

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062255.D
 Acq On : 22 Apr 2019 20:38
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 9:22:28 AM

Quant Time: Apr 23 02:00:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	391762	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	533295	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	416939	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	236315	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	198810	55.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	110.68%	
35) Dibromofluoromethane	4.31	113	256492	54.98	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.96%	
50) Toluene-d8	7.71	98	622834	52.74	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	11.49	95	240246	52.89	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	286602	48.140	ug/l	97
3) Chloromethane	1.15	50	266325	43.280	ug/l	100
4) Vinyl Chloride	1.19	62	240803	45.548	ug/l	98
5) Bromomethane	1.39	94	165016	53.730	ug/l	96
6) Chloroethane	1.45	64	111983	50.668	ug/l	94
7) Trichlorofluoromethane	1.56	101	369981	55.087	ug/l	99
8) Diethyl Ether	1.71	74	67162	48.046	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	235150	51.250	ug/l	99
10) Methyl Iodide	1.98	142	419333	51.445	ug/l #	88
11) Tert butyl alcohol	2.69	59	55489	222.221	ug/l	96
12) 1,1-Dichloroethene	1.87	96	214633	49.182	ug/l	94
13) Acrolein	2.10	56	38566	350.457	ug/l	93
14) Allyl chloride	2.20	41	283542m	56.614	ug/l	
15) Acrylonitrile	3.09	53	175560	230.838	ug/l	97
16) Acetone	2.35	43	197230	229.700	ug/l	95
17) Carbon Disulfide	1.92	76	572074	47.175	ug/l	100
18) Methyl Acetate	2.46	43	86570	46.380	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	403548	52.374	ug/l	99
20) Methylene Chloride	2.35	84	199475m	46.915	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	209997	48.659	ug/l	96
22) Diisopropyl ether	2.94	45	612007	47.771	ug/l	97
23) Vinyl Acetate	3.35	43	1345145	220.374	ug/l	99
24) 1,1-Dichloroethane	3.02	63	354511	50.585	ug/l	99
25) 2-Butanone	4.52	43	344842	200.852	ug/l	96
26) 2,2-Dichloropropane	3.77	77	174272	49.254	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	272733	48.800	ug/l	96
28) Bromochloromethane	3.90	49	148180	44.139	ug/l #	8
29) Tetrahydrofuran	4.27	42	155999	200.738	ug/l	97
30) Chloroform	4.05	83	416242	48.328	ug/l	97
31) Cyclohexane	3.88	56	355810	42.365	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	338729	53.728	ug/l #	86
36) 1,1-Dichloropropene	4.47	75	311702	48.750	ug/l	99
37) Ethyl Acetate	4.31	43	129481	42.915	ug/l #	96
38) Carbon Tetrachloride	4.19	117	308147m	54.448	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	369409	48.254	ug/l	97
40) Benzene	4.82	78	807647	48.158	ug/l	98
41) Methacrylonitrile	4.94	41	82995	47.688	ug/l	93
42) 1,2-Dichloroethane	5.13	62	225002	50.749	ug/l	99
43) Isopropyl Acetate	7.12	43	129191	40.712	ug/l	97
44) Trichloroethene	5.69	130	235866	52.047	ug/l	97
45) 1,2-Dichloropropane	6.42	63	170451	46.140	ug/l	98
46) Dibromomethane	6.26	93	124555	50.677	ug/l	93
47) Bromodichloromethane	6.55	83	284583	51.309	ug/l #	97
48) Methyl methacrylate	6.88	41	92292	44.255	ug/l	94
49) 1,4-Dioxane	6.87	88	19930	833.301	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	486430	206.092	ug/l	98
52) Toluene	7.78	92	425225	48.100	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	201137	48.282	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	267382	47.450	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	125261	50.579	ug/l	99
56) Ethyl methacrylate	8.75	69	128986	45.809	ug/l	99
57) 1,3-Dichloropropane	9.00	76	185279	46.331	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	194471	237.886	ug/l	94
59) 2-Hexanone	9.62	43	281539	191.313	ug/l	96
60) Dibromochloromethane	8.86	129	200261	54.373	ug/l	97
61) 1,2-Dibromoethane	9.13	107	142371	51.027	ug/l	97
64) Tetrachloroethene	8.31	164	210359	55.890	ug/l	96
65) Chlorobenzene	9.94	112	456768	51.378	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	224444	53.910	ug/l	98
67) Ethyl Benzene	10.03	91	785065	48.563	ug/l	99
68) m/p-Xylenes	10.26	106	600039	100.828	ug/l	95
69) o-Xylene	10.82	106	334226	50.584	ug/l	99
70) Styrene	10.89	104	467888	50.179	ug/l	99
71) Bromoform	10.88	173	120952	55.024	ug/l #	98
73) Isopropylbenzene	11.22	105	967198	47.646	ug/l	98
74) N-amyl acetate	11.44	43	182087	37.245	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	163418	46.811	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	110103	45.841	ug/l #	64
77) Bromobenzene	11.58	156	236142	54.303	ug/l	87
78) n-propylbenzene	11.67	91	994184	46.426	ug/l	97
79) 2-Chlorotoluene	11.80	91	608322	46.830	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	826662	48.895	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	44701m	36.492	ug/l	
82) 4-Chlorotoluene	11.98	91	574011	45.724	ug/l	96
83) tert-Butylbenzene	12.19	119	852366	48.751	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	625698	38.243	ug/l	97
85) sec-Butylbenzene	12.37	105	1058234	46.620	ug/l	98
86) p-Isopropyltoluene	12.52	119	941525	48.898	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	394927	48.940	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	382851	49.187	ug/l	98
89) n-Butylbenzene	12.89	91	820954	52.057	ug/l	99
90) Hexachloroethane	12.97	117	249140	50.388	ug/l	91
91) 1,2-Dichlorobenzene	13.00	146	387685	49.755	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	31433	45.828	ug/l	85

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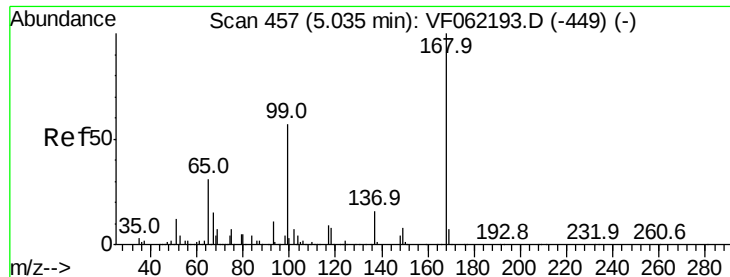
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	336171	51.565	ug/l	99
94) Hexachlorobutadiene	14.22	225	249022	55.706	ug/l	100
95) Naphthalene	14.49	128	558372	48.983	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	330664	52.831	ug/l	99

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



#1

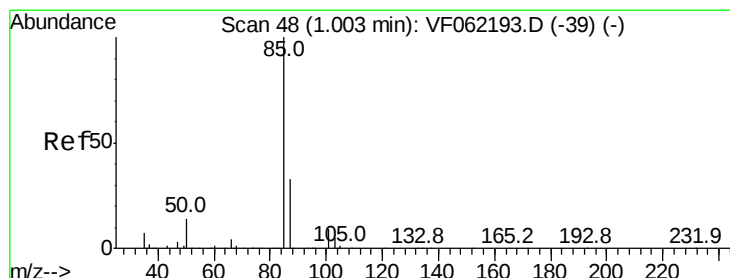
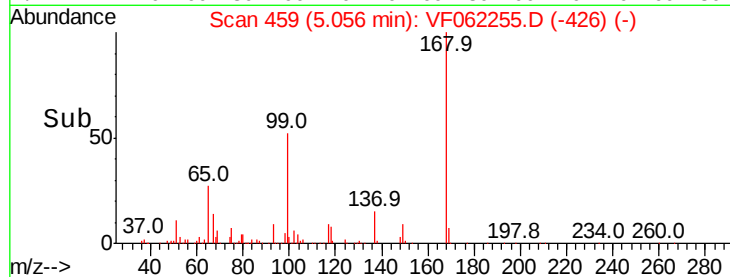
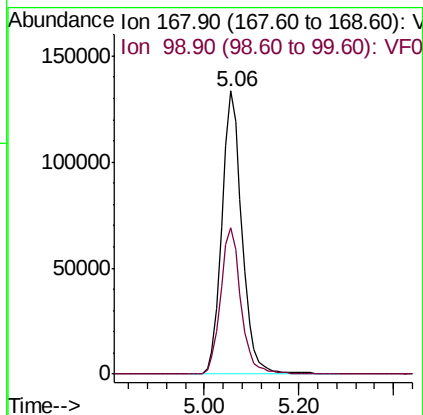
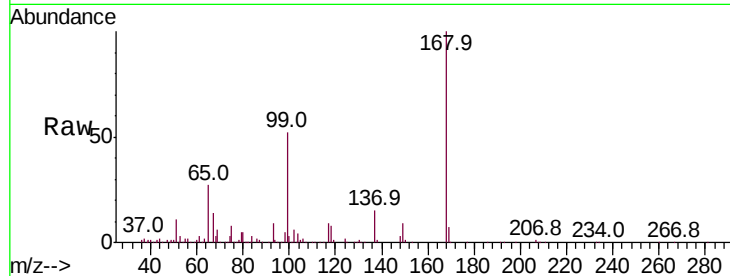
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.02 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.8	45.5	68.3

Manual Integrations
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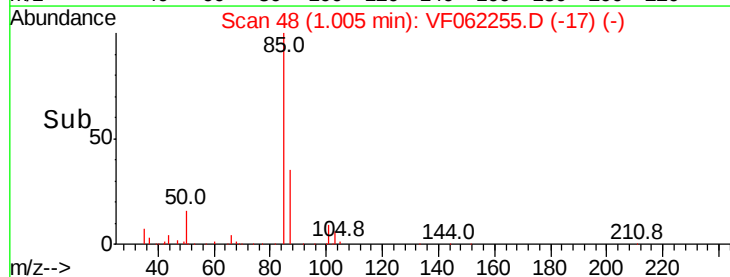
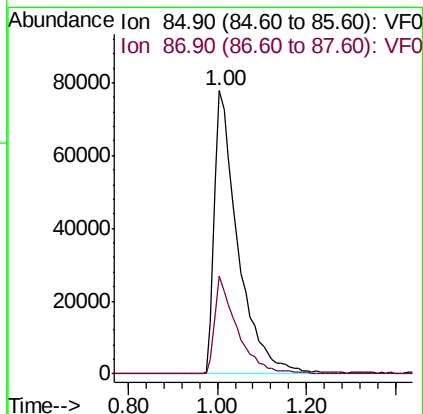
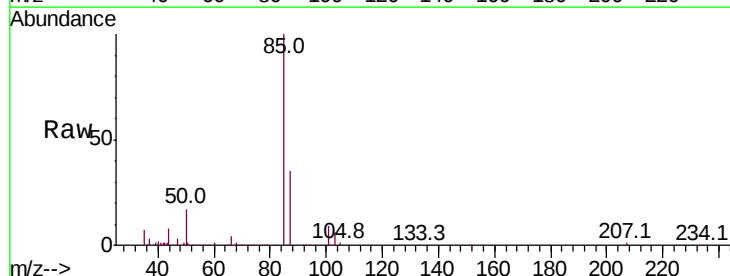
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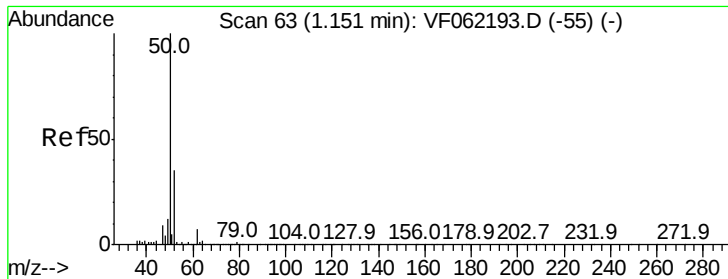


#2

Dichlorodifluoromethane
 Concen: 48.140 ug/l
 RT: 1.00 min Scan# 48
 Delta R.T. 0.00 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.6	16.4	49.1





#3

Chloromethane

Concen: 43.280 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 266325

Ion Ratio Lower Upper

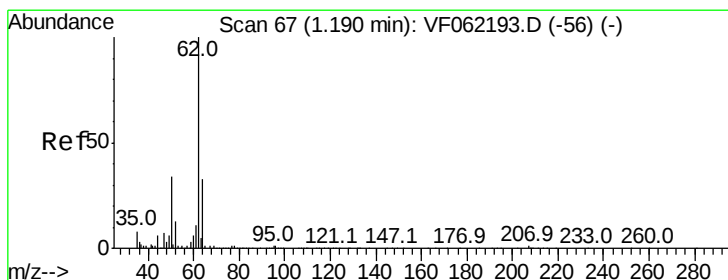
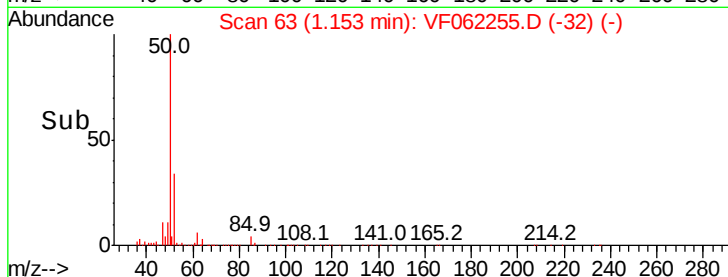
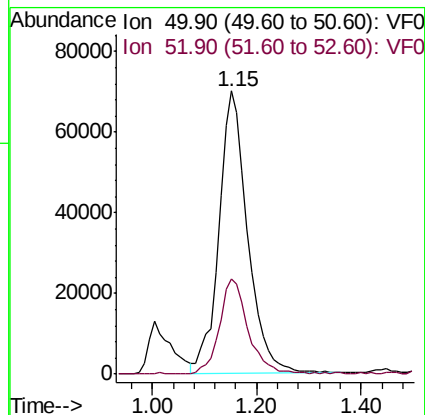
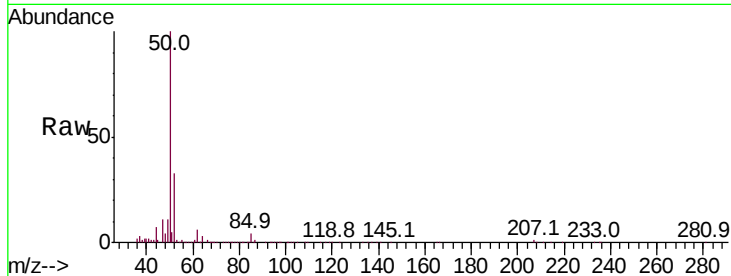
50 100

52 33.5 27.0 40.4

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 45.548 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062255.D

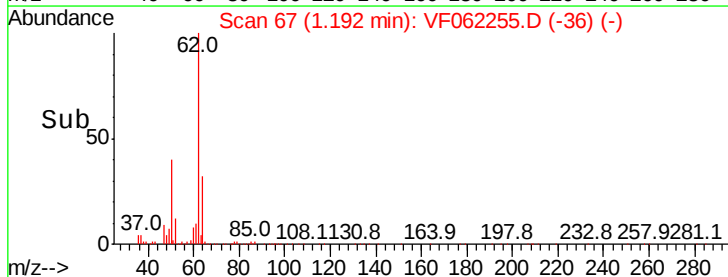
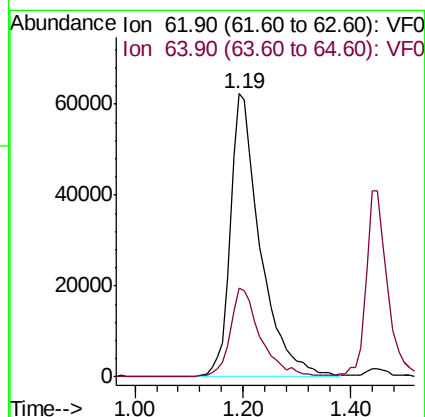
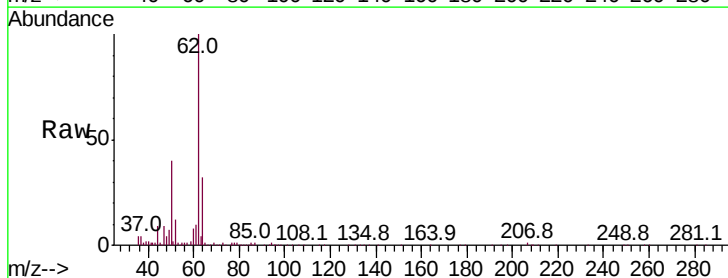
Acq: 22 Apr 2019 20:38

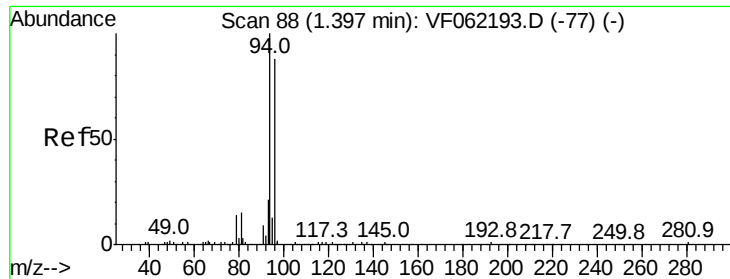
Tgt Ion: 62 Resp: 240803

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.4





#5

Bromomethane

Concen: 53.730 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 165016

Ion Ratio Lower Upper

94 100

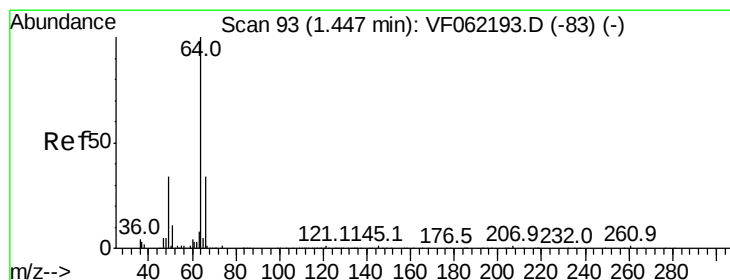
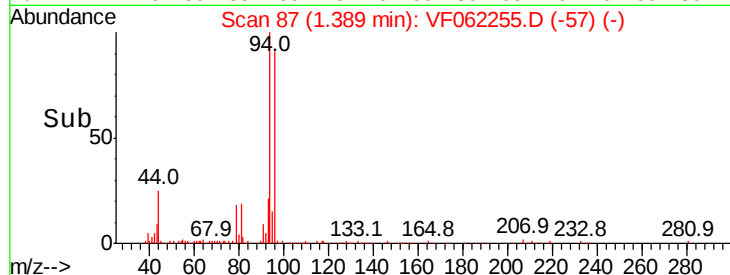
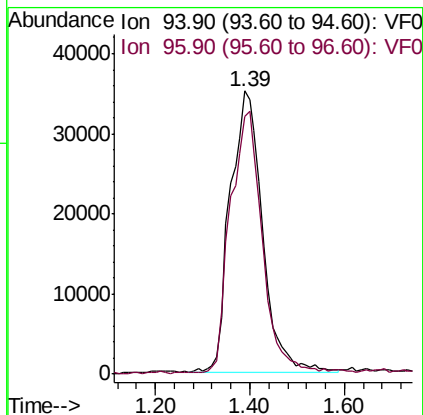
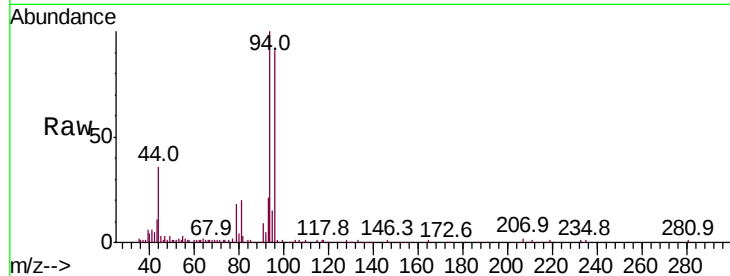
96 91.2 70.2 105.4

Manual Integrations

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#6

Chloroethane

Concen: 50.668 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062255.D

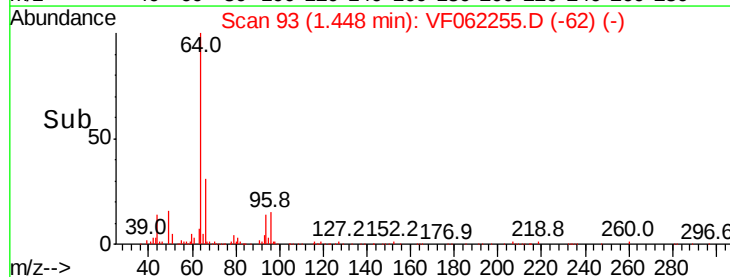
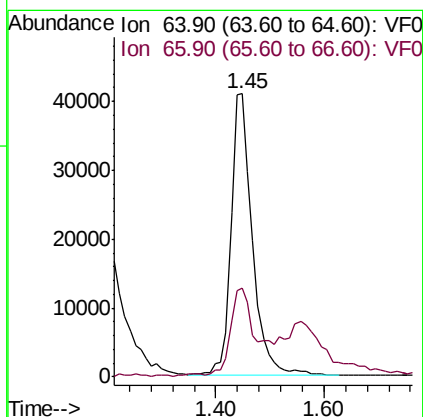
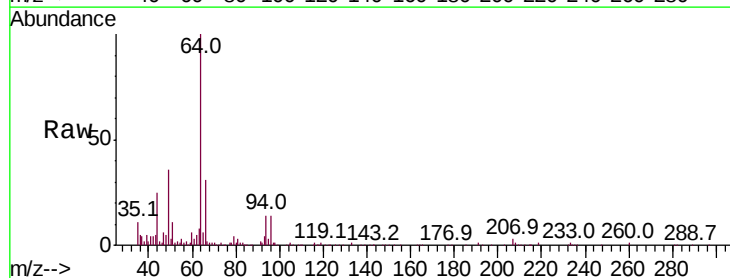
Acq: 22 Apr 2019 20:38

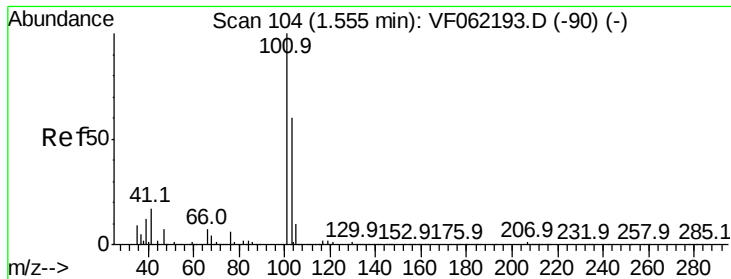
Tgt Ion: 64 Resp: 111983

Ion Ratio Lower Upper

64 100

66 30.5 27.0 40.4





#7

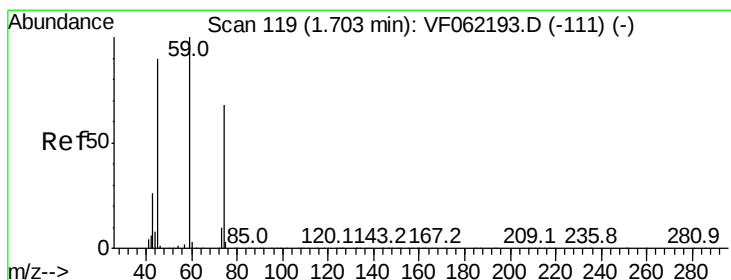
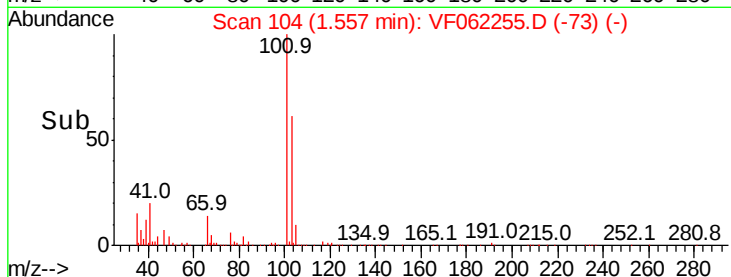
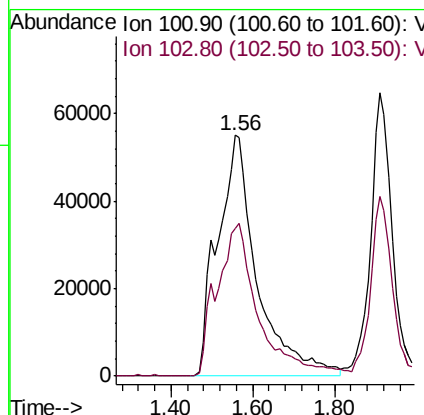
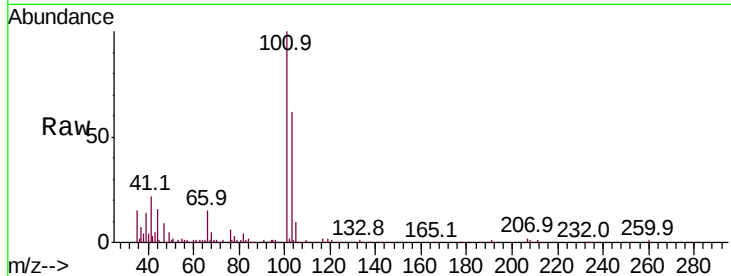
Trichlorofluoromethane
Concen: 55.087 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	48.2	72.4

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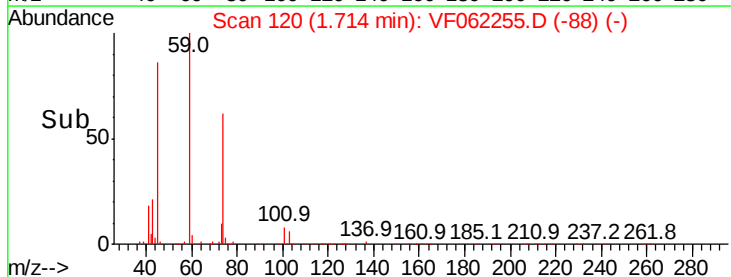
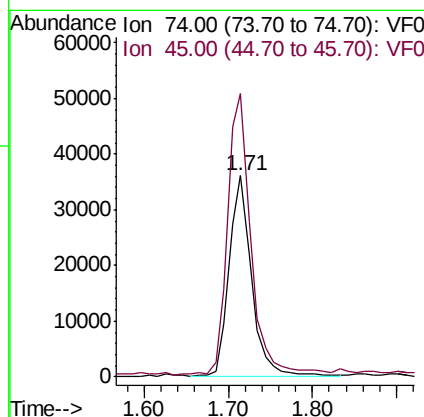
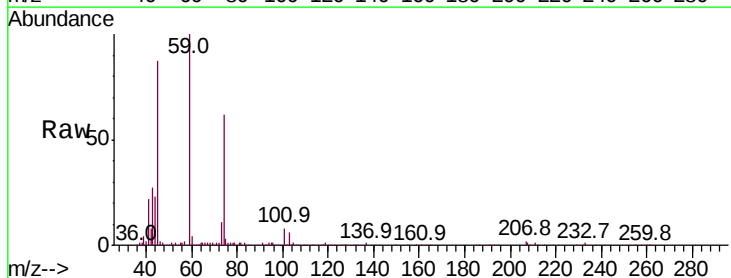
MMDadoda
4/23/2019 9:22:28 AM

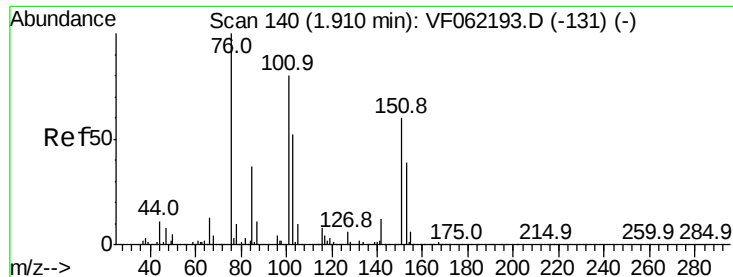


#8

Diethyl Ether
Concen: 48.046 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	142.2	70.0	210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.250 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

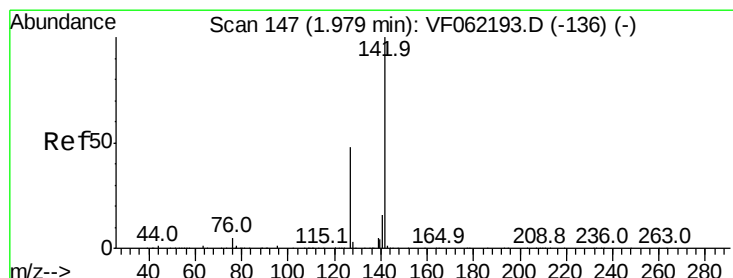
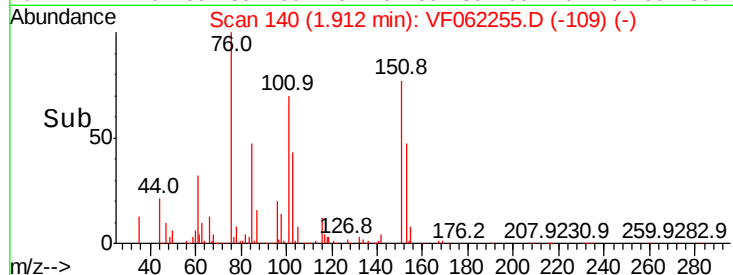
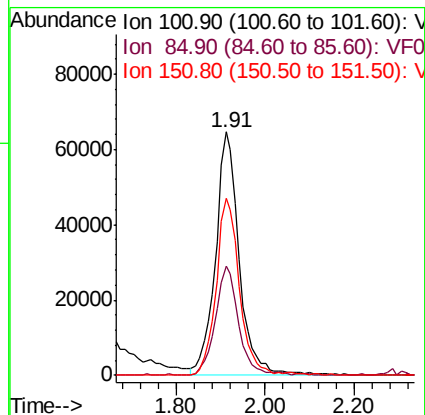
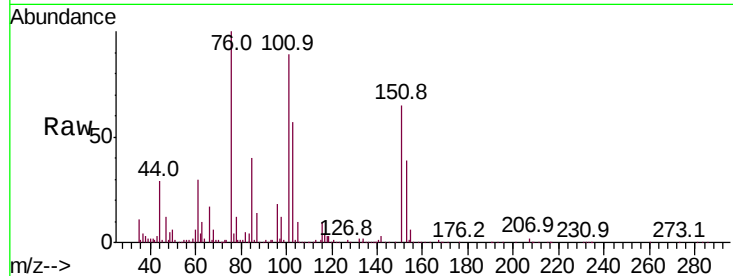
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	235150
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.3	52.9
151	72.6	57.5	86.3

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#10

Methyl Iodide

Concen: 51.445 ug/l

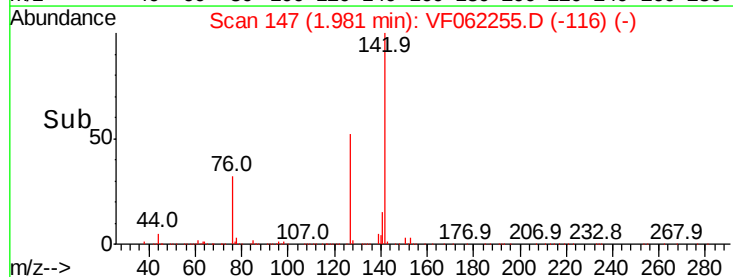
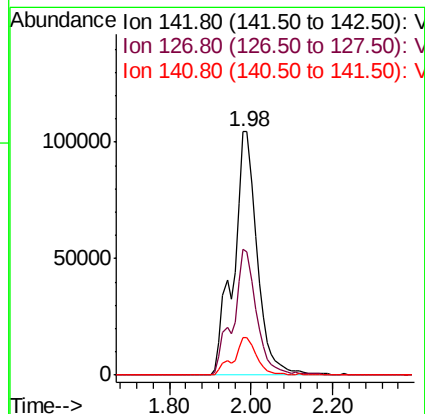
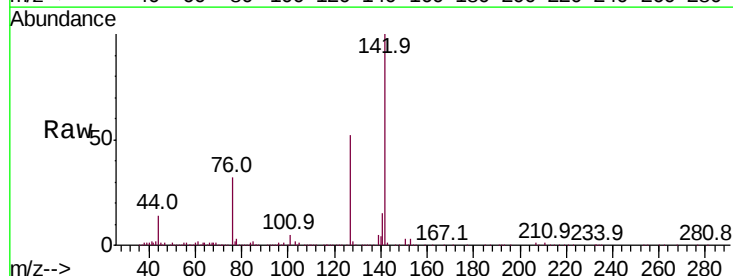
RT: 1.98 min Scan# 147

