

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062190.D
 Acq On : 17 Apr 2019 17:11
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:05 AM

Quant Time: Apr 18 07:46:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	388689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	557339	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	413113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	237712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	19655	3.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.60%	
35) Dibromofluoromethane	4.30	113	28246	7.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.78%	
50) Toluene-d8	7.70	98	69869	5.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.02%	
62) 4-Bromofluorobenzene	11.48	95	28936	5.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.70%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.00	85	32701	7.015	ug/l	99
3) Chloromethane	1.14	50	34701	6.177	ug/l	92
4) Vinyl Chloride	1.19	62	28128	5.264	ug/l #	77
5) Bromomethane	1.39	94	17103	4.864	ug/l	95
6) Chloroethane	1.44	64	12840	4.257	ug/l #	79
7) Trichlorofluoromethane	1.56	101	37715	5.942	ug/l	96
8) Diethyl Ether	1.70	74	7824	2.955	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.91	101	25312	6.152	ug/l	94
10) Methyl Iodide	1.99	142	42622	8.960	ug/l #	86
11) Tert butyl alcohol	2.69	59	7251	7.031	ug/l #	92
12) 1,1-Dichloroethene	1.87	96	24462	5.799	ug/l	92
13) Acrolein	2.10	56	6025	7.009	ug/l #	57
14) Allyl chloride	2.19	41	28893	3.446	ug/l	97
15) Acrylonitrile	3.08	53	22261	8.193	ug/l	98
16) Acetone	2.35	43	25364	10.061	ug/l	99
17) Carbon Disulfide	1.91	76	60947	4.670	ug/l #	94
18) Methyl Acetate	2.46	43	20121	3.176	ug/l #	86
19) Methyl tert-butyl Ether	2.54	73	42050	3.061	ug/l	96
20) Methylene Chloride	2.34	84	45894m	9.473	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	24366	5.453	ug/l	94
22) Diisopropyl ether	2.93	45	71709	4.240	ug/l	98
23) Vinyl Acetate	3.33	43	160808	11.472	ug/l	97
24) 1,1-Dichloroethane	3.01	63	37579	4.385	ug/l	97
25) 2-Butanone	4.51	43	50763	12.457	ug/l	99
26) 2,2-Dichloropropane	3.76	77	20880	3.403	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	30538	5.876	ug/l	98
28) Bromochloromethane	3.89	49	18391	4.589	ug/l #	94
29) Tetrahydrofuran	4.26	42	22043	8.217	ug/l	94
30) Chloroform	4.03	83	49580	6.128	ug/l	94
31) Cyclohexane	3.86	56	48130	5.538	ug/l	92
32) 1,1,1-Trichloroethane	4.27	97	37005	5.842	ug/l #	81
36) 1,1-Dichloropropene	4.46	75	38365	6.421	ug/l	94
37) Ethyl Acetate	4.30	43	18575	2.779	ug/l #	98
38) Carbon Tetrachloride	4.17	117	31818	6.373	ug/l #	82

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 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	45634	6.324	ug/l	95
40) Benzene	4.81	78	101664	5.933	ug/l	98
41) Methacrylonitrile	4.92	41	11358	2.939	ug/l #	61
42) 1,2-Dichloroethane	5.12	62	24869	4.263	ug/l #	74
43) Isopropyl Acetate	7.11	43	20382	1.936	ug/l	98
44) Trichloroethene	5.67	130	26488	6.162	ug/l	95
45) 1,2-Dichloropropane	6.40	63	21403	4.671	ug/l	94
46) Dibromomethane	6.25	93	13556	4.936	ug/l	99
47) Bromodichloromethane	6.53	83	31865	5.845	ug/l #	95
48) Methyl methacrylate	6.87	41	13030	2.466	ug/l	99
49) 1,4-Dioxane	6.87	88	3111	31.771	ug/l	88
51) 4-Methyl-2-Pentanone	8.39	43	75147	11.108	ug/l	100
52) Toluene	7.77	92	51563	5.094	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	23689	4.039	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	33109	4.899	ug/l	91
55) 1,1,2-Trichloroethane	8.62	97	13644	3.577	ug/l	93
56) Ethyl methacrylate	8.74	69	16781	2.576	ug/l #	84
57) 1,3-Dichloropropane	8.98	76	22640	3.368	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.43	63	20817	6.120	ug/l	99
59) 2-Hexanone	9.61	43	52709	10.212	ug/l	94
60) Dibromochloromethane	8.84	129	20781	5.389	ug/l	95
61) 1,2-Dibromoethane	9.12	107	15629	3.938	ug/l	93
64) Tetrachloroethene	8.29	164	21276	6.525	ug/l	93
65) Chlorobenzene	9.92	112	45544	5.123	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.04	131	24485	7.511	ug/l	98
67) Ethyl Benzene	10.01	91	97245	6.075	ug/l	96
68) m/p-Xylenes	10.24	106	68993	11.846	ug/l	92
69) o-Xylene	10.80	106	38055	6.517	ug/l	92
70) Styrene	10.88	104	55308	5.716	ug/l	98
71) Bromoform	10.87	173	13095	5.462	ug/l #	96
73) Isopropylbenzene	11.21	105	117442	6.329	ug/l	97
74) N-amyl acetate	11.44	43	36095	3.817	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	20190	3.291	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	13810	2.605	ug/l #	64
77) Bromobenzene	11.57	156	24130	5.290	ug/l	96
78) n-propylbenzene	11.66	91	131907	6.348	ug/l	97
79) 2-Chlorotoluene	11.79	91	74821	5.922	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	101395	6.538	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.93	75	7565m	3.646	ug/l	
82) 4-Chlorotoluene	11.97	91	75424	5.309	ug/l	99
83) tert-Butylbenzene	12.19	119	101565	6.707	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	100385	6.436	ug/l	95
85) sec-Butylbenzene	12.36	105	134698	7.342	ug/l	98
86) p-Isopropyltoluene	12.51	119	114573	6.923	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	49541	6.191	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	46925	5.797	ug/l	94
89) n-Butylbenzene	12.89	91	119741	7.880	ug/l	97
90) Hexachloroethane	12.96	117	27889	9.190	ug/l	93
91) 1,2-Dichlorobenzene	12.99	146	47890	6.066	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.68	75	4376	3.170	ug/l	84

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Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

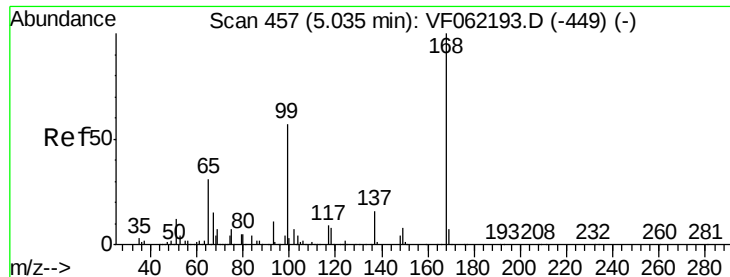
Manual Integrations
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4/19/2019 10:53:05 AM

Quant Time: Apr 18 07:46:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 06:46:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	38871	6.665	ug/l	98
94) Hexachlorobutadiene	14.22	225	24410	7.786	ug/l	99
95) Naphthalene	14.49	128	65222	3.800	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	35899	6.199	ug/l	99

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



#1

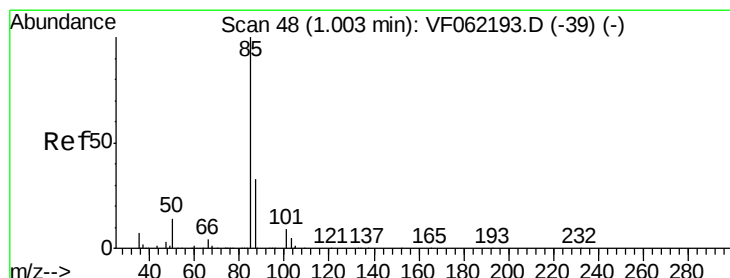
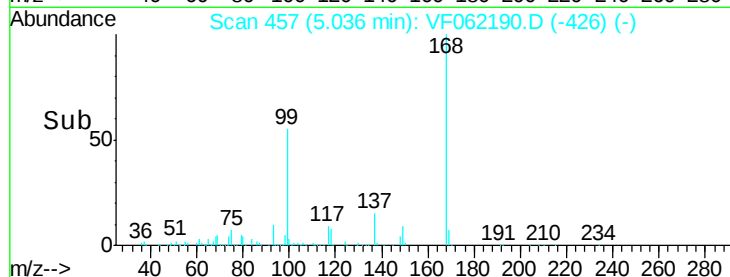
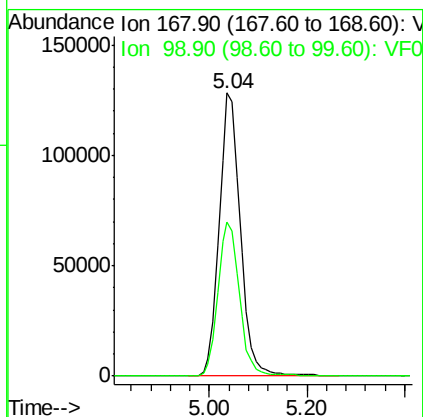
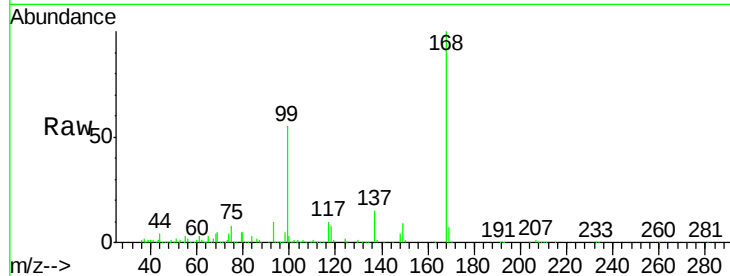
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.04 min Scan# 457
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.5	45.5	68.3

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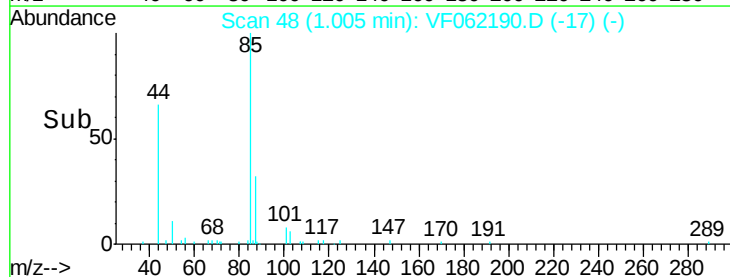
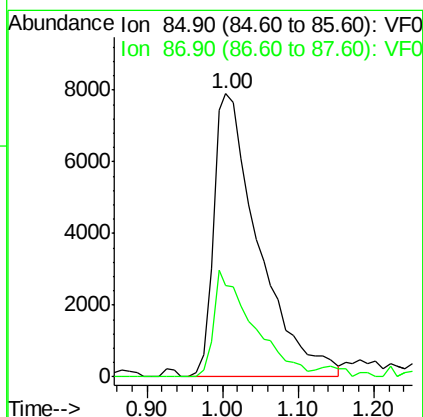
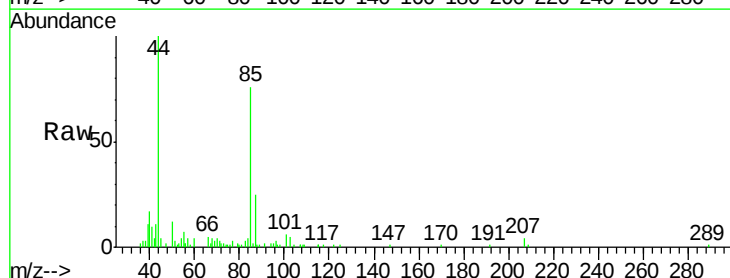
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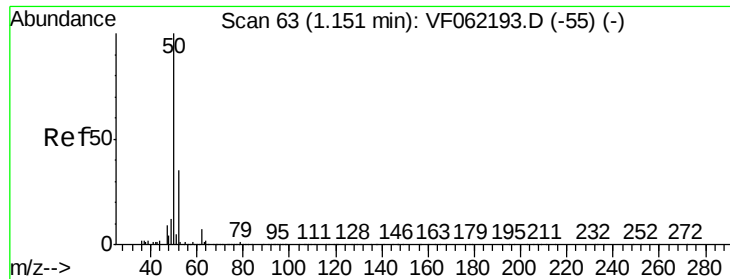


#2

Dichlorodifluoromethane
Concen: 7.015 ug/l
RT: 1.00 min Scan# 48
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.4	49.1





#3

Chloromethane

Concen: 6.177 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 34701

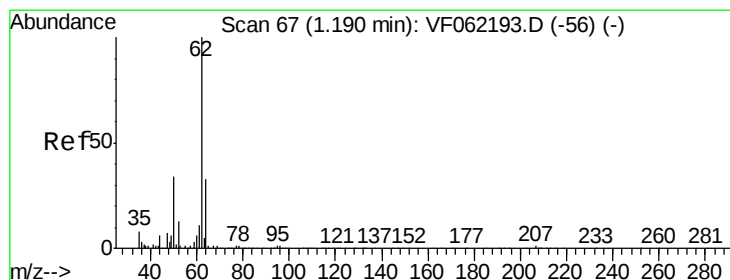
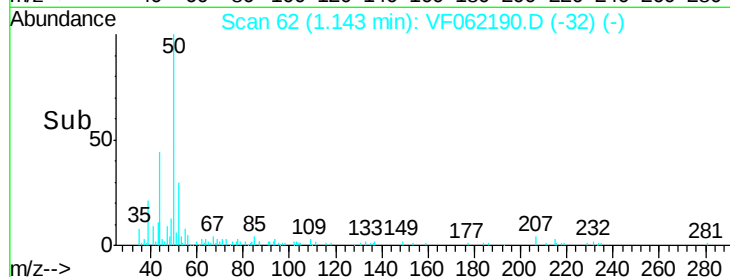
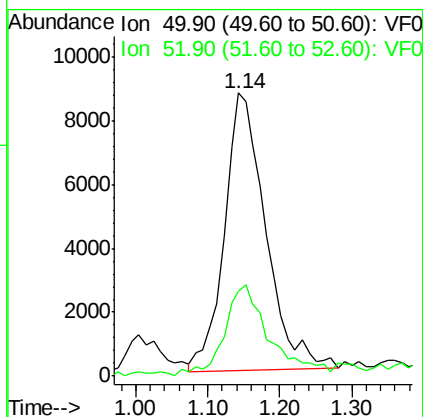
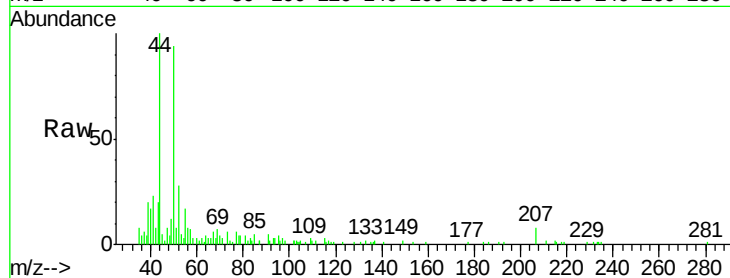
Ion Ratio Lower Upper

50 100

52 29.3 27.0 40.4

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#4

Vinyl Chloride

Concen: 5.264 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062190.D

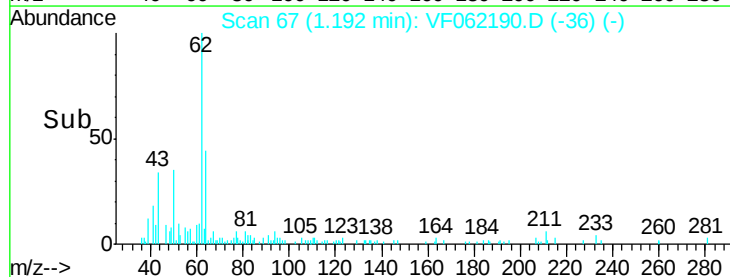
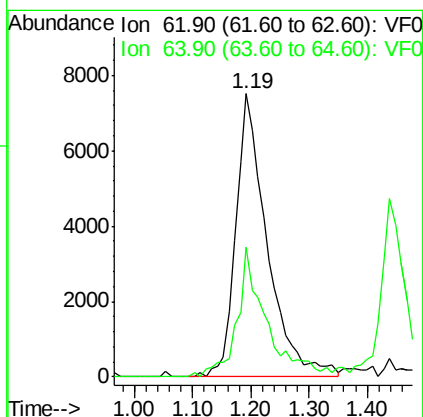
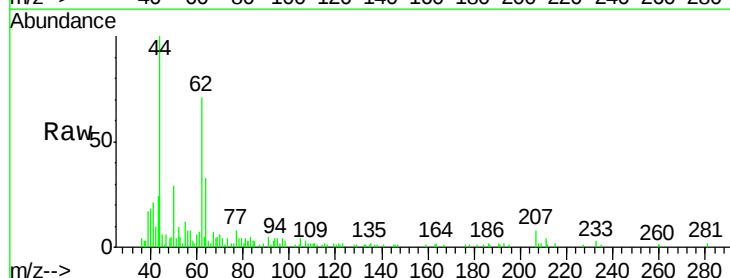
Acq: 17 Apr 2019 17:11

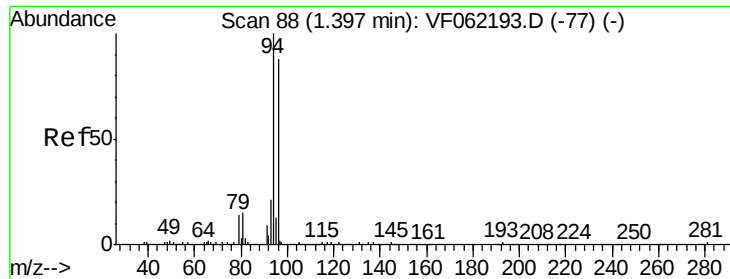
Tgt Ion: 62 Resp: 28128

Ion Ratio Lower Upper

62 100

64 45.9 26.2 39.4#





#5

Bromomethane

Concen: 4.864 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 17103

Ion Ratio Lower Upper

94 100

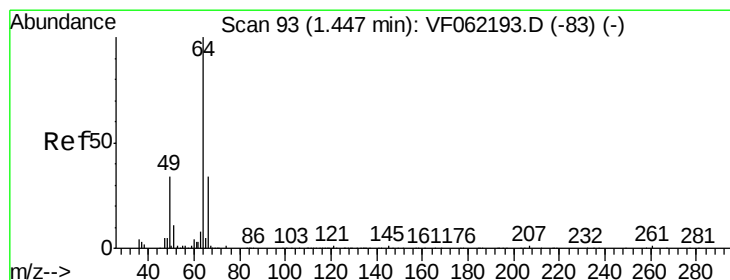
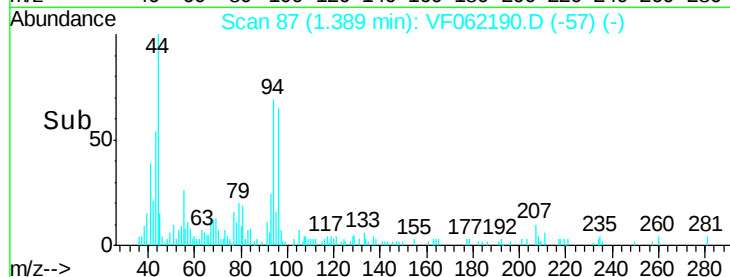
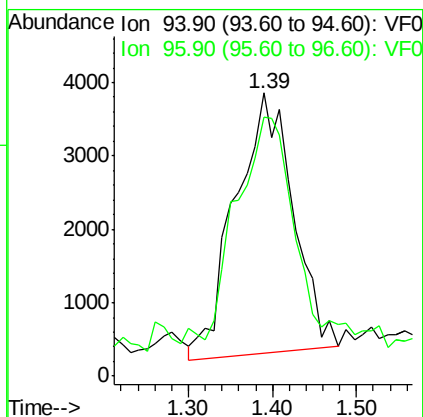
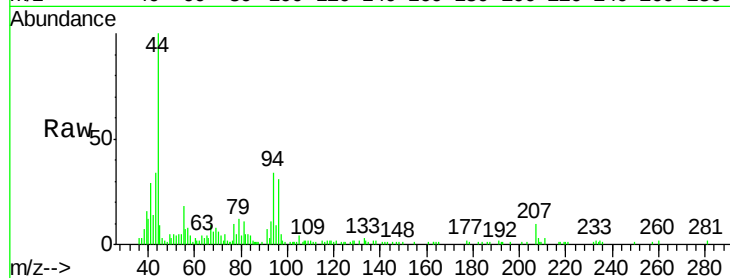
96 83.0 70.2 105.4

Manual Integrations

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#6

Chloroethane

Concen: 4.257 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062190.D

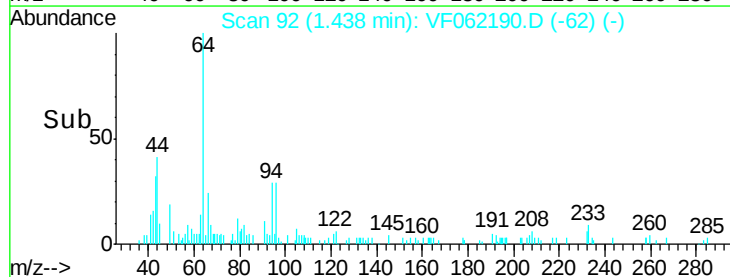
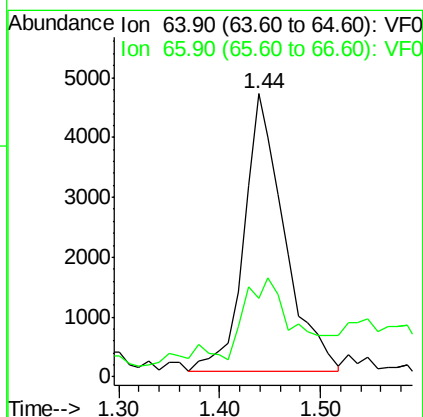
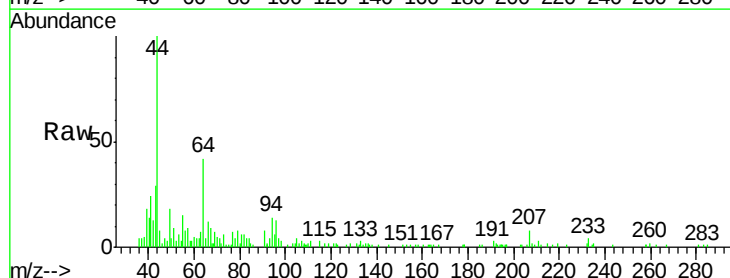
Acq: 17 Apr 2019 17:11

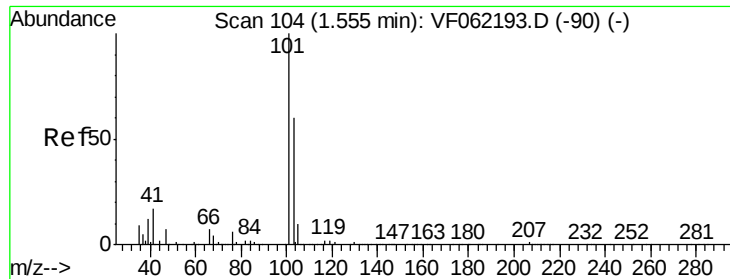
Tgt Ion: 64 Resp: 12840

Ion Ratio Lower Upper

64 100

66 21.6 27.0 40.4#





#7

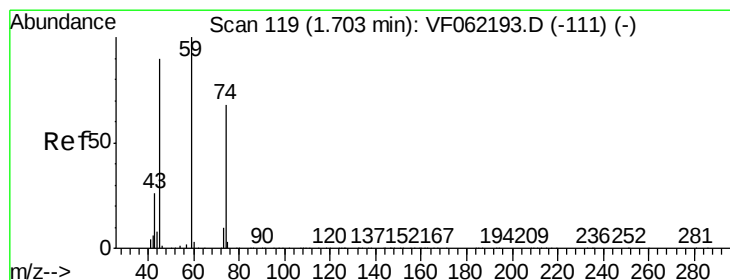
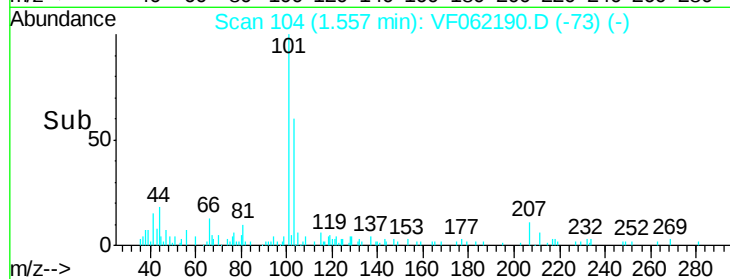
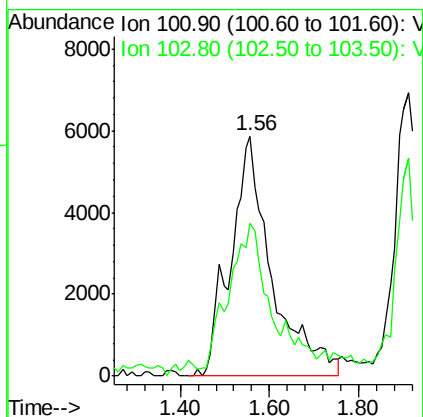
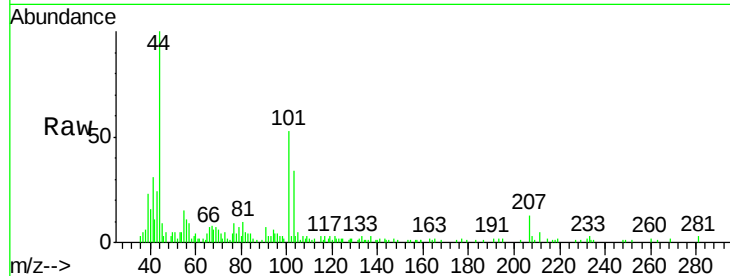
Trichlorofluoromethane
Concen: 5.942 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.0	48.2	72.4

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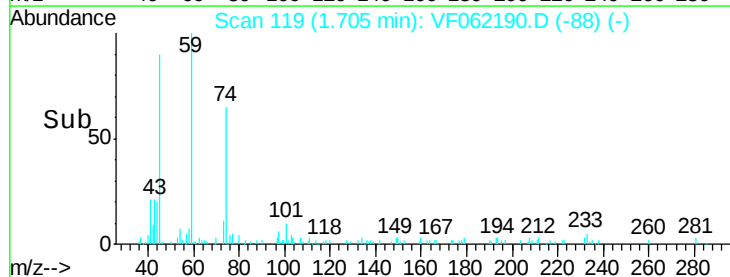
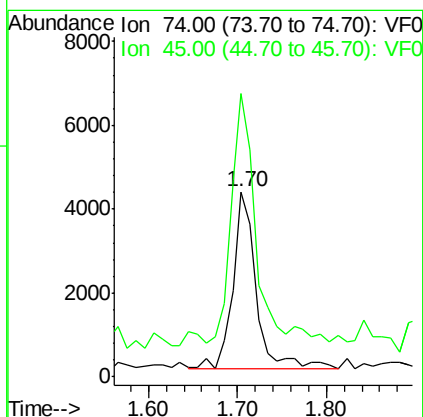
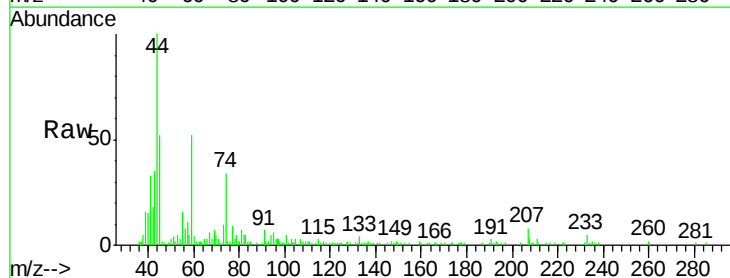
MMDadoda
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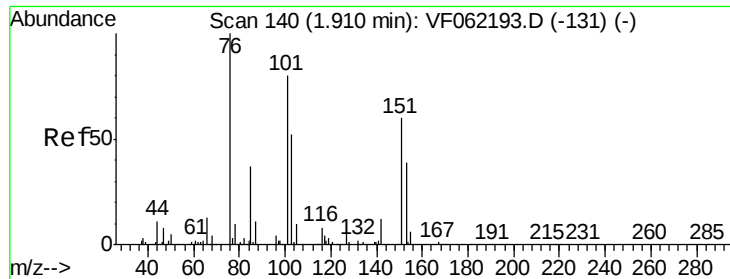


#8

Diethyl Ether
Concen: 2.955 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.6	70.0	210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.152 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

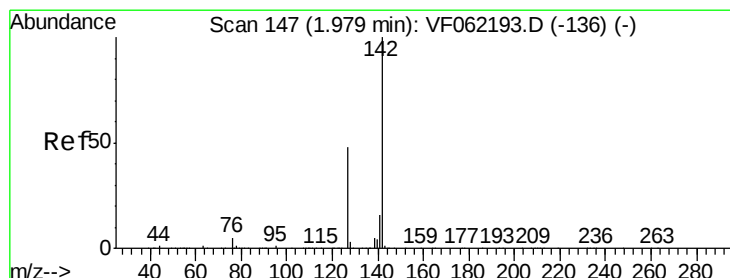
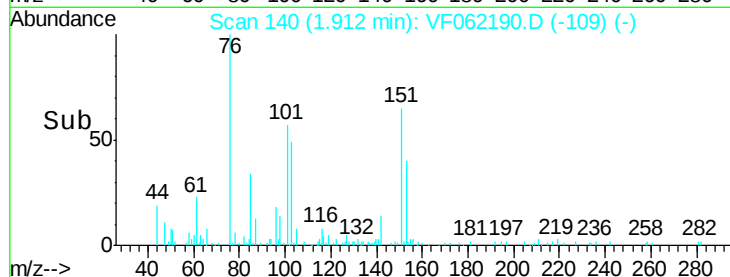
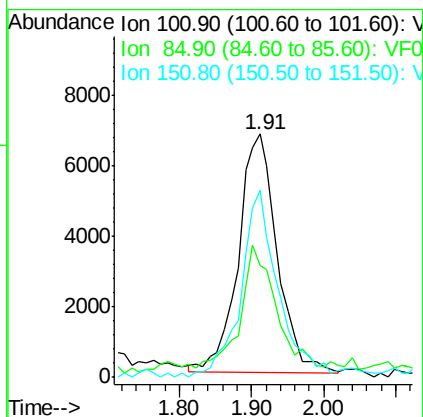
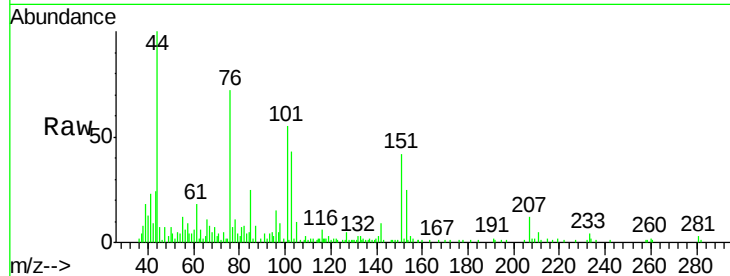
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	25312
Ion Ratio	Lower	Upper	
101	100		
85	49.1	35.3	52.9
151	76.4	57.5	86.3

Manual Integrations
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#10

Methyl Iodide

Concen: 8.960 ug/l

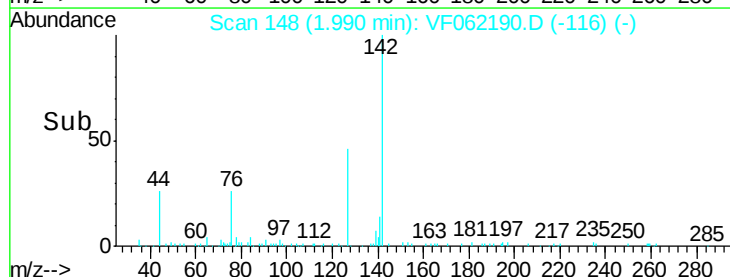
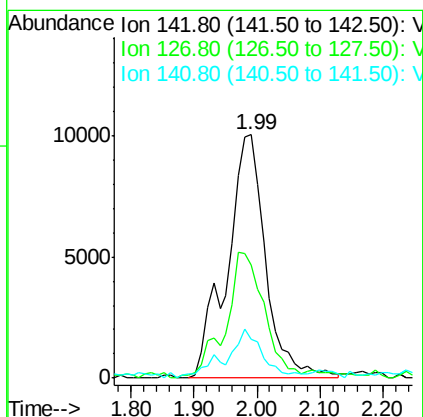
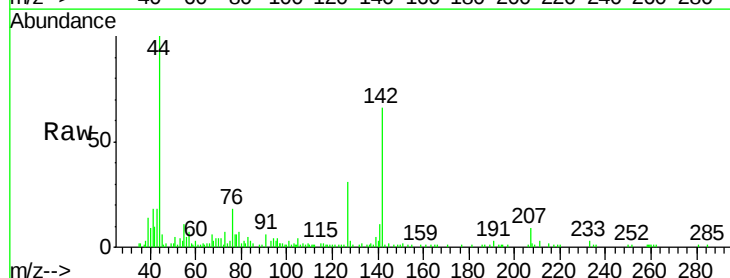
RT: 1.99 min Scan# 148

