

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050919\
 Data File : VF062399.D
 Acq On : 9 May 2019 16:50
 Operator : FY/SY
 Sample : VF0509SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 11:03:42 AM

Quant Time: May 10 02:23:33 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	5.04	168	308383	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	421399	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	371312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	229486	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	160457	55.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.12%	
35) Dibromofluoromethane	4.30	113	182388	54.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.66%	
50) Toluene-d8	7.70	98	417626	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.49	95	194896	53.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	81094	22.722	ug/l	93
3) Chloromethane	1.15	50	47511	20.184	ug/l	99
4) Vinyl Chloride	1.19	62	50808	21.640	ug/l	98
5) Bromomethane	1.39	94	41359	21.937	ug/l	92
6) Chloroethane	1.43	64	26802	22.706	ug/l	95
7) Trichlorofluoromethane	1.56	101	109777	22.535	ug/l	97
8) Diethyl Ether	1.71	74	14038	19.045	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	64088	23.044	ug/l	98
10) Methyl Iodide	1.97	142	103869	22.663	ug/l	98
11) Tert butyl alcohol	2.68	59	15563	94.487	ug/l	97
12) 1,1-Dichloroethene	1.87	96	48992	20.721	ug/l	91
13) Acrolein	2.09	56	9962	83.813	ug/l	88
14) Allyl chloride	2.19	41	80515	38.551	ug/l	92
15) Acrylonitrile	3.08	53	32005	102.579	ug/l	93
16) Acetone	2.34	43	61016	103.496	ug/l	96
17) Carbon Disulfide	1.91	76	112580	21.838	ug/l	97
18) Methyl Acetate	2.46	43	22662	19.145	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	102037	20.907	ug/l	99
20) Methylene Chloride	2.33	84	47484	22.262	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	46386	20.592	ug/l	98
22) Diisopropyl ether	2.93	45	141496	21.677	ug/l	98
23) Vinyl Acetate	3.33	43	280634	96.461	ug/l	100
24) 1,1-Dichloroethane	3.01	63	93503	23.701	ug/l	97
25) 2-Butanone	4.52	43	77444	104.560	ug/l	98
26) 2,2-Dichloropropane	3.76	77	54248	24.623	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	60454	21.469	ug/l	97
28) Bromochloromethane	3.89	49	33627	18.794	ug/l	97
29) Tetrahydrofuran	4.25	42	30583	89.842	ug/l	98
30) Chloroform	4.04	83	120141	22.541	ug/l	91
31) Cyclohexane	3.87	56	69770	22.157	ug/l	85
32) 1,1,1-Trichloroethane	4.28	97	107260	23.481	ug/l	97
36) 1,1-Dichloropropene	4.47	75	79776	22.038	ug/l	97
37) Ethyl Acetate	4.30	43	28070	16.369	ug/l #	100
38) Carbon Tetrachloride	4.17	117	96897m	24.382	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	76848	21.167	ug/l	96
40) Benzene	4.81	78	164281	20.609	ug/l	96
41) Methacrylonitrile	4.92	41	14307	16.483	ug/l #	87
42) 1,2-Dichloroethane	5.12	62	68995	20.695	ug/l	98
43) Isopropyl Acetate	7.11	43	31398	19.069	ug/l	94
44) Trichloroethene	5.67	130	65788	22.467	ug/l	100
45) 1,2-Dichloropropane	6.40	63	38572	21.363	ug/l	89
46) Dibromomethane	6.25	93	32860	21.950	ug/l	93
47) Bromodichloromethane	6.55	83	77612	20.736	ug/l	96
48) Methyl methacrylate	6.87	41	23131	19.879	ug/l	93
49) 1,4-Dioxane	6.85	88	4426	361.497	ug/l	93
51) 4-Methyl-2-Pentanone	8.39	43	119593	95.854	ug/l	98
52) Toluene	7.77	92	106661	21.689	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	56973	20.126	ug/l	92
54) cis-1,3-Dichloropropene	7.44	75	71683	21.758	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	32539	20.844	ug/l	97
56) Ethyl methacrylate	8.75	69	30200	18.326	ug/l	93
57) 1,3-Dichloropropane	8.98	76	49964	21.189	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.44	63	45128	91.088	ug/l	98
59) 2-Hexanone	9.61	43	87746	101.690	ug/l	96
60) Dibromochloromethane	8.85	129	52918	20.726	ug/l	97
61) 1,2-Dibromoethane	9.12	107	37141	20.243	ug/l	98
64) Tetrachloroethene	8.29	164	63042	20.913	ug/l	97
65) Chlorobenzene	9.92	112	134651	21.917	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	64061	20.670	ug/l	99
67) Ethyl Benzene	10.02	91	226255	21.031	ug/l	100
68) m/p-Xylenes	10.24	106	170021	42.834	ug/l	94
69) o-Xylene	10.81	106	93524	21.805	ug/l	91
70) Styrene	10.88	104	135524	21.083	ug/l	100
71) Bromoform	10.86	173	33065	19.474	ug/l #	98
73) Isopropylbenzene	11.21	105	283892	20.867	ug/l	100
74) N-amyl acetate	11.44	43	53976	18.480	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	42404	19.906	ug/l	96
76) 1,2,3-Trichloropropane	11.86	75	31414	19.329	ug/l #	100
77) Bromobenzene	11.57	156	72464	20.295	ug/l	99
78) n-propylbenzene	11.66	91	317840	21.944	ug/l	98
79) 2-Chlorotoluene	11.79	91	188599	20.940	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	256255	21.490	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.93	75	11981m	19.612	ug/l	
82) 4-Chlorotoluene	11.96	91	192023	21.586	ug/l	97
83) tert-Butylbenzene	12.19	119	265153	21.158	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	252762	21.660	ug/l	99
85) sec-Butylbenzene	12.36	105	330746	21.683	ug/l	98
86) p-Isopropyltoluene	12.51	119	312929	22.081	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	141295	21.668	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	131195	20.845	ug/l	99
89) n-Butylbenzene	12.89	91	286734	22.741	ug/l	97
90) Hexachloroethane	12.96	117	74166	20.959	ug/l	95
91) 1,2-Dichlorobenzene	12.98	146	139238	22.060	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	8400	17.602	ug/l	95

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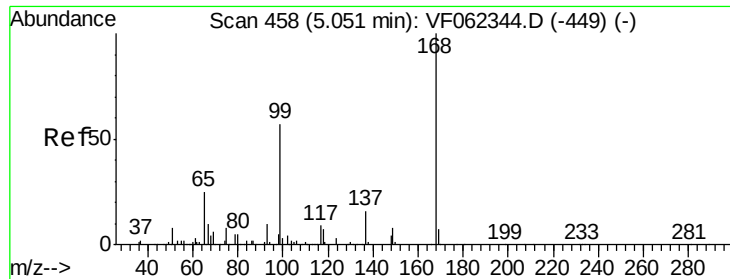
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	116212	20.527	ug/l	99
94) Hexachlorobutadiene	14.22	225	89556	21.224	ug/l	98
95) Naphthalene	14.48	128	164758	19.357	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	115657	21.087	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBSD01

Tot Ion:168 Resp: 308383

Ion Ratio Lower Upper

168 100

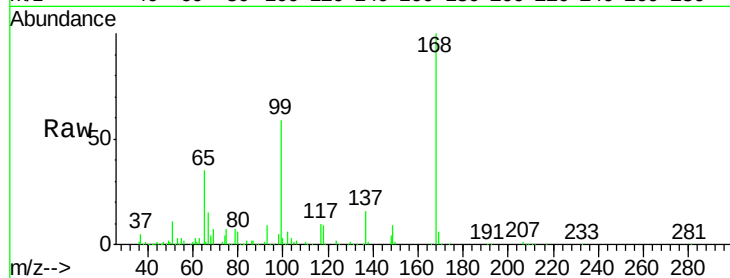
99 59.1 45.9 68.9

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

120000

100000

80000

60000

40000

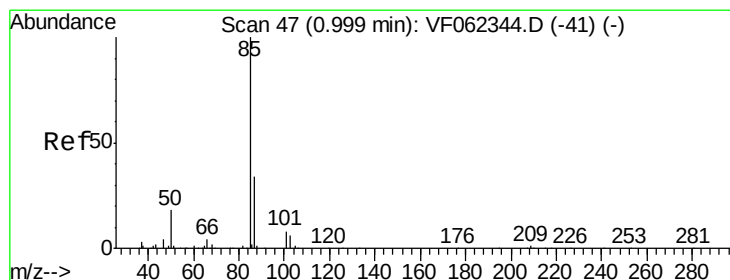
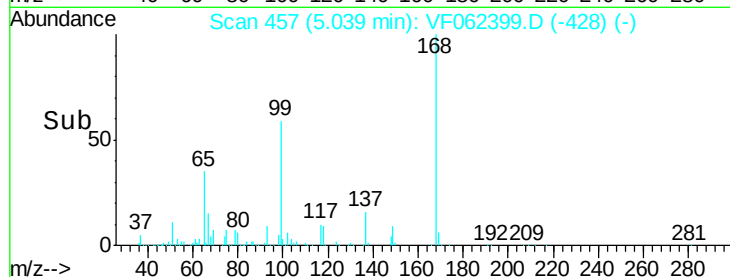
20000

0

5.00

5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 22.722 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062399.D

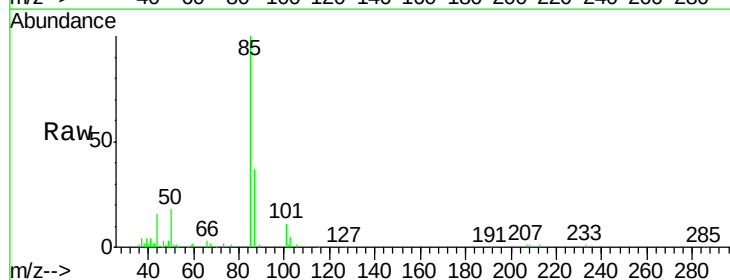
Acq: 9 May 2019 16:50

Tgt Ion: 85 Resp: 81094

Ion Ratio Lower Upper

85 100

87 37.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

25000

20000

15000

10000

5000

0

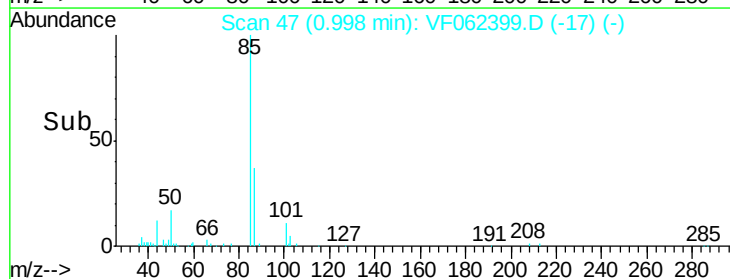
0.90

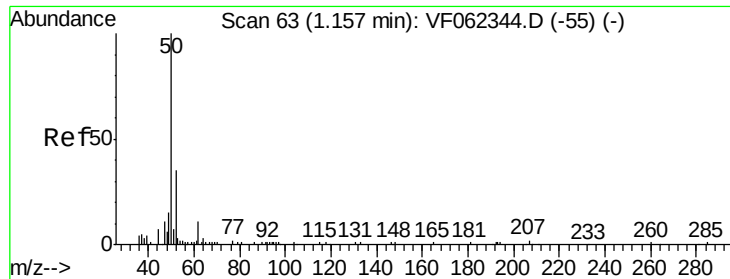
1.00

1.10

1.20

Time-->





#3

Chloromethane

Concen: 20.184 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBS01

Tot Ion: 50 Resp: 47511

Ion Ratio Lower Upper

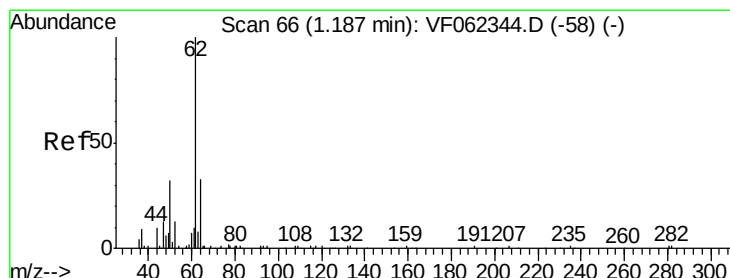
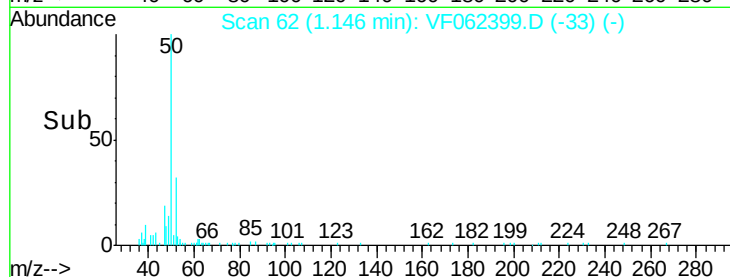
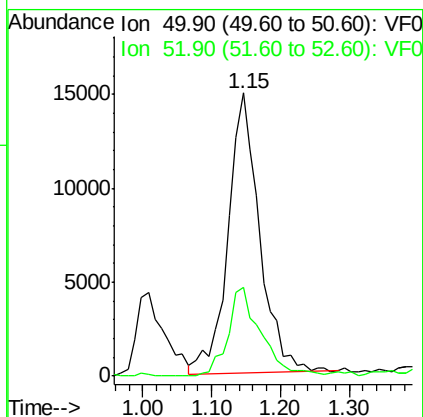
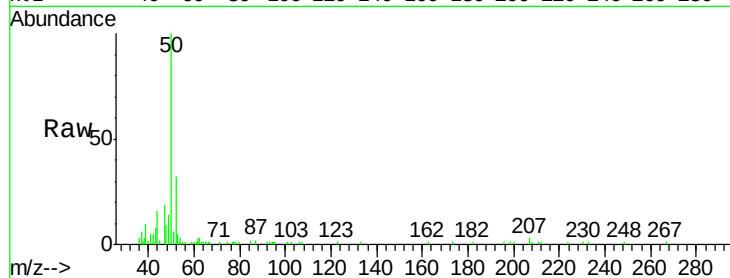
50 100

52 32.2 26.1 39.1

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#4

Vinyl Chloride

Concen: 21.640 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062399.D

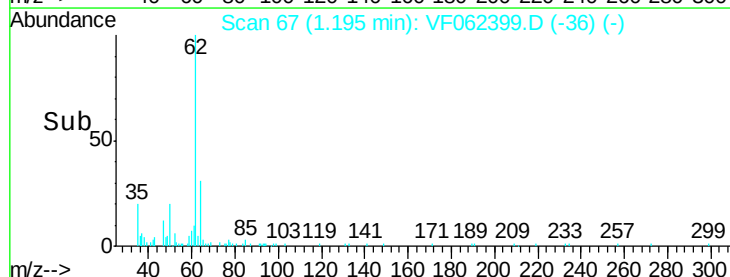
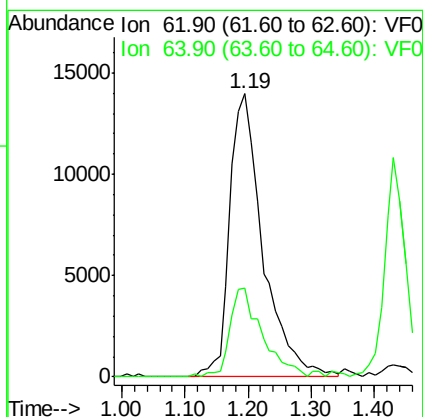
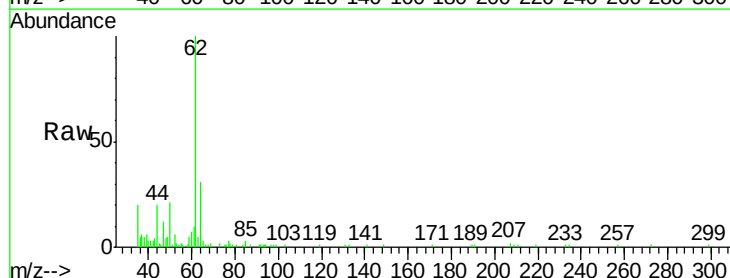
Acq: 9 May 2019 16:50

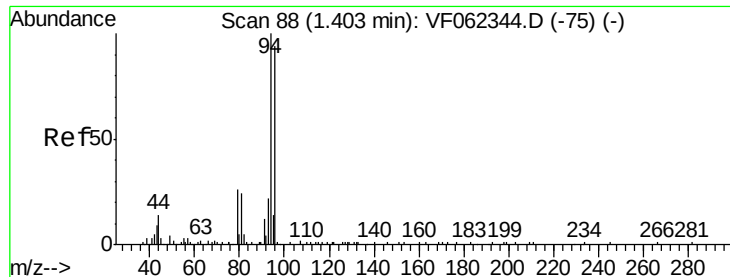
Tgt Ion: 62 Resp: 50808

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1





#5

Bromomethane

Concen: 21.937 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBS01

Tot Ion: 94 Resp: 41359

Ion Ratio Lower Upper

94 100

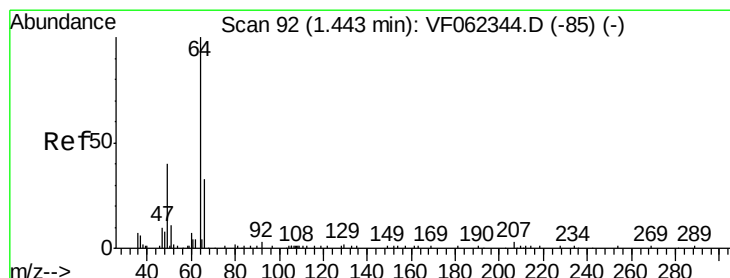
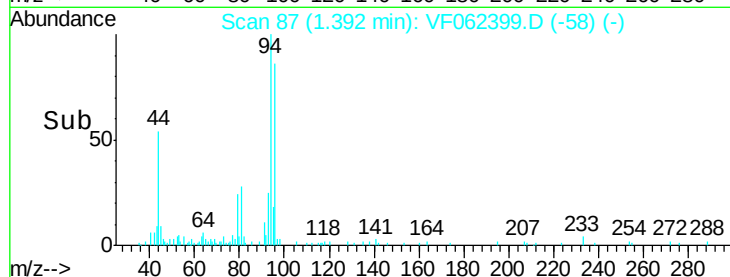
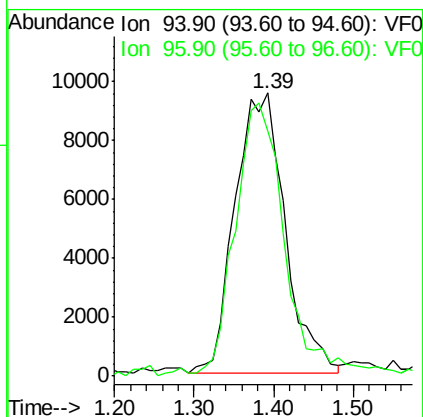
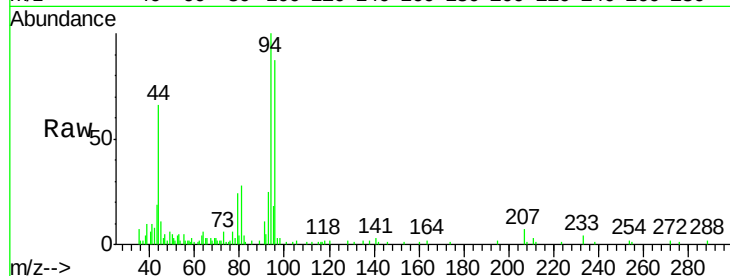
96 86.7 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 22.706 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062399.D

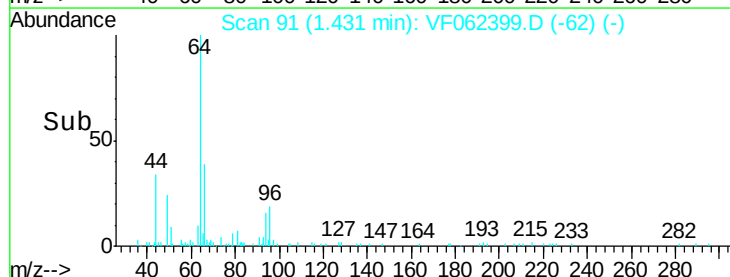
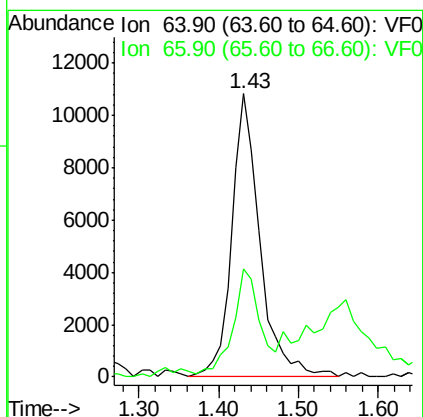
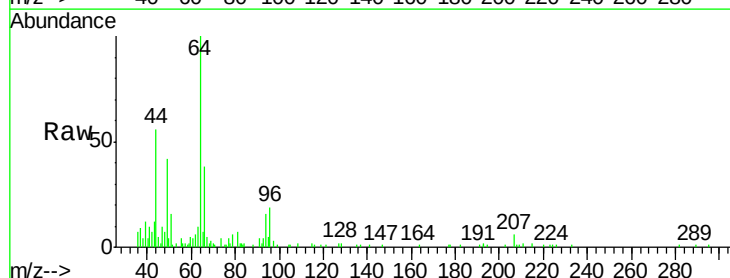
Acq: 9 May 2019 16:50

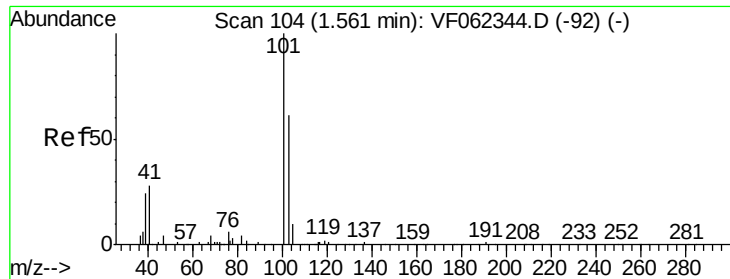
Tgt Ion: 64 Resp: 26802

Ion Ratio Lower Upper

64 100

66 35.9 26.6 39.8





#7

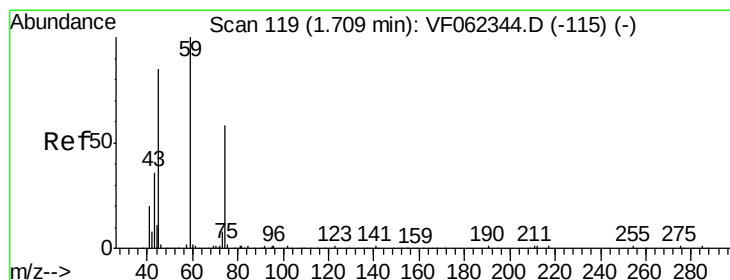
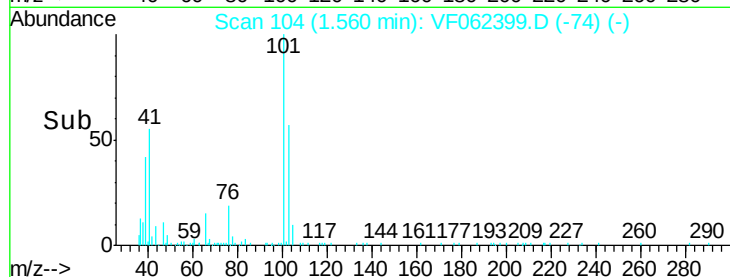
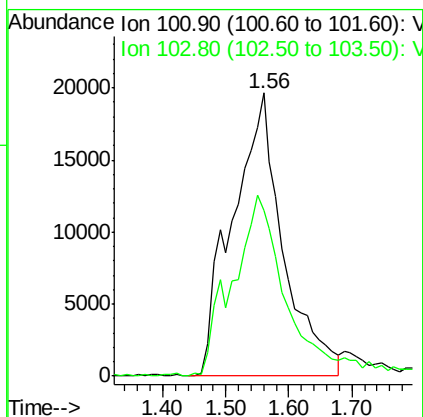
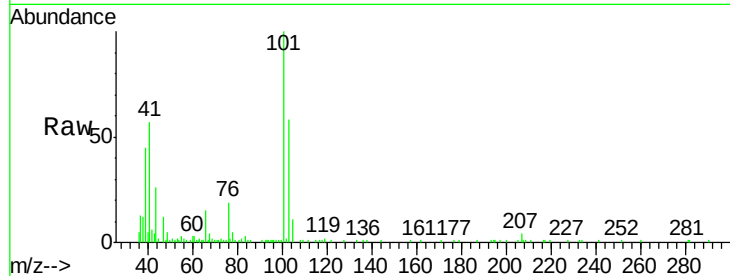
Trichlorofluoromethane
Concen: 22.535 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

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ClientSampleId :
VF0509SBSD01

Tot Ion:101 Resp: 109777
Ion Ratio Lower Upper
101 100
103 58.4 48.5 72.7

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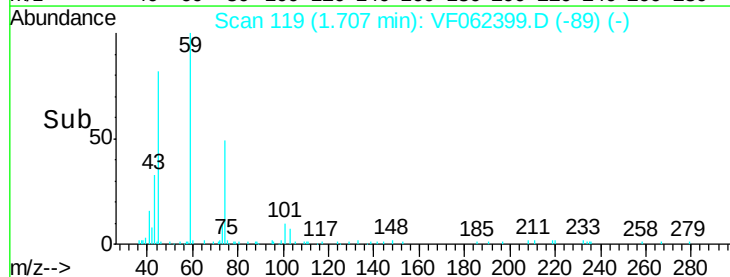
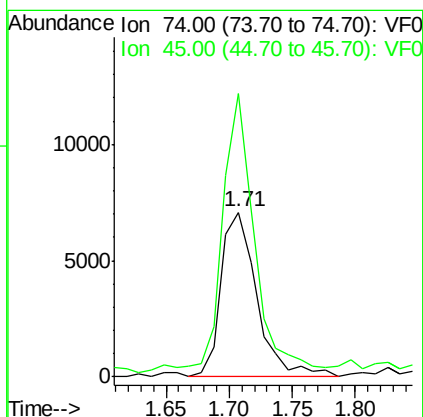
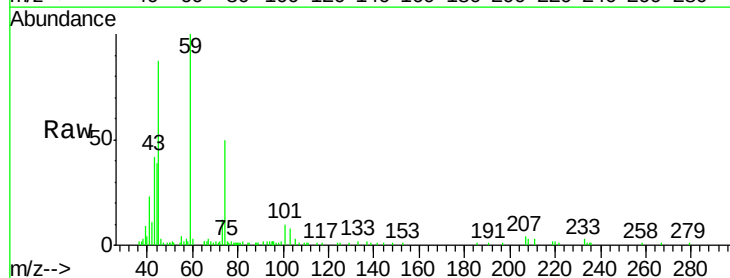
MMDadoda
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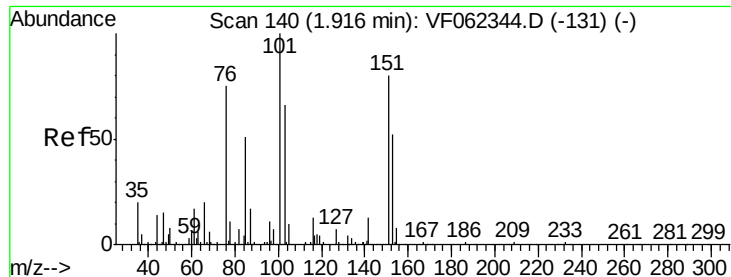


#8

Diethyl Ether
Concen: 19.045 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion: 74 Resp: 14038
Ion Ratio Lower Upper
74 100
45 150.6 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.044 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

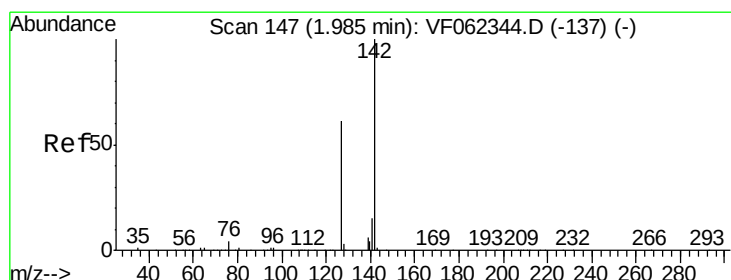
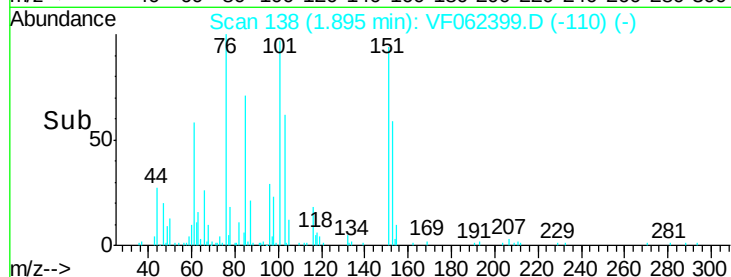
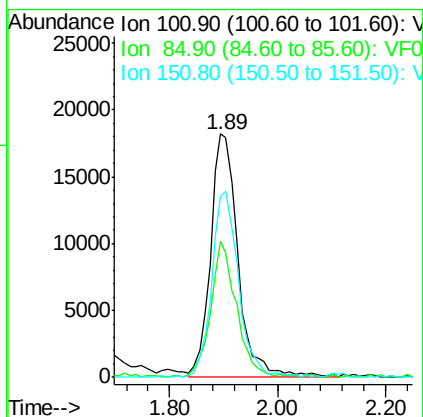
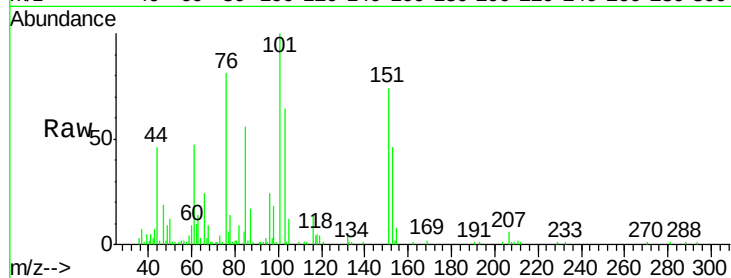
ClientSampleId :

VF0509SBSD01

Tot Ion:	101	Resp:	64088
Ion Ratio	Lower	Upper	
101	100		
85	52.4	39.5	59.3
151	74.5	59.9	89.9

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#10

Methyl Iodide

Concen: 22.663 ug/l

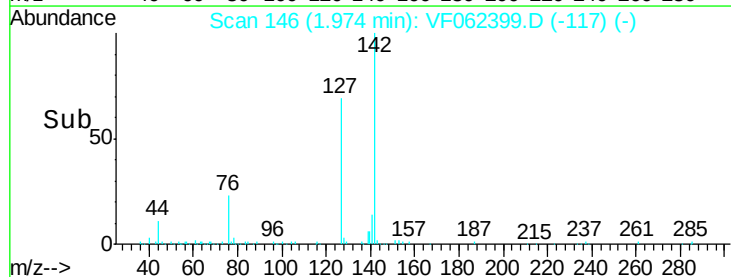
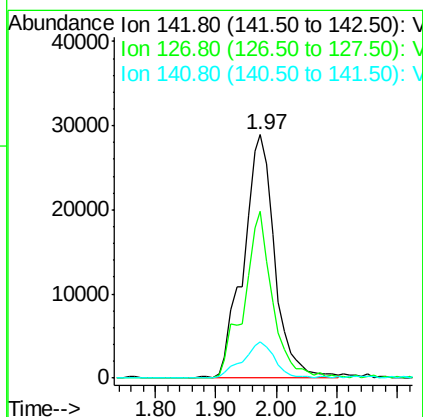
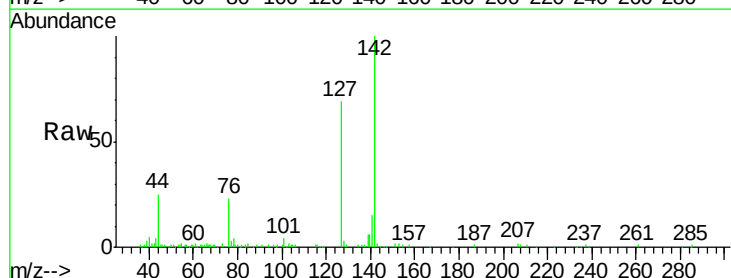
RT: 1.97 min Scan# 146

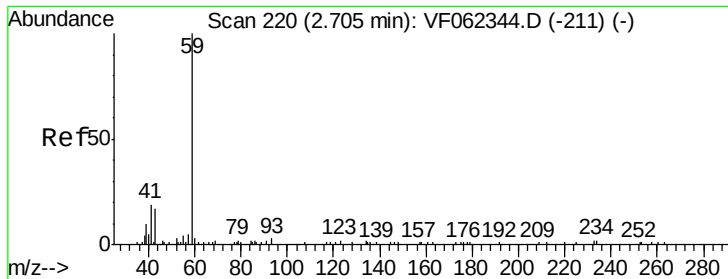
Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion:	142	Resp:	103869
Ion Ratio	Lower	Upper	
142	100		
127	62.7	48.4	72.6
141	15.4	12.2	18.4





