

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062801.D
 Acq On : 31 May 2019 10:49
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:45:20 AM

Quant Time: Jun 01 01:05:12 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	921212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1470430	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1151869	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	538536	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	314067	49.30	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.60%		
35) Dibromofluoromethane	4.32	113	568039	51.12	ug/l	-0.01
Spiked Amount 50.000			Recovery =	102.24%		
50) Toluene-d8	7.72	98	1509489	53.72	ug/l	-0.01
Spiked Amount 50.000			Recovery =	107.44%		
62) 4-Bromofluorobenzene	11.51	95	525871	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.06%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	503901	48.187	ug/l	98
3) Chloromethane	1.15	50	469973	49.306	ug/l	99
4) Vinyl Chloride	1.19	62	439404	46.389	ug/l	98
5) Bromomethane	1.40	94	274840	50.878	ug/l	83
6) Chloroethane	1.45	64	187112	52.834	ug/l #	84
7) Trichlorofluoromethane	1.56	101	662787	49.427	ug/l	98
8) Diethyl Ether	1.72	74	129194	48.970	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.93	101	386312	45.823	ug/l	99
10) Methyl Iodide	1.99	142	805958m	47.679	ug/l	
11) Tert butyl alcohol	2.70	59	94759	245.551	ug/l	96
12) 1,1-Dichloroethene	1.89	96	365535	47.749	ug/l	90
13) Acrolein	2.10	56	39524	256.590	ug/l	97
14) Allyl chloride	2.20	41	290417	48.900	ug/l	95
15) Acrylonitrile	3.09	53	260610	179.723	ug/l	97
16) Acetone	2.35	43	416525	285.682	ug/l	98
17) Carbon Disulfide	1.93	76	1115992m	49.878	ug/l	
18) Methyl Acetate	2.47	43	116329	45.658	ug/l	90
19) Methyl tert-butyl Ether	2.56	73	655876	47.289	ug/l	96
20) Methylene Chloride	2.35	84	363084m	49.713	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	382885	49.883	ug/l	97
22) Diisopropyl ether	2.94	45	796606	47.212	ug/l	98
23) Vinyl Acetate	3.35	43	2744010	237.547	ug/l	99
24) 1,1-Dichloroethane	3.02	63	611925	48.572	ug/l	99
25) 2-Butanone	4.54	43	821299	241.888	ug/l	95
26) 2,2-Dichloropropane	3.79	77	371549	51.941	ug/l	93
27) cis-1,2-Dichloroethene	3.66	96	629088	48.758	ug/l	97
28) Bromochloromethane	3.92	49	328240	47.899	ug/l	98
29) Tetrahydrofuran	4.28	42	304061	234.140	ug/l	97
30) Chloroform	4.06	83	874190	49.235	ug/l	97
31) Cyclohexane	3.89	56	824044m	48.314	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	568101	54.954	ug/l	97
36) 1,1-Dichloropropene	4.49	75	697132	51.500	ug/l	97
37) Ethyl Acetate	4.31	43	276764	53.485	ug/l	87
38) Carbon Tetrachloride	4.20	117	495871	54.202	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	892927	53.000	ug/l	95
40) Benzene	4.83	78	1951809	49.543	ug/l	100
41) Methacrylonitrile	4.95	41	143177	49.772	ug/l	95
42) 1,2-Dichloroethane	5.14	62	389306	51.956	ug/l	98
43) Isopropyl Acetate	7.13	43	346977	50.760	ug/l #	99
44) Trichloroethene	5.70	130	551437	49.596	ug/l	99
45) 1,2-Dichloropropane	6.42	63	522045	52.804	ug/l	100
46) Dibromomethane	6.27	93	294774	51.069	ug/l	92
47) Bromodichloromethane	6.57	83	616304	52.428	ug/l	96
48) Methyl methacrylate	6.89	41	189663	53.838	ug/l	94
49) 1,4-Dioxane	6.88	88	48976	1054.714	ug/l #	93
51) 4-Methyl-2-Pentanone	8.41	43	1308208	268.061	ug/l	100
52) Toluene	7.79	92	1177250	55.480	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	551810	56.648	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	691017	49.007	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	348544	54.982	ug/l	98
56) Ethyl methacrylate	8.77	69	398347	58.564	ug/l	96
57) 1,3-Dichloropropane	9.01	76	575833	55.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	579731	243.874	ug/l	98
59) 2-Hexanone	9.63	43	898225	258.222	ug/l	97
60) Dibromochloromethane	8.87	129	450930	57.455	ug/l	100
61) 1,2-Dibromoethane	9.14	107	363718	55.245	ug/l	97
64) Tetrachloroethene	8.32	164	462185	52.216	ug/l	92
65) Chlorobenzene	9.95	112	1110899	49.941	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	433052	48.883	ug/l	97
67) Ethyl Benzene	10.05	91	1943165	50.905	ug/l	100
68) m/p-Xylenes	10.27	106	1542131	105.574	ug/l	99
69) o-Xylene	10.83	106	752435	50.877	ug/l	99
70) Styrene	10.91	104	1144810	52.518	ug/l	98
71) Bromoform	10.89	173	226742	53.353	ug/l #	97
73) Isopropylbenzene	11.22	105	1942640	51.698	ug/l	97
74) N-amyl acetate	11.46	43	543616	51.329	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	410897	51.205	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	262878	49.421	ug/l	99
77) Bromobenzene	11.59	156	493676	52.288	ug/l	85
78) n-propylbenzene	11.68	91	2368279	52.198	ug/l	100
79) 2-Chlorotoluene	11.80	91	1354022	52.155	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	1584857	51.573	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	127597m	56.660	ug/l	
82) 4-Chlorotoluene	11.98	91	1356220	53.157	ug/l	99
83) tert-Butylbenzene	12.21	119	1617299	53.114	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	1556197	53.411	ug/l	99
85) sec-Butylbenzene	12.37	105	2135545	53.225	ug/l	99
86) p-Isopropyltoluene	12.52	119	1754041	52.521	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	853980	51.287	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	790214	50.852	ug/l	98
89) n-Butylbenzene	12.91	91	1773052	52.778	ug/l	99
90) Hexachloroethane	12.99	117	443638	54.465	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	788315	53.863	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	44965	51.432	ug/l	93

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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)
93) 1,2,4-Trichlorobenzene	14.25	180	500524	49.809	ug/l	98
94) Hexachlorobutadiene	14.24	225	367318	52.837	ug/l	98
95) Naphthalene	14.50	128	881372	53.536	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	473414	51.610	ug/l	98

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

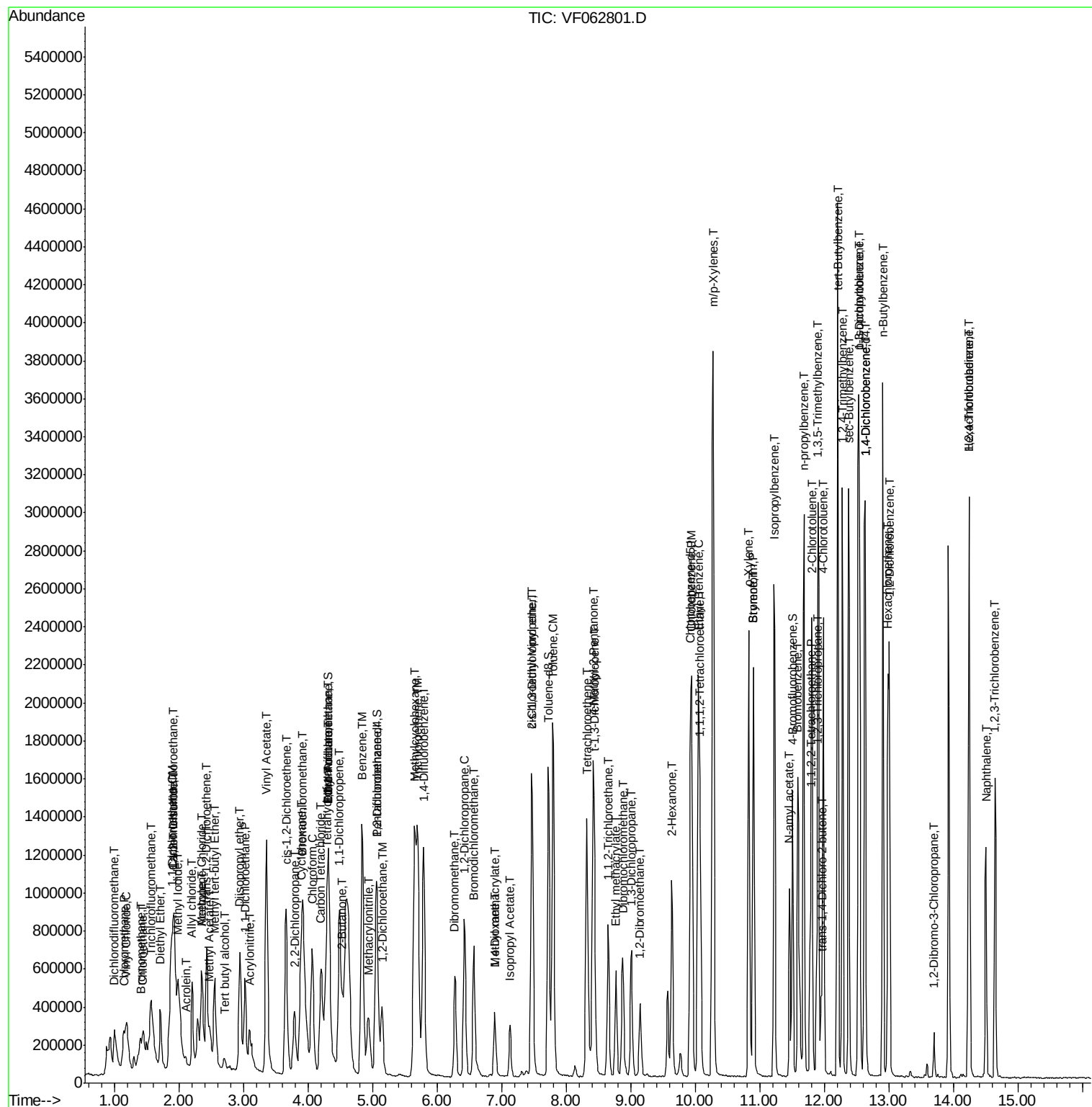
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF053119\
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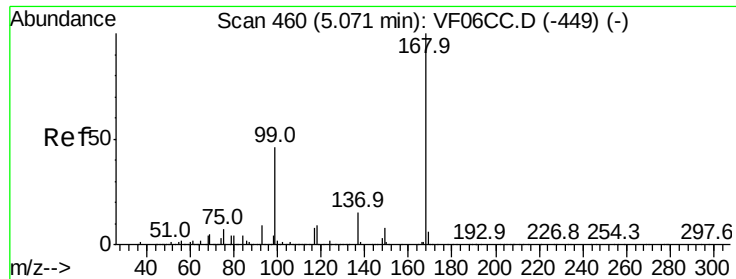
Instrument :
MSVOA_F
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 921212

