

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060719\
 Data File : VF062903.D
 Acq On : 7 Jun 2019 17:39
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 12:25:48 PM

Quant Time: Jun 08 01:05:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	863711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1379556	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1039532	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	479346	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	303453	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.62%		
35) Dibromofluoromethane	4.32	113	524678	50.33	ug/l	-0.01
Spiked Amount 50.000			Recovery =	100.66%		
50) Toluene-d8	7.72	98	1284792	48.74	ug/l	-0.01
Spiked Amount 50.000			Recovery =	97.48%		
62) 4-Bromofluorobenzene	11.50	95	439218	46.32	ug/l	-0.01
Spiked Amount 50.000			Recovery =	92.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	454837	46.215	ug/l	94
3) Chloromethane	1.15	50	415455	46.488	ug/l	100
4) Vinyl Chloride	1.20	62	420606	47.361	ug/l	96
5) Bromomethane	1.40	94	253856	50.122	ug/l	98
6) Chloroethane	1.45	64	170056	51.215	ug/l	95
7) Trichlorofluoromethane	1.57	101	622357	49.502	ug/l	99
8) Diethyl Ether	1.72	74	132234	53.460	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.91	101	412390	52.173	ug/l	94
10) Methyl Iodide	1.99	142	772078	48.716	ug/l	98
11) Tert butyl alcohol	2.71	59	105286	290.994	ug/l	97
12) 1,1-Dichloroethene	1.88	96	369309	51.454	ug/l	91
13) Acrolein	2.11	56	45415	316.371	ug/l	95
14) Allyl chloride	2.21	41	372573m	66.910	ug/l	
15) Acrylonitrile	3.10	53	279110	205.296	ug/l	97
16) Acetone	2.36	43	369827	270.540	ug/l	96
17) Carbon Disulfide	1.92	76	1038201	49.490	ug/l	99
18) Methyl Acetate	2.48	43	131244	54.941	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	692768	53.275	ug/l	97
20) Methylene Chloride	2.34	84	380423	55.927	ug/l	93
21) trans-1,2-Dichloroethene	2.44	96	381587	53.024	ug/l	97
22) Diisopropyl ether	2.95	45	882182	55.764	ug/l	98
23) Vinyl Acetate	3.35	43	2999601	276.960	ug/l	98
24) 1,1-Dichloroethane	3.03	63	659496	55.834	ug/l	97
25) 2-Butanone	4.54	43	838039	263.250	ug/l	95
26) 2,2-Dichloropropane	3.79	77	374689	55.867	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	605435	50.049	ug/l	95
28) Bromochloromethane	3.92	49	322263	50.157	ug/l	100
29) Tetrahydrofuran	4.28	42	351693	288.848	ug/l	98
30) Chloroform	4.06	83	817838	49.128	ug/l	98
31) Cyclohexane	3.90	56	785742	49.135	ug/l	94
32) 1,1,1-Trichloroethane	4.30	97	541888	55.908	ug/l	94
36) 1,1-Dichloropropene	4.49	75	679540	53.507	ug/l	96
37) Ethyl Acetate	4.32	43	289280	59.587	ug/l	95
38) Carbon Tetrachloride	4.20	117	491198	57.228	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	804440	50.893	ug/l	100
40) Benzene	4.83	78	1946582	52.665	ug/l	100
41) Methacrylonitrile	4.95	41	150863	55.898	ug/l	95
42) 1,2-Dichloroethane	5.14	62	395020	56.192	ug/l	98
43) Isopropyl Acetate	7.13	43	362434	56.514	ug/l	96
44) Trichloroethene	5.70	130	521181	49.962	ug/l	98
45) 1,2-Dichloropropane	6.42	63	513658	55.378	ug/l	100
46) Dibromomethane	6.27	93	292200	53.957	ug/l	92
47) Bromodichloromethane	6.57	83	586810	53.207	ug/l	97
48) Methyl methacrylate	6.89	41	195982	59.296	ug/l	92
49) 1,4-Dioxane	6.88	88	44894	1030.492	ug/l	89
51) 4-Methyl-2-Pentanone	8.41	43	1283657	280.357	ug/l	100
52) Toluene	7.79	92	1005196	50.492	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	490101	53.627	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	682965	51.627	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	314570	52.891	ug/l	98
56) Ethyl methacrylate	8.76	69	343049	53.757	ug/l	97
57) 1,3-Dichloropropane	9.00	76	545264	56.141	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.46	63	714173	320.219	ug/l	98
59) 2-Hexanone	9.63	43	894831	274.192	ug/l	98
60) Dibromochloromethane	8.87	129	412397	56.007	ug/l	97
61) 1,2-Dibromoethane	9.14	107	336011	54.399	ug/l	93
64) Tetrachloroethene	8.31	164	381365	47.741	ug/l	94
65) Chlorobenzene	9.94	112	1024604	51.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	399791	50.005	ug/l	98
67) Ethyl Benzene	10.04	91	1735473	50.377	ug/l	100
68) m/p-Xylenes	10.26	106	1301897	98.759	ug/l	95
69) o-Xylene	10.82	106	680288	50.970	ug/l	99
70) Styrene	10.89	104	1028595	52.286	ug/l	98
71) Bromoform	10.88	173	219773	57.302	ug/l #	98
73) Isopropylbenzene	11.22	105	1682759	50.312	ug/l	97
74) N-amyl acetate	11.46	43	498543	52.886	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	389068	54.471	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	252052	53.237	ug/l	90
77) Bromobenzene	11.58	156	425513	50.633	ug/l	91
78) n-propylbenzene	11.67	91	1994964	49.399	ug/l	96
79) 2-Chlorotoluene	11.80	91	1133532	49.054	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	1358165	49.654	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	122888m	61.307	ug/l	
82) 4-Chlorotoluene	11.98	91	1137081	50.071	ug/l	99
83) tert-Butylbenzene	12.20	119	1433772	52.901	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1348350	51.992	ug/l	100
85) sec-Butylbenzene	12.37	105	1862179	52.143	ug/l	99
86) p-Isopropyltoluene	12.52	119	1579110	53.122	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	753181	50.818	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	720422	52.085	ug/l	98
89) n-Butylbenzene	12.90	91	1558935	52.134	ug/l	93
90) Hexachloroethane	12.97	117	405450	55.923	ug/l	87
91) 1,2-Dichlorobenzene	13.00	146	690429	53.000	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	44970	57.790	ug/l	97

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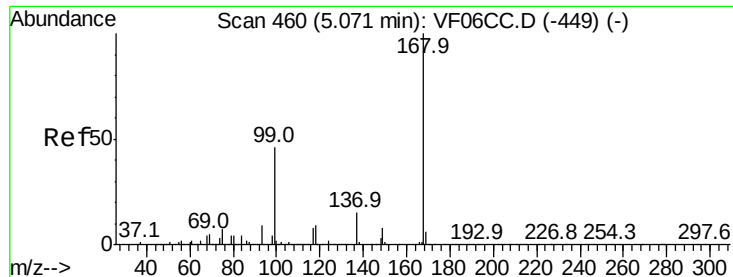
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	468743	52.406	ug/l	96
94) Hexachlorobutadiene	14.23	225	324586	52.456	ug/l	100
95) Naphthalene	14.49	128	807116	55.080	ug/l	97
96) 1,2,3-Trichlorobenzene	14.64	180	430126	52.681	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 863711

Ion Ratio Lower Upper

168 100

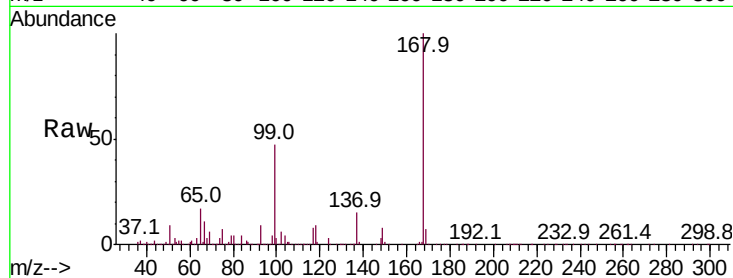
99 46.7 39.1 58.7

Manual Integrations

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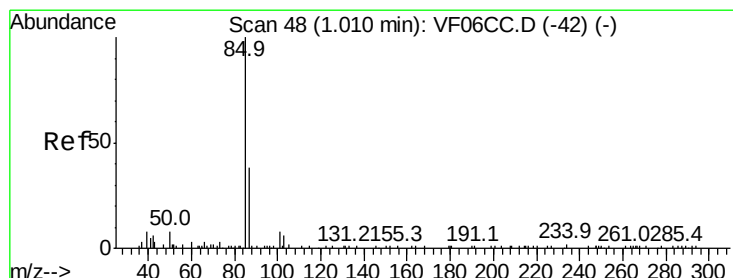
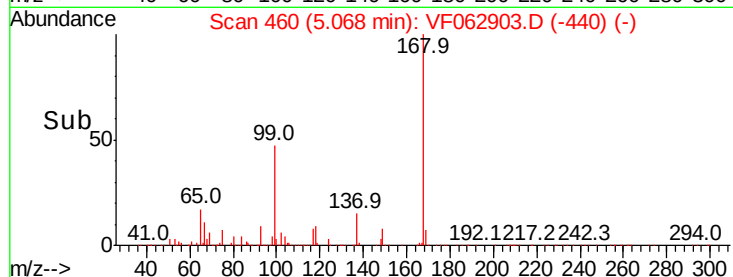
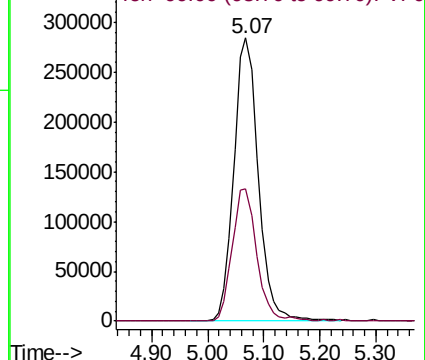
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 46.215 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062903.D

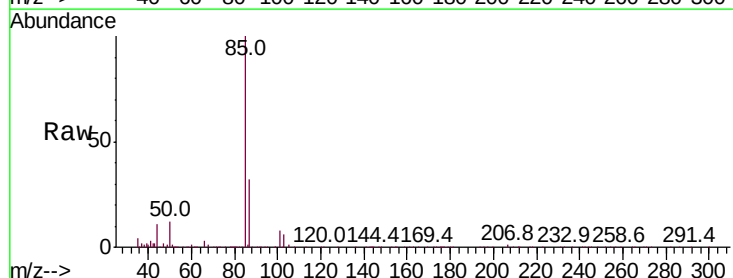
Acq: 7 Jun 2019 17:39

Tgt Ion: 85 Resp: 454837

Ion Ratio Lower Upper

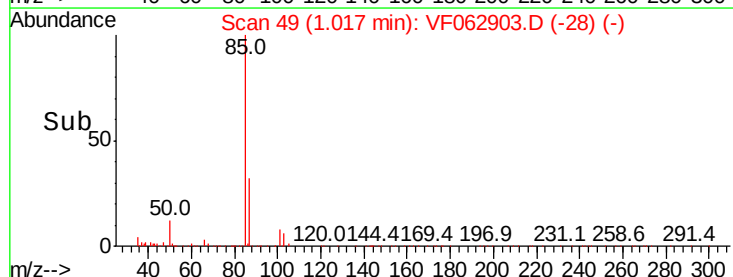
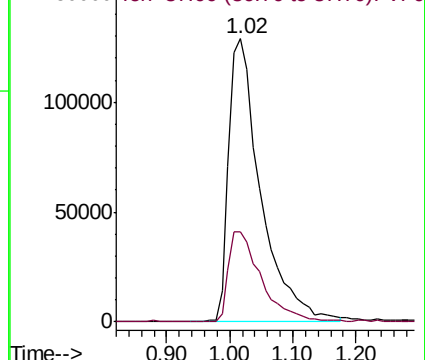
85 100

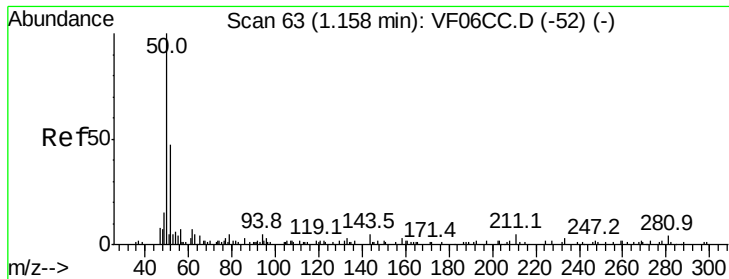
87 31.8 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 46.488 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 415455

Ion Ratio Lower Upper

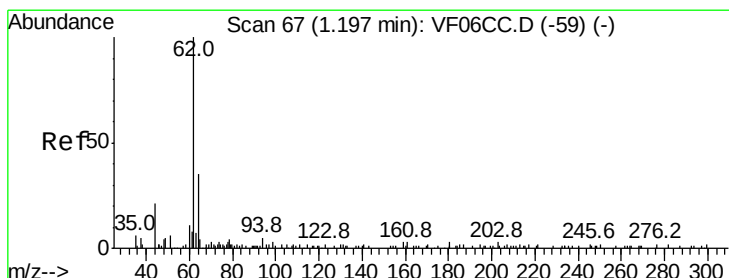
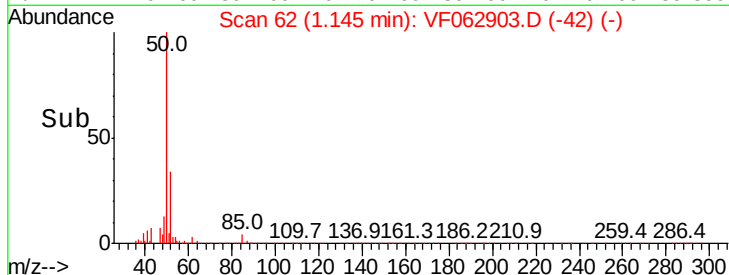
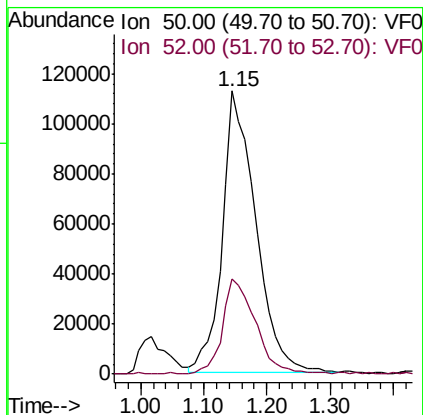
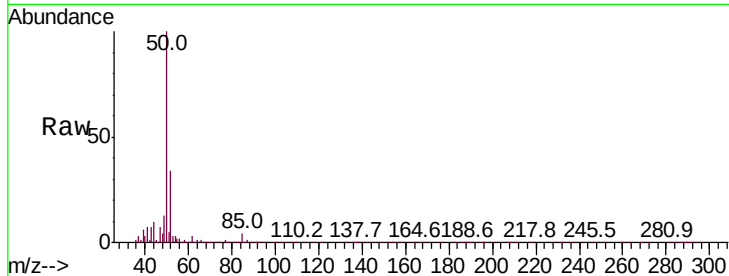
50 100

52 33.5 27.0 40.4

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#4

Vinyl Chloride

Concen: 47.361 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062903.D

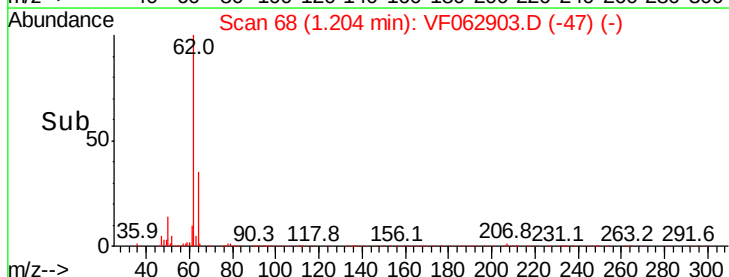
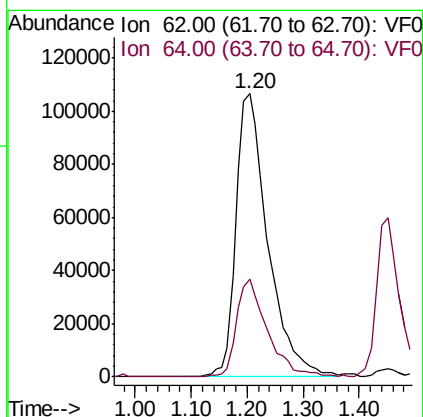
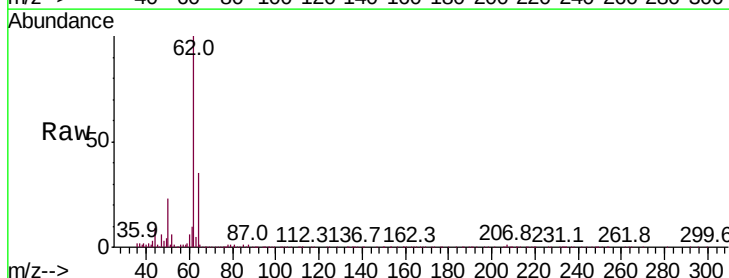
Acq: 7 Jun 2019 17:39

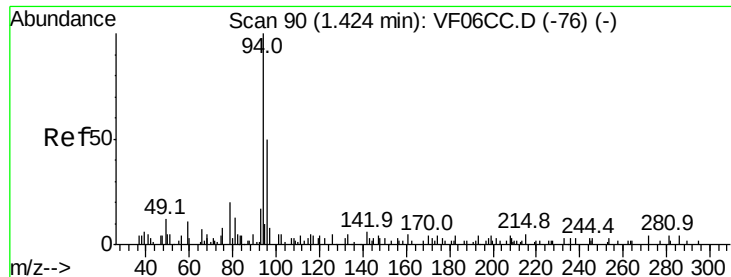
Tgt Ion: 62 Resp: 420606

Ion Ratio Lower Upper

62 100

64 34.7 26.2 39.2





#5

Bromomethane

Concen: 50.122 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 253856

Ion Ratio Lower Upper

94 100

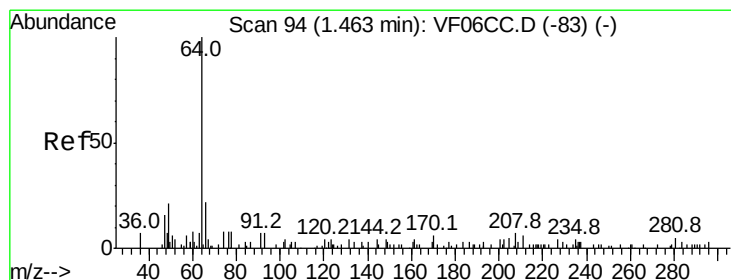
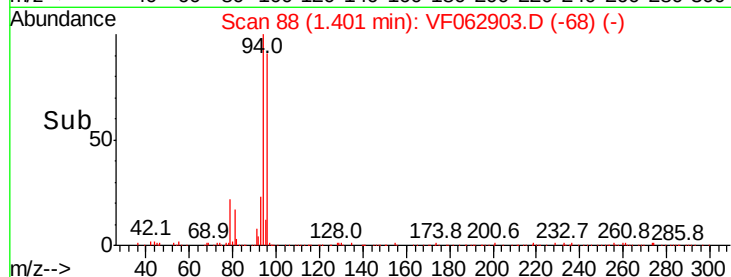
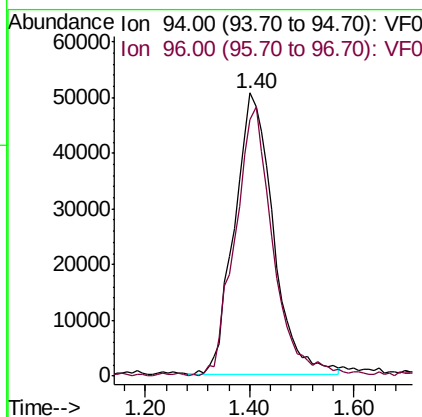
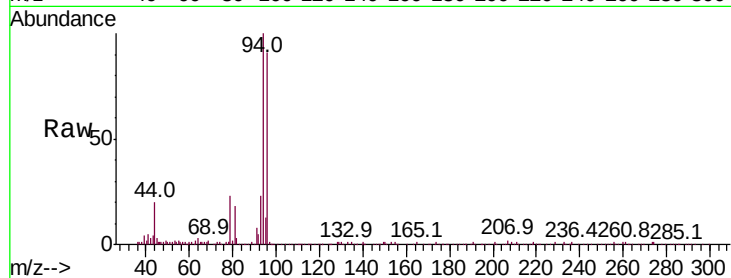
96 90.7 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 51.215 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062903.D

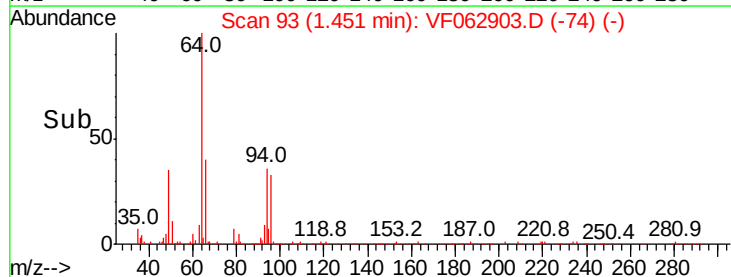
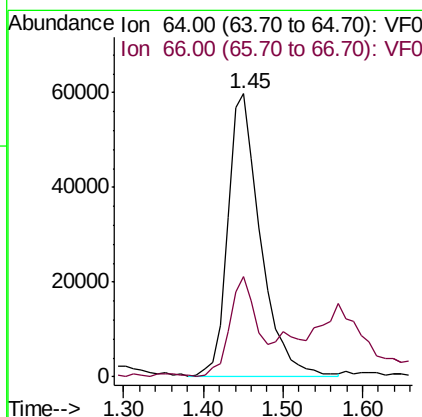
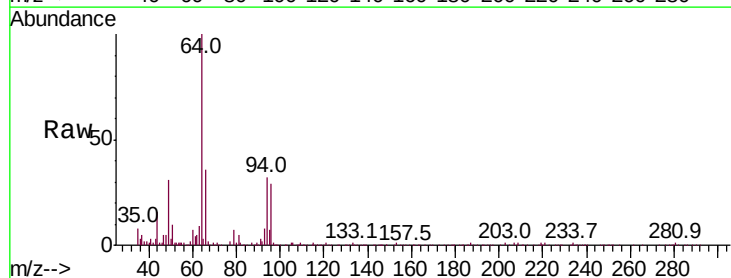
Acq: 7 Jun 2019 17:39

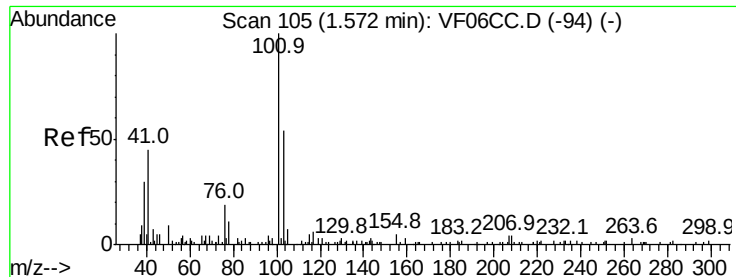
Tgt Ion: 64 Resp: 170056

Ion Ratio Lower Upper

64 100

66 35.7 31.0 46.4





#7

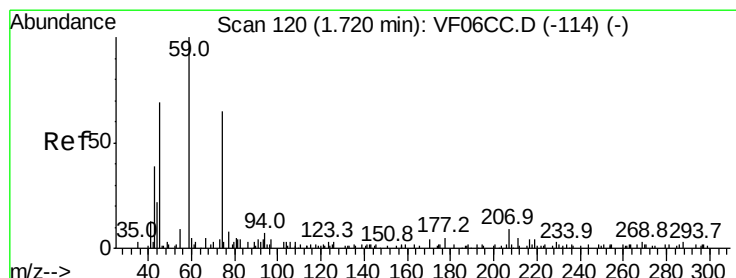
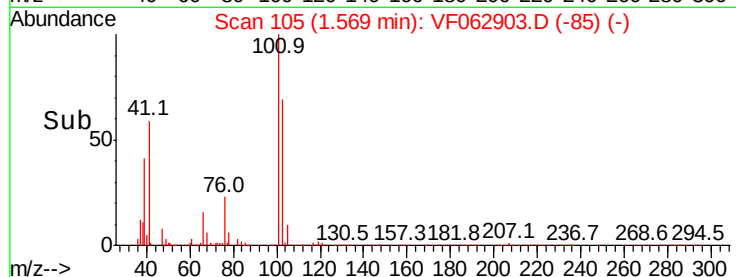
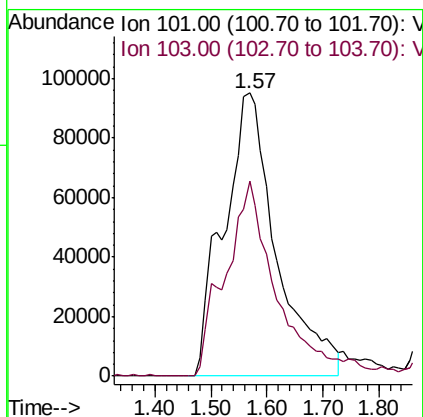
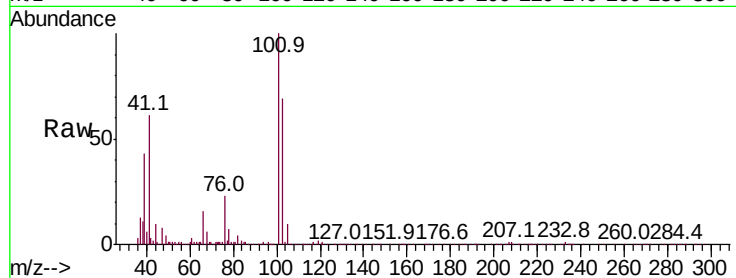
Trichlorofluoromethane
Concen: 49.502 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.8	54.6	82.0

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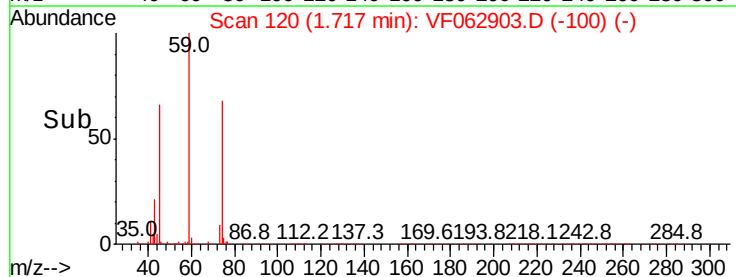
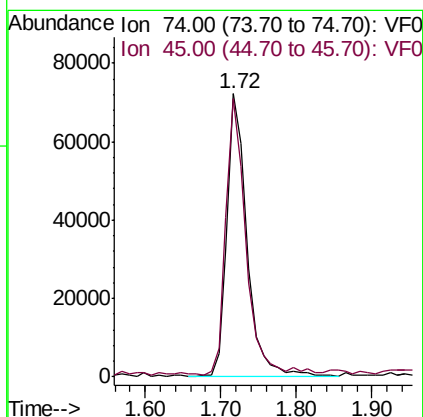
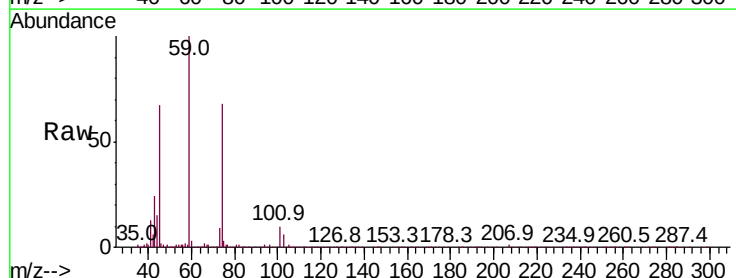
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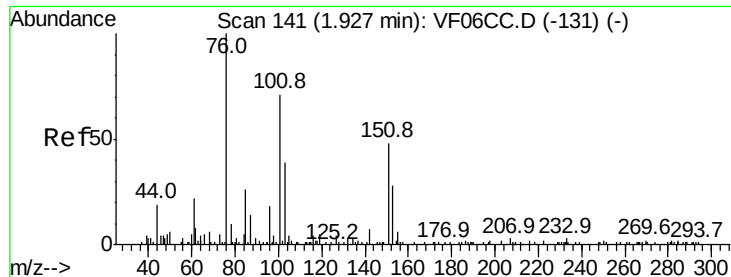


#8

Diethyl Ether
Concen: 53.460 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.173 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

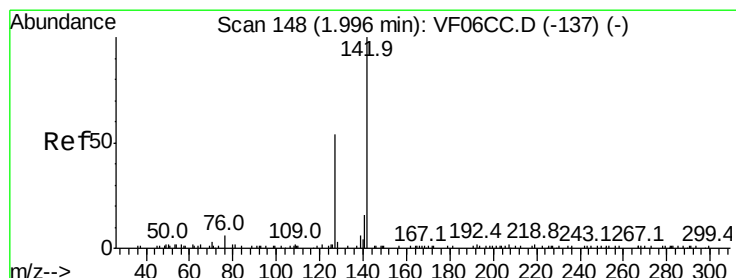
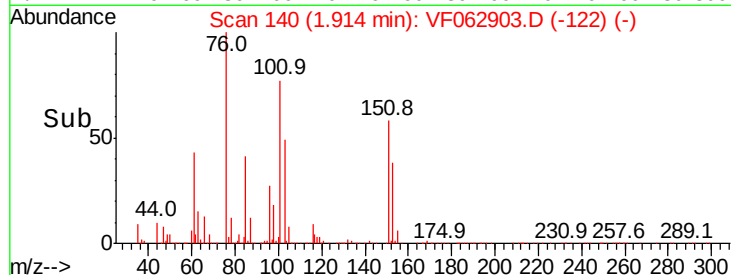
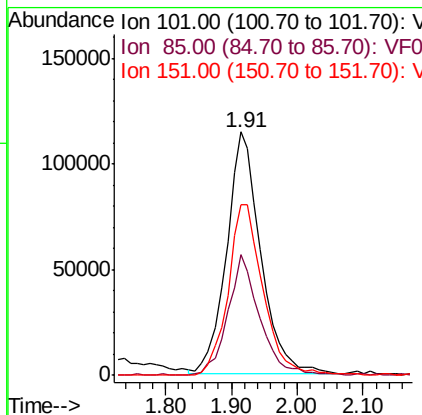
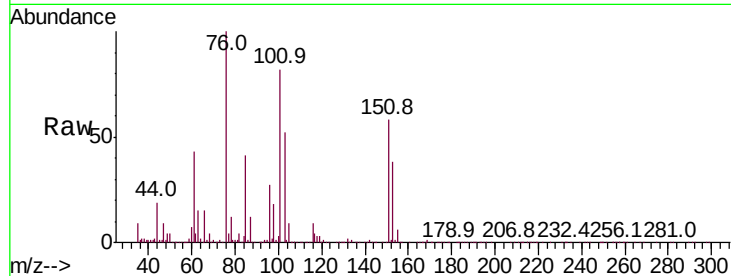
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	412390
Ion Ratio	Lower	Upper	
101	100		
85	49.6	37.1	55.7
151	70.0	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 48.716 ug/l

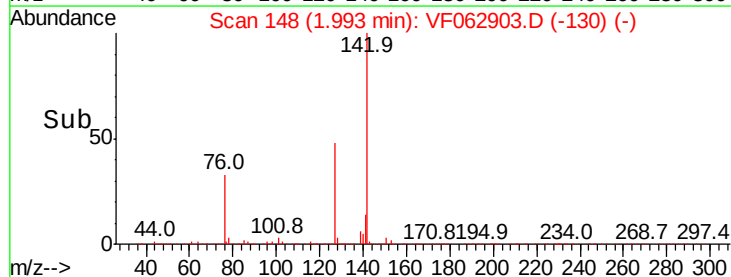
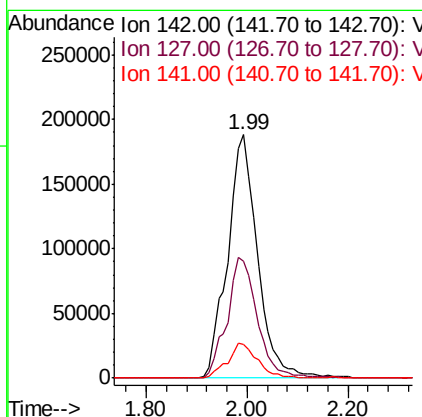
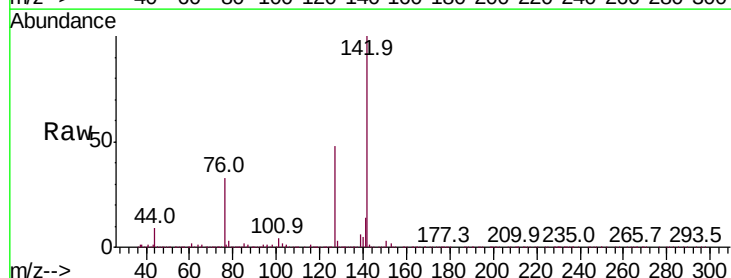
RT: 1.99 min Scan# 148

