

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062836.D
 Acq On : 4 Jun 2019 13:16
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 8:48:57 AM

Quant Time: Jun 05 05:35:56 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	5.05	168	961617	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1529479	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	1265664	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	598559	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	334346	50.28	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	4.30	113	590429	51.09	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	7.70	98	1590333	54.41	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.82%	
62) 4-Bromofluorobenzene	11.49	95	562972	53.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	488406	44.406	ug/l	98
3) Chloromethane	1.15	50	398356	40.036	ug/l	96
4) Vinyl Chloride	1.19	62	410121	41.478	ug/l	94
5) Bromomethane	1.41	94	266757	47.307	ug/l	99
6) Chloroethane	1.44	64	172389	46.631	ug/l #	86
7) Trichlorofluoromethane	1.56	101	654614	46.766	ug/l	94
8) Diethyl Ether	1.71	74	125523	45.580	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.92	101	399242	45.367	ug/l	99
10) Methyl Iodide	1.99	142	808402	45.814	ug/l	99
11) Tert butyl alcohol	2.70	59	98106	243.543	ug/l	98
12) 1,1-Dichloroethene	1.87	96	360602	45.126	ug/l	96
13) Acrolein	2.10	56	39186	243.282	ug/l #	81
14) Allyl chloride	2.19	41	281499	45.407	ug/l	94
15) Acrylonitrile	3.09	53	269222	177.861	ug/l #	89
16) Acetone	2.34	43	345776	227.192	ug/l	98
17) Carbon Disulfide	1.92	76	1012430	43.348	ug/l	95
18) Methyl Acetate	2.46	43	111339	41.863	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	677289	46.782	ug/l	98
20) Methylene Chloride	2.35	84	345179m	44.992	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	366566	45.751	ug/l	98
22) Diisopropyl ether	2.93	45	799113	45.370	ug/l	94
23) Vinyl Acetate	3.35	43	2905474	240.956	ug/l	97
24) 1,1-Dichloroethane	3.01	63	602673	45.828	ug/l	97
25) 2-Butanone	4.52	43	819977	231.352	ug/l	97
26) 2,2-Dichloropropane	3.78	77	369766	49.520	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	628564	46.670	ug/l	99
28) Bromochloromethane	3.90	49	378930	52.973	ug/l	96
29) Tetrahydrofuran	4.26	42	325924	240.430	ug/l	98
30) Chloroform	4.05	83	893965	48.233	ug/l	99
31) Cyclohexane	3.88	56	807740	45.368	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	585955	54.300	ug/l	99
36) 1,1-Dichloropropene	4.47	75	703534	49.966	ug/l	98
37) Ethyl Acetate	4.30	43	278733	51.786	ug/l	88
38) Carbon Tetrachloride	4.18	117	518947	54.534	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	897538	51.217	ug/l	99
40) Benzene	4.82	78	2035426	49.670	ug/l	97
41) Methacrylonitrile	4.92	41	148428	49.605	ug/l	97
42) 1,2-Dichloroethane	5.12	62	408754	52.446	ug/l	96
43) Isopropyl Acetate	7.11	43	379424	53.364	ug/l	99
44) Trichloroethene	5.68	130	589157	50.943	ug/l	99
45) 1,2-Dichloropropane	6.40	63	540474	52.558	ug/l	95
46) Dibromomethane	6.26	93	311682	51.913	ug/l	93
47) Bromodichloromethane	6.55	83	634086	51.858	ug/l	97
48) Methyl methacrylate	6.88	41	195796	53.433	ug/l	96
49) 1,4-Dioxane	6.87	88	47574	984.968	ug/l	88
51) 4-Methyl-2-Pentanone	8.39	43	1341466	264.264	ug/l	100
52) Toluene	7.77	92	1180112	53.467	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	561613	55.429	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	787852	53.718	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	354647	53.784	ug/l	98
56) Ethyl methacrylate	8.75	69	388382	54.895	ug/l	96
57) 1,3-Dichloropropane	9.00	76	593500	55.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	636159	257.279	ug/l	98
59) 2-Hexanone	9.62	43	994188	274.776	ug/l	98
60) Dibromochloromethane	8.86	129	453298	55.527	ug/l	97
61) 1,2-Dibromoethane	9.12	107	372528	54.399	ug/l	96
64) Tetrachloroethene	8.31	164	473135	48.647	ug/l	94
65) Chlorobenzene	9.93	112	1211269	49.557	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	471052	48.391	ug/l	96
67) Ethyl Benzene	10.03	91	2007969	47.873	ug/l	100
68) m/p-Xylenes	10.26	106	1538544	95.858	ug/l	97
69) o-Xylene	10.81	106	817993	50.337	ug/l	100
70) Styrene	10.89	104	1174743	49.046	ug/l	100
71) Bromoform	10.88	173	242888	52.014	ug/l #	98
73) Isopropylbenzene	11.21	105	2039005	48.821	ug/l	100
74) N-amyl acetate	11.44	43	555721	47.210	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	428828	48.080	ug/l	95
76) 1,2,3-Trichloropropane	11.86	75	285092	48.222	ug/l	93
77) Bromobenzene	11.58	156	522829	49.822	ug/l	94
78) n-propylbenzene	11.67	91	2375321	47.103	ug/l	98
79) 2-Chlorotoluene	11.79	91	1322006	45.816	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	1595414	46.711	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	135704m	54.217	ug/l	
82) 4-Chlorotoluene	11.97	91	1354631	47.771	ug/l	100
83) tert-Butylbenzene	12.19	119	1643159	48.552	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	1548781	47.826	ug/l	98
85) sec-Butylbenzene	12.37	105	2097684	47.039	ug/l	97
86) p-Isopropyltoluene	12.51	119	1803605	48.590	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	897023	48.469	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	834128	48.295	ug/l	97
89) n-Butylbenzene	12.89	91	1771219	47.436	ug/l	97
90) Hexachloroethane	12.97	117	389556	43.030	ug/l	83
91) 1,2-Dichlorobenzene	13.00	146	774271	47.598	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	49293	50.729	ug/l	85

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QLast Update : Fri May 31 04:18:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	548808	49.137	ug/l	98
94) Hexachlorobutadiene	14.22	225	376960	48.787	ug/l	99
95) Naphthalene	14.49	128	921784	50.376	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	506940	49.723	ug/l	97

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

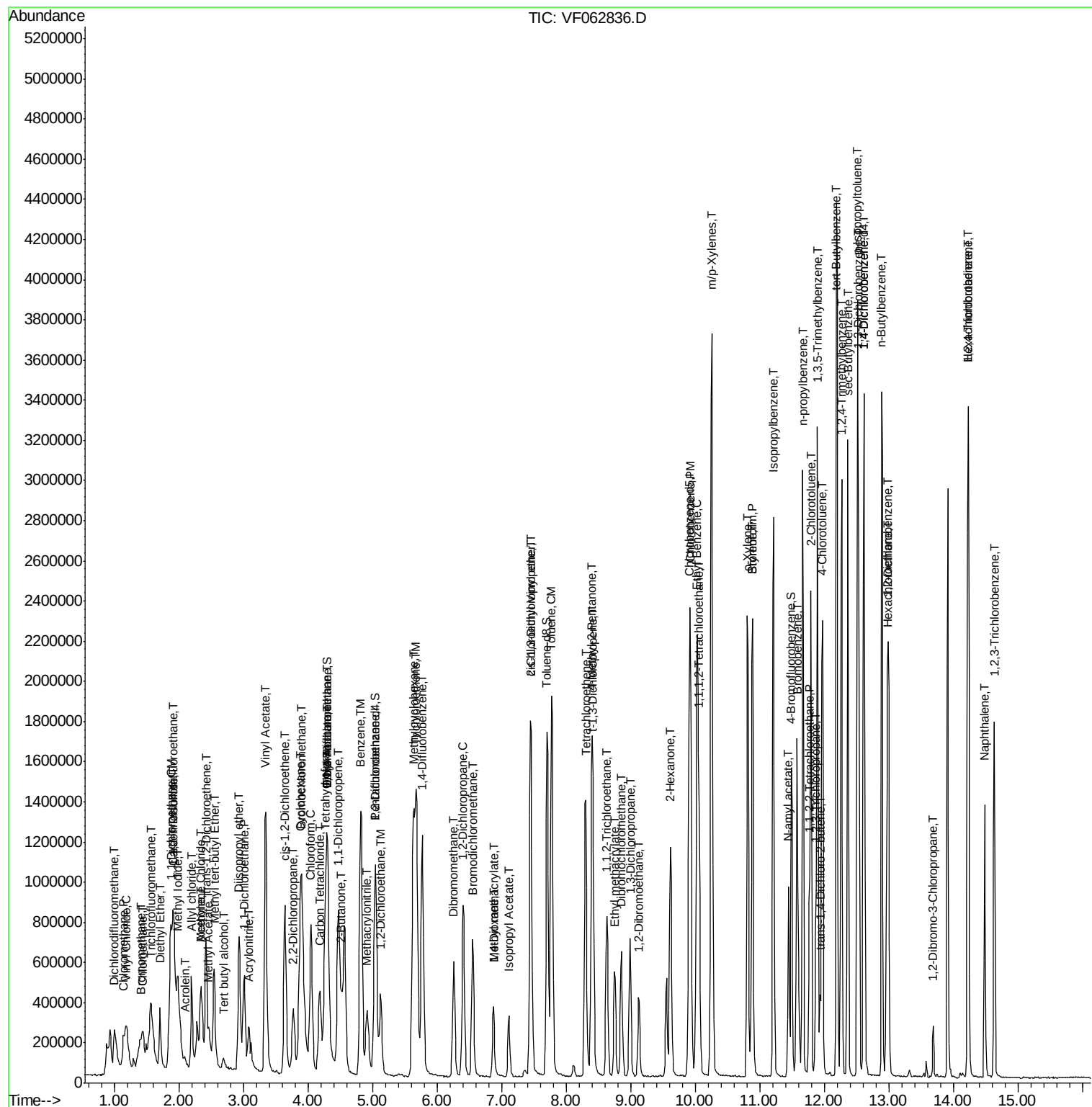
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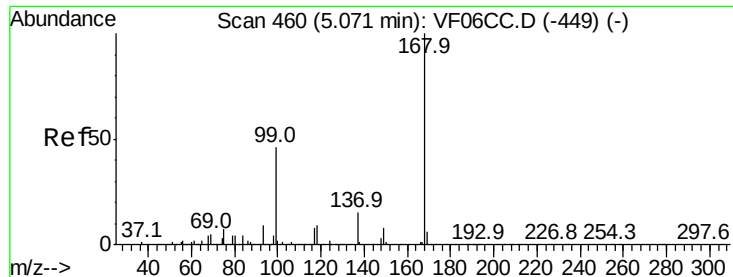
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 961617

Ion Ratio Lower Upper

168 100

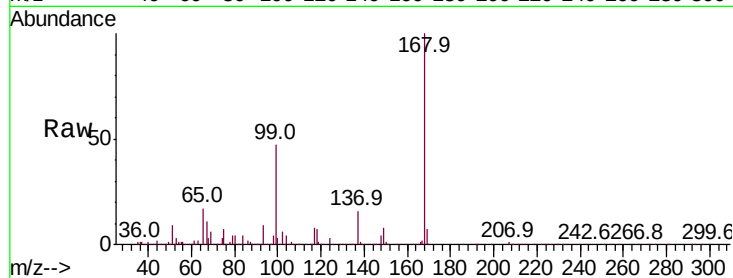
99 47.3 39.1 58.7

Manual Integrations

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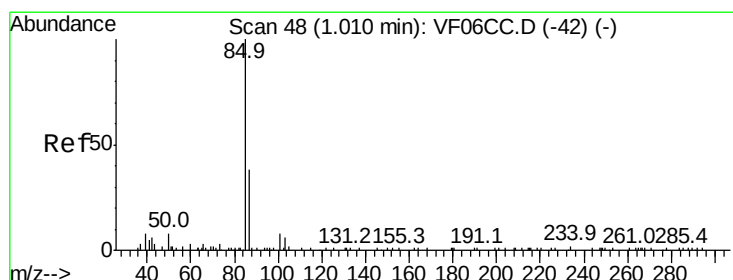
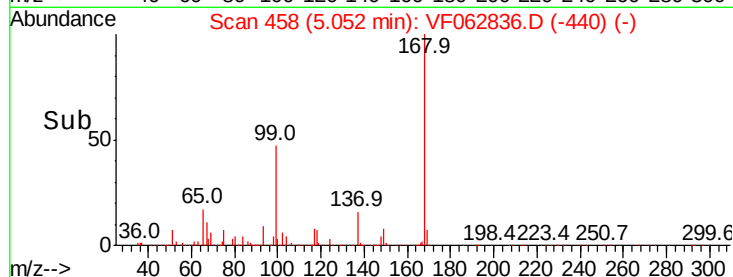
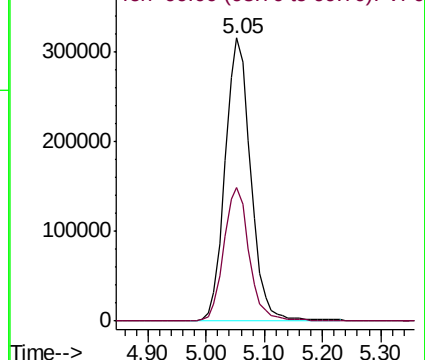
MMDadoda

6/6/2019 8:48:57 AM



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 44.406 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062836.D

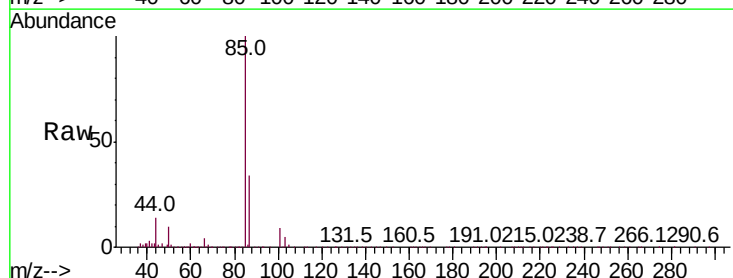
Acq: 4 Jun 2019 13:16

Tgt Ion: 85 Resp: 488406

Ion Ratio Lower Upper

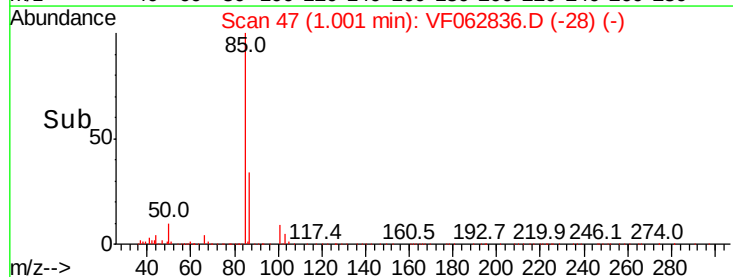
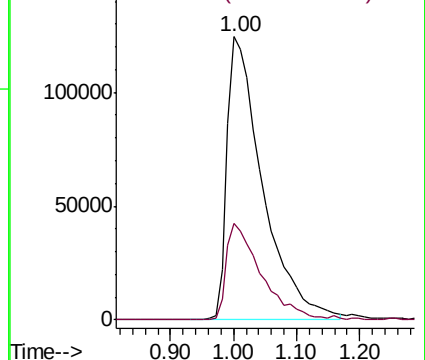
85 100

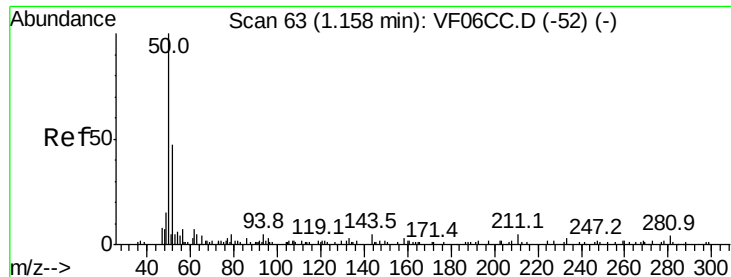
87 34.3 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 40.036 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 398356

Ion Ratio Lower Upper

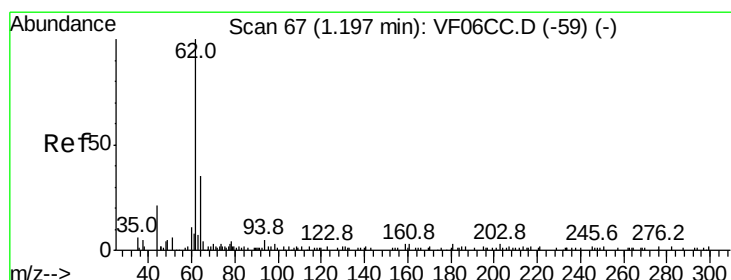
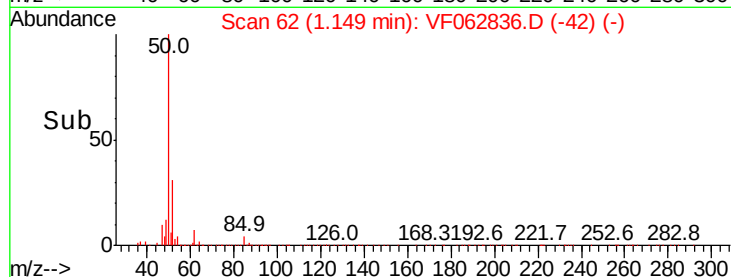
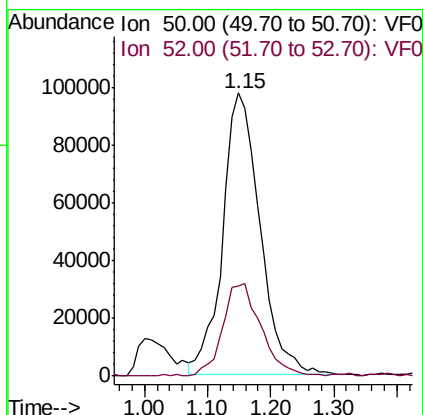
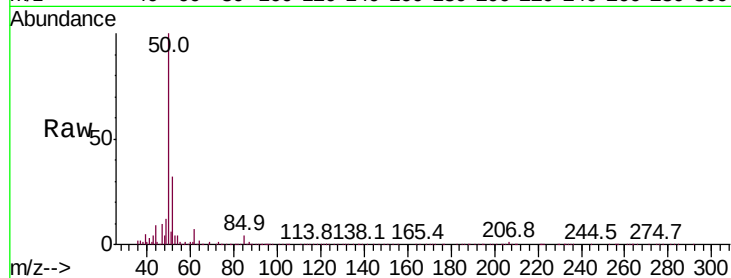
50 100

52 31.6 27.0 40.4

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#4

Vinyl Chloride

Concen: 41.478 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062836.D

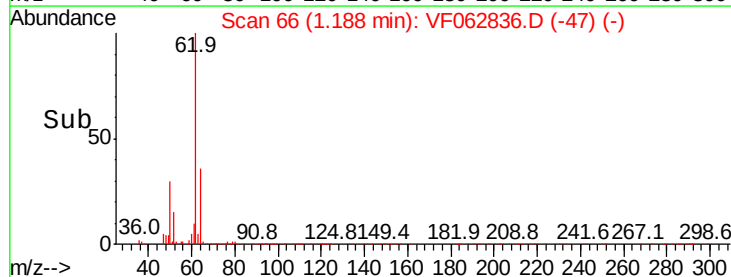
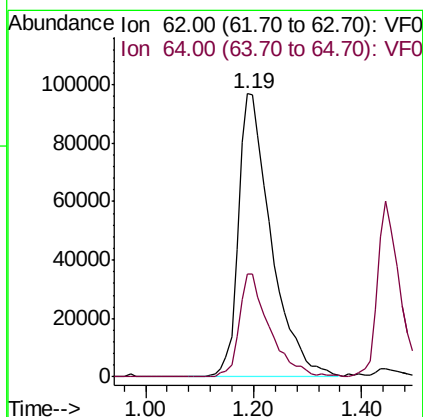
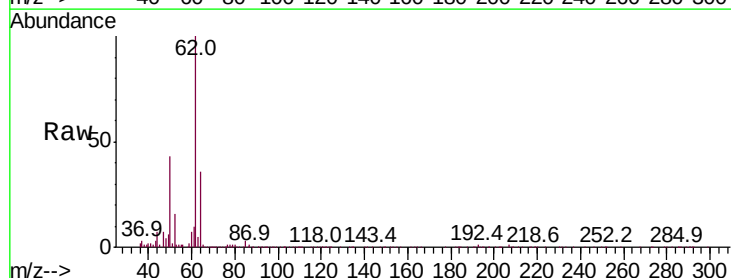
Acq: 4 Jun 2019 13:16

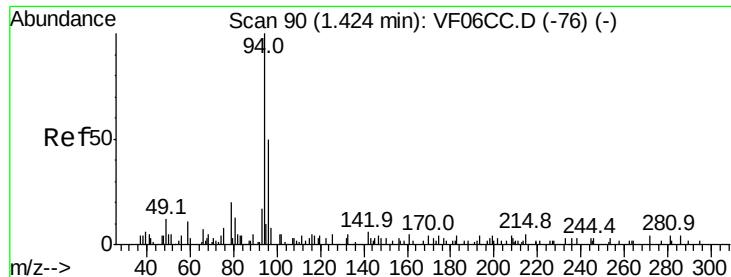
Tgt Ion: 62 Resp: 410121

Ion Ratio Lower Upper

62 100

64 36.3 26.2 39.2





#5

Bromomethane

Concen: 47.307 ug/l

RT: 1.41 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 266757

Ion Ratio Lower Upper

94 100

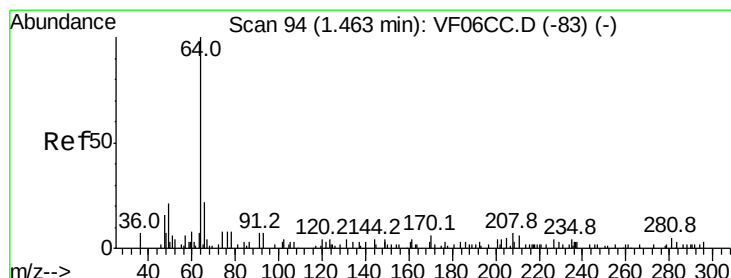
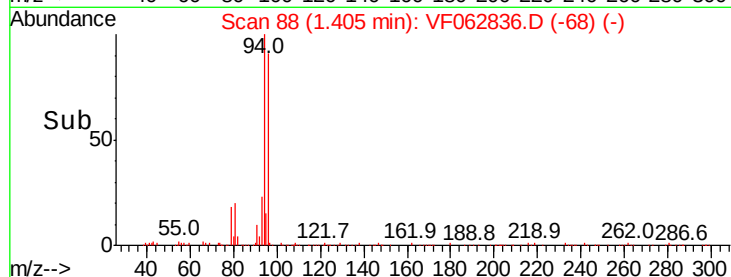
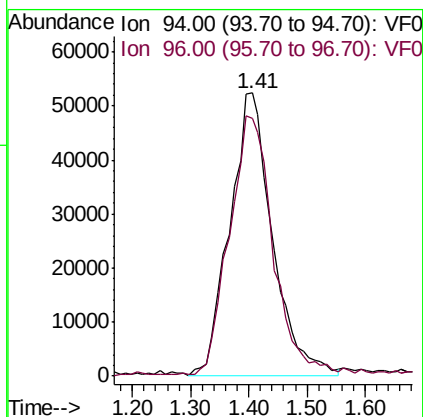
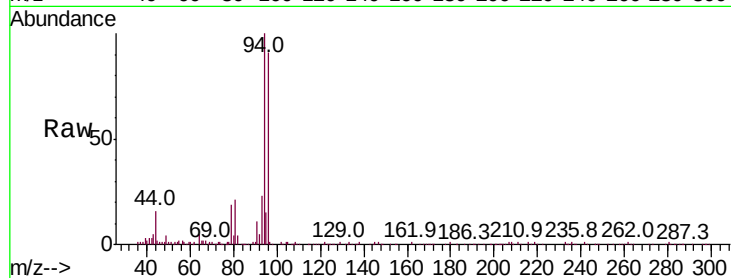
96 91.2 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 46.631 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.02 min

Lab File: VF062836.D

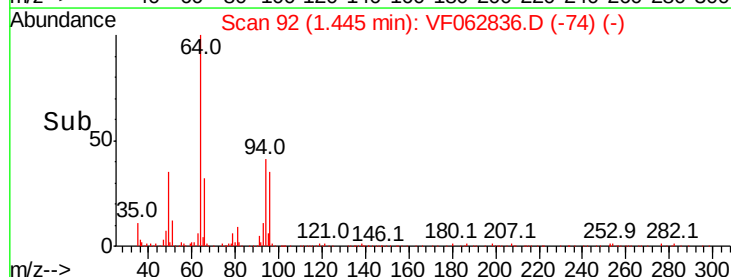
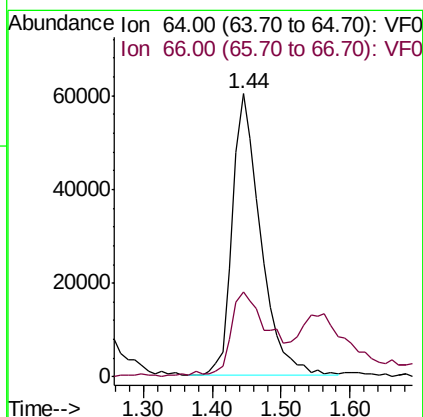
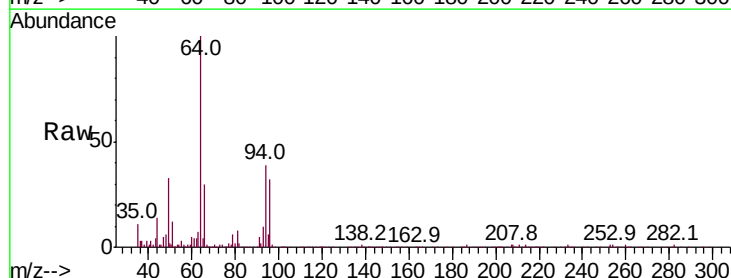
Acq: 4 Jun 2019 13:16

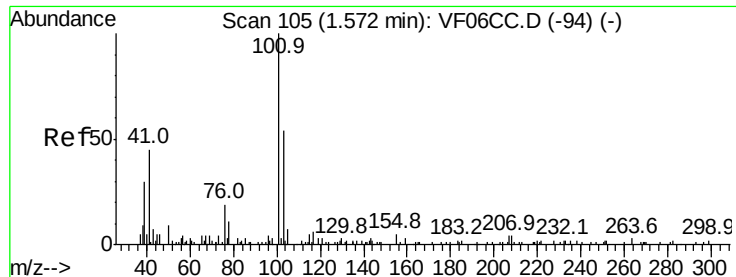
Tgt Ion: 64 Resp: 172389

Ion Ratio Lower Upper

64 100

66 30.1 31.0 46.4#





#7

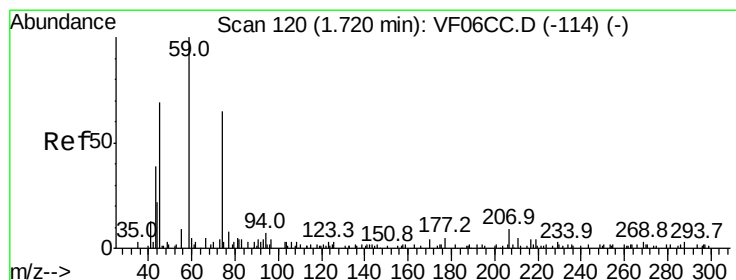
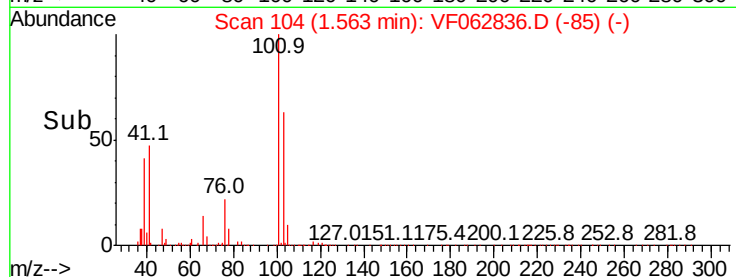
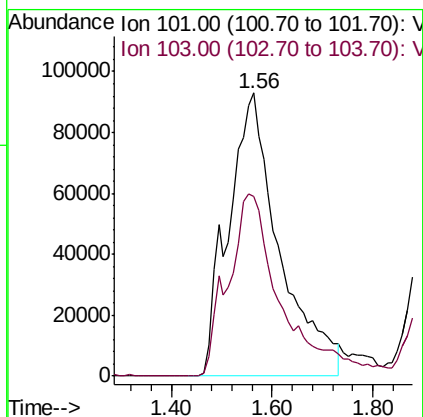
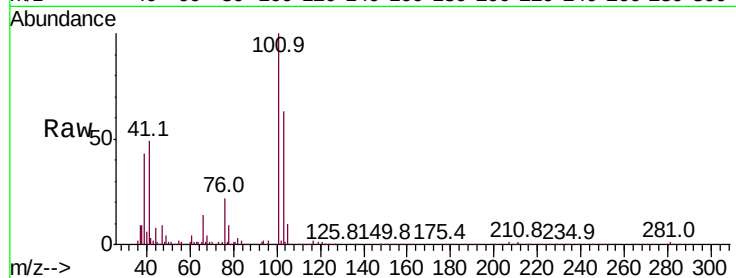
Trichlorofluoromethane
Concen: 46.766 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 654614
Ion Ratio Lower Upper
101 100
103 63.5 54.6 82.0

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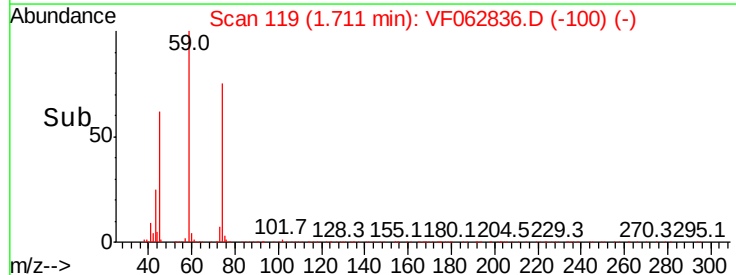
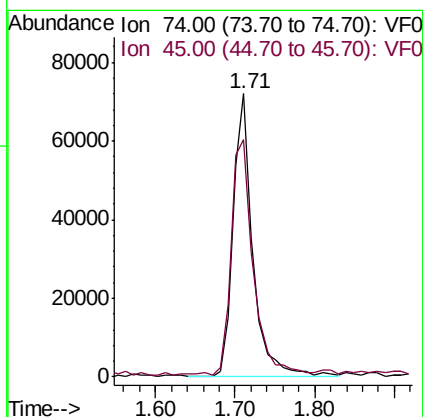
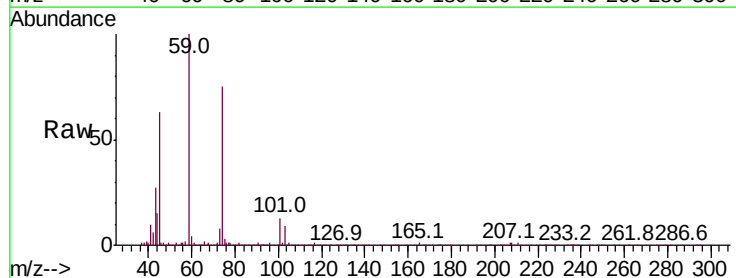
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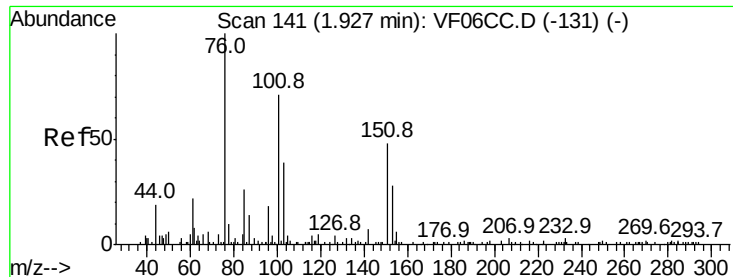


#8

Diethyl Ether
Concen: 45.580 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 74 Resp: 125523
Ion Ratio Lower Upper
74 100
45 83.9 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.367 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

