
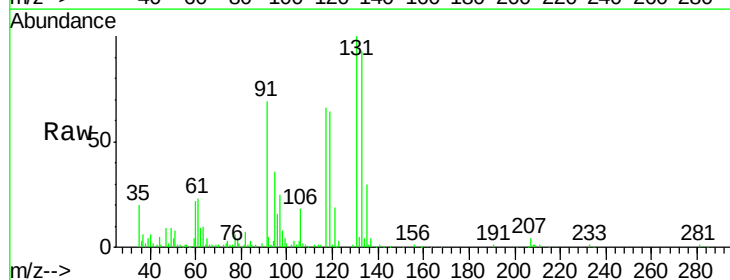
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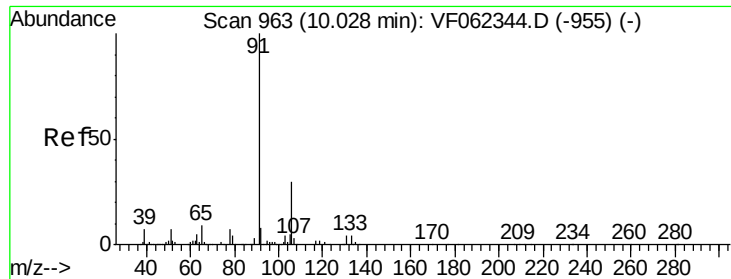
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.553 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	50.2	150.7
119	64.4	31.6	95.0





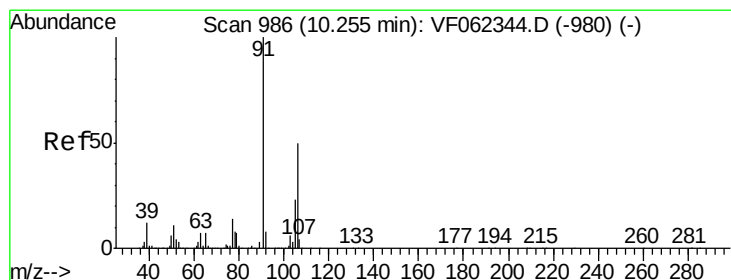
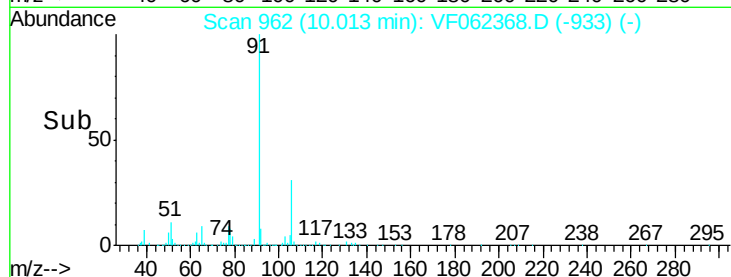
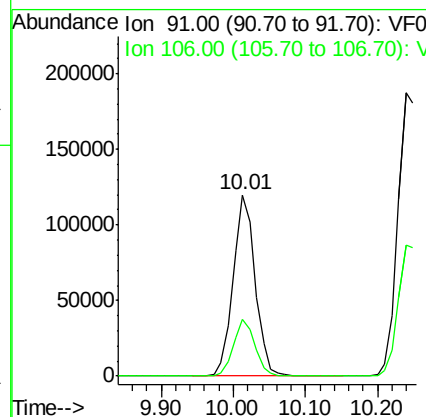
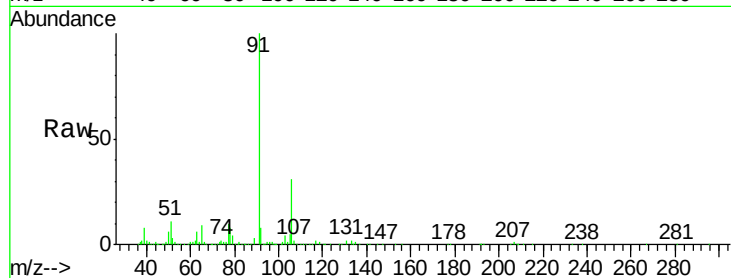
#67
Ethyl Benzene
Concen: 23.098 ug/l
RT: 10.01 min Scan# 962
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion: 91 Resp: 253819
Ion Ratio Lower Upper
91 100
106 31.0 24.1 36.1

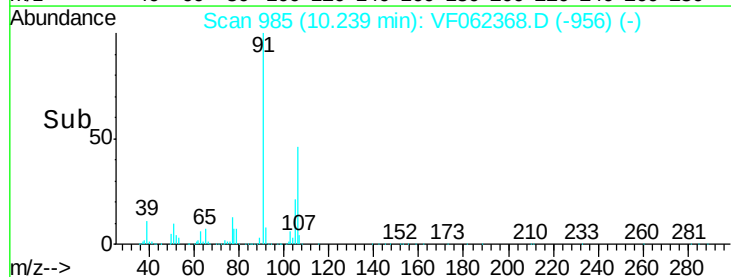
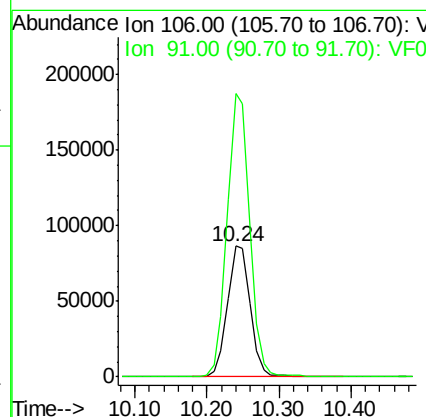
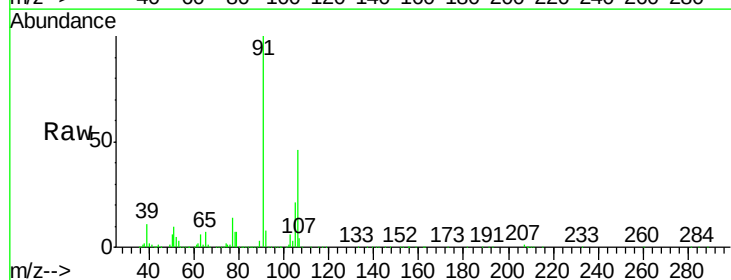
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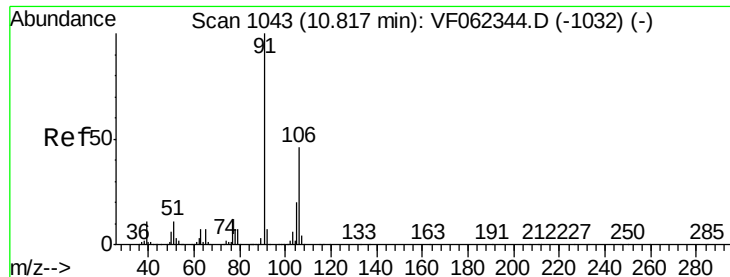
MMDadoda
5/8/2019 11:11:11 AM



#68
m/p-Xylenes
Concen: 46.638 ug/l
RT: 10.24 min Scan# 985
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion: 106 Resp: 189092
Ion Ratio Lower Upper
106 100
91 213.2 167.4 251.2





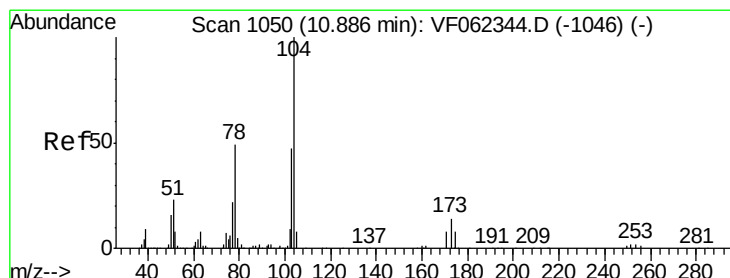
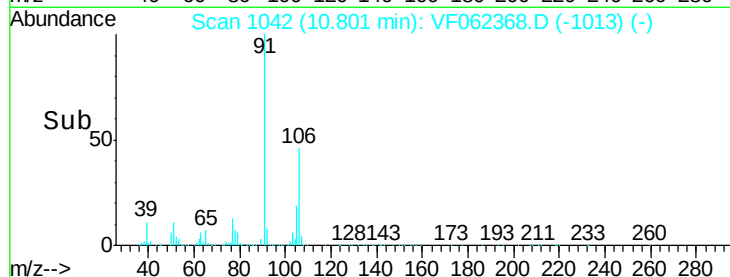
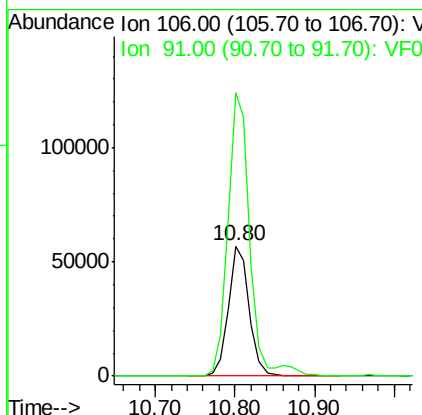
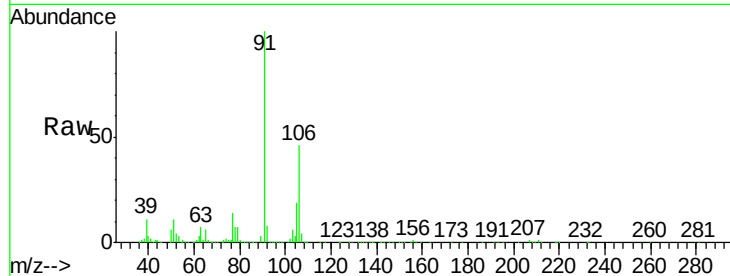
#69
o-Xylene
Concen: 24.026 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	105262		
91	219.5	111.3	333.8	