#11

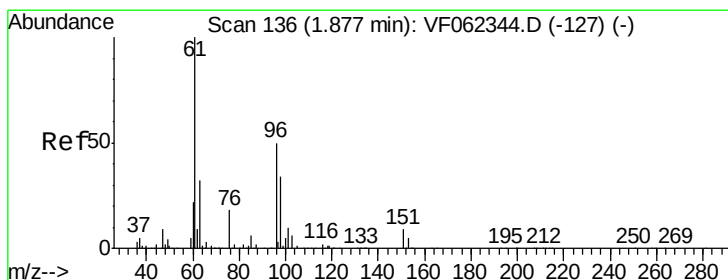
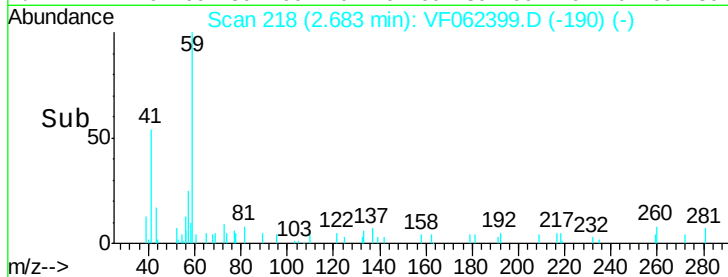
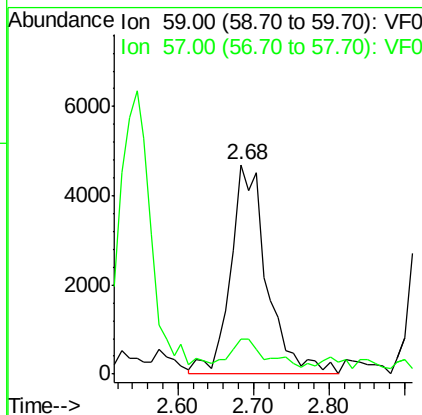
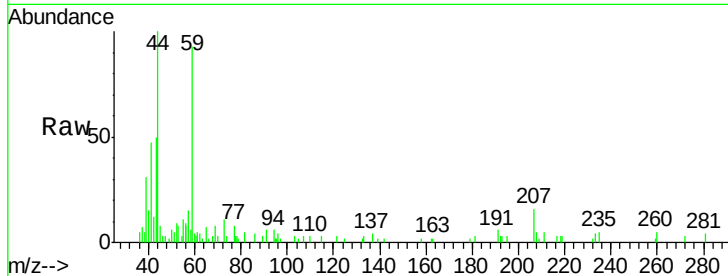
Tert butyl alcohol
Concen: 94.487 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.6	9.3	13.9

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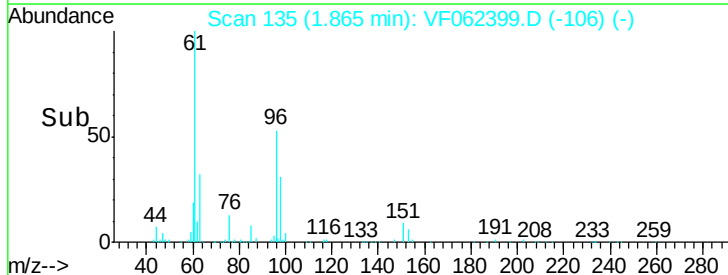
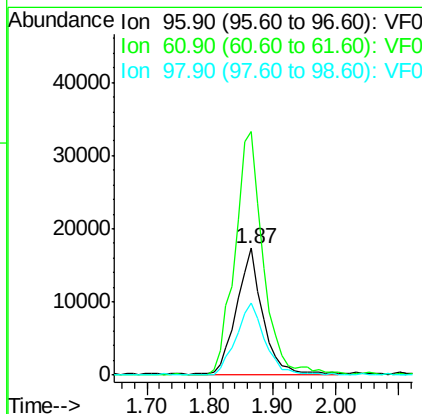
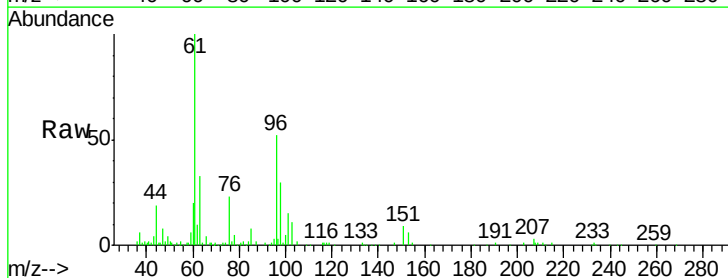
MMDadoda
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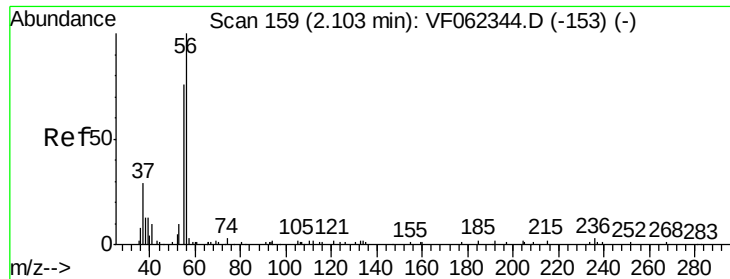


#12

1,1-Dichloroethene
Concen: 20.721 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.8	163.2	244.8
98	57.5	55.2	82.8





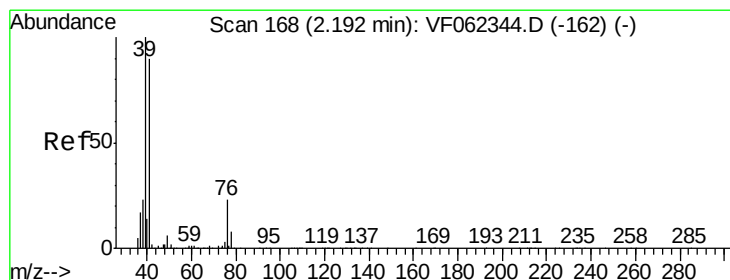
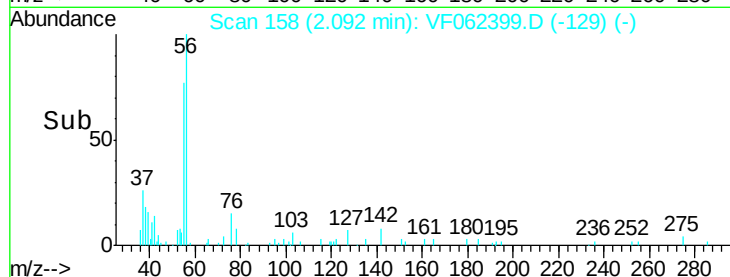
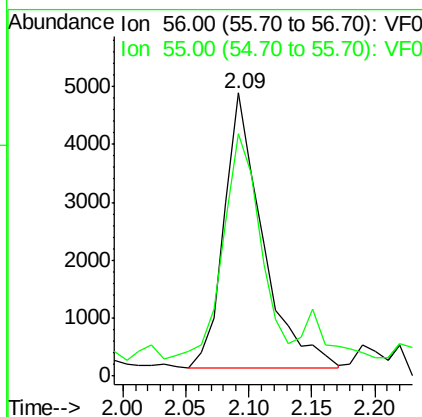
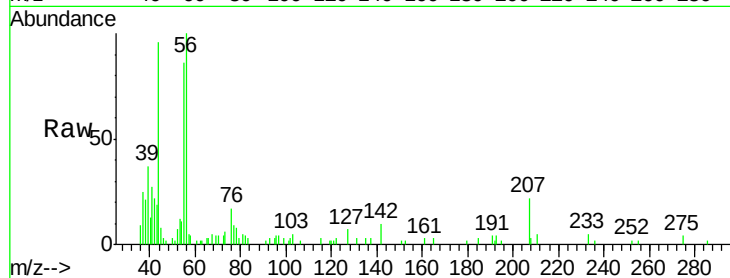
#13
Acrolein
Concen: 83.813 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	83.3	58.4	87.6

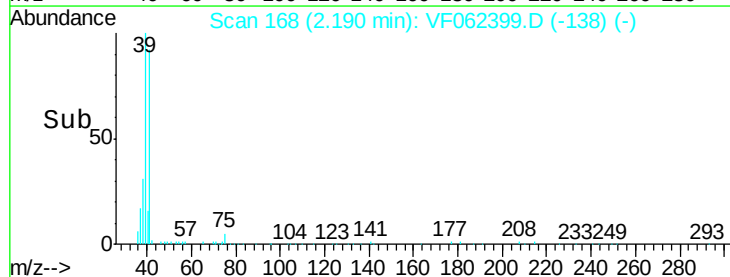
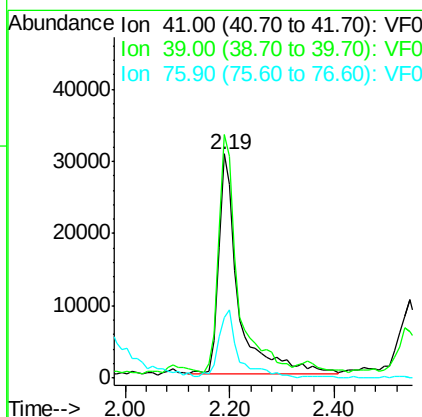
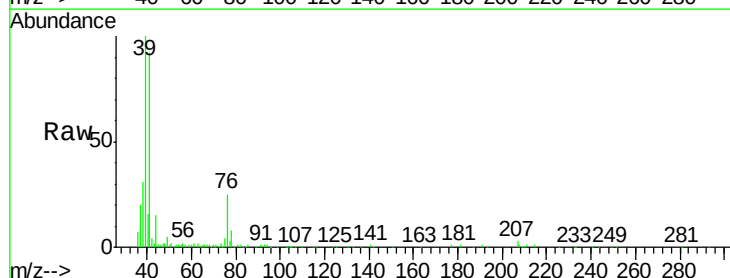
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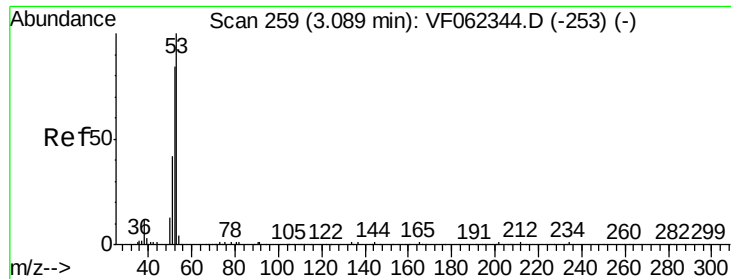
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#14
Allyl chloride
Concen: 38.551 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
41	100		
39	104.3	90.8	136.2
76	29.8	22.2	33.4





#15

Acrylonitrile

Concen: 102.579 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

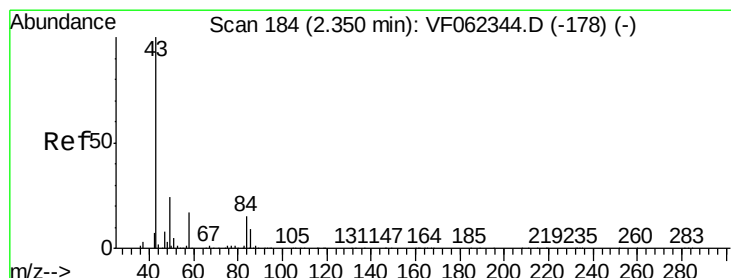
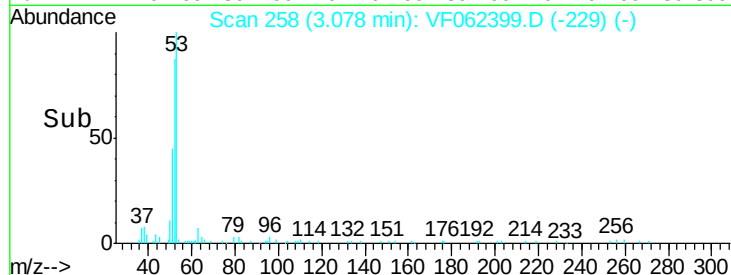
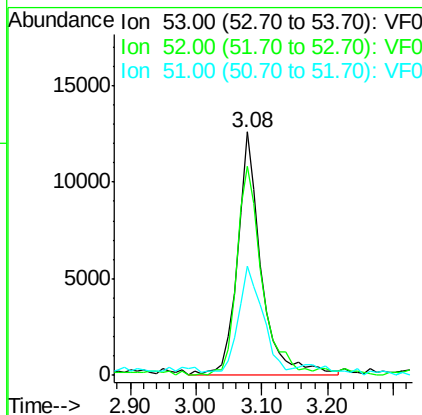
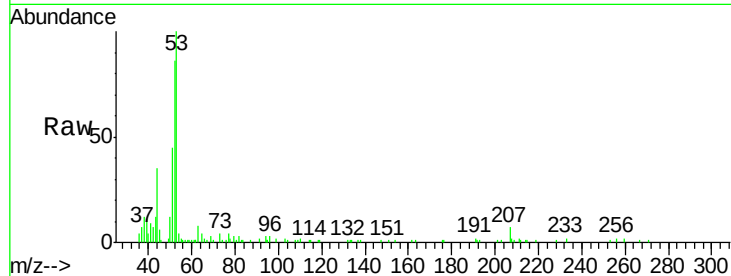
ClientSampleId :

VF0509SBS01

Tot Ion:	53	Resp:	32005
Ion	Ratio	Lower	Upper
53	100		
52	90.9	77.2	115.8
51	43.4	40.6	61.0

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#16

Acetone

Concen: 103.496 ug/l

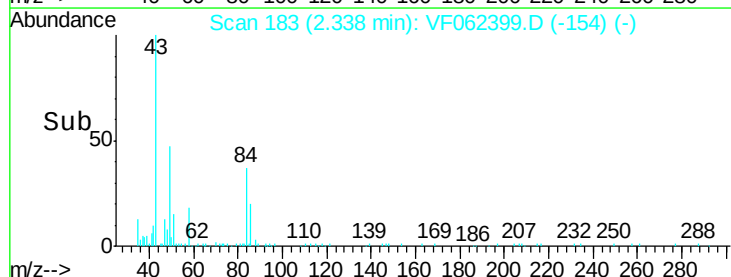
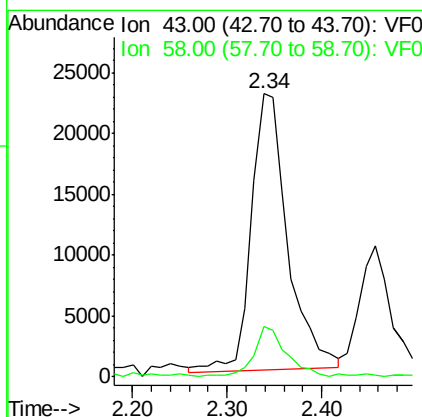
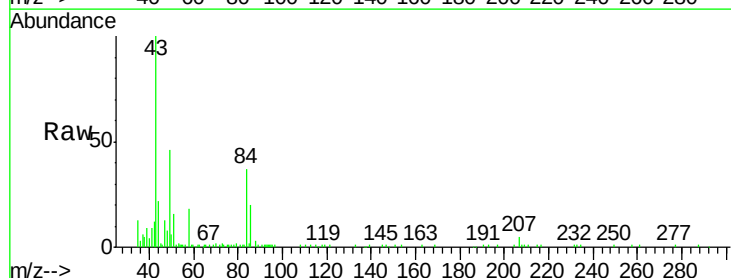
RT: 2.34 min Scan# 183

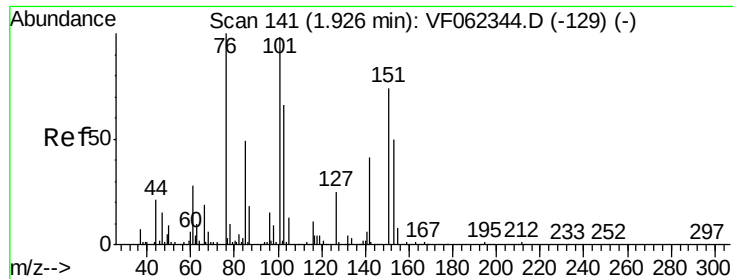
Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion:	43	Resp:	61016
Ion	Ratio	Lower	Upper
43	100		
58	18.1	13.1	19.7





#17

Carbon Disulfide

Concen: 21.838 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBSD01

Tot Ion: 76 Resp: 112580

Ion Ratio Lower Upper

76 100

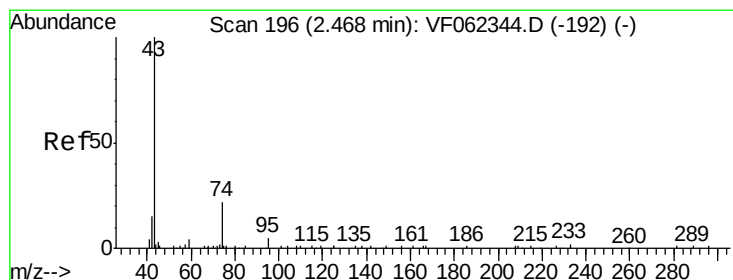
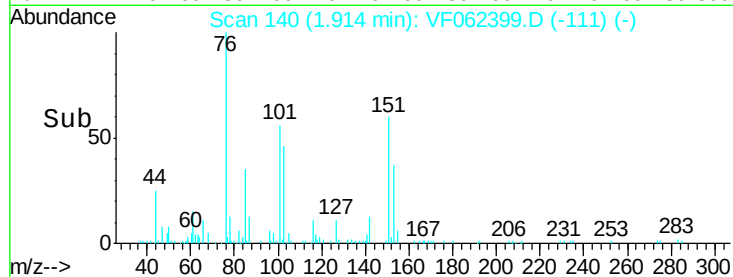
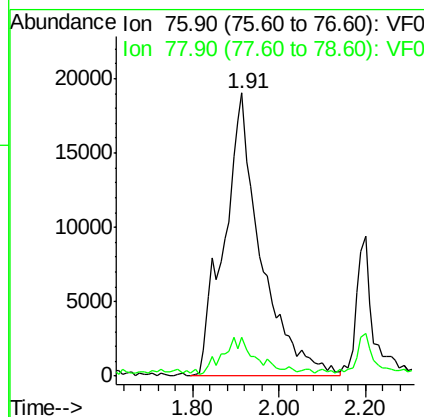
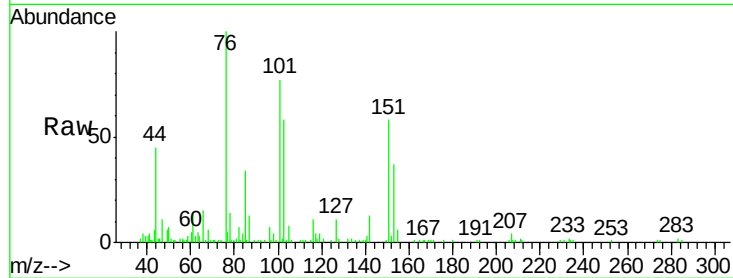
78 12.4 9.0 13.4

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#18

Methyl Acetate

Concen: 19.145 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF062399.D

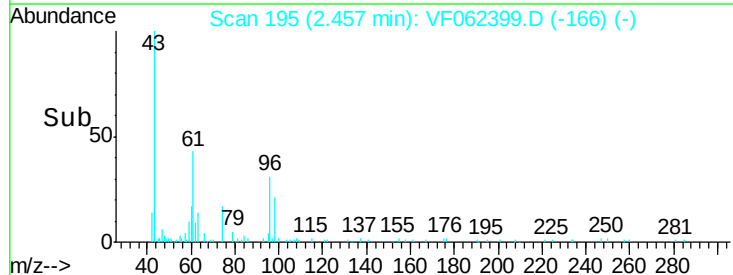
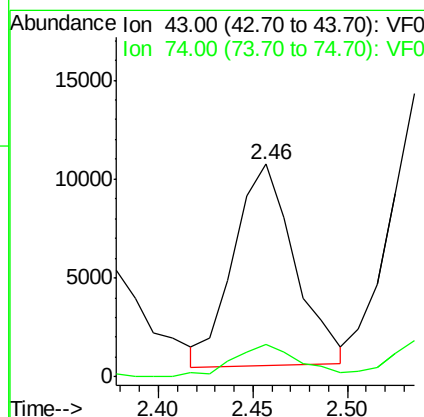
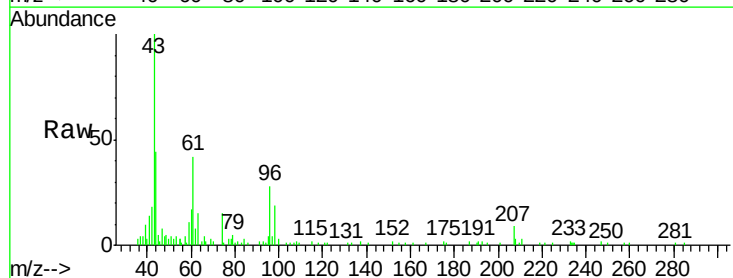
Acq: 9 May 2019 16:50

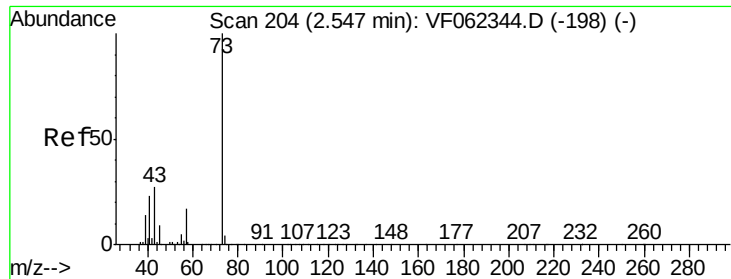
Tgt Ion: 43 Resp: 22662

Ion Ratio Lower Upper

43 100

74 17.8 15.0 22.4





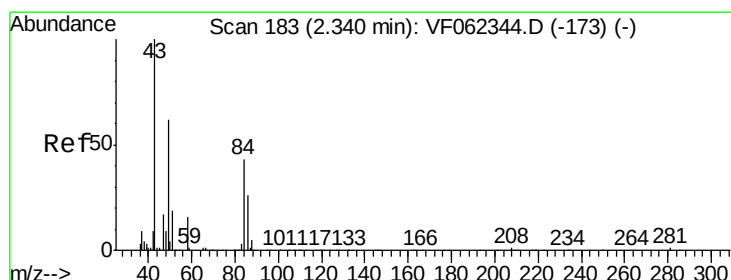
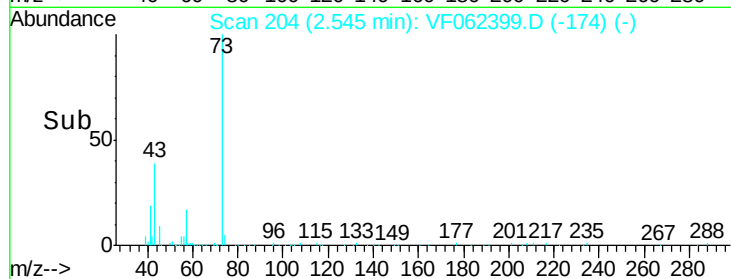
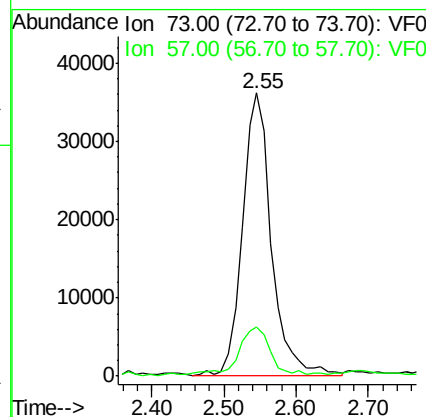
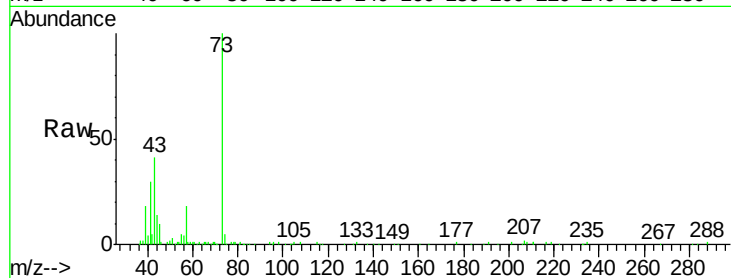
#19
Methyl tert-butyl Ether
Concen: 20.907 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	16.6	13.7	20.5

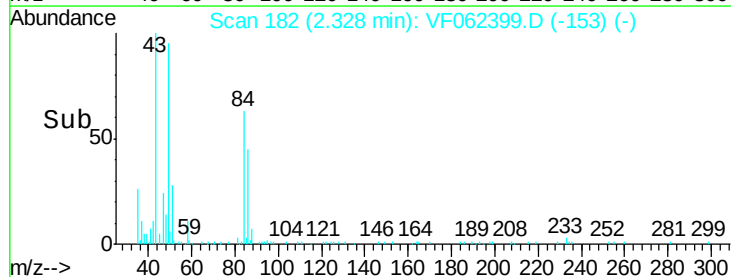
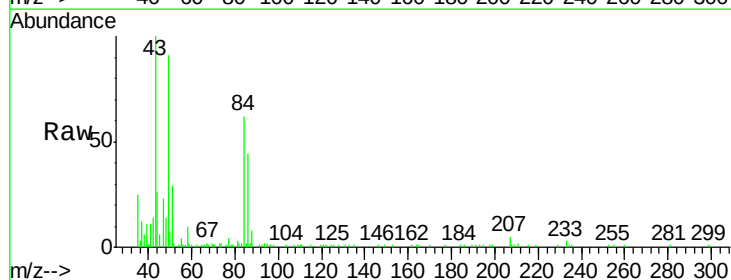
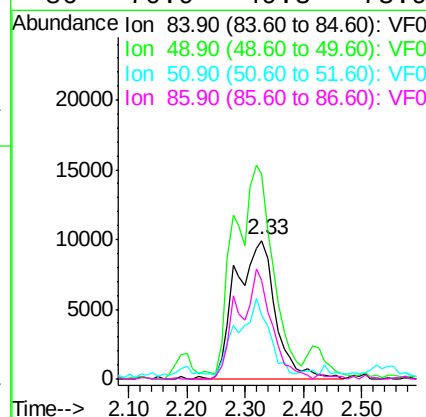
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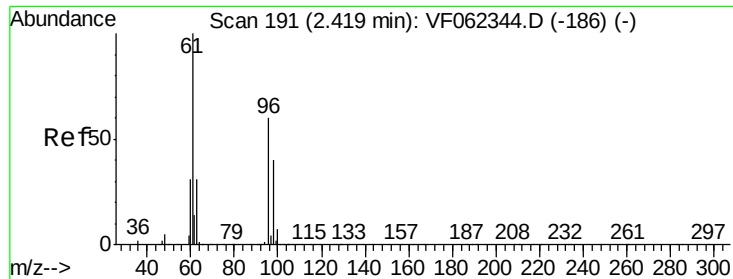
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#20
Methylene Chloride
Concen: 22.262 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	144.4	117.5	176.3
51	51	42.8	37.0	55.4
86	86	70.9	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 20.592 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

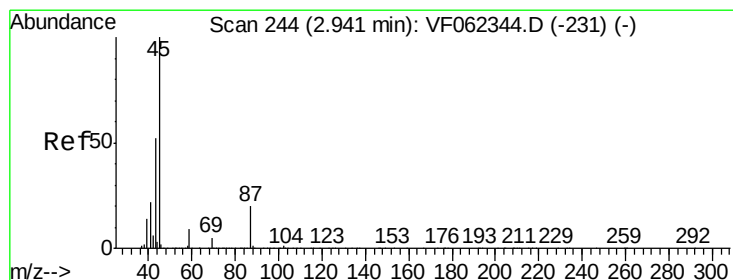
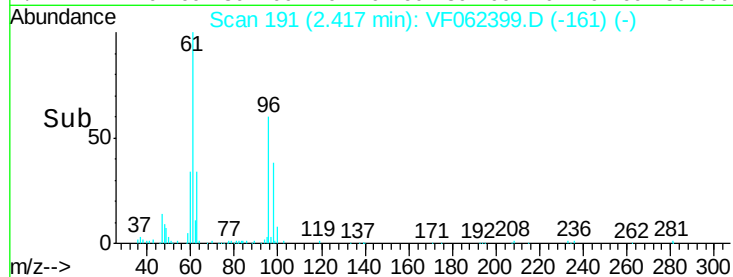
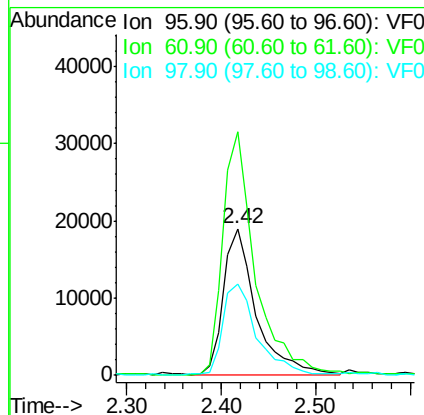
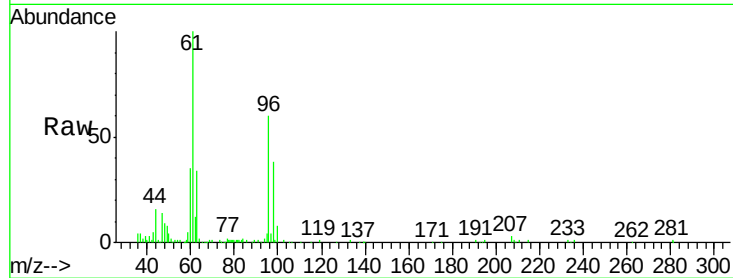
ClientSampleId :

VF0509SBSD01

Tot Ion:	96	Resp:	46386
Ion	Ratio	Lower	Upper
96	100		
61	166.0	133.2	199.8
98	61.9	53.1	79.7

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#22

Diisopropyl ether

Concen: 21.677 ug/l

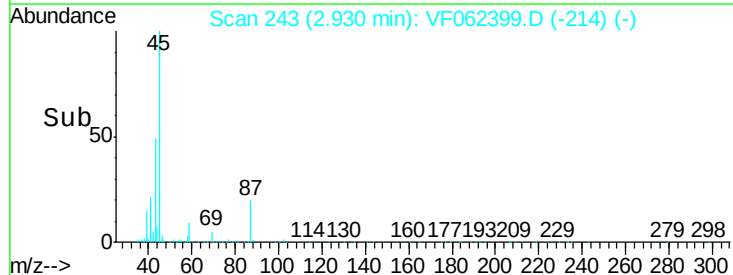
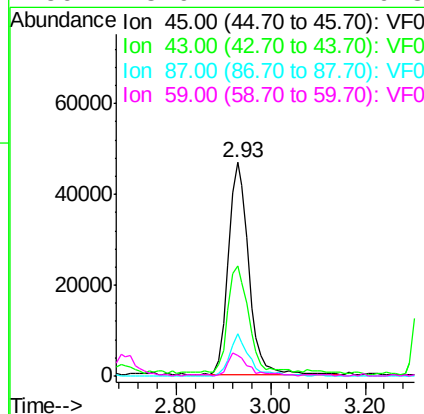
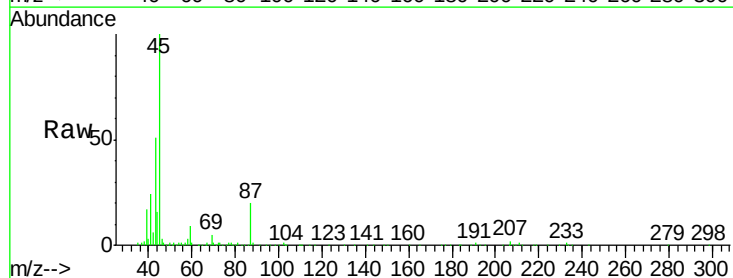
RT: 2.93 min Scan# 243

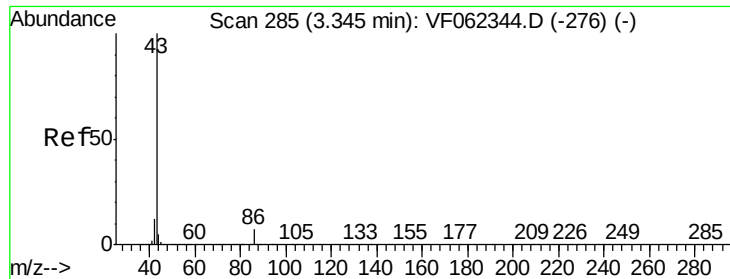
Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion:	45	Resp:	141496
Ion	Ratio	Lower	Upper
45	100		
43	49.5	41.4	62.0
87	19.8	15.8	23.6
59	8.9	7.2	10.8