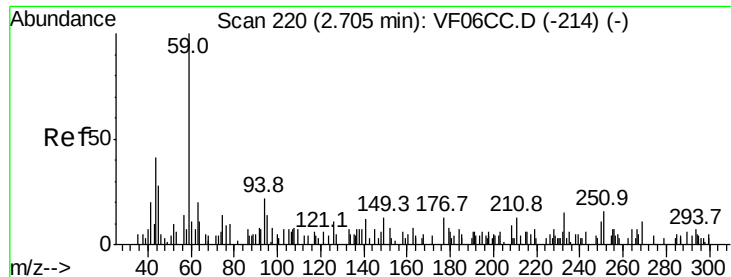
Delta R.T. -0.02 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion:	142	Resp:	772078
Ion Ratio	Lower	Upper	
142	100		
127	48.2	39.4	59.2
141	14.0	10.6	15.8





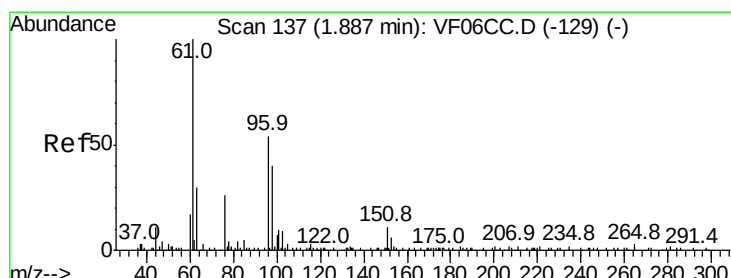
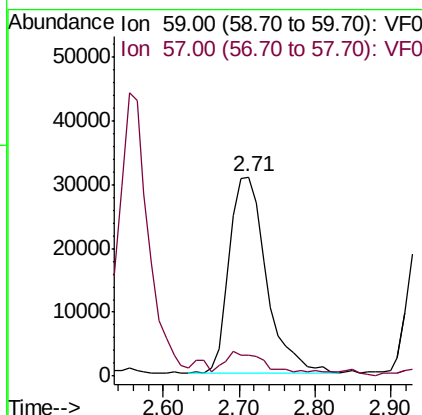
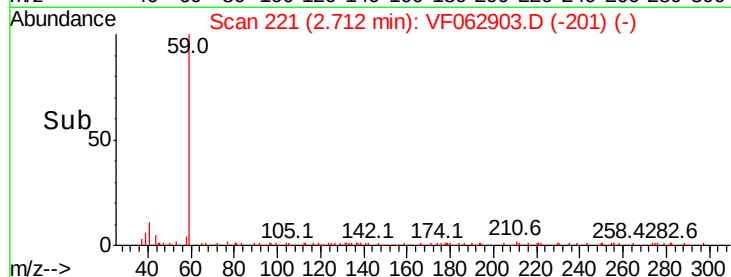
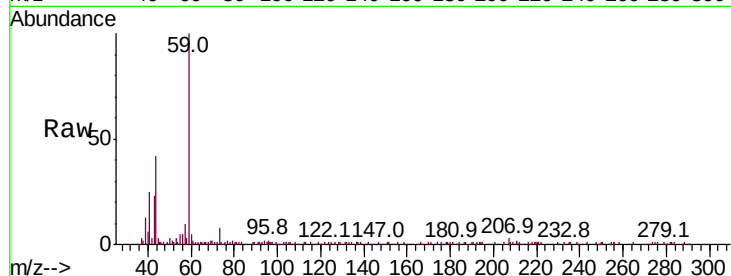
#11
Tert butyl alcohol
Concen: 290.994 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.5	Resp	Lower	Upper
59	100					105286		
57		10.5				9.2	13.8	

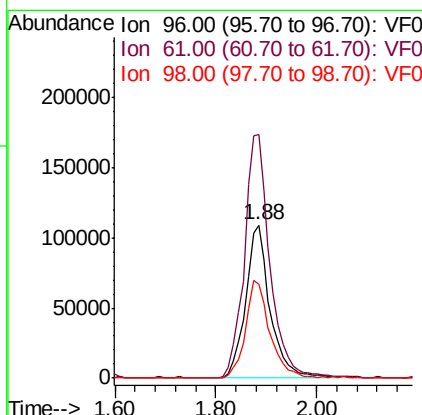
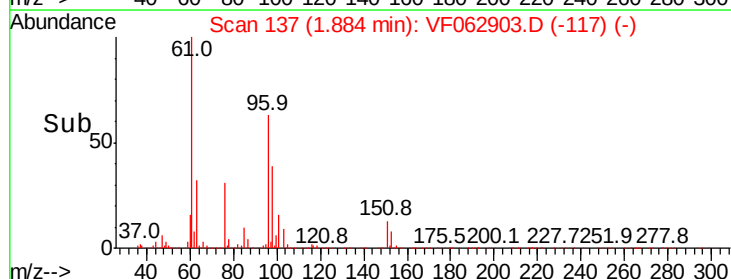
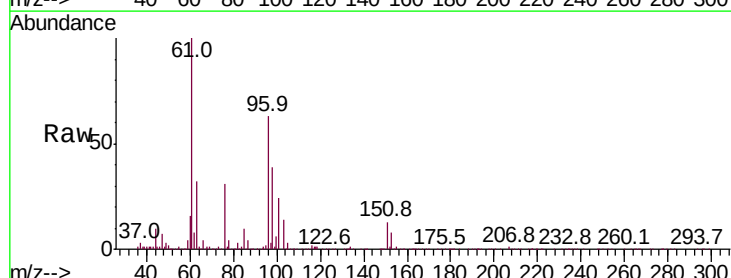
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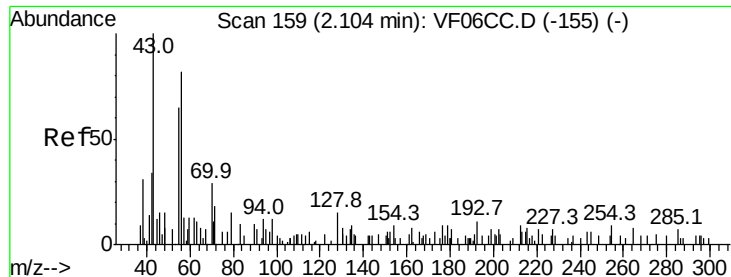
MMDadoda
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#12
1,1-Dichloroethene
Concen: 51.454 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	96	61	98	Ratio	100	159.0	61.5	Resp	Lower	Upper
96	100							369309		
61		159.0				139.4		209.2		
98			61.5			50.3		75.5		





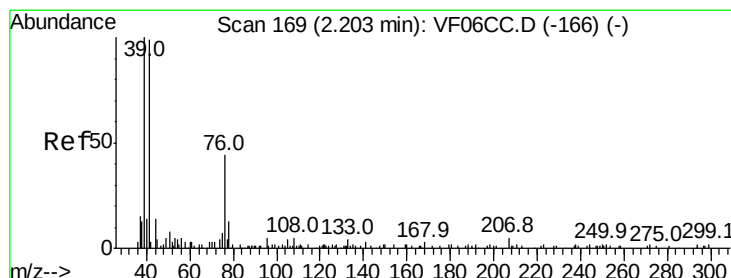
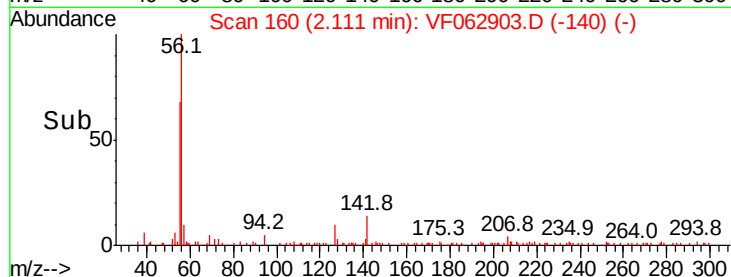
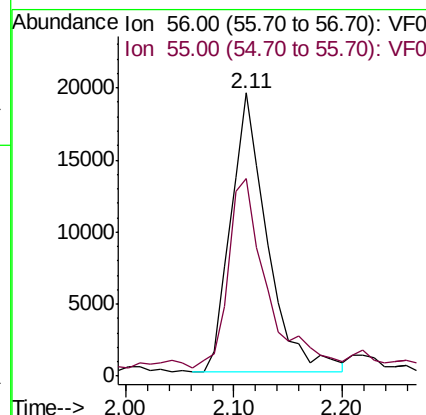
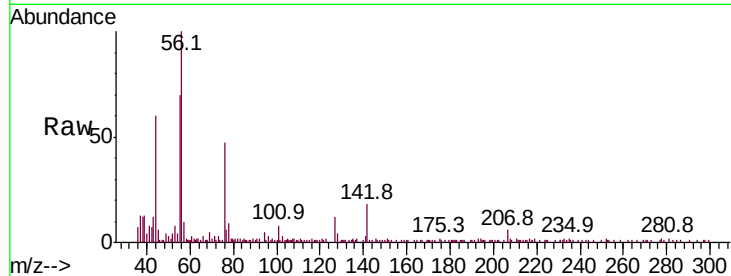
#13
Acrolein
Concen: 316.371 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	45415
Ion Ratio	100	Lower	Upper
56	100		
55	69.7	52.9	79.3

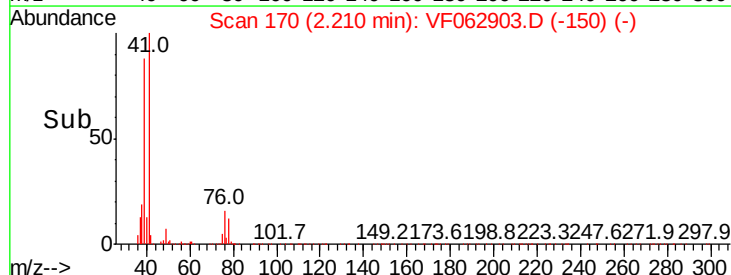
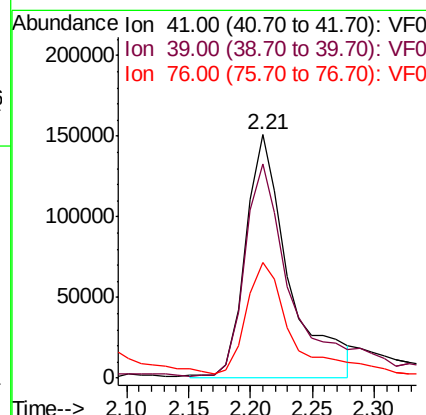
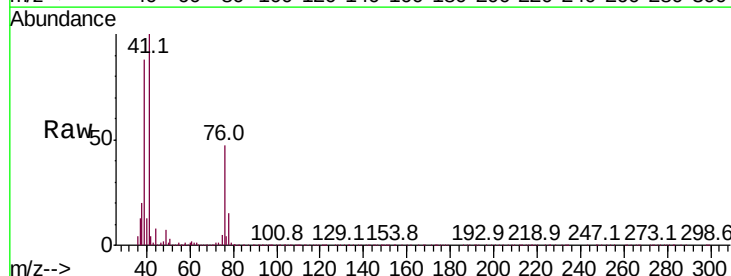
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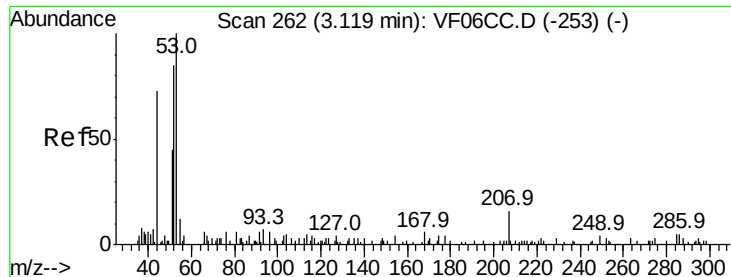
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#14
Allyl chloride
Concen: 66.910 ug/l m
RT: 2.21 min Scan# 170
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	41	Resp	372573
Ion Ratio	100	Lower	Upper
41	100		
39	88.0	71.9	107.9
76	47.2	39.6	59.4





#15

Acrylonitrile

Concen: 205.296 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

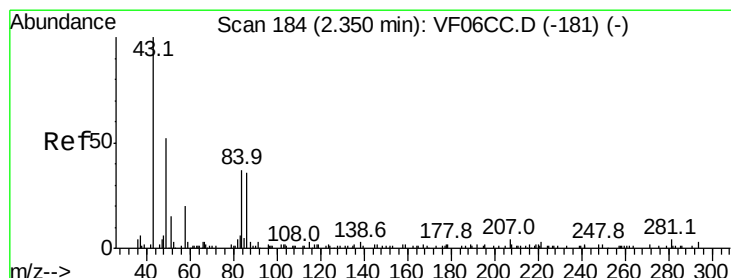
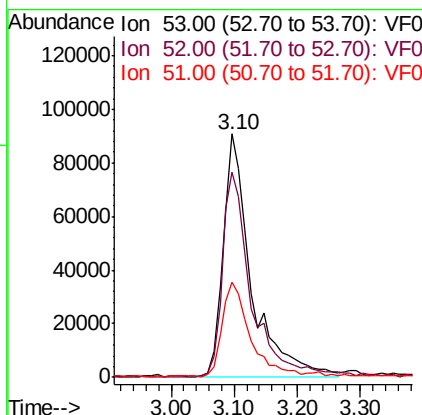
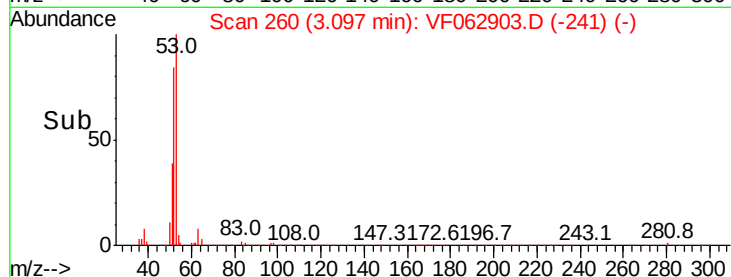
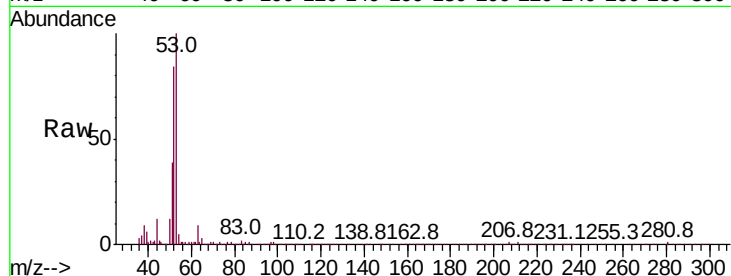
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	279110
Ion	Ratio	Lower	Upper
53	100		
52	84.2	68.1	102.1
51	38.9	27.7	41.5

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#16

Acetone

Concen: 270.540 ug/l

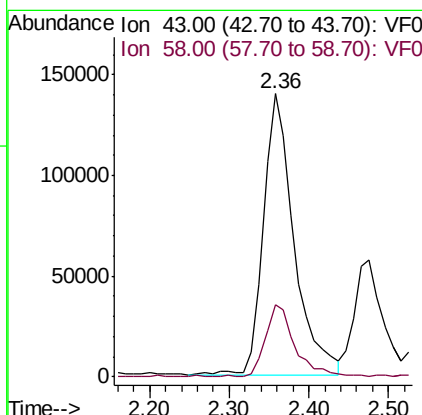
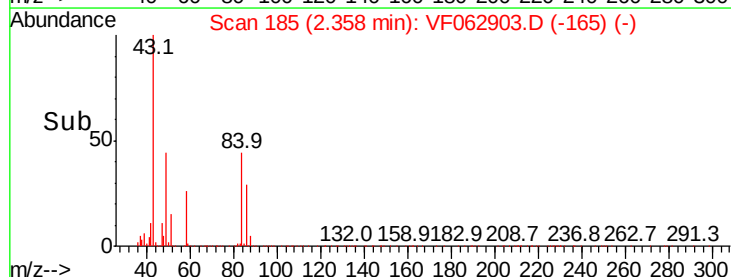
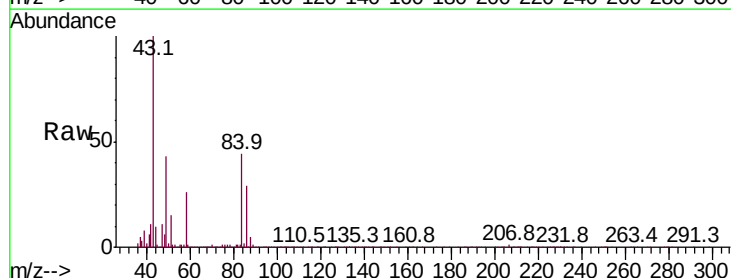
RT: 2.36 min Scan# 185

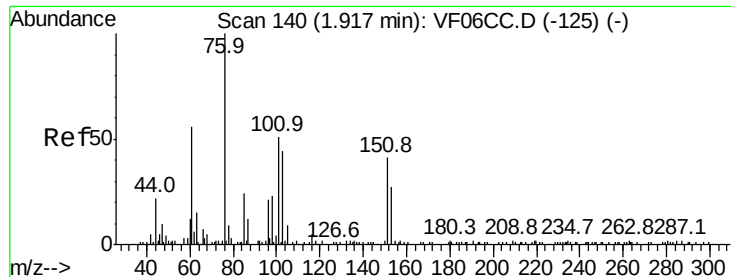
Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion:	43	Resp:	369827
Ion	Ratio	Lower	Upper
43	100		
58	25.5	19.0	28.4





#17

Carbon Disulfide

Concen: 49.490 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1038201

Ion Ratio Lower Upper

76 100

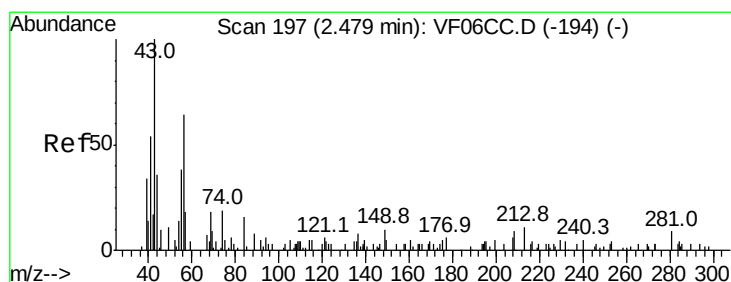
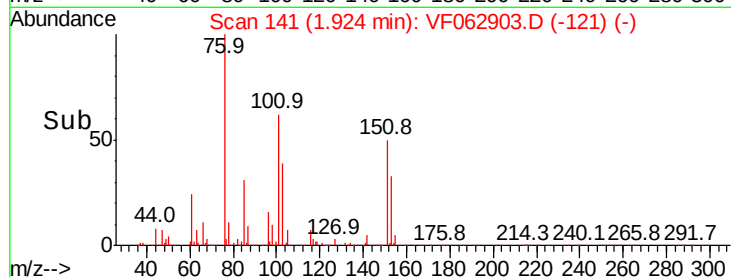
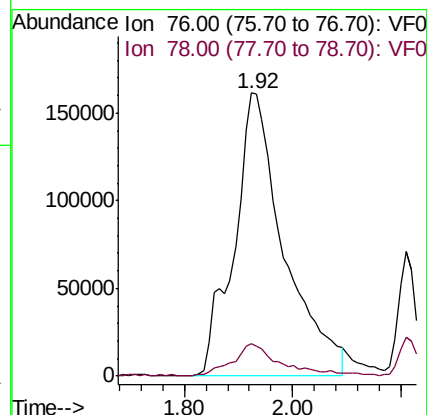
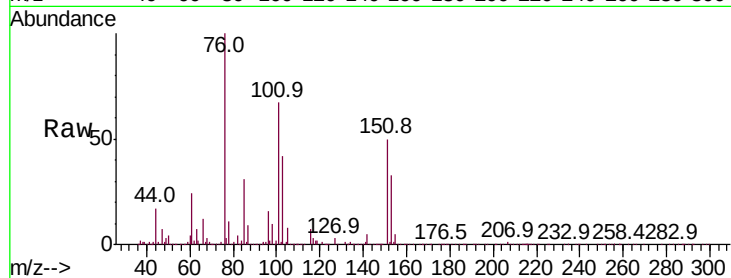
78 11.5 9.4 14.2

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#18

Methyl Acetate

Concen: 54.941 ug/l

RT: 2.48 min Scan# 197

Delta R.T. -0.00 min

Lab File: VF062903.D

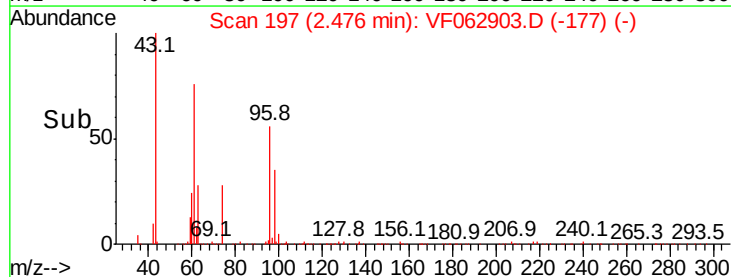
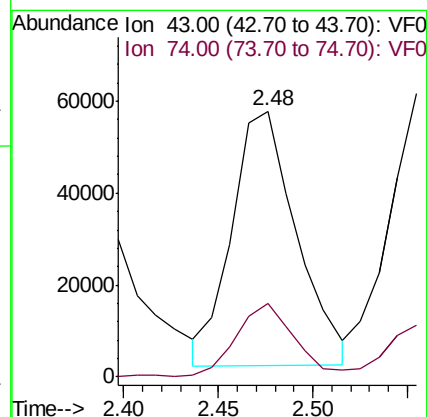
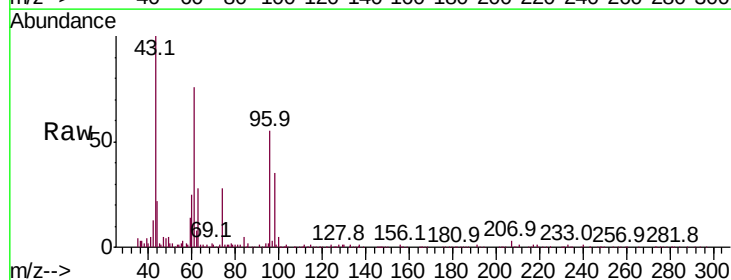
Acq: 7 Jun 2019 17:39

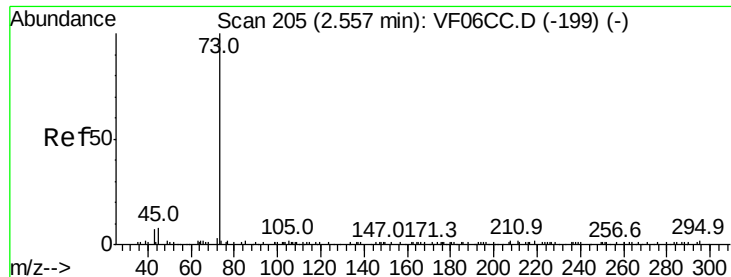
Tgt Ion: 43 Resp: 131244

Ion Ratio Lower Upper

43 100

74 27.7 22.1 33.1





#19

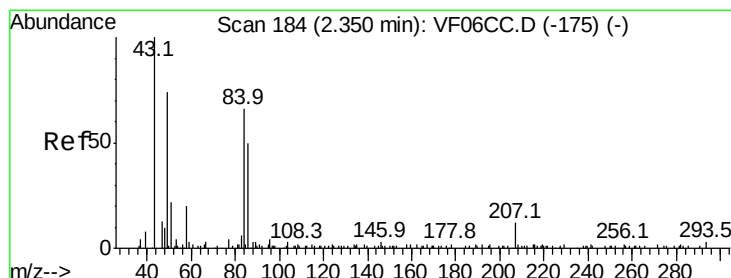
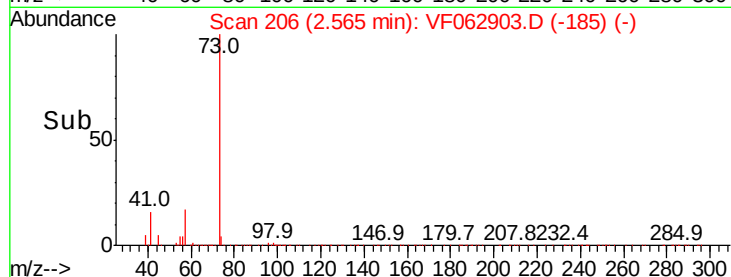
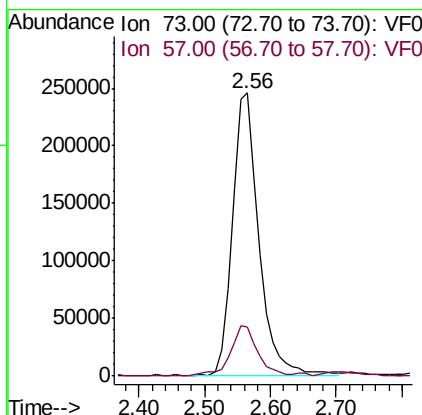
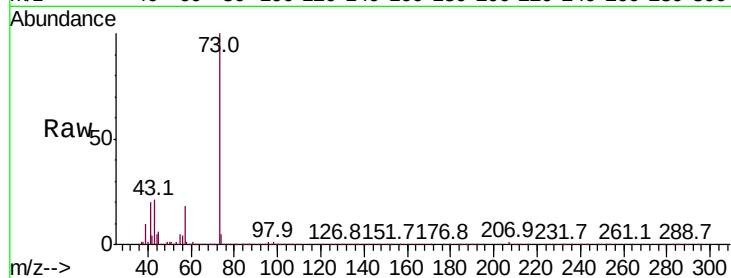
Methyl tert-butyl Ether
 Concen: 53.275 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.5	15.1	22.7

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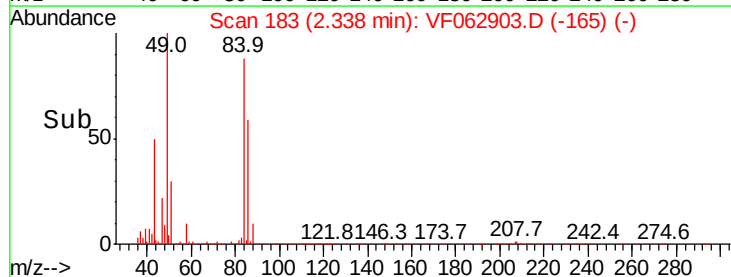
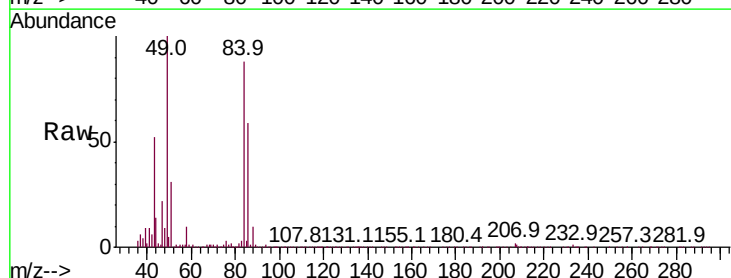
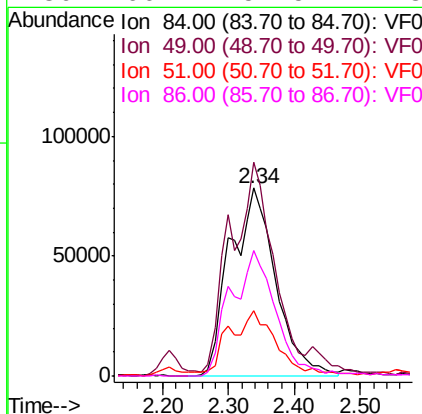
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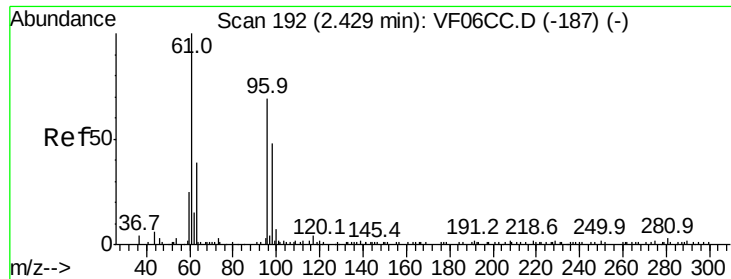


#20

Methylene Chloride
 Concen: 55.927 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.8	82.6	123.8
51	34.9	25.0	37.4
86	66.7	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 53.024 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

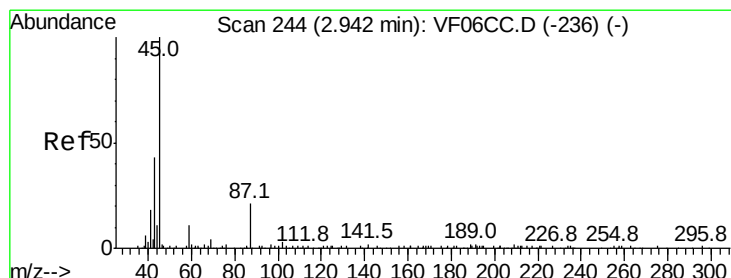
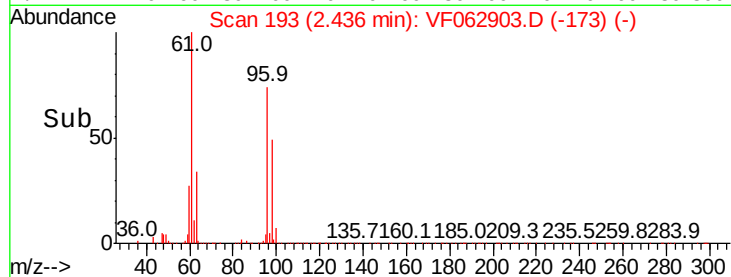
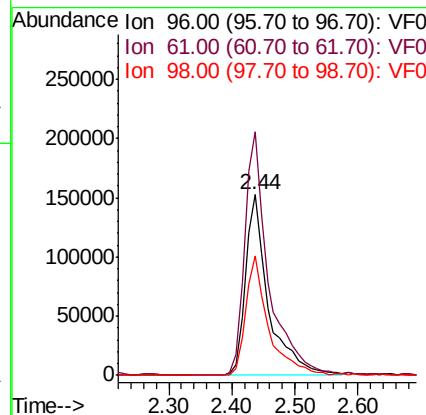
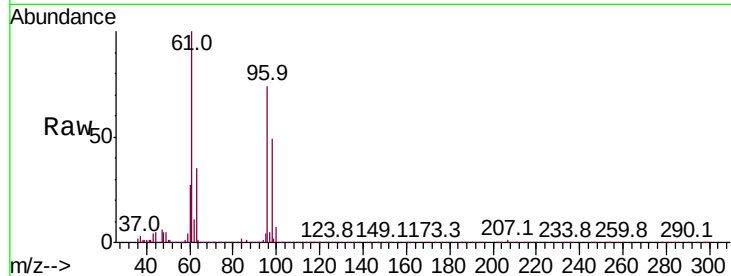
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	381587
Ion	Ratio	Lower	Upper
96	100		
61	134.6	105.0	157.6
98	66.2	51.1	76.7

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#22

Diisopropyl ether

Concen: 55.764 ug/l

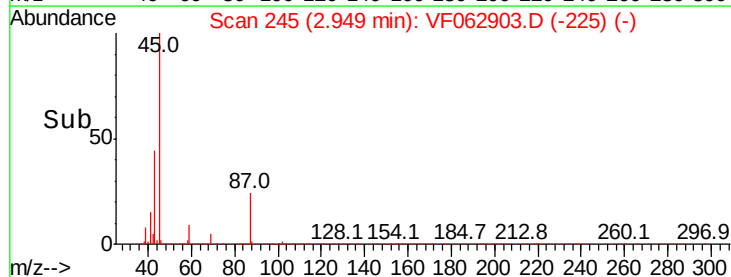
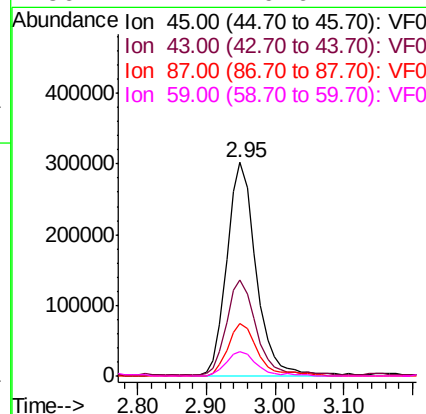
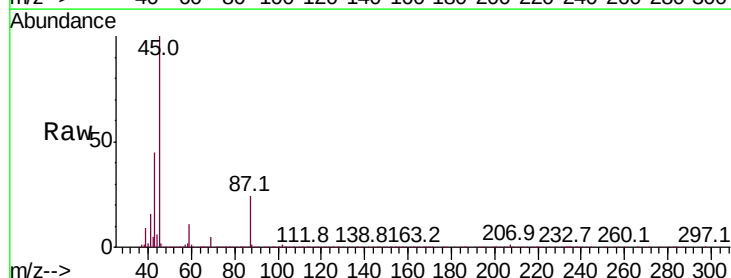
RT: 2.95 min Scan# 245