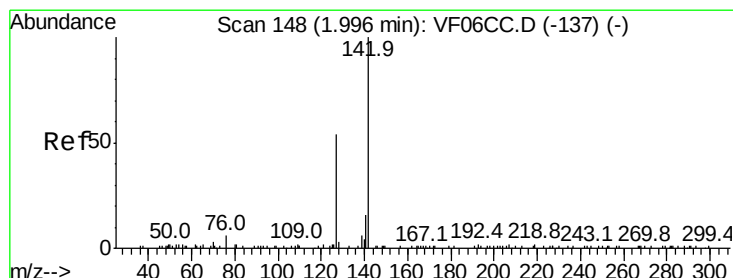
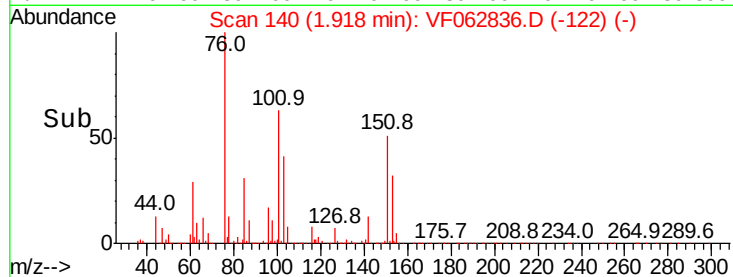
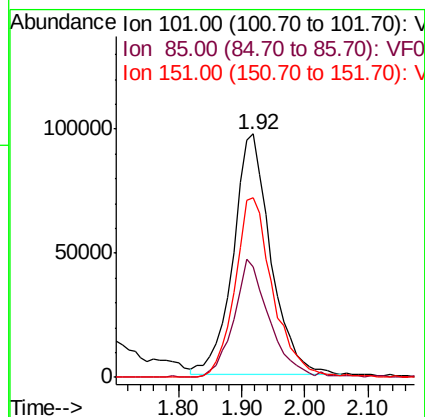
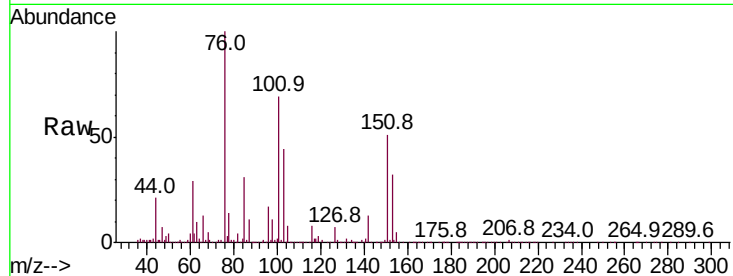
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	399242
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.1	55.7
151	74.0	60.3	90.5

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#10

Methyl Iodide

Concen: 45.814 ug/l

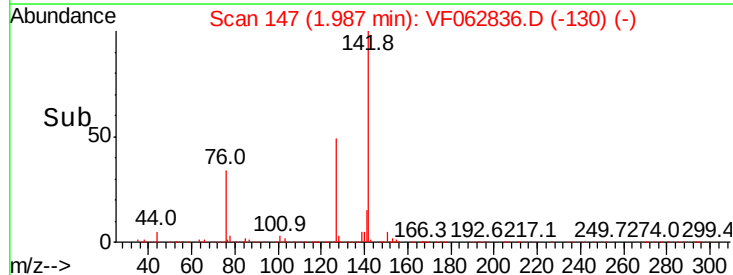
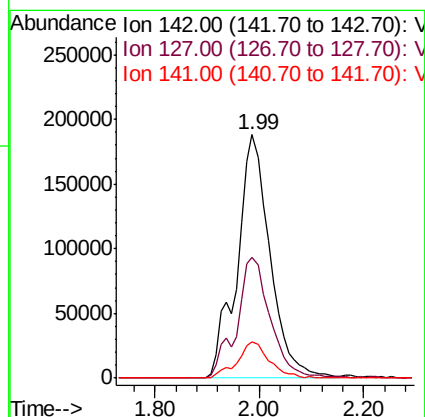
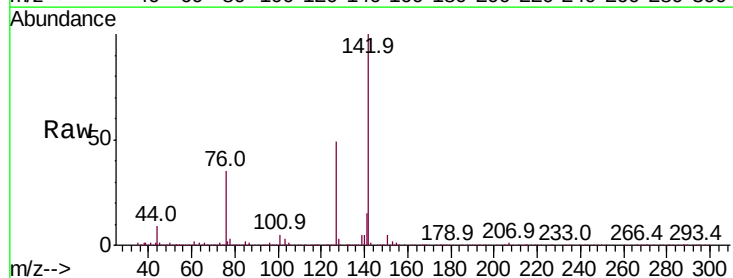
RT: 1.99 min Scan# 147

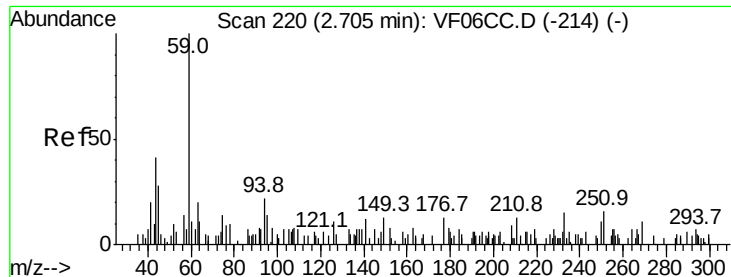
Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion:	142	Resp:	808402
Ion Ratio	Lower	Upper	
142	100		
127	49.4	39.4	59.2
141	14.7	10.6	15.8





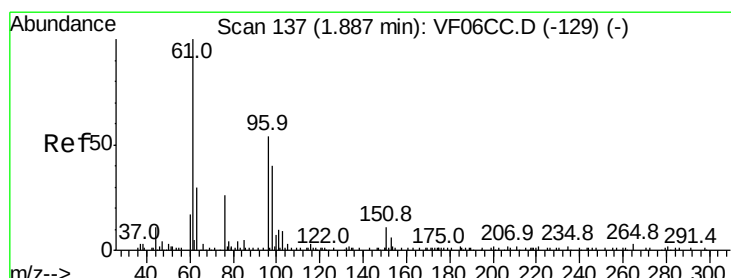
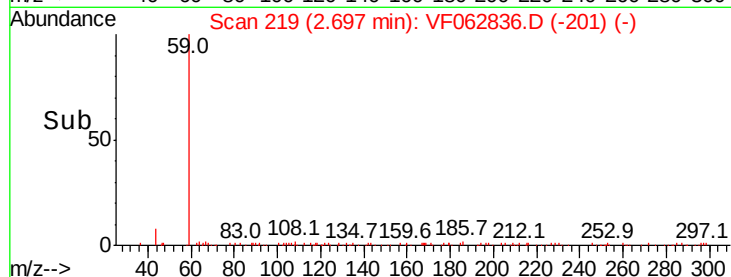
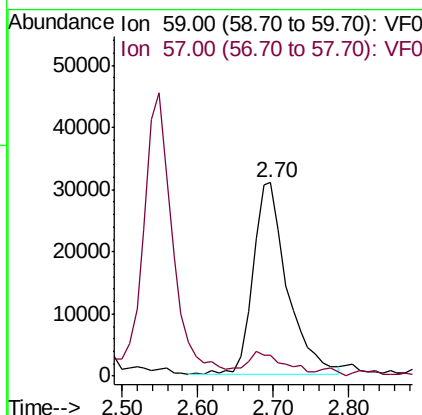
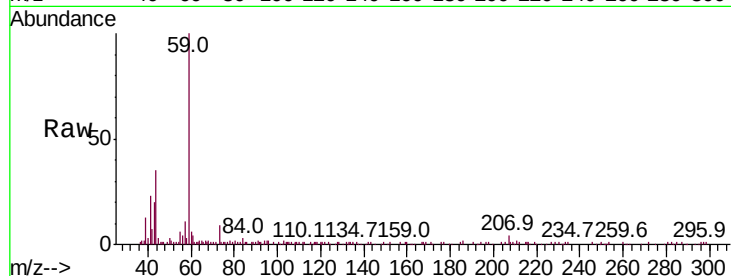
#11
Tert butyl alcohol
Concen: 243.543 ug/l
RT: 2.70 min Scan# 219
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.2	13.8

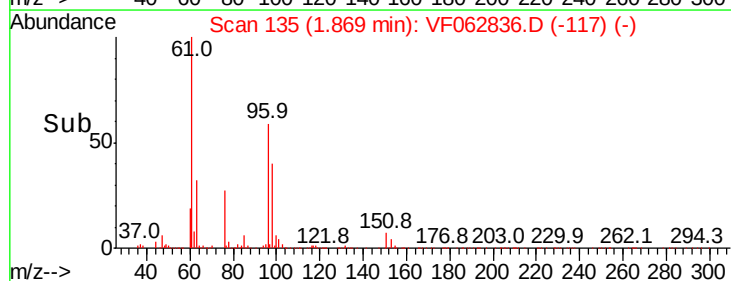
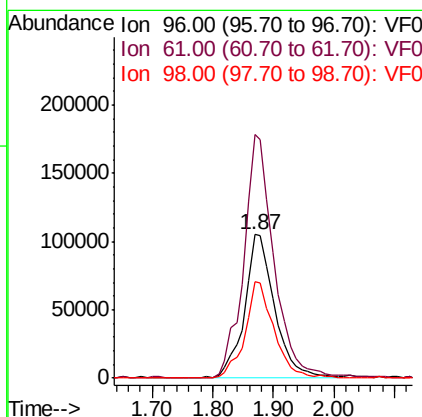
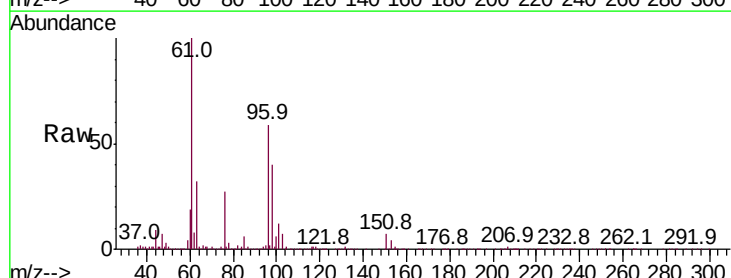
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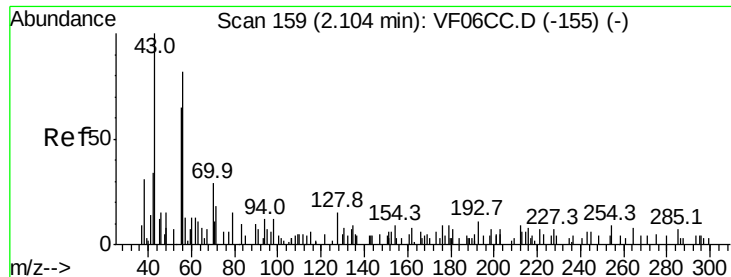
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#12
1,1-Dichloroethene
Concen: 45.126 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.9	139.4	209.2
98	67.7	50.3	75.5





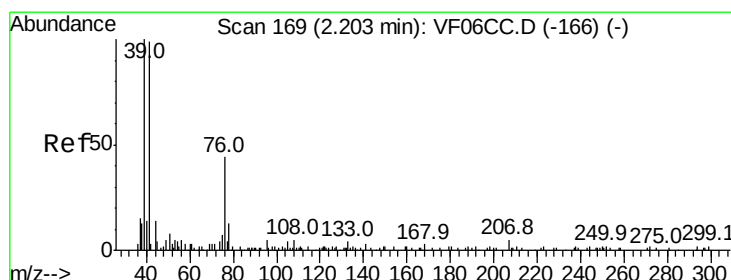
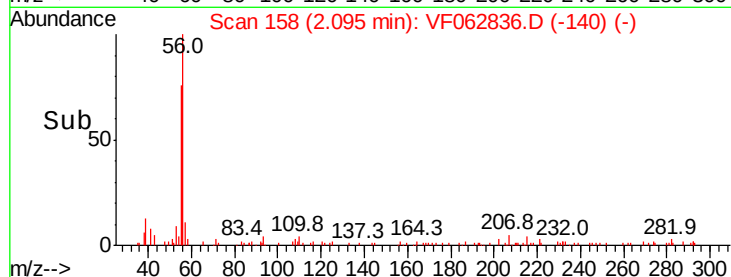
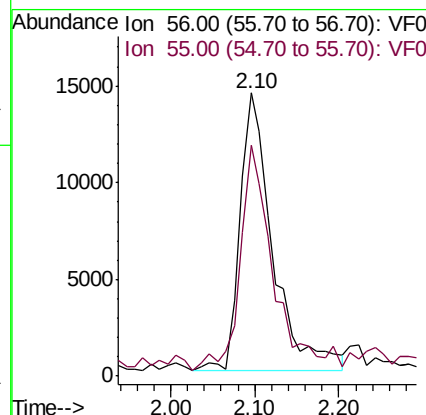
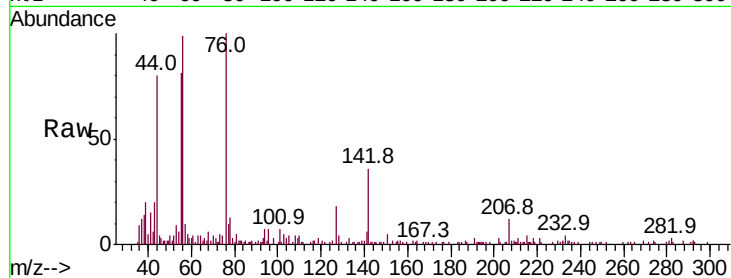
#13
Acrolein
Concen: 243.282 ug/l
RT: 2.10 min Scan# 158
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	81.5	52.9	79.3#

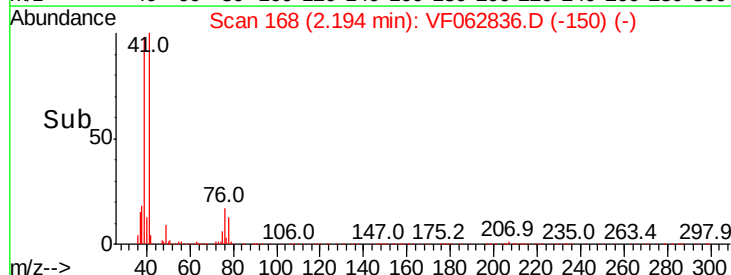
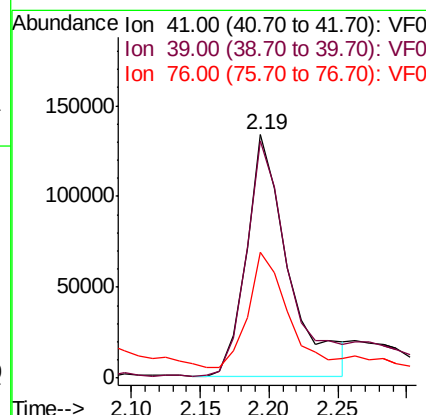
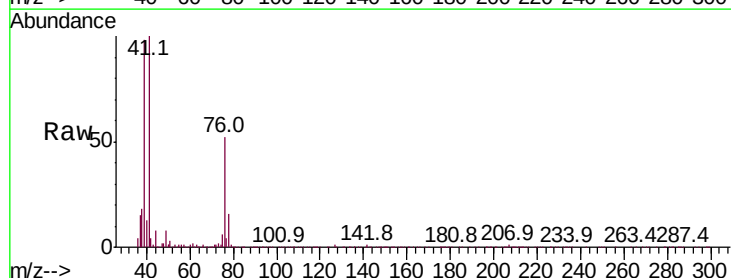
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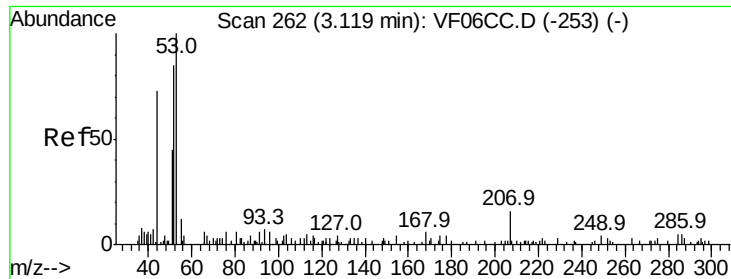
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#14
Allyl chloride
Concen: 45.407 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	97.6	71.9	107.9
76	51.7	39.6	59.4





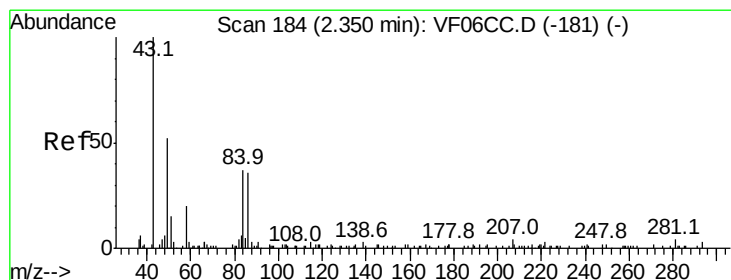
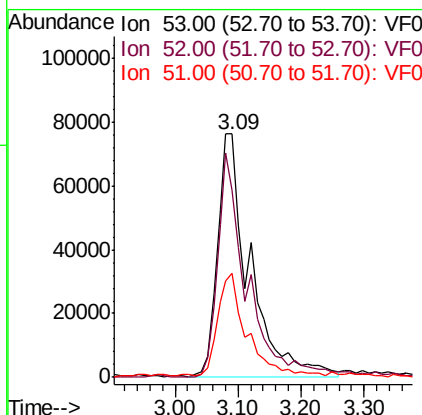
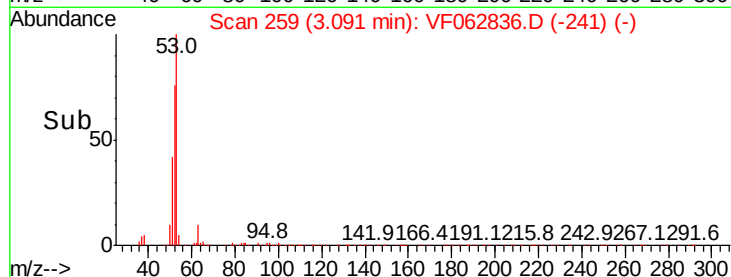
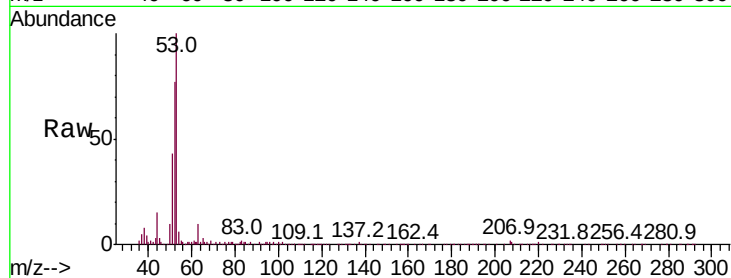
#15
 Acrylonitrile
 Concen: 177.861 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. -0.02 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	76.8	68.1	102.1
51	42.8	27.7	41.5#

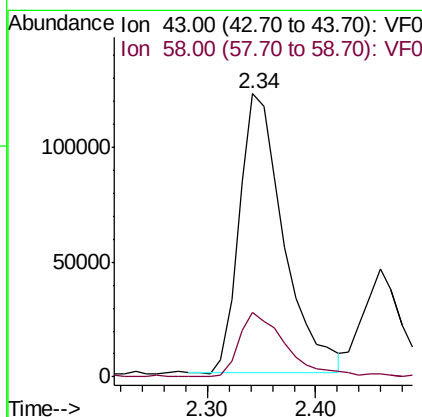
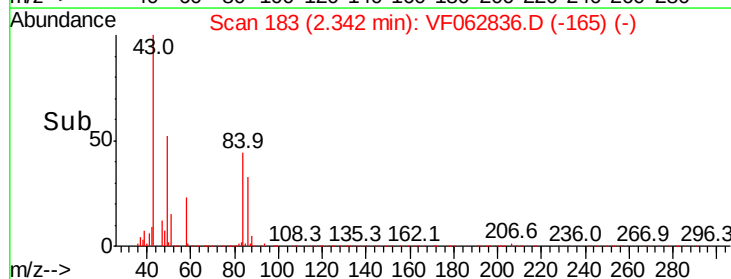
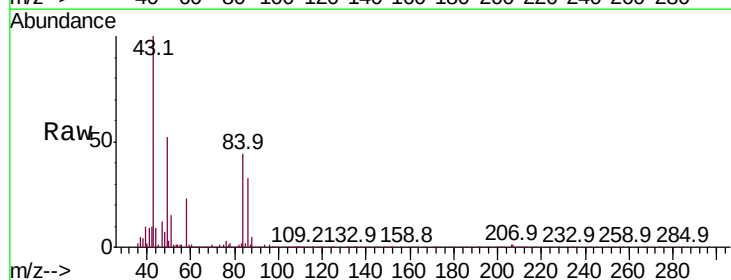
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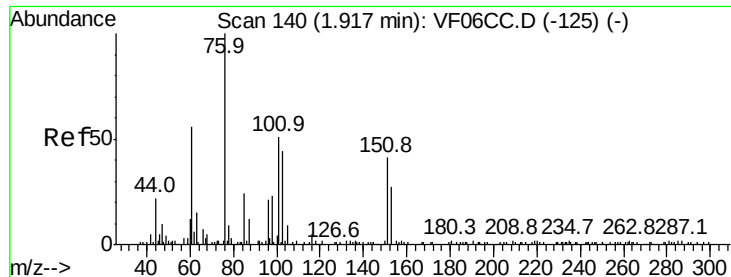
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#16
 Acetone
 Concen: 227.192 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	22.6	19.0	28.4





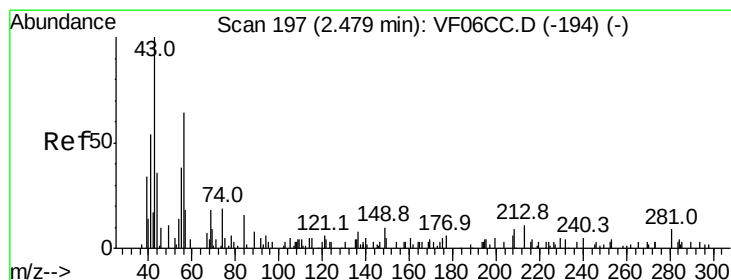
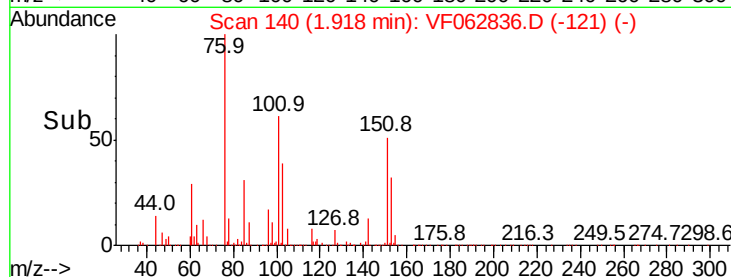
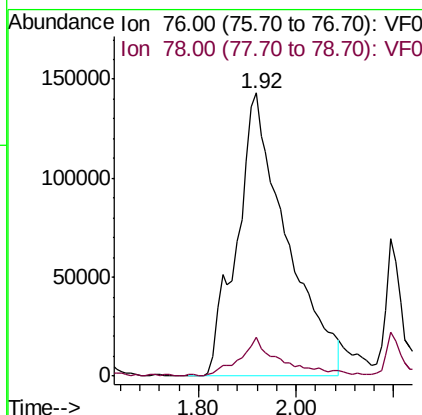
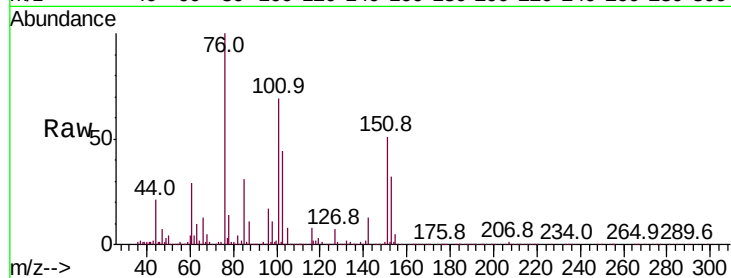
#17
Carbon Disulfide
Concen: 43.348 ug/l
RT: 1.92 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1012430
Ion Ratio Lower Upper
76 100
78 13.6 9.4 14.2

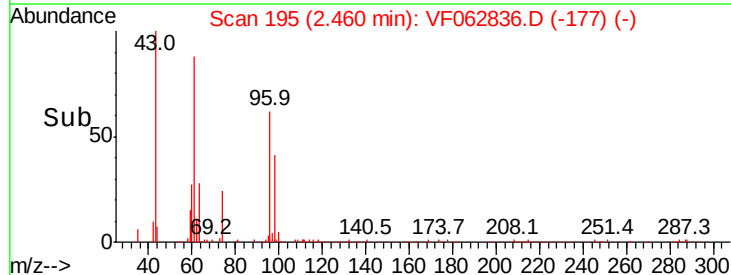
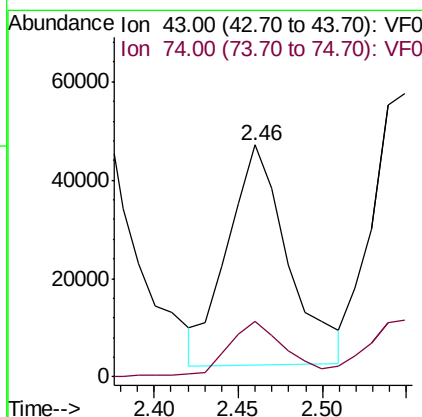
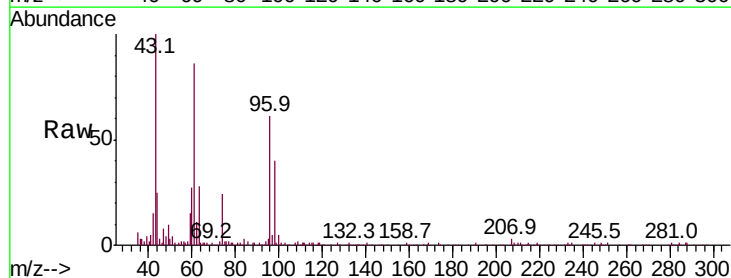
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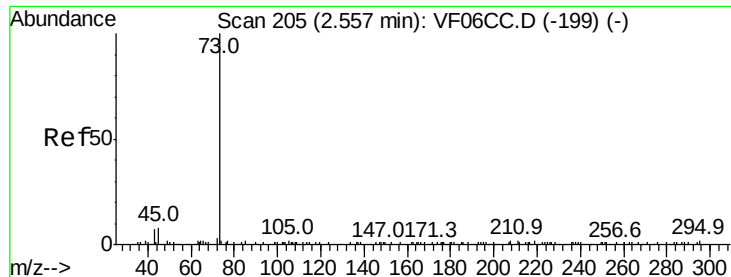
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#18
Methyl Acetate
Concen: 41.863 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 43 Resp: 111339
Ion Ratio Lower Upper
43 100
74 24.2 22.1 33.1





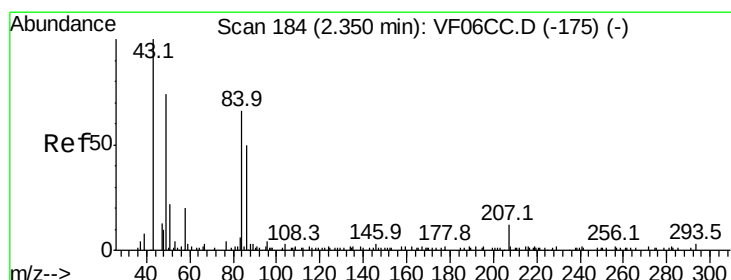
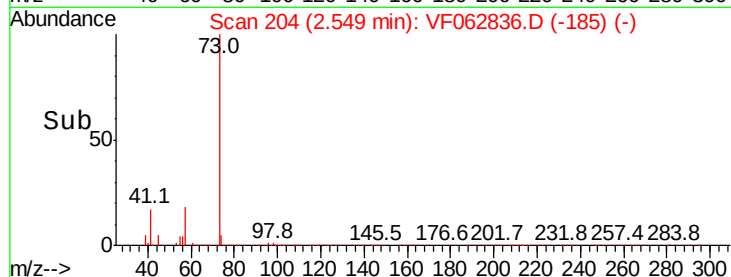
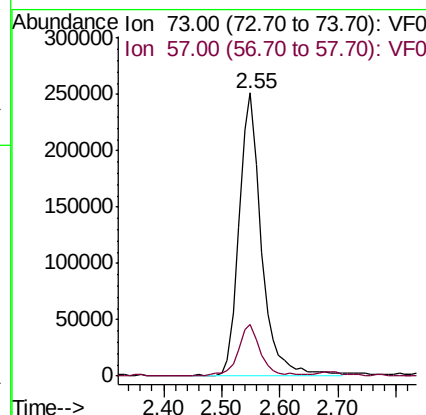
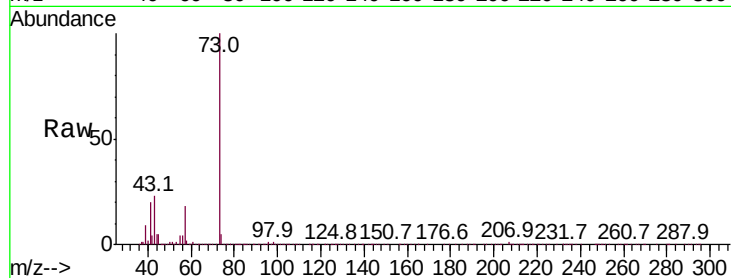
#19
Methyl tert-butyl Ether
Concen: 46.782 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.1	15.1	22.7

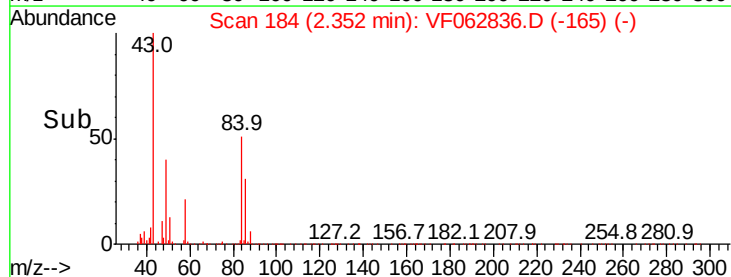
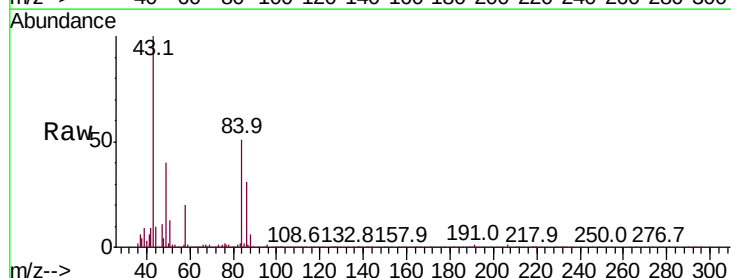
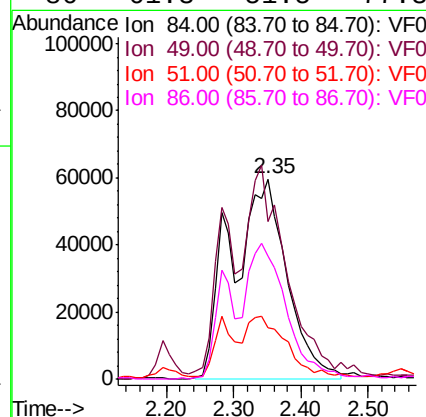
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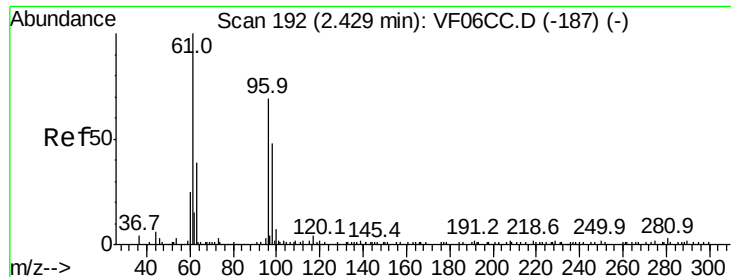
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#20
Methylene Chloride
Concen: 44.992 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	78.8	82.6	123.8#
51	25.8	25.0	37.4
86	61.3	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 45.751 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.02 min

Lab File: VF062836.D

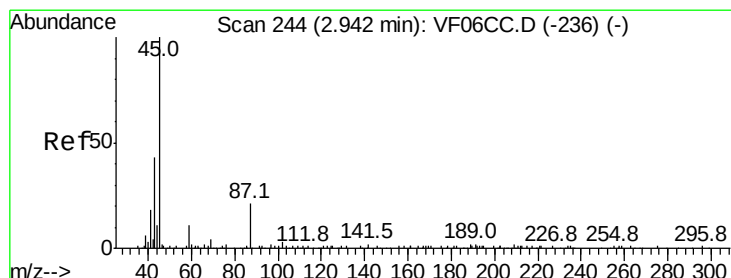
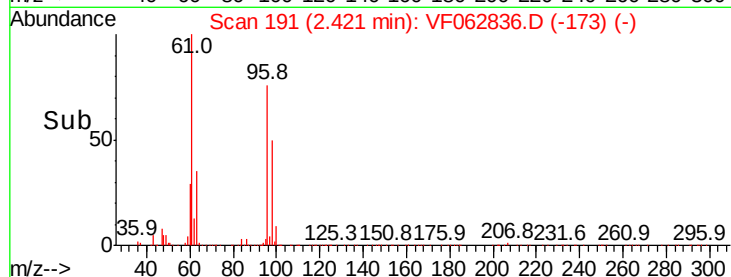
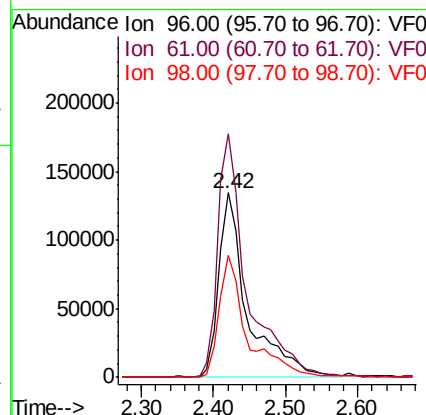
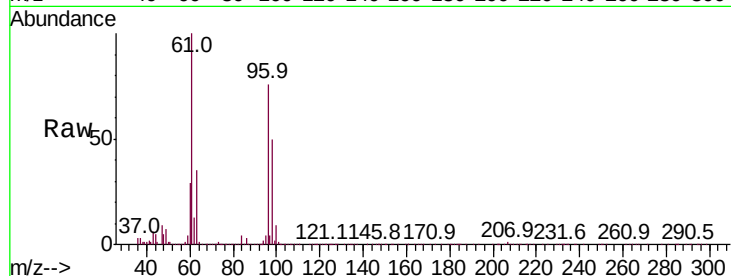
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.2	105.0	157.6
98	66.6	51.1	76.7