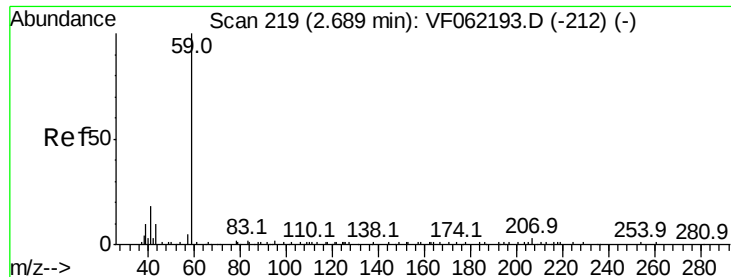
Delta R.T. 0.00 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion:	142	Resp:	419333
Ion Ratio	Lower	Upper	
142	100		
127	51.4	33.0	49.4#
141	15.1	12.7	19.1





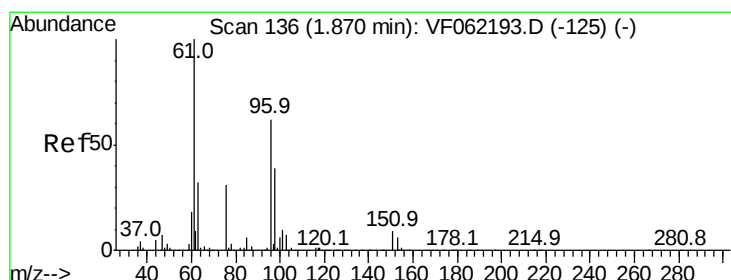
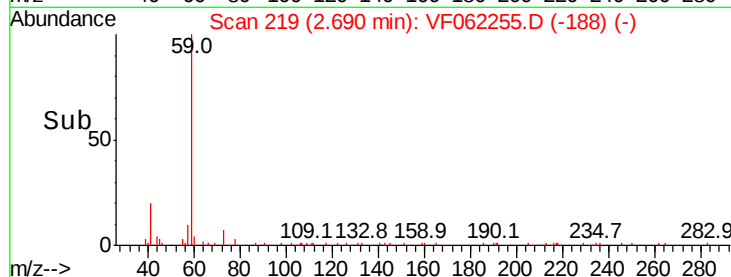
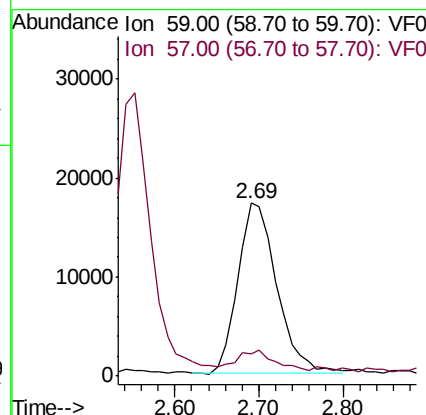
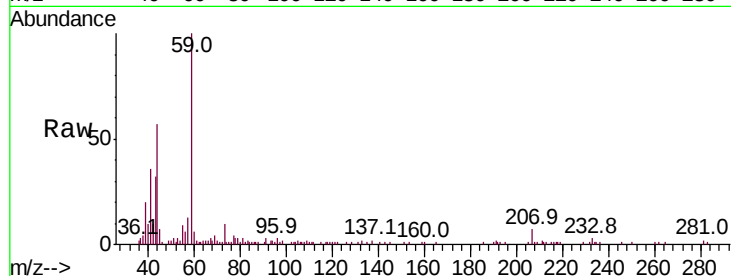
#11
Tert butyl alcohol
Concen: 222.221 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.1	9.3	13.9

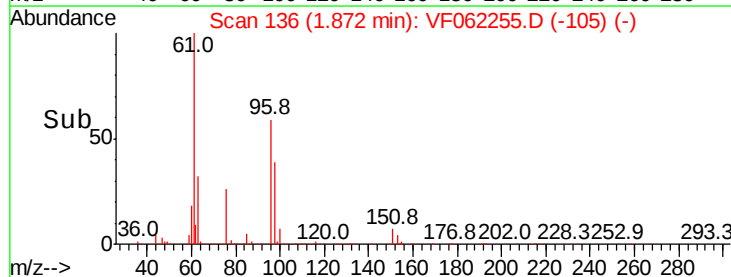
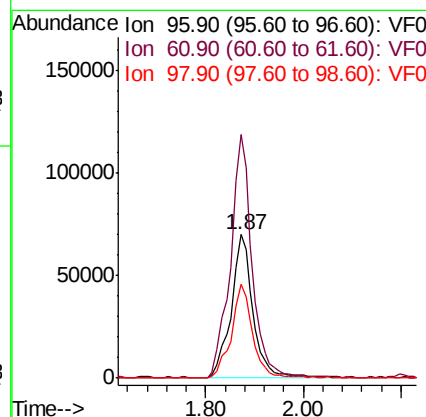
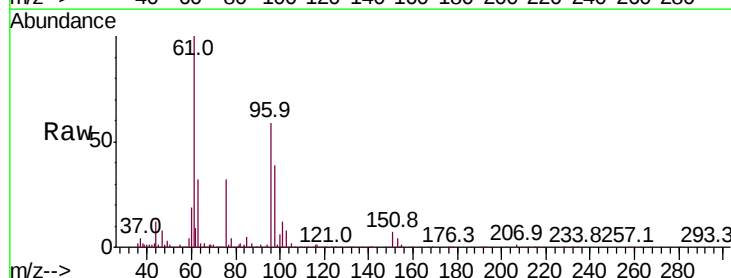
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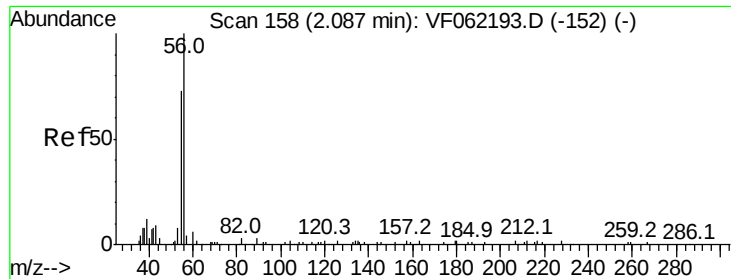
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.182 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.3	129.1	193.7
98	65.5	50.0	75.0





#13

Acrolein

Concen: 350.457 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38566

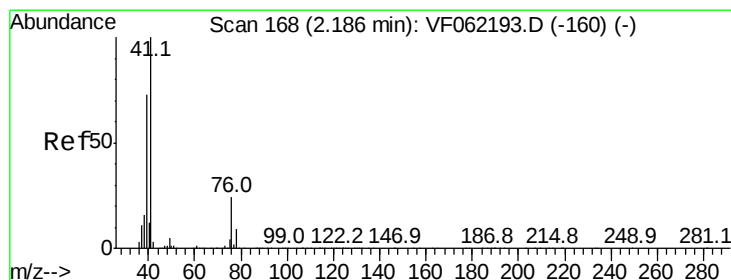
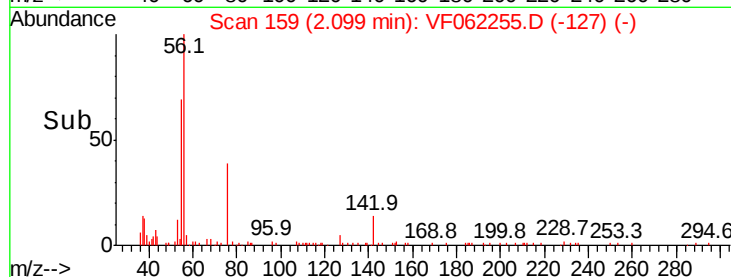
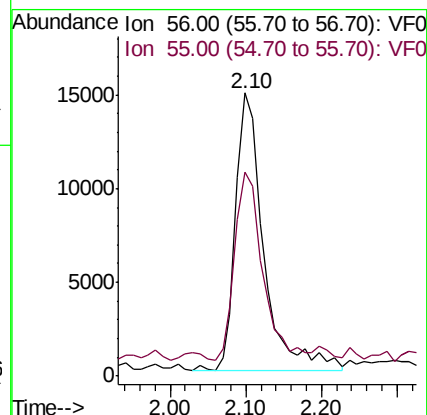
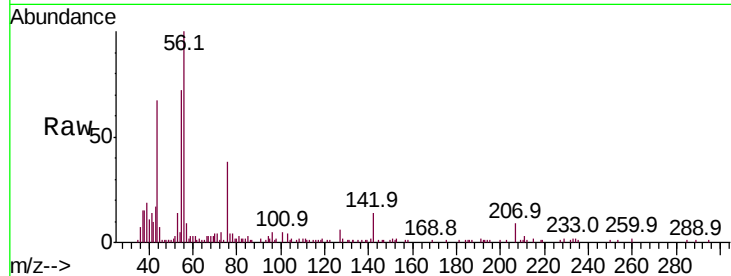
Ion Ratio Lower Upper

56 100

55 65.9 57.4 86.0

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#14

Allyl chloride

Concen: 56.614 ug/l m

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

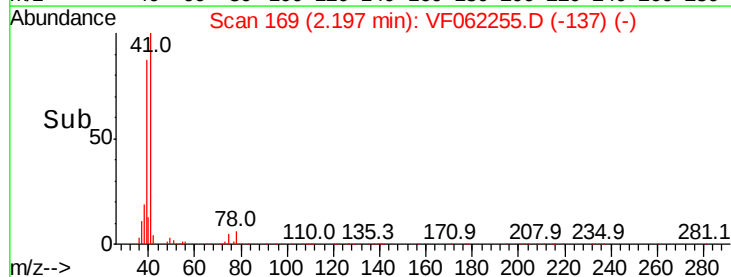
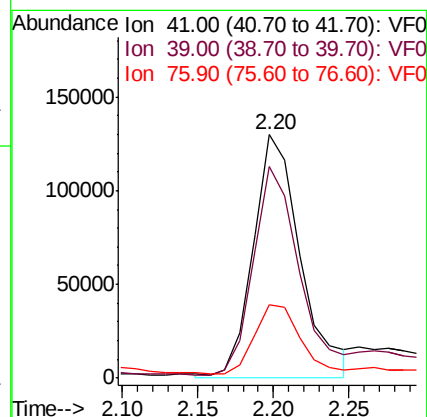
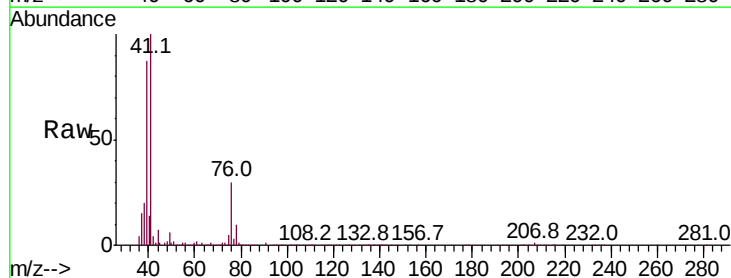
Tgt Ion: 41 Resp: 283542

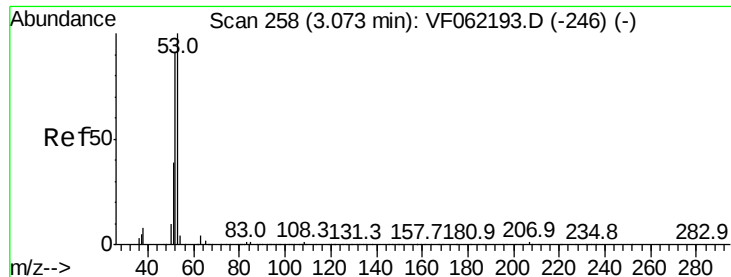
Ion Ratio Lower Upper

41 100

39 82.6 60.0 90.0

76 26.9 20.6 30.8





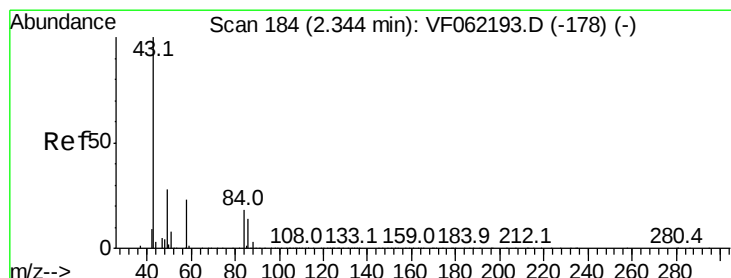
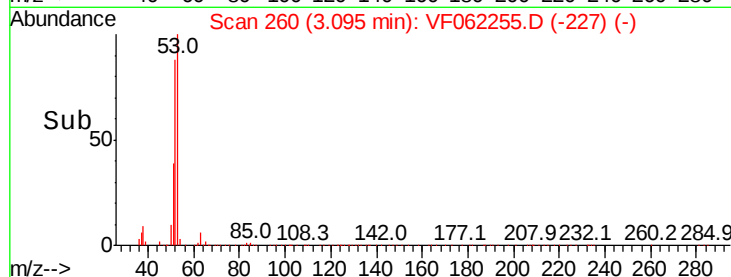
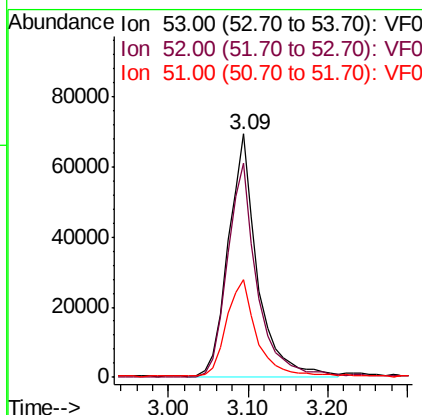
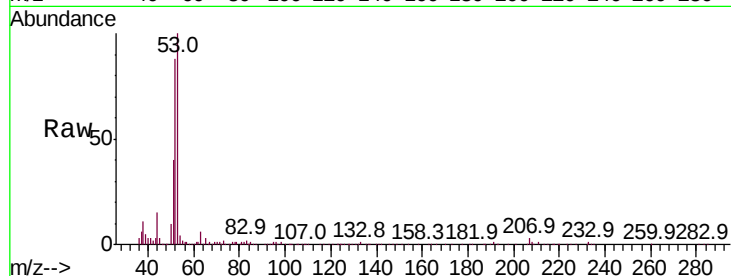
#15
 Acrylonitrile
 Concen: 230.838 ug/l
 RT: 3.09 min Scan# 260
 Delta R.T. 0.02 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	89.8	69.5	104.3
51	40.6	31.8	47.8

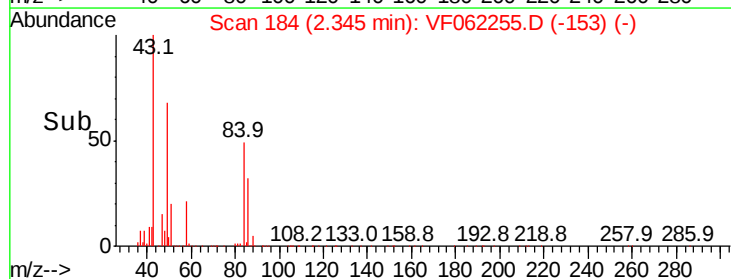
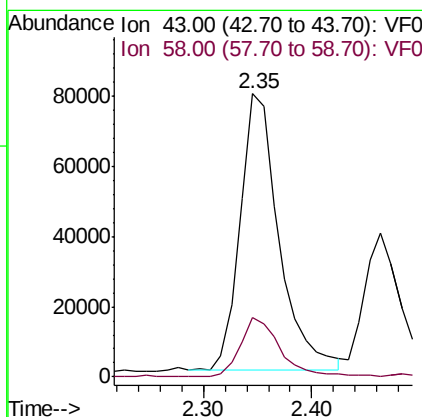
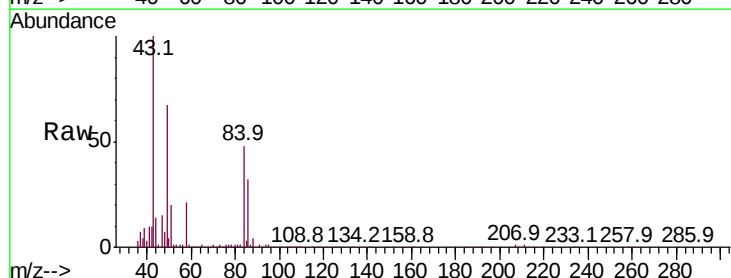
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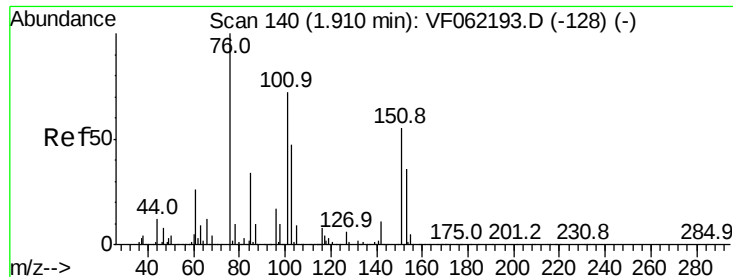
MMDadoda
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#16
 Acetone
 Concen: 229.700 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	21.1	18.8	28.2





#17

Carbon Disulfide

Concen: 47.175 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 572074

Ion Ratio Lower Upper

76 100

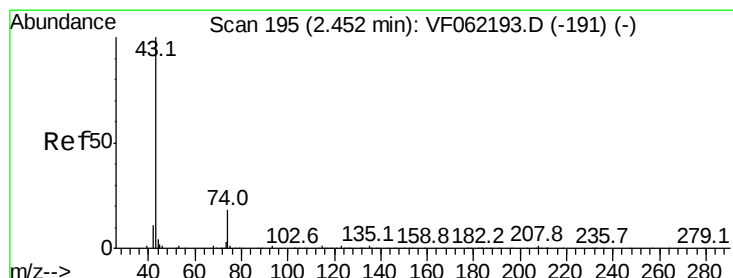
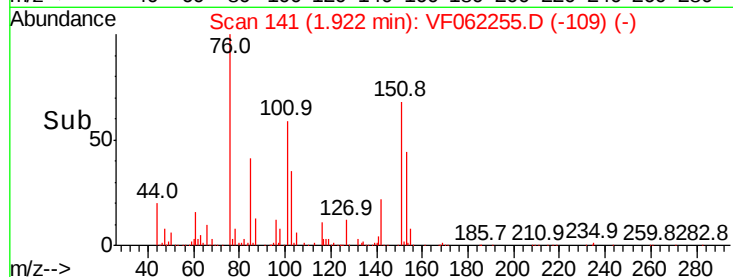
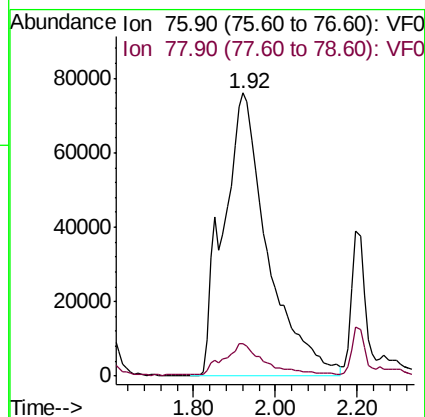
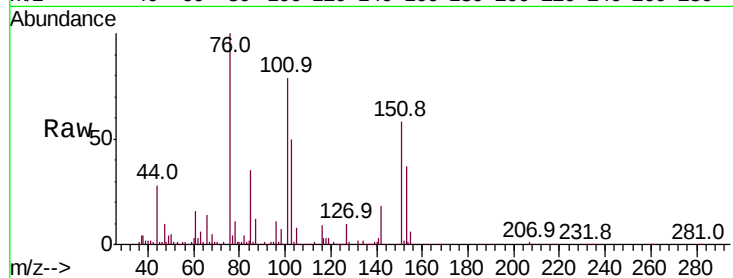
78 10.9 8.7 13.1

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#18

Methyl Acetate

Concen: 46.380 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF062255.D

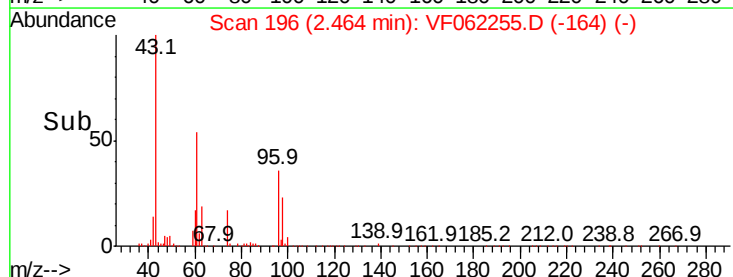
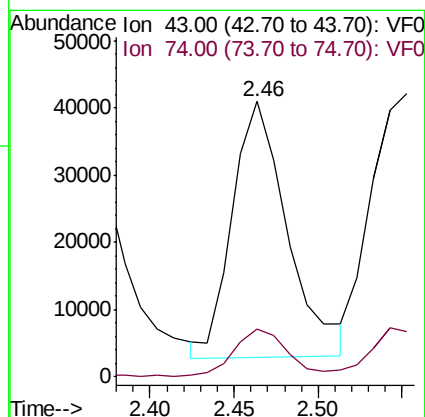
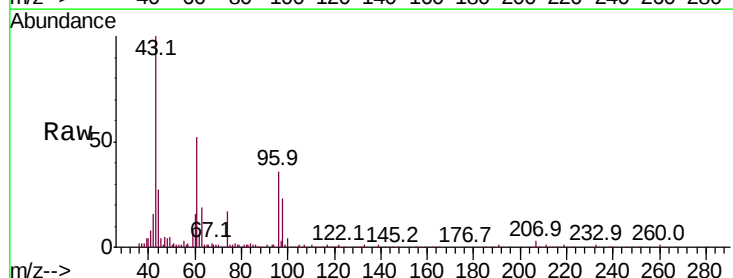
Acq: 22 Apr 2019 20:38

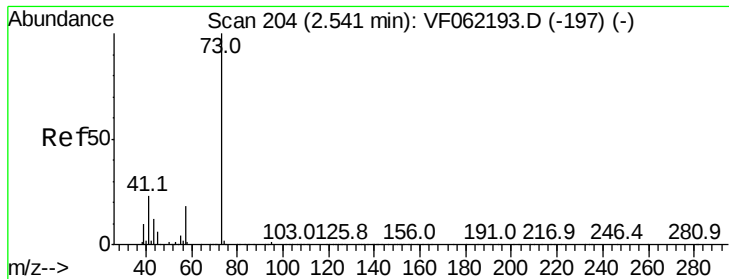
Tgt Ion: 43 Resp: 86570

Ion Ratio Lower Upper

43 100

74 17.7 14.5 21.7





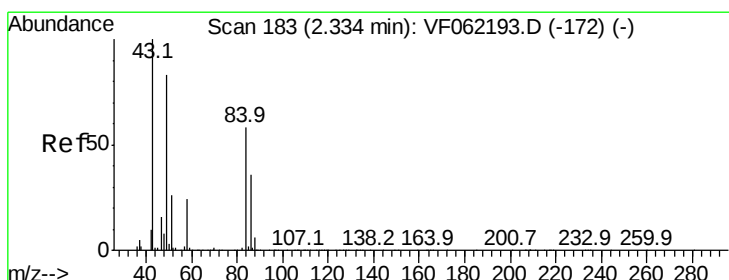
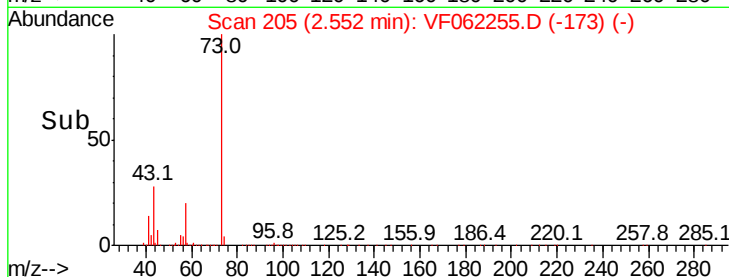
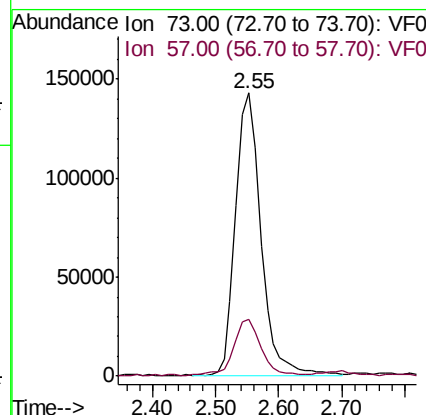
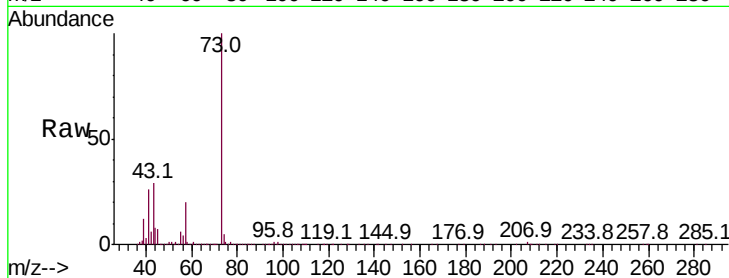
#19
Methyl tert-butyl Ether
Concen: 52.374 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 403548
Ion Ratio Lower Upper
73 100
57 19.5 15.1 22.7

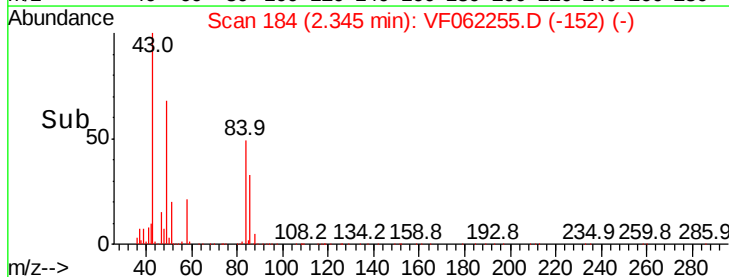
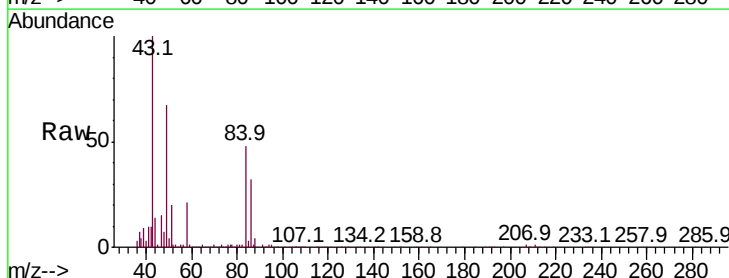
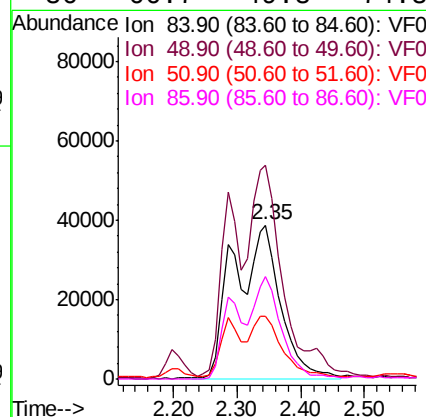
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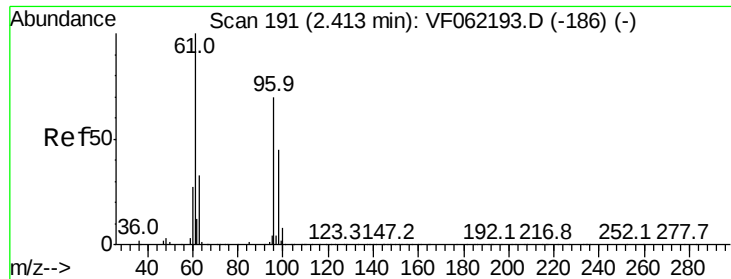
MMDadoda
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#20
Methylene Chloride
Concen: 46.915 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion: 84 Resp: 199475
Ion Ratio Lower Upper
84 100
49 138.8 114.0 171.0
51 41.1 37.0 55.4
86 66.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 48.659 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

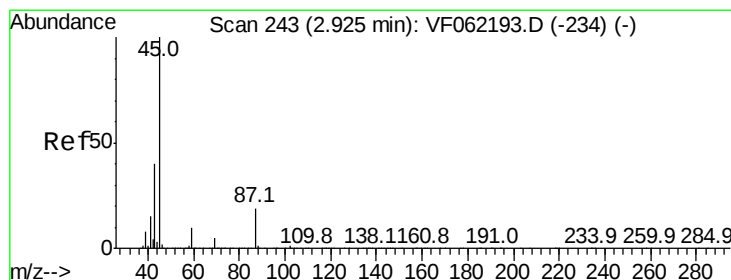
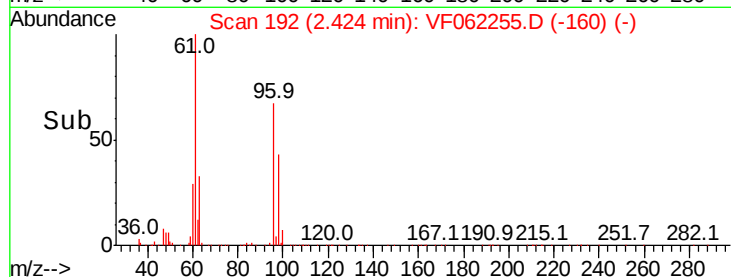
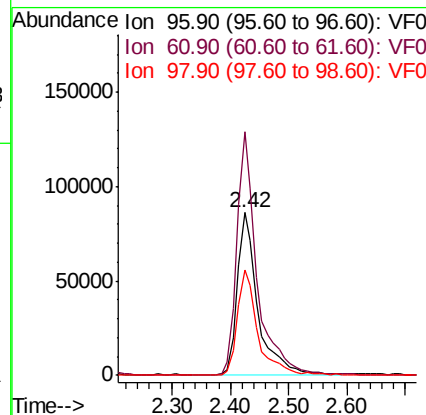
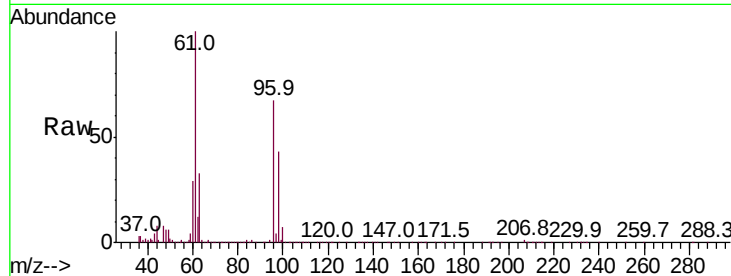
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	209997
Ion	Ratio	Lower	Upper
96	100		
61	150.2	114.6	172.0
98	65.0	51.2	76.8

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#22

Diisopropyl ether

Concen: 47.771 ug/l

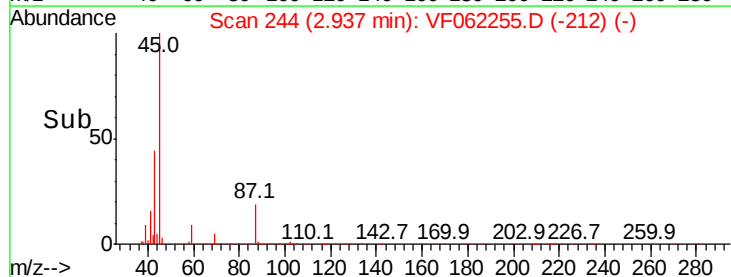
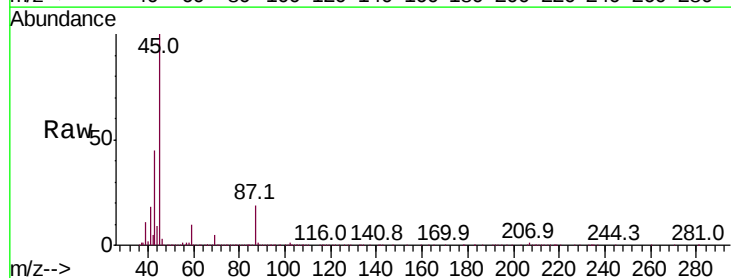
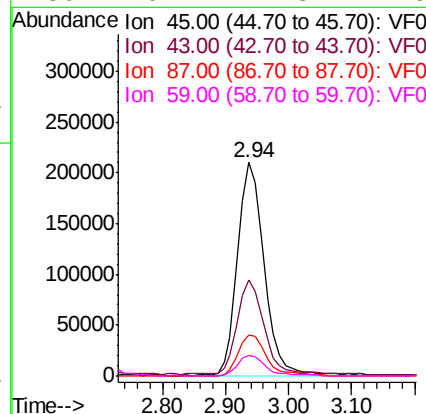
RT: 2.94 min Scan# 244

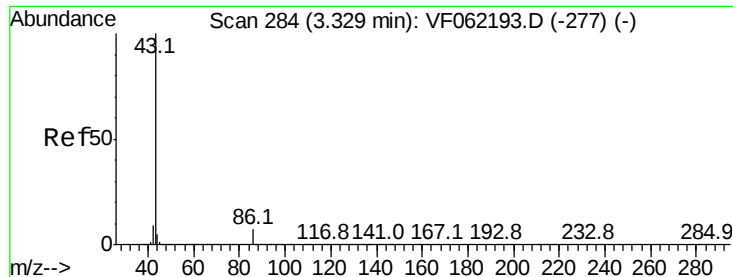
Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion:	45	Resp:	612007
Ion	Ratio	Lower	Upper
45	100		
43	43.8	32.8	49.2
87	19.2	15.2	22.8
59	9.4	7.8	11.6