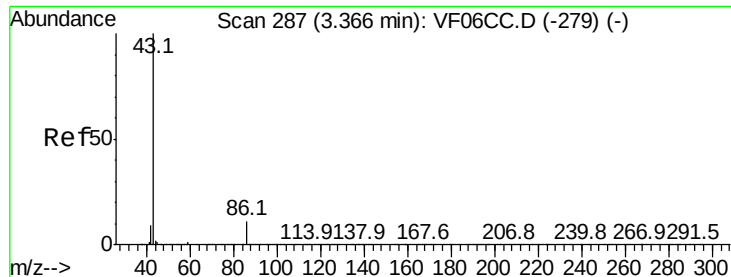
Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion:	45	Resp:	882182
Ion	Ratio	Lower	Upper
45	100		
43	44.9	34.3	51.5
87	24.4	19.0	28.4
59	11.2	9.6	14.4





#23

Vinyl Acetate

Concen: 276.960 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2999601

Ion Ratio Lower Upper

43 100

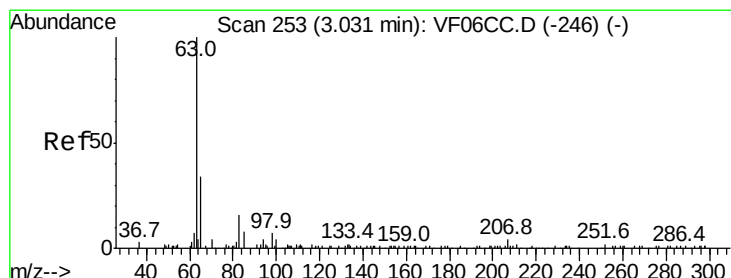
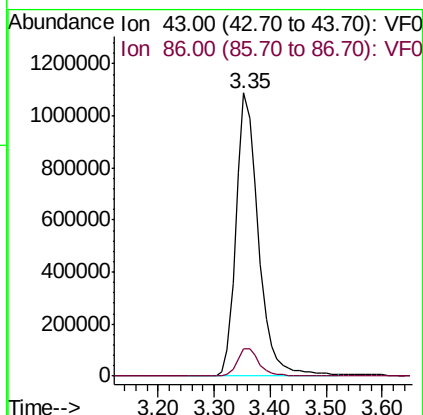
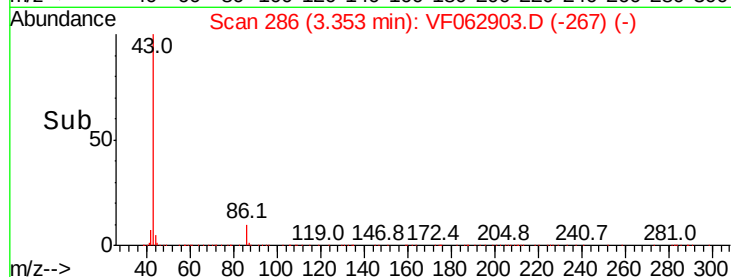
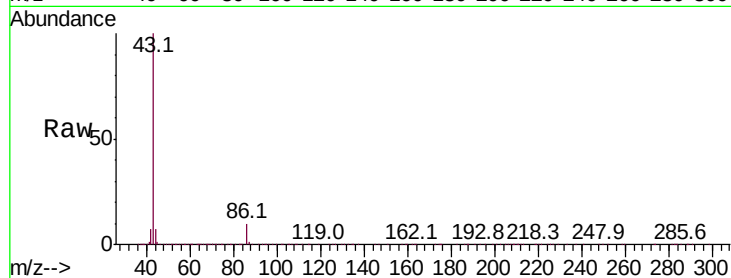
86 9.5 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 55.834 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

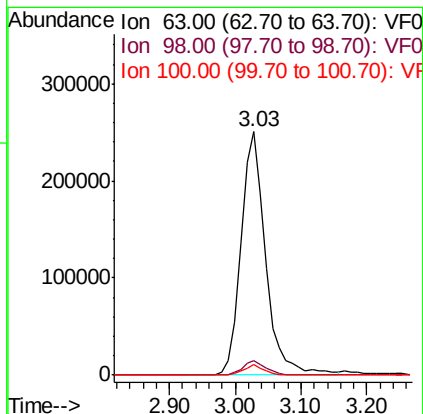
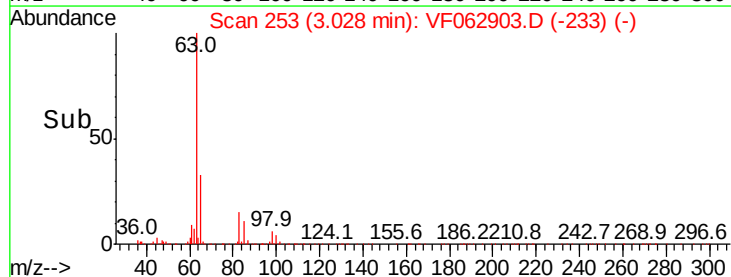
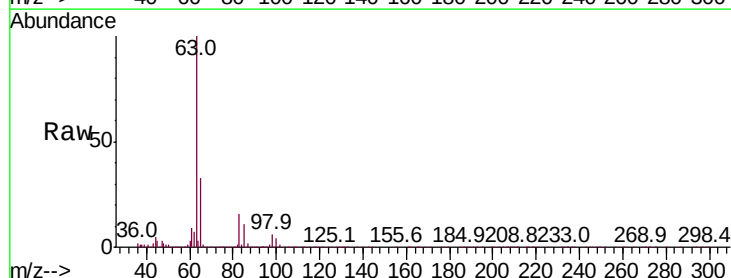
Tgt Ion: 63 Resp: 659496

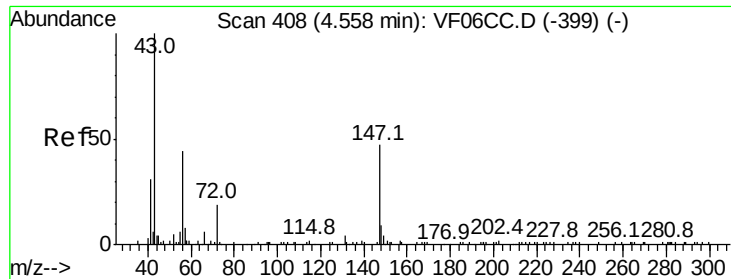
Ion Ratio Lower Upper

63 100

98 5.9 2.4 7.1

100 4.1 1.5 4.5





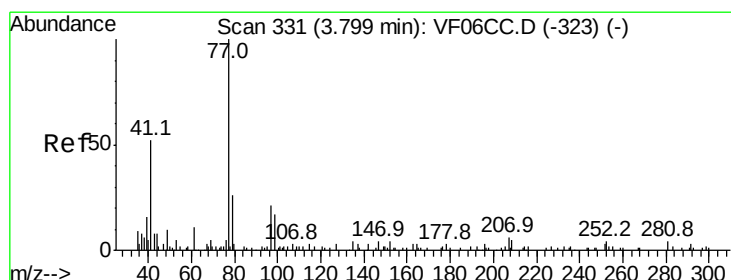
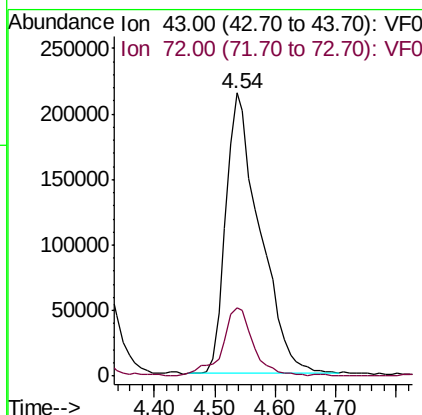
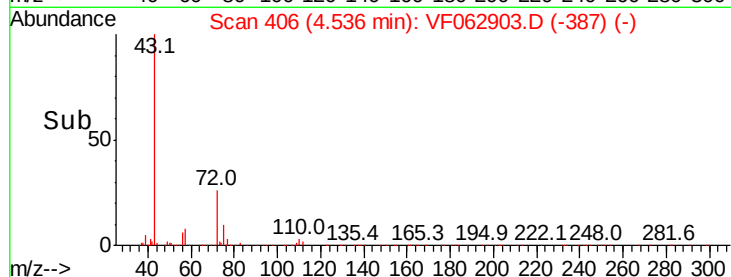
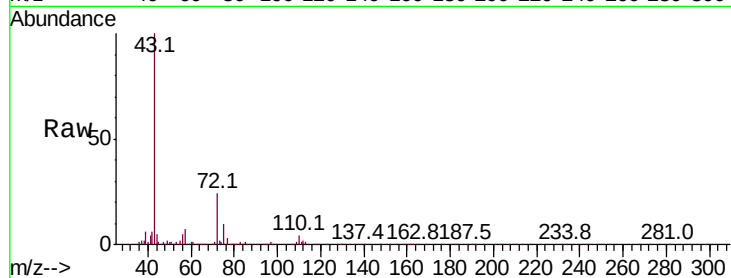
#25
2-Butanone
Concen: 263.250 ug/l
RT: 4.54 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.1	21.4	32.0

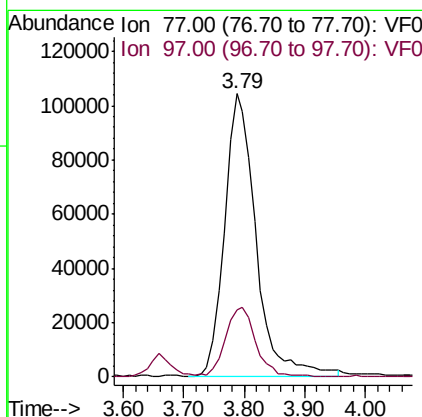
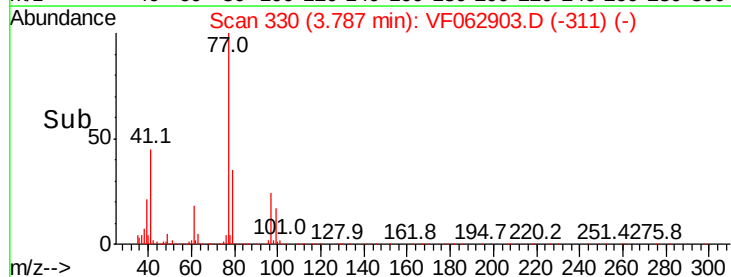
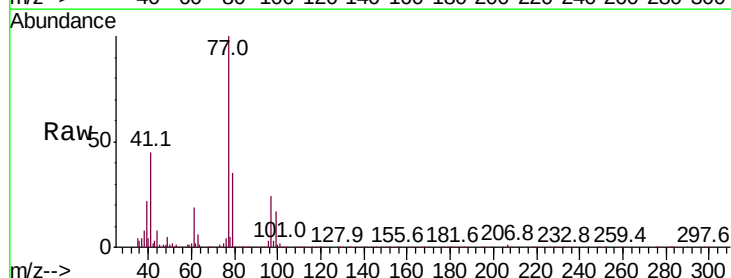
Manual Integrations
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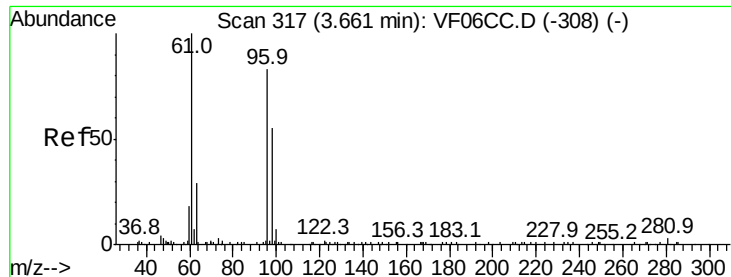
MMDadoda
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#26
2,2-Dichloropropane
Concen: 55.867 ug/l
RT: 3.79 min Scan# 330
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.6	12.4	37.4





#27

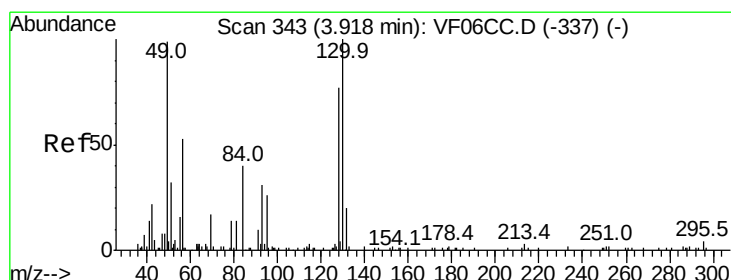
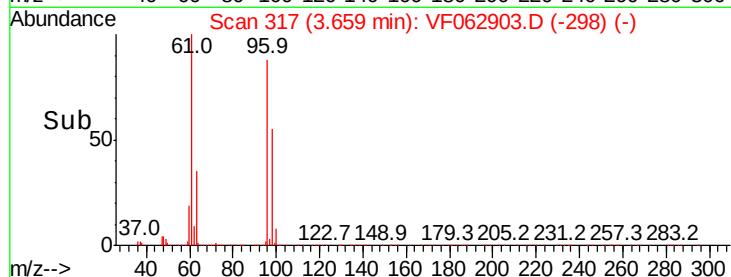
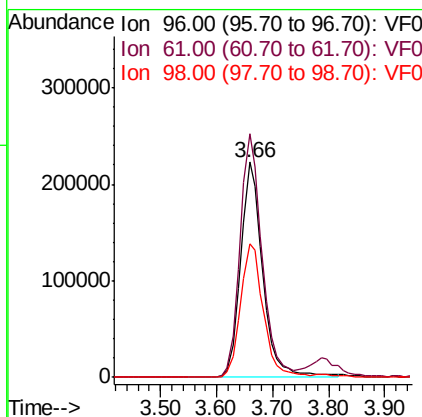
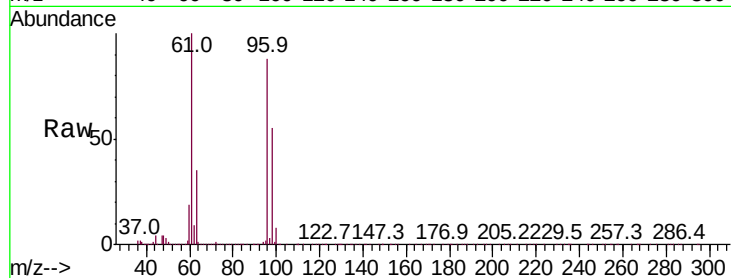
cis-1,2-Dichloroethene
Concen: 50.049 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	605435		
61	113.1		0.0	213.8
98	61.8		0.0	127.0

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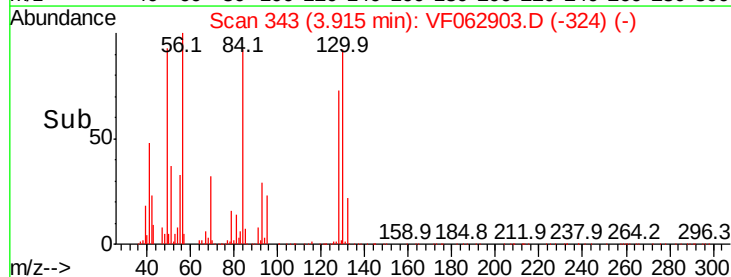
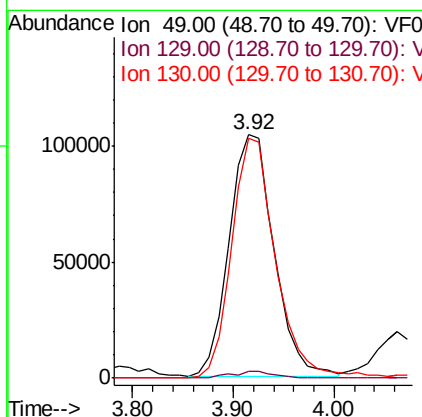
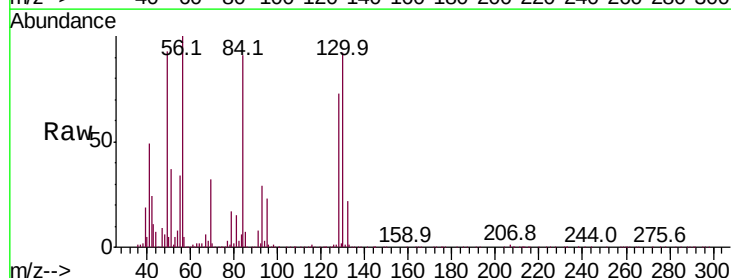
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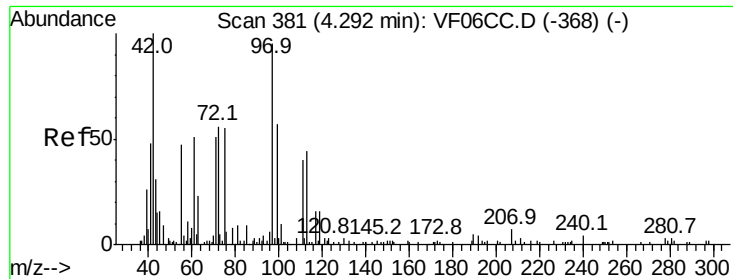


#28

Bromochloromethane
Concen: 50.157 ug/l
RT: 3.92 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	322263		
129	2.7		0.0	5.4
130	98.6		79.2	118.8





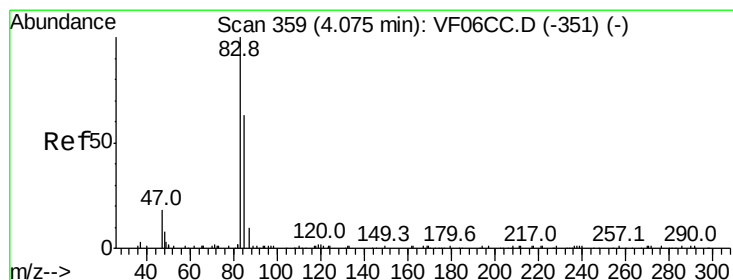
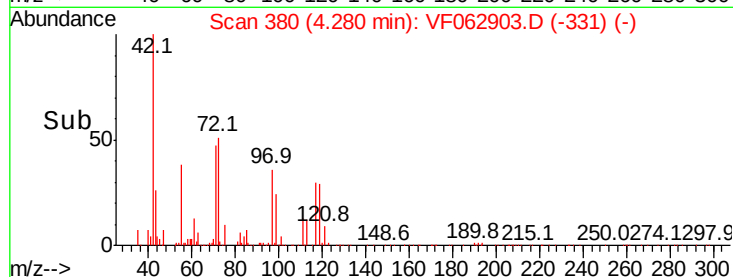
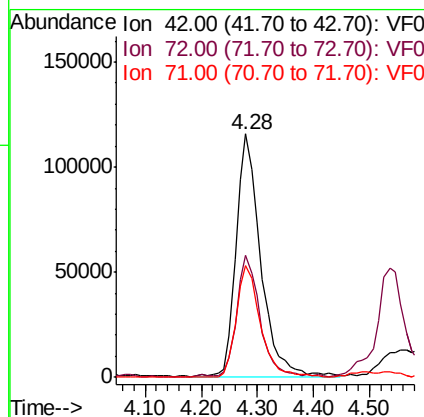
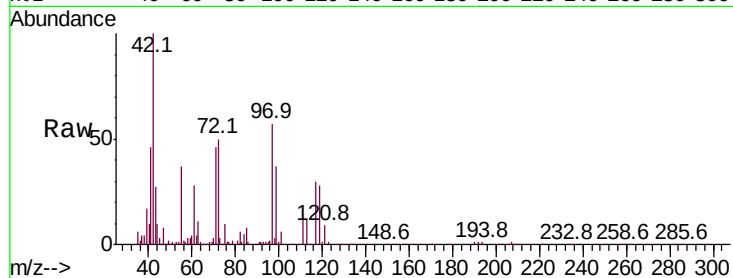
#29
Tetrahydrofuran
Concen: 288.848 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	39.0	58.6
71	45.4	36.9	55.3

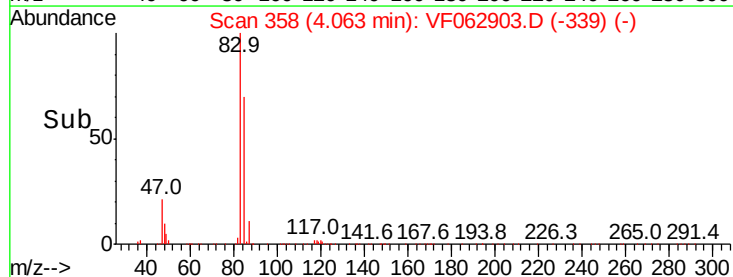
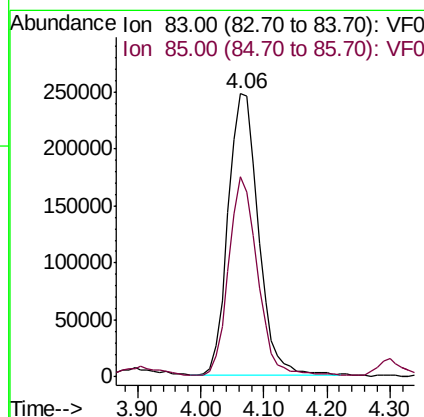
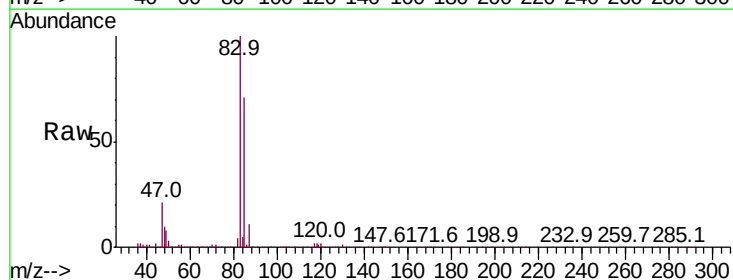
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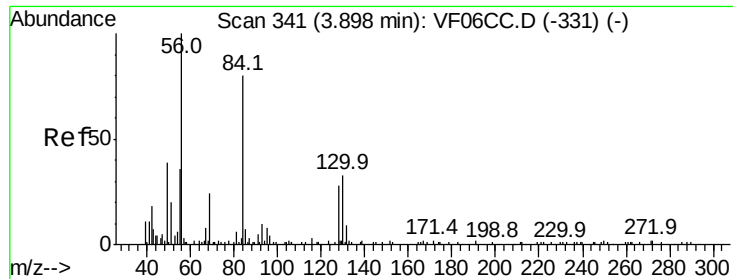
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#30
Chloroform
Concen: 49.128 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.7	55.0	82.6





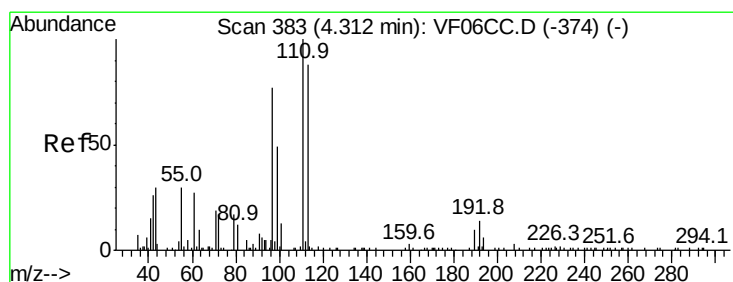
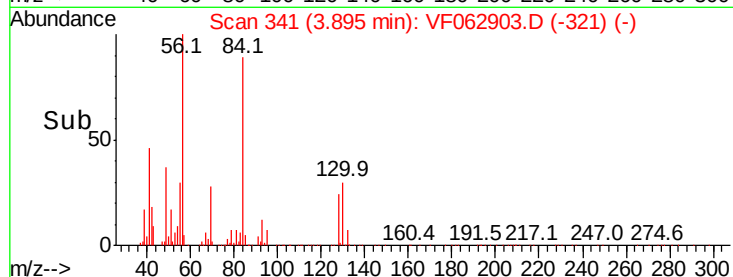
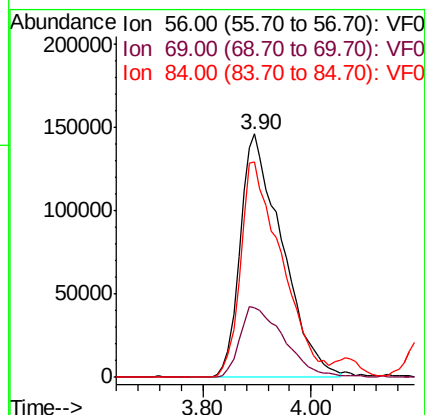
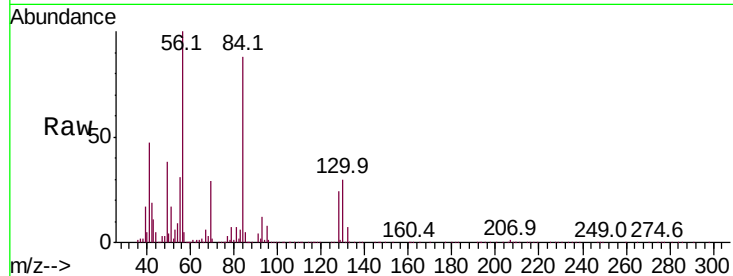
#31
Cyclohexane
Concen: 49.135 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	26.7	40.1
84	88.5	74.3	111.5

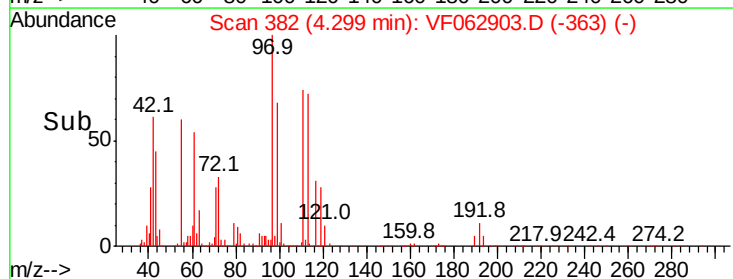
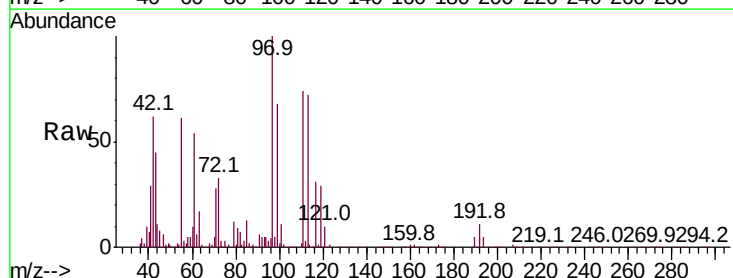
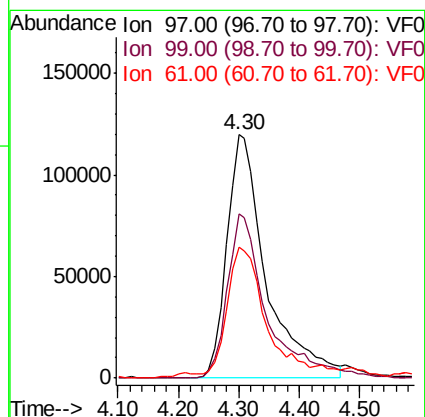
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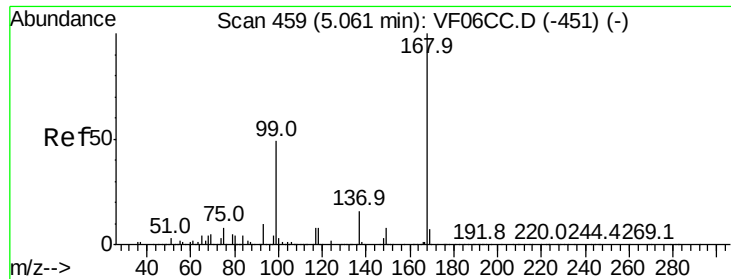
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#32
1,1,1-Trichloroethane
Concen: 55.908 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.7	51.7	77.5
61	53.9	38.9	58.3





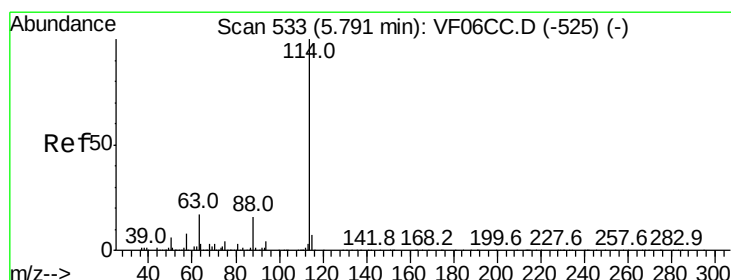
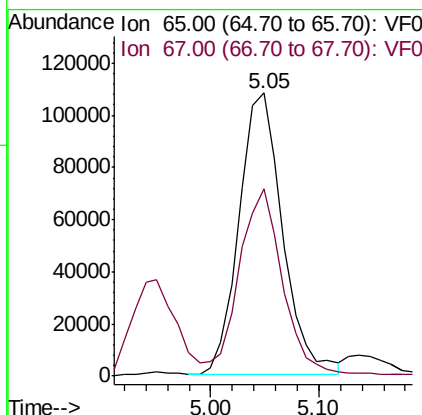
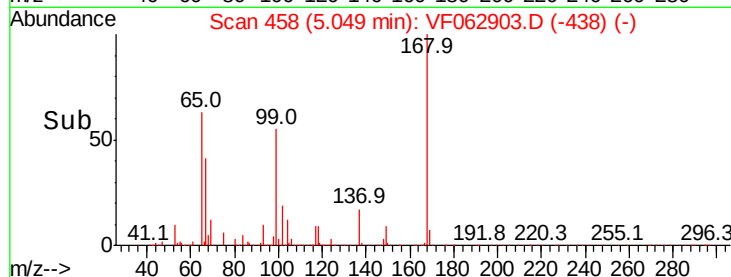
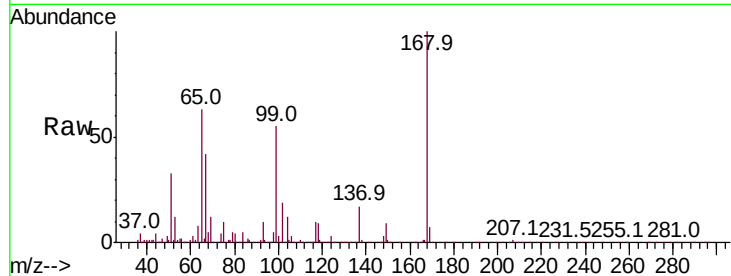
#33
 1,2-Dichloroethane-d4
 Concen: 50.807 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	66.2	0.0	121.2

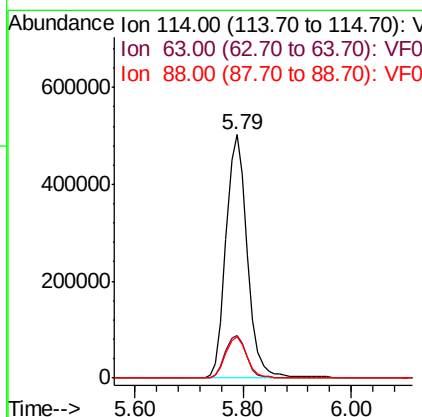
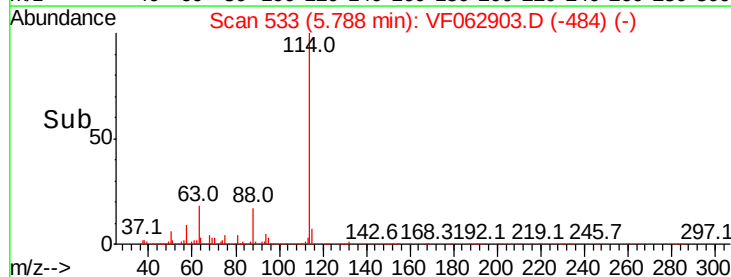
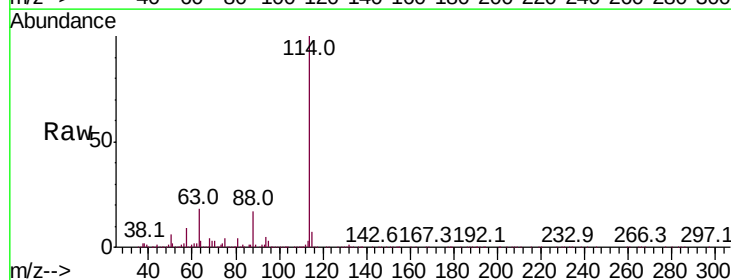
Manual Integrations
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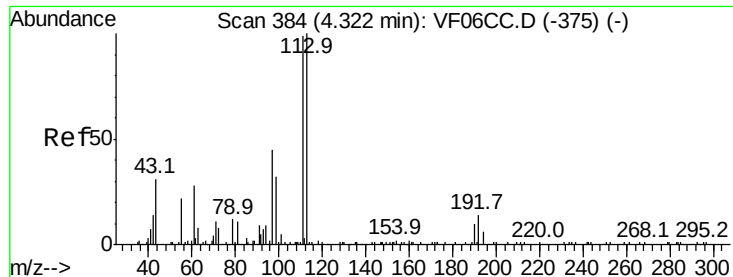
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	34.2
88	16.9	0.0	31.2