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#22

Diisopropyl ether

Concen: 45.370 ug/l

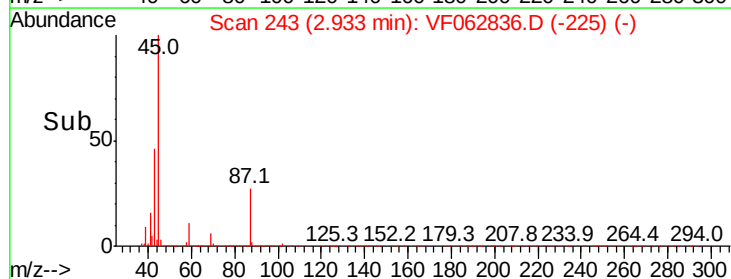
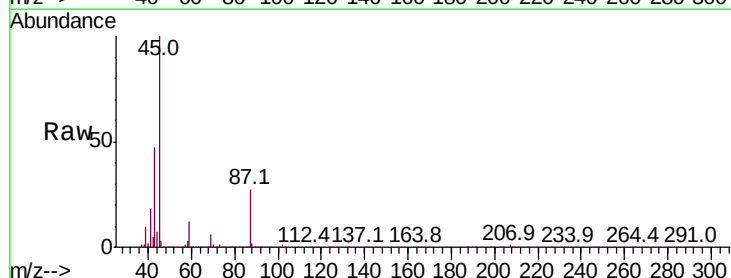
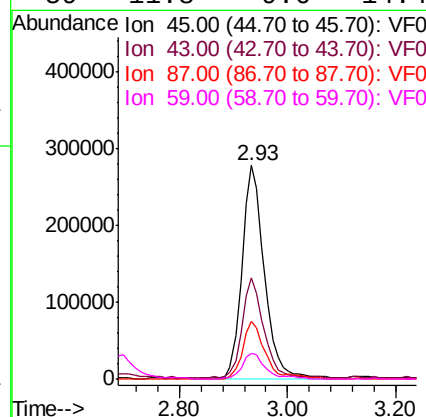
RT: 2.93 min Scan# 243

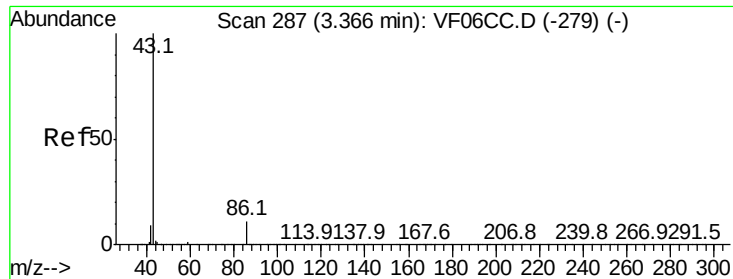
Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	47.4	34.3	51.5
87	27.2	19.0	28.4
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 240.956 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2905474

Ion Ratio Lower Upper

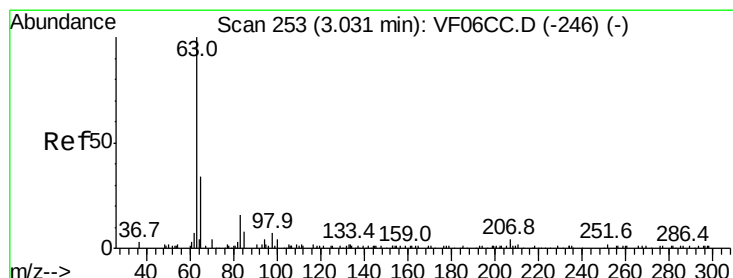
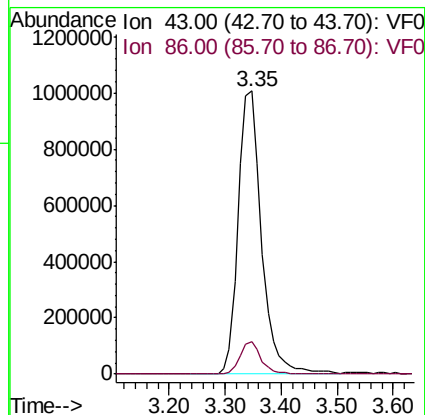
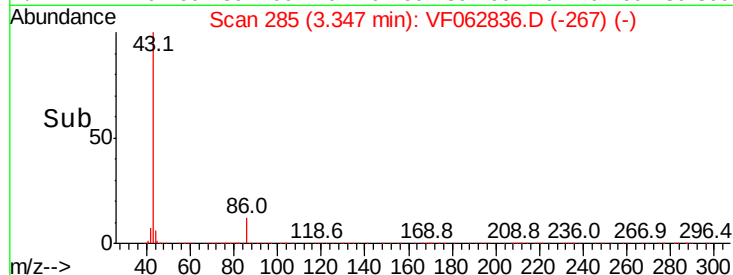
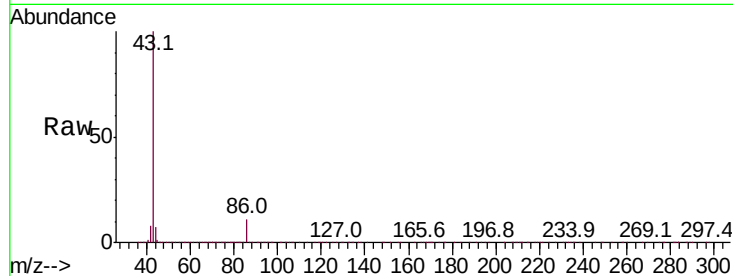
43 100

86 11.5 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 45.828 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

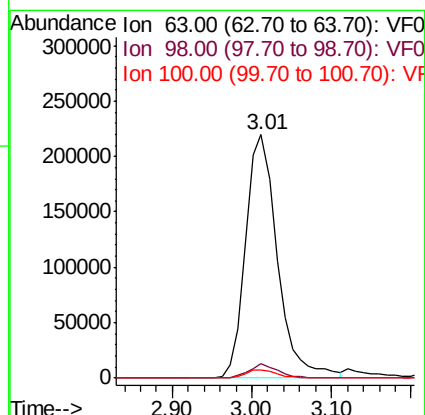
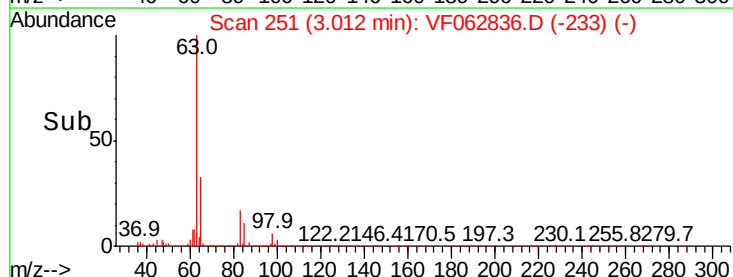
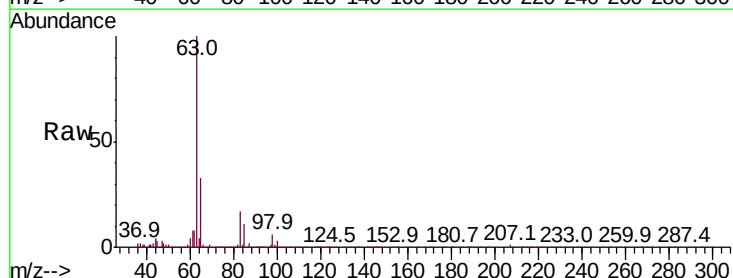
Tgt Ion: 63 Resp: 602673

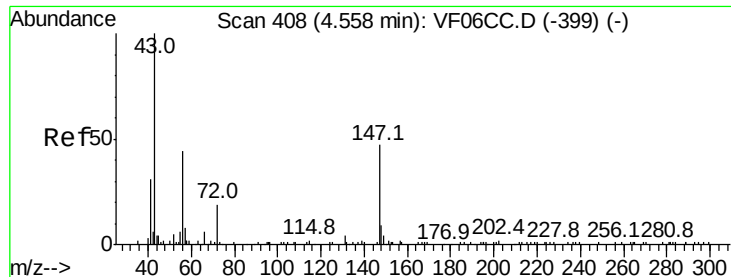
Ion Ratio Lower Upper

63 100

98 5.9 2.4 7.1

100 3.3 1.5 4.5





#25

2-Butanone

Concen: 231.352 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 819977

Ion Ratio Lower Upper

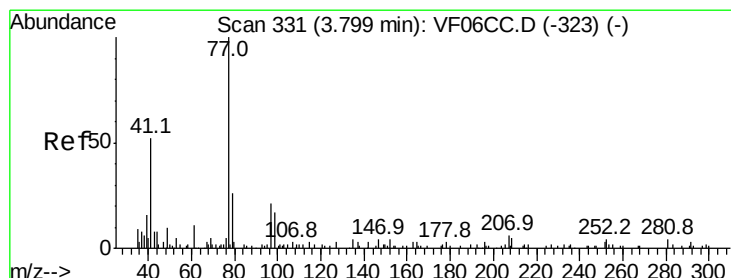
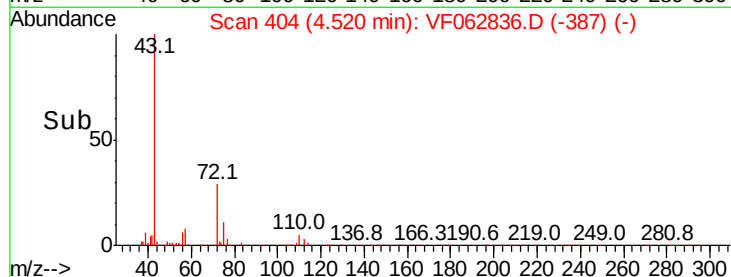
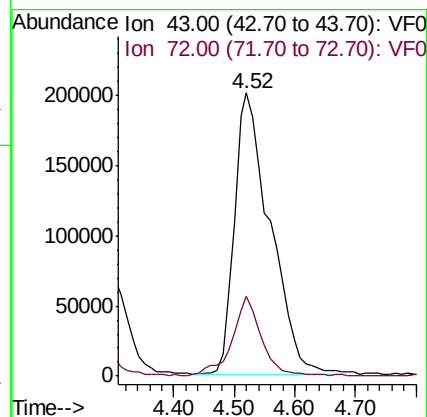
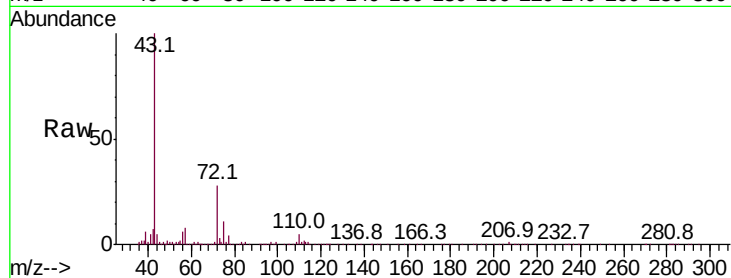
43 100

72 28.3 21.4 32.0

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#26

2,2-Dichloropropane

Concen: 49.520 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.02 min

Lab File: VF062836.D

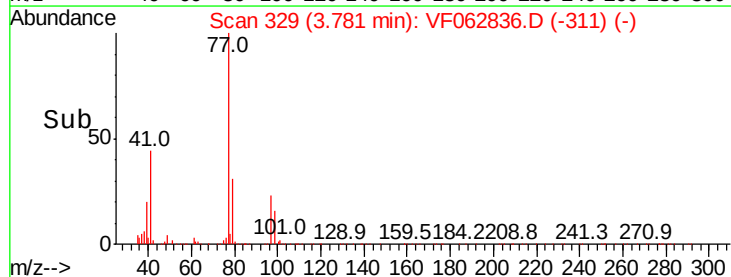
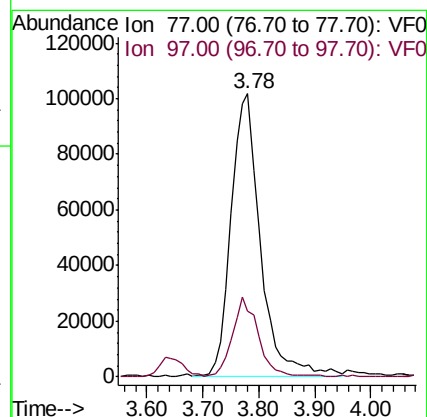
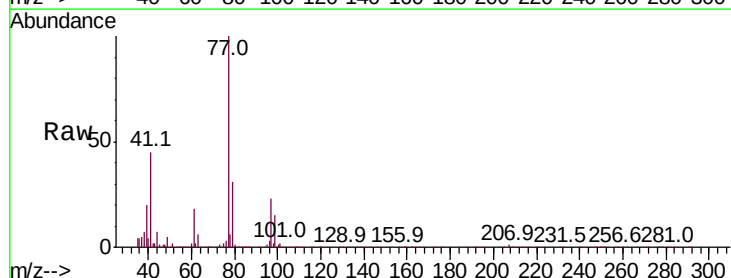
Acq: 4 Jun 2019 13:16

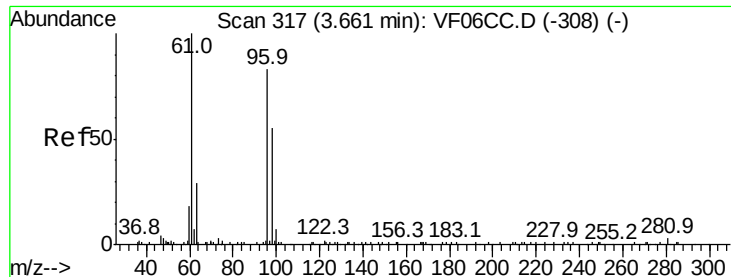
Tgt Ion: 77 Resp: 369766

Ion Ratio Lower Upper

77 100

97 23.4 12.4 37.4





#27

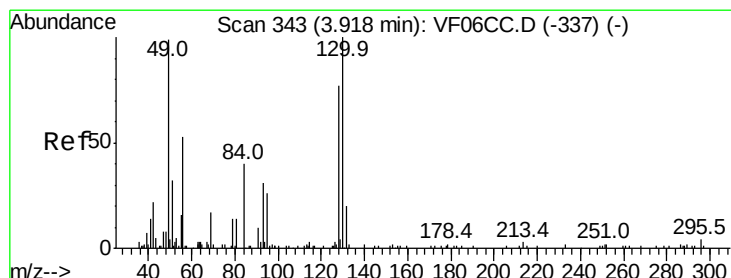
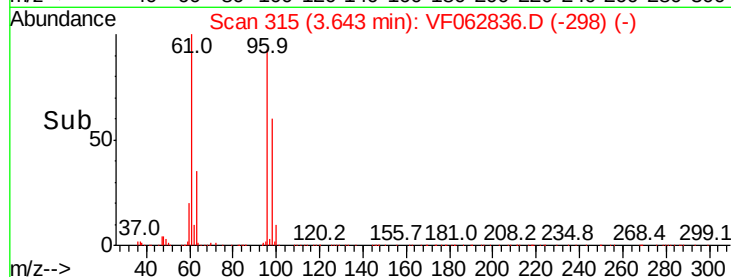
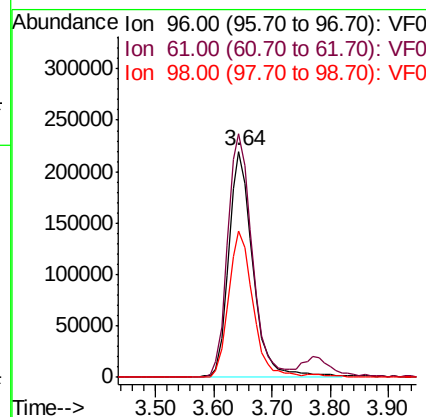
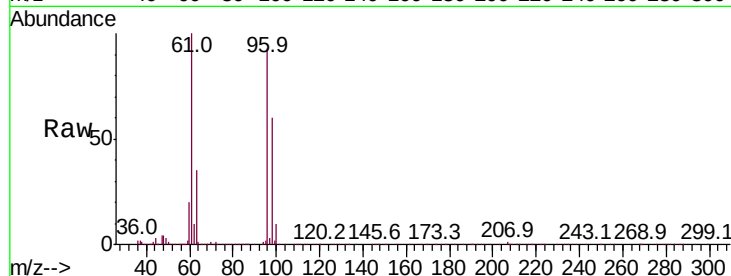
cis-1,2-Dichloroethene
Concen: 46.670 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	107.7	0.0	213.8
98	64.8	0.0	127.0

Manual Integrations
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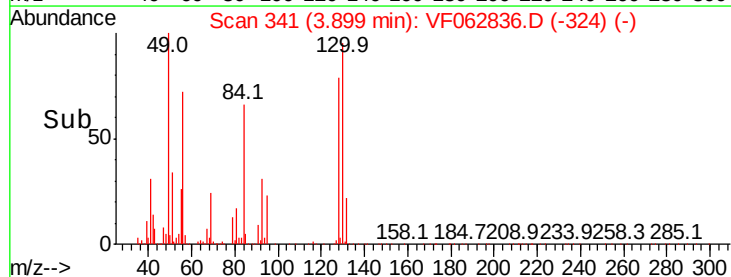
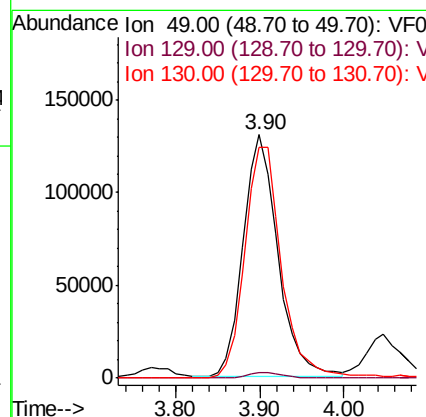
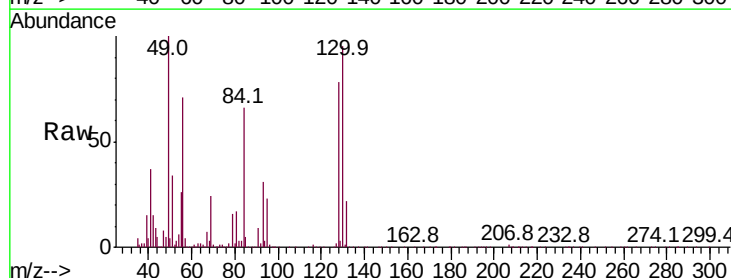
MMDadoda
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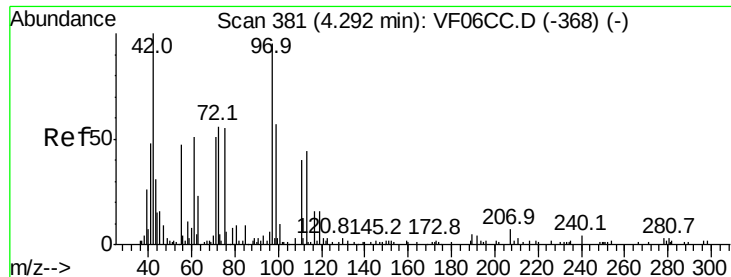


#28

Bromochloromethane
Concen: 52.973 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.4
130	94.7	79.2	118.8





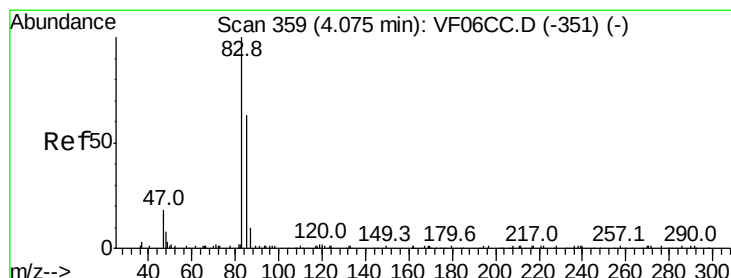
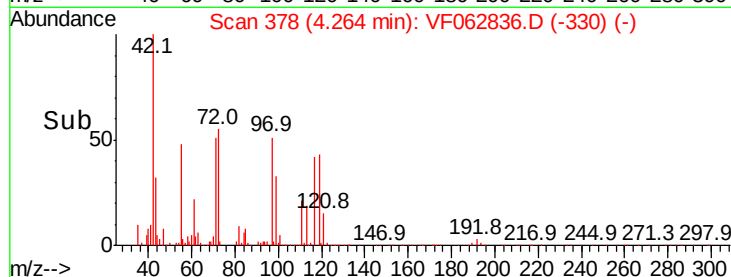
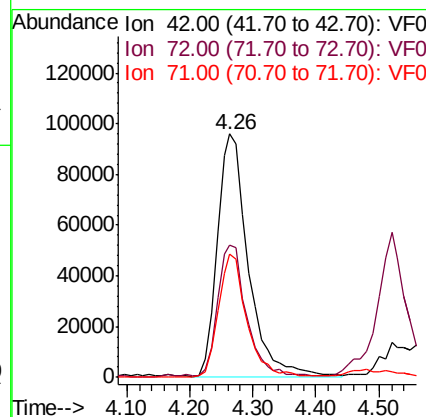
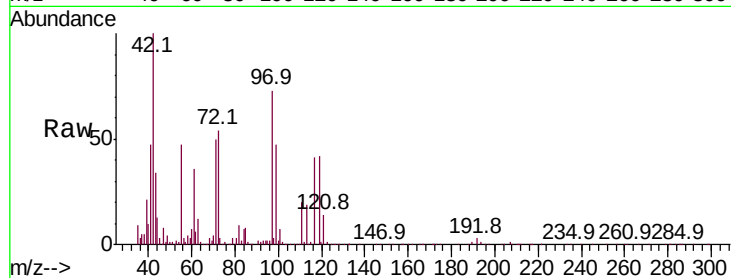
#29
Tetrahydrofuran
Concen: 240.430 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.0	39.0	58.6
71	47.0	36.9	55.3

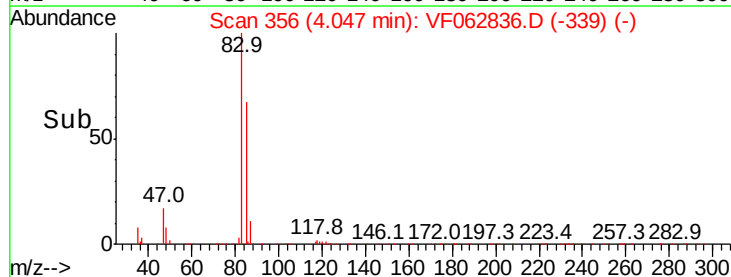
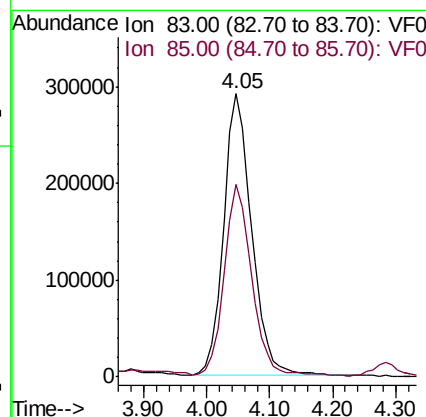
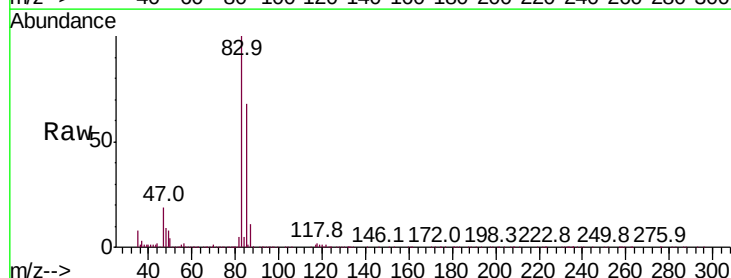
Manual Integrations
APPROVED

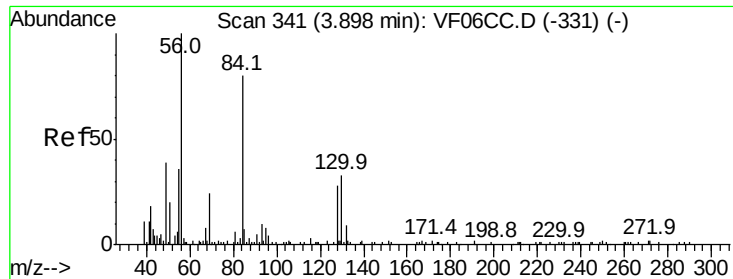
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#30
Chloroform
Concen: 48.233 ug/l
RT: 4.05 min Scan# 356
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	55.0	82.6





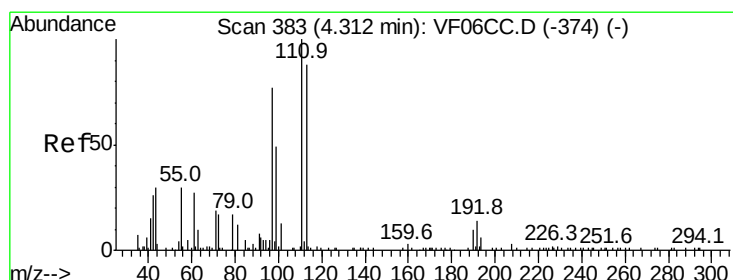
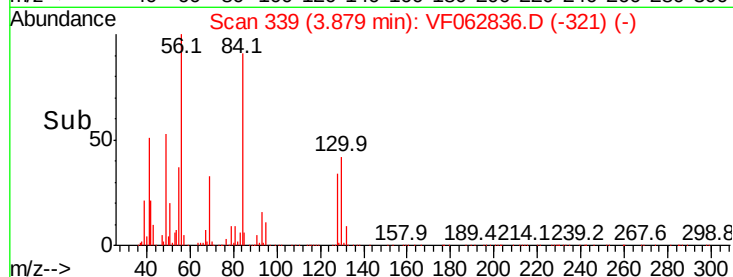
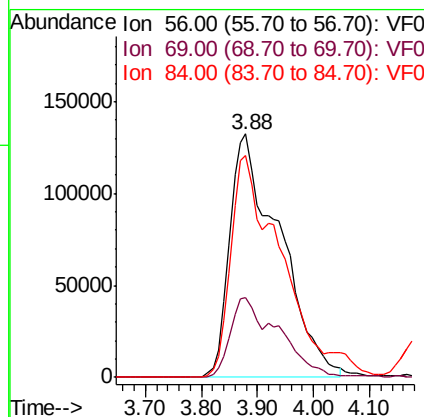
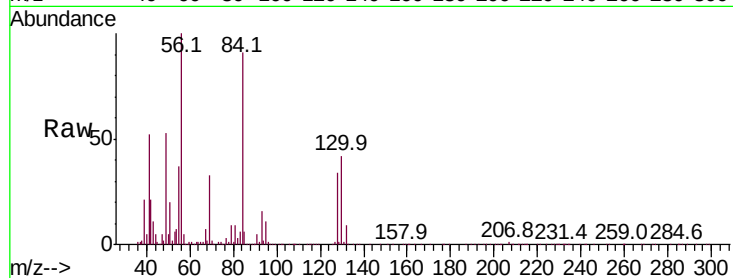
#31
Cyclohexane
Concen: 45.368 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.7	40.1
84	91.4	74.3	111.5

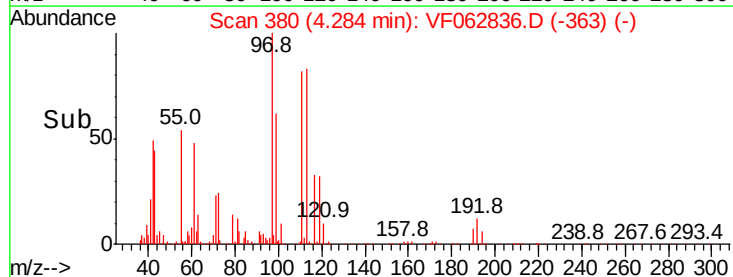
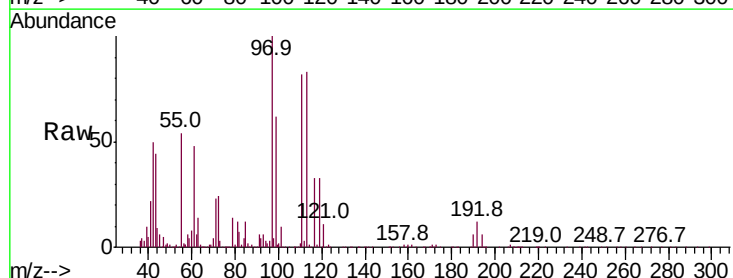
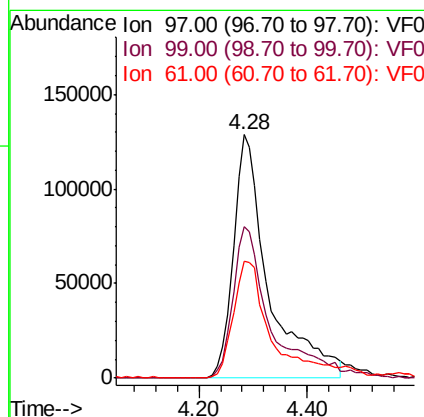
Manual Integrations
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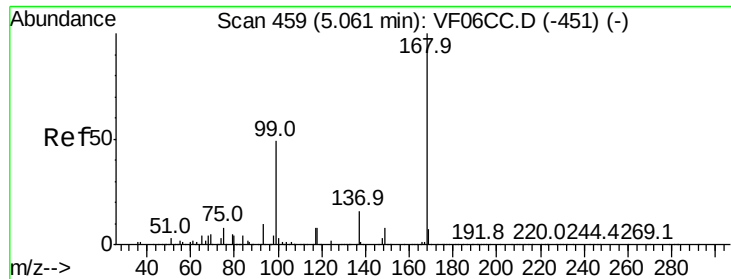
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#32
1,1,1-Trichloroethane
Concen: 54.300 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.7	77.5
61	48.3	38.9	58.3





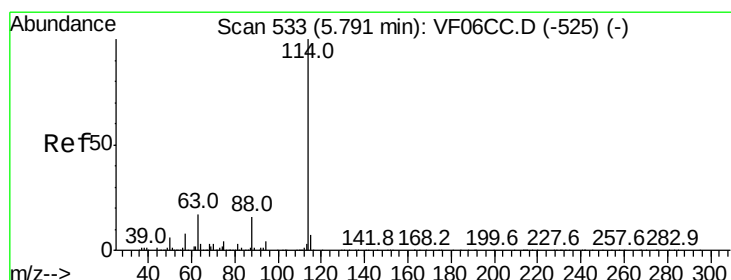
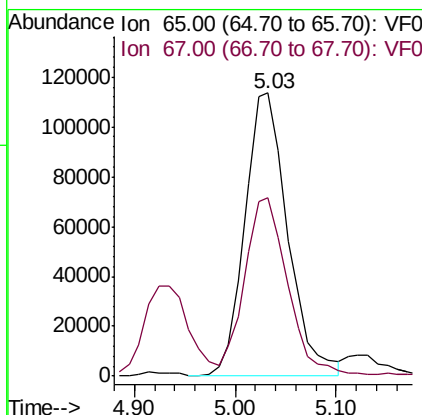
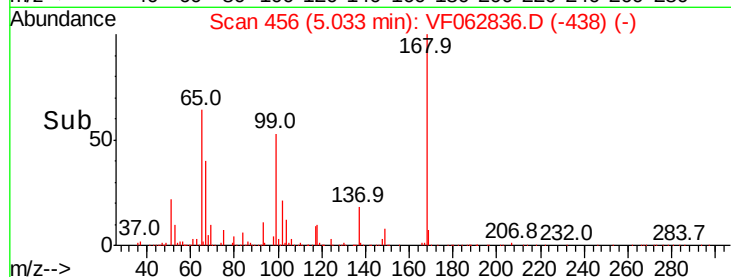
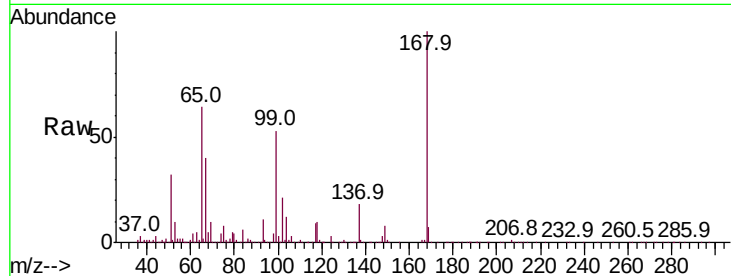
#33
 1,2-Dichloroethane-d4
 Concen: 50.280 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	62.9	0.0	121.2

