

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062819.D
 Acq On : 31 May 2019 20:02
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:45:27 AM

Quant Time: Jun 01 01:46:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	768030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1304274	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.93	117	1048716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	533840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	311744	58.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.40%	
35) Dibromofluoromethane	4.33	113	559060	56.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.44%	
50) Toluene-d8	7.73	98	1368676	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
62) 4-Bromofluorobenzene	11.51	95	509152	56.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	455163	52.601	ug/l	98
3) Chloromethane	1.15	50	419699	52.813	ug/l	98
4) Vinyl Chloride	1.18	62	394399	49.943	ug/l	99
5) Bromomethane	1.39	94	245817	54.581	ug/l	99
6) Chloroethane	1.45	64	167374	56.687	ug/l	88
7) Trichlorofluoromethane	1.56	101	625928	55.988	ug/l	91
8) Diethyl Ether	1.72	74	112996	51.373	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.91	101	386669	55.013	ug/l	98
10) Methyl Iodide	1.99	142	771990	54.778	ug/l	98
11) Tert butyl alcohol	2.70	59	93977	292.095	ug/l	99
12) 1,1-Dichloroethene	1.87	96	362917	56.862	ug/l	95
13) Acrolein	2.10	56	38384	300.284	ug/l	89
14) Allyl chloride	2.21	41	305154m	61.630	ug/l	
15) Acrylonitrile	3.10	53	221926	183.571	ug/l	# 95
16) Acetone	2.36	43	293456	241.416	ug/l	93
17) Carbon Disulfide	1.91	76	1043641	55.947	ug/l	96
18) Methyl Acetate	2.47	43	112389	52.909	ug/l	98
19) Methyl tert-butyl Ether	2.56	73	646096	55.875	ug/l	99
20) Methylene Chloride	2.35	84	361515m	59.987	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	378267	59.111	ug/l	98
22) Diisopropyl ether	2.95	45	788557	56.056	ug/l	97
23) Vinyl Acetate	3.36	43	2638878	274.008	ug/l	99
24) 1,1-Dichloroethane	3.03	63	597222	56.860	ug/l	98
25) 2-Butanone	4.55	43	731438	258.388	ug/l	100
26) 2,2-Dichloropropane	3.79	77	339799	56.977	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	591896	55.025	ug/l	95
28) Bromochloromethane	3.92	49	337942	59.150	ug/l	94
29) Tetrahydrofuran	4.28	42	327203	302.213	ug/l	99
30) Chloroform	4.07	83	805422	54.409	ug/l	97
31) Cyclohexane	3.90	56	768477	54.042	ug/l	96
32) 1,1,1-Trichloroethane	4.31	97	540837	62.751	ug/l	96
36) 1,1-Dichloropropene	4.49	75	626474	52.176	ug/l	99
37) Ethyl Acetate	4.33	43	273081	59.497	ug/l	93
38) Carbon Tetrachloride	4.20	117	503443	62.040	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	806142	53.945	ug/l	99
40) Benzene	4.84	78	1824218	52.203	ug/l	97
41) Methacrylonitrile	4.95	41	138872	54.425	ug/l	92
42) 1,2-Dichloroethane	5.15	62	369328	55.569	ug/l	93
43) Isopropyl Acetate	7.13	43	313874	51.767	ug/l	97
44) Trichloroethene	5.70	130	518188	52.543	ug/l	96
45) 1,2-Dichloropropane	6.43	63	486691	55.500	ug/l	99
46) Dibromomethane	6.28	93	279402	54.572	ug/l	98
47) Bromodichloromethane	6.57	83	558403	53.554	ug/l	98
48) Methyl methacrylate	6.89	41	179372	57.403	ug/l	90
49) 1,4-Dioxane	6.89	88	47835	1161.376	ug/l	91
51) 4-Methyl-2-Pentanone	8.42	43	1150239	265.718	ug/l	98
52) Toluene	7.79	92	963089	51.169	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	454079	52.554	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	664936	53.165	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	297407	52.892	ug/l	97
56) Ethyl methacrylate	8.77	69	335485	55.606	ug/l	97
57) 1,3-Dichloropropane	9.01	76	514684	56.051	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	547315	259.568	ug/l	98
59) 2-Hexanone	9.63	43	791297	256.462	ug/l	97
60) Dibromochloromethane	8.87	129	396369	56.937	ug/l	99
61) 1,2-Dibromoethane	9.15	107	309826	53.055	ug/l	94
64) Tetrachloroethene	8.32	164	407795	50.603	ug/l	99
65) Chlorobenzene	9.95	112	1032690	50.991	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	412928	51.196	ug/l	99
67) Ethyl Benzene	10.05	91	1814248	52.203	ug/l	99
68) m/p-Xylenes	10.27	106	1398458	105.155	ug/l	99
69) o-Xylene	10.83	106	677158	50.291	ug/l	99
70) Styrene	10.90	104	1041543	52.480	ug/l	98
71) Bromoform	10.89	173	211646	54.700	ug/l	# 100
73) Isopropylbenzene	11.22	105	1786832	47.970	ug/l	97
74) N-amyl acetate	11.46	43	476577	45.395	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	391648	49.235	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	250760	47.557	ug/l	93
77) Bromobenzene	11.59	156	450072	48.089	ug/l	96
78) n-propylbenzene	11.68	91	2089731	46.463	ug/l	99
79) 2-Chlorotoluene	11.81	91	1189984	46.240	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	1456708	47.820	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	115151m	51.583	ug/l	
82) 4-Chlorotoluene	11.98	91	1233987	48.792	ug/l	99
83) tert-Butylbenzene	12.21	119	1541017	51.054	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1488664	51.543	ug/l	99
85) sec-Butylbenzene	12.37	105	2021361	50.822	ug/l	98
86) p-Isopropyltoluene	12.53	119	1713682	51.764	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	844178	51.144	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	781246	50.717	ug/l	95
89) n-Butylbenzene	12.91	91	1595983	47.925	ug/l	98
90) Hexachloroethane	12.98	117	423264	52.421	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	739298	50.958	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	45756	52.797	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	472728	47.456	ug/l	95
94) Hexachlorobutadiene	14.24	225	337813	49.021	ug/l	97
95) Naphthalene	14.50	128	813076	49.822	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	450464	49.540	ug/l	97

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

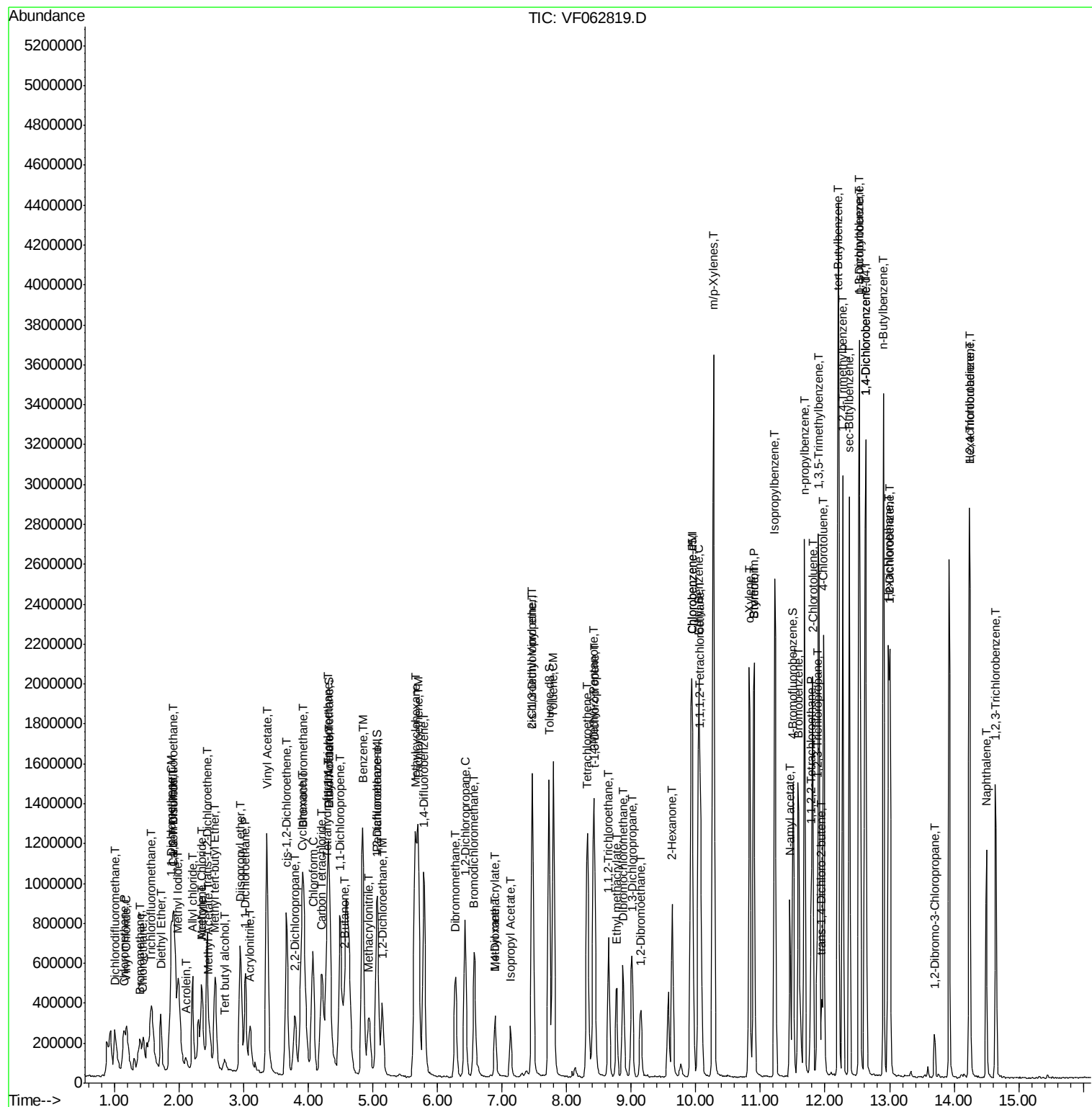
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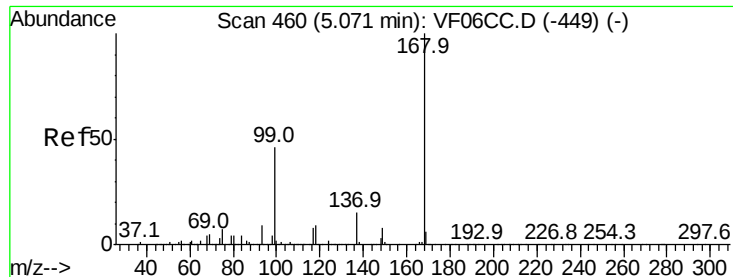
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 768030

Ion Ratio Lower Upper

168 100

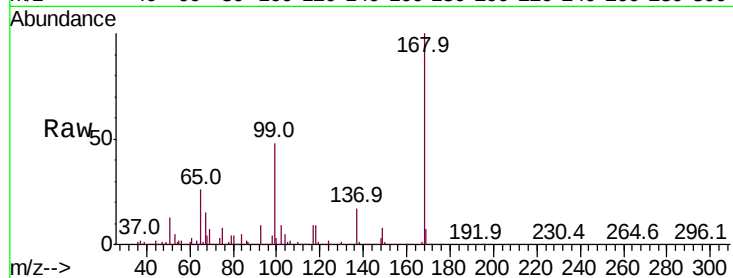
99 48.5 39.1 58.7

Manual Integrations

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MMDadoda

6/4/2019 8:45:27 AM



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

300000

250000

200000

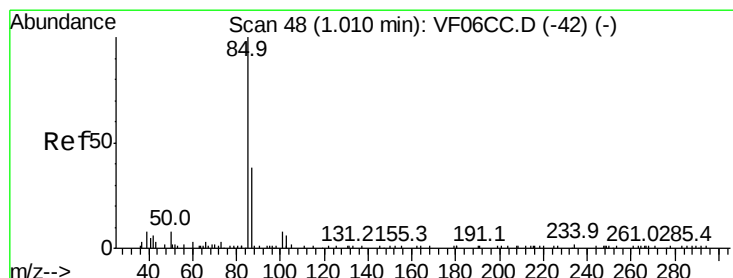
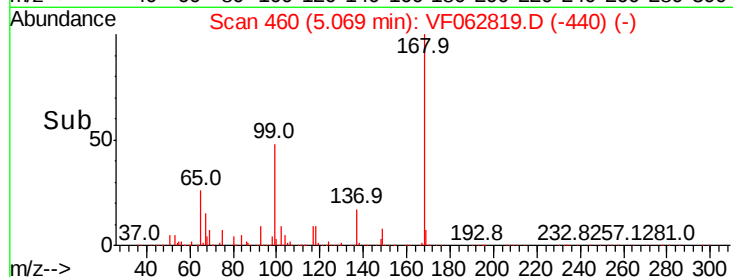
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.601 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062819.D

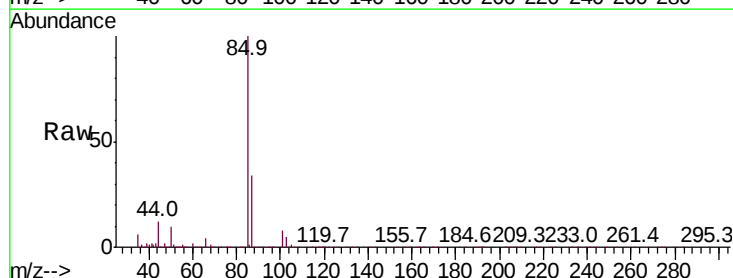
Acq: 31 May 2019 20:02

Tgt Ion: 85 Resp: 455163

Ion Ratio Lower Upper

85 100

87 34.1 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

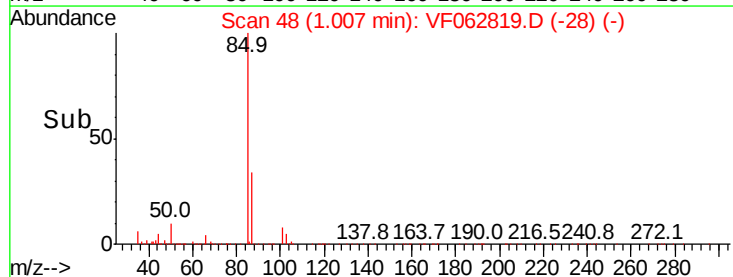
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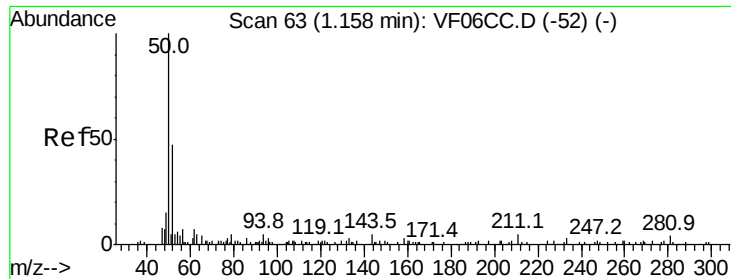
100000

50000

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Time-->





#3

Chloromethane

Concen: 52.813 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 419699

Ion Ratio Lower Upper

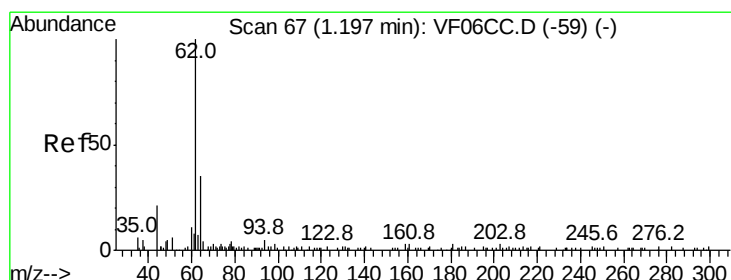
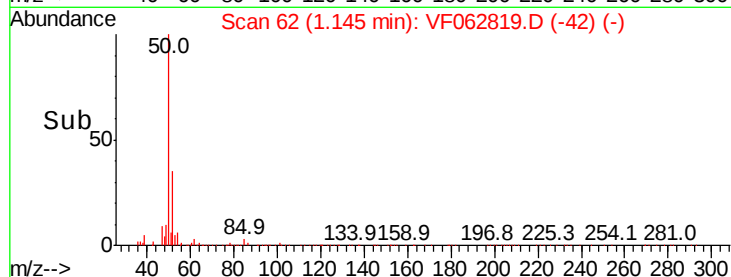
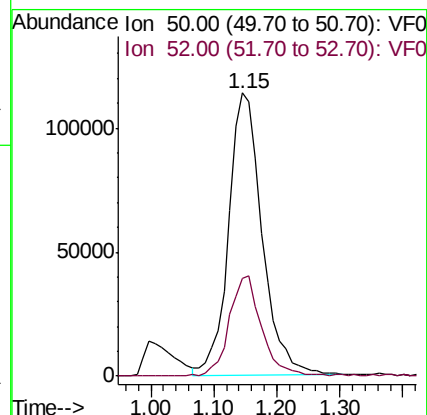
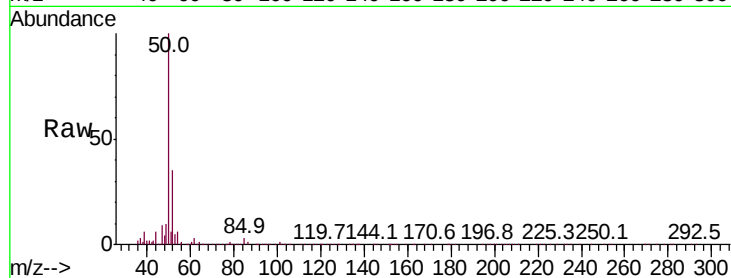
50 100

52 34.7 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 49.943 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062819.D

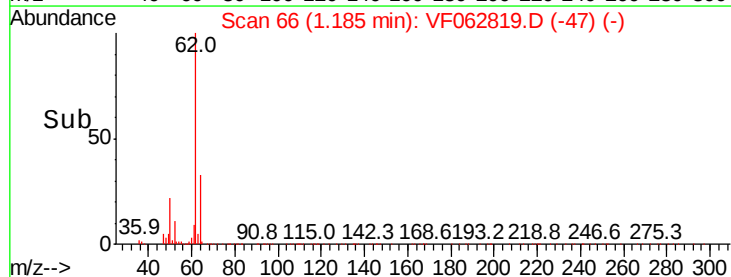
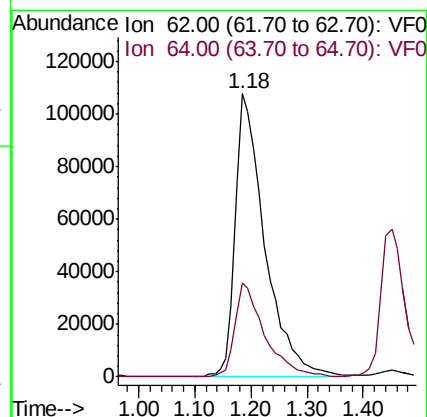
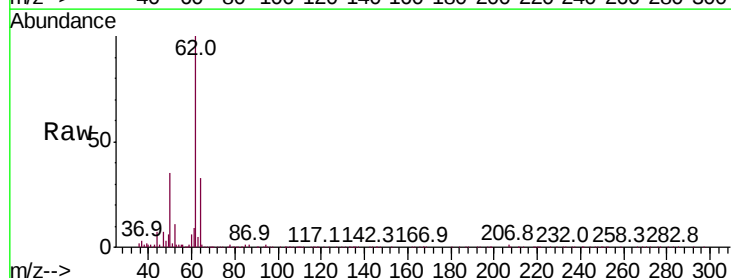
Acq: 31 May 2019 20:02

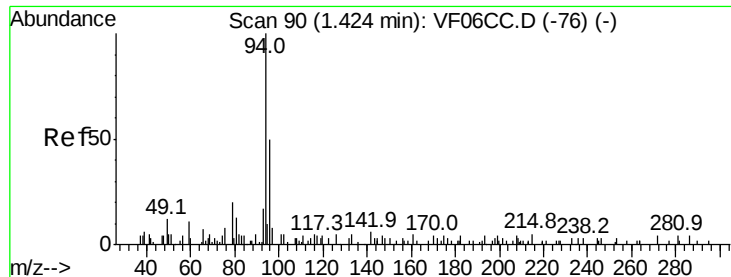
Tgt Ion: 62 Resp: 394399

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.2





#5

Bromomethane

Concen: 54.581 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 245817

Ion Ratio Lower Upper

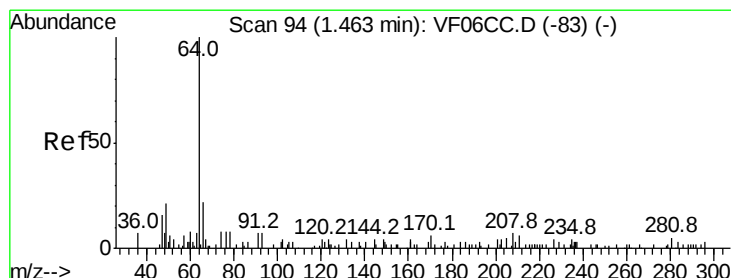
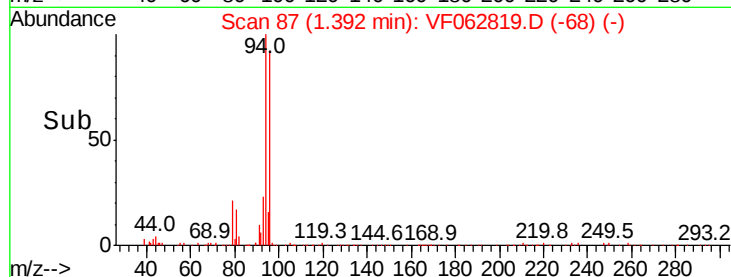
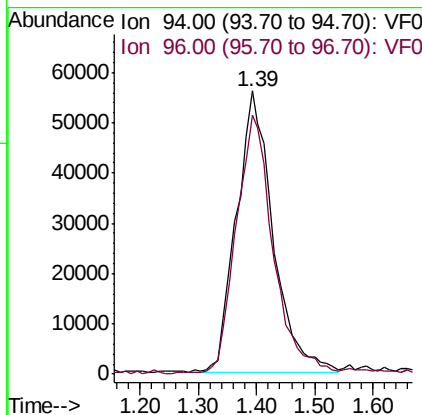
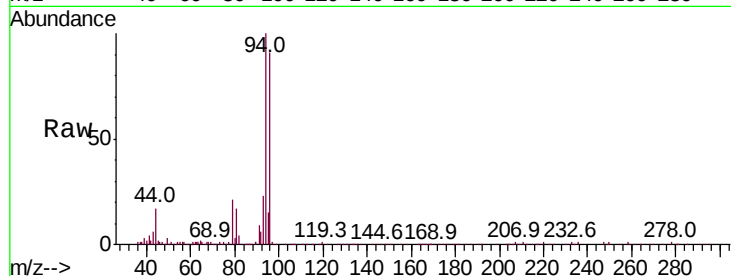
94 100

96 91.4 73.8 110.6

Manual Integrations
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#6

Chloroethane

Concen: 56.687 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062819.D

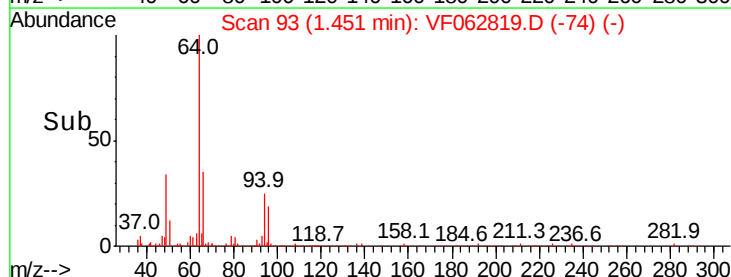
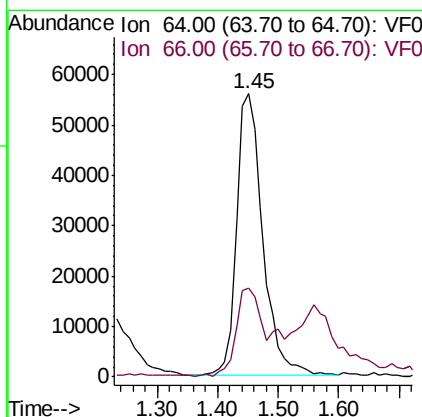
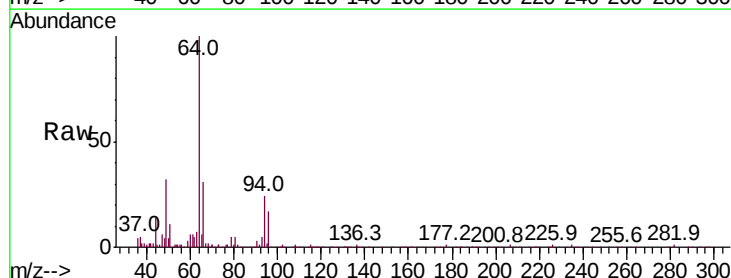
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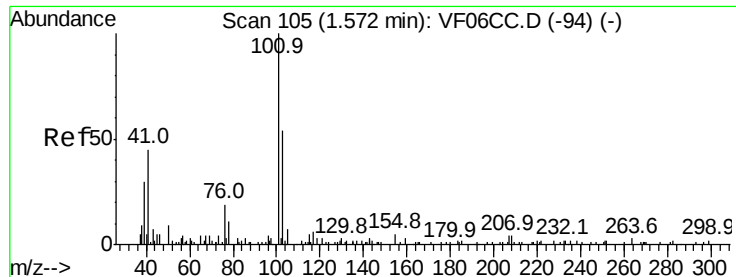
Tgt Ion: 64 Resp: 167374

Ion Ratio Lower Upper

64 100

66 31.3 31.0 46.4





#7

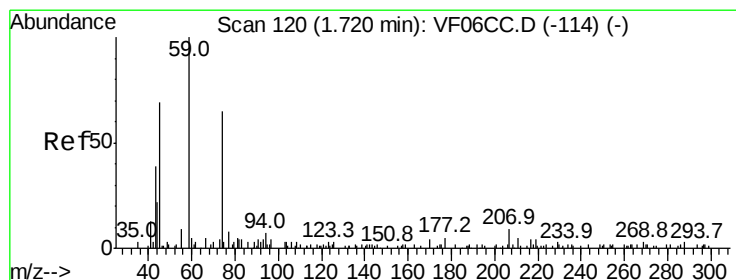
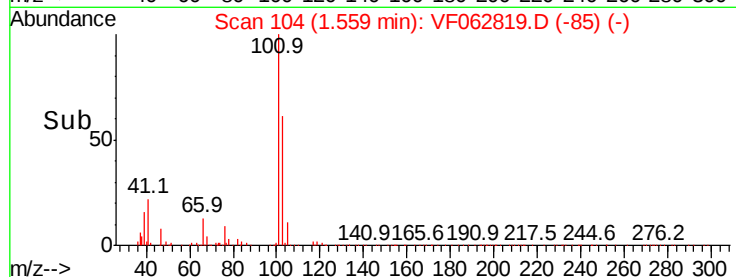
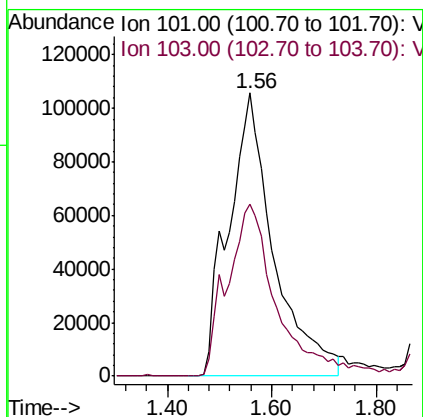
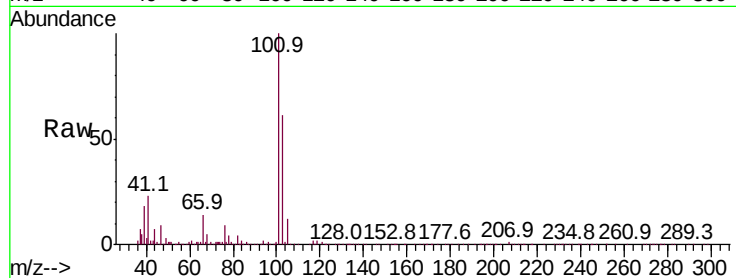
Trichlorofluoromethane
Concen: 55.988 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062819.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	54.6	82.0

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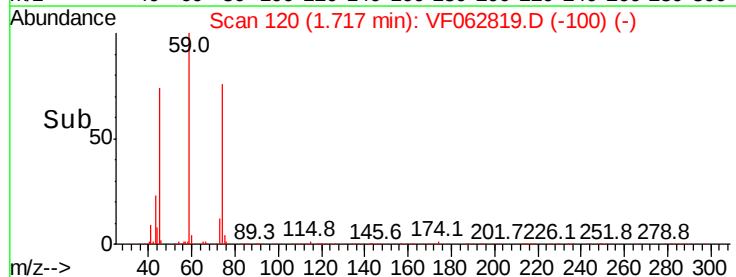
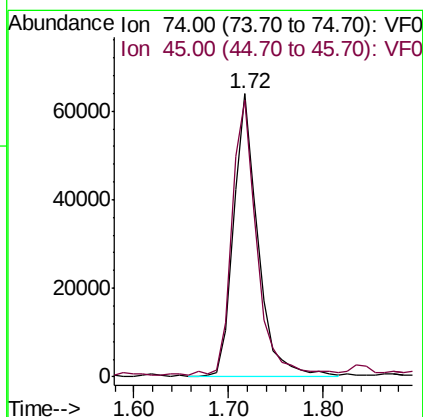
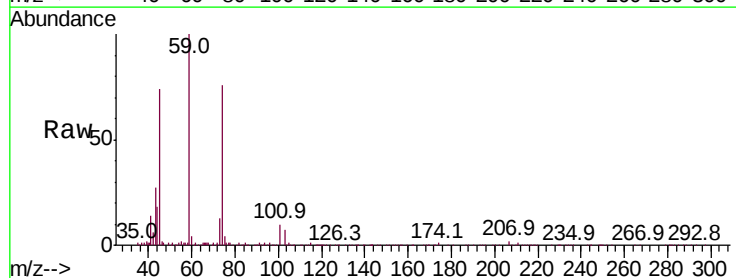
MMDadoda
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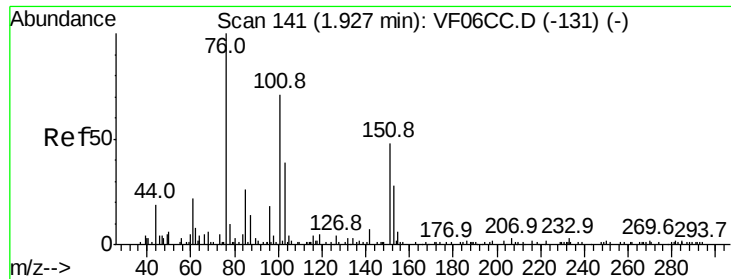


#8

Diethyl Ether
Concen: 51.373 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062819.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.013 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062819.D

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Instrument :

MSVOA_F

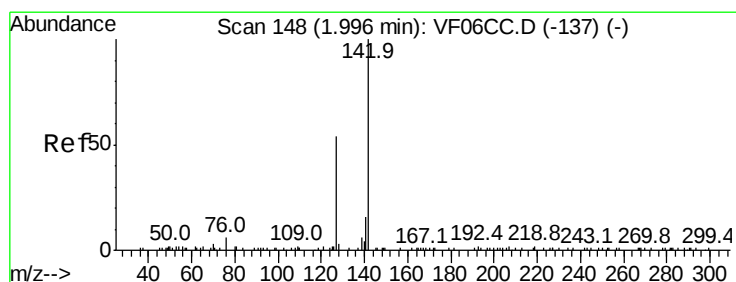
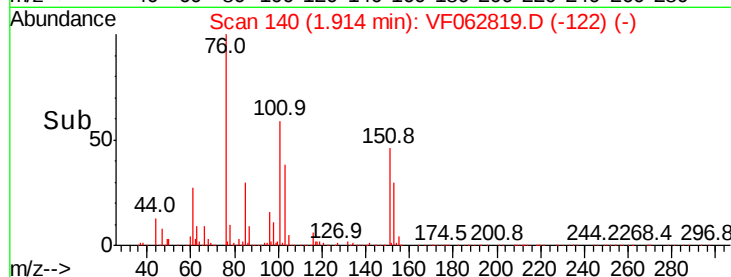
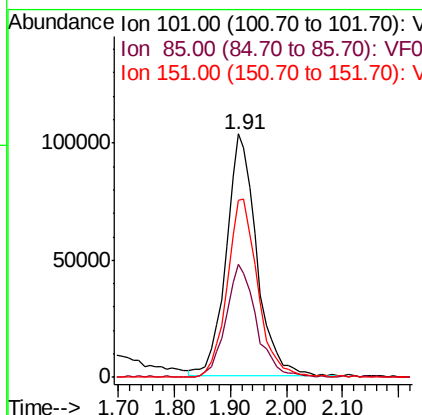
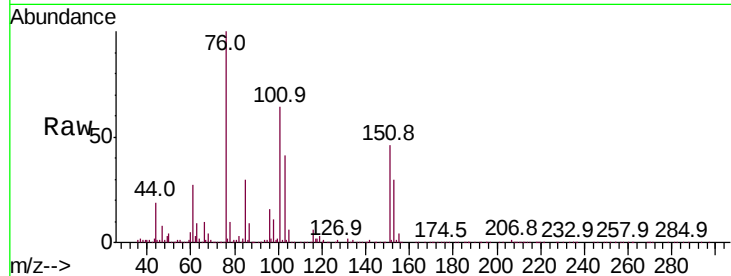
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	386669
Ion Ratio	Lower	Upper	
101	100		
85	46.6	37.1	55.7
151	72.8	60.3	90.5