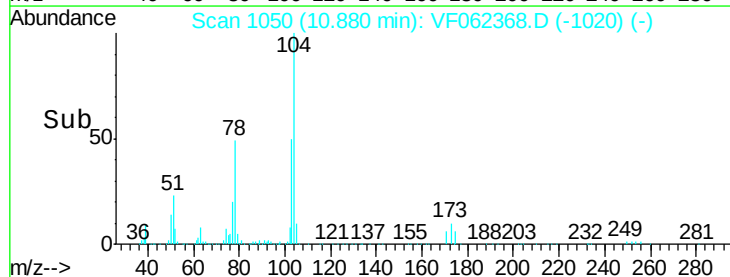
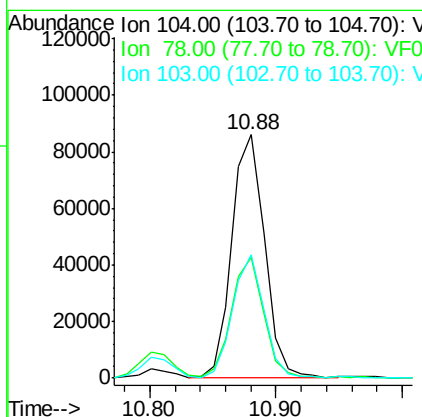
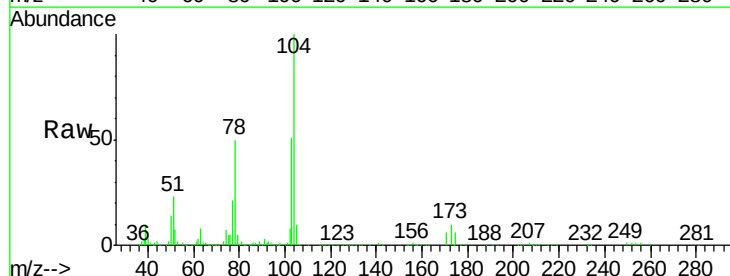
Manual Integrations
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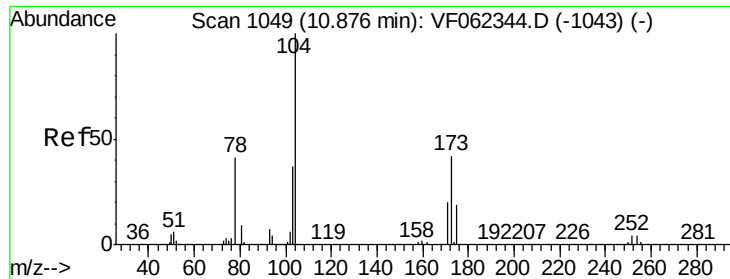
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#70
Styrene
Concen: 23.352 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	153330		
78	48.4	39.5	59.3	
103	49.2	38.4	57.6	





#71

Bromoform

Concen: 22.101 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

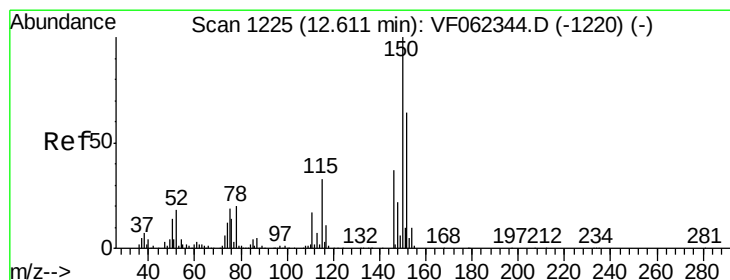
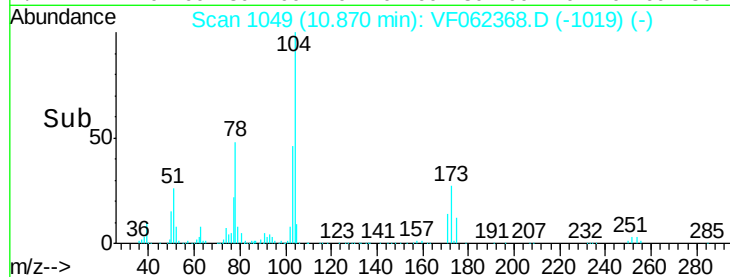
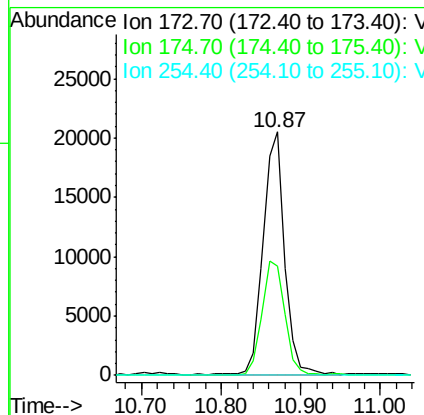
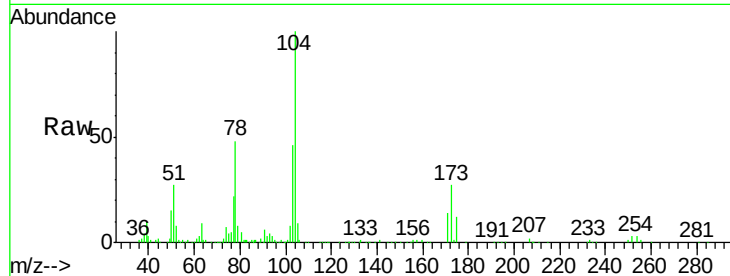
ClientSampleId :

VF0507SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	23.8	71.2
254	0.0	0.1	0.1#

Manual Integrations
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5/8/2019 11:11:11 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

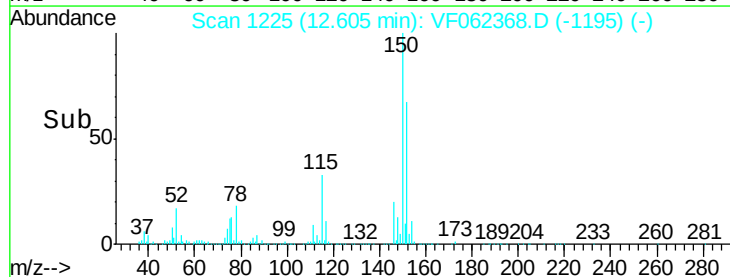
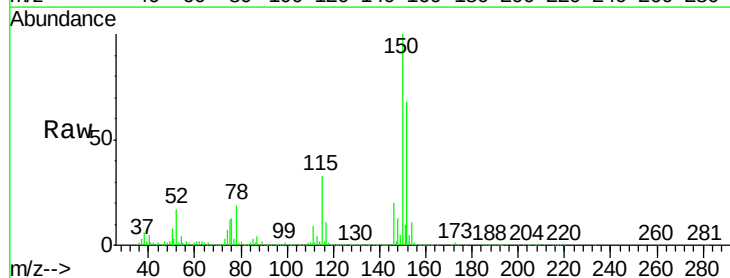
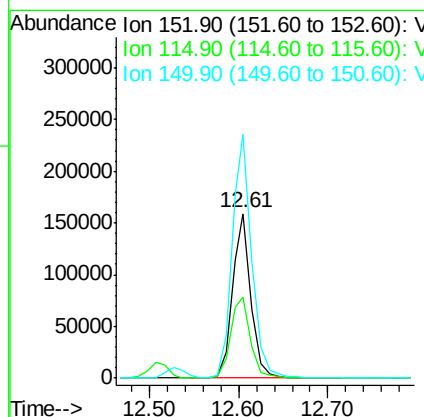
RT: 12.61 min Scan# 1225

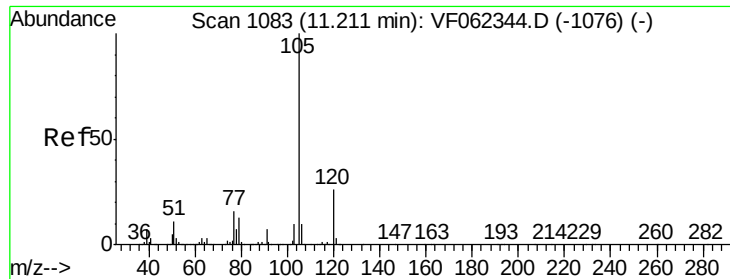
Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	26.4	79.2
150	157.8	0.0	335.0





#73

Isopropylbenzene

Concen: 22.719 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 105 Resp: 309141

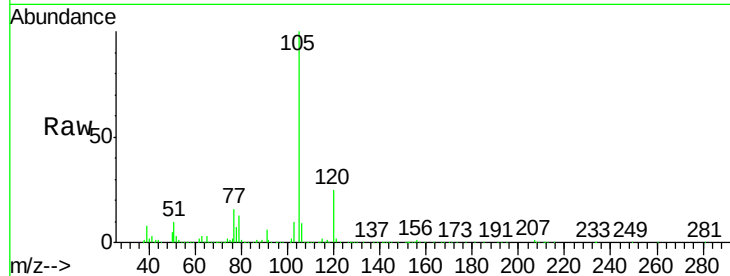
Ion Ratio Lower Upper

105 100

120 24.9 12.7 38.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.21

200000

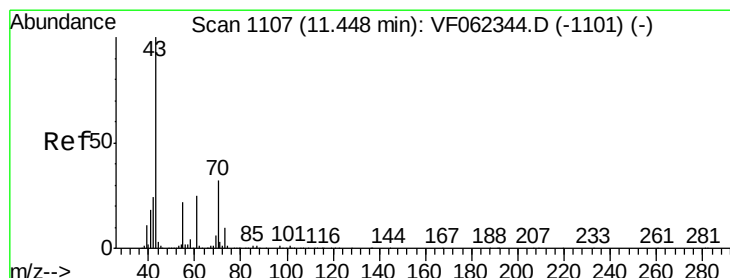
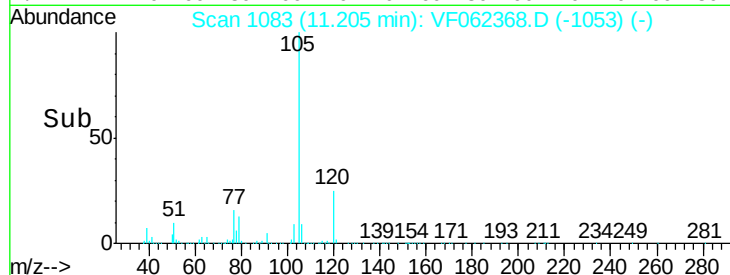
150000