#23

Vinyl Acetate

Concen: 96.461 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBSD01

Tot Ion: 43 Resp: 280634

Ion Ratio Lower Upper

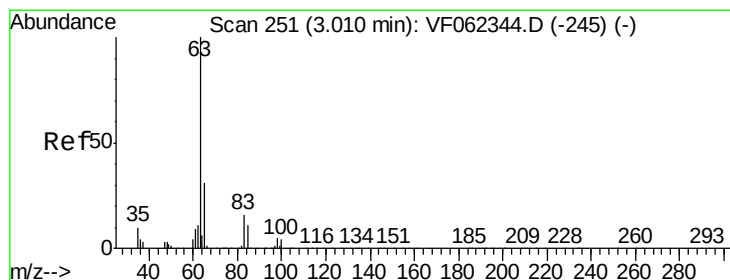
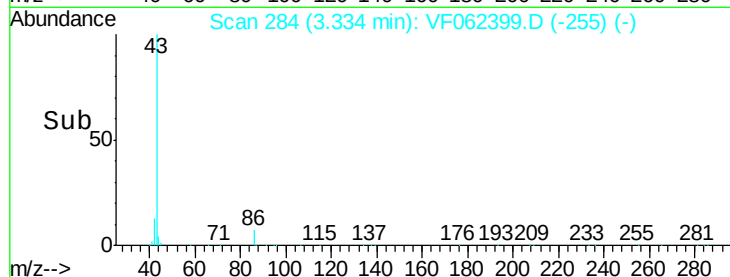
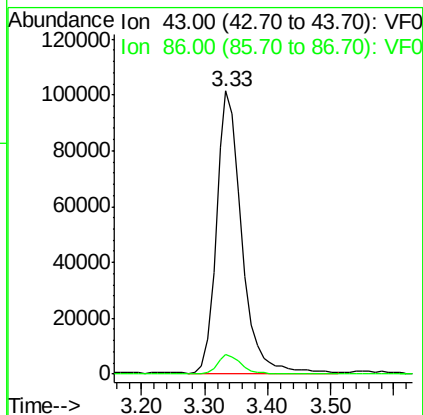
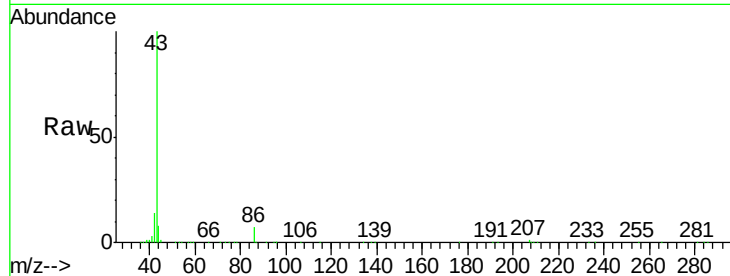
43 100

86 7.1 5.7 8.5

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#24

1,1-Dichloroethane

Concen: 23.701 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

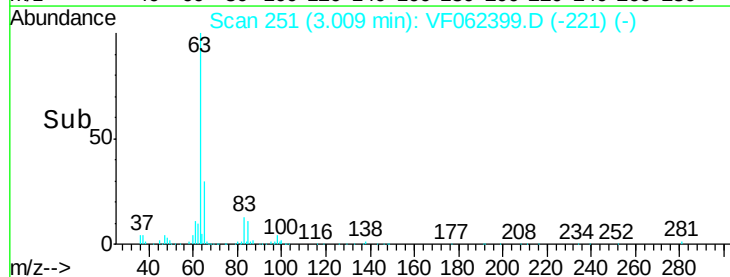
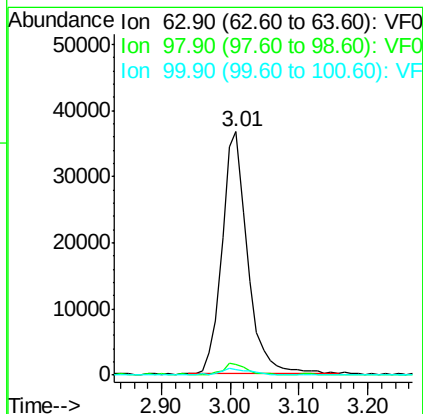
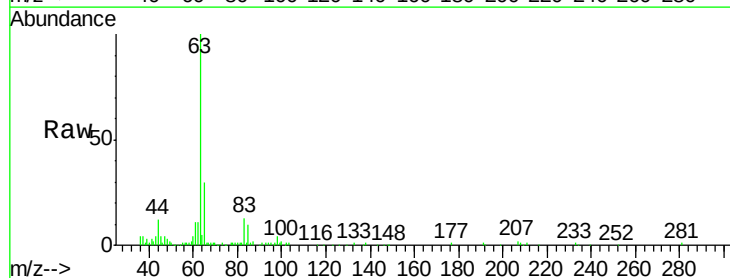
Tgt Ion: 63 Resp: 93503

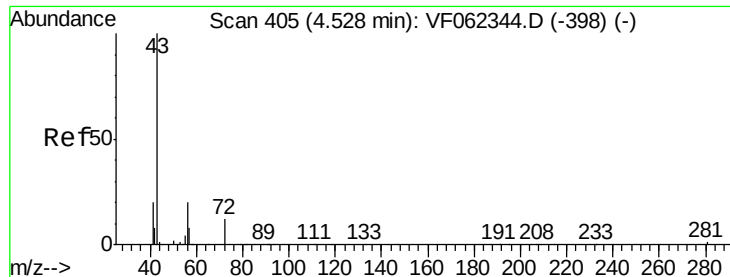
Ion Ratio Lower Upper

63 100

98 4.4 2.6 8.0

100 2.1 1.8 5.4





#25

2-Butanone

Concen: 104.560 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBS01

Tot Ion: 43 Resp: 77444

Ion Ratio Lower Upper

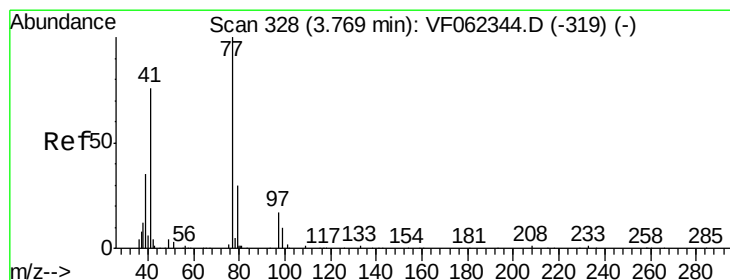
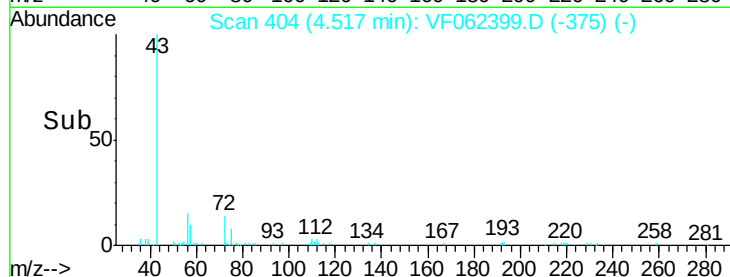
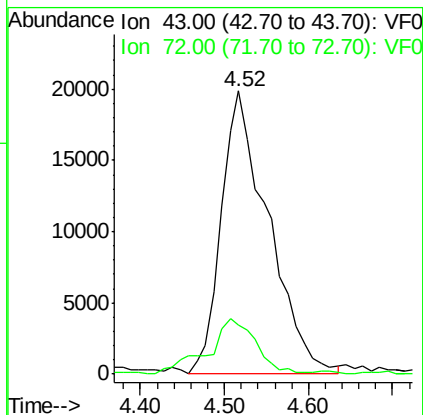
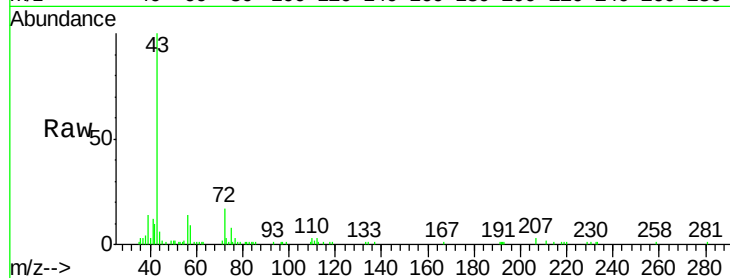
43 100

72 16.7 14.2 21.4

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#26

2,2-Dichloropropane

Concen: 24.623 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF062399.D

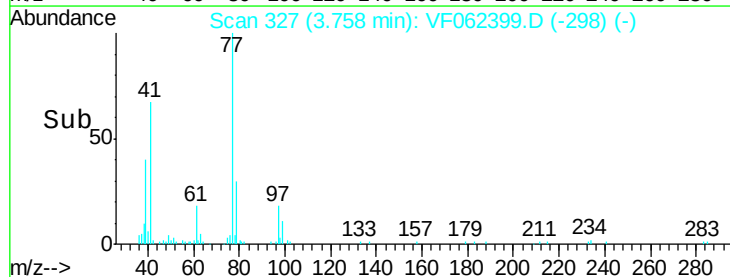
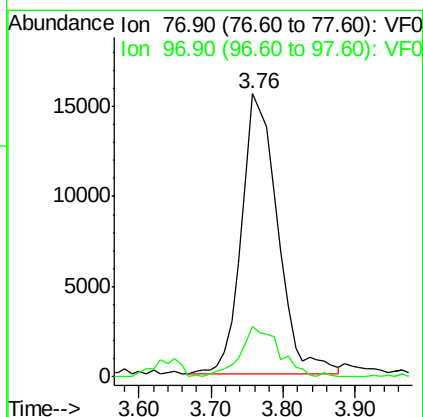
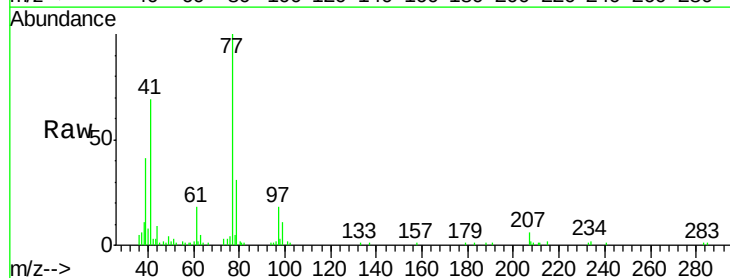
Acq: 9 May 2019 16:50

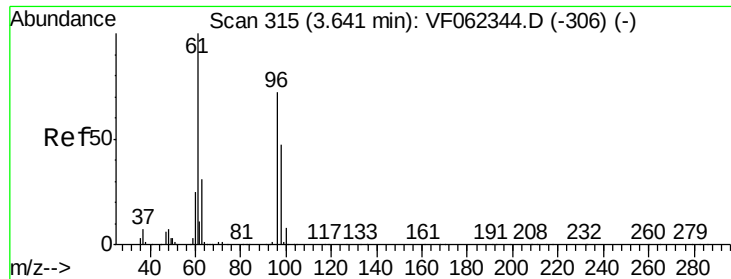
Tgt Ion: 77 Resp: 54248

Ion Ratio Lower Upper

77 100

97 19.0 9.5 28.5





#27

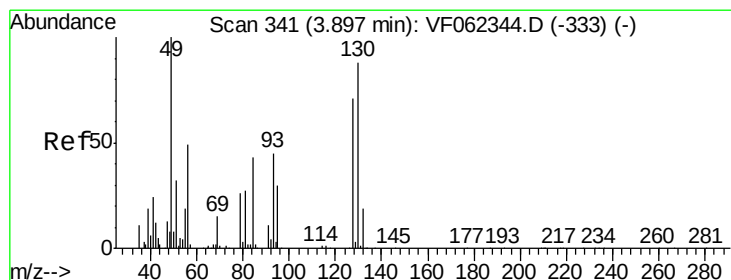
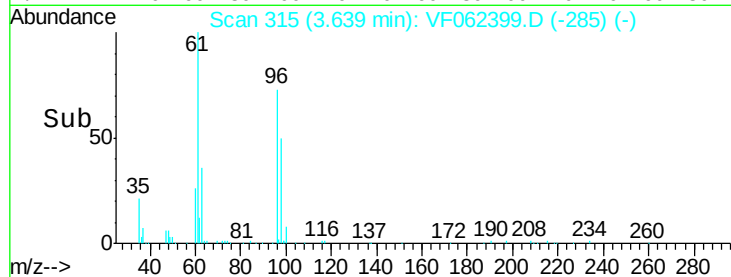
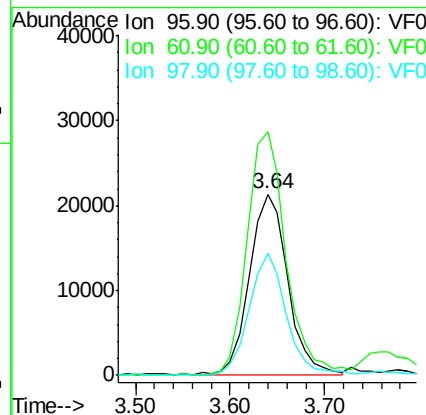
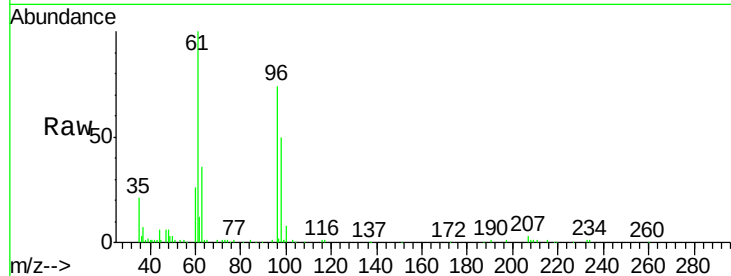
cis-1,2-Dichloroethene
Concen: 21.469 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		60454		
61	136.1	0.0	263.0		
98	64.7	0.0	130.8		

Manual Integrations
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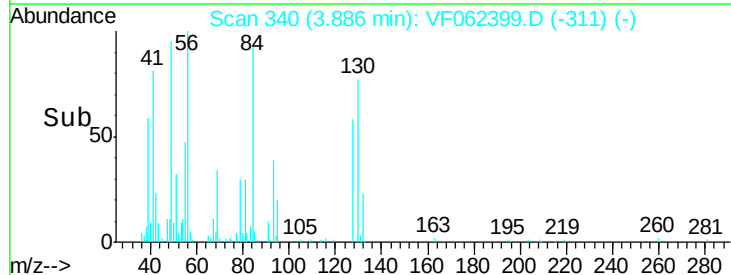
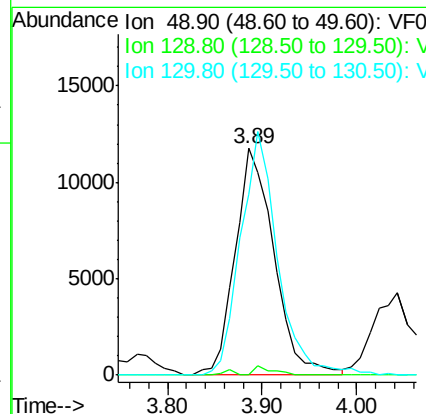
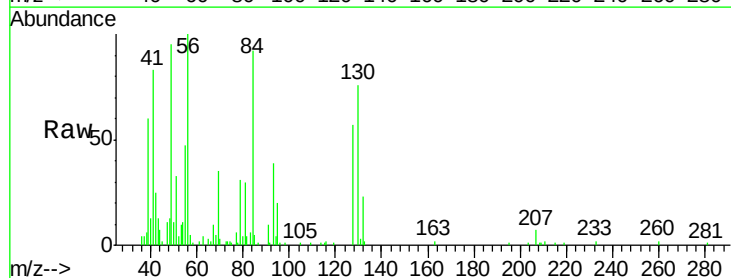
MMDadoda
5/10/2019 11:03:42 AM

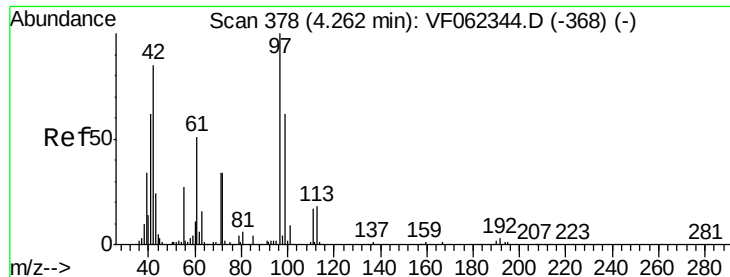


#28

Bromochloromethane
Concen: 18.794 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		33627		
129	1.8	0.0	2.2		
130	102.2	79.4	119.0		





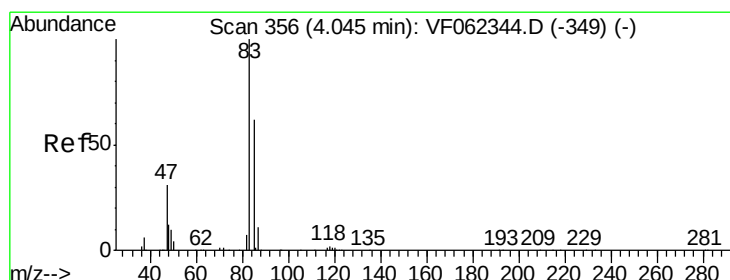
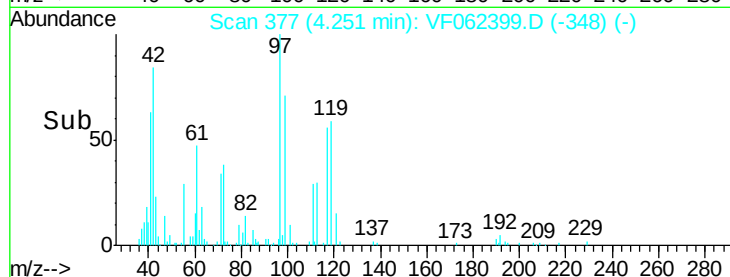
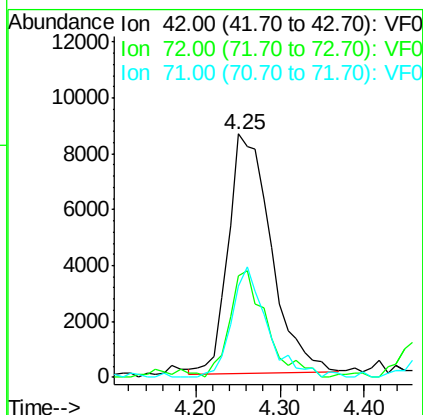
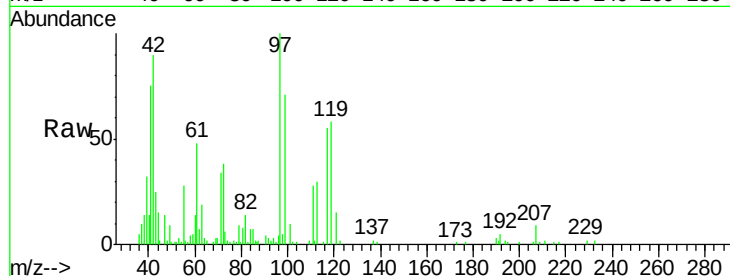
#29
Tetrahydrofuran
Concen: 89.842 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	31.4	47.0
71	38.1	31.7	47.5

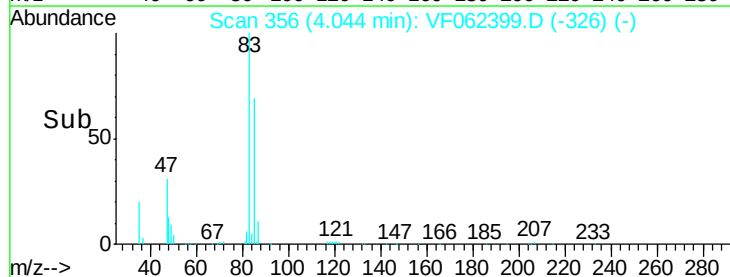
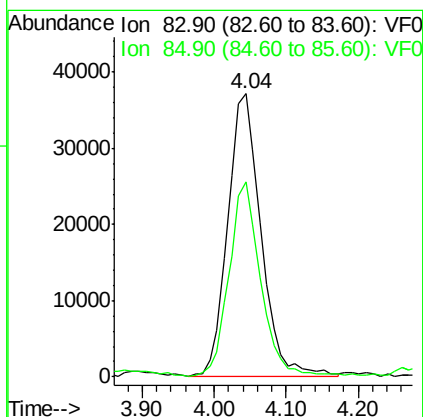
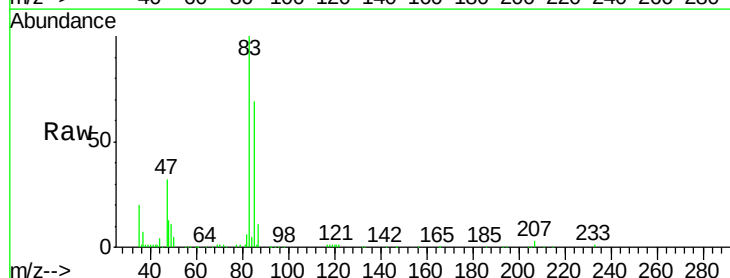
Manual Integrations
APPROVED

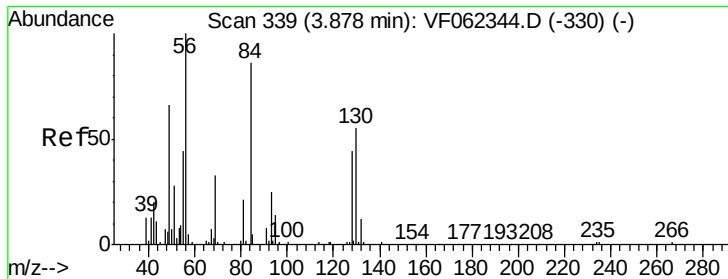
MMDadoda
5/10/2019 11:03:42 AM



#30
Chloroform
Concen: 22.541 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.8	49.6	74.4





#31

Cyclohexane

Concen: 22.157 ug/l

RT: 3.87 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

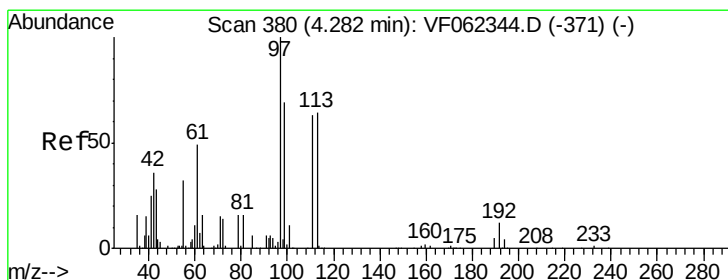
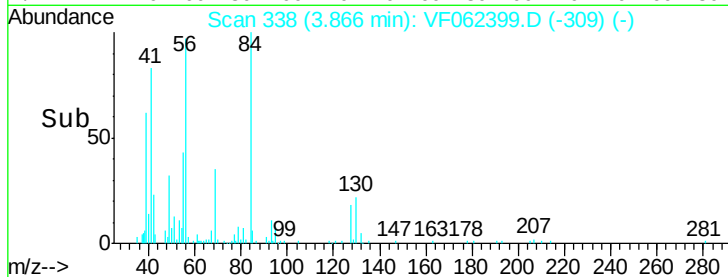
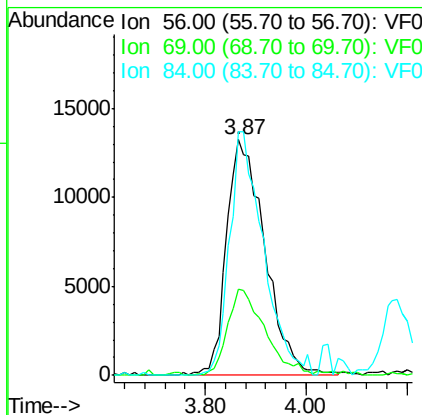
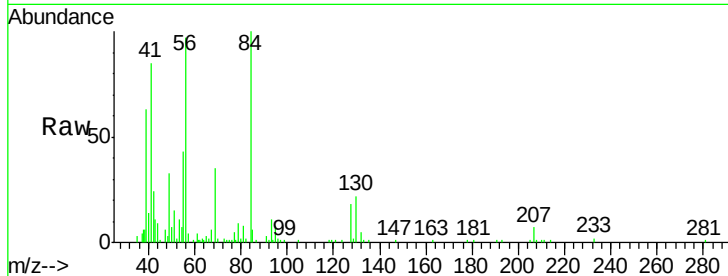
ClientSampleId :

VF0509SBS01

Tot Ion:	56	Resp:	69770
Ion Ratio	Lower	Upper	
56	100		
69	36.5	26.4	39.6
84	103.2	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 23.481 ug/l

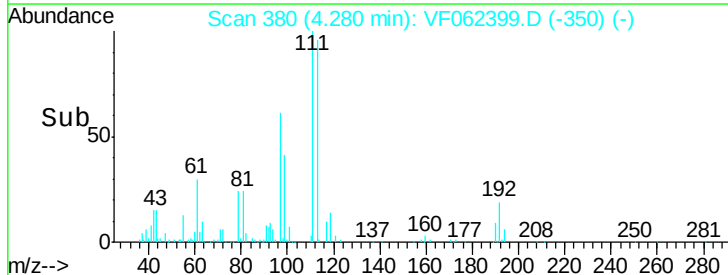
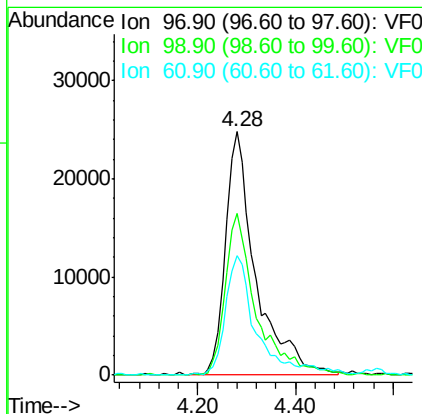
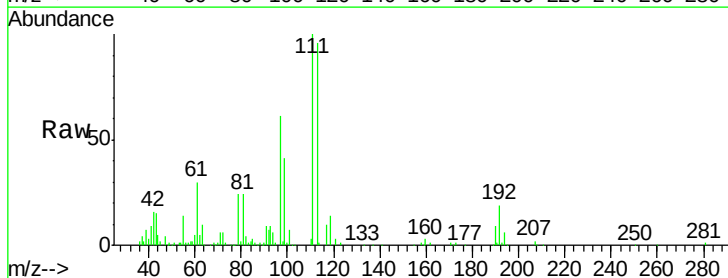
RT: 4.28 min Scan# 380

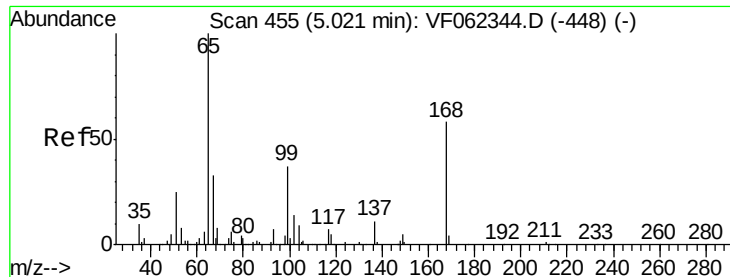
Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion:	97	Resp:	107260
Ion Ratio	Lower	Upper	
97	100		
99	67.6	52.6	78.8
61	46.9	39.4	59.0





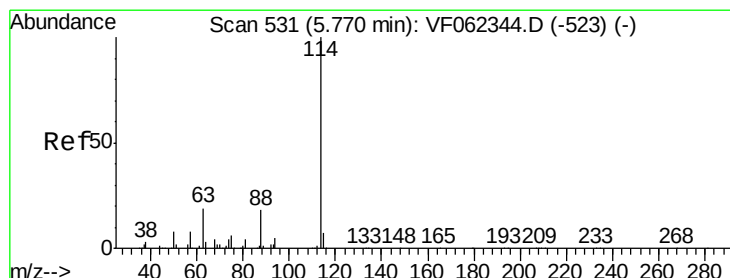
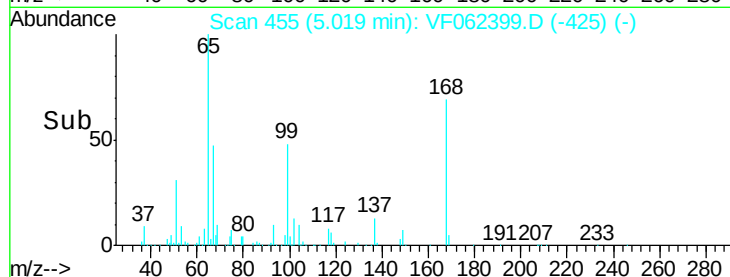
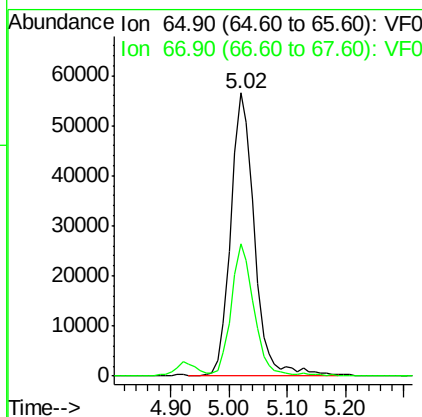
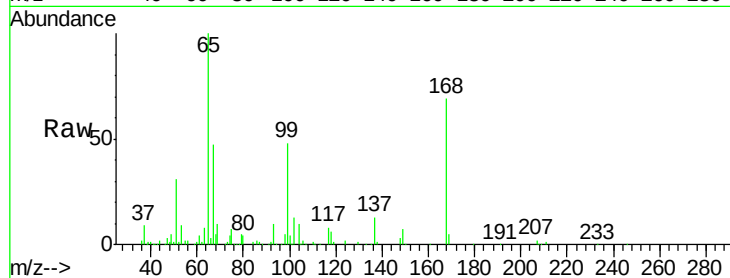
#33
 1,2-Dichloroethane-d4
 Concen: 55.058 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160457		
67	44.2	0.0	85.8	

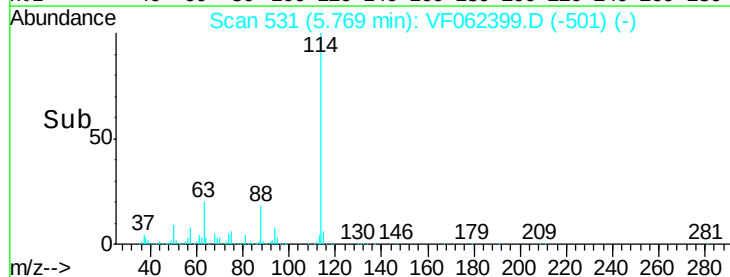
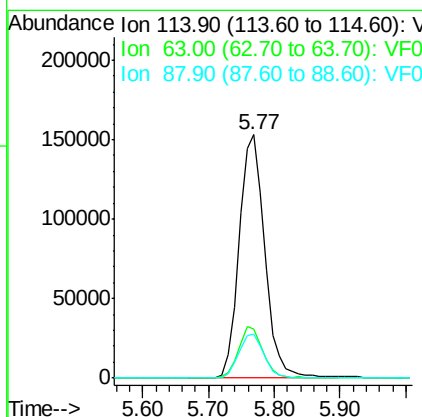
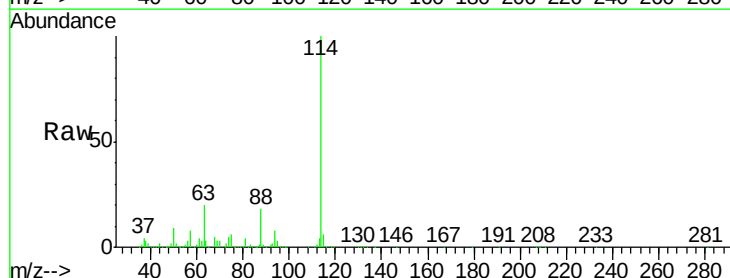
Manual Integrations
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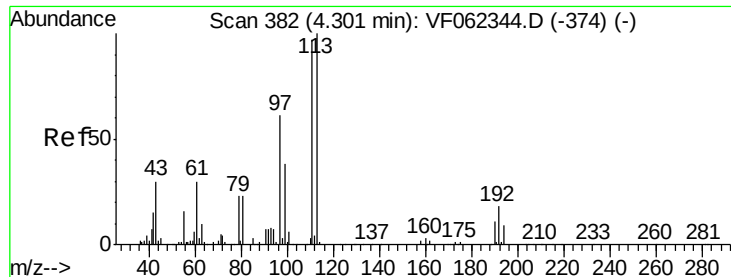
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	421399		
63	19.9	0.0	37.4	
88	18.2	0.0	36.4	