#35

Dibromofluoromethane

Concen: 50.331 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

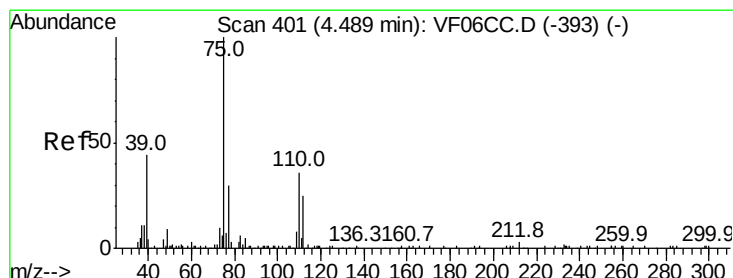
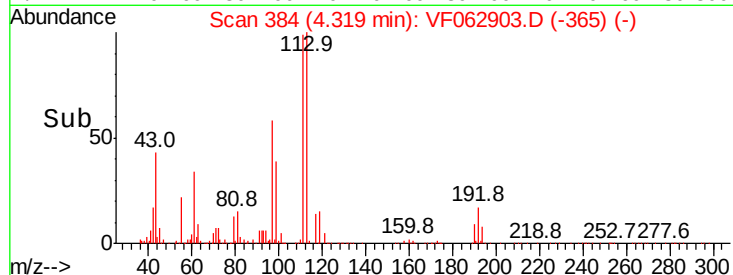
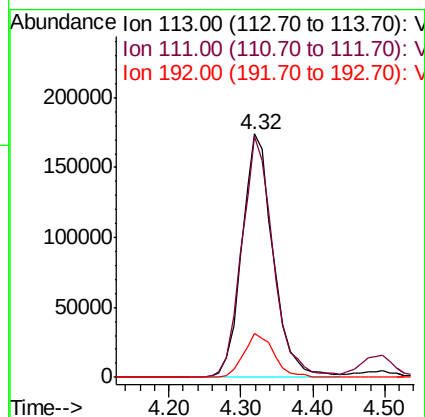
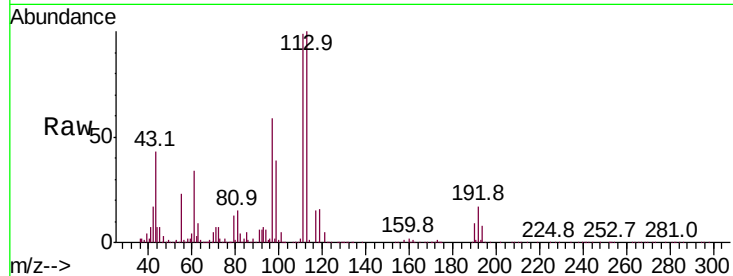
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	524678
Ion Ratio	Lower	Upper	
113	100		
111	98.8	81.9	122.9
192	17.9	15.1	22.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.507 ug/l

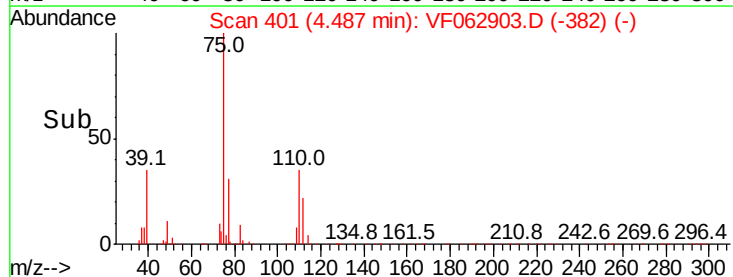
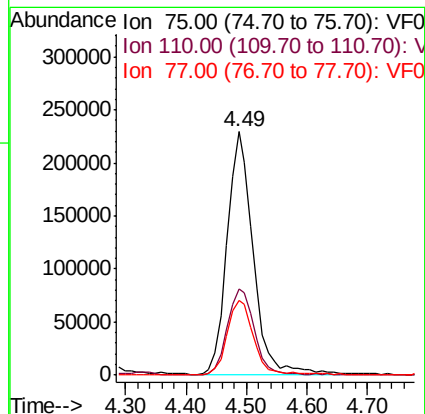
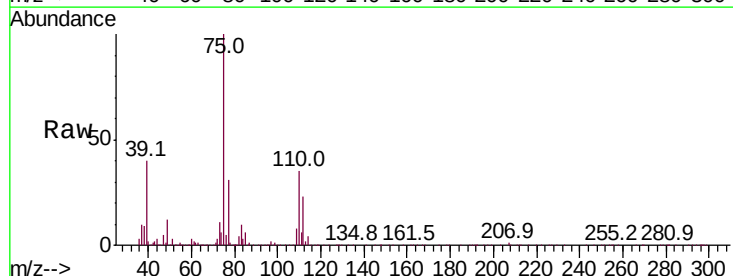
RT: 4.49 min Scan# 401

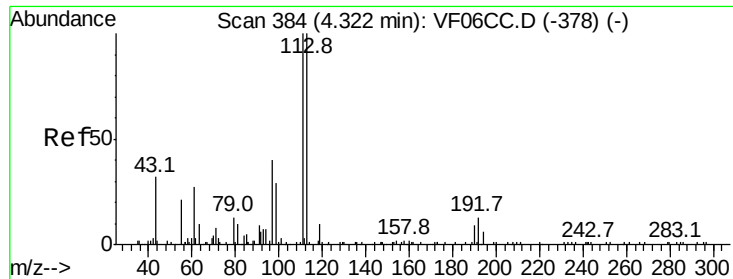
Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion:	75	Resp:	679540
Ion Ratio	Lower	Upper	
75	100		
110	35.2	19.4	58.1
77	30.7	25.4	38.2





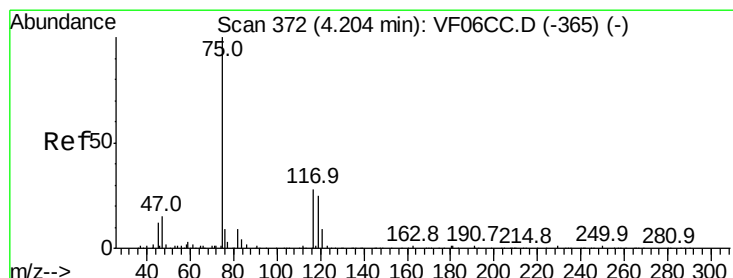
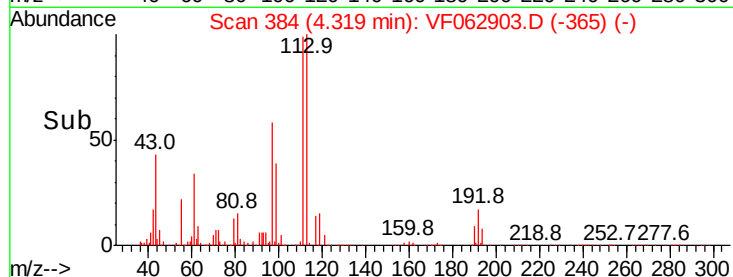
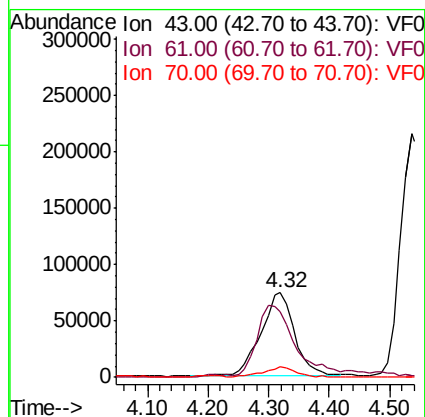
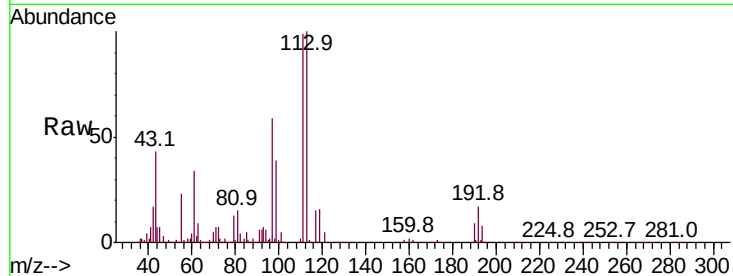
#37
Ethyl Acetate
Concen: 59.587 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	78.4	59.1	88.7
70	12.5	10.1	15.1

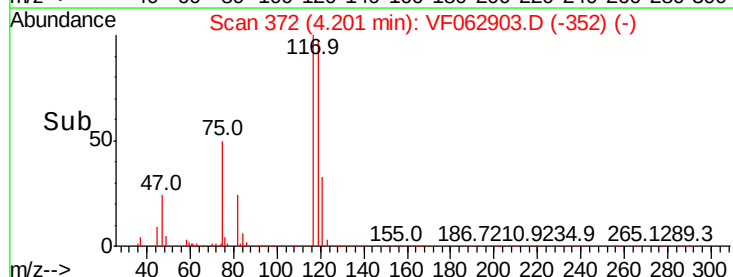
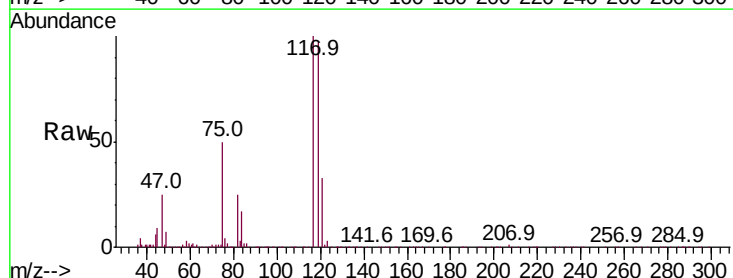
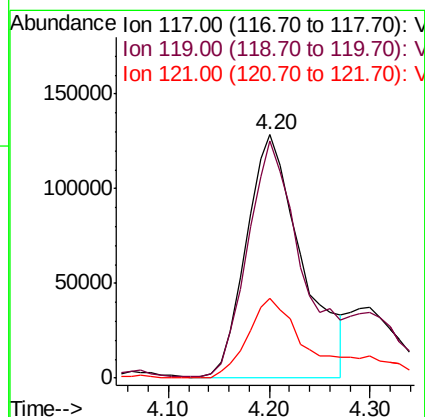
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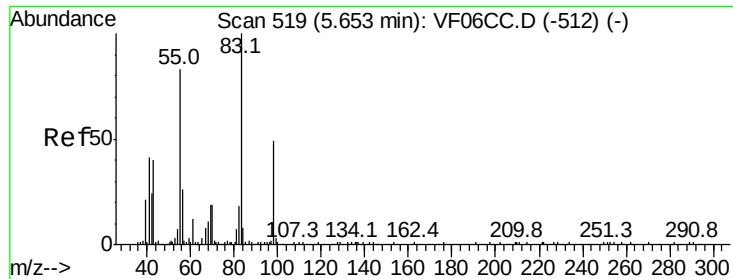
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#38
Carbon Tetrachloride
Concen: 57.228 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	78.2	117.2
121	32.7	28.2	42.2





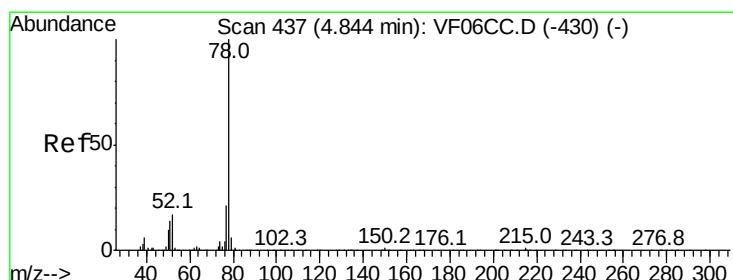
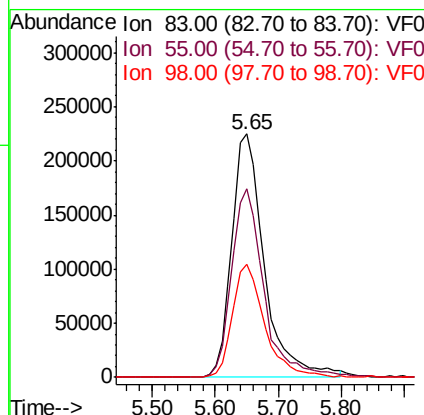
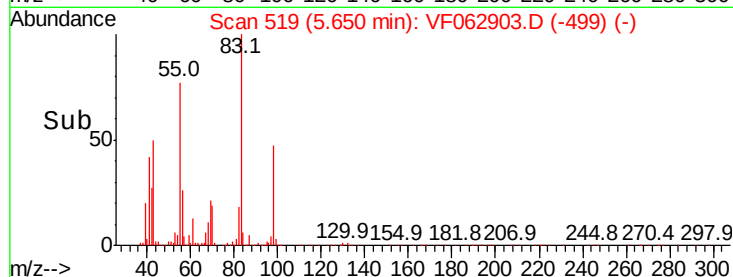
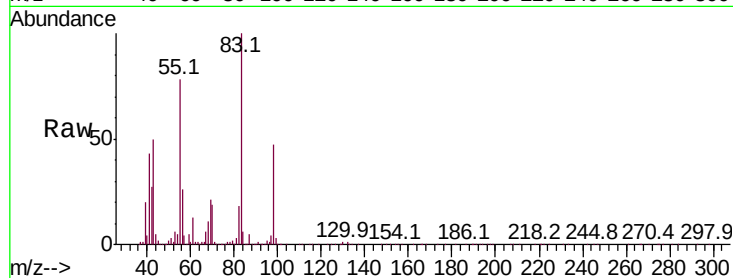
#39
Methylvlcyclohexane
Concen: 50.893 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.6	92.4
98	46.7	37.4	56.2

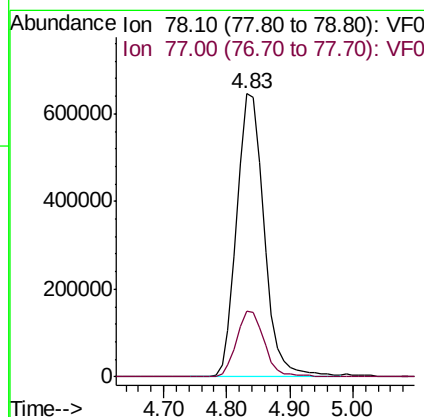
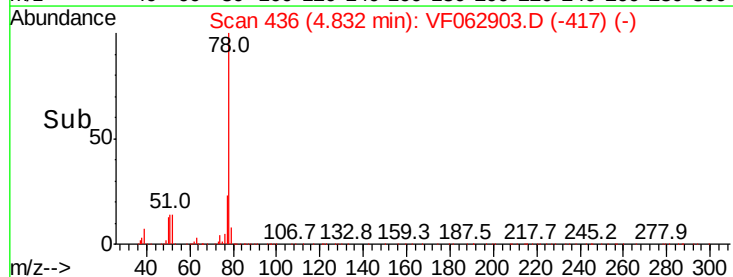
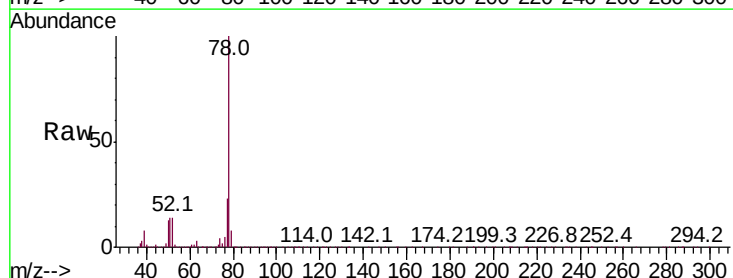
Manual Integrations
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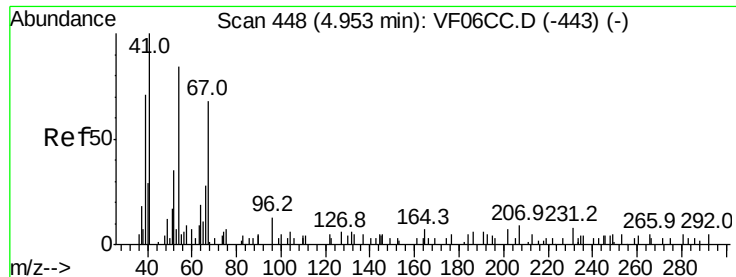
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#40
Benzene
Concen: 52.665 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





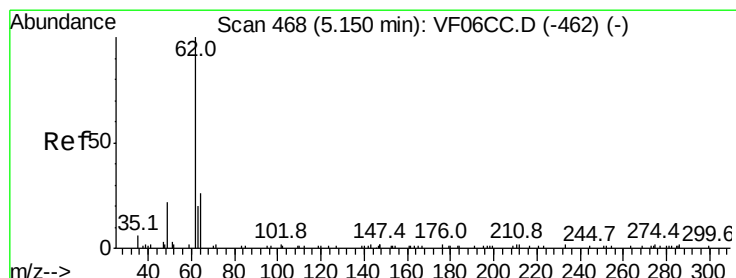
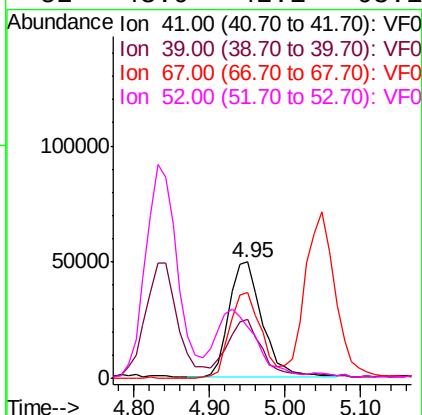
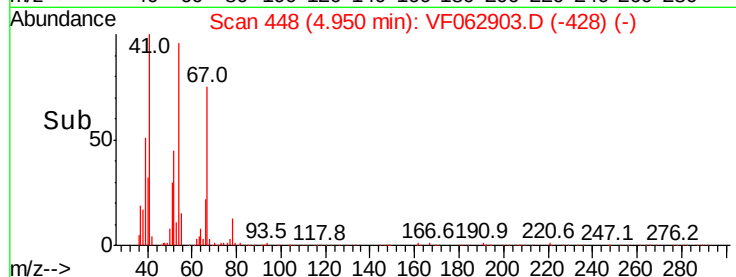
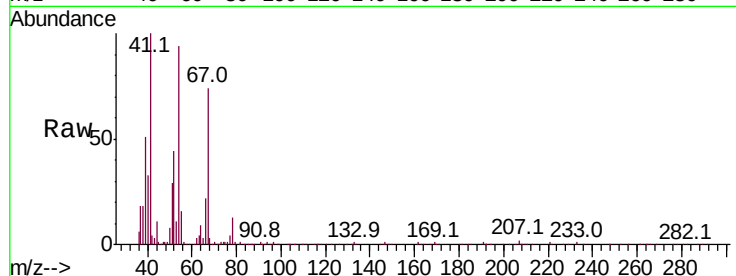
#41
Methacrylonitrile
Concen: 55.898 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.2	42.0	63.0
67	74.3	61.4	92.0
52	43.9	42.1	63.1

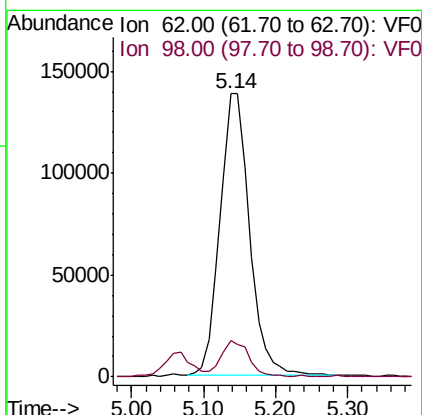
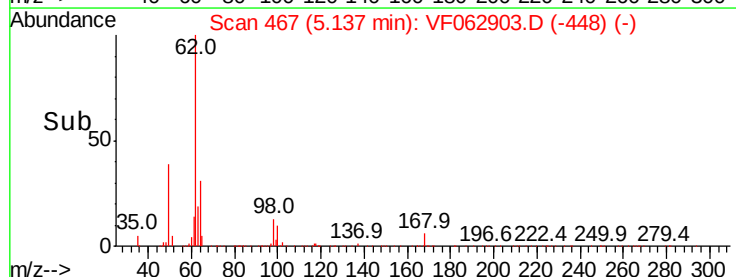
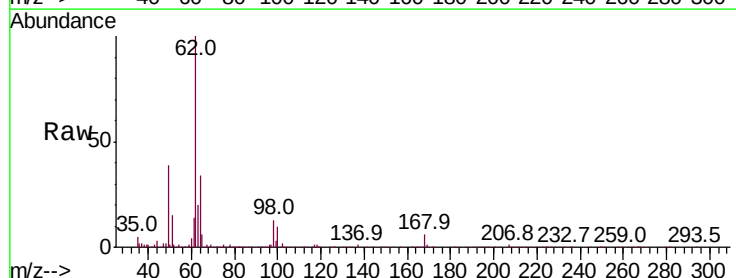
Manual Integrations
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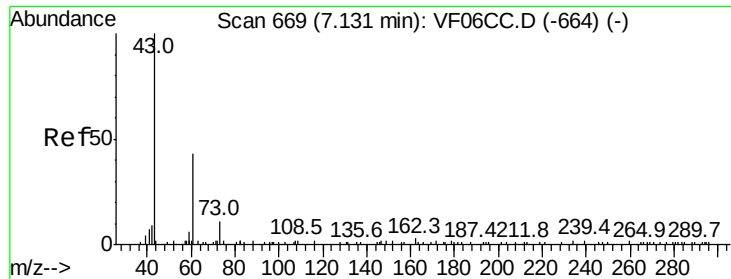
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#42
1,2-Dichloroethane
Concen: 56.192 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.9	0.0	24.0





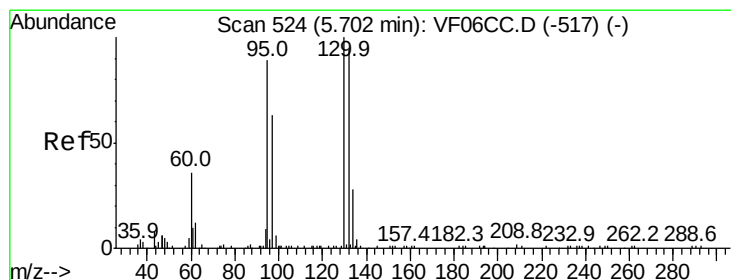
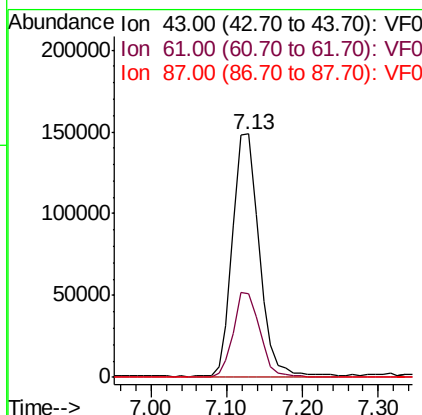
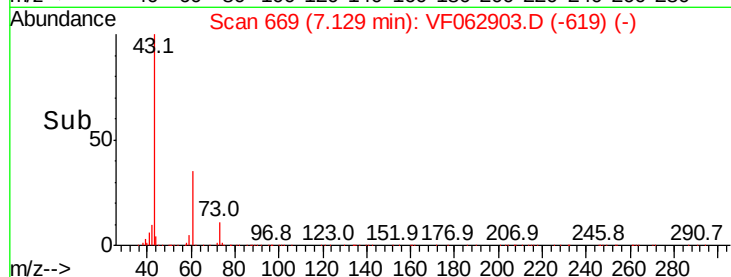
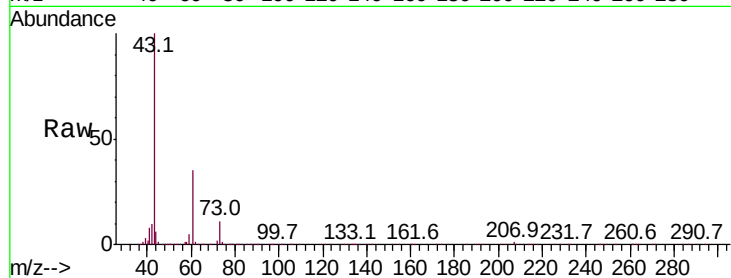
#43
Isopropyl Acetate
Concen: 56.514 ug/l
RT: 7.13 min Scan# 669
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.5	29.8	44.6
87	0.3	0.3	0.5

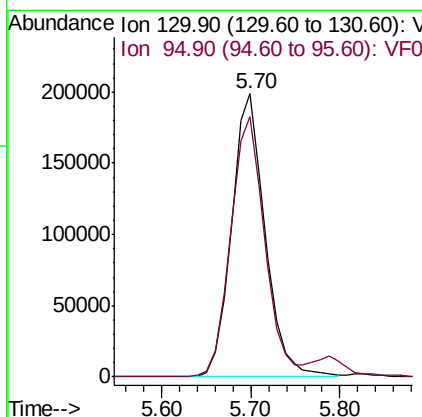
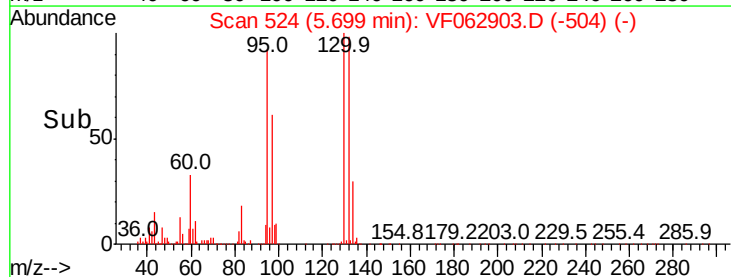
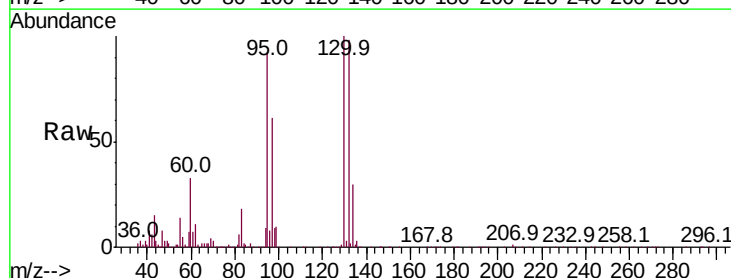
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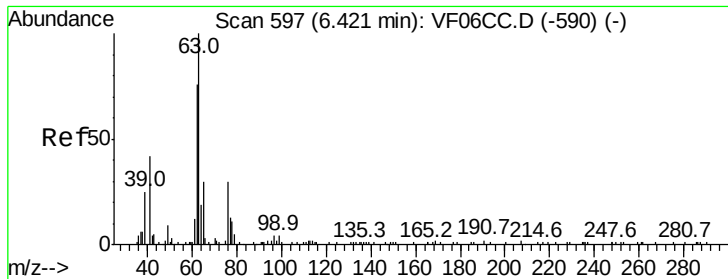
MMDadoda
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#44
Trichloroethene
Concen: 49.962 ug/l
RT: 5.70 min Scan# 524
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	188.2





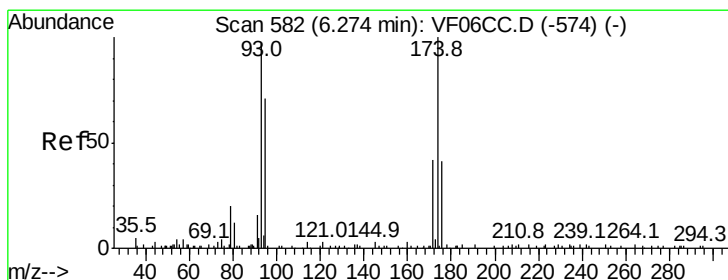
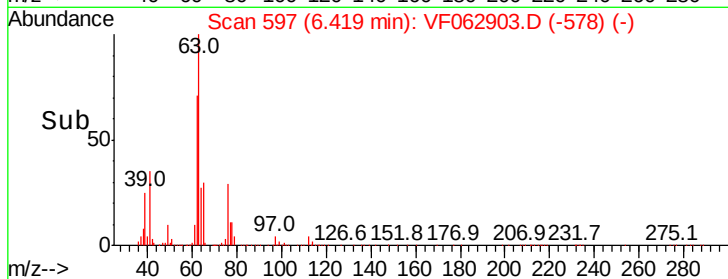
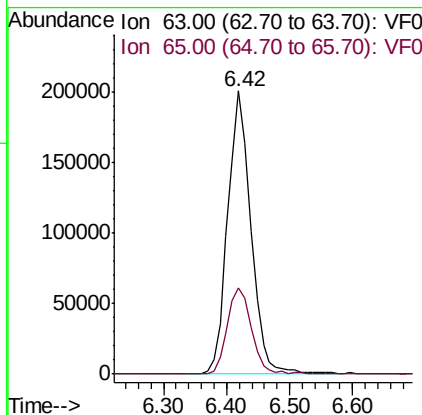
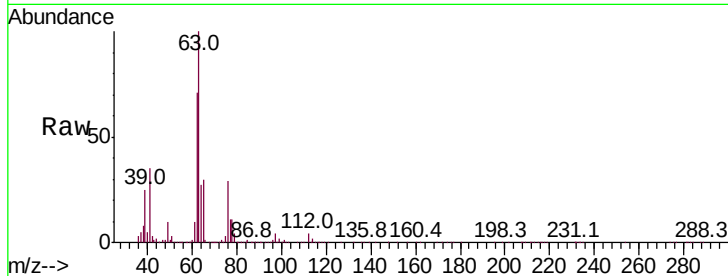
#45
 1,2-Dichloropropane
 Concen: 55.378 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. -0.01 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.2

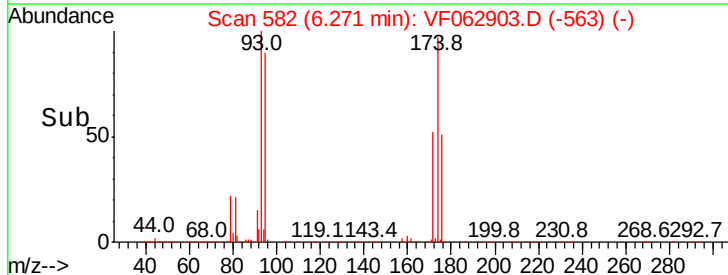
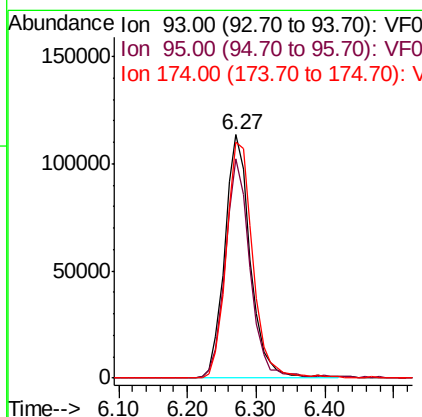
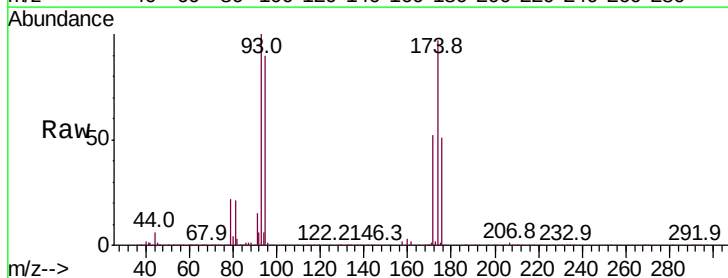
Manual Integrations
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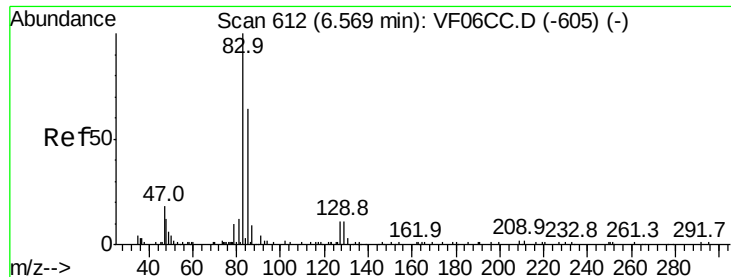
MMDadoda
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#46
 Dibromomethane
 Concen: 53.957 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	90.1	67.9	101.9
174	96.8	85.0	127.4