Ion Ratio Lower Upper

168 100

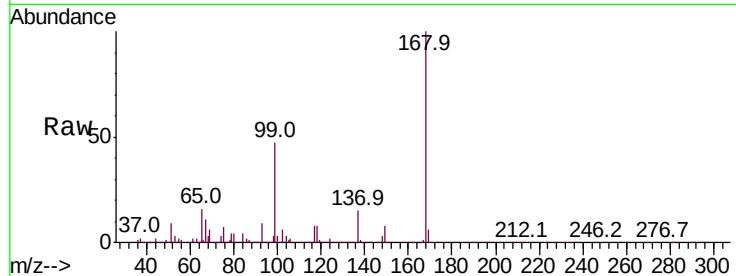
99 46.7 39.1 58.7

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF062801.D (-449) (-)

Ion 99.00 (98.70 to 99.70): VF062801.D (-449) (-)

5.07

300000

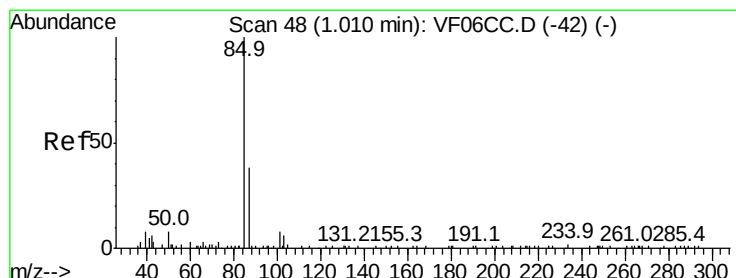
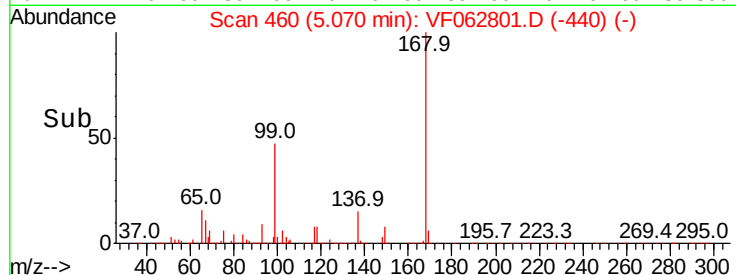
200000

100000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 48.187 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062801.D

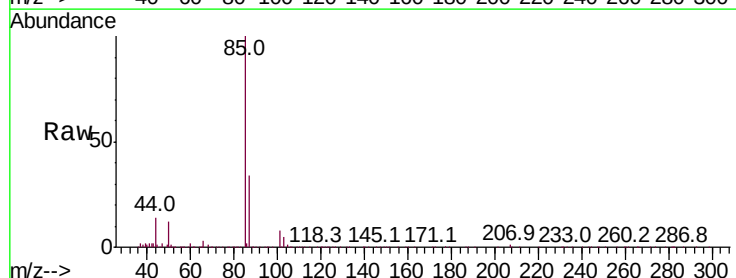
Acq: 31 May 2019 10:49

Tgt Ion: 85 Resp: 503901

Ion Ratio Lower Upper

85 100

87 34.0 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF062801.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VF062801.D (-28) (-)

1.00

150000

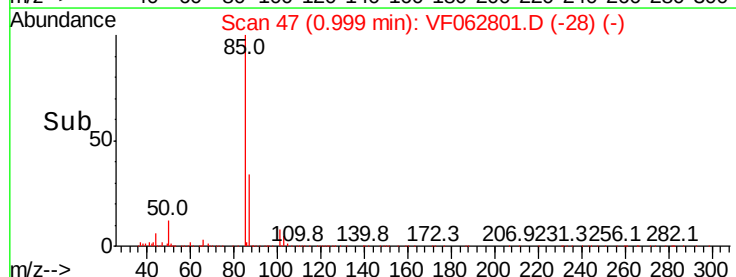
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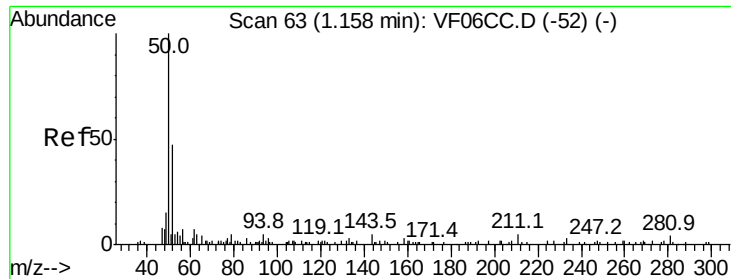
50000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 49.306 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 469973

Ion Ratio Lower Upper

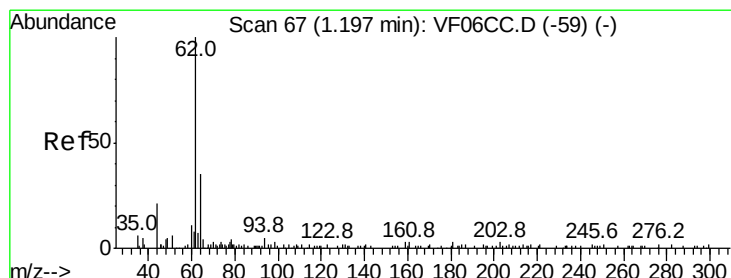
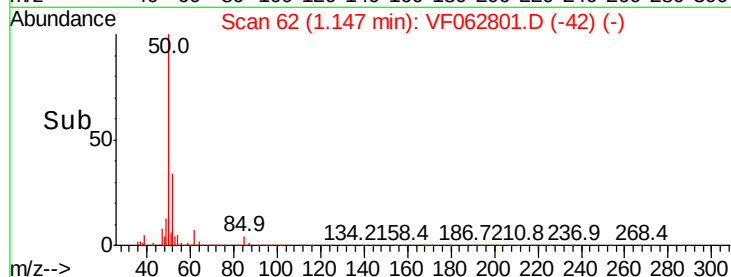
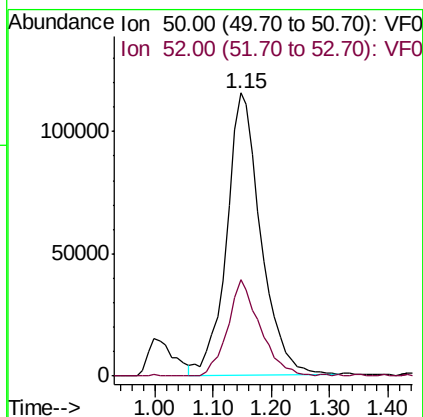
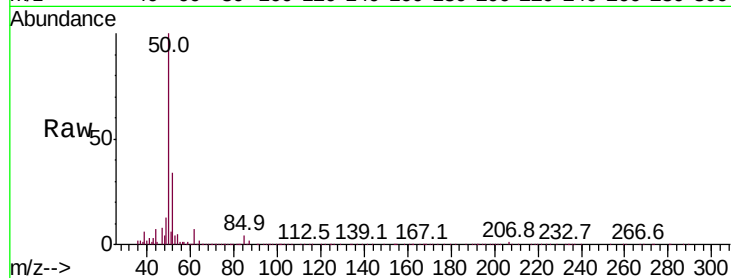
50 100