#23

Vinyl Acetate

Concen: 220.374 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1345145

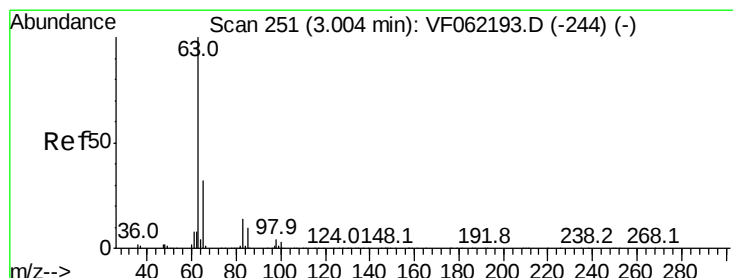
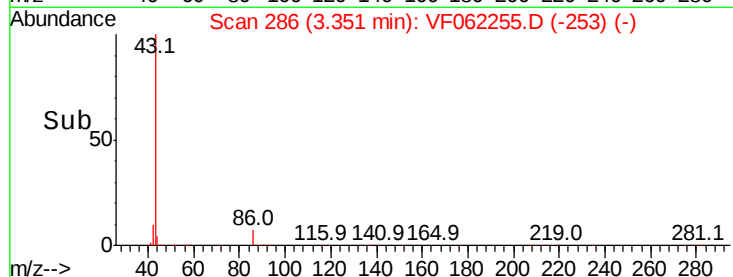
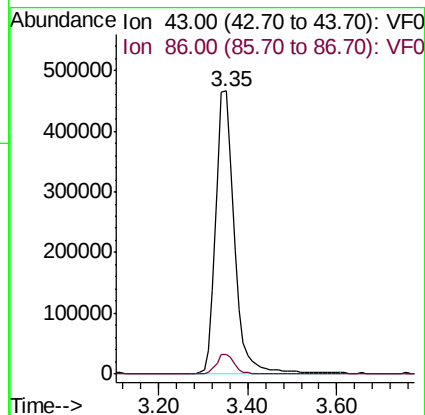
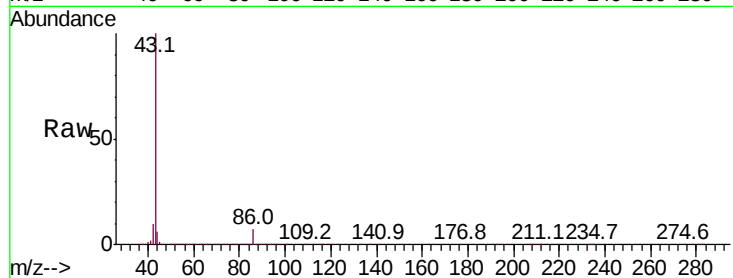
Ion Ratio Lower Upper

43 100

86 7.0 5.9 8.9

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#24

1,1-Dichloroethane

Concen: 50.585 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

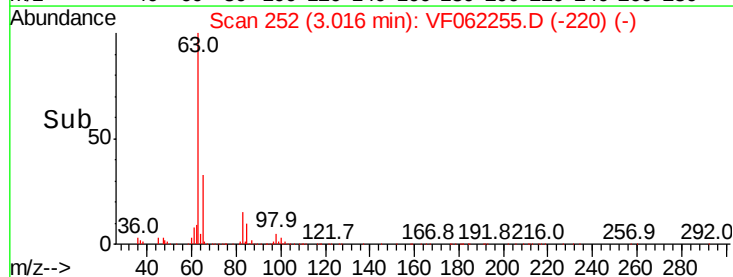
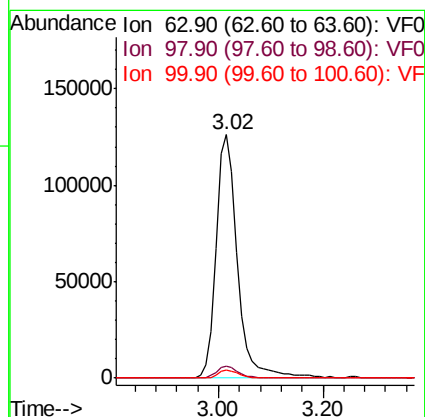
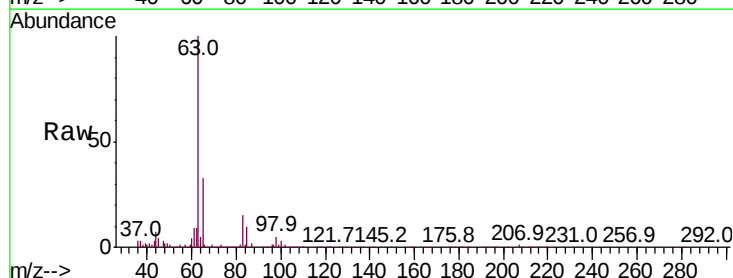
Tgt Ion: 63 Resp: 354511

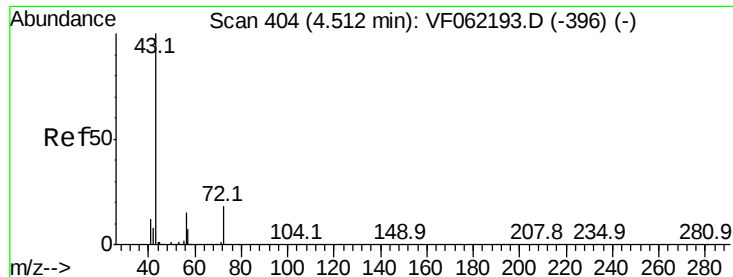
Ion Ratio Lower Upper

63 100

98 4.9 2.3 6.8

100 3.1 1.7 5.0





#25

2-Butanone

Concen: 200.852 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 344842

Ion Ratio Lower Upper

43 100

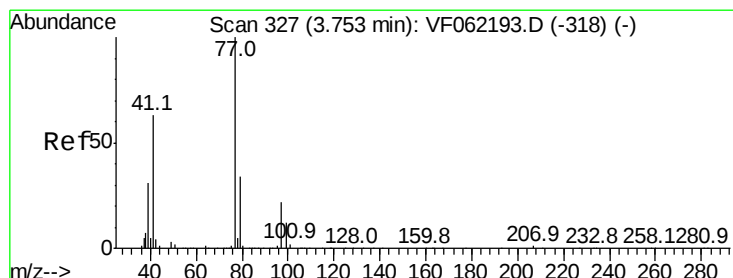
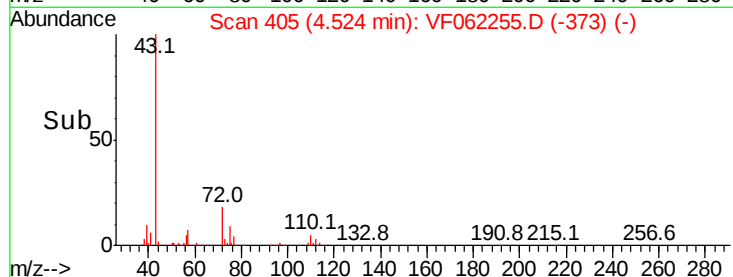
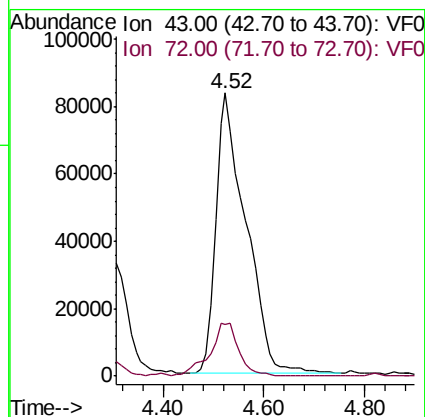
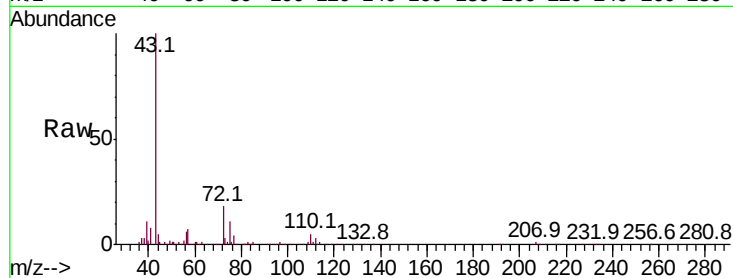
72 18.4 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 49.254 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.02 min

Lab File: VF062255.D

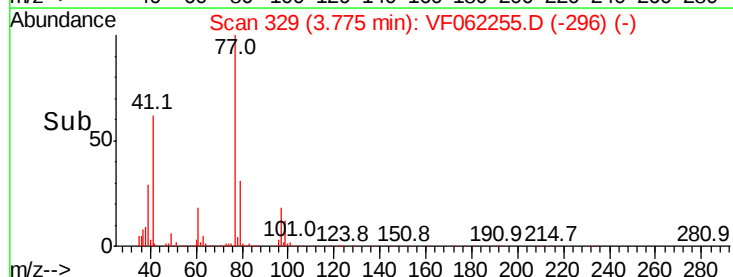
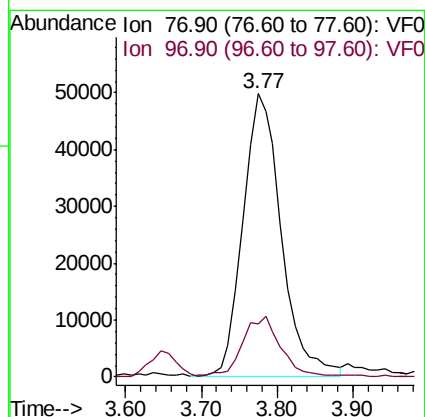
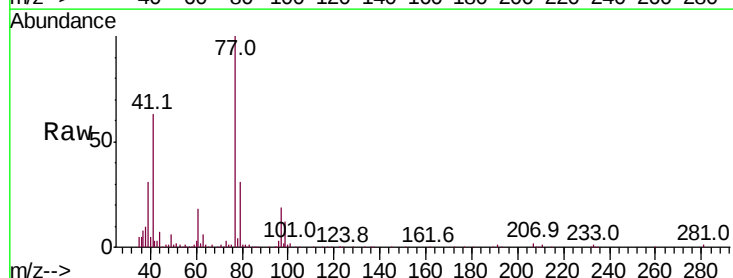
Acq: 22 Apr 2019 20:38

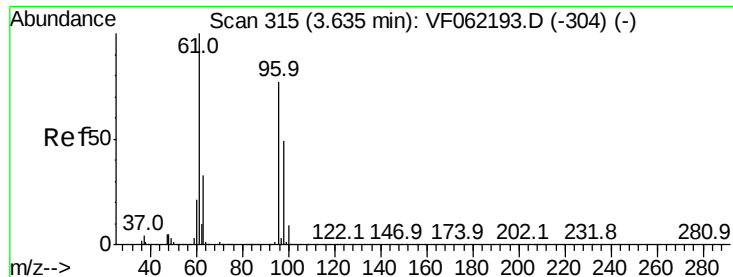
Tgt Ion: 77 Resp: 174272

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.3





#27

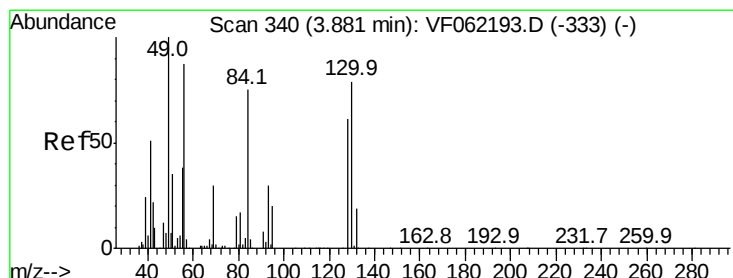
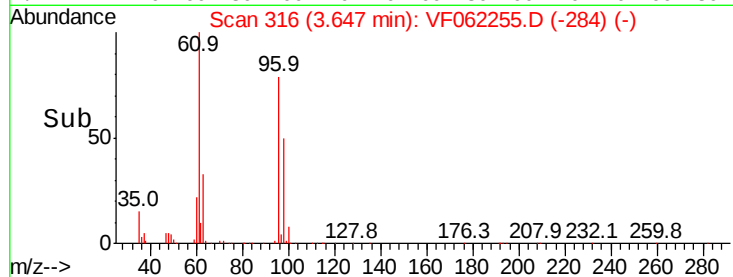
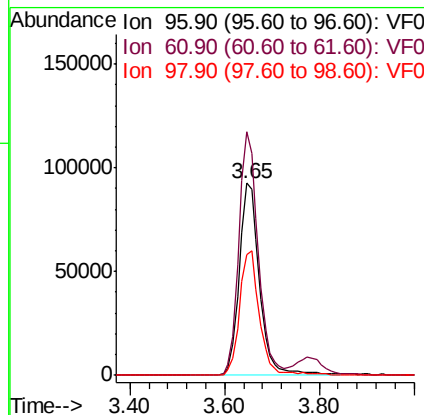
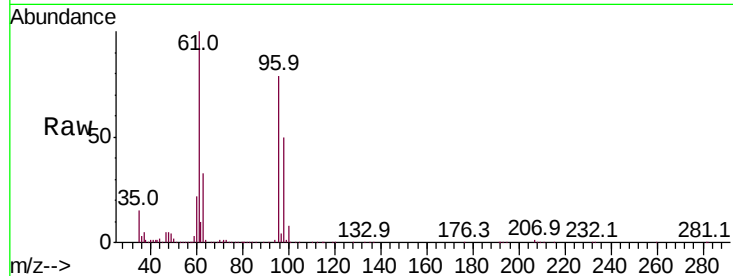
cis-1,2-Dichloroethene
Concen: 48.800 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	272733		
61	121.7	0.0	253.6	
98	63.9	0.0	124.8	

Manual Integrations
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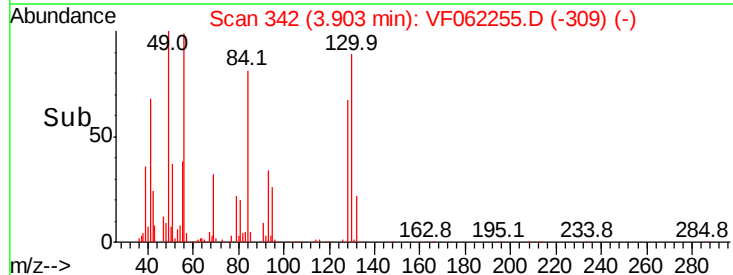
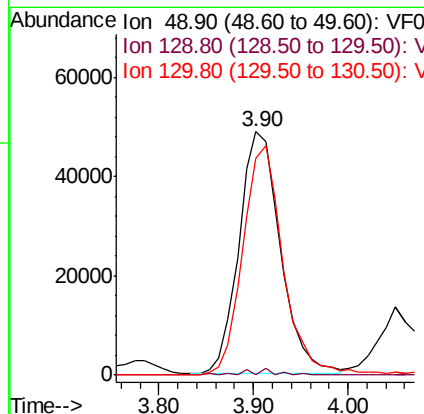
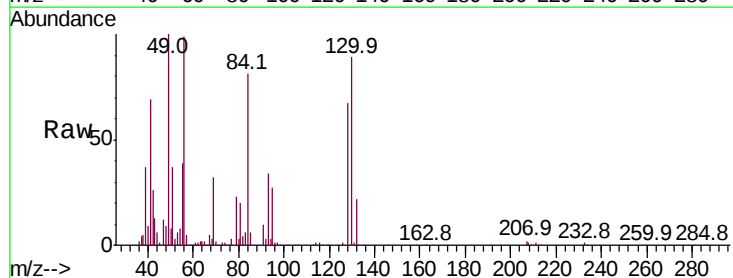
MMDadoda
4/23/2019 9:22:28 AM

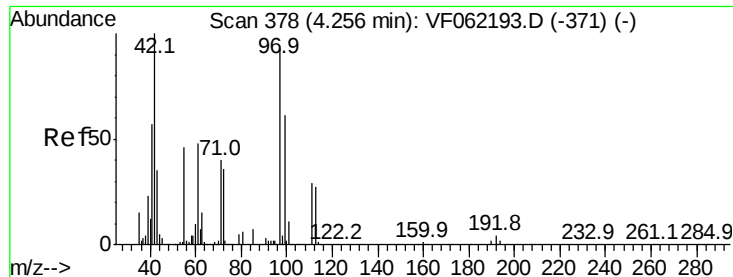


#28

Bromochloromethane
Concen: 44.139 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	148180		
129	0.7	0.0	0.0#	
130	0.0	66.6	100.0#	





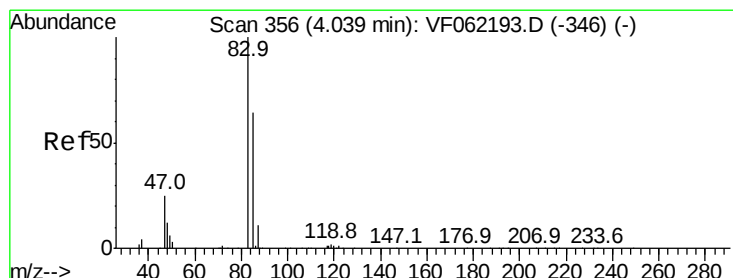
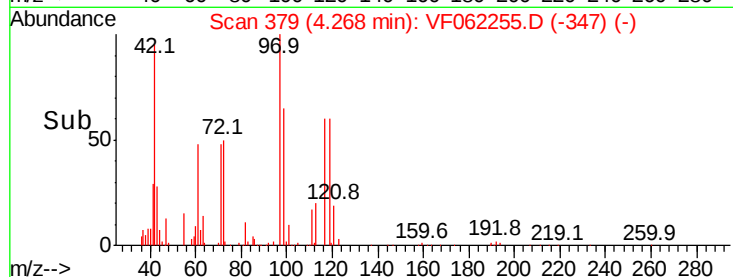
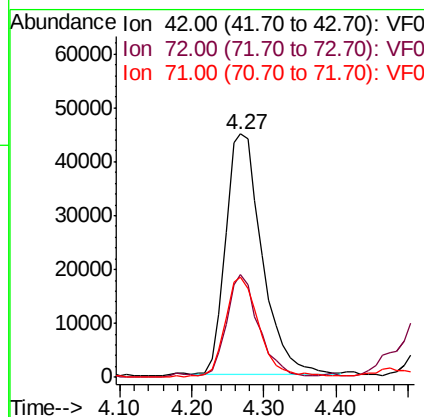
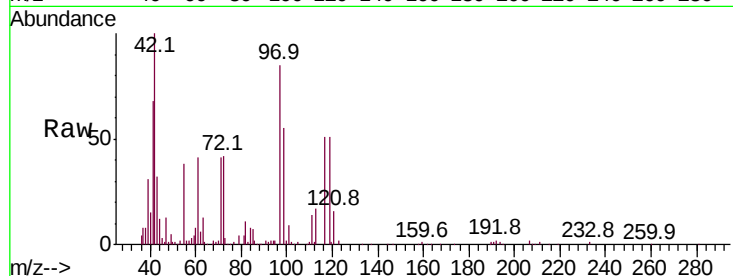
#29
Tetrahydrofuran
Concen: 200.738 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	28.6	43.0
71	39.7	29.2	43.8

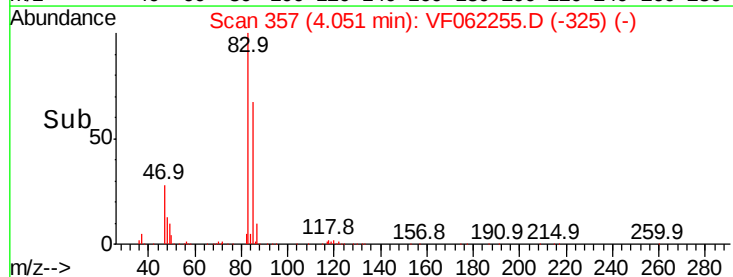
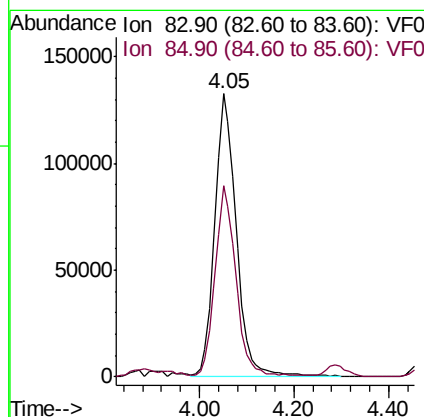
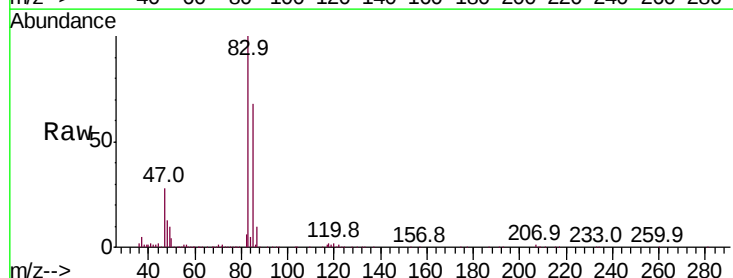
Manual Integrations
APPROVED

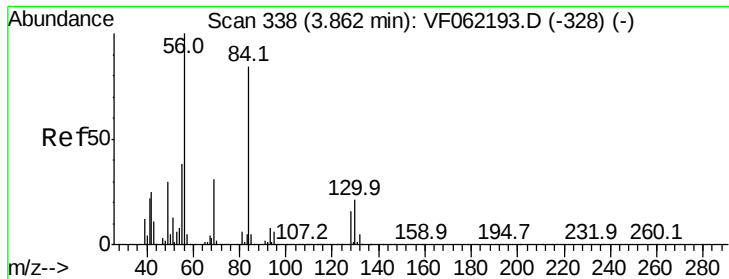
MMDadoda
4/23/2019 9:22:28 AM



#30
Chloroform
Concen: 48.328 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.8	77.8





#31

Cyclohexane

Concen: 42.365 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

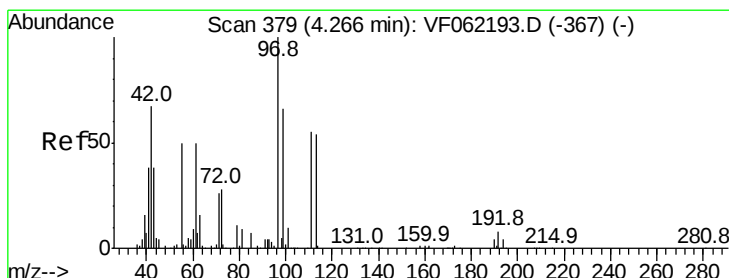
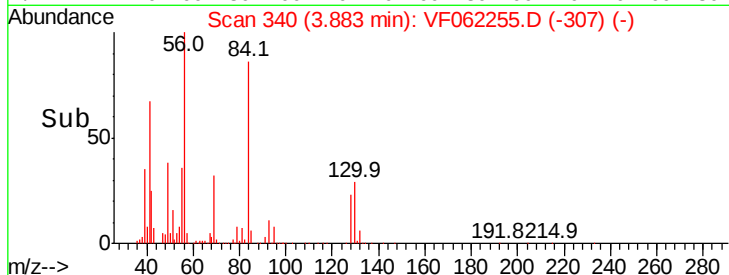
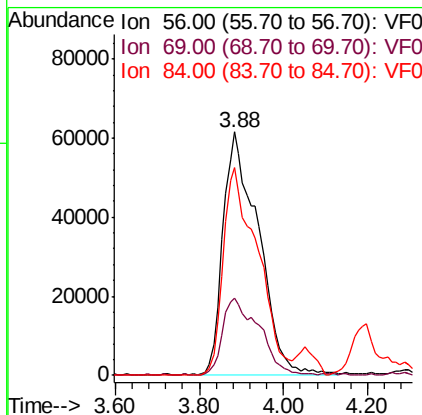
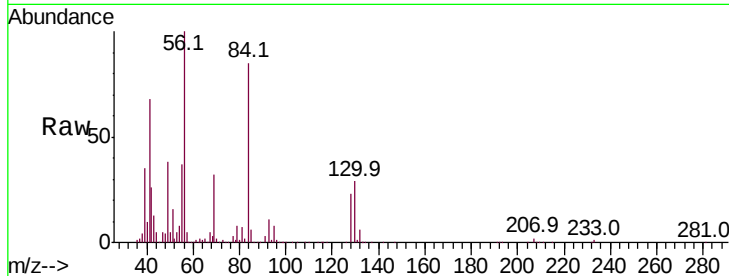
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	355810
Ion Ratio	Lower	Upper	
56	100		
69	31.9	25.1	37.7
84	85.1	67.8	101.6

Manual Integrations
APPROVED

MMDadoda
4/23/2019 9:22:28 AM



#32

1,1,1-Trichloroethane

Concen: 53.728 ug/l

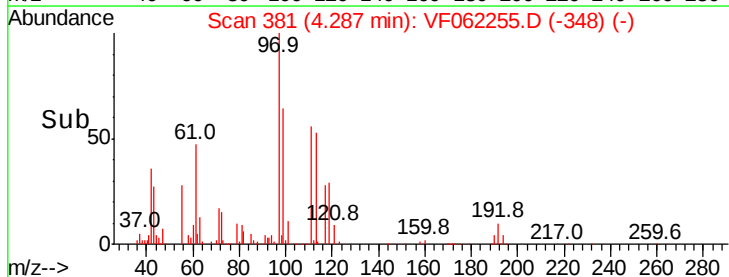
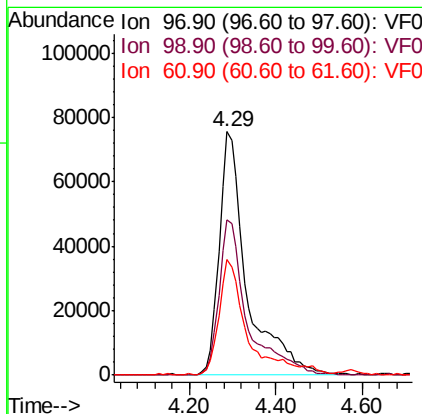
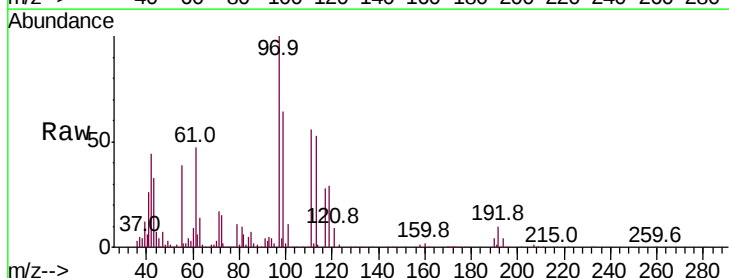
RT: 4.29 min Scan# 381

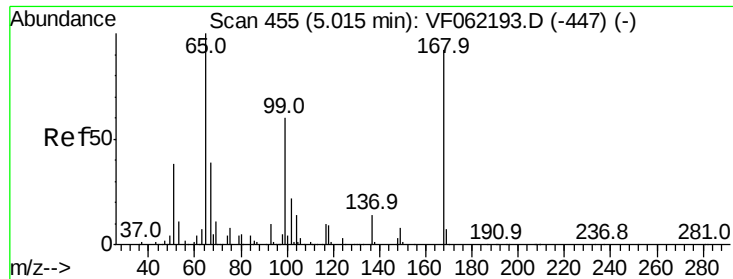
Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion:	97	Resp:	338729
Ion Ratio	Lower	Upper	
97	100		
99	64.7	52.7	79.1
61	45.7	53.0	79.4#





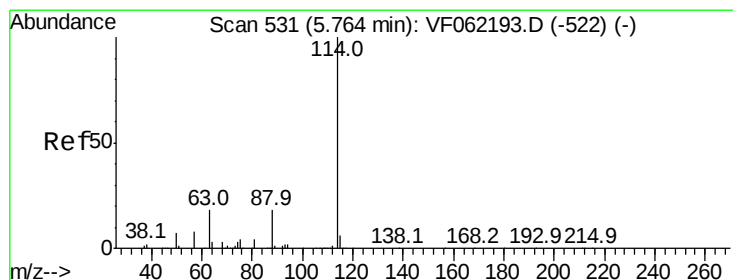
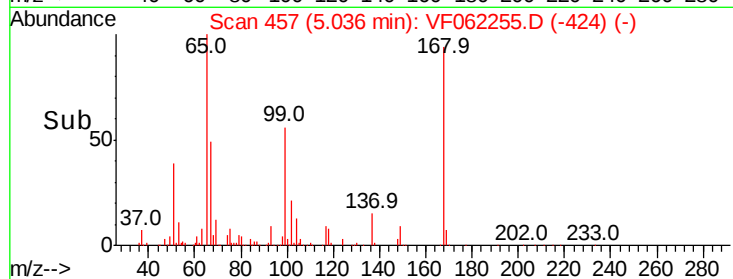
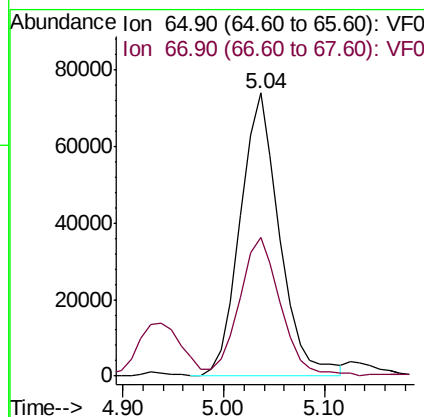
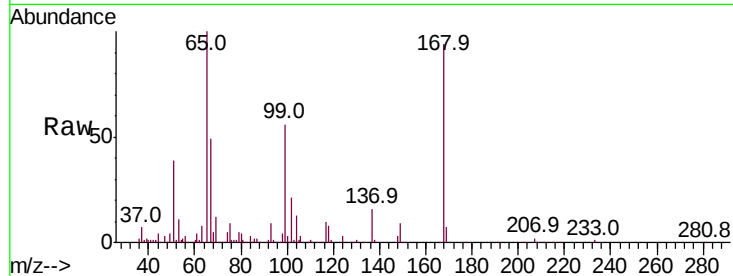
#33
 1,2-Dichloroethane-d4
 Concen: 55.344 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	198810		
67	50.1	0.0	109.4	

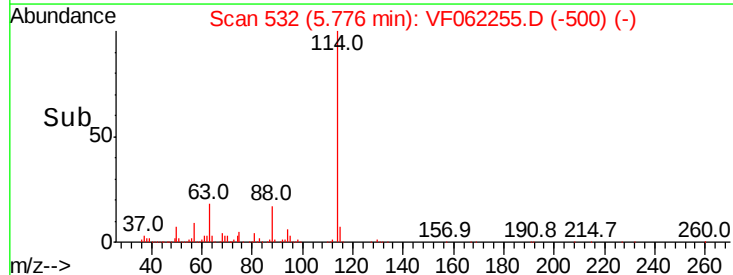
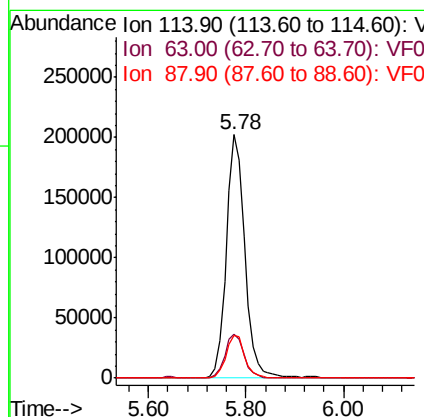
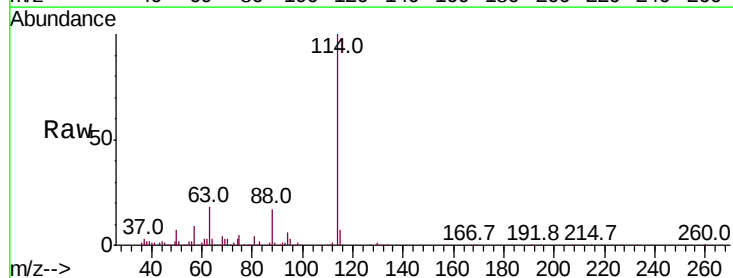
Manual Integrations
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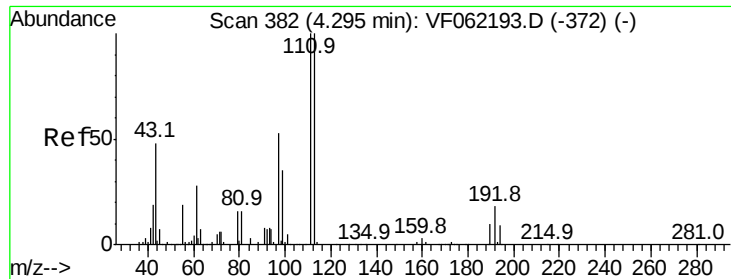
MMDadoda
 4/23/2019 9:22:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	533295		
63	18.0	0.0	36.6	
88	17.3	0.0	35.8	