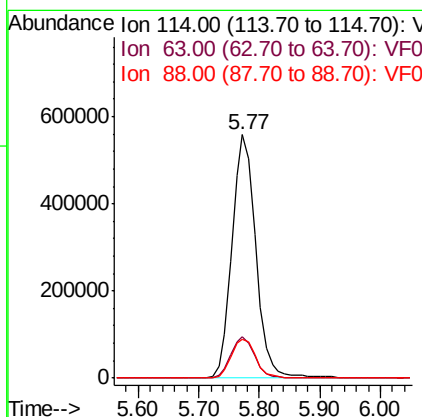
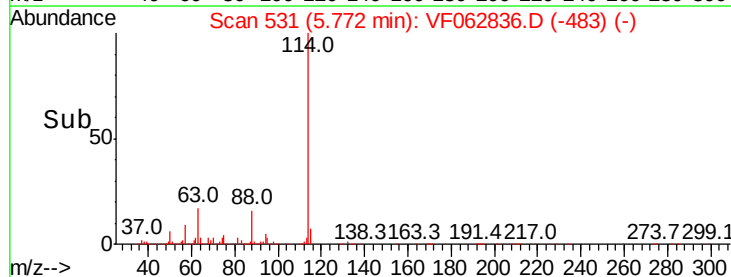
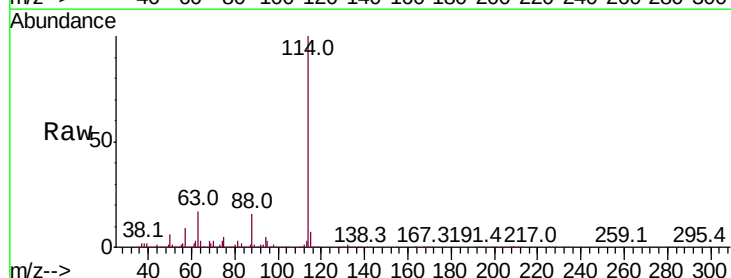
Manual Integrations
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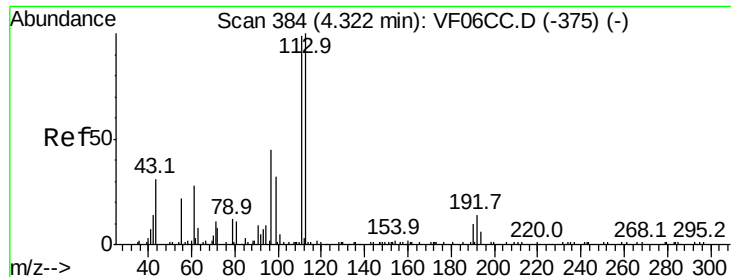
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.03 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	34.2
88	16.0	0.0	31.2





#35

Dibromofluoromethane

Concen: 51.086 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

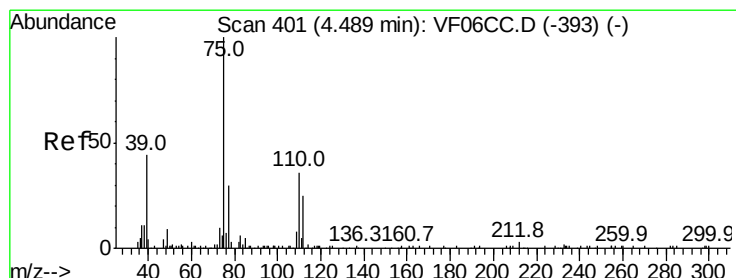
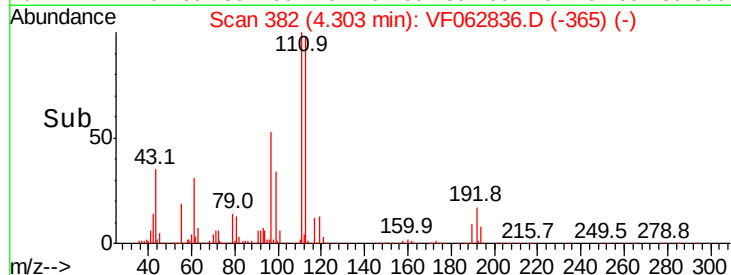
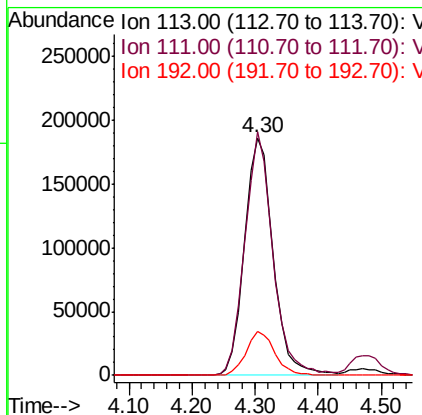
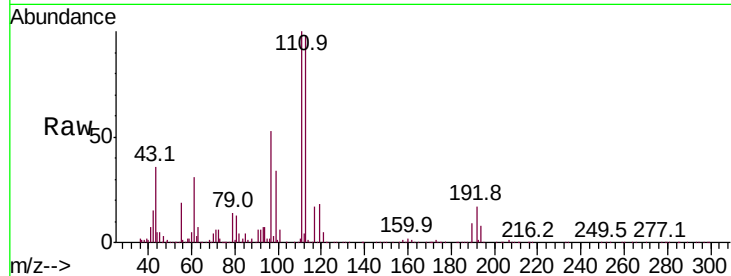
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	590429
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.9	122.9
192	18.6	15.1	22.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.966 ug/l

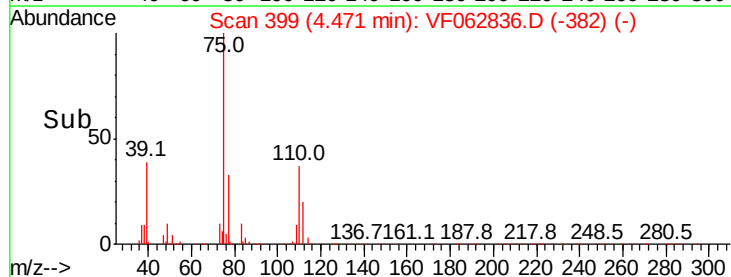
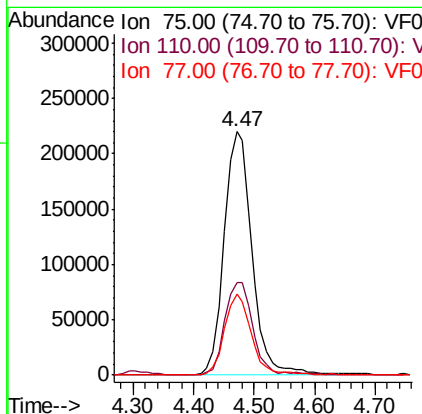
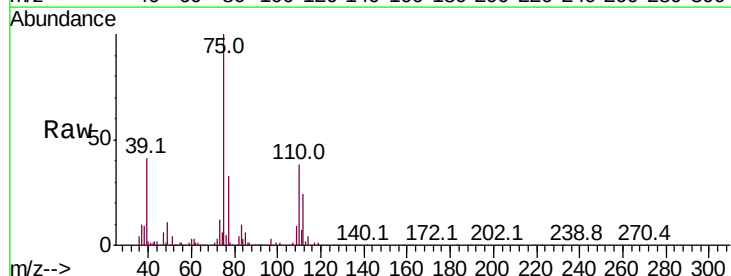
RT: 4.47 min Scan# 399

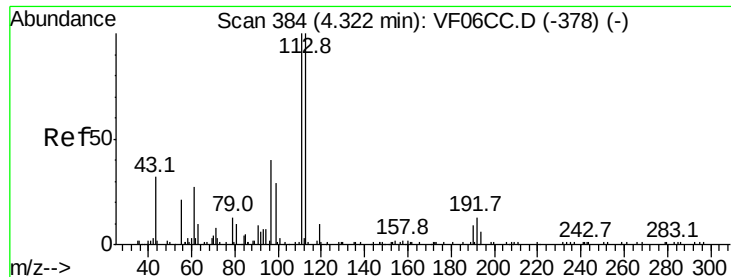
Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion:	75	Resp:	703534
Ion Ratio	Lower	Upper	
75	100		
110	38.2	19.4	58.1
77	33.2	25.4	38.2





#37

Ethyl Acetate

Concen: 51.786 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

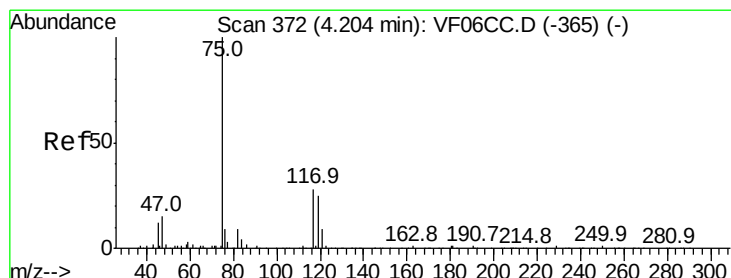
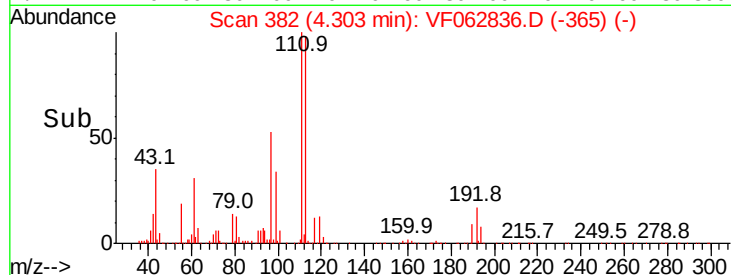
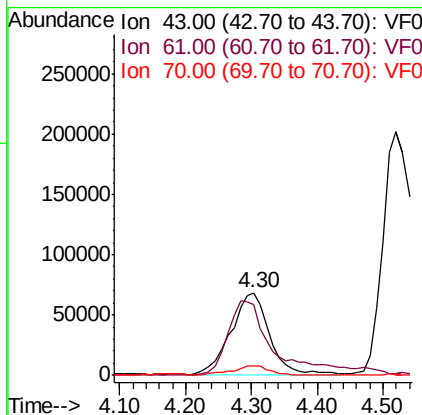
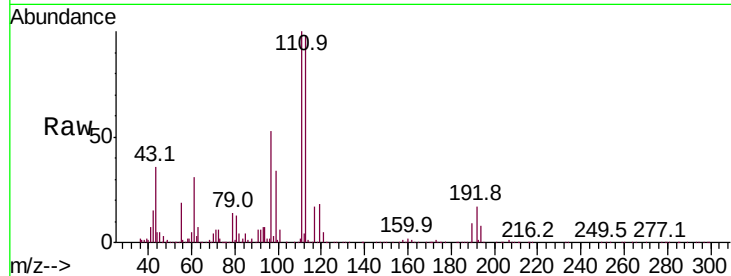
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	278733
Ion	Ratio	Lower	Upper
43	100		
61	85.7	59.1	88.7
70	11.7	10.1	15.1

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#38

Carbon Tetrachloride

Concen: 54.534 ug/l

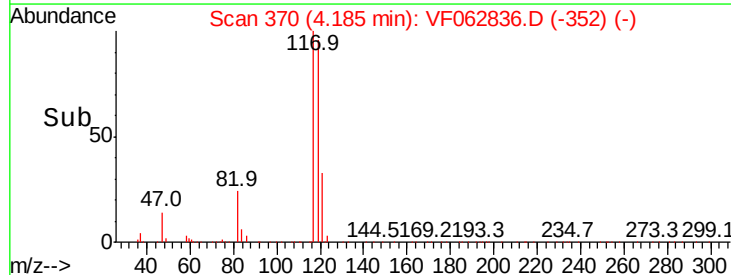
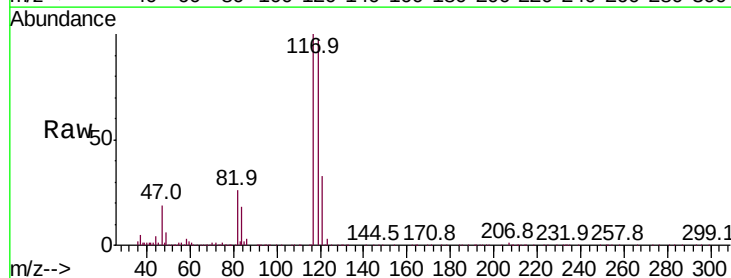
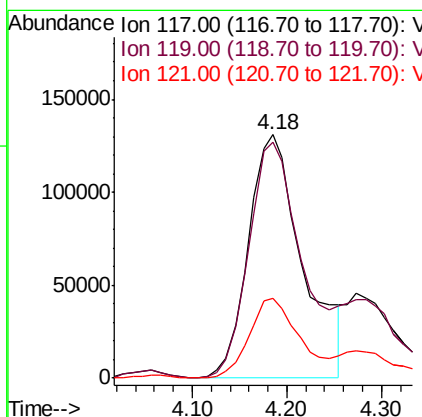
RT: 4.18 min Scan# 370

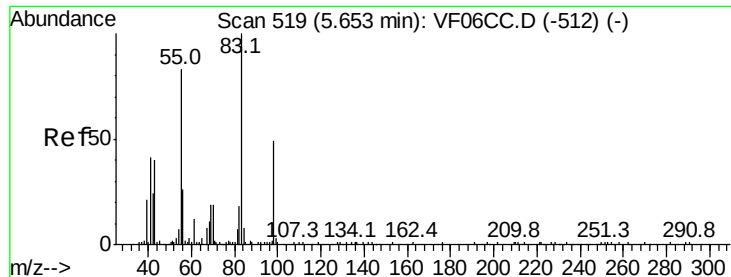
Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion:	117	Resp:	518947
Ion	Ratio	Lower	Upper
117	100		
119	96.7	78.2	117.2
121	33.0	28.2	42.2





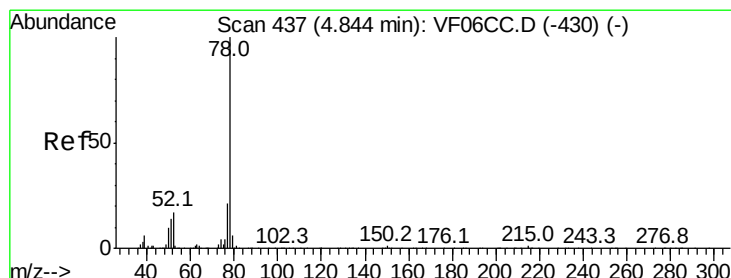
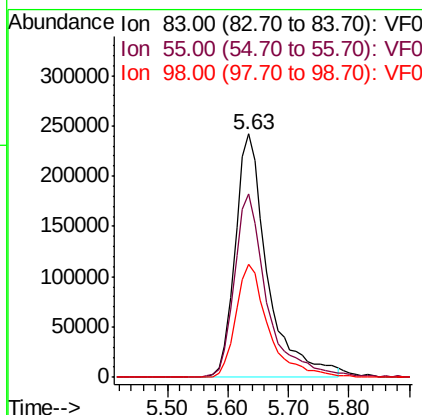
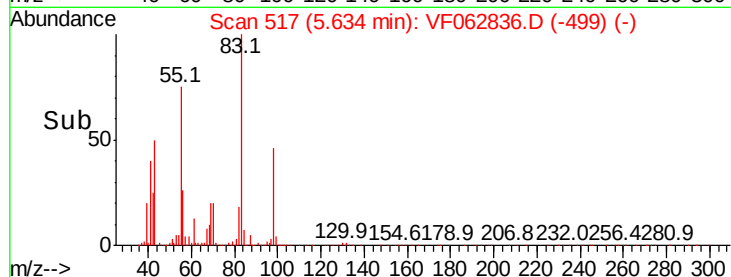
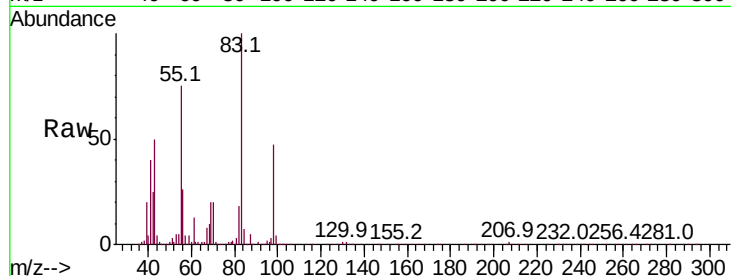
#39
Methylcyclohexane
Concen: 51.217 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	61.6	92.4
98	46.5	37.4	56.2

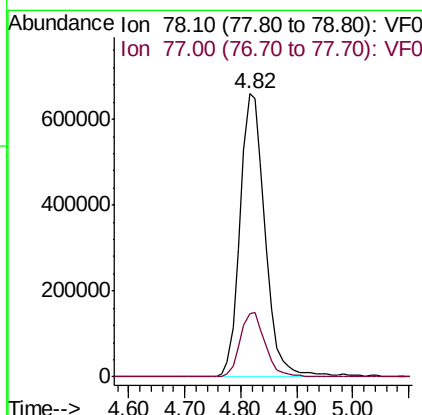
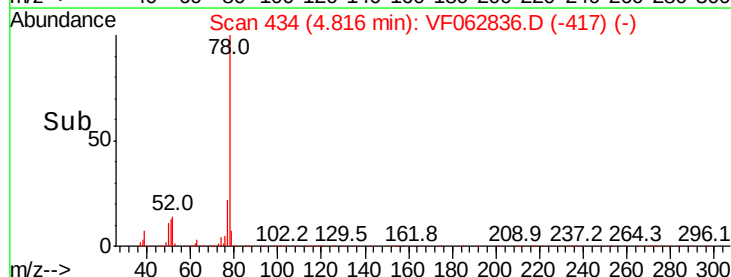
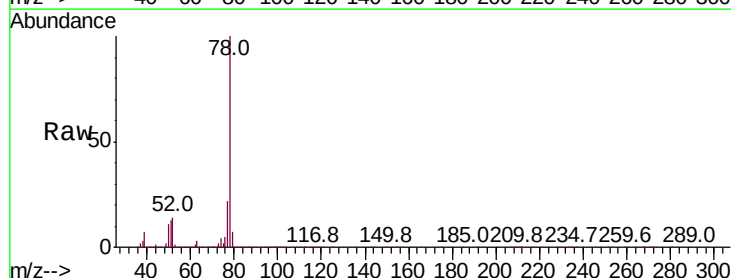
Manual Integrations
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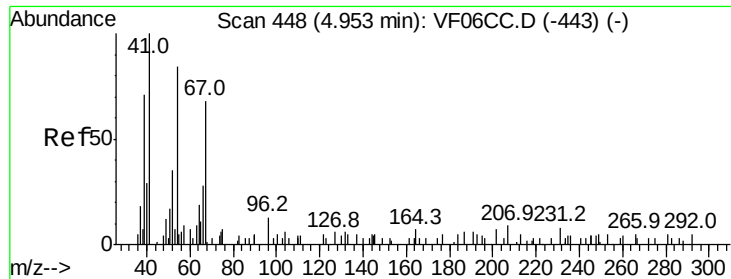
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#40
Benzene
Concen: 49.670 ug/l
RT: 4.82 min Scan# 434
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.9	28.3





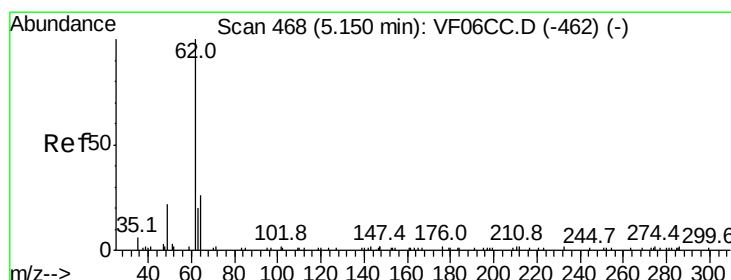
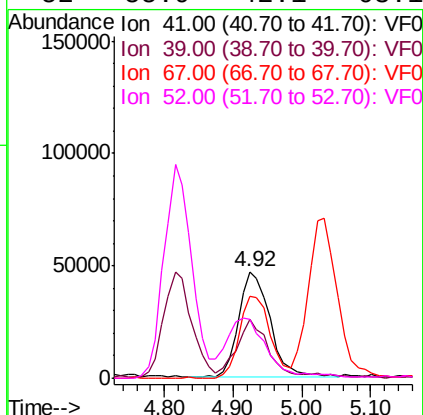
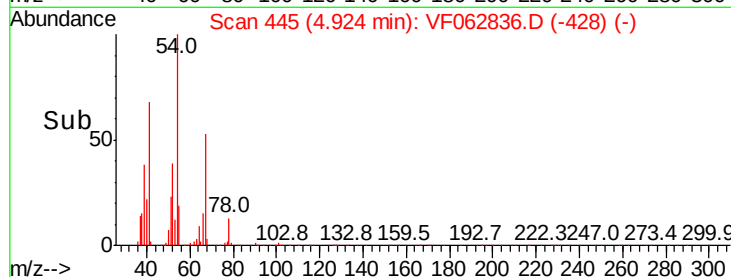
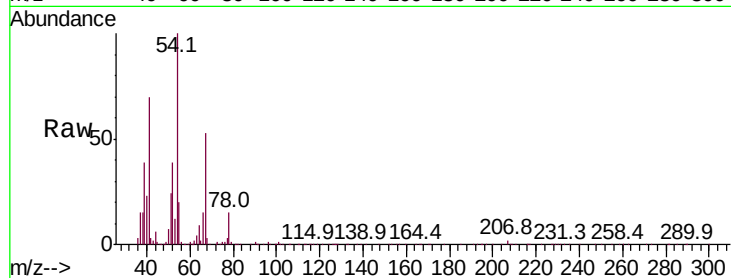
#41
Methacrylonitrile
Concen: 49.605 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.4	42.0	63.0
67	76.4	61.4	92.0
52	55.9	42.1	63.1

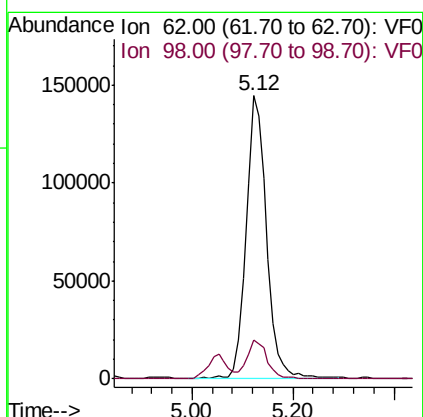
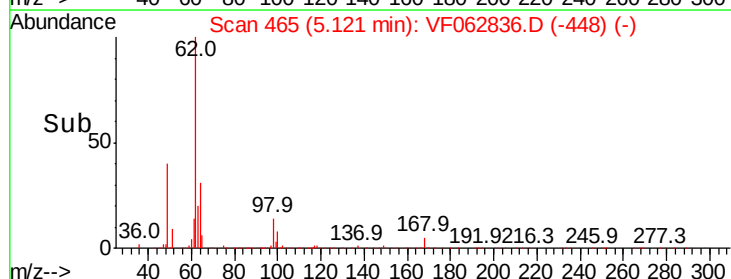
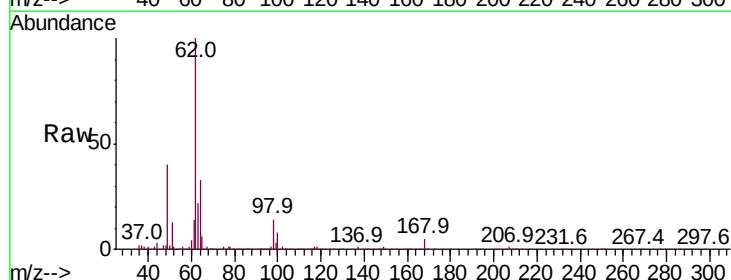
Manual Integrations
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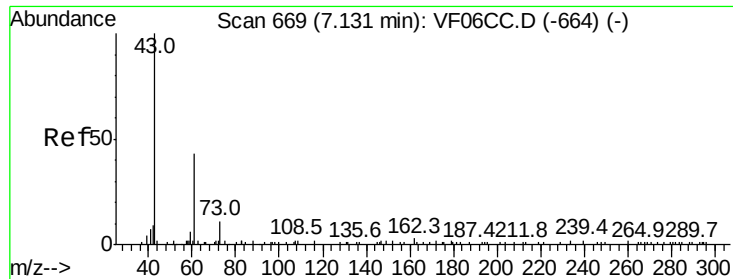
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#42
1,2-Dichloroethane
Concen: 52.446 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.6	0.0	24.0





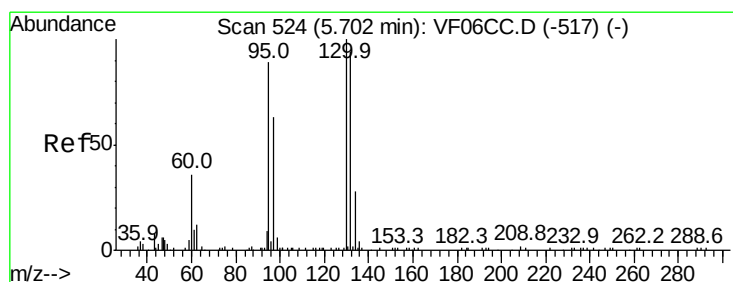
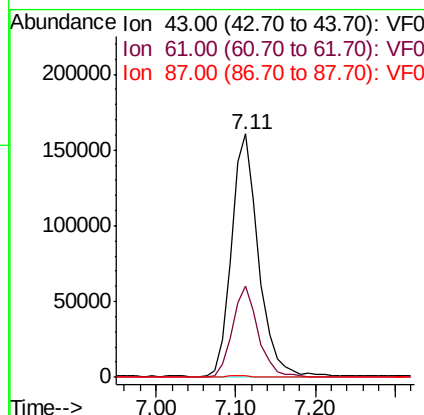
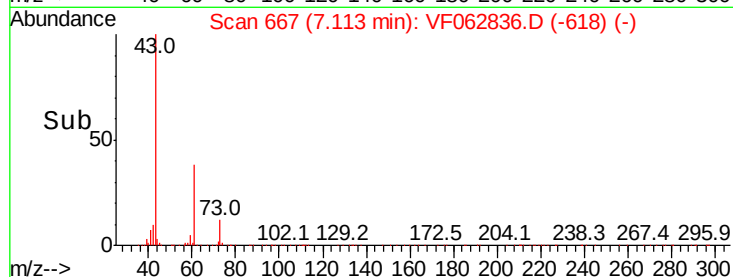
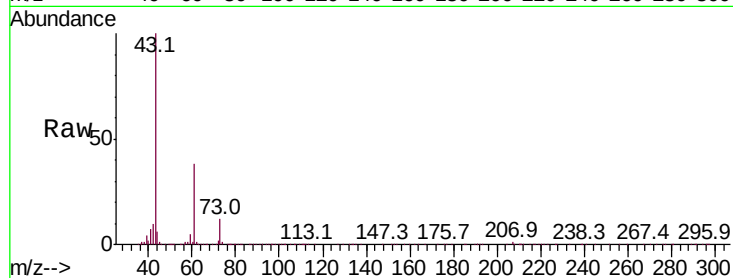
#43
Isopropyl Acetate
Concen: 53.364 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.6	29.8	44.6
87	0.5	0.3	0.5

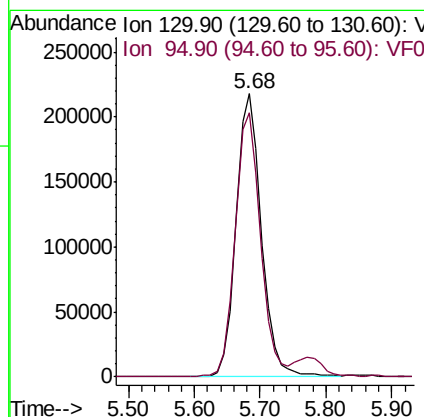
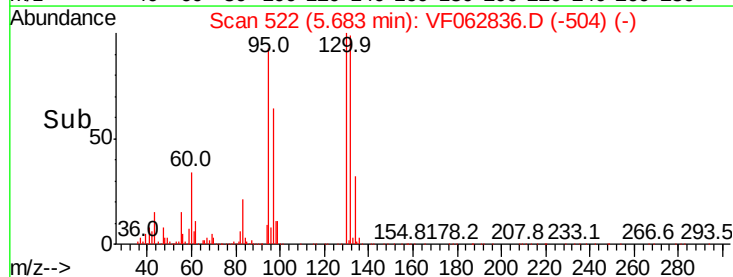
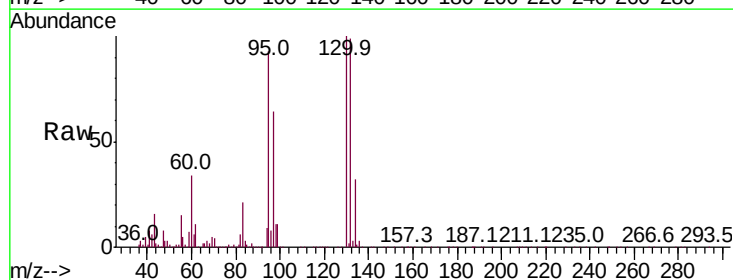
Manual Integrations
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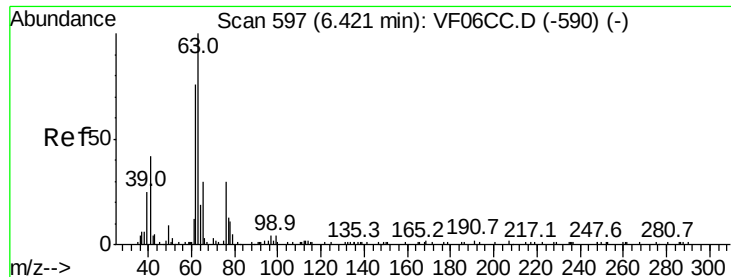
MMDadoda
6/6/2019 8:48:57 AM



#44
Trichloroethene
Concen: 50.943 ug/l
RT: 5.68 min Scan# 522
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	188.2





#45

1,2-Dichloropropane

Concen: 52.558 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

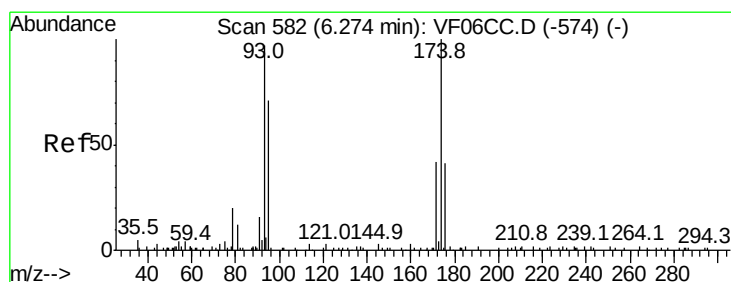
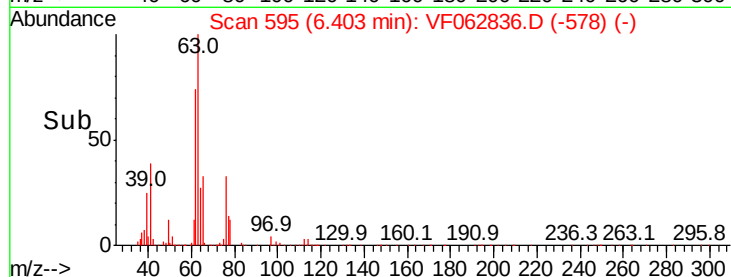
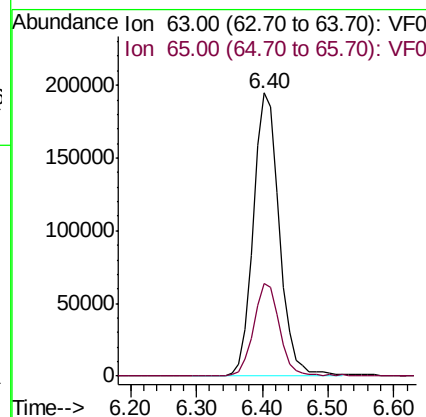
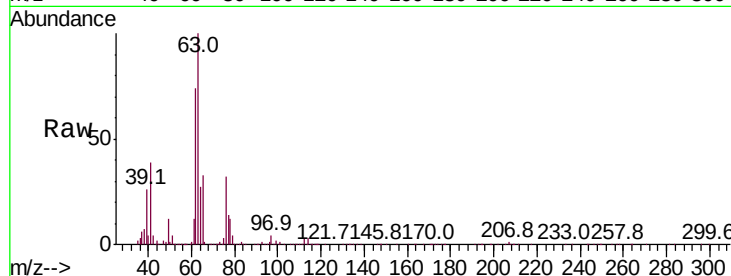
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 540474

Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.2	36.2

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#46

Dibromomethane

Concen: 51.913 ug/l

RT: 6.26 min Scan# 580

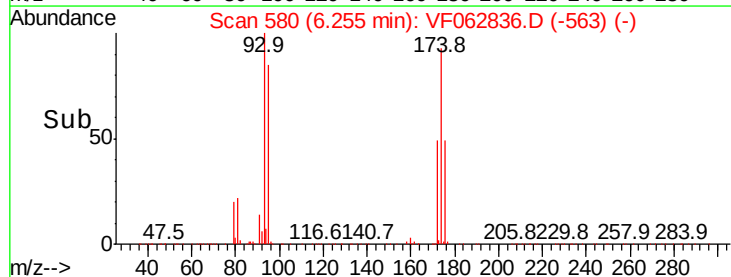
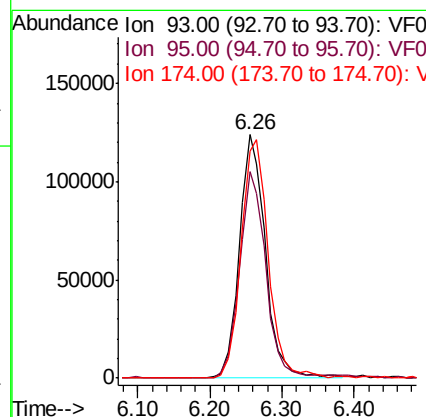
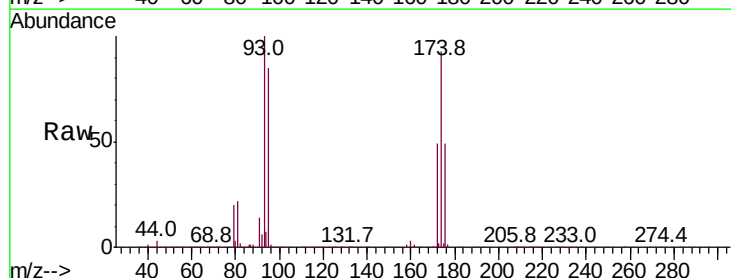
Delta R.T. -0.03 min