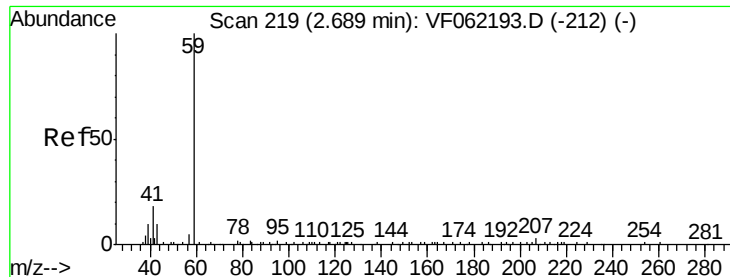
Delta R.T. 0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion:	142	Resp:	42622
Ion Ratio	Lower	Upper	
142	100		
127	51.5	33.0	49.4#
141	12.9	12.7	19.1





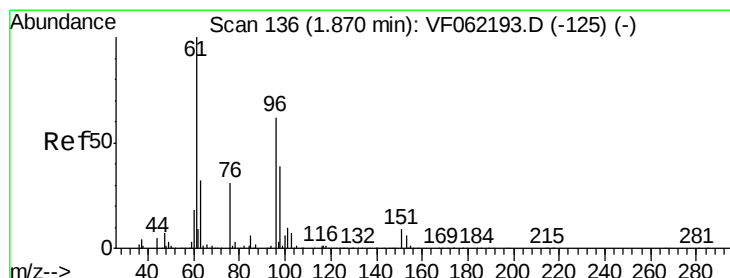
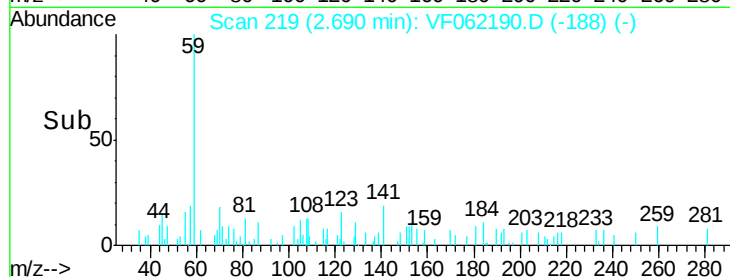
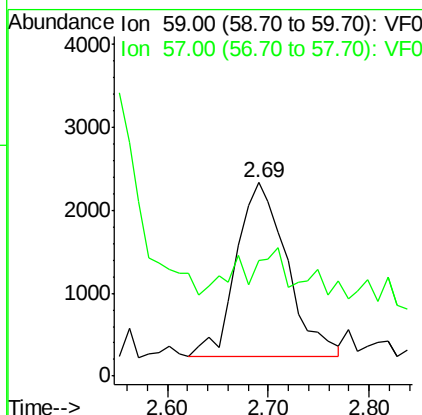
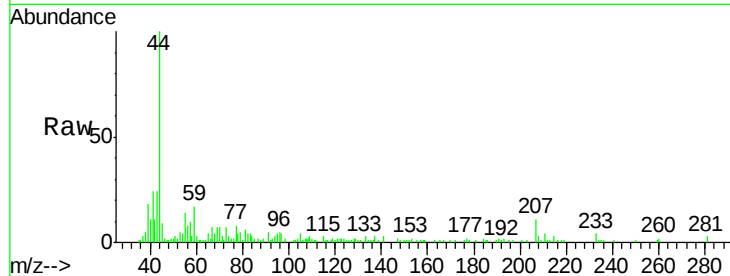
#11
Tert butyl alcohol
Concen: 7.031 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	9.3	13.9#

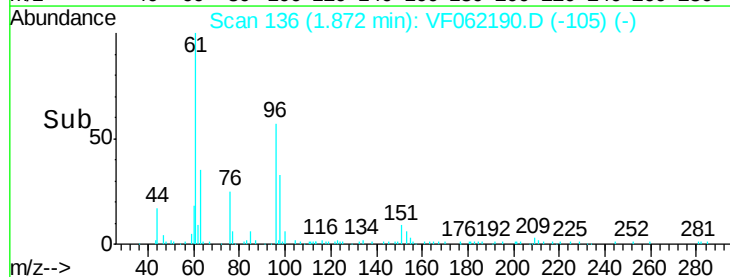
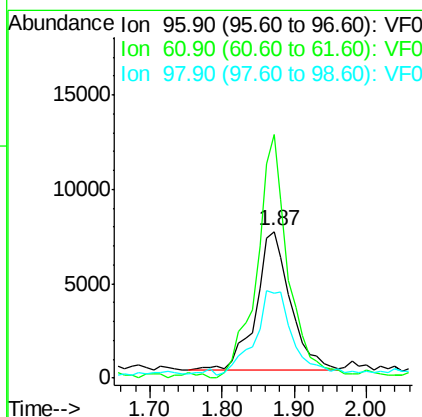
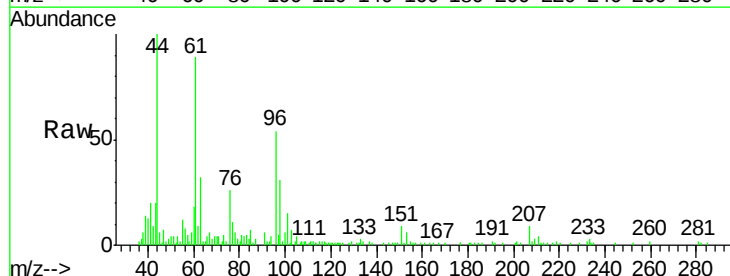
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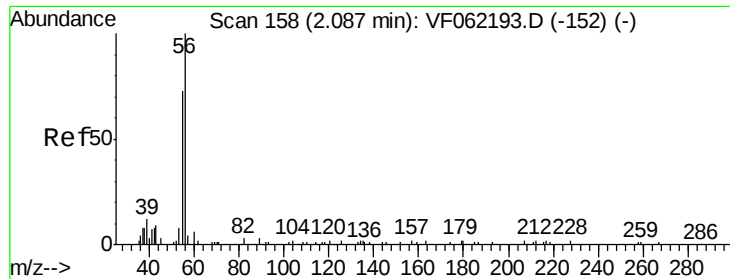
MMDadoda
4/19/2019 10:53:05 AM



#12
1,1-Dichloroethene
Concen: 5.799 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.2	129.1	193.7
98	58.0	50.0	75.0





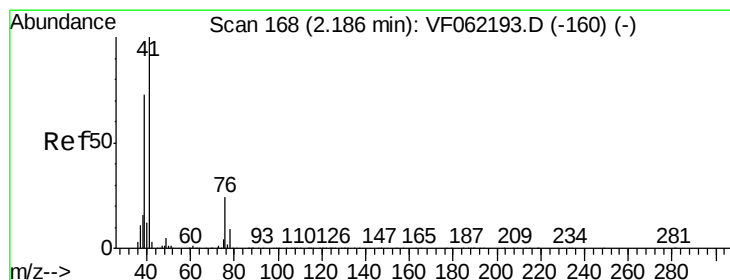
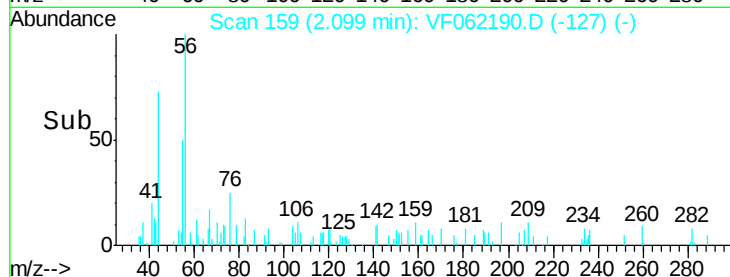
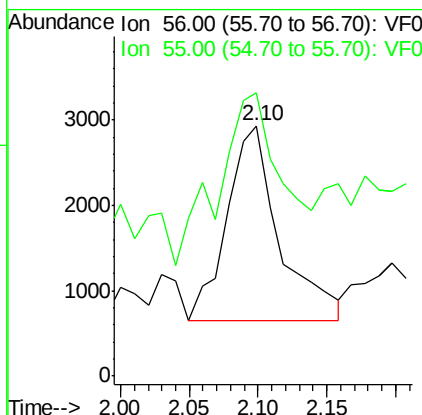
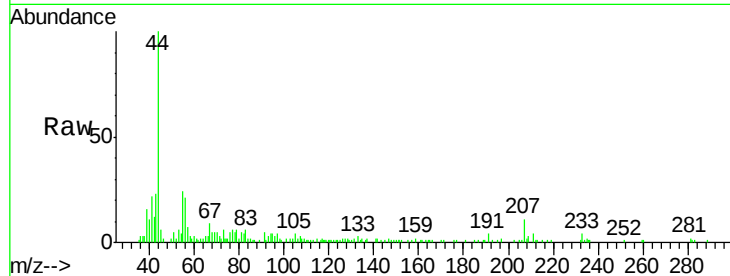
#13
Acrolein
Concen: 7.009 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	107.6	57.4	86.0#

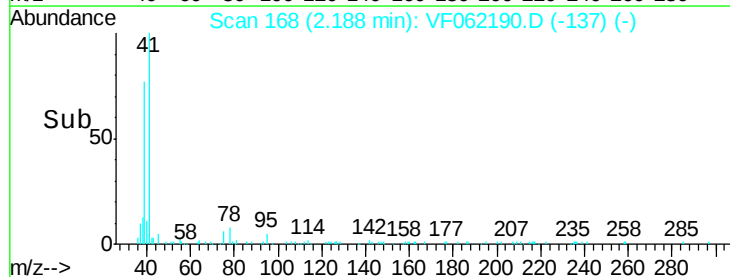
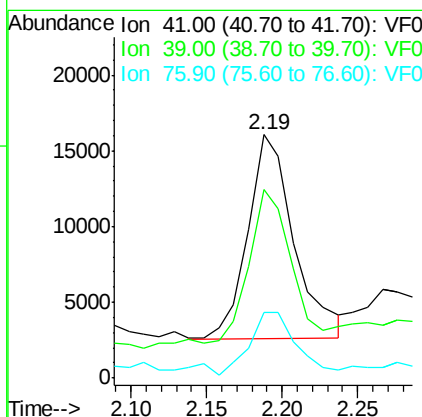
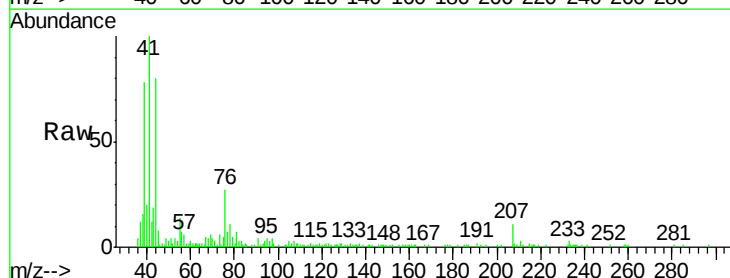
Manual Integrations
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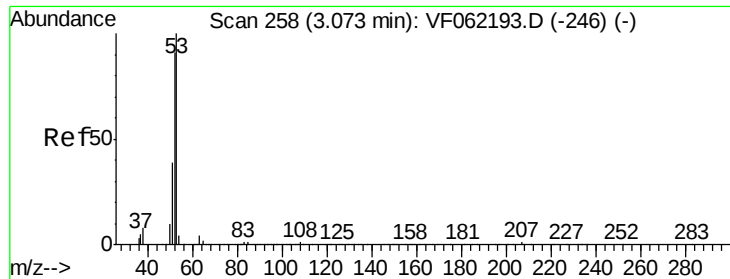
MMDadoda
4/19/2019 10:53:05 AM



#14
Allyl chloride
Concen: 3.446 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.6	60.0	90.0
76	30.3	20.6	30.8





#15

Acrylonitrile

Concen: 8.193 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

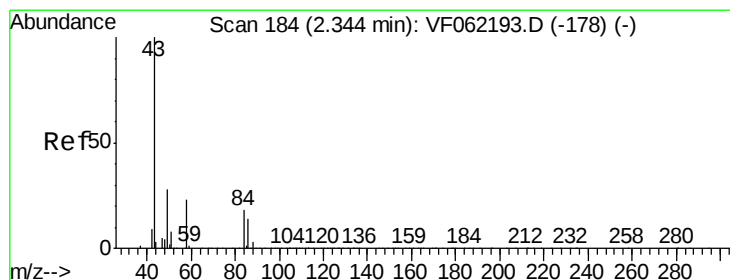
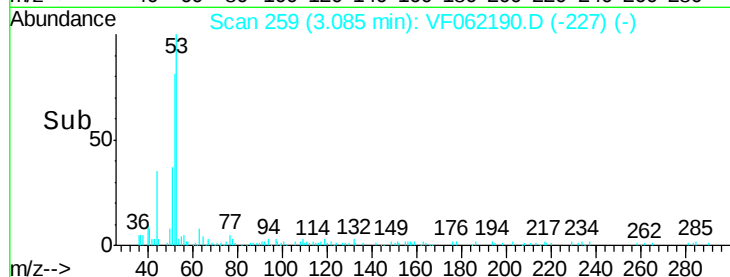
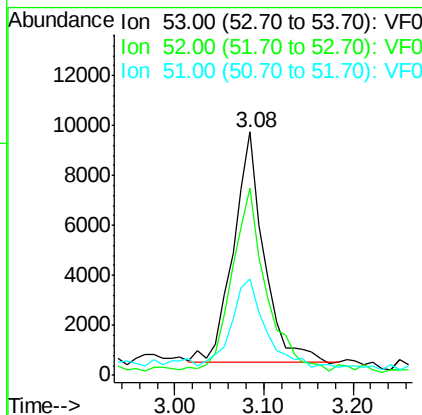
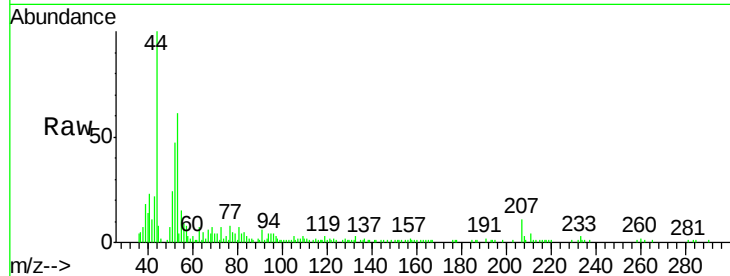
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	22261
Ion	Ratio	Lower	Upper
53	100		
52	87.1	69.5	104.3
51	43.0	31.8	47.8

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#16

Acetone

Concen: 10.061 ug/l

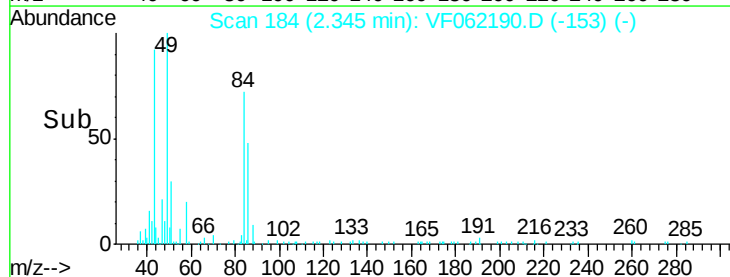
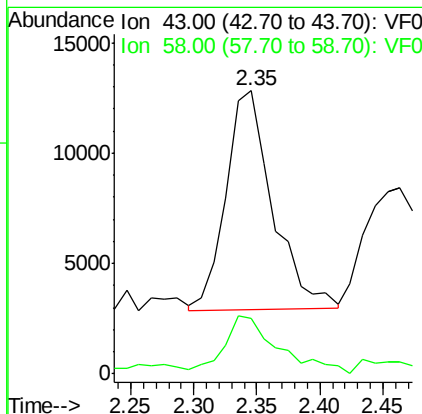
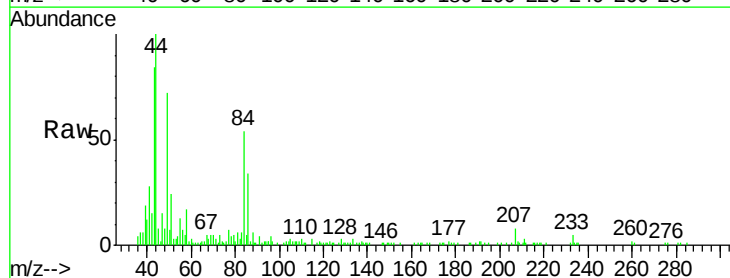
RT: 2.35 min Scan# 184

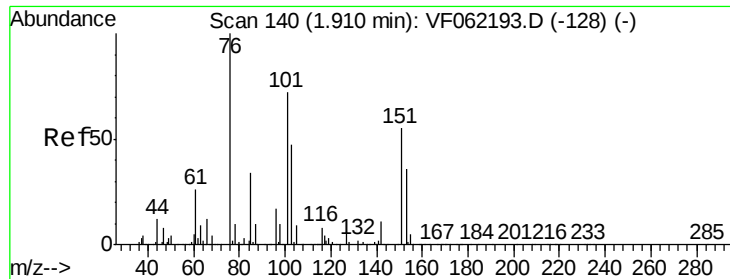
Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion:	43	Resp:	25364
Ion	Ratio	Lower	Upper
43	100		
58	23.9	18.8	28.2





#17

Carbon Disulfide

Concen: 4.670 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 60947

Ion Ratio Lower Upper

76 100

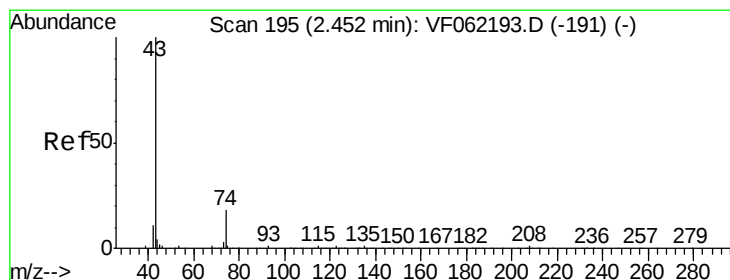
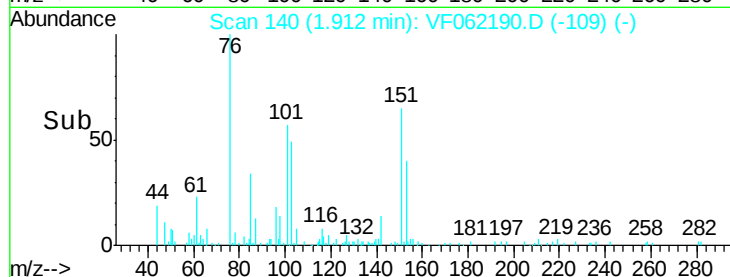
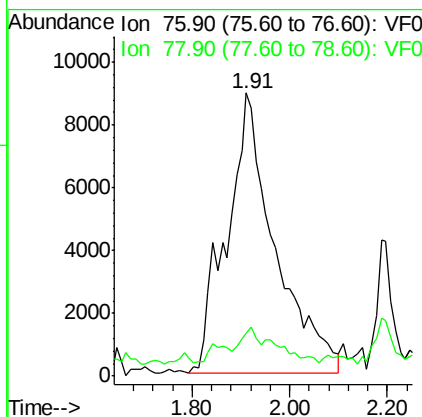
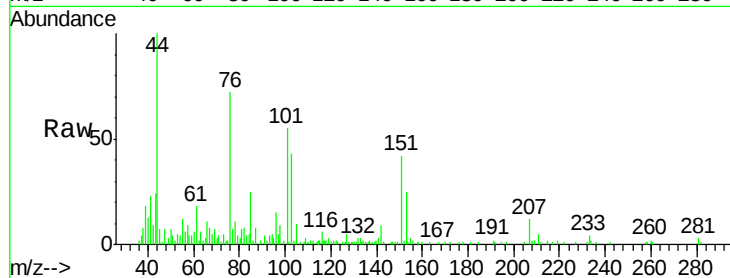
78 8.5 8.7 13.1#

Manual Integrations

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#18

Methyl Acetate

Concen: 3.176 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF062190.D

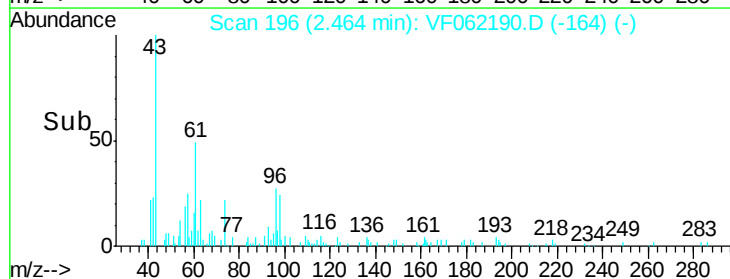
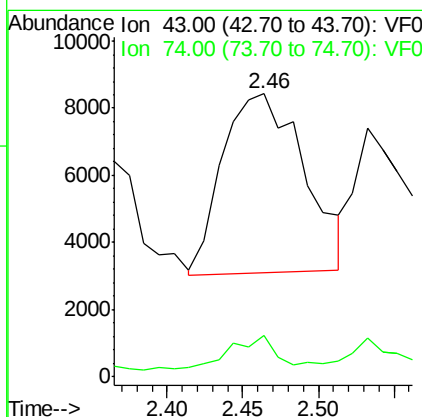
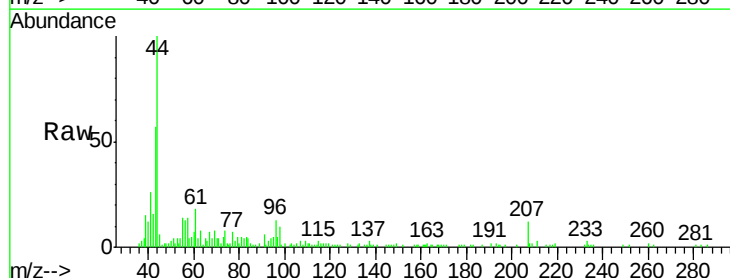
Acq: 17 Apr 2019 17:11

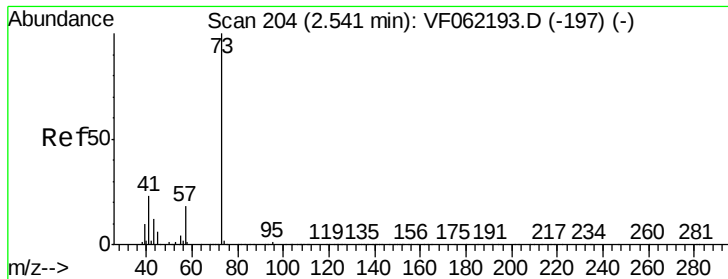
Tgt Ion: 43 Resp: 20121

Ion Ratio Lower Upper

43 100

74 12.1 14.5 21.7#





#19

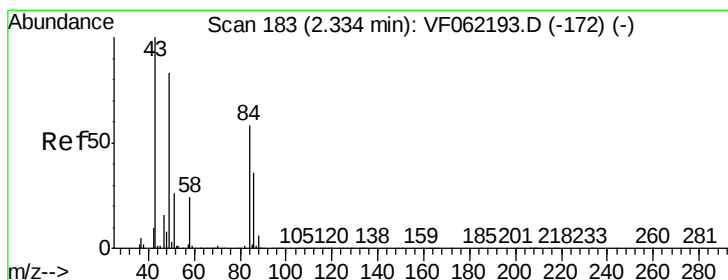
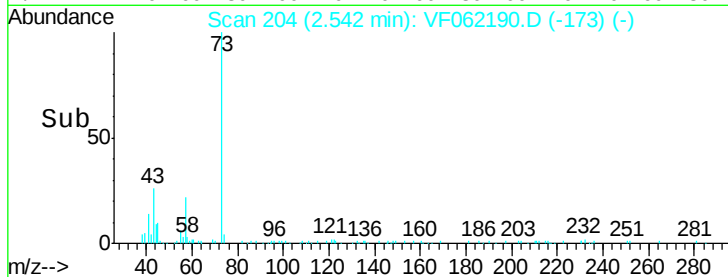
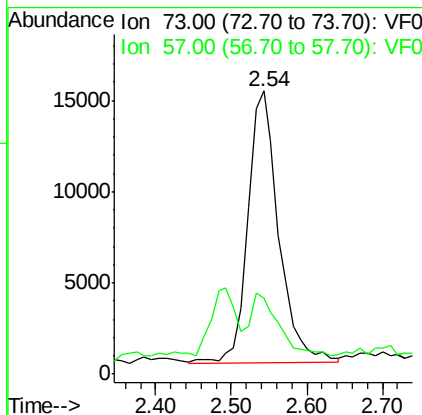
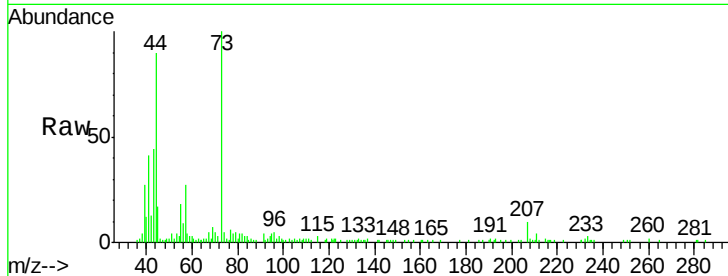
Methvl tert-butvl Ether
 Concen: 3.061 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	15.1	22.7

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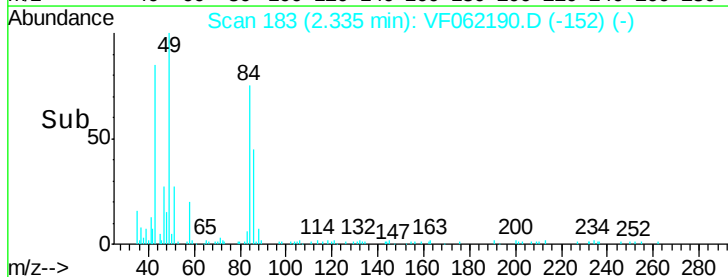
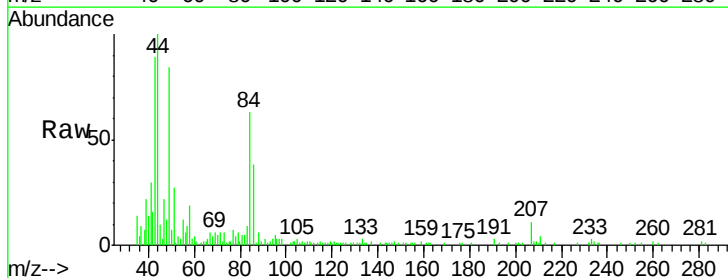
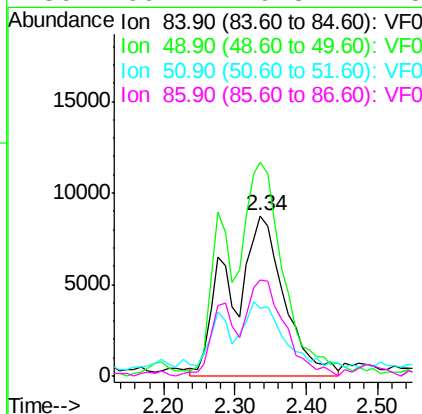
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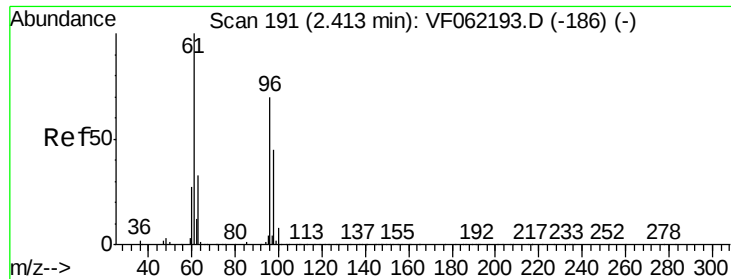


#20

Methylene Chloride
 Concen: 9.473 ug/l m
 RT: 2.34 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.2	114.0	171.0
51	42.0	37.0	55.4
86	60.2	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 5.453 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

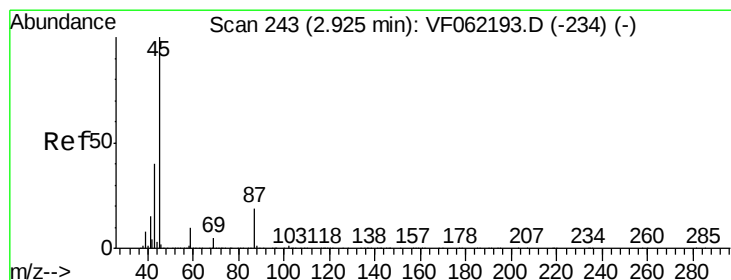
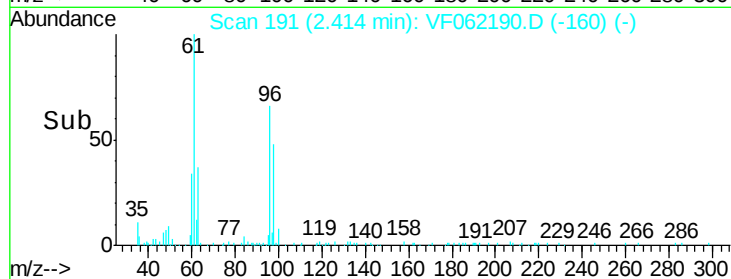
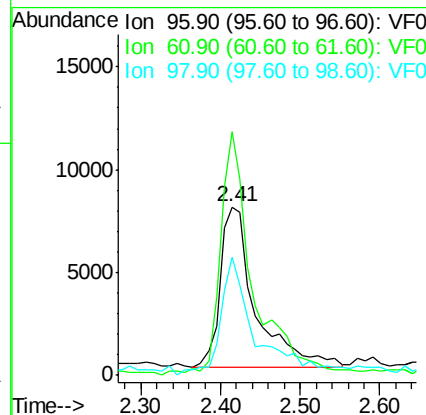
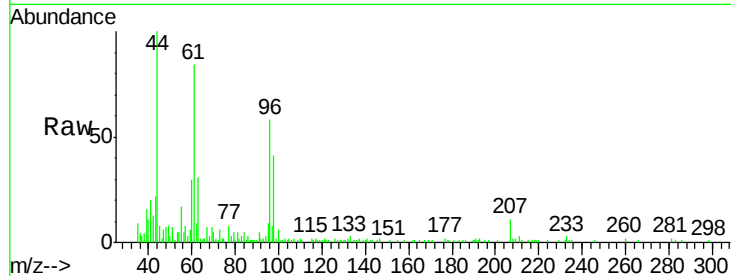
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	24366
Ion	Ratio	Lower	Upper
96	100		
61	149.0	114.6	172.0
98	70.4	51.2	76.8

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#22

Diisopropyl ether

Concen: 4.240 ug/l

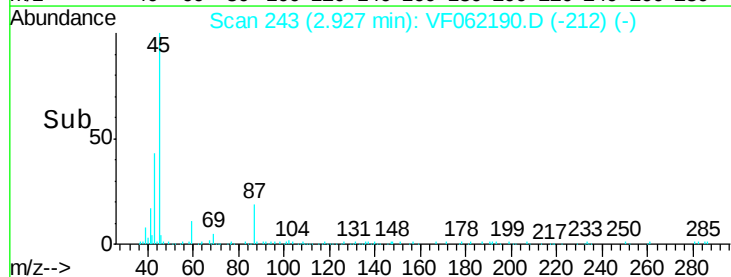
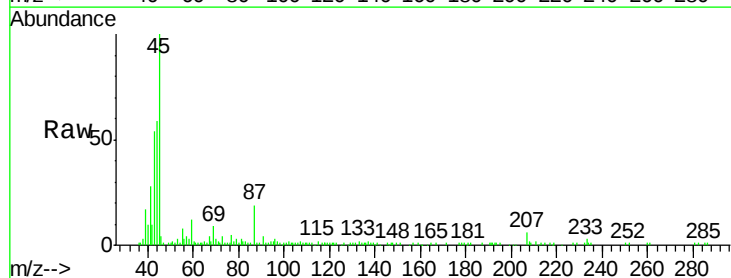
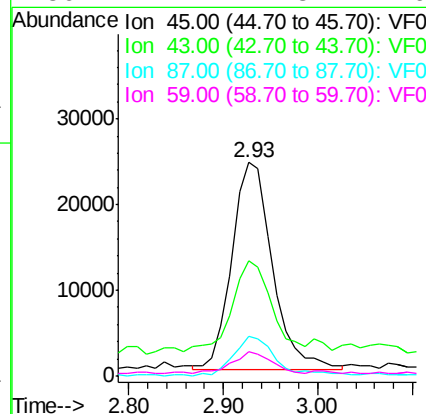
RT: 2.93 min Scan# 243