100000

50000

0

Time--> 11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 23.326 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Tgt Ion: 43 Resp: 68142

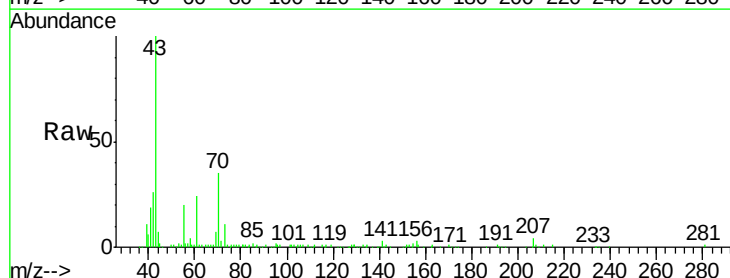
Ion Ratio Lower Upper

43 100

70 35.6 26.5 39.7

55 22.7 17.8 26.6

61 23.1 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.44

60000

50000

40000

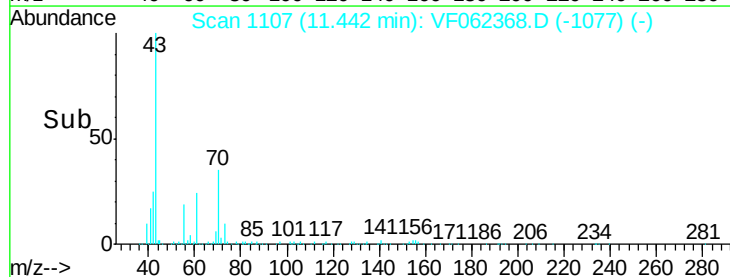
30000

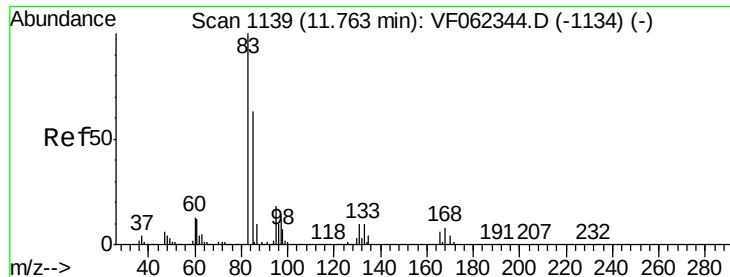
20000

10000

0

Time--> 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 22.783 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

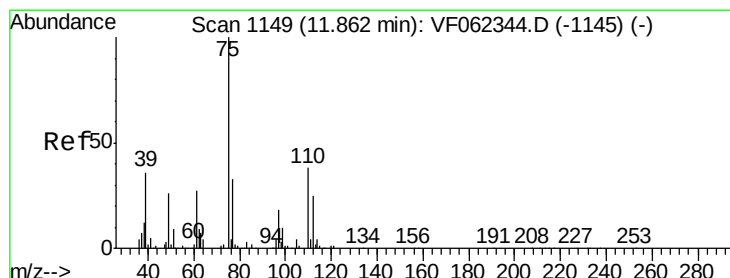
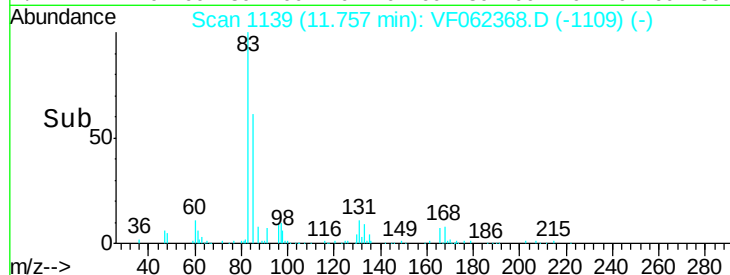
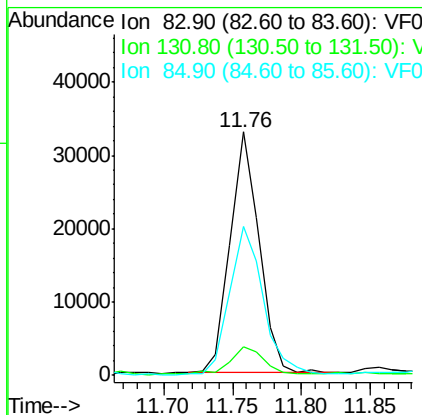
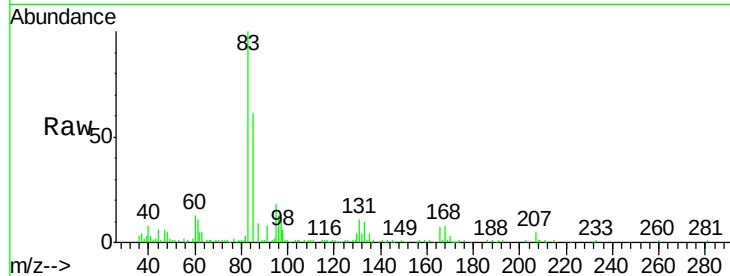
ClientSampleId :

VF0507SBS01

Tot Ion:	83	Resp:	48539
Ion	Ratio	Lower	Upper
83	100		
131	15.1	5.8	17.4
85	72.7	35.3	105.7

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#76

1,2,3-Trichloropropane

Concen: 21.709 ug/l

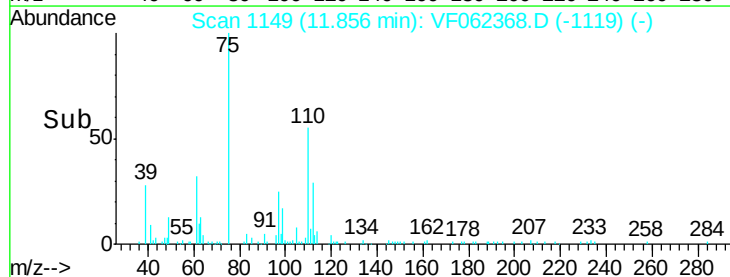
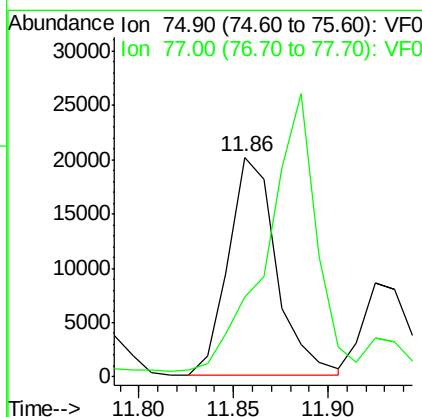
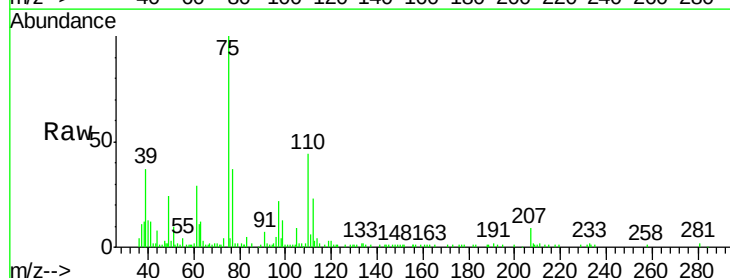
RT: 11.86 min Scan# 1149

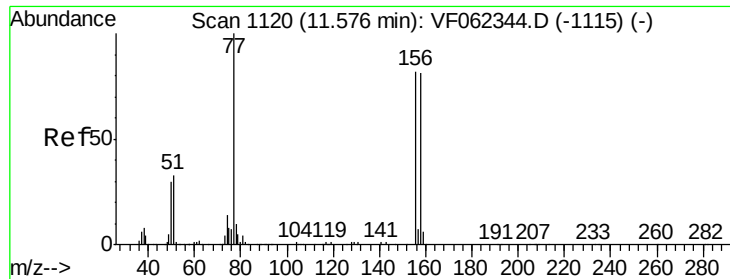
Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Tgt Ion:	75	Resp:	35287
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.760 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

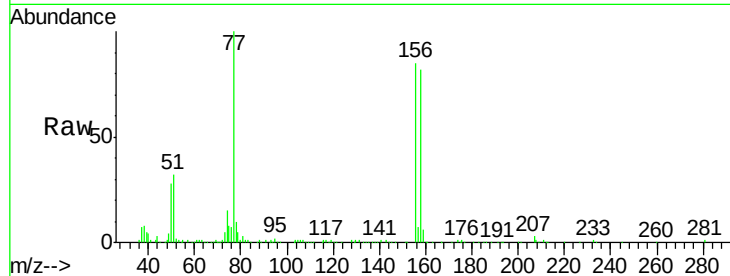
ClientSampleId :

VF0507SBSD01

Tot Ion:	156	Resp:	84851
Ion Ratio	Lower	Upper	
156	100		
77	119.6	64.8	194.3
158	92.5	49.1	147.3

Manual Integrations
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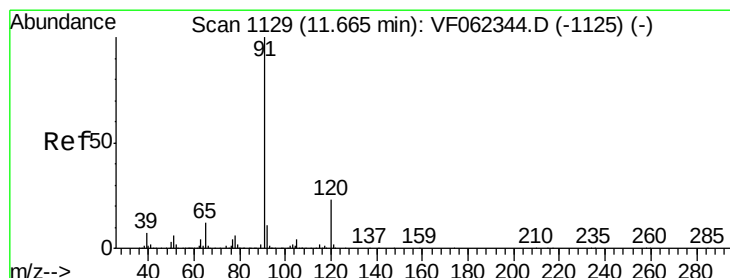
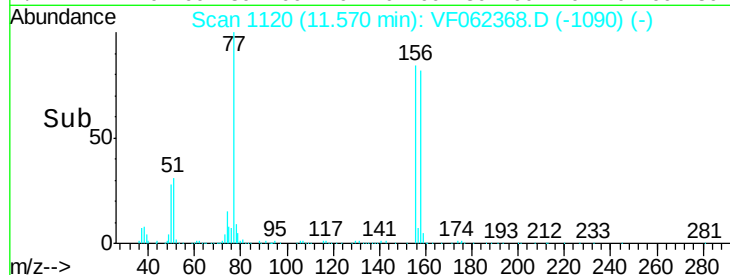
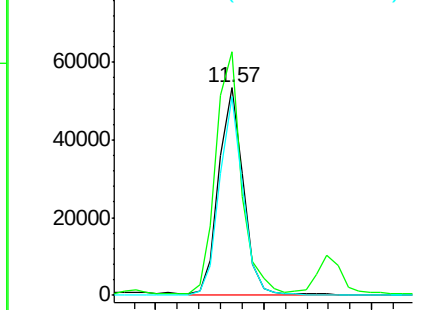
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.674 ug/l