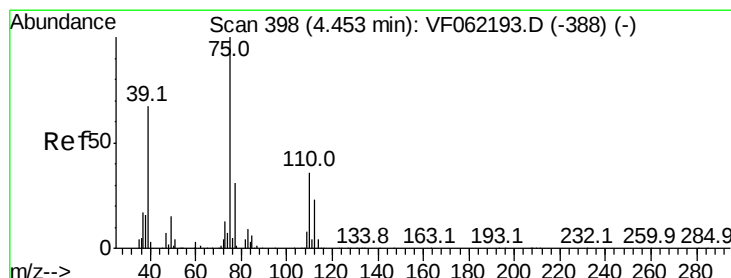
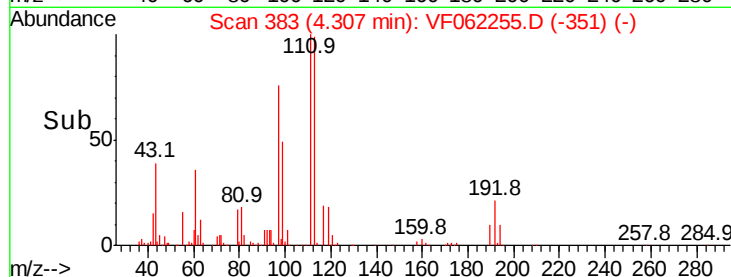
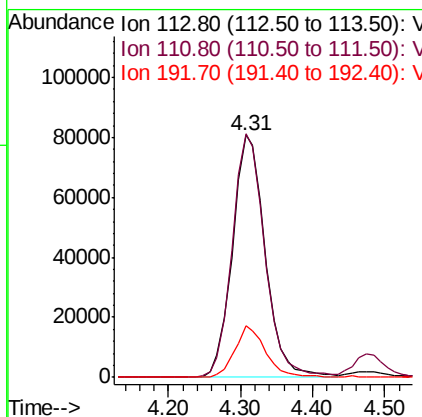
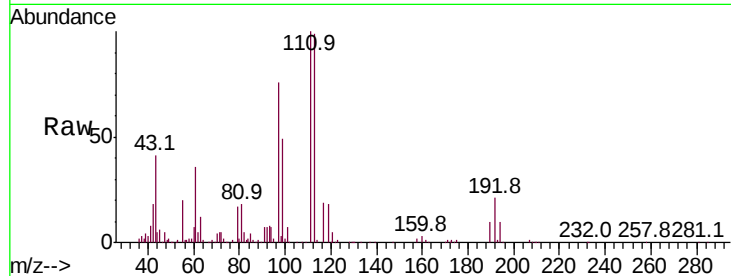
#35
 Dibromofluoromethane
 Concen: 54.983 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	256492		
111	100.1	81.1	121.7	
192	20.0	14.7	22.1	

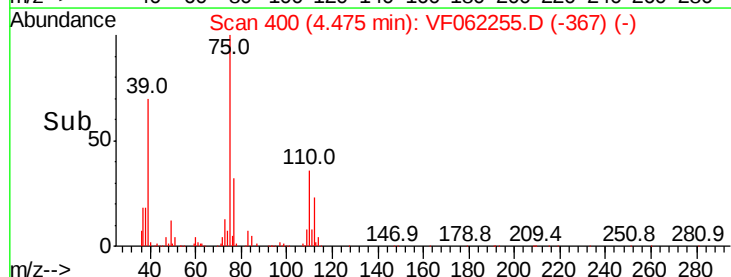
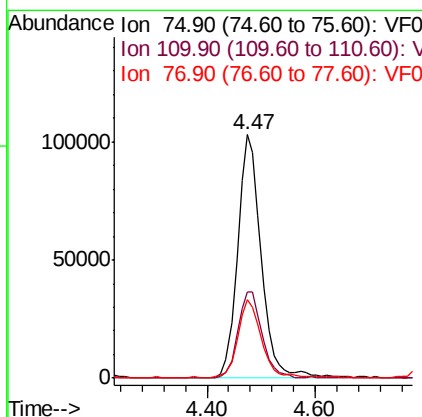
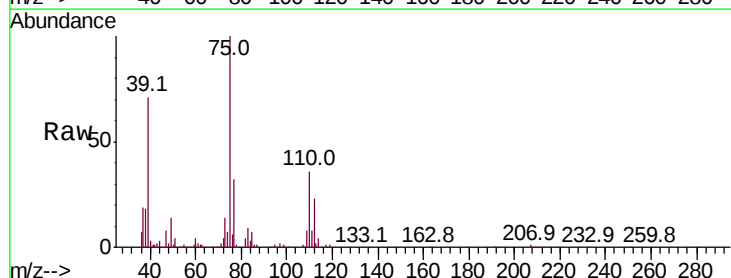
Manual Integrations
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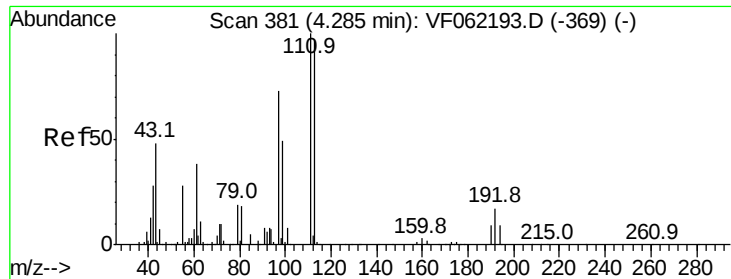
MMDadoda
 4/23/2019 9:22:28 AM



#36
 1,1-Dichloropropene
 Concen: 48.750 ug/l
 RT: 4.47 min Scan# 400
 Delta R.T. 0.02 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	311702		
110	36.4	18.4	55.2	
77	32.4	25.4	38.2	





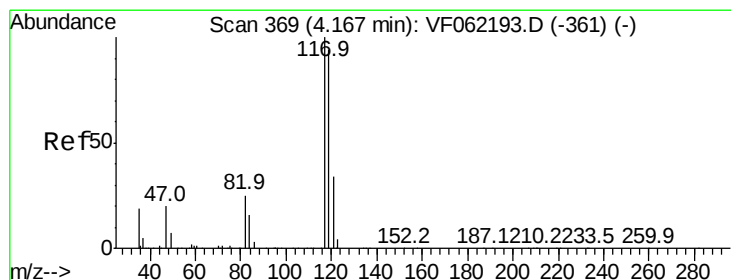
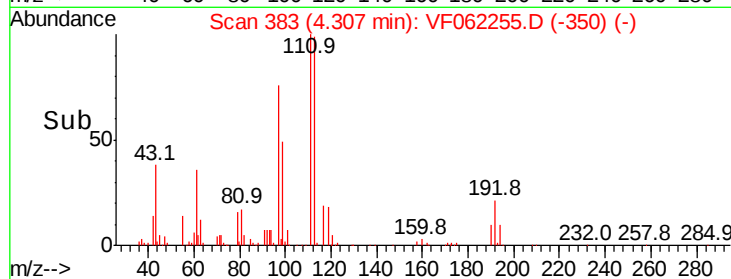
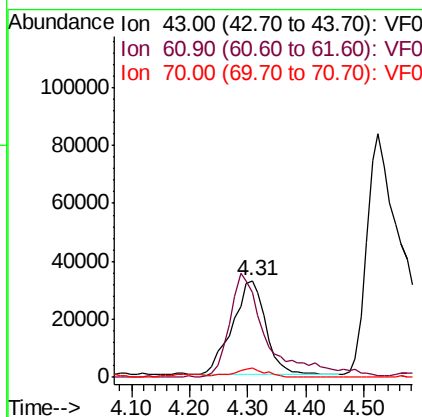
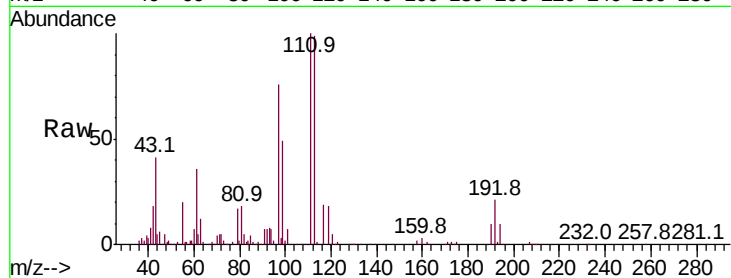
#37
Ethyl Acetate
Concen: 42.915 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	119.5	0.0	0.0#
70	8.2	7.8	11.6

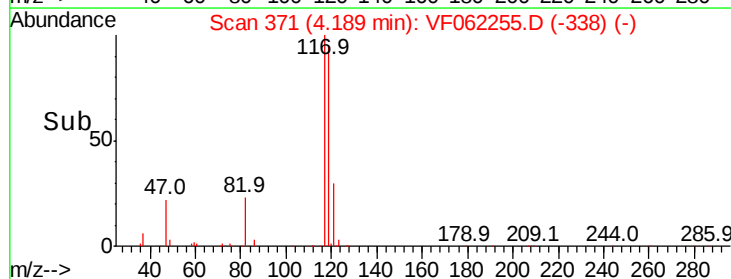
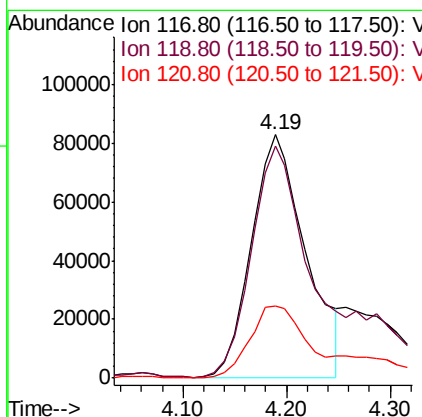
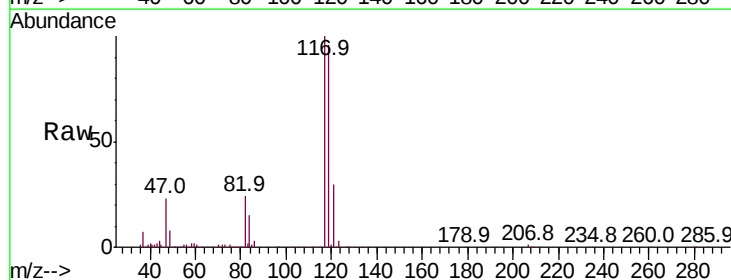
Manual Integrations
APPROVED

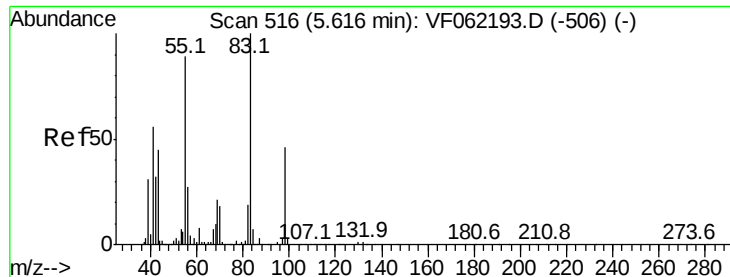
MMDadoda
4/23/2019 9:22:28 AM



#38
Carbon Tetrachloride
Concen: 54.448 ug/l m
RT: 4.19 min Scan# 371
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.0	112.4
121	29.8	26.9	40.3





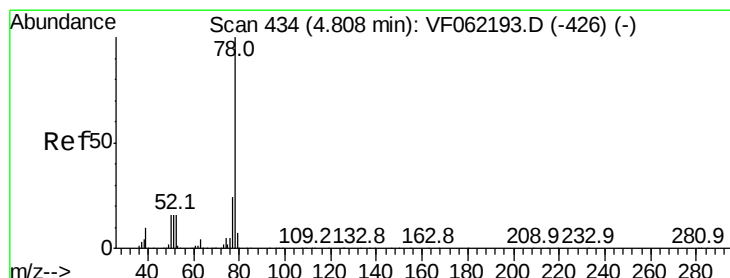
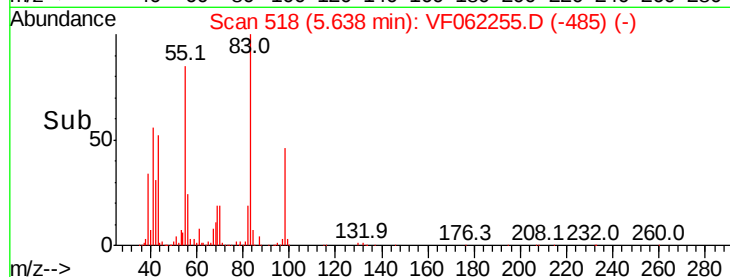
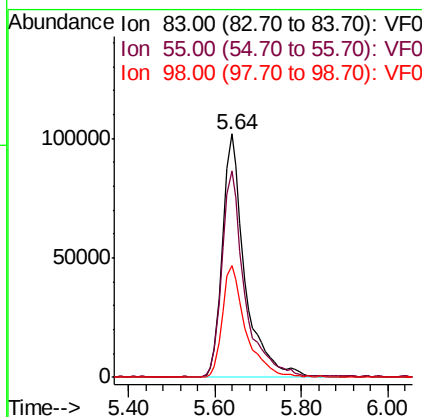
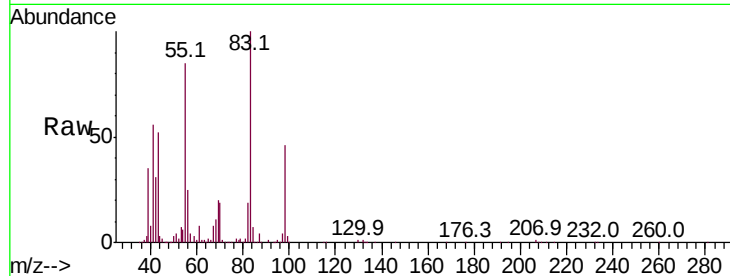
#39
Methvlcvclohexane
Concen: 48.254 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	369409
Ion Ratio	100	Lower	Upper
83	100		
55	84.4	71.0	106.6
98	45.7	36.7	55.1

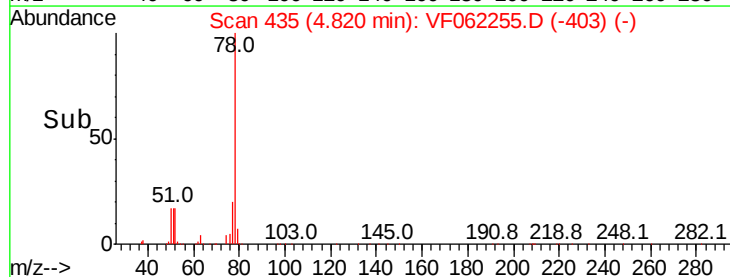
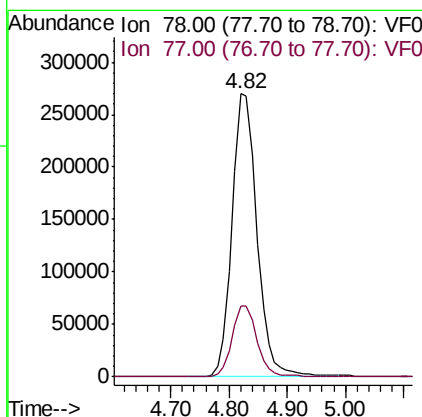
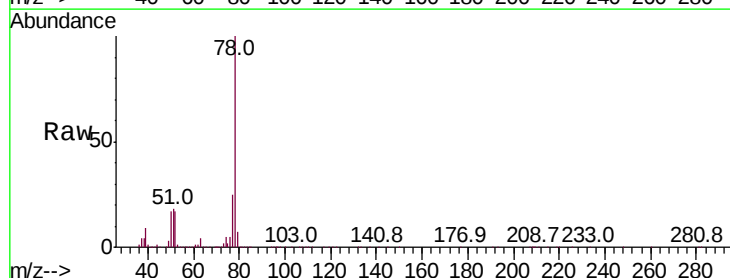
Manual Integrations
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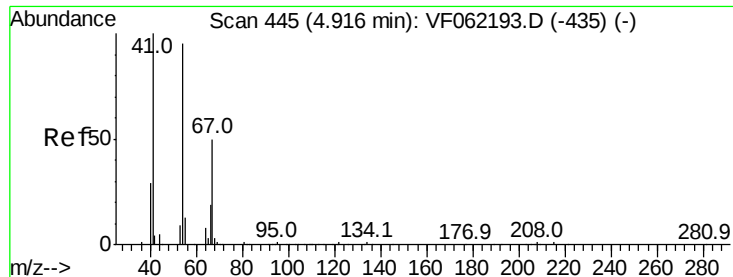
MMDadoda
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#40
Benzene
Concen: 48.158 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	78	Resp	807647
Ion Ratio	100	Lower	Upper
78	100		
77	24.8	18.9	28.3





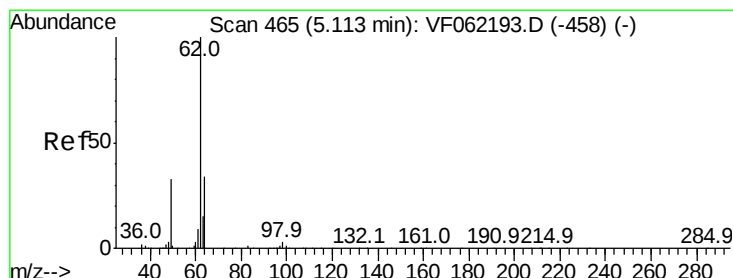
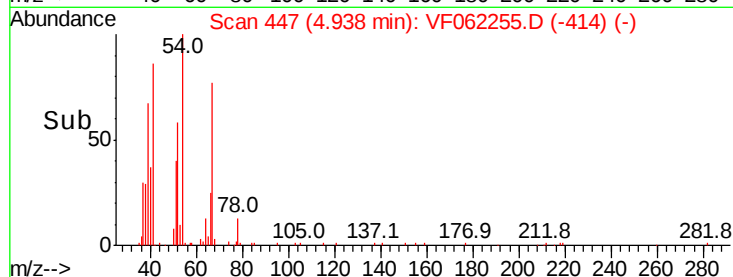
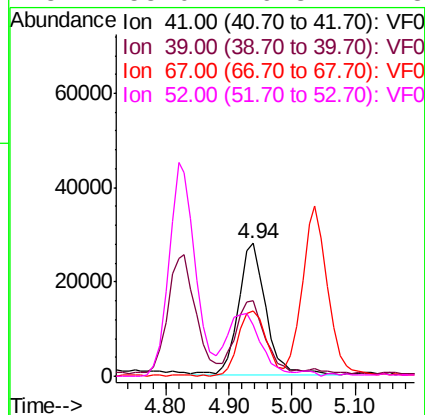
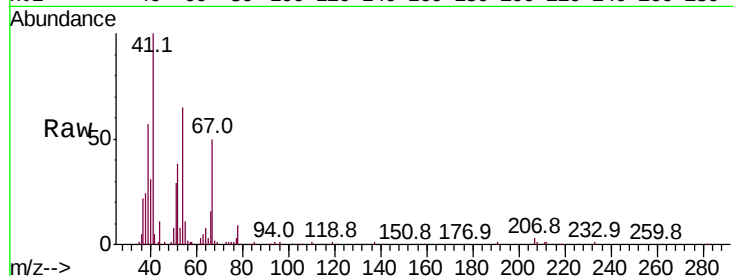
#41
Methacrylonitrile
Concen: 47.688 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.1	44.7	67.1
67	50.8	39.1	58.7
52	55.0	49.8	74.8

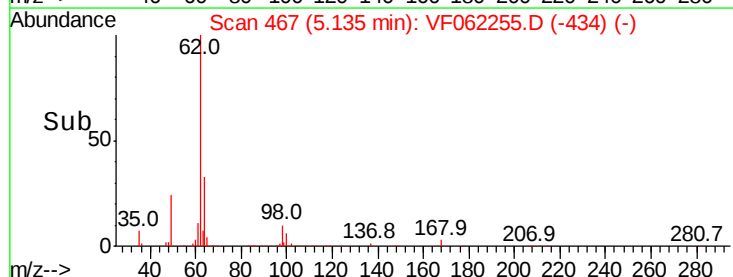
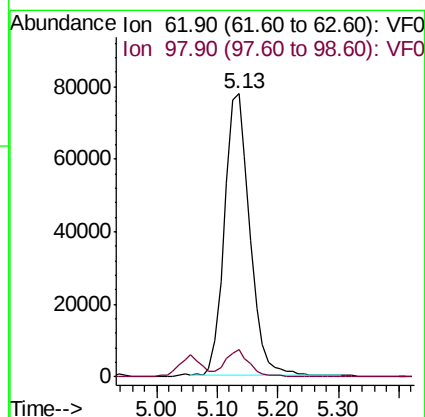
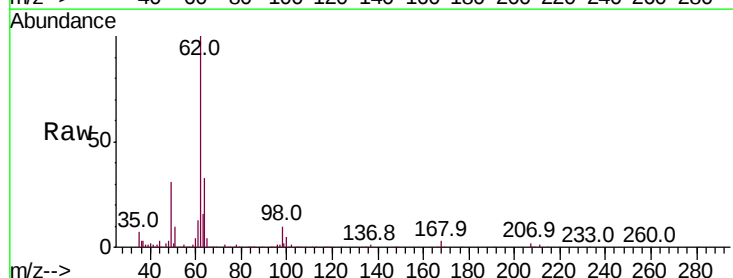
Manual Integrations
APPROVED

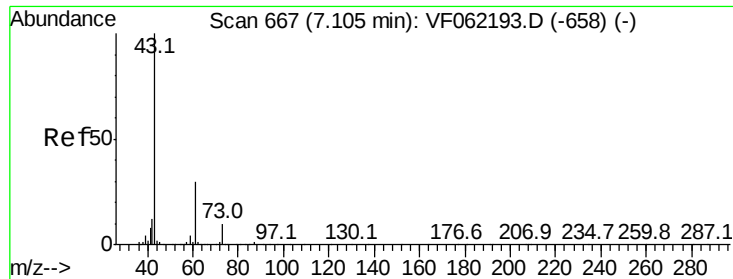
MMDadoda
4/23/2019 9:22:28 AM



#42
1,2-Dichloroethane
Concen: 50.749 ug/l
RT: 5.13 min Scan# 467
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.0





#43

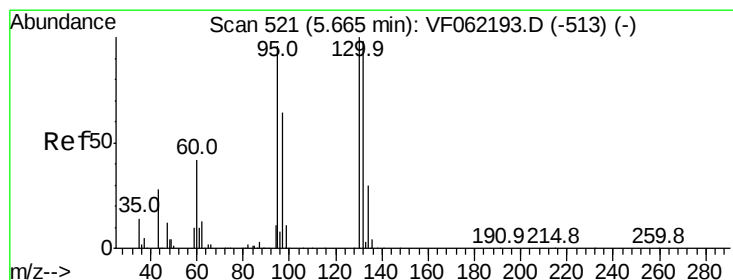
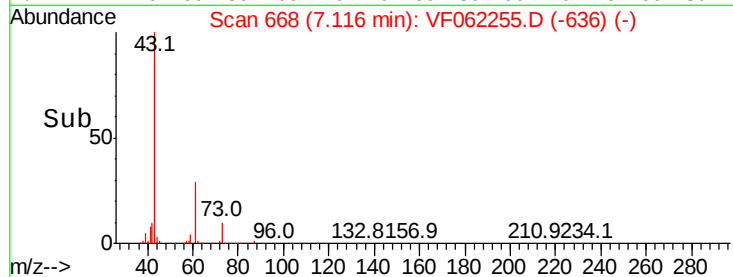
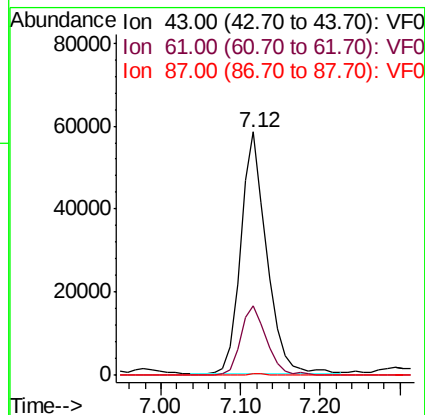
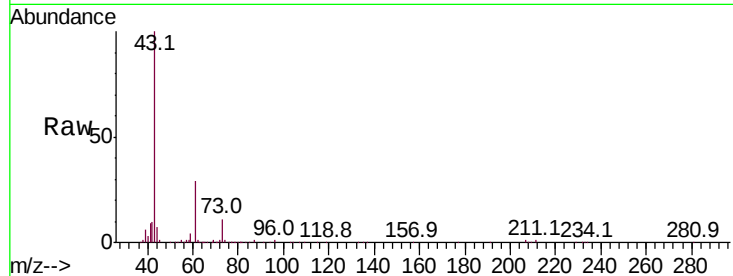
Isopropyl Acetate
 Concen: 40.712 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	24.4	36.6
87	0.4	0.4	0.6

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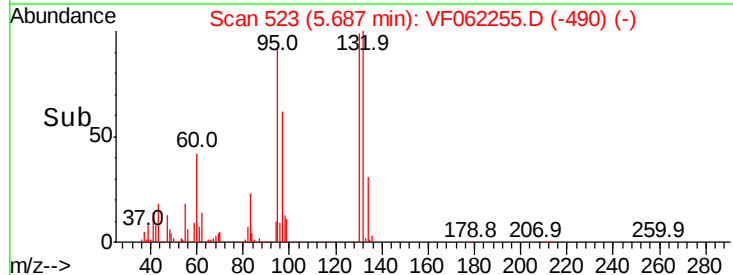
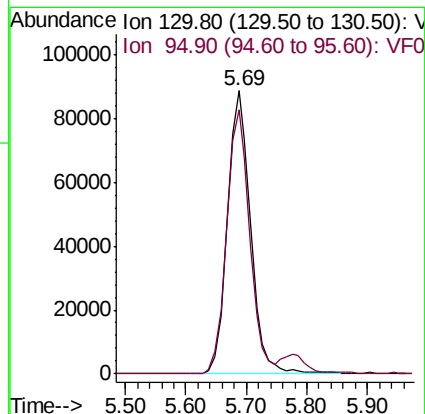
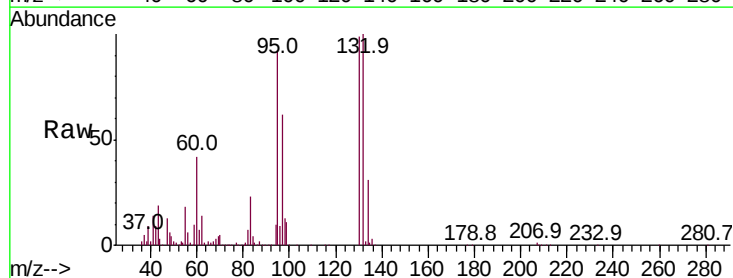
MMDadoda
 4/23/2019 9:22:28 AM

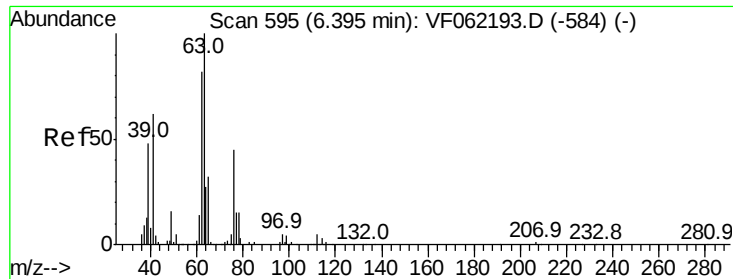


#44

Trichloroethene
 Concen: 52.047 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.02 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	191.4





#45

1,2-Dichloropropane

Concen: 46.140 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 170451

Ion Ratio Lower Upper

63 100

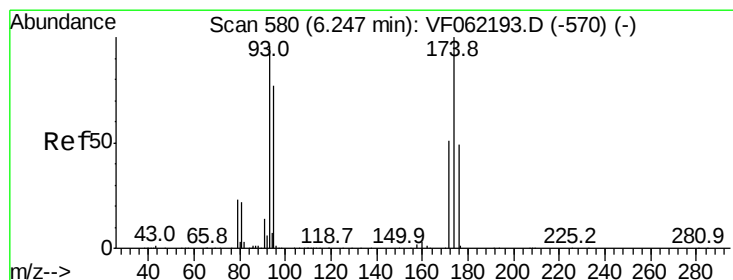
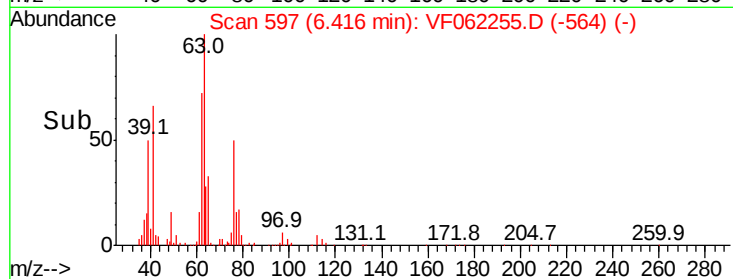
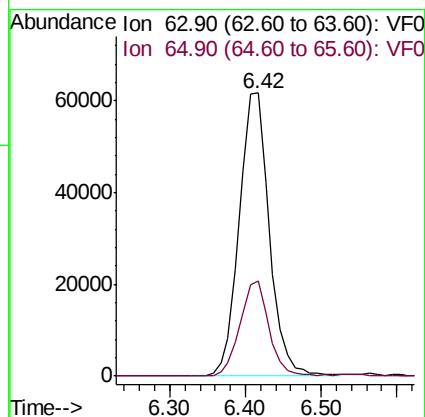
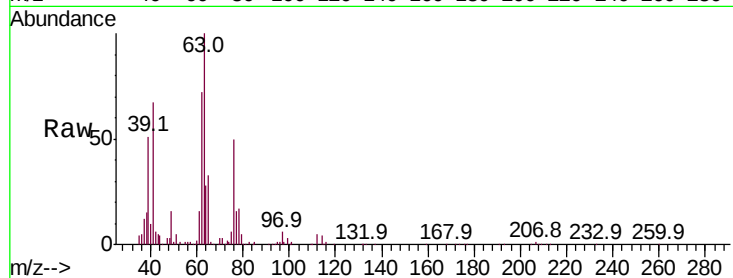
65 33.5 25.9 38.9

Manual Integrations

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#46

Dibromomethane

Concen: 50.677 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

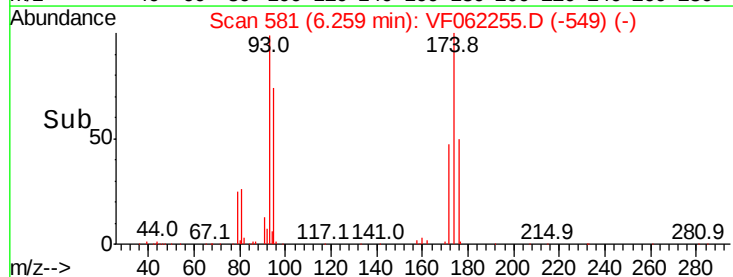
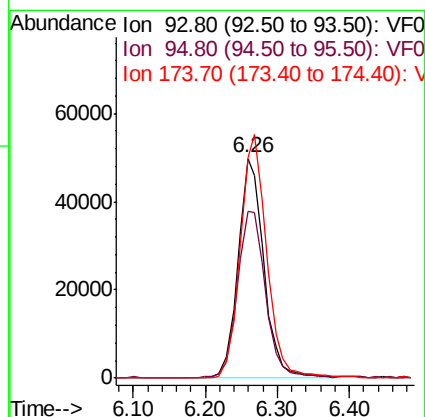
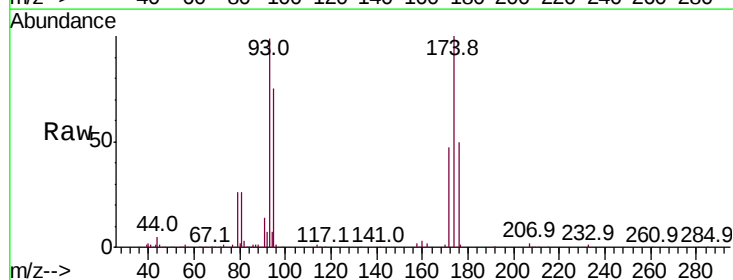
Tgt Ion: 93 Resp: 124555