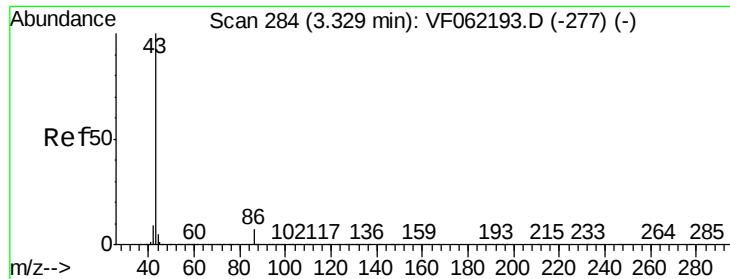
Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion:	45	Resp:	71709
Ion	Ratio	Lower	Upper
45	100		
43	42.1	32.8	49.2
87	19.5	15.2	22.8
59	11.2	7.8	11.6





#23

Vinyl Acetate

Concen: 11.472 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 160808

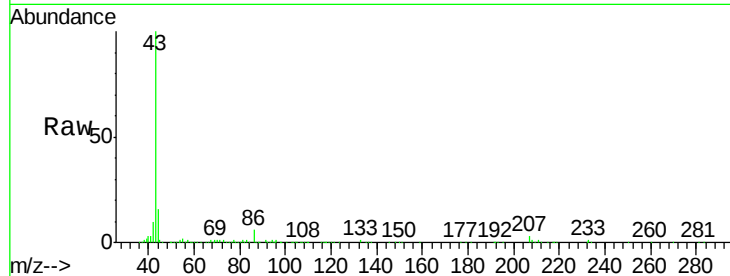
Ion Ratio Lower Upper

43 100

86 6.3 5.9 8.9

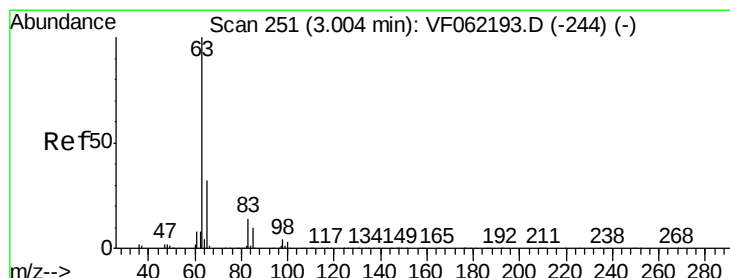
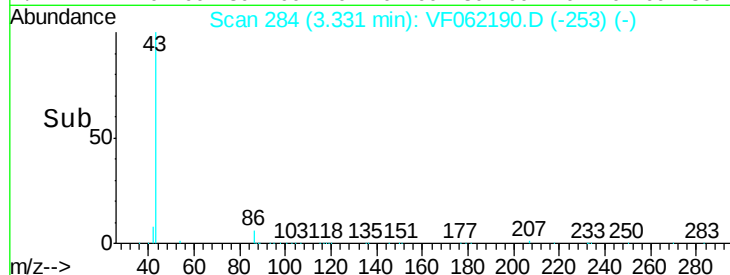
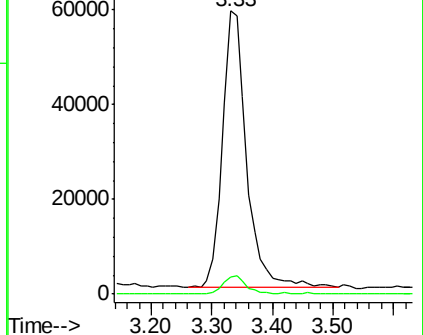
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 4.385 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

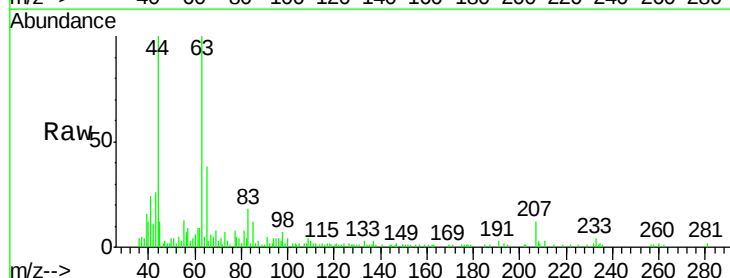
Tgt Ion: 63 Resp: 37579

Ion Ratio Lower Upper

63 100

98 5.5 2.3 6.8

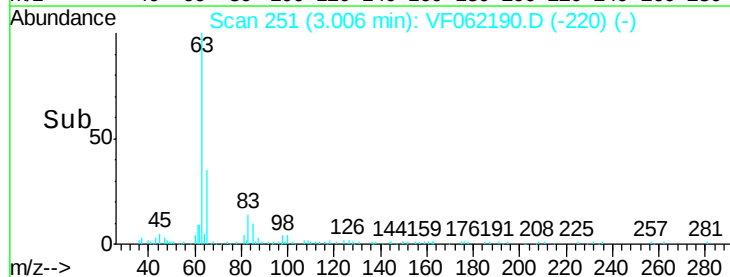
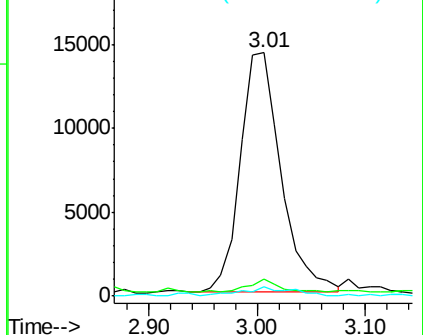
100 4.1 1.7 5.0

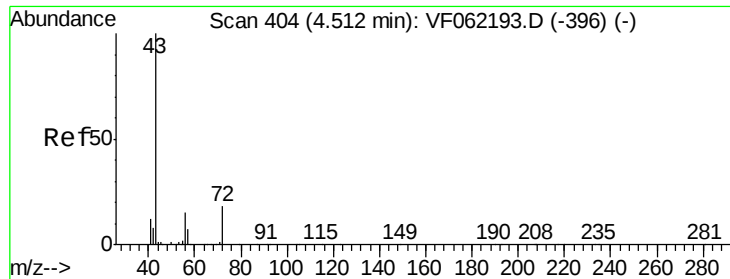


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 12.457 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 50763

Ion Ratio Lower Upper

43 100

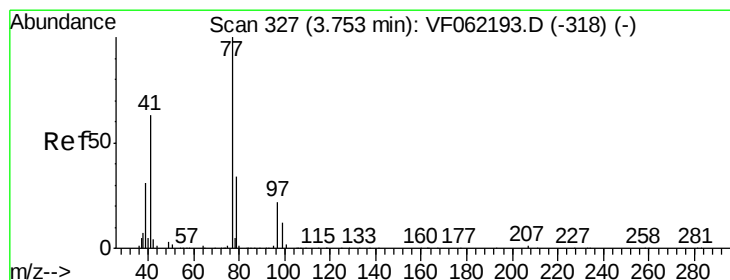
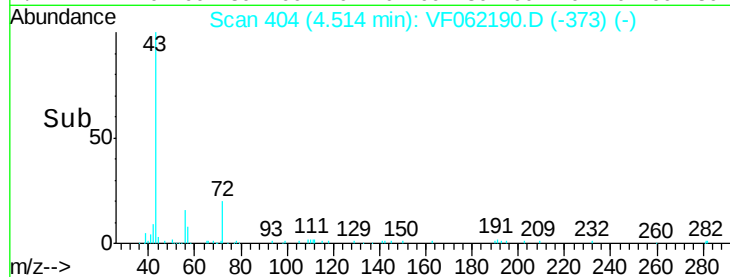
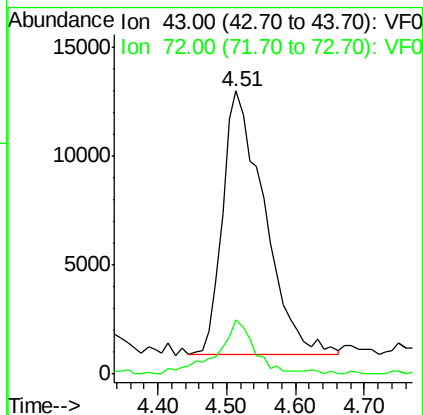
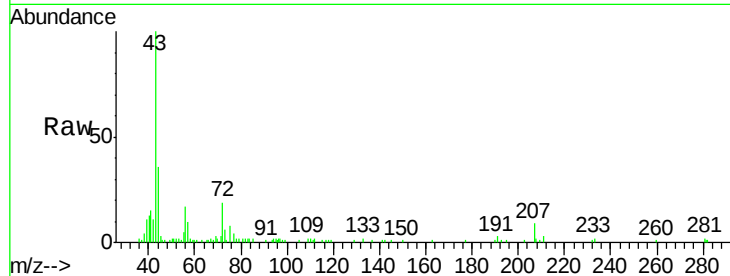
72 20.4 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 3.403 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF062190.D

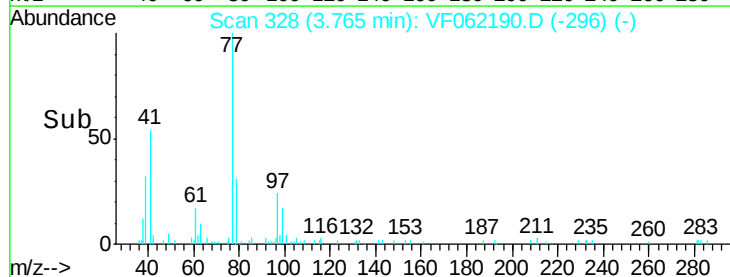
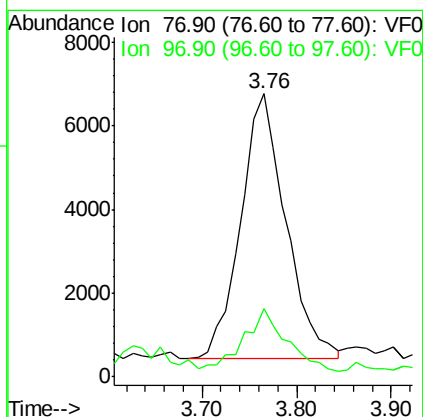
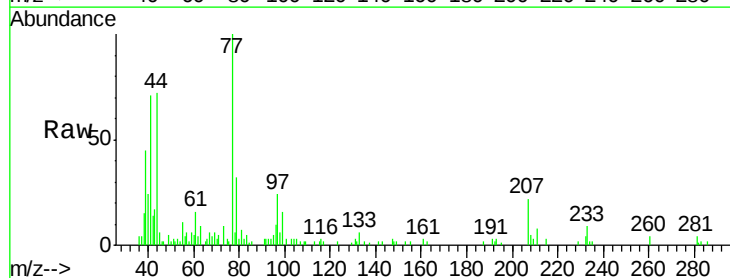
Acq: 17 Apr 2019 17:11

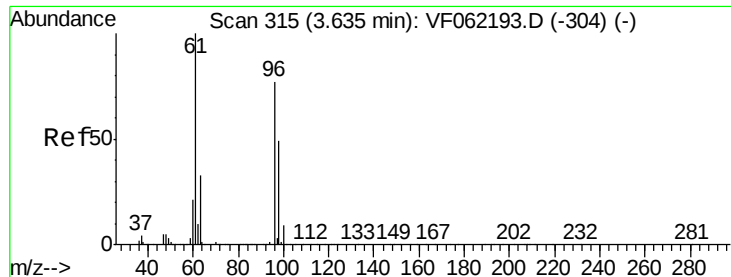
Tgt Ion: 77 Resp: 20880

Ion Ratio Lower Upper

77 100

97 22.9 11.1 33.3





#27

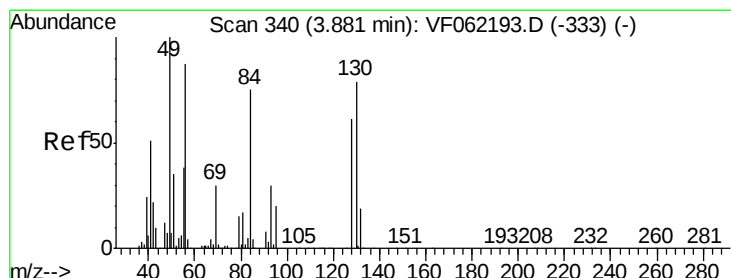
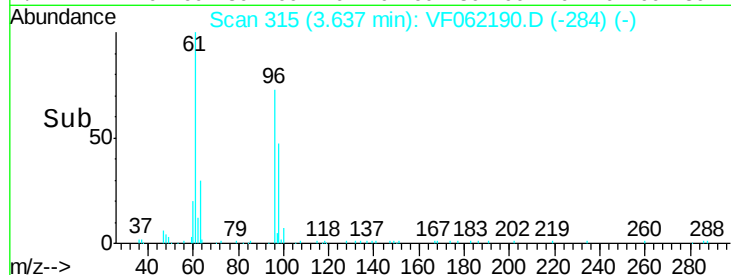
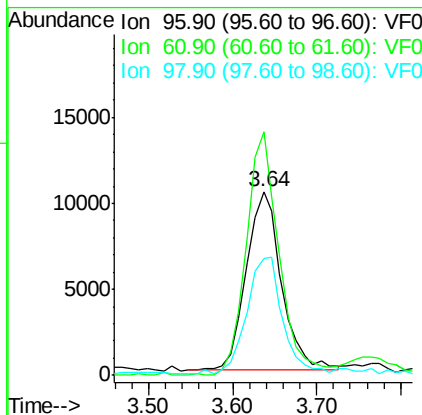
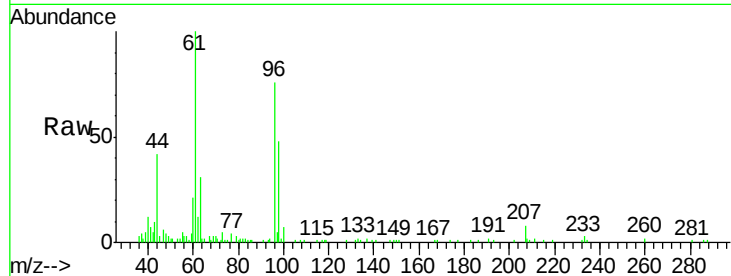
cis-1,2-Dichloroethene
Concen: 5.876 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	30538		
61	127.0		0.0	253.6
98	65.8		0.0	124.8

Manual Integrations
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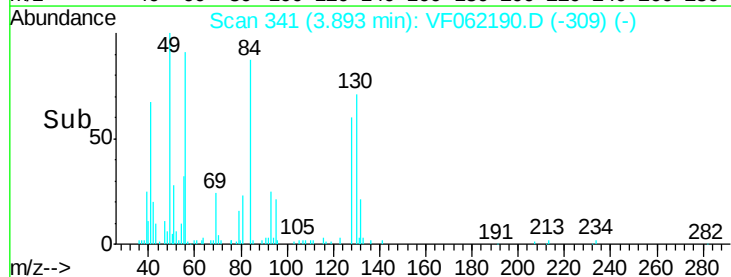
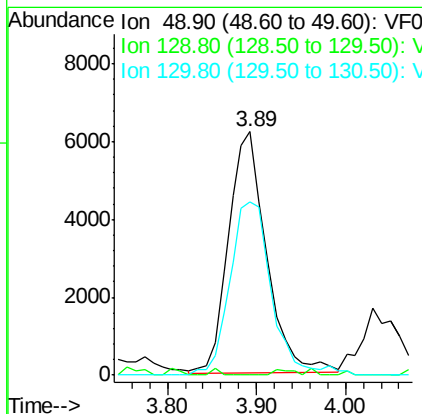
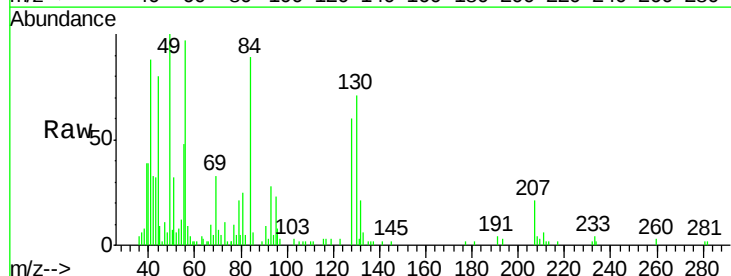
MMDadoda
4/19/2019 10:53:05 AM

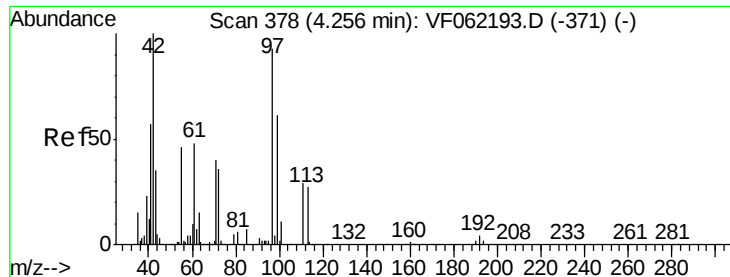


#28

Bromochloromethane
Concen: 4.589 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	18391		
129	0.0		0.0	0.0
130	77.6		66.6	100.0





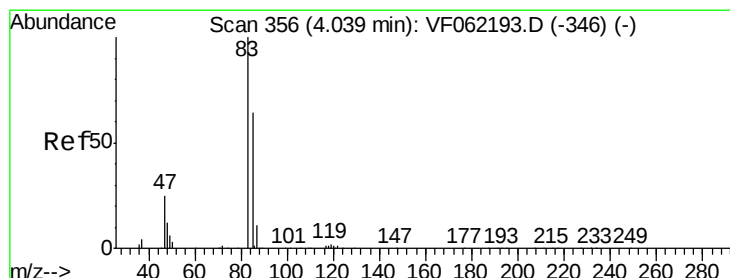
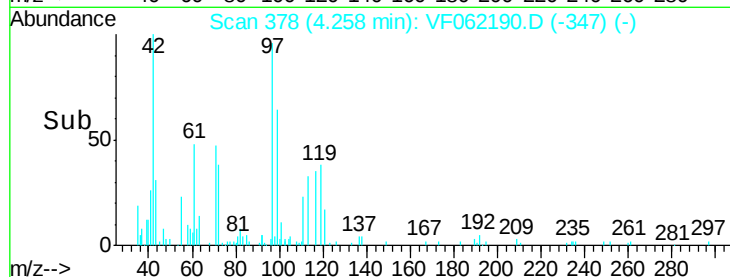
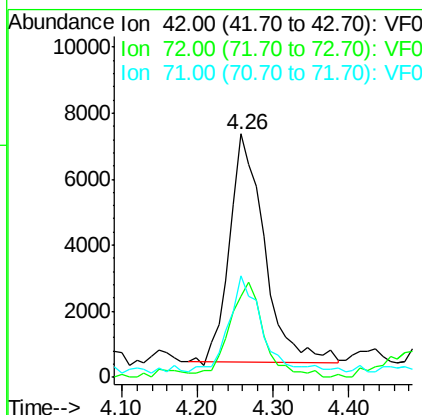
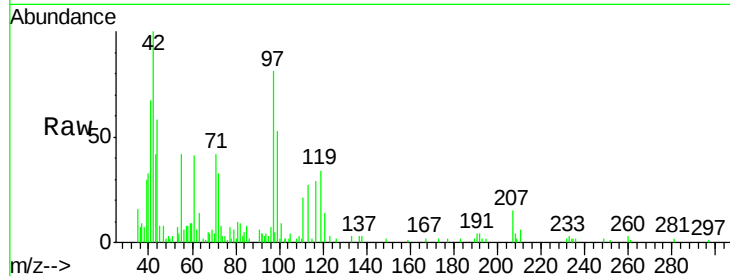
#29
Tetrahydrofuran
Concen: 8.217 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	28.6	43.0
71	37.9	29.2	43.8

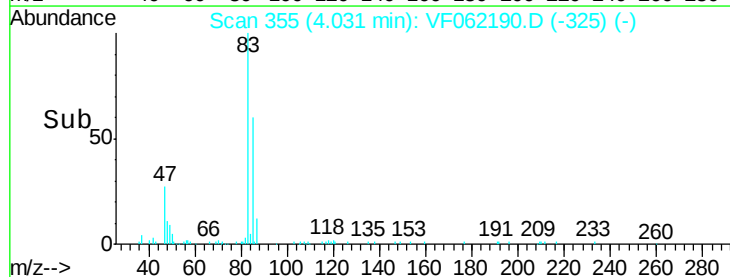
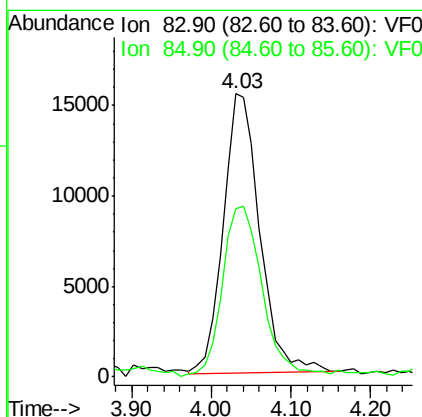
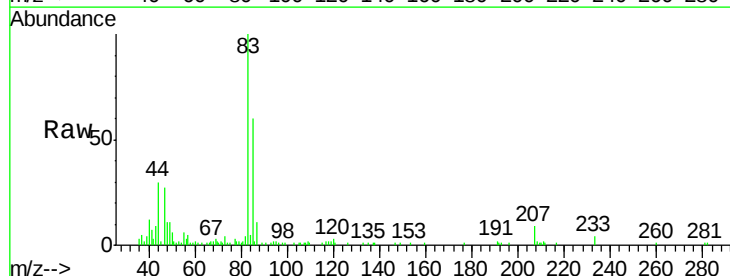
Manual Integrations
APPROVED

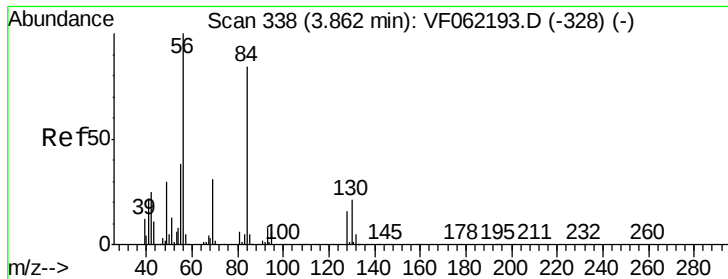
MMDadoda
4/19/2019 10:53:05 AM



#30
Chloroform
Concen: 6.128 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.8	51.8	77.8





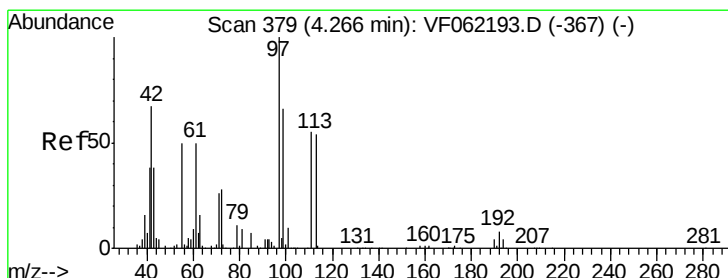
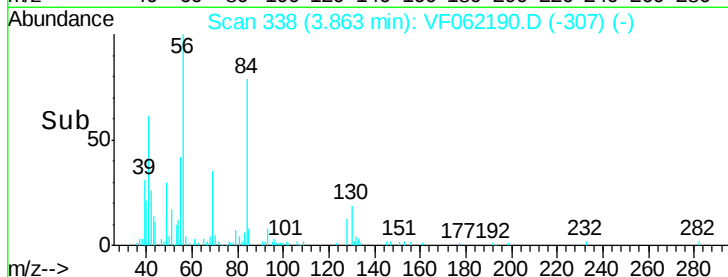
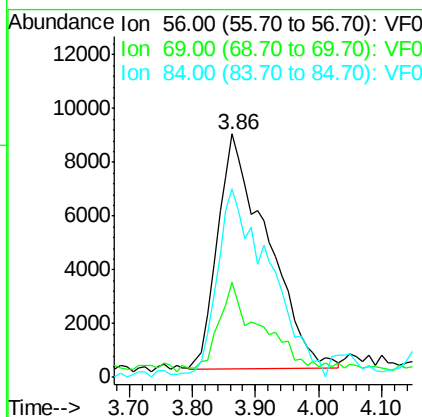
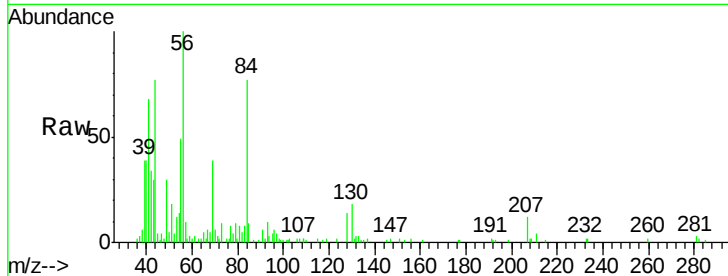
#31
Cyclohexane
Concen: 5.538 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	36.6	25.1	37.7	
84	78.3	67.8	101.6	

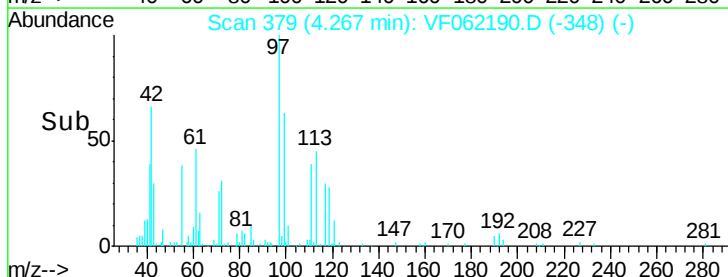
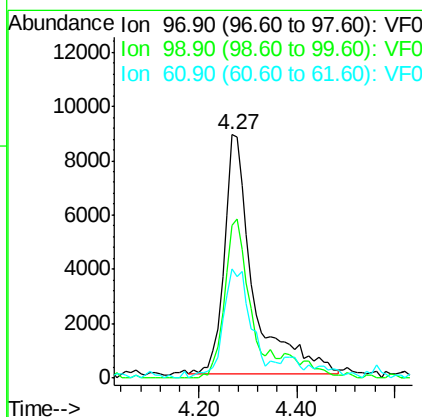
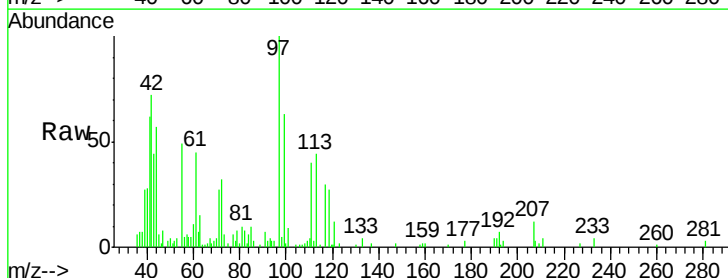
Manual Integrations
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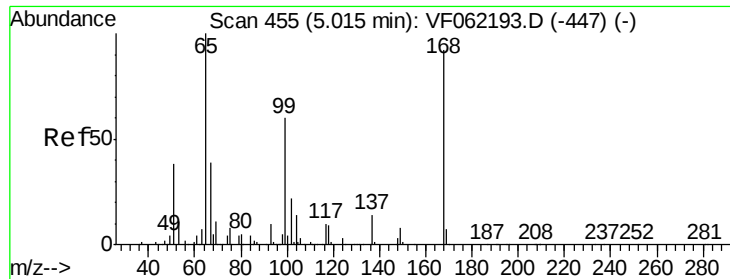
MMDadoda
4/19/2019 10:53:05 AM



#32
1,1,1-Trichloroethane
Concen: 5.842 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	57.8	52.7	79.1	
61	44.0	53.0	79.4#	





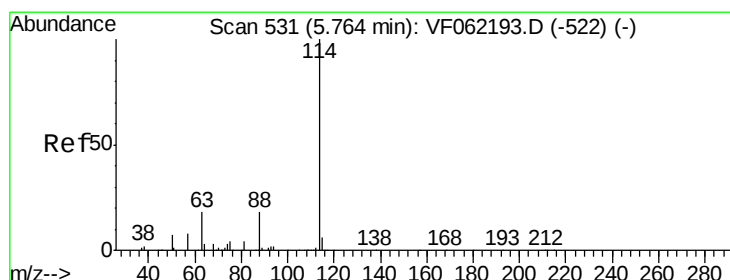
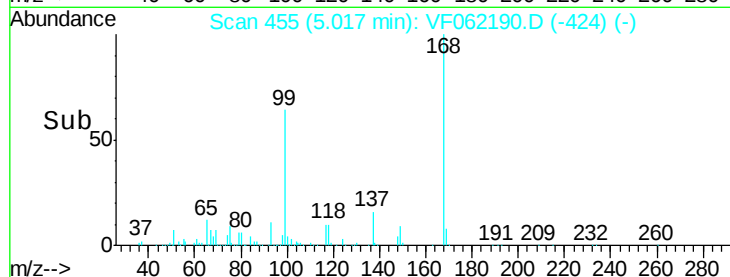
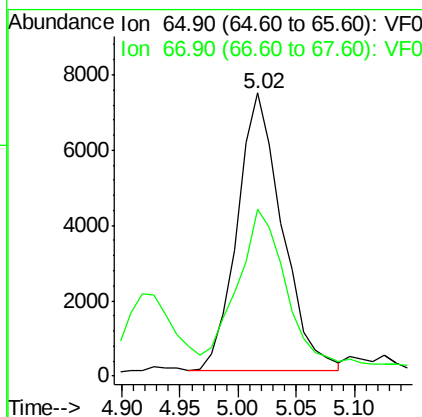
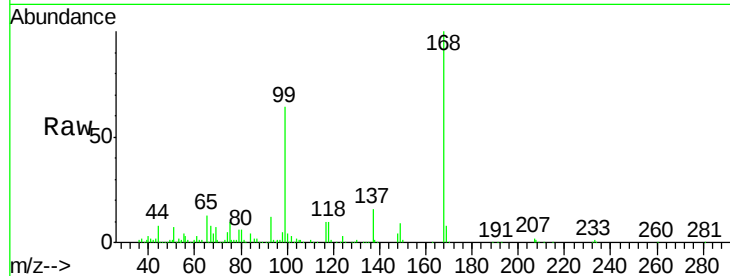
#33
 1,2-Dichloroethane-d4
 Concen: 3.796 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	19655		
67	64.6	0.0	109.4	

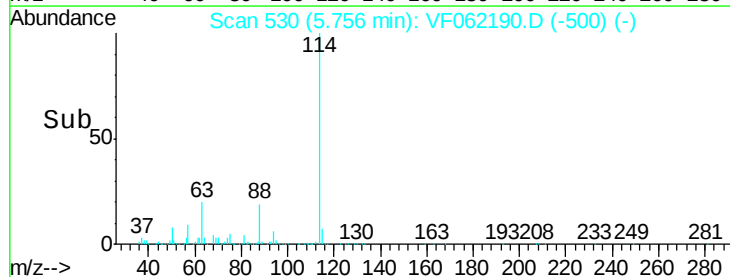
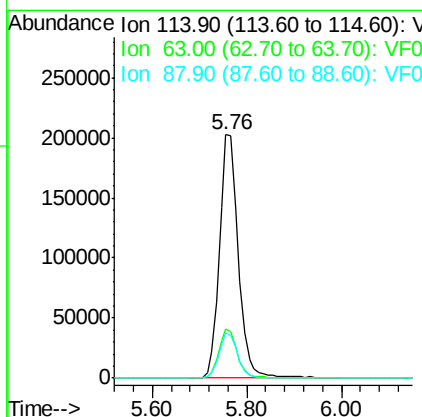
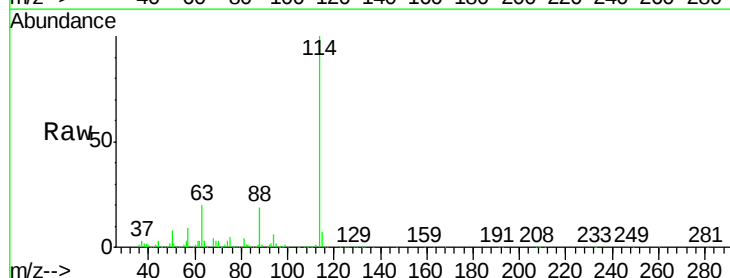
Manual Integrations
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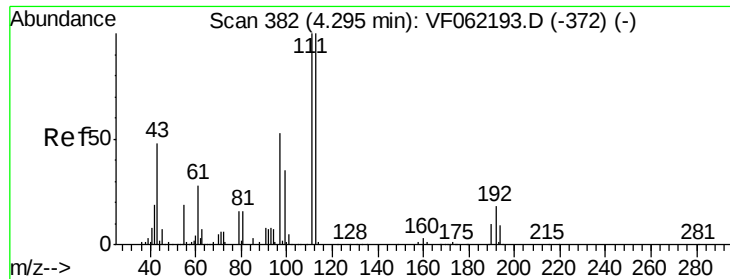
MMDadoda
 4/19/2019 10:53:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	557339		
63	20.0	0.0	36.6	
88	18.6	0.0	35.8	