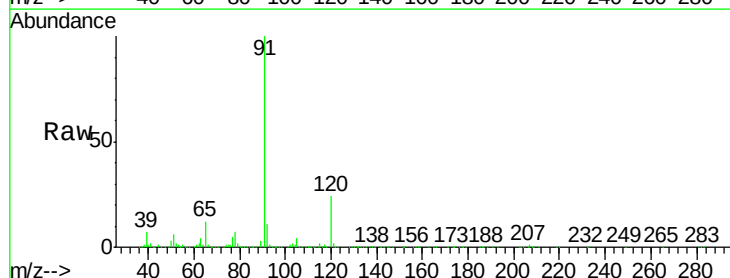
RT: 11.66 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VF062368.D

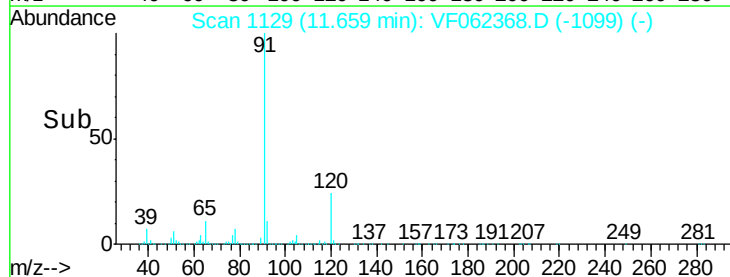
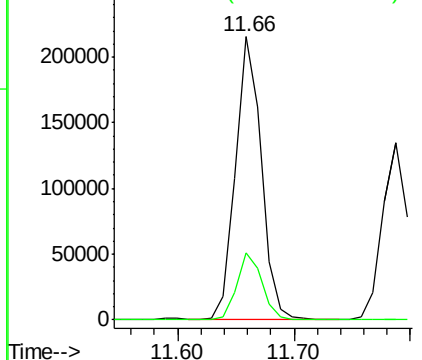
Acq: 7 May 2019 20:13

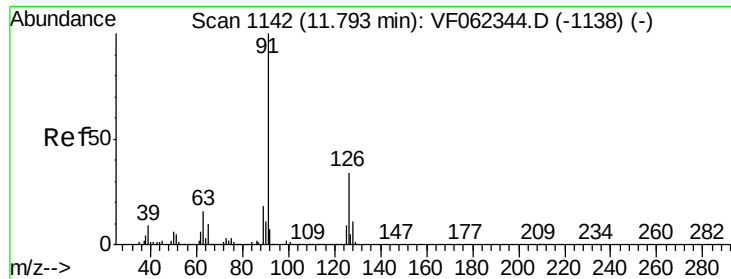
Tgt Ion:	91	Resp:	328464
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.799 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 91 Resp: 205378

Ion Ratio Lower Upper

91 100

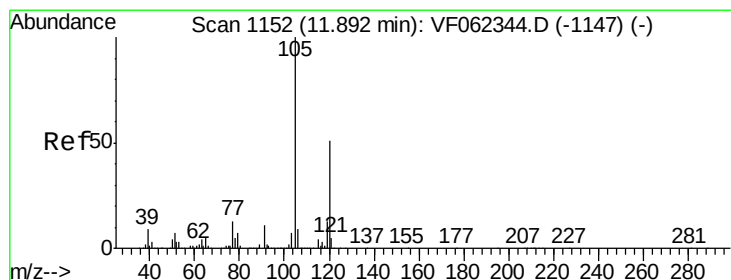
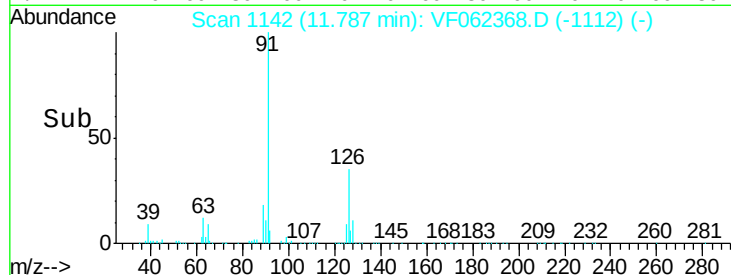
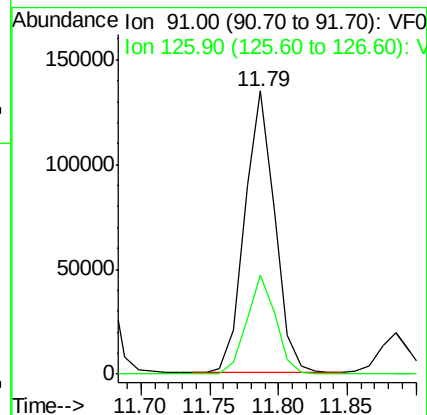
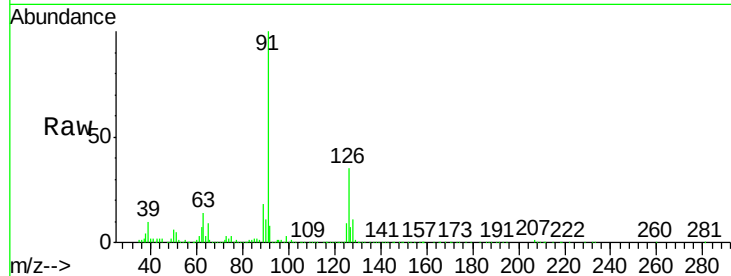
126 34.1 17.8 53.4

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#80

1,3,5-Trimethylbenzene

Concen: 23.393 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062368.D

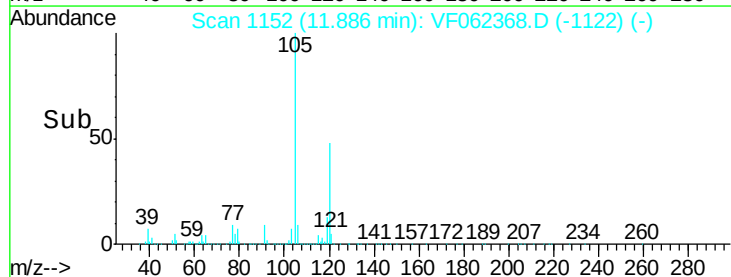
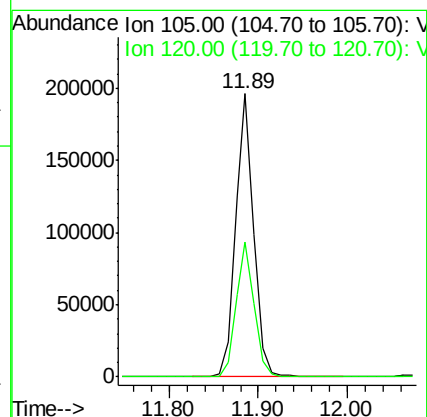
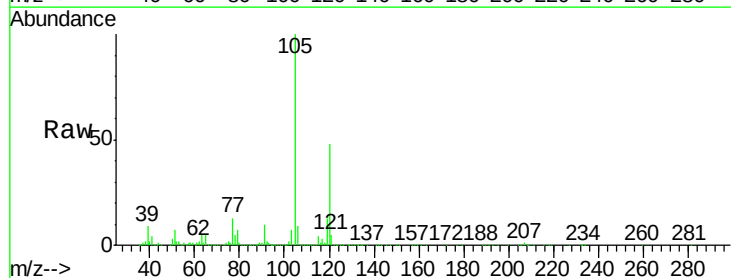
Acq: 7 May 2019 20:13