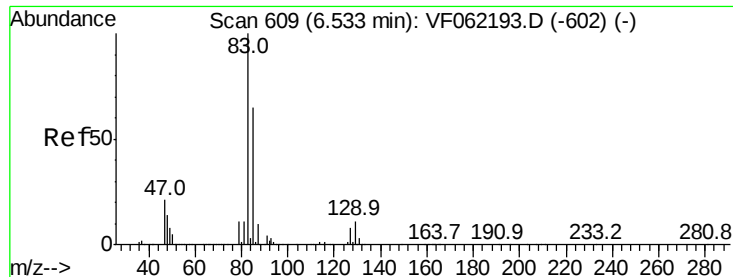
Ion Ratio Lower Upper

93 100

95 82.6 65.1 97.7

174 114.1 81.8 122.6





#47

Bromodichloromethane

Concen: 51.309 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

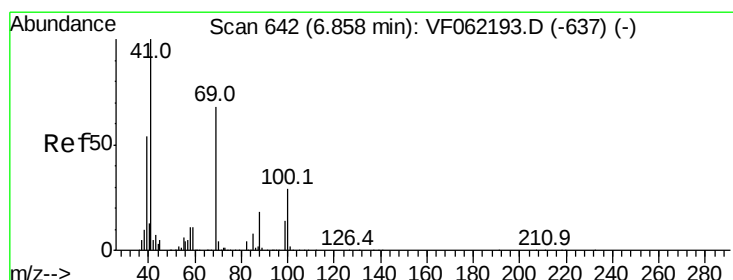
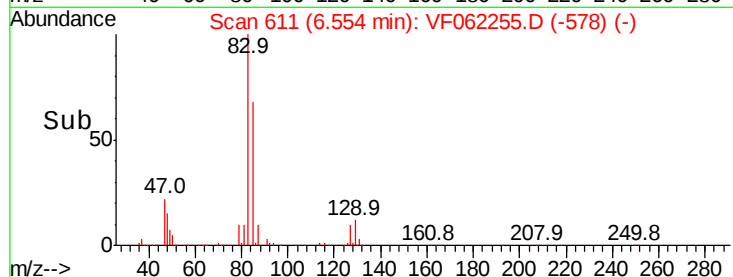
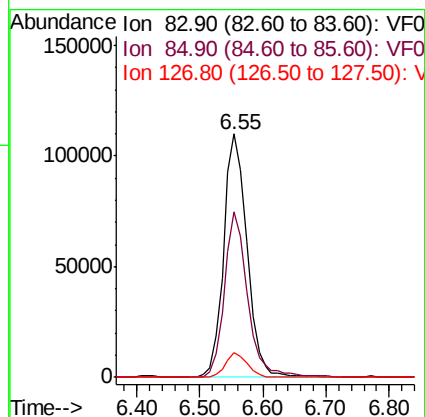
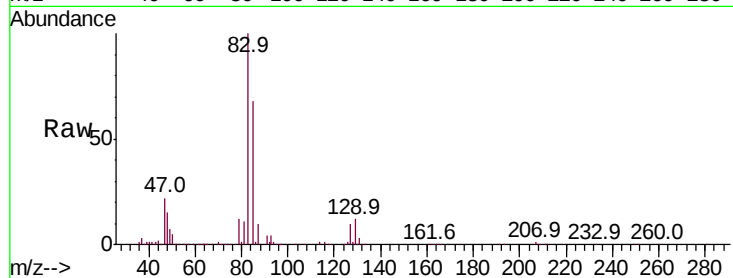
ClientSampleId :

VSTDCCC050EC

Tot Ion	83	Resp	284583
Ion Ratio	Lower	Upper	
83	100		
85	67.8	52.2	78.4
127	10.4	6.7	10.1#

Manual Integrations
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#48

Methyl methacrylate

Concen: 44.255 ug/l

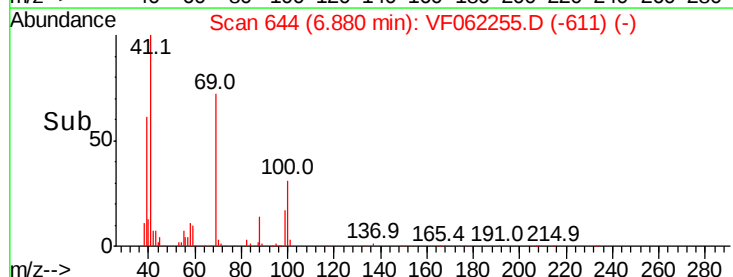
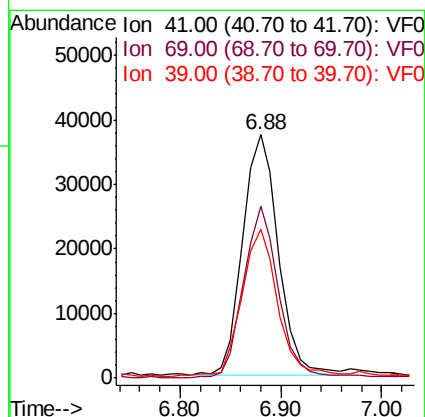
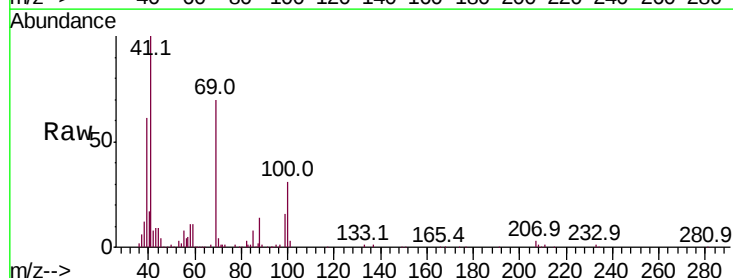
RT: 6.88 min Scan# 644

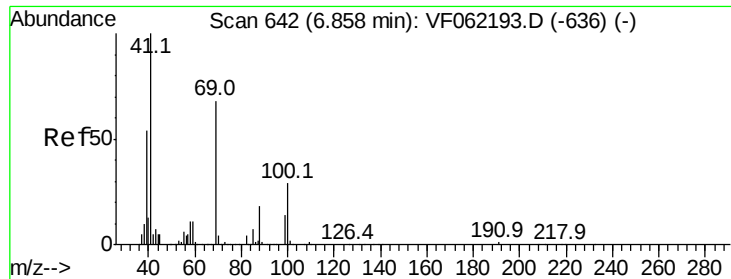
Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion	41	Resp	92292
Ion Ratio	Lower	Upper	
41	100		
69	70.7	54.9	82.3
39	61.5	43.6	65.4





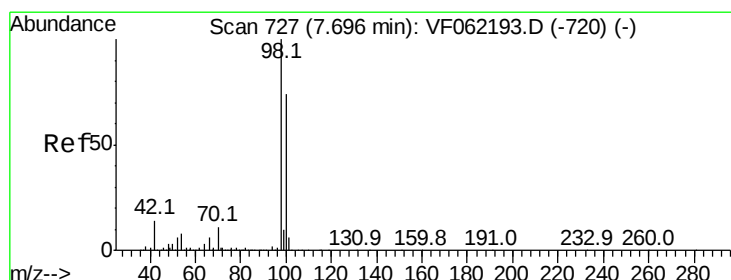
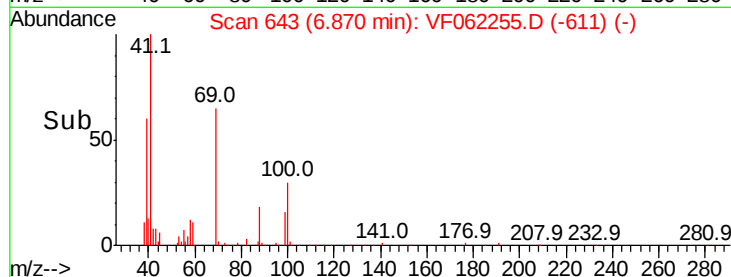
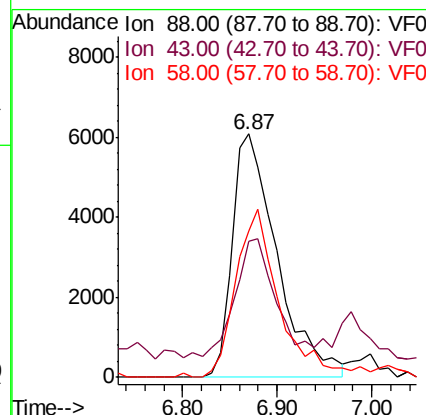
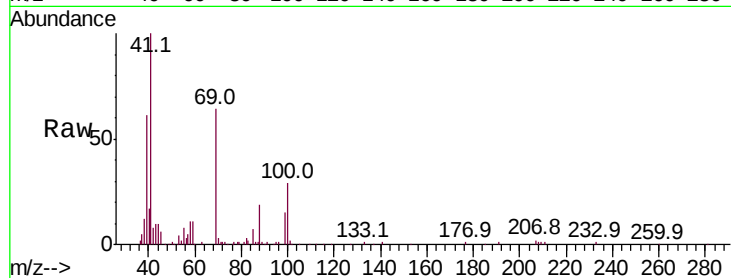
#49
 1,4-Dioxane
 Concen: 833.301 ug/l
 RT: 6.87 min Scan# 643
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	19930
Ion Ratio	Lower	Upper	
88	100		
43	44.5	36.9	55.3
58	66.4	56.8	85.2

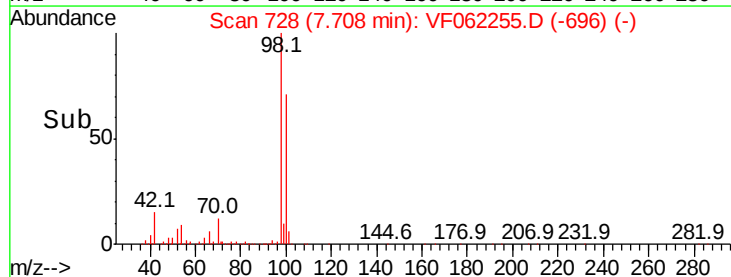
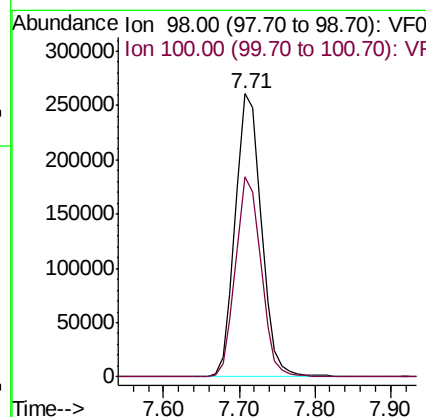
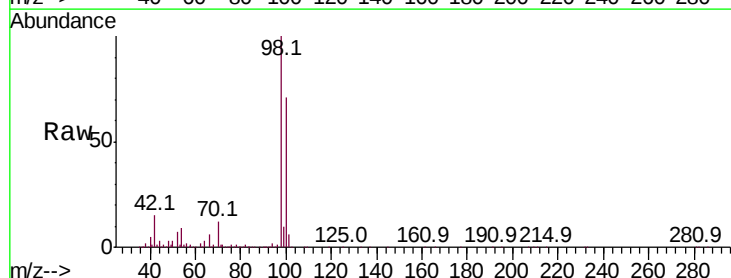
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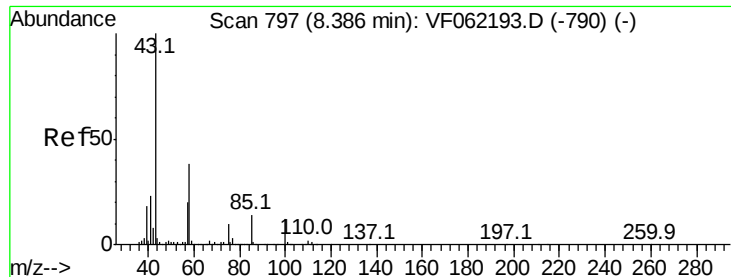
MMDadoda
 4/23/2019 9:22:28 AM



#50
 Toluene-d8
 Concen: 52.744 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion	98	Resp	622834
Ion Ratio	Lower	Upper	
98	100		
100	69.2	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 206.092 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 486430

Ion Ratio Lower Upper

43 100

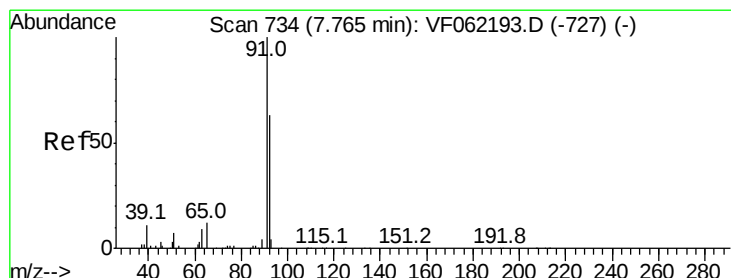
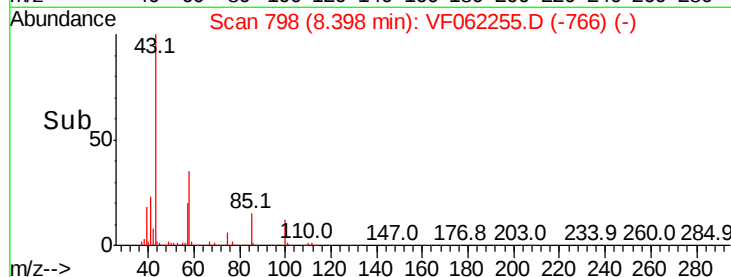
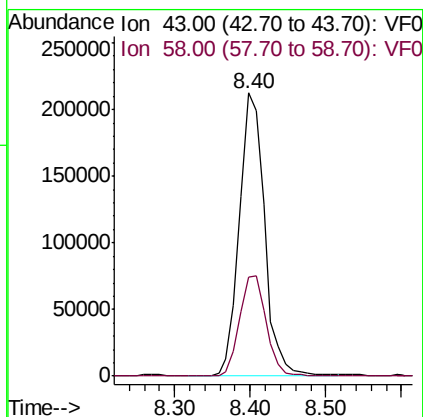
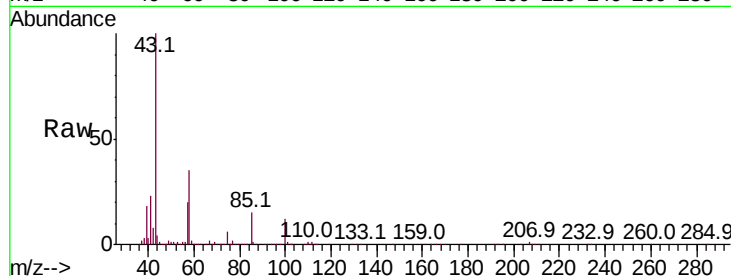
58 37.8 29.3 43.9

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#52

Toluene

Concen: 48.100 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062255.D

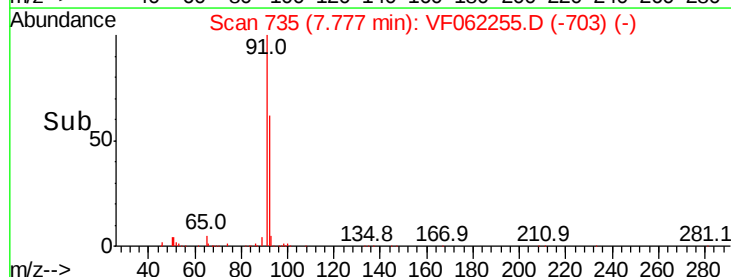
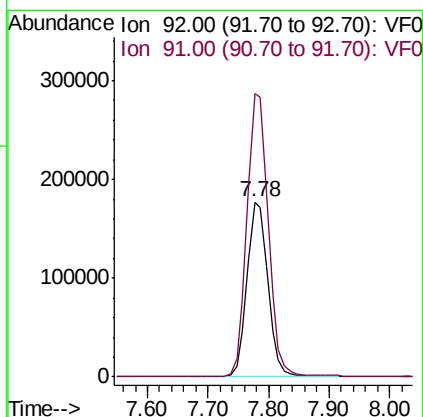
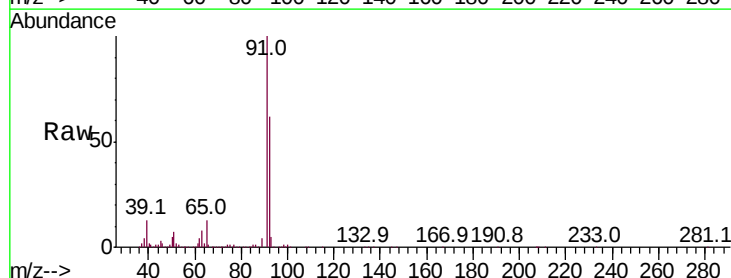
Acq: 22 Apr 2019 20:38

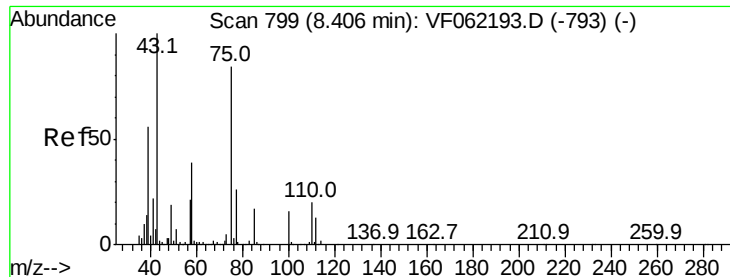
Tgt Ion: 92 Resp: 425225

Ion Ratio Lower Upper

92 100

91 166.0 130.1 195.1





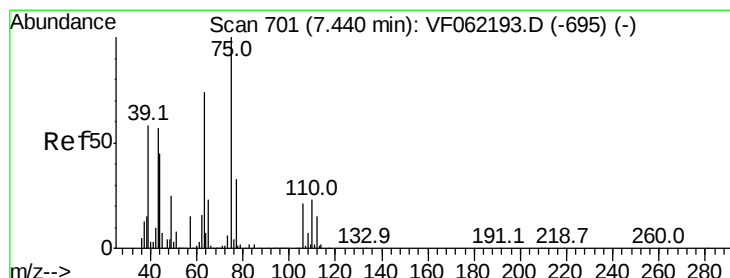
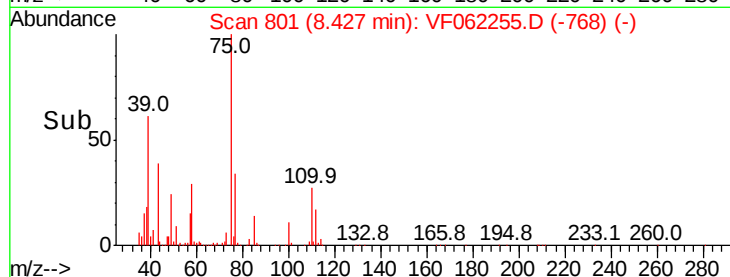
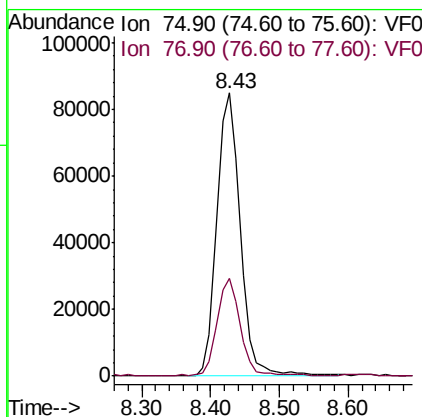
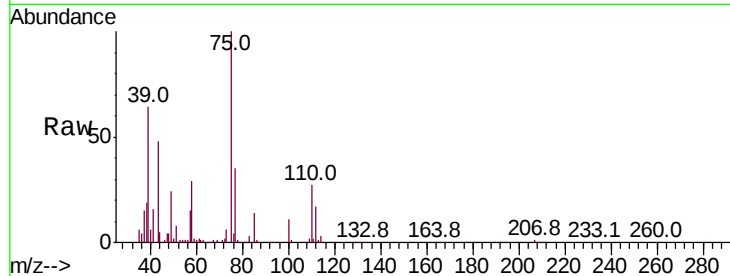
#53
 t-1,3-Dichloropropene
 Concen: 48.282 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.02 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.4	24.6	36.8

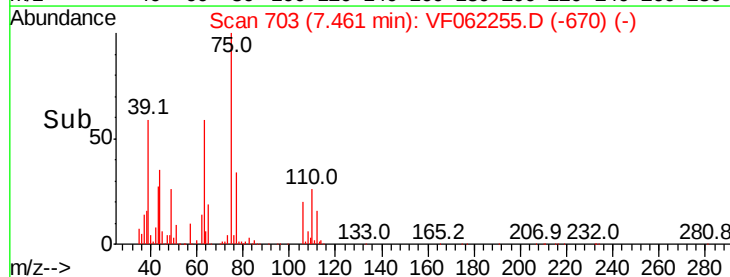
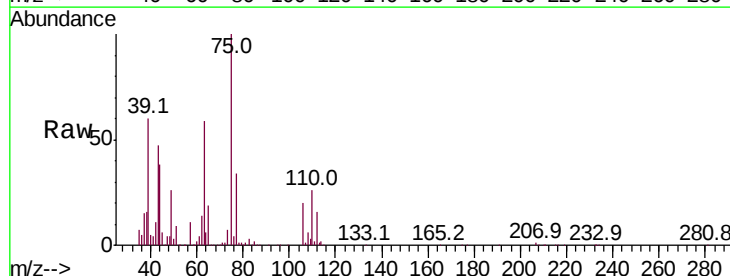
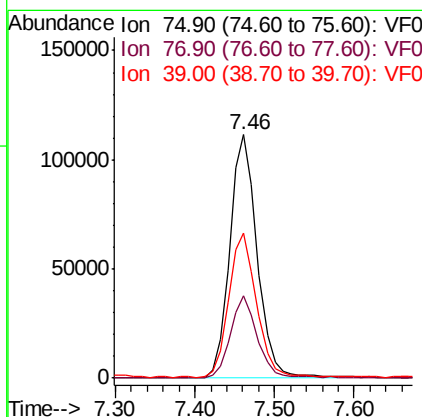
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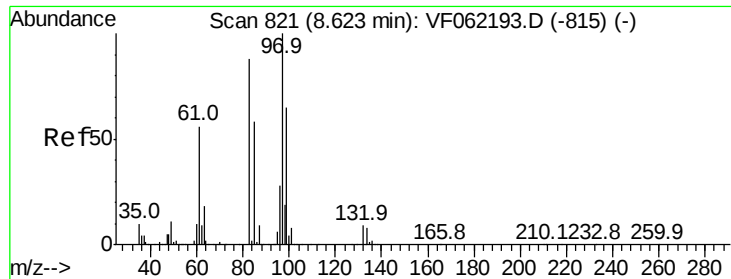
MMDadoda
 4/23/2019 9:22:28 AM



#54
 cis-1,3-Dichloropropene
 Concen: 47.450 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.02 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.5	26.4	39.6
39	59.2	46.7	70.1





#55

1,1,2-Trichloroethane

Concen: 50.579 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062255.D

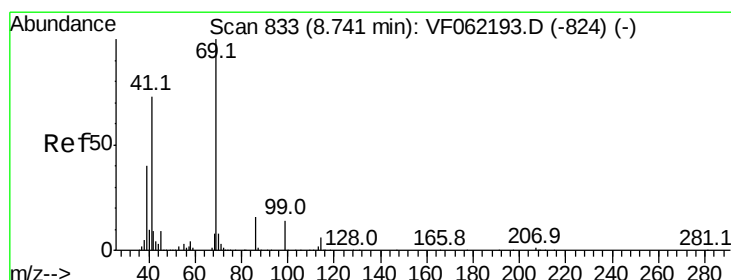
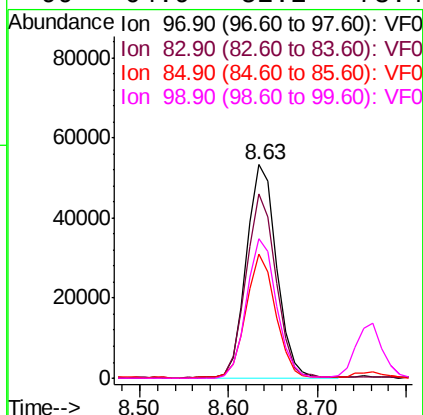
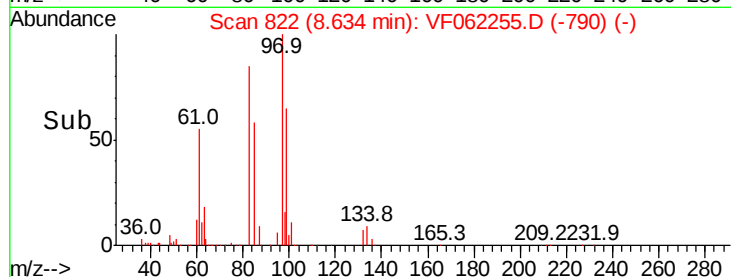
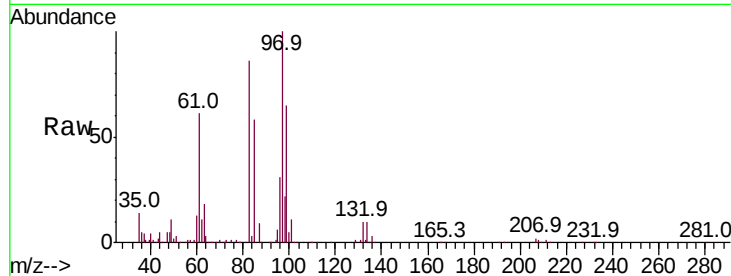
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		125261		
83	86.0	70.2	105.2		
85	57.7	46.2	69.4		
99	64.9	52.2	78.4		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 45.809 ug/l

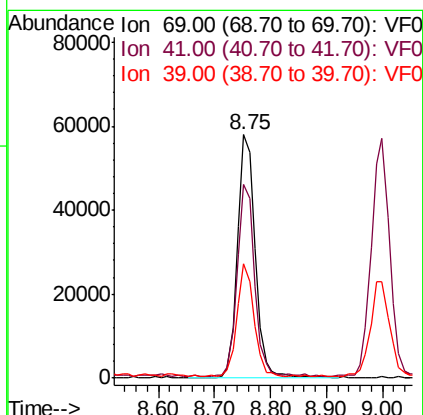
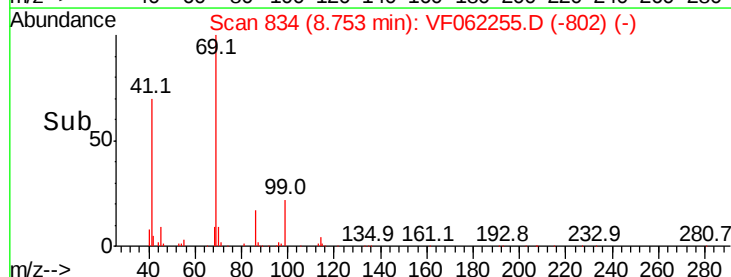
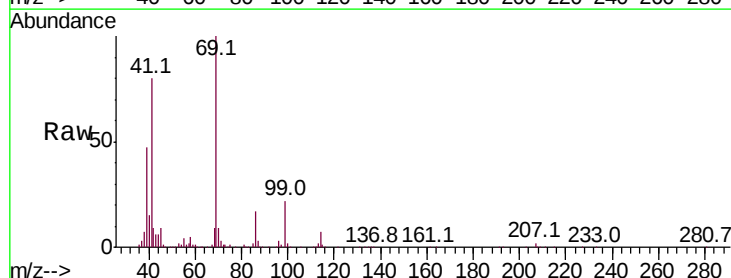
RT: 8.75 min Scan# 834

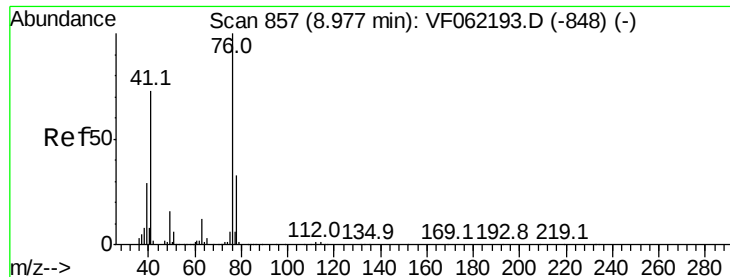
Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		128986		
41	76.2	61.5	92.3		
39	42.6	33.3	49.9		





#57

1,3-Dichloropropane

Concen: 46.331 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 185279

Ion Ratio Lower Upper

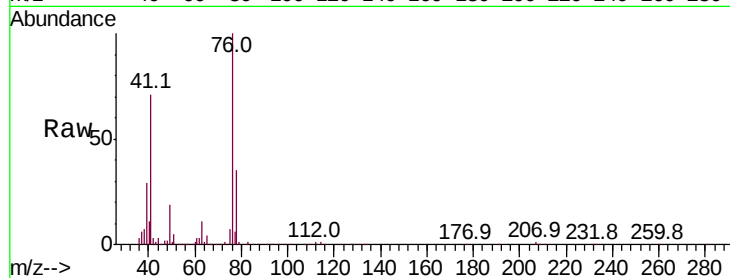
76 100

78 32.8 26.5 39.7

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

80000

60000

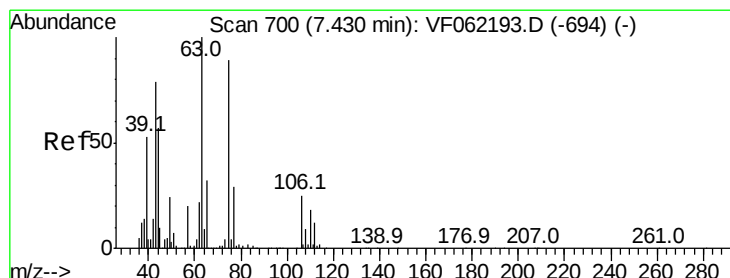
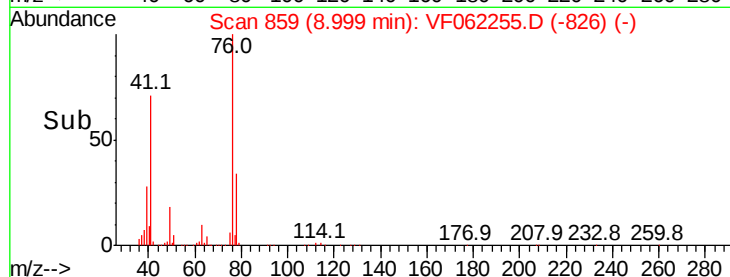
40000

20000

0

8.90 9.00 9.10 9.20

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 237.886 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.02 min

Lab File: VF062255.D

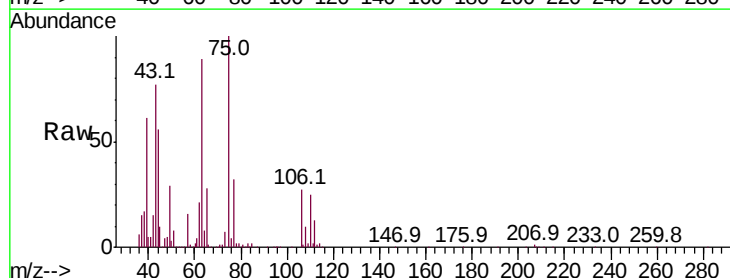
Acq: 22 Apr 2019 20:38

Tgt Ion: 63 Resp: 194471

Ion Ratio Lower Upper

63 100

106 29.7 21.4 32.0



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

100000

80000

60000

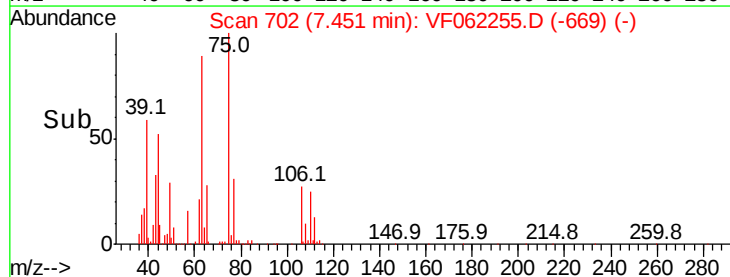
40000

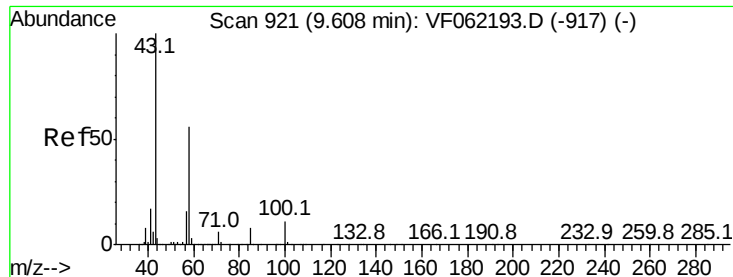
20000

0

7.30 7.40 7.50 7.60

Time-->





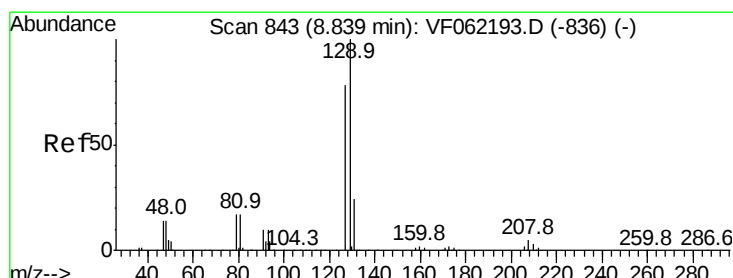
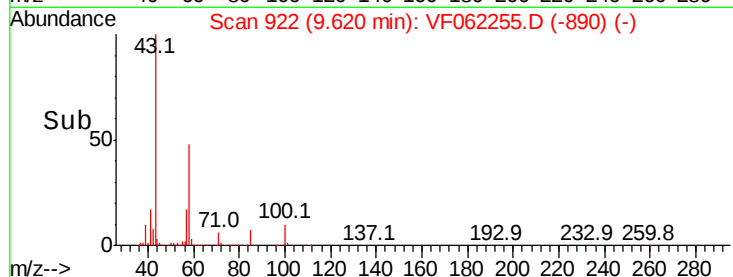
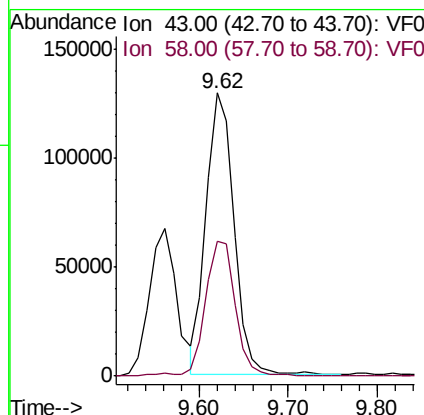
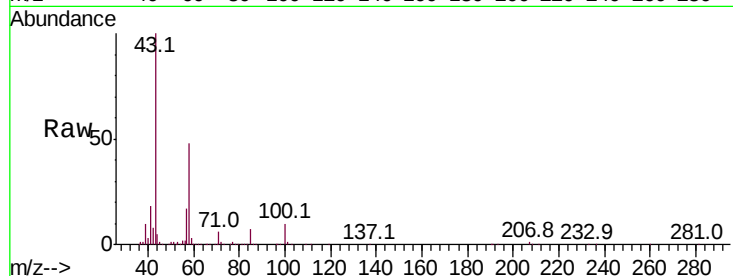
#59
2-Hexanone
Concen: 191.313 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 281539
Ion Ratio Lower Upper
43 100
58 51.9 24.6 74.0