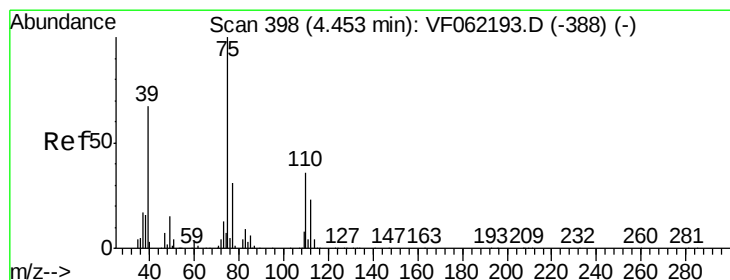
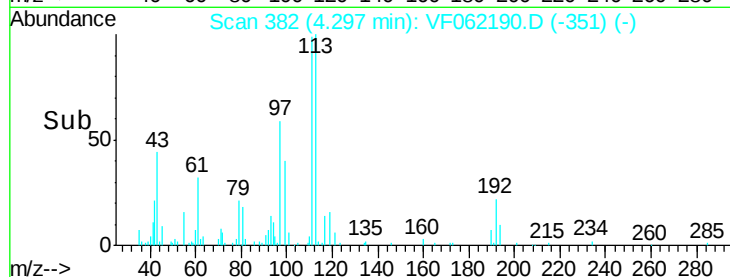
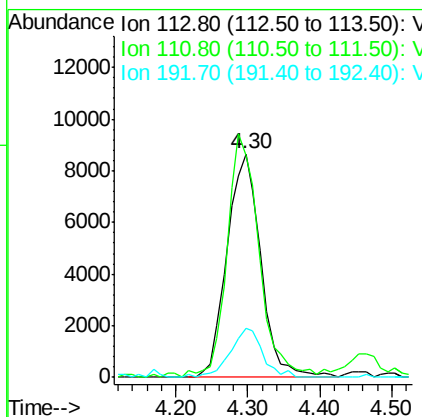
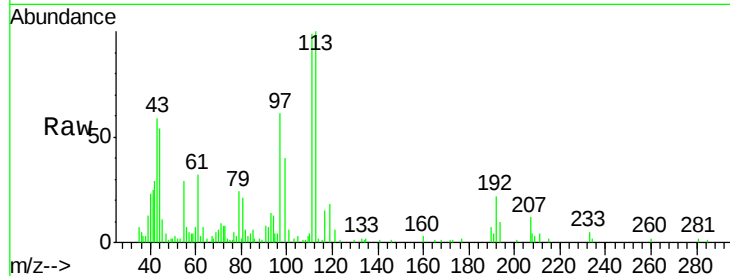
#35
 Dibromofluoromethane
 Concen: 7.390 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.1	121.7
192	21.1	14.7	22.1

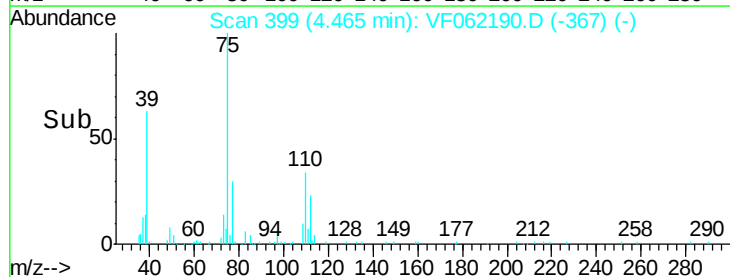
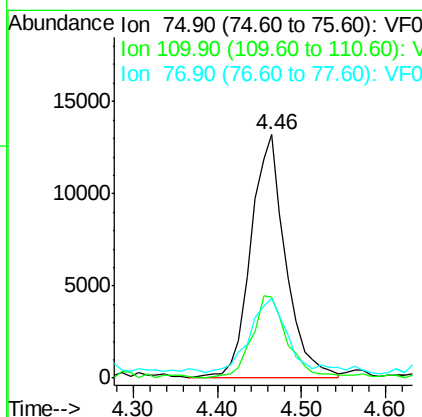
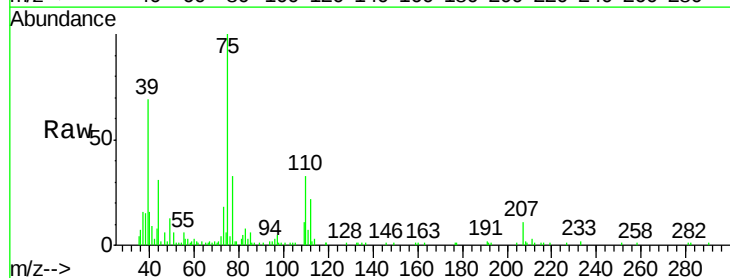
Manual Integrations
 APPROVED

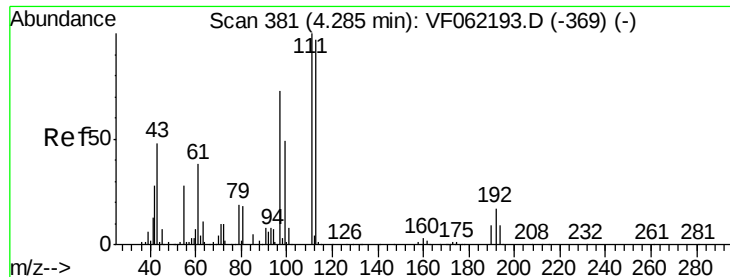
MMDadoda
 4/19/2019 10:53:05 AM



#36
 1,1-Dichloropropene
 Concen: 6.421 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. 0.01 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	18.4	55.2
77	36.6	25.4	38.2





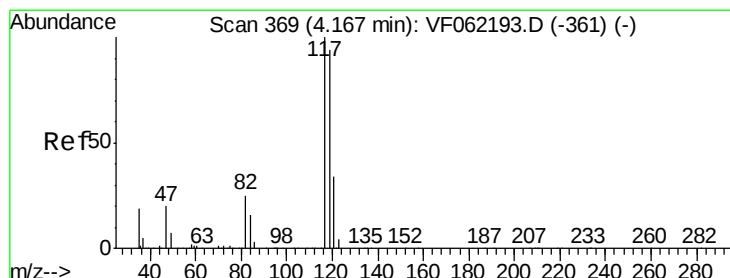
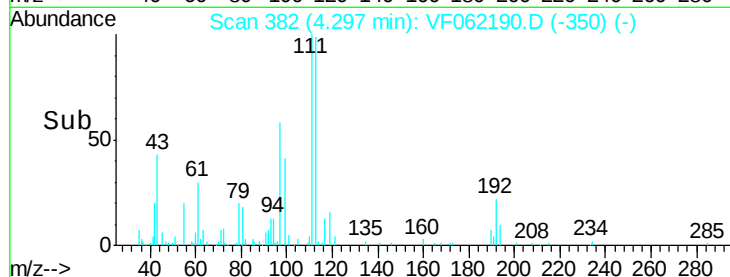
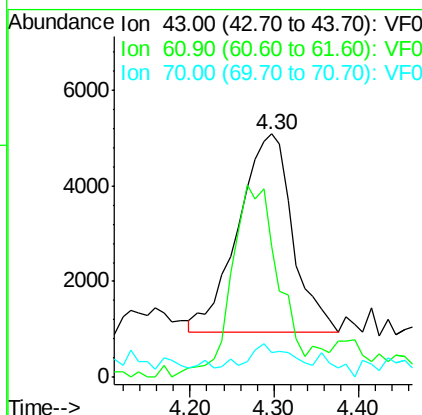
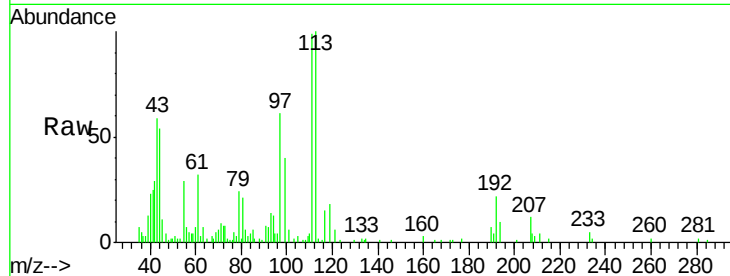
#37
Ethyl Acetate
Concen: 2.779 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	0.0	0.0	0.0	
70	10.4	7.8	11.6	

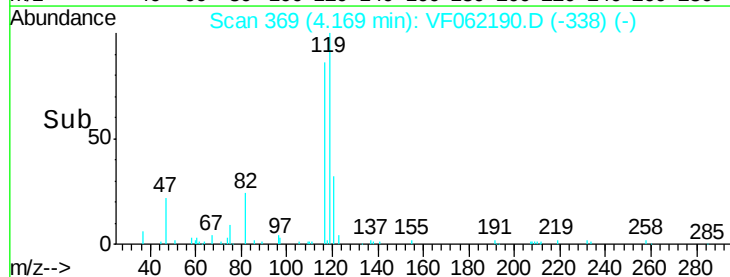
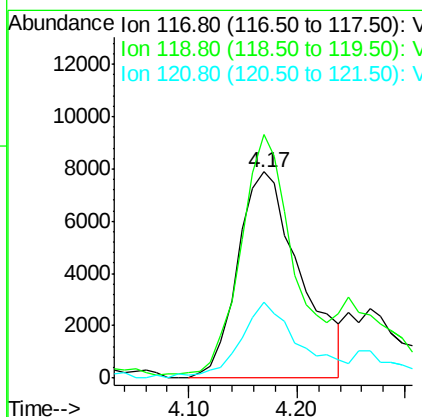
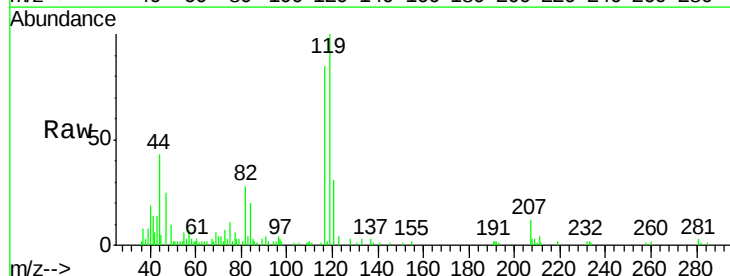
Manual Integrations
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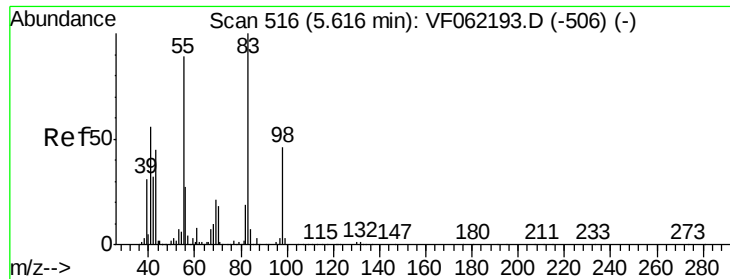
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#38
Carbon Tetrachloride
Concen: 6.373 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	115.6	75.0	112.4	
121	35.5	26.9	40.3	





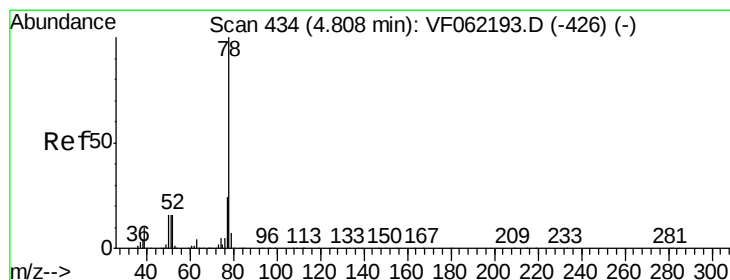
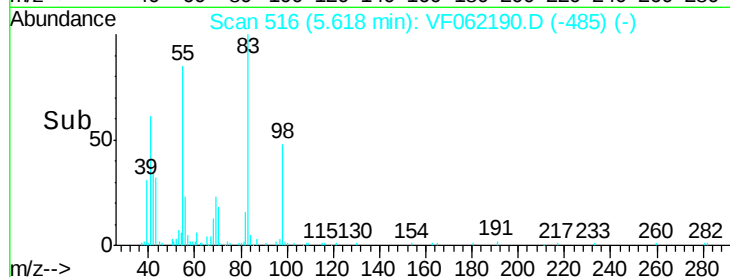
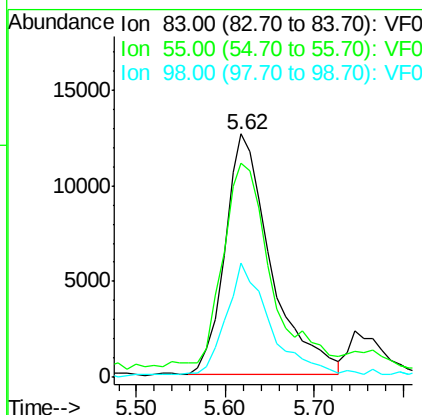
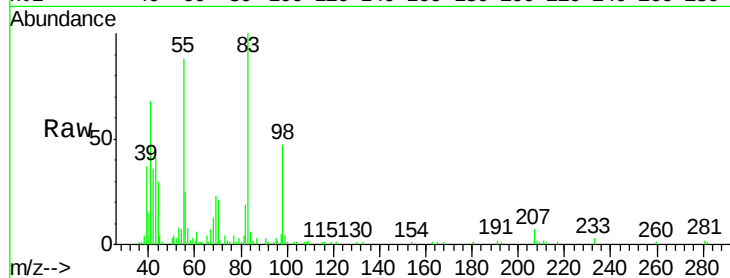
#39
Methvlcvclohexane
Concen: 6.324 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.6	71.0	106.6
98	45.6	36.7	55.1

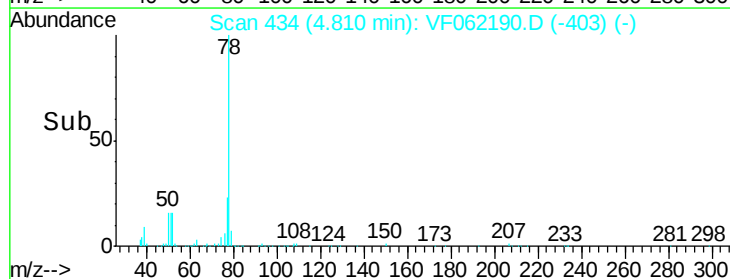
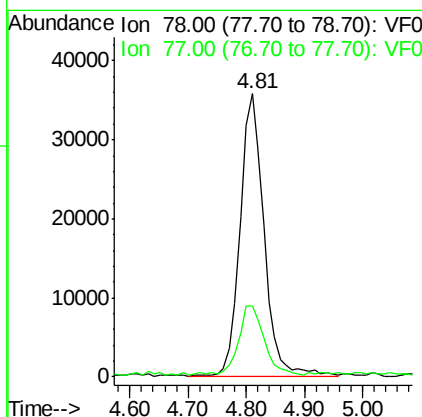
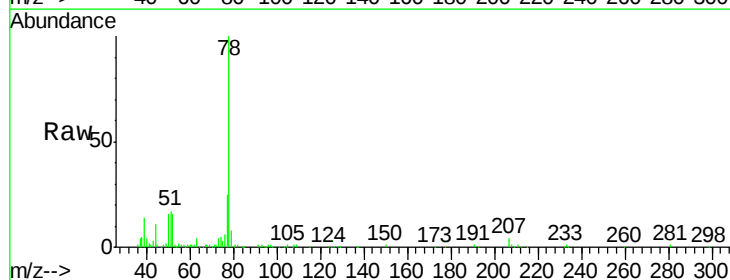
Manual Integrations
APPROVED

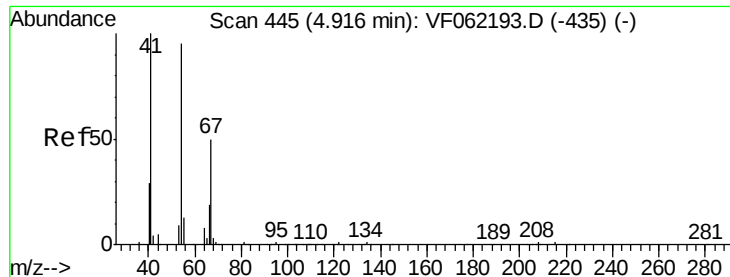
MMDadoda
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#40
Benzene
Concen: 5.933 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.9	28.3





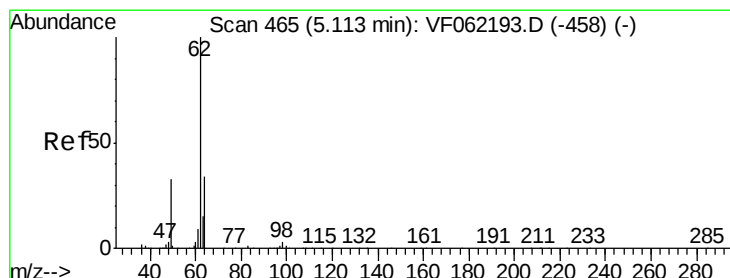
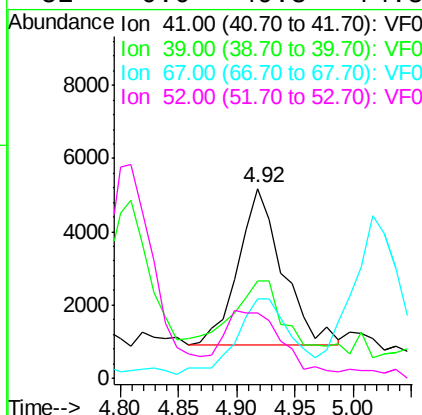
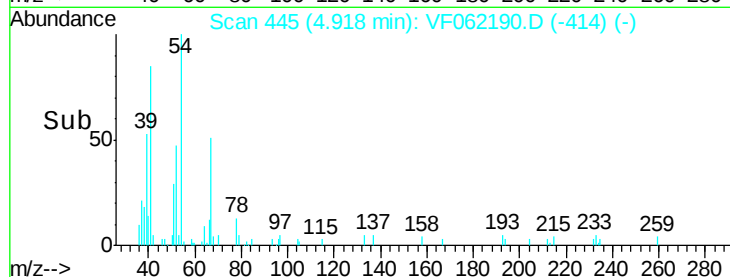
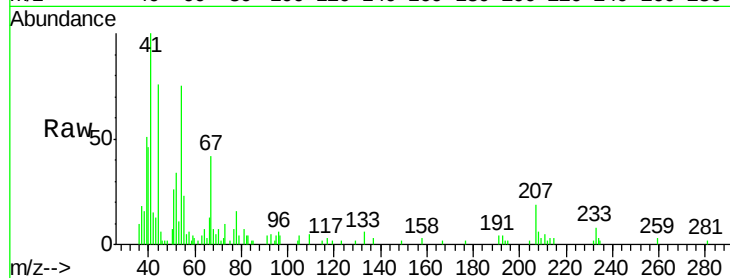
#41
Methacrylonitrile
Concen: 2.939 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	11358
Ion	Ratio	Lower	Upper
41	100		
39	44.0	44.7	67.1#
67	58.0	39.1	58.7
52	0.0	49.8	74.8#

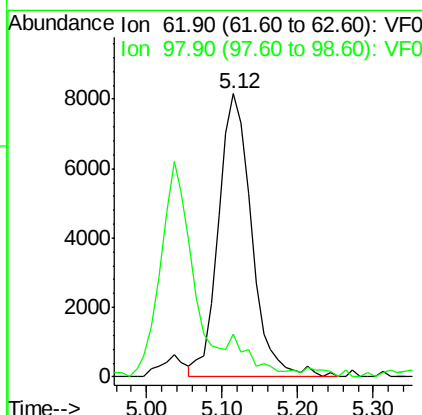
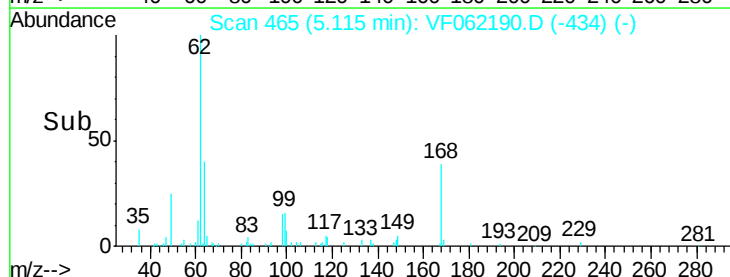
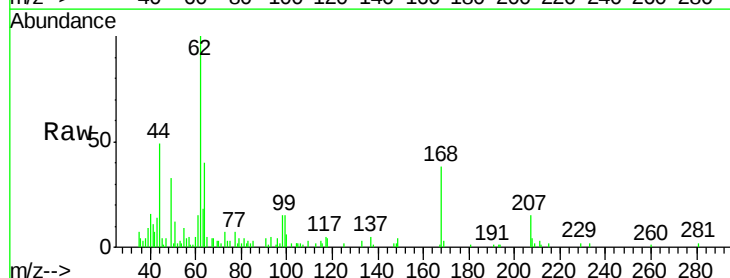
Manual Integrations
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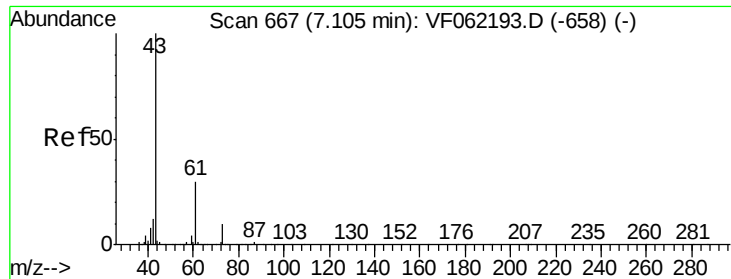
MMDadoda
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#42
1,2-Dichloroethane
Concen: 4.263 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion:	62	Resp:	24869
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 1.936 ug/l

RT: 7.11 min Scan# 667

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

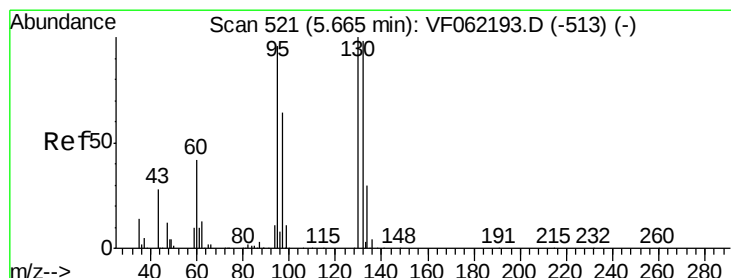
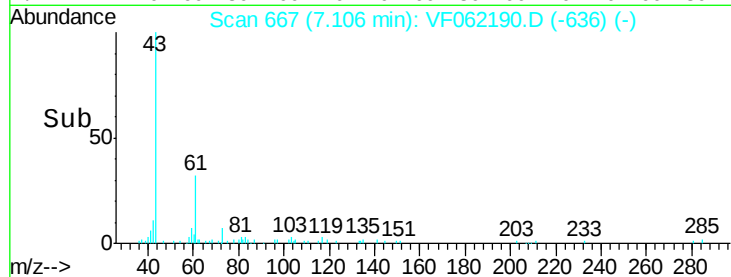
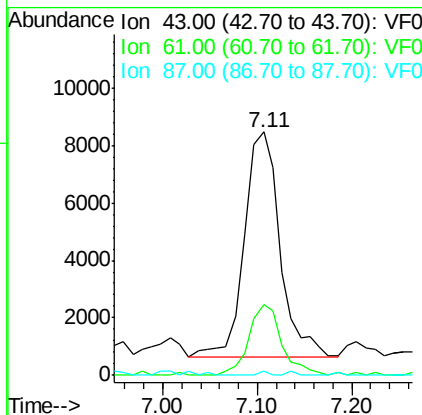
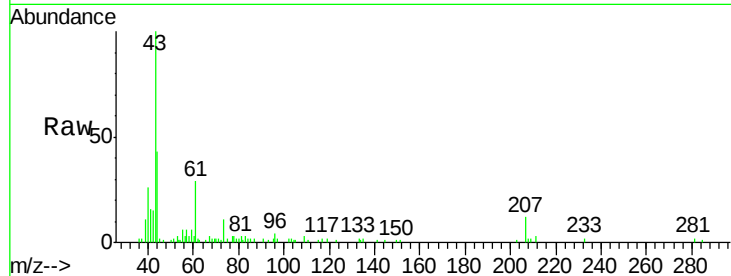
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	20382
Ion	Ratio	Lower	Upper
43	100		
61	29.2	24.4	36.6
87	0.4	0.4	0.6

Manual Integrations
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#44

Trichloroethene

Concen: 6.162 ug/l

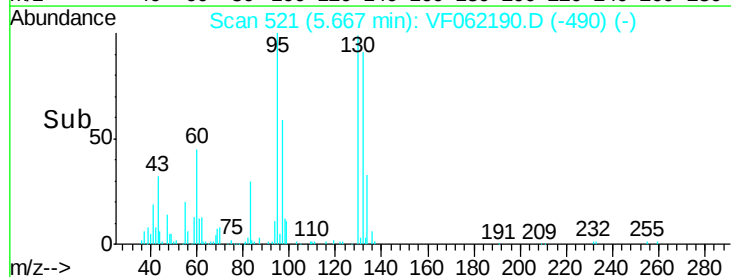
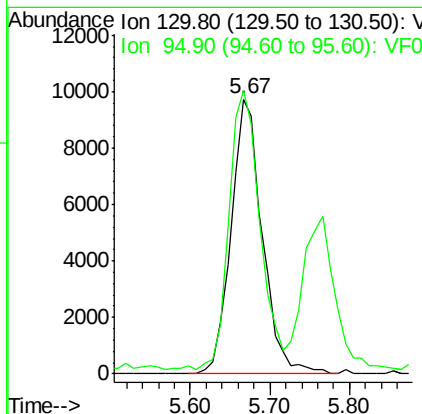
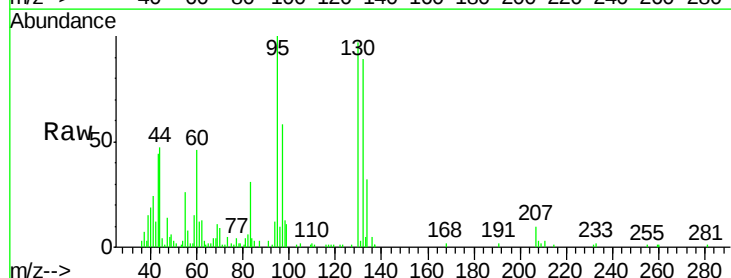
RT: 5.67 min Scan# 521

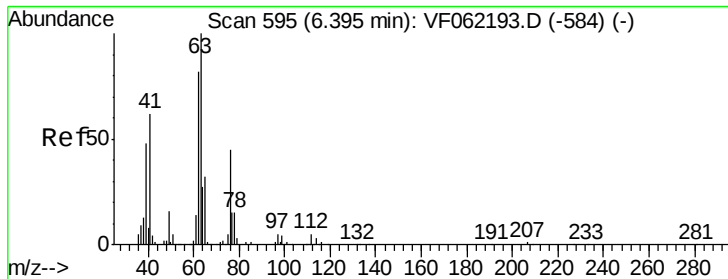
Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion:	130	Resp:	26488
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	191.4





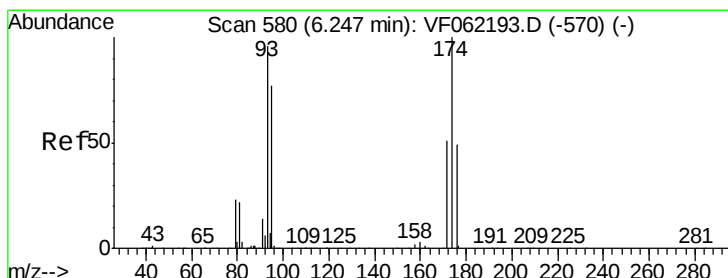
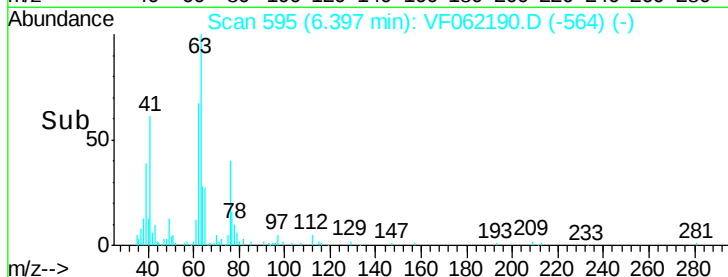
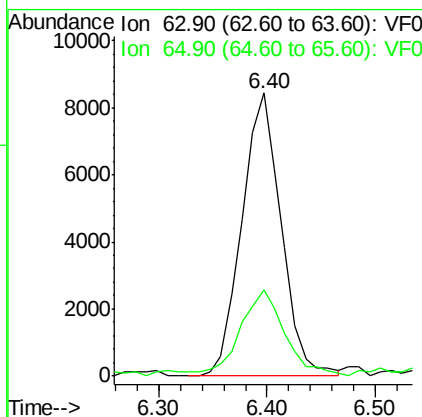
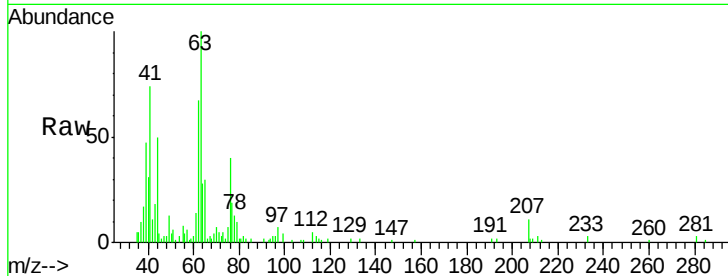
#45
1,2-Dichloropropane
Concen: 4.671 ug/l
RT: 6.40 min Scan# 595
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	63	Resp	21403
Ion Ratio	Lower	Upper	
63	100		
65	29.2	25.9	38.9

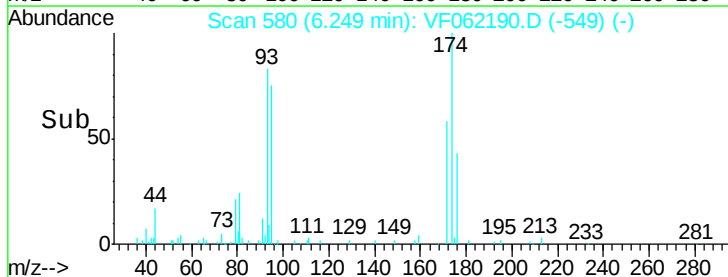
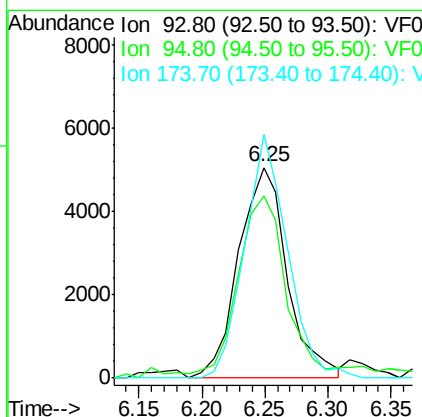
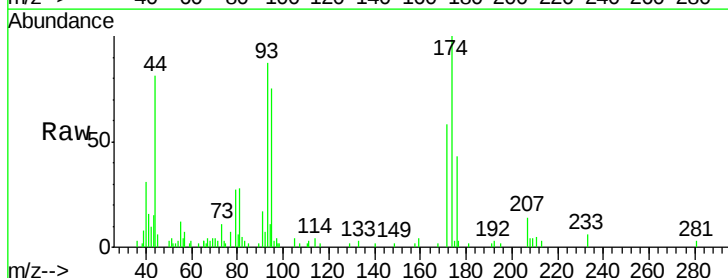
Manual Integrations
APPROVED

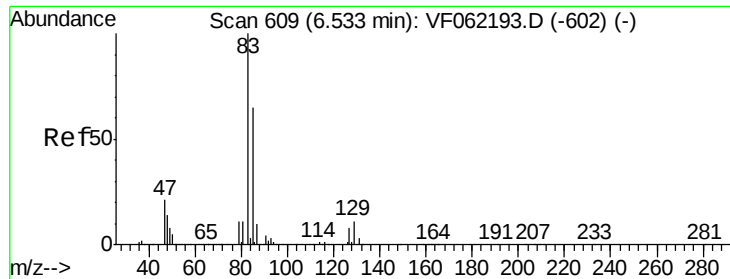
MMDadoda
4/19/2019 10:53:05 AM



#46
Dibromomethane
Concen: 4.936 ug/l
RT: 6.25 min Scan# 580
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	93	Resp	13556
Ion Ratio	Lower	Upper	
93	100		
95	79.9	65.1	97.7
174	102.2	81.8	122.6