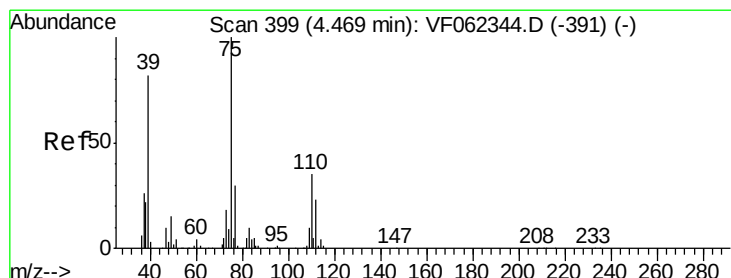
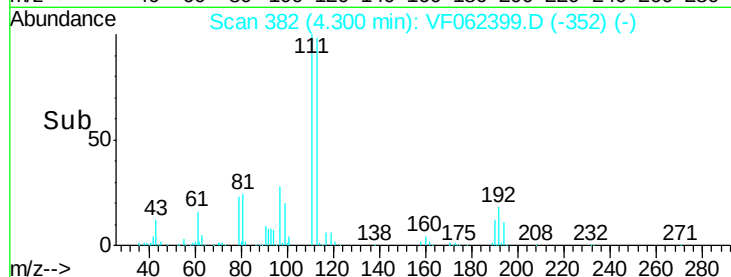
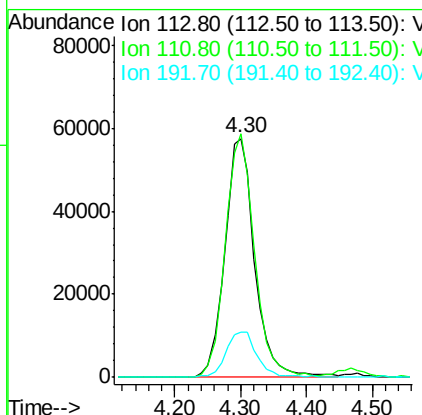
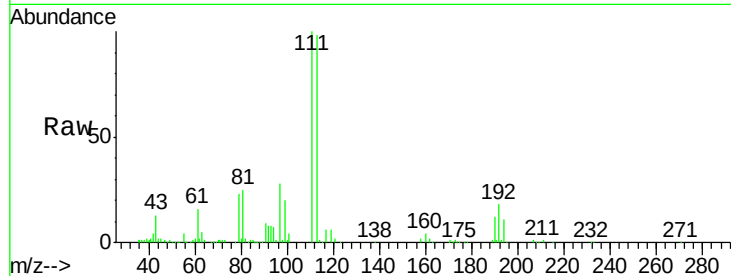
#35
Dibromofluoromethane
Concen: 54.327 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	99.9	79.4	119.0	
192	19.8	16.0	24.0	

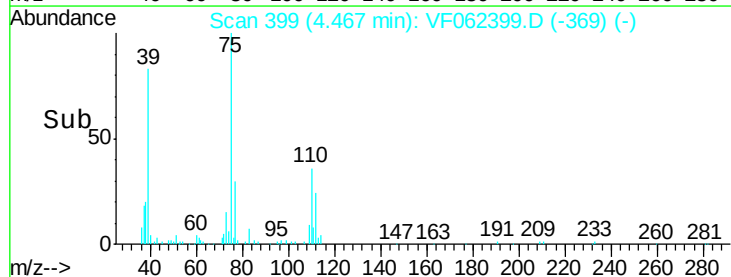
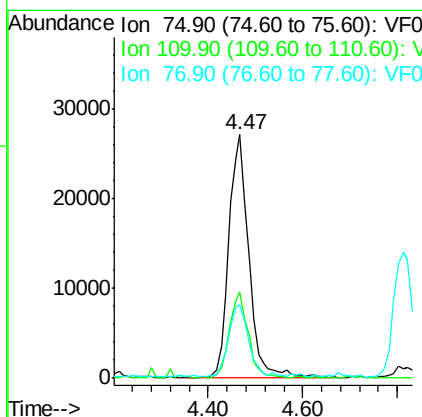
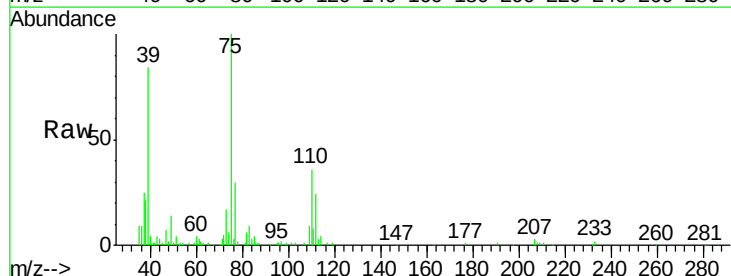
Manual Integrations
APPROVED

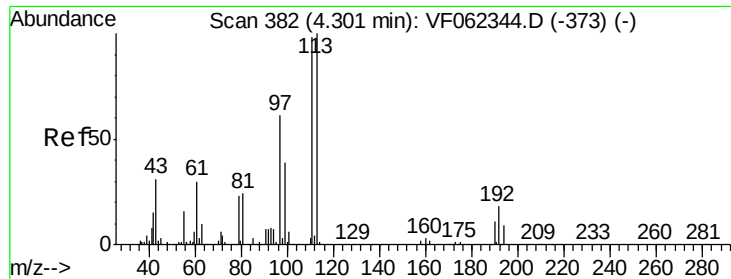
MMDadoda
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#36
1,1-Dichloropropene
Concen: 22.038 ug/l
RT: 4.47 min Scan# 399
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.1	17.2	51.5	
77	29.0	25.2	37.8	





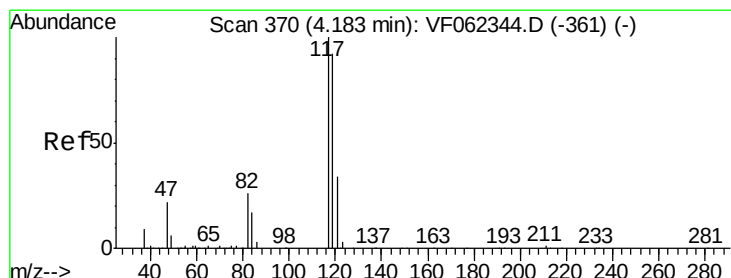
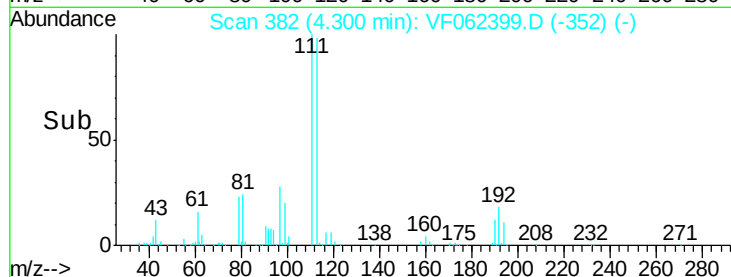
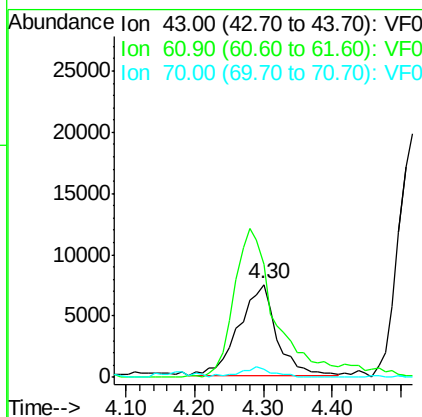
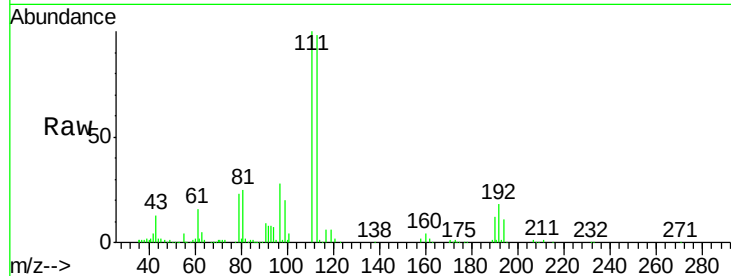
#37
Ethyl Acetate
Concen: 16.369 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	179.3	0.0	0.0	
70	10.1	8.2	12.2	

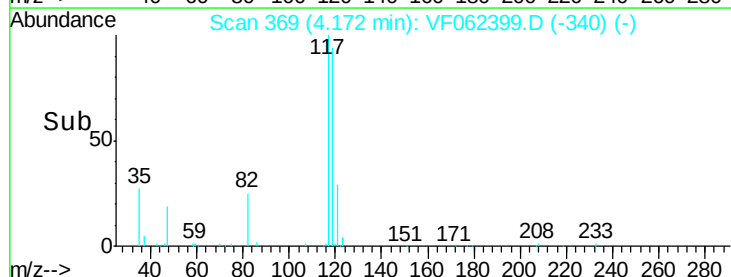
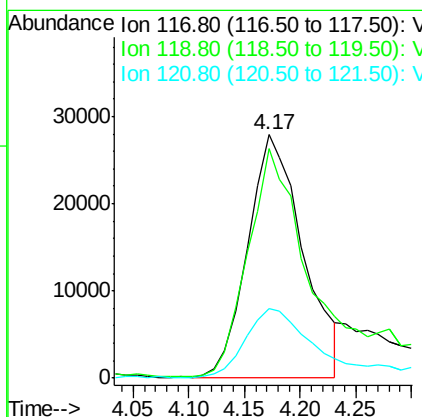
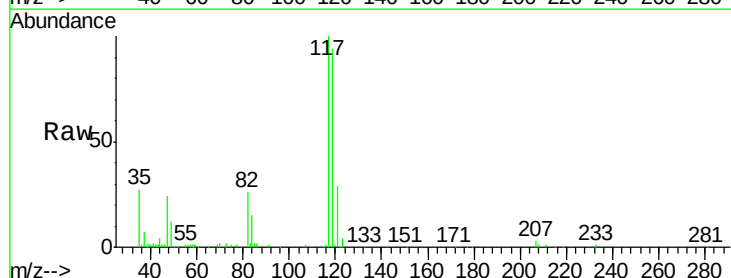
Manual Integrations
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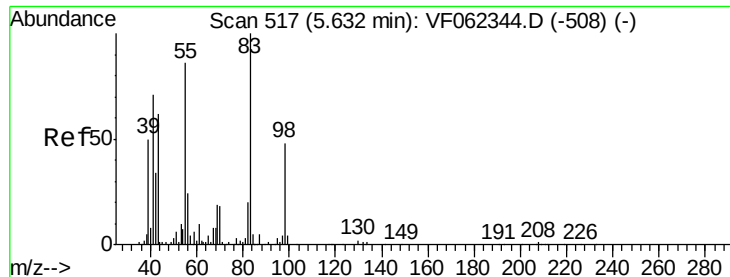
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#38
Carbon Tetrachloride
Concen: 24.382 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	94.0	73.4	110.2	
121	28.6	27.4	41.0	





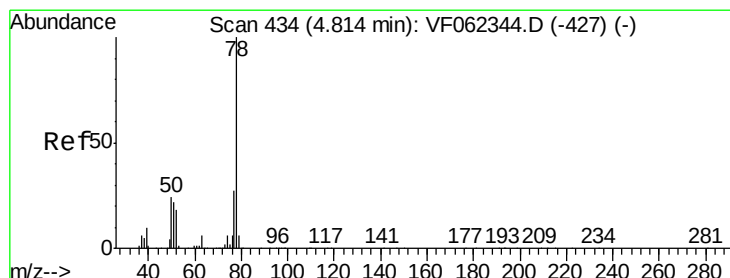
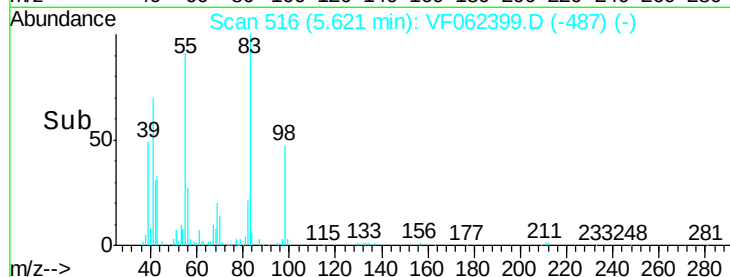
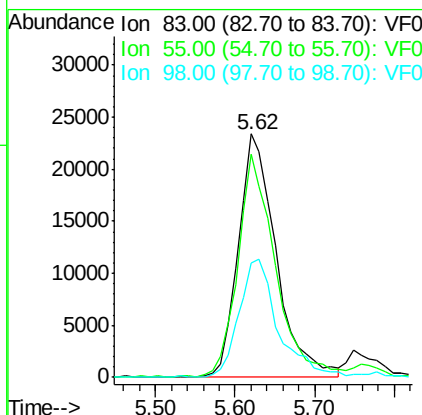
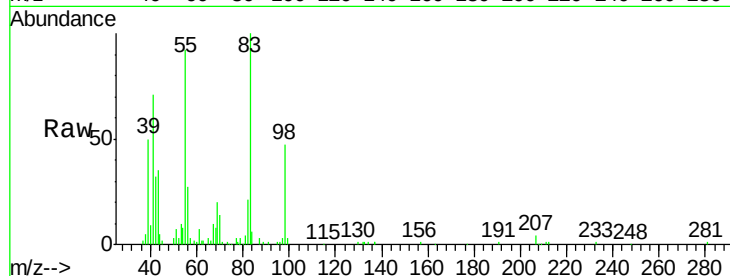
#39
Methylvlcyclohexane
Concen: 21.167 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.0	69.0	103.6
98	47.0	38.6	58.0

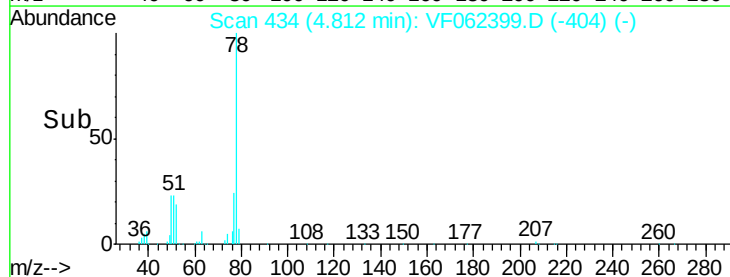
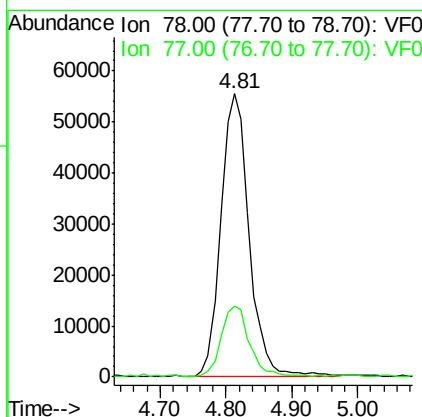
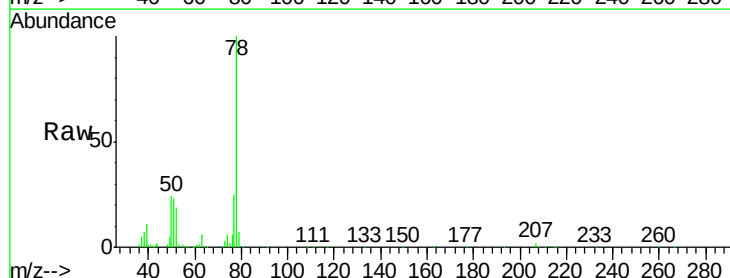
Manual Integrations
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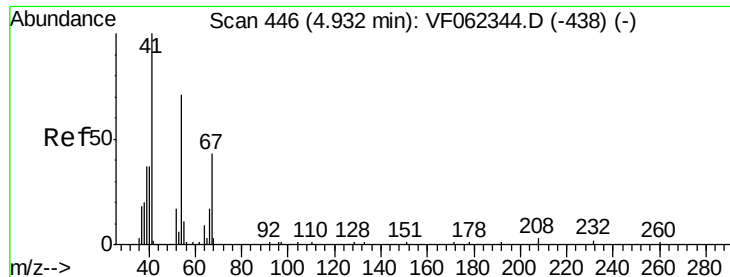
MMDadoda
5/10/2019 11:03:42 AM



#40
Benzene
Concen: 20.609 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	21.6	32.4





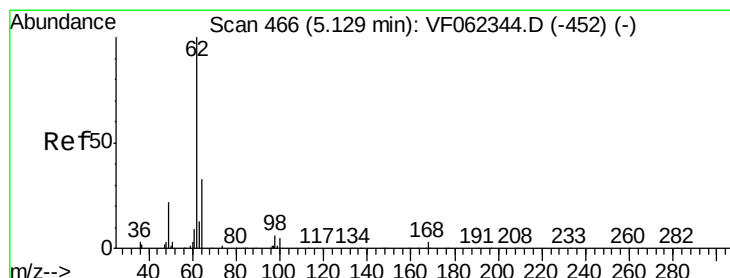
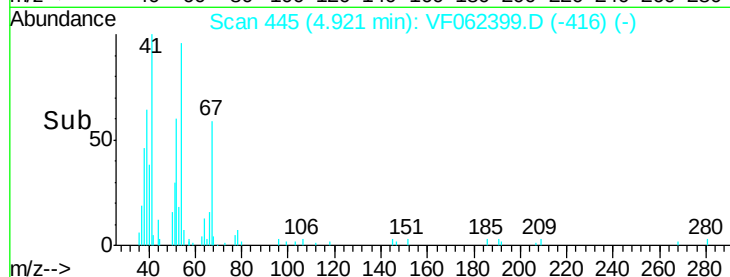
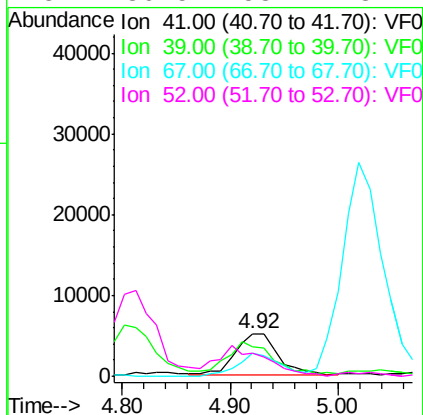
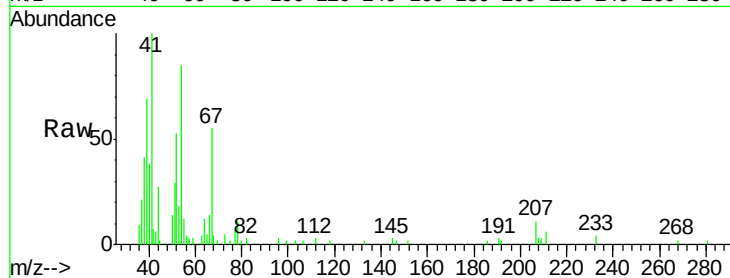
#41
Methacrylonitrile
Concen: 16.483 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	82.6	54.3	81.5#
67	54.7	37.8	56.8
52	80.5	58.2	87.4

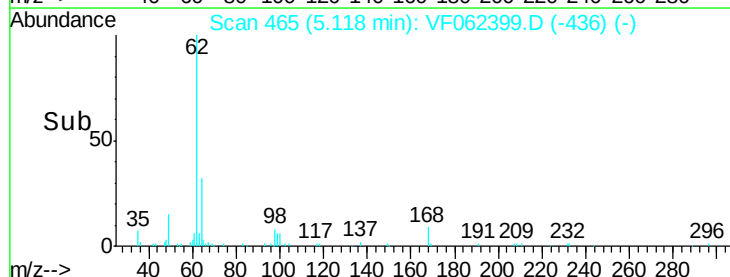
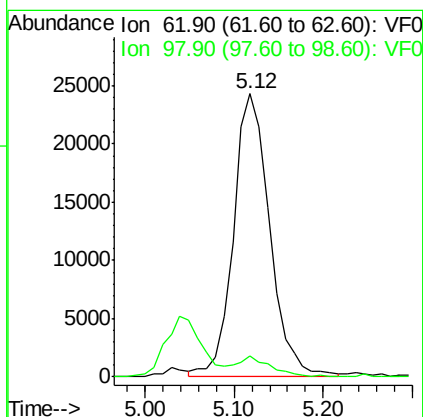
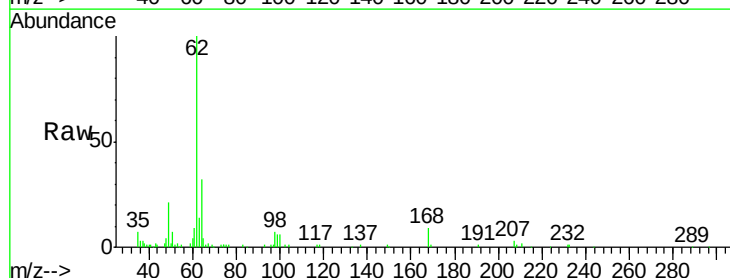
Manual Integrations
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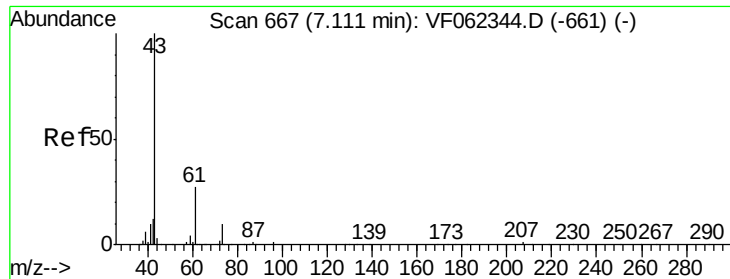
MMDadoda
5/10/2019 11:03:42 AM



#42
1,2-Dichloroethane
Concen: 20.695 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	12.4





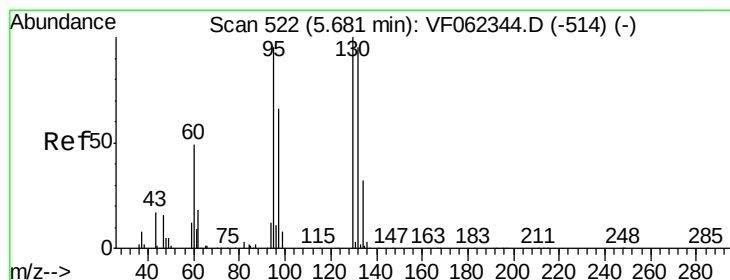
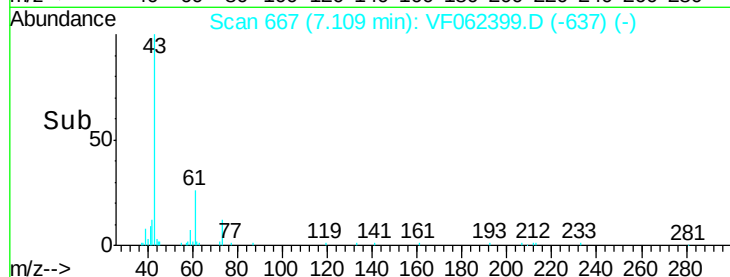
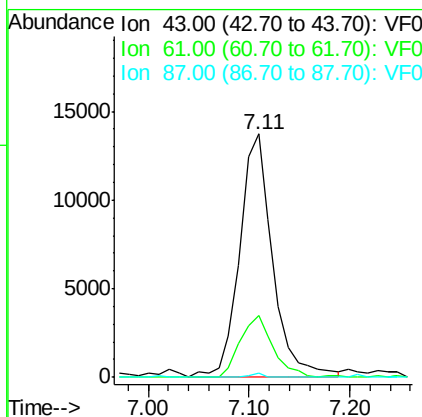
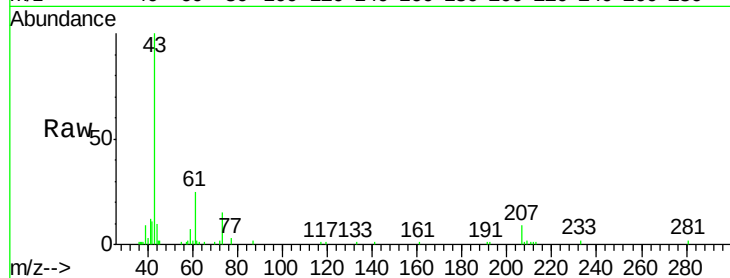
#43
Isopropyl Acetate
Concen: 19.069 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	22.8	34.2
87	0.7	0.6	1.0

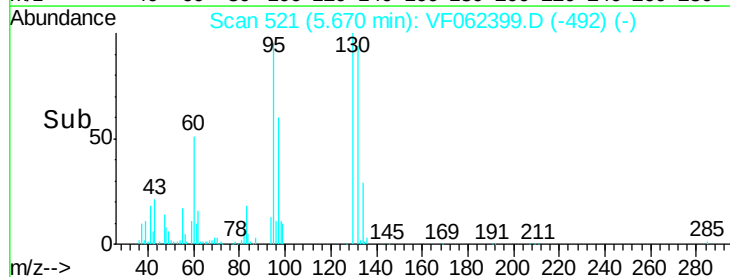
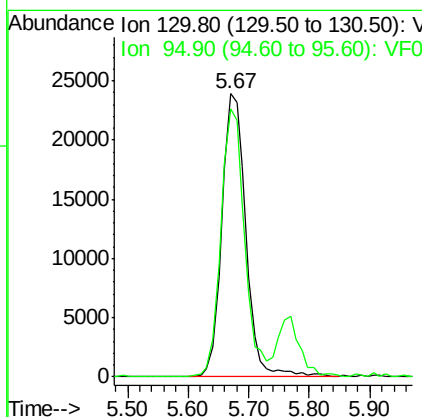
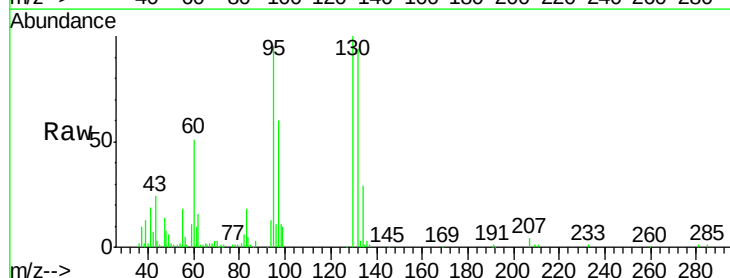
Manual Integrations
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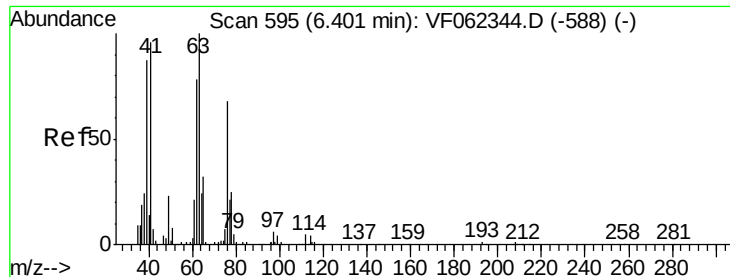
MMDadoda
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#44
Trichloroethene
Concen: 22.467 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	189.0





#45

1,2-Dichloropropane

Concen: 21.363 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBSD01

Tot Ion: 63 Resp: 38572

Ion Ratio Lower Upper

63 100

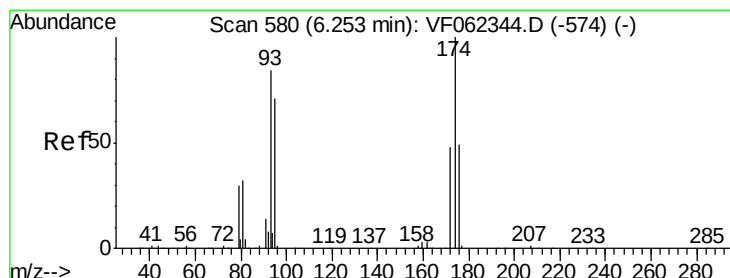
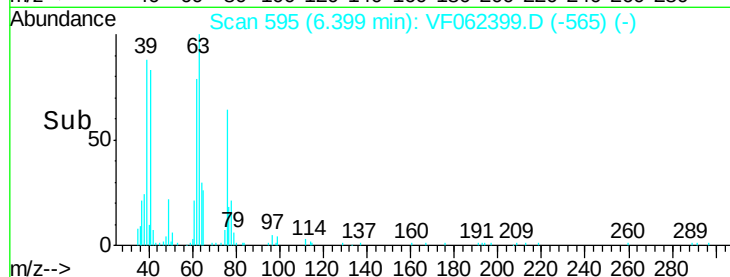
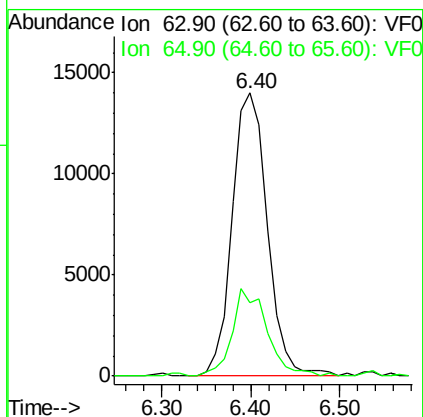
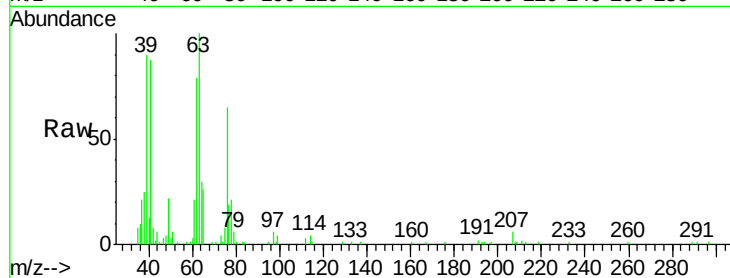
65 25.9 25.6 38.4

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#46

Dibromomethane

Concen: 21.950 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

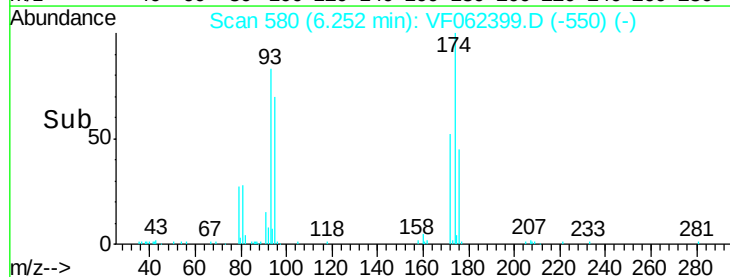
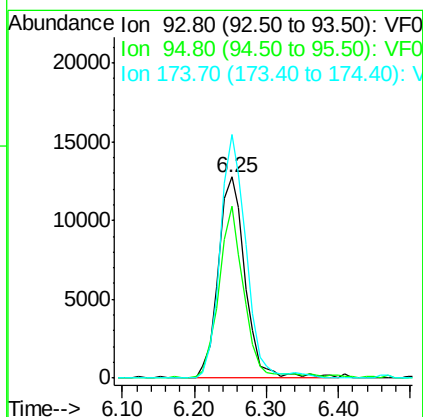
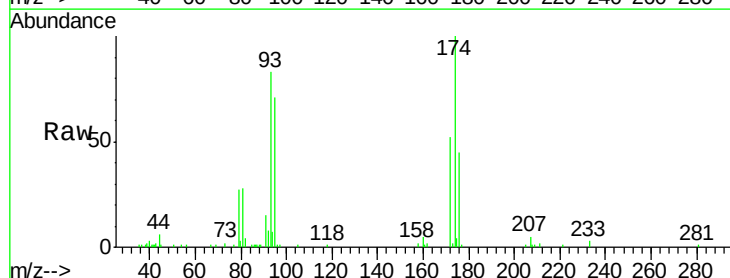
Tgt Ion: 93 Resp: 32860