52 34.2 27.0 40.4

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#4

Vinyl Chloride

Concen: 46.389 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062801.D

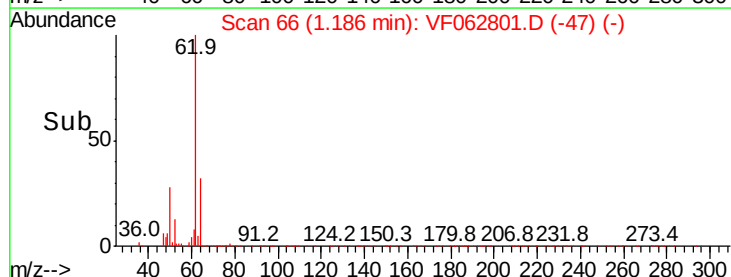
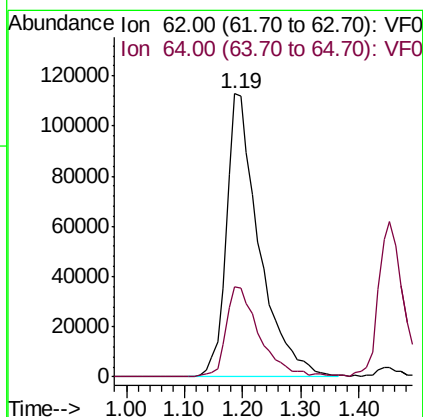
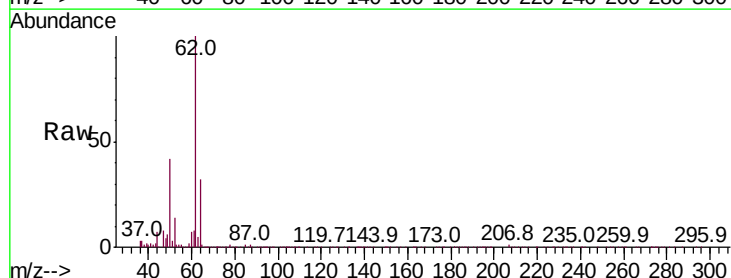
Acq: 31 May 2019 10:49

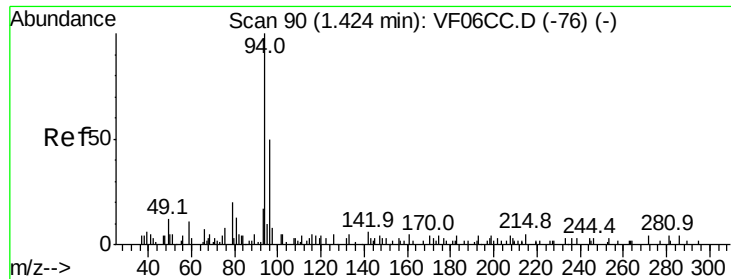
Tgt Ion: 62 Resp: 439404

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.2





#5

Bromomethane

Concen: 50.878 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tot Ion: 94 Resp: 274840

Ion Ratio Lower Upper

94 100

96 108.5 73.8 110.6

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ClientSampleId :

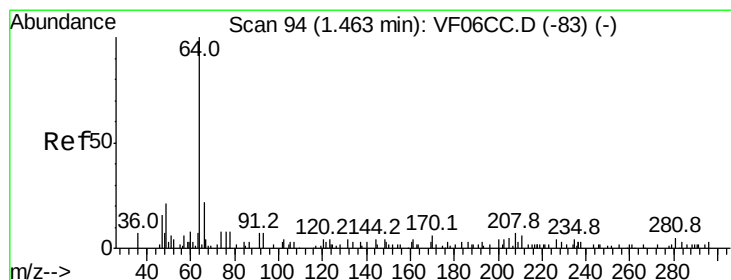
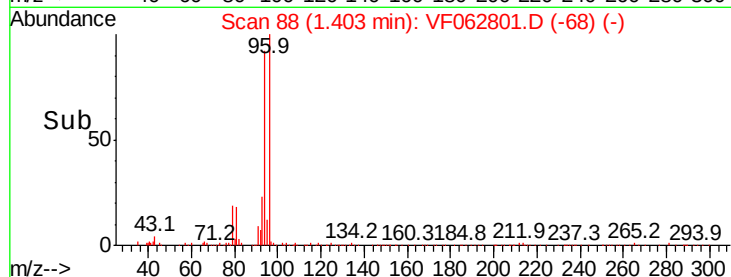
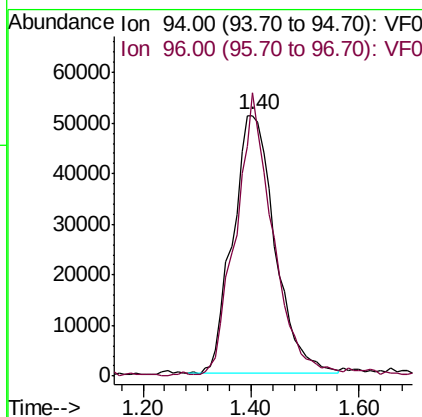
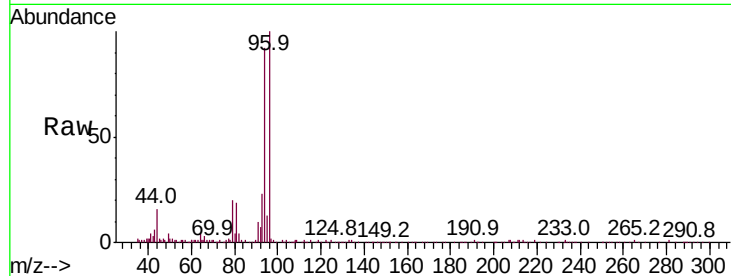
VSTDCCC050

Manual Integrations

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#6

Chloroethane

Concen: 52.834 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062801.D

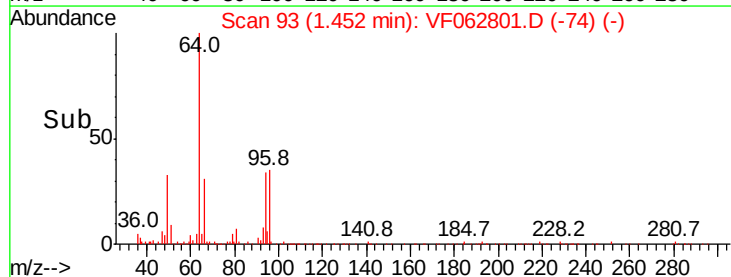
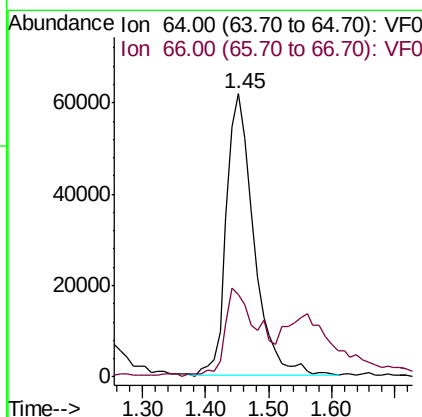
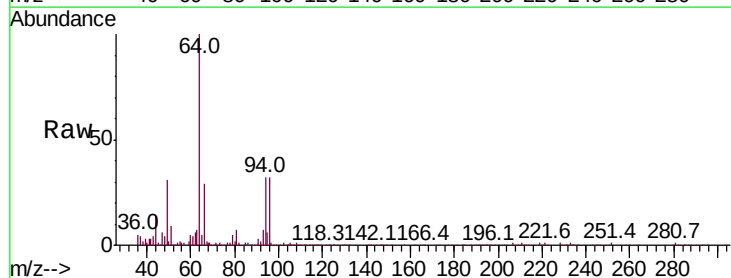
Acq: 31 May 2019 10:49

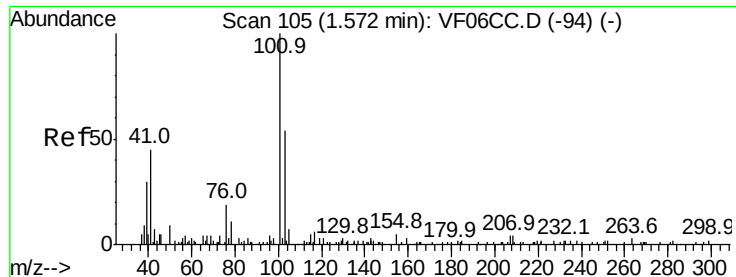
Tgt Ion: 64 Resp: 187112

Ion Ratio Lower Upper

64 100

66 29.2 31.0 46.4#





#7

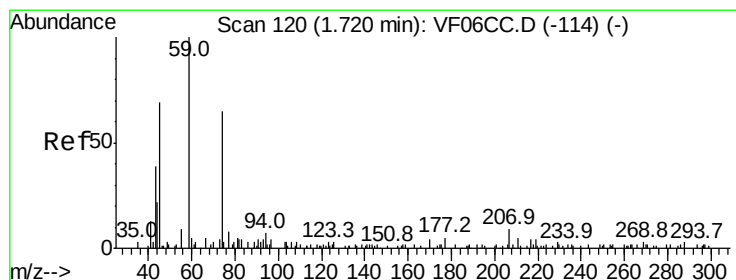
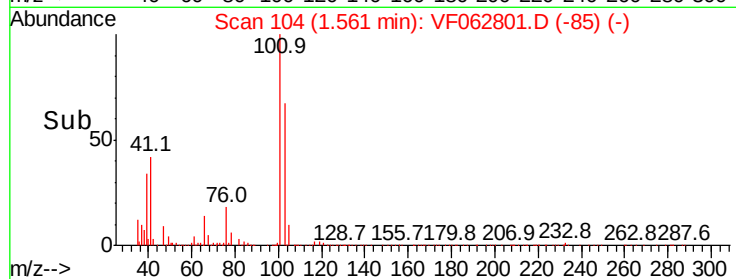
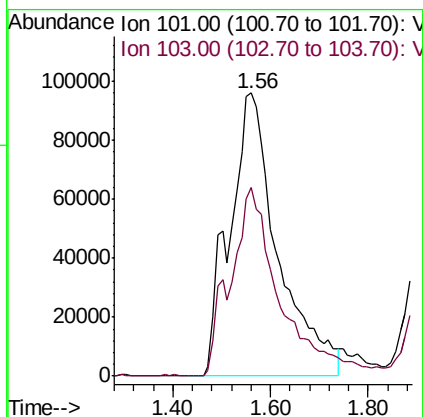
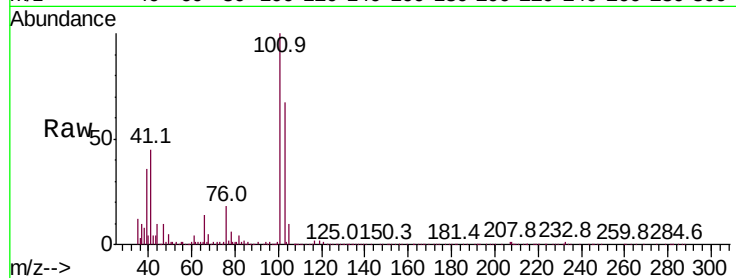
Trichlorofluoromethane
Concen: 49.427 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	54.6	82.0