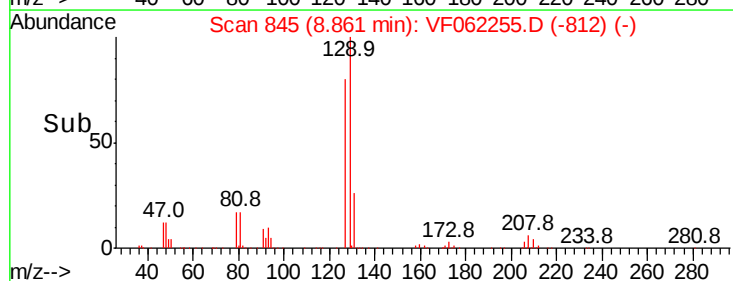
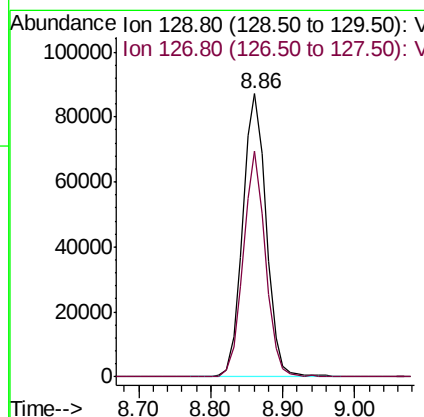
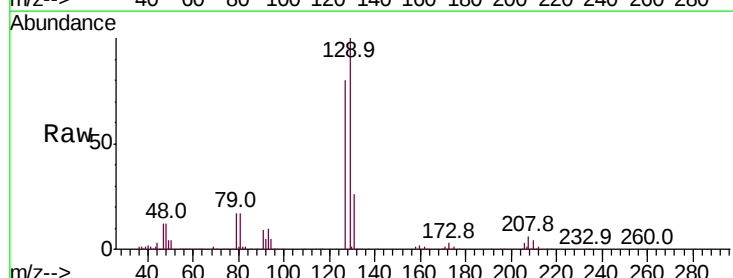
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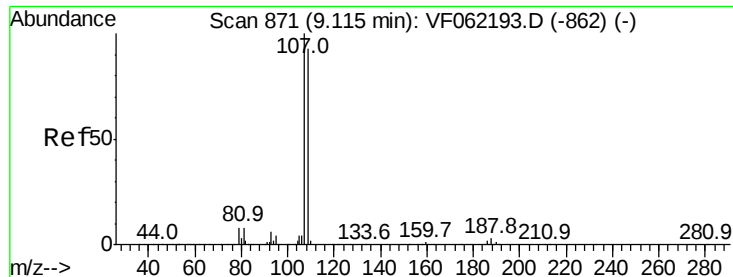
MMDadoda
4/23/2019 9:22:28 AM



#60
Dibromochloromethane
Concen: 54.373 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion: 129 Resp: 200261
Ion Ratio Lower Upper
129 100
127 75.1 39.0 117.0





#61

1,2-Dibromoethane

Concen: 51.027 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 142371

Ion Ratio Lower Upper

107 100

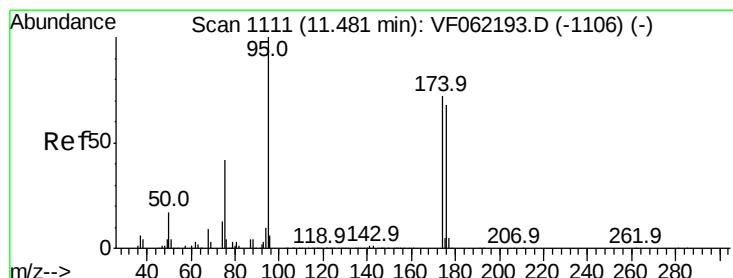
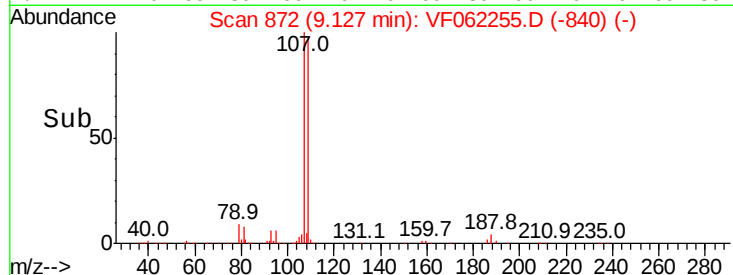
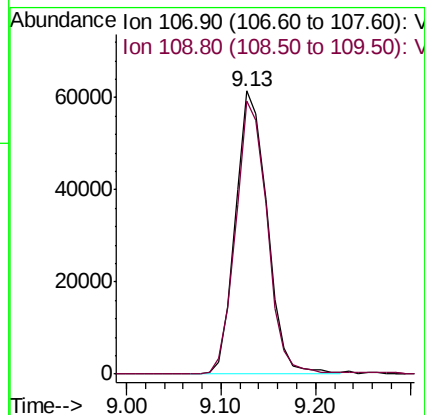
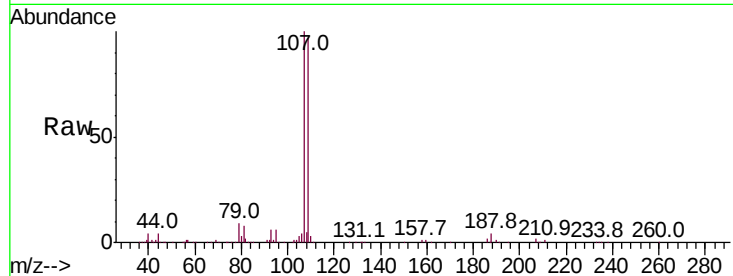
109 96.1 74.3 111.5

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#62

4-Bromofluorobenzene

Concen: 52.886 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

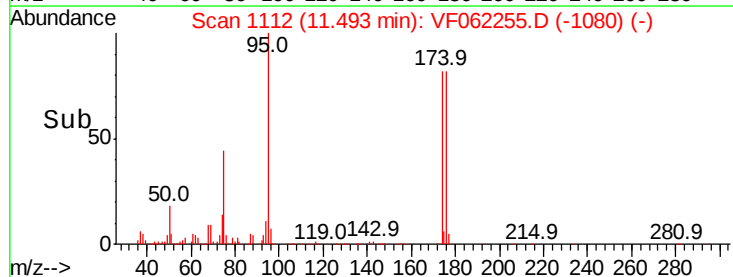
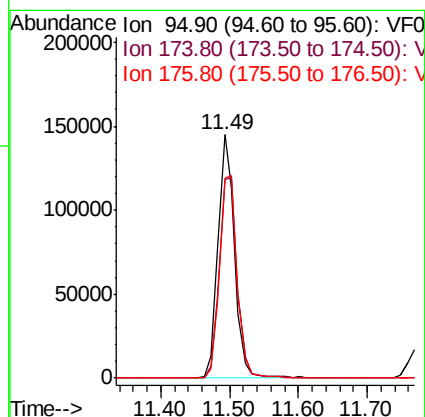
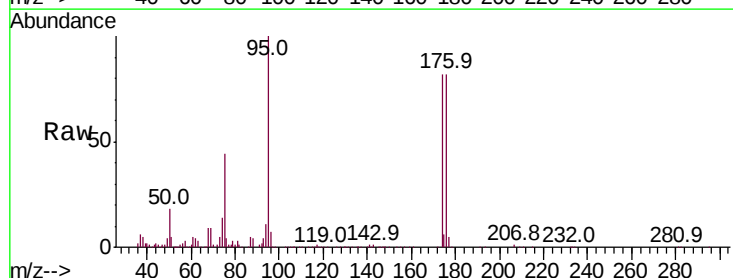
Tgt Ion: 95 Resp: 240246

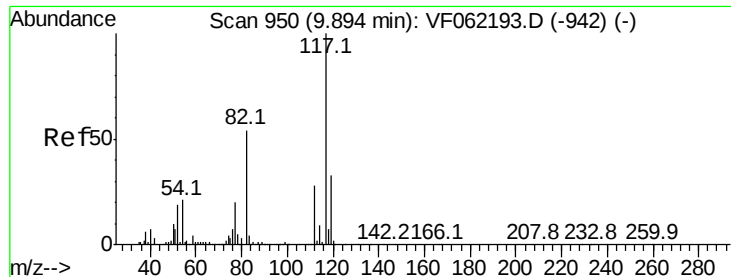
Ion Ratio Lower Upper

95 100

174 89.6 0.0 159.4

176 88.8 0.0 155.4





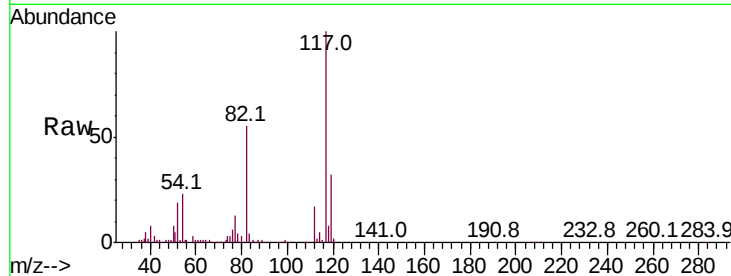
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	416939		
82	54.6		43.2	64.8
119	32.1		26.2	39.4

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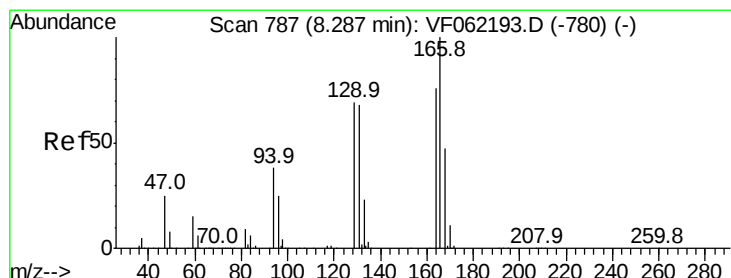
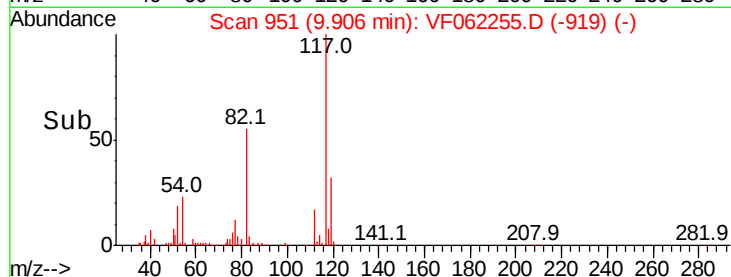
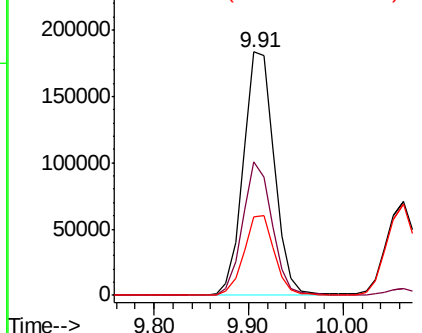


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 55.890 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	210359		
166	130.3		104.7	157.1
129	85.2		72.6	109.0
131	82.2		71.6	107.4

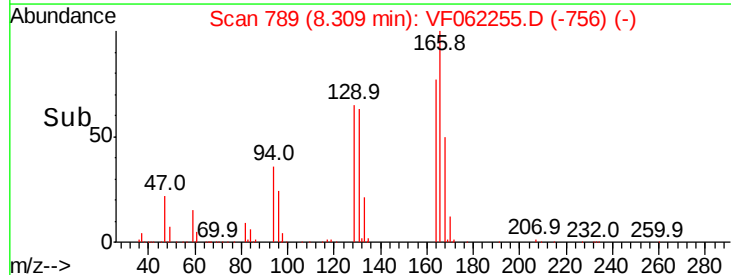
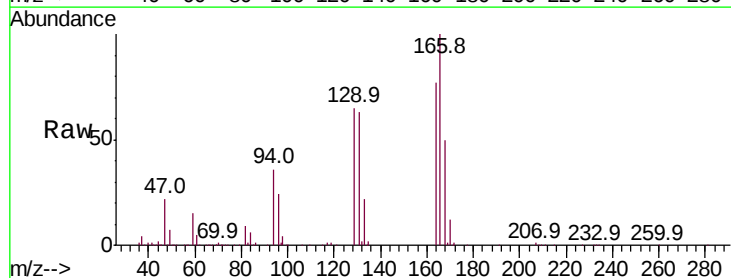
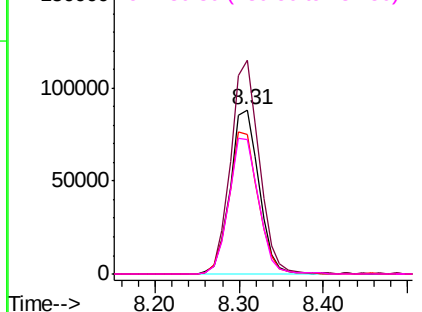
Abundance

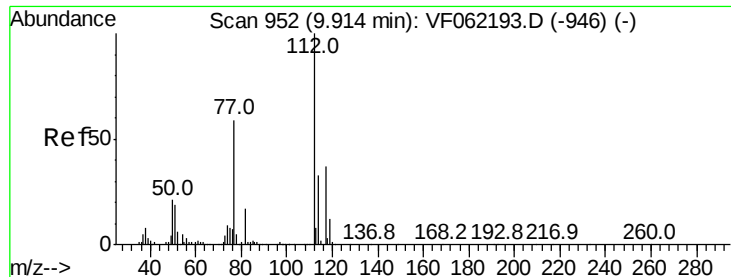
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.378 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 456768

Ion Ratio Lower Upper

112 100

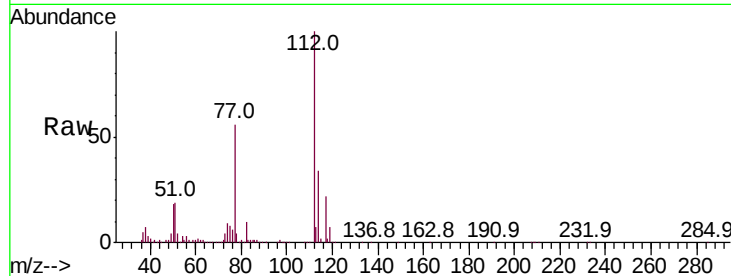
114 34.3 26.1 39.1

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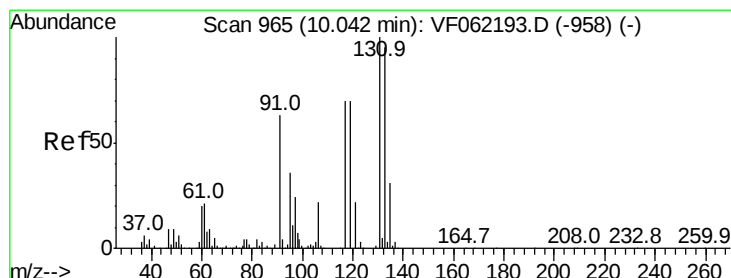
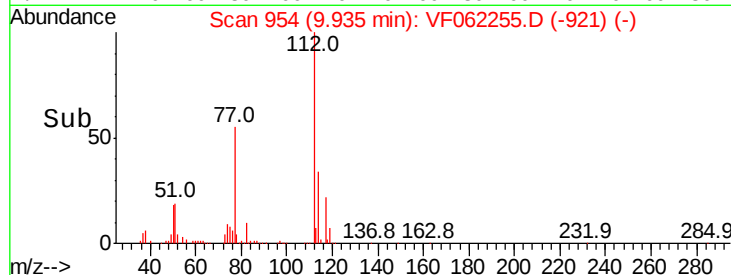
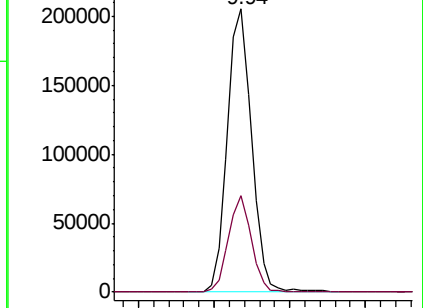
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.910 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

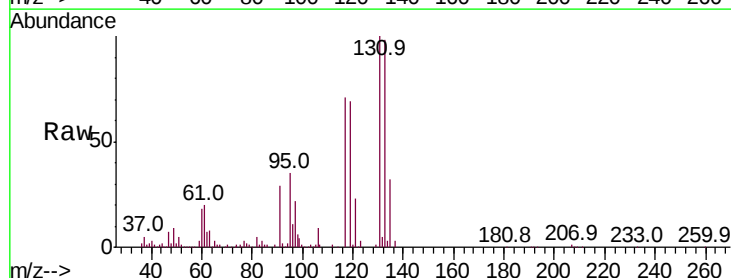
Tgt Ion:131 Resp: 224444

Ion Ratio Lower Upper

131 100

133 95.9 47.7 143.1

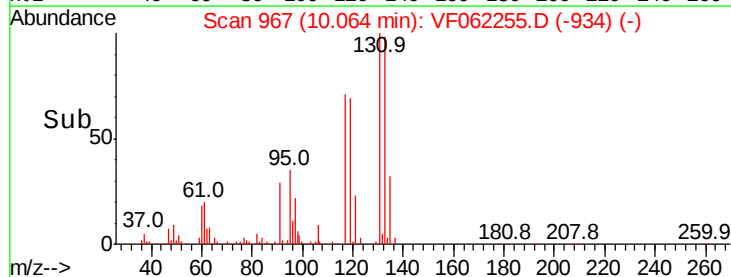
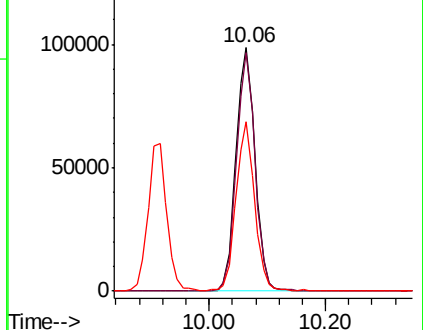
119 66.7 34.6 103.9

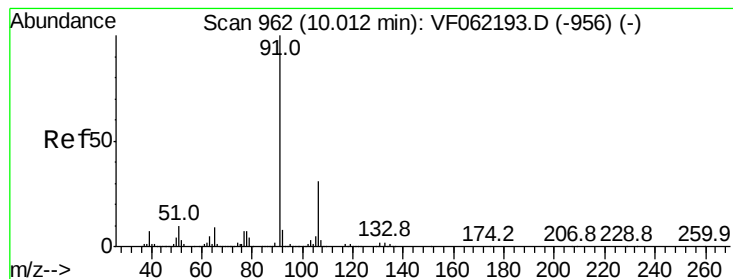


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.563 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 785065

Ion Ratio Lower Upper

91 100

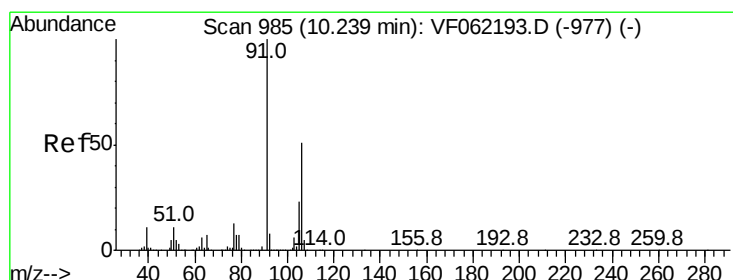
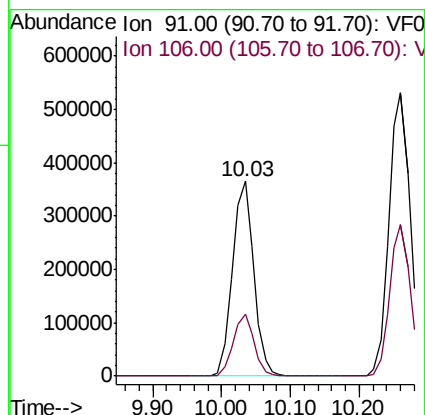
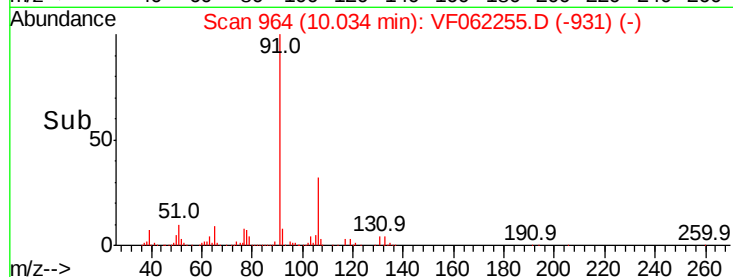
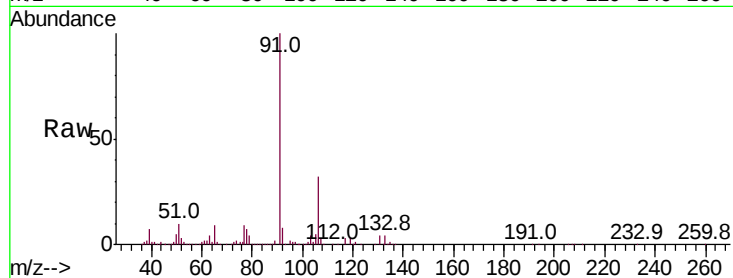
106 31.6 24.9 37.3

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#68

m/p-Xylenes

Concen: 100.828 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.02 min

Lab File: VF062255.D

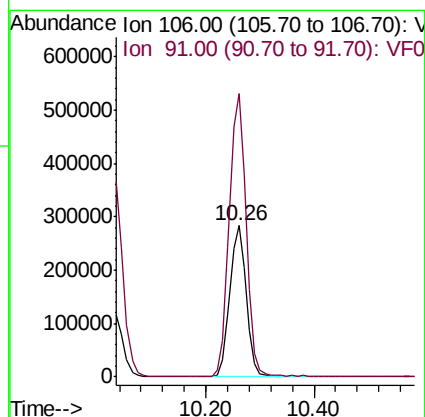
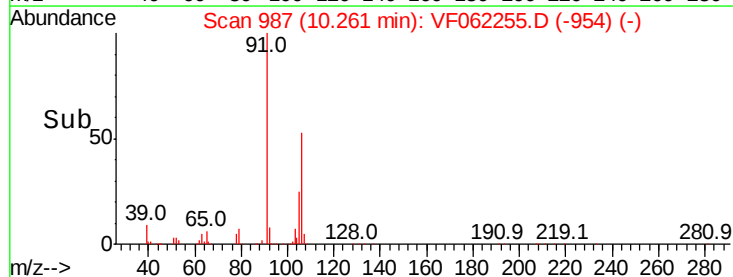
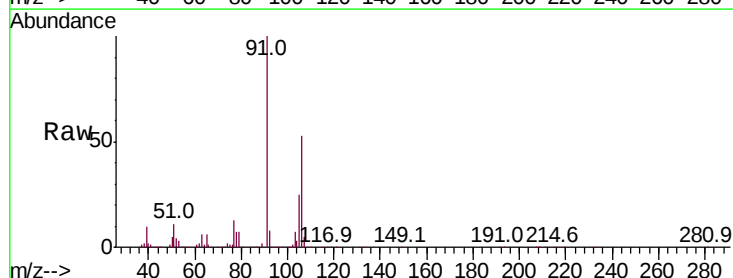
Acq: 22 Apr 2019 20:38

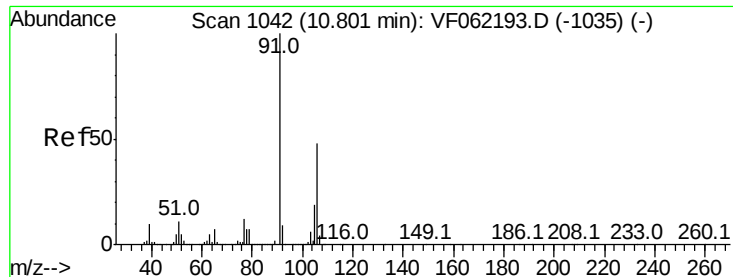
Tgt Ion: 106 Resp: 600039

Ion Ratio Lower Upper

106 100

91 191.4 159.1 238.7





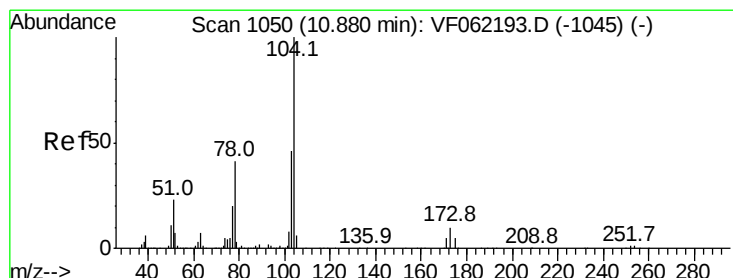
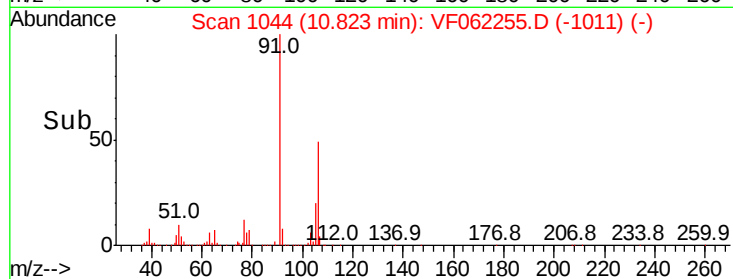
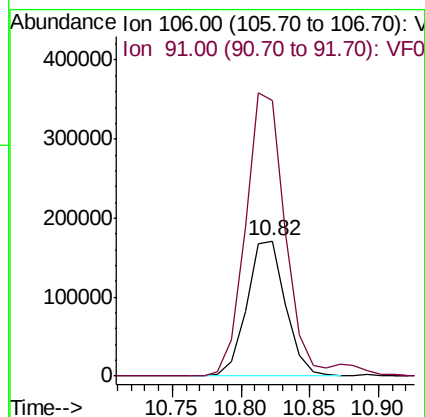
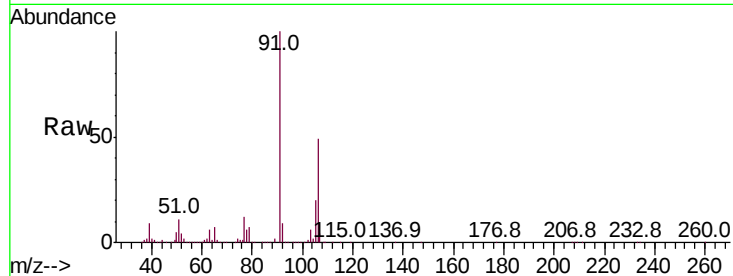
#69
o-Xylene
Concen: 50.584 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.3	107.5	322.4

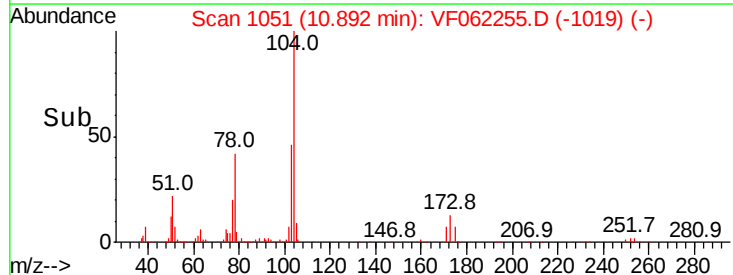
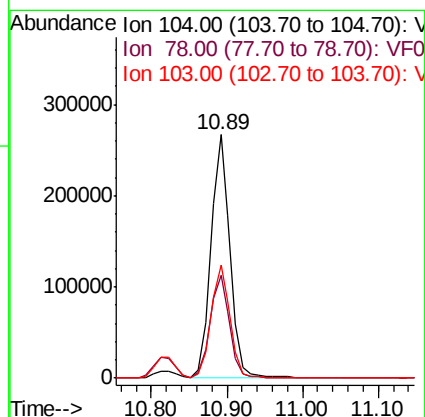
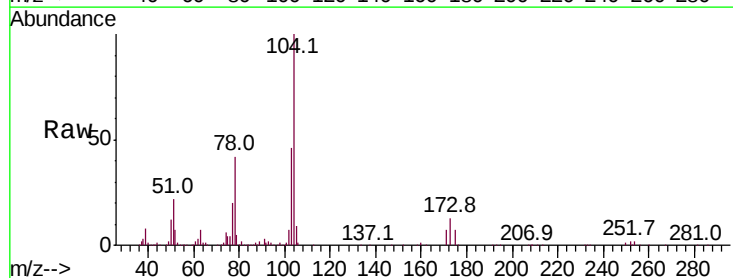
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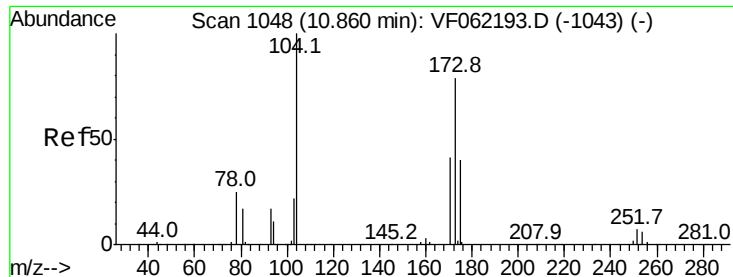
MMDadoda
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#70
Styrene
Concen: 50.179 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.8	34.5	51.7
103	46.4	37.2	55.8





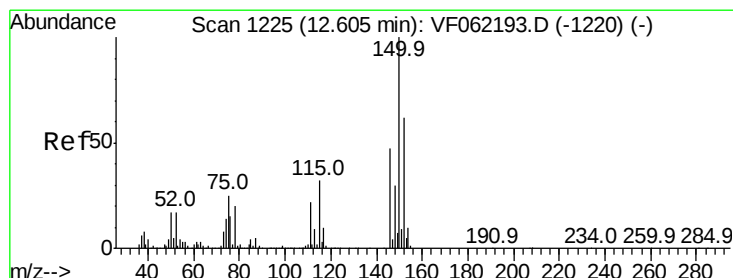
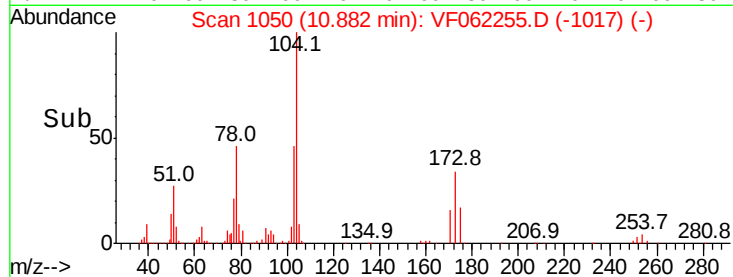
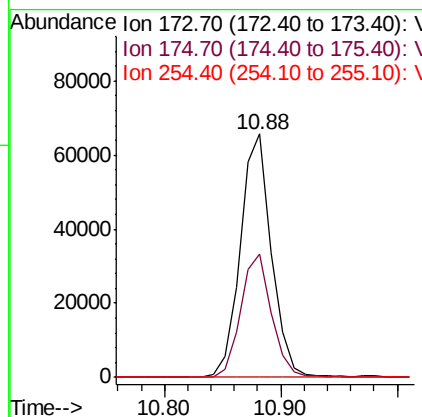
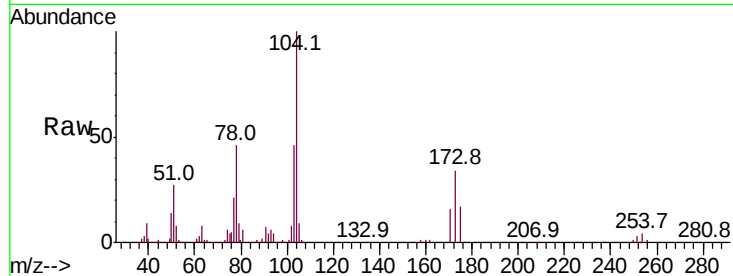
#71
Bromoform
Concen: 55.024 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.5	73.5
254	0.1	0.1	0.1#