#47

Bromodichloromethane

Concen: 53.207 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062903.D

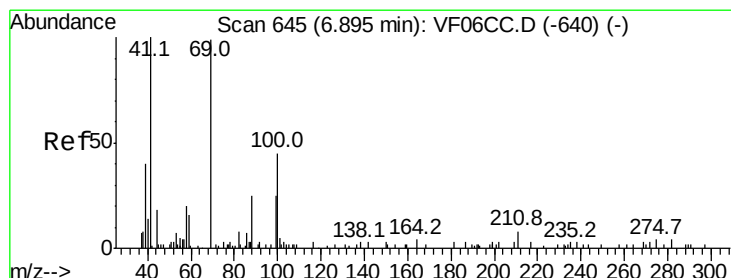
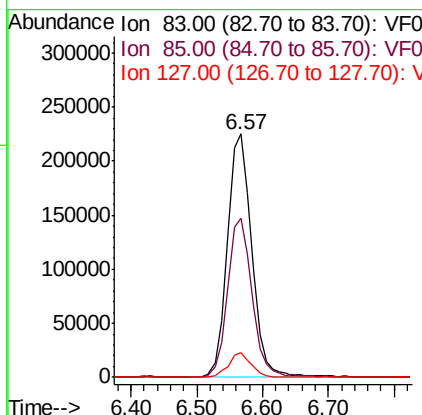
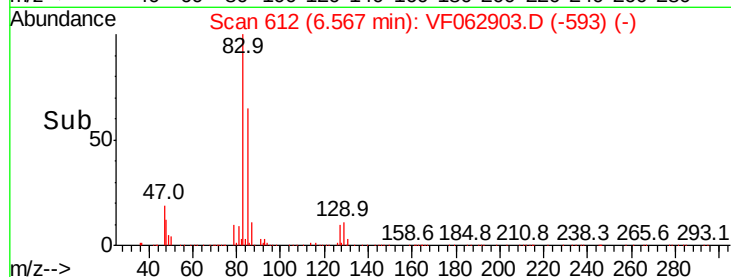
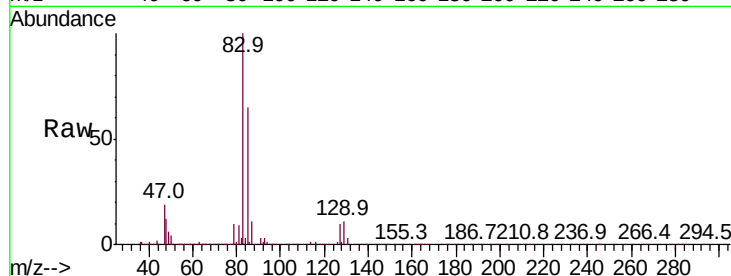
Acq: 7 Jun 2019 17:39

Tot Ion:	83	Resp:	586810
Ion Ratio	Lower	Upper	
83	100		
85	65.4	54.2	81.4
127	10.3	7.0	10.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.296 ug/l

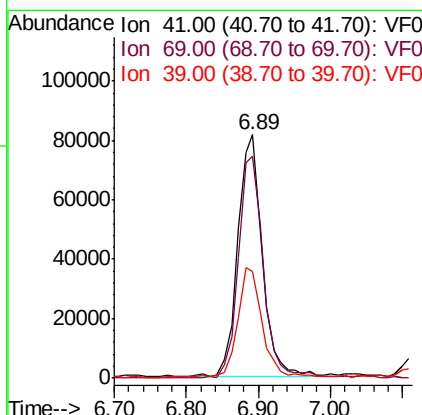
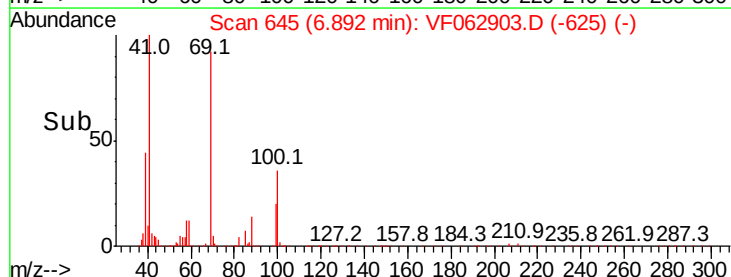
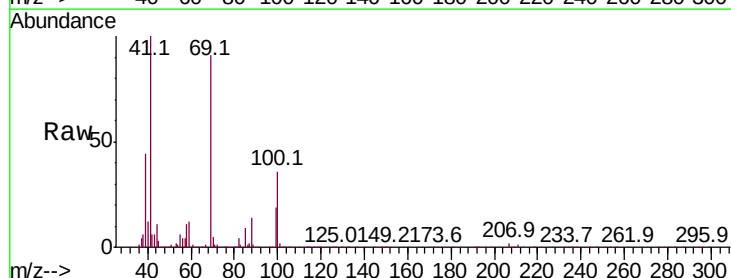
RT: 6.89 min Scan# 645

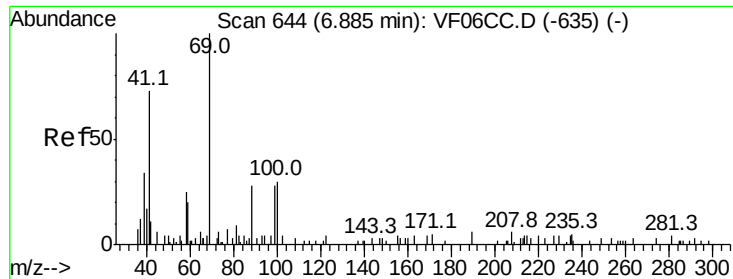
Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion:	41	Resp:	195982
Ion Ratio	Lower	Upper	
41	100		
69	91.3	79.4	119.2
39	44.0	39.8	59.6





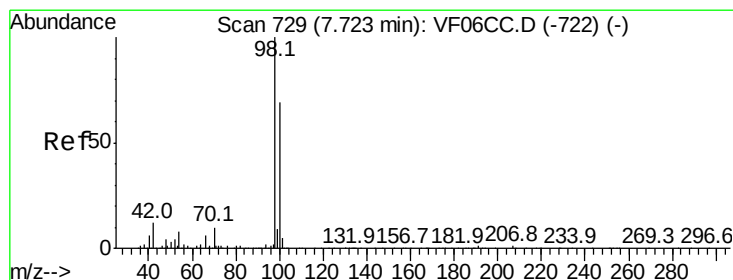
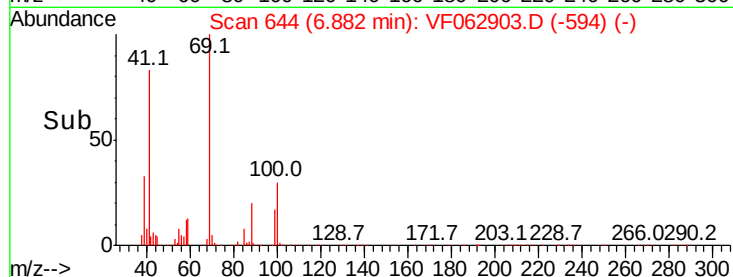
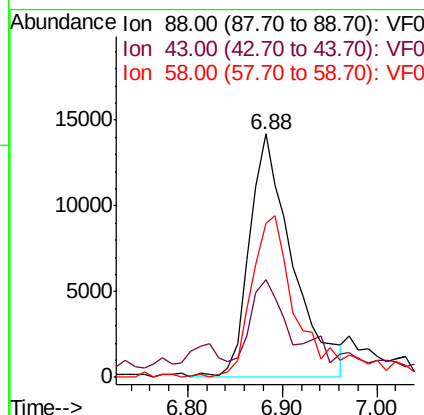
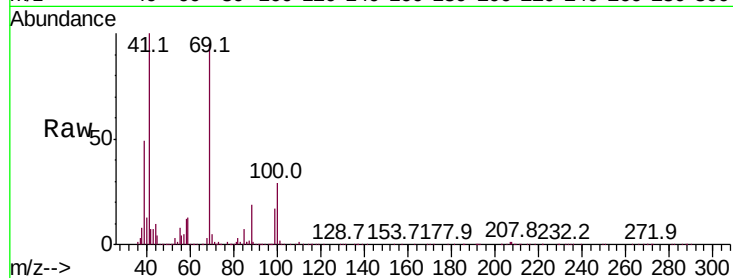
#49
1,4-Dioxane
Concen: 1030.492 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.9	34.8	52.2
58	63.3	59.9	89.9

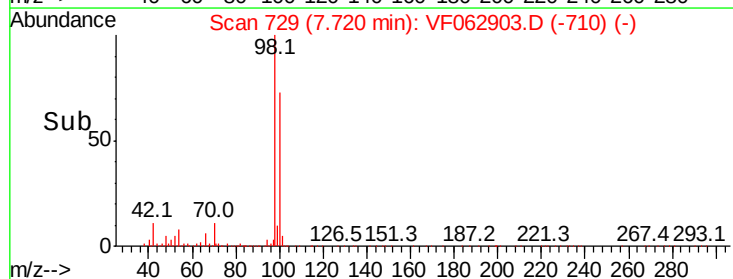
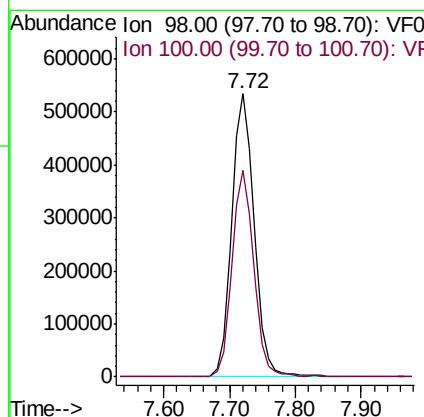
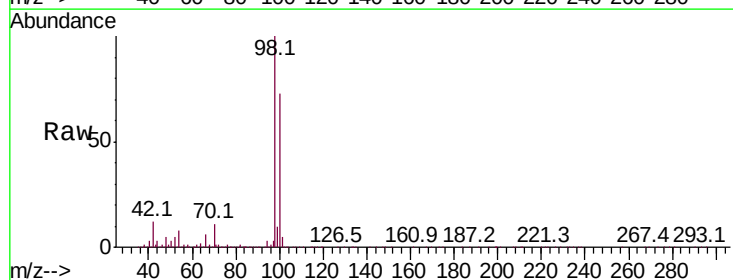
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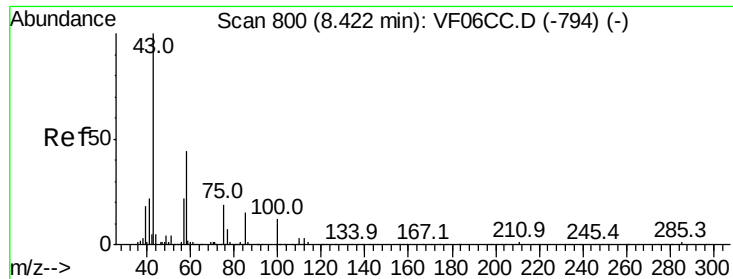
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#50
Toluene-d8
Concen: 48.737 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.1	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 280.357 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tot Ion: 43 Resp: 1283657

Ion Ratio Lower Upper

43 100

58 44.6 35.5 53.3

Instrument :

MSVOA_F

ClientSampleId :

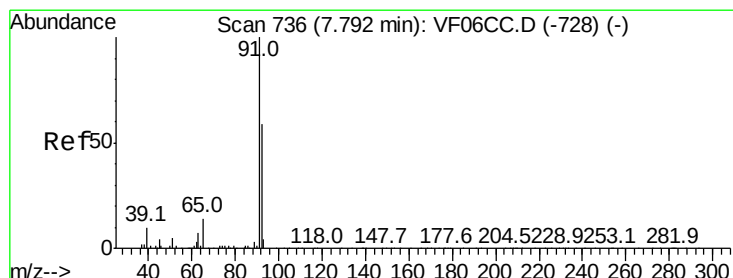
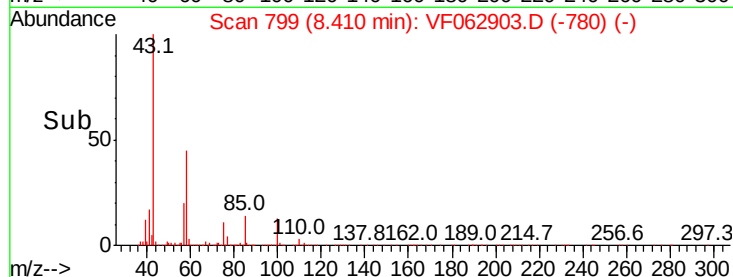
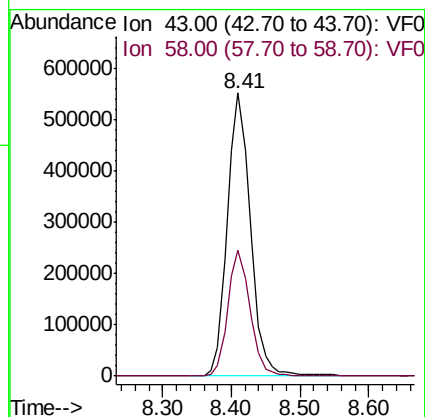
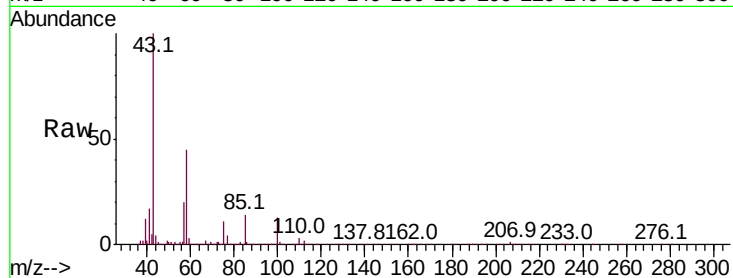
VSTDCCC050EC

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#52

Toluene

Concen: 50.492 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF062903.D

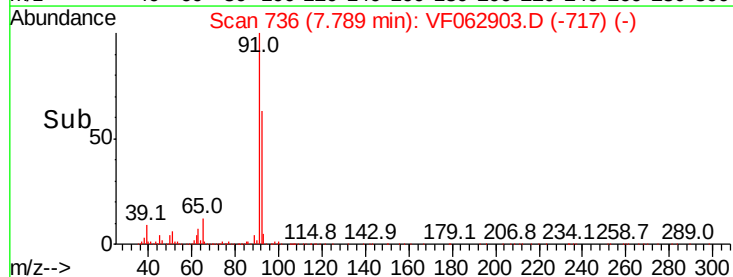
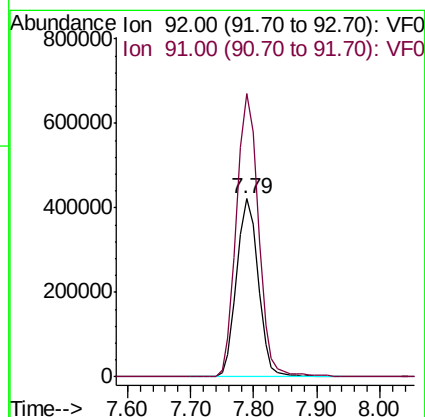
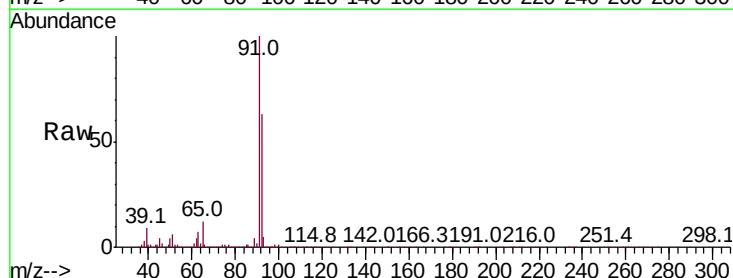
Acq: 7 Jun 2019 17:39

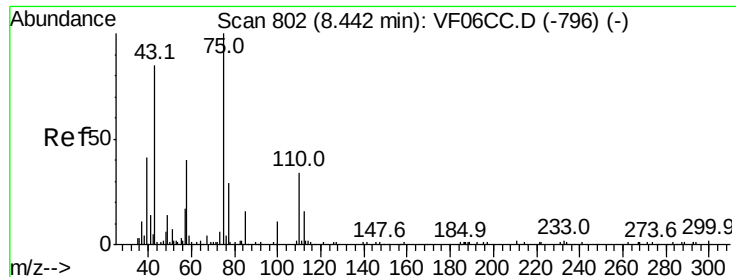
Tgt Ion: 92 Resp: 1005196

Ion Ratio Lower Upper

92 100

91 158.7 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 53.627 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 490101

Ion Ratio Lower Upper

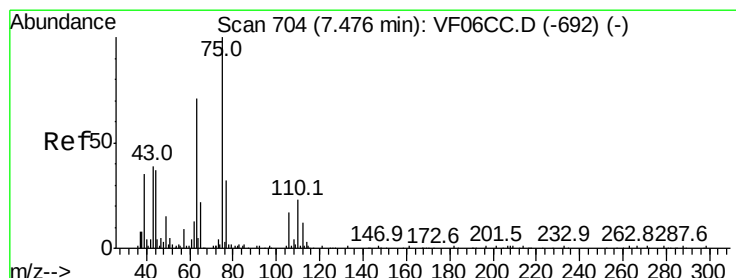
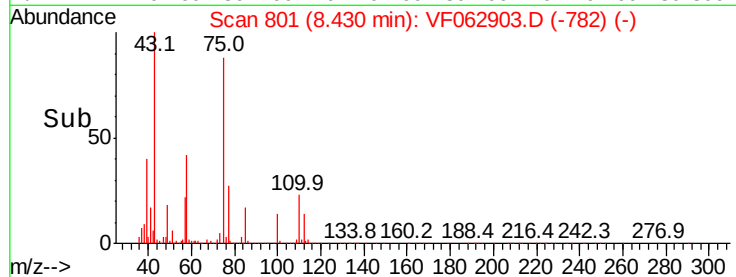
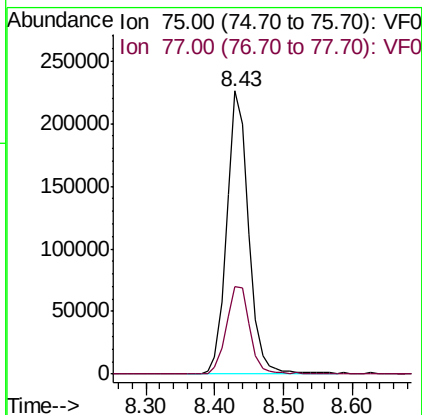
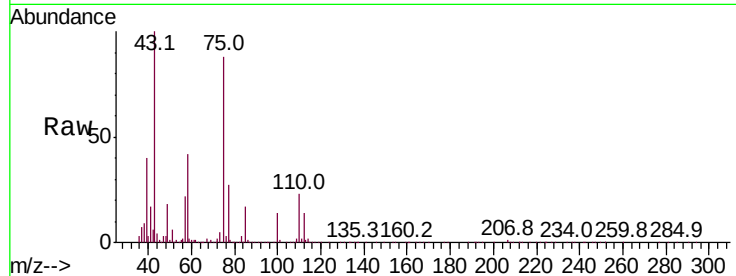
75 100

77 31.1 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 51.627 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

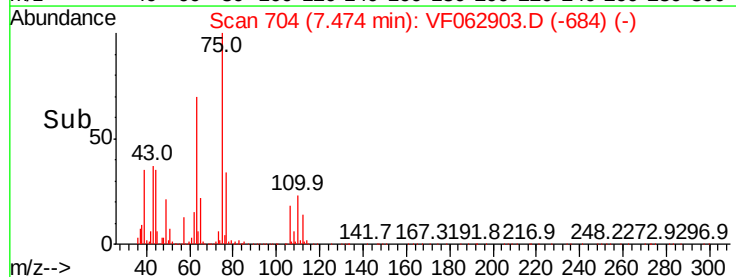
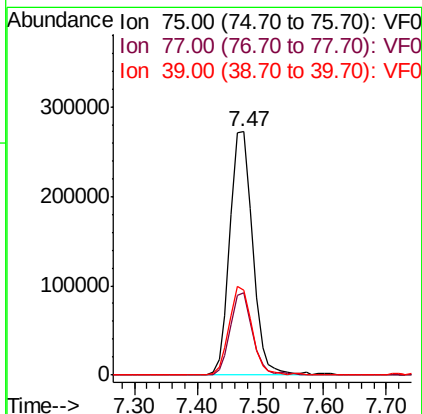
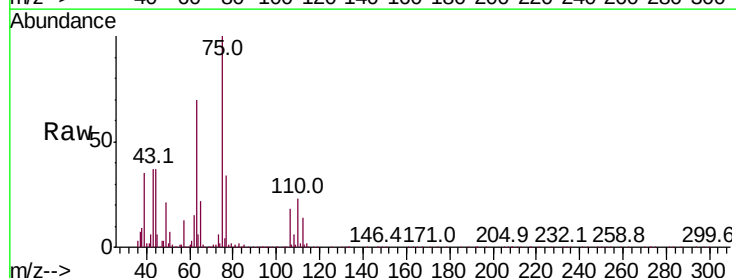
Tgt Ion: 75 Resp: 682965

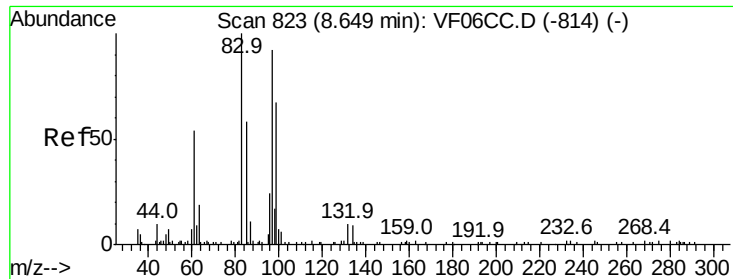
Ion Ratio Lower Upper

75 100

77 33.9 25.8 38.8

39 34.9 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 52.891 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

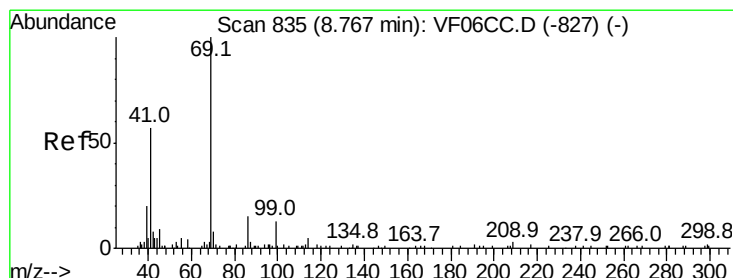
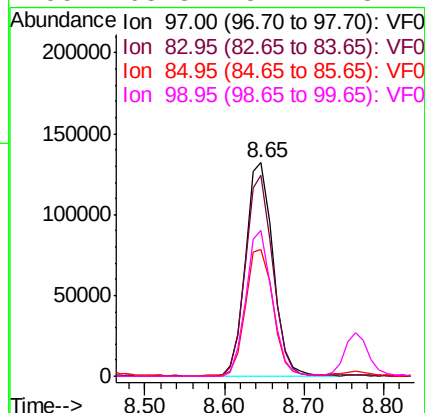
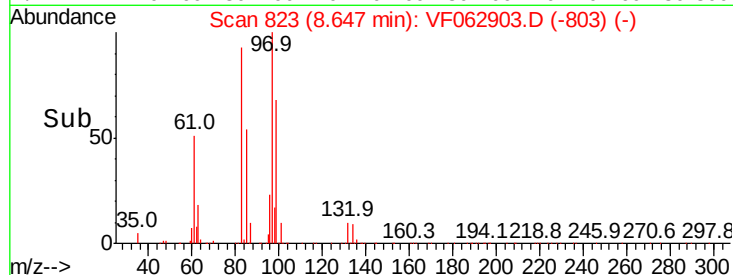
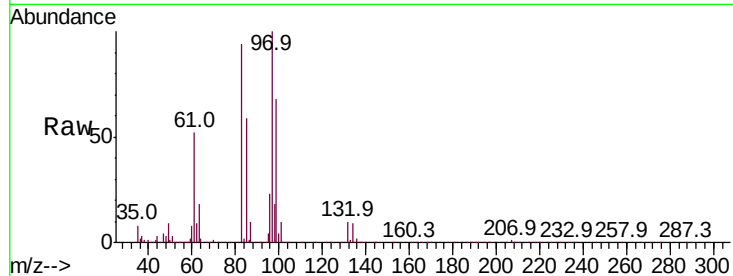
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	314570
Ion	Ratio	Lower	Upper
97	100		
83	94.3	72.0	108.0
85	59.1	47.5	71.3
99	68.3	54.1	81.1

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#56

Ethyl methacrylate

Concen: 53.757 ug/l

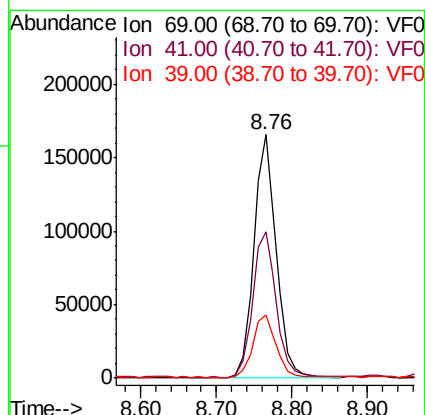
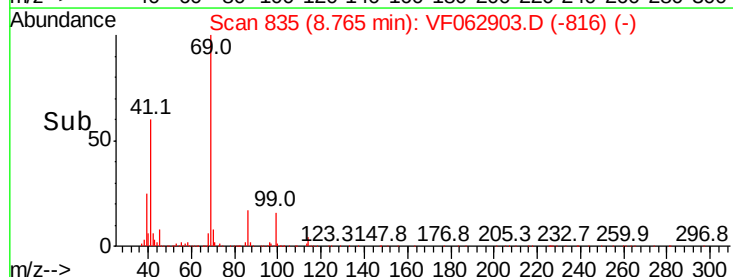
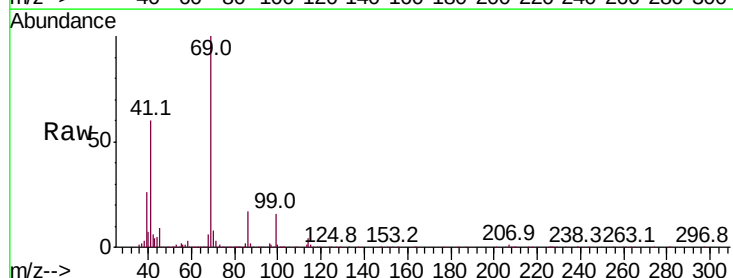
RT: 8.76 min Scan# 835

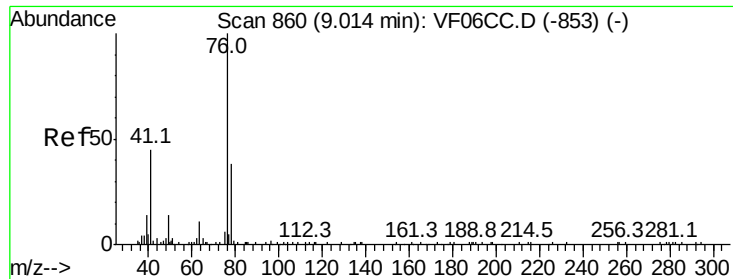
Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion:	69	Resp:	343049
Ion	Ratio	Lower	Upper
69	100		
41	60.3	46.6	69.8
39	25.8	19.6	29.4





#57

1,3-Dichloropropane

Concen: 56.141 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 545264

Ion Ratio Lower Upper

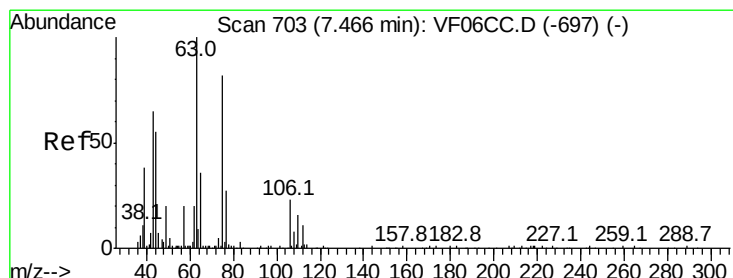
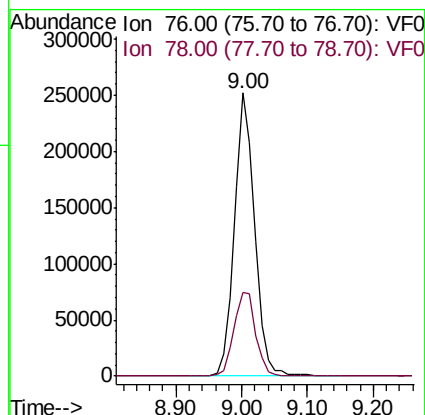
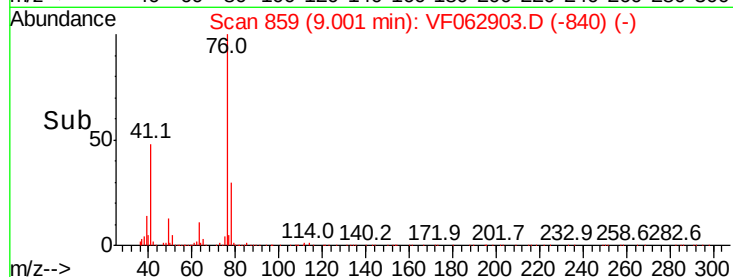
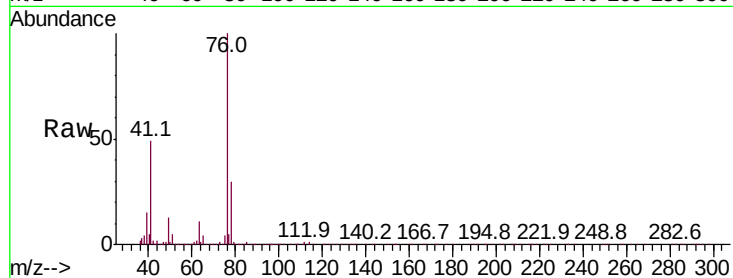
76 100

78 29.6 26.8 40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 320.219 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062903.D

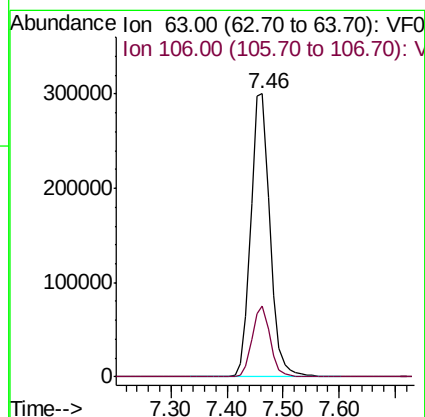
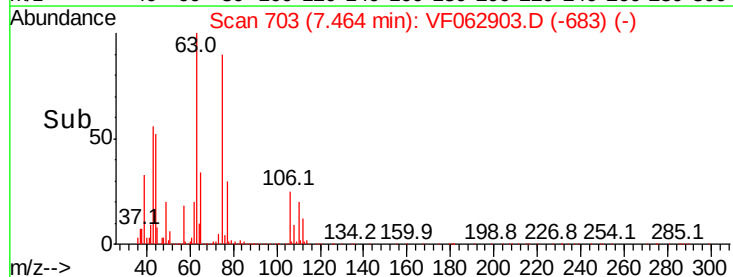
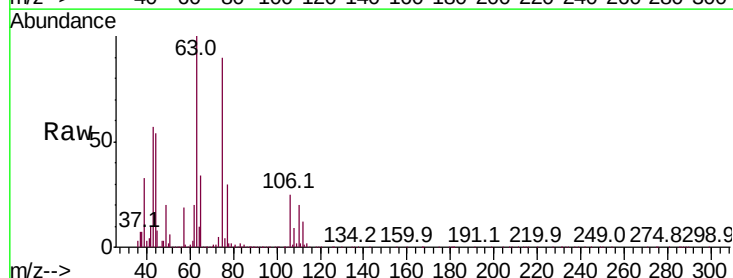
Acq: 7 Jun 2019 17:39