#47

Bromodichloromethane

Concen: 5.845 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

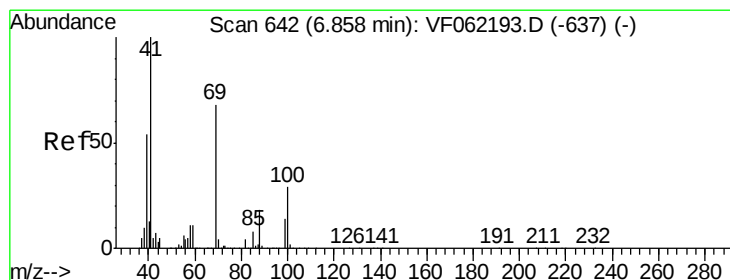
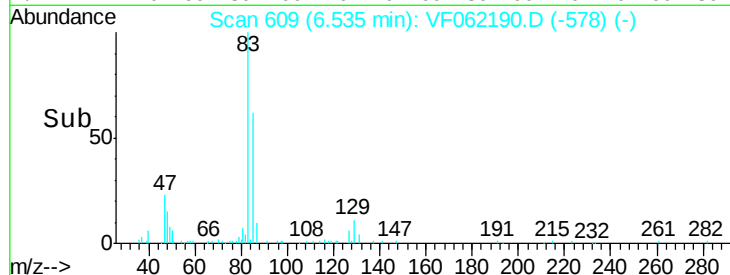
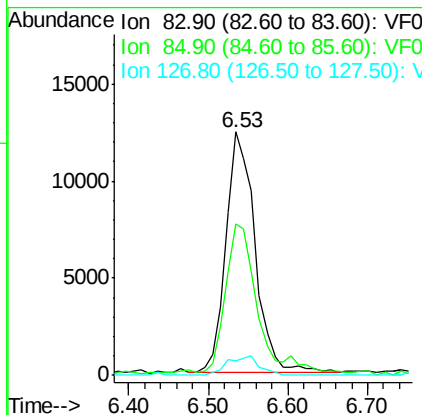
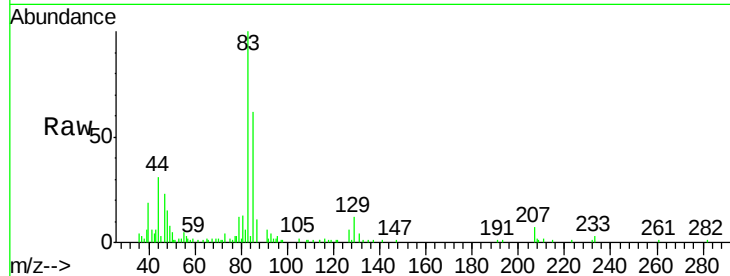
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	31865
Ion Ratio	Lower	Upper	
83	100		
85	61.3	52.2	78.4
127	6.3	6.7	10.1#

Manual Integrations
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MMDadoda
4/19/2019 10:53:05 AM



#48

Methyl methacrylate

Concen: 2.466 ug/l

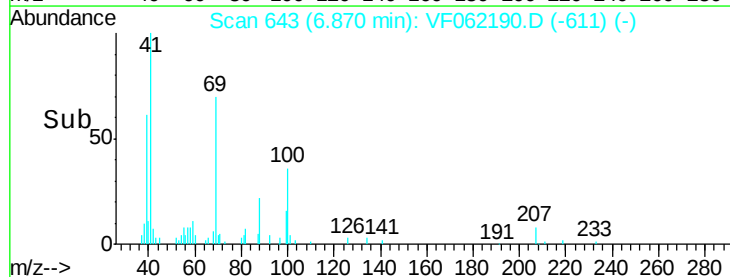
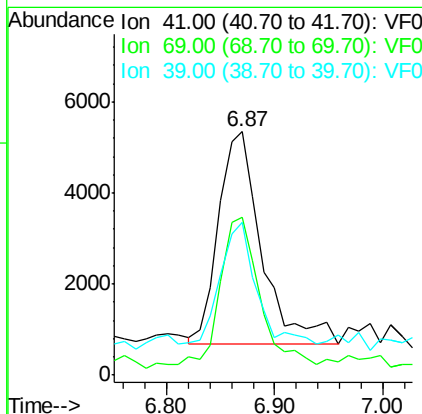
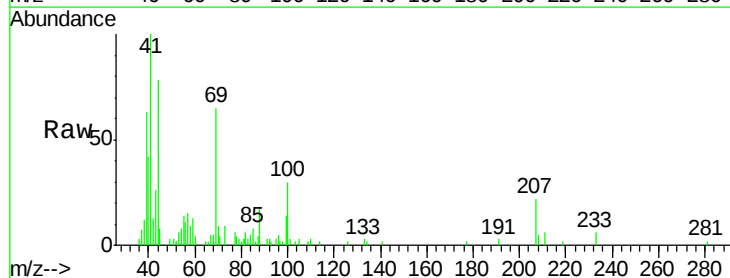
RT: 6.87 min Scan# 643

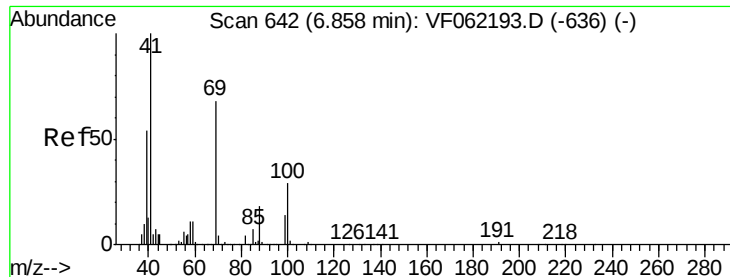
Delta R.T. 0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion:	41	Resp:	13030
Ion Ratio	Lower	Upper	
41	100		
69	68.2	54.9	82.3
39	55.7	43.6	65.4





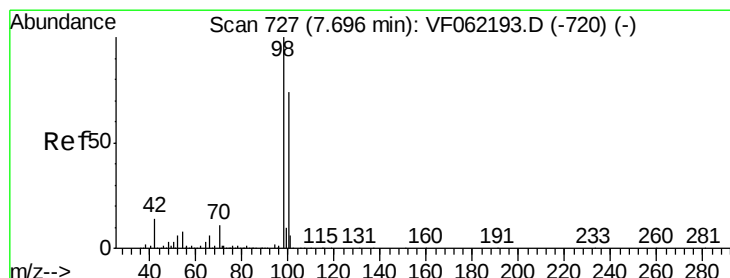
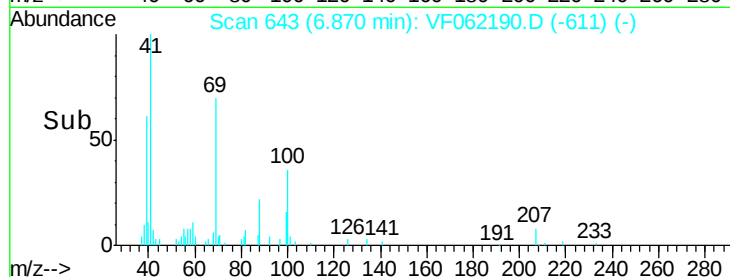
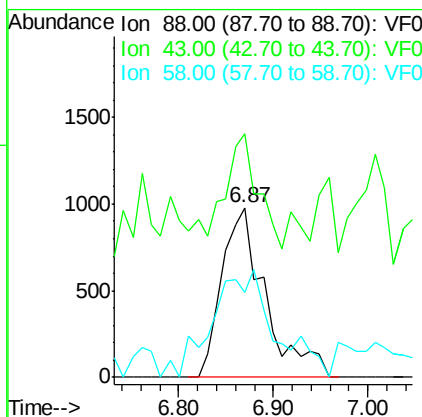
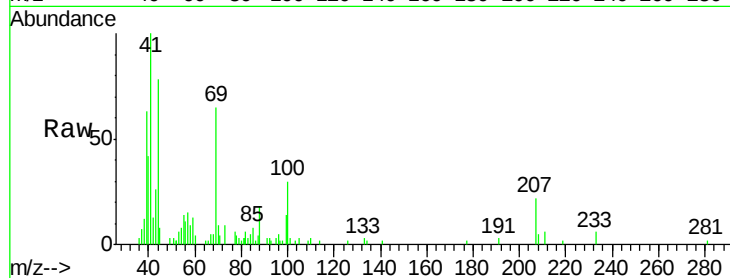
#49
1,4-Dioxane
Concen: 31.771 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
88	100	3111		
43	53.1		36.9	55.3
58	81.8		56.8	85.2

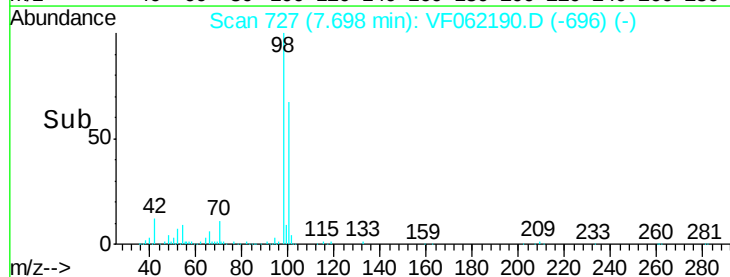
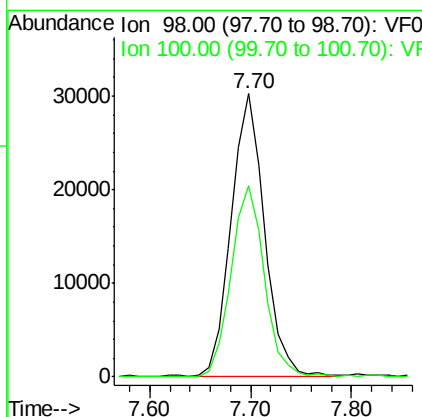
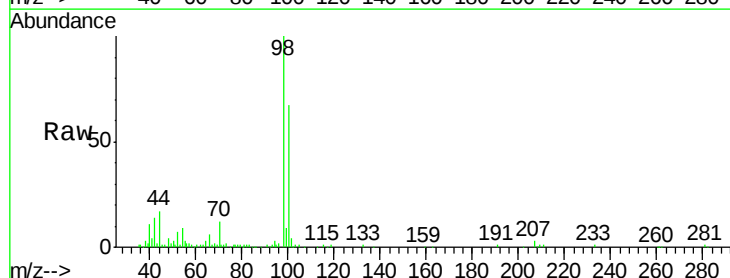
Manual Integrations
APPROVED

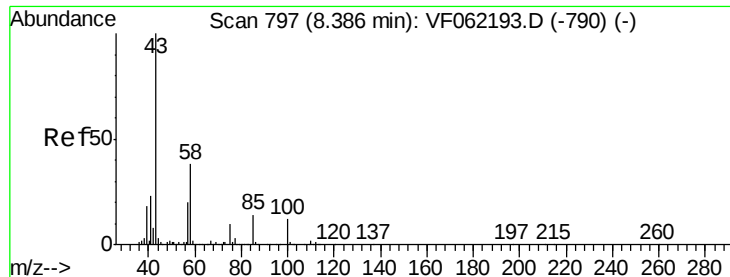
MMDadoda
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#50
Toluene-d8
Concen: 5.014 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	69869		
100	67.2		56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 11.108 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 75147

Ion Ratio Lower Upper

43 100

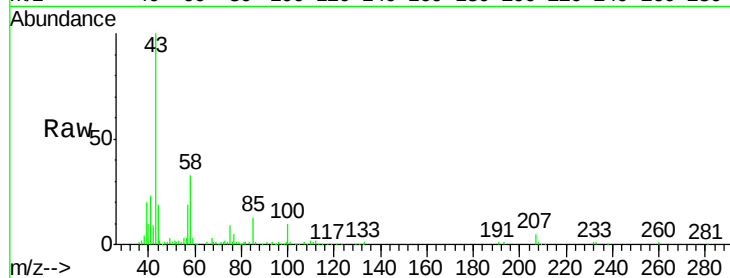
58 36.5 29.3 43.9

Manual Integrations

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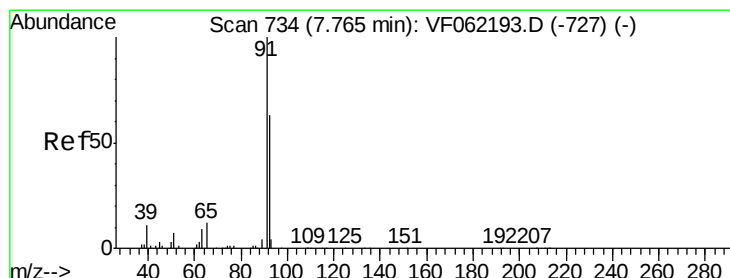
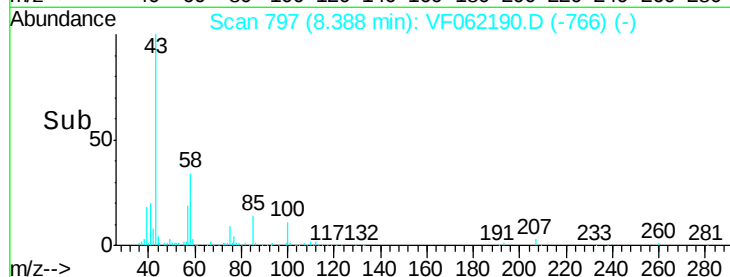
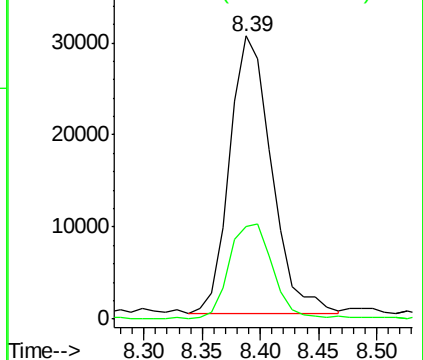
MMDadoda

4/19/2019 10:53:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 5.094 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF062190.D

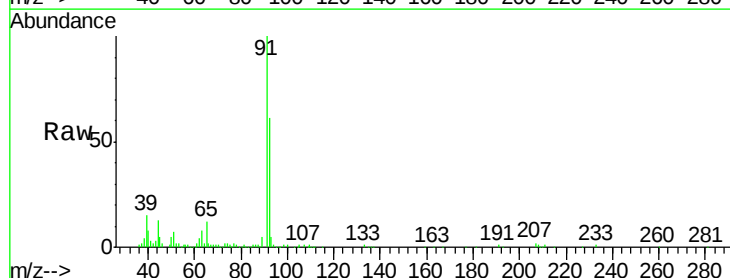
Acq: 17 Apr 2019 17:11

Tgt Ion: 92 Resp: 51563

Ion Ratio Lower Upper

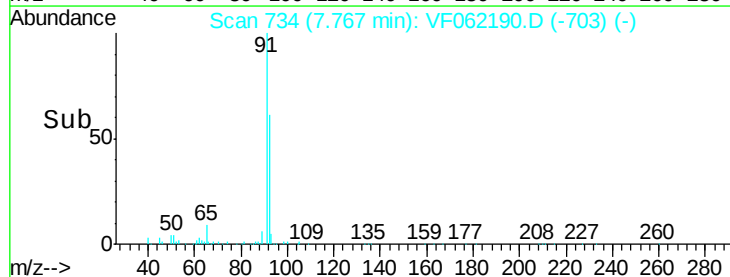
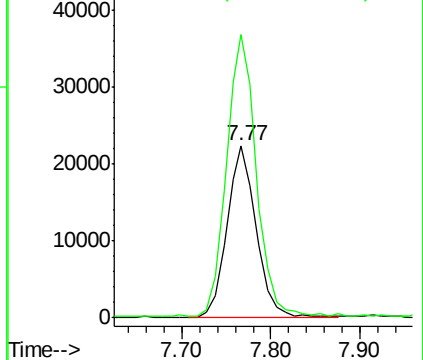
92 100

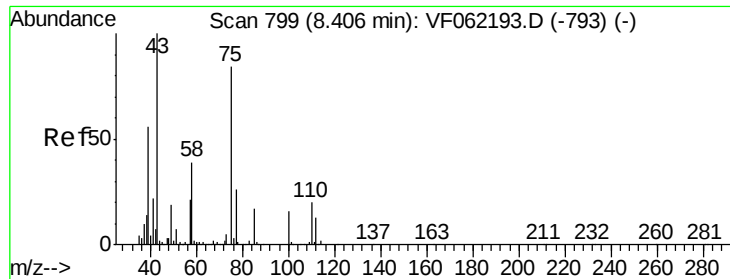
91 167.3 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





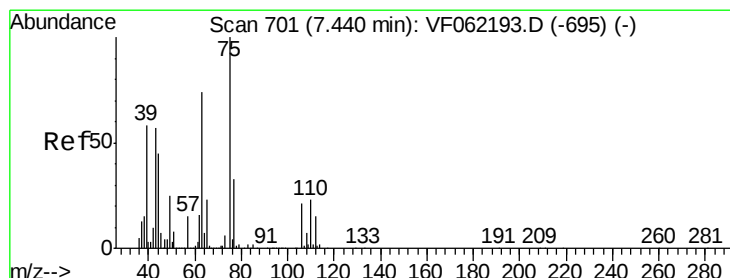
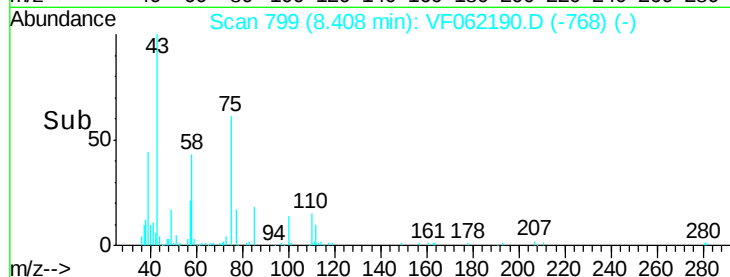
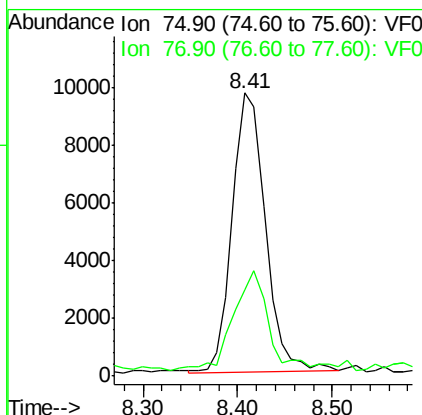
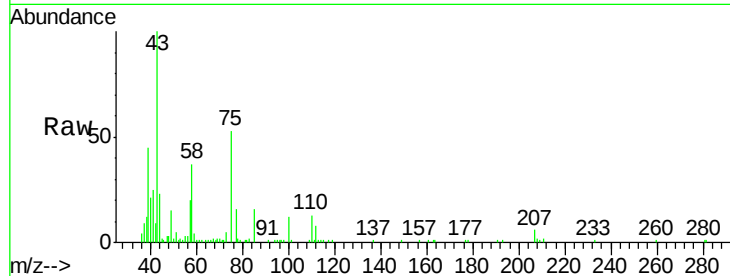
#53
 t-1,3-Dichloropropene
 Concen: 4.039 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 23689
 Ion Ratio Lower Upper
 75 100
 77 27.9 24.6 36.8

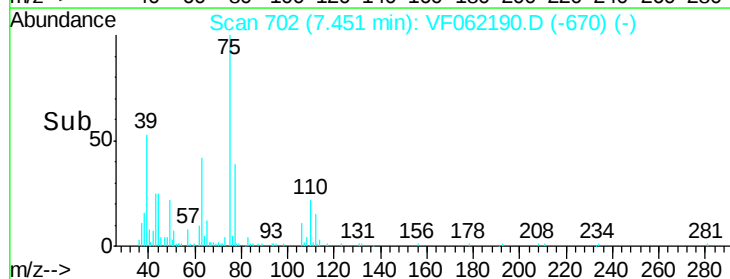
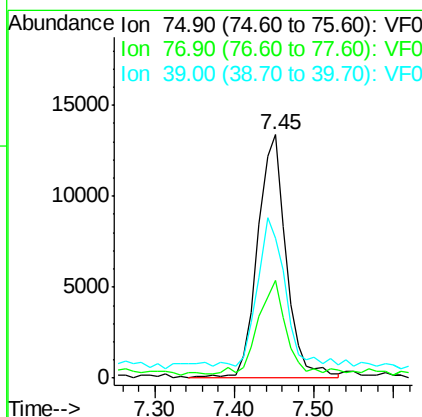
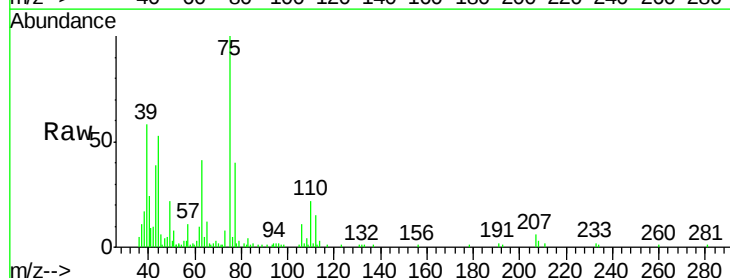
Manual Integrations
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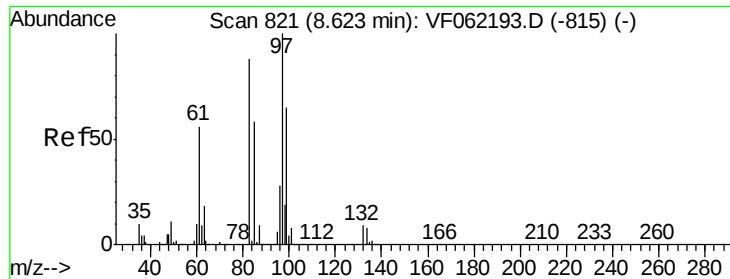
MMDadoda
 4/19/2019 10:53:05 AM



#54
 cis-1,3-Dichloropropene
 Concen: 4.899 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.01 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion: 75 Resp: 33109
 Ion Ratio Lower Upper
 75 100
 77 38.1 26.4 39.6
 39 52.2 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 3.577 ug/l

RT: 8.62 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

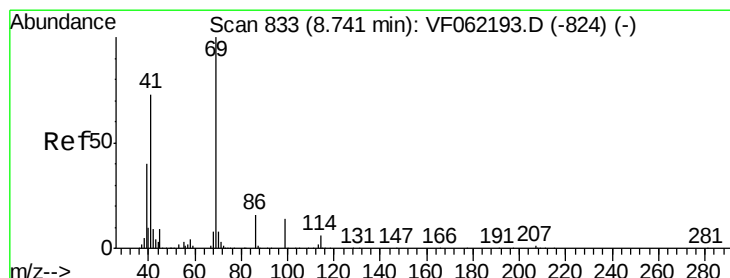
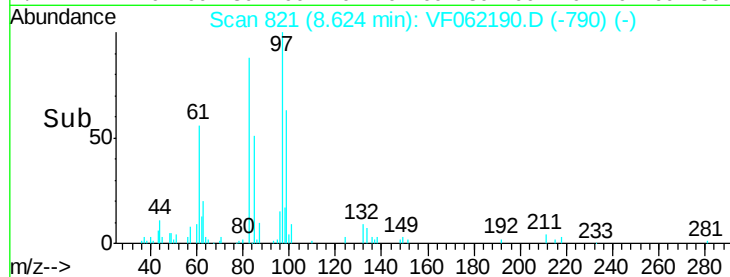
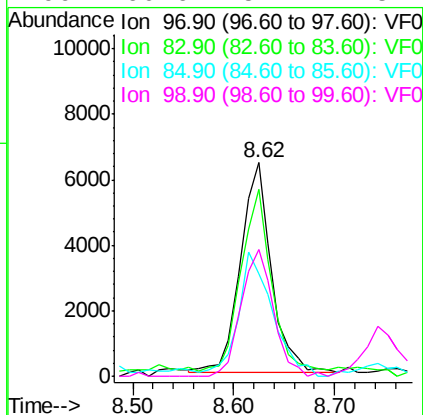
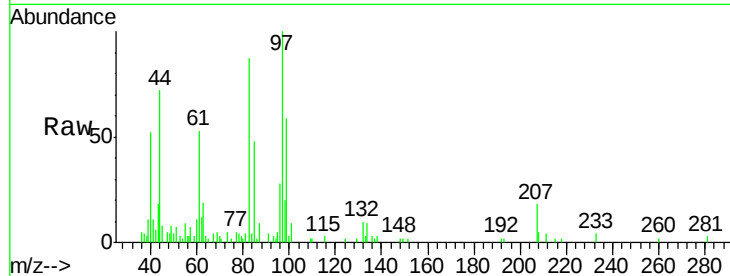
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	13644
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.2	105.2
85	46.5	46.2	69.4
99	60.6	52.2	78.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 2.576 ug/l

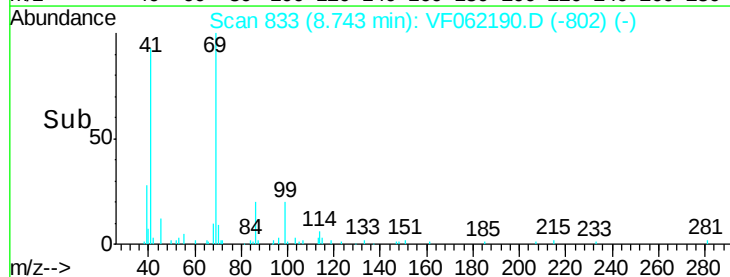
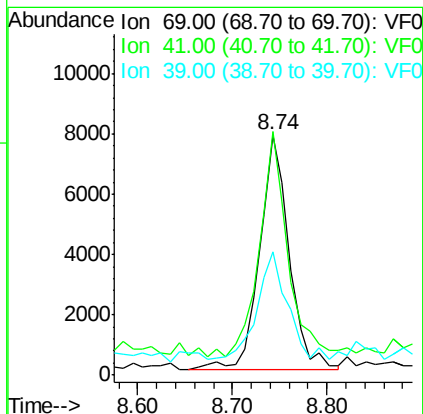
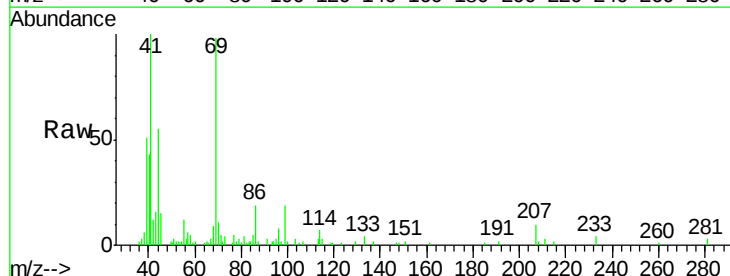
RT: 8.74 min Scan# 833

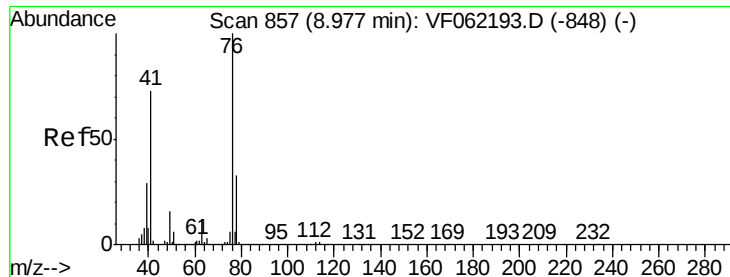
Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion:	69	Resp:	16781
Ion	Ratio	Lower	Upper
69	100		
41	93.9	61.5	92.3#
39	47.3	33.3	49.9





#57

1,3-Dichloropropane

Concen: 3.368 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 22640

Ion Ratio Lower Upper

76 100

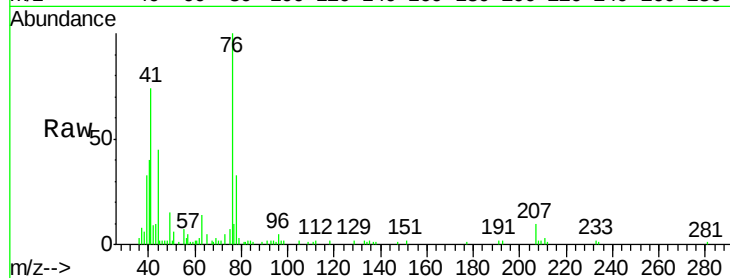
78 35.3 26.5 39.7

Manual Integrations

APPROVED

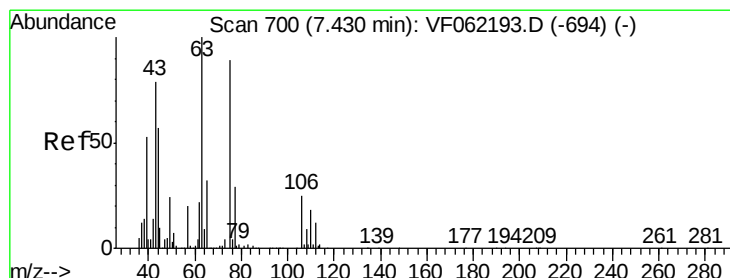
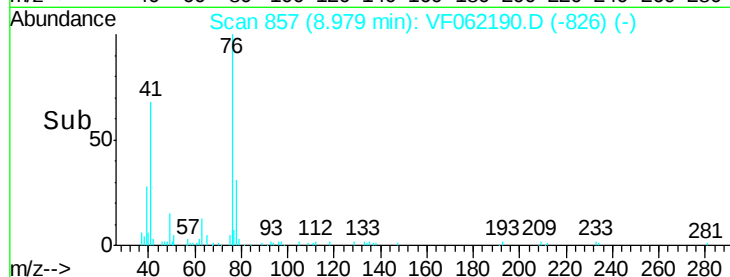
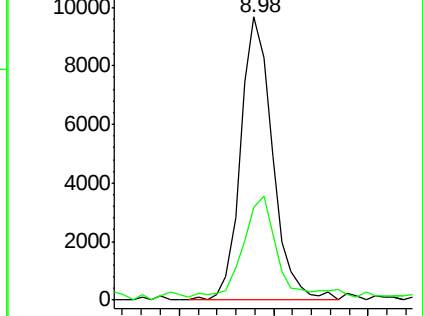
MMDadoda

4/19/2019 10:53:05 AM



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 6.120 ug/l

RT: 7.43 min Scan# 700

Delta R.T. 0.00 min

Lab File: VF062190.D

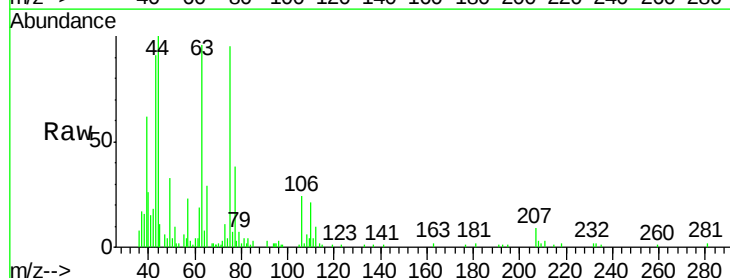
Acq: 17 Apr 2019 17:11

Tgt Ion: 63 Resp: 20817

Ion Ratio Lower Upper

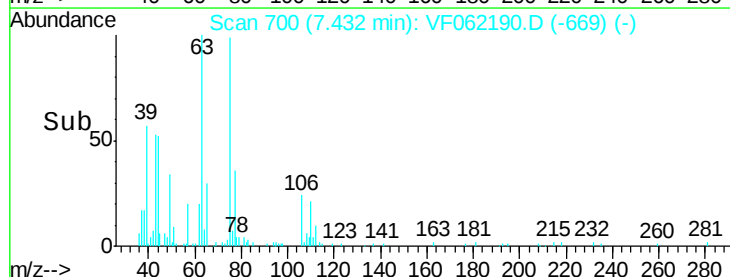
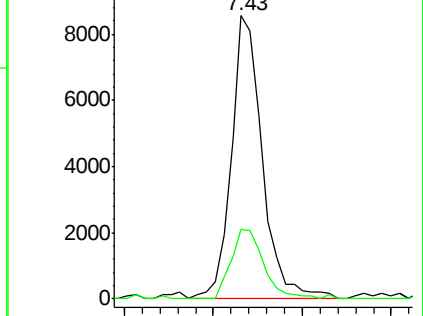
63 100