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#10

Methyl Iodide

Concen: 54.778 ug/l

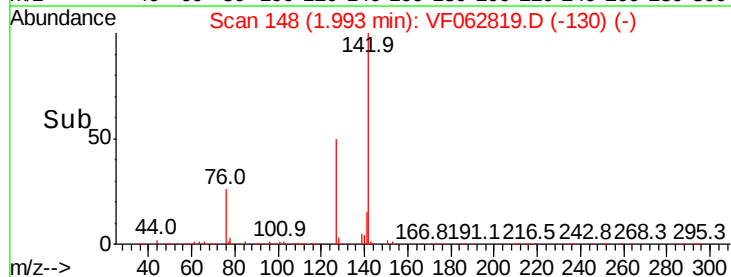
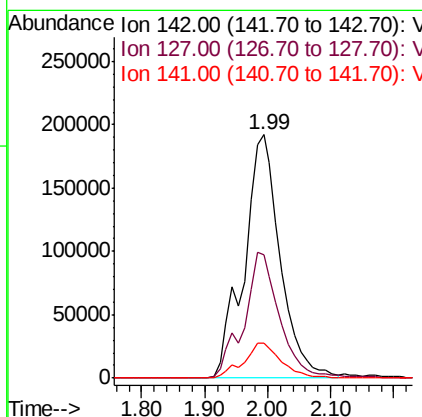
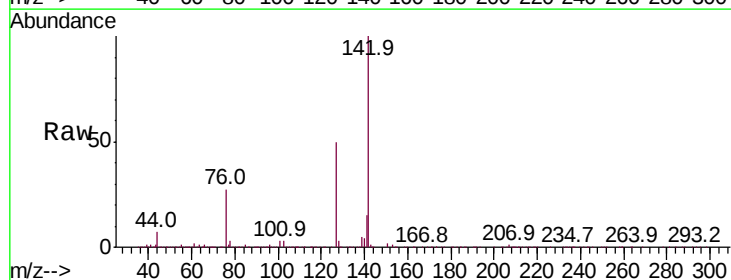
RT: 1.99 min Scan# 148

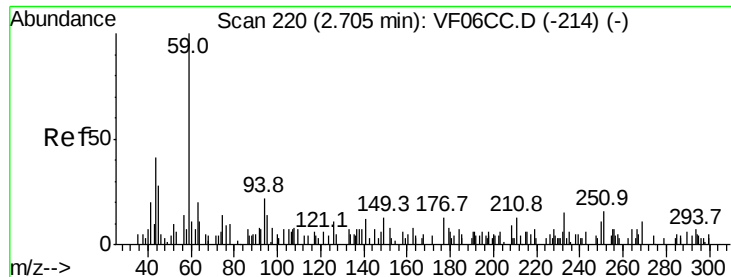
Delta R.T. -0.02 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Tgt Ion:	142	Resp:	771990
Ion Ratio	Lower	Upper	
142	100		
127	50.4	39.4	59.2
141	14.6	10.6	15.8





#11

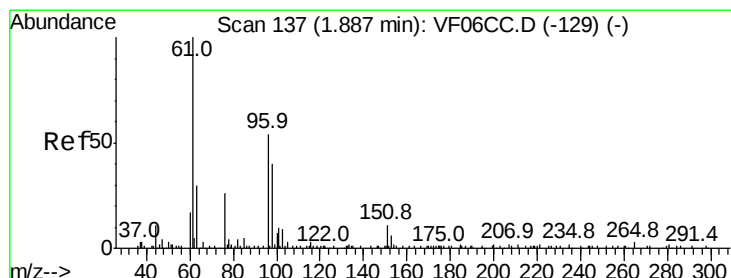
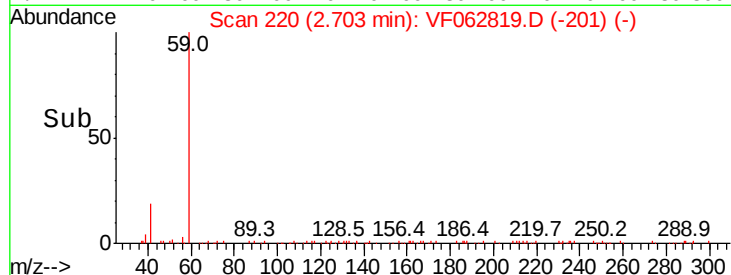
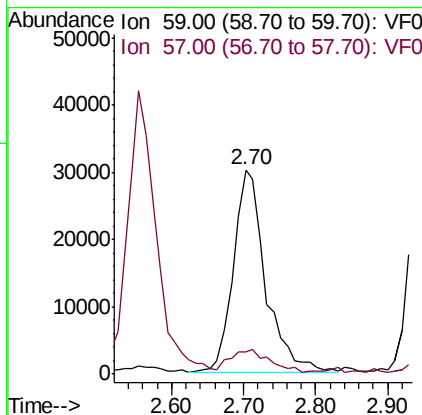
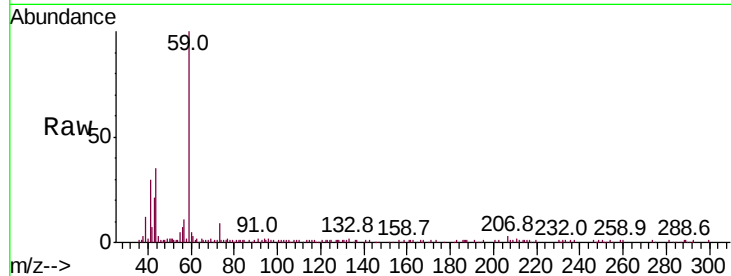
Tert butyl alcohol
 Concen: 292.095 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VF062819.D
 Acq: 31 May 2019 20:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	93977
Ion Ratio	100	Lower	Upper
57	11.1	9.2	13.8

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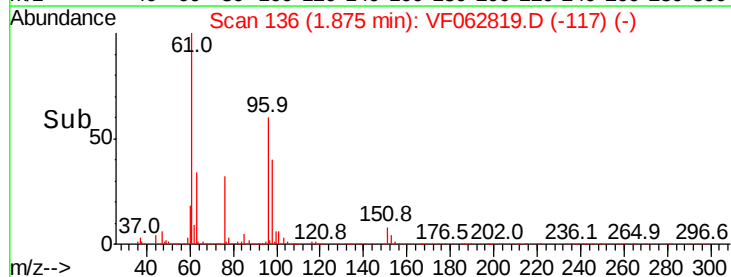
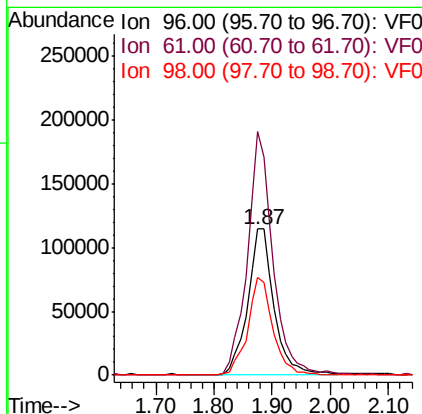
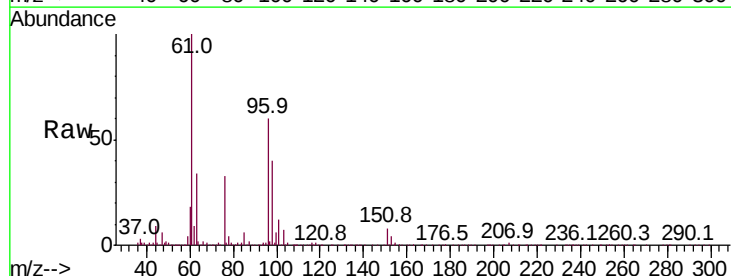
MMDadoda
 6/4/2019 8:45:27 AM

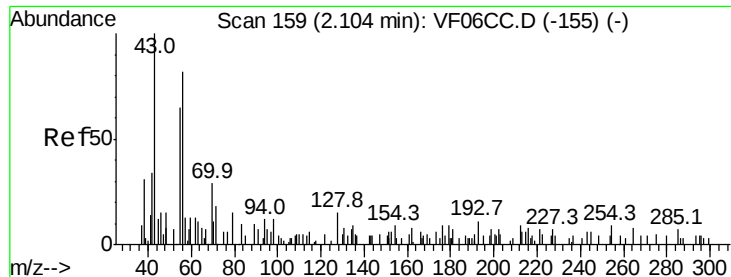


#12

1,1-Dichloroethene
 Concen: 56.862 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VF062819.D
 Acq: 31 May 2019 20:02

Tgt Ion	96	Resp	362917
Ion Ratio	100	Lower	Upper
61	166.6	139.4	209.2
98	66.8	50.3	75.5





#13

Acrolein

Concen: 300.284 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38384

Ion Ratio Lower Upper

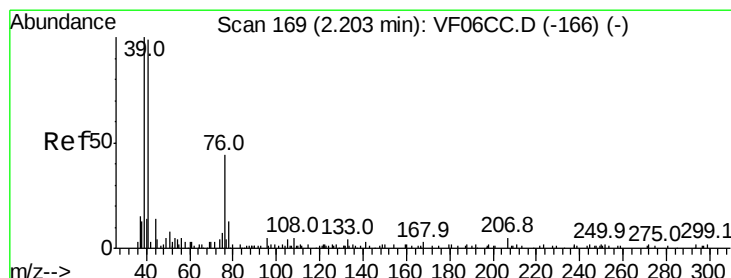
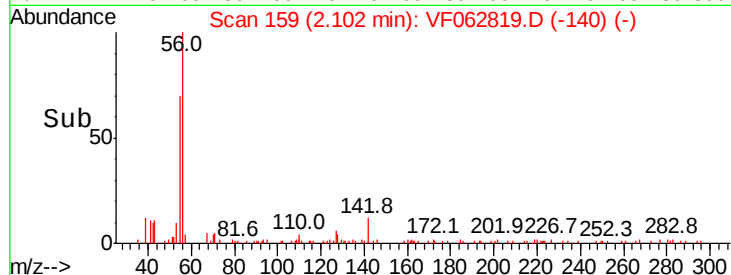
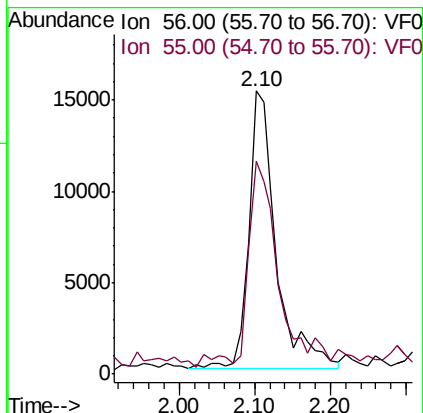
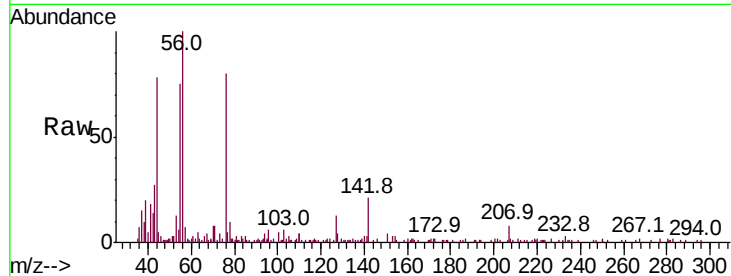
56 100

55 75.1 52.9 79.3

Manual Integrations
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6/4/2019 8:45:27 AM



#14

Allyl chloride

Concen: 61.630 ug/l m

RT: 2.21 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

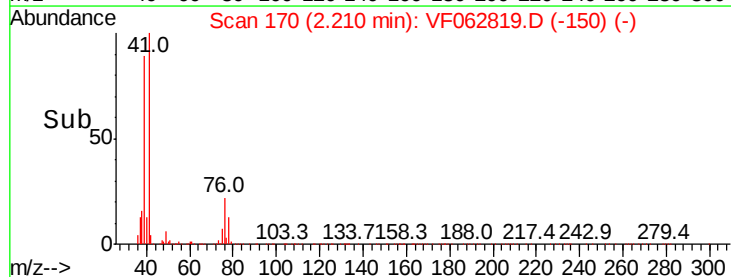
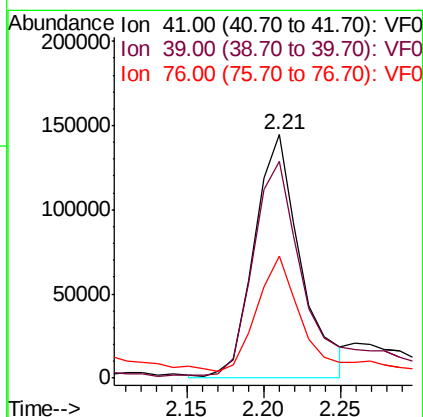
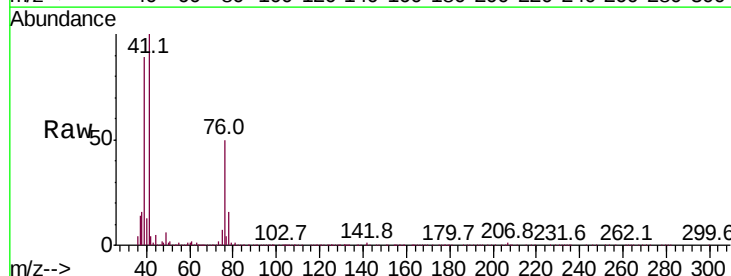
Tgt Ion: 41 Resp: 305154

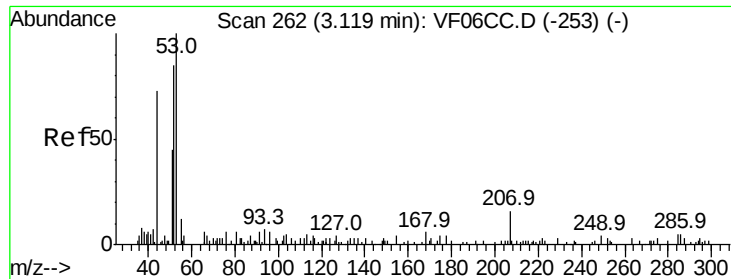
Ion Ratio Lower Upper

41 100

39 89.0 71.9 107.9

76 50.1 39.6 59.4





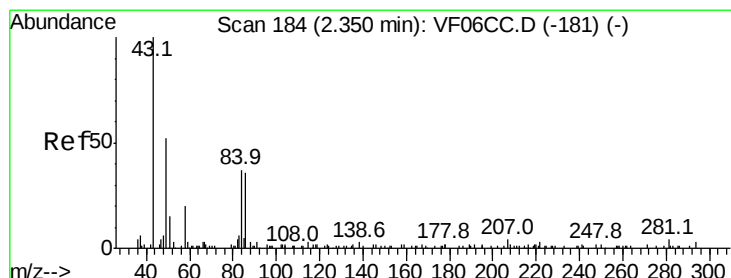
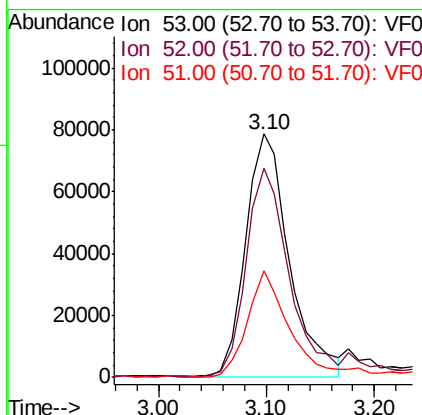
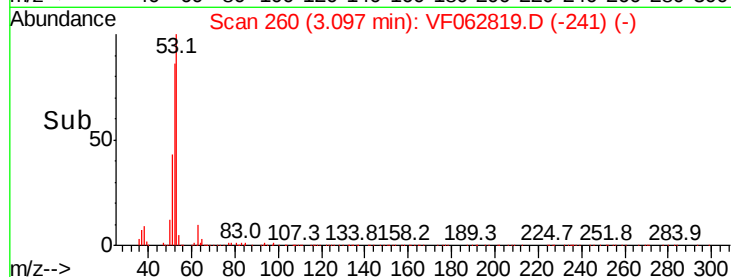
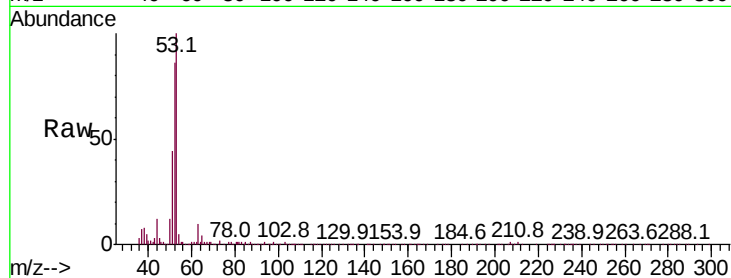
#15
 Acrylonitrile
 Concen: 183.571 ug/l
 RT: 3.10 min Scan# 260
 Delta R.T. -0.01 min
 Lab File: VF062819.D
 Acq: 31 May 2019 20:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.7	68.1	102.1
51	43.5	27.7	41.5#

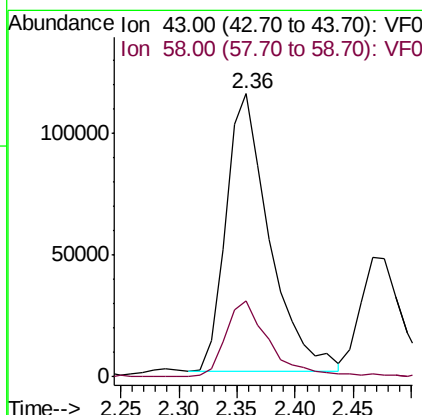
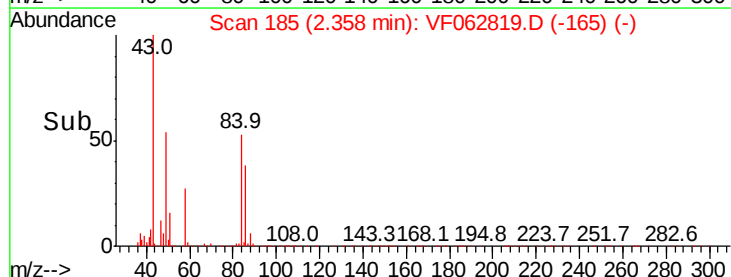
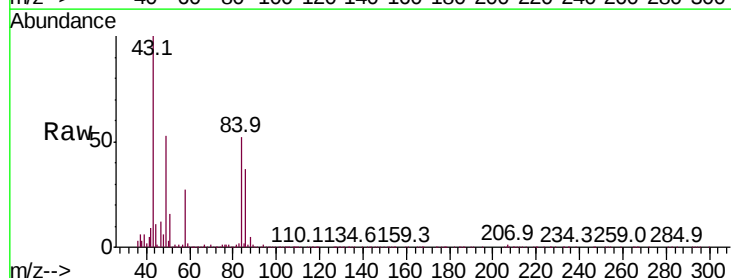
Manual Integrations
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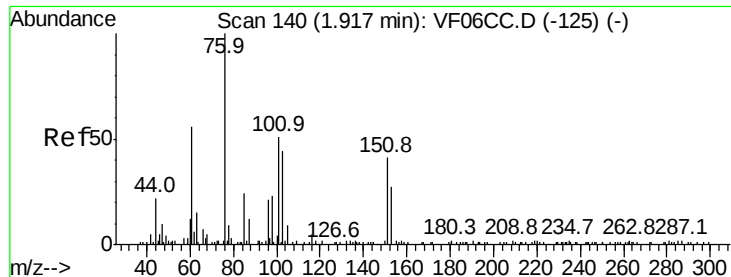
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#16
 Acetone
 Concen: 241.416 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF062819.D
 Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.9	19.0	28.4





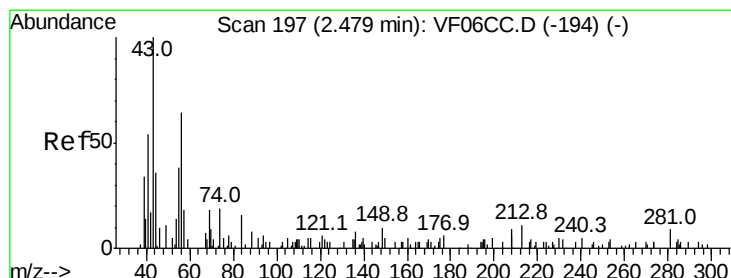
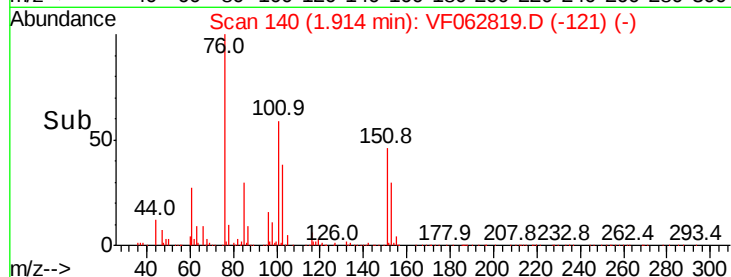
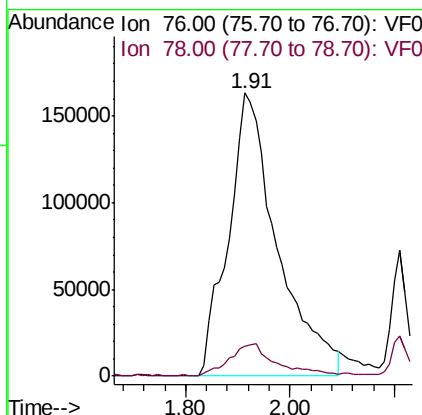
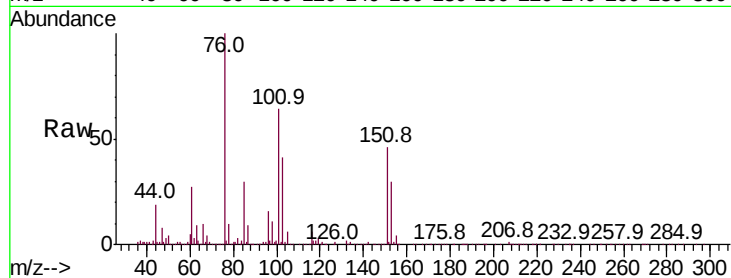
#17
Carbon Disulfide
Concen: 55.947 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1043641
Ion Ratio Lower Upper
76 100
78 10.4 9.4 14.2

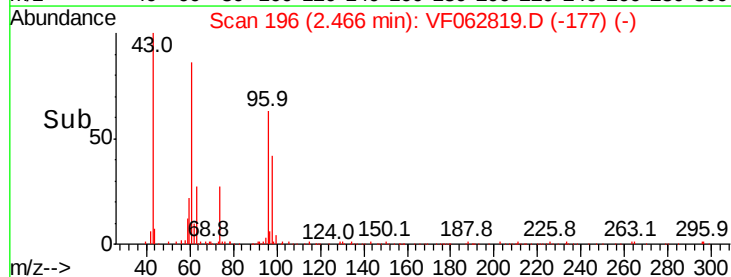
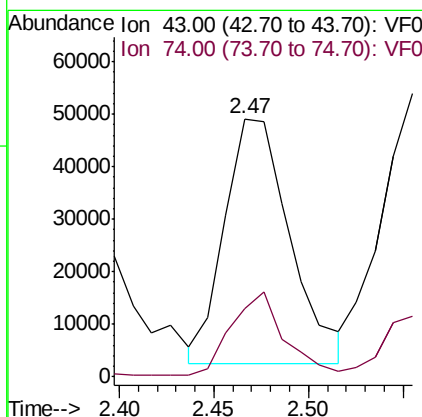
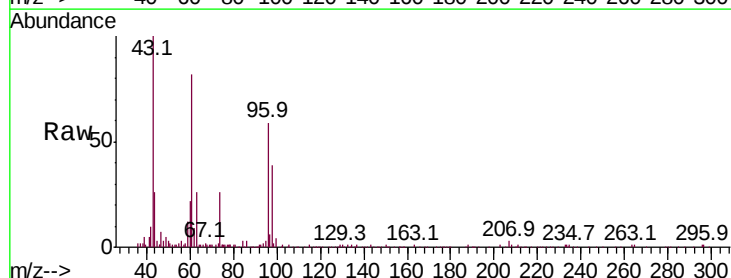
Manual Integrations
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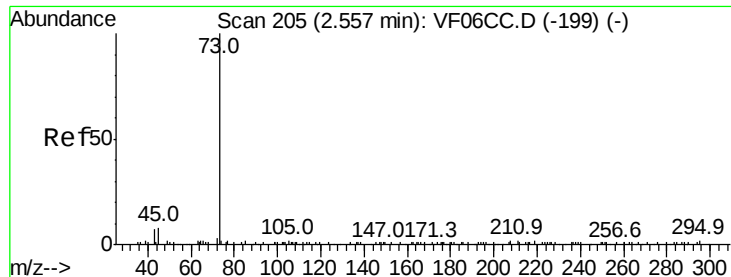
MMDadoda
6/4/2019 8:45:27 AM



#18
Methyl Acetate
Concen: 52.909 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion: 43 Resp: 112389
Ion Ratio Lower Upper
43 100
74 26.5 22.1 33.1





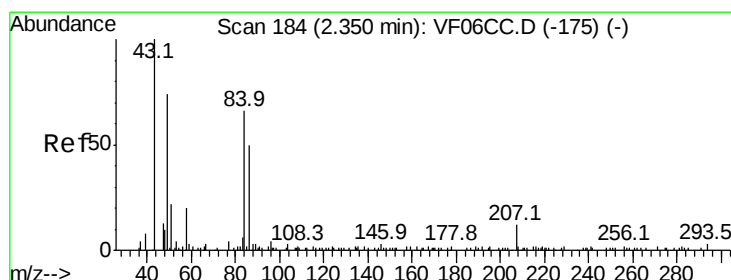
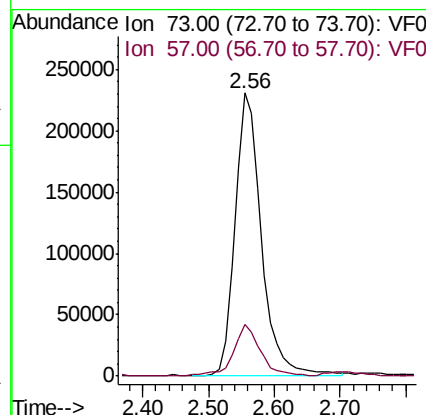
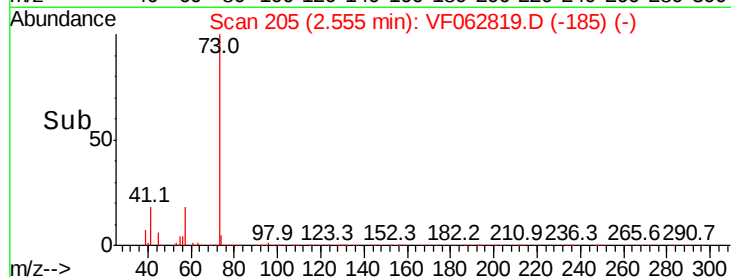
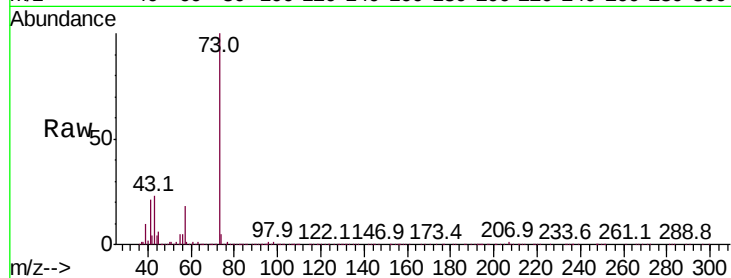
#19
Methyl tert-butyl Ether
Concen: 55.875 ug/l
RT: 2.56 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.2	15.1	22.7

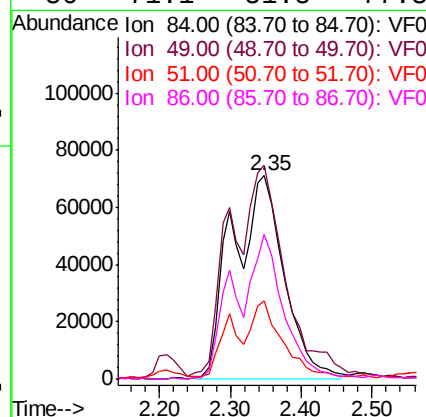
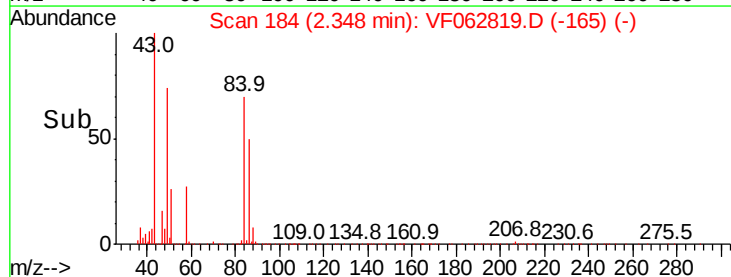
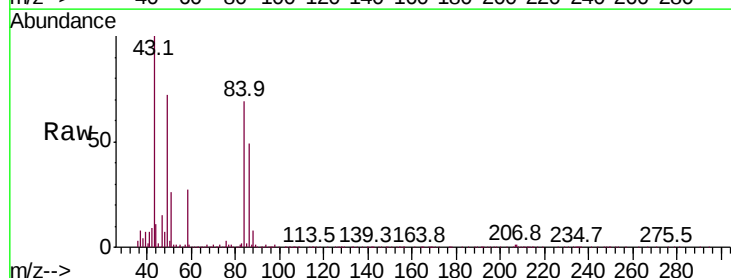
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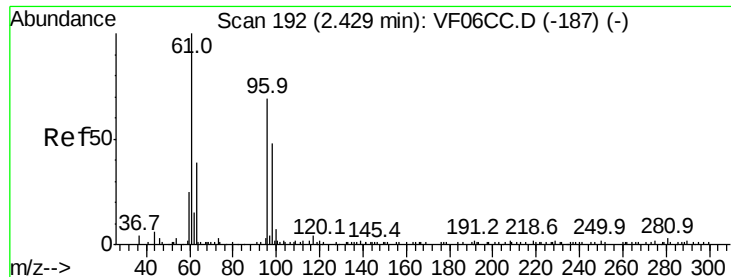
MMDadoda
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#20
Methylene Chloride
Concen: 59.987 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.2	82.6	123.8
51	38.3	25.0	37.4
86	71.1	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 59.111 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062819.D

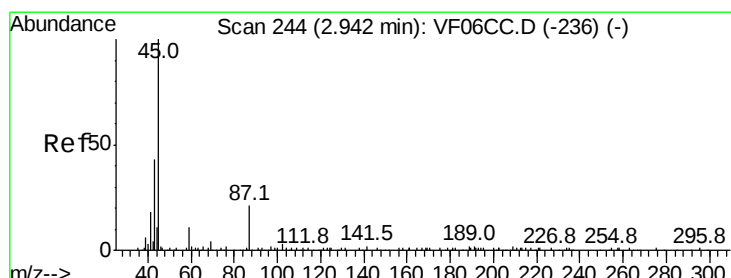
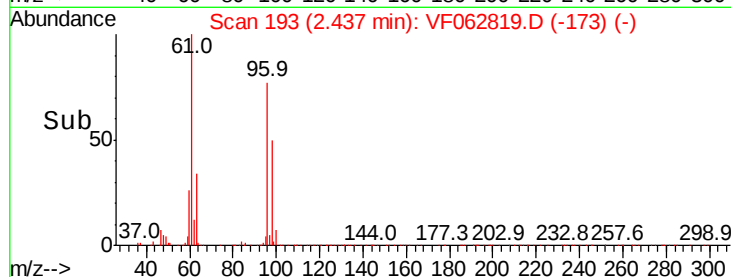
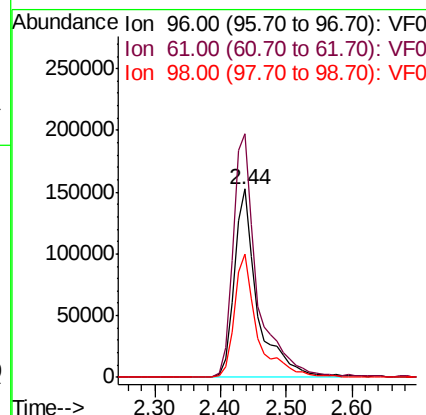
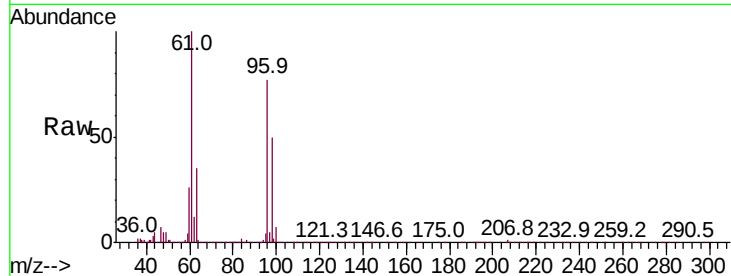
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.5	105.0	157.6
98	65.3	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.056 ug/l