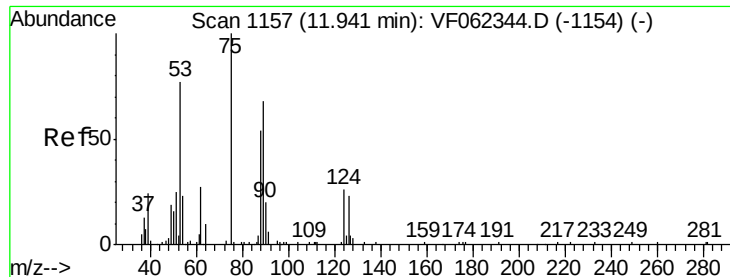
Tgt Ion: 105 Resp: 278993

Ion Ratio Lower Upper

105 100

120 48.9 24.6 74.0





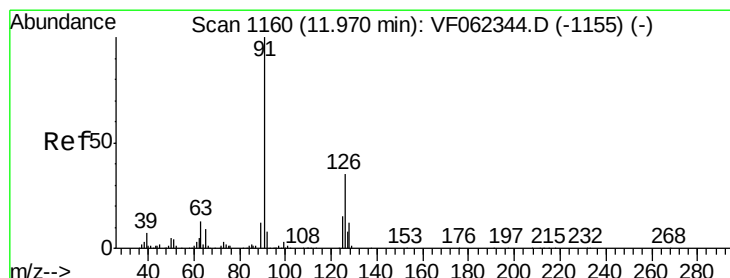
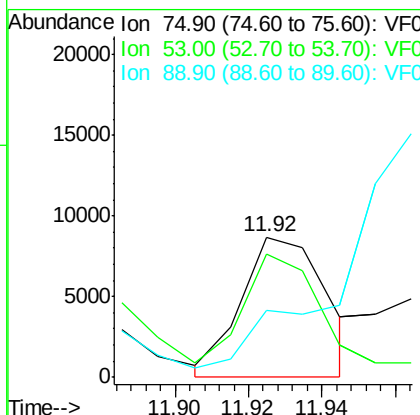
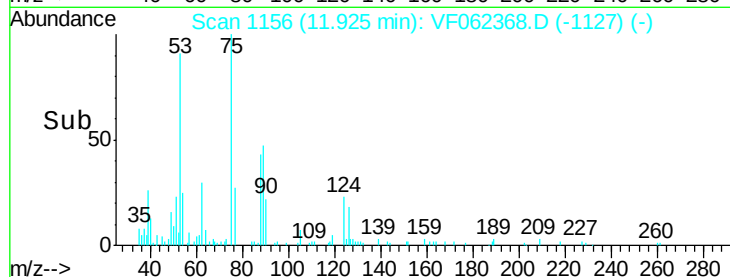
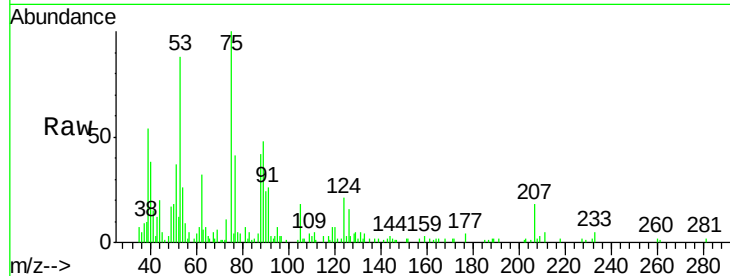
#81
trans-1,4-Dichloro-2-butene
Concen: 22.840 ug/l m
RT: 11.92 min Scan# 1156
Delta R.T. -0.02 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.6	71.9	107.9
89	0.0	0.0	0.0

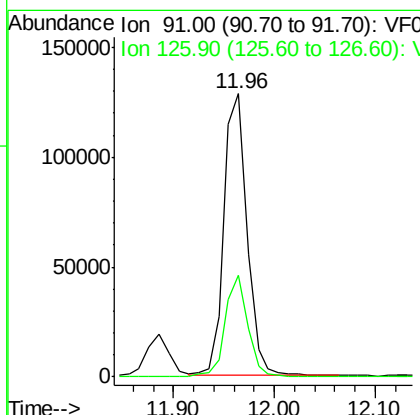
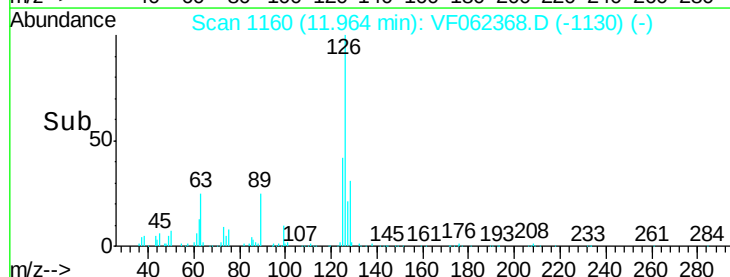
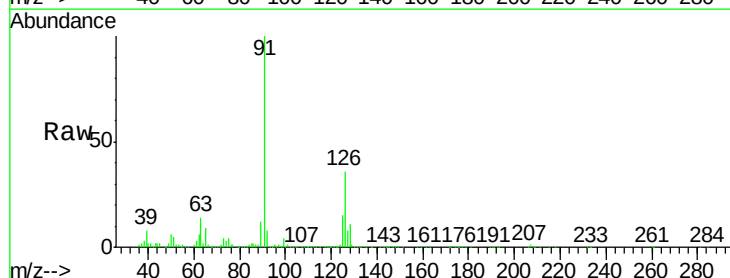
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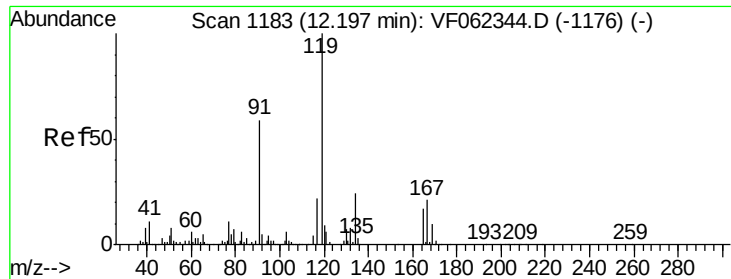
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#82
4-Chlorotoluene
Concen: 23.140 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.7	53.1





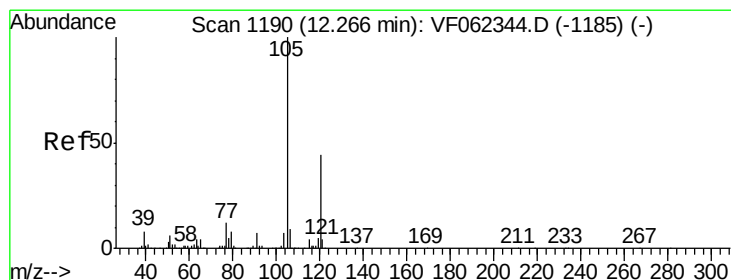
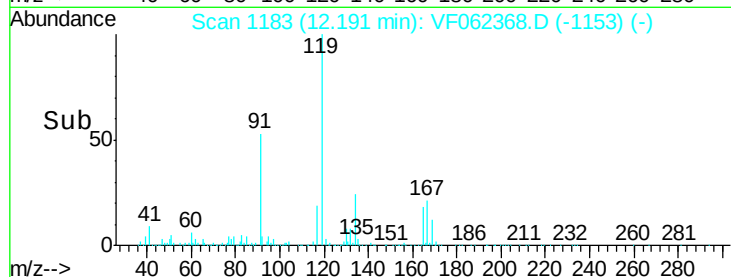
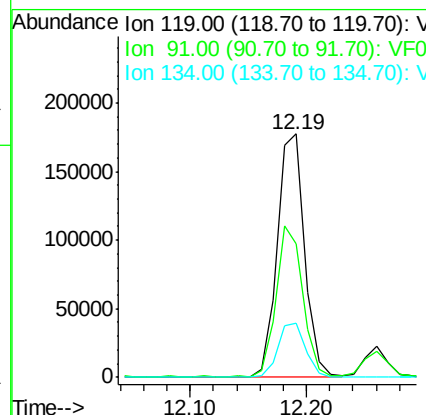
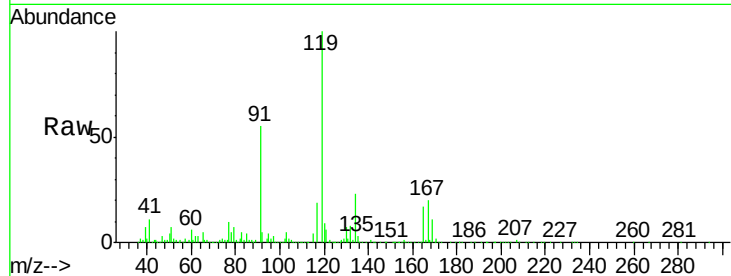
#83
 tert-Butylbenzene
 Concen: 22.876 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286729		
91	60.8		30.4	91.3
134	22.8		11.9	35.7

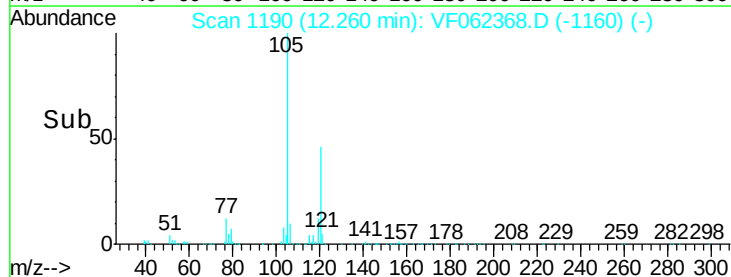
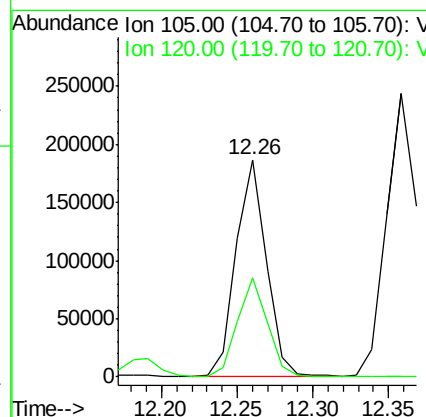
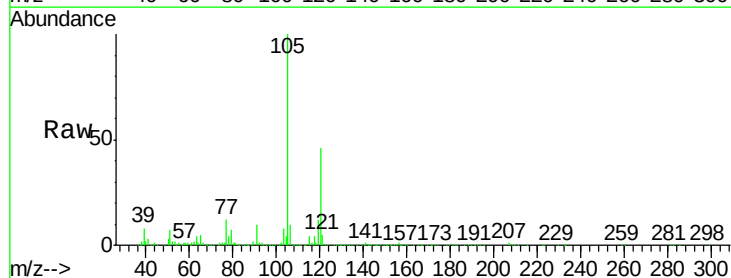
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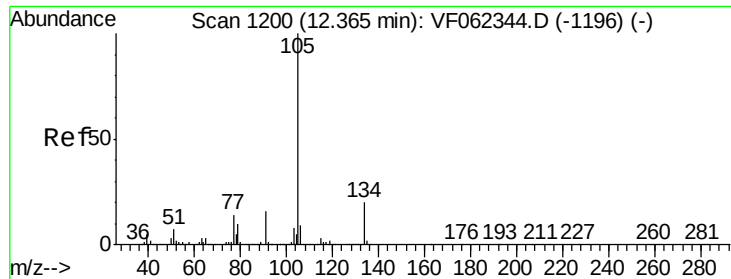
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.285 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	260099		
120	44.5		22.6	67.7