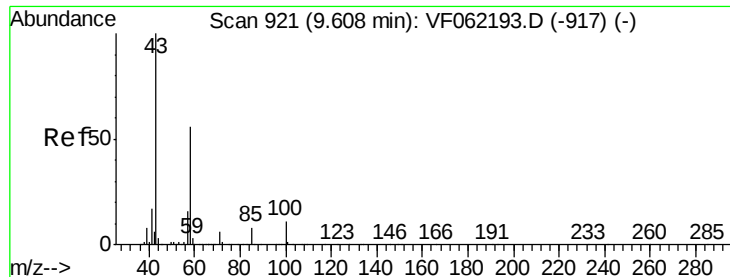
106 26.0 21.4 32.0



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V





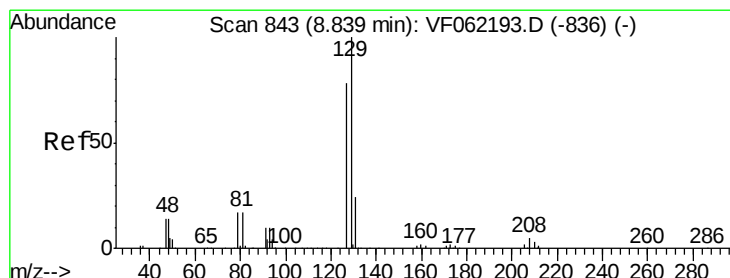
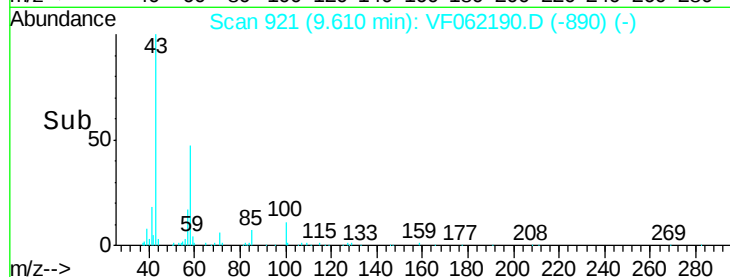
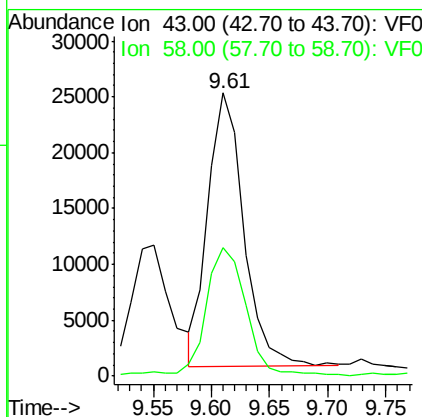
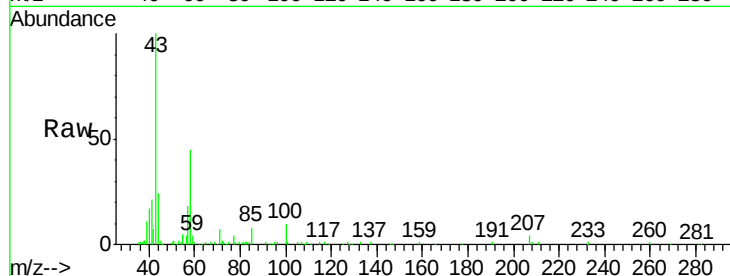
#59
2-Hexanone
Concen: 10.212 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 52709
Ion Ratio Lower Upper
43 100
58 53.6 24.6 74.0

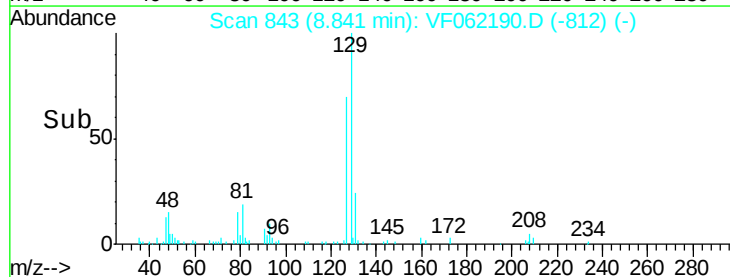
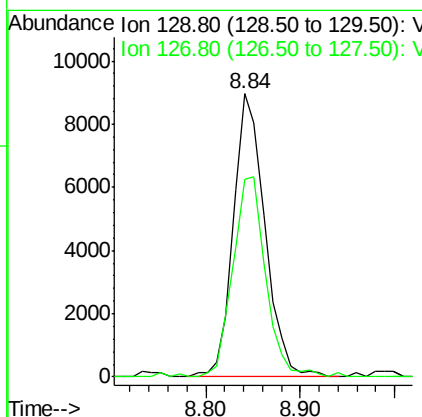
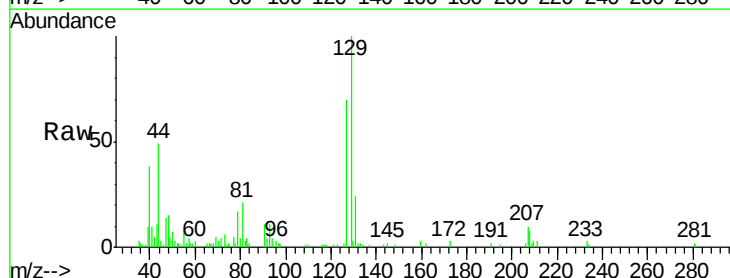
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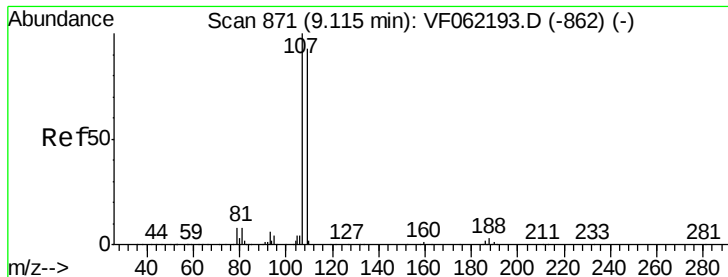
MMDadoda
4/19/2019 10:53:05 AM



#60
Dibromochloromethane
Concen: 5.389 ug/l
RT: 8.84 min Scan# 843
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion: 129 Resp: 20781
Ion Ratio Lower Upper
129 100
127 73.2 39.0 117.0





#61

1,2-Dibromoethane

Concen: 3.938 ug/l

RT: 9.12 min Scan# 871

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 15629

Ion Ratio Lower Upper

107 100

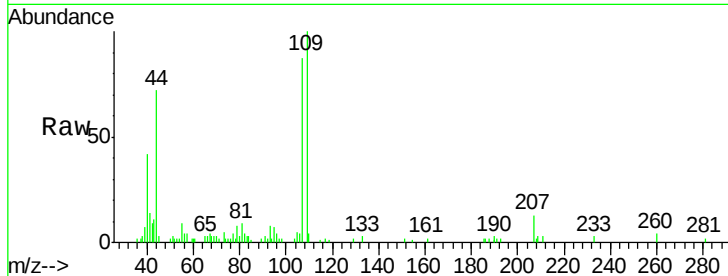
109 99.7 74.3 111.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.12

8000

6000

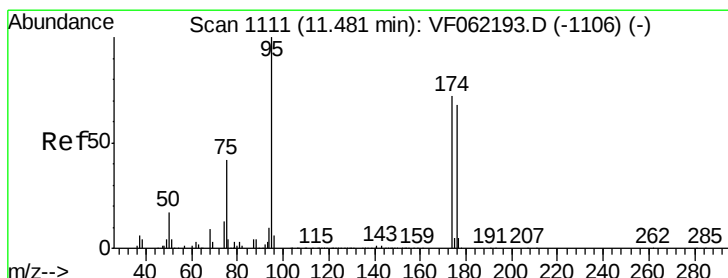
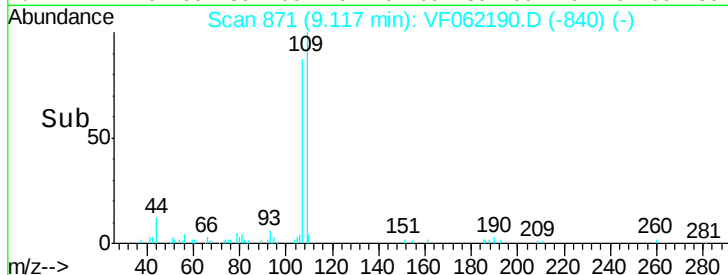
4000

2000

0

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 5.851 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

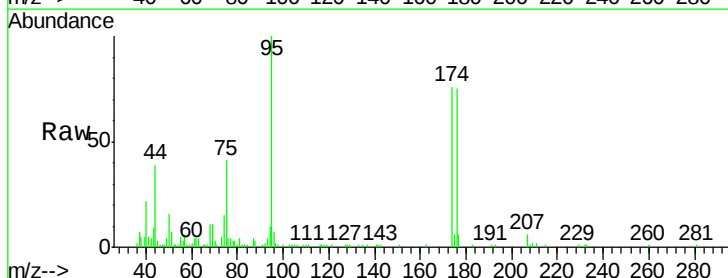
Tgt Ion: 95 Resp: 28936

Ion Ratio Lower Upper

95 100

174 80.2 0.0 159.4

176 81.0 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

25000

20000

15000

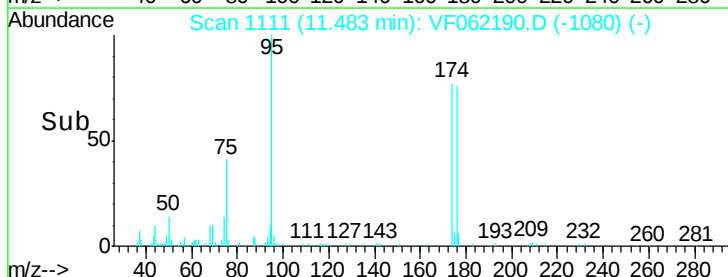
10000

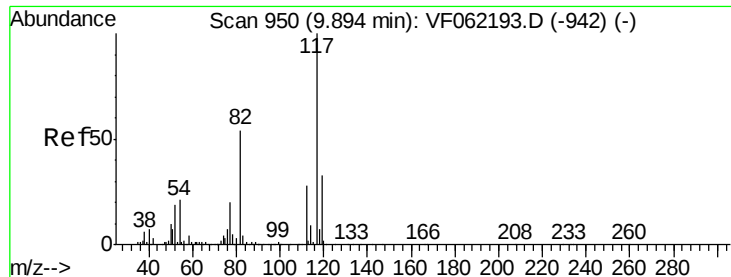
5000

0

11.40 11.50 11.60 11.70

Time-->





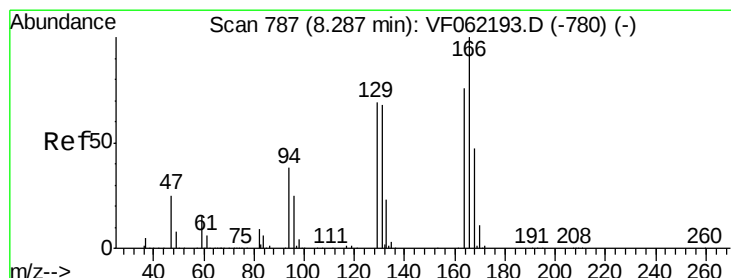
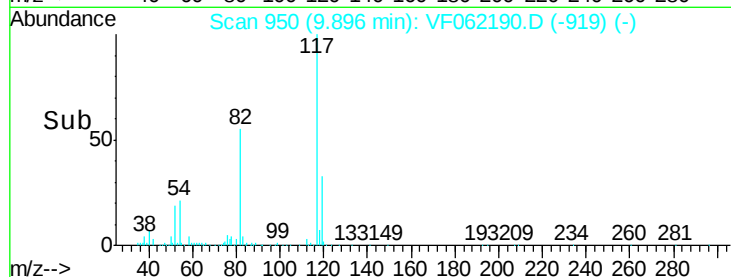
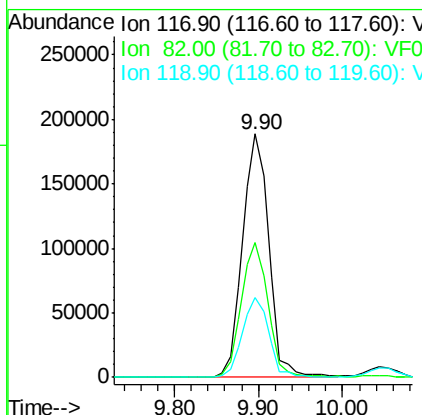
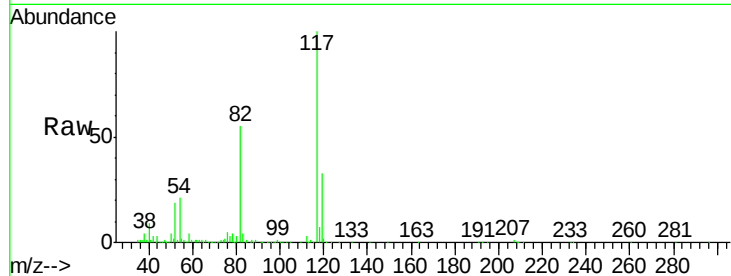
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.2	64.8
119	32.6	26.2	39.4

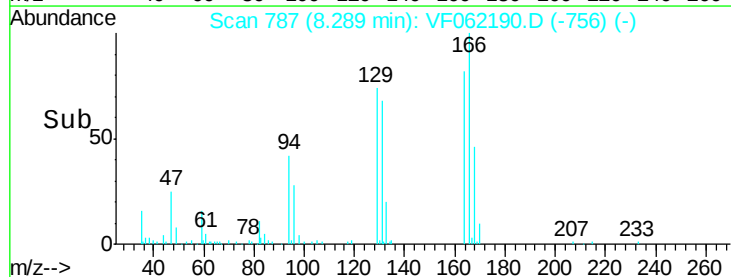
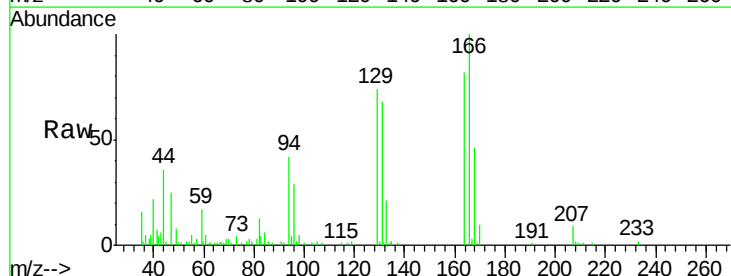
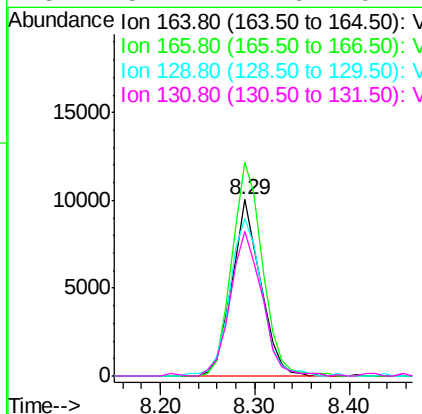
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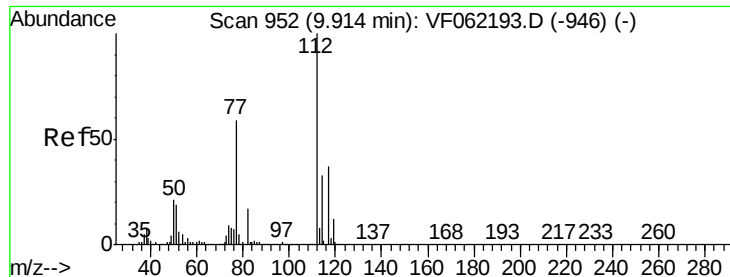
MMDadoda
4/19/2019 10:53:05 AM



#64
Tetrachloroethene
Concen: 6.525 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.3	104.7	157.1
129	88.0	72.6	109.0
131	82.1	71.6	107.4





#65

Chlorobenzene

Concen: 5.123 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 45544

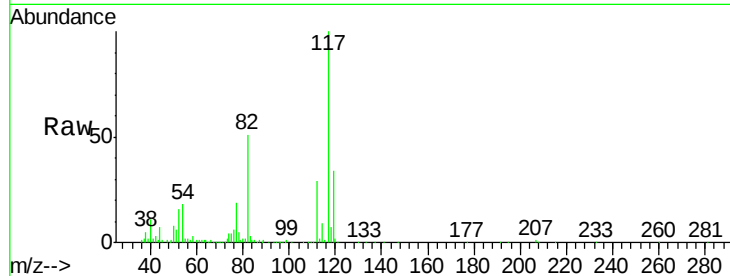
Ion Ratio Lower Upper

112 100

114 30.7 26.1 39.1

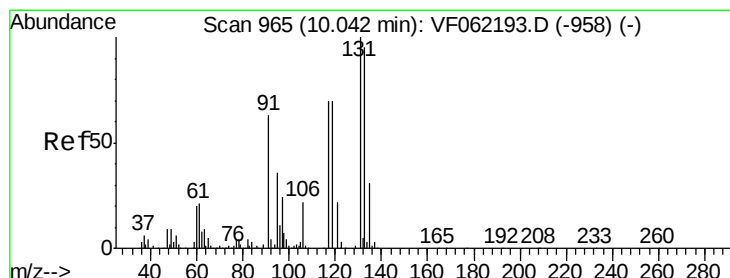
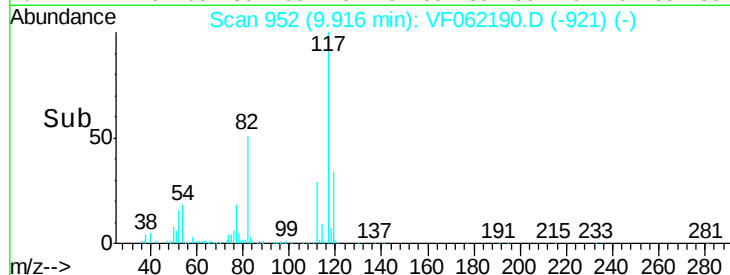
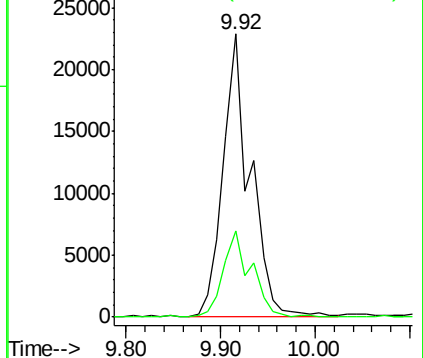
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 7.511 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

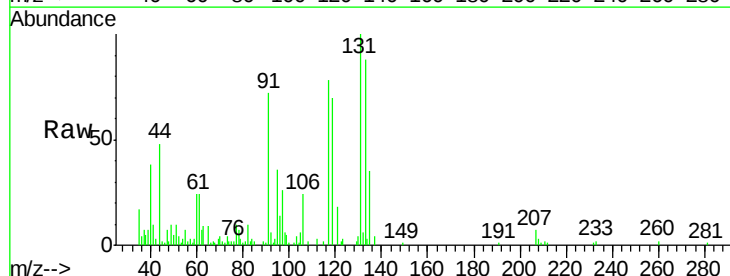
Tgt Ion:131 Resp: 24485

Ion Ratio Lower Upper

131 100

133 94.7 47.7 143.1

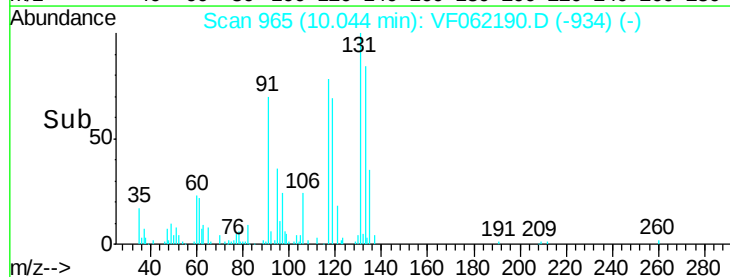
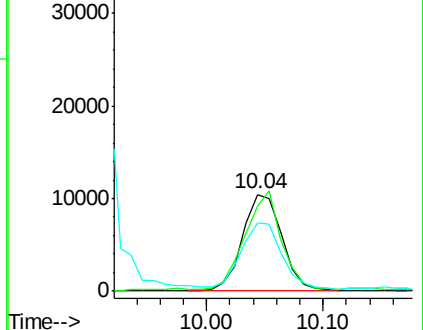
119 72.5 34.6 103.9

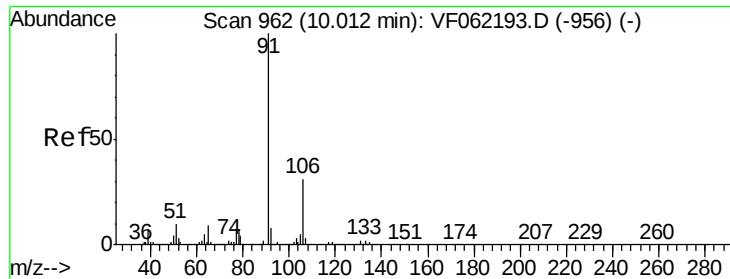


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 6.075 ug/l

RT: 10.01 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 97245

Ion Ratio Lower Upper

91 100

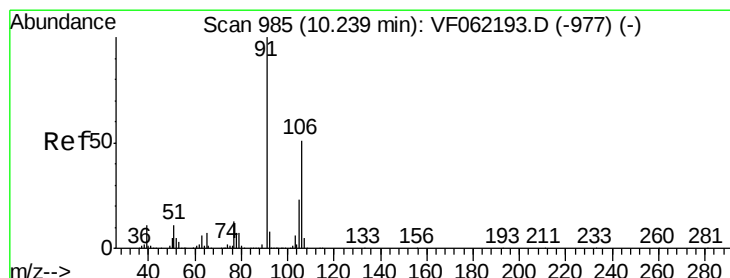
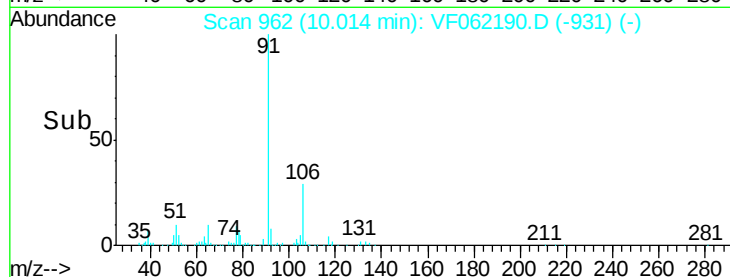
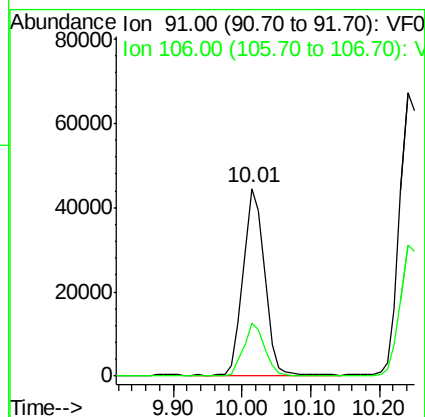
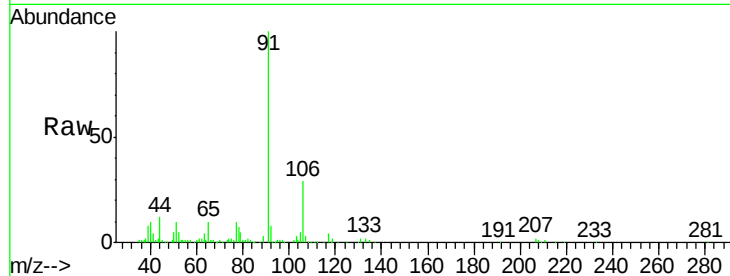
106 28.6 24.9 37.3

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#68

m/p-Xylenes

Concen: 11.846 ug/l

RT: 10.24 min Scan# 985

Delta R.T. 0.00 min

Lab File: VF062190.D

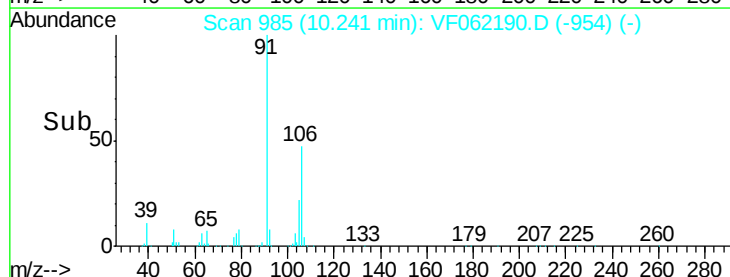
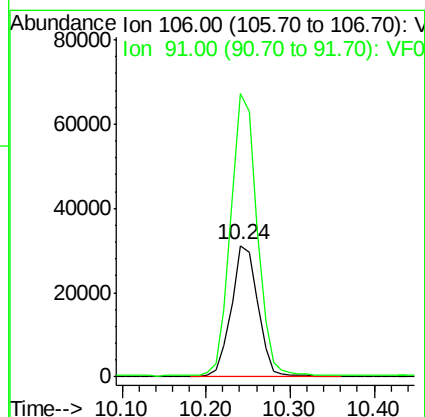
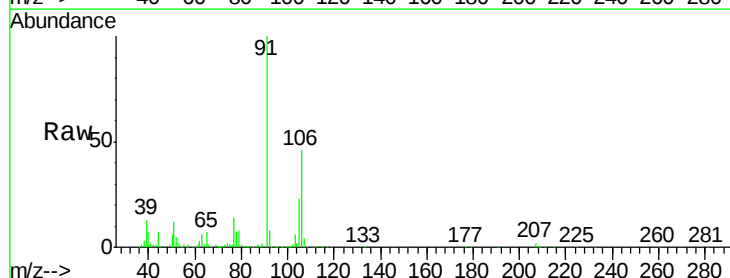
Acq: 17 Apr 2019 17:11

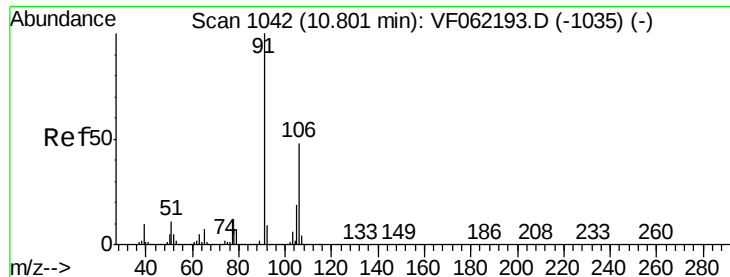
Tgt Ion: 106 Resp: 68993

Ion Ratio Lower Upper

106 100

91 211.4 159.1 238.7





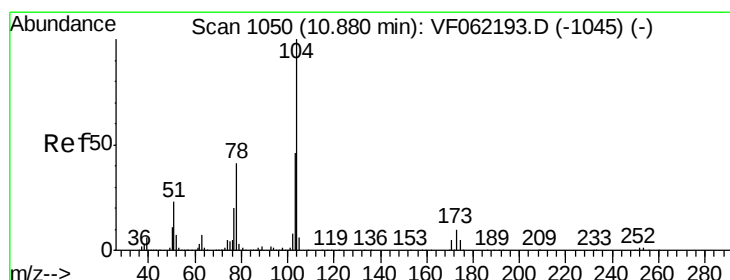
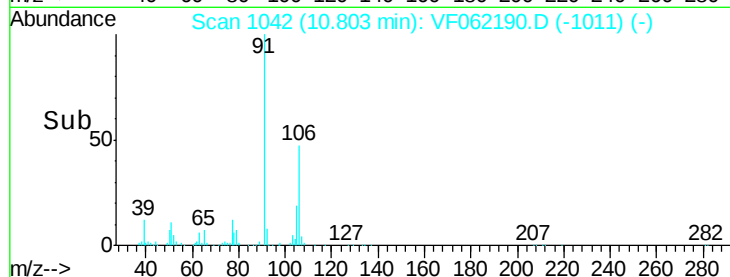
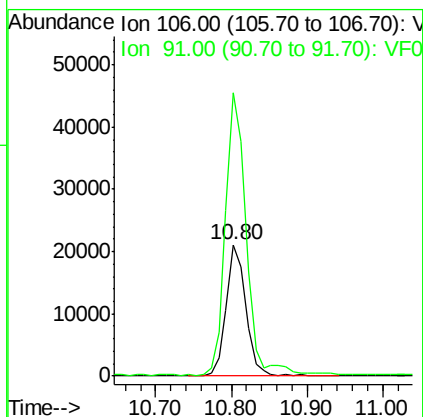
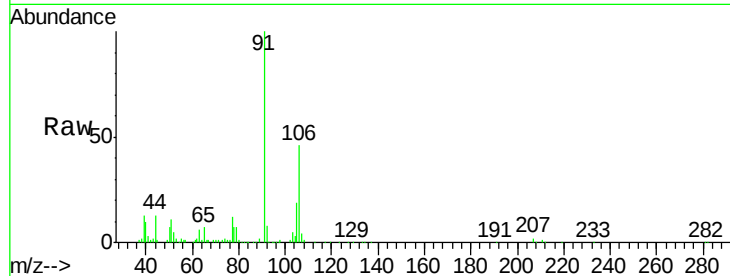
#69
o-Xylene
Concen: 6.517 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 38055
Ion Ratio Lower Upper
106 100
91 227.2 107.5 322.4

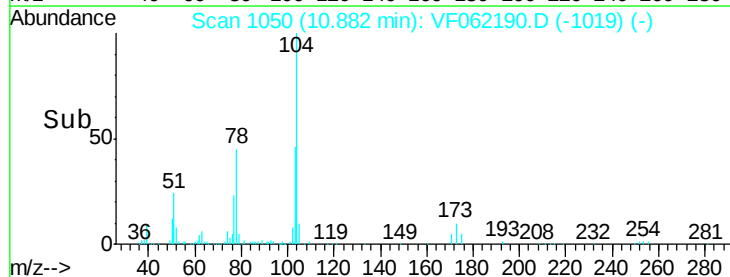
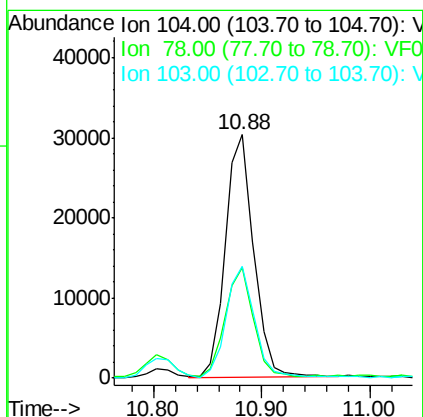
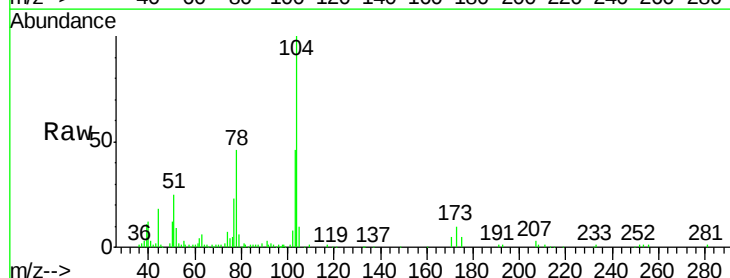
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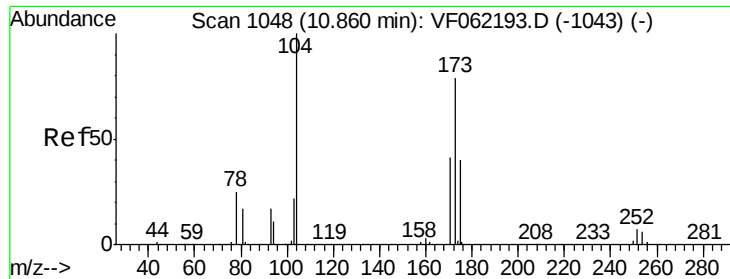
MMDadoda
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#70
Styrene
Concen: 5.716 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion:104 Resp: 55308
Ion Ratio Lower Upper
104 100
78 45.1 34.5 51.7
103 46.5 37.2 55.8