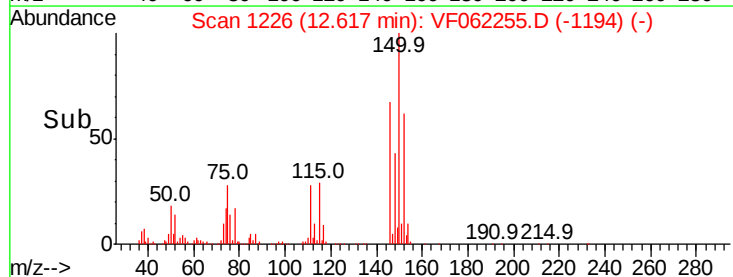
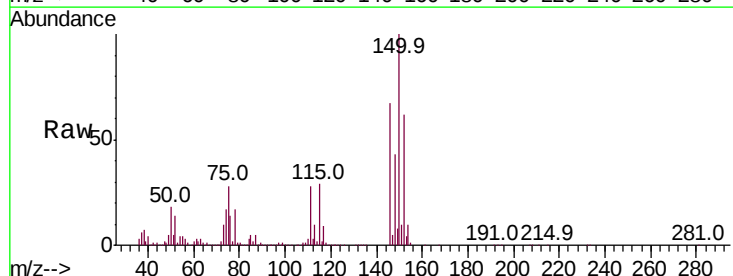
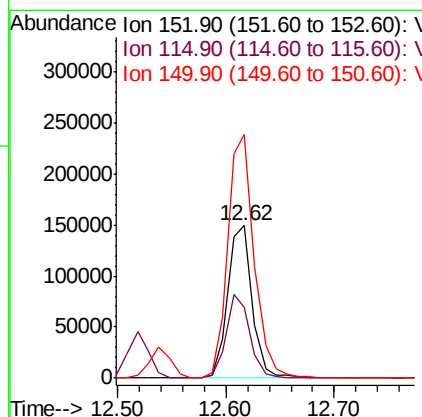
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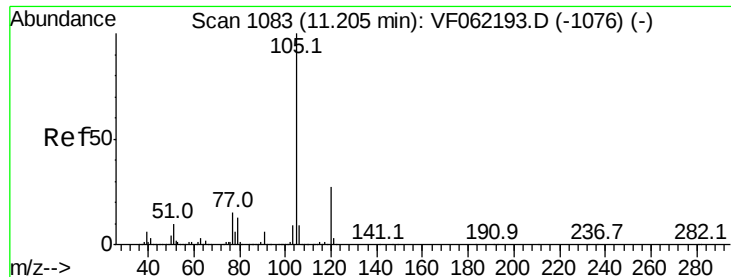
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.8	83.3
150	170.7	0.0	341.8





#73

Isopropylbenzene

Concen: 47.646 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 967198

Ion Ratio Lower Upper

105 100

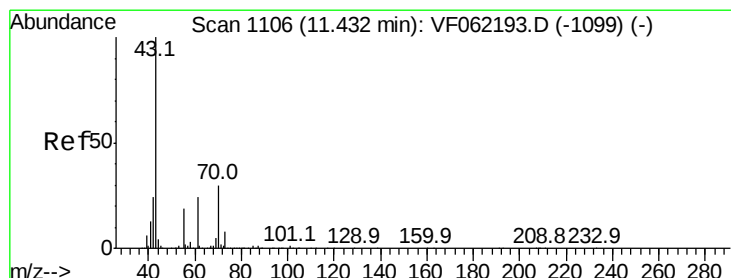
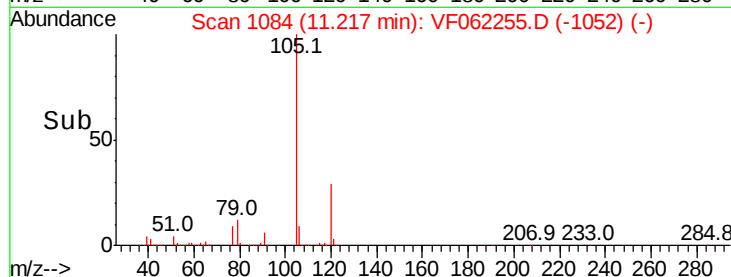
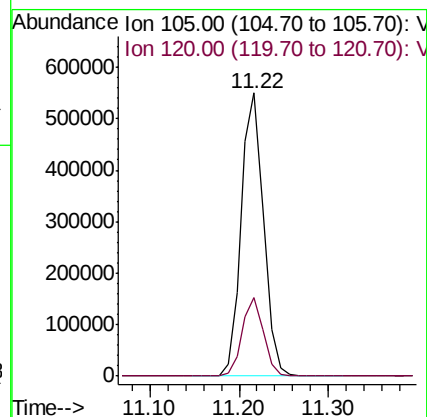
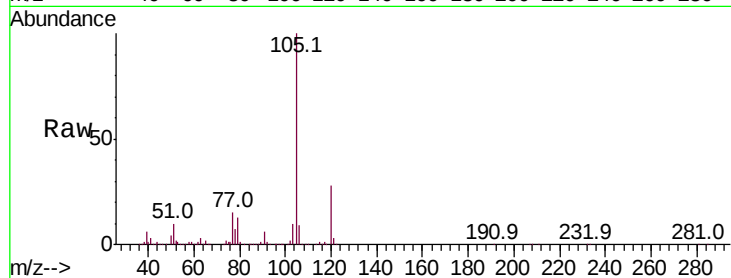
120 26.7 13.0 38.9

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#74

N-ethyl acetate

Concen: 37.245 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion: 43 Resp: 182087

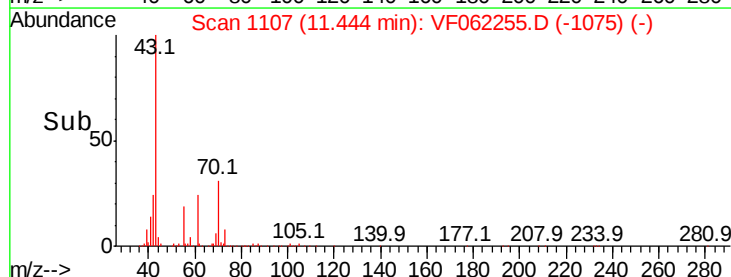
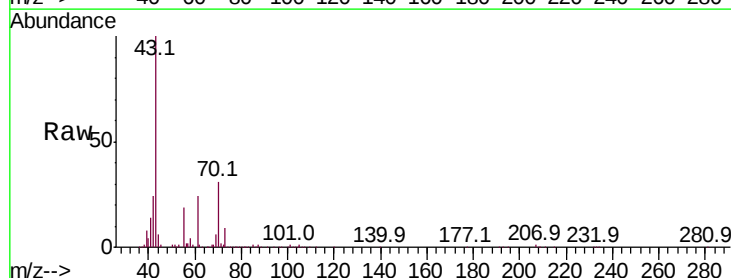
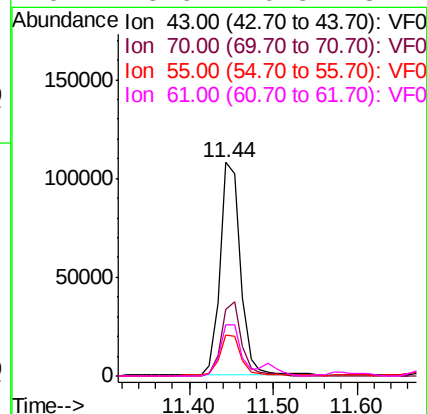
Ion Ratio Lower Upper

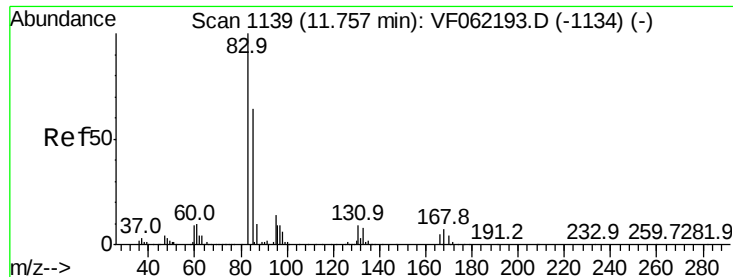
43 100

70 35.2 27.0 40.4

55 20.8 15.7 23.5

61 25.6 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.811 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

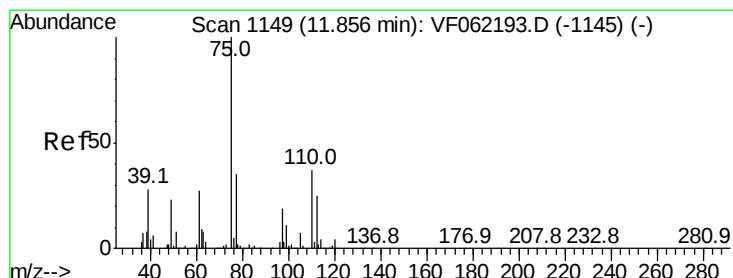
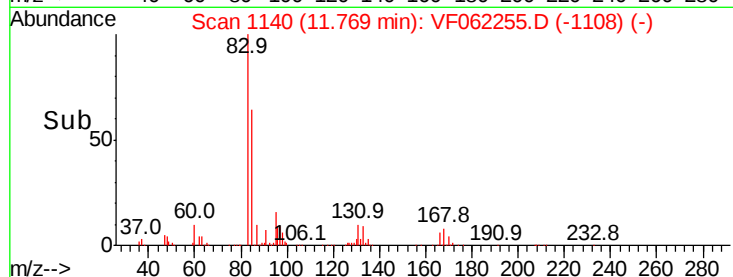
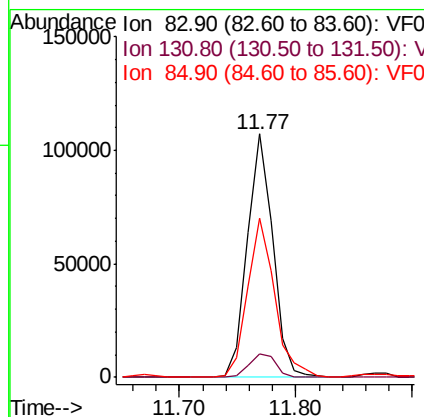
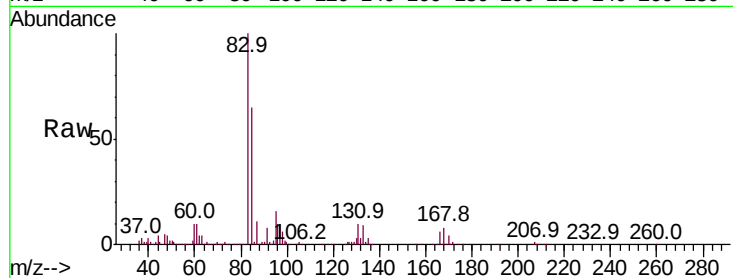
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	163418
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.5	13.5
85	69.6	34.7	104.1

Manual Integrations
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4/23/2019 9:22:28 AM



#76

1,2,3-Trichloropropane

Concen: 45.841 ug/l

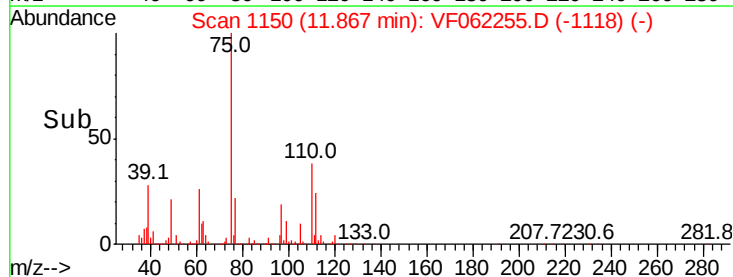
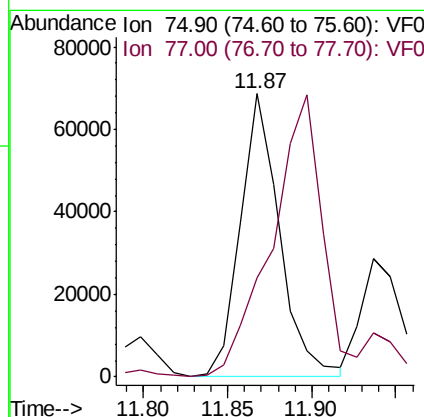
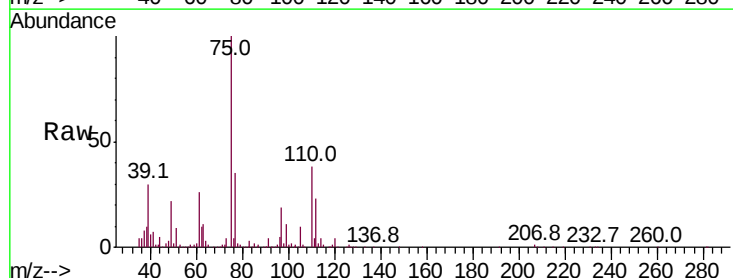
RT: 11.87 min Scan# 1150

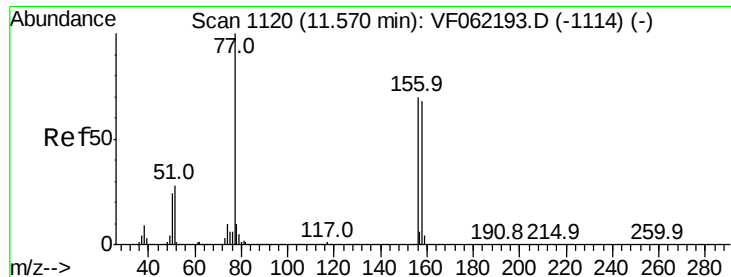
Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion:	75	Resp:	110103
Ion Ratio	Lower	Upper	
75	100		
77	0.0	7.4	22.2#





#77

Bromobenzene

Concen: 54.303 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

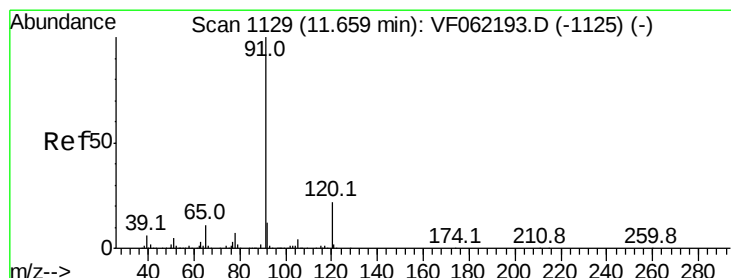
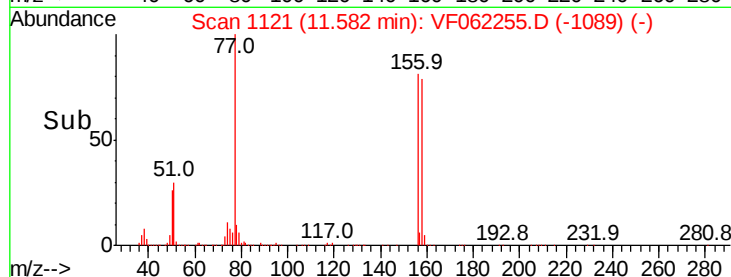
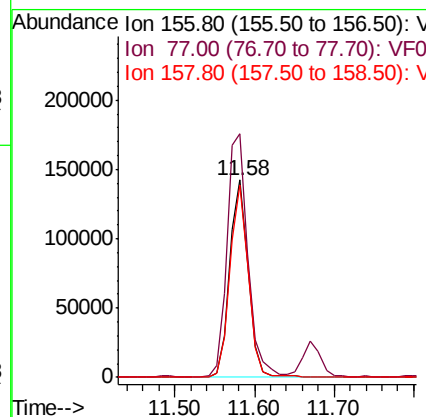
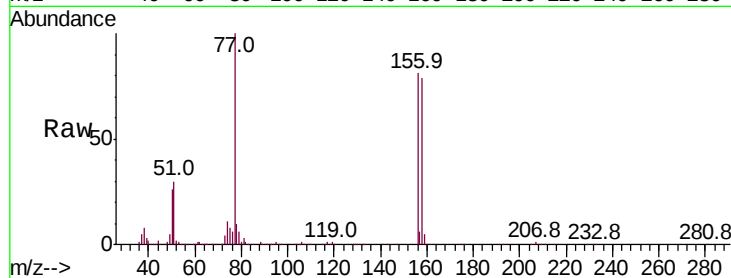
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	236142
Ion Ratio	Lower	Upper	
156	100		
77	137.4	80.9	242.7
158	96.5	49.8	149.4

Manual Integrations
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#78

n-propylbenzene

Concen: 46.426 ug/l

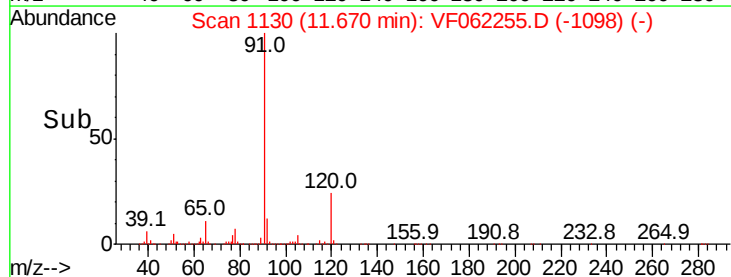
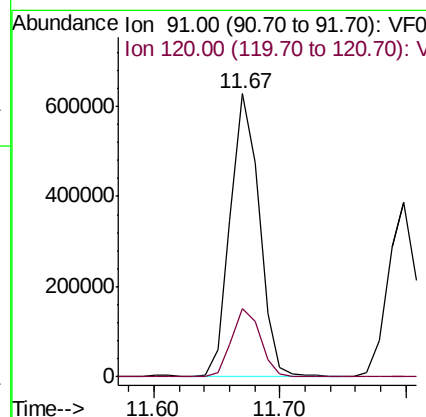
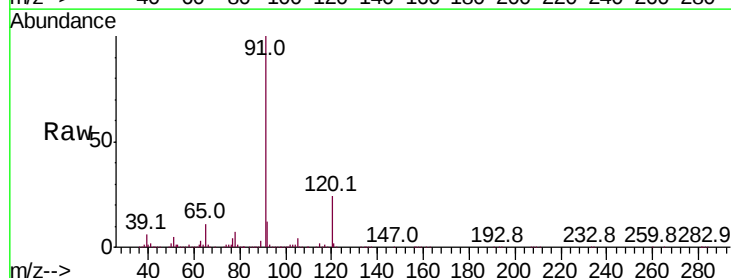
RT: 11.67 min Scan# 1130

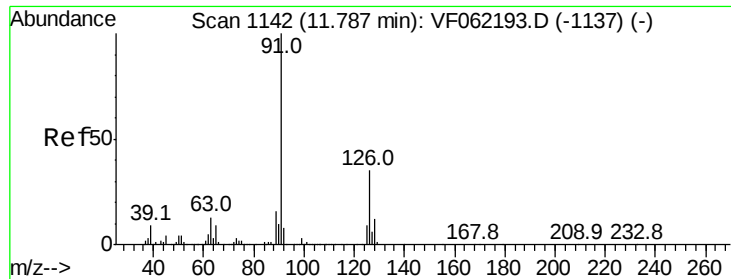
Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion:	91	Resp:	994184
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.2	33.6





#79

2-Chlorotoluene

Concen: 46.830 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 608322

Ion Ratio Lower Upper

91 100

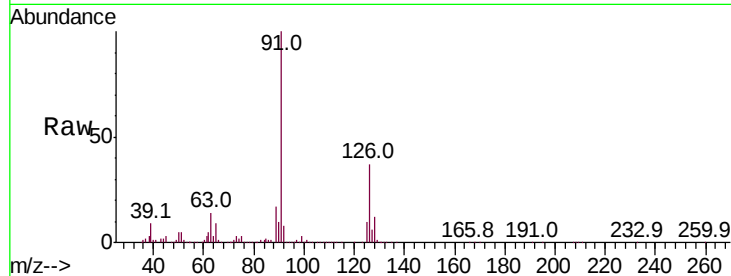
126 35.9 16.9 50.6

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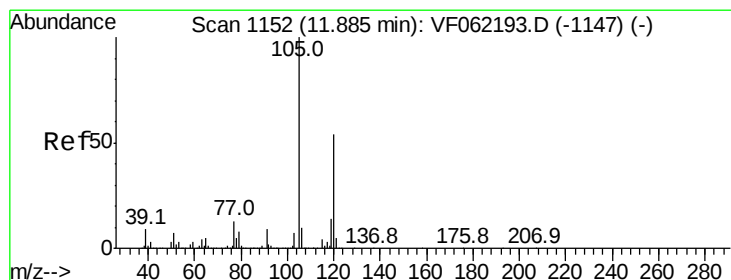
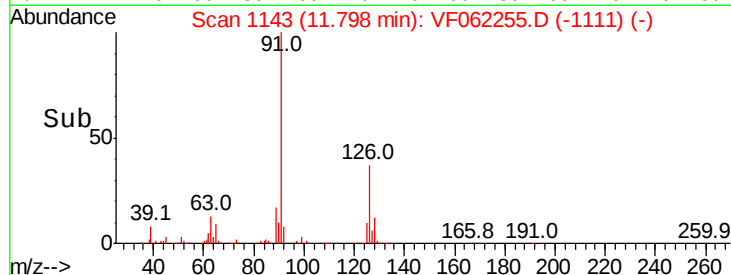
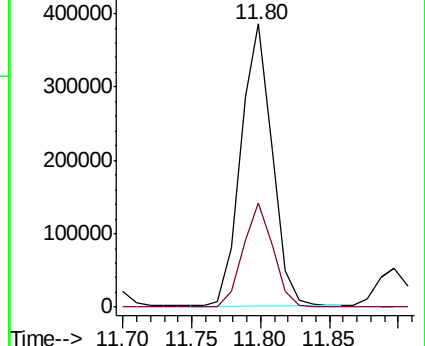
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.895 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062255.D

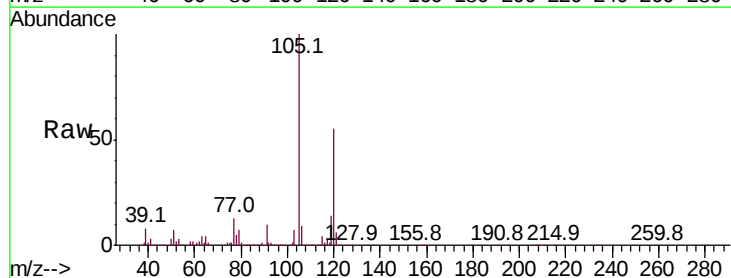
Acq: 22 Apr 2019 20:38

Tgt Ion:105 Resp: 826662

Ion Ratio Lower Upper

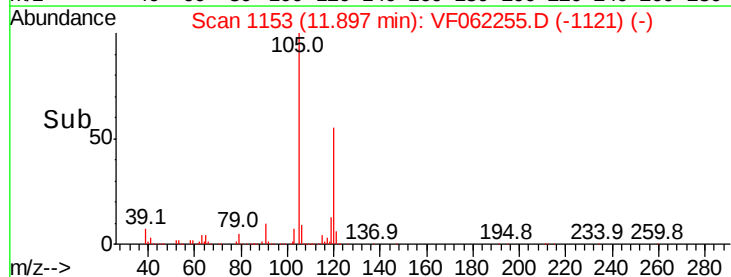
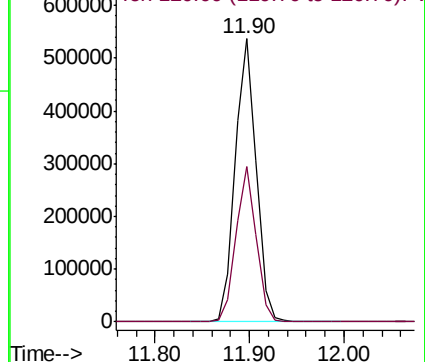
105 100

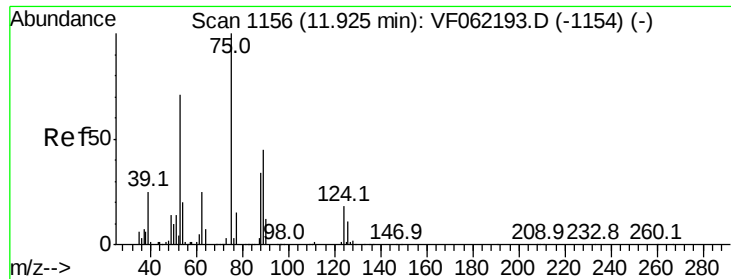
120 52.9 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 36.492 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 44701

Ion Ratio Lower Upper

75 100

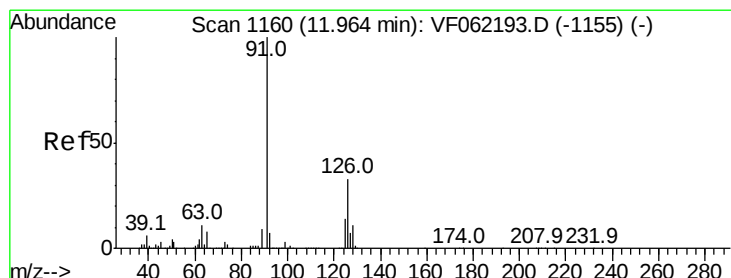
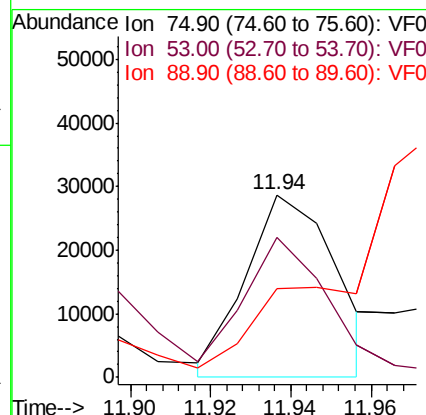
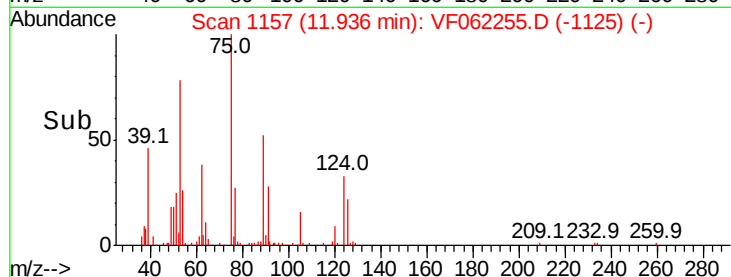
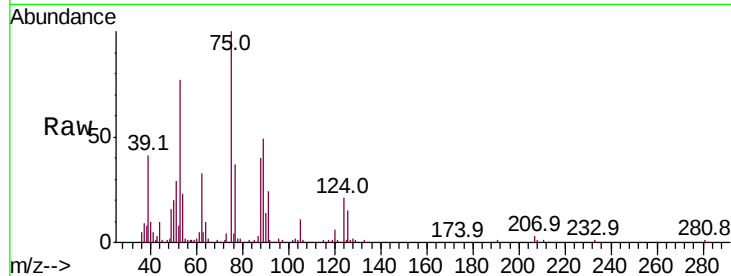
53 76.4 50.2 75.4#

89 0.0 0.0 0.0

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#82

4-Chlorotoluene

Concen: 45.724 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062255.D

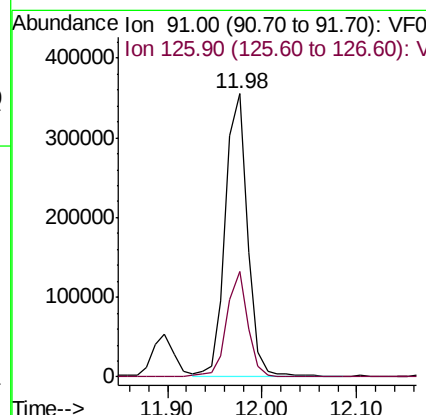
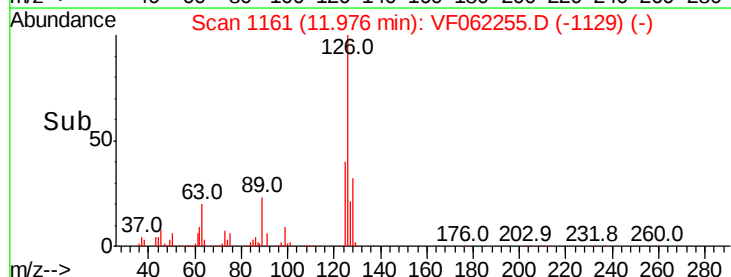
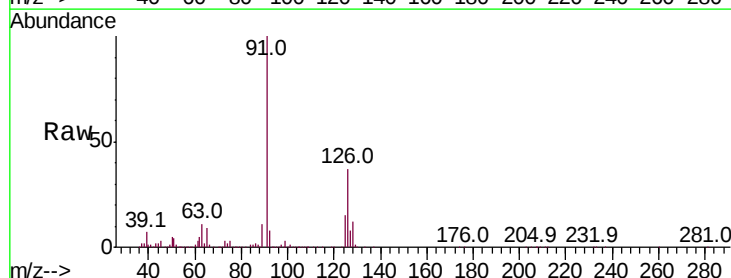
Acq: 22 Apr 2019 20:38

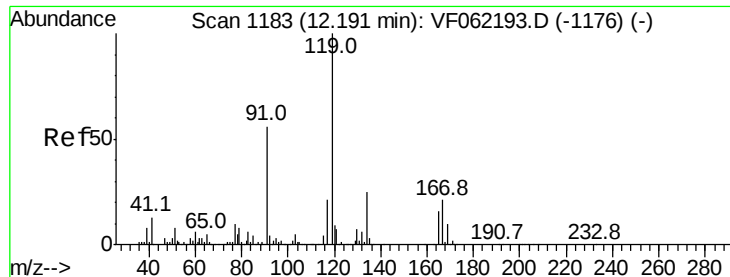
Tgt Ion: 91 Resp: 574011

Ion Ratio Lower Upper

91 100

126 35.8 16.9 50.6





#83

tert-Butylbenzene

Concen: 48.751 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

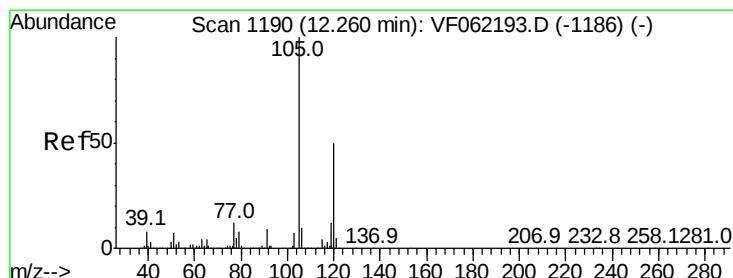
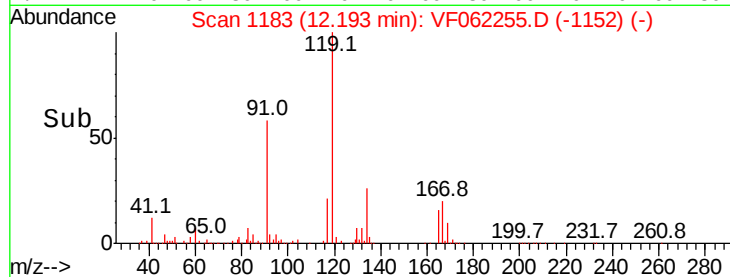
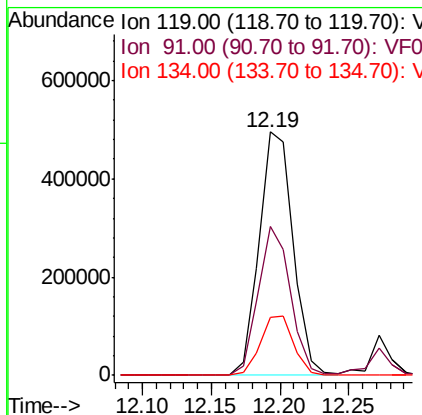
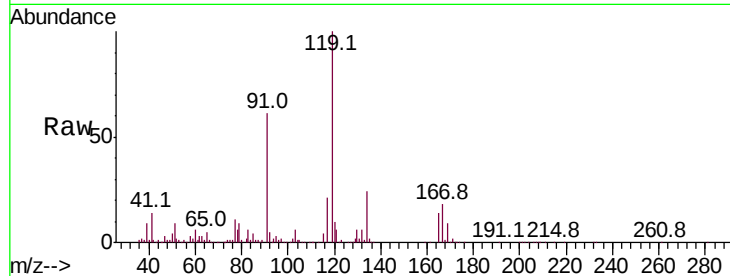
ClientSampleId :