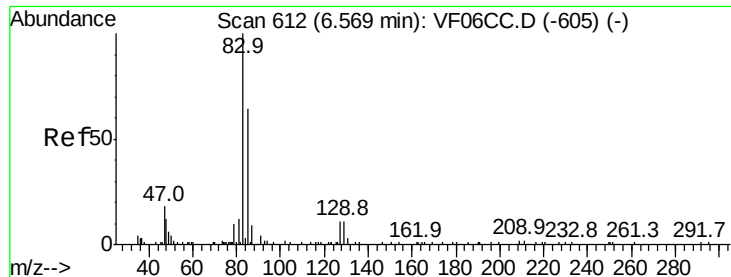
Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion: 93 Resp: 311682

Ion	Ratio	Lower	Upper
93	100		
95	84.6	67.9	101.9
174	93.1	85.0	127.4





#47

Bromodichloromethane

Concen: 51.858 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.03 min

Lab File: VF062836.D

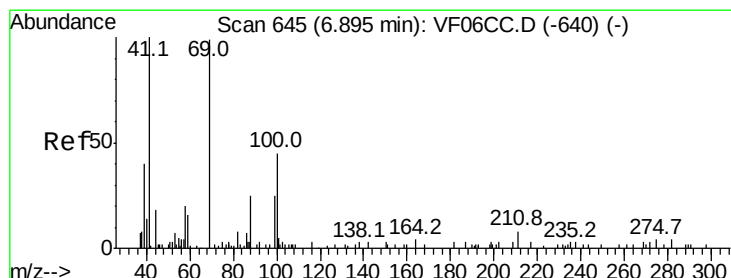
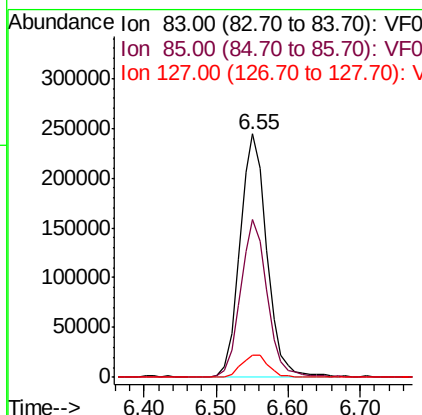
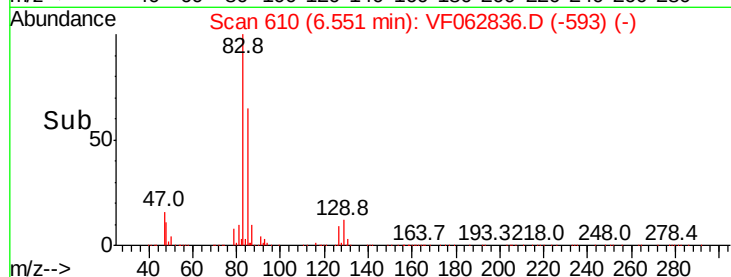
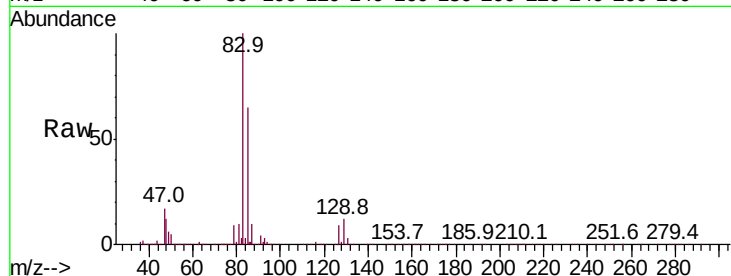
Acq: 4 Jun 2019 13:16

Tot Ion:	83	Resp:	634086
Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.2	81.4
127	8.9	7.0	10.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.433 ug/l

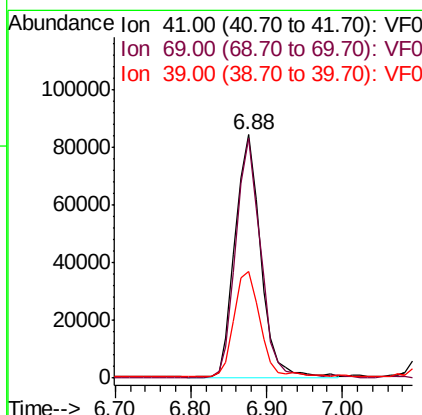
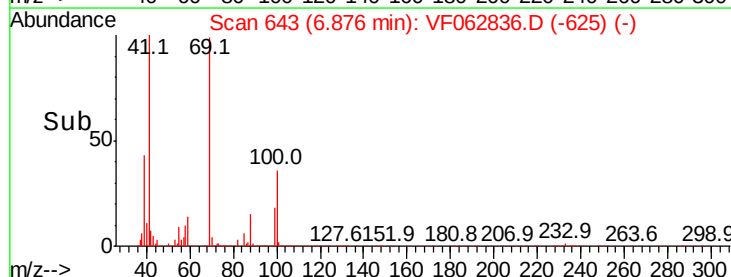
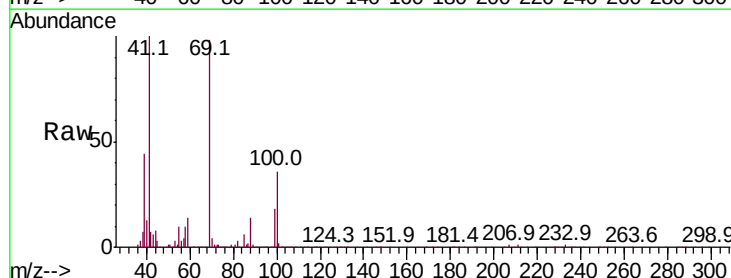
RT: 6.88 min Scan# 643

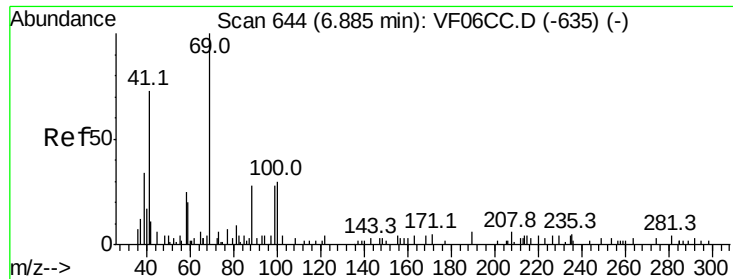
Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion:	41	Resp:	195796
Ion	Ratio	Lower	Upper
41	100		
69	98.4	79.4	119.2
39	43.6	39.8	59.6





#49

1,4-Dioxane

Concen: 984.968 ug/l

RT: 6.87 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

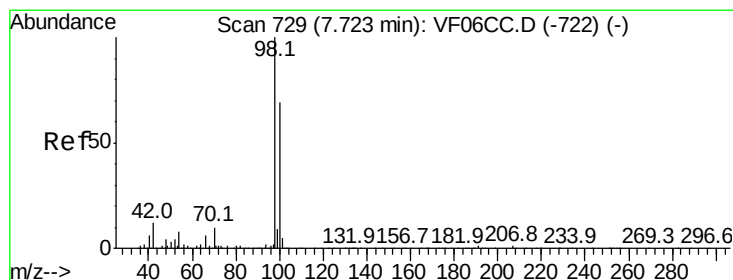
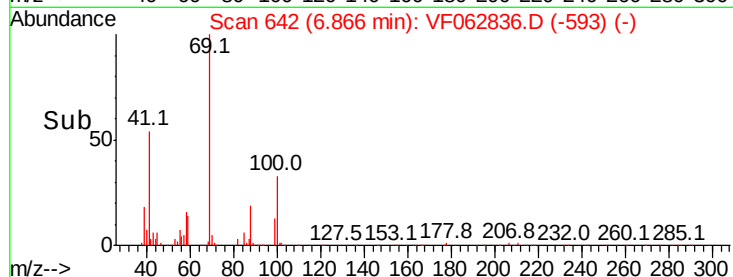
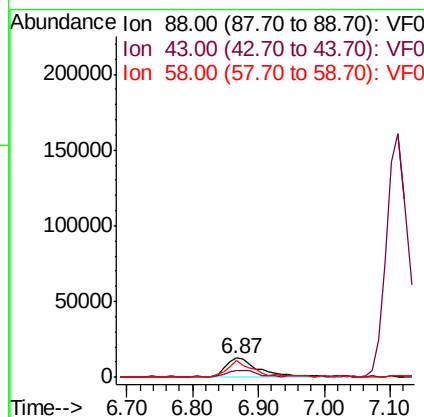
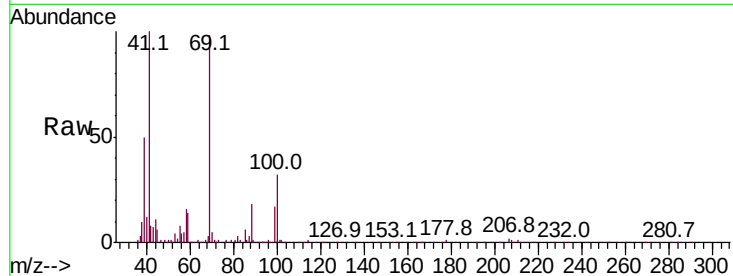
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	47574
Ion	Ratio	Lower	Upper
88	100		
43	35.9	34.8	52.2
58	85.8	59.9	89.9

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#50

Toluene-d8

Concen: 54.414 ug/l

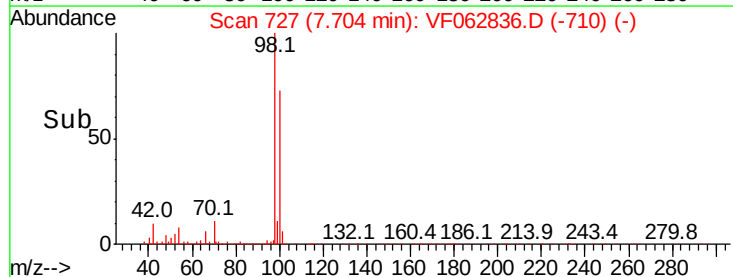
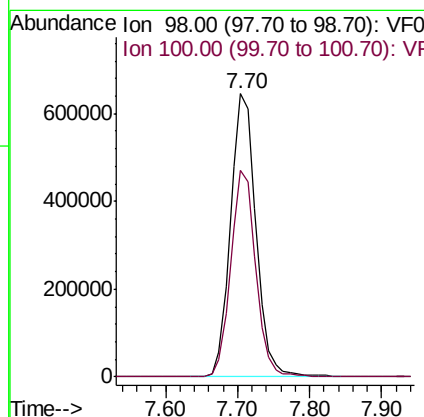
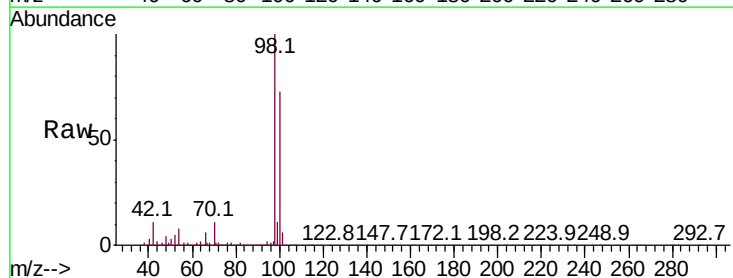
RT: 7.70 min Scan# 727

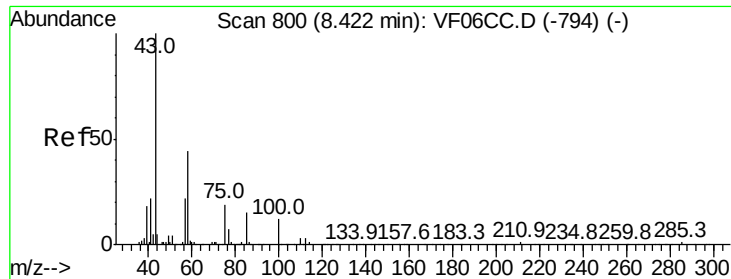
Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion:	98	Resp:	1590333
Ion	Ratio	Lower	Upper
98	100		
100	73.1	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 264.264 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1341466

Ion Ratio Lower Upper

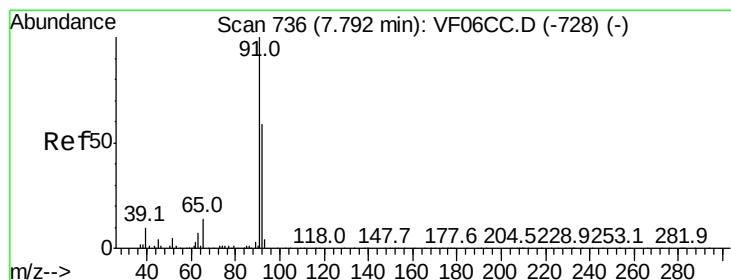
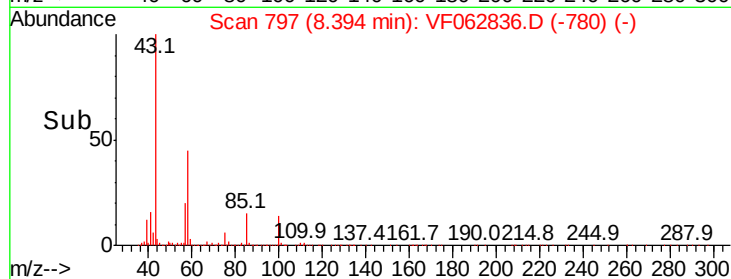
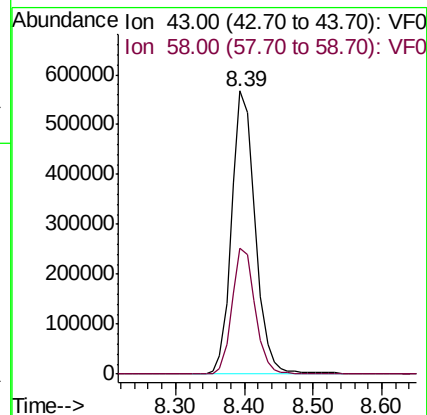
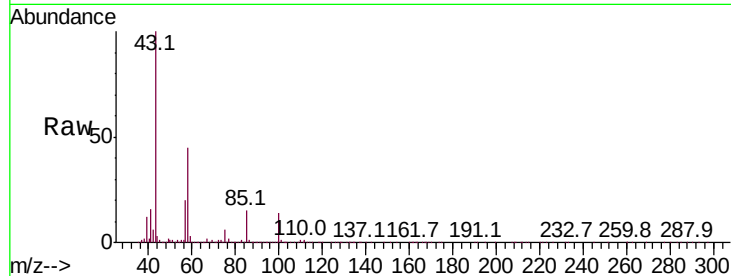
43 100

58 44.6 35.5 53.3

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#52

Toluene

Concen: 53.467 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF062836.D

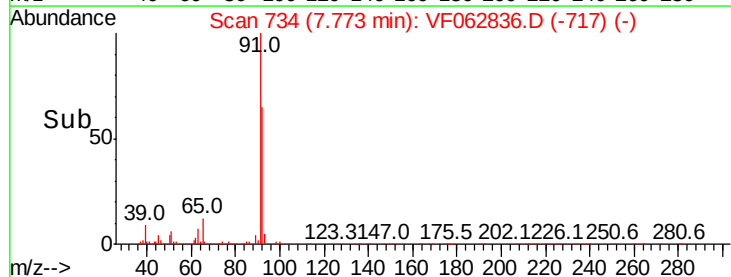
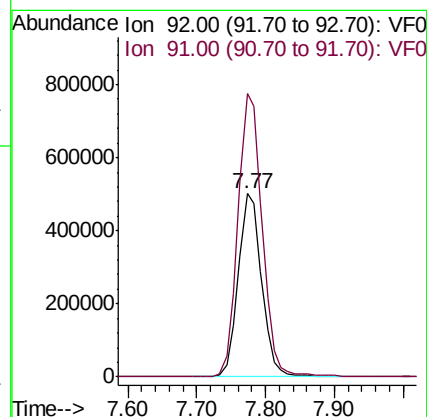
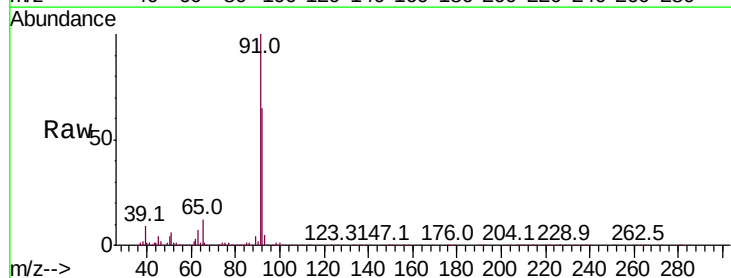
Acq: 4 Jun 2019 13:16

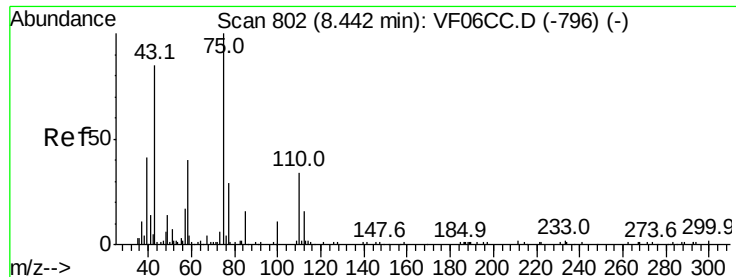
Tgt Ion: 92 Resp: 1180112

Ion Ratio Lower Upper

92 100

91 154.3 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 55.429 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 561613

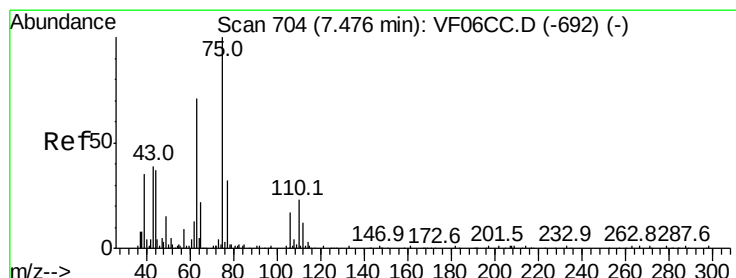
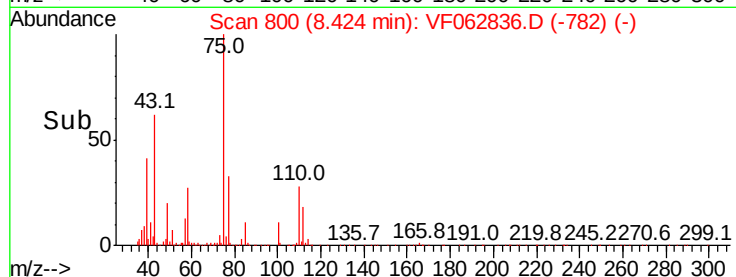
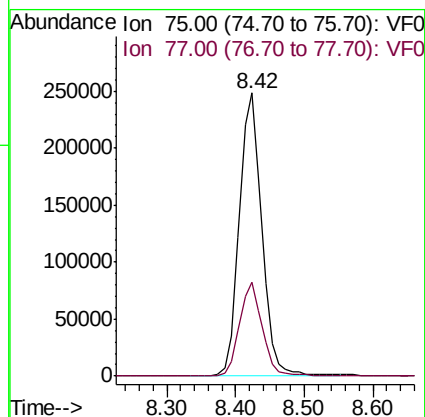
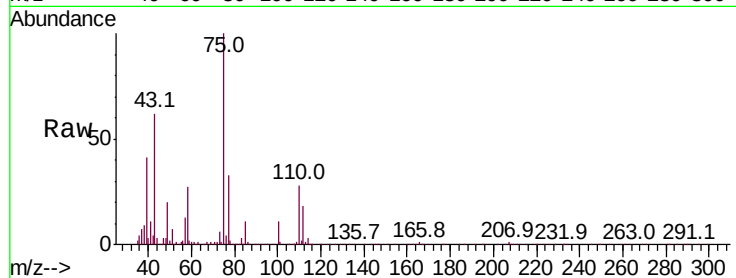
Ion Ratio Lower Upper

75 100

77 33.3 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 53.718 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

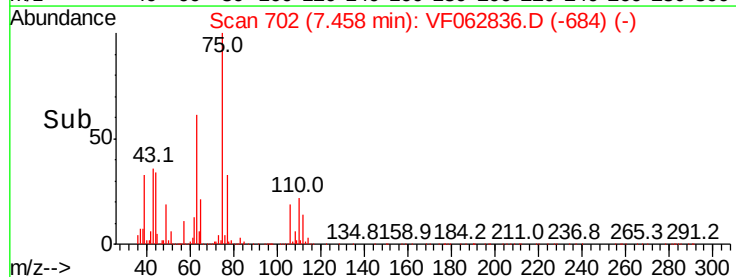
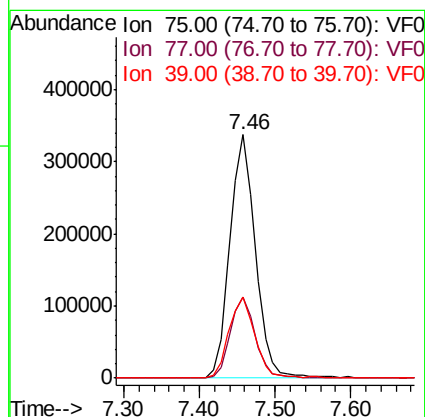
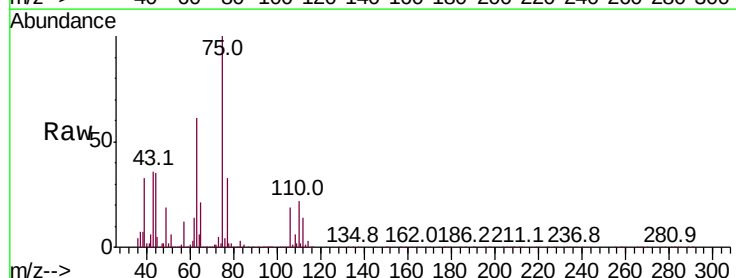
Tgt Ion: 75 Resp: 787852

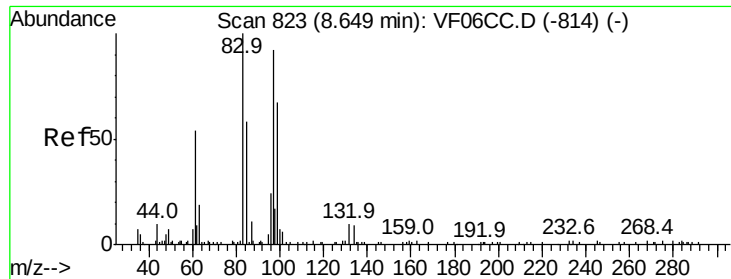
Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.8

39 33.4 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 53.784 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 354647

Ion Ratio Lower Upper

97 100

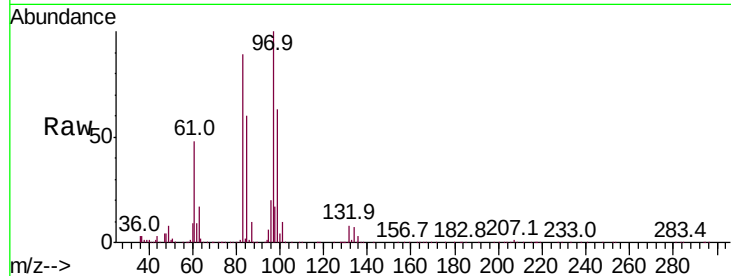
83 89.4 72.0 108.0

85 59.8 47.5 71.3

99 63.1 54.1 81.1

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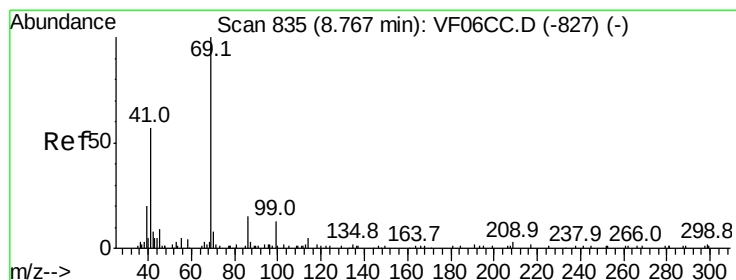
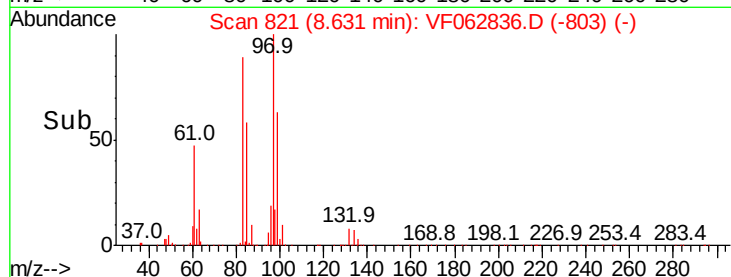
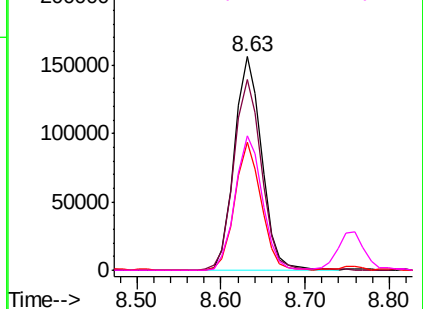


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 54.895 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

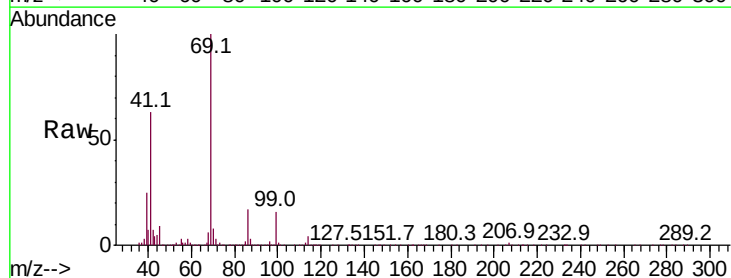
Tgt Ion: 69 Resp: 388382

Ion Ratio Lower Upper

69 100

41 62.5 46.6 69.8

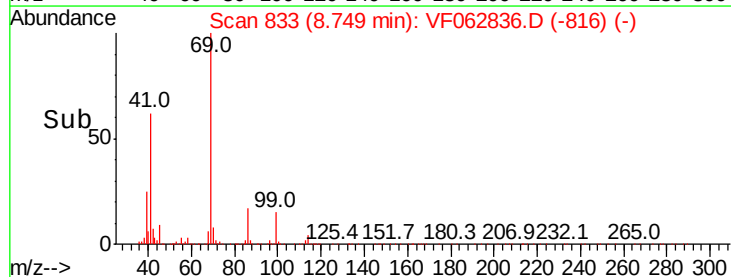
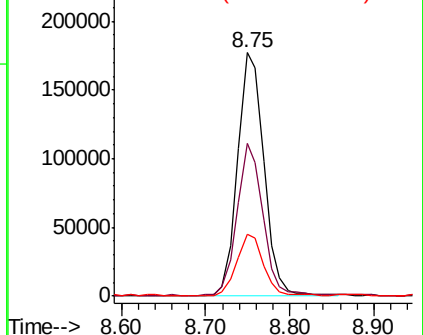
39 25.2 19.6 29.4

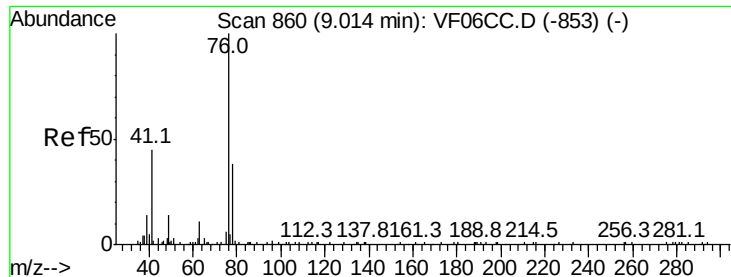


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 55.118 ug/l

RT: 9.00 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF062836.D

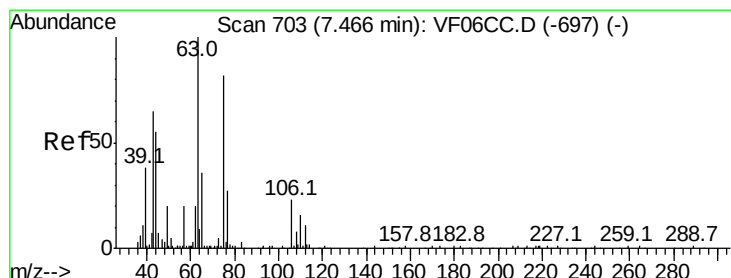
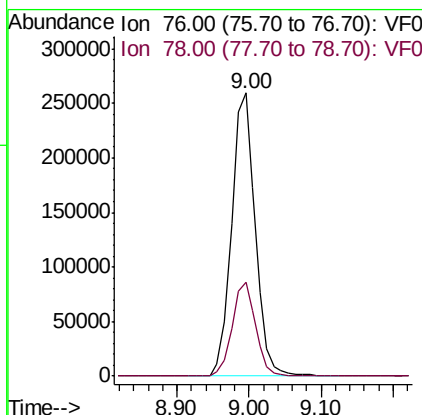
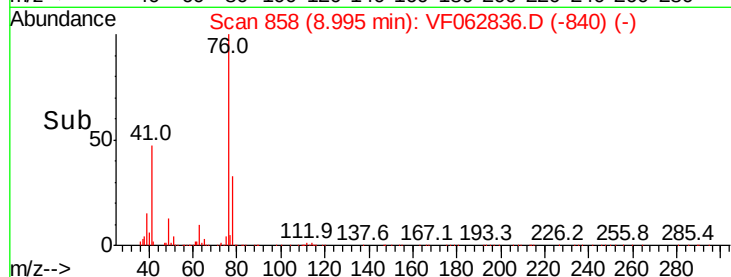
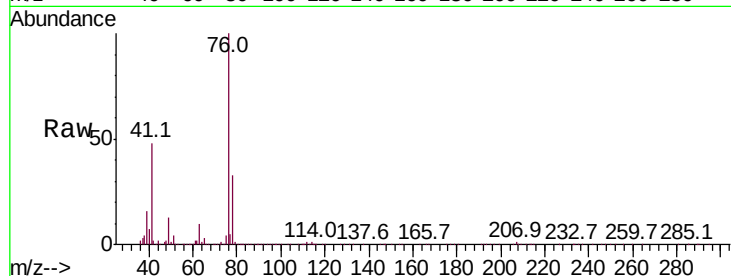
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.8	40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 257.279 ug/l

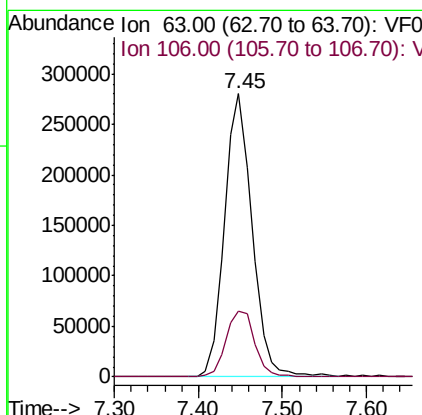
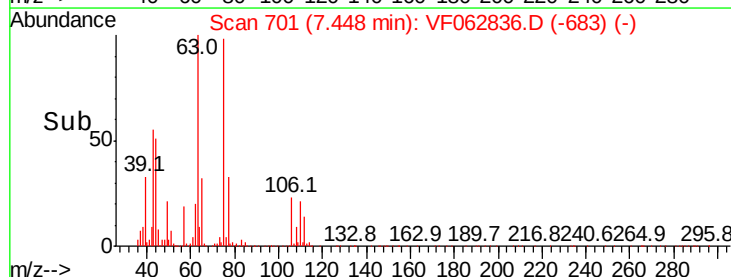
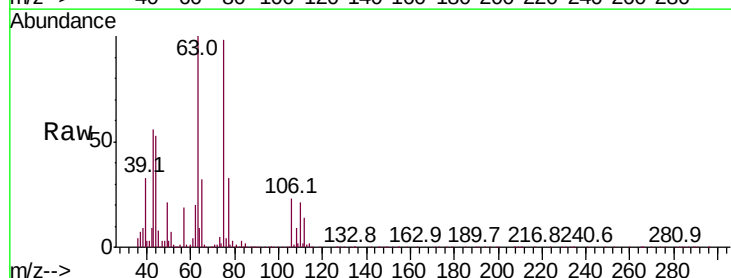
RT: 7.45 min Scan# 701

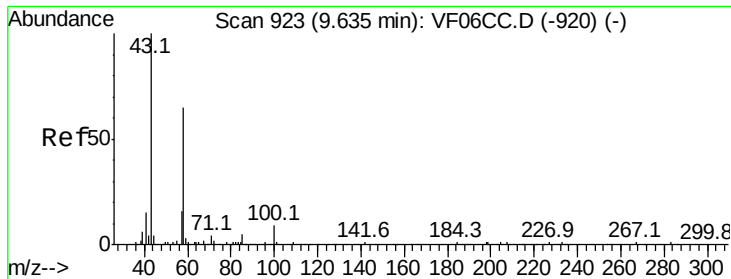
Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.2	19.5	29.3