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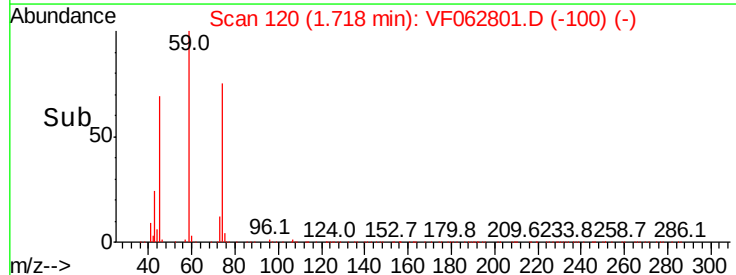
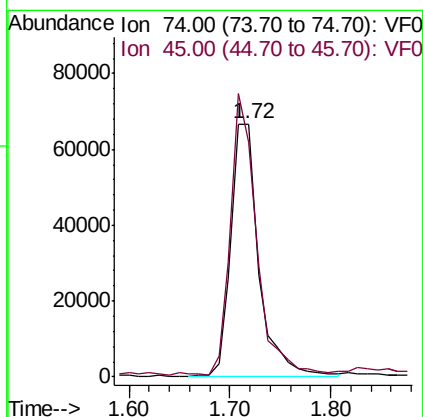
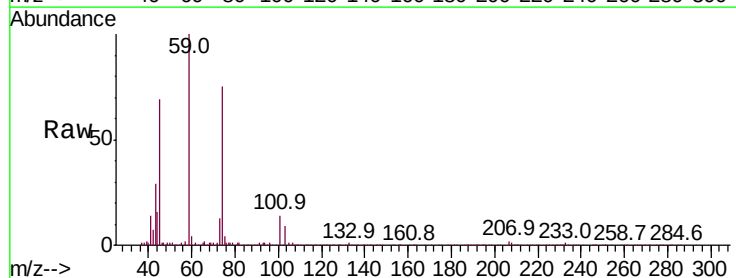
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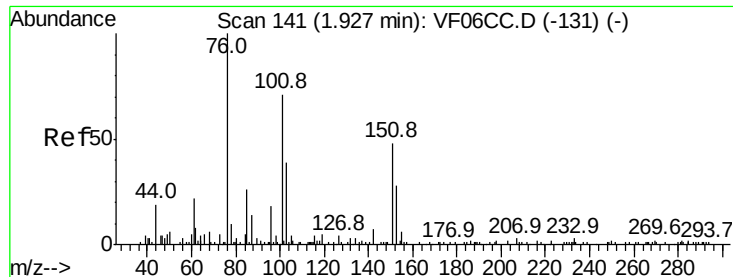


#8

Diethyl Ether
Concen: 48.970 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.823 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062801.D

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Instrument :

MSVOA_F

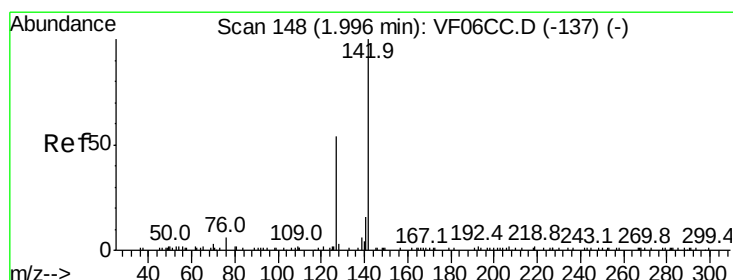
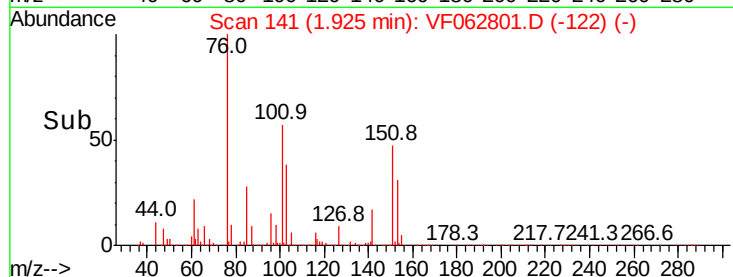
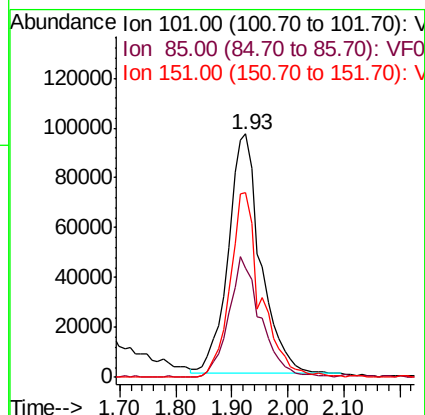
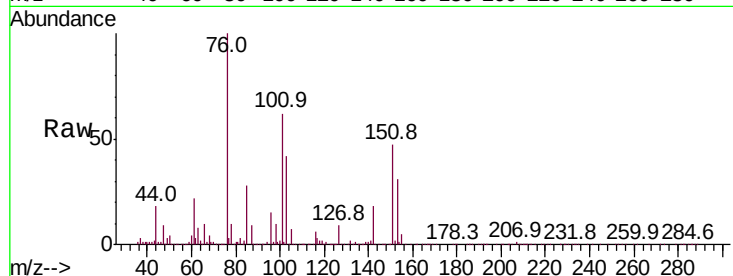
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	386312
Ion Ratio	Lower	Upper	
101	100		
85	44.7	37.1	55.7
151	75.8	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 47.679 ug/l m

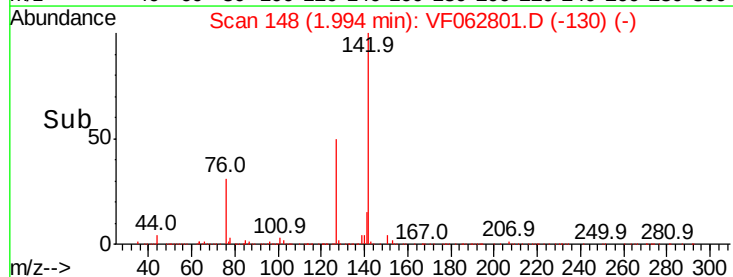
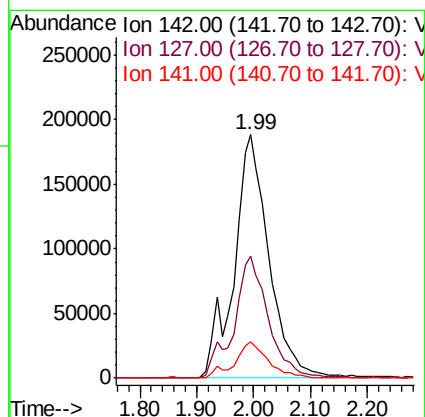
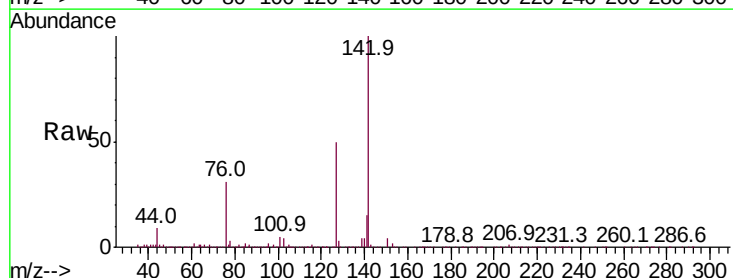
RT: 1.99 min Scan# 148

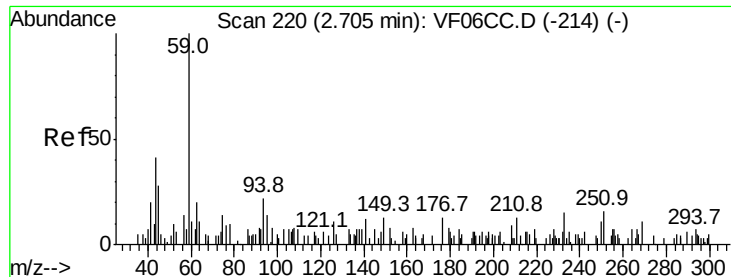
Delta R.T. -0.02 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tgt Ion:	142	Resp:	805958
Ion Ratio	Lower	Upper	
142	100		
127	50.1	39.4	59.2
141	14.7	10.6	15.8