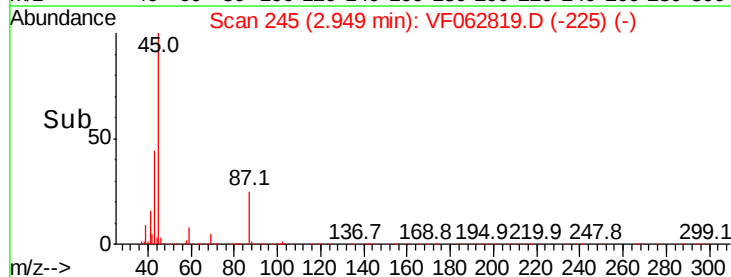
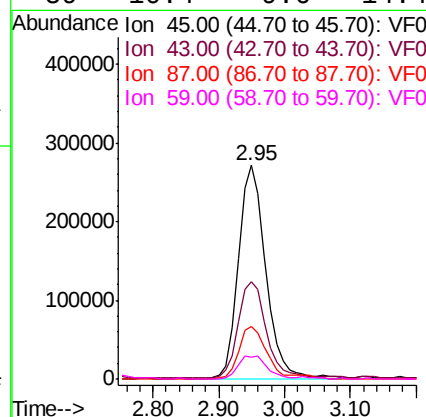
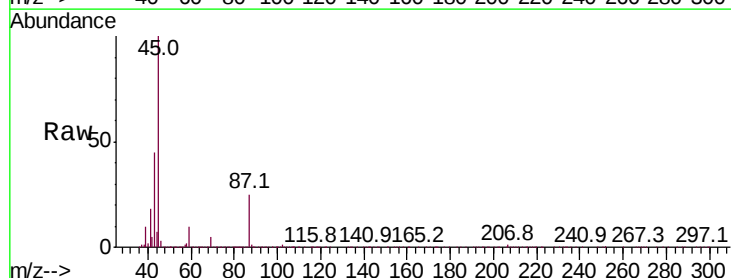
RT: 2.95 min Scan# 245

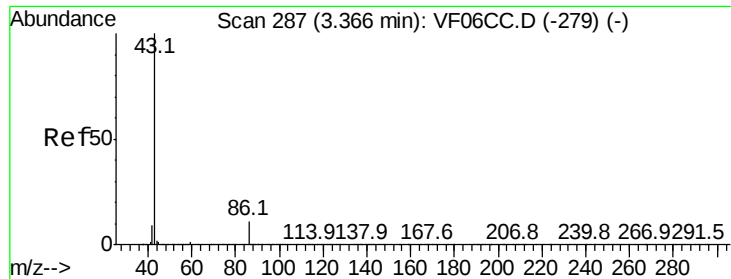
Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	45.4	34.3	51.5
87	24.8	19.0	28.4
59	10.4	9.6	14.4





#23

Vinyl Acetate

Concen: 274.008 ug/l

RT: 3.36 min Scan# 287

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2638878

Ion Ratio Lower Upper

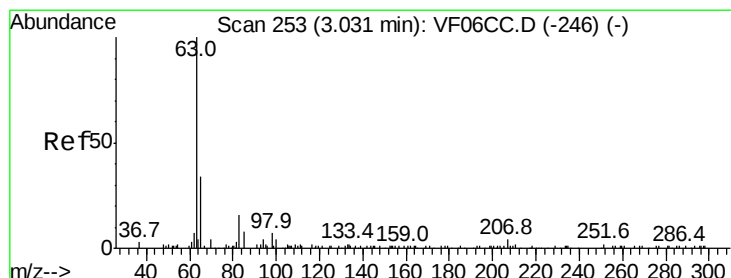
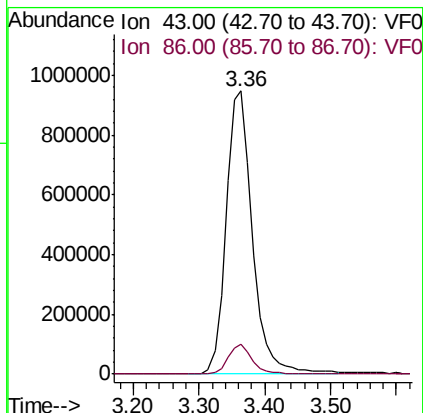
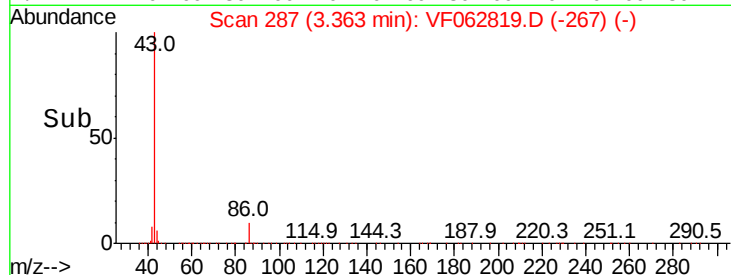
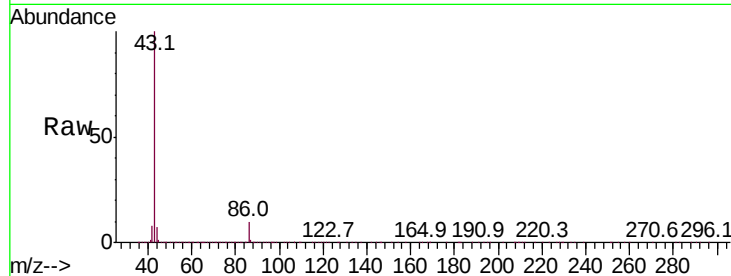
43 100

86 10.5 8.2 12.2

Manual Integrations
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MMDadoda

6/4/2019 8:45:27 AM



#24

1,1-Dichloroethane

Concen: 56.860 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

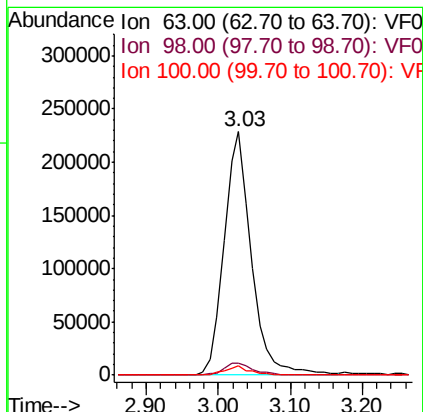
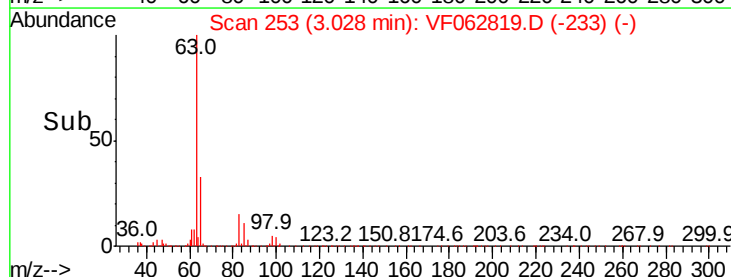
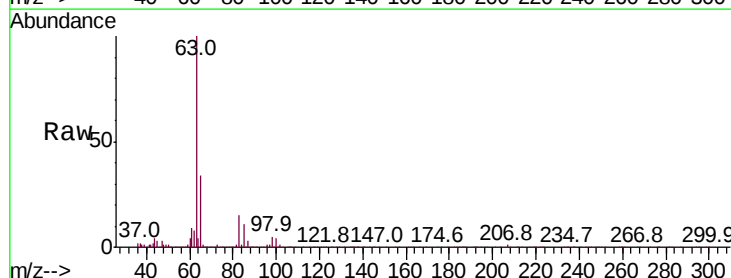
Tgt Ion: 63 Resp: 597222

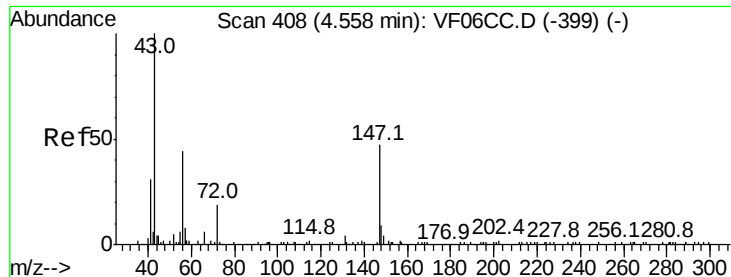
Ion Ratio Lower Upper

63 100

98 5.1 2.4 7.1

100 4.0 1.5 4.5





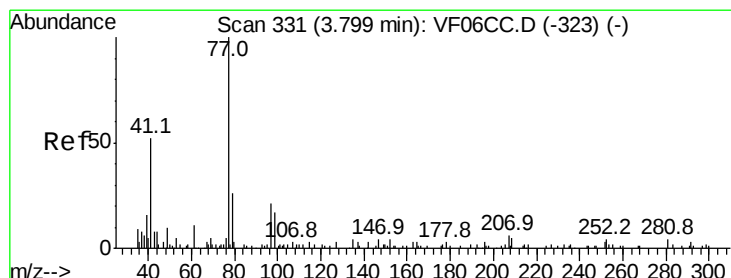
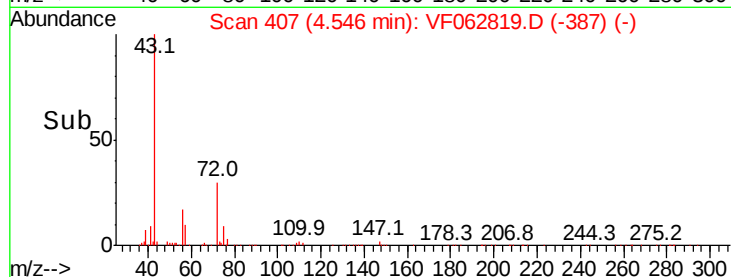
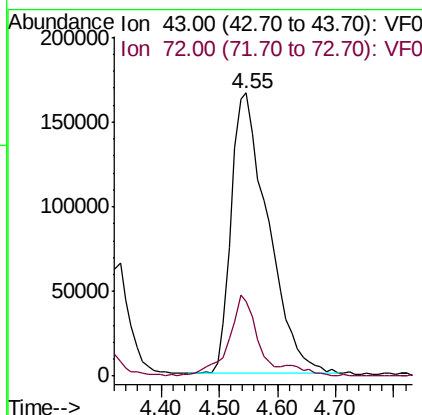
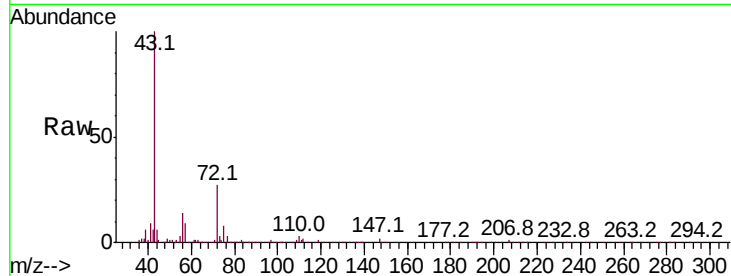
#25
2-Butanone
Concen: 258.388 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 731438
Ion Ratio Lower Upper
43 100
72 26.6 21.4 32.0

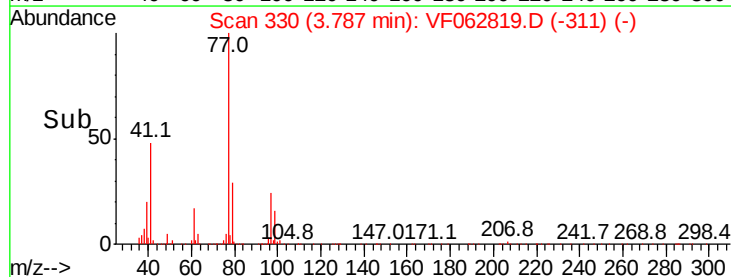
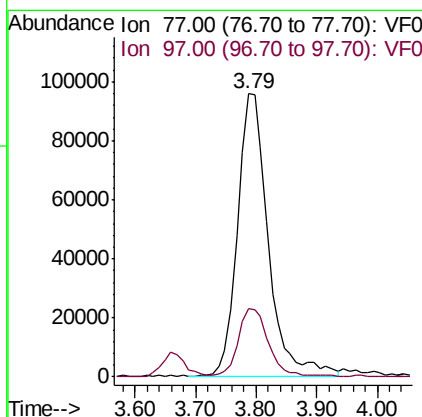
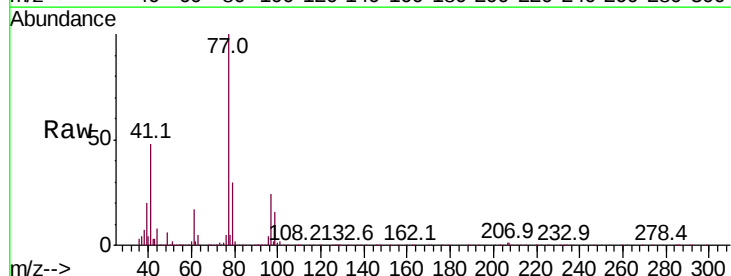
Manual Integrations
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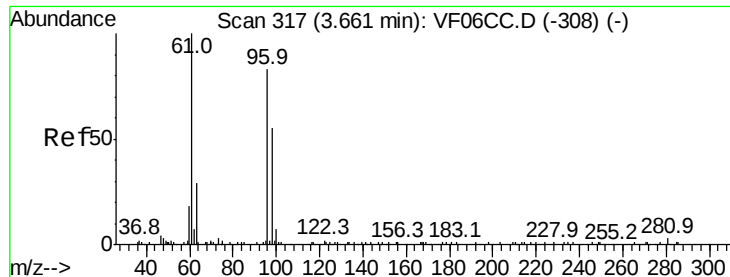
MMDadoda
6/4/2019 8:45:27 AM



#26
2,2-Dichloropropane
Concen: 56.977 ug/l
RT: 3.79 min Scan# 330
Delta R.T. -0.01 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion: 77 Resp: 339799
Ion Ratio Lower Upper
77 100
97 24.2 12.4 37.4





#27

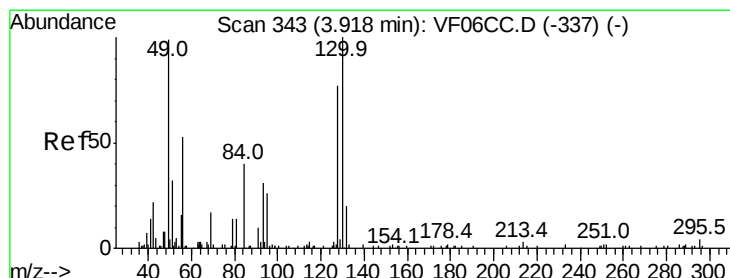
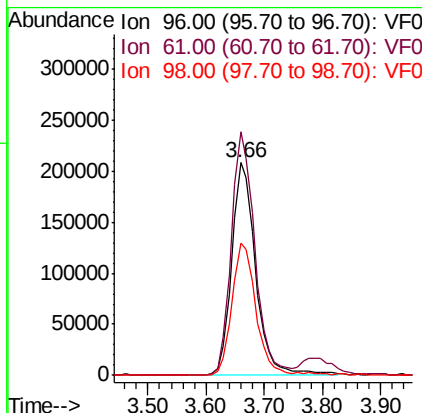
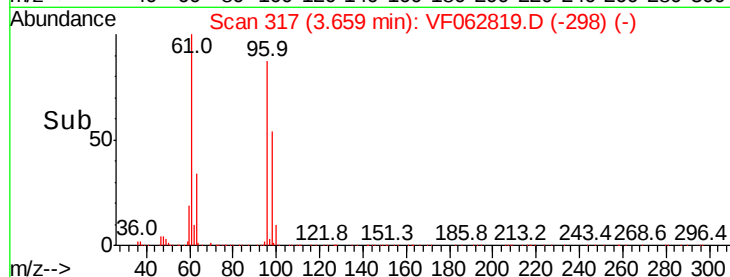
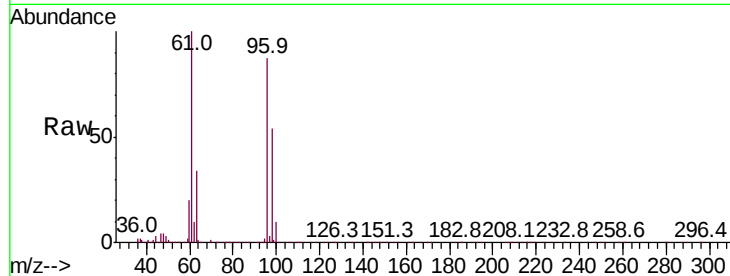
cis-1,2-Dichloroethene
Concen: 55.025 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	96	Resp	591896
Ion	Ratio	Lower	Upper
96	100		
61	114.6	0.0	213.8
98	62.3	0.0	127.0

Manual Integrations
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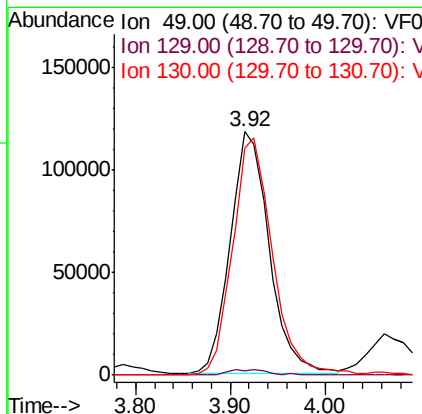
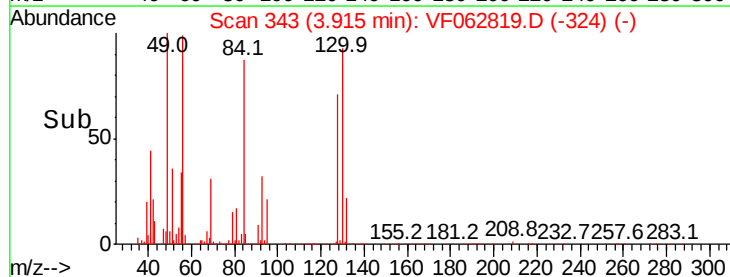
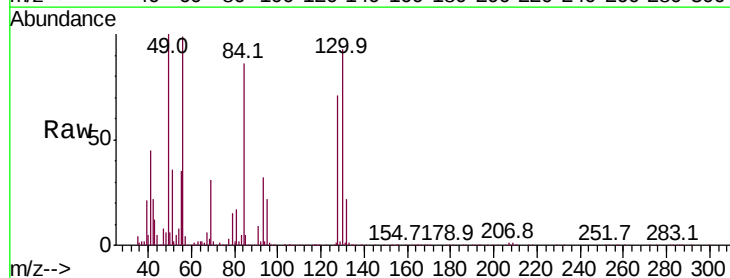
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6/4/2019 8:45:27 AM

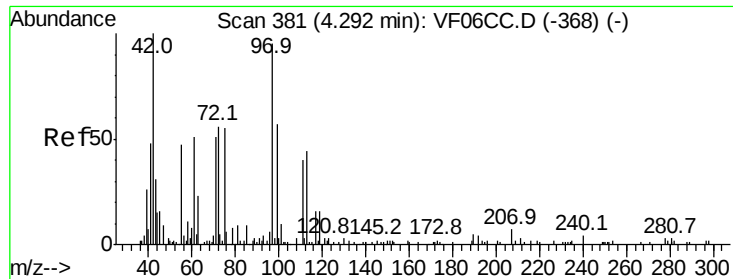


#28

Bromochloromethane
Concen: 59.150 ug/l
RT: 3.92 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	49	Resp	337942
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	5.4
130	93.1	79.2	118.8





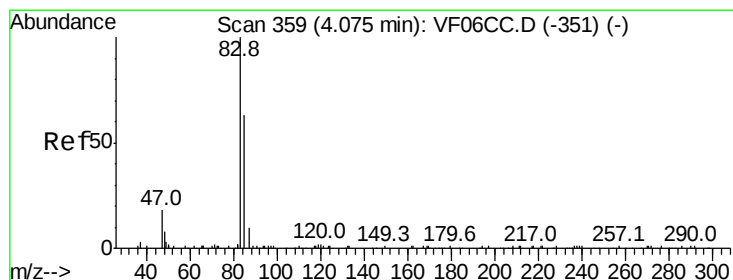
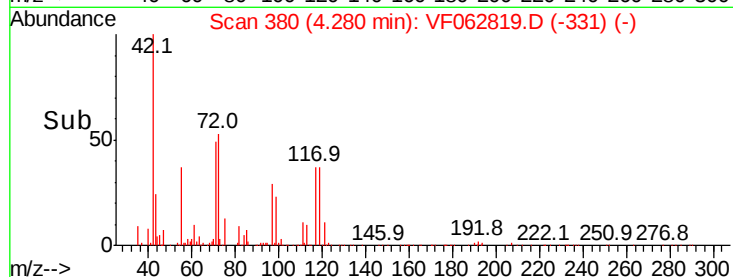
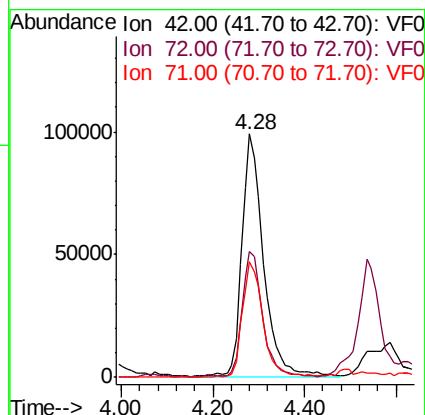
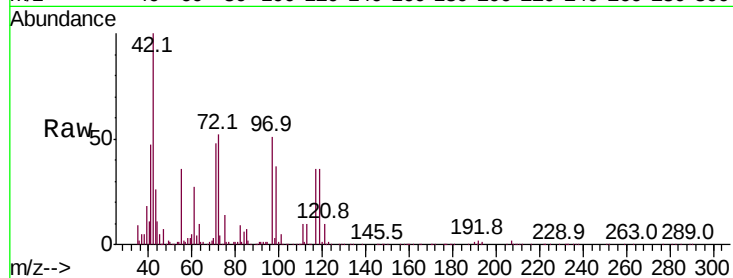
#29
Tetrahydrofuran
Concen: 302.213 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	39.0	58.6
71	45.8	36.9	55.3

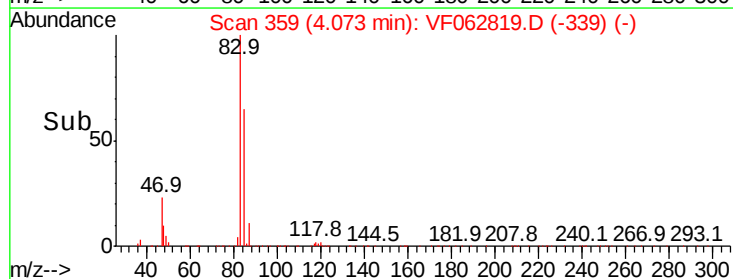
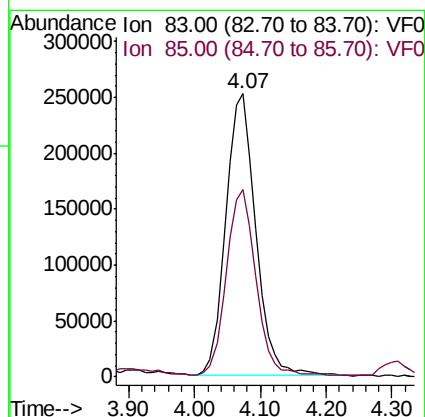
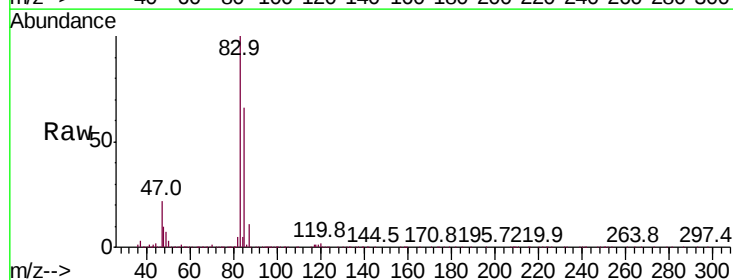
Manual Integrations
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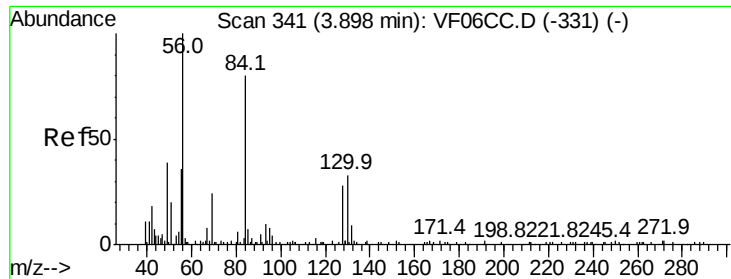
MMDadoda
6/4/2019 8:45:27 AM



#30
Chloroform
Concen: 54.409 ug/l
RT: 4.07 min Scan# 359
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	55.0	82.6





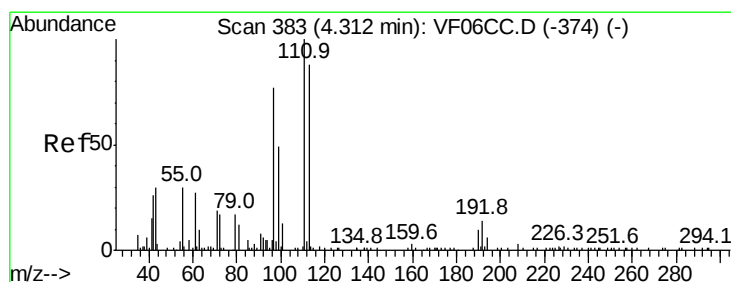
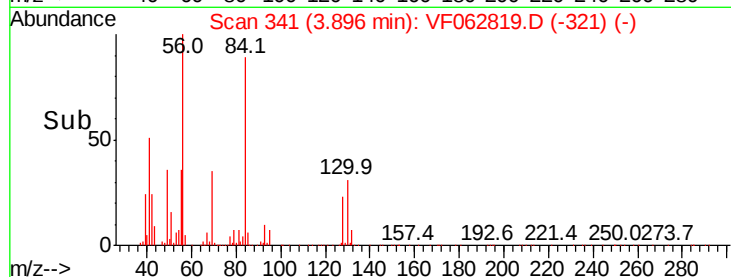
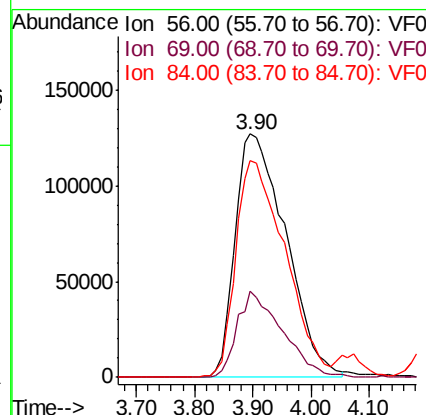
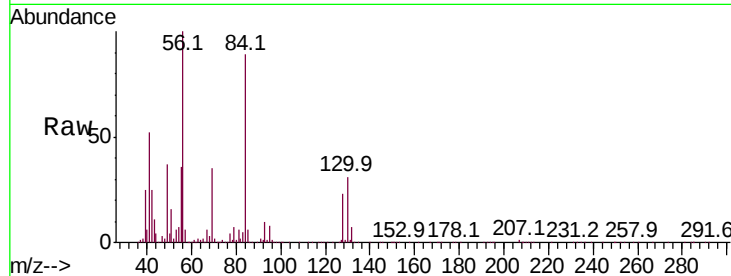
#31
Cyclohexane
Concen: 54.042 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	26.7	40.1
84	89.2	74.3	111.5

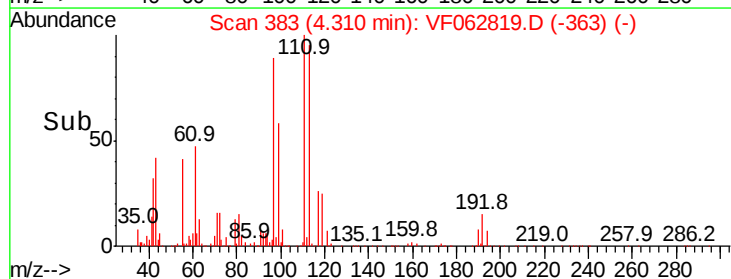
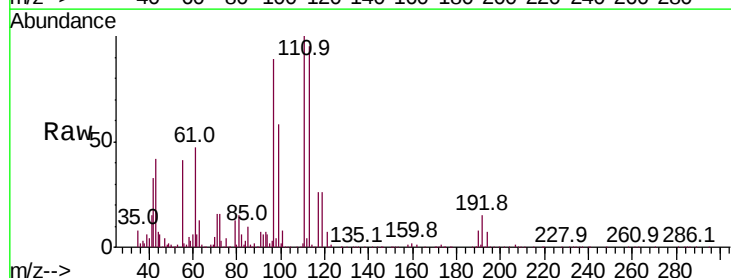
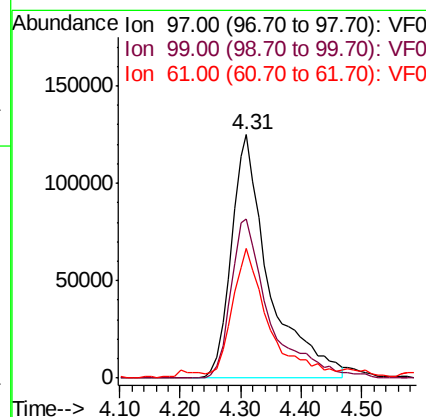
Manual Integrations
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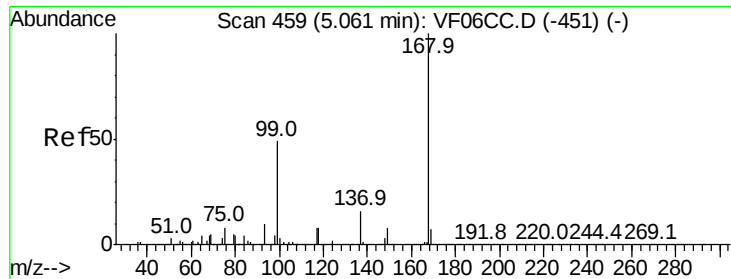
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#32
1,1,1-Trichloroethane
Concen: 62.751 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.7	77.5
61	53.3	38.9	58.3





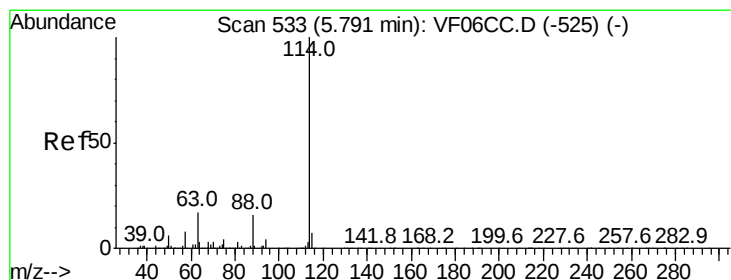
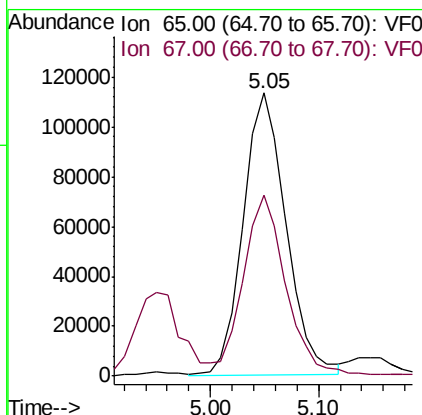
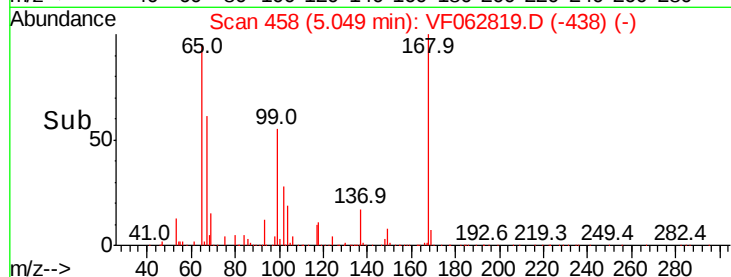
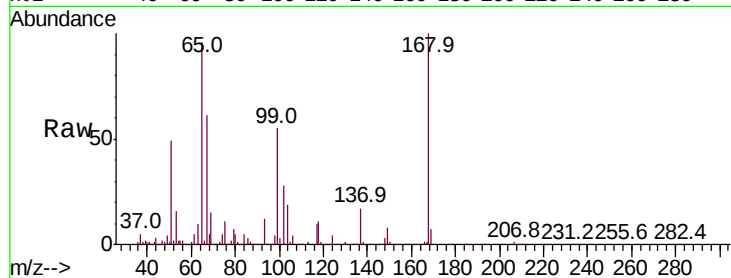
#33
 1,2-Dichloroethane-d4
 Concen: 58.698 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VF062819.D
 Acq: 31 May 2019 20:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 311744
 Ion Ratio Lower Upper
 65 100
 67 63.9 0.0 121.2