#85

sec-Butylbenzene

Concen: 23.032 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBSD01

Tot Ion:105 Resp: 351375

Ion Ratio Lower Upper

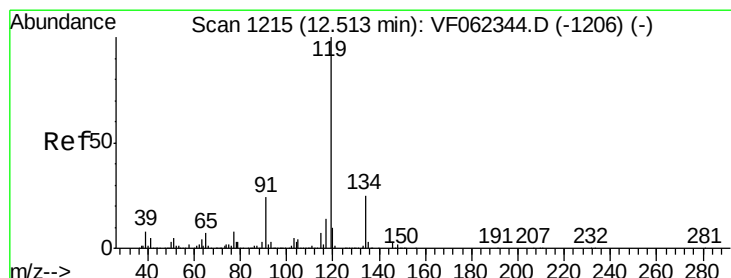
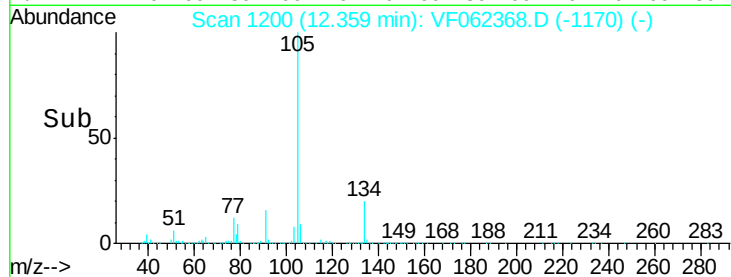
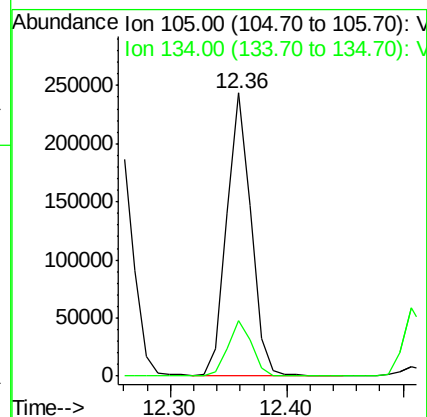
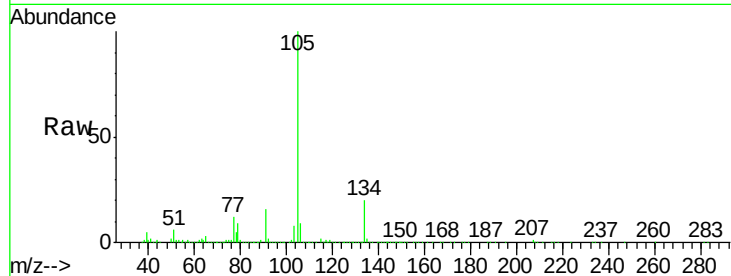
105 100

134 19.7 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 23.007 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062368.D

Acq: 7 May 2019 20:13

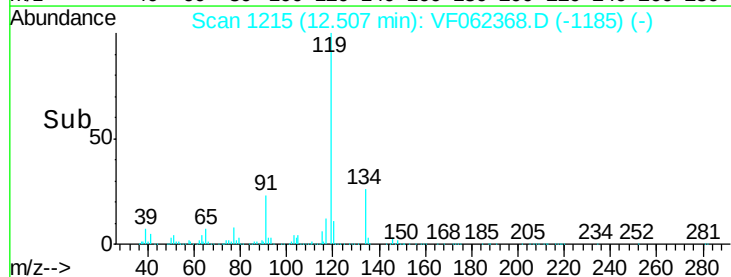
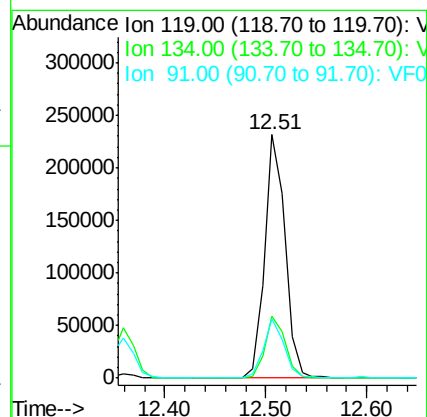
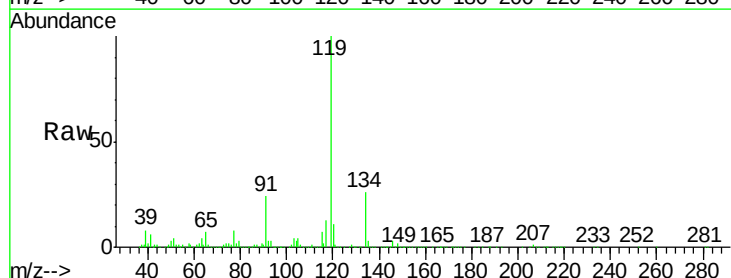
Tgt Ion:119 Resp: 326113

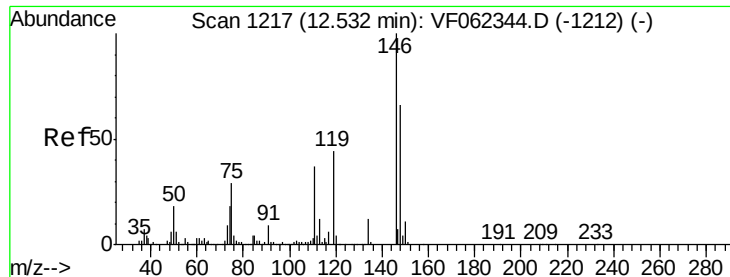
Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

91 24.4 12.3 36.8





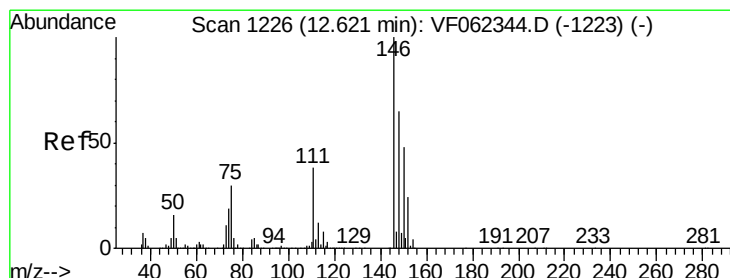
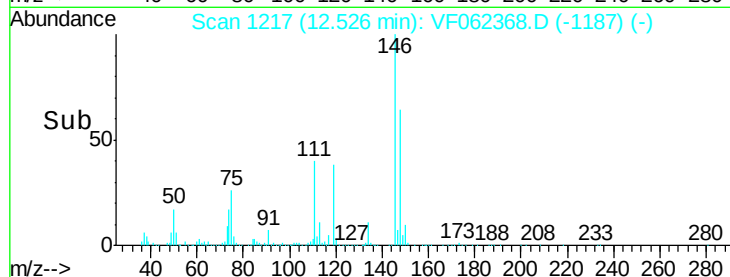
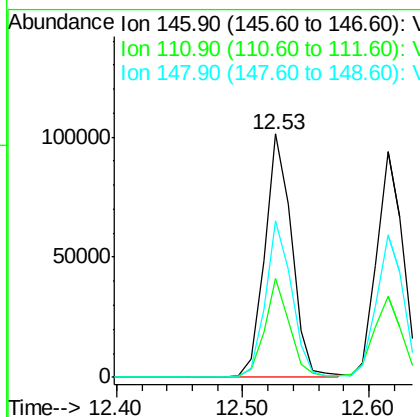
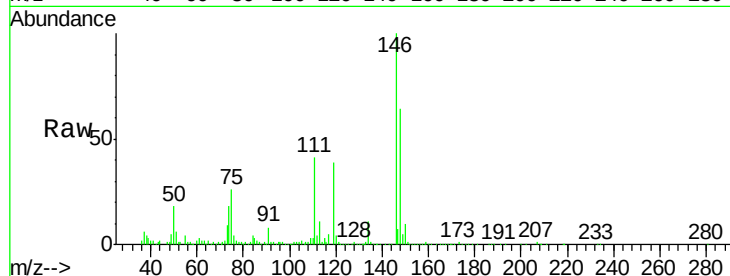
#87
 1,3-Dichlorobenzene
 Concen: 23.195 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.3	54.8
148	62.6	32.3	96.9

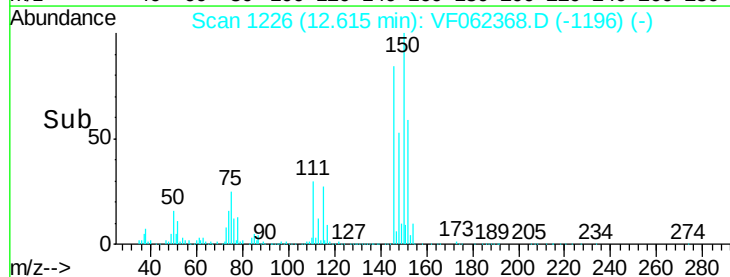
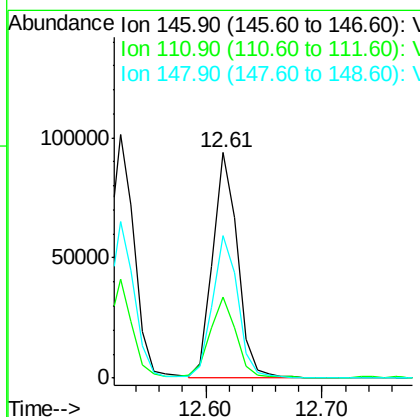
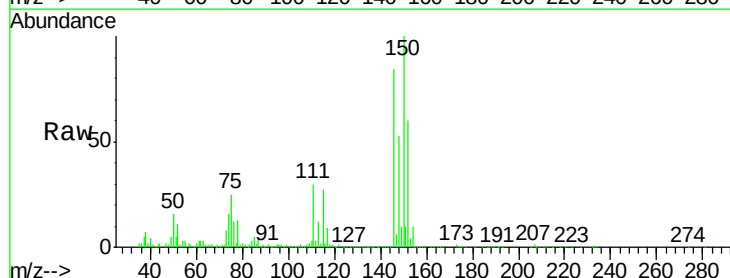
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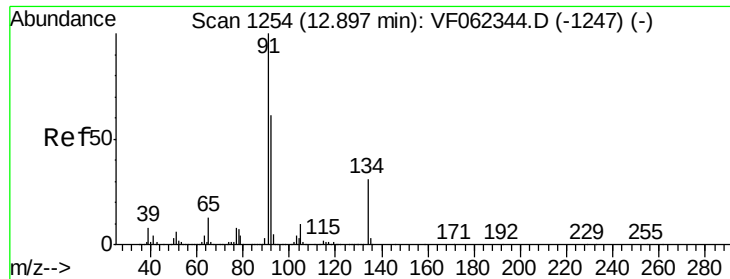
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#88
 1,4-Dichlorobenzene
 Concen: 22.091 ug/l
 RT: 12.61 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.3
148	64.9	32.2	96.6