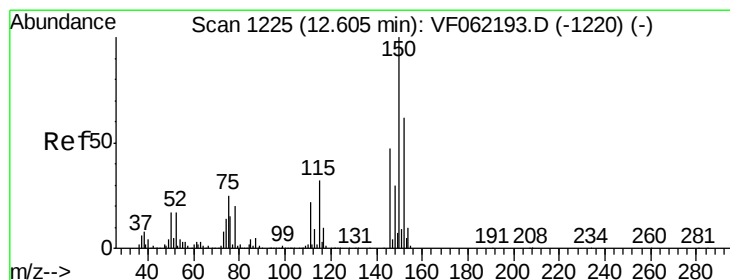
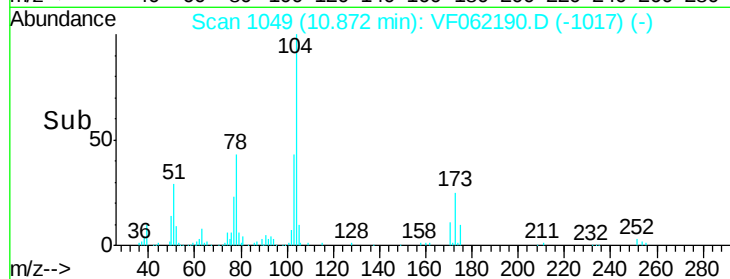
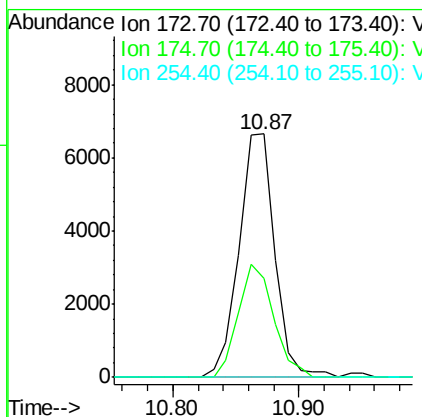
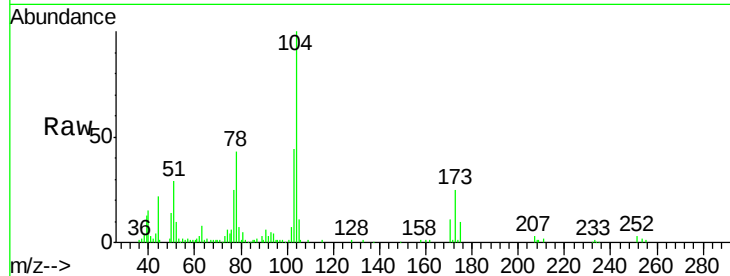
#71
Bromoform
Concen: 5.462 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. 0.01 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.2	24.5	73.5
254	0.0	0.1	0.1#

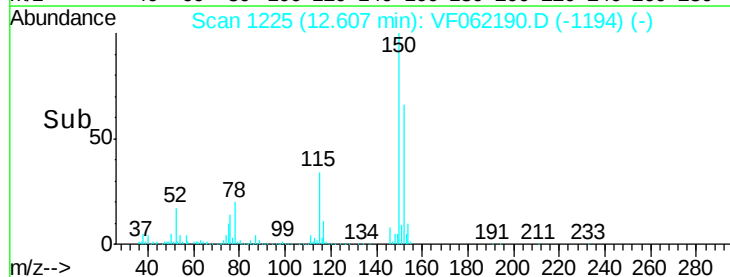
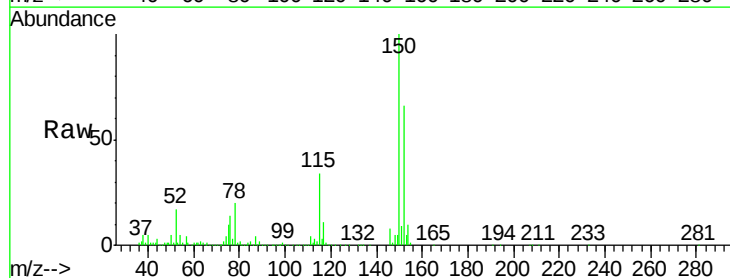
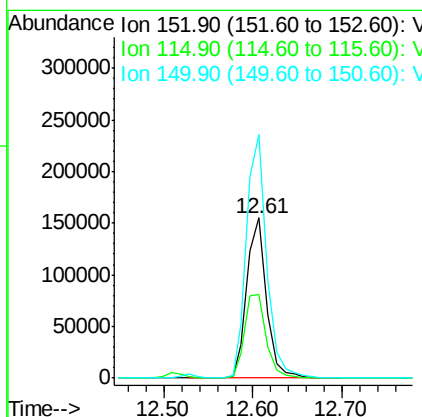
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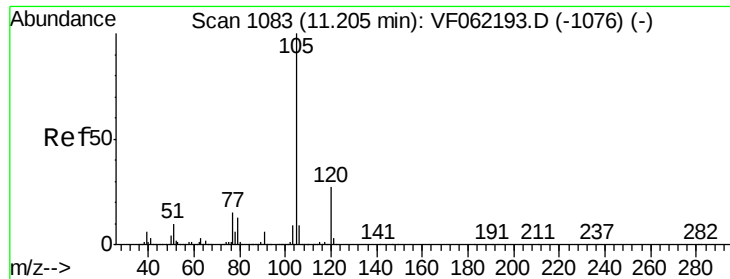
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	27.8	83.3
150	155.5	0.0	341.8





#73

Isopropylbenzene

Concen: 6.329 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 117442

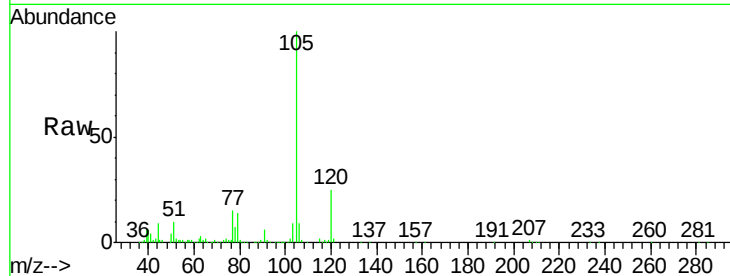
Ion Ratio Lower Upper

105 100

120 24.2 13.0 38.9

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MMDadoda
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.21

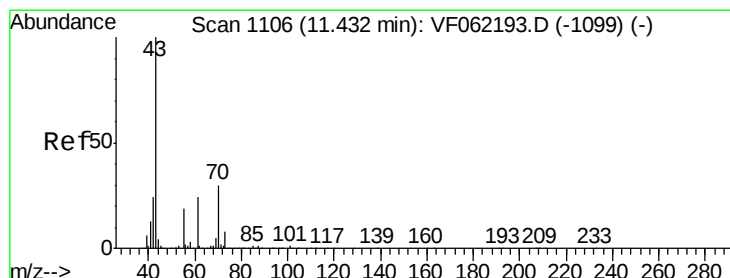
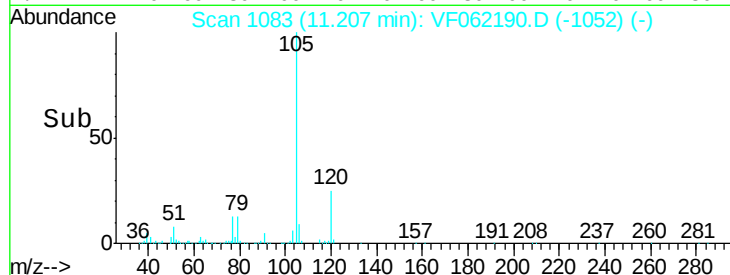
60000

40000

20000

0

Time--> 11.00 11.20 11.40



#74

N-ethyl acetate

Concen: 3.817 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion: 43 Resp: 36095

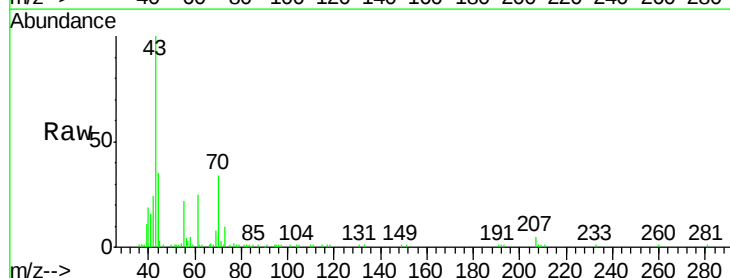
Ion Ratio Lower Upper

43 100

70 33.2 27.0 40.4

55 20.5 15.7 23.5

61 27.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

30000

25000

20000

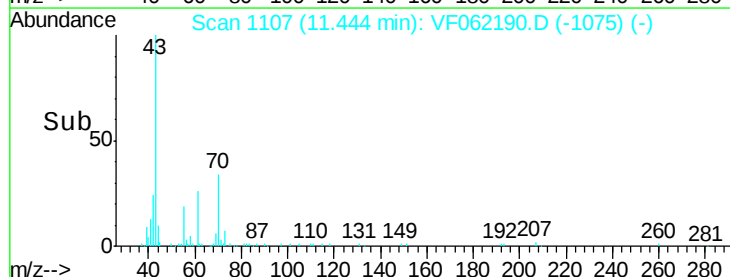
15000

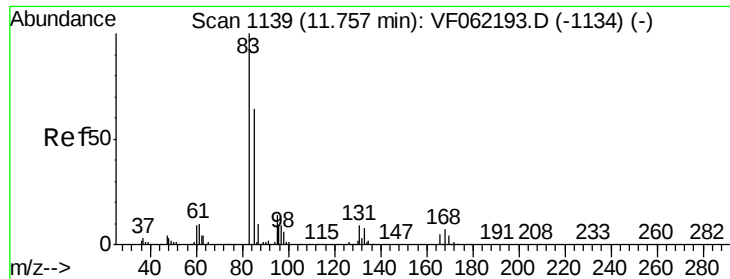
10000

5000

0

Time--> 11.35 11.40 11.45 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 3.291 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

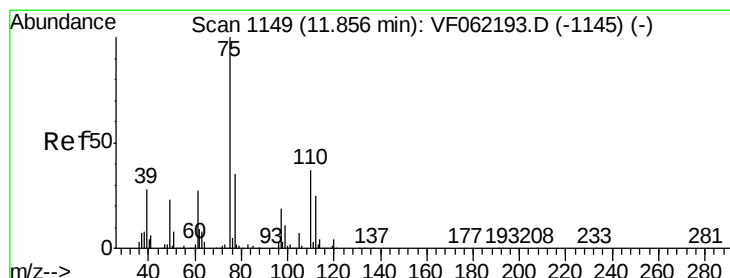
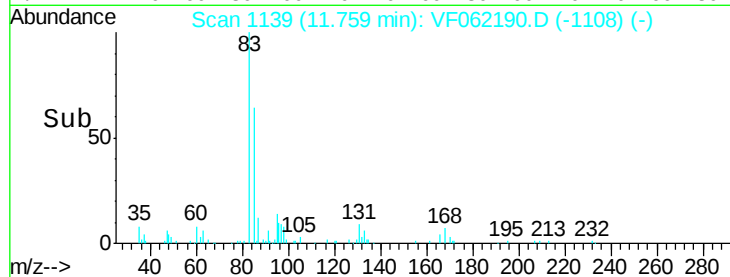
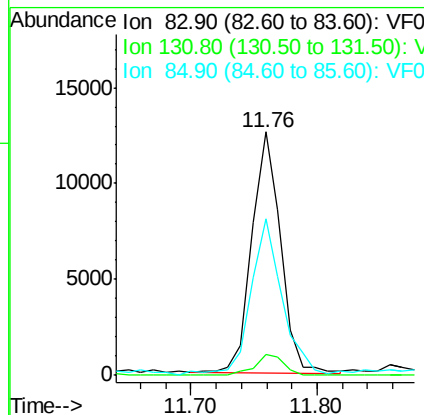
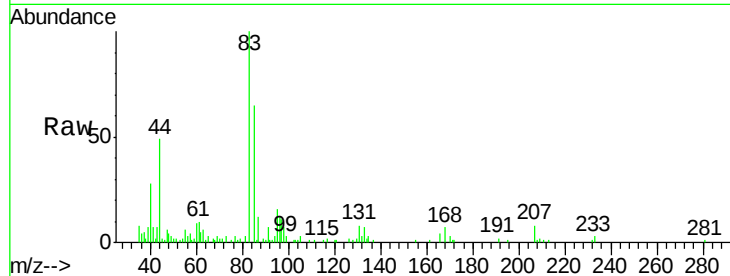
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	20190
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.5	13.5
85	71.2	34.7	104.1

Manual Integrations
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4/19/2019 10:53:05 AM



#76

1,2,3-Trichloropropane

Concen: 2.605 ug/l

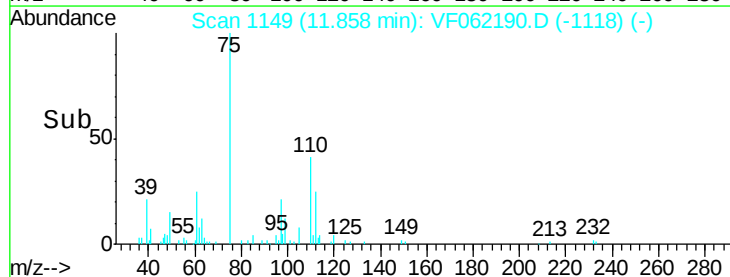
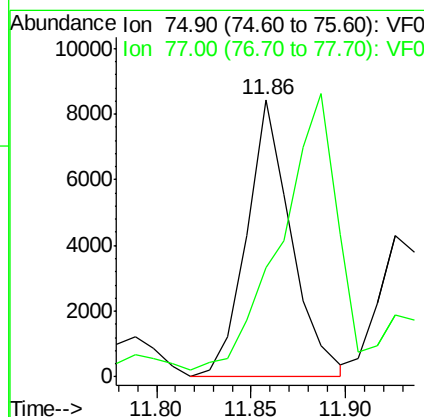
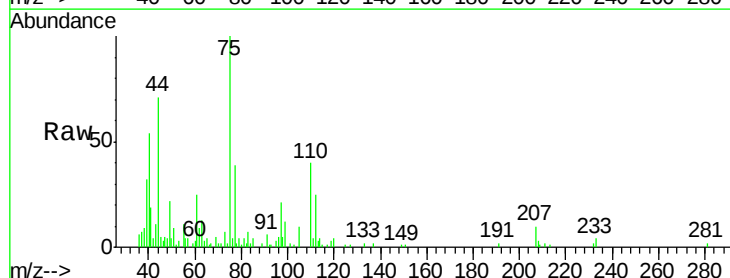
RT: 11.86 min Scan# 1149

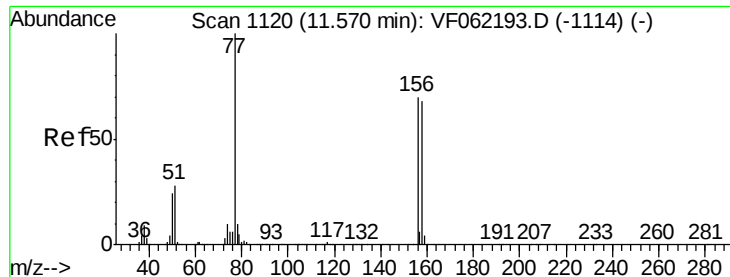
Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion:	75	Resp:	13810
Ion Ratio	Lower	Upper	
75	100		
77	0.0	7.4	22.2#





#77

Bromobenzene

Concen: 5.290 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

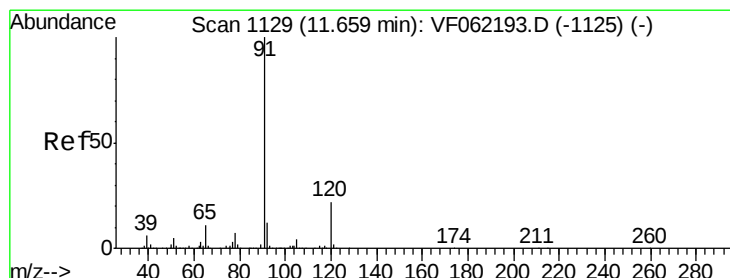
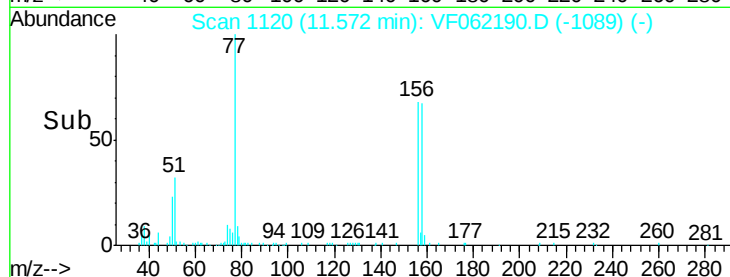
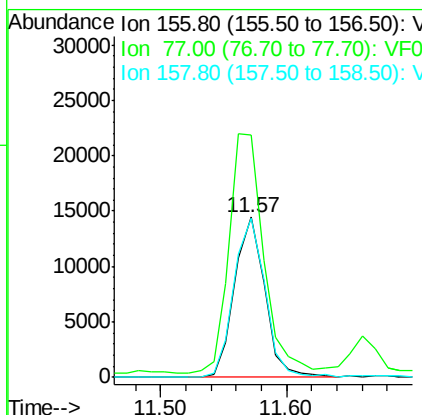
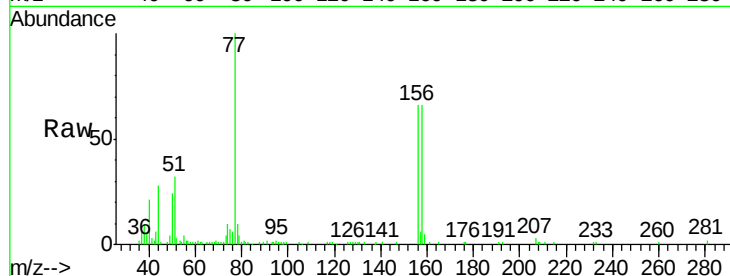
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	24130
Ion Ratio	Lower	Upper	
156	100		
77	168.0	80.9	242.7
158	101.8	49.8	149.4

Manual Integrations
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#78

n-propylbenzene

Concen: 6.348 ug/l

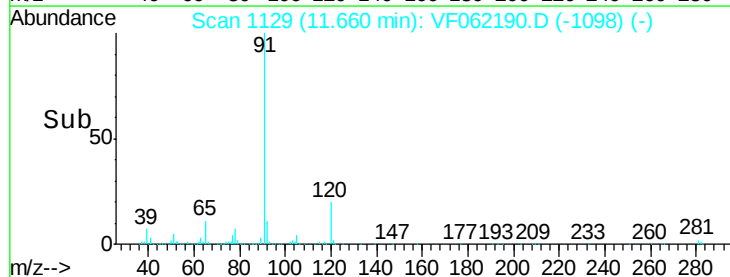
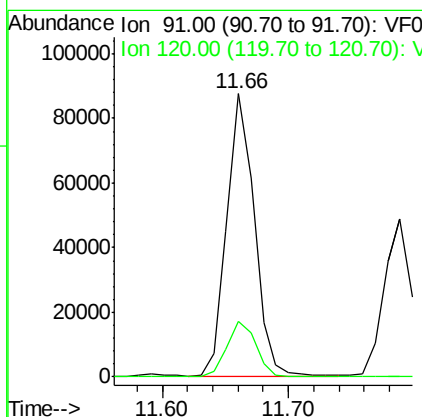
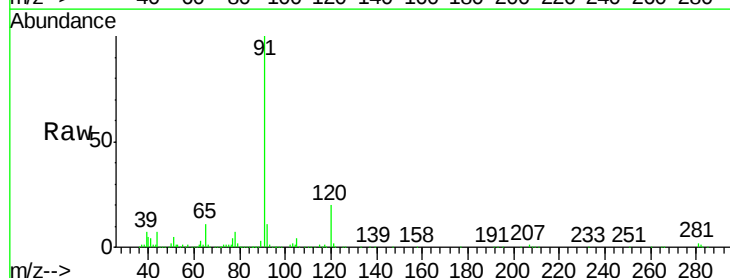
RT: 11.66 min Scan# 1129

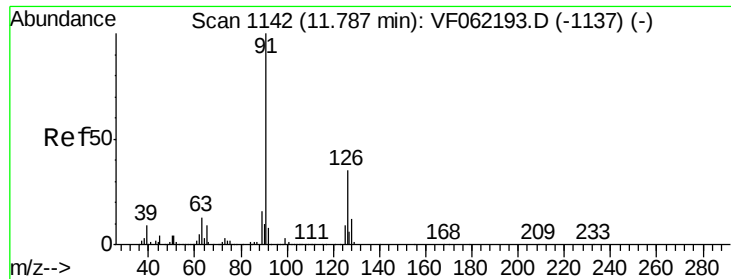
Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion:	91	Resp:	131907
Ion Ratio	Lower	Upper	
91	100		
120	20.8	11.2	33.6





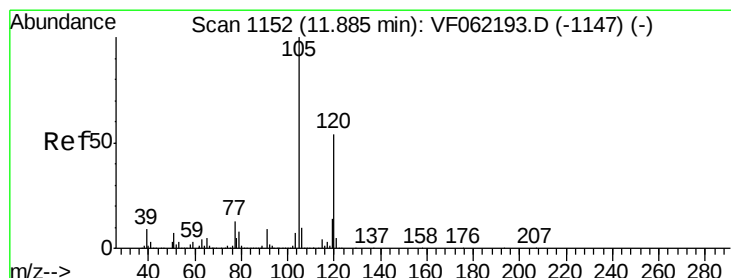
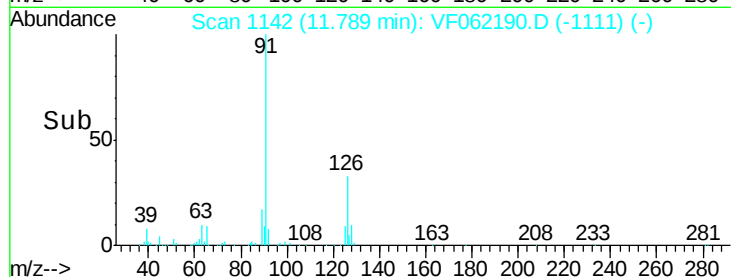
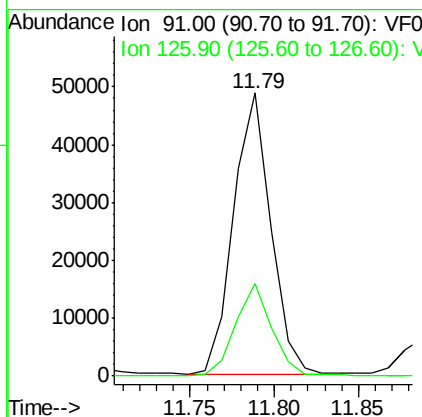
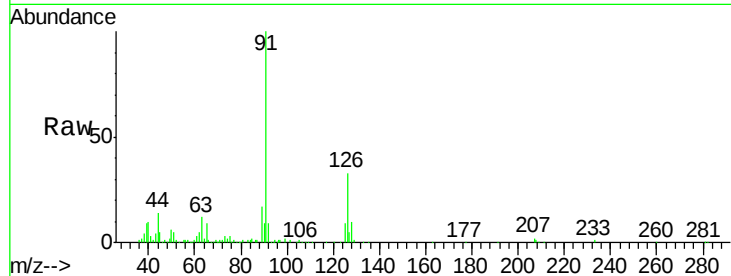
#79
2-Chlorotoluene
Concen: 5.922 ug/l
RT: 11.79 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 74821
Ion Ratio Lower Upper
91 100
126 32.5 16.9 50.6

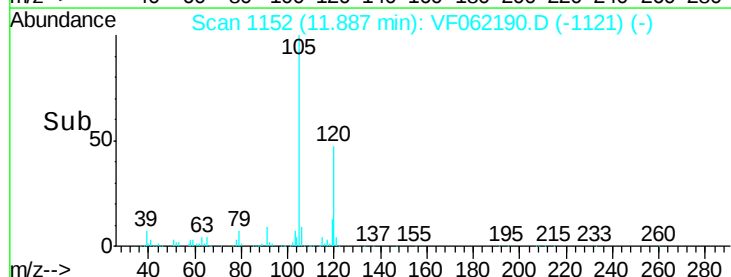
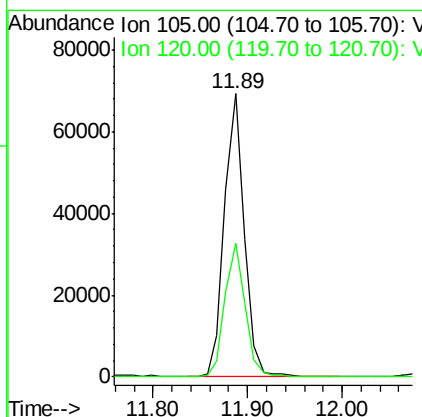
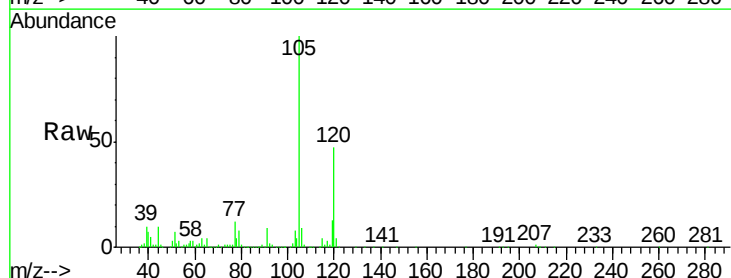
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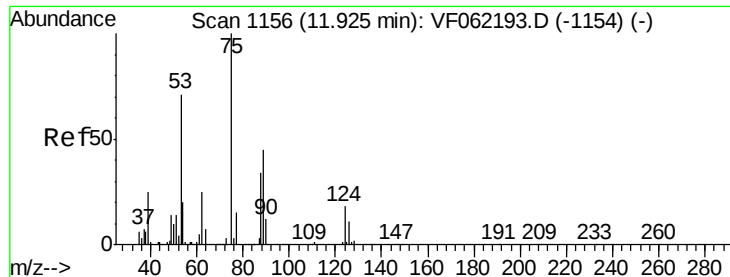
MMDadoda
4/19/2019 10:53:05 AM



#80
1,3,5-Trimethylbenzene
Concen: 6.538 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion:105 Resp: 101395
Ion Ratio Lower Upper
105 100
120 48.0 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 3.646 ug/l m

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

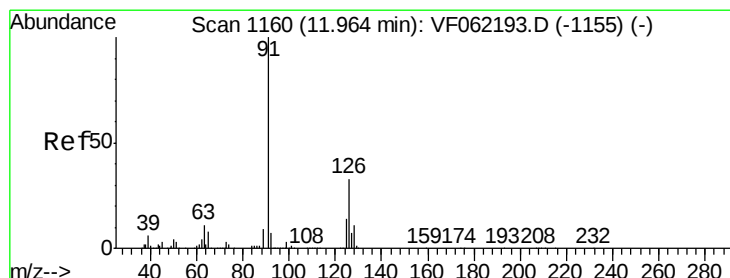
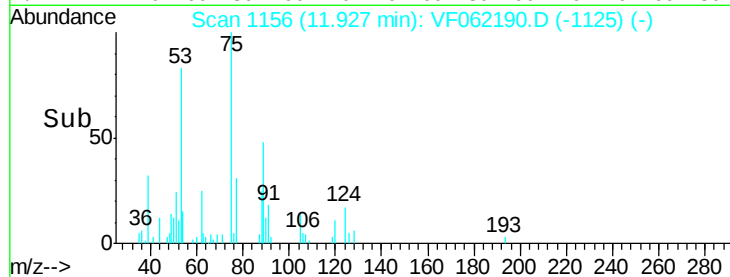
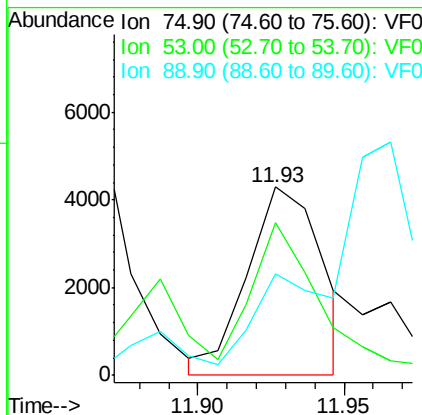
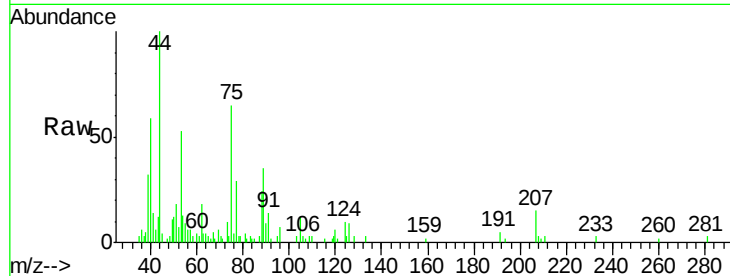
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	7565
Ion	Ratio	Lower	Upper
75	100		
53	73.3	50.2	75.4
89	0.0	0.0	0.0

Manual Integrations
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MMDadoda
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#82

4-Chlorotoluene

Concen: 5.309 ug/l

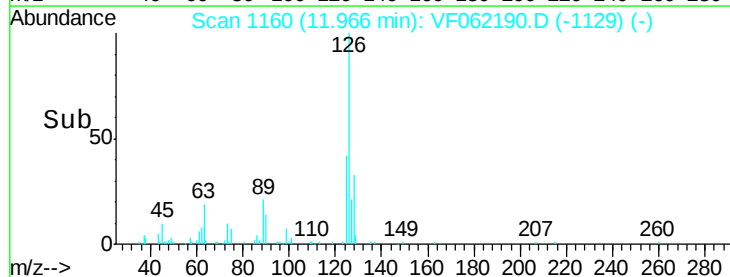
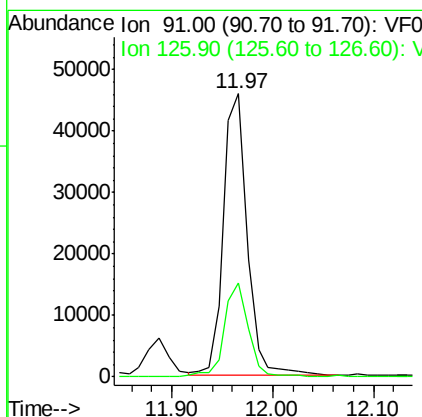
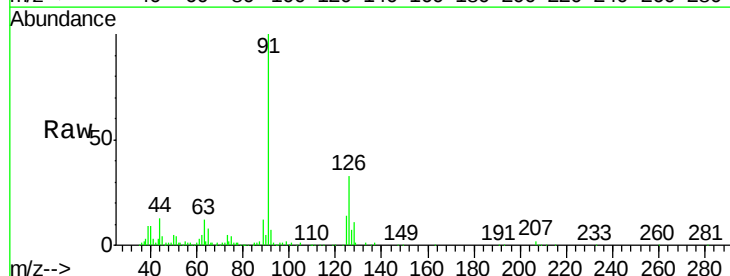
RT: 11.97 min Scan# 1160

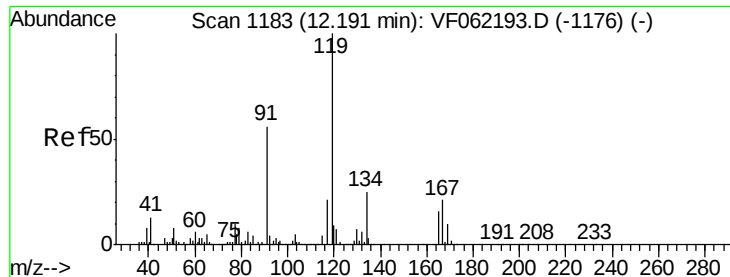
Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion:	91	Resp:	75424
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.6





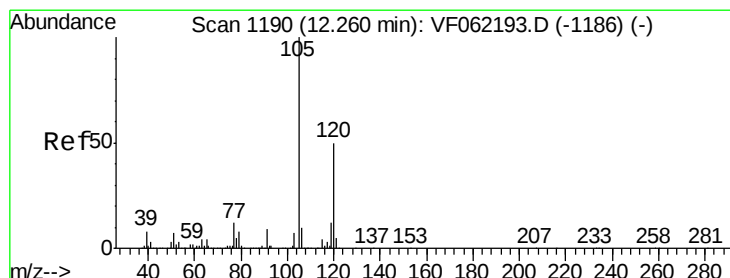
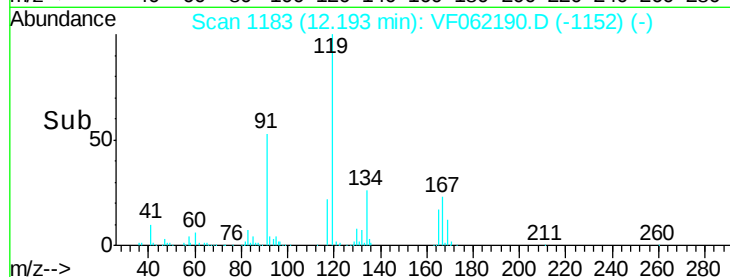
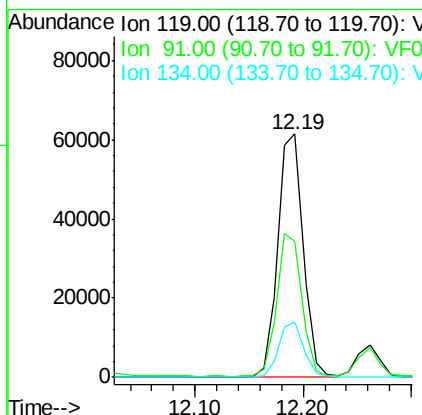
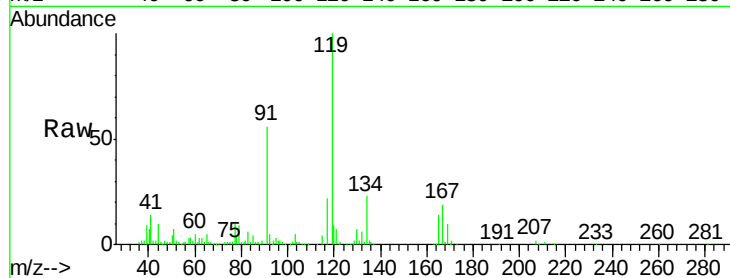
#83
tert-Butylbenzene
Concen: 6.707 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	29.4	88.2
134	22.0	11.8	35.3