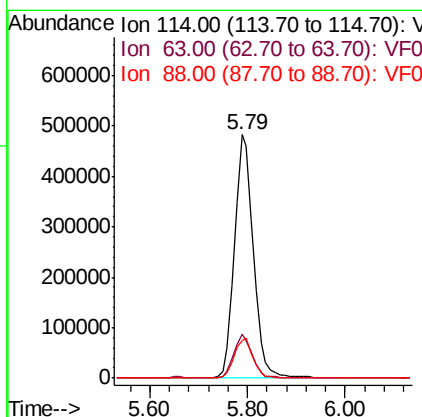
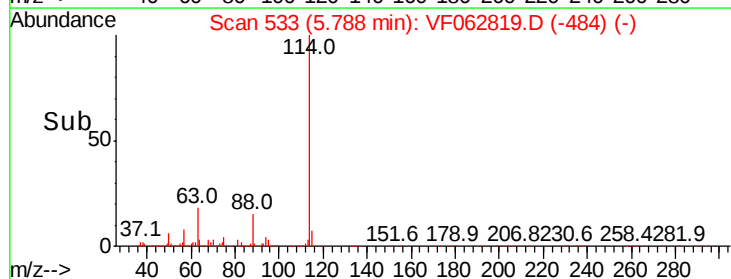
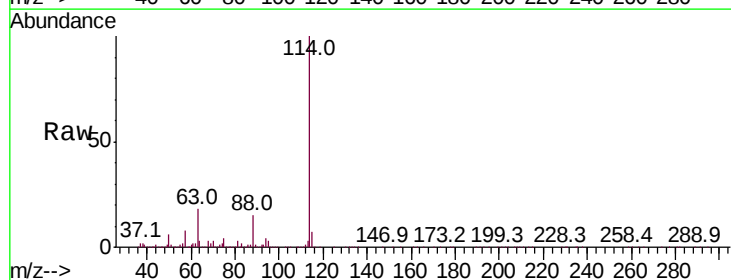
Manual Integrations
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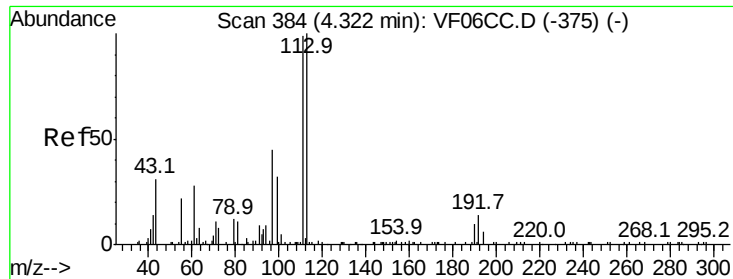
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 6/4/2019 8:45:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062819.D
 Acq: 31 May 2019 20:02

Tgt Ion: 114 Resp: 1304274
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.2
 88 15.4 0.0 31.2





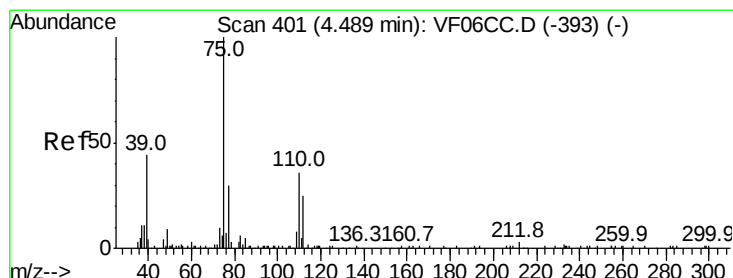
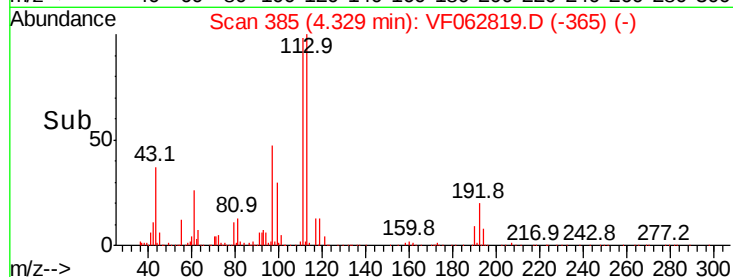
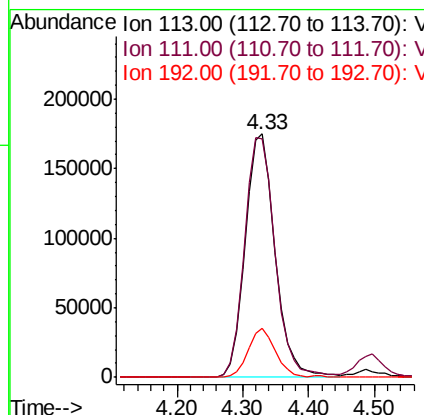
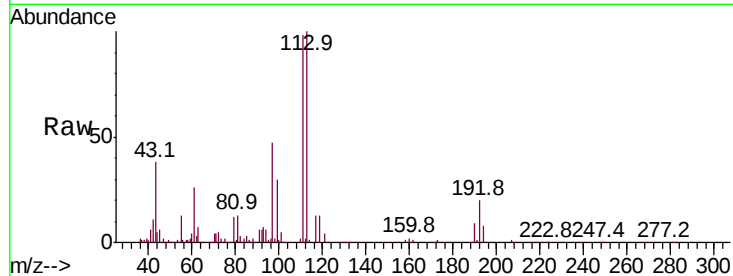
#35
Dibromofluoromethane
Concen: 56.724 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	559060		
111	98.0		81.9	122.9
192	19.9		15.1	22.7

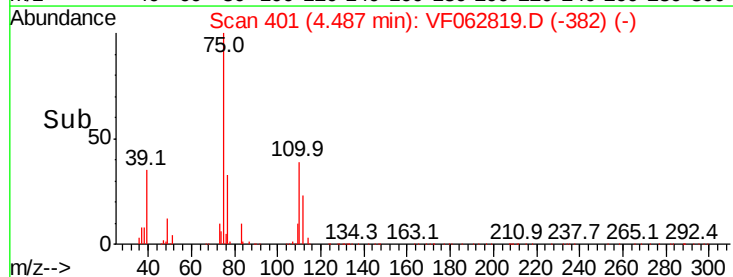
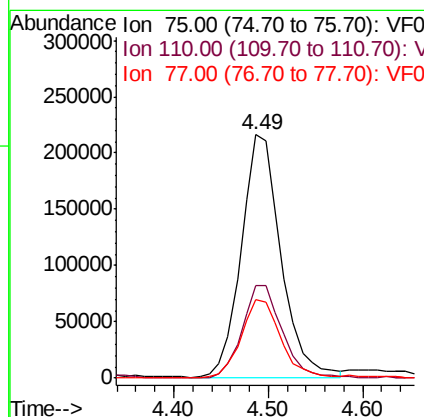
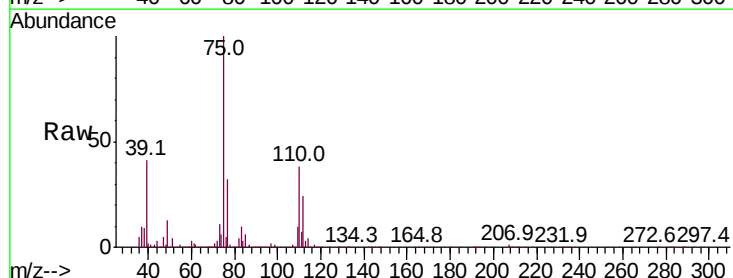
Manual Integrations
APPROVED

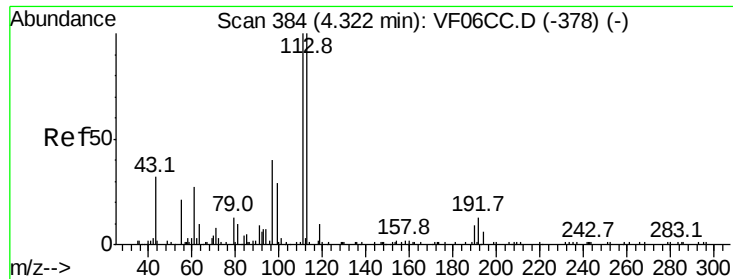
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6/4/2019 8:45:27 AM



#36
1,1-Dichloropropene
Concen: 52.176 ug/l
RT: 4.49 min Scan# 401
Delta R.T. -0.01 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	626474		
110	38.1		19.4	58.1
77	32.3		25.4	38.2





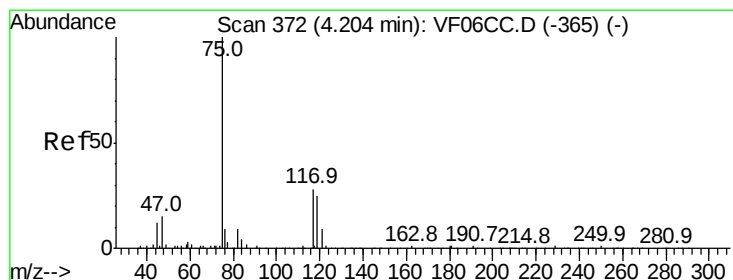
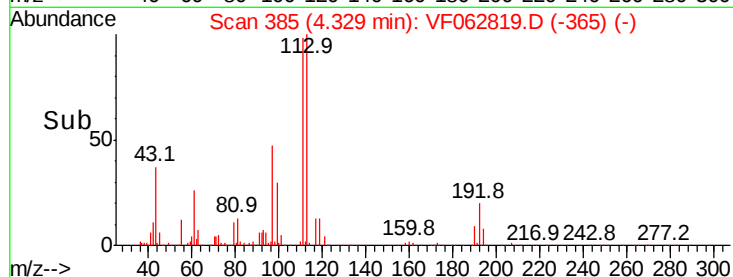
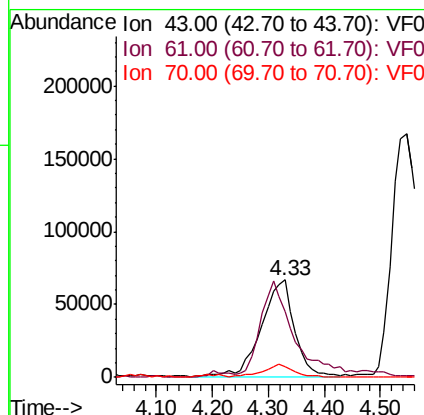
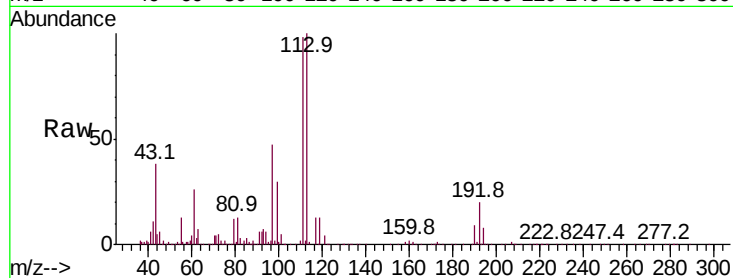
#37
Ethyl Acetate
Concen: 59.497 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	68.2	59.1	88.7
70	10.7	10.1	15.1

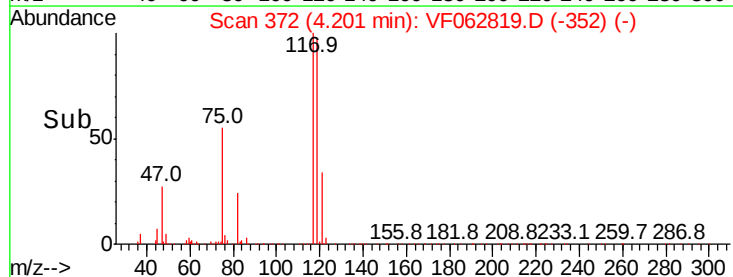
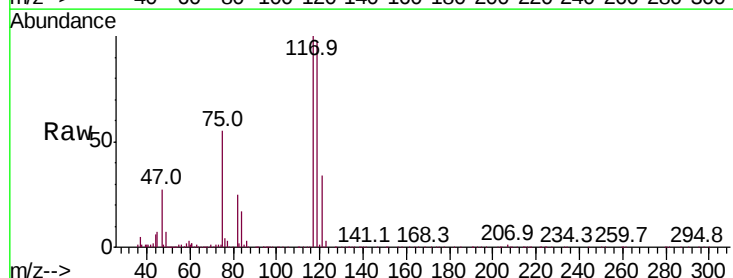
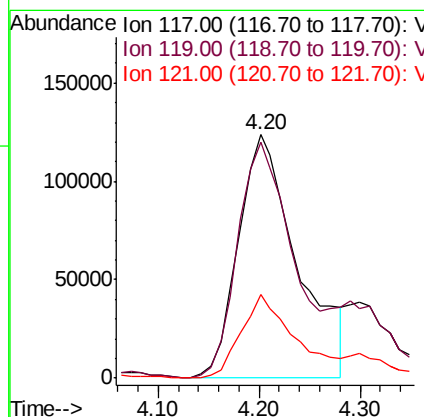
Manual Integrations
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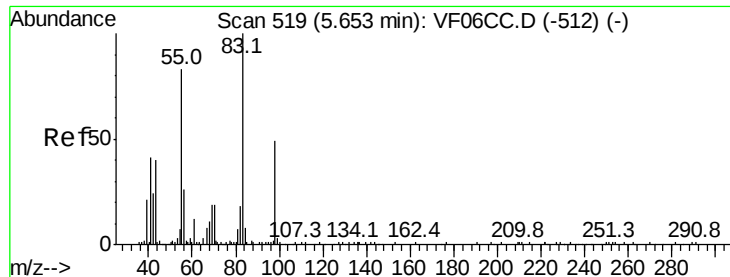
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#38
Carbon Tetrachloride
Concen: 62.040 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.2	117.2
121	34.3	28.2	42.2





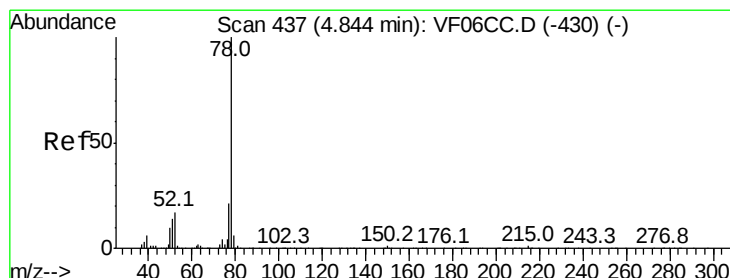
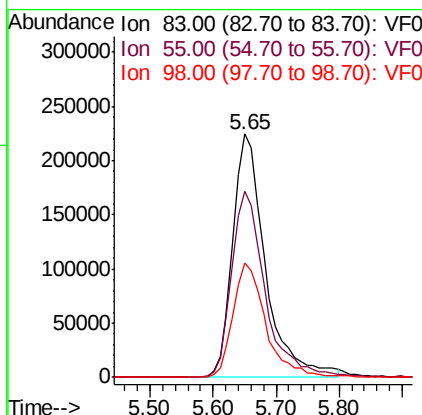
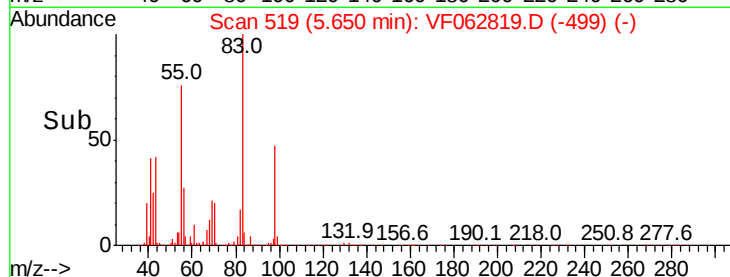
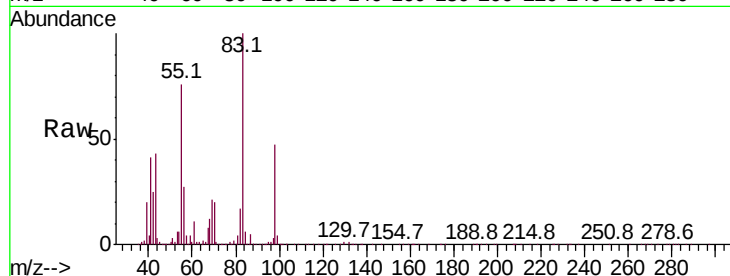
#39
Methvlcvclohexane
Concen: 53.945 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.6	92.4
98	47.0	37.4	56.2

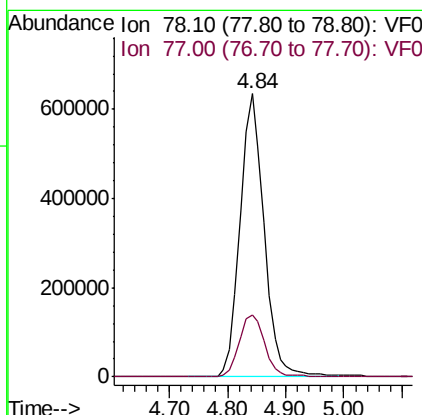
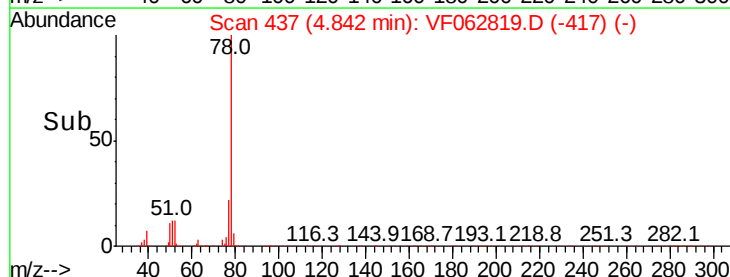
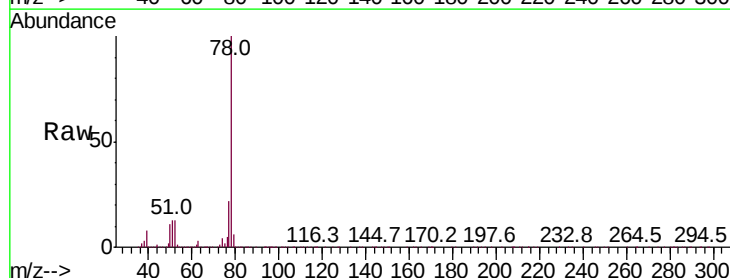
Manual Integrations
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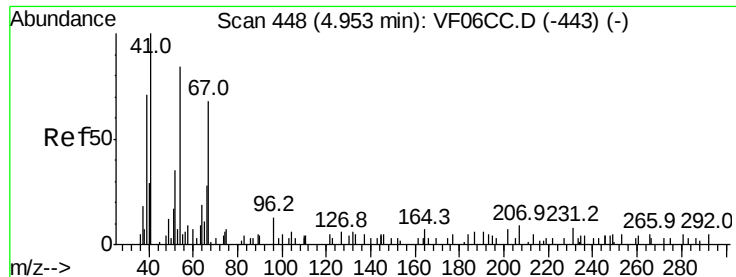
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6/4/2019 8:45:27 AM



#40
Benzene
Concen: 52.203 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.9	28.3





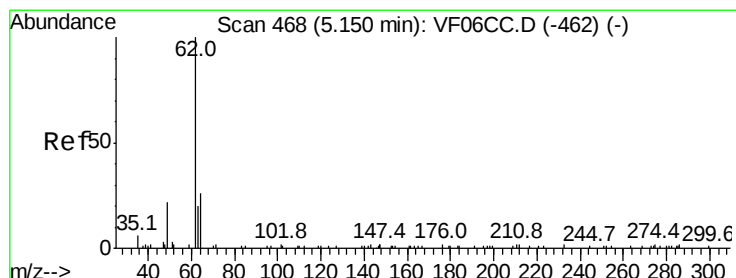
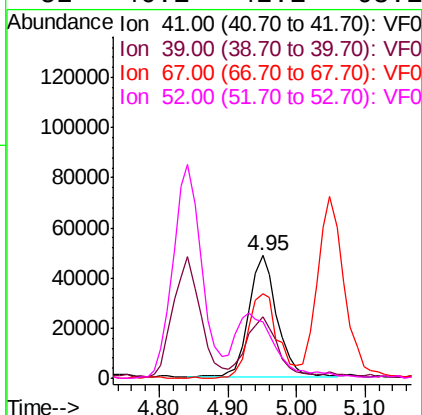
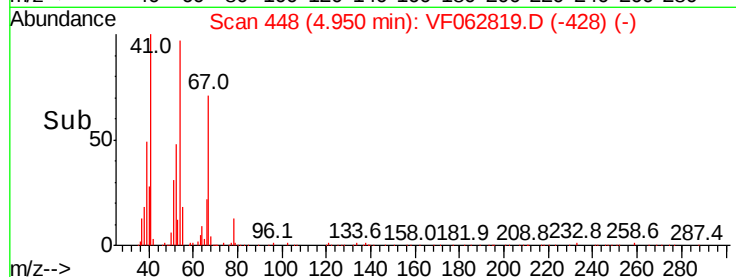
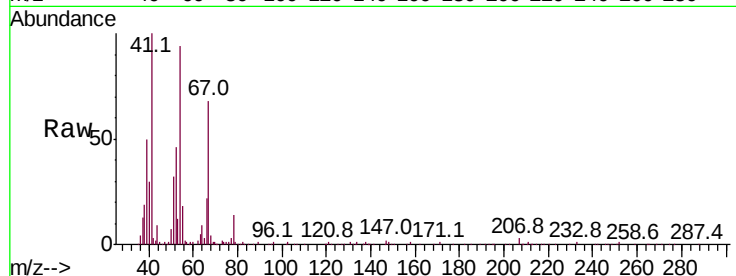
#41
Methacrylonitrile
Concen: 54.425 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.6	42.0	63.0
67	68.5	61.4	92.0
52	46.1	42.1	63.1

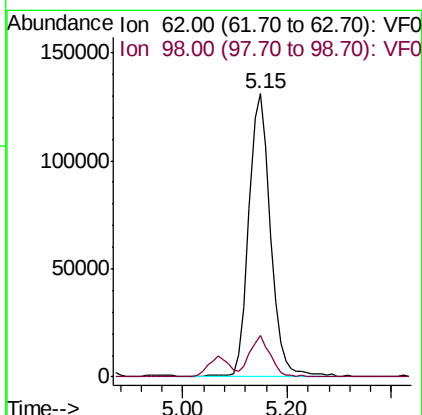
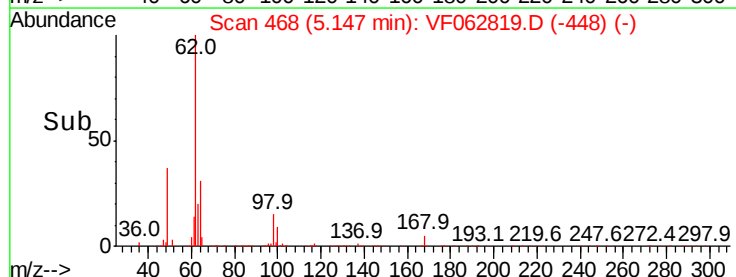
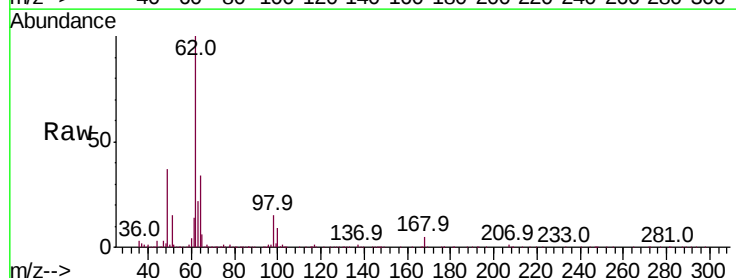
Manual Integrations
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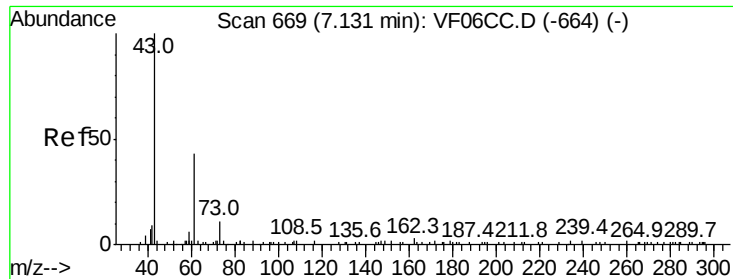
MMDadoda
6/4/2019 8:45:27 AM



#42
1,2-Dichloroethane
Concen: 55.569 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	14.7	0.0	24.0





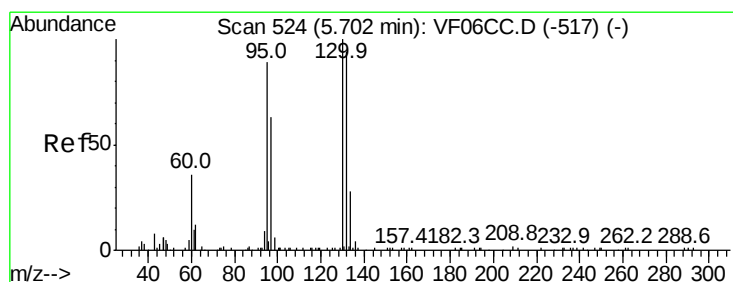
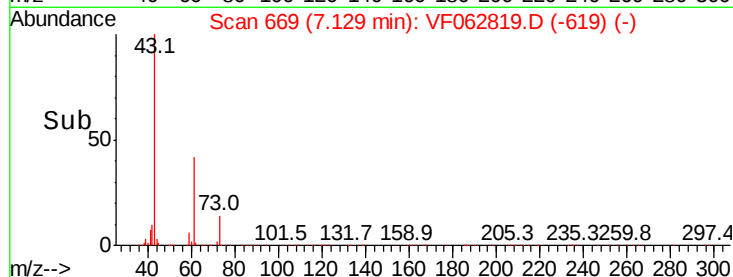
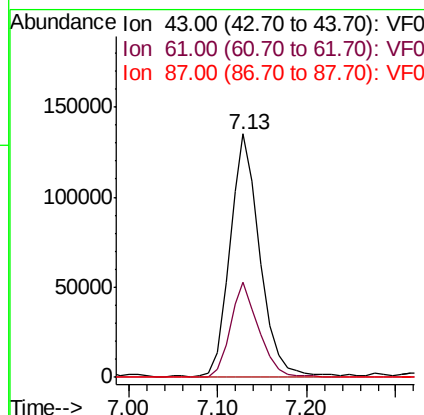
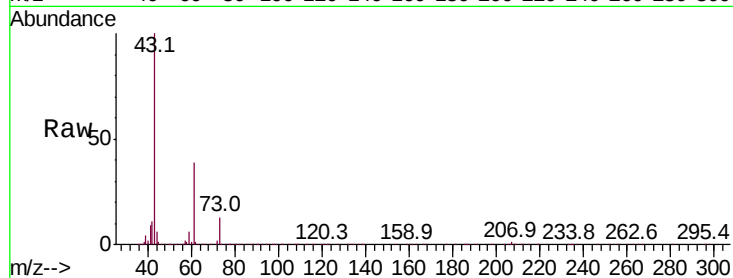
#43
Isopropyl Acetate
Concen: 51.767 ug/l
RT: 7.13 min Scan# 669
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	39.0	29.8	44.6
87	0.4	0.3	0.5

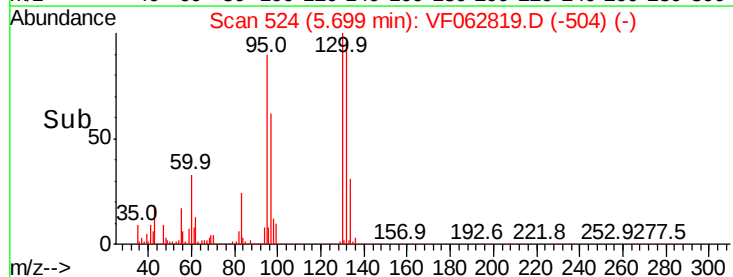
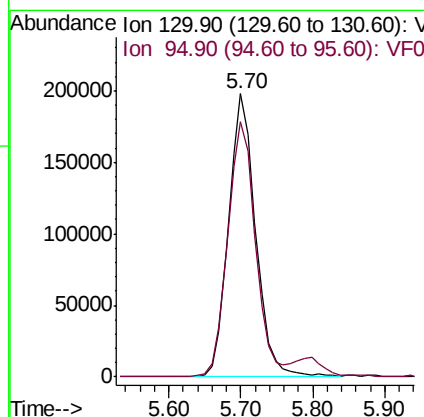
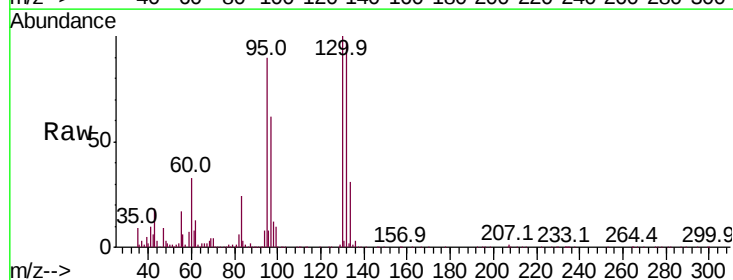
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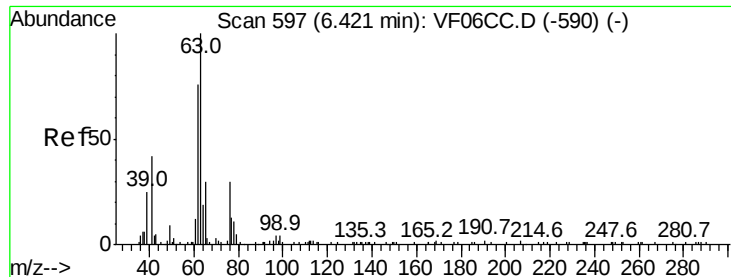
MMDadoda
6/4/2019 8:45:27 AM



#44
Trichloroethene
Concen: 52.543 ug/l
RT: 5.70 min Scan# 524
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	188.2





#45

1,2-Dichloropropane

Concen: 55.500 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 486691

Ion Ratio Lower Upper

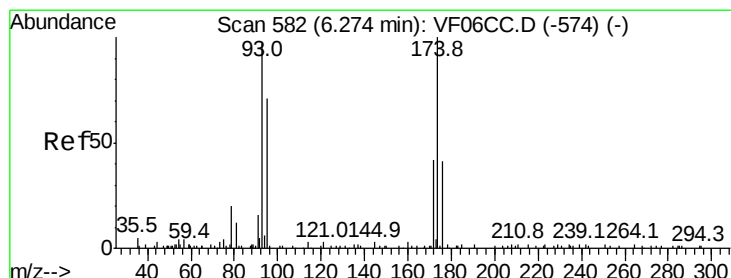
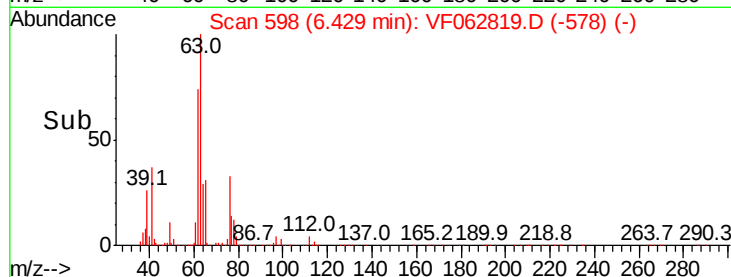
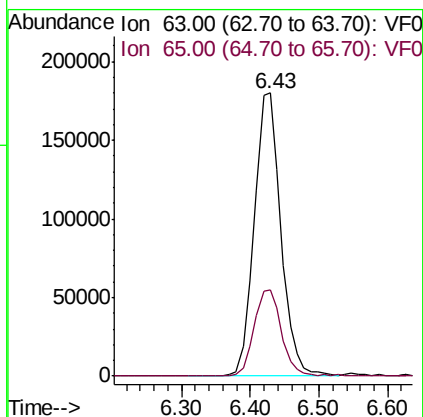
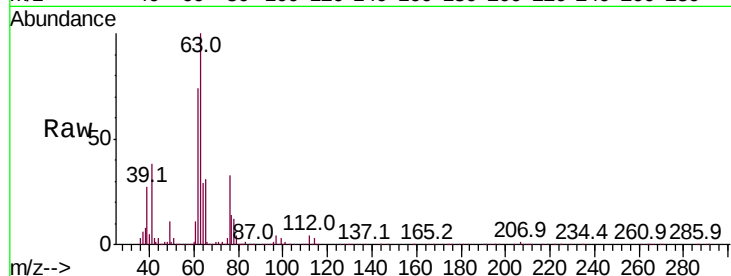
63 100

65 30.6 24.2 36.2

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#46

Dibromomethane

Concen: 54.572 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

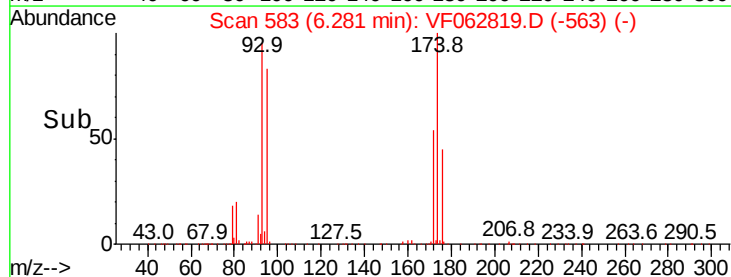
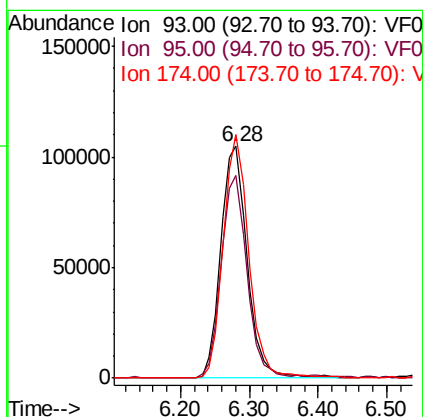
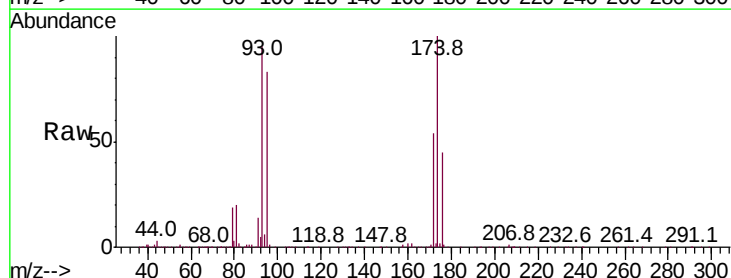
Tgt Ion: 93 Resp: 279402