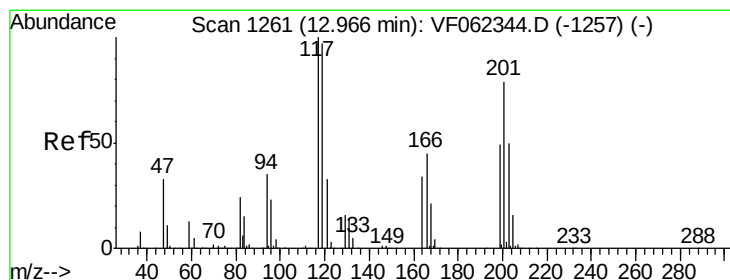
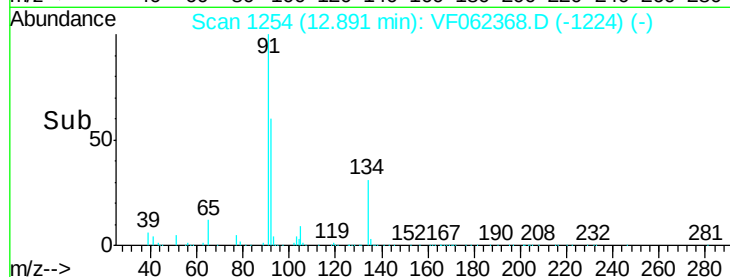
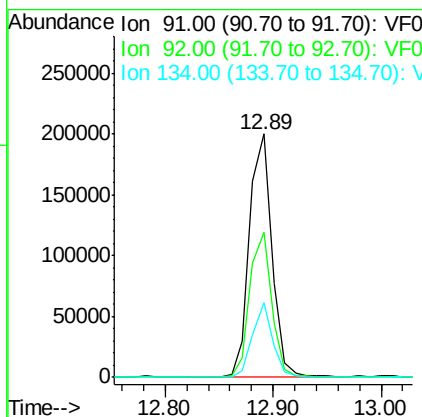
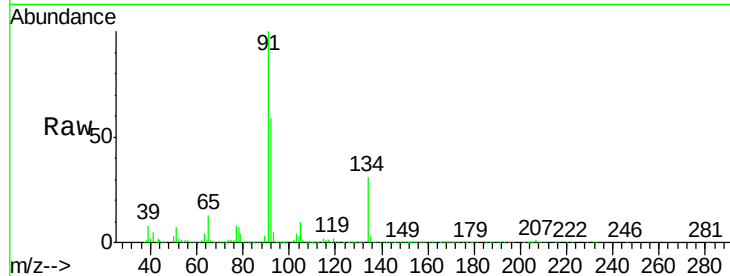
#89
n-Butylbenzene
Concen: 22.879 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	288524		
92	58.4	30.0	90.0	
134	27.4	14.1	42.4	

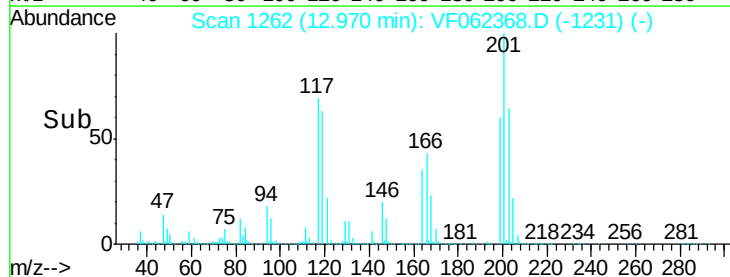
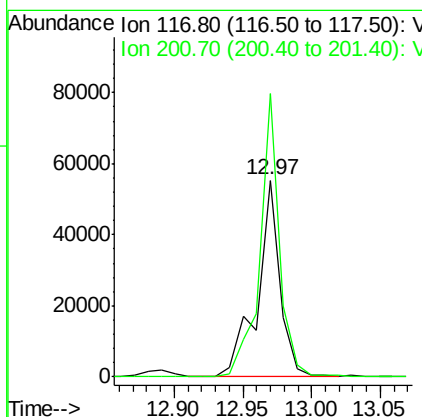
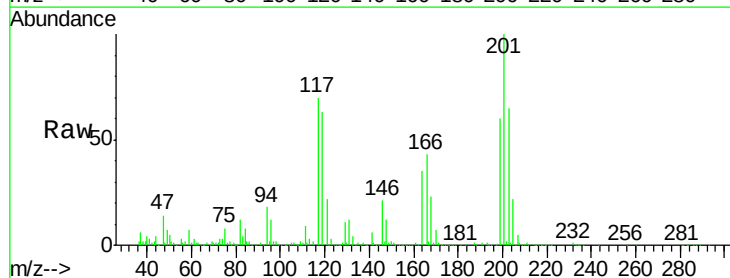
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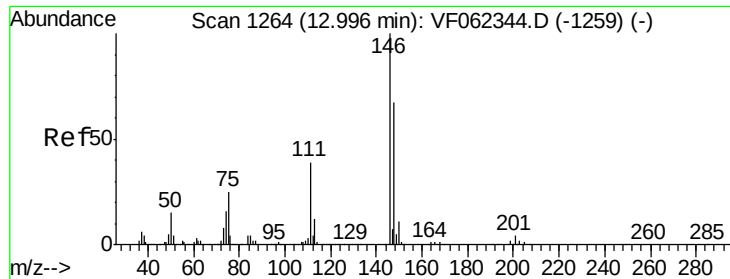
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#90
Hexachloroethane
Concen: 17.887 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	63305		
201	125.2	46.2	138.5	





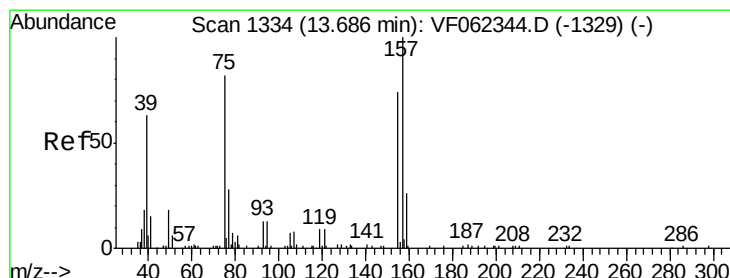
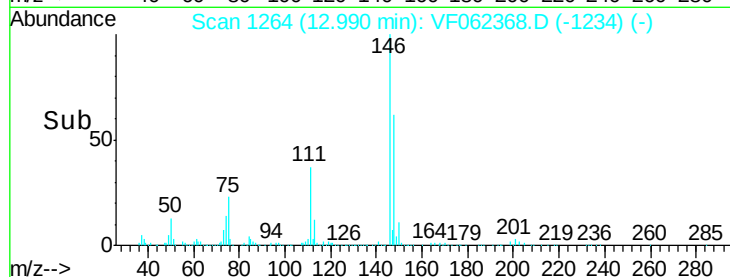
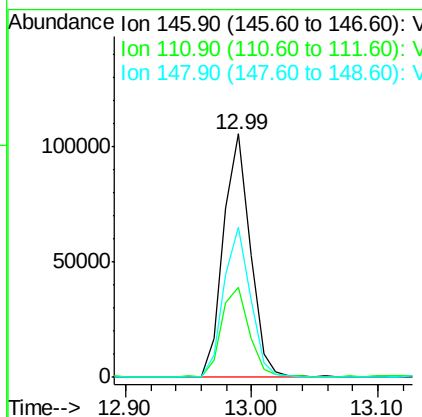
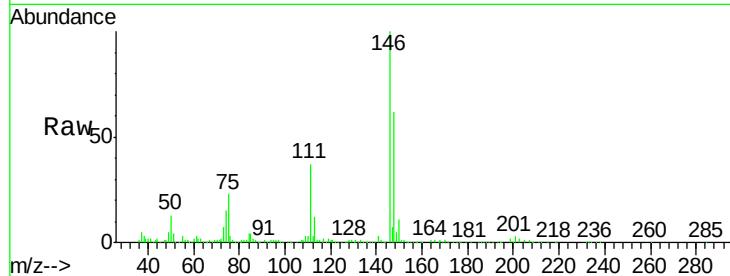
#91
 1,2-Dichlorobenzene
 Concen: 24.554 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	155003		
111	38.1		20.0	60.0
148	62.0		33.1	99.5