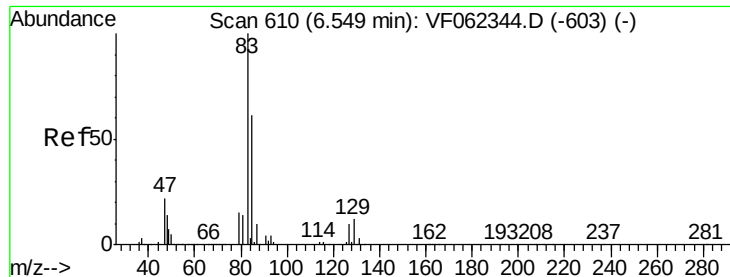
Ion Ratio Lower Upper

93 100

95 80.1 68.4 102.6

174 114.8 99.6 149.4





#47

Bromodichloromethane

Concen: 20.736 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

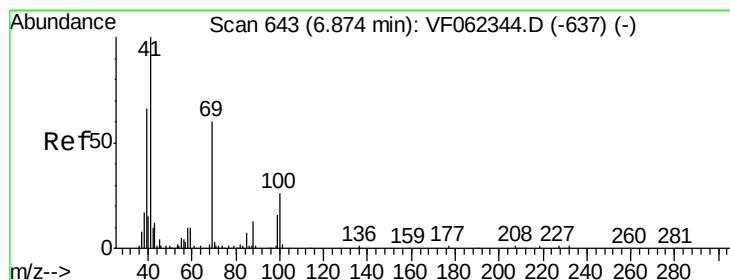
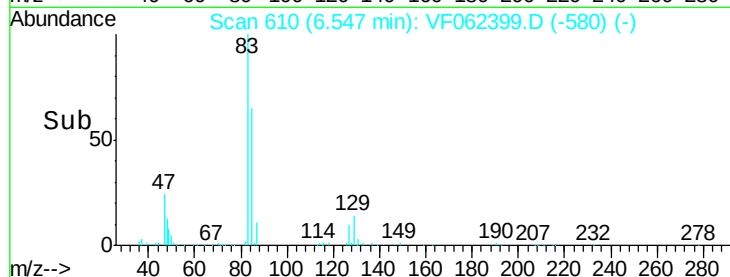
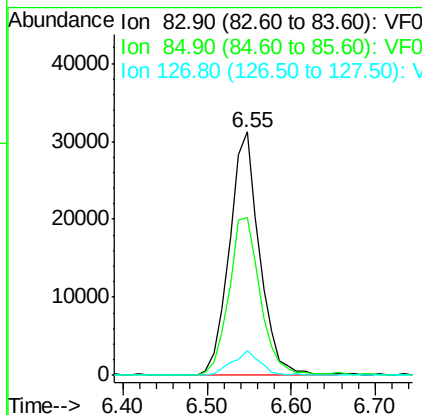
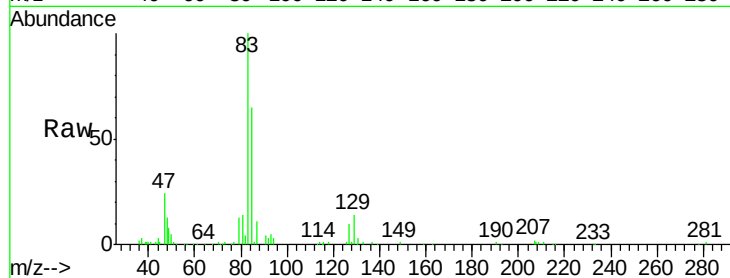
ClientSampleId :

VF0509SBS01

Tot Ion:	83	Resp:	77612
Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.1	73.7
127	10.0	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.879 ug/l

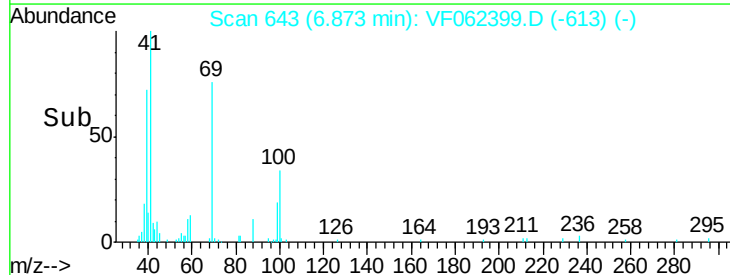
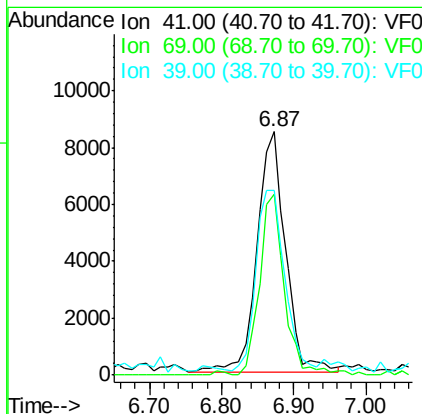
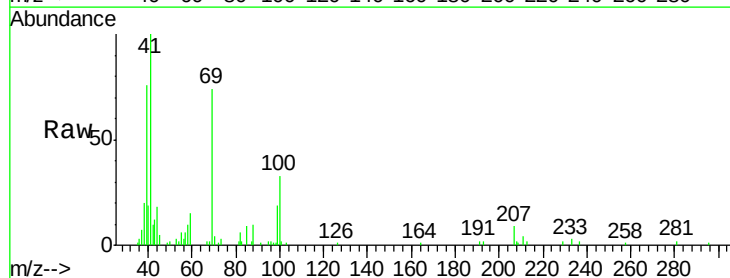
RT: 6.87 min Scan# 643

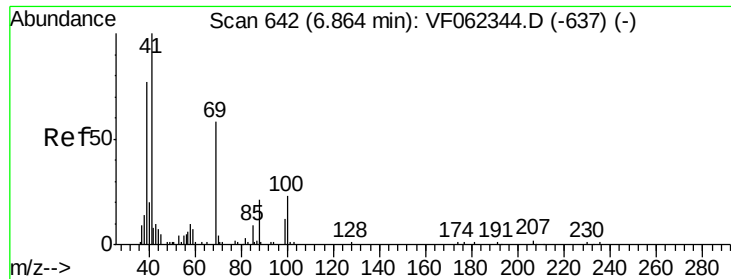
Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion:	41	Resp:	23131
Ion	Ratio	Lower	Upper
41	100		
69	66.5	48.6	72.8
39	76.2	56.1	84.1





#49

1,4-Dioxane

Concen: 361.497 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

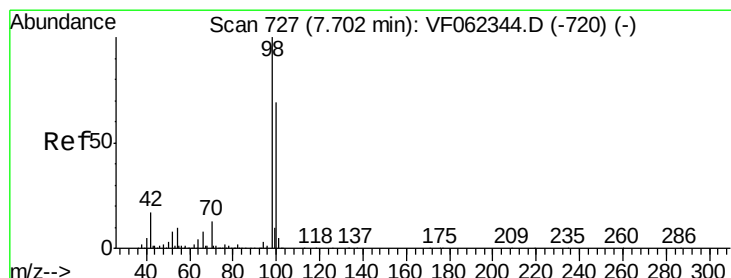
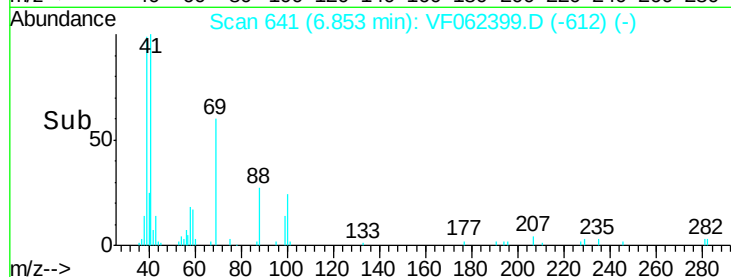
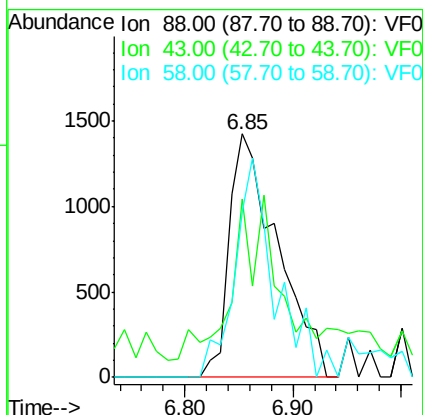
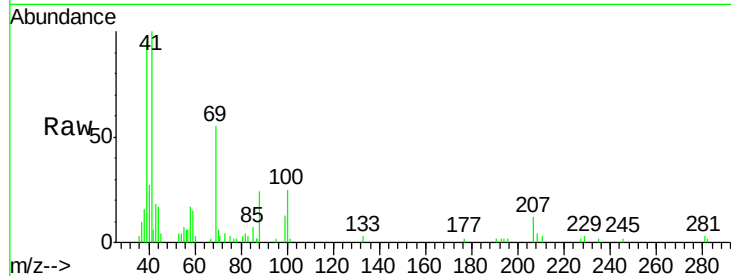
ClientSampleId :

VF0509SBS01

Tot Ion:	88	Resp:	4426
Ion	Ratio	Lower	Upper
88	100		
43	67.0	55.6	83.4
58	75.3	52.8	79.2

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#50

Toluene-d8

Concen: 51.390 ug/l

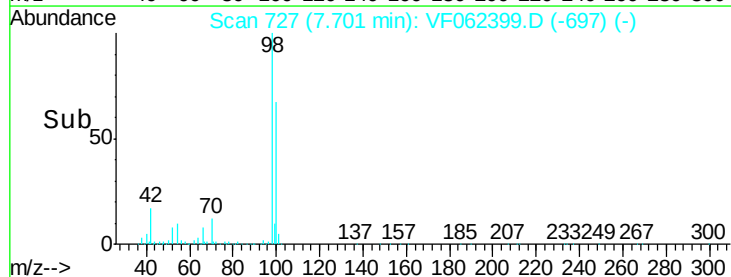
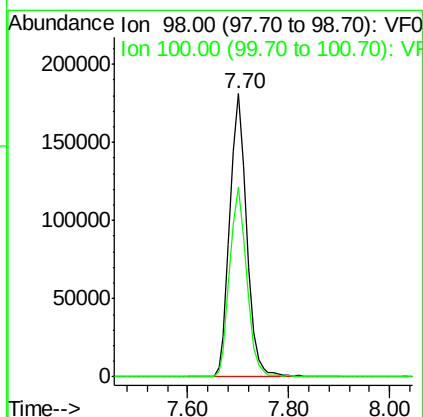
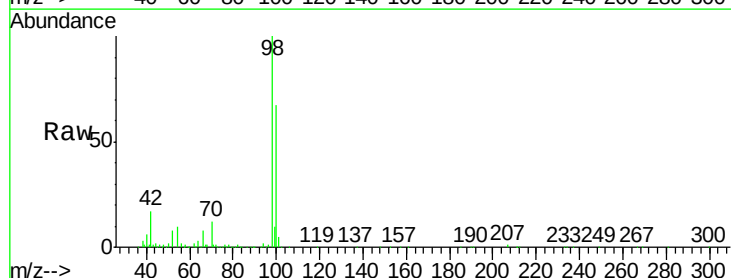
RT: 7.70 min Scan# 727

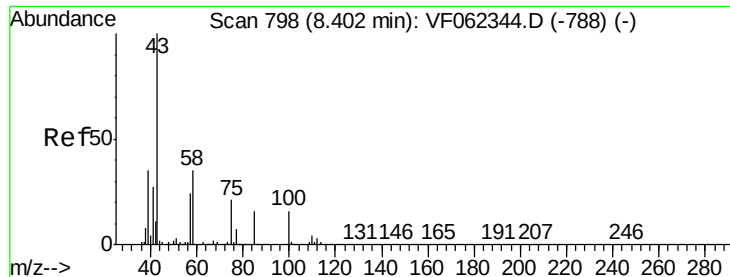
Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion:	98	Resp:	417626
Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 95.854 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBS01

Tot Ion: 43 Resp: 119593

Ion Ratio Lower Upper

43 100

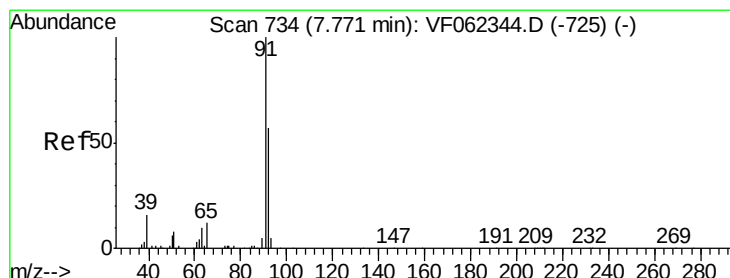
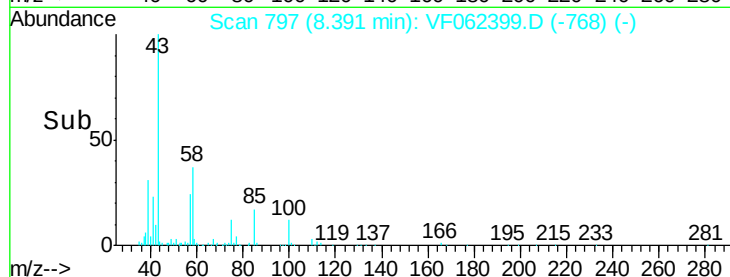
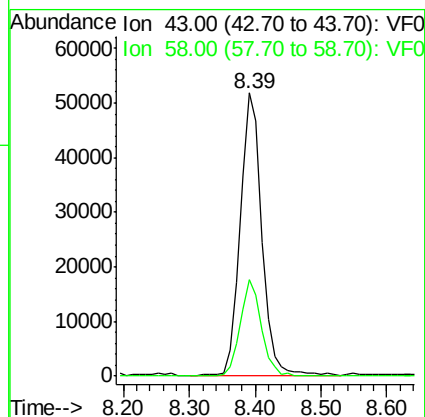
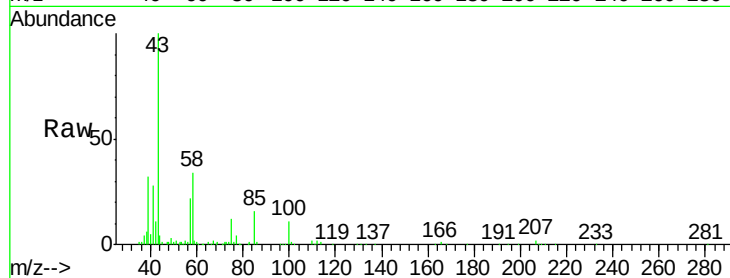
58 33.5 27.8 41.6

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#52

Toluene

Concen: 21.689 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF062399.D

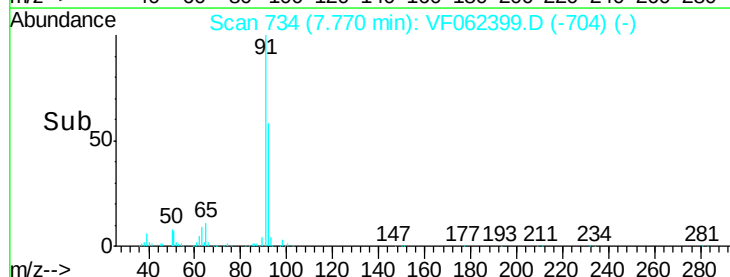
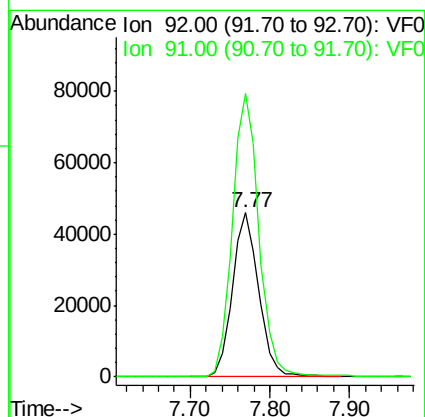
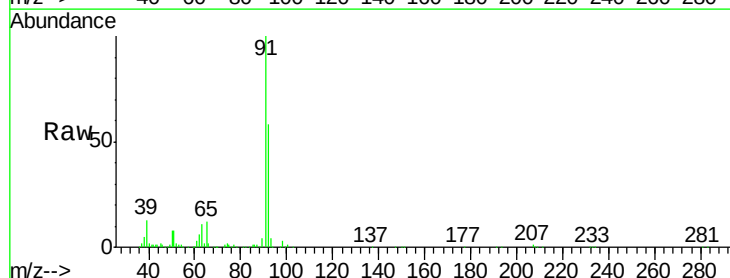
Acq: 9 May 2019 16:50

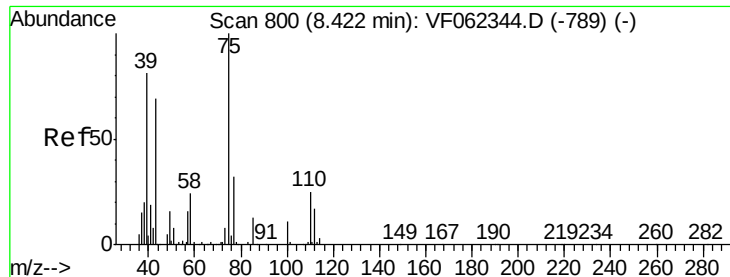
Tgt Ion: 92 Resp: 106661

Ion Ratio Lower Upper

92 100

91 173.3 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 20.126 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBS01

Tot Ion: 75 Resp: 56973

Ion Ratio Lower Upper

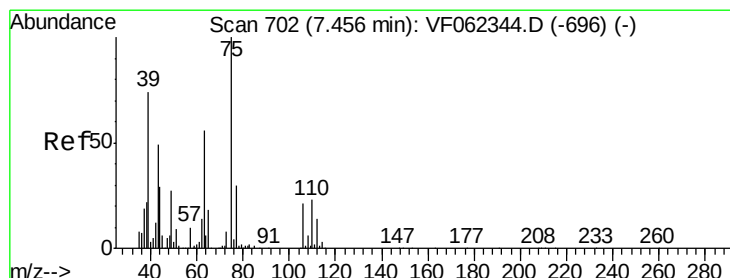
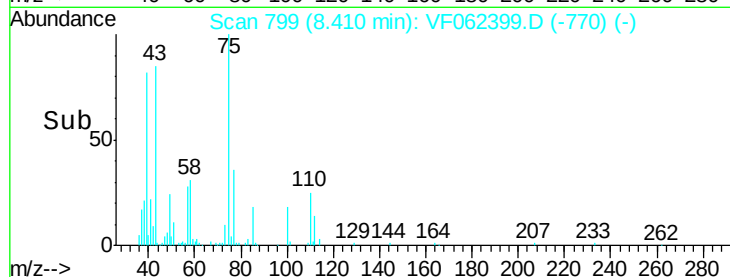
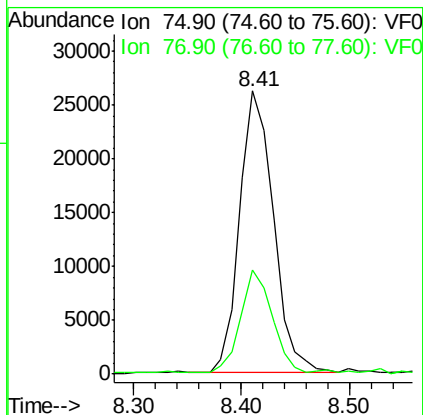
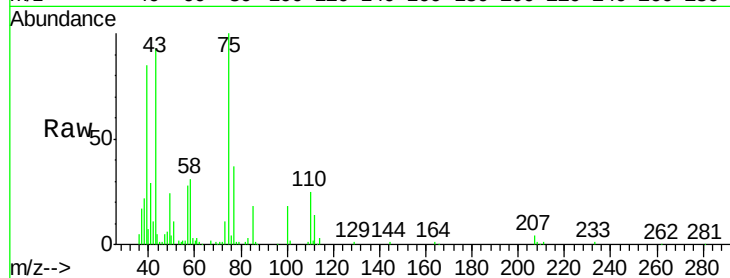
75 100

77 36.3 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 21.758 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

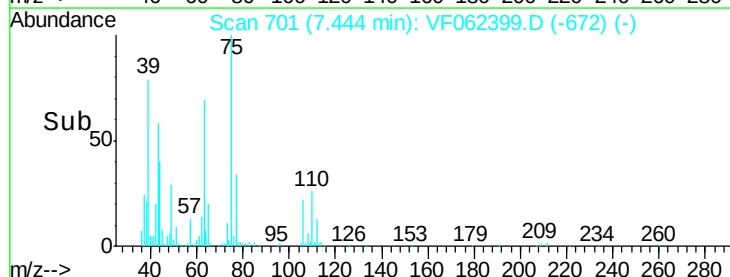
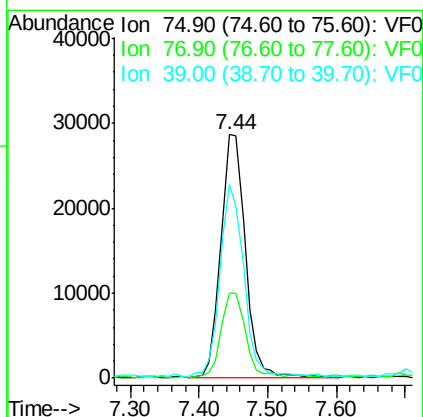
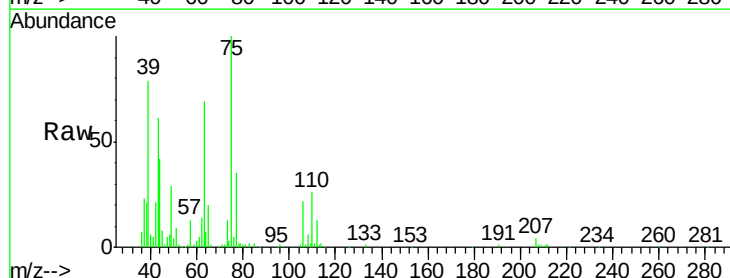
Tgt Ion: 75 Resp: 71683

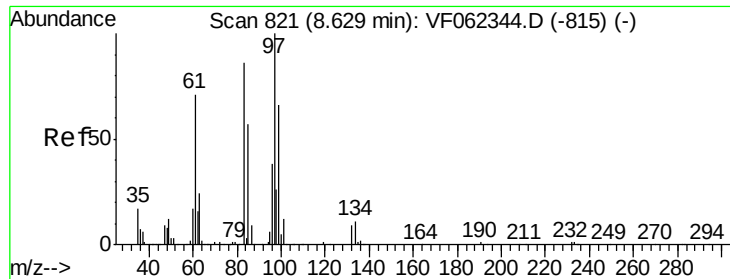
Ion Ratio Lower Upper

75 100

77 34.7 24.0 36.0

39 78.9 58.7 88.1





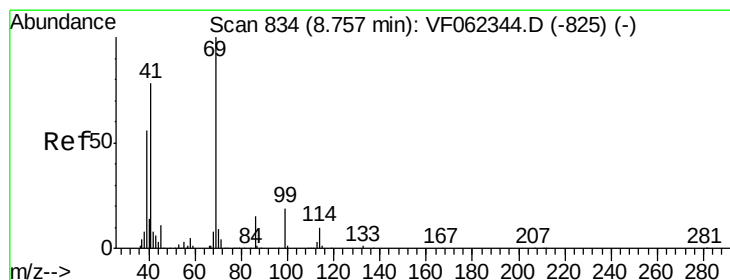
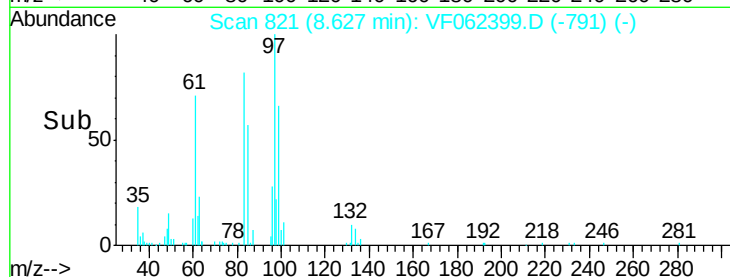
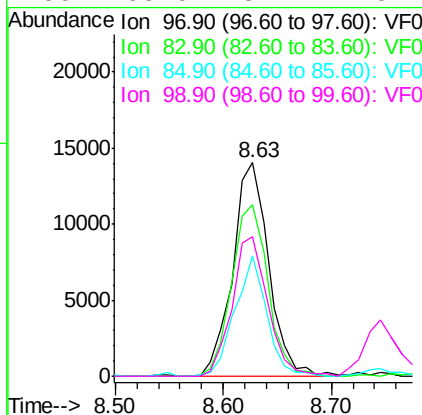
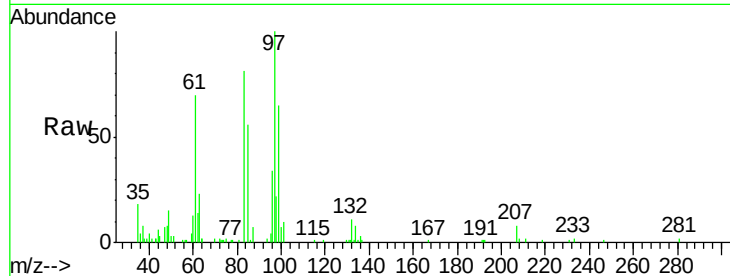
#55
 1,1,2-Trichloroethane
 Concen: 20.844 ug/l
 RT: 8.63 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBS01

Tot Ion:	97	Resp:	32539
Ion	Ratio	Lower	Upper
97	100		
83	80.6	68.5	102.7
85	56.1	45.4	68.2
99	65.0	52.7	79.1

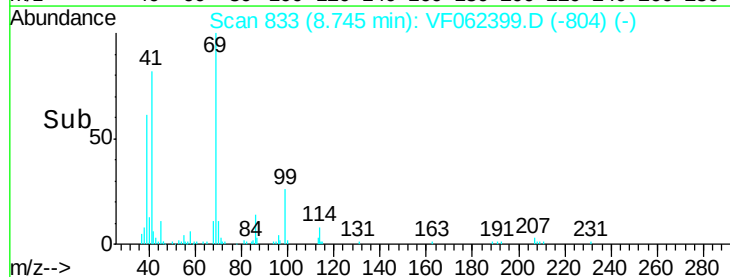
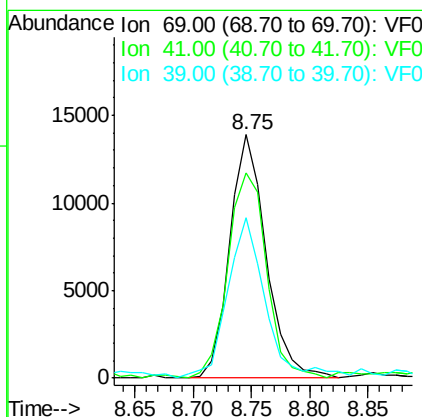
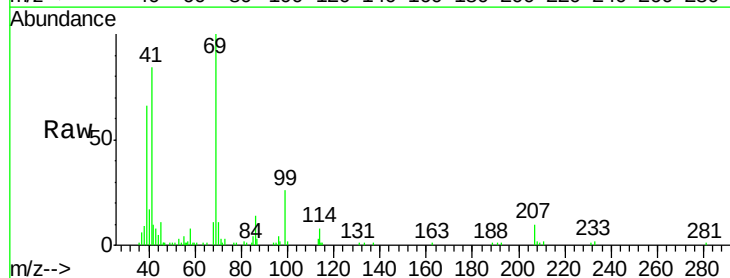
Manual Integrations
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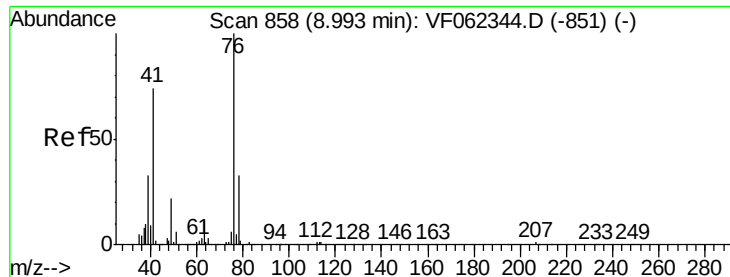
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#56
 Ethyl methacrylate
 Concen: 18.326 ug/l
 RT: 8.75 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion:	69	Resp:	30200
Ion	Ratio	Lower	Upper
69	100		
41	89.5	66.3	99.5
39	68.2	50.1	75.1





#57

1,3-Dichloropropane

Concen: 21.189 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBS01

Tot Ion: 76 Resp: 49964

Ion Ratio Lower Upper

76 100

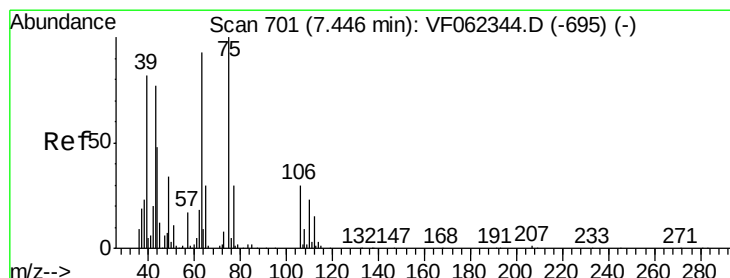
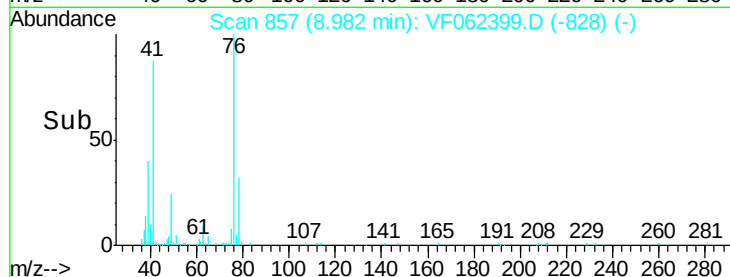
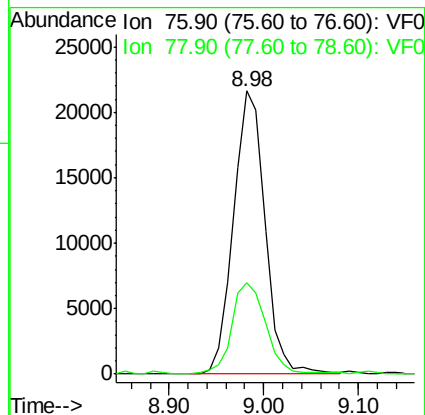
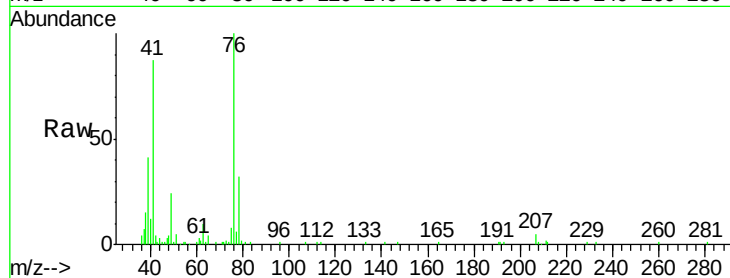
78 35.2 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 91.088 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF062399.D

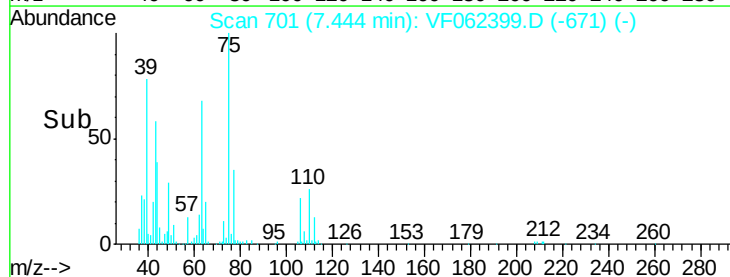
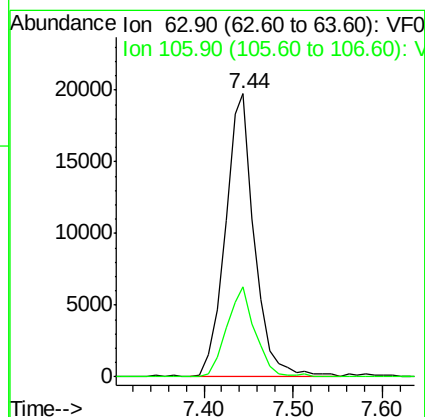
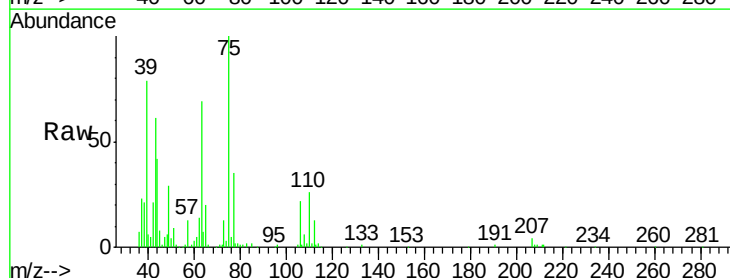
Acq: 9 May 2019 16:50