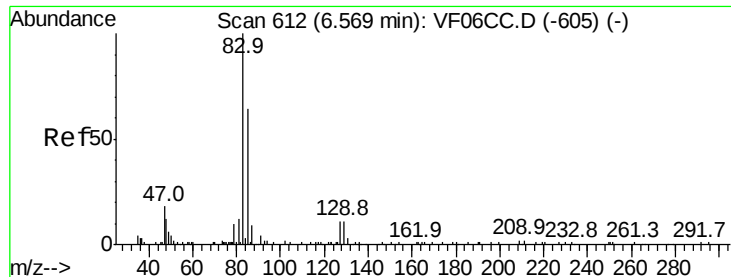
Ion Ratio Lower Upper

93 100

95 87.4 67.9 101.9

174 105.1 85.0 127.4





#47

Bromodichloromethane

Concen: 53.554 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062819.D

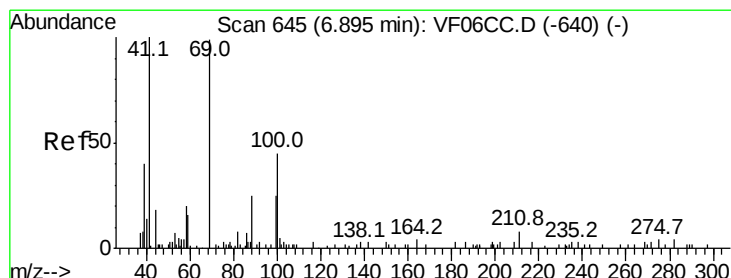
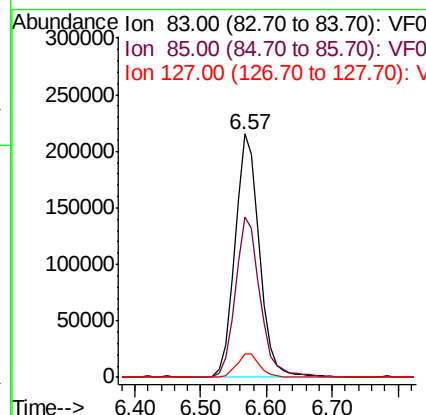
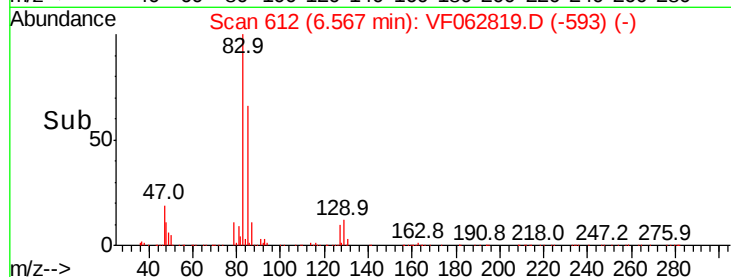
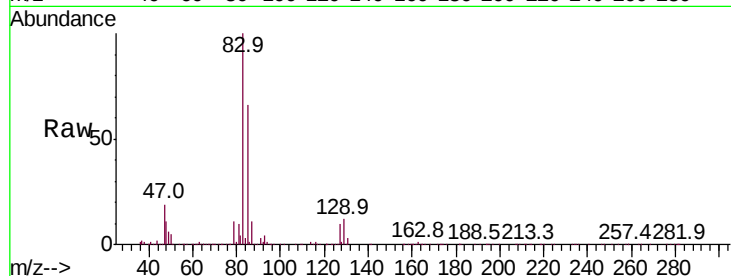
Acq: 31 May 2019 20:02

Tot Ion:	83	Resp:	558403
Ion Ratio	Lower	Upper	
83	100		
85	66.1	54.2	81.4
127	9.9	7.0	10.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.403 ug/l

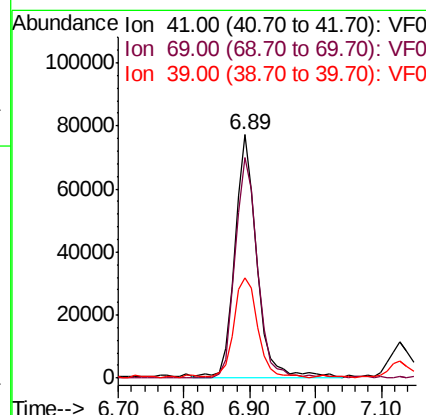
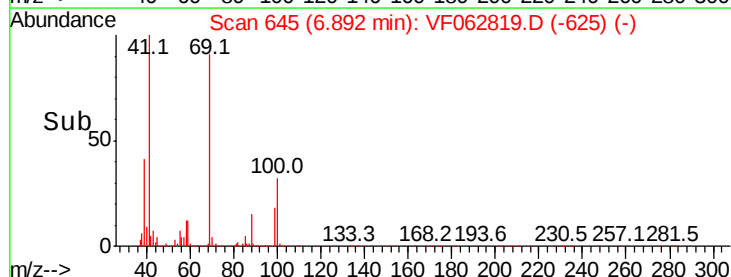
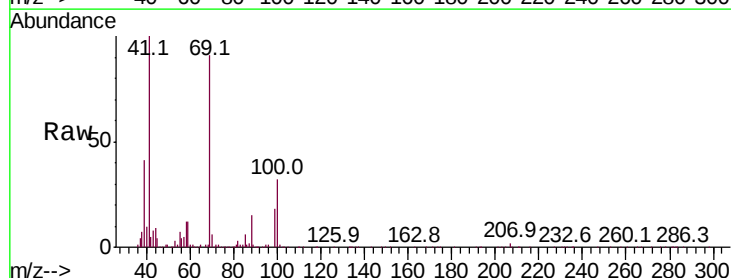
RT: 6.89 min Scan# 645

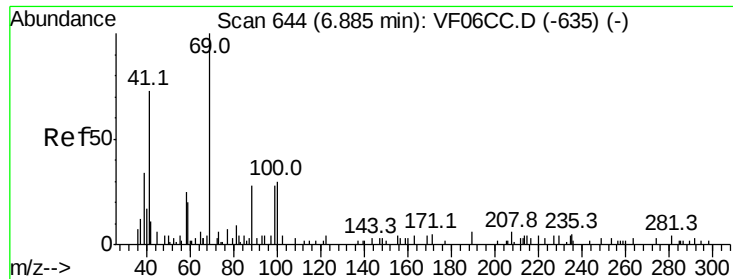
Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Tgt Ion:	41	Resp:	179372
Ion Ratio	Lower	Upper	
41	100		
69	90.8	79.4	119.2
39	41.0	39.8	59.6





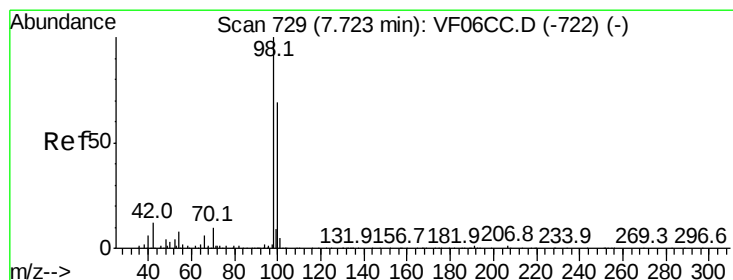
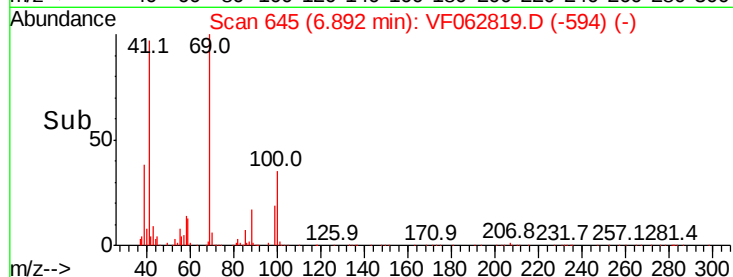
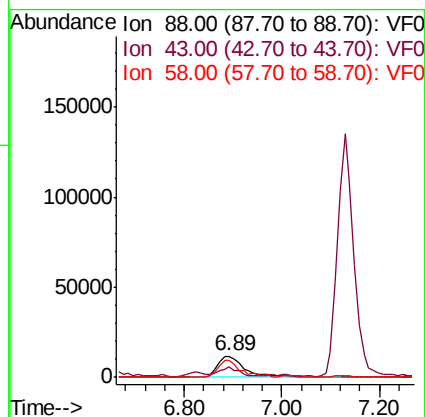
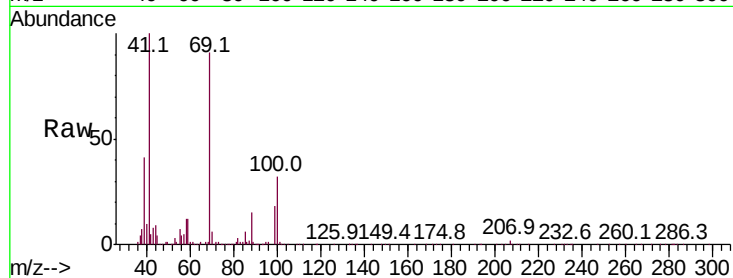
#49
1,4-Dioxane
Concen: 1161.376 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	52.0	34.8	52.2
58	80.8	59.9	89.9

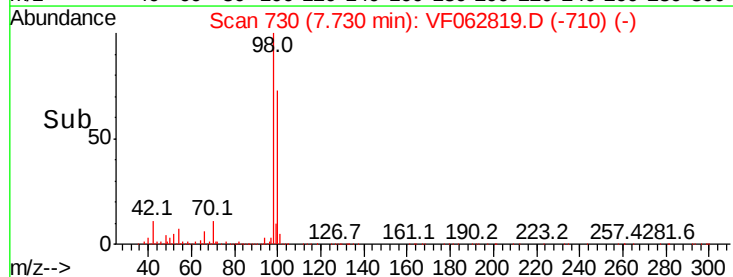
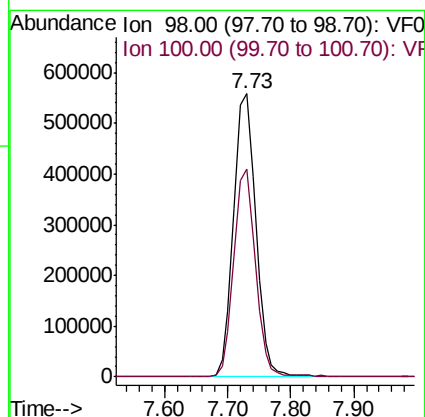
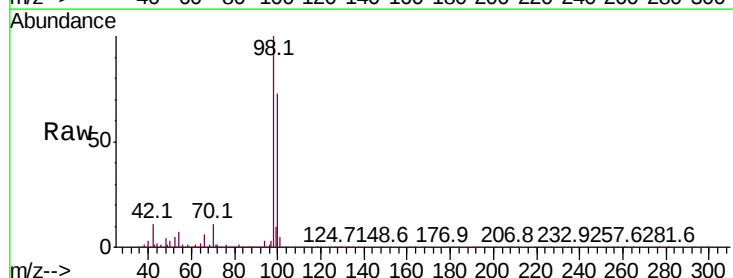
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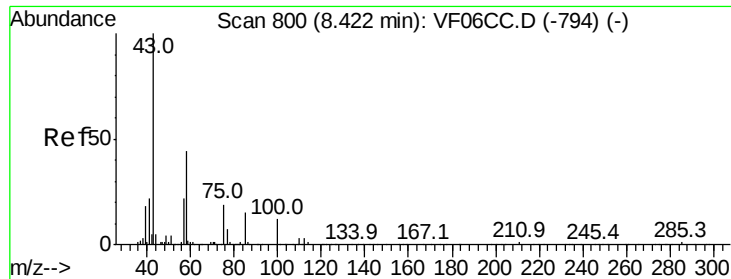
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#50
Toluene-d8
Concen: 54.916 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.3	59.8	89.8





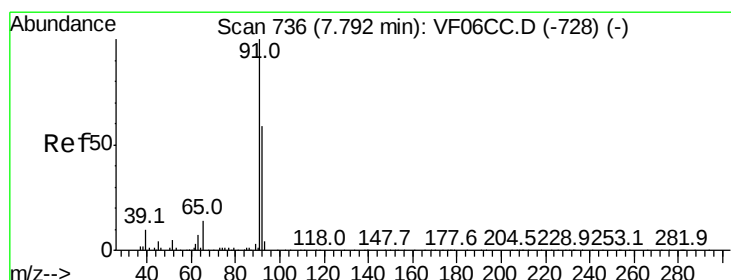
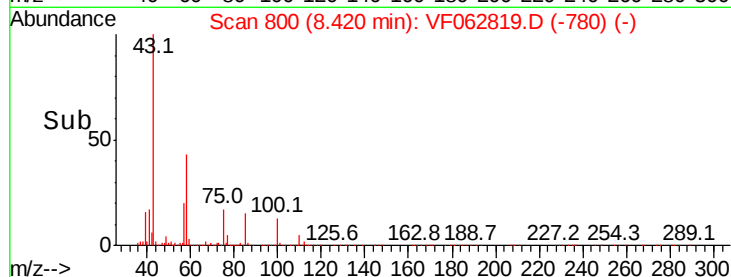
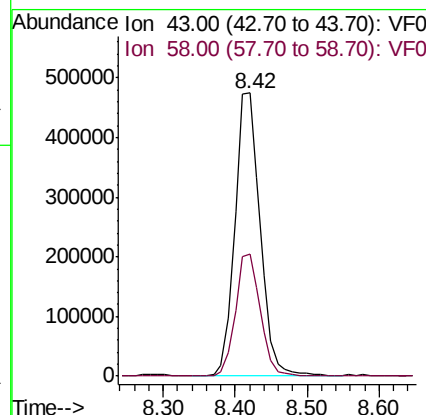
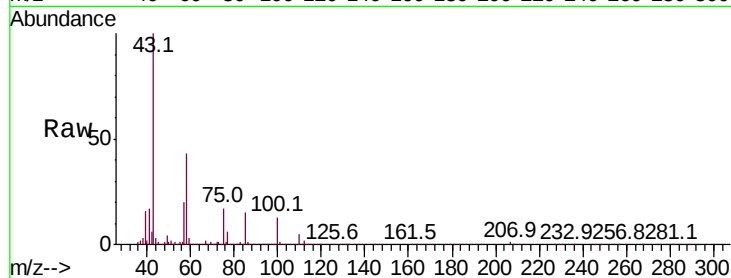
#51
4-Methyl-2-Pentanone
Concen: 265.718 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1150239
Ion Ratio Lower Upper
43 100
58 43.0 35.5 53.3

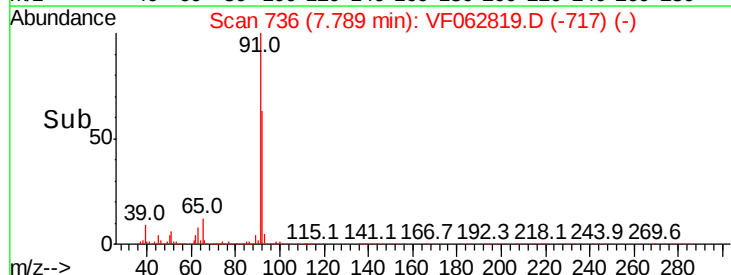
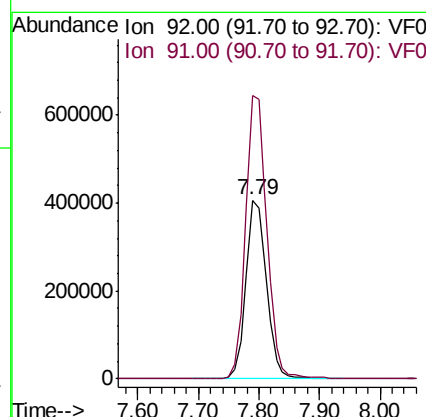
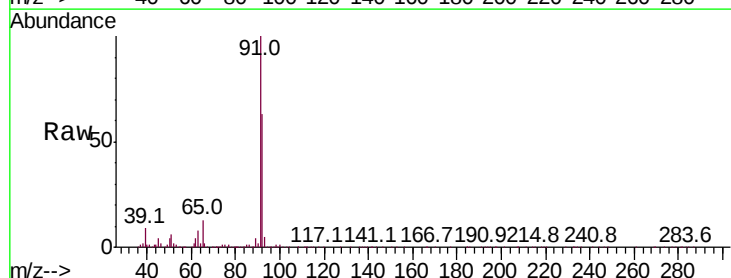
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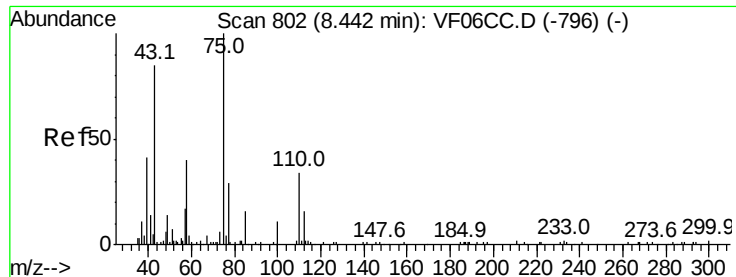
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#52
Toluene
Concen: 51.169 ug/l
RT: 7.79 min Scan# 736
Delta R.T. -0.01 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion: 92 Resp: 963089
Ion Ratio Lower Upper
92 100
91 158.7 123.2 184.8





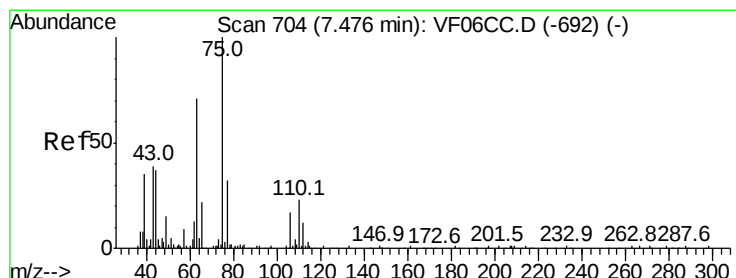
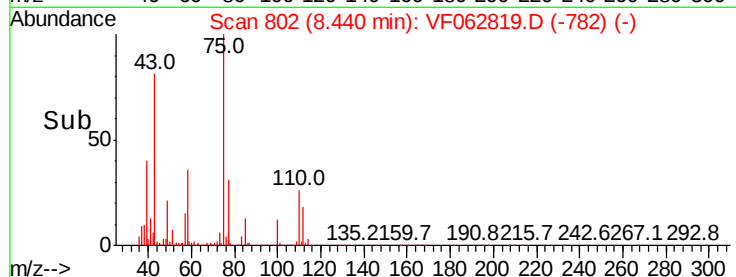
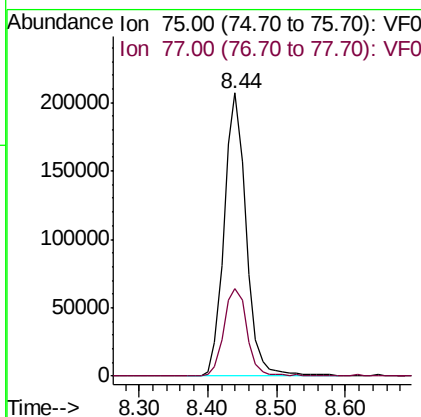
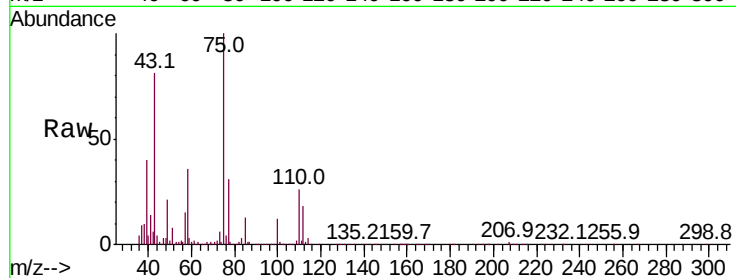
#53
t-1,3-Dichloropropene
Concen: 52.554 ug/l
RT: 8.44 min Scan# 802
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.7	38.5

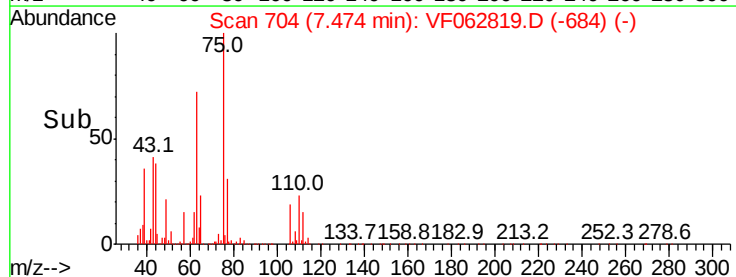
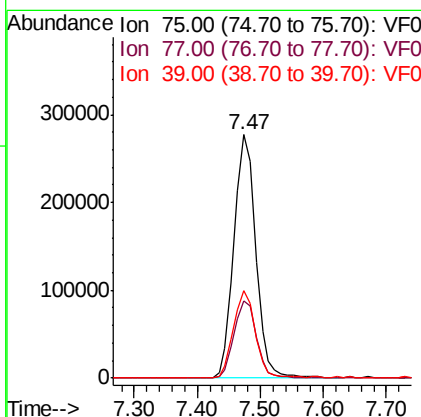
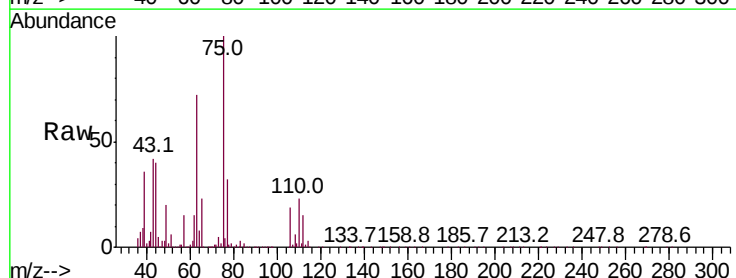
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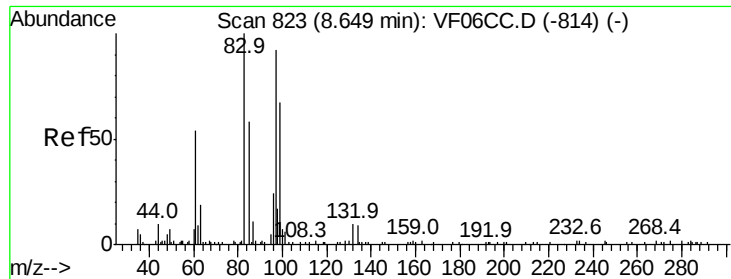
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#54
cis-1,3-Dichloropropene
Concen: 53.165 ug/l
RT: 7.47 min Scan# 704
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.8
39	36.0	28.4	42.6





#55

1,1,2-Trichloroethane

Concen: 52.892 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

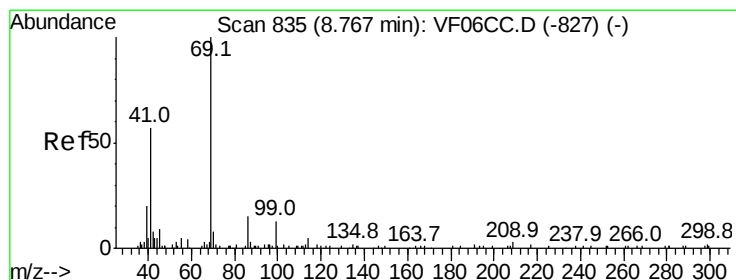
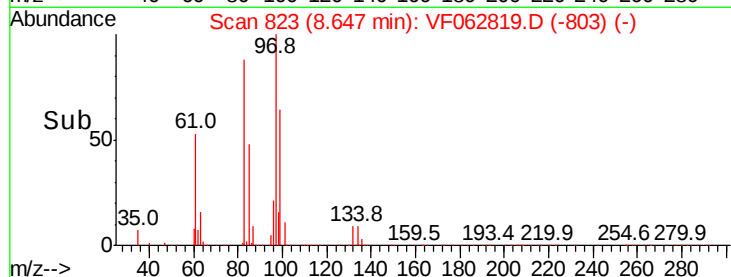
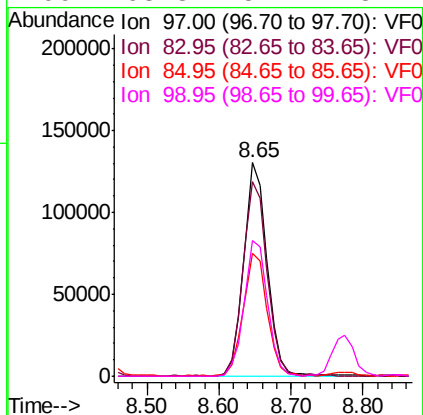
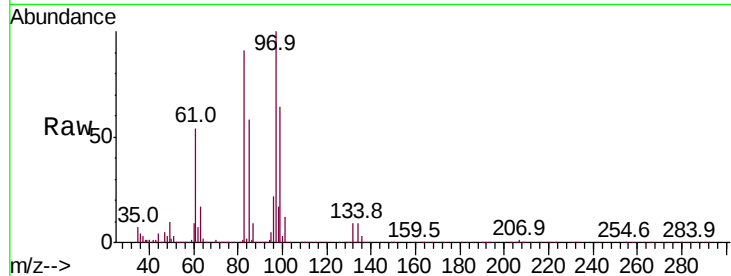
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	297407
Ion Ratio	Lower	Upper	
97	100		
83	91.4	72.0	108.0
85	57.6	47.5	71.3
99	63.8	54.1	81.1

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#56

Ethyl methacrylate

Concen: 55.606 ug/l

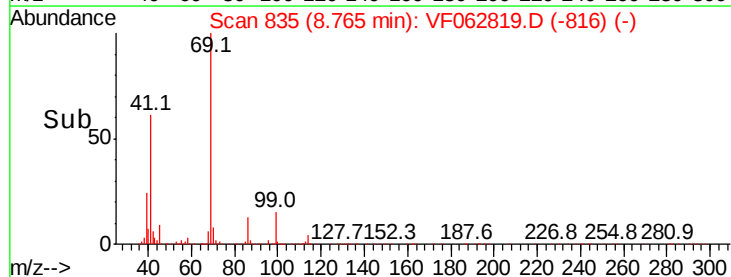
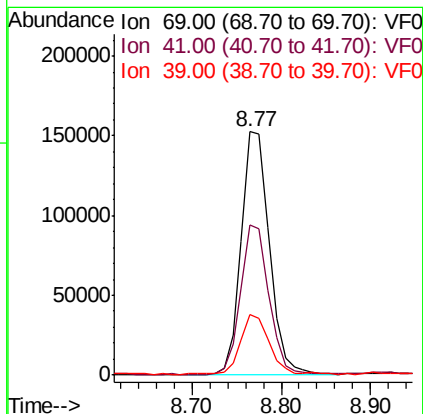
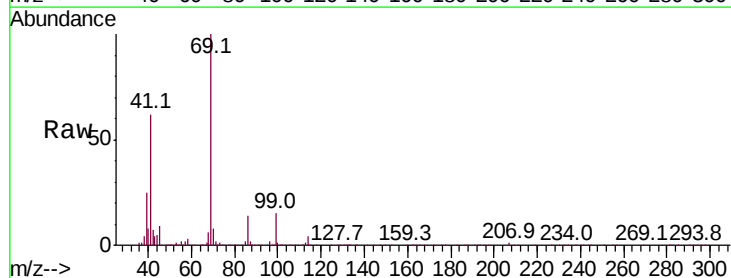
RT: 8.77 min Scan# 835

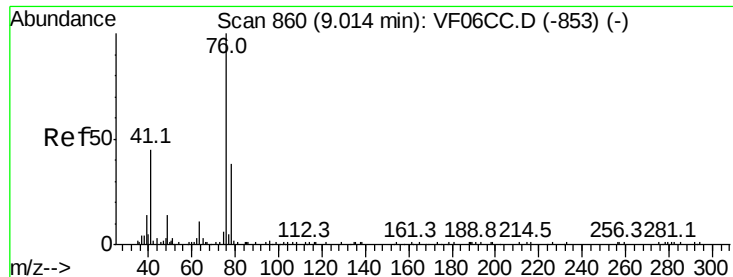
Delta R.T. -0.01 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Tgt Ion:	69	Resp:	335485
Ion Ratio	Lower	Upper	
69	100		
41	61.5	46.6	69.8
39	24.7	19.6	29.4





#57

1,3-Dichloropropane

Concen: 56.051 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

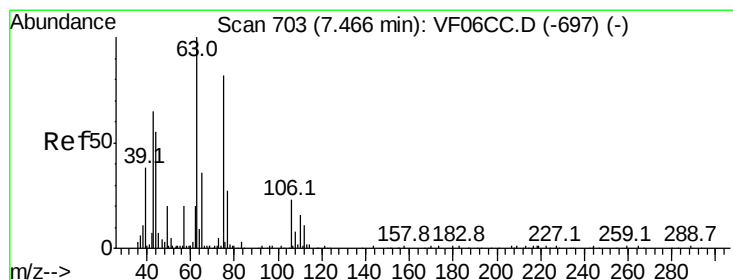
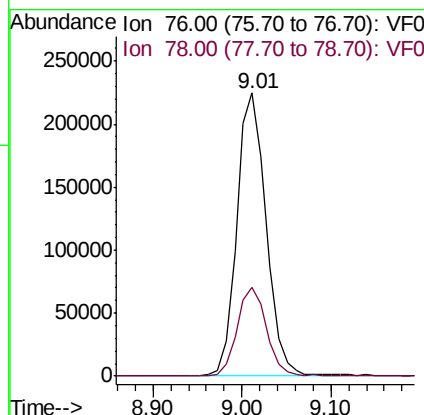
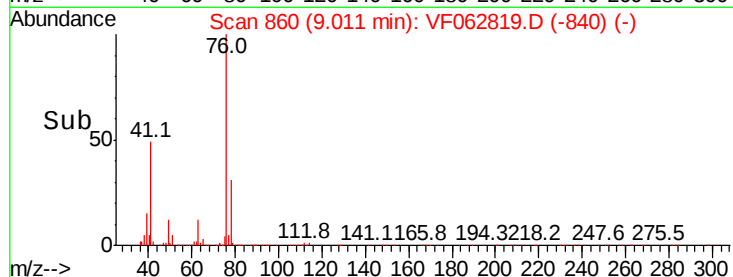
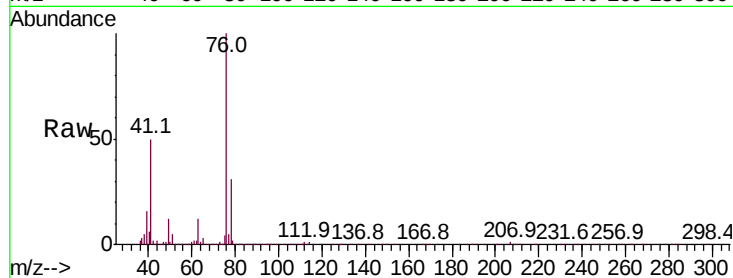
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 514684

Ion	Ratio	Lower	Upper
76	100		
78	31.5	26.8	40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 259.568 ug/l

RT: 7.46 min Scan# 703

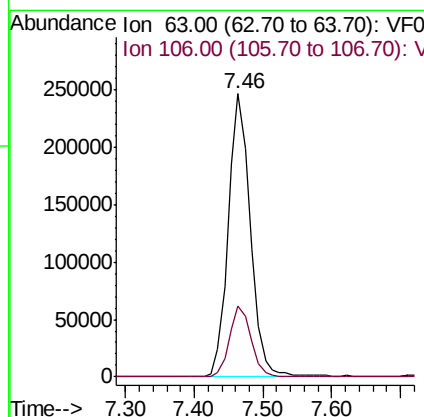
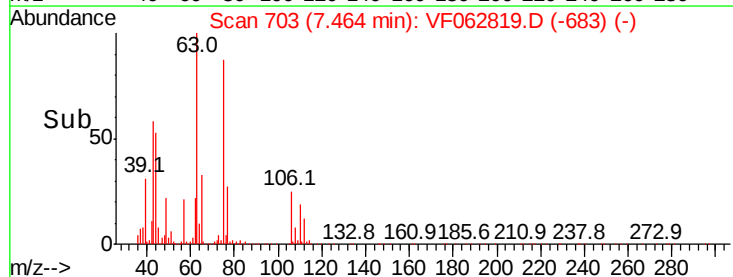
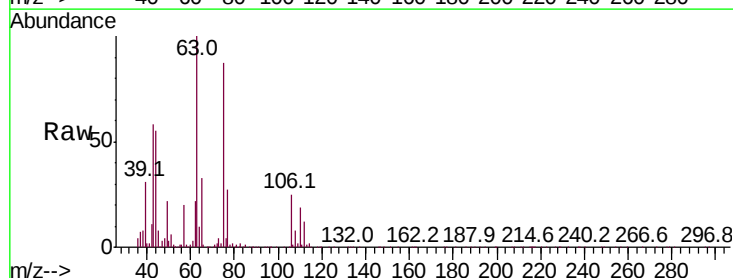
Delta R.T. -0.00 min