#11

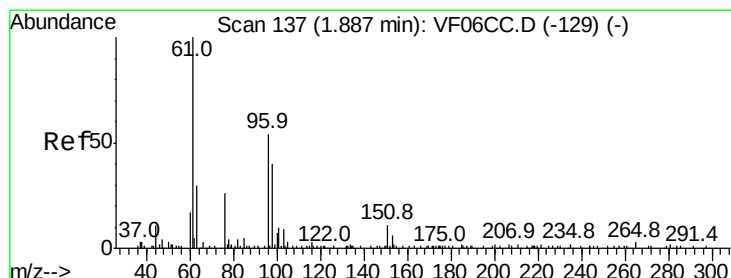
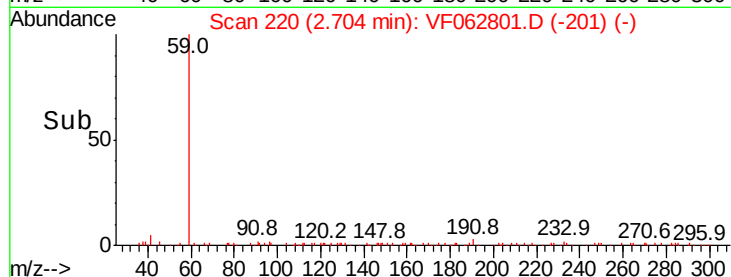
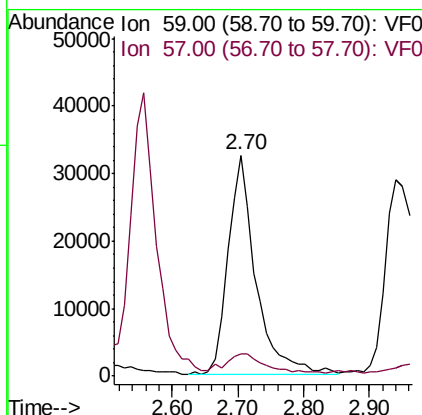
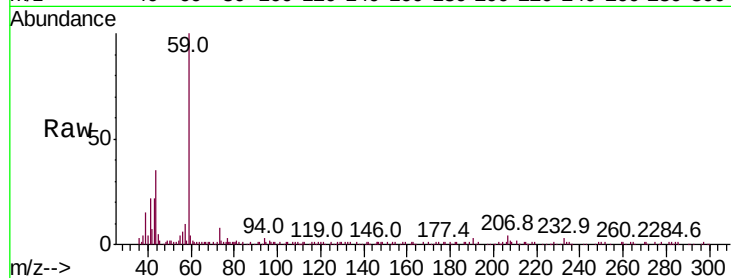
Tert butyl alcohol
 Concen: 245.551 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	9.2	13.8

Manual Integrations
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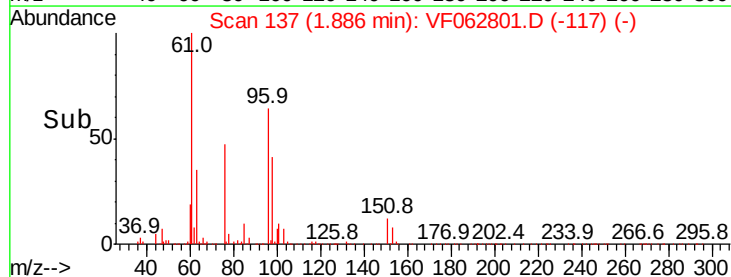
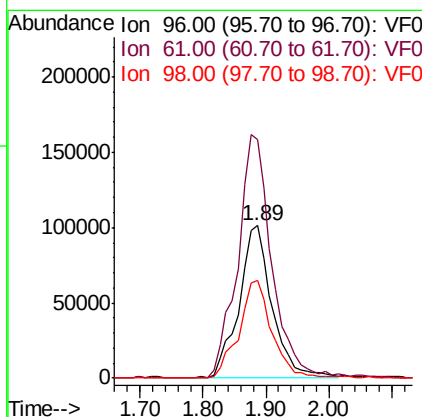
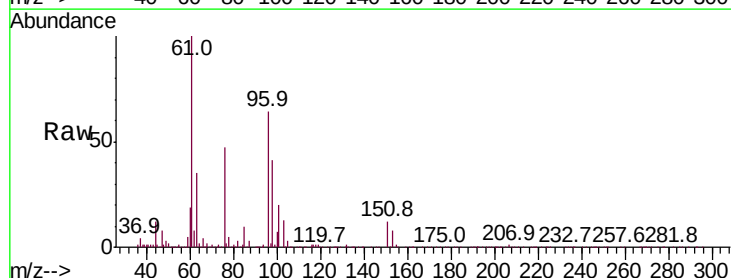
MMDadoda
 6/4/2019 8:45:20 AM

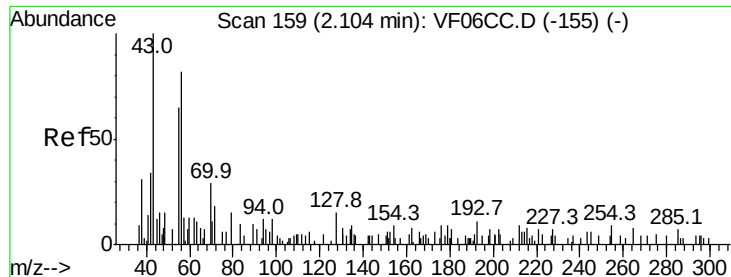


#12

1,1-Dichloroethene
 Concen: 47.749 ug/l
 RT: 1.89 min Scan# 137
 Delta R.T. -0.00 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.1	139.4	209.2
98	63.7	50.3	75.5





#13

Acrolein

Concen: 256.590 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39524

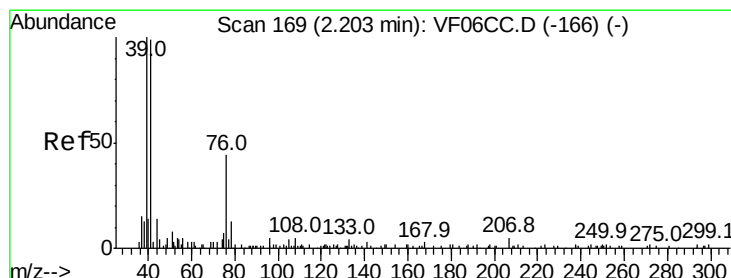
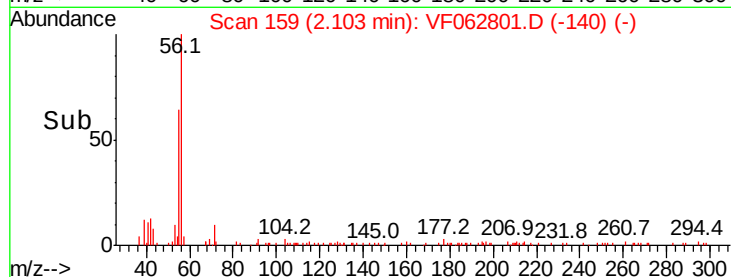
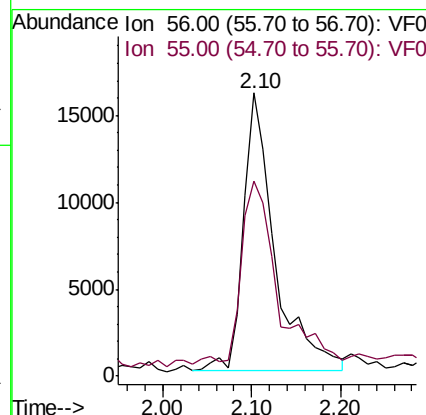
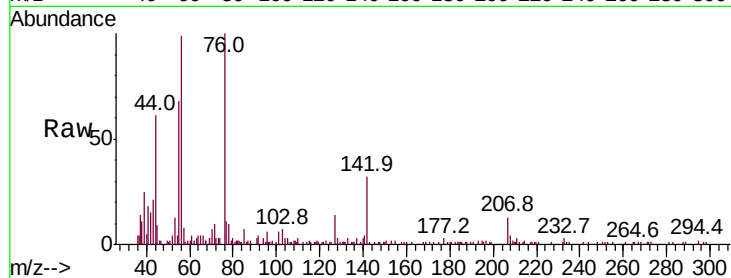
Ion Ratio Lower Upper

56 100

55 68.7 52.9 79.3

Manual Integrations
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#14

Allyl chloride

Concen: 48.900 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

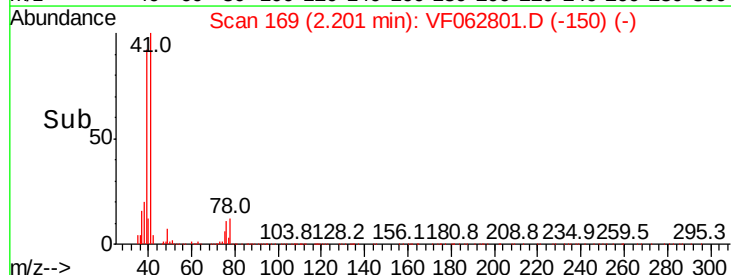
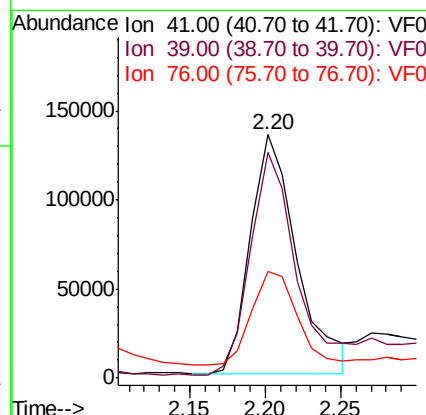
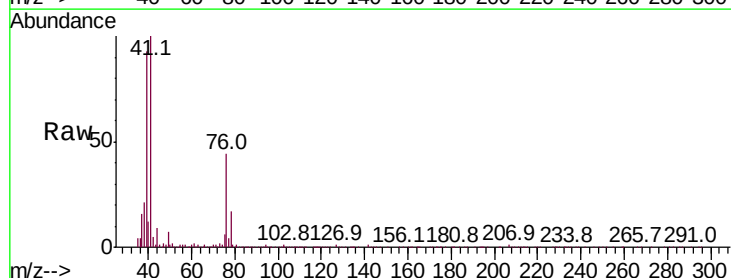
Tgt Ion: 41 Resp: 290417