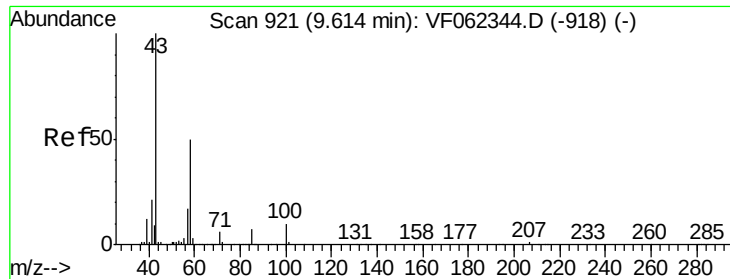
Tgt Ion: 63 Resp: 45128

Ion Ratio Lower Upper

63 100

106 31.2 25.8 38.8





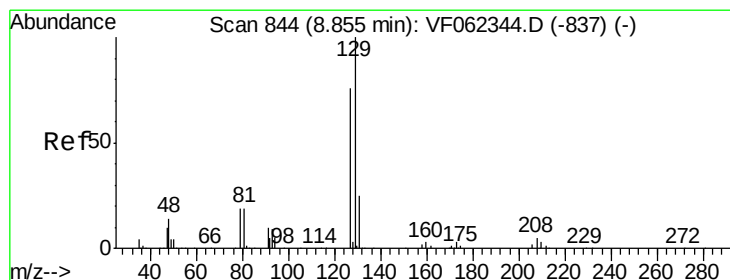
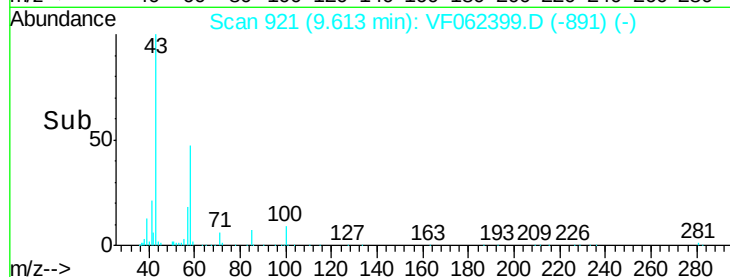
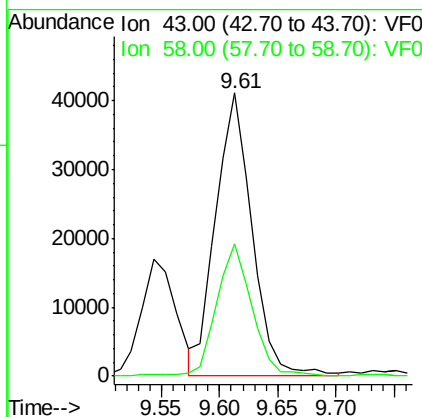
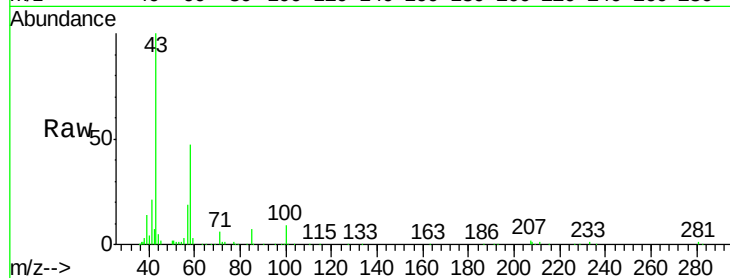
#59
2-Hexanone
Concen: 101.690 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

Tot Ion: 43 Resp: 87746
Ion Ratio Lower Upper
43 100
58 45.9 24.3 73.0

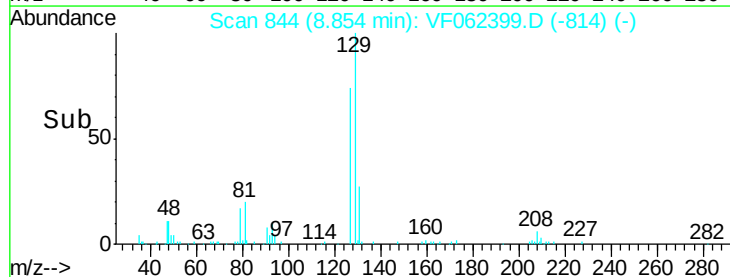
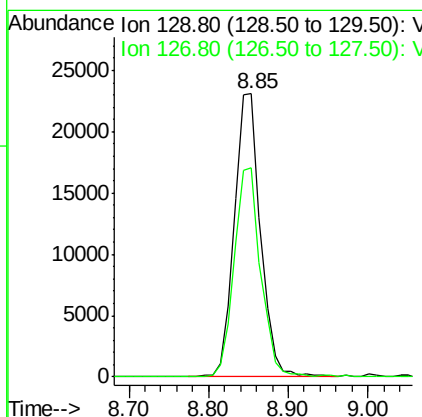
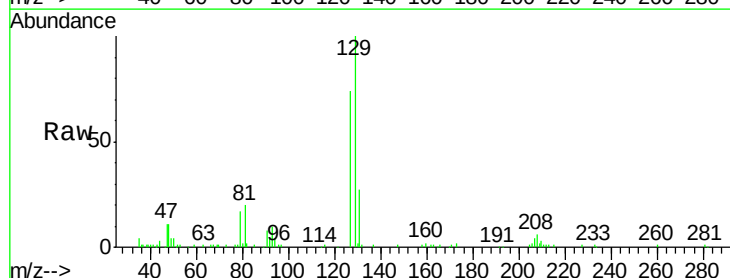
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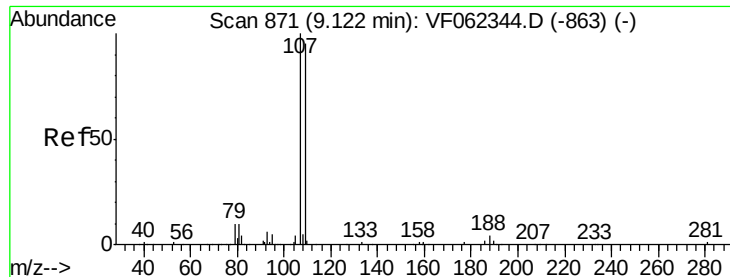
MMDadoda
5/10/2019 11:03:42 AM



#60
Dibromochloromethane
Concen: 20.726 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion: 129 Resp: 52918
Ion Ratio Lower Upper
129 100
127 74.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.243 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBS01

Tot Ion: 107 Resp: 37141

Ion Ratio Lower Upper

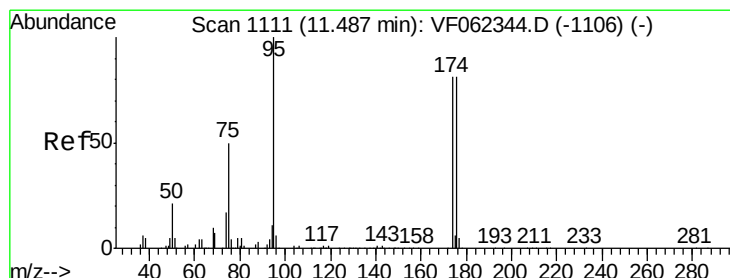
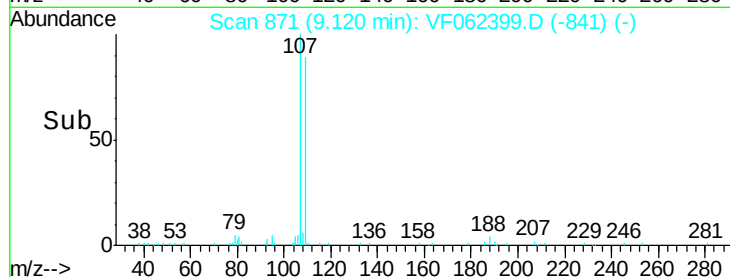
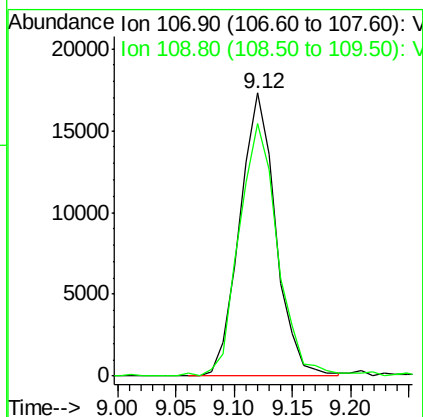
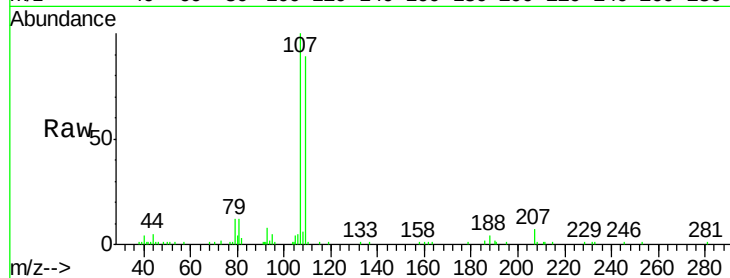
107 100

109 96.3 75.2 112.8

Manual Integrations
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5/10/2019 11:03:42 AM



#62

4-Bromofluorobenzene

Concen: 53.157 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

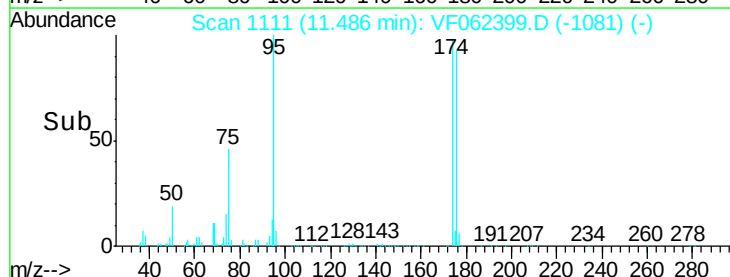
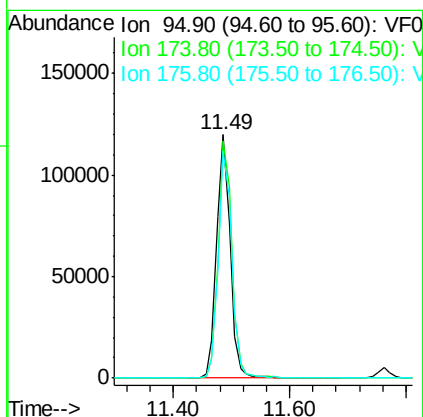
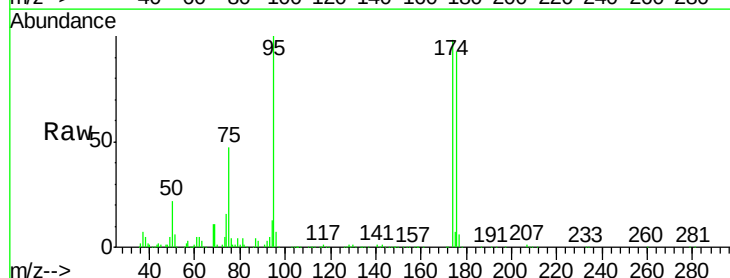
Tgt Ion: 95 Resp: 194896

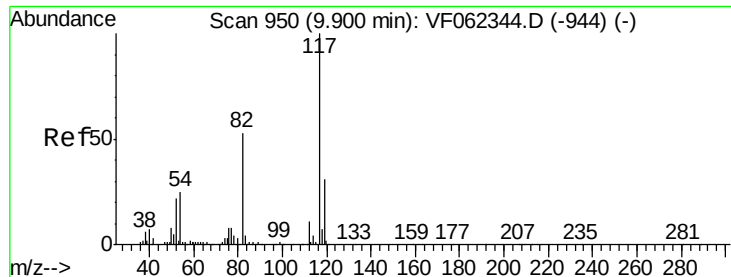
Ion Ratio Lower Upper

95 100

174 98.6 0.0 191.8

176 94.4 0.0 193.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

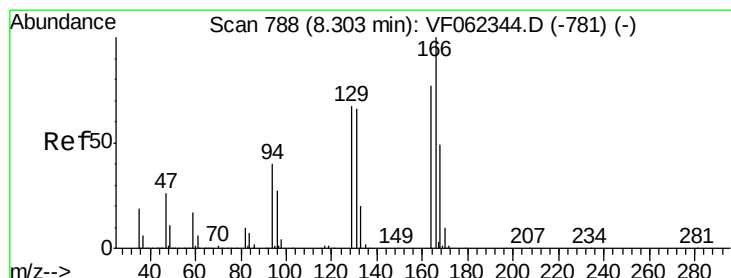
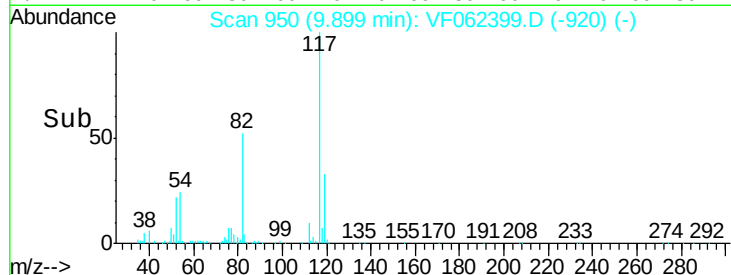
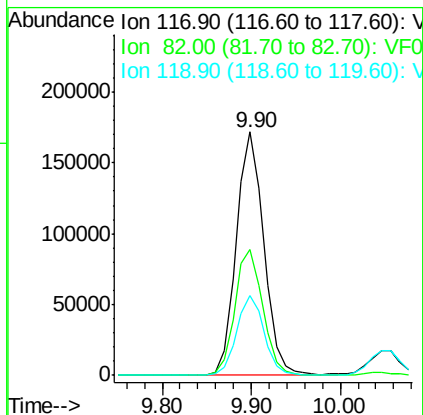
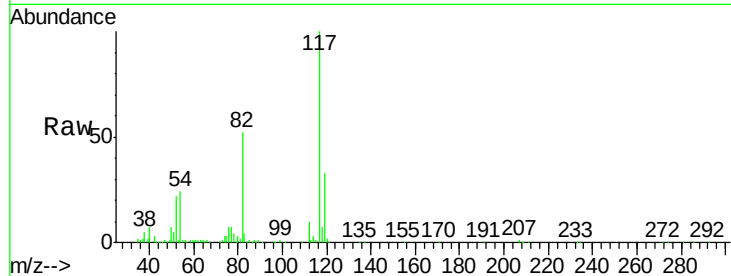
ClientSampleId :

VF0509SBS01

Tot Ion:	117	Resp:	371312
Ion Ratio	Lower	Upper	
117	100		
82	51.7	42.2	63.2
119	32.9	25.0	37.4

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.913 ug/l

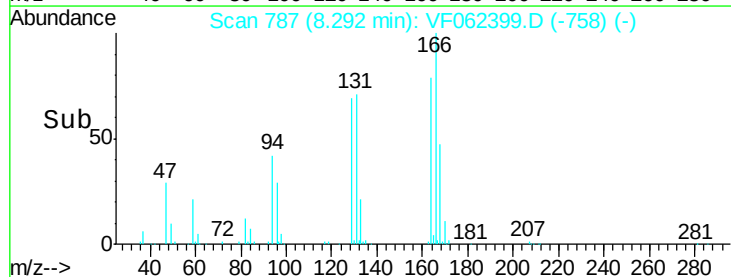
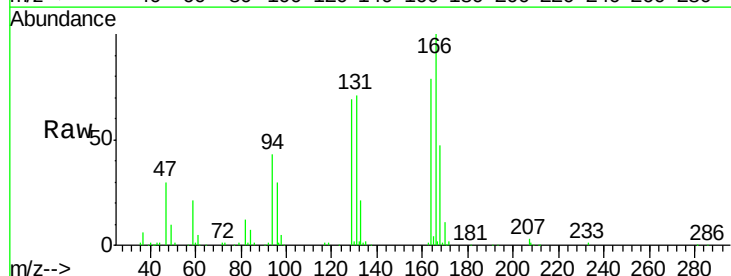
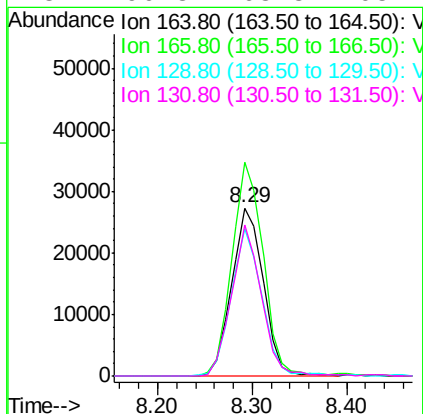
RT: 8.29 min Scan# 787

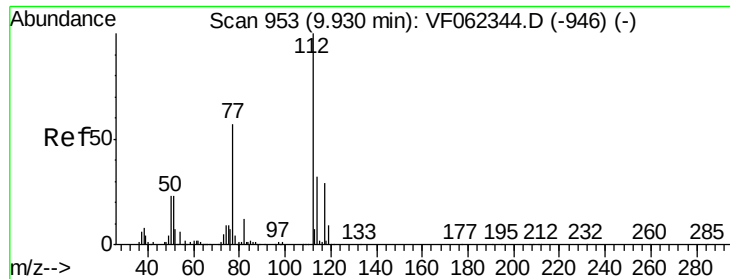
Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion:	164	Resp:	63042
Ion Ratio	Lower	Upper	
164	100		
166	127.4	104.2	156.4
129	87.6	69.6	104.4
131	90.3	68.8	103.2





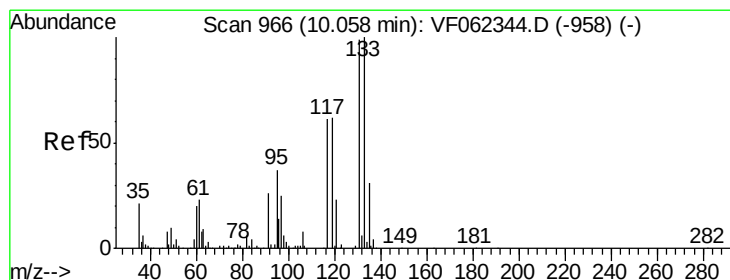
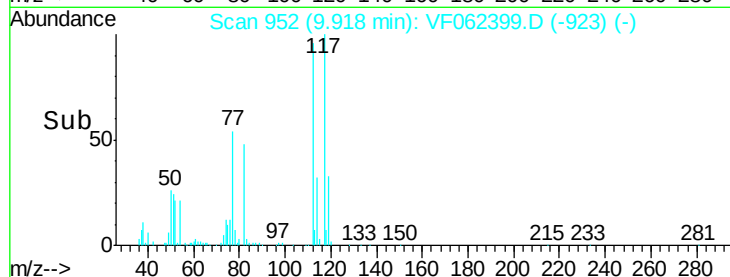
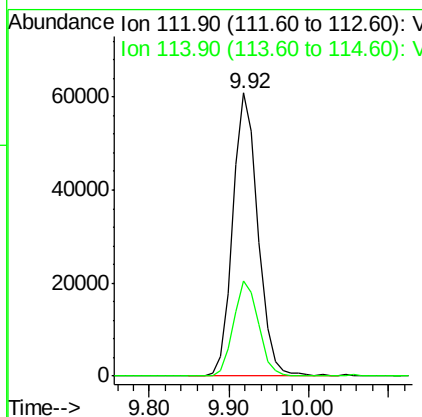
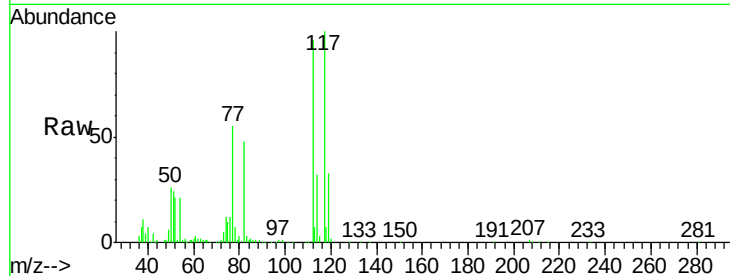
#65
Chlorobenzene
Concen: 21.917 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	134651		
114	33.5	25.4	38.0	

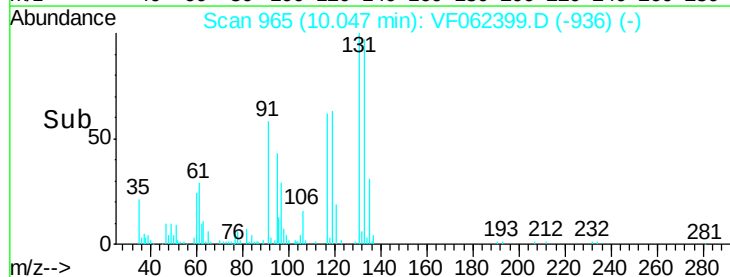
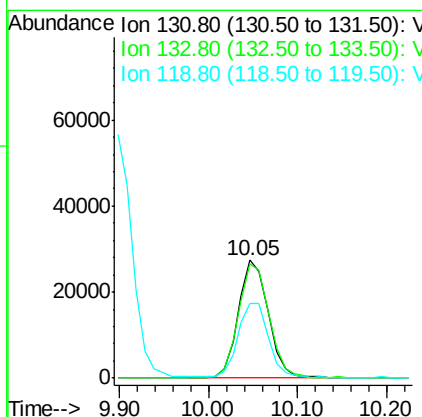
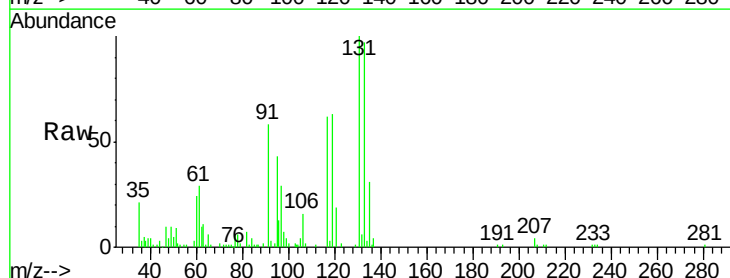
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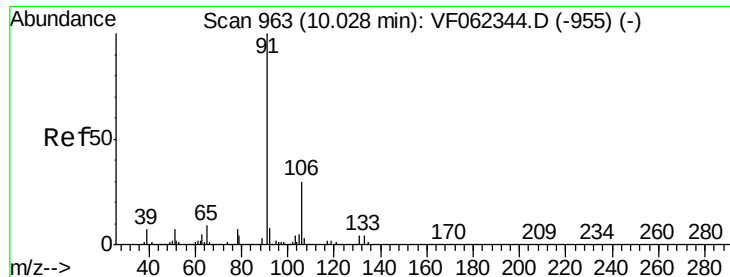
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.670 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	64061		
133	99.9	50.2	150.7	
119	64.8	31.6	95.0	





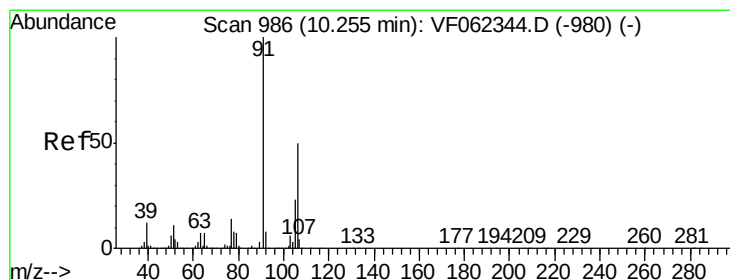
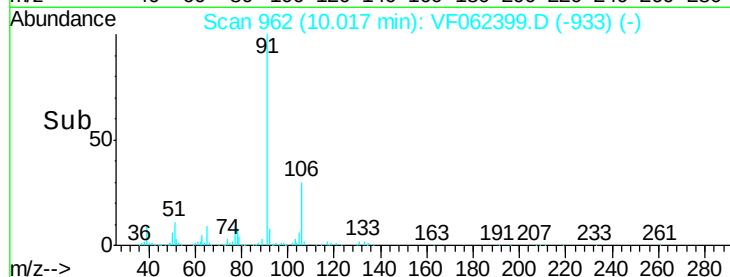
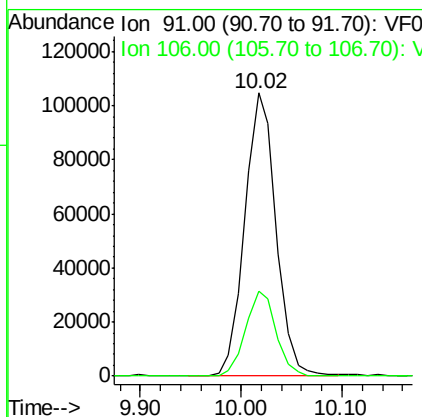
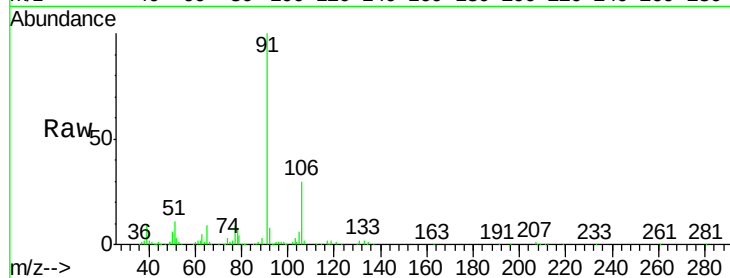
#67
Ethyl Benzene
Concen: 21.031 ug/l
RT: 10.02 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.1	36.1

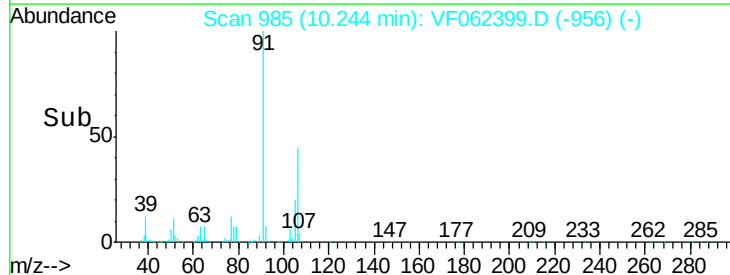
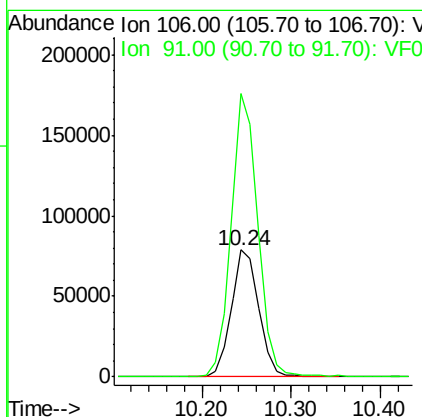
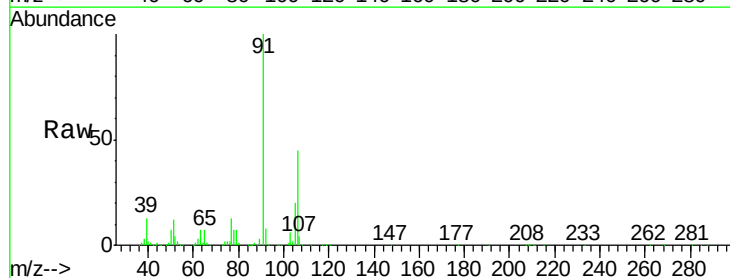
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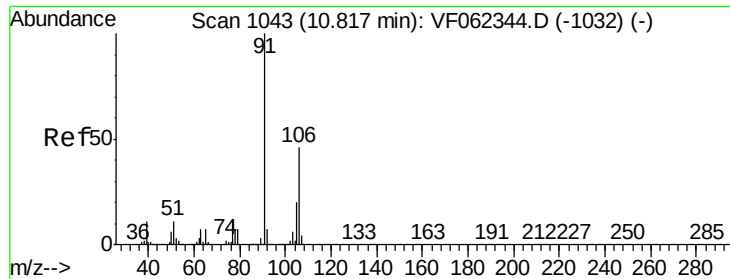
MMDadoda
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#68
m/p-Xylenes
Concen: 42.834 ug/l
RT: 10.24 min Scan# 985
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
106	100		
91	218.1	167.4	251.2





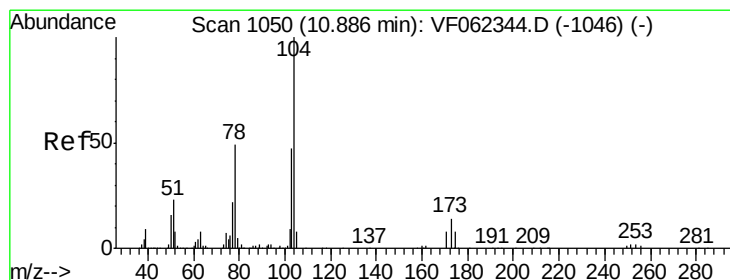
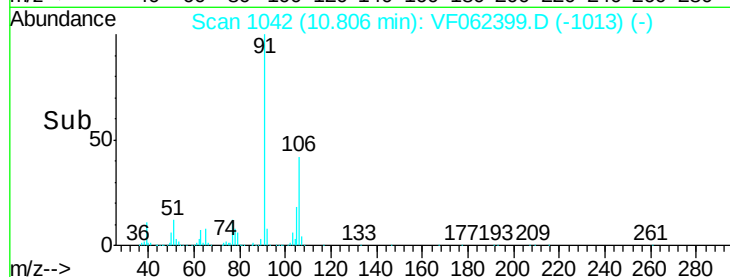
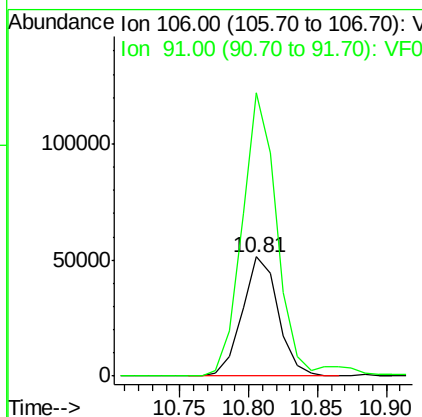
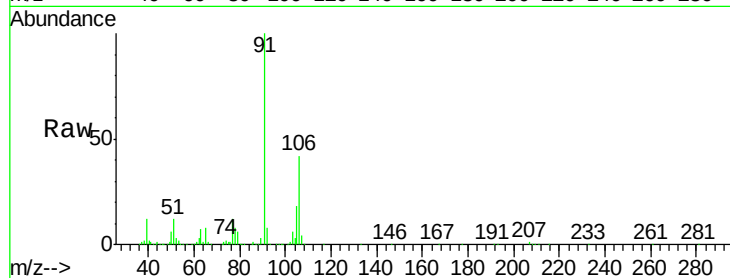
#69
o-Xylene
Concen: 21.805 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	237.3	111.3	333.8	

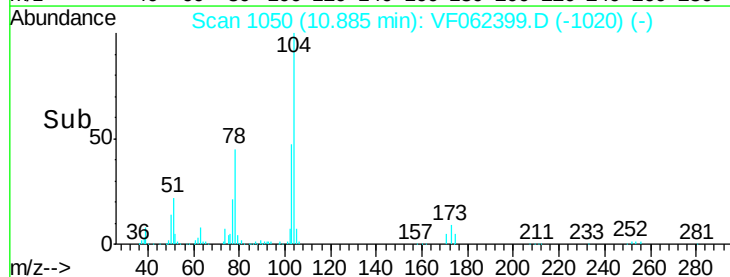
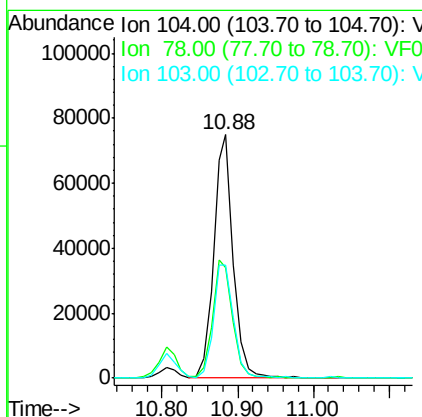
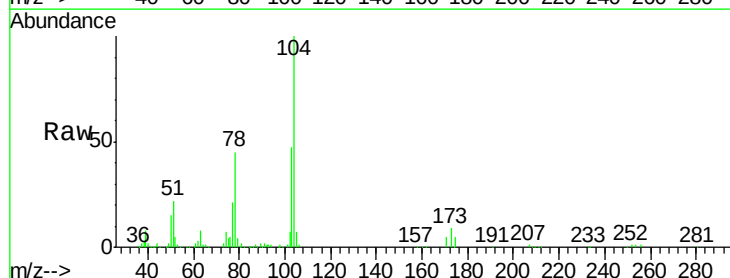
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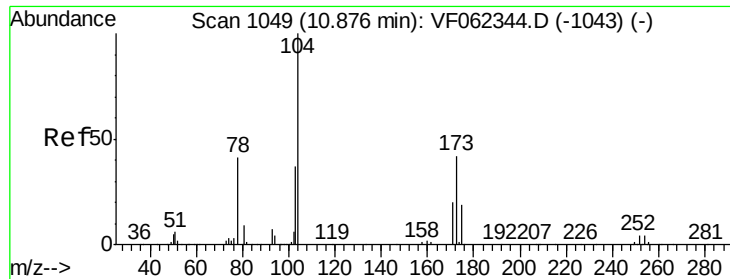
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#70
Styrene
Concen: 21.083 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	49.3	39.5	59.3	
103	47.5	38.4	57.6	