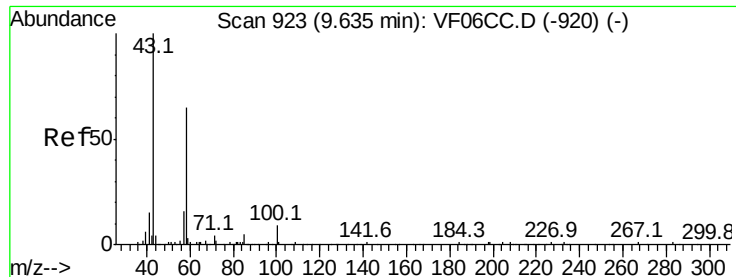
Tgt Ion: 63 Resp: 714173

Ion Ratio Lower Upper

63 100

106 25.2 19.5 29.3





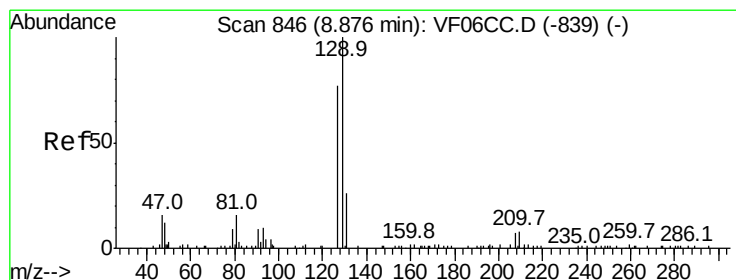
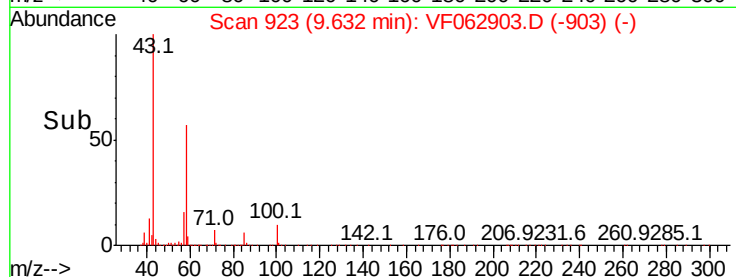
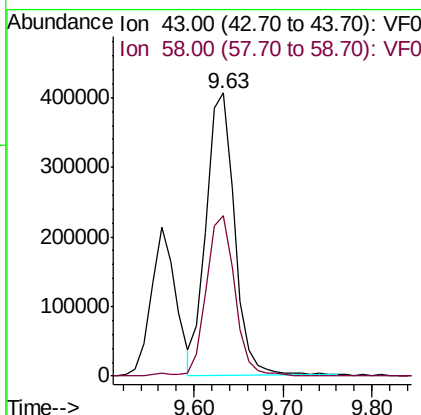
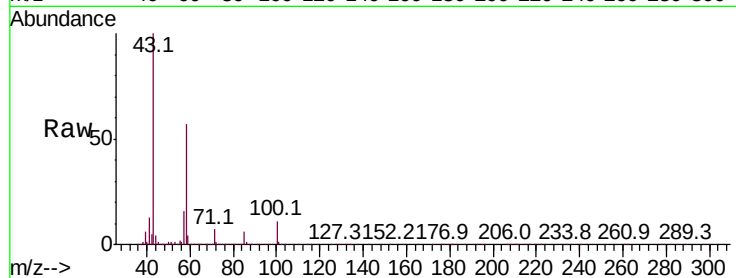
#59
2-Hexanone
Concen: 274.192 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.9	29.3	87.9

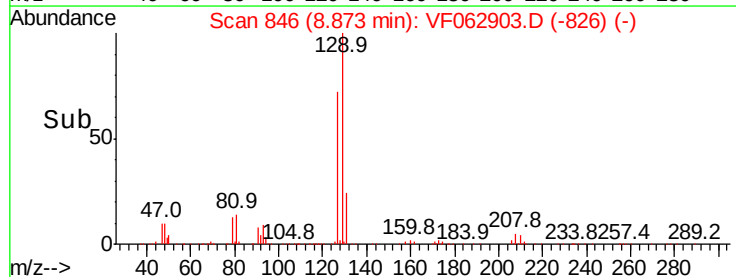
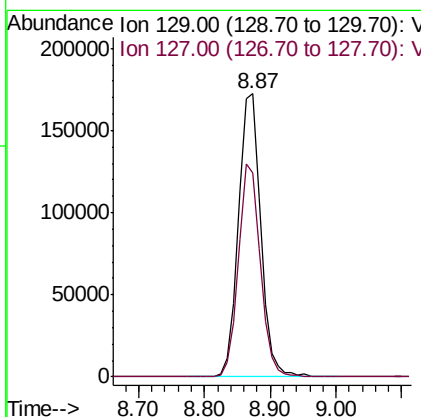
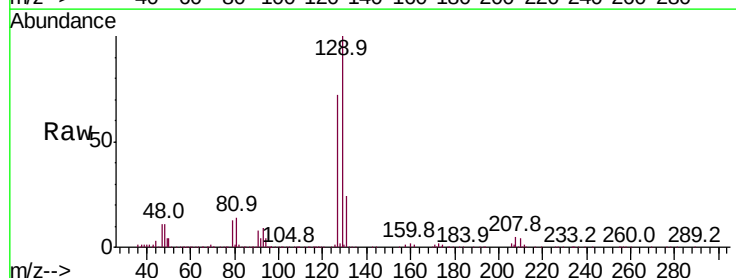
Manual Integrations
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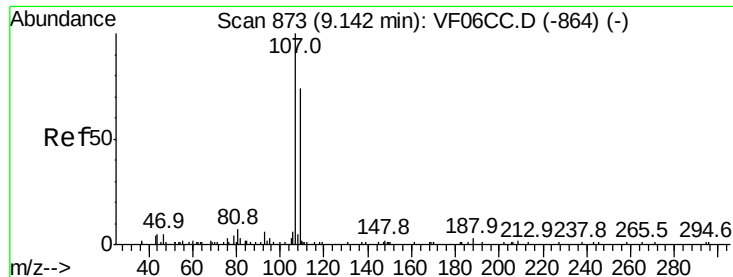
MMDadoda
6/10/2019 12:25:48 PM



#60
Dibromochloromethane
Concen: 56.007 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.9	37.1	111.3





#61

1,2-Dibromoethane

Concen: 54.399 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 336011

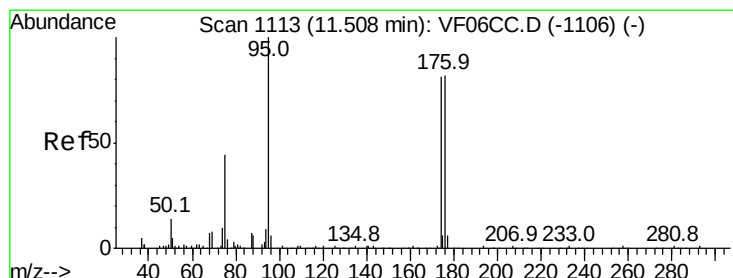
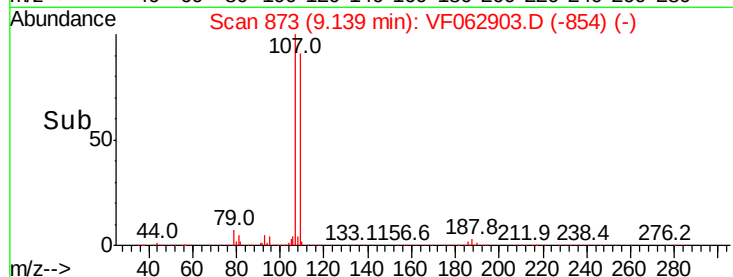
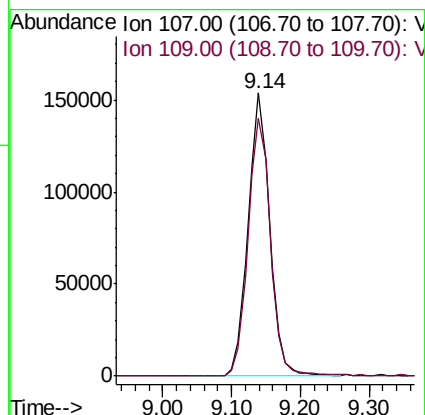
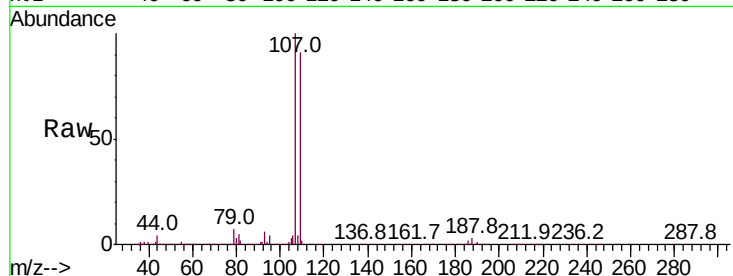
Ion Ratio Lower Upper

107 100

109 91.1 78.1 117.1

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#62

4-Bromofluorobenzene

Concen: 46.319 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

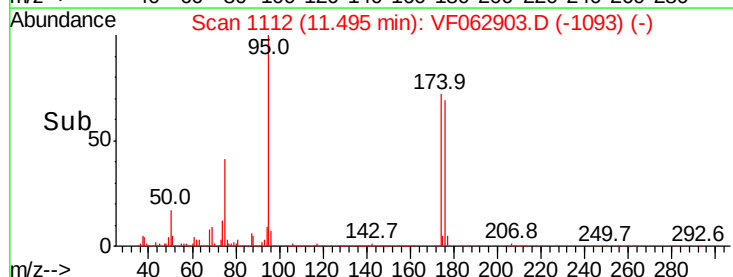
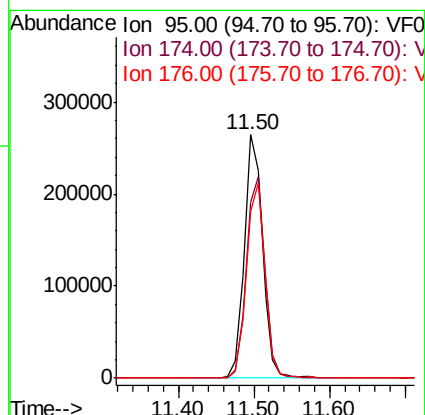
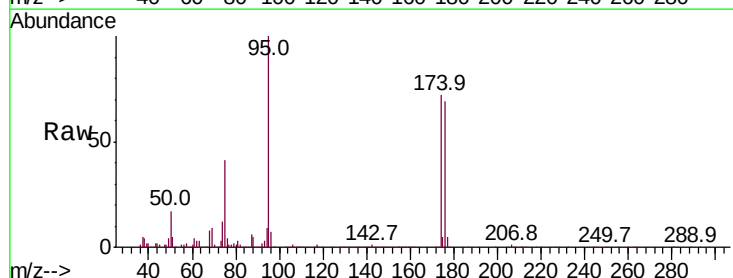
Tgt Ion: 95 Resp: 439218

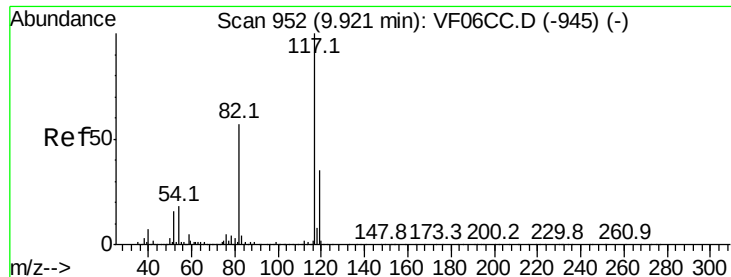
Ion Ratio Lower Upper

95 100

174 72.0 0.0 170.6

176 68.6 0.0 170.6





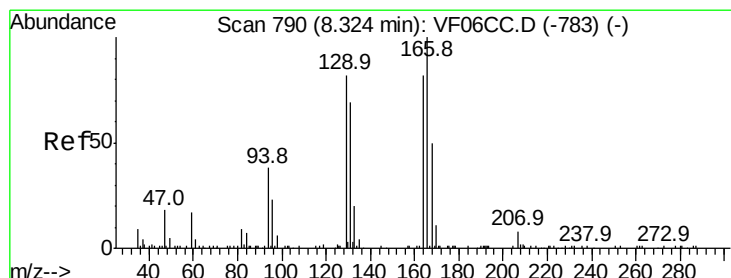
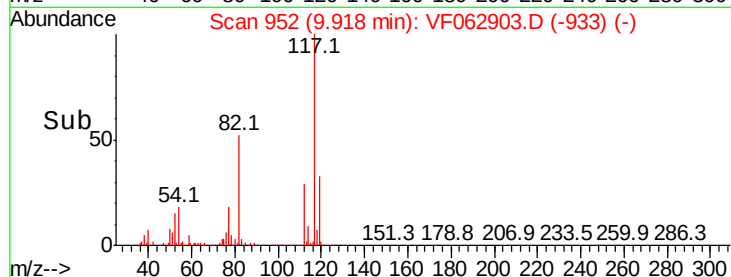
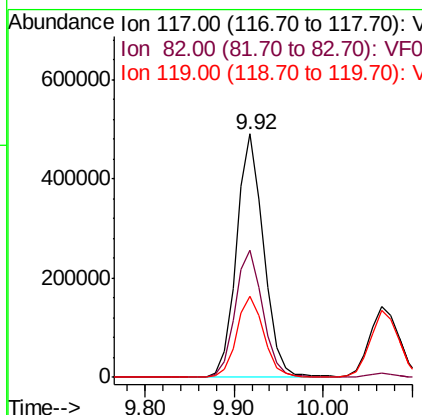
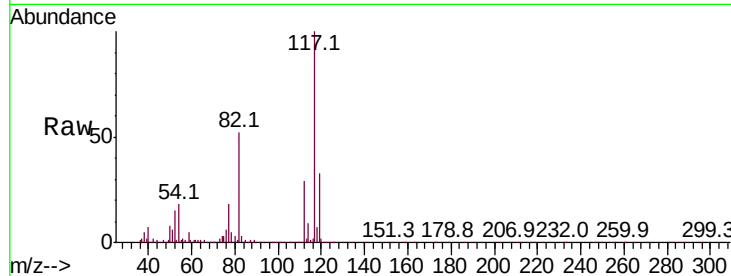
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.4	63.6
119	33.2	27.1	40.7

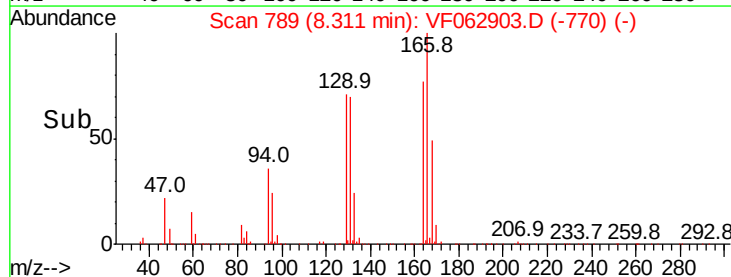
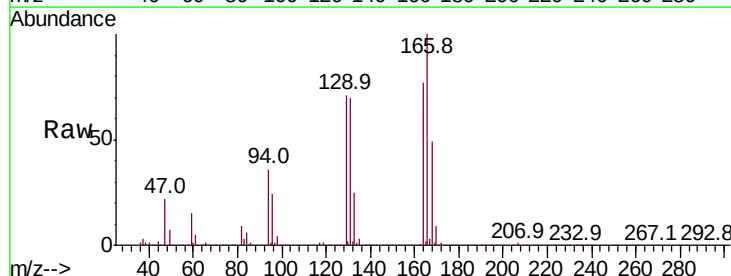
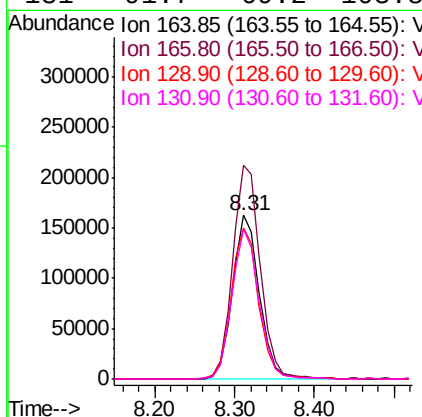
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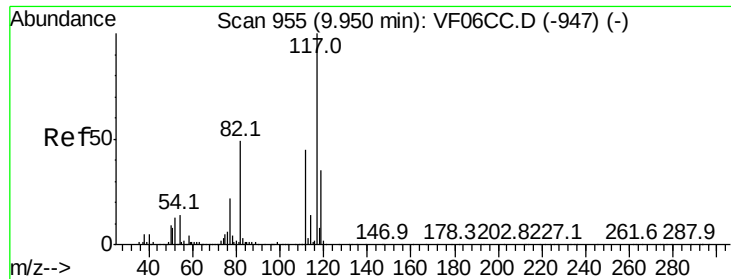
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#64
Tetrachloroethene
Concen: 47.741 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	99.1	148.7
129	92.4	69.5	104.3
131	91.7	69.2	103.8





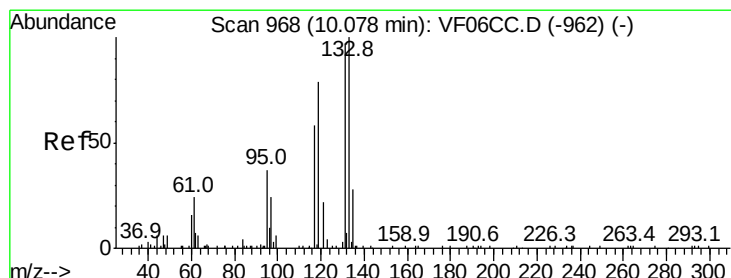
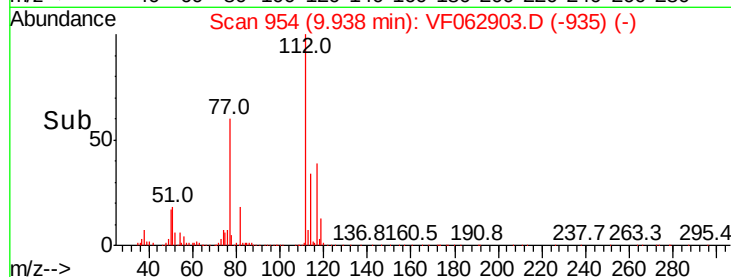
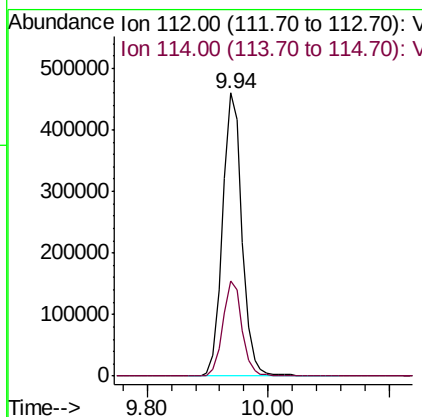
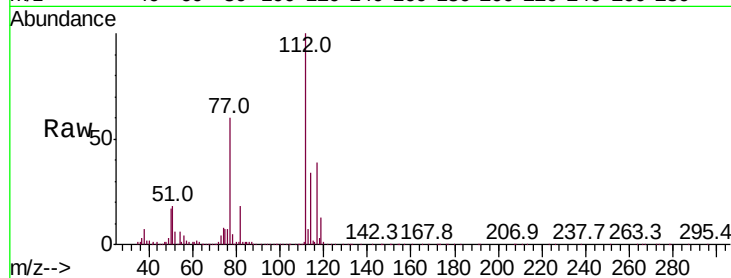
#65
Chlorobenzene
Concen: 51.039 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1024604
Ion Ratio Lower Upper
112 100
114 33.9 27.4 41.0

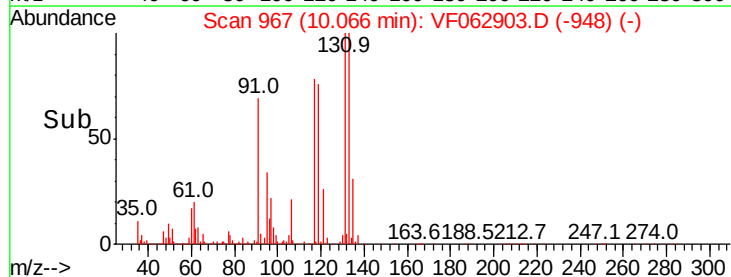
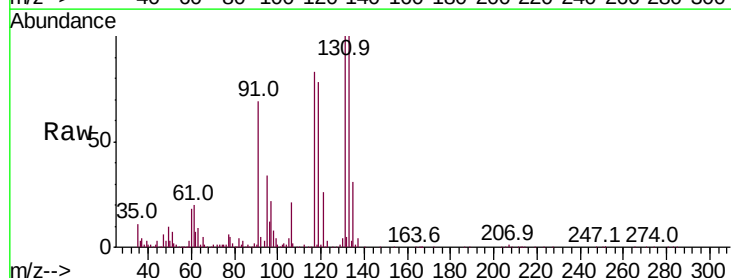
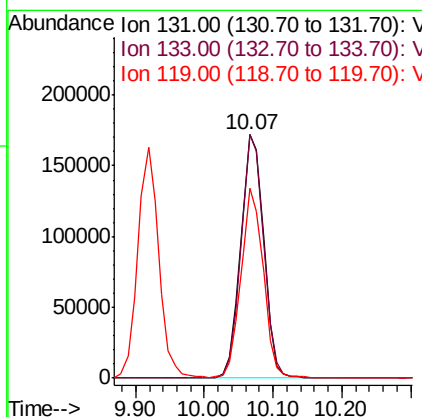
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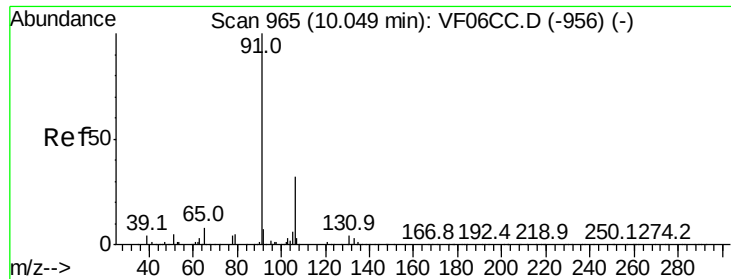
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.005 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion:131 Resp: 399791
Ion Ratio Lower Upper
131 100
133 100.1 48.9 146.7
119 77.9 38.0 114.0





#67

Ethyl Benzene

Concen: 50.377 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1735473

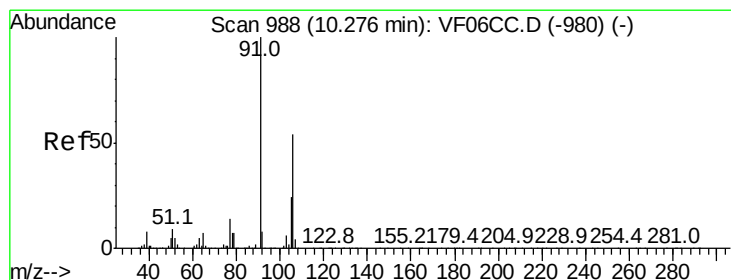
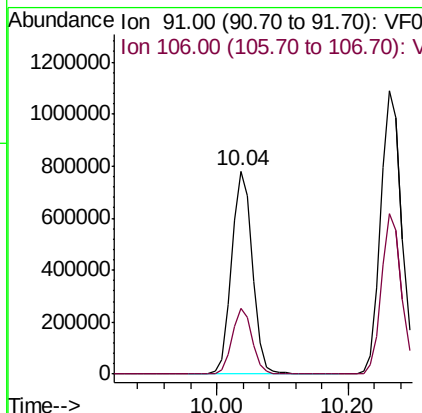
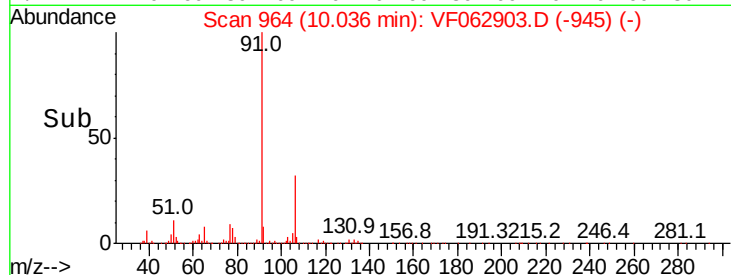
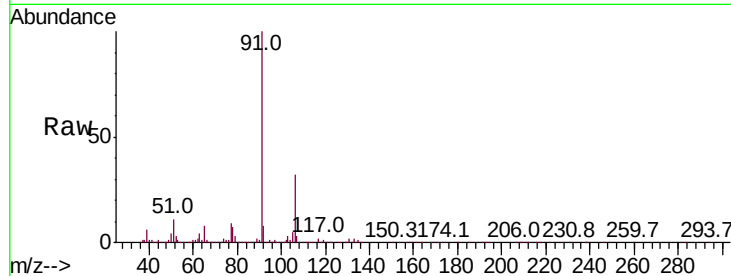
Ion Ratio Lower Upper

91 100

106 32.3 26.0 39.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 98.759 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062903.D

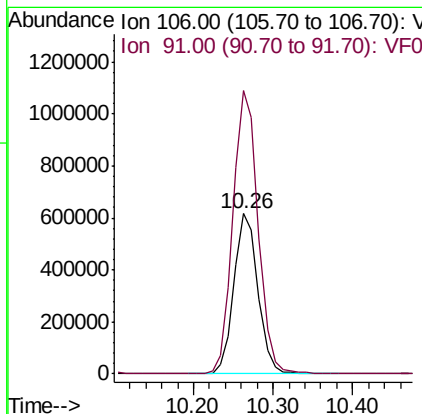
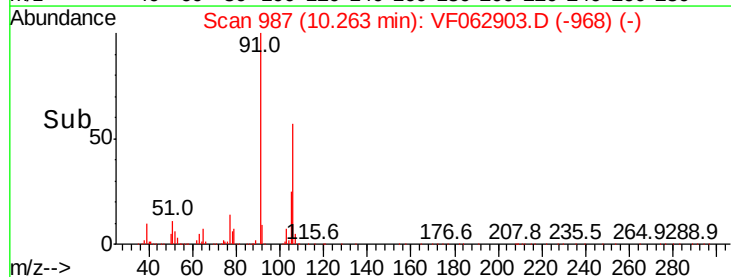
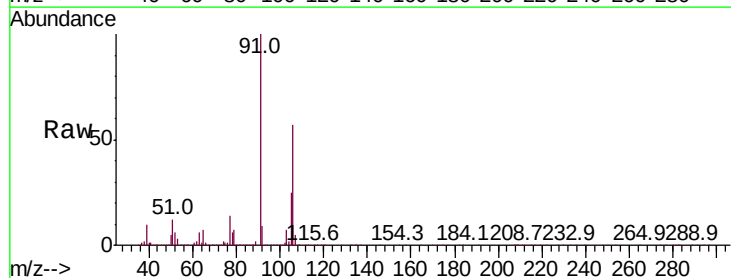
Acq: 7 Jun 2019 17:39

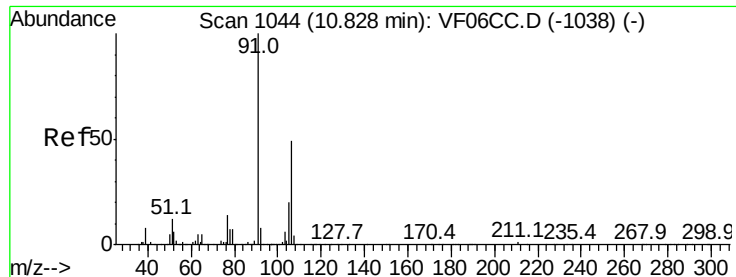
Tgt Ion: 106 Resp: 1301897

Ion Ratio Lower Upper

106 100

91 176.8 136.2 204.4





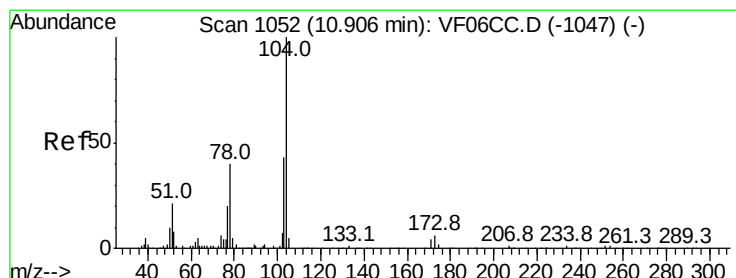
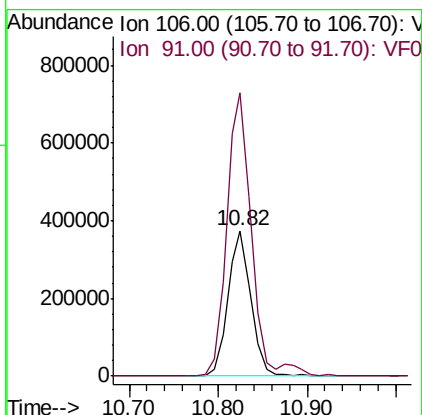
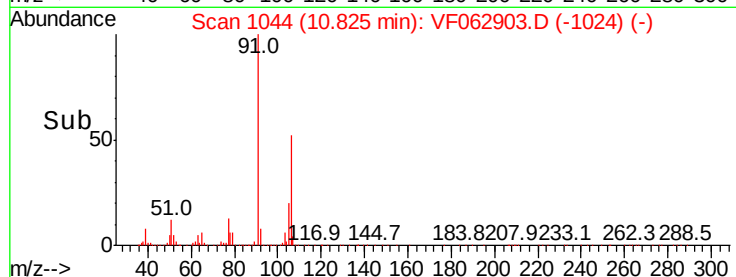
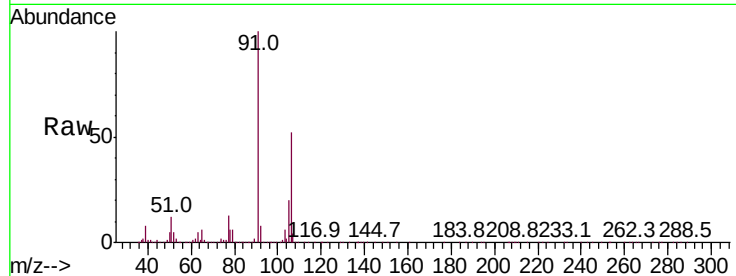
#69
o-Xylene
Concen: 50.970 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	194.2	96.6	289.8

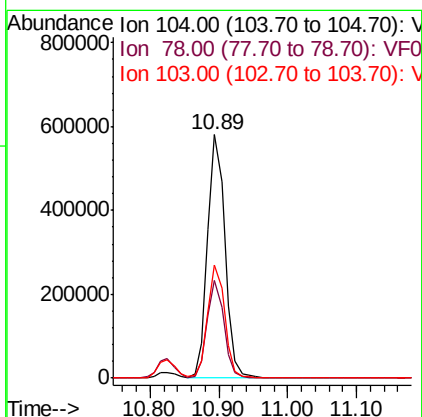
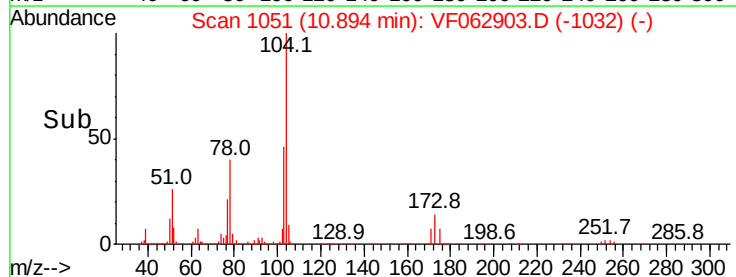
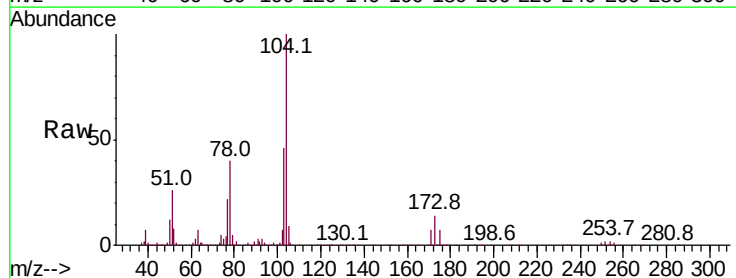
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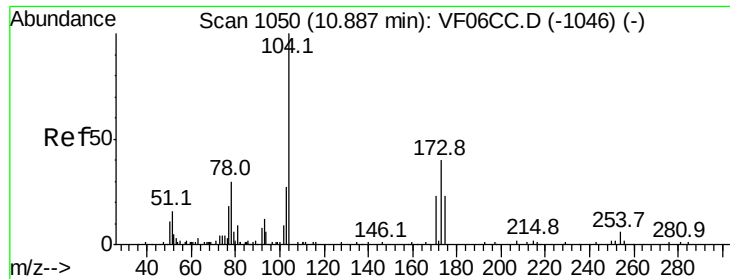
MMDadoda
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#70
Styrene
Concen: 52.286 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.1	30.8	46.2
103	46.2	35.8	53.6