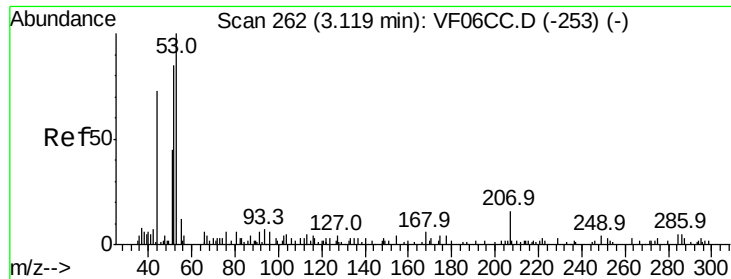
Ion Ratio Lower Upper

41 100

39 92.6 71.9 107.9

76 43.9 39.6 59.4





#15

Acrylonitrile

Concen: 179.723 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

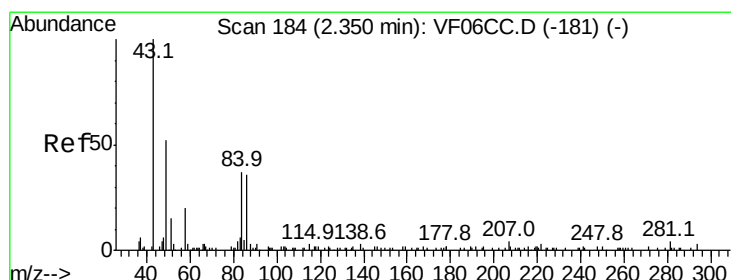
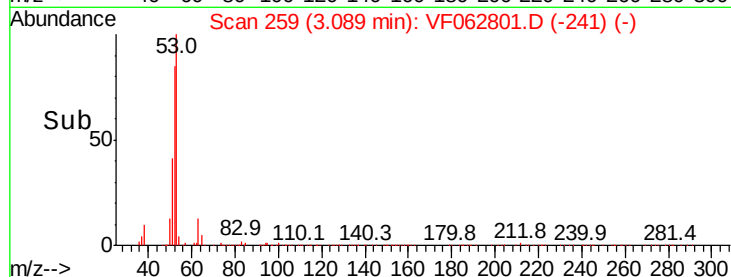
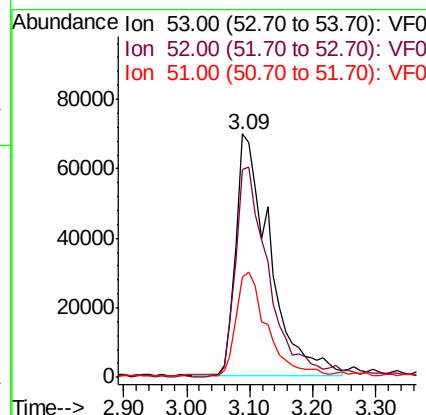
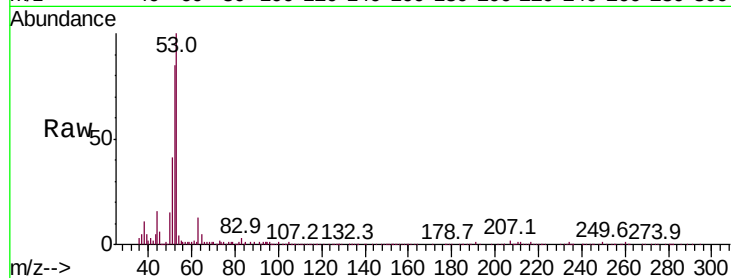
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	260610
Ion Ratio		Lower	Upper
53	100		
52	85.4	68.1	102.1
51	40.9	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 285.682 ug/l

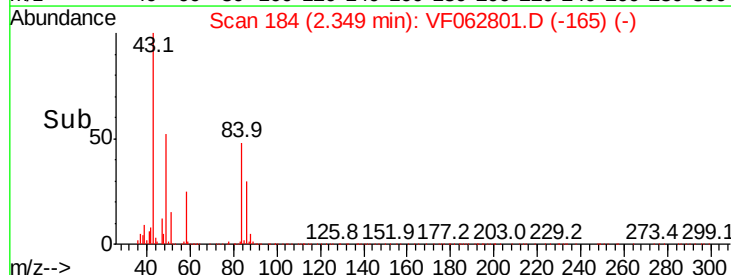
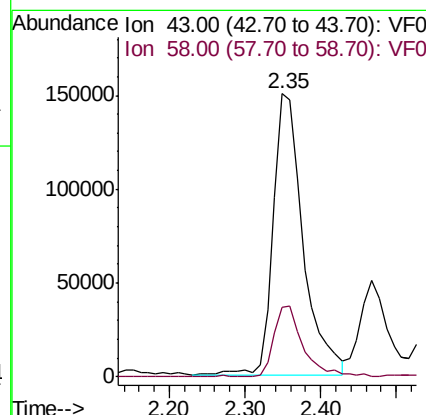
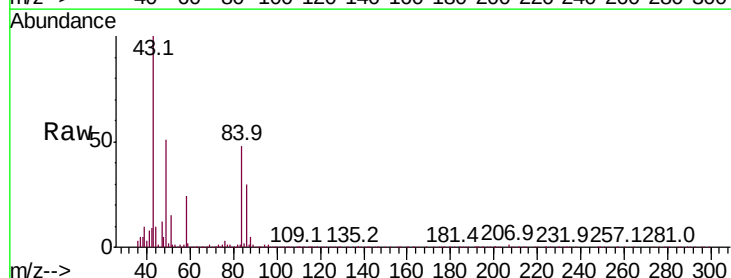
RT: 2.35 min Scan# 184

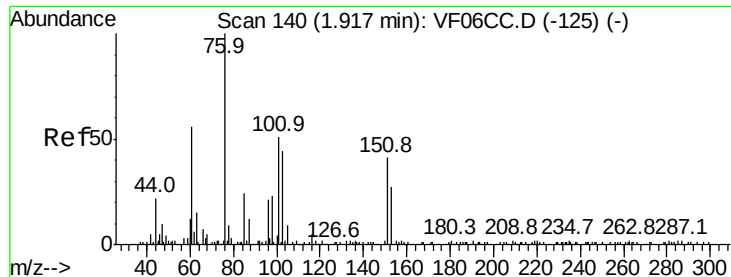
Delta R.T. -0.01 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tgt Ion:	43	Resp:	416525
Ion Ratio		Lower	Upper
43	100		
58	24.4	19.0	28.4





#17

Carbon Disulfide

Concen: 49.878 ug/l m

RT: 1.93 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tot Ion: 76 Resp: 1115992

Ion Ratio Lower Upper

76 100

78 10.0 9.4 14.2

Instrument :

MSVOA_F

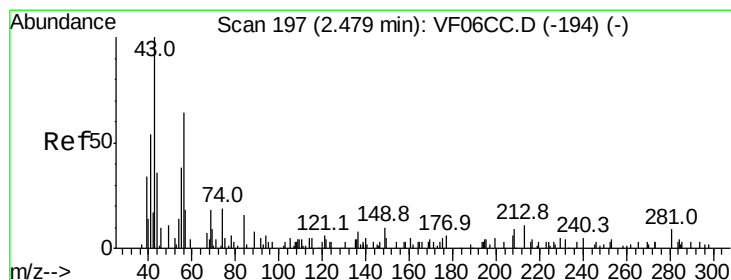
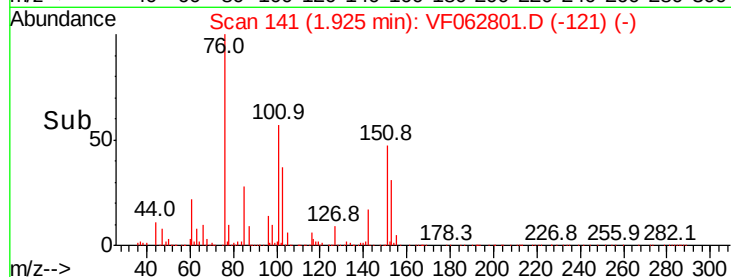
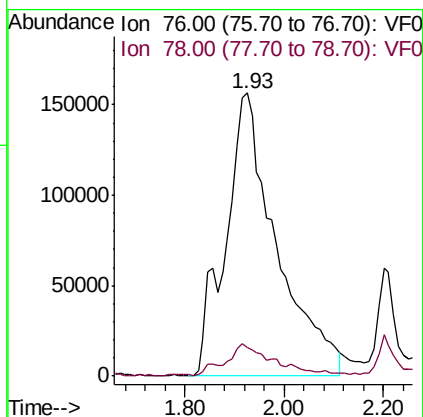
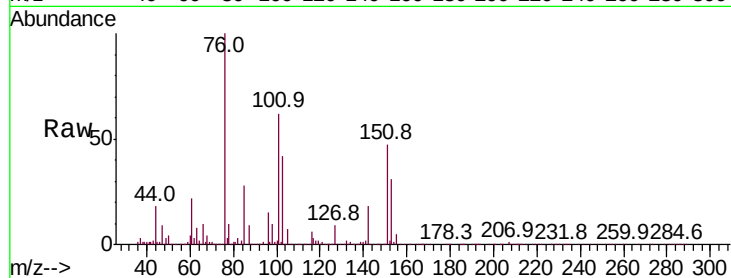
ClientSampleId :