#71

Bromoform

Concen: 19.474 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

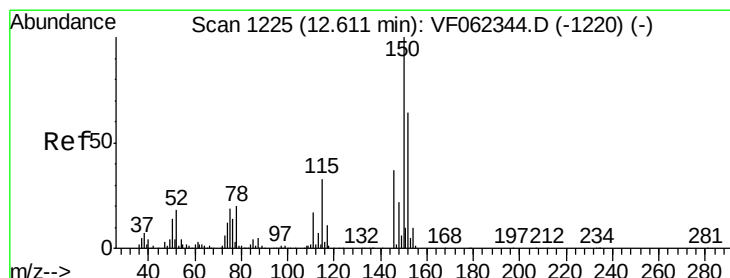
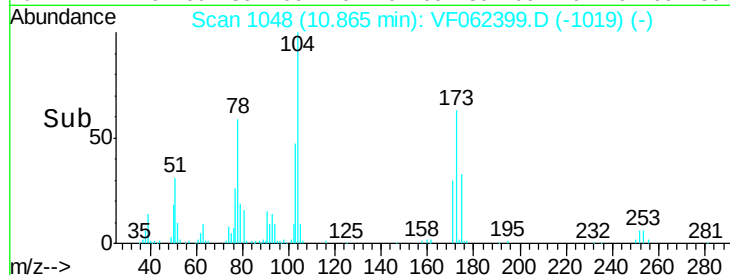
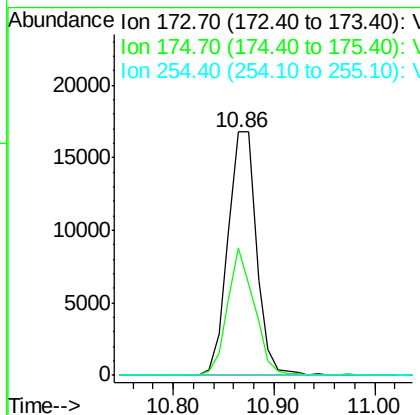
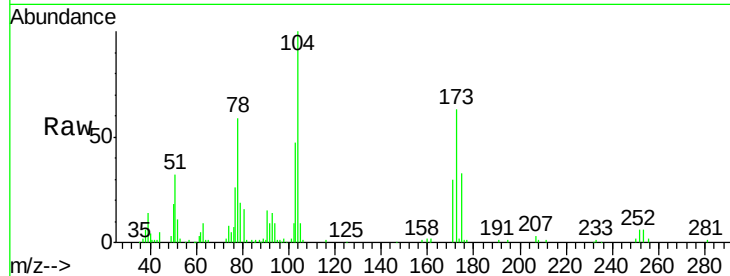
ClientSampleId :

VF0509SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.8	71.2
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

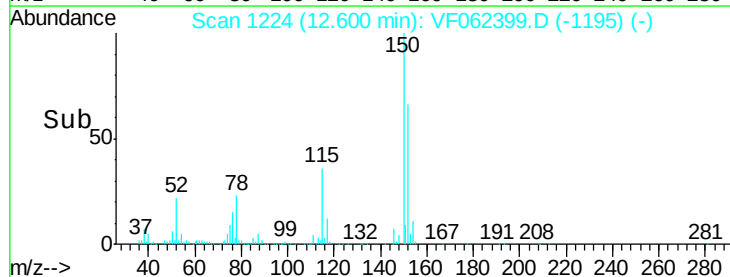
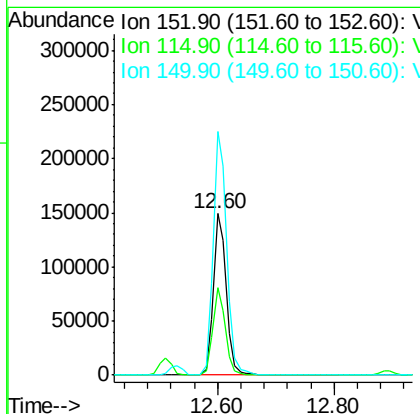
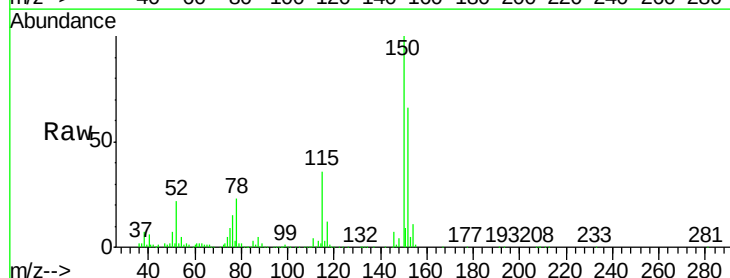
RT: 12.60 min Scan# 1224

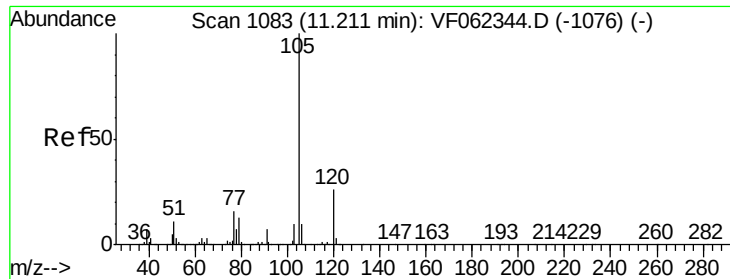
Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	26.4	79.2
150	155.9	0.0	335.0





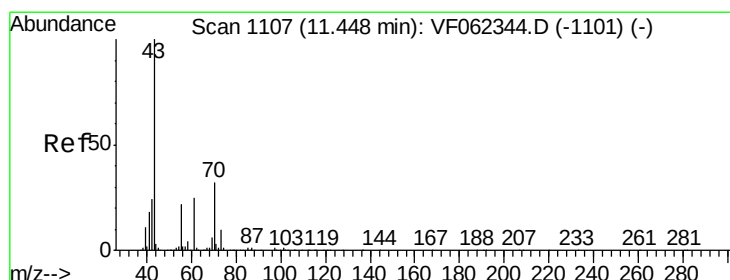
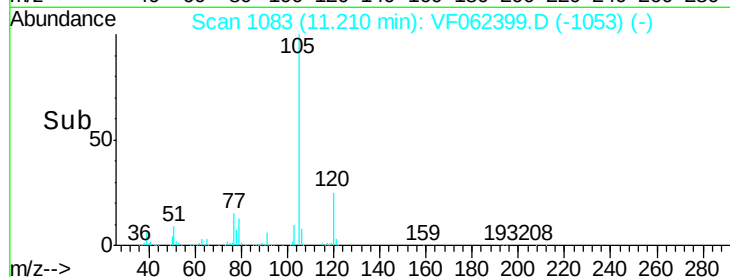
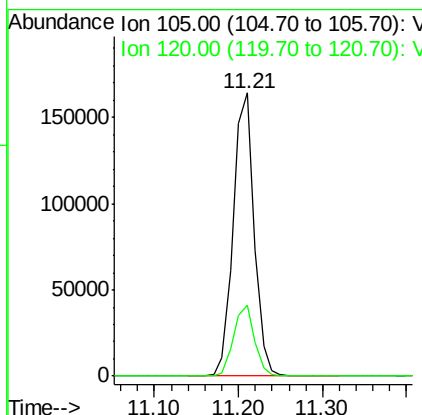
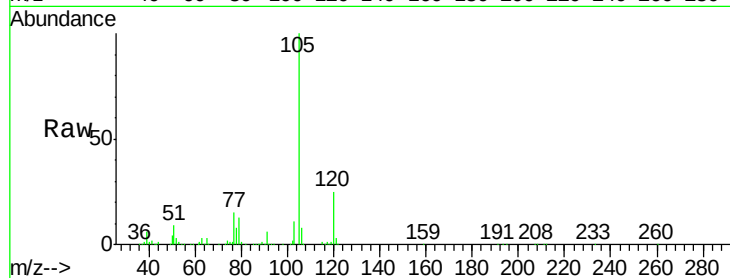
#73
Isopropylbenzene
Concen: 20.867 ug/l
RT: 11.21 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampled :
VF0509SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.7	38.0

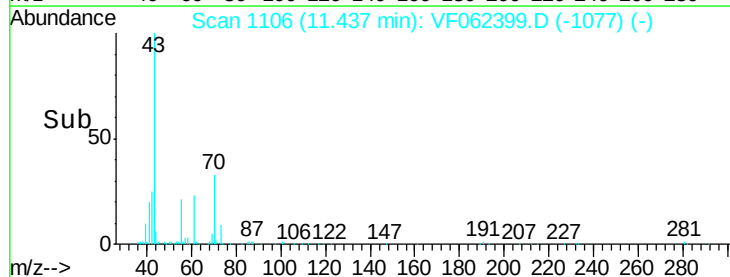
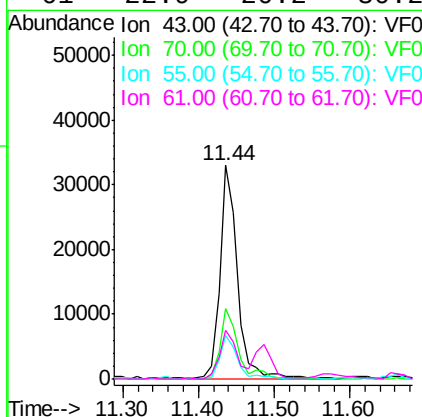
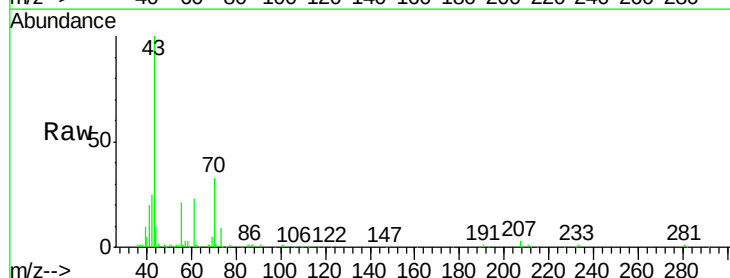
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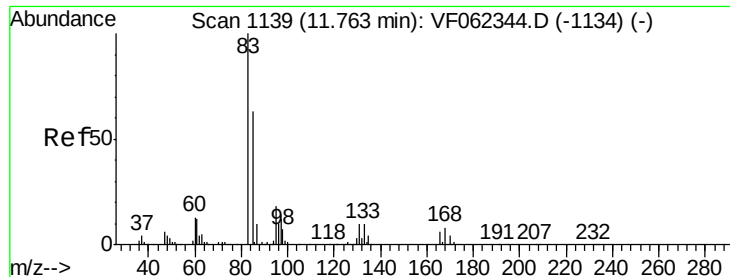
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#74
N-ethyl acetate
Concen: 18.480 ug/l
RT: 11.44 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	33.6	26.5	39.7
55	20.8	17.8	26.6
61	22.9	20.2	30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.906 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

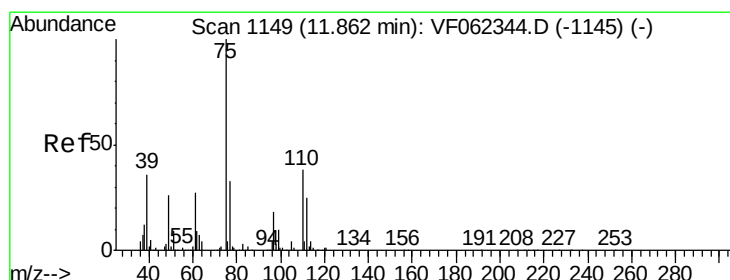
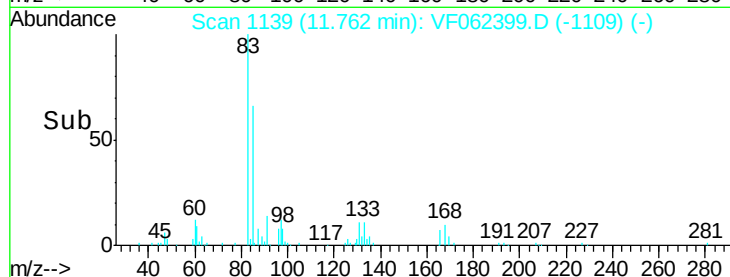
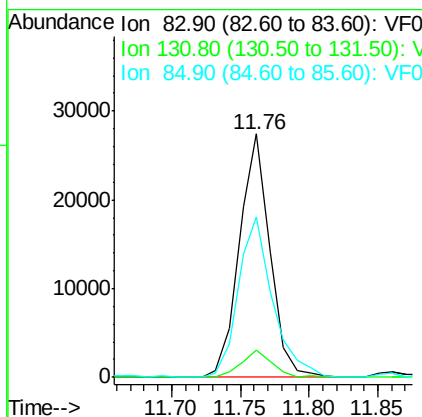
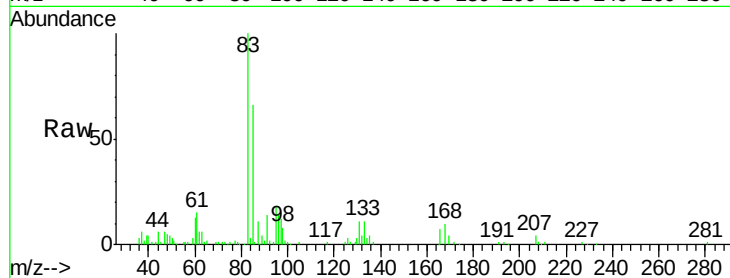
ClientSampleId :

VF0509SBS01

Tot Ion:	83	Resp:	42404
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.8	17.4
85	74.5	35.3	105.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.329 ug/l

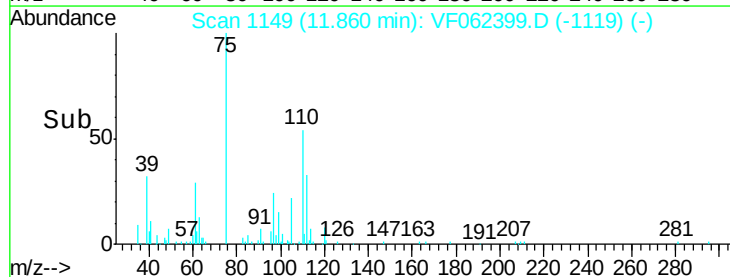
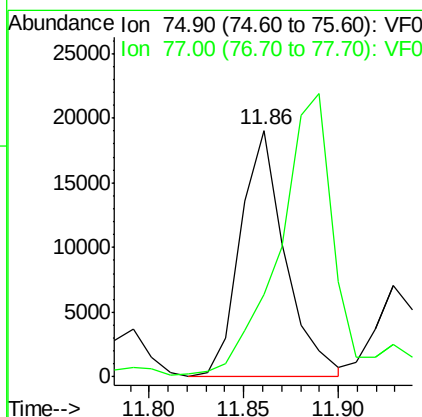
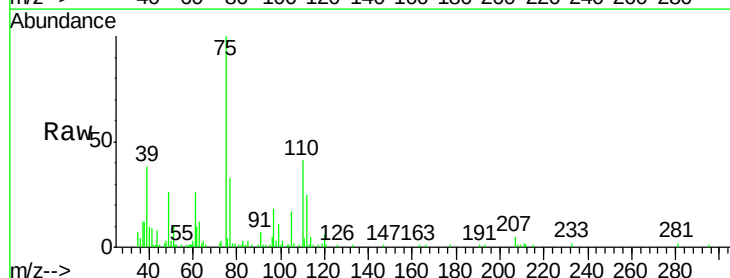
RT: 11.86 min Scan# 1149

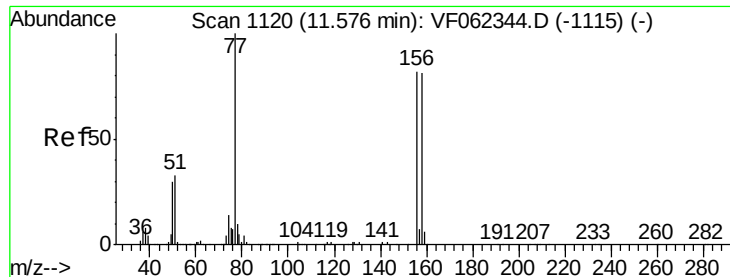
Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion:	75	Resp:	31414
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.295 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

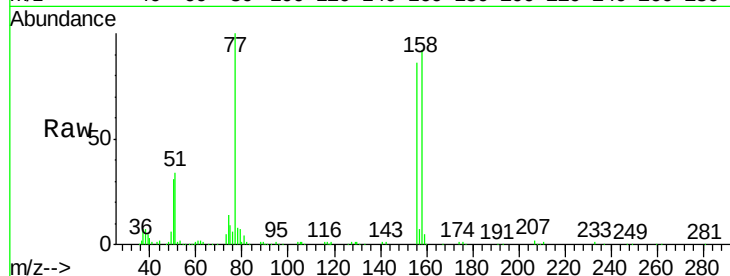
ClientSampleId :

VF0509SBS01

Tot Ion:	156	Resp:	72464
Ion Ratio	Lower	Upper	
156	100		
77	130.5	64.8	194.3
158	99.9	49.1	147.3

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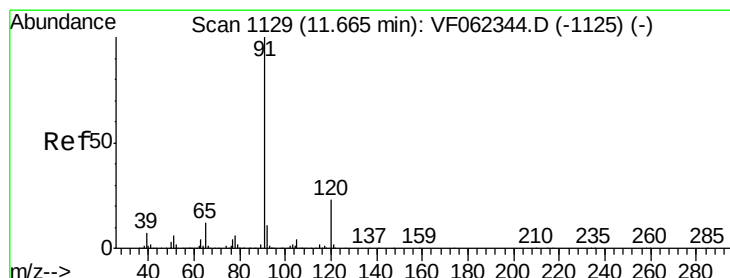
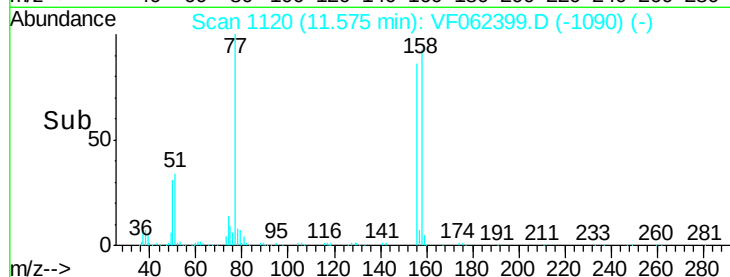
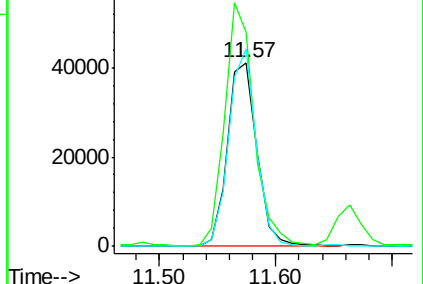
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.944 ug/l

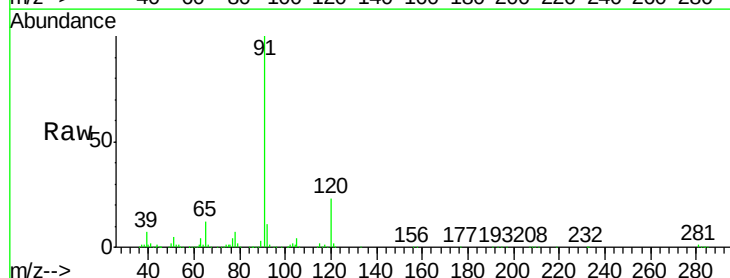
RT: 11.66 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF062399.D

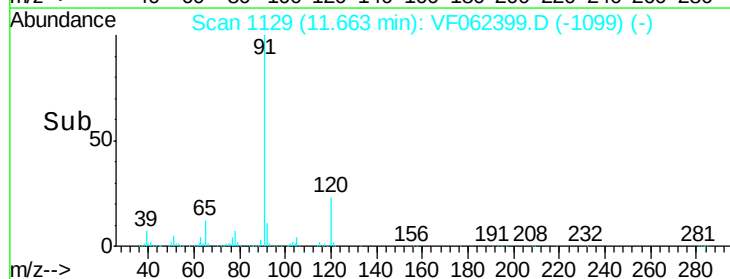
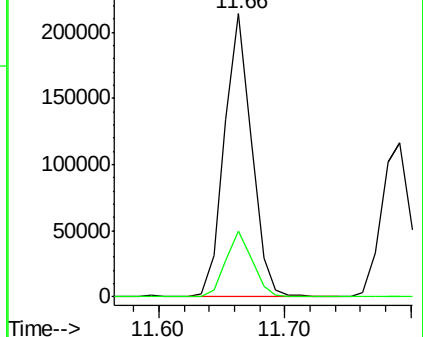
Acq: 9 May 2019 16:50

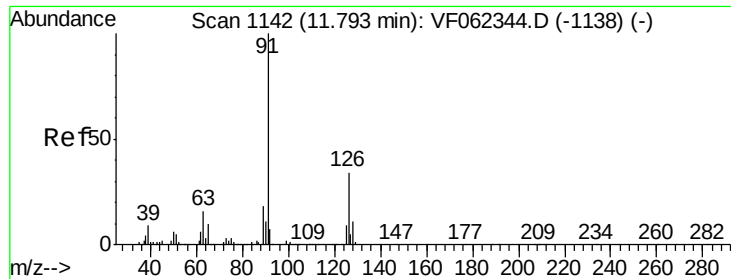
Tgt Ion:	91	Resp:	317840
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.940 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBSD01

Tot Ion: 91 Resp: 188599

Ion Ratio Lower Upper

91 100

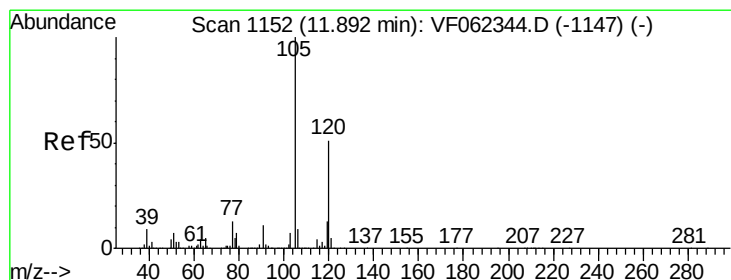
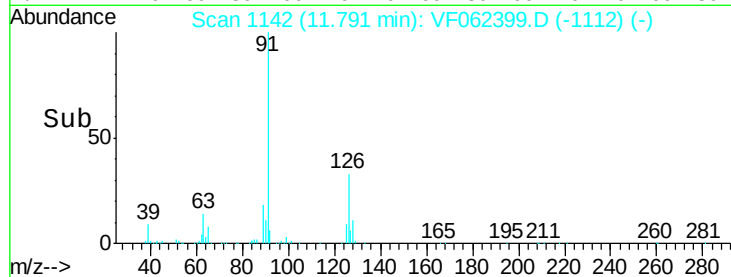
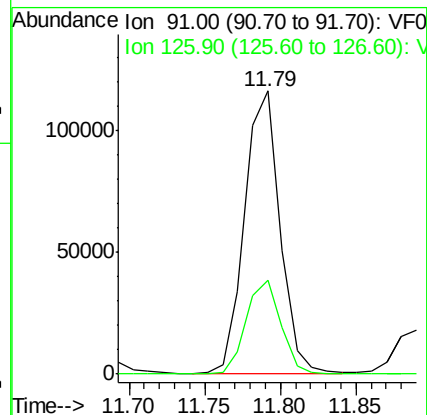
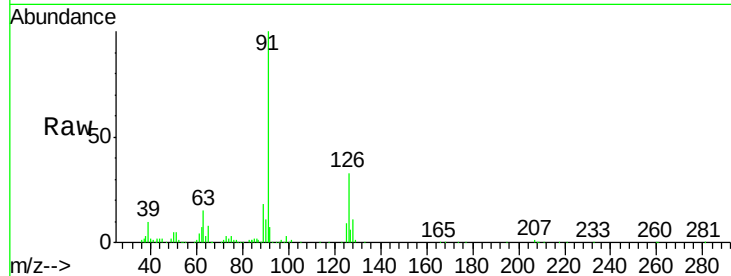
126 33.1 17.8 53.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.490 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062399.D

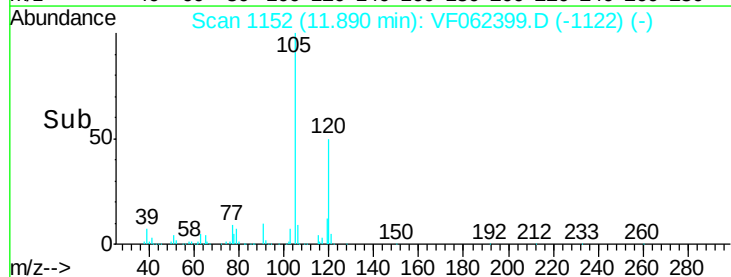
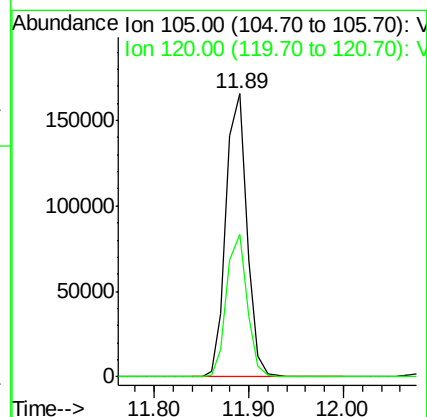
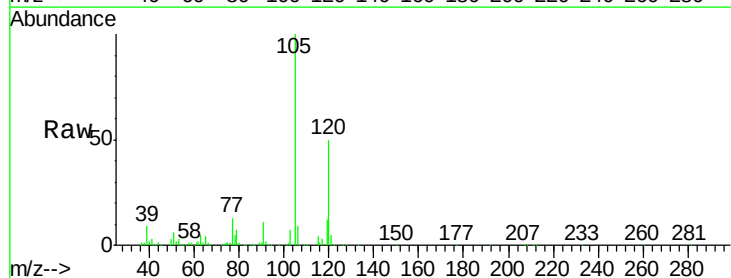
Acq: 9 May 2019 16:50

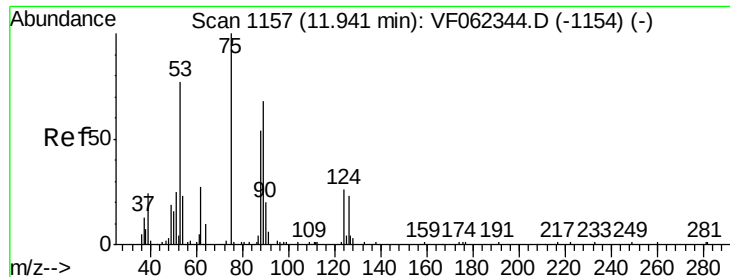
Tgt Ion:105 Resp: 256255

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0





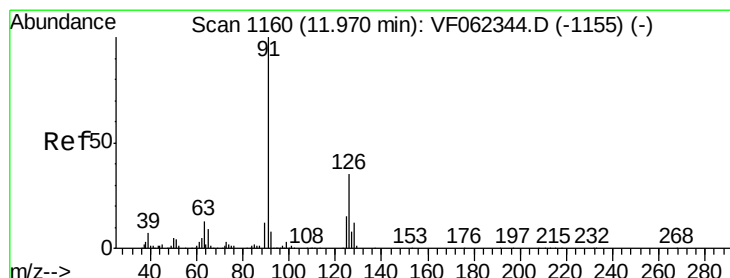
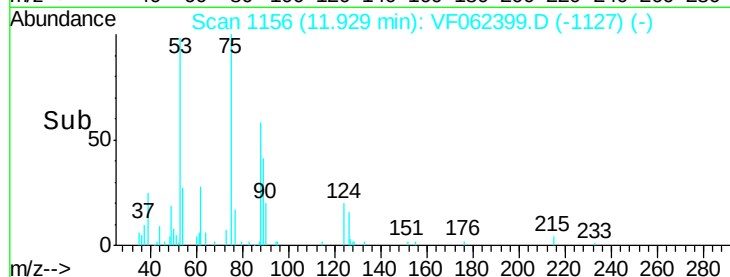
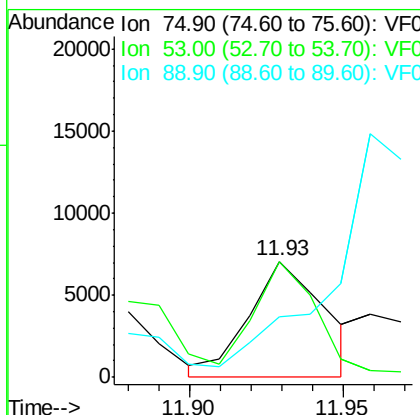
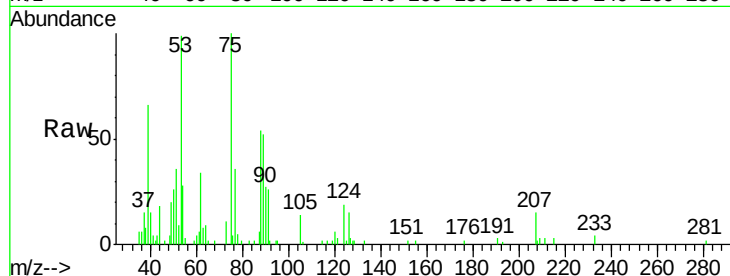
#81
trans-1,4-Dichloro-2-butene
Concen: 19.612 ug/l m
RT: 11.93 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.9	71.9	107.9
89	0.0	0.0	0.0

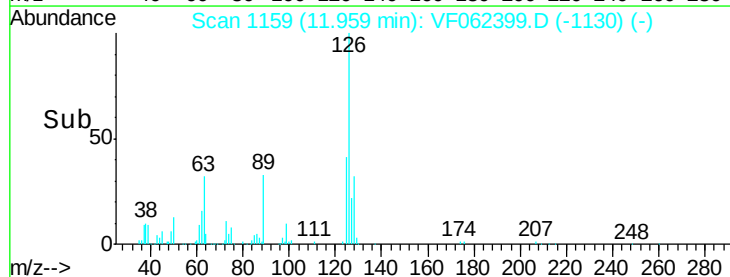
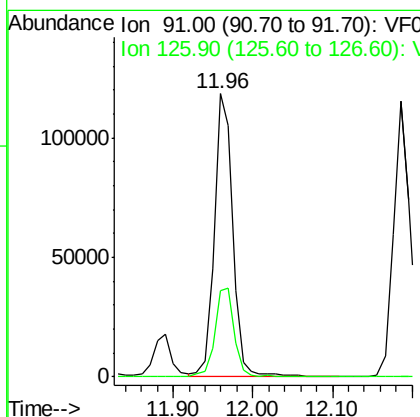
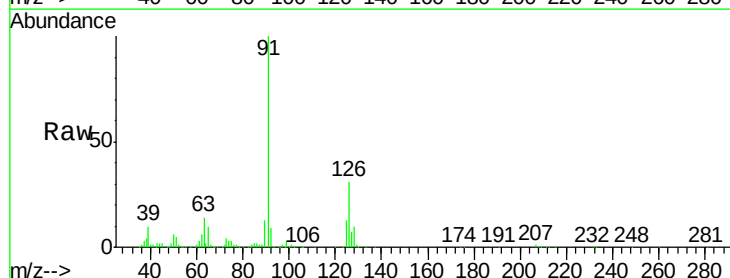
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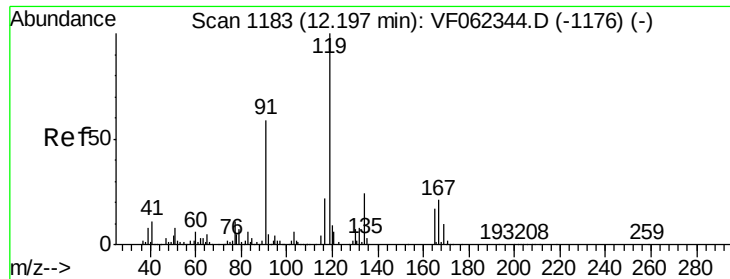
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.586 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.7	53.1





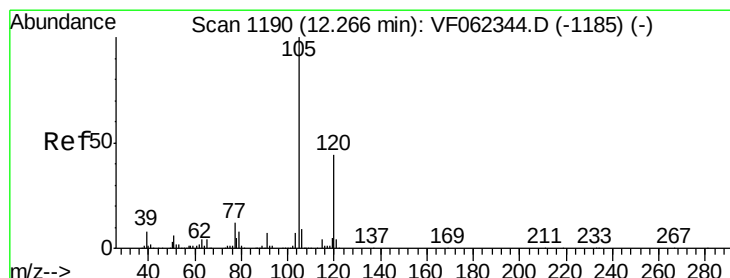
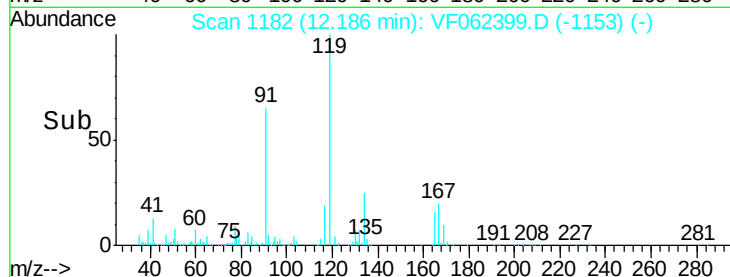
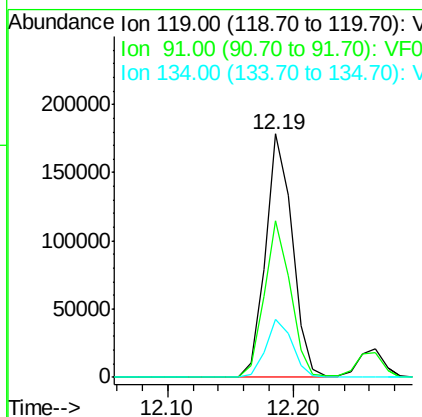
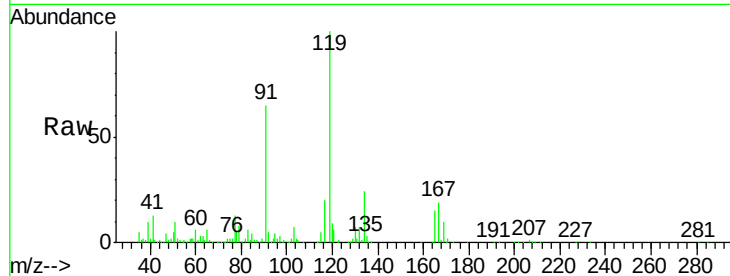
#83
 tert-Butylbenzene
 Concen: 21.158 ug/l
 RT: 12.19 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	265153		
91	62.7	30.4	91.3	
134	23.9	11.9	35.7	