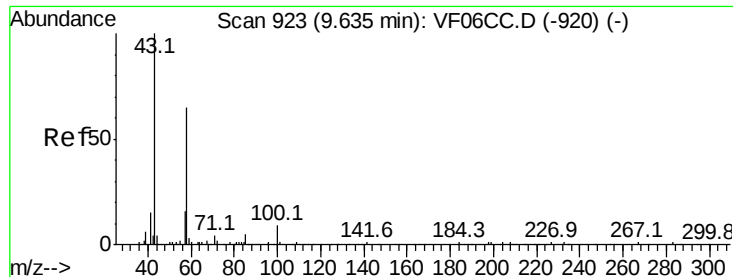
Lab File: VF062819.D

Acq: 31 May 2019 20:02

Tgt Ion: 63 Resp: 547315

Ion	Ratio	Lower	Upper
63	100		
106	25.2	19.5	29.3





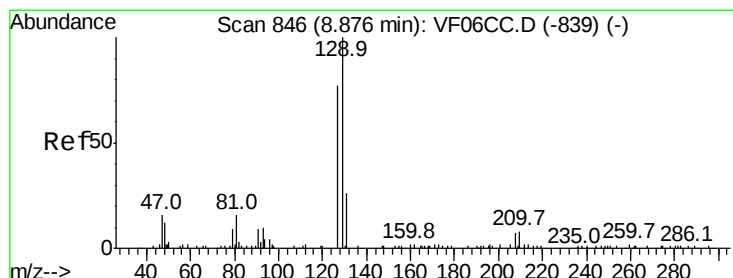
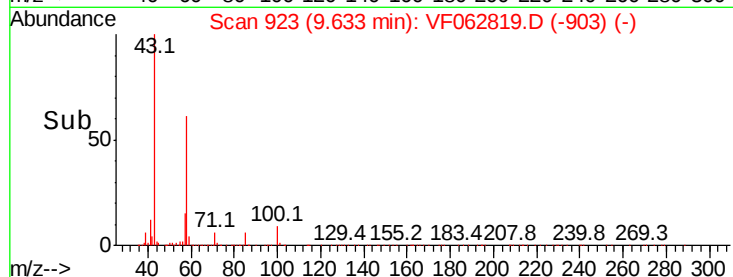
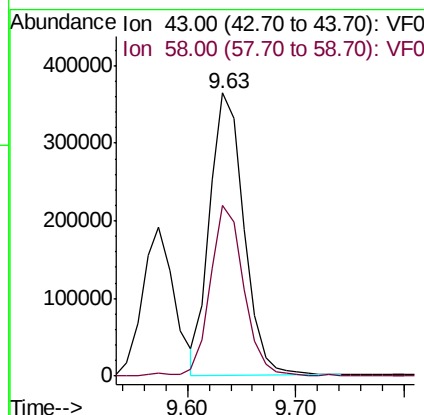
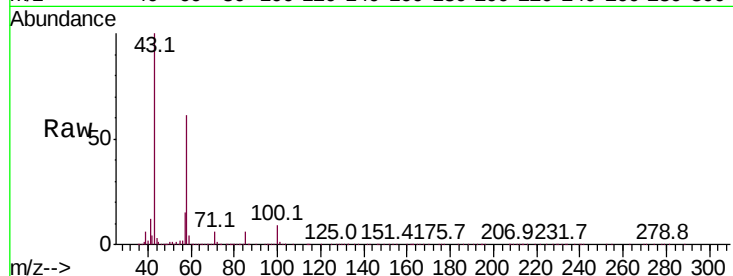
#59
2-Hexanone
Concen: 256.462 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.5	29.3	87.9

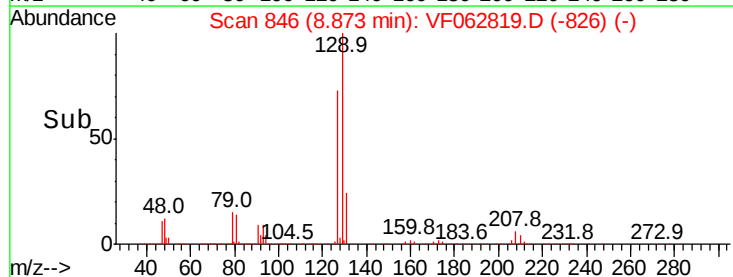
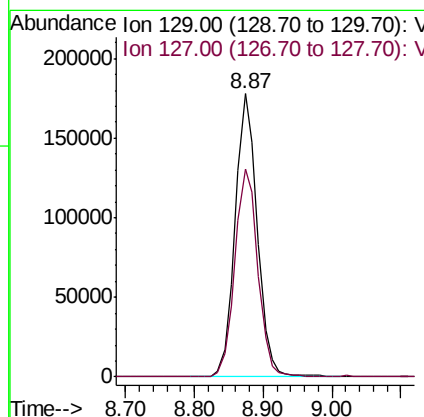
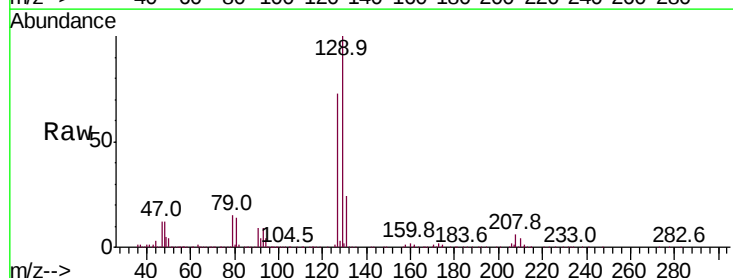
Manual Integrations
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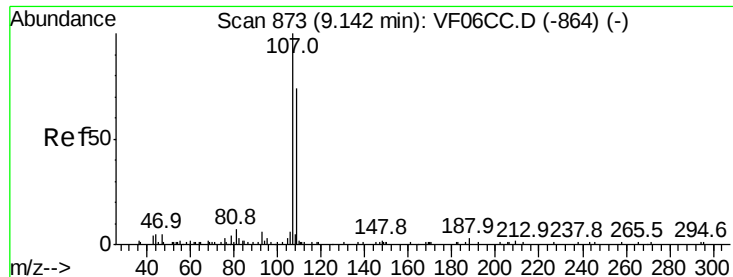
MMDadoda
6/4/2019 8:45:27 AM



#60
Dibromochloromethane
Concen: 56.937 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.4	37.1	111.3





#61

1,2-Dibromoethane

Concen: 53.055 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 309826

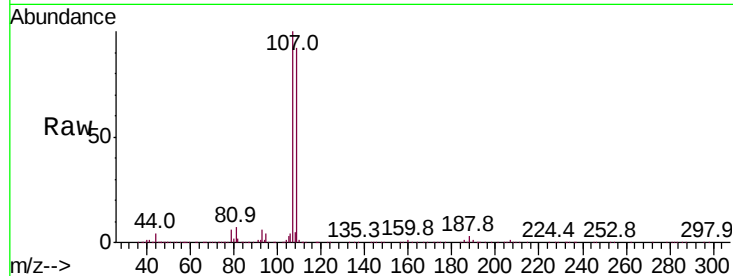
Ion Ratio Lower Upper

107 100

109 91.6 78.1 117.1

Manual Integrations
APPROVED

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

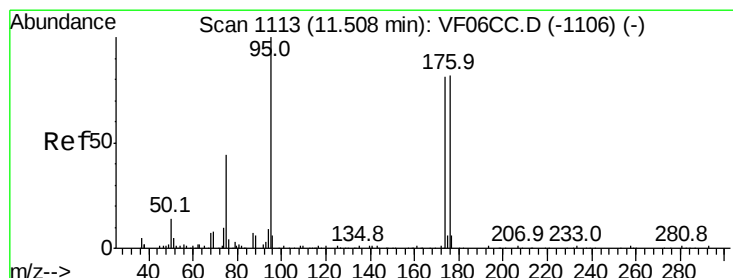
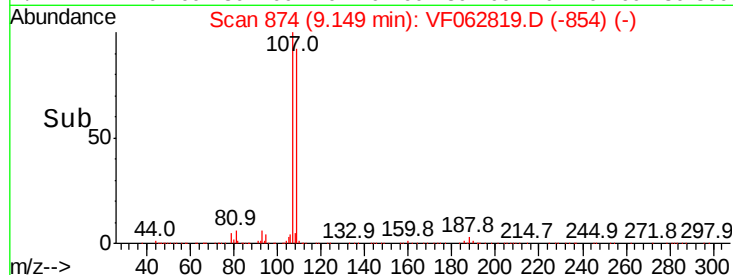
100000

50000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 56.793 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

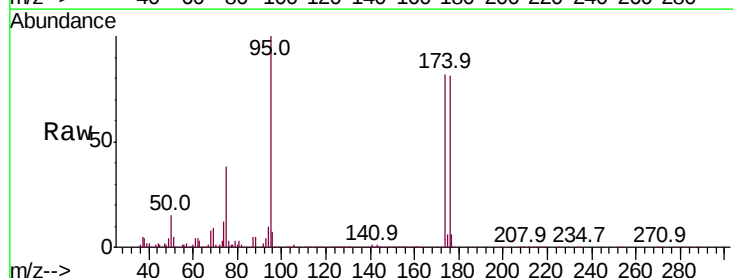
Tgt Ion: 95 Resp: 509152

Ion Ratio Lower Upper

95 100

174 81.9 0.0 170.6

176 80.8 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

400000

300000

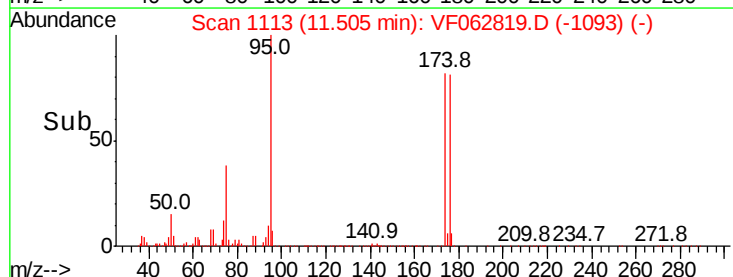
200000

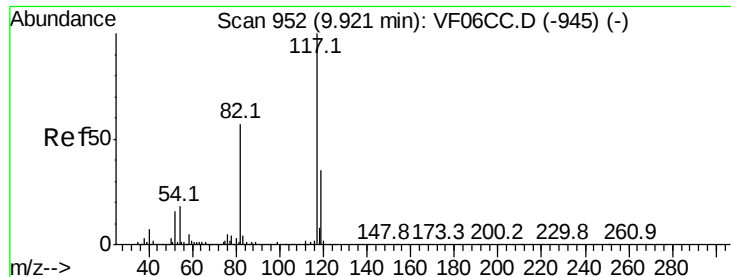
100000

0

11.40 11.50 11.60

Time-->





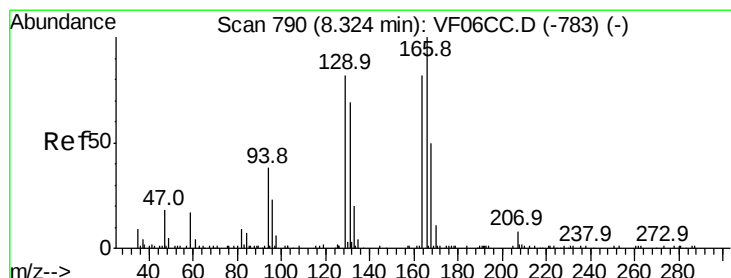
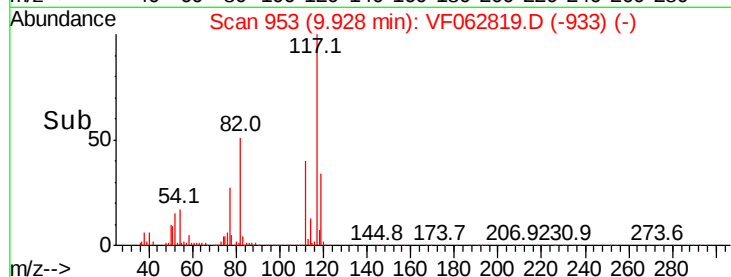
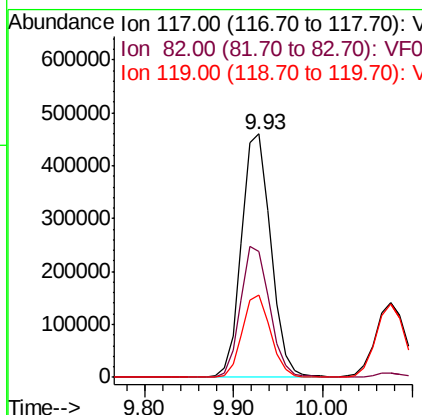
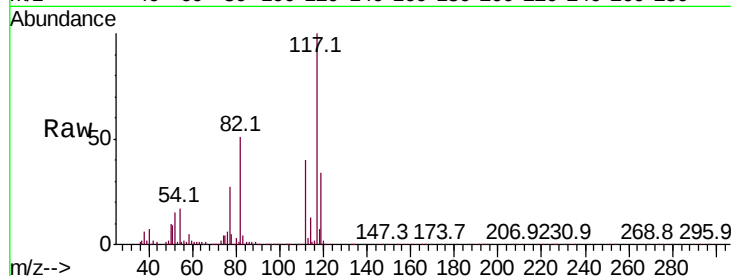
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.4	63.6
119	34.1	27.1	40.7

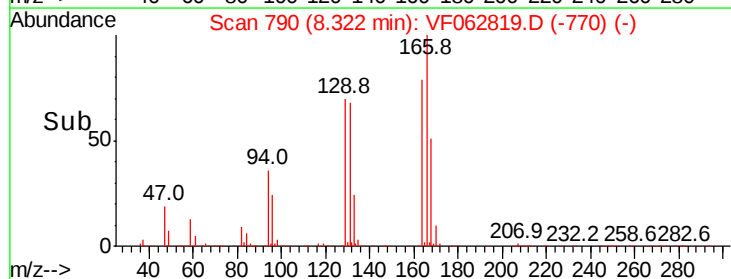
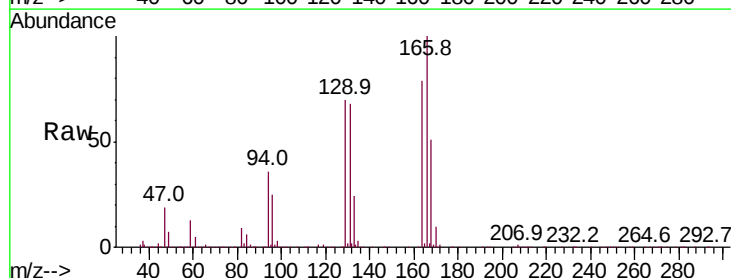
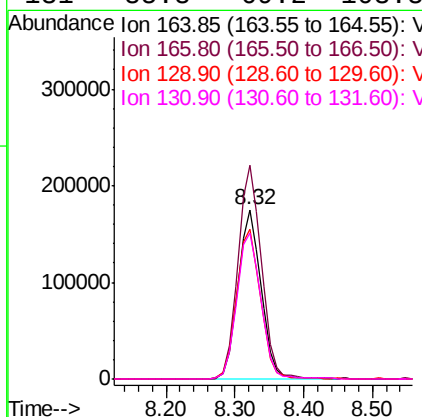
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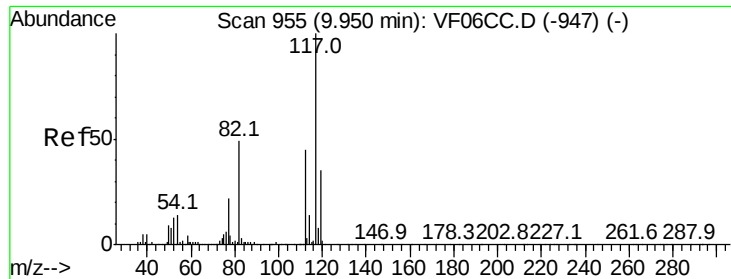
MMDadoda
6/4/2019 8:45:27 AM



#64
Tetrachloroethene
Concen: 50.603 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	99.1	148.7
129	88.5	69.5	104.3
131	85.8	69.2	103.8





#65

Chlorobenzene

Concen: 50.991 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 1032690

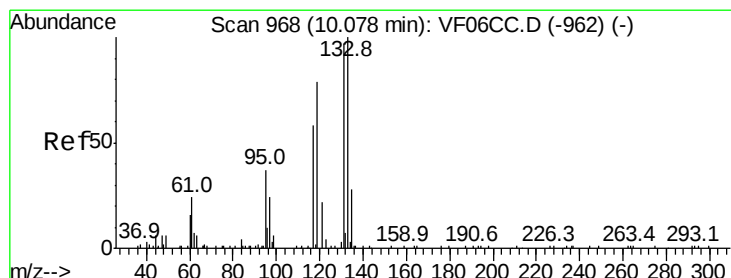
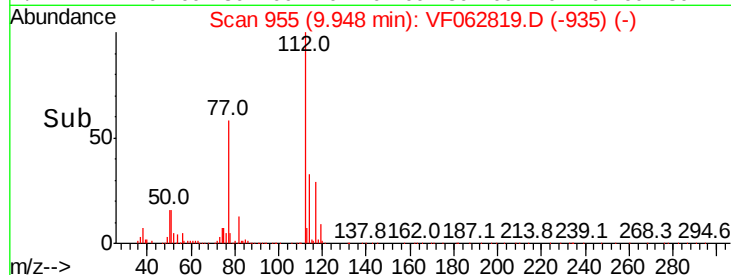
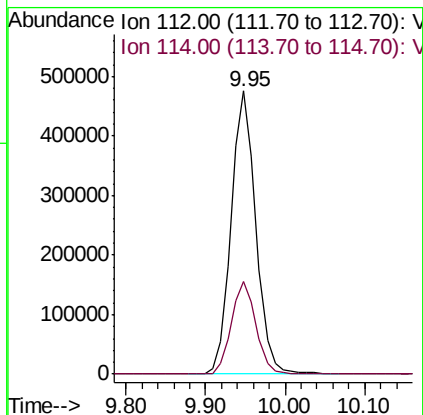
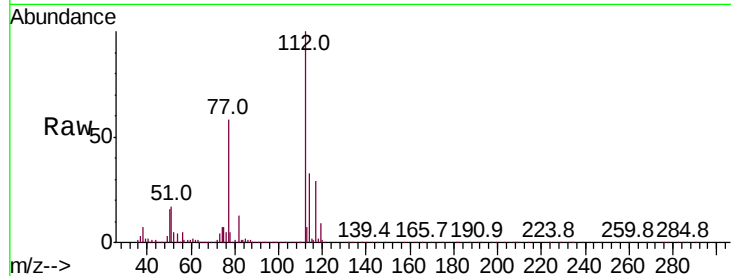
Ion Ratio Lower Upper

112 100

114 32.8 27.4 41.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 51.196 ug/l

RT: 10.08 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

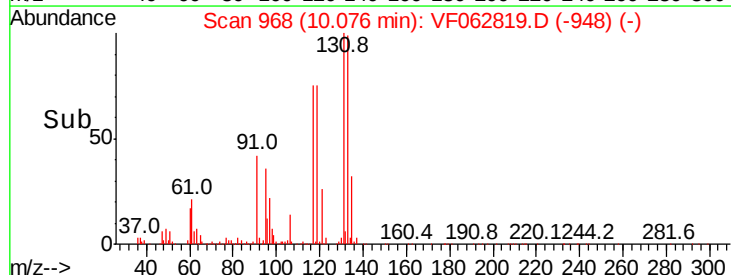
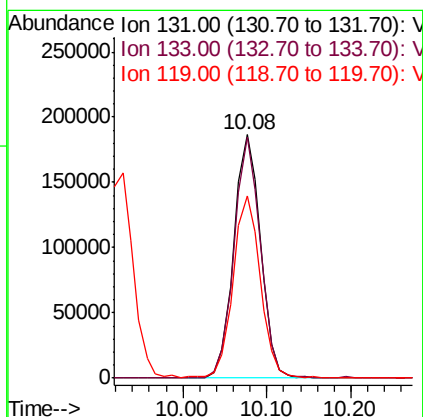
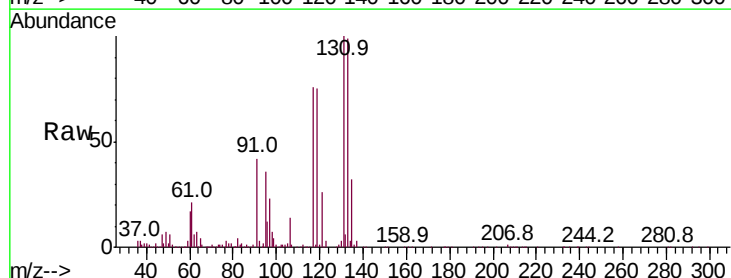
Tgt Ion:131 Resp: 412928

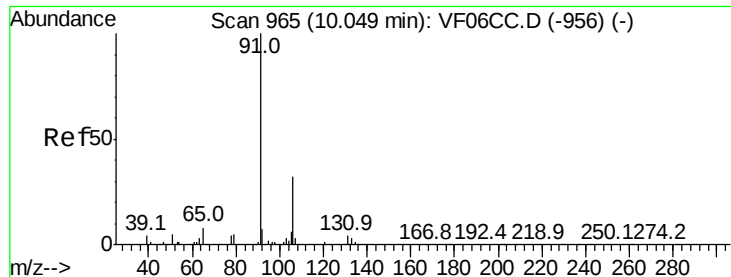
Ion Ratio Lower Upper

131 100

133 98.8 48.9 146.7

119 74.8 38.0 114.0





#67

Ethyl Benzene

Concen: 52.203 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1814248

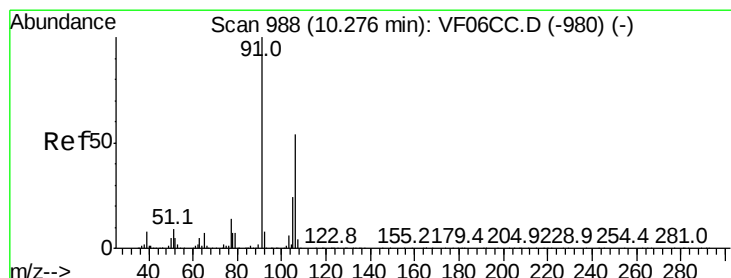
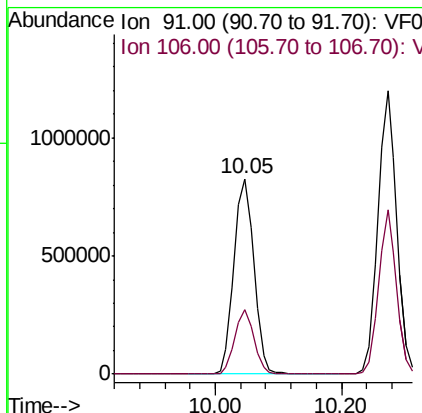
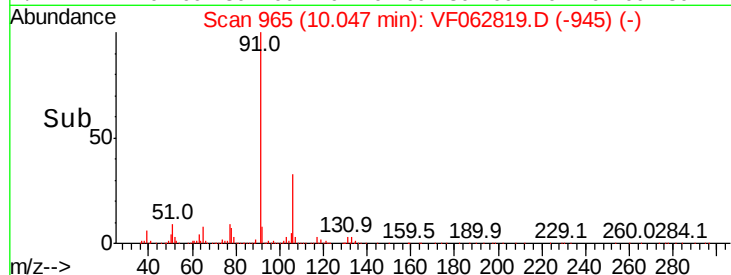
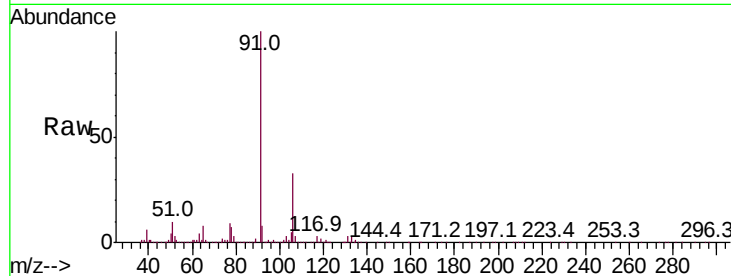
Ion Ratio Lower Upper

91 100

106 33.2 26.0 39.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 105.155 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062819.D

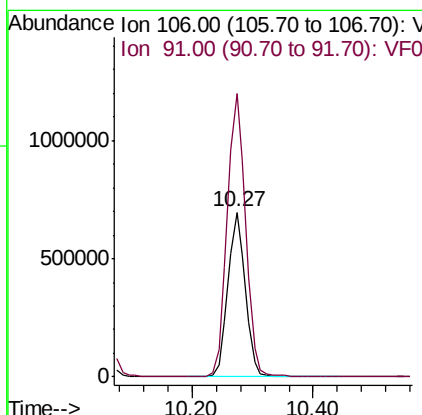
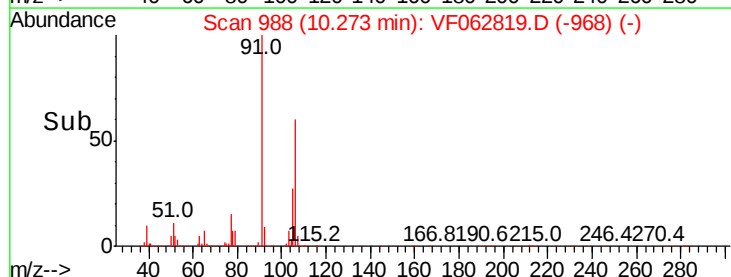
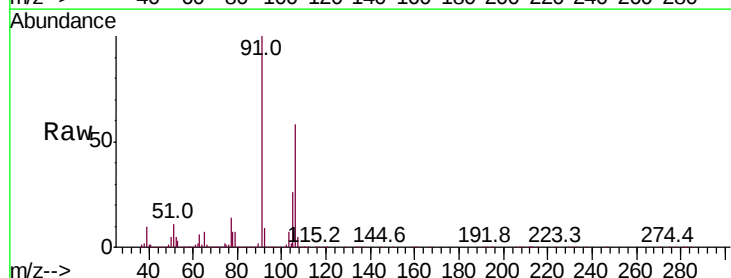
Acq: 31 May 2019 20:02

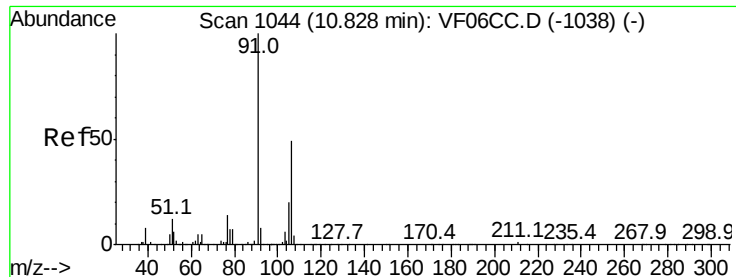
Tgt Ion: 106 Resp: 1398458

Ion Ratio Lower Upper

106 100

91 172.2 136.2 204.4





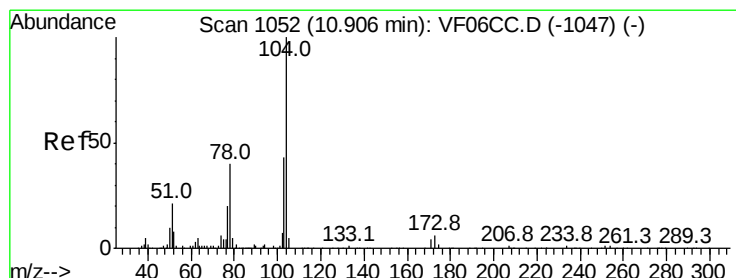
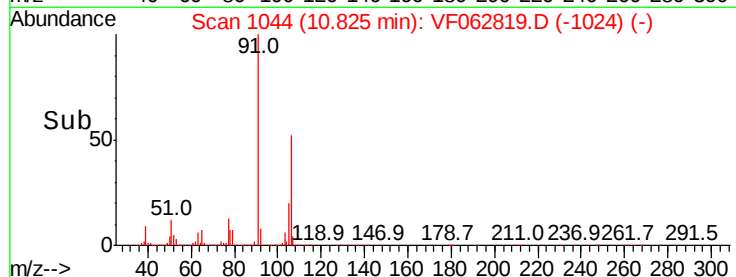
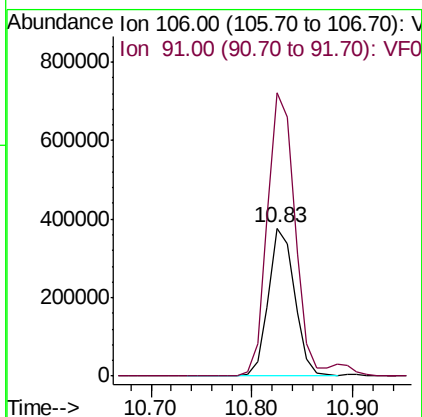
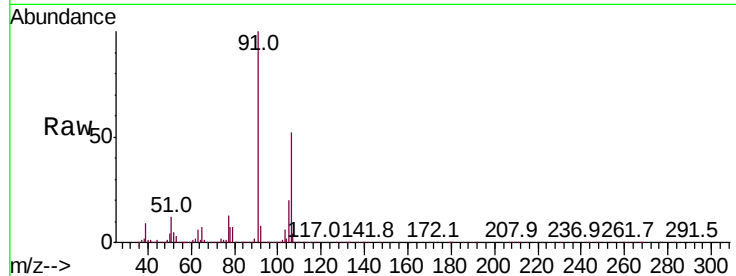
#69
o-Xylene
Concen: 50.291 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	191.3	96.6	289.8

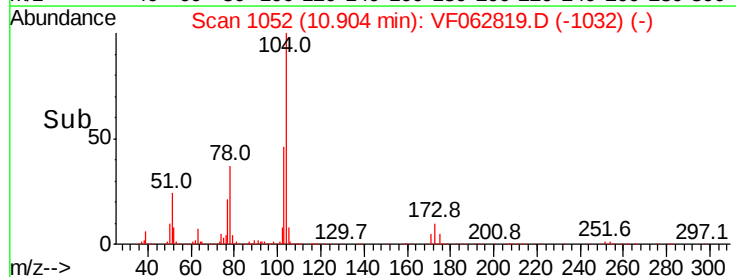
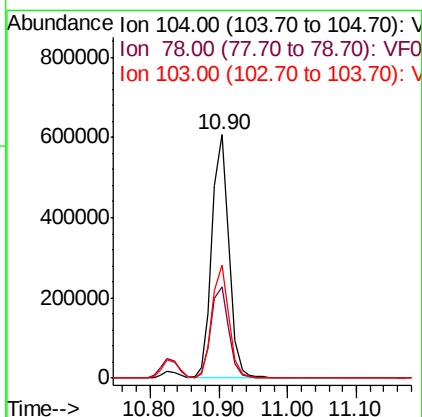
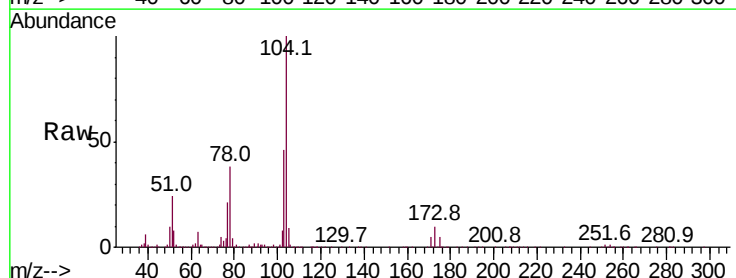
Manual Integrations
APPROVED

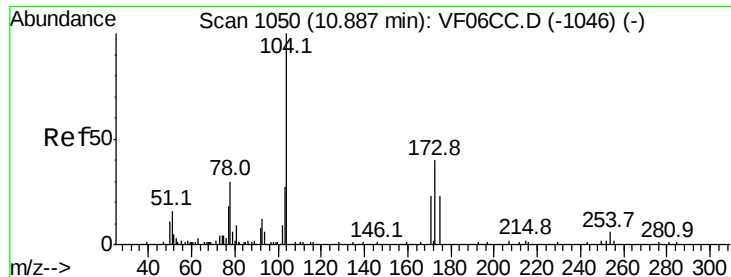
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#70
Styrene
Concen: 52.480 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	37.5	30.8	46.2
103	46.2	35.8	53.6





#71

Bromoform

Concen: 54.700 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 211646

Ion Ratio Lower Upper

173 100

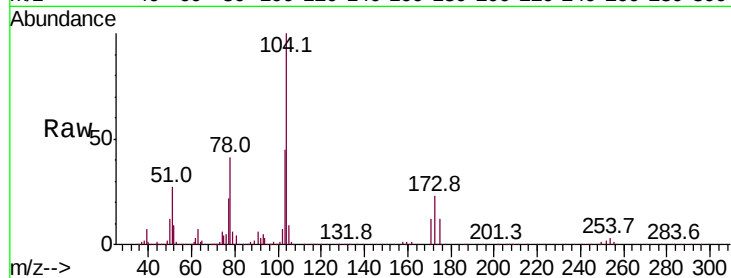
175 49.6 24.6 74.0

254 0.0 0.1 0.1#

Manual Integrations
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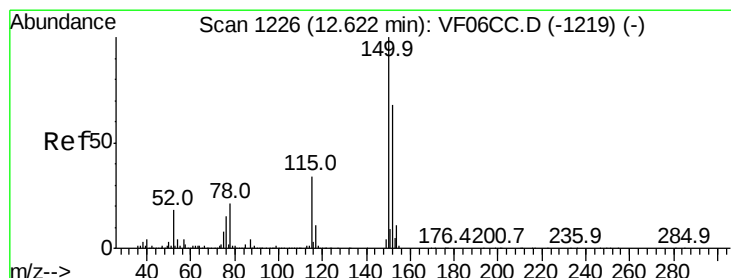
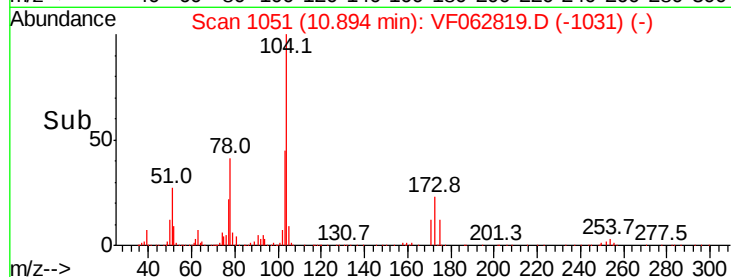
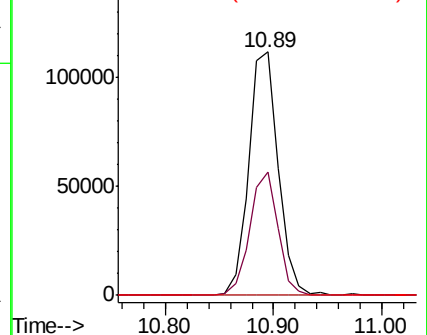
6/4/2019 8:45:27 AM