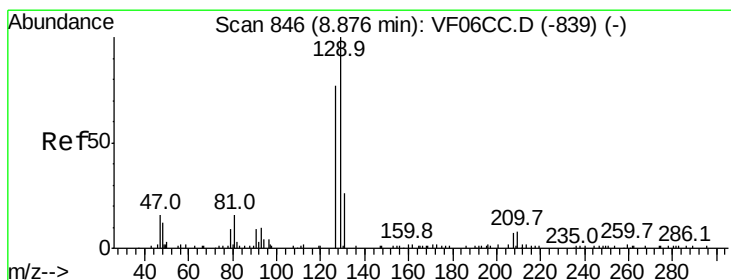
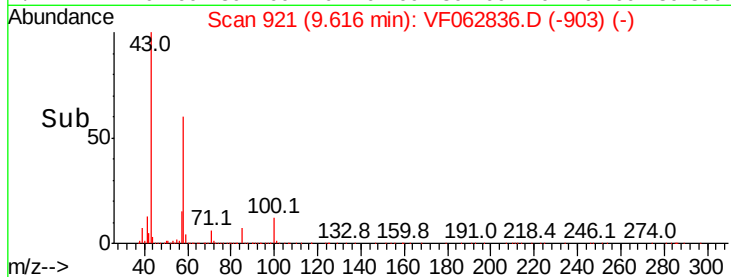
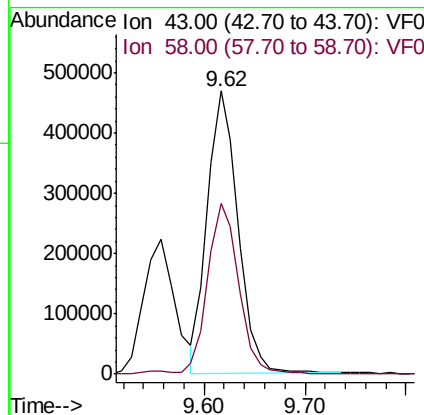
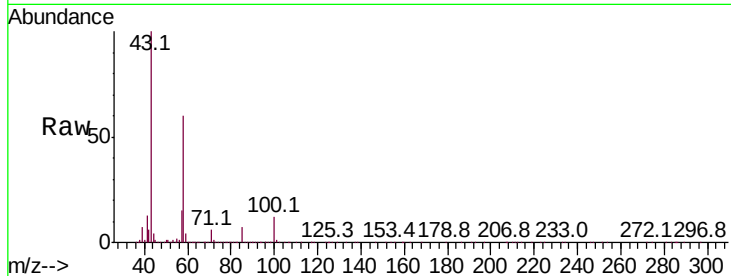
#59
2-Hexanone
Concen: 274.776 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.3	29.3	87.9

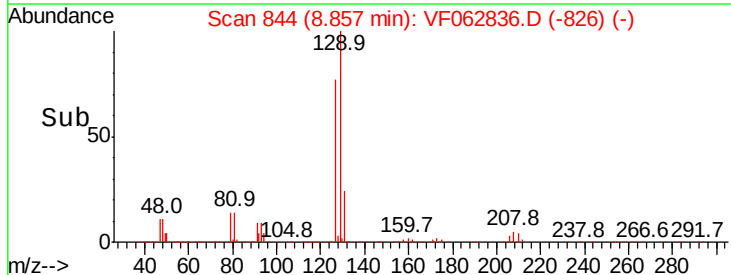
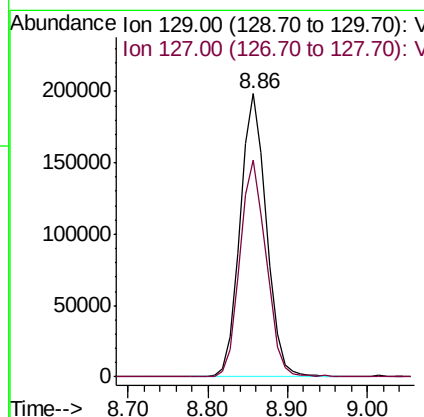
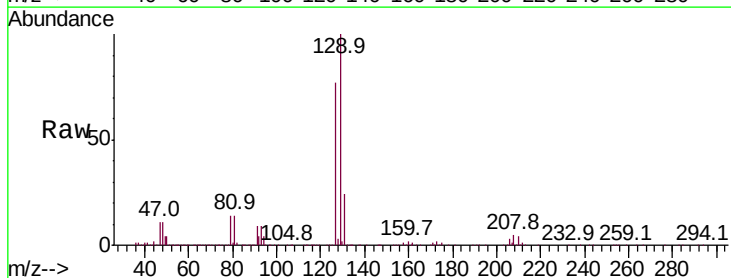
Manual Integrations
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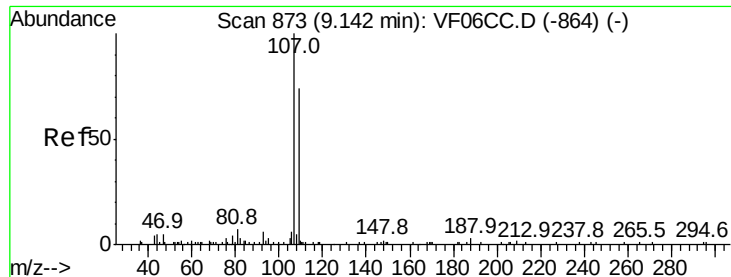
MMDadoda
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#60
Dibromochloromethane
Concen: 55.527 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	37.1	111.3





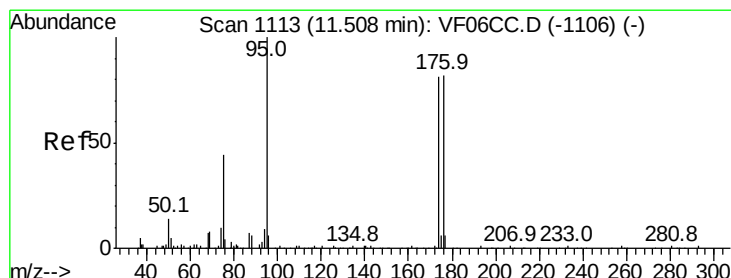
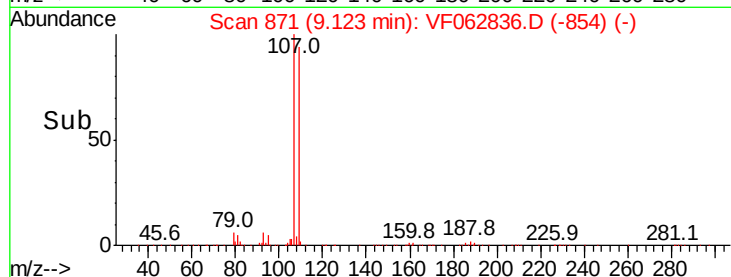
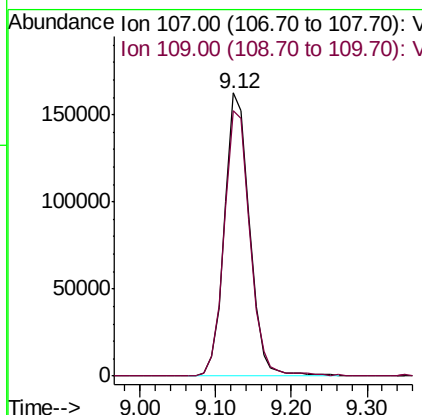
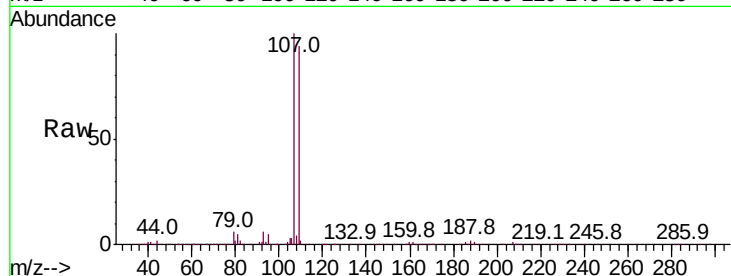
#61
 1,2-Dibromoethane
 Concen: 54.399 ug/l
 RT: 9.12 min Scan# 871
 Delta R.T. -0.03 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	78.1	117.1

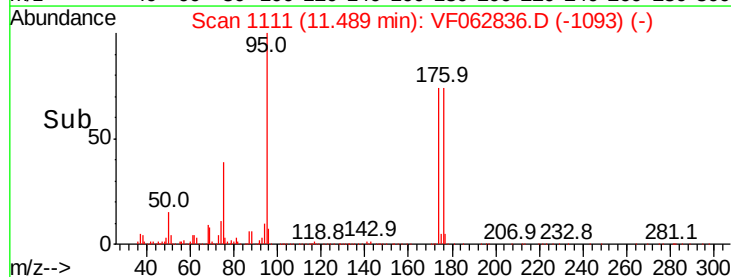
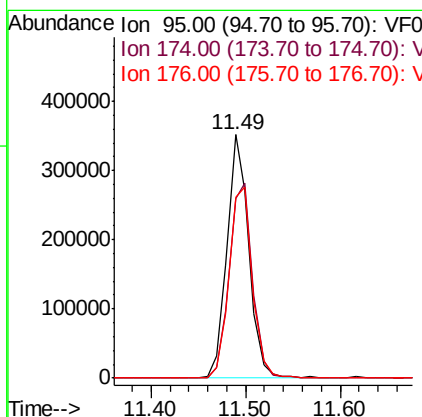
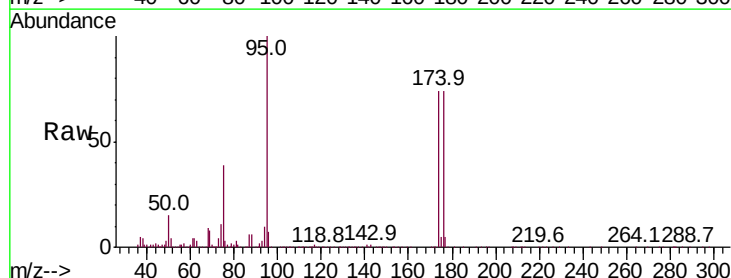
Manual Integrations
 APPROVED

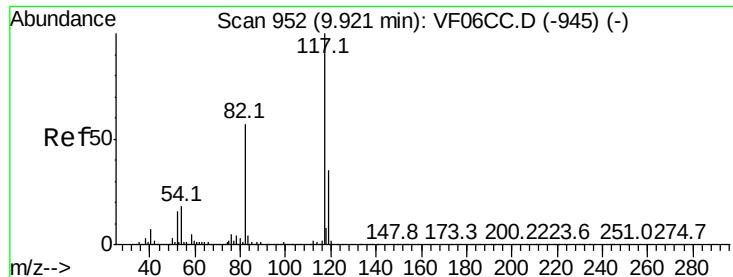
MMDadoda
 6/6/2019 8:48:57 AM



#62
 4-Bromofluorobenzene
 Concen: 53.550 ug/l
 RT: 11.49 min Scan# 1111
 Delta R.T. -0.02 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	170.6
176	74.4	0.0	170.6





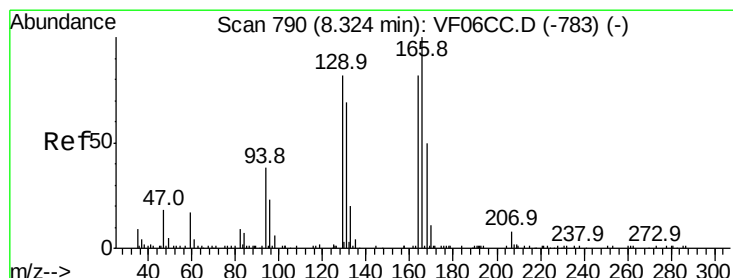
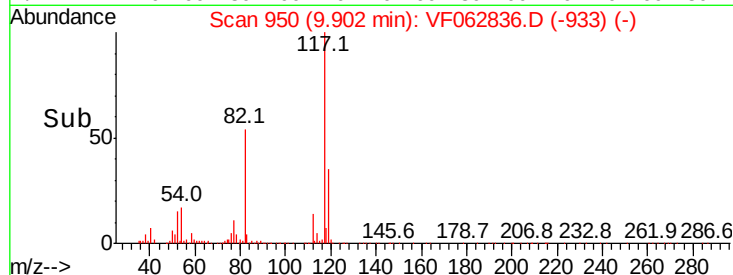
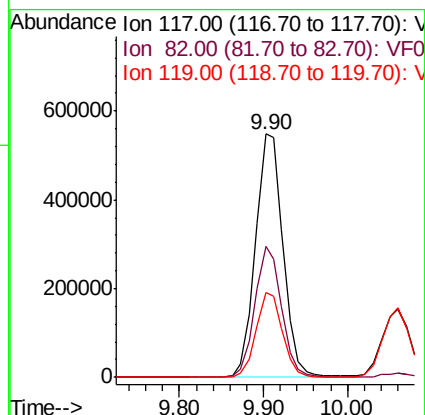
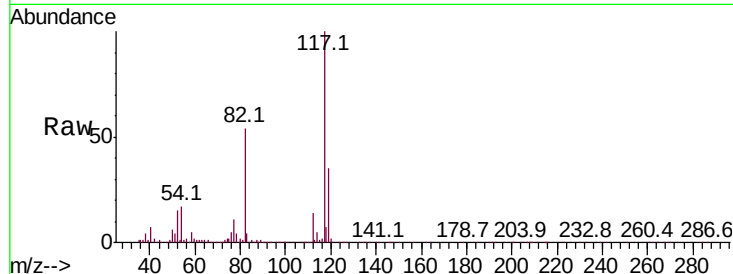
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.4	63.6
119	34.7	27.1	40.7

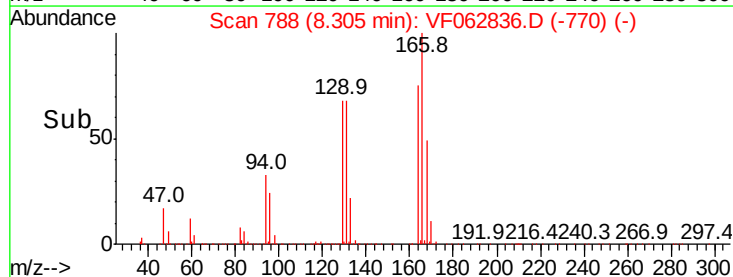
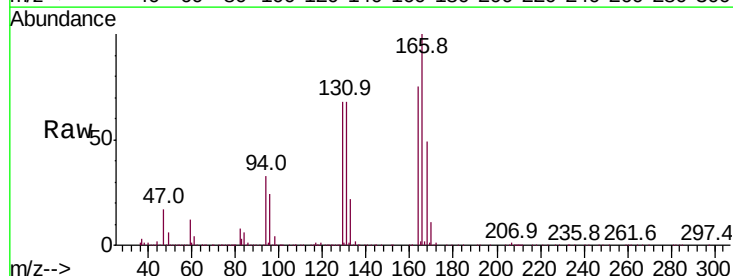
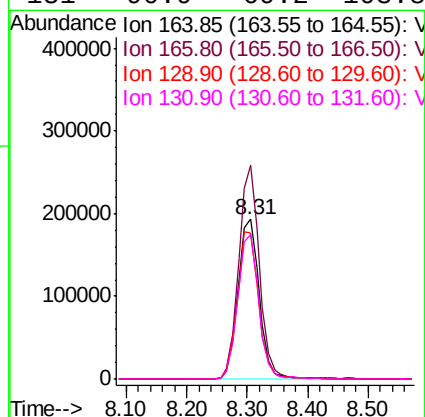
Manual Integrations
APPROVED

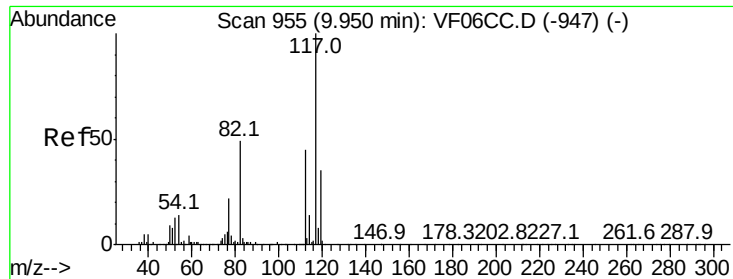
MMDadoda
6/6/2019 8:48:57 AM



#64
Tetrachloroethene
Concen: 48.647 ug/l
RT: 8.31 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.7	99.1	148.7
129	91.0	69.5	104.3
131	90.9	69.2	103.8





#65

Chlorobenzene

Concen: 49.557 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1211269

Ion Ratio Lower Upper

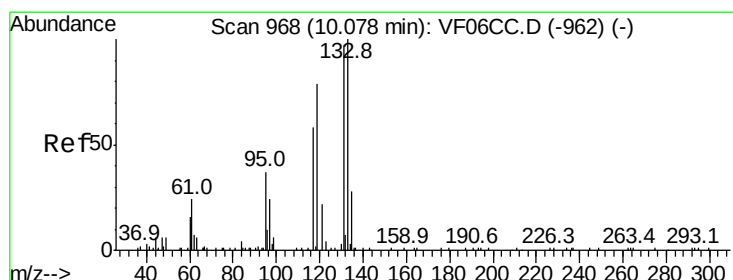
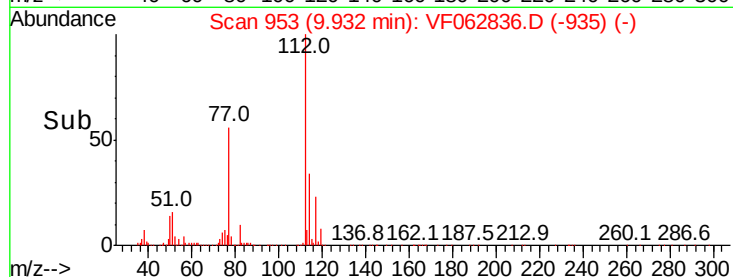
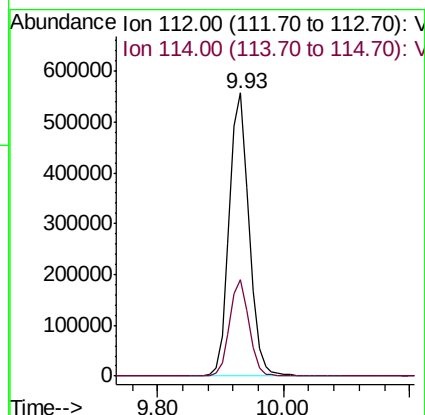
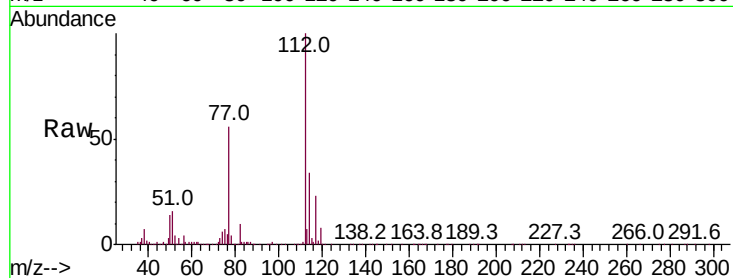
112 100

114 34.1 27.4 41.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 48.391 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

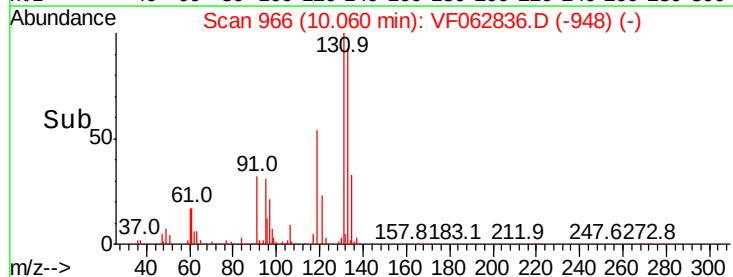
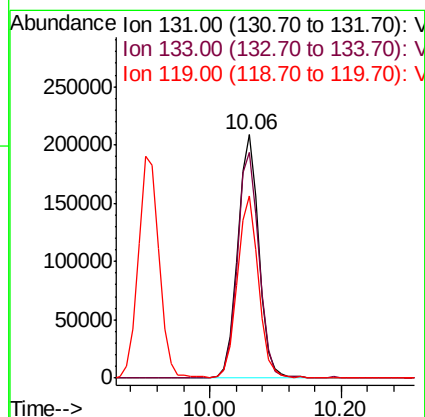
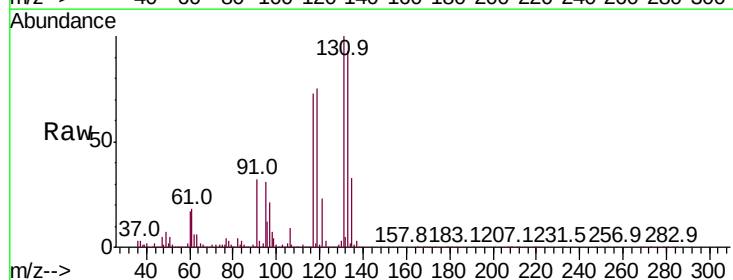
Tgt Ion:131 Resp: 471052

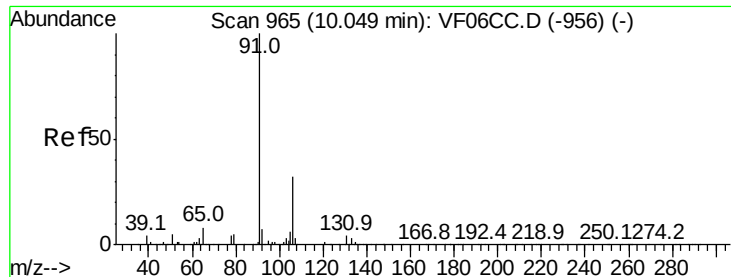
Ion Ratio Lower Upper

131 100

133 92.8 48.9 146.7

119 74.6 38.0 114.0





#67

Ethyl Benzene

Concen: 47.873 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2007969

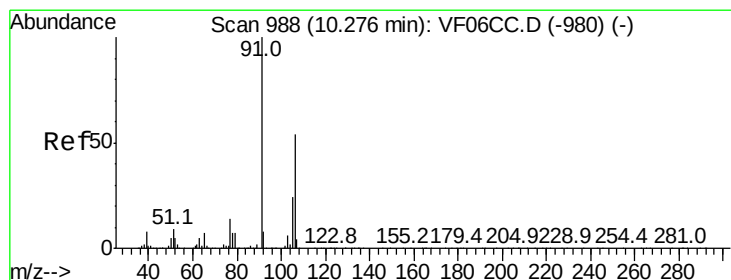
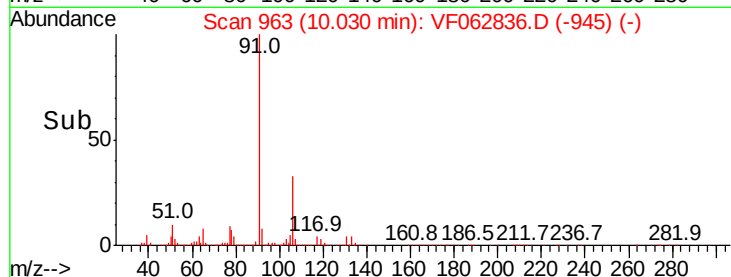
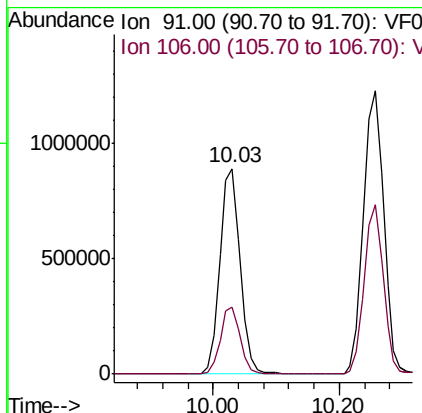
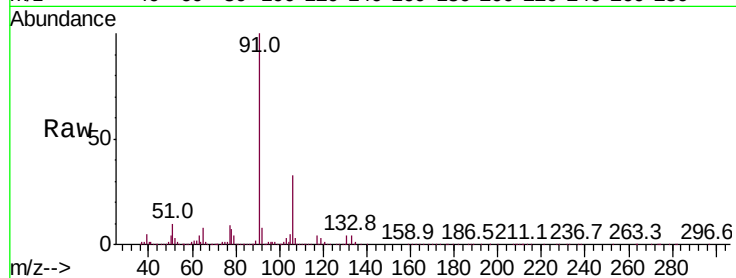
Ion Ratio Lower Upper

91 100

106 32.7 26.0 39.0

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#68

m/p-Xylenes

Concen: 95.858 ug/l

RT: 10.26 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF062836.D

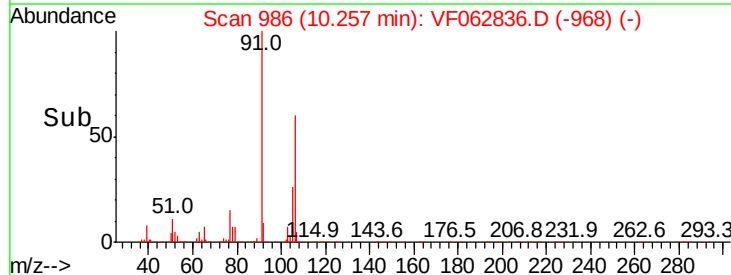
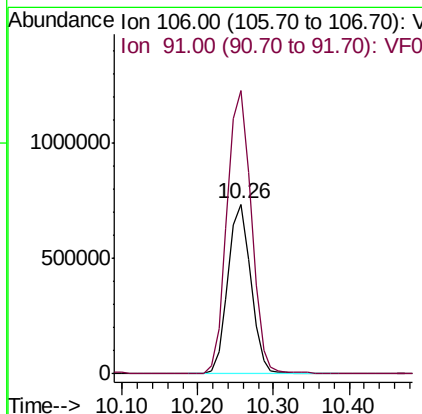
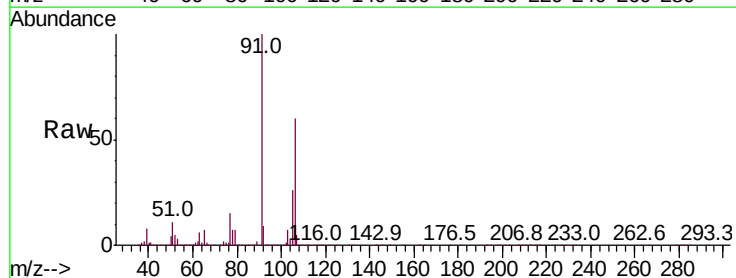
Acq: 4 Jun 2019 13:16

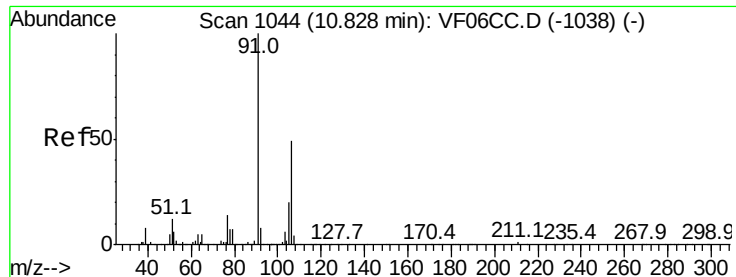
Tgt Ion: 106 Resp: 1538544

Ion Ratio Lower Upper

106 100

91 166.6 136.2 204.4





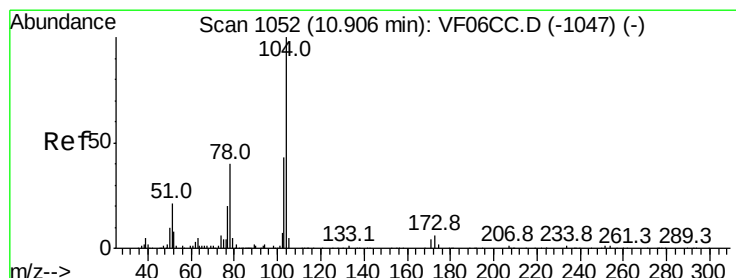
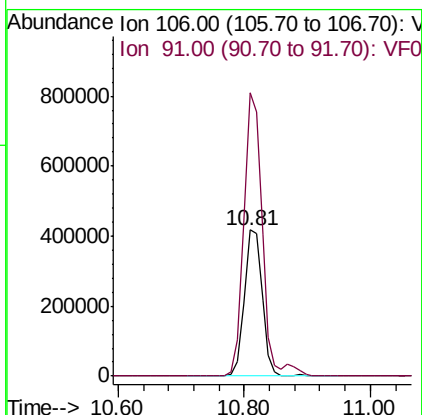
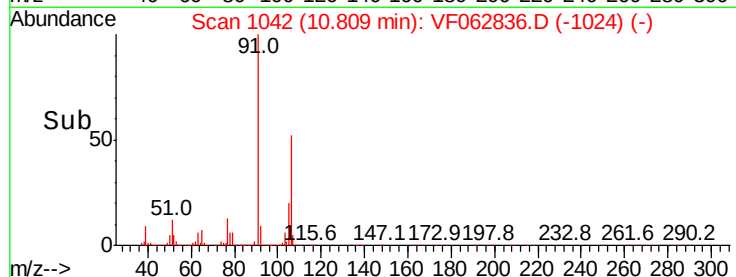
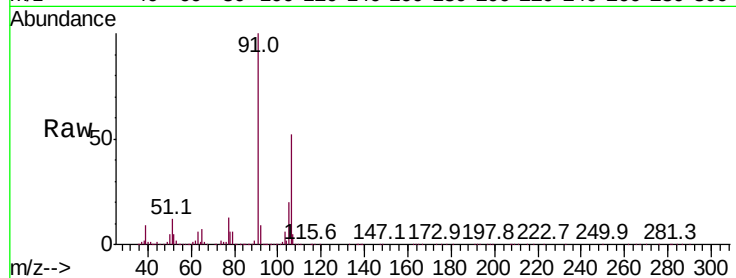
#69
o-Xylene
Concen: 50.337 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 817993
Ion Ratio Lower Upper
106 100
91 193.7 96.6 289.8

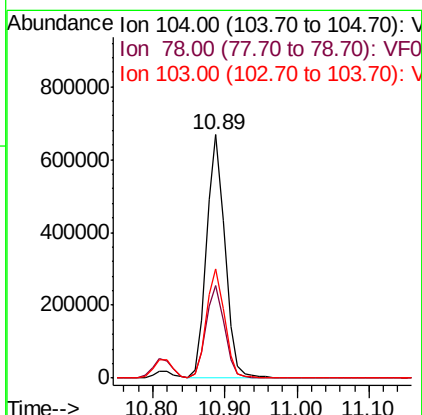
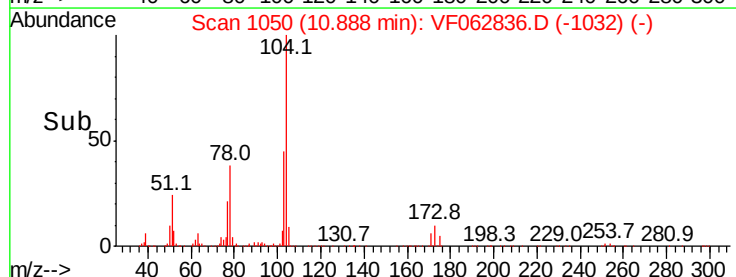
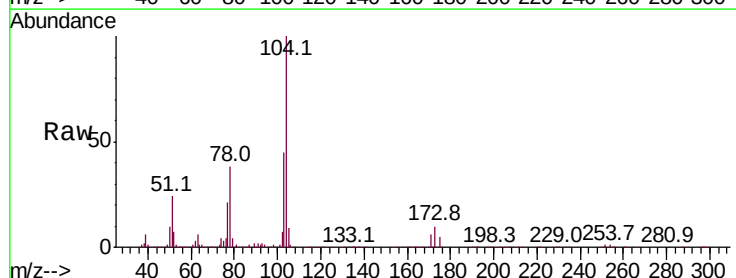
Manual Integrations
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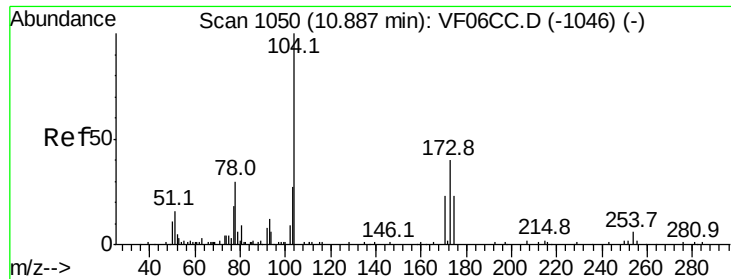
MMDadoda
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#70
Styrene
Concen: 49.046 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion:104 Resp: 1174743
Ion Ratio Lower Upper
104 100
78 38.2 30.8 46.2
103 45.0 35.8 53.6