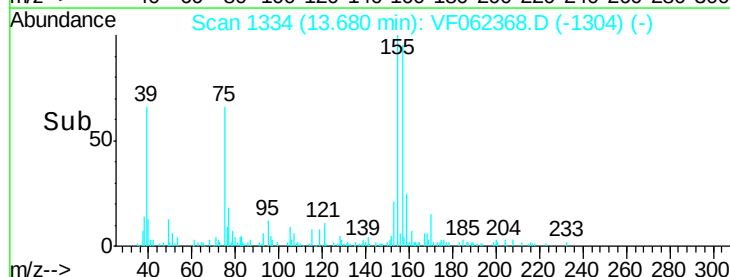
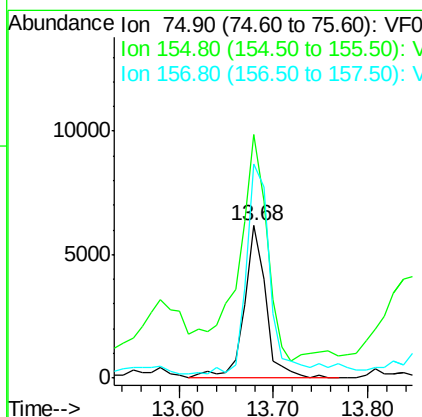
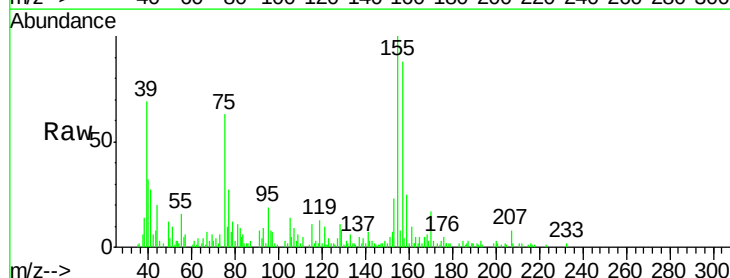
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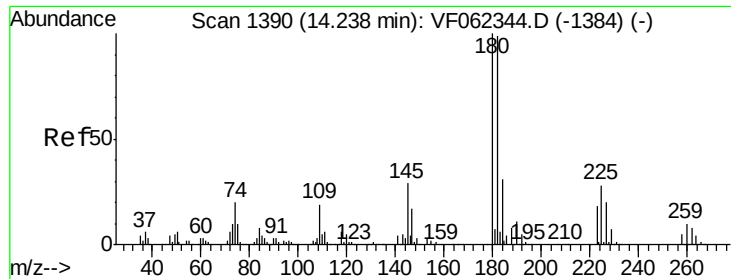
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.453 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9762		
155	189.1		51.8	155.4#
157	147.6		67.3	201.8





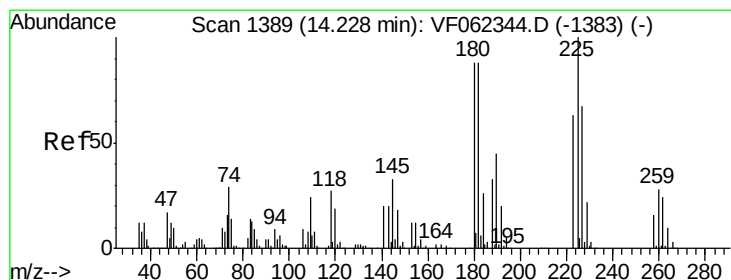
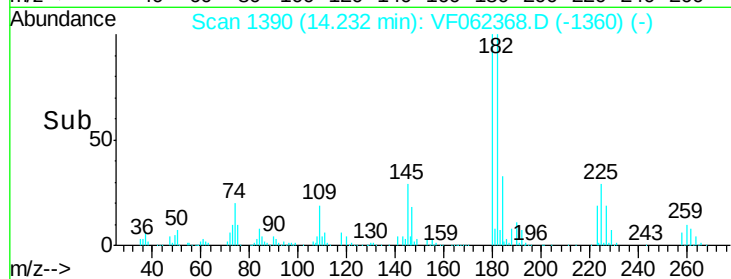
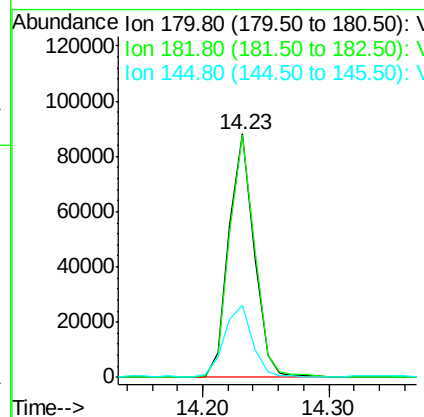
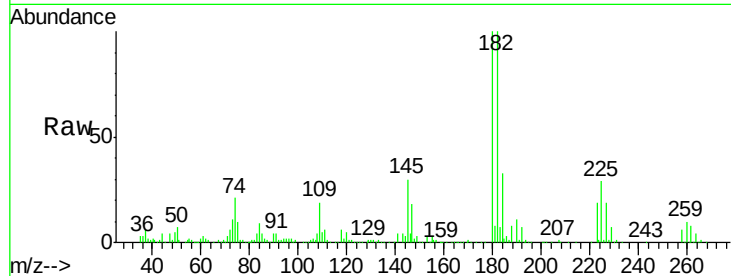
#93
 1,2,4-Trichlorobenzene
 Concen: 21.676 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.6	49.0	147.0	
145	32.5	16.7	50.1	

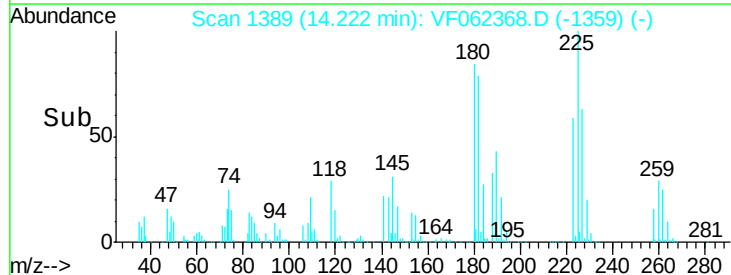
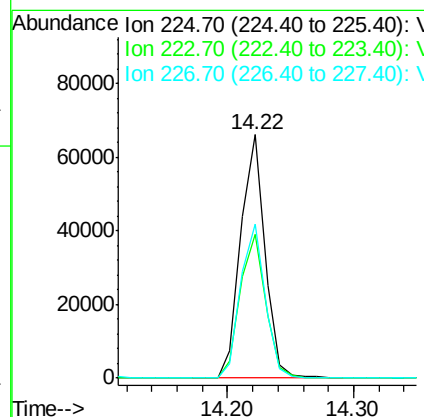
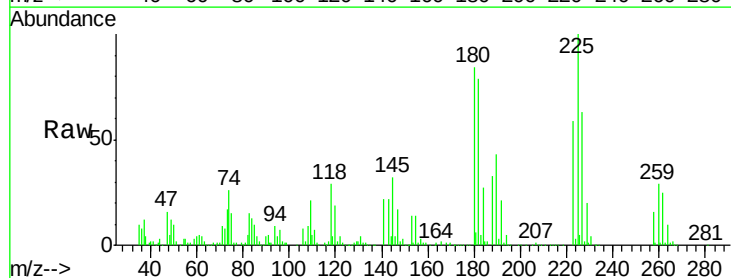
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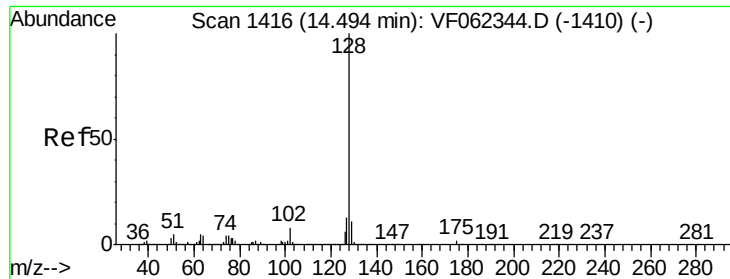
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#94
 Hexachlorobutadiene
 Concen: 20.853 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062368.D
 Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	31.9	95.5	
227	64.6	33.1	99.5	





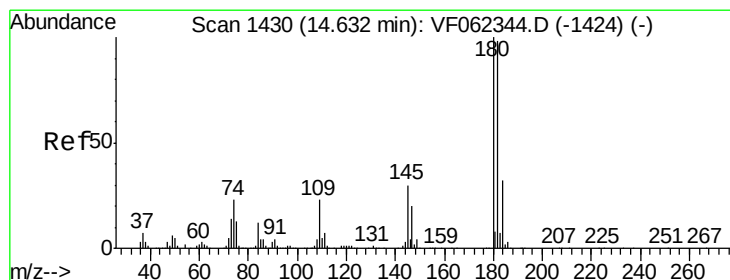
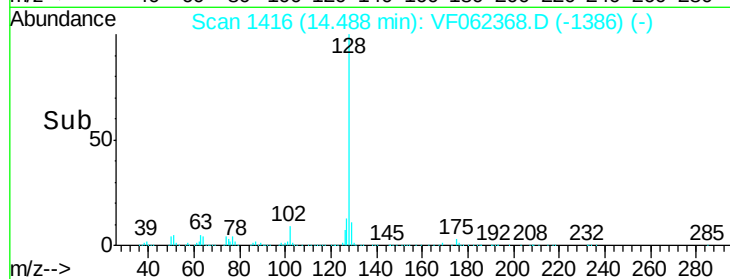
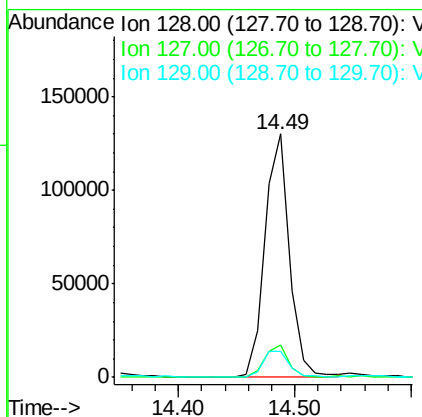
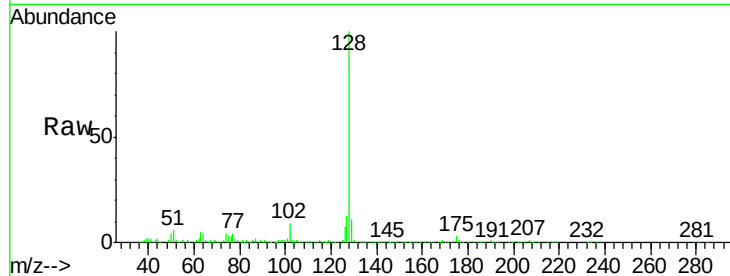
#95
Naphthalene
Concen: 22.134 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/8/2019 11:11:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.040 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062368.D
Acq: 7 May 2019 20:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	49.4	148.0
145	29.9	14.8	44.3