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: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Tgt Ion:152 Resp: 533840

Ion Ratio Lower Upper

152 100

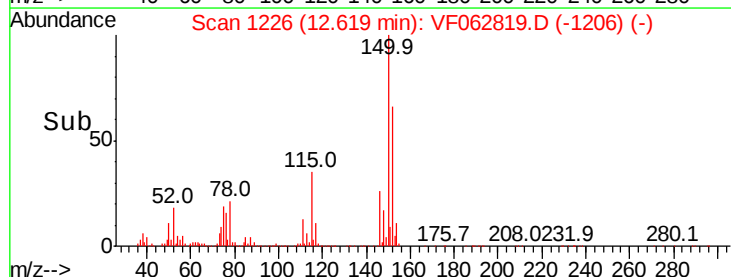
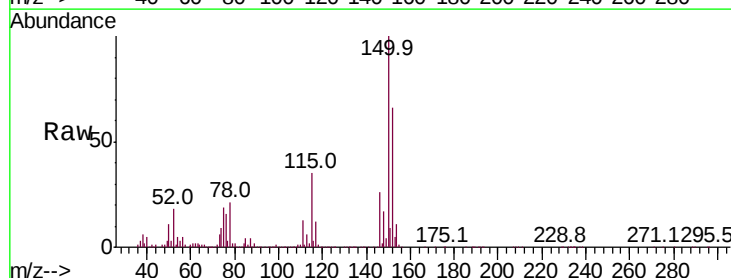
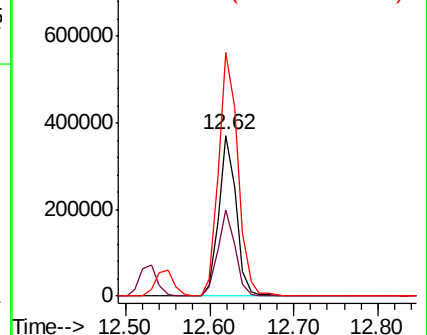
115 53.3 24.6 74.0

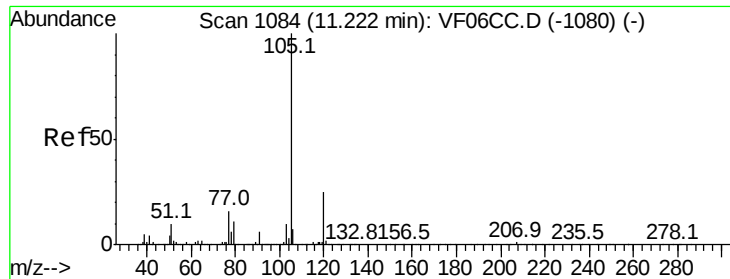
150 151.2 0.0 290.6

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: 47.970 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1786832

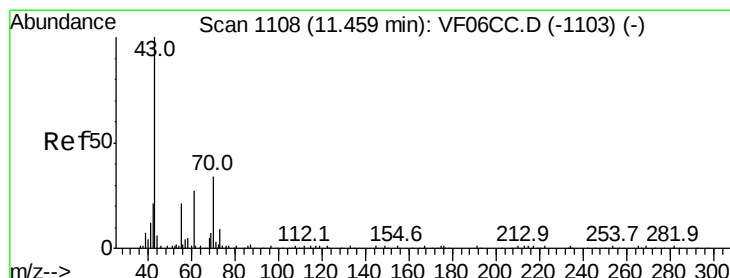
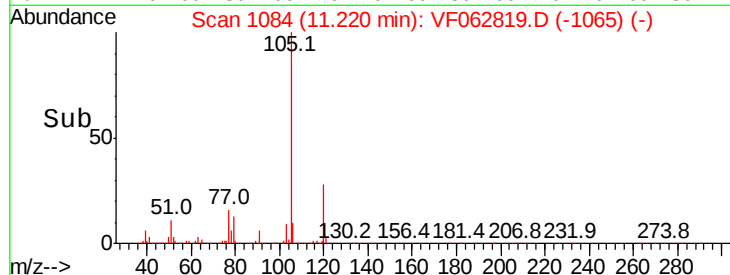
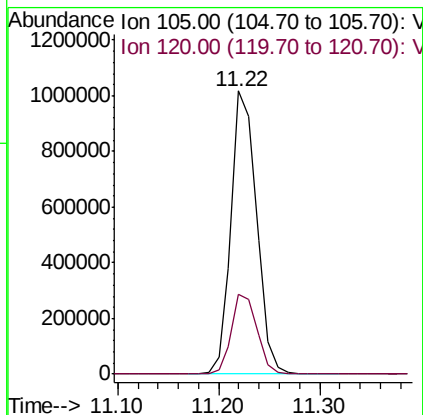
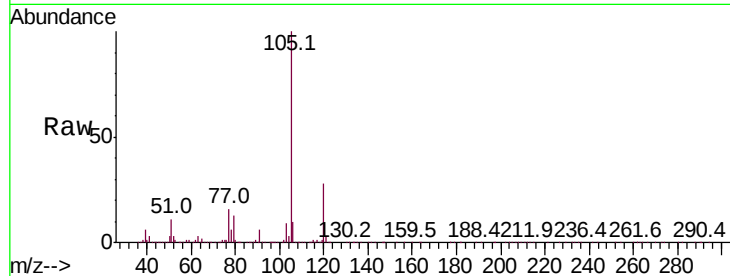
Ion Ratio Lower Upper

105 100

120 28.4 15.1 45.3

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#74

N-ethyl acetate

Concen: 45.395 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Tgt Ion: 43 Resp: 476577

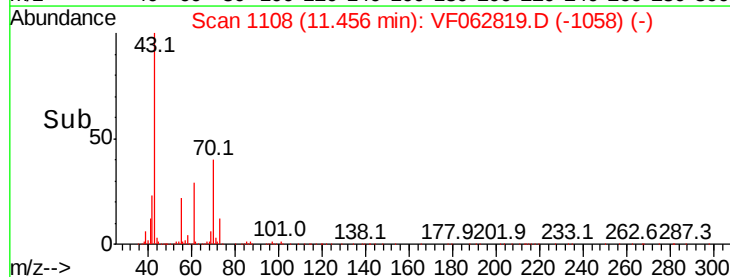
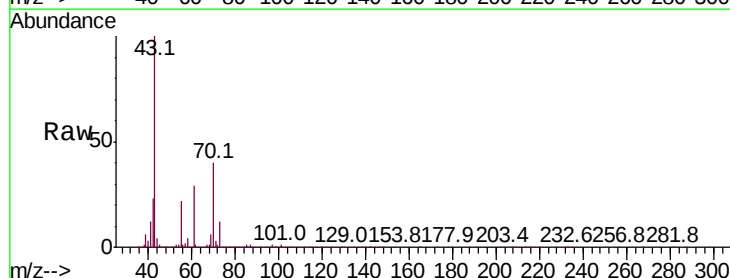
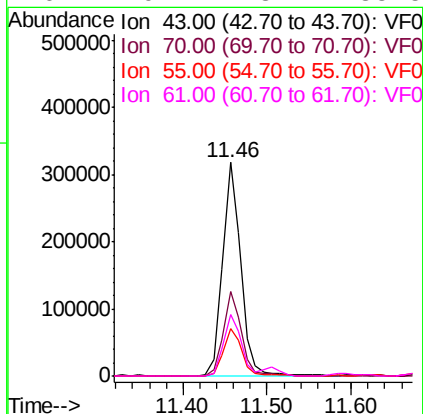
Ion Ratio Lower Upper

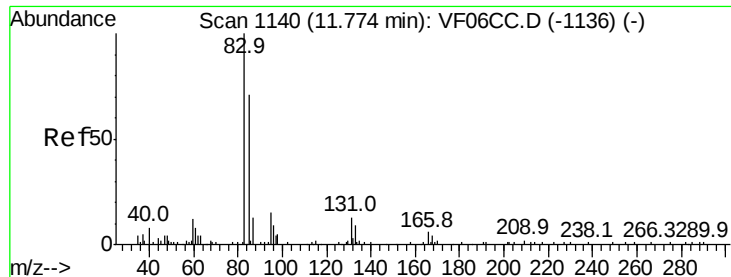
43 100

70 39.7 32.9 49.3

55 22.2 17.3 25.9

61 29.1 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.235 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

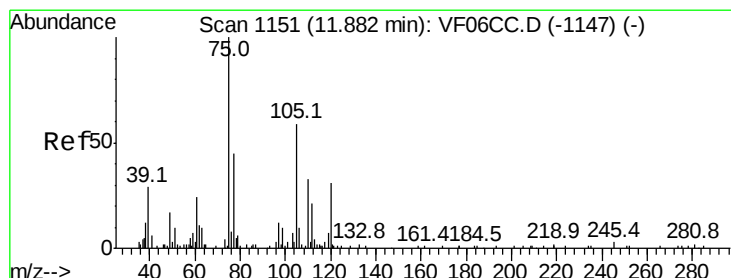
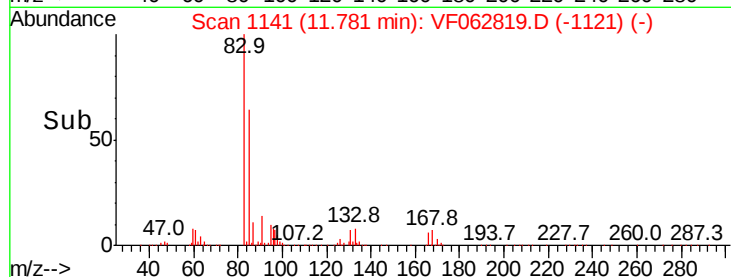
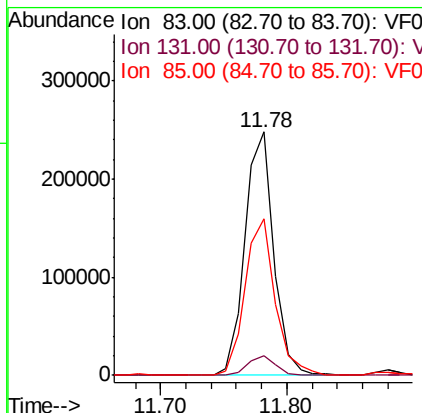
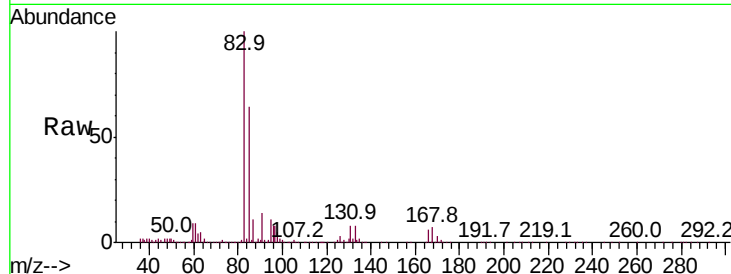
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	391648
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.9	14.7
85	64.4	32.1	96.5

Manual Integrations
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6/4/2019 8:45:27 AM



#76

1,2,3-Trichloropropane

Concen: 47.557 ug/l

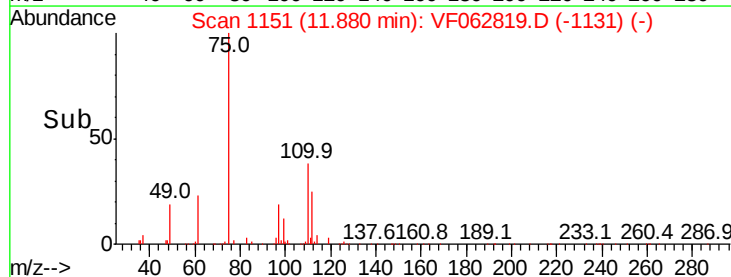
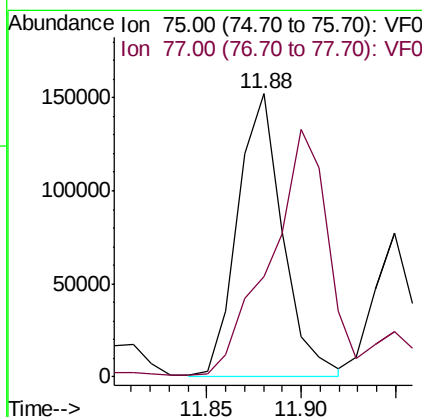
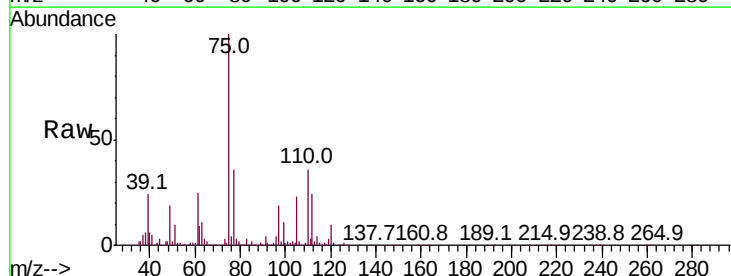
RT: 11.88 min Scan# 1151

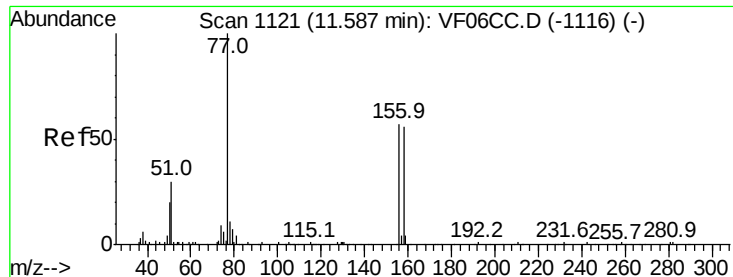
Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Tgt Ion:	75	Resp:	250760
Ion Ratio	Lower	Upper	
75	100		
77	35.7	20.1	60.2





#77

Bromobenzene

Concen: 48.089 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

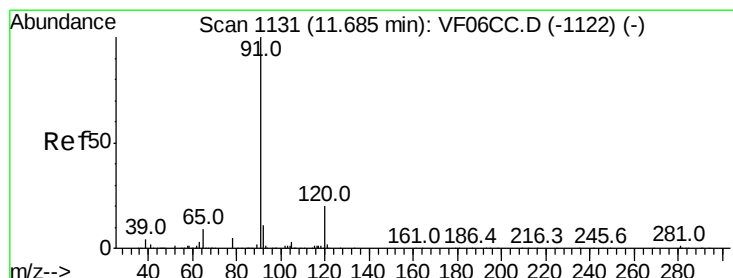
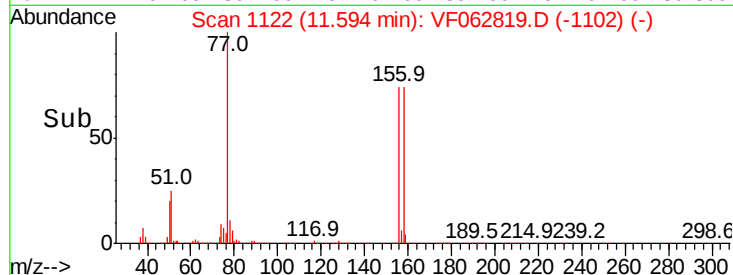
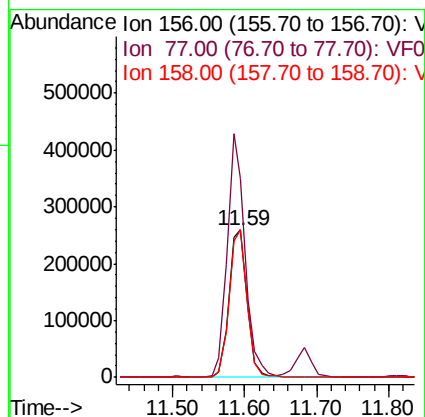
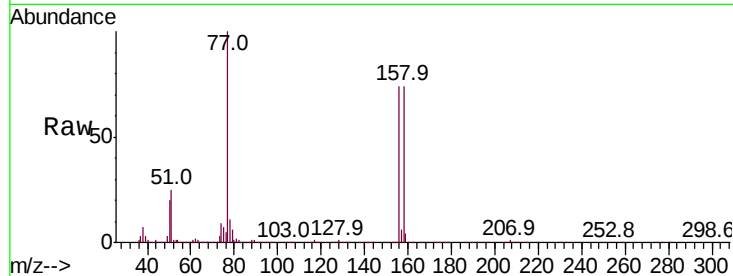
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	450072
Ion Ratio	Lower	Upper	
156	100		
77	135.2	64.2	192.6
158	99.9	50.3	151.0

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#78

n-propylbenzene

Concen: 46.463 ug/l

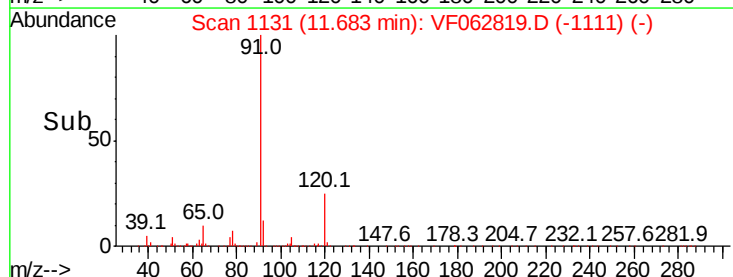
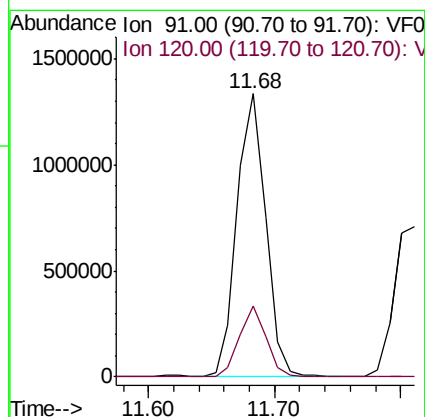
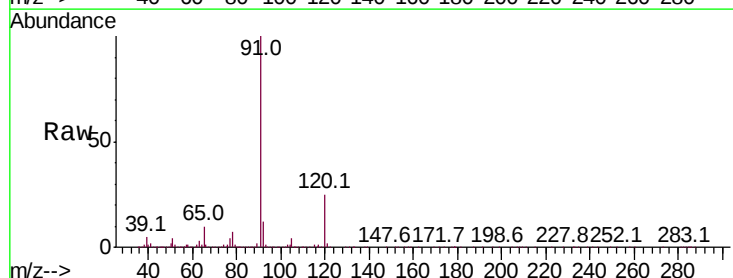
RT: 11.68 min Scan# 1131

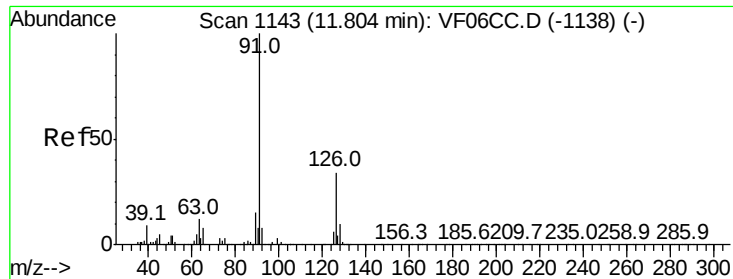
Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Tgt Ion:	91	Resp:	2089731
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.8	38.4





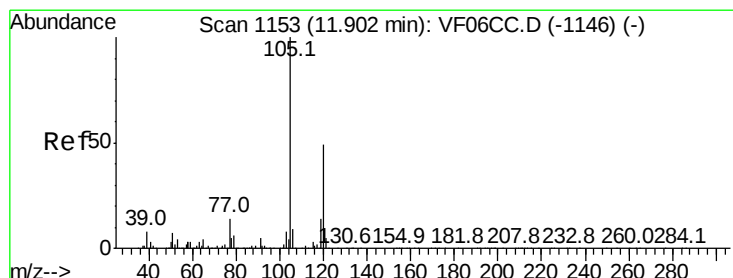
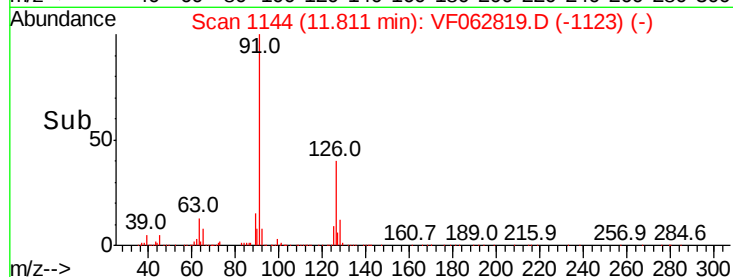
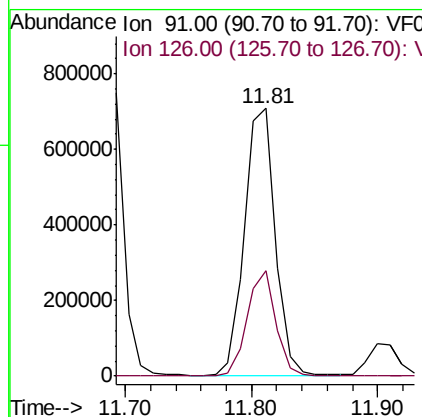
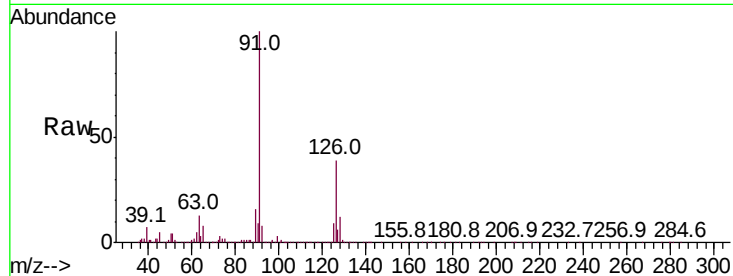
#79
 2-Chlorotoluene
 Concen: 46.240 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF062819.D
 Acq: 31 May 2019 20:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1189984
 Ion Ratio Lower Upper
 91 100
 126 39.4 17.8 53.3

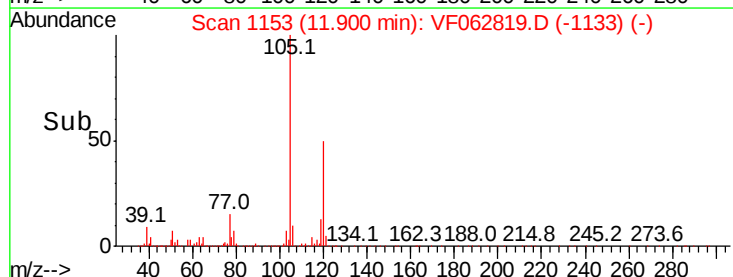
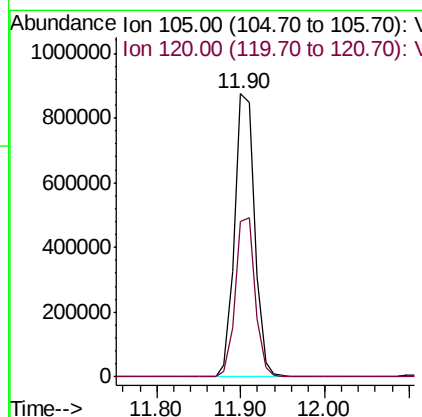
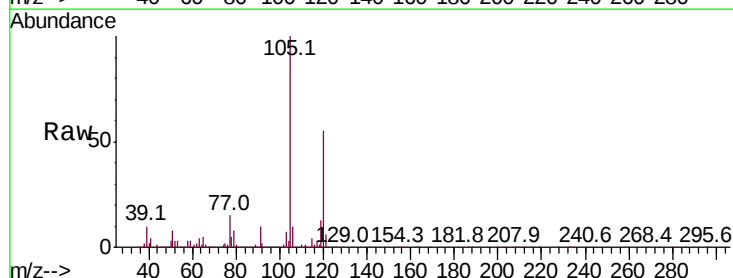
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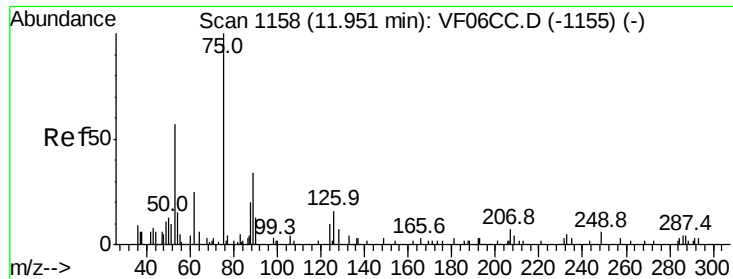
MMDadoda
 6/4/2019 8:45:27 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 47.820 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF062819.D
 Acq: 31 May 2019 20:02

Tgt Ion: 105 Resp: 1456708
 Ion Ratio Lower Upper
 105 100
 120 54.9 28.7 86.1





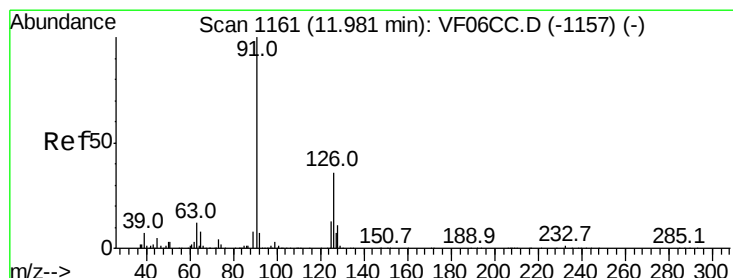
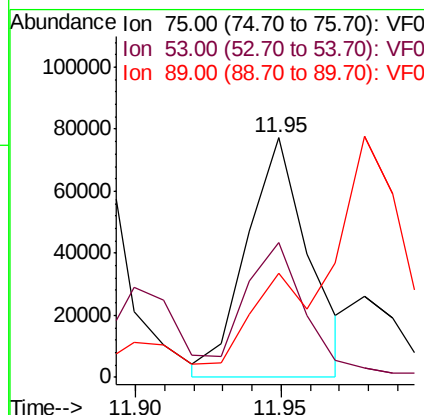
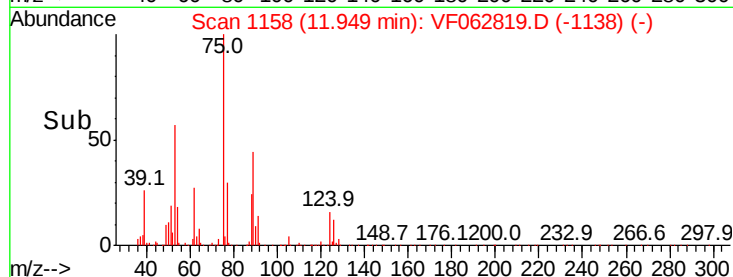
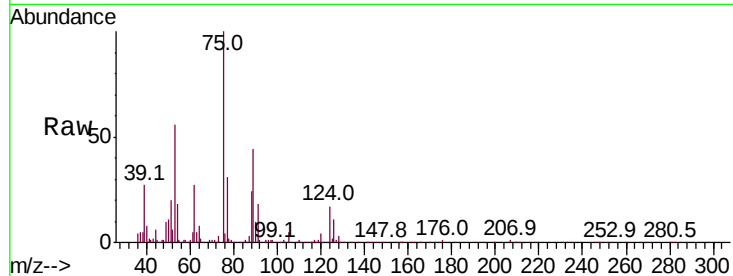
#81
trans-1,4-Dichloro-2-butene
Concen: 51.583 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	56.5	43.5	65.3
89	43.5	34.3	51.5

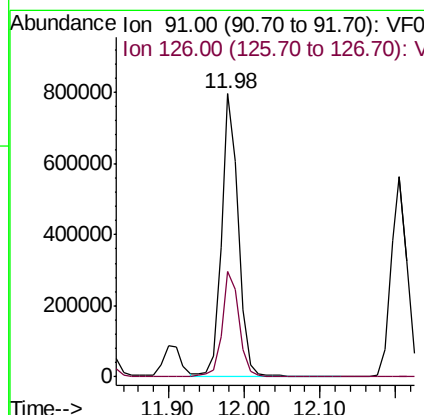
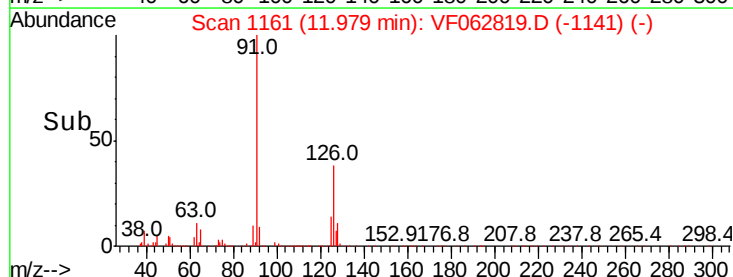
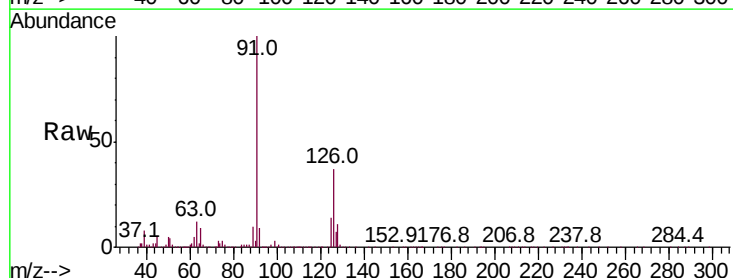
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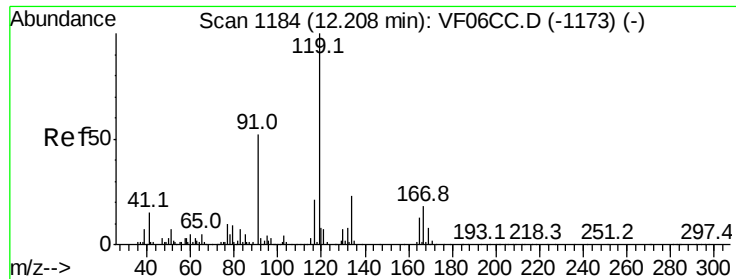
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#82
4-Chlorotoluene
Concen: 48.792 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.2	19.1	57.1





#83

tert-Butylbenzene

Concen: 51.054 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

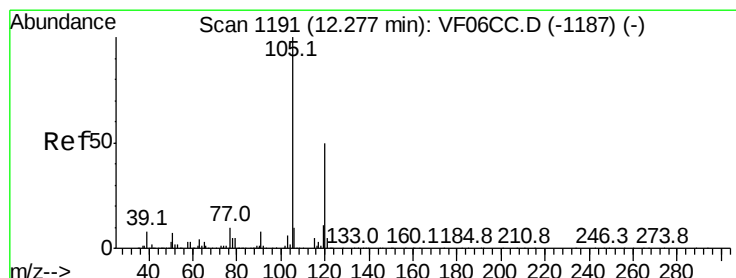
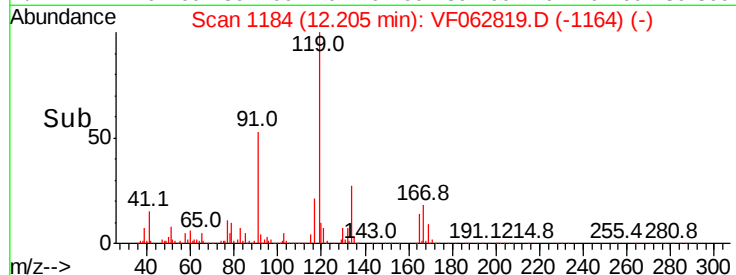
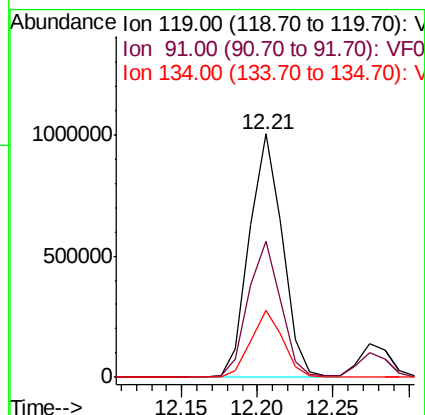
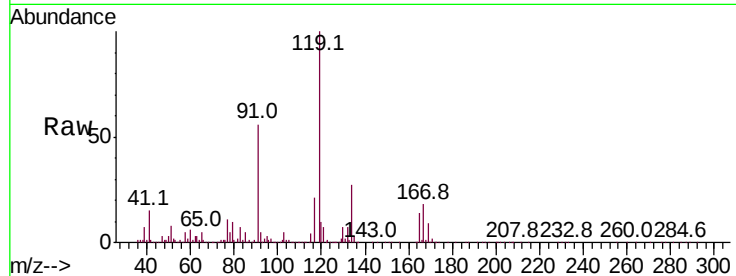
ClientSampleId :