VSTDCCC050EC

Tot Ion:119	Resp:	852366
Ion Ratio	Lower	Upper
119 100		
91 58.0	29.4	88.2
134 23.9	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 38.243 ug/l

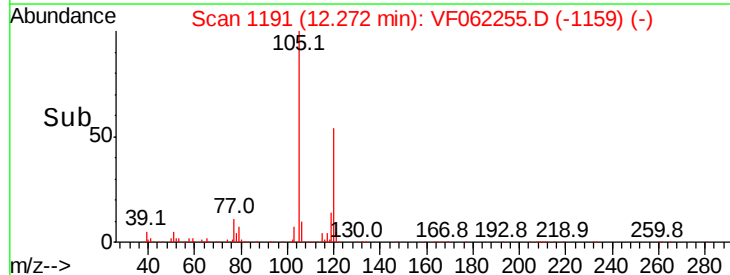
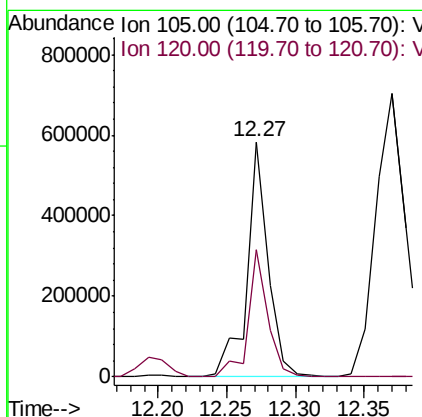
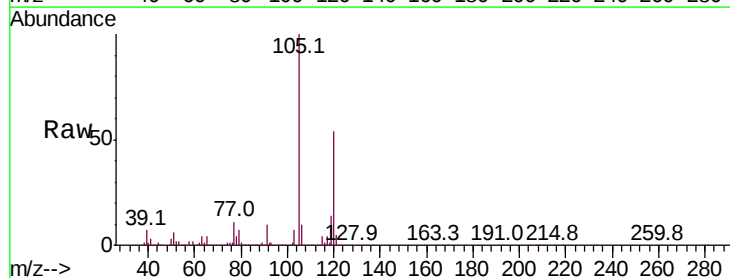
RT: 12.27 min Scan# 1191

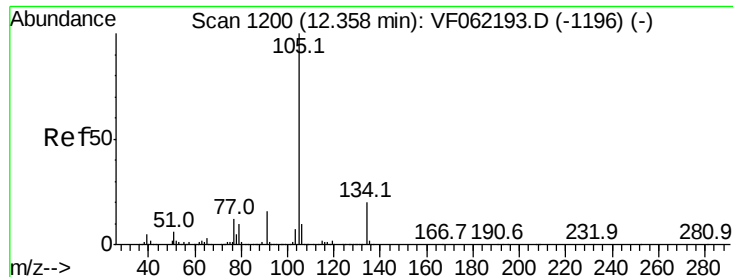
Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion:105	Resp:	625698
Ion Ratio	Lower	Upper
105 100		
120 49.8	24.0	72.0





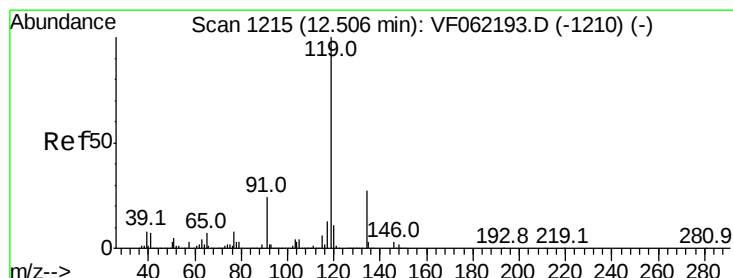
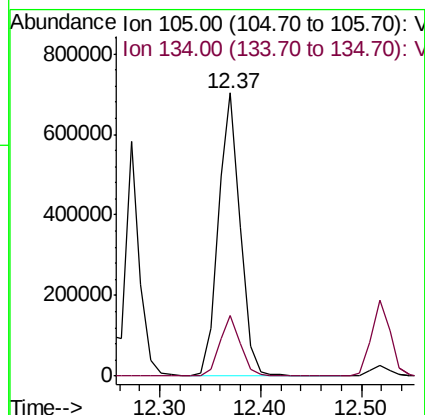
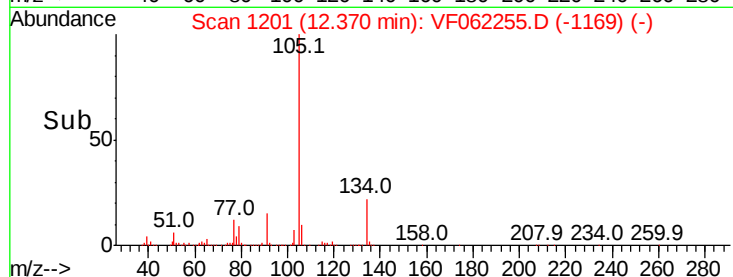
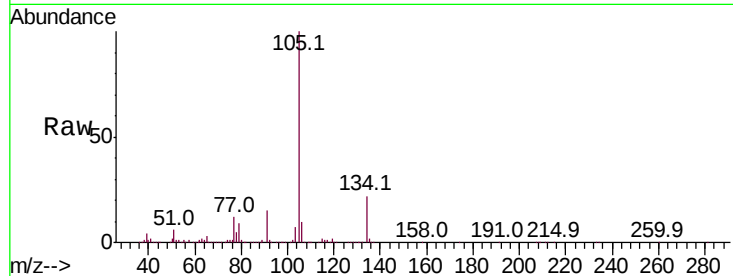
#85
 sec-Butylbenzene
 Concen: 46.620 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1058234
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.7 29.1

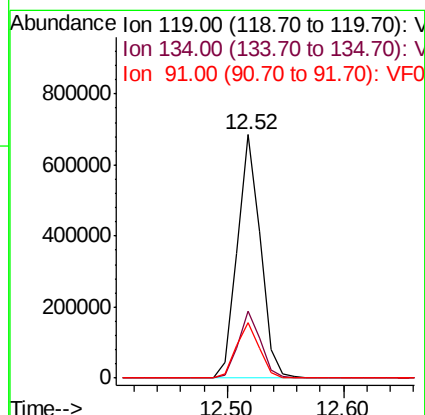
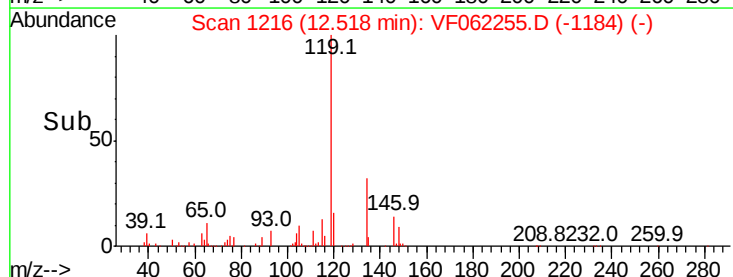
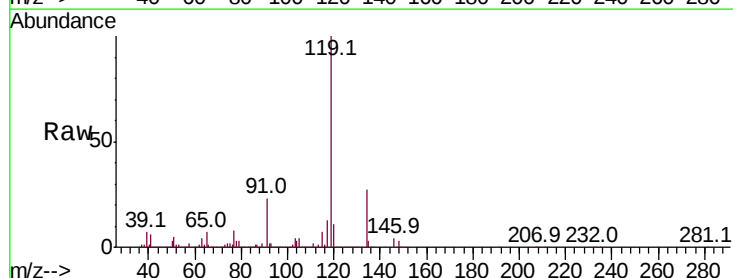
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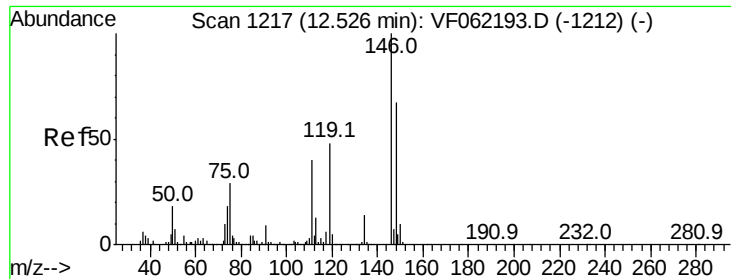
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 4/23/2019 9:22:28 AM



#86
 p-Isopropyltoluene
 Concen: 48.898 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion:119 Resp: 941525
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.5
 91 22.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 48.940 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

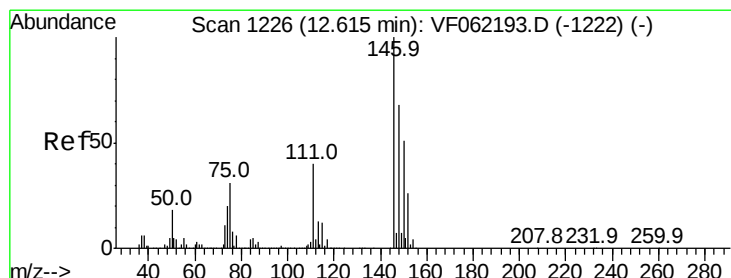
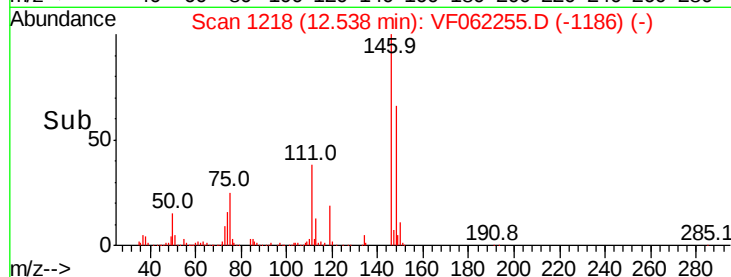
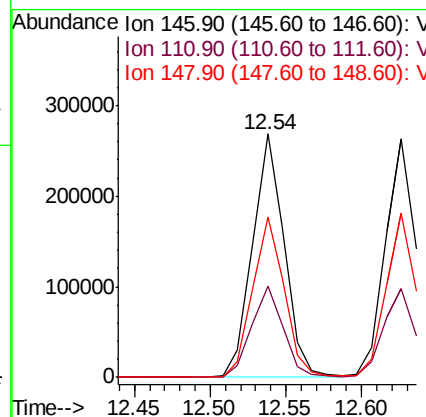
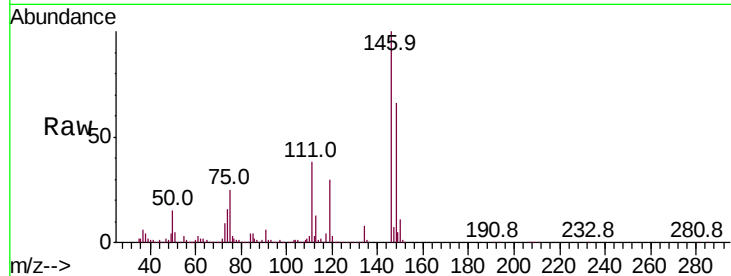
Instrument :
MSVOA_F

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.7	59.0
148	65.8	32.9	98.6

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#88

1,4-Dichlorobenzene

Concen: 49.187 ug/l

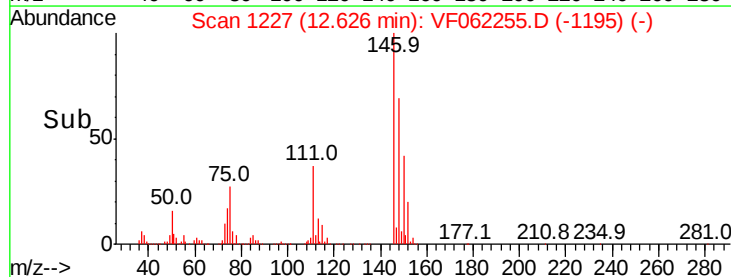
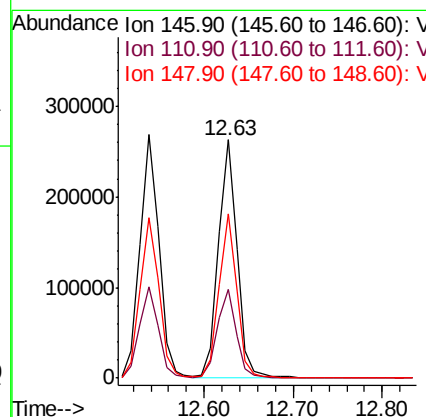
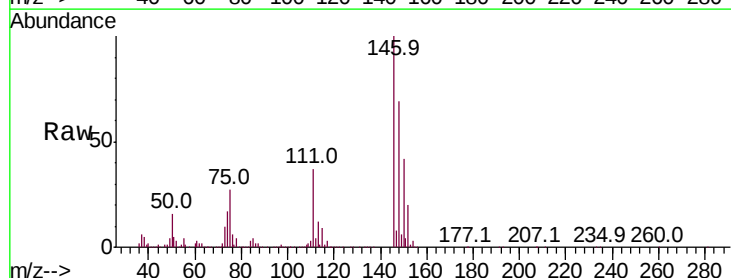
RT: 12.63 min Scan# 1227

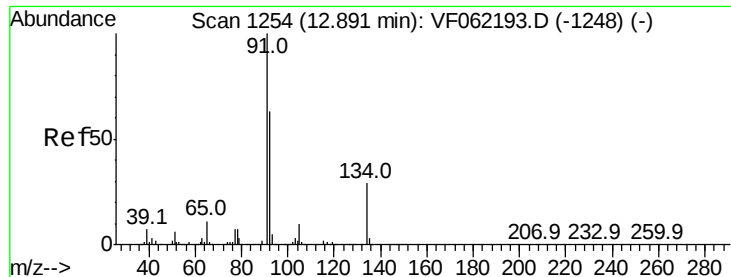
Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.0	60.0
148	67.0	33.6	100.8





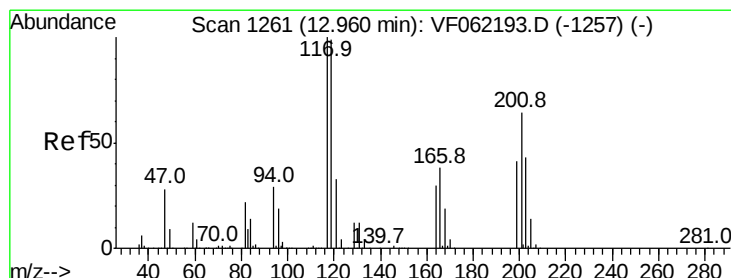
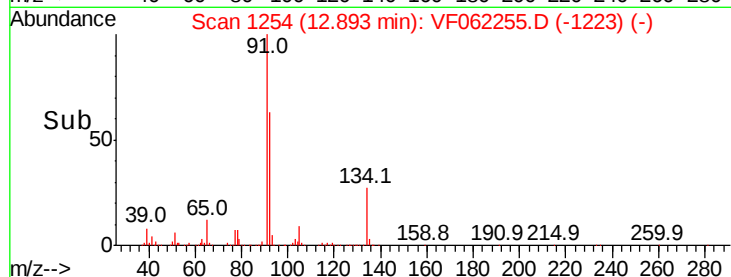
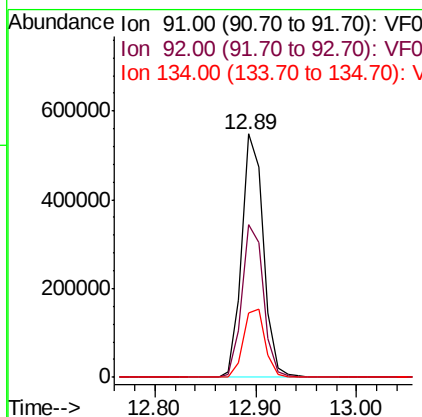
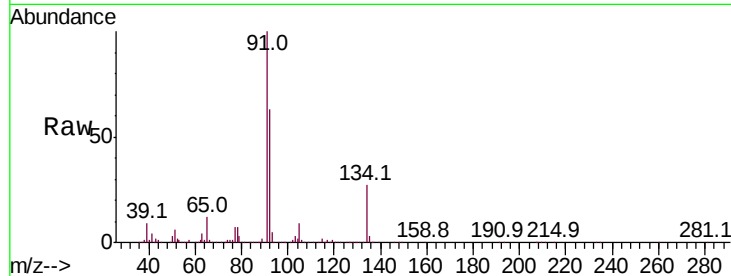
#89
n-Butylbenzene
Concen: 52.057 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	62.3	31.2	93.6	
134	28.4	13.1	39.1	

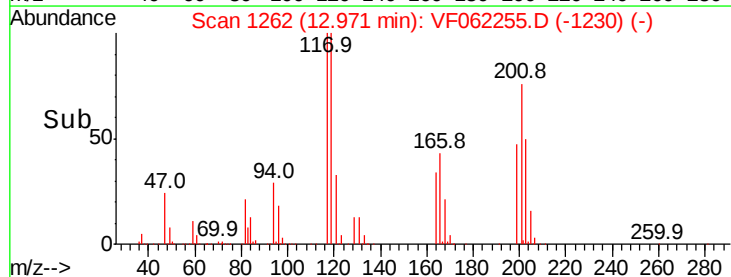
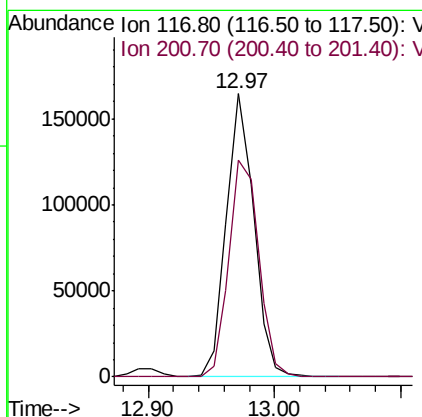
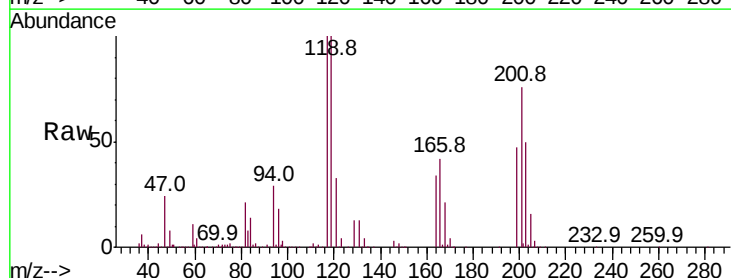
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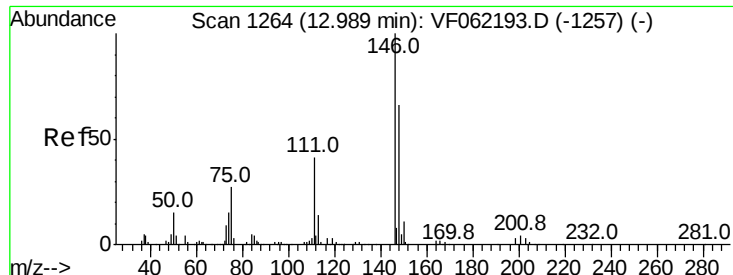
MMDadoda
4/23/2019 9:22:28 AM



#90
Hexachloroethane
Concen: 50.388 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.1	37.7	113.1	





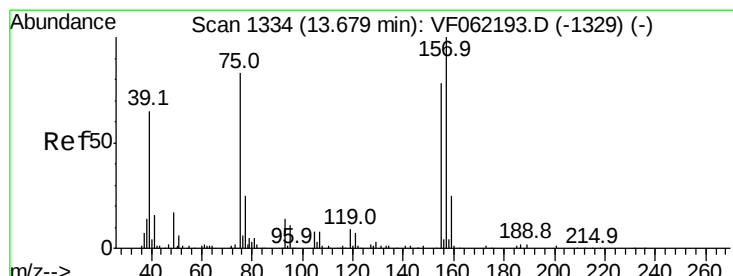
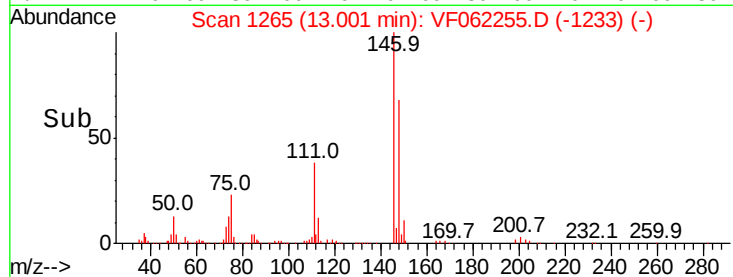
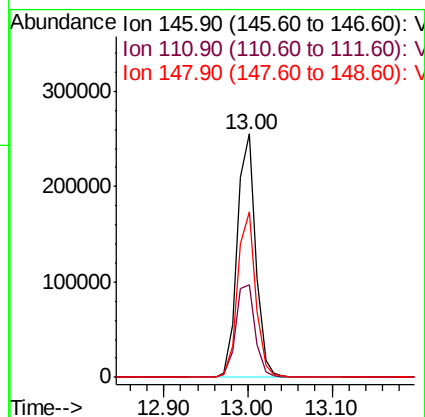
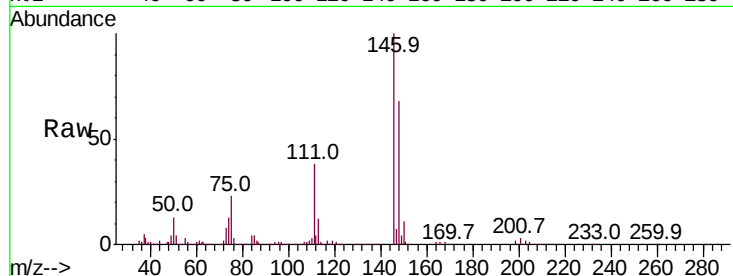
#91
 1,2-Dichlorobenzene
 Concen: 49.755 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	387685
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.8	62.5
148	66.6	33.0	99.0

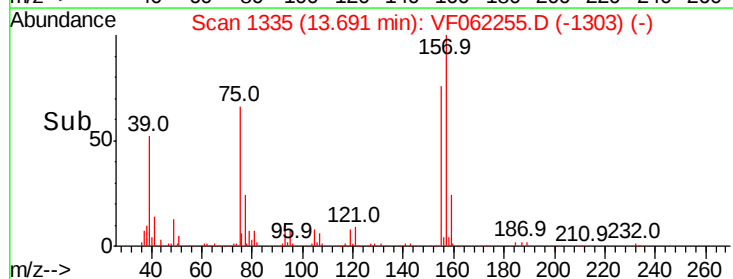
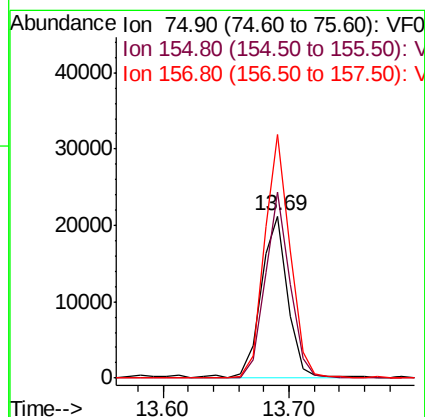
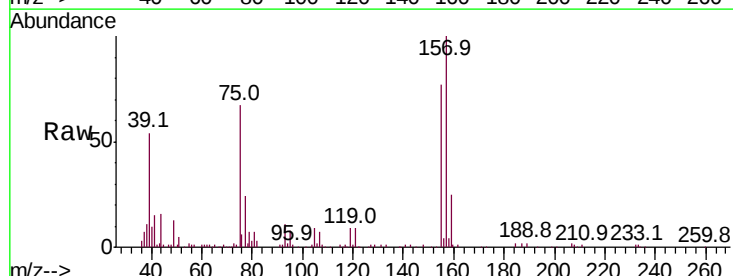
Manual Integrations
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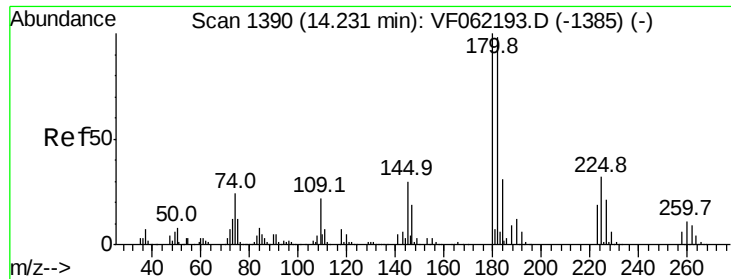
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.828 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion:	75	Resp:	31433
Ion Ratio	Lower	Upper	
75	100		
155	105.7	47.6	142.8
157	143.4	61.3	183.9





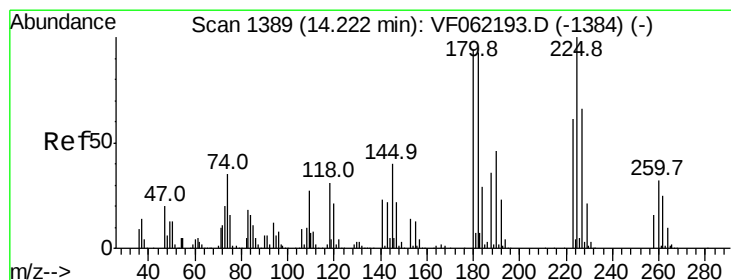
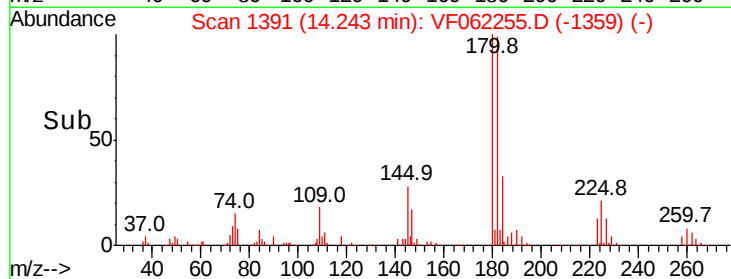
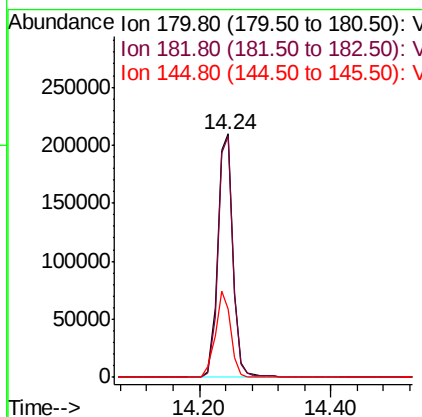
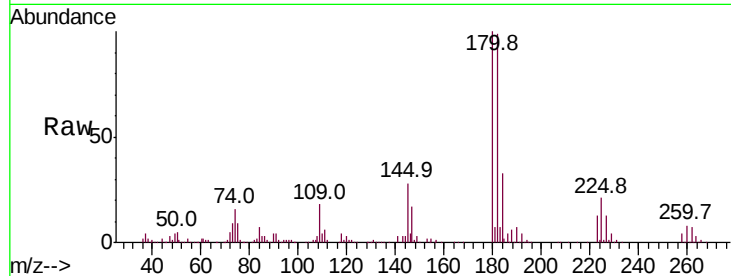
#93
 1,2,4-Trichlorobenzene
 Concen: 51.565 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	336171		
182	97.4	49.3	147.9	
145	35.5	18.1	54.4	

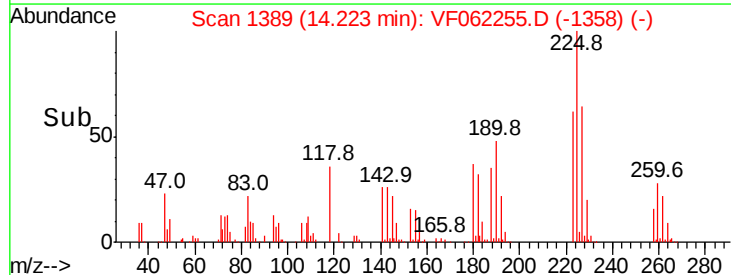
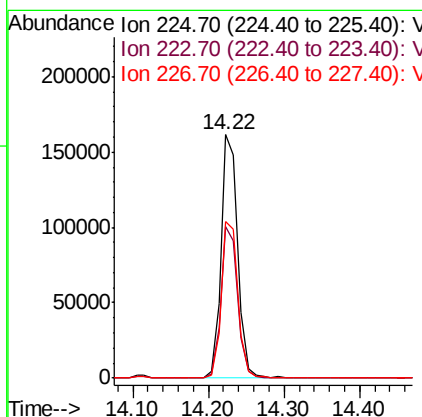
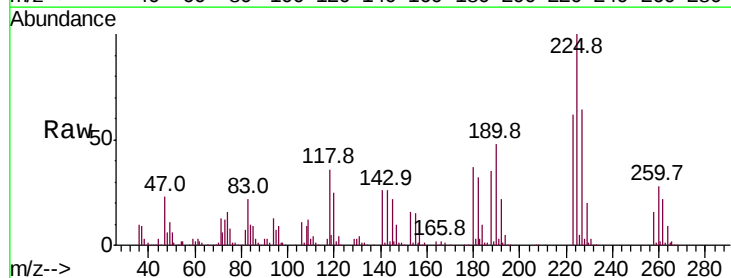
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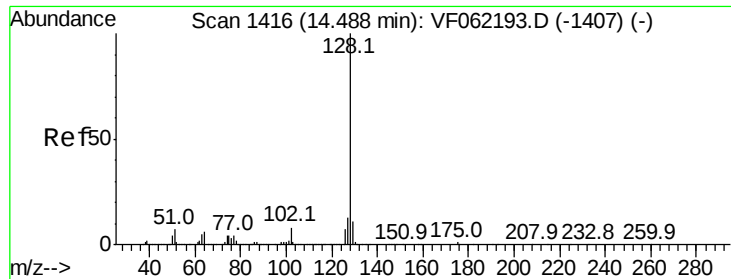
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#94
 Hexachlorobutadiene
 Concen: 55.706 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	249022		
223	62.3	31.0	93.0	
227	64.5	32.4	97.0	





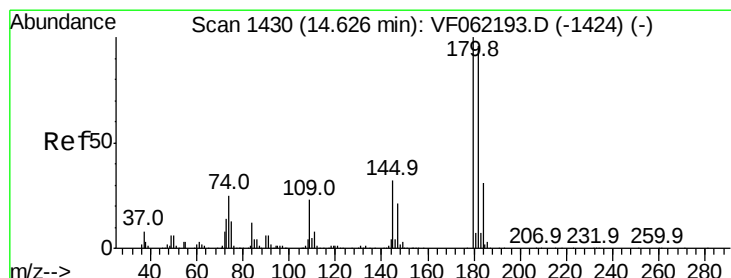
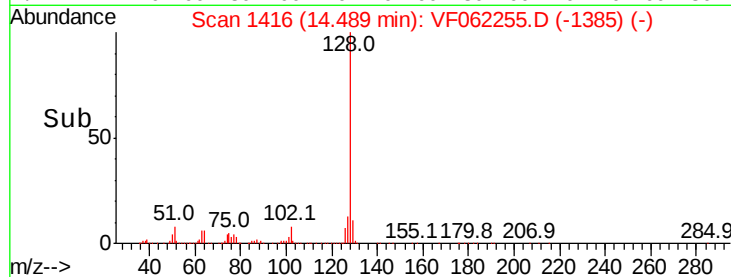
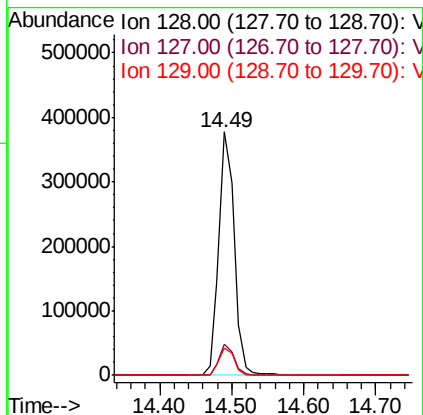
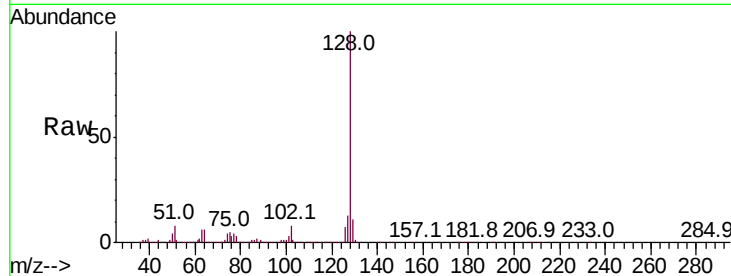
#95
Naphthalene
Concen: 48.983 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	558372		
127	12.6		10.4	15.6
129	11.2		9.2	13.8

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#96
1,2,3-Trichlorobenzene
Concen: 52.831 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	330664		
182	97.8		48.4	145.3
145	31.3		15.6	46.8