#71

Bromoform

Concen: 57.302 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 219773

Ion Ratio Lower Upper

173 100

175 51.0 24.6 74.0

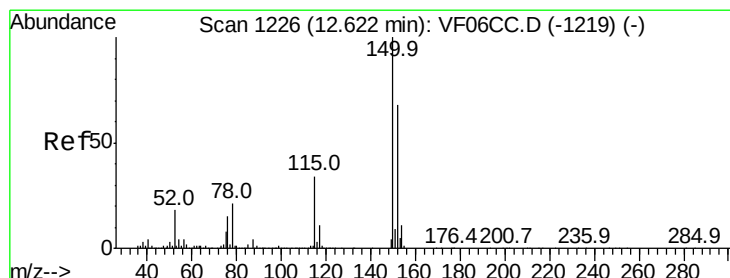
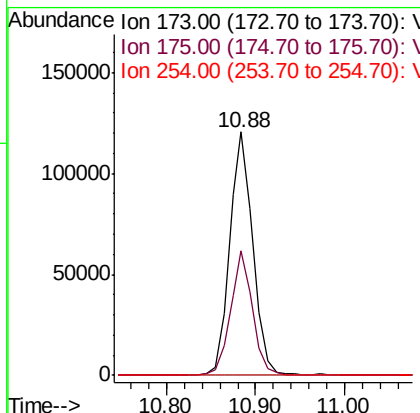
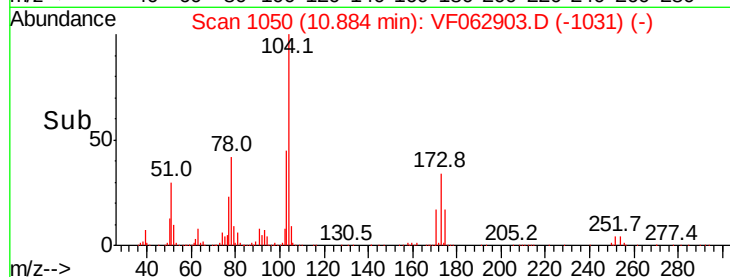
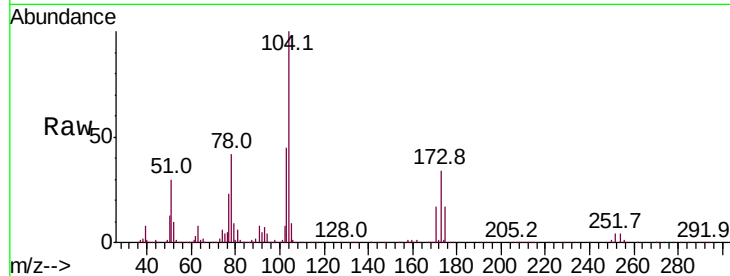
254 0.0 0.1 0.1#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

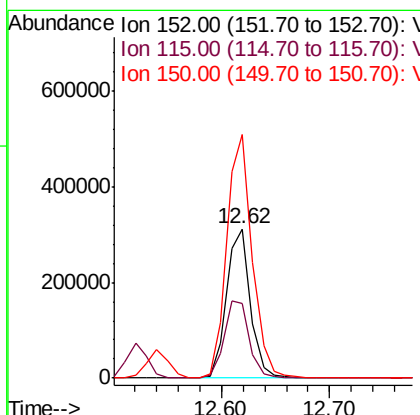
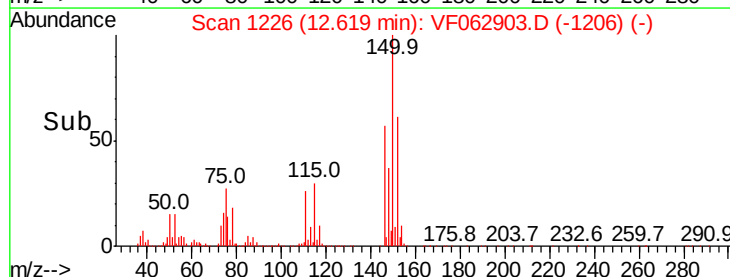
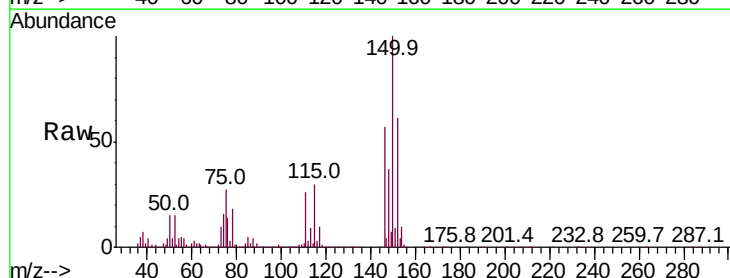
Tgt Ion:152 Resp: 479346

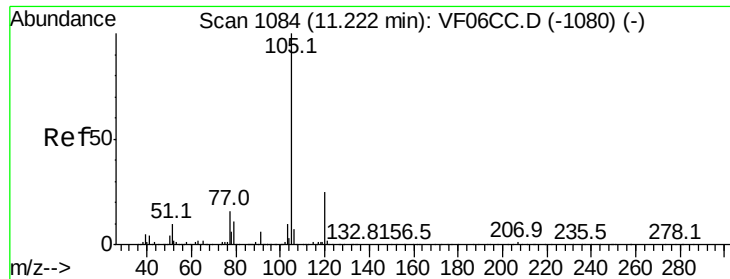
Ion Ratio Lower Upper

152 100

115 49.7 24.6 74.0

150 163.3 0.0 290.6





#73

Isopropylbenzene

Concen: 50.312 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1682759

Ion Ratio Lower Upper

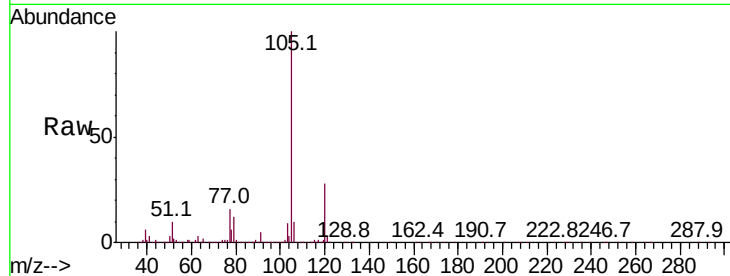
105 100

120 28.4 15.1 45.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

1000000

800000

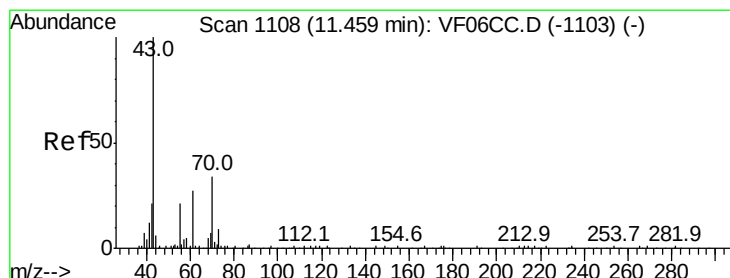
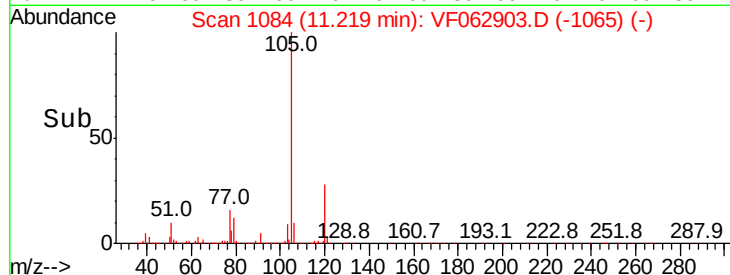
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.886 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion: 43 Resp: 498543

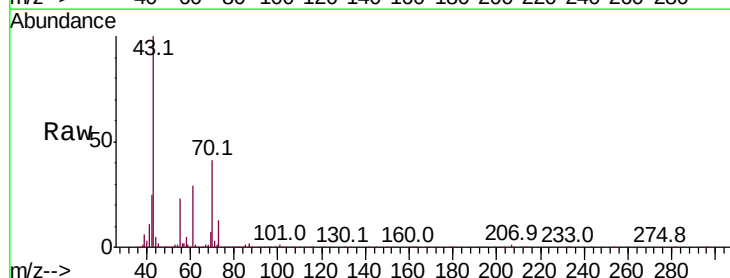
Ion Ratio Lower Upper

43 100

70 41.1 32.9 49.3

55 22.8 17.3 25.9

61 28.6 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

400000

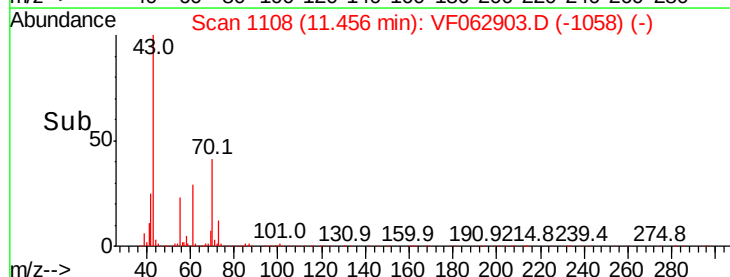
300000

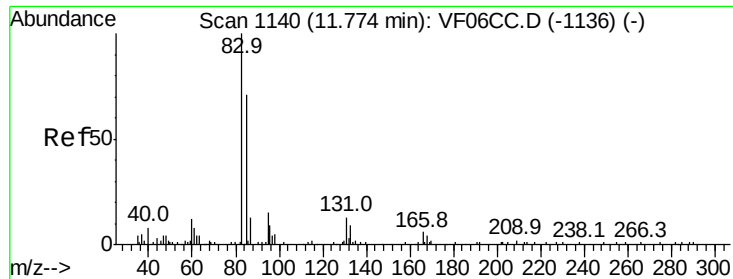
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.471 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 389068

Ion Ratio Lower Upper

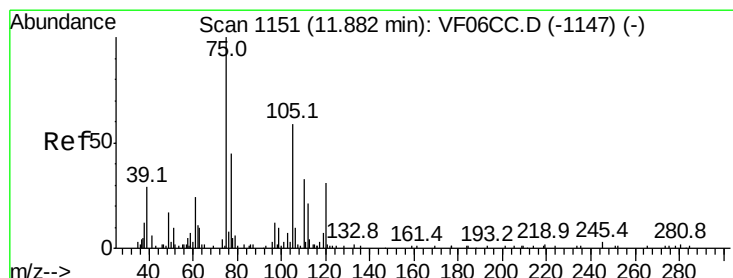
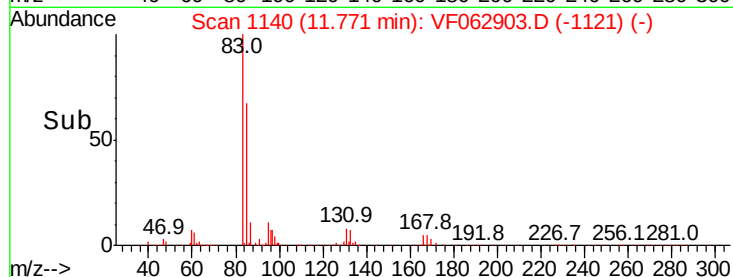
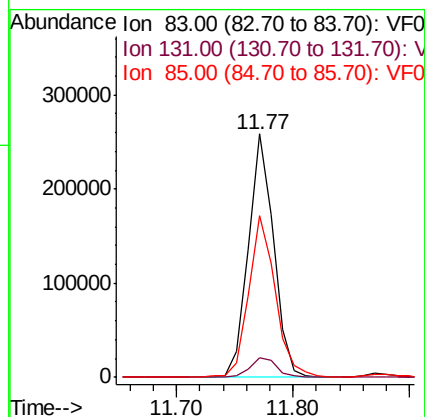
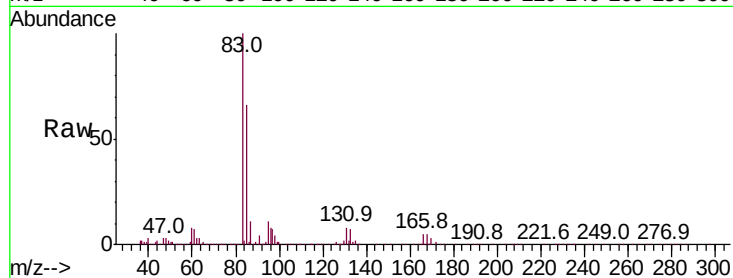
83 100

131 8.1 4.9 14.7

85 66.4 32.1 96.5

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#76

1,2,3-Trichloropropane

Concen: 53.237 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062903.D

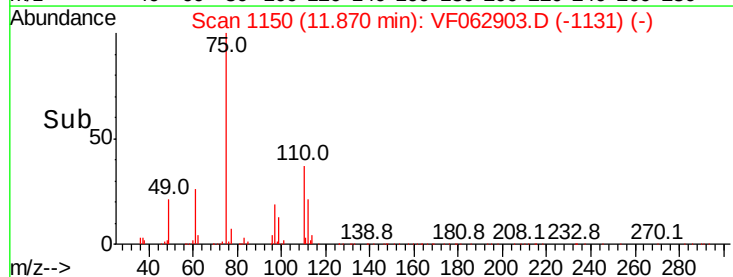
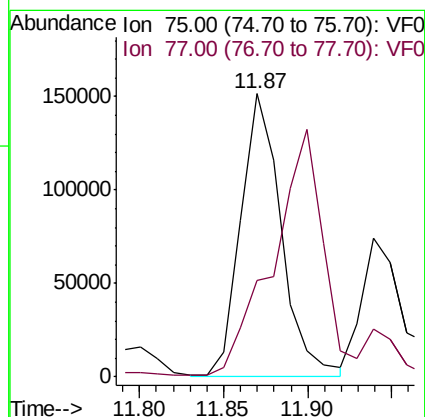
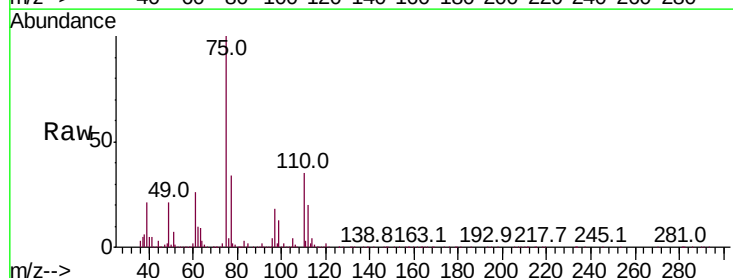
Acq: 7 Jun 2019 17:39

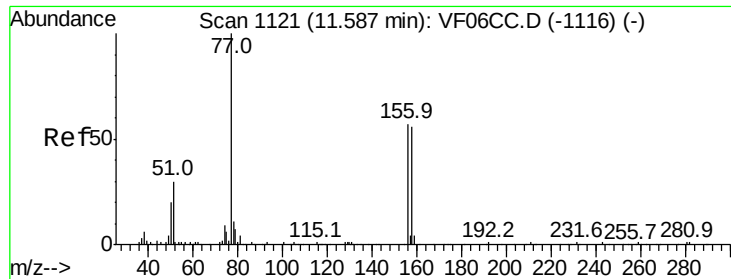
Tgt Ion: 75 Resp: 252052

Ion Ratio Lower Upper

75 100

77 34.2 20.1 60.2





#77

Bromobenzene

Concen: 50.633 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

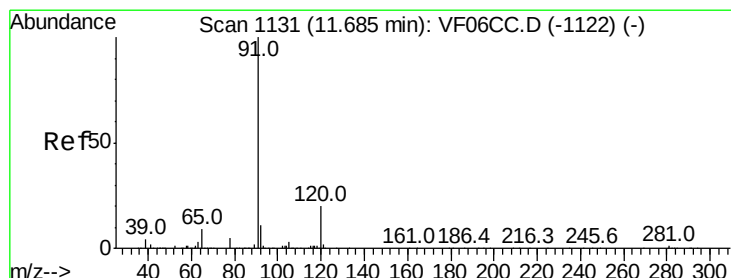
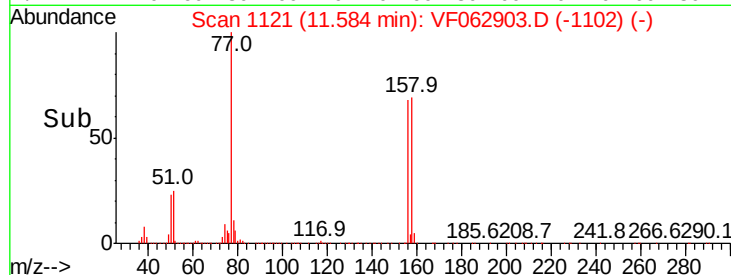
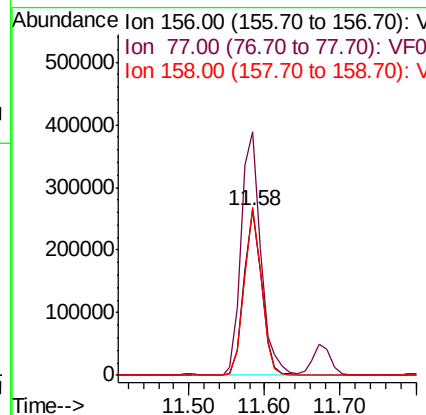
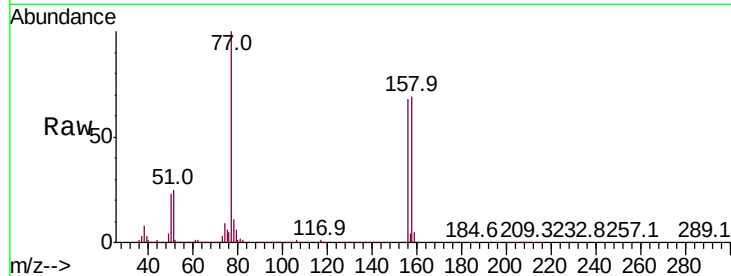
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	425513
Ion Ratio	Lower	Upper	
156	100		
77	147.2	64.2	192.6
158	101.3	50.3	151.0

Manual Integrations
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#78

n-propylbenzene

Concen: 49.399 ug/l

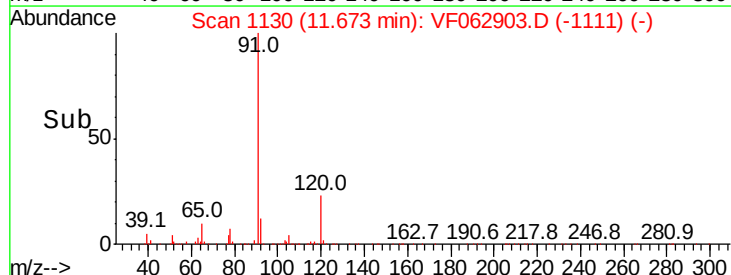
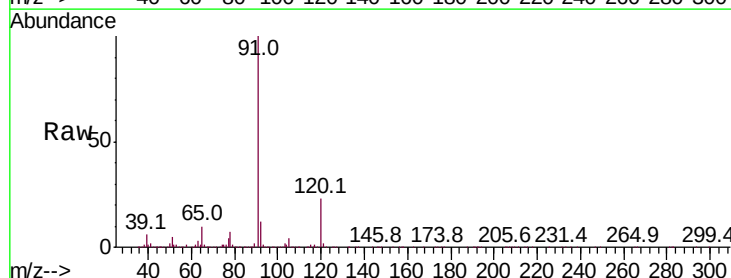
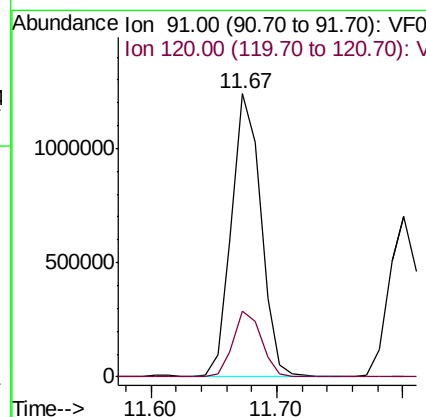
RT: 11.67 min Scan# 1130

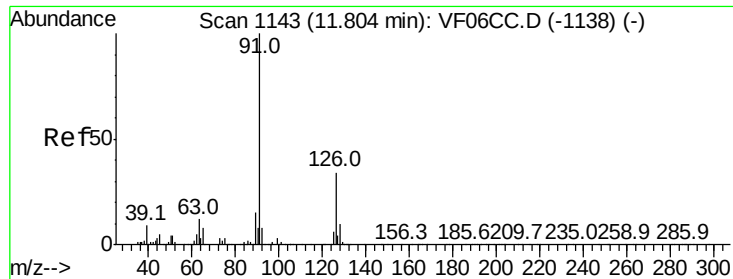
Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion:	91	Resp:	1994964
Ion Ratio	Lower	Upper	
91	100		
120	23.5	12.8	38.4





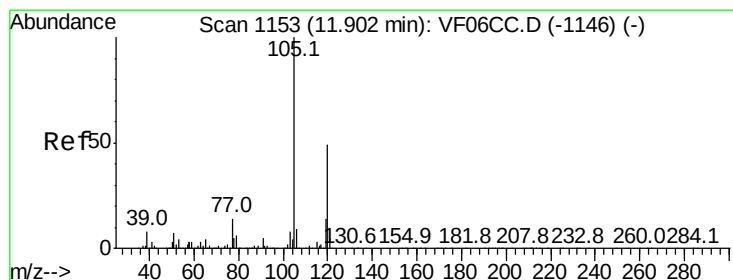
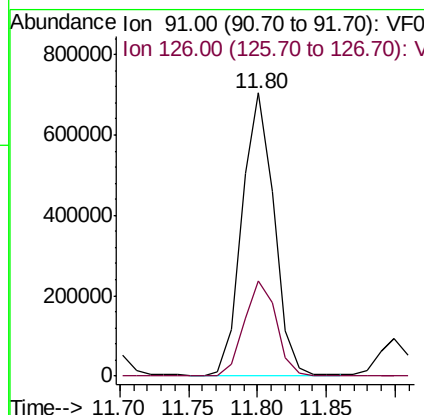
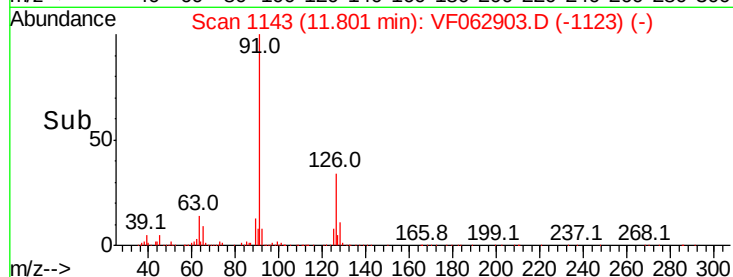
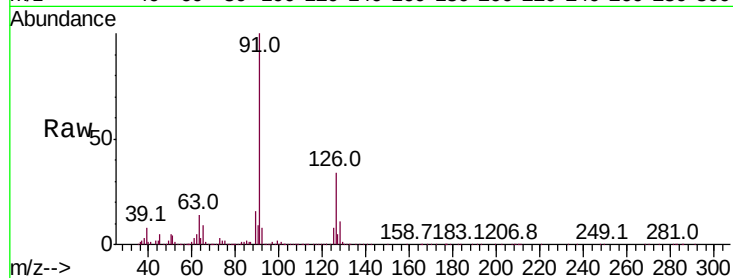
#79
 2-Chlorotoluene
 Concen: 49.054 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1133532
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.8 53.3

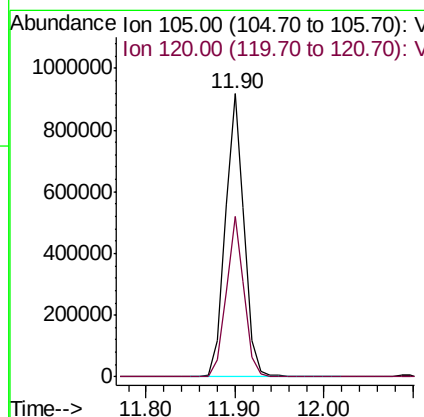
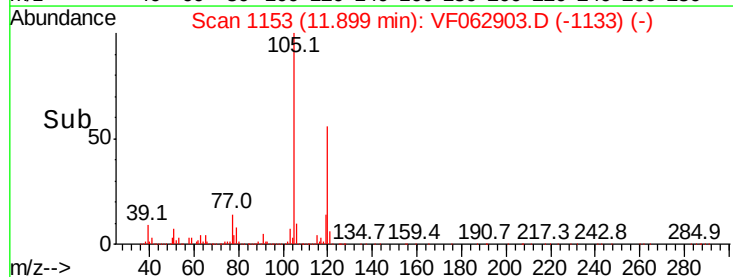
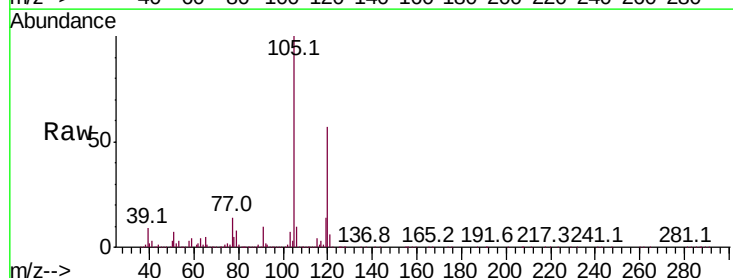
Manual Integrations
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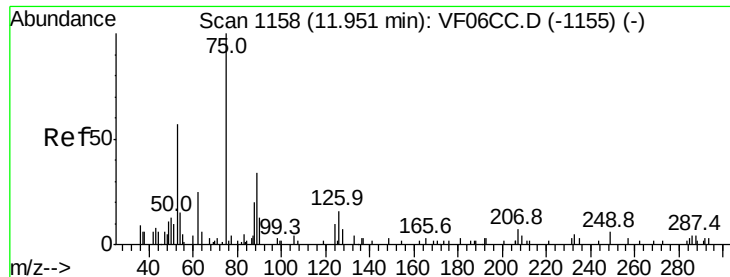
MMDadoda
 6/10/2019 12:25:48 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.654 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion: 105 Resp: 1358165
 Ion Ratio Lower Upper
 105 100
 120 56.9 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 61.307 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

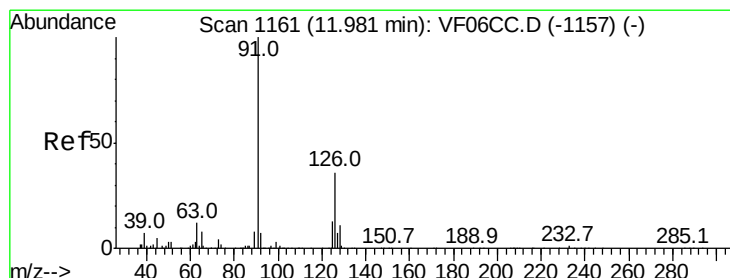
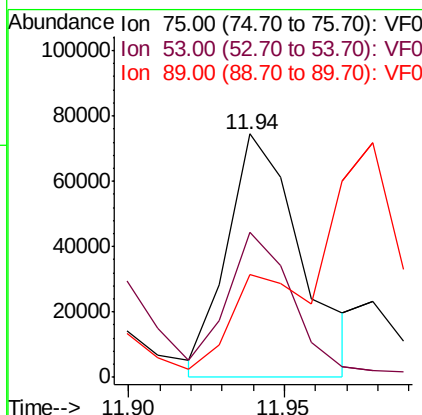
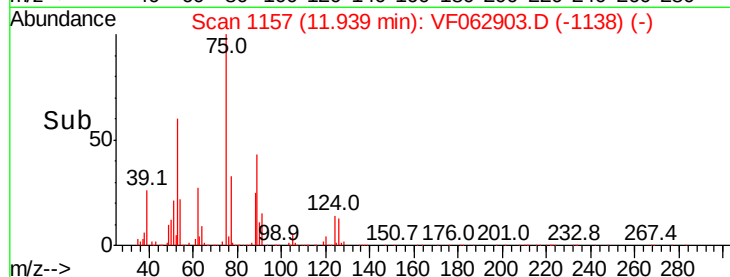
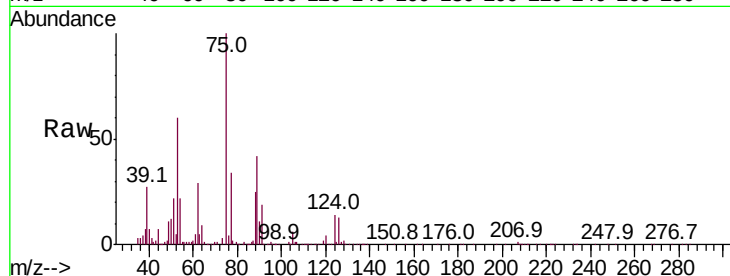
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	122888
Ion Ratio	Lower	Upper	
75	100		
53	59.5	43.5	65.3
89	42.5	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.071 ug/l

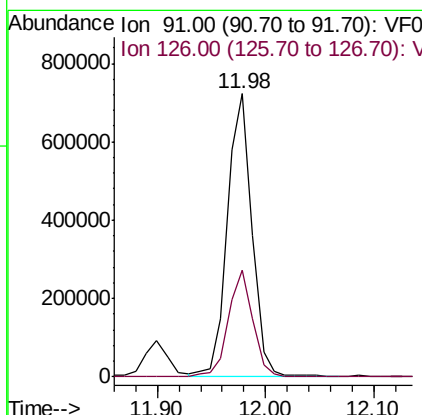
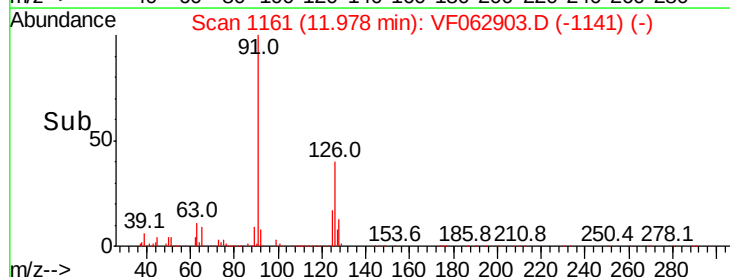
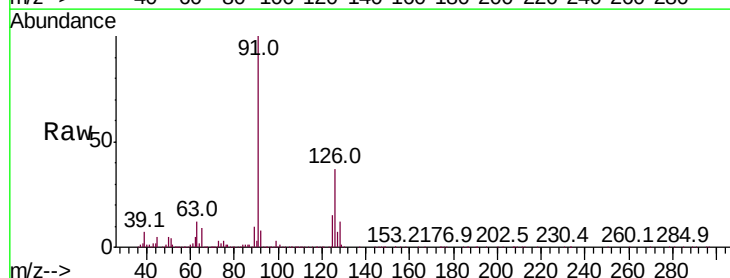
RT: 11.98 min Scan# 1161

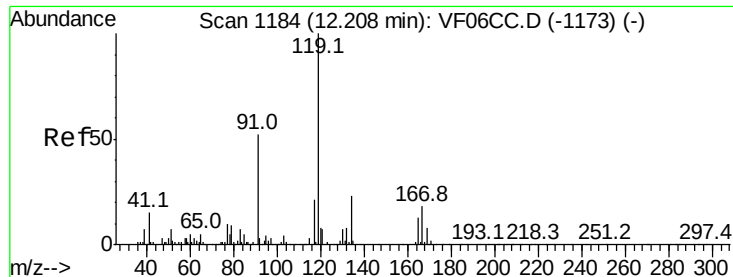
Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion:	91	Resp:	1137081
Ion Ratio	Lower	Upper	
91	100		
126	37.5	19.1	57.1





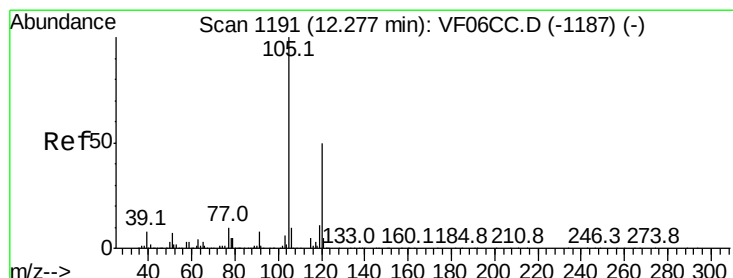
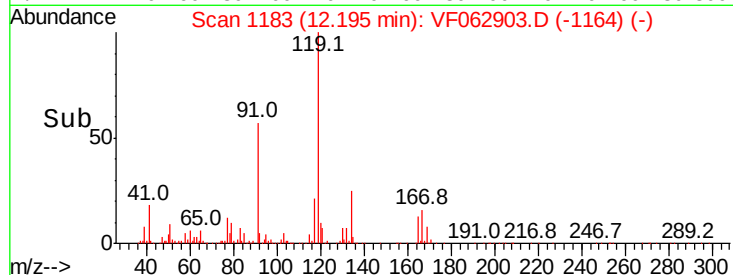
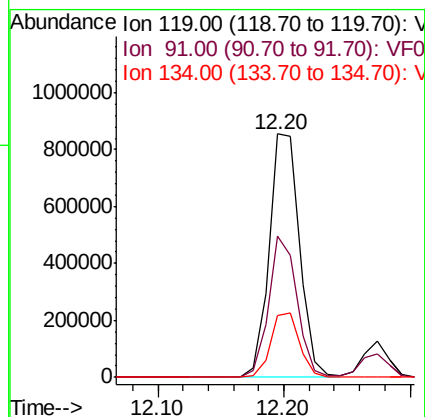
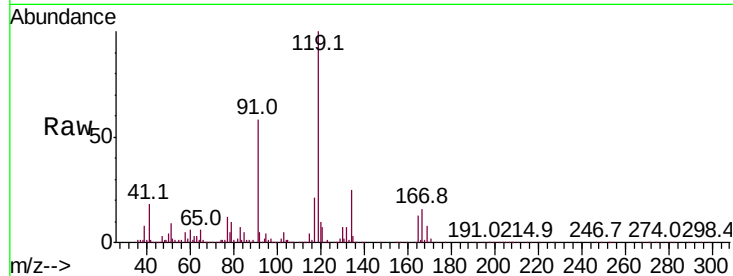
#83
tert-Butylbenzene
Concen: 52.901 ug/l
RT: 12.20 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.2	28.9	86.7
134	25.4	14.3	42.9