VSTDCCC050

Manual Integrations
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#18

Methyl Acetate

Concen: 45.658 ug/l

RT: 2.47 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF062801.D

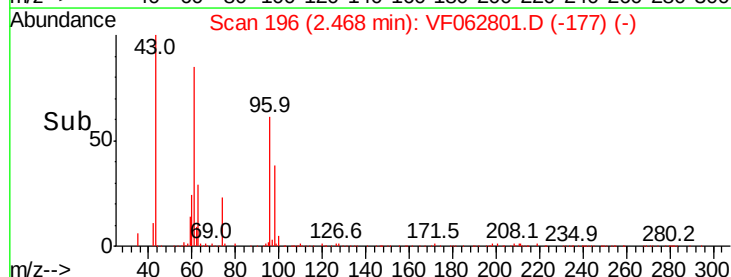
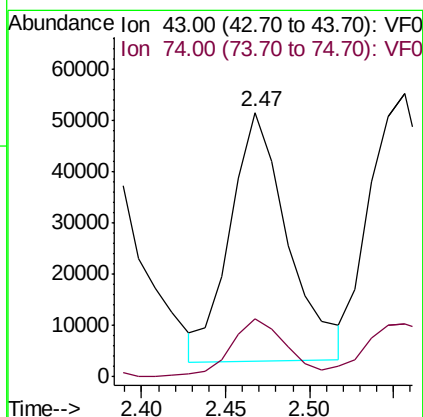
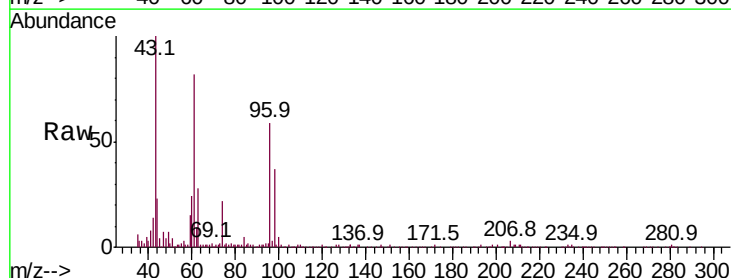
Acq: 31 May 2019 10:49

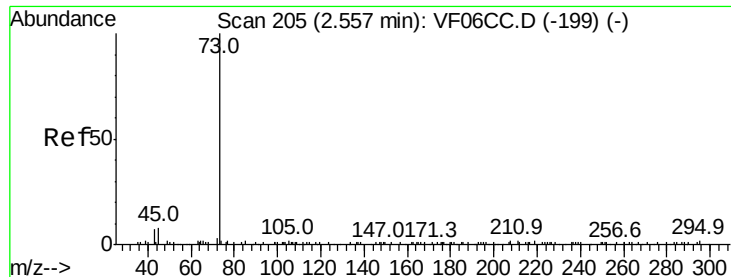
Tgt Ion: 43 Resp: 116329

Ion Ratio Lower Upper

43 100

74 22.1 22.1 33.1





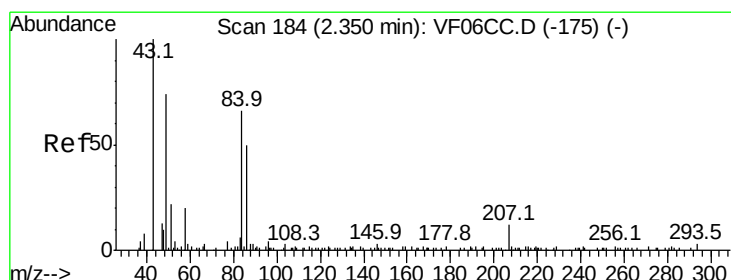
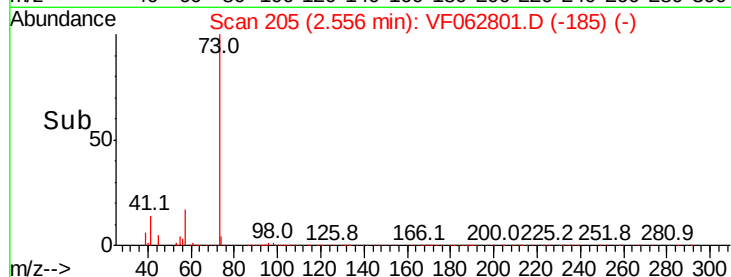
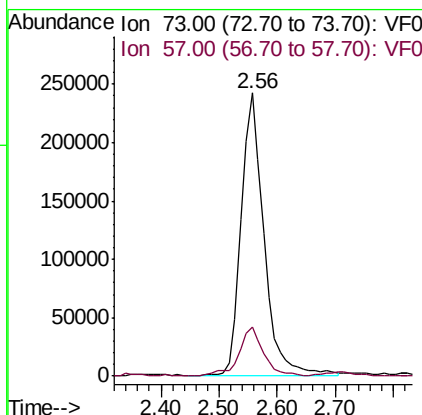
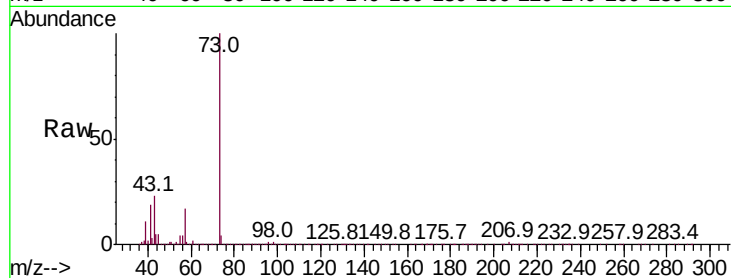
#19
Methyl tert-butyl Ether
Concen: 47.289 ug/l
RT: 2.56 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.3	15.1	22.7

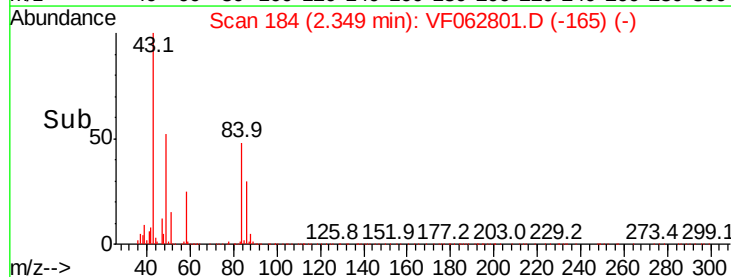
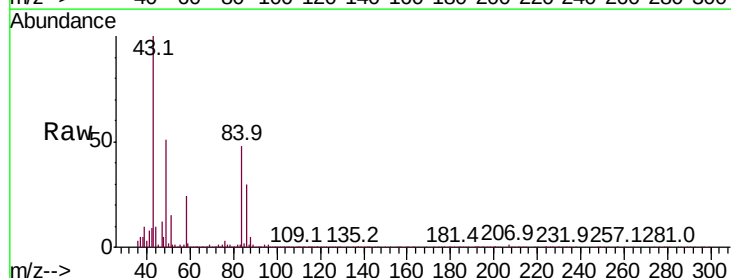
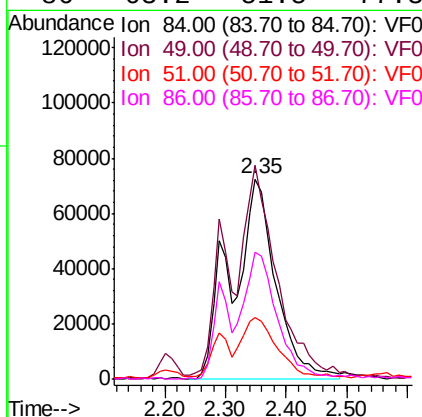
Manual Integrations
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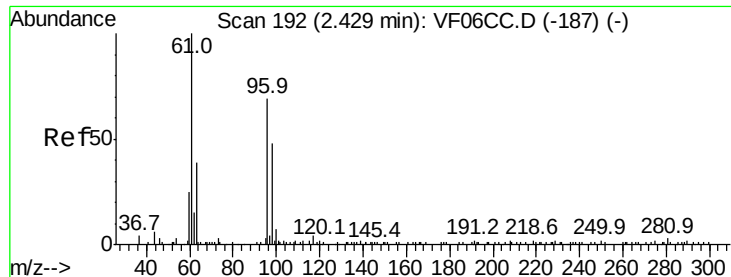
MMDadoda
6/4/2019 8:45:20 AM



#20
Methylene Chloride
Concen: 49.713 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.9	82.6	123.8
51	31.0	25.0	37.4
86	63.2	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 49.883 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.01 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 382885

Ion Ratio Lower Upper

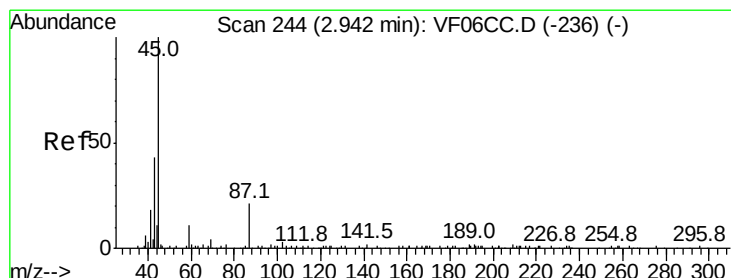
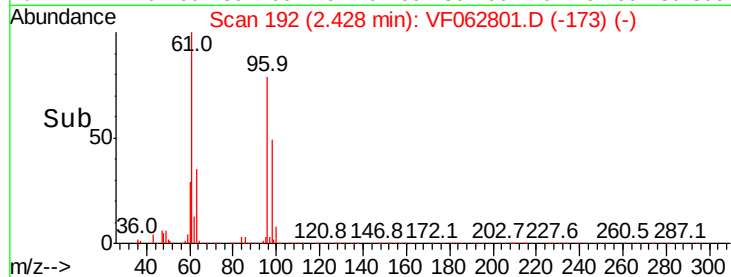
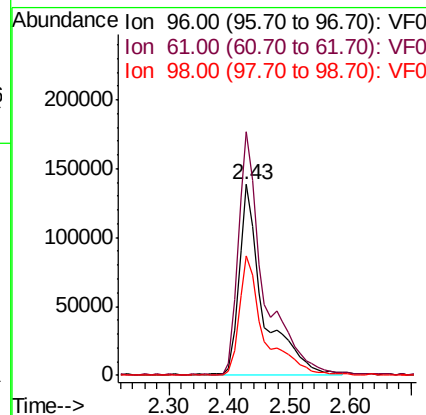
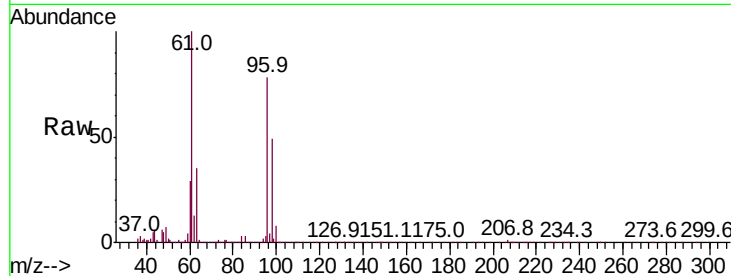
96 100