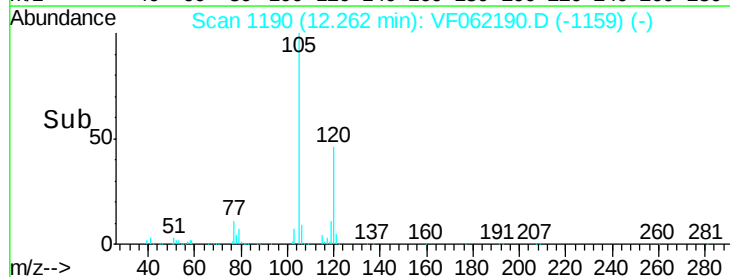
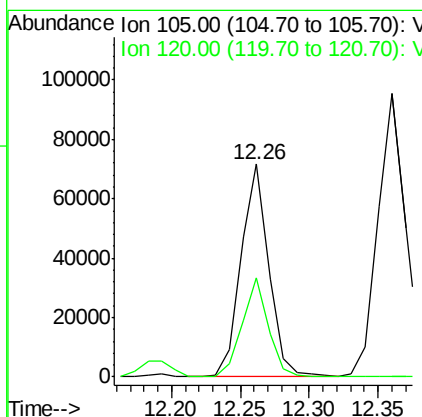
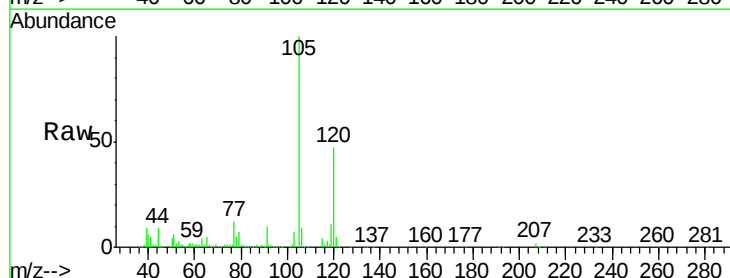
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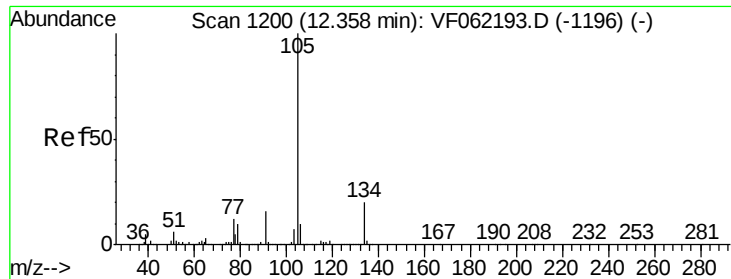
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#84
1,2,4-Trimethylbenzene
Concen: 6.436 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	24.0	72.0





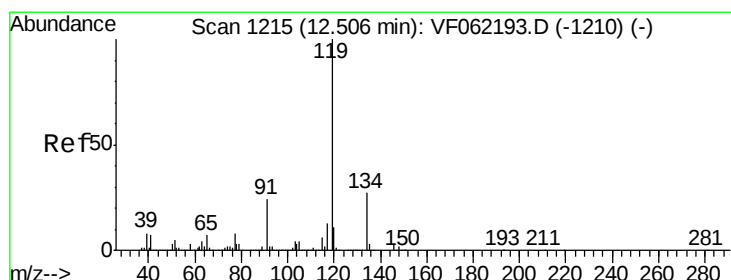
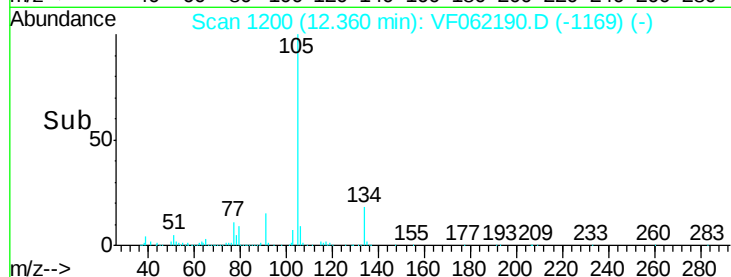
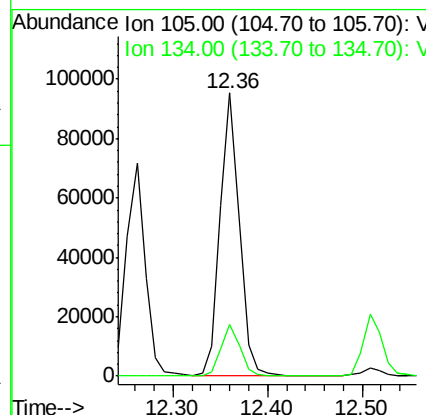
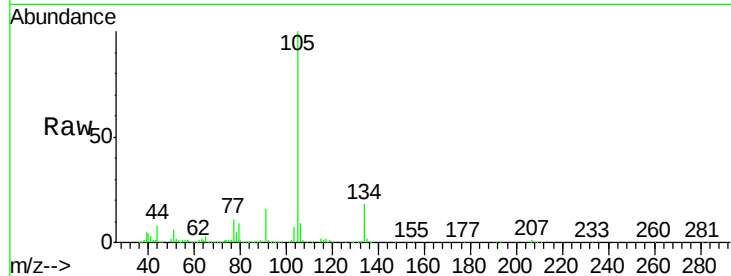
#85
 sec-Butylbenzene
 Concen: 7.342 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.7	29.1

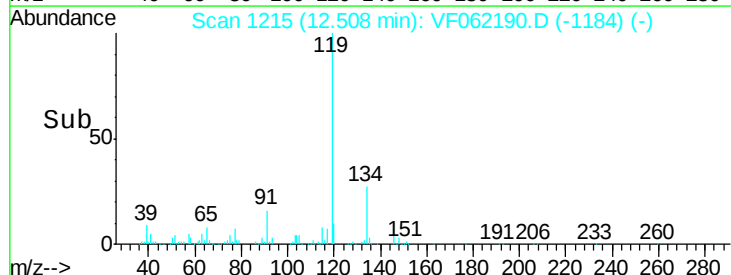
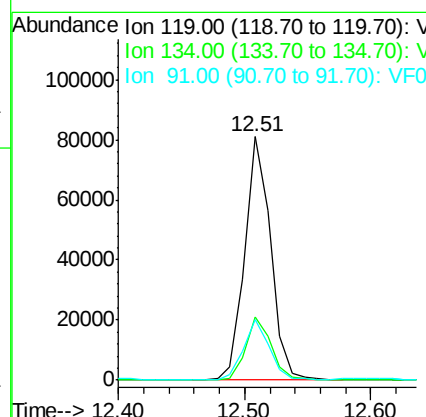
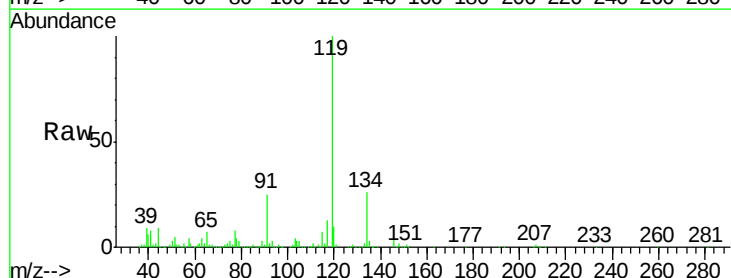
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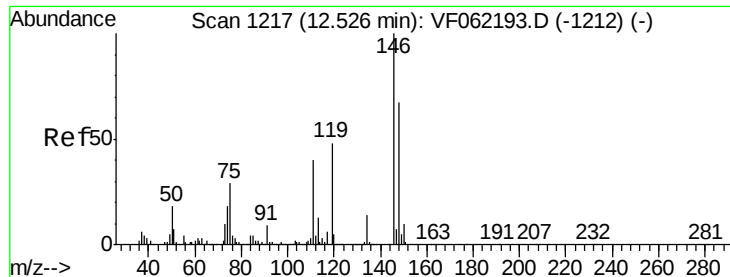
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#86
 p-Isopropyltoluene
 Concen: 6.923 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.2	39.5
91	24.4	11.7	35.1





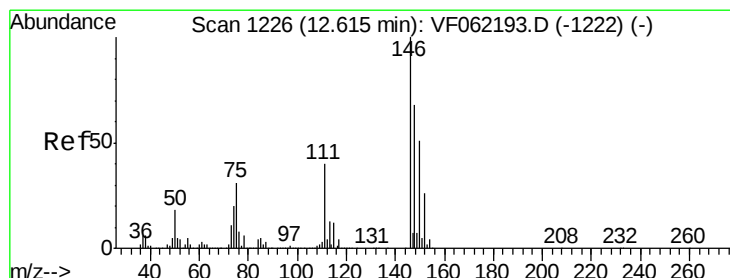
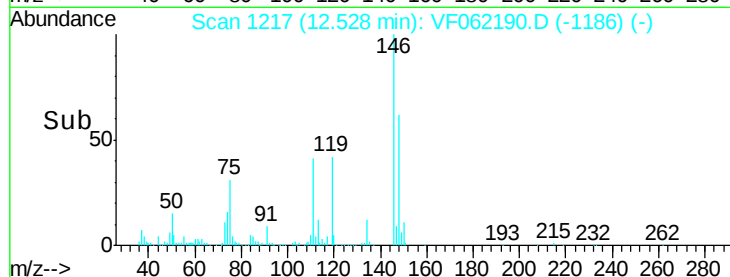
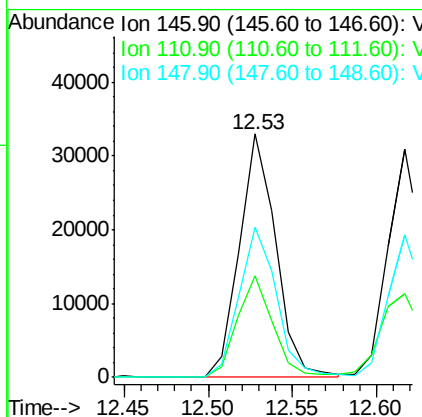
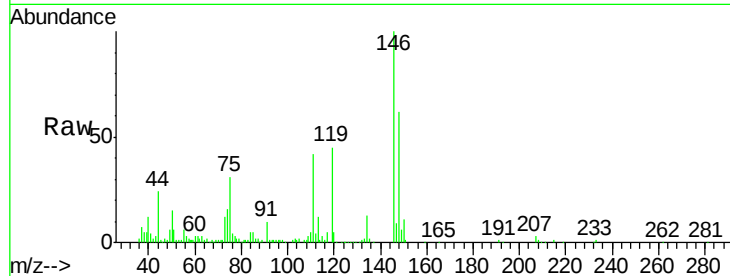
#87
 1,3-Dichlorobenzene
 Concen: 6.191 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.7	59.0
148	64.1	32.9	98.6

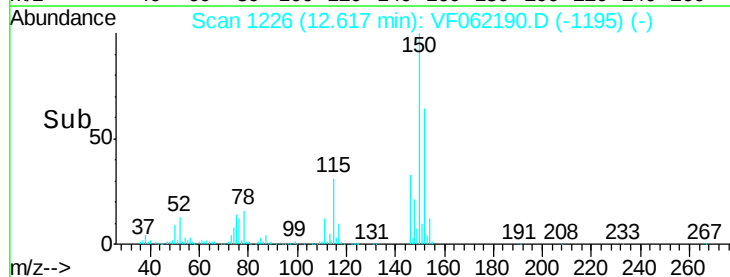
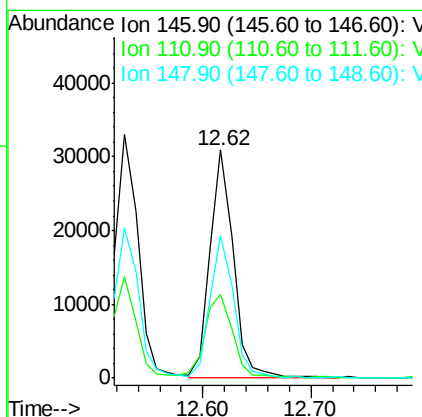
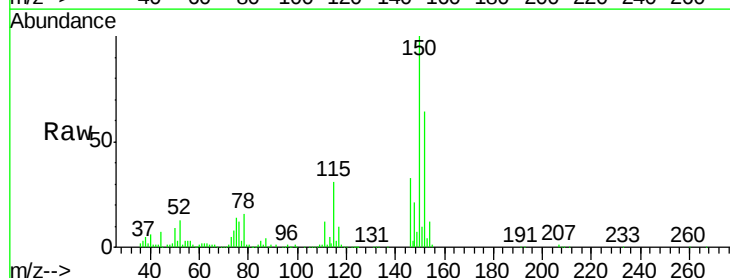
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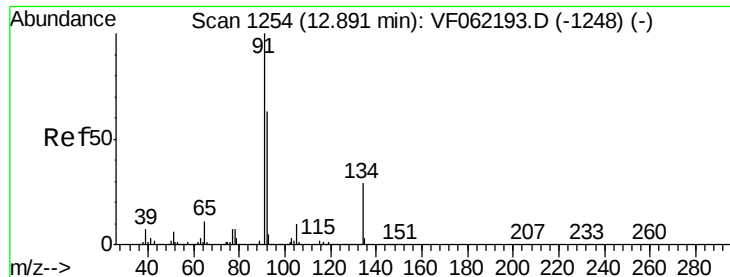
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#88
 1,4-Dichlorobenzene
 Concen: 5.797 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.0	60.0
148	63.1	33.6	100.8





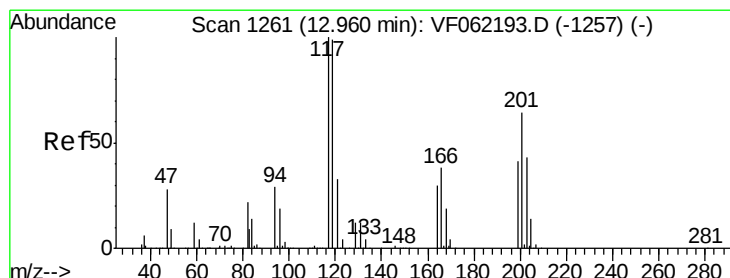
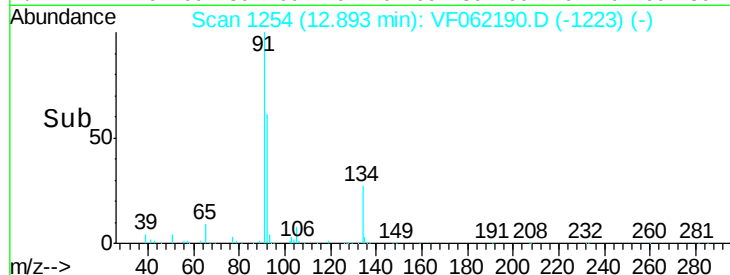
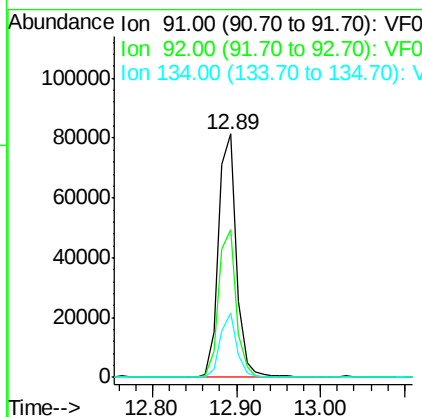
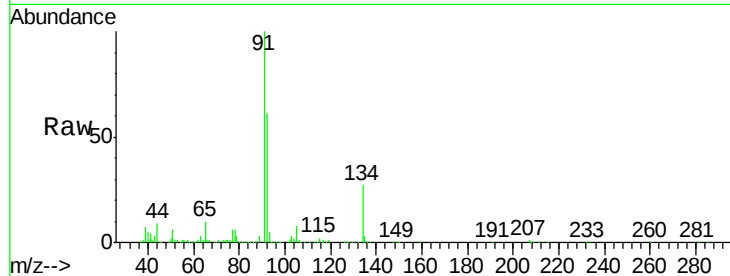
#89
n-Butylbenzene
Concen: 7.880 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.5	31.2	93.6
134	24.8	13.1	39.1

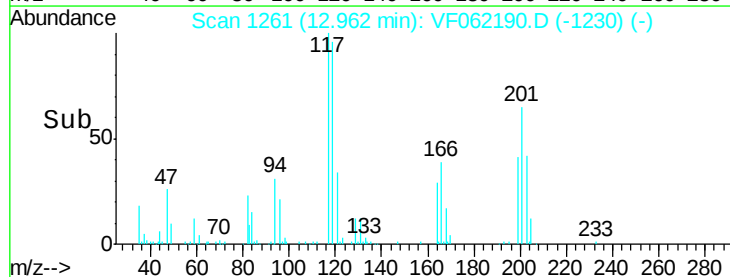
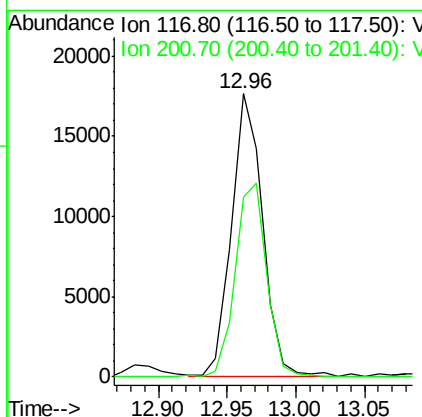
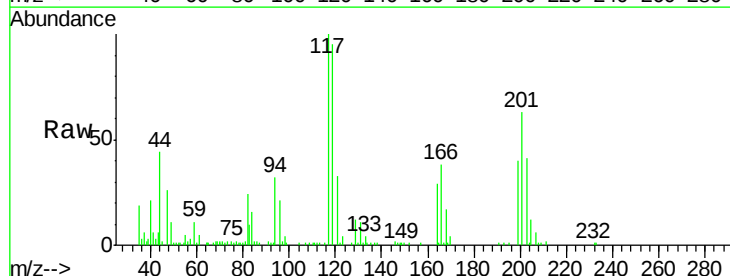
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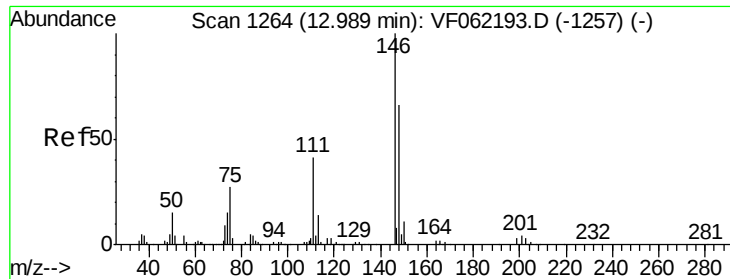
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#90
Hexachloroethane
Concen: 9.190 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.3	37.7	113.1





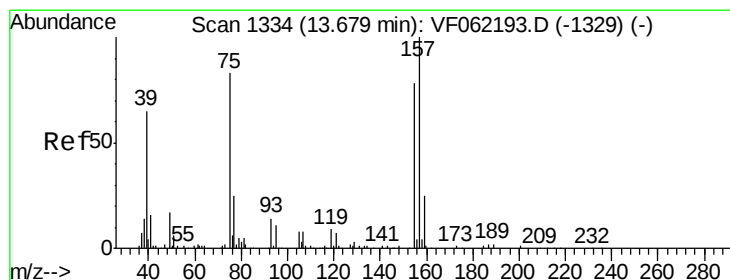
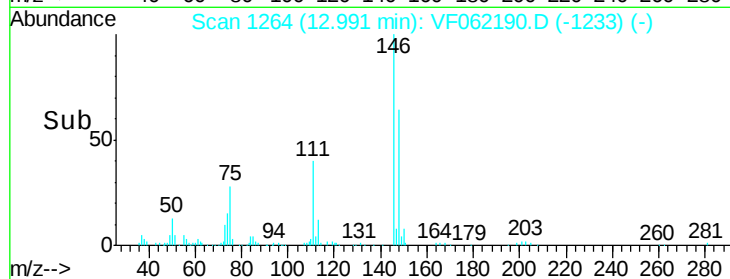
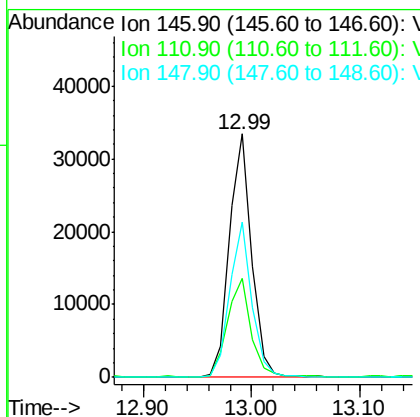
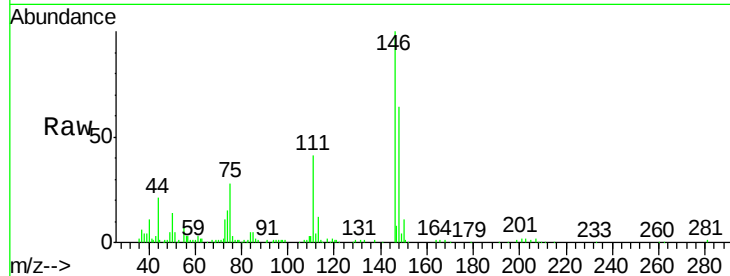
#91
 1,2-Dichlorobenzene
 Concen: 6.066 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.8	62.5
148	63.9	33.0	99.0

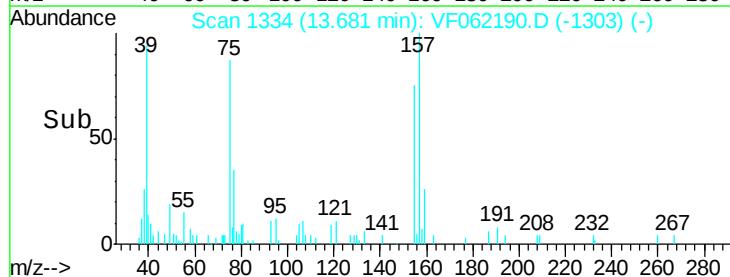
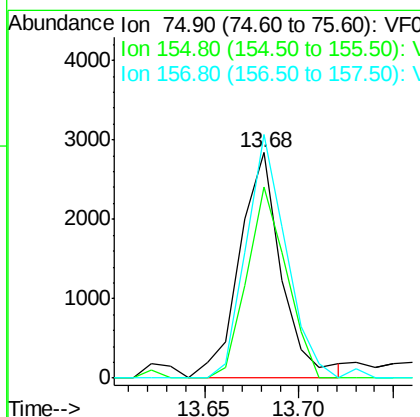
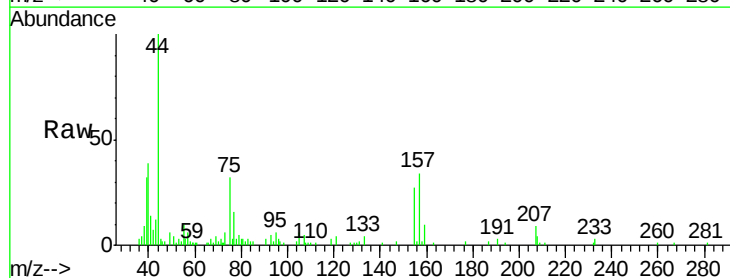
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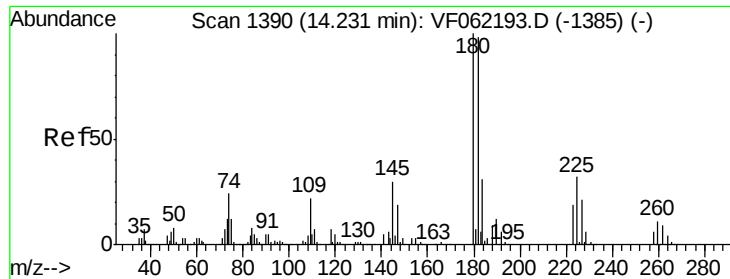
MMDadoda
 4/19/2019 10:53:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.170 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	47.6	142.8
157	104.2	61.3	183.9





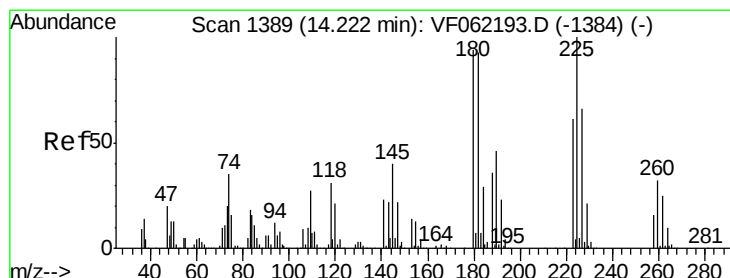
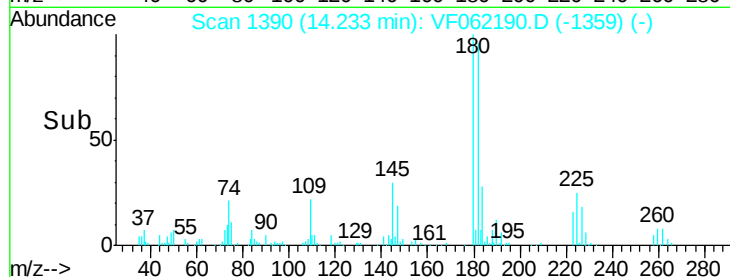
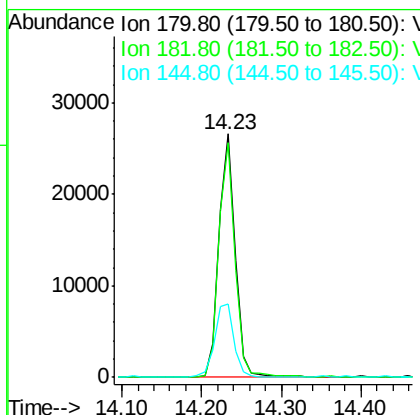
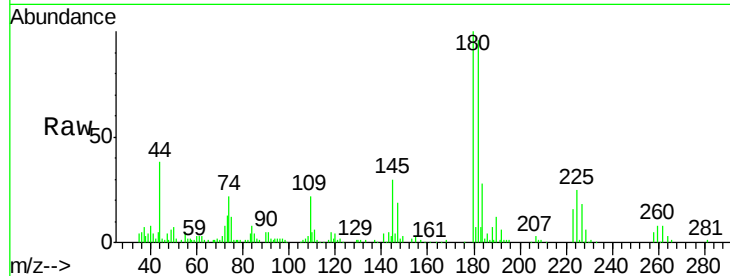
#93
 1,2,4-Trichlorobenzene
 Concen: 6.665 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	38871		
182	96.0	49.3	147.9	
145	35.4	18.1	54.4	

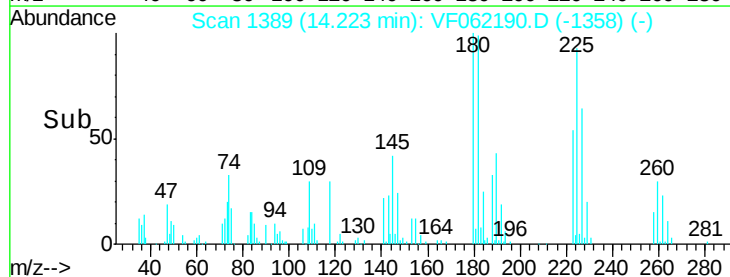
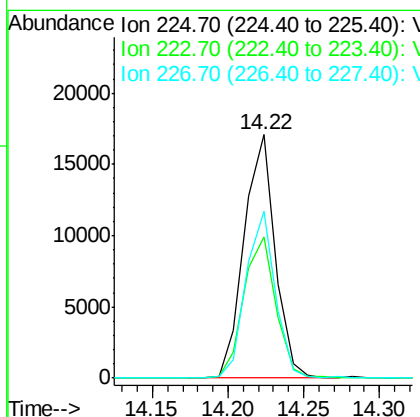
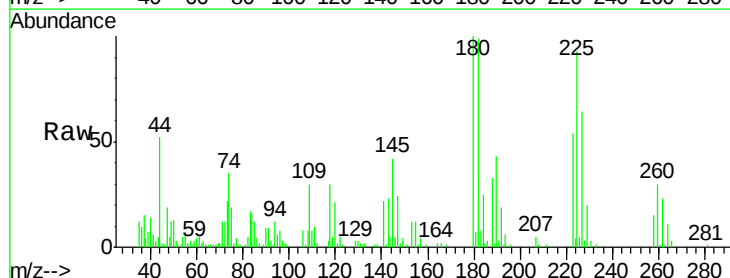
Manual Integrations
 APPROVED

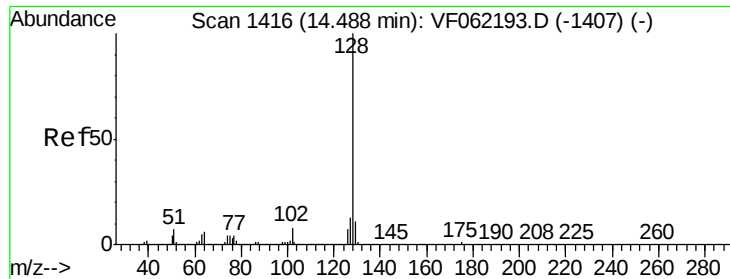
MMDadoda
 4/19/2019 10:53:05 AM



#94
 Hexachlorobutadiene
 Concen: 7.786 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24410		
223	60.1	31.0	93.0	
227	65.0	32.4	97.0	





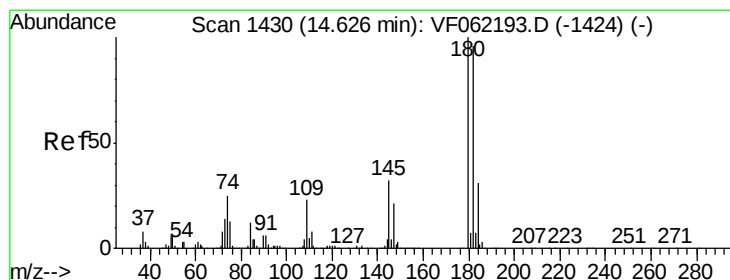
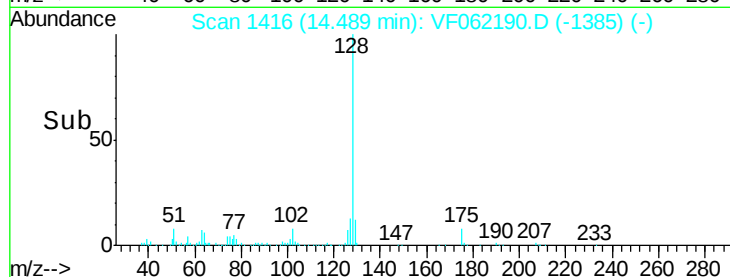
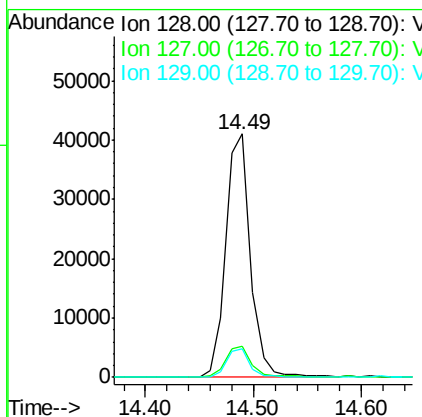
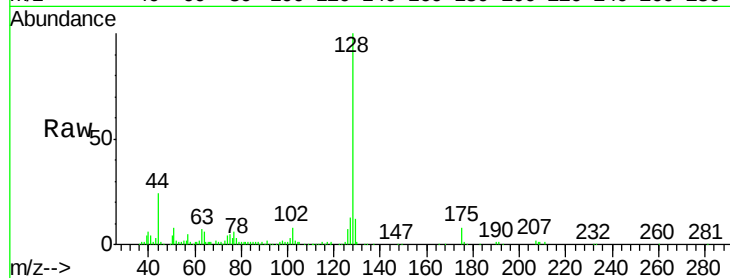
#95
Naphthalene
Concen: 3.800 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	11.3	9.2	13.8

Manual Integrations
APPROVED

MMDadoda
4/19/2019 10:53:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 6.199 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.4	145.3
145	31.7	15.6	46.8