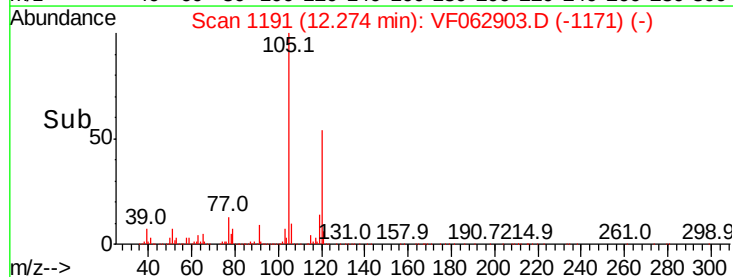
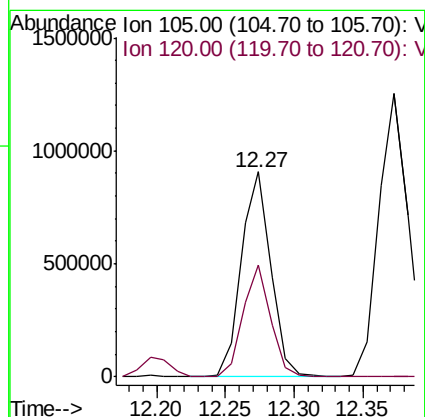
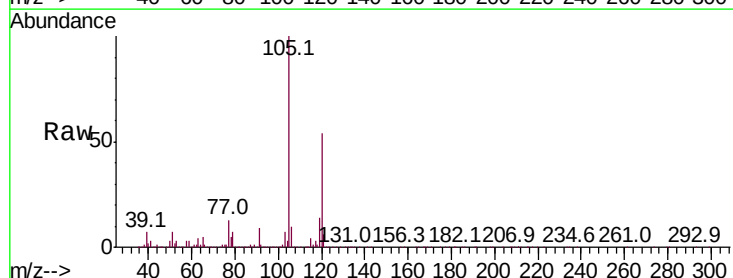
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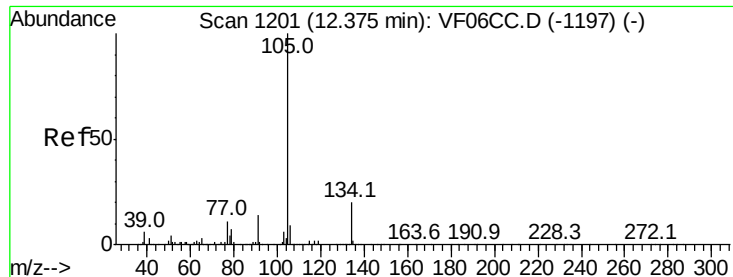
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#84
1,2,4-Trimethylbenzene
Concen: 51.992 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	54.4	27.1	81.3





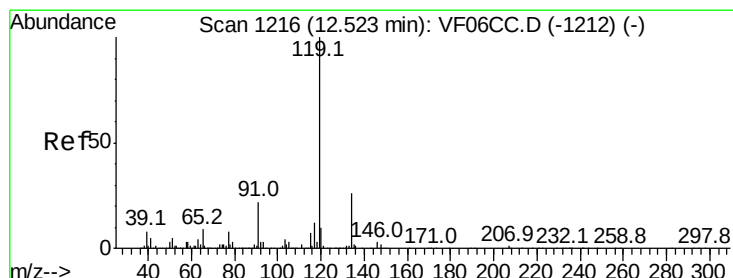
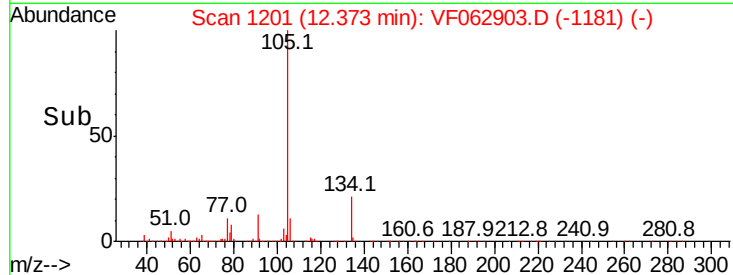
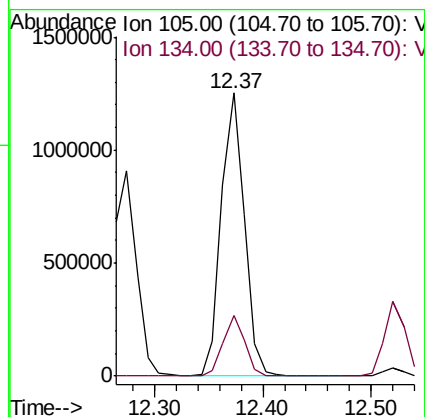
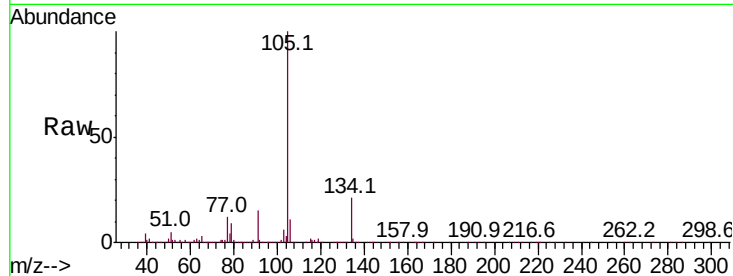
#85
 sec-Butylbenzene
 Concen: 52.143 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1862179
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.5 31.6

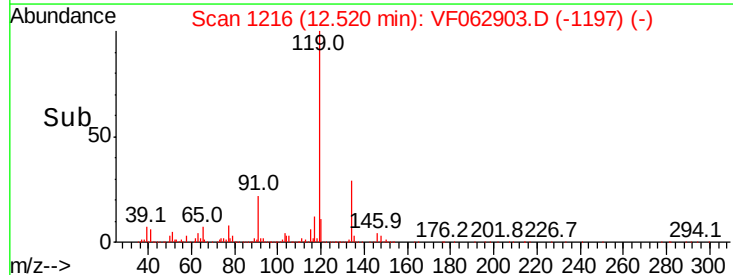
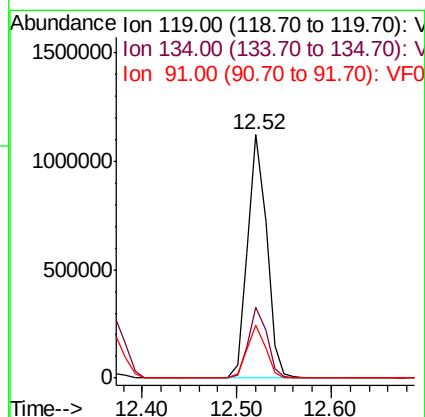
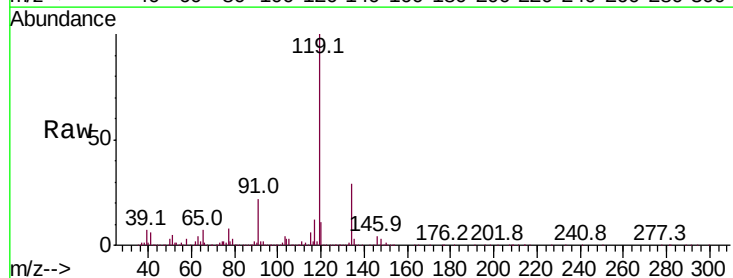
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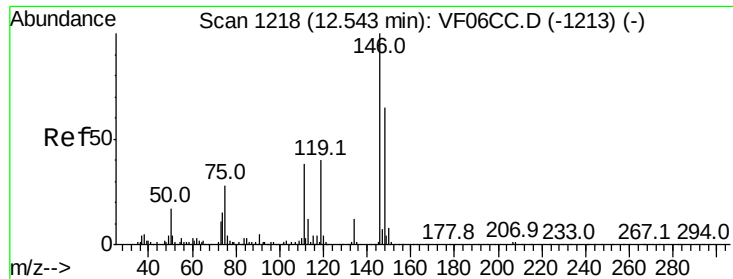
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#86
 p-Isopropyltoluene
 Concen: 53.122 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion:119 Resp: 1579110
 Ion Ratio Lower Upper
 119 100
 134 29.2 15.5 46.5
 91 21.6 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 50.818 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF062903.D

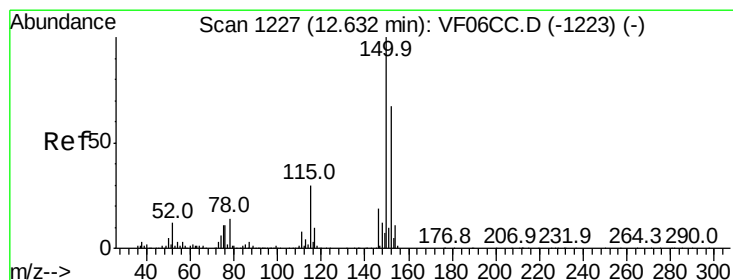
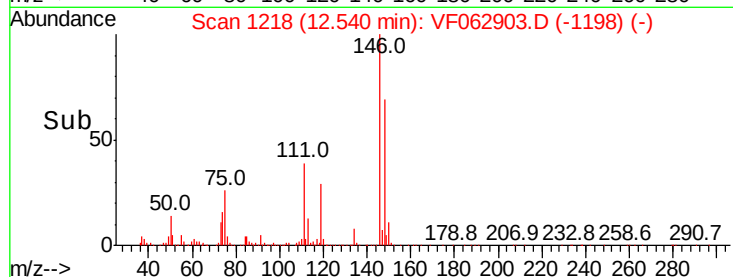
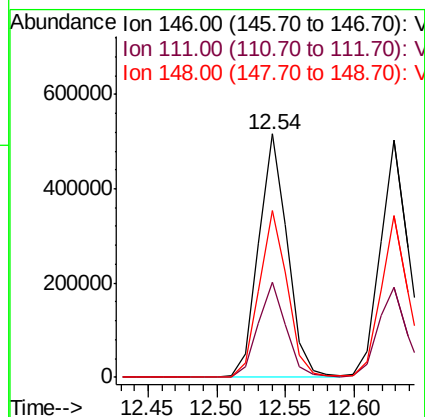
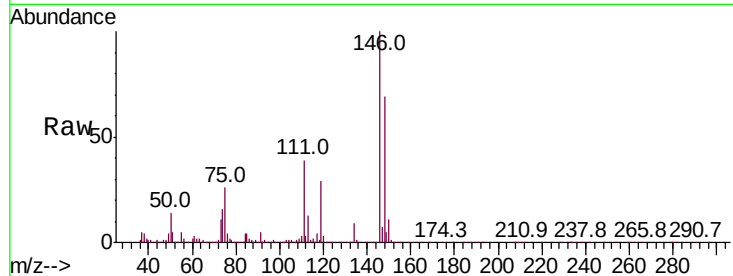
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	68.7	34.2	102.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.085 ug/l

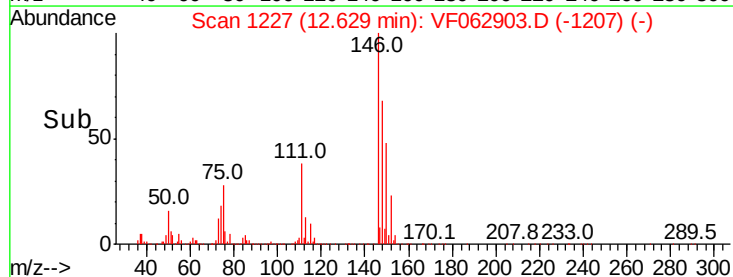
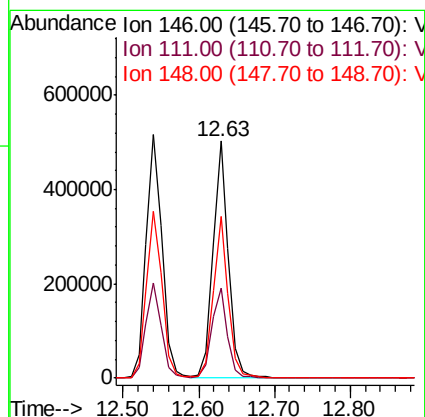
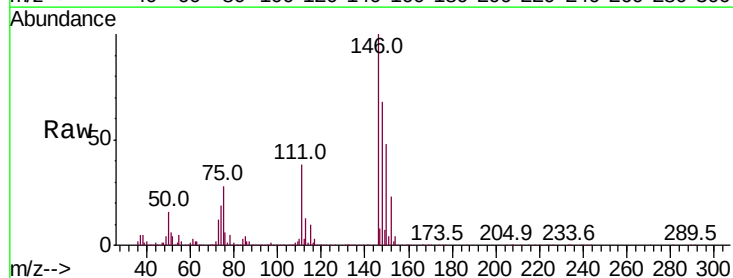
RT: 12.63 min Scan# 1227

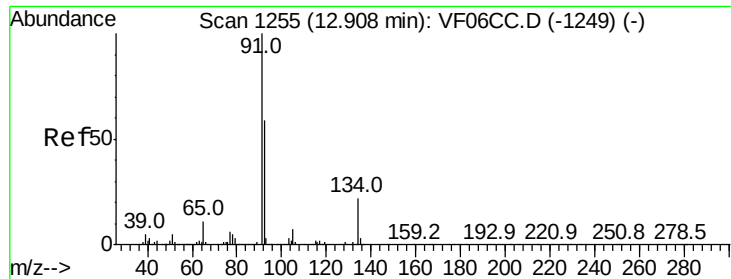
Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.3	60.9
148	68.4	34.0	101.8





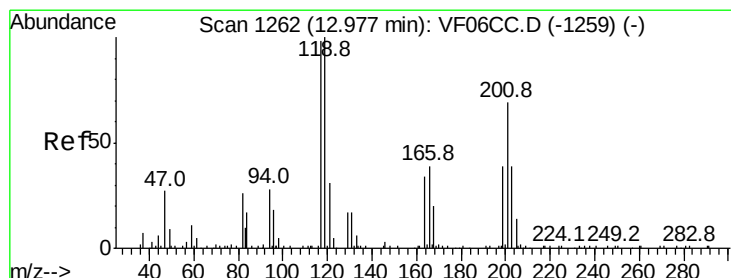
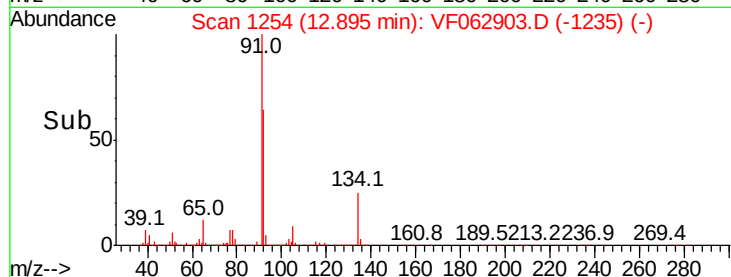
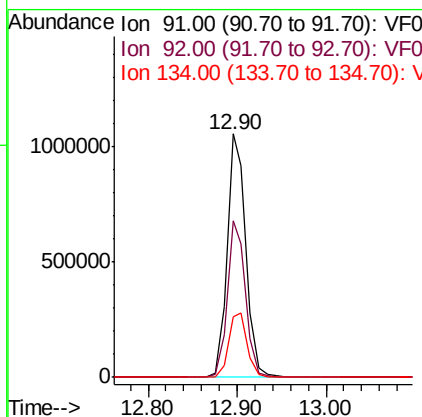
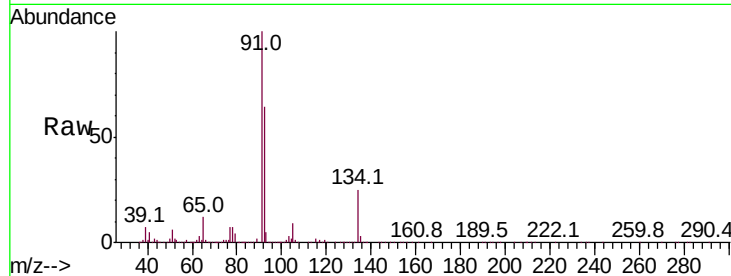
#89
n-Butylbenzene
Concen: 52.134 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.4	34.2	102.6
134	25.0	15.8	47.3

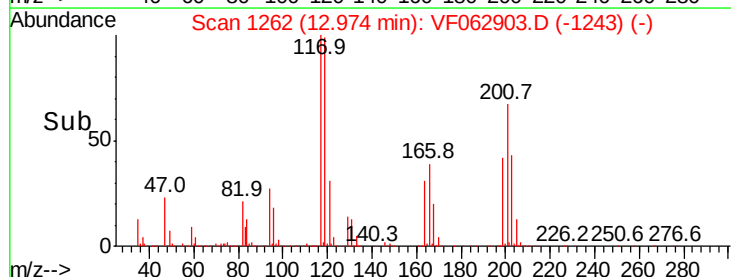
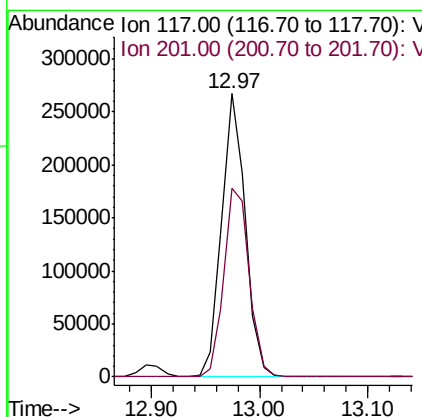
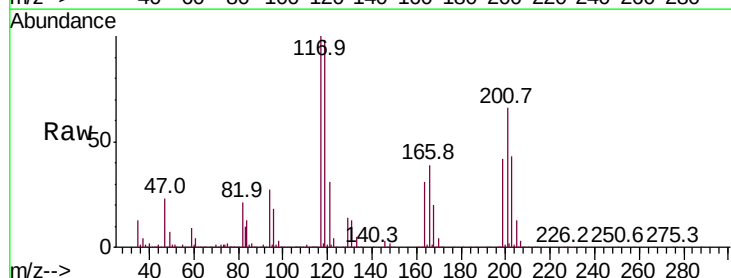
Manual Integrations
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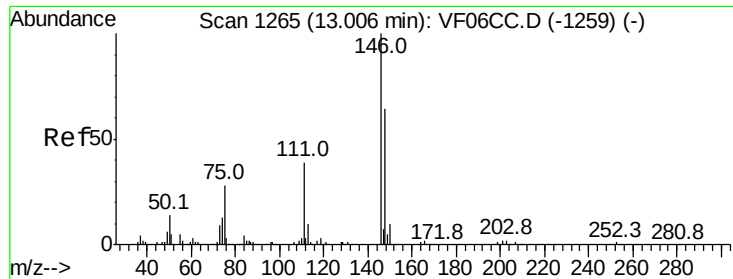
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#90
Hexachloroethane
Concen: 55.923 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.5	38.9	116.7





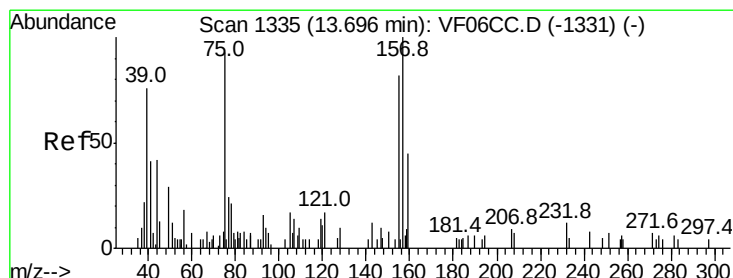
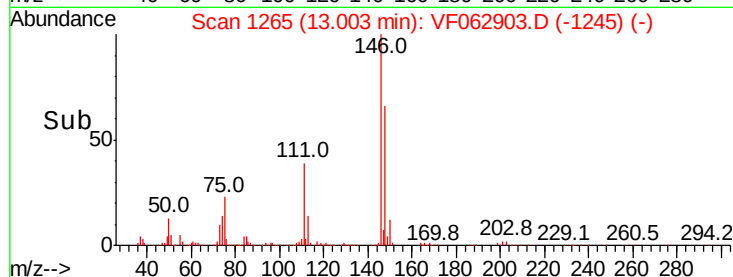
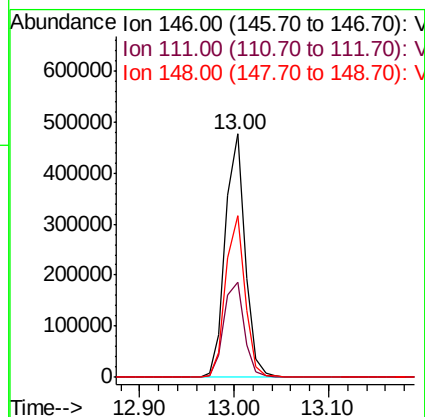
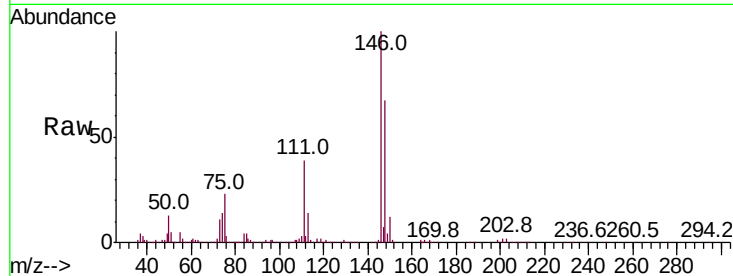
#91
 1,2-Dichlorobenzene
 Concen: 53.000 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.4	61.3
148	66.5	34.1	102.3

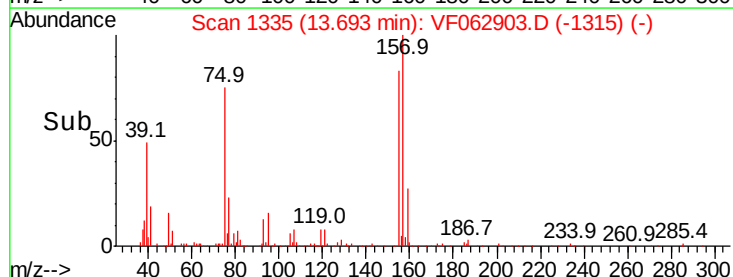
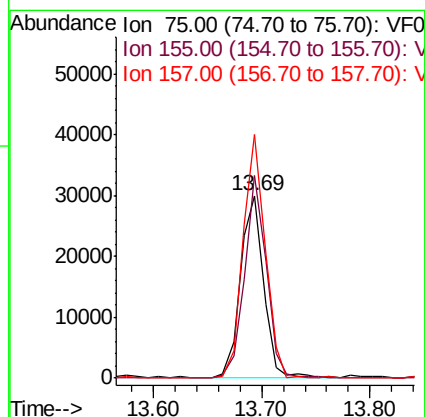
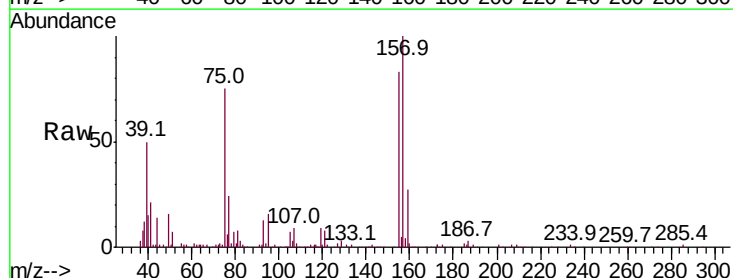
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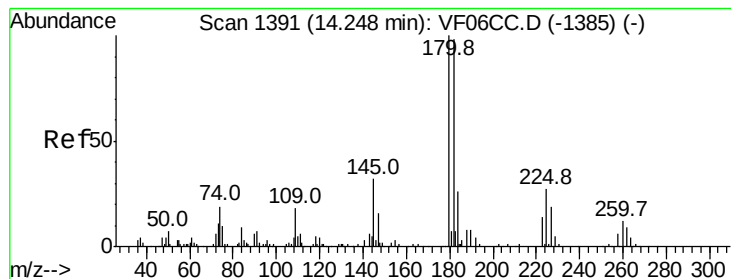
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.790 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.7	51.7	155.1
157	133.2	66.8	200.6





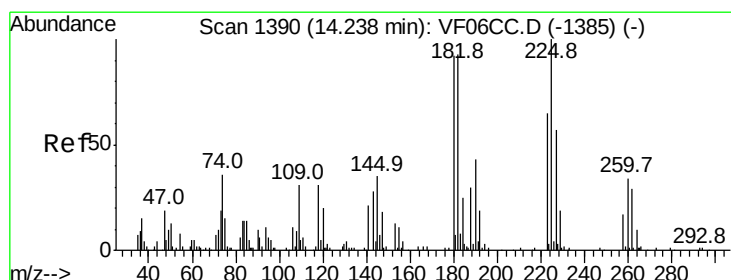
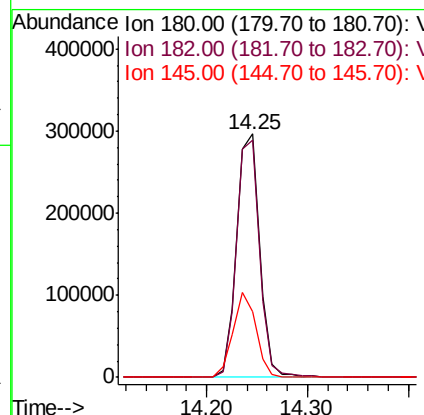
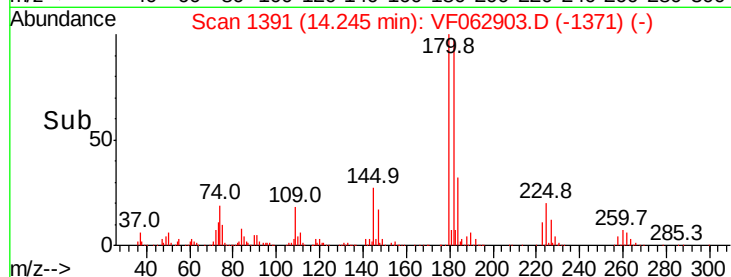
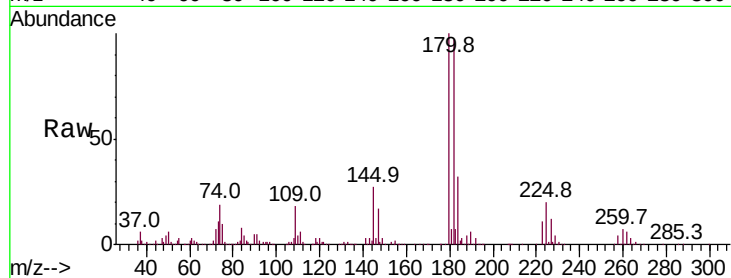
#93
 1,2,4-Trichlorobenzene
 Concen: 52.406 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	50.3	150.9
145	27.2	15.4	46.2

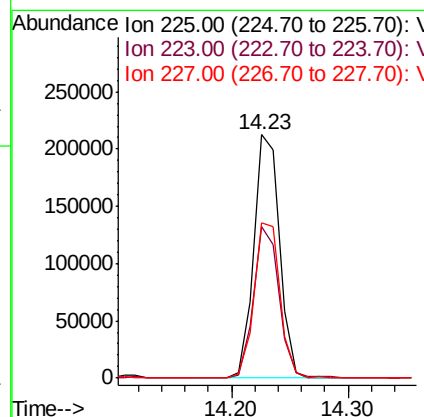
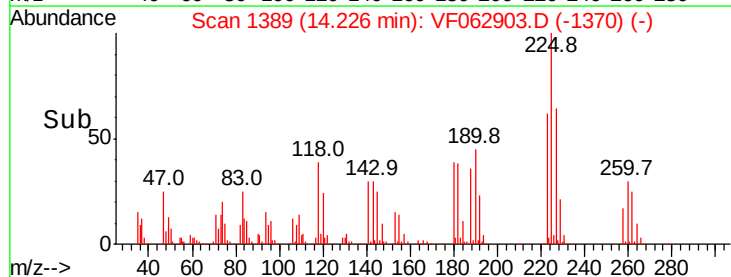
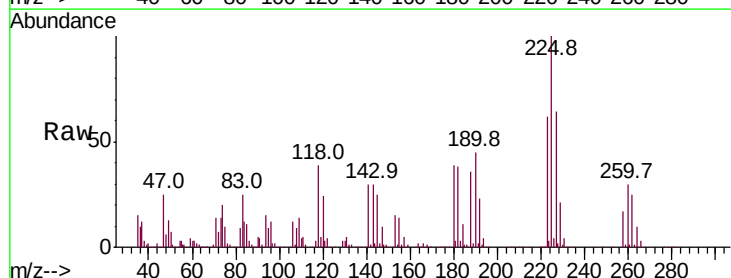
Manual Integrations
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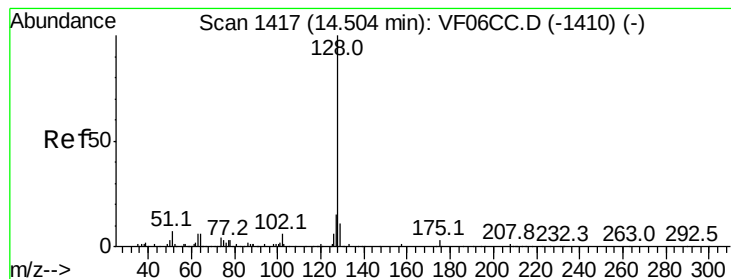
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 6/10/2019 12:25:48 PM



#94
 Hexachlorobutadiene
 Concen: 52.456 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.8	92.4
227	64.0	31.9	95.5





#95

Naphthalene

Concen: 55.080 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

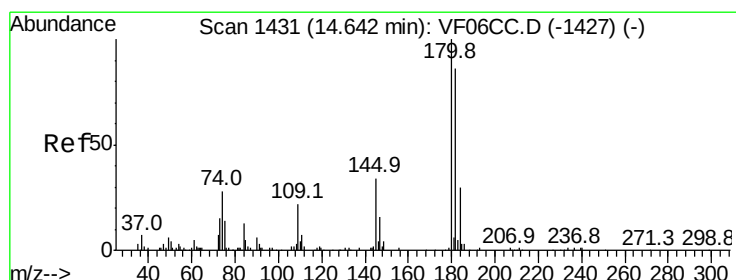
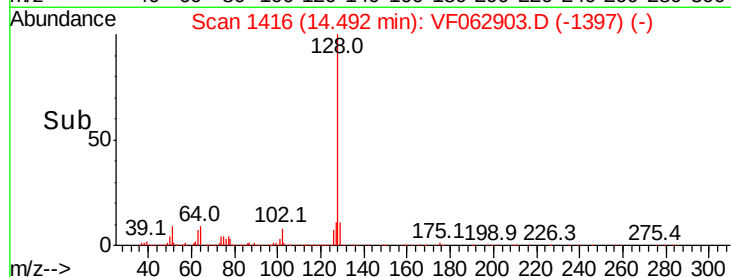
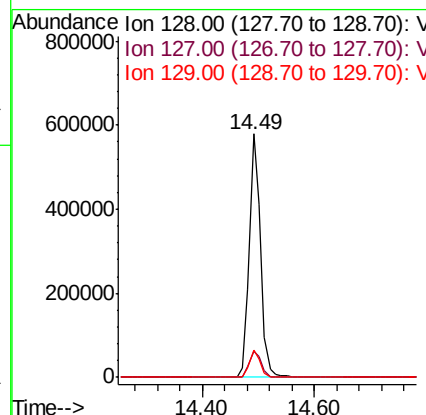
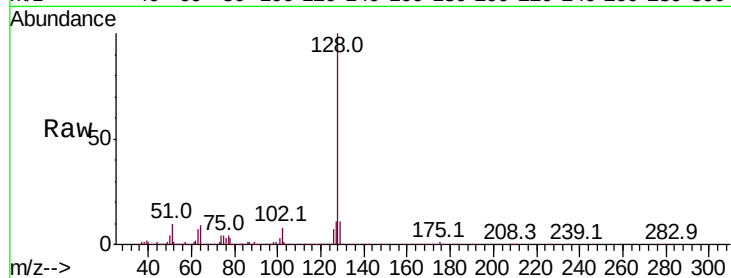
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	807116
Ion Ratio	Lower	Upper	
128	100		
127	10.7	9.7	14.5
129	11.0	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:25:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.681 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion:	180	Resp:	430126
Ion Ratio	Lower	Upper	
180	100		
182	98.8	48.6	145.9
145	29.0	15.7	47.0