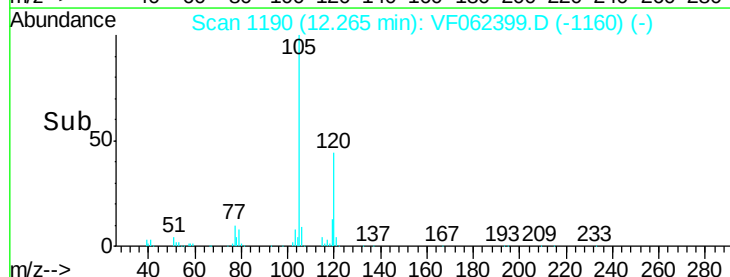
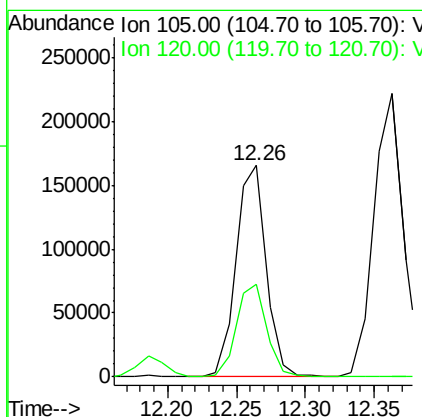
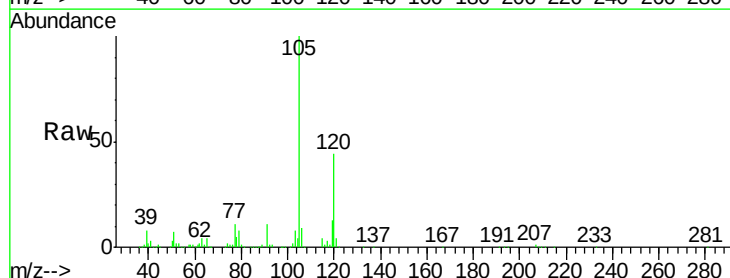
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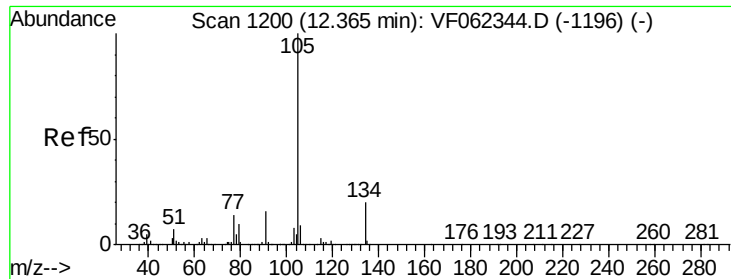
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.660 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252762		
120	44.2	22.6	67.7	





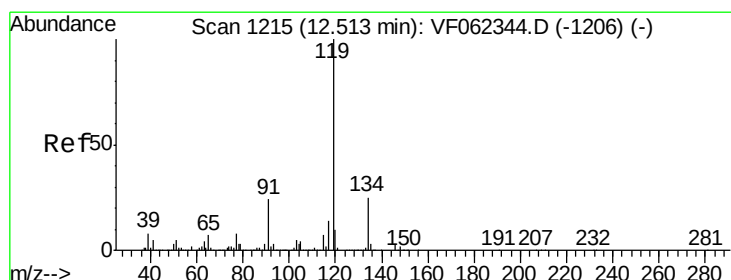
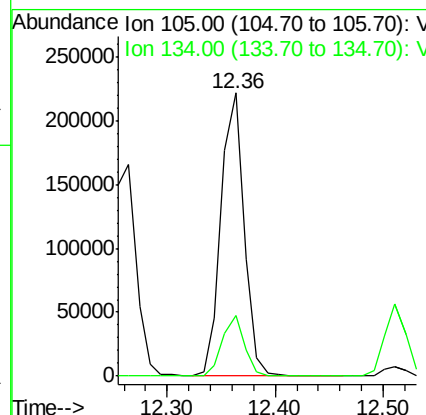
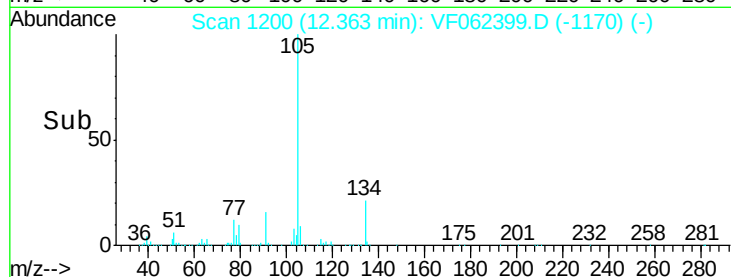
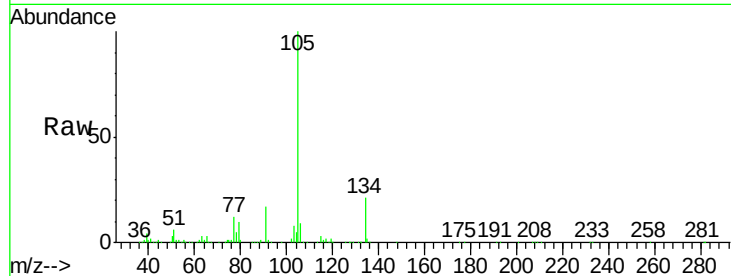
#85
 sec-Butylbenzene
 Concen: 21.683 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	330746		
134	20.4	9.8	29.5	

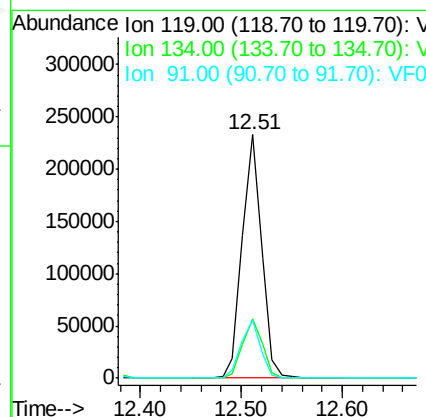
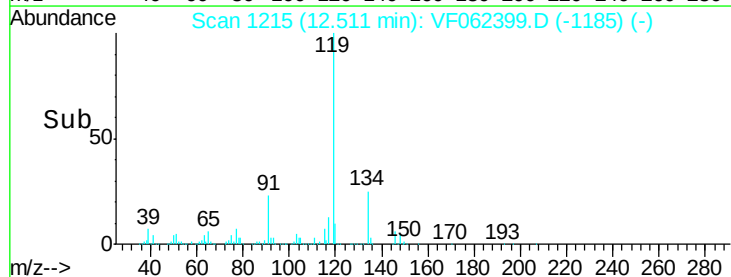
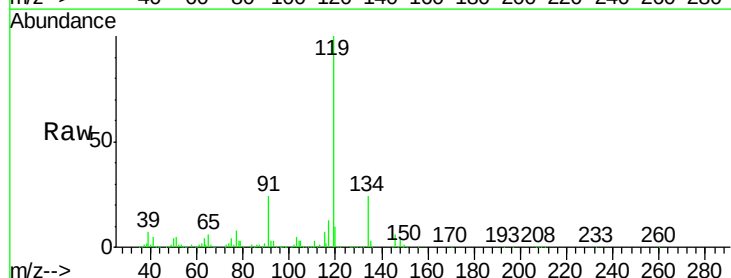
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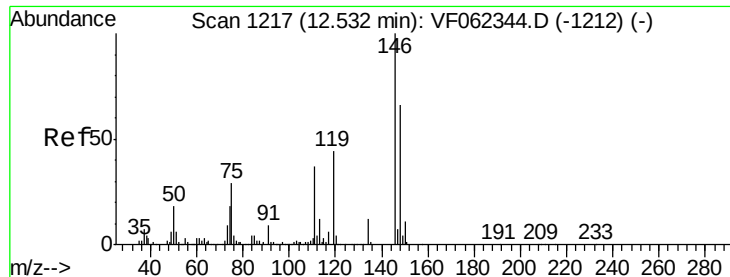
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#86
 p-Isopropyltoluene
 Concen: 22.081 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	312929		
134	25.0	12.9	38.7	
91	23.8	12.3	36.8	





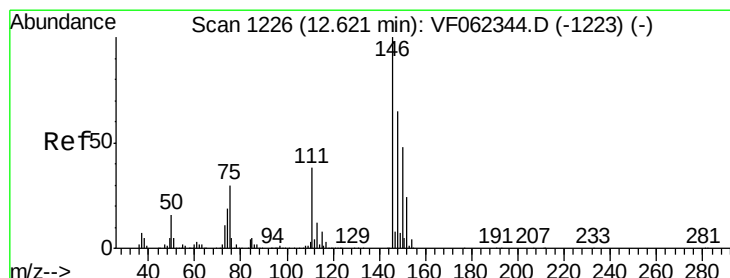
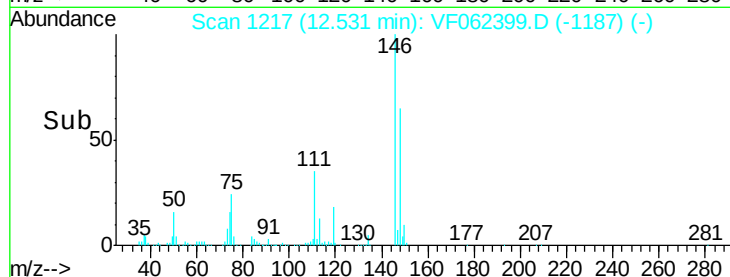
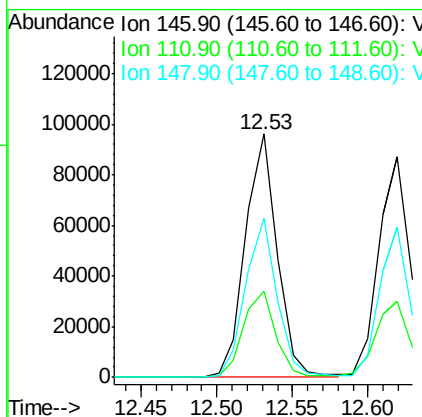
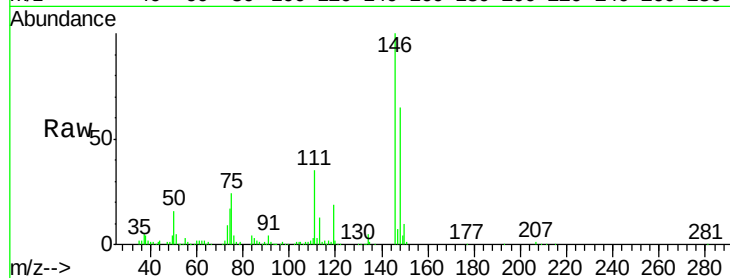
#87
 1,3-Dichlorobenzene
 Concen: 21.668 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.3	54.8
148	65.1	32.3	96.9

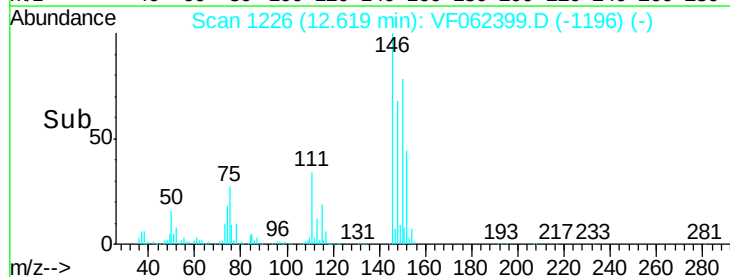
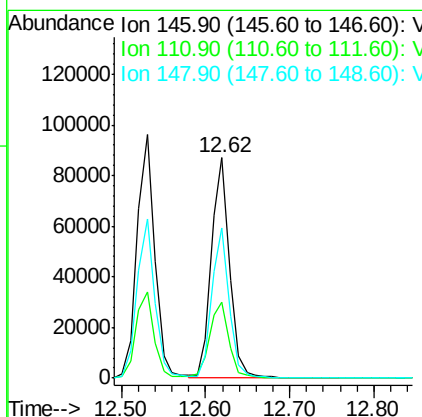
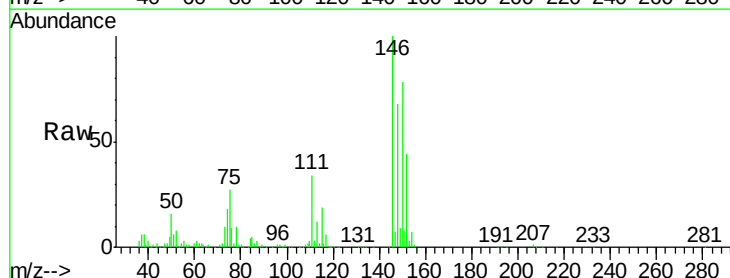
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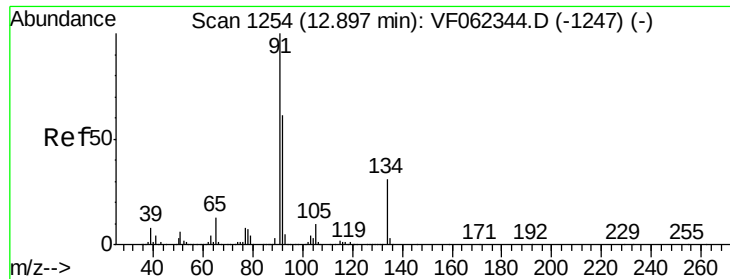
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.845 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VF062399.D
 Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.3
148	64.3	32.2	96.6





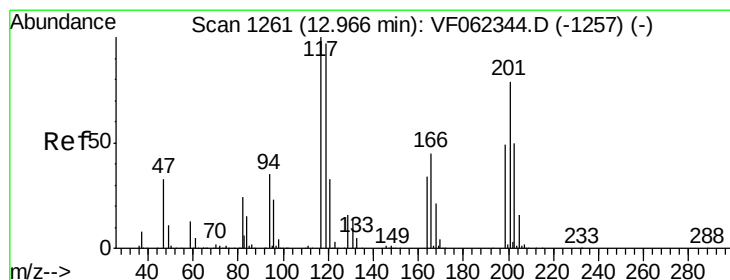
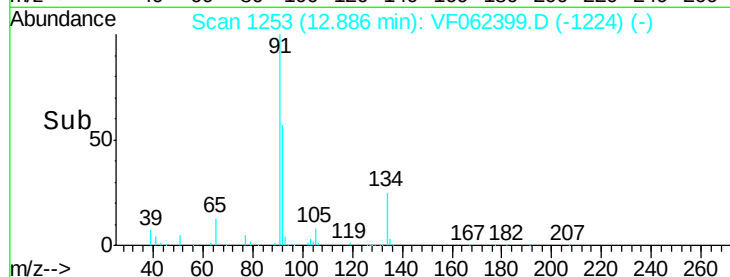
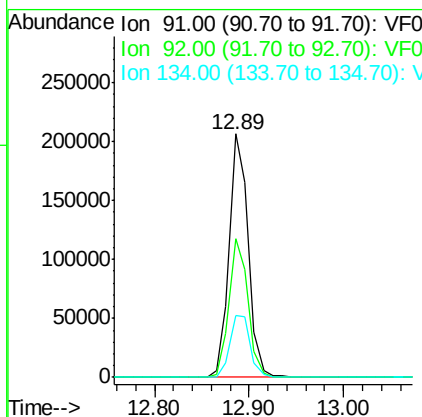
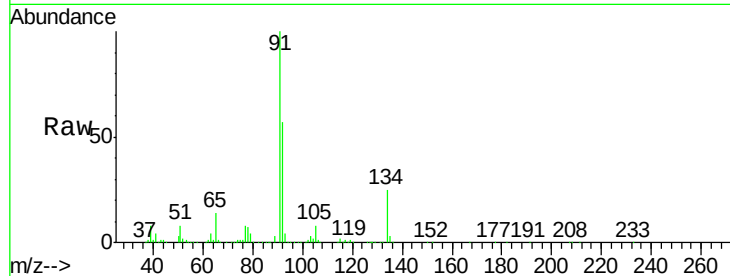
#89
n-Butylbenzene
Concen: 22.741 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	286734		
92	57.4		30.0	90.0
134	27.3		14.1	42.4

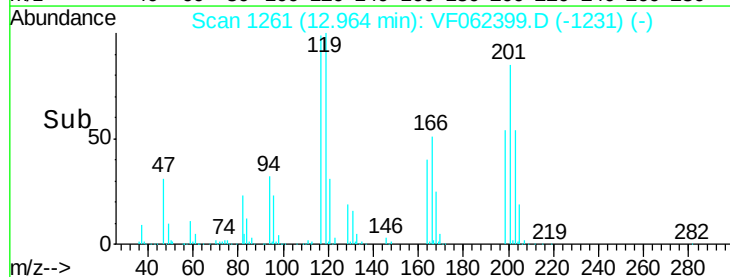
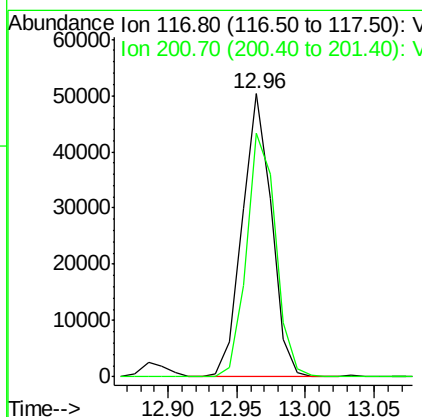
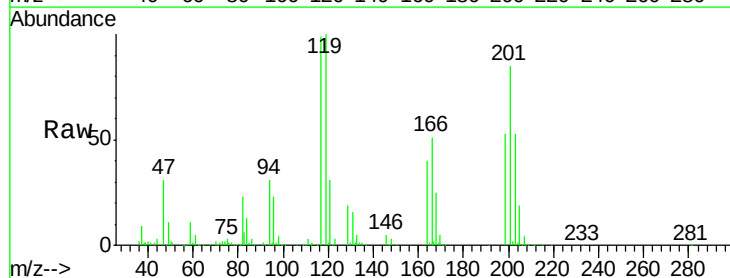
Manual Integrations
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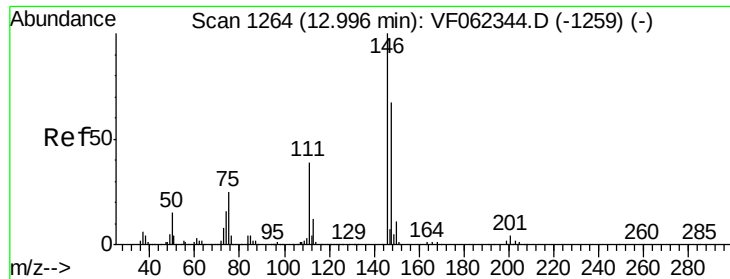
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#90
Hexachloroethane
Concen: 20.959 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	74166		
201	87.1		46.2	138.5





#91

1,2-Dichlorobenzene

Concen: 22.060 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Instrument :

MSVOA_F

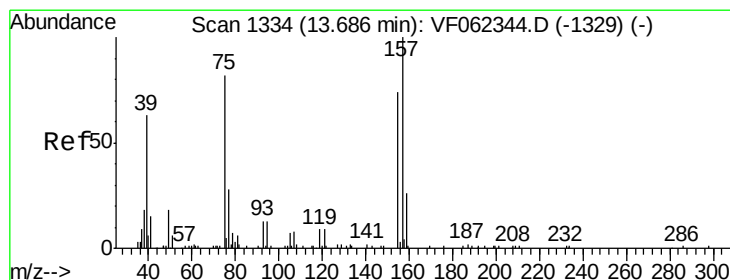
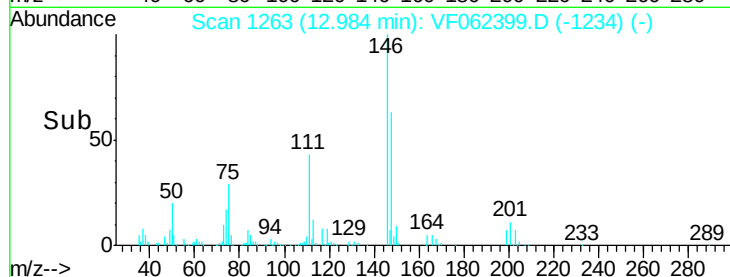
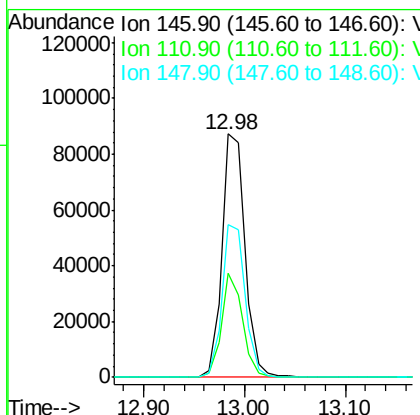
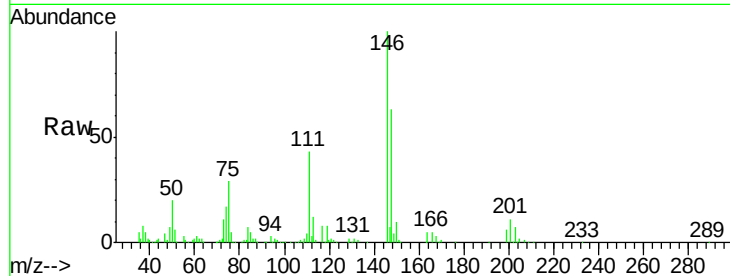
ClientSampleId :

VF0509SBS01

Tot Ion:	146	Resp:	139238
Ion Ratio		Lower	Upper
146	100		
111	39.3	20.0	60.0
148	63.1	33.1	99.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.602 ug/l

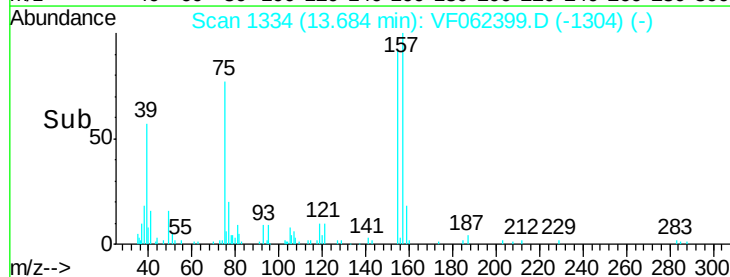
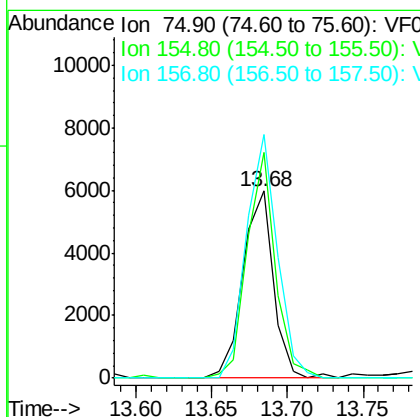
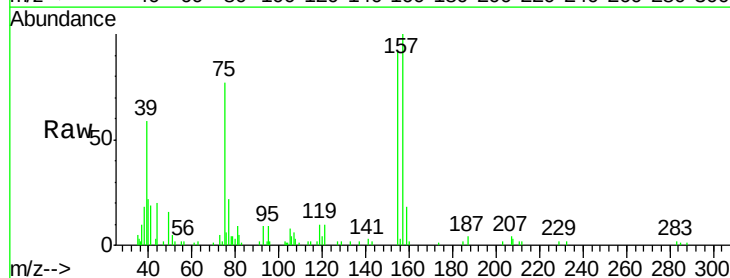
RT: 13.68 min Scan# 1334

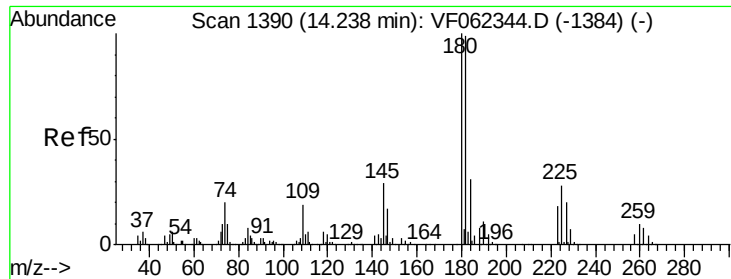
Delta R.T. -0.00 min

Lab File: VF062399.D

Acq: 9 May 2019 16:50

Tgt Ion:	75	Resp:	8400
Ion Ratio		Lower	Upper
75	100		
155	111.6	51.8	155.4
157	131.3	67.3	201.8





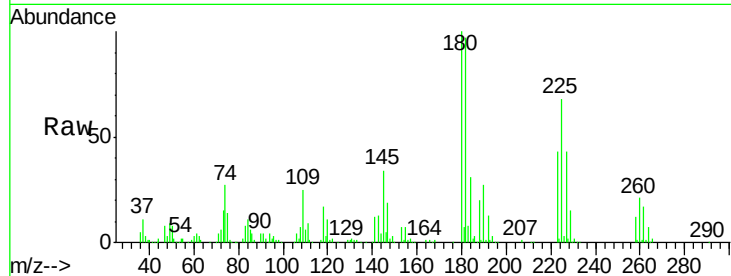
#93
1,2,4-Trichlorobenzene
Concen: 20.527 ug/l
RT: 14.23 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBSD01

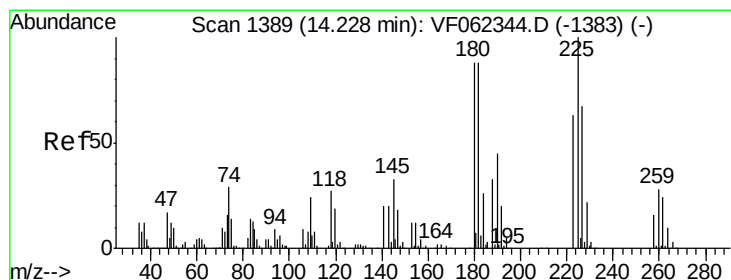
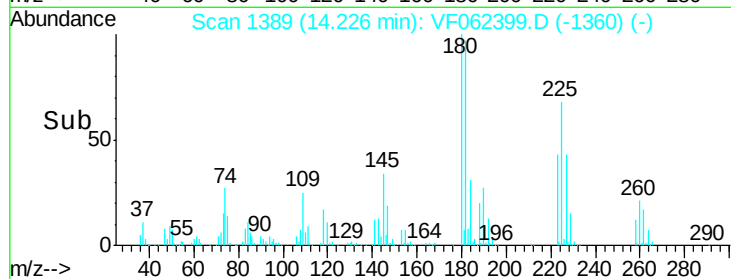
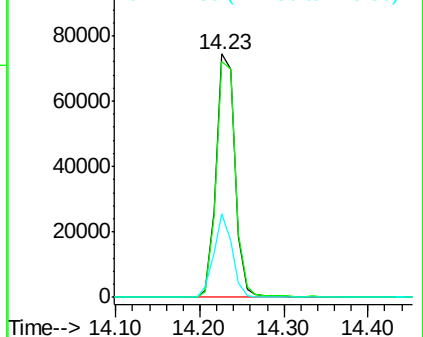
Tot Ion	Ratio	Resp	Lower	Upper
180	100	116212		
182	99.2	49.0	147.0	
145	33.3	16.7	50.1	

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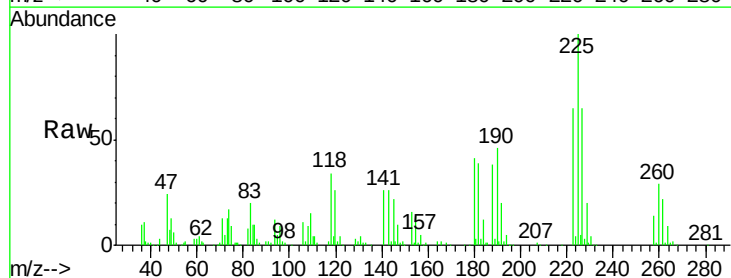


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

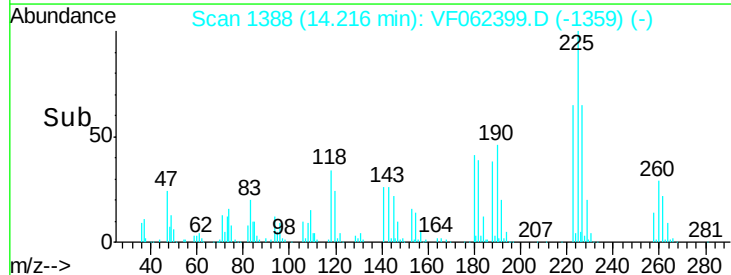
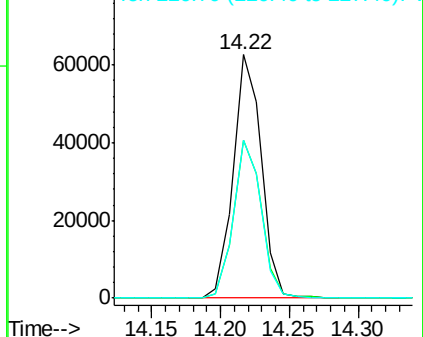


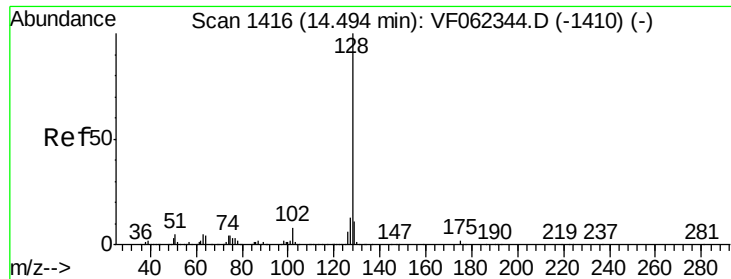
#94
Hexachlorobutadiene
Concen: 21.224 ug/l
RT: 14.22 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89556		
223	64.4	31.9	95.5	
227	63.6	33.1	99.5	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





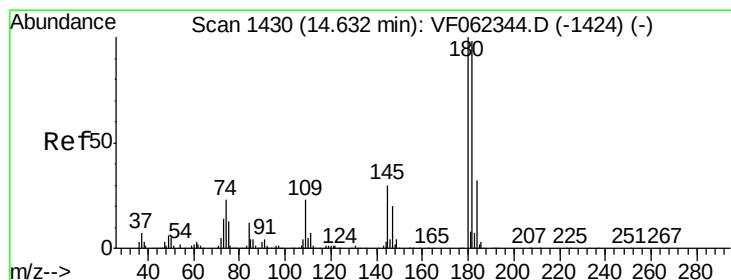
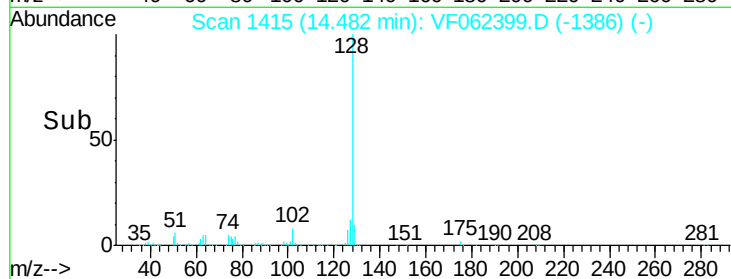
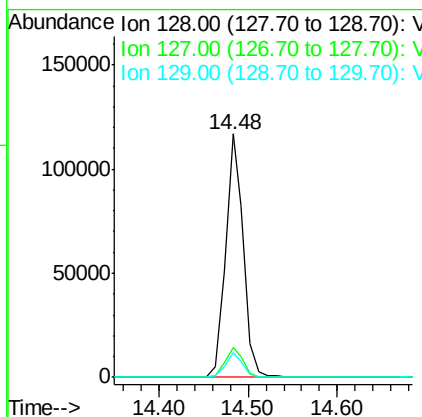
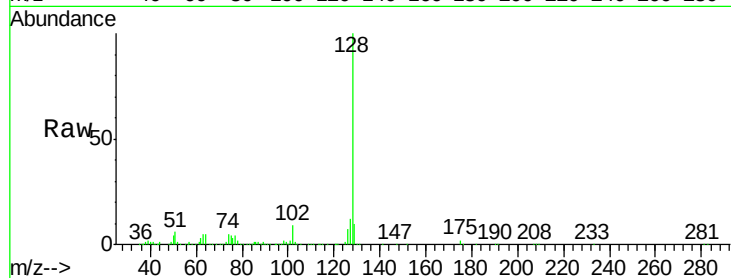
#95
Naphthalene
Concen: 19.357 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Instrument :
MSVOA_F
ClientSampleId :
VF0509SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	164758		
127	12.5		10.5	15.7
129	10.0		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/10/2019 11:03:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.087 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.00 min
Lab File: VF062399.D
Acq: 9 May 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	115657		
182	98.0		49.4	148.0
145	28.7		14.8	44.3