VSTDCCC050EC

Tot Ion:119	Resp: 1541017
Ion Ratio	Lower Upper
119 100	
91 56.1	28.9 86.7
134 27.3	14.3 42.9

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#84

1,2,4-Trimethylbenzene

Concen: 51.543 ug/l

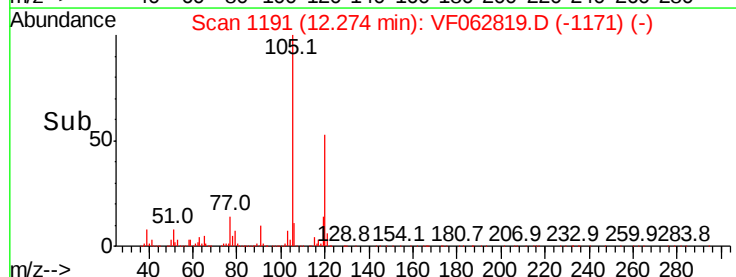
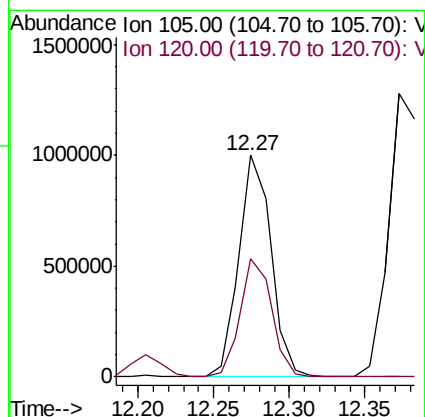
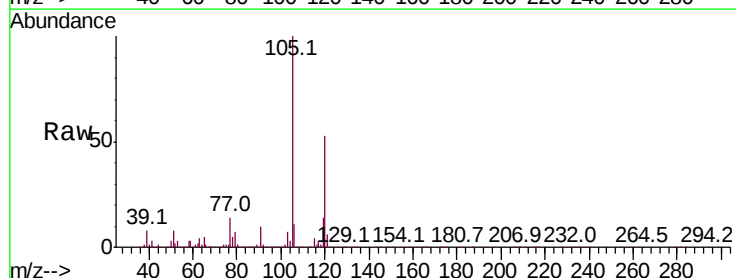
RT: 12.27 min Scan# 1191

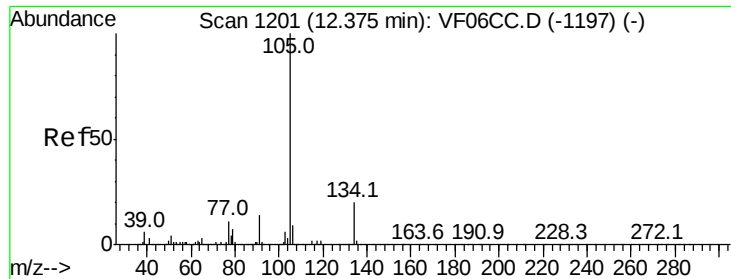
Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Tgt Ion:105	Resp: 1488664
Ion Ratio	Lower Upper
105 100	
120 53.3	27.1 81.3





#85

sec-Butylbenzene

Concen: 50.822 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2021361

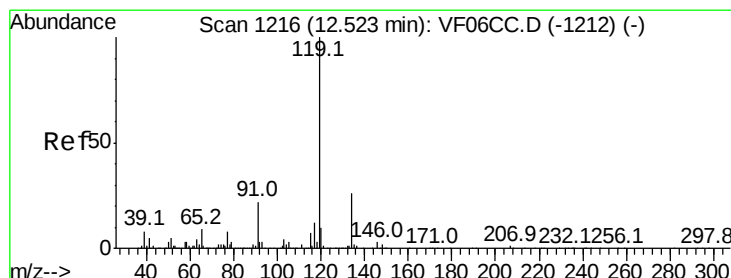
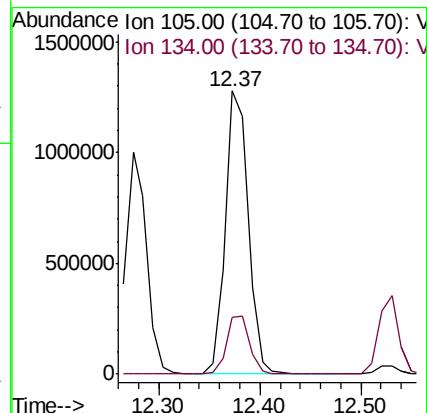
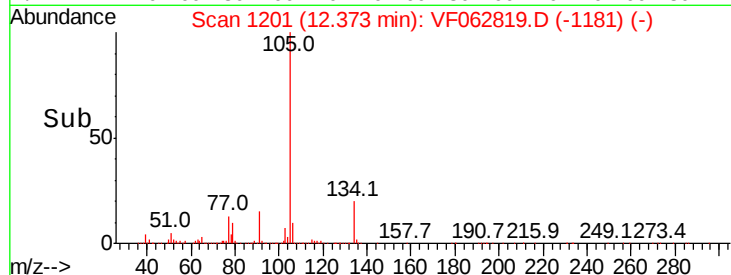
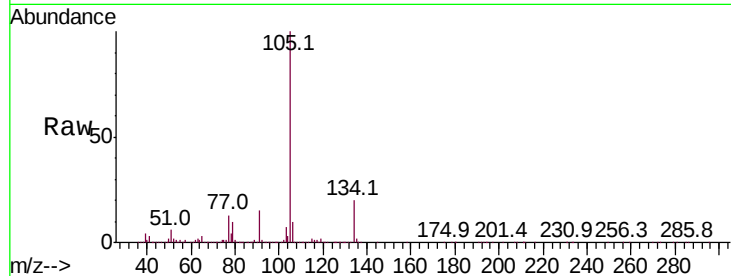
Ion Ratio Lower Upper

105 100

134 20.1 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 51.764 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

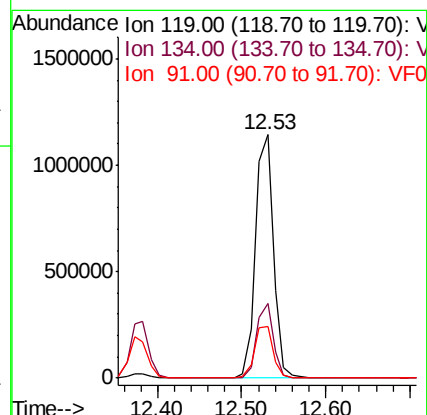
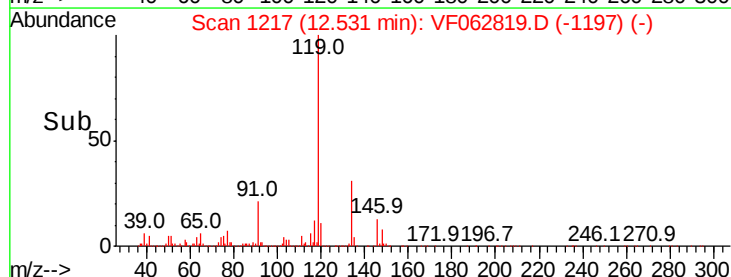
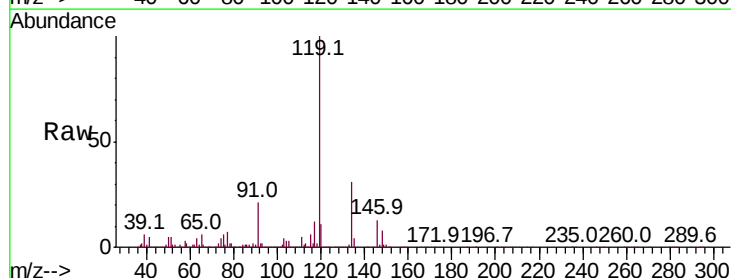
Tgt Ion:119 Resp: 1713682

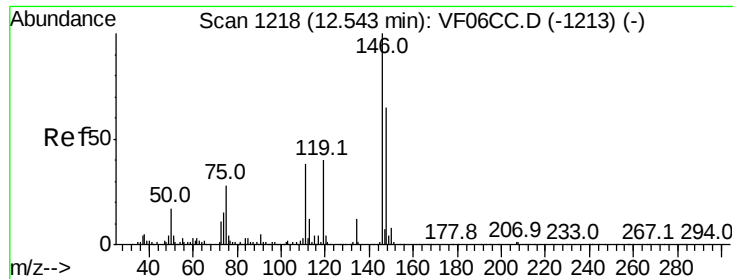
Ion Ratio Lower Upper

119 100

134 30.9 15.5 46.5

91 21.2 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 51.144 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF062819.D

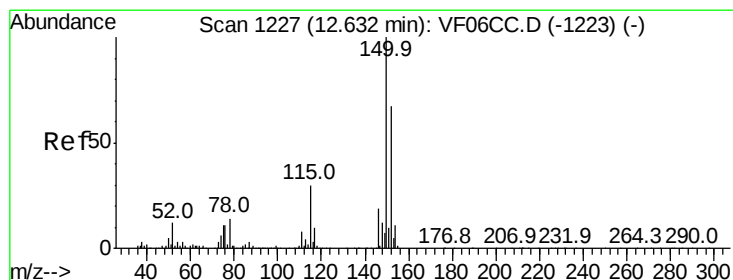
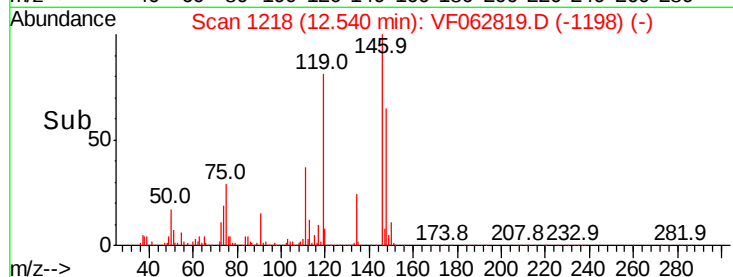
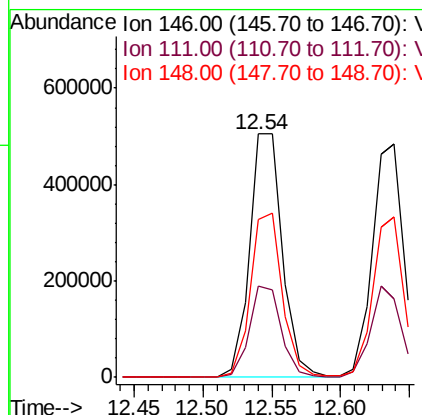
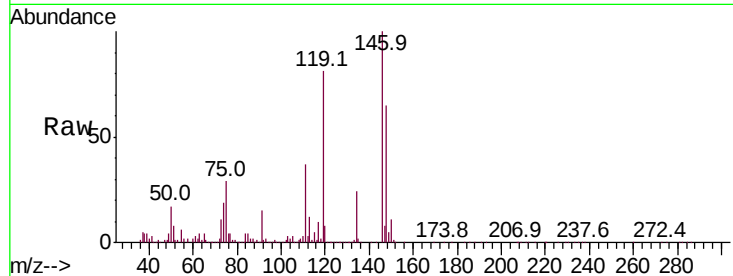
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.6	58.8
148	65.1	34.2	102.5

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#88

1,4-Dichlorobenzene

Concen: 50.717 ug/l

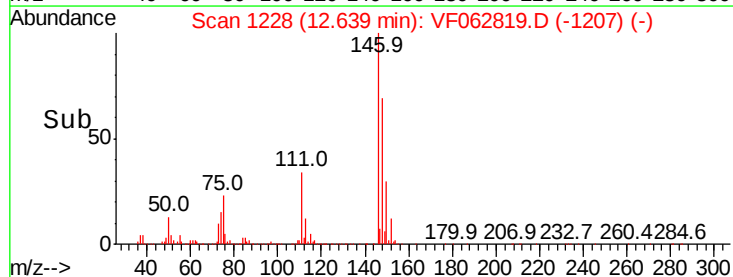
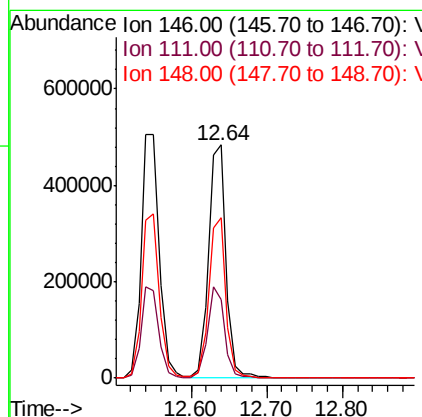
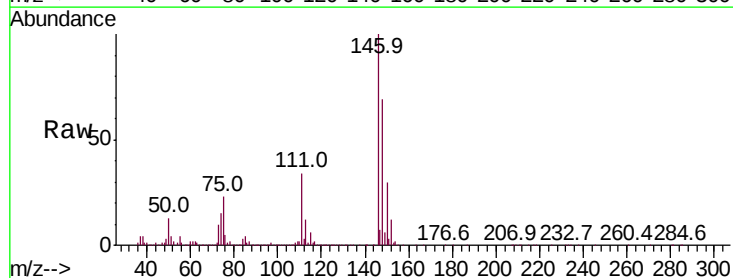
RT: 12.64 min Scan# 1228

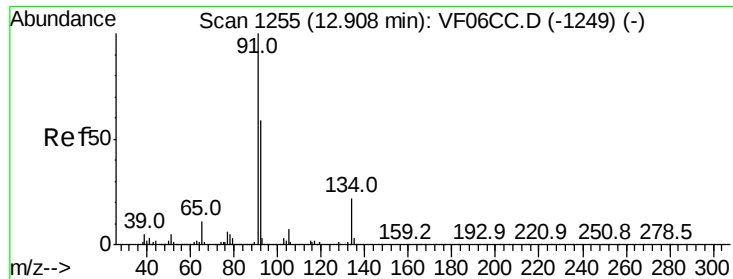
Delta R.T. 0.01 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	20.3	60.9
148	68.6	34.0	101.8





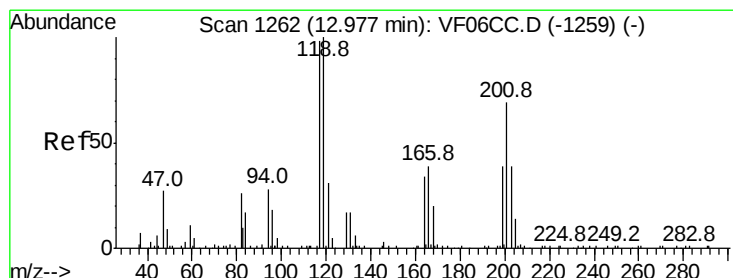
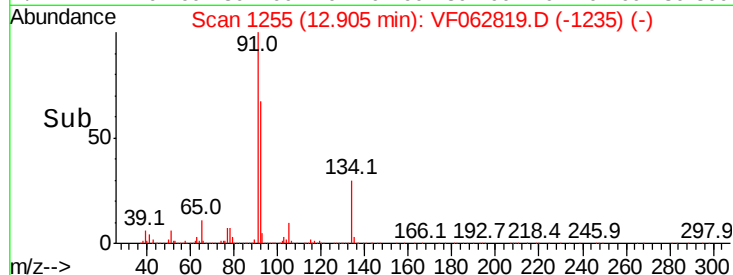
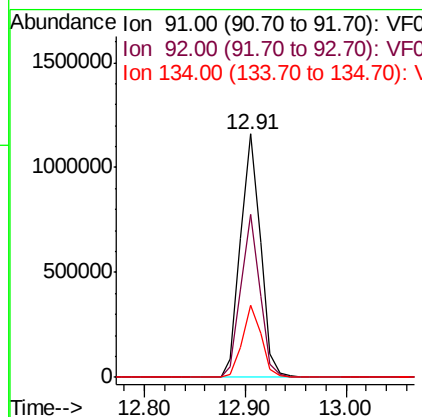
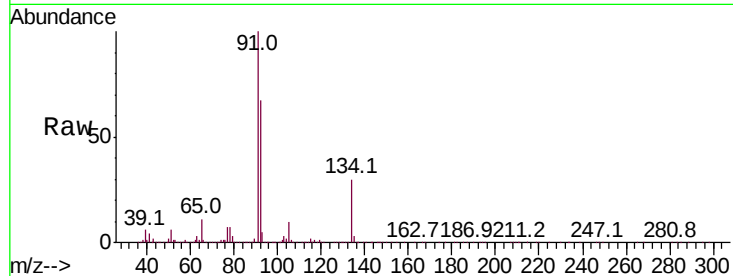
#89
n-Butylbenzene
Concen: 47.925 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	67.1	34.2	102.6
134	29.7	15.8	47.3

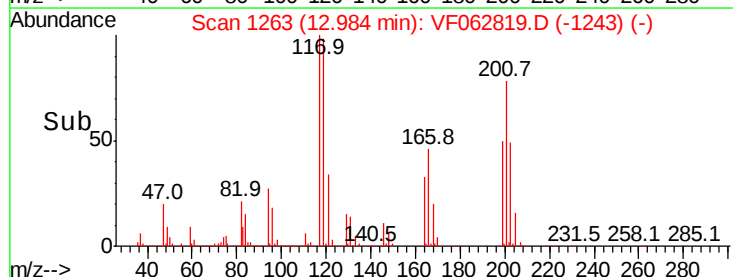
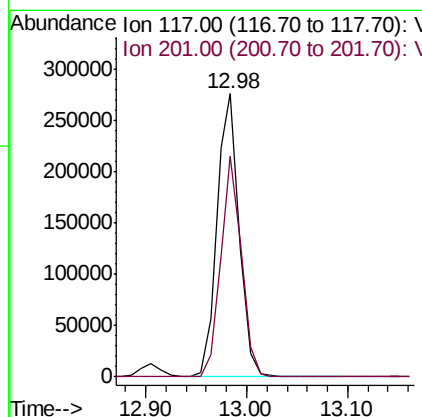
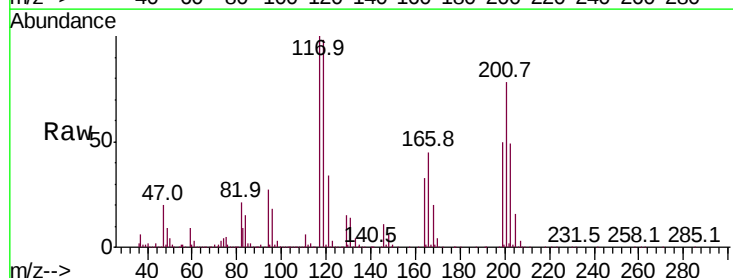
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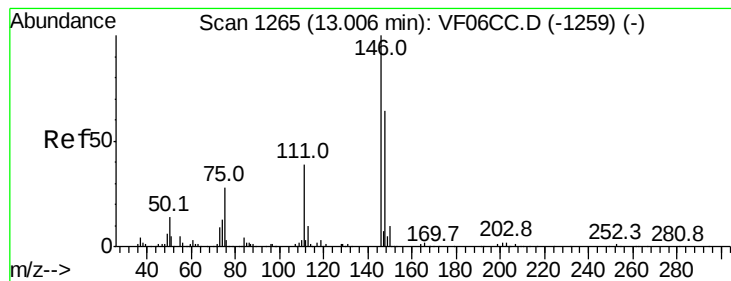
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#90
Hexachloroethane
Concen: 52.421 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	38.9	116.7





#91

1,2-Dichlorobenzene

Concen: 50.958 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Instrument :

MSVOA_F

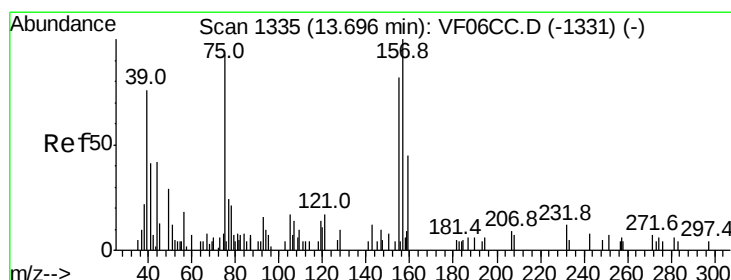
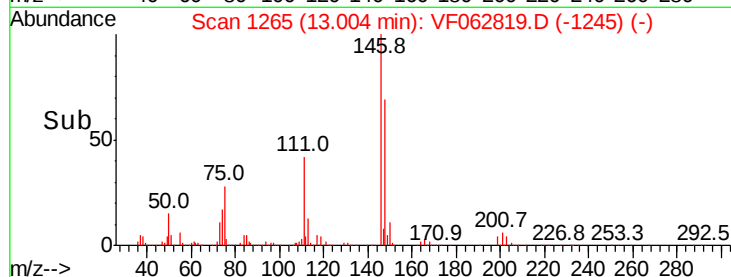
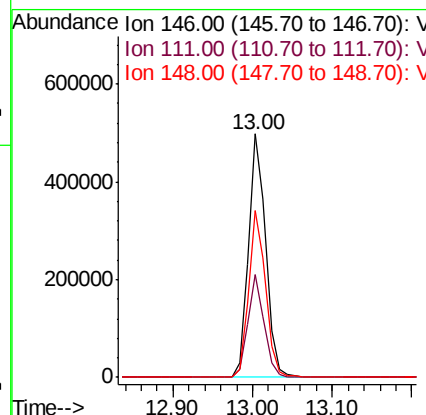
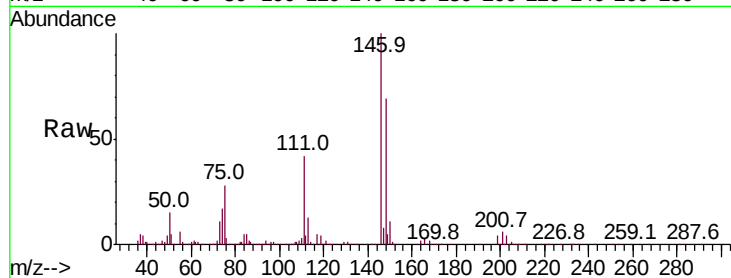
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	739298
Ion Ratio	Lower	Upper	
146	100		
111	42.4	20.4	61.3
148	68.5	34.1	102.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.797 ug/l

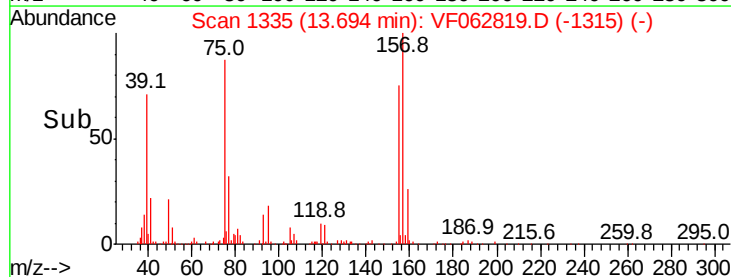
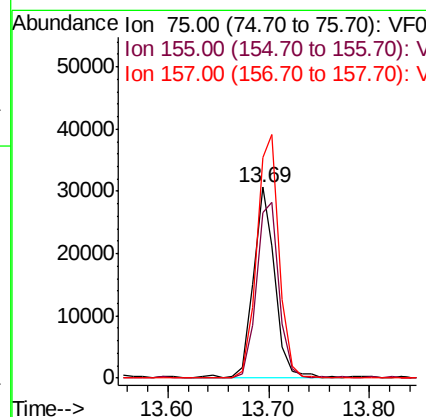
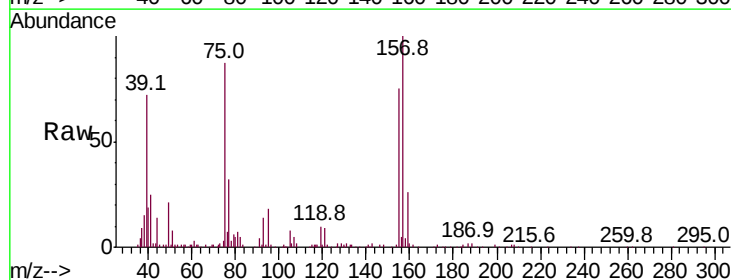
RT: 13.69 min Scan# 1335

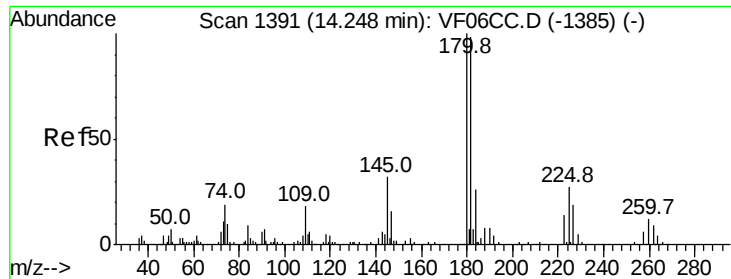
Delta R.T. -0.00 min

Lab File: VF062819.D

Acq: 31 May 2019 20:02

Tgt Ion:	75	Resp:	45756
Ion Ratio	Lower	Upper	
75	100		
155	86.5	51.7	155.1
157	115.4	66.8	200.6





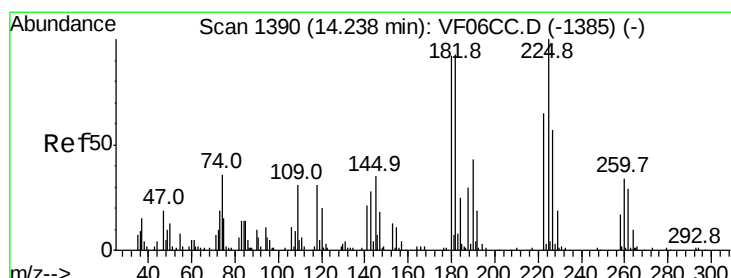
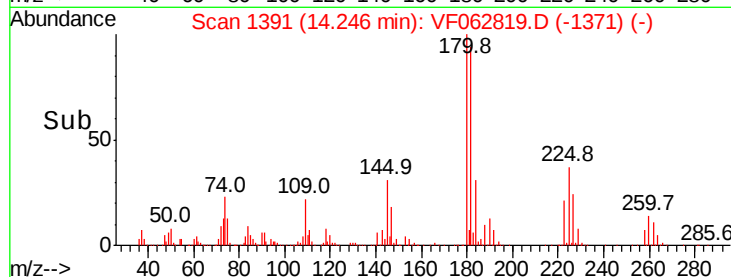
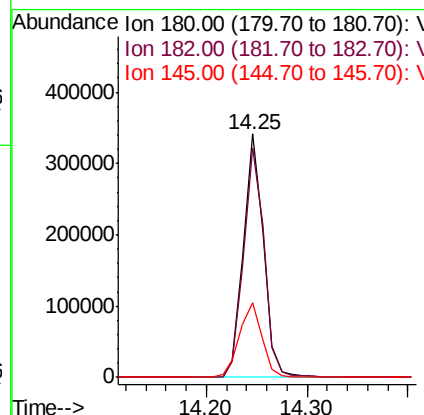
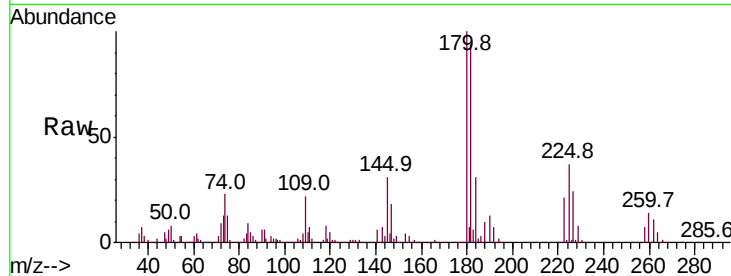
#93
1,2,4-Trichlorobenzene
Concen: 47.456 ug/l
RT: 14.25 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	472728		
182	94.1	50.3	150.9	
145	30.6	15.4	46.2	

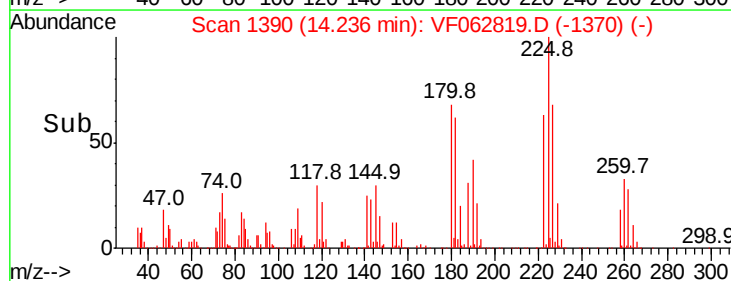
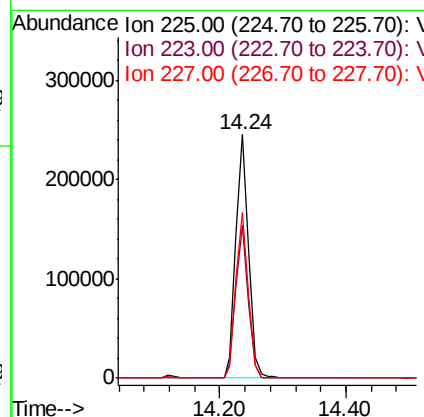
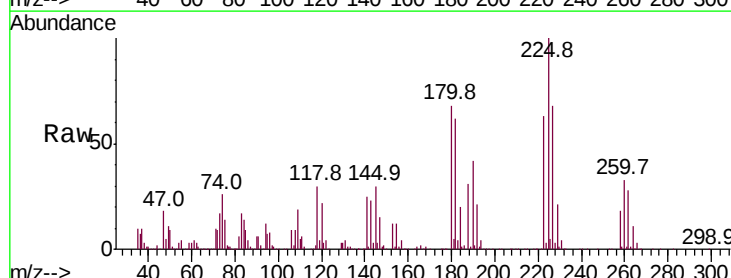
Manual Integrations
APPROVED

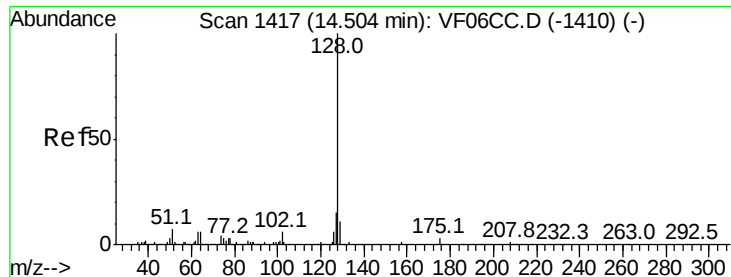
MMDadoda
6/4/2019 8:45:27 AM



#94
Hexachlorobutadiene
Concen: 49.021 ug/l
RT: 14.24 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	337813		
223	62.5	30.8	92.4	
227	67.9	31.9	95.5	





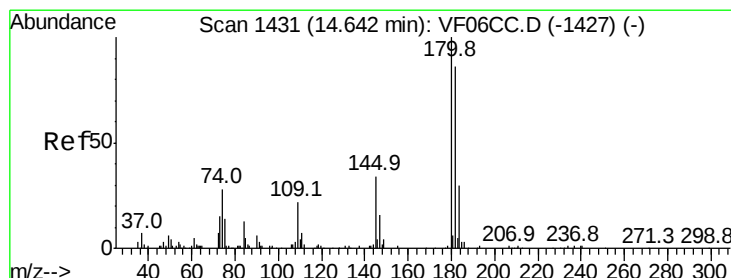
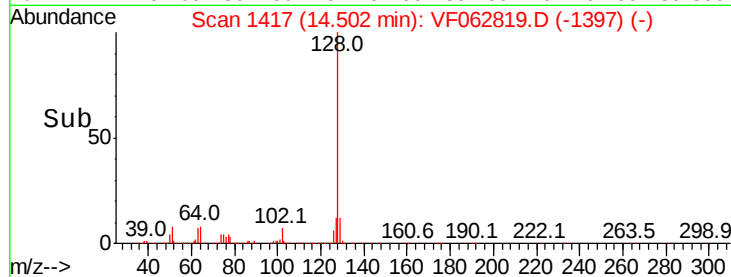
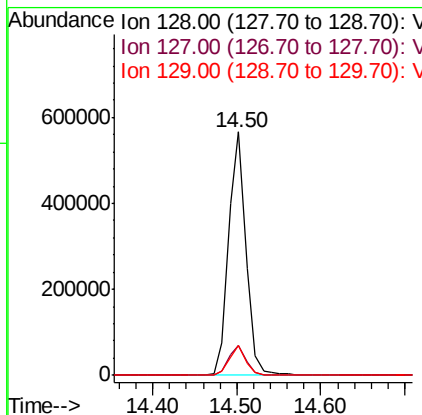
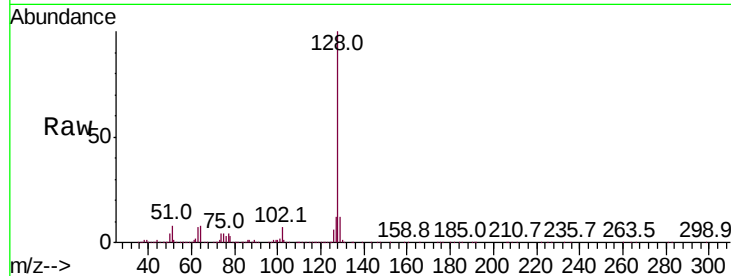
#95
Naphthalene
Concen: 49.822 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.7	14.5
129	12.3	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.540 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062819.D
Acq: 31 May 2019 20:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	48.6	145.9
145	26.8	15.7	47.0