#71

Bromoform

Concen: 52.014 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 242888

Ion Ratio Lower Upper

173 100

175 47.9 24.6 74.0

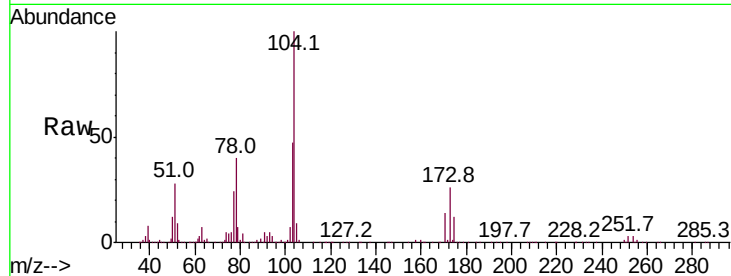
254 0.2 0.1 0.1#

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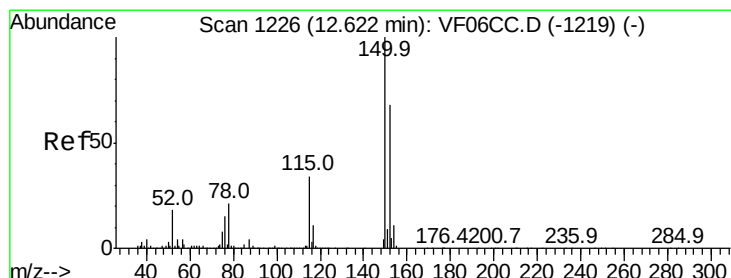
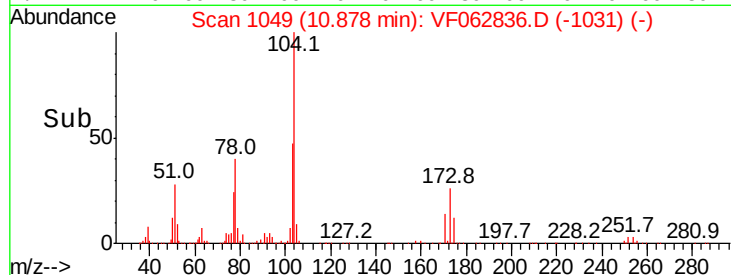
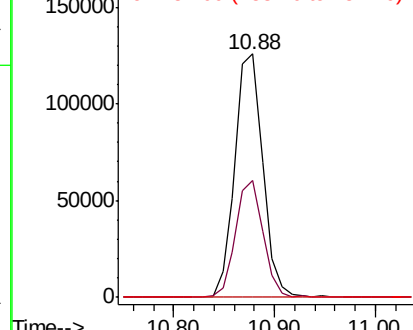


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

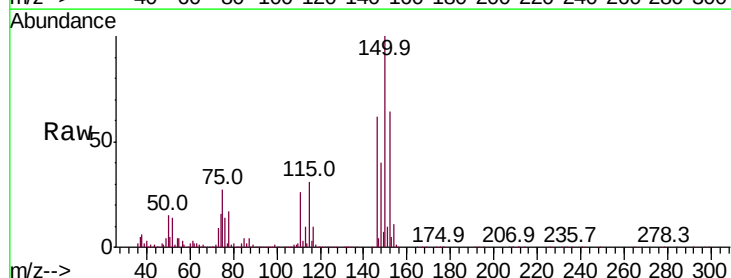
Tgt Ion:152 Resp: 598559

Ion Ratio Lower Upper

152 100

115 48.3 24.6 74.0

150 155.7 0.0 290.6

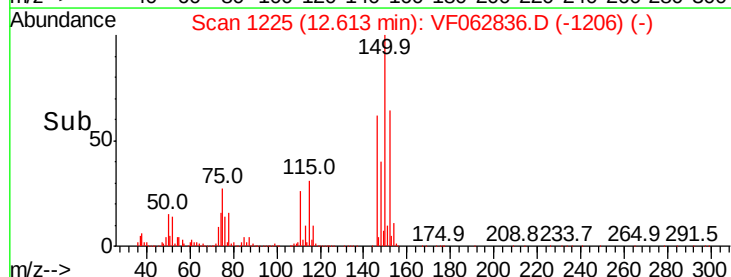
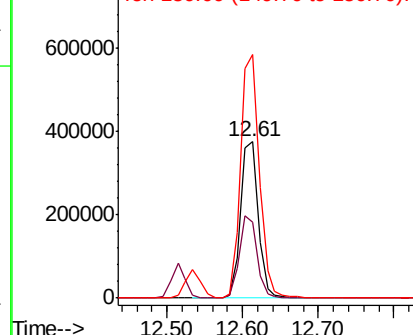


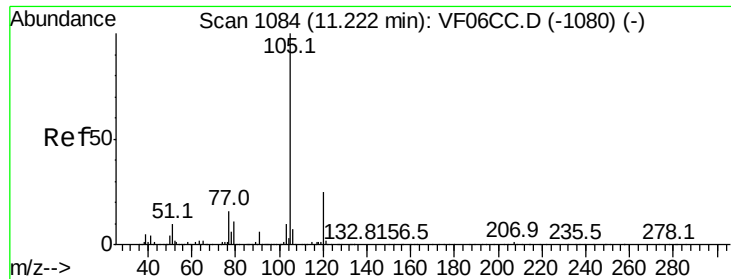
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 48.821 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2039005

Ion Ratio Lower Upper

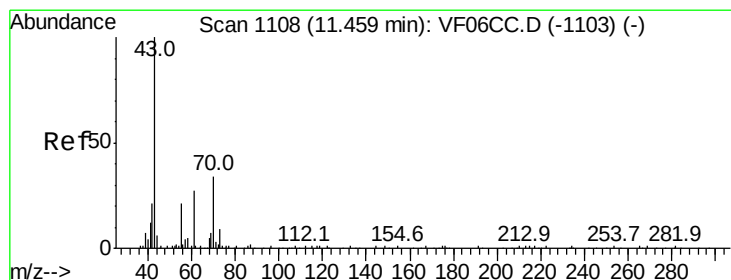
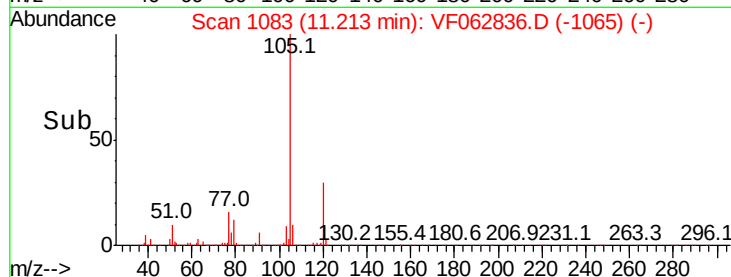
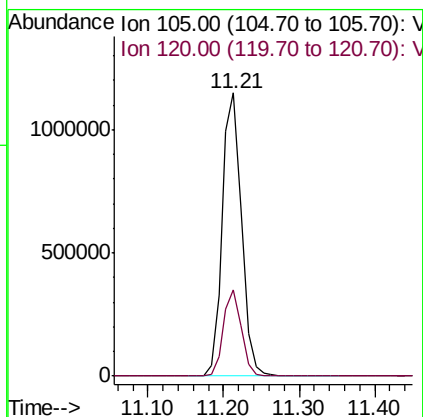
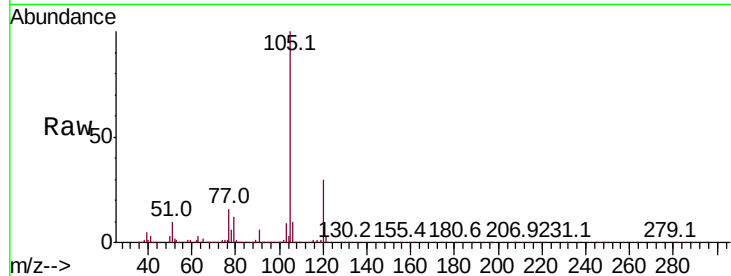
105 100

120 30.4 15.1 45.3

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#74

N-ethyl acetate

Concen: 47.210 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion: 43 Resp: 555721

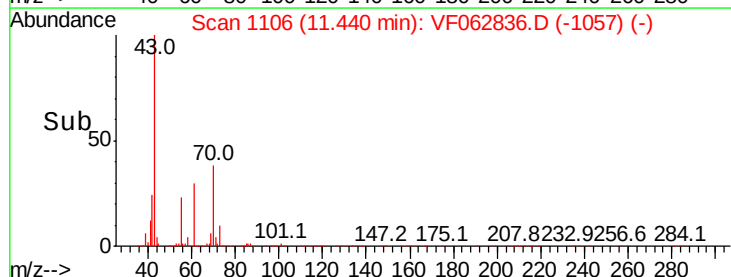
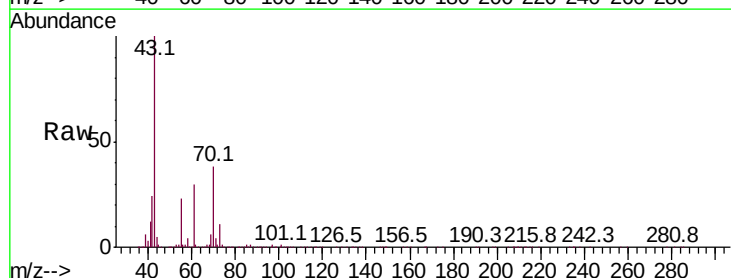
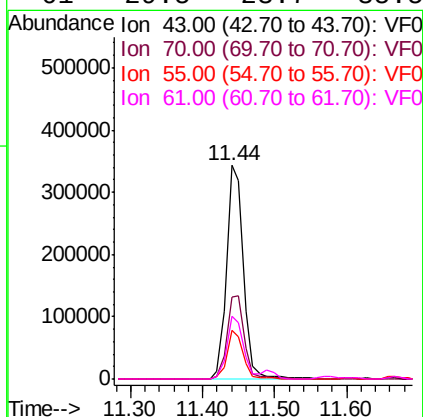
Ion Ratio Lower Upper

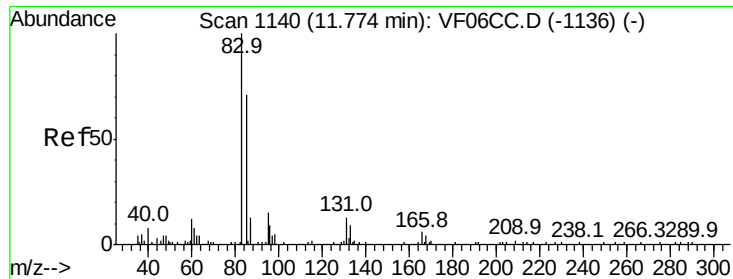
43 100

70 38.4 32.9 49.3

55 22.6 17.3 25.9

61 29.5 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.080 ug/l

RT: 11.77 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 428828

Ion Ratio Lower Upper

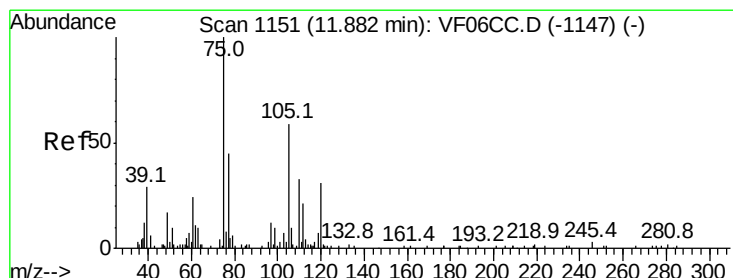
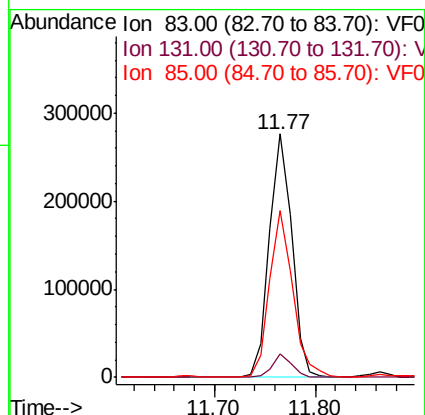
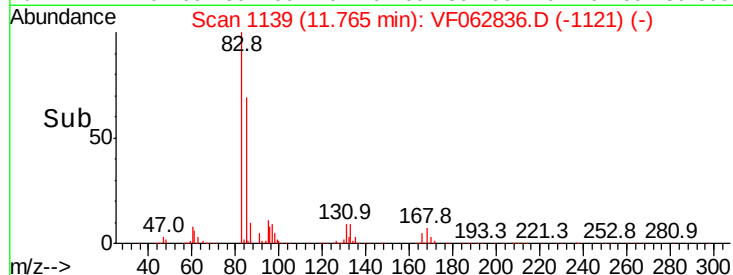
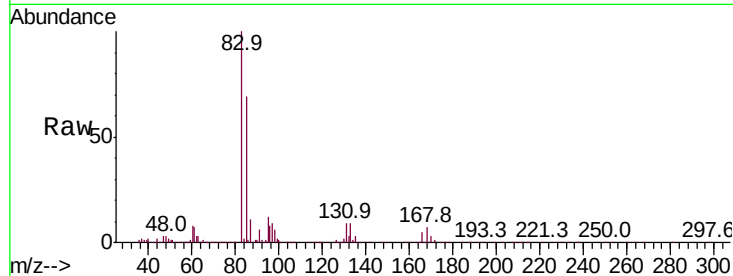
83 100

131 9.4 4.9 14.7

85 68.7 32.1 96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.222 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062836.D

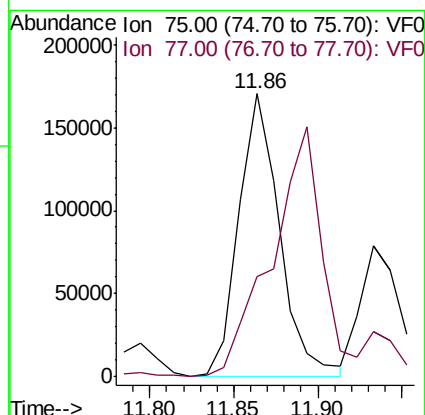
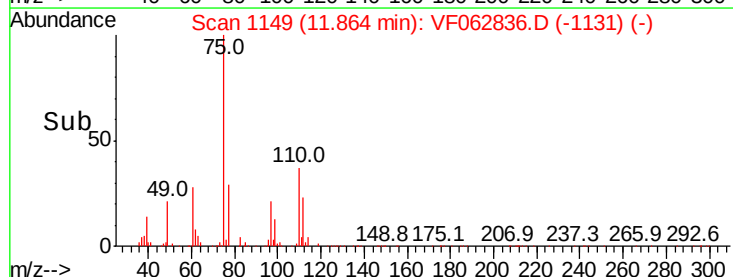
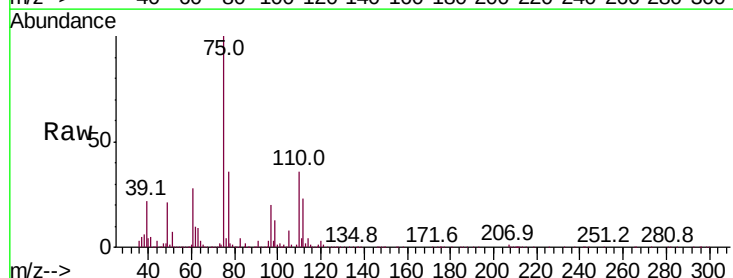
Acq: 4 Jun 2019 13:16

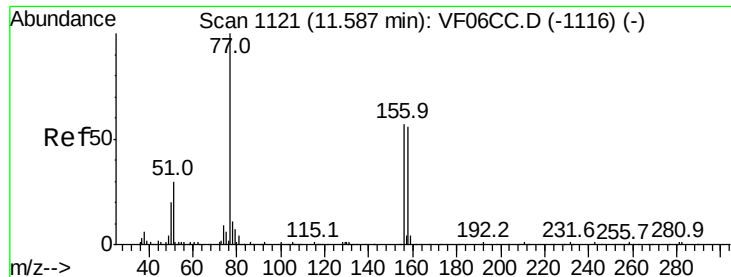
Tgt Ion: 75 Resp: 285092

Ion Ratio Lower Upper

75 100

77 35.6 20.1 60.2





#77

Bromobenzene

Concen: 49.822 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

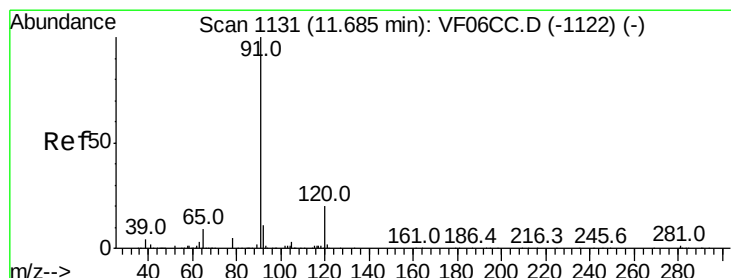
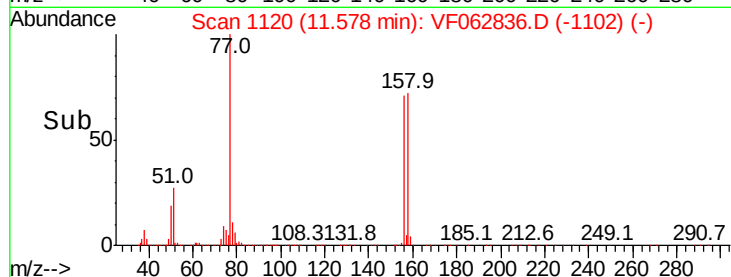
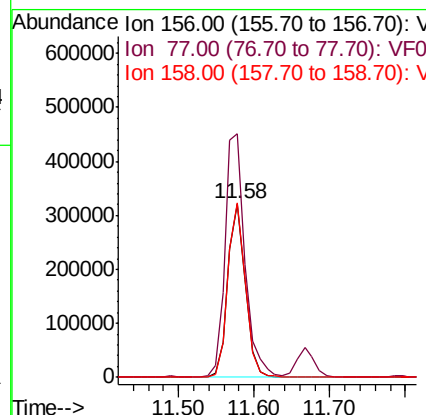
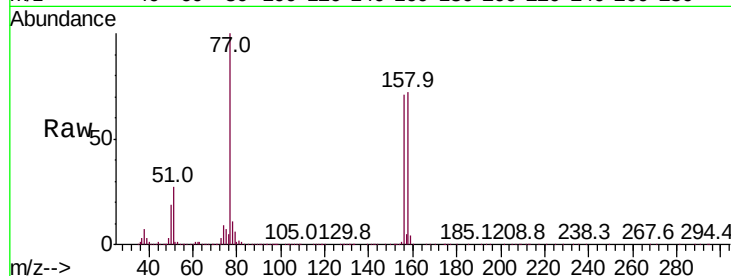
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	522829
Ion Ratio	Lower	Upper	
156	100		
77	140.3	64.2	192.6
158	100.4	50.3	151.0

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#78

n-propylbenzene

Concen: 47.103 ug/l

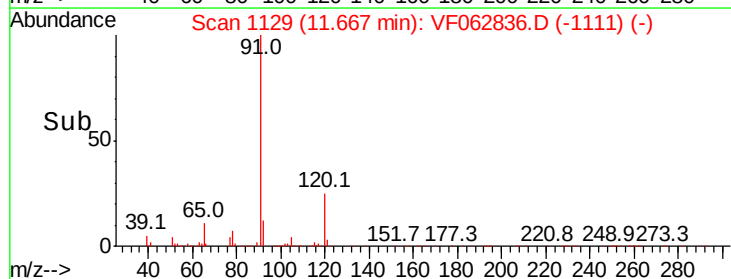
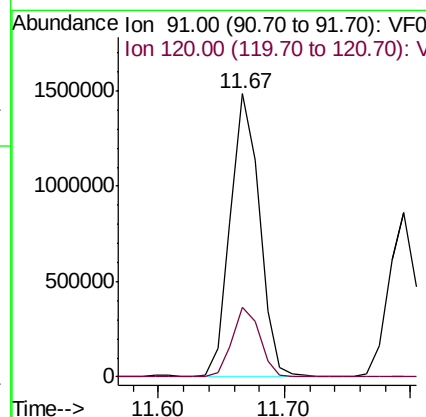
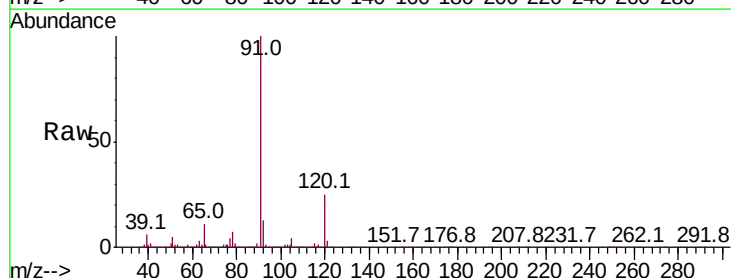
RT: 11.67 min Scan# 1129

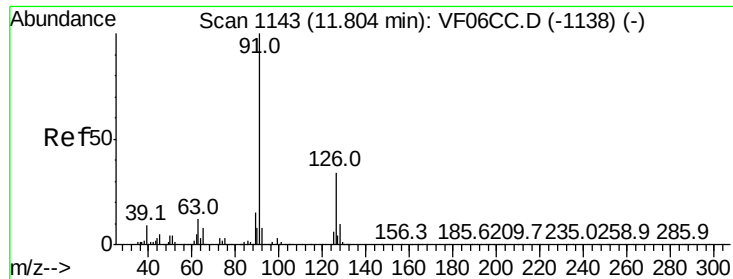
Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion:	91	Resp:	2375321
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.8	38.4





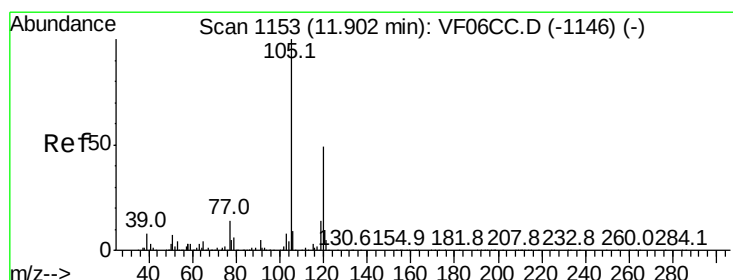
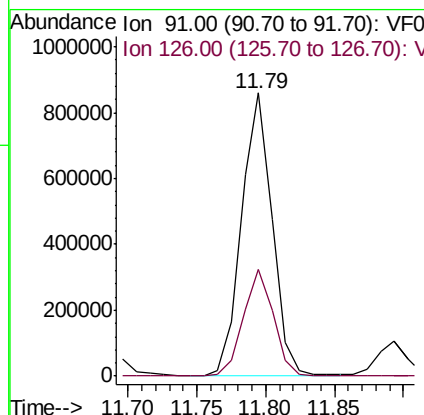
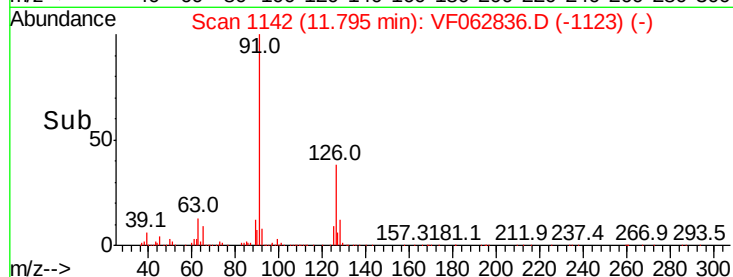
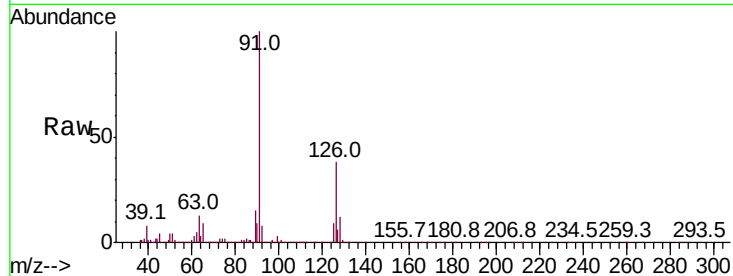
#79
2-Chlorotoluene
Concen: 45.816 ug/l
RT: 11.79 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1322006
Ion Ratio Lower Upper
91 100
126 37.8 17.8 53.3

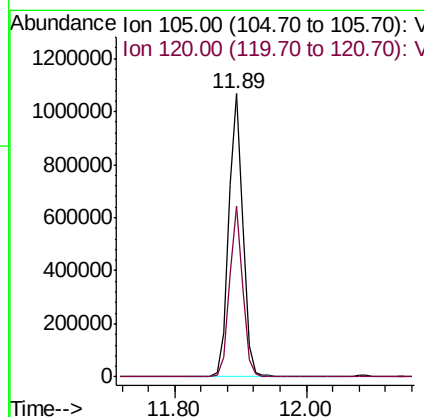
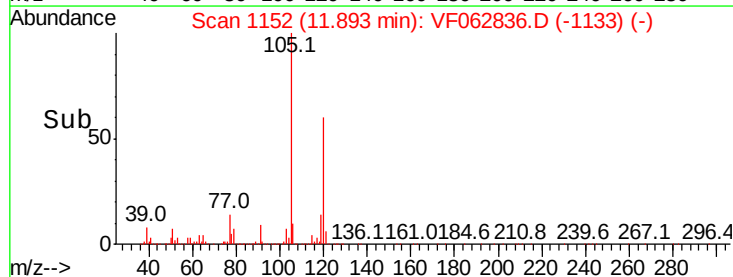
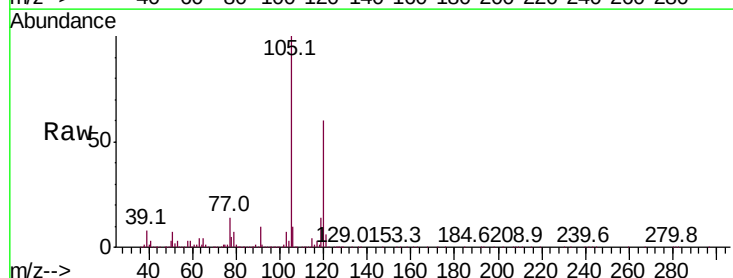
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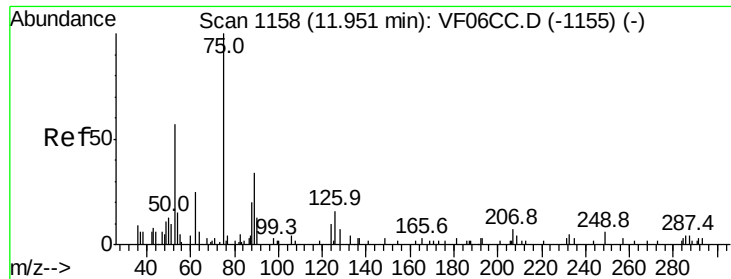
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#80
1,3,5-Trimethylbenzene
Concen: 46.711 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 105 Resp: 1595414
Ion Ratio Lower Upper
105 100
120 60.3 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 54.217 ug/l m

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

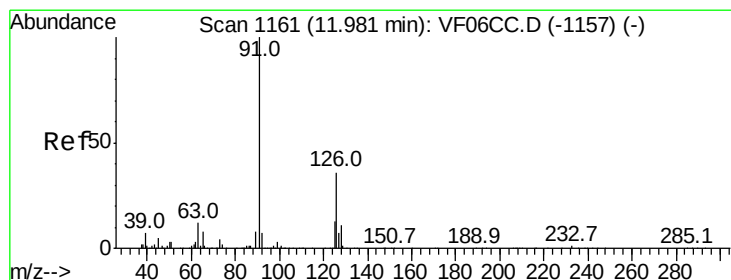
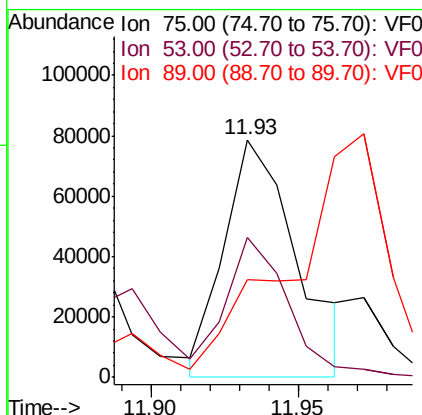
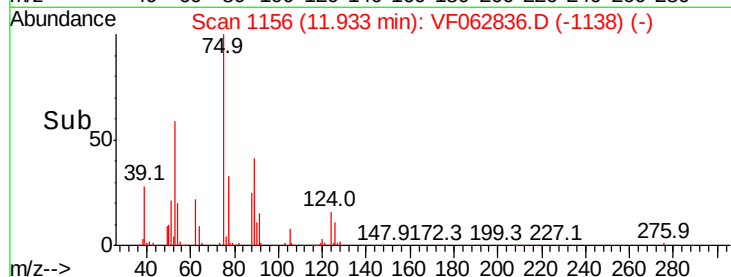
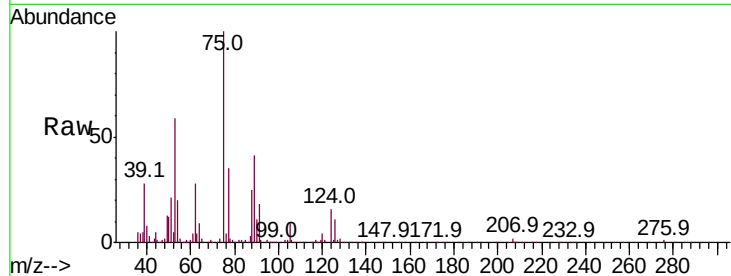
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	135704
Ion Ratio	Lower	Upper	
75	100		
53	58.6	43.5	65.3
89	41.1	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.771 ug/l

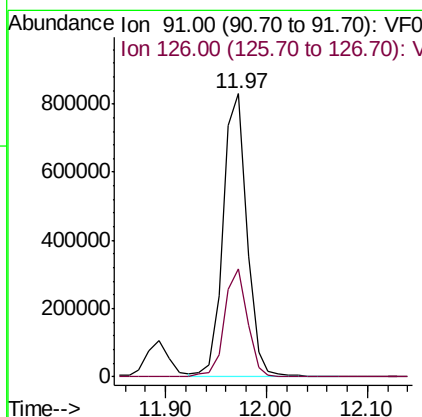
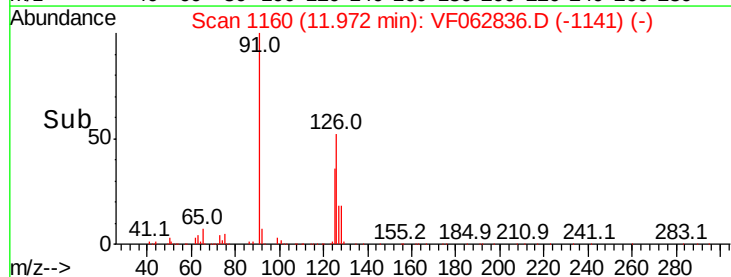
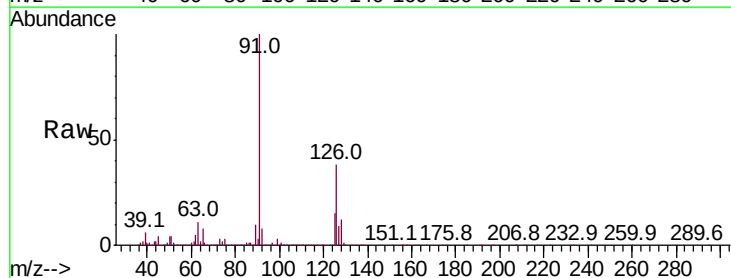
RT: 11.97 min Scan# 1160

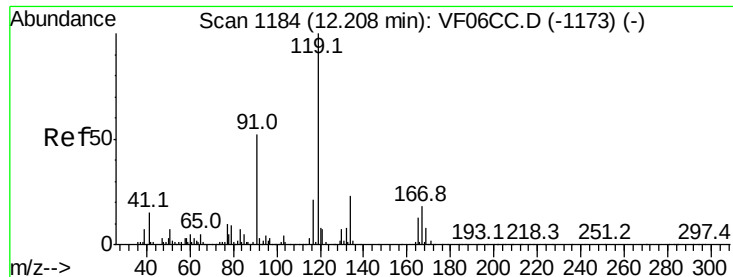
Delta R.T. -0.01 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion:	91	Resp:	1354631
Ion Ratio	Lower	Upper	
91	100		
126	38.3	19.1	57.1





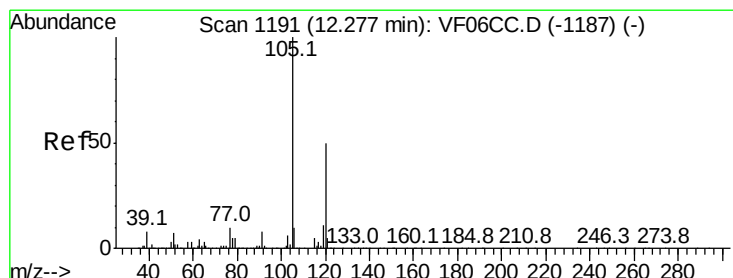
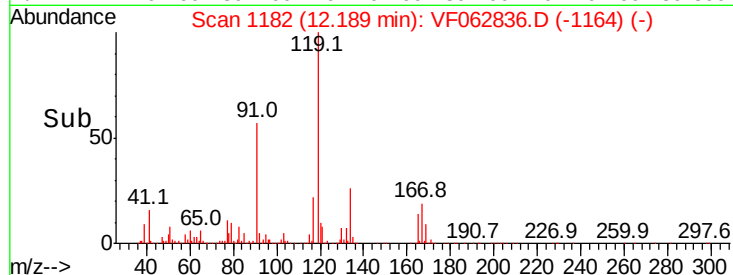
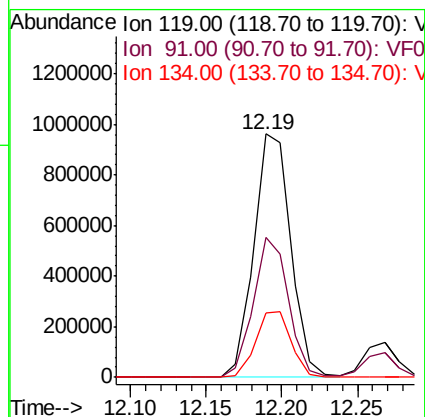
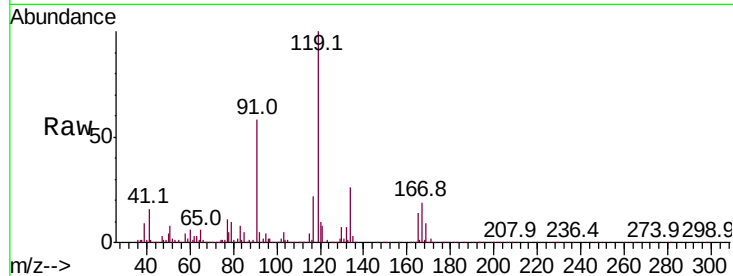
#83
 tert-Butylbenzene
 Concen: 48.552 ug/l
 RT: 12.19 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	28.9	86.7
134	26.4	14.3	42.9

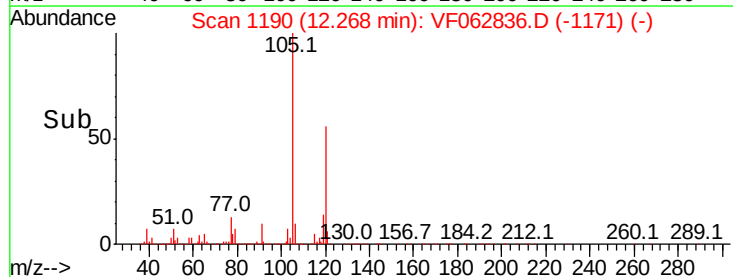
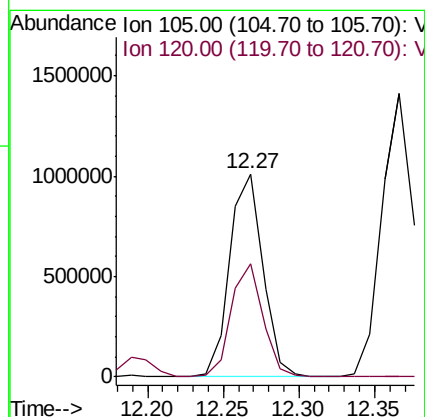
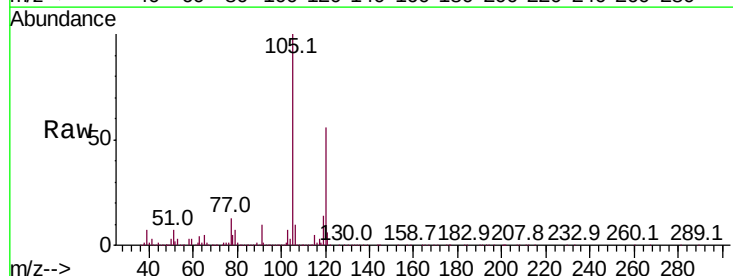
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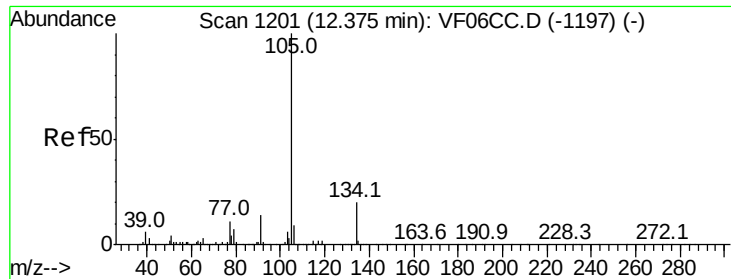
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.826 ug/l
 RT: 12.27 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	55.8	27.1	81.3





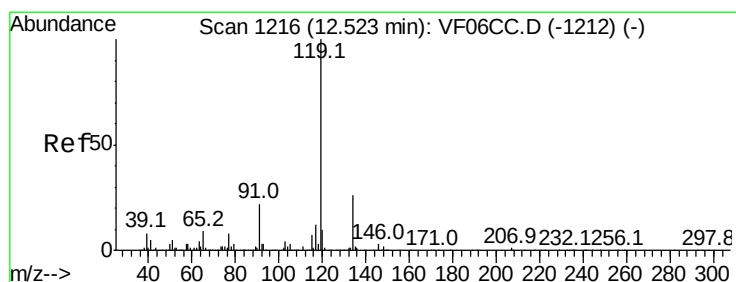
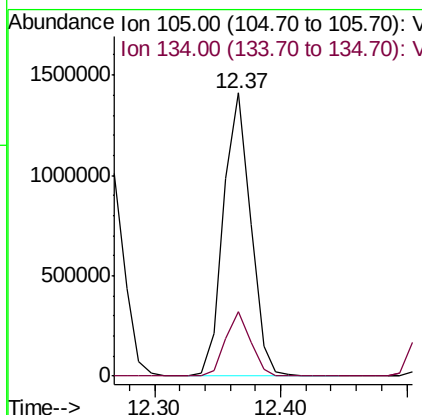
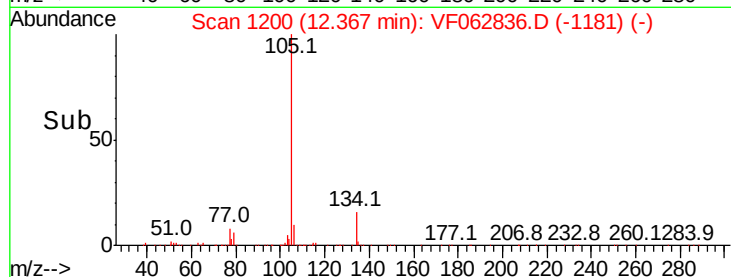
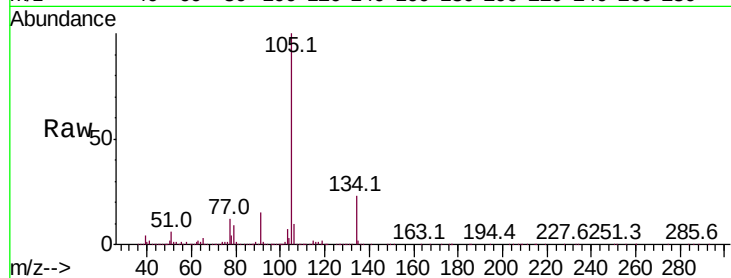
#85
 sec-Butylbenzene
 Concen: 47.039 ug/l
 RT: 12.37 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2097684
 Ion Ratio Lower Upper
 105 100
 134 22.7 10.5 31.6

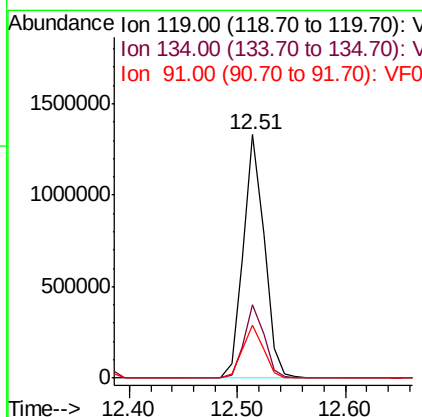
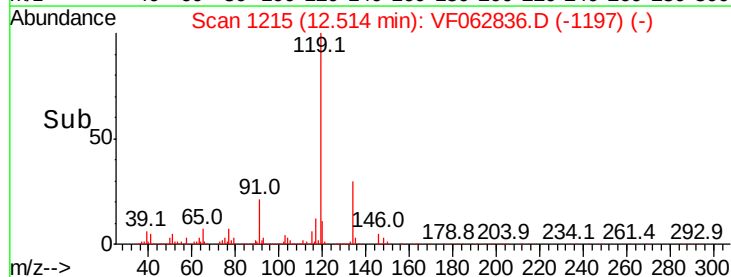
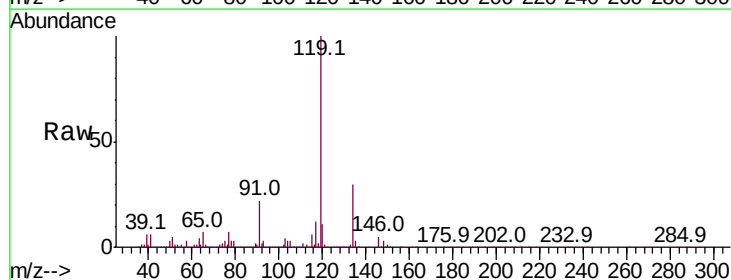
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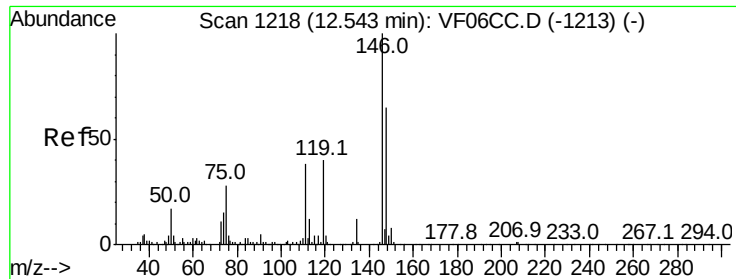
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#86
 p-Isopropyltoluene
 Concen: 48.590 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Tgt Ion:119 Resp: 1803605
 Ion Ratio Lower Upper
 119 100
 134 30.0 15.5 46.5
 91 21.7 10.3 30.9





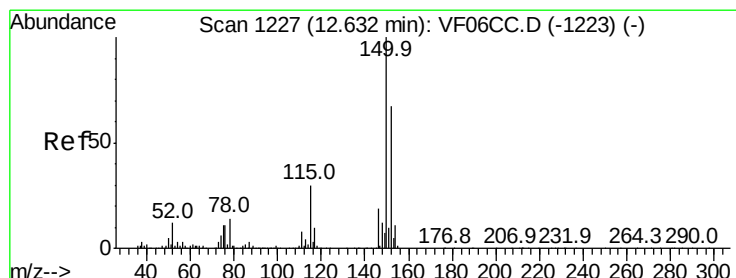
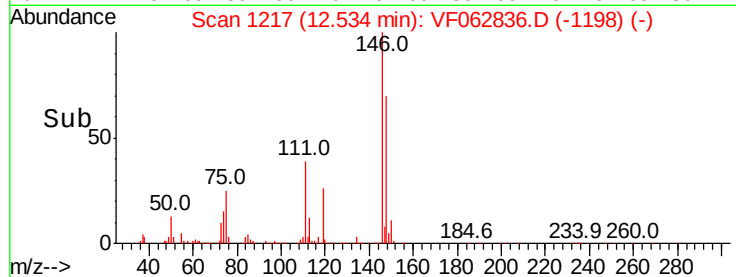
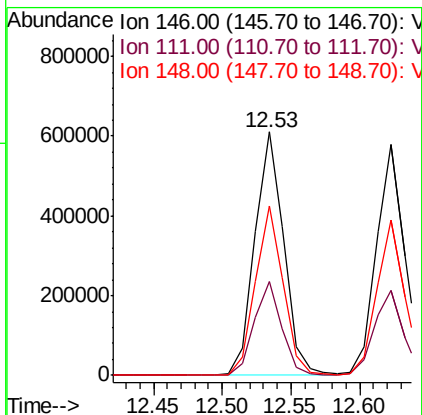
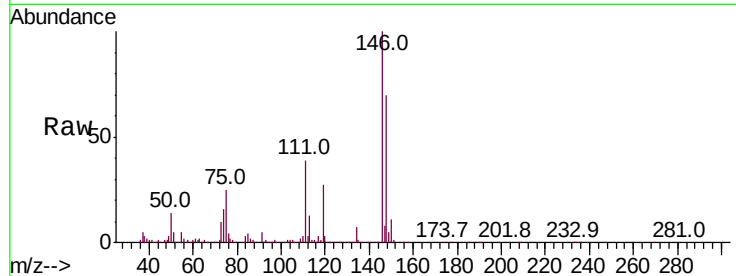
#87
 1,3-Dichlorobenzene
 Concen: 48.469 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.8
148	69.7	34.2	102.5

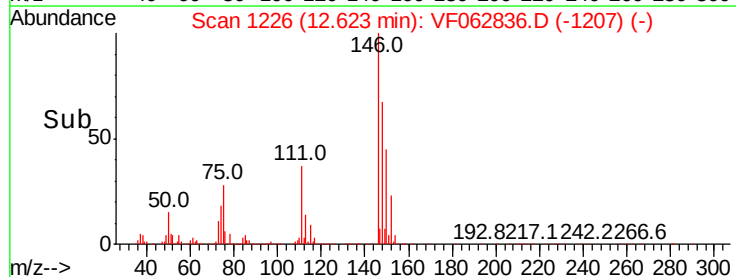
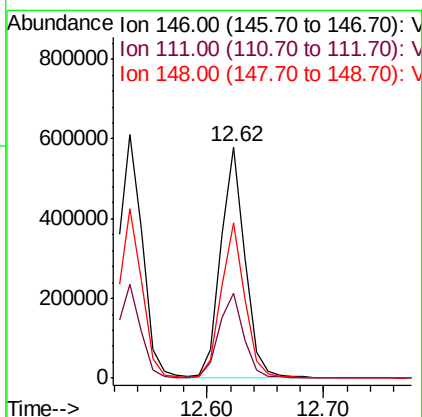
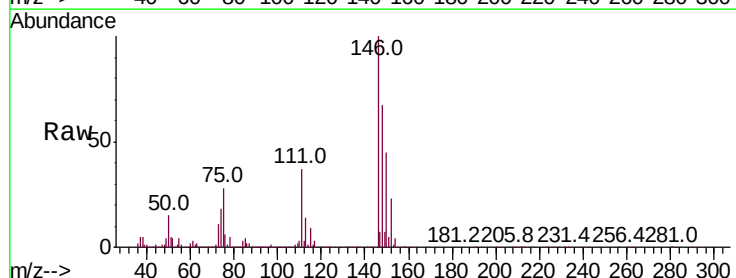
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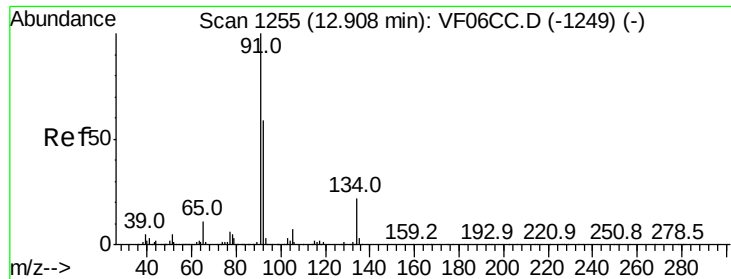
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#88
 1,4-Dichlorobenzene
 Concen: 48.295 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	20.3	60.9
148	67.3	34.0	101.8





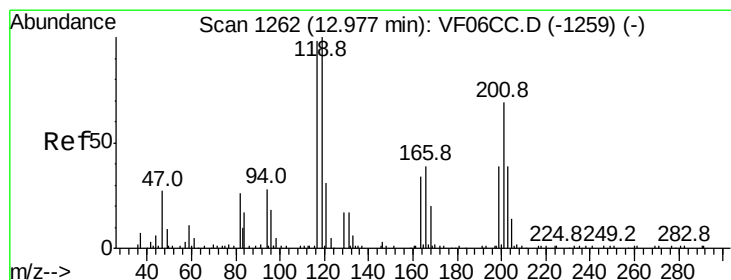
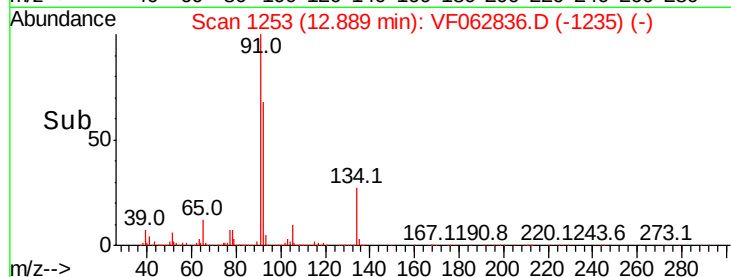
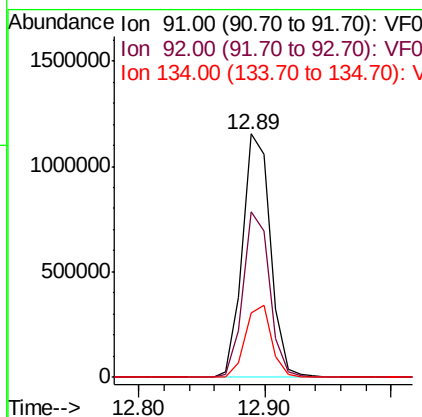
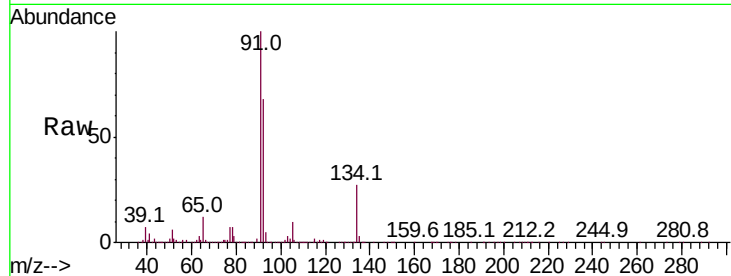
#89
n-Butylbenzene
Concen: 47.436 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	67.7	34.2	102.6
134	26.7	15.8	47.3

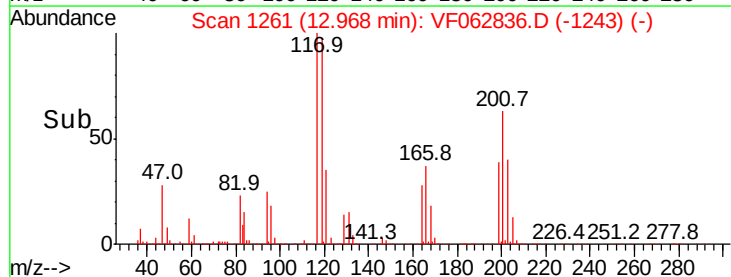
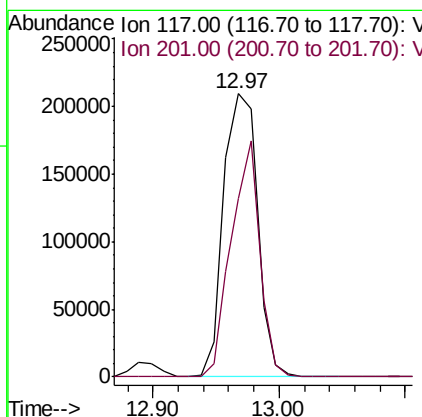
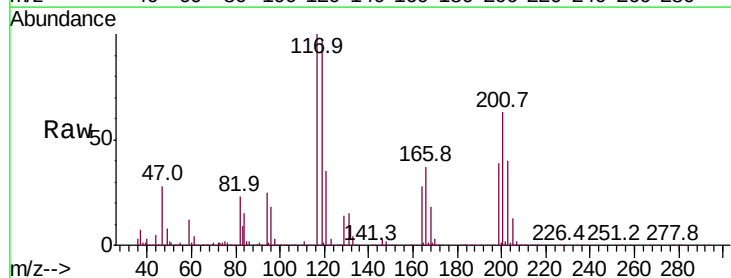
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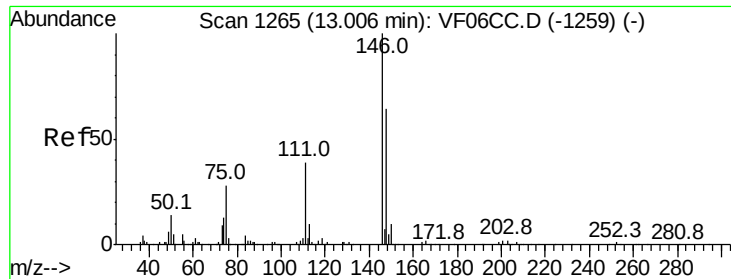
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#90
Hexachloroethane
Concen: 43.030 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.0	38.9	116.7





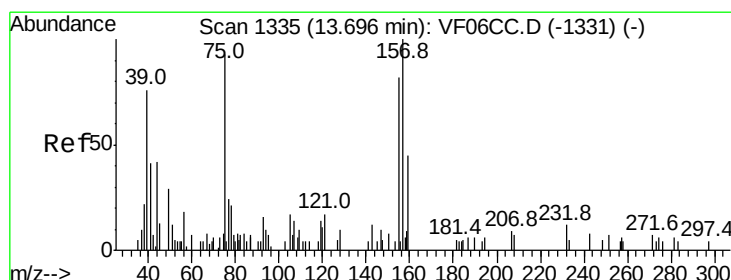
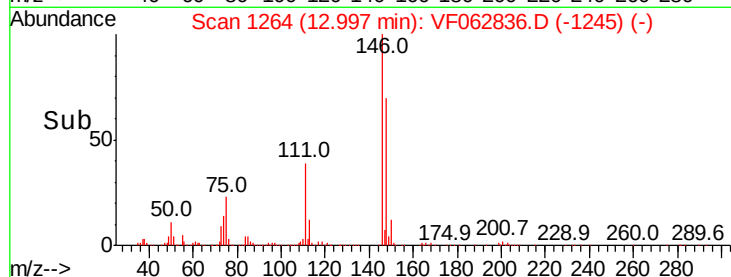
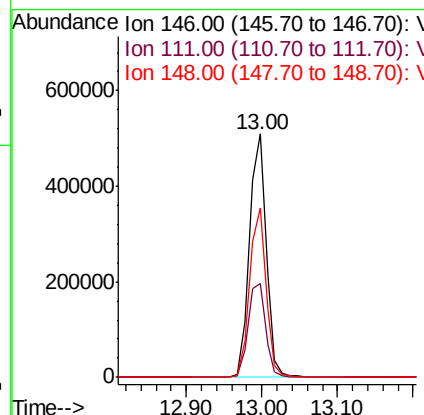
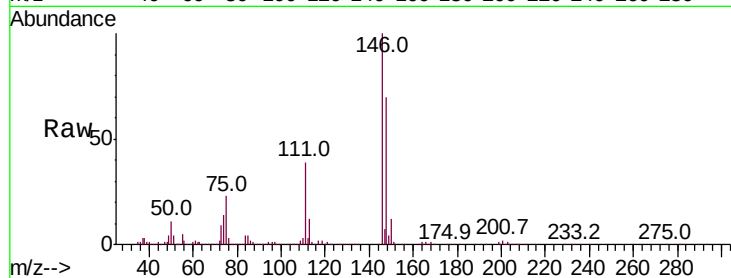
#91
 1,2-Dichlorobenzene
 Concen: 47.598 ug/l
 RT: 13.00 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.4	61.3
148	69.5	34.1	102.3

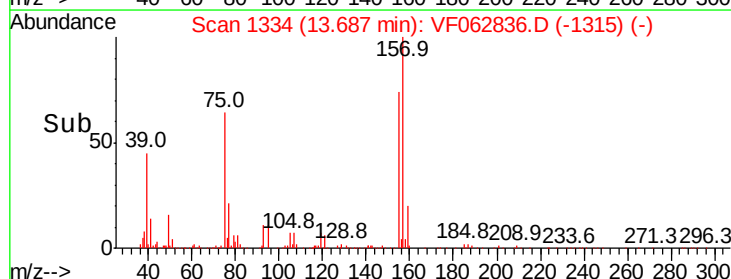
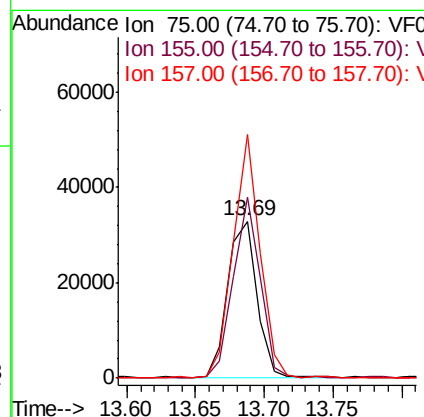
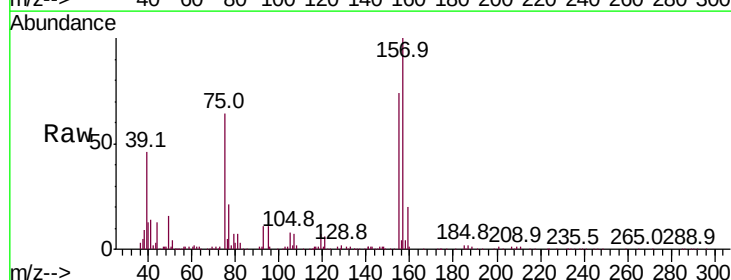
Manual Integrations
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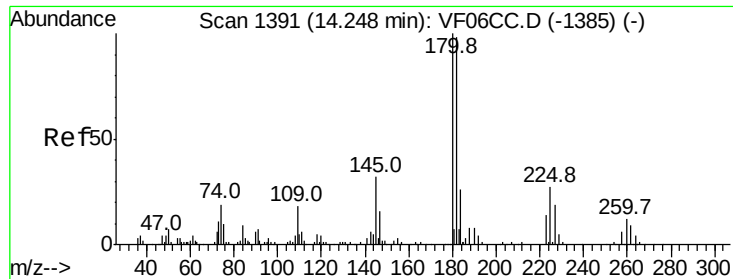
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.729 ug/l
 RT: 13.69 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	115.0	51.7	155.1
157	155.3	66.8	200.6





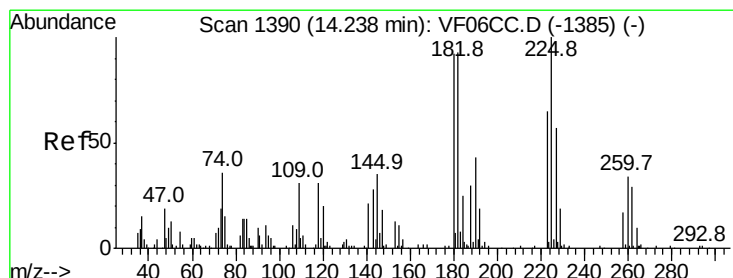
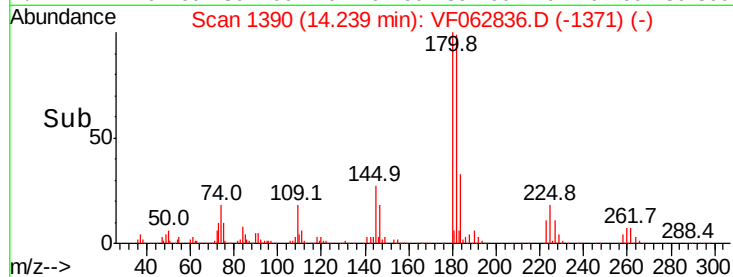
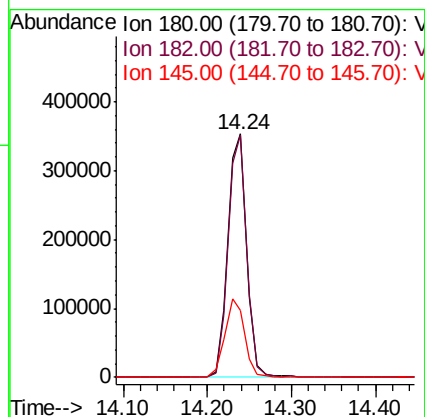
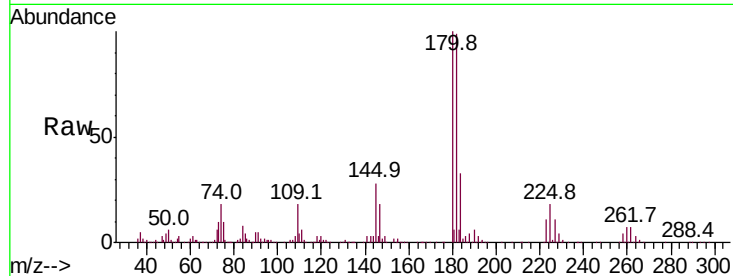
#93
 1,2,4-Trichlorobenzene
 Concen: 49.137 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.5	50.3	150.9
145	27.5	15.4	46.2

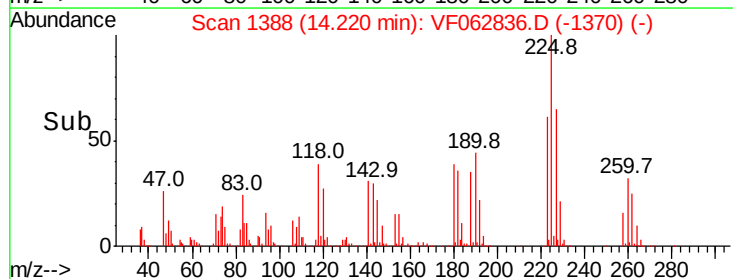
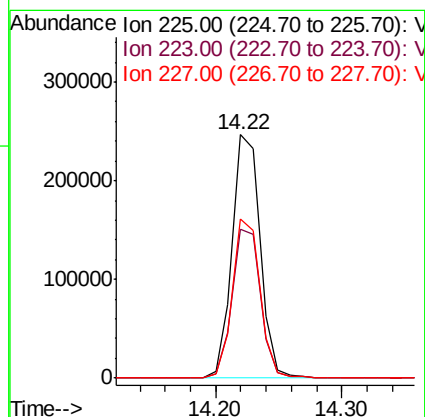
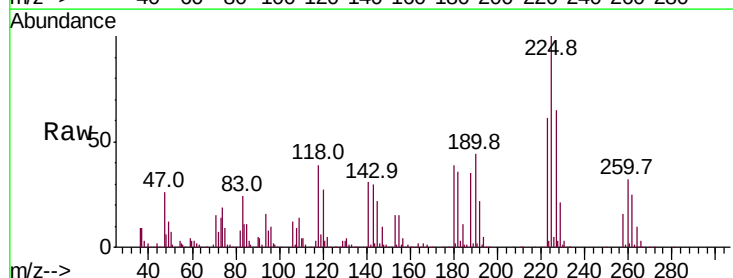
Manual Integrations
 APPROVED

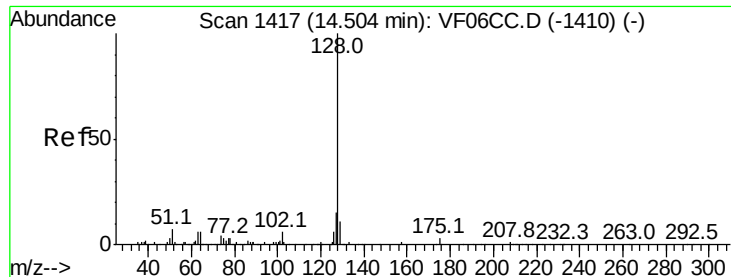
MMDadoda
 6/6/2019 8:48:57 AM



#94
 Hexachlorobutadiene
 Concen: 48.787 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.8	92.4
227	65.5	31.9	95.5





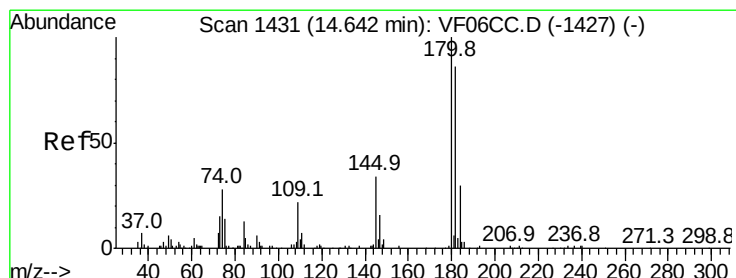
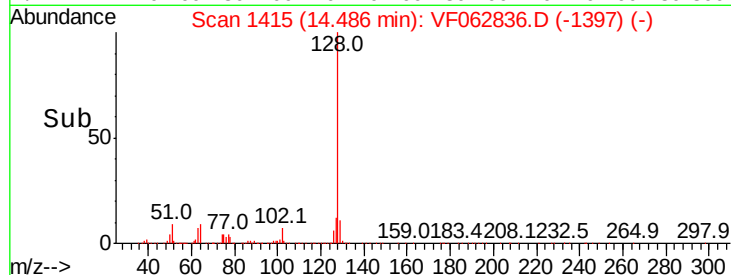
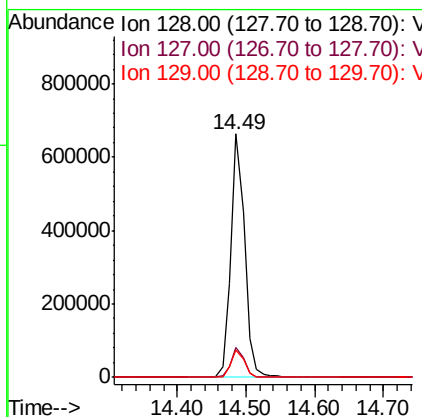
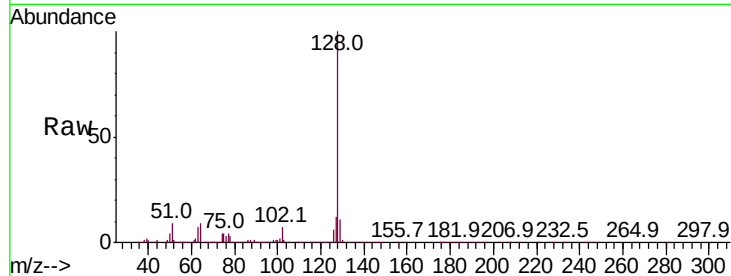
#95
Naphthalene
Concen: 50.376 ug/l
RT: 14.49 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.7	14.5
129	11.3	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/6/2019 8:48:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.723 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.3	48.6	145.9
145	28.8	15.7	47.0