61 127.5 105.0 157.6

98 62.4 51.1 76.7

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#22

Diisopropyl ether

Concen: 47.212 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tgt Ion: 45 Resp: 796606

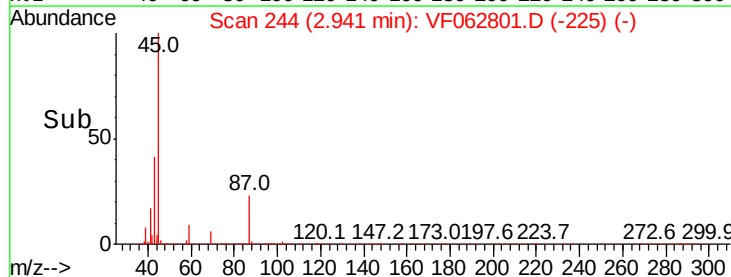
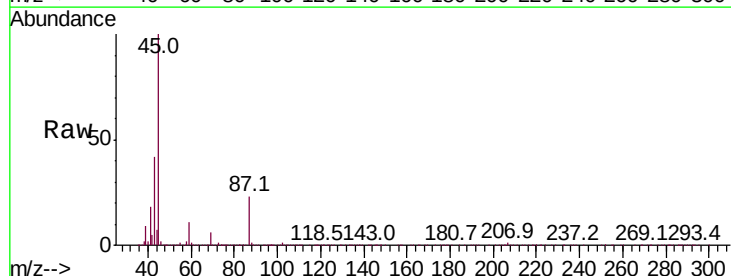
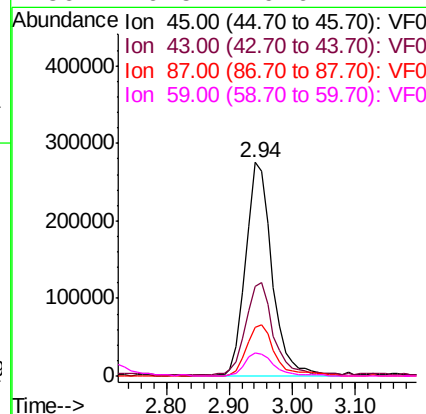
Ion Ratio Lower Upper

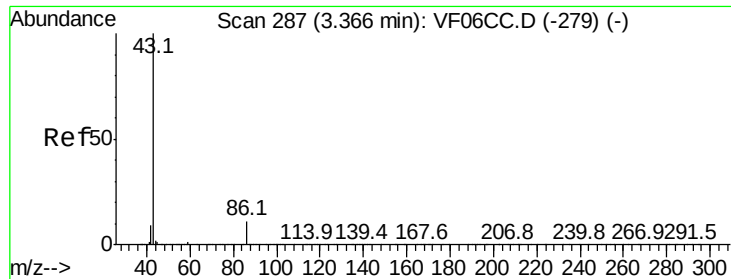
45 100

43 42.1 34.3 51.5

87 23.0 19.0 28.4

59 10.5 9.6 14.4





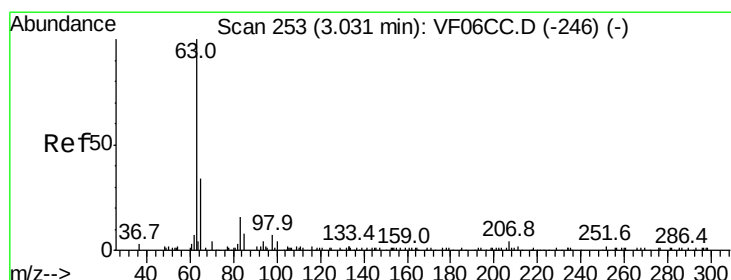
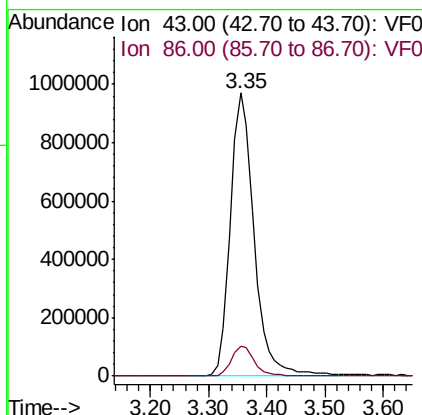
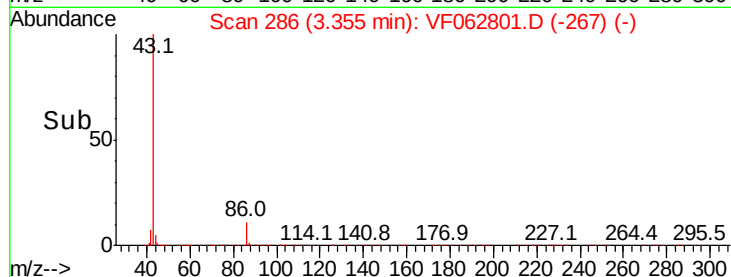
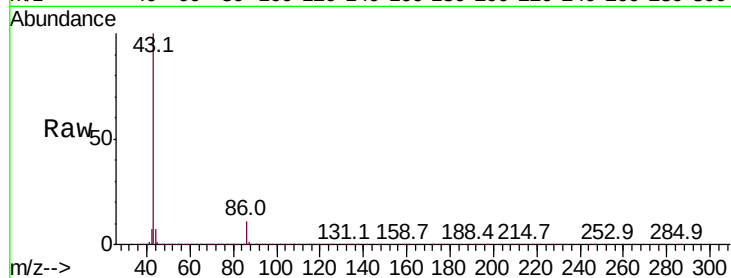
#23
 Vinyl Acetate
 Concen: 237.547 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 2744010
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.2 12.2

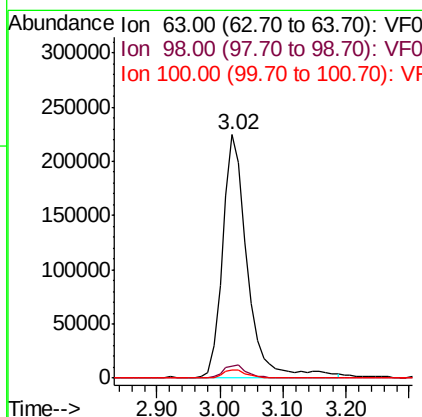
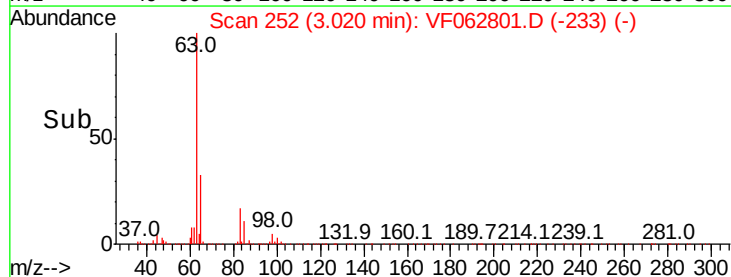
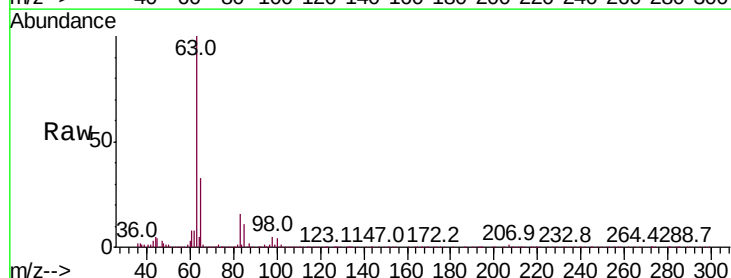
Manual Integrations
 APPROVED

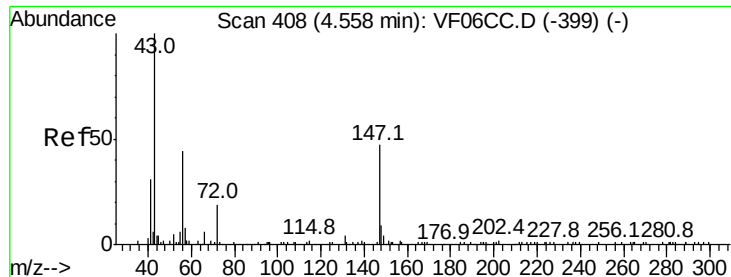
MMDadoda
 6/4/2019 8:45:20 AM



#24
 1,1-Dichloroethane
 Concen: 48.572 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Tgt Ion: 63 Resp: 611925
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.4 7.1
 100 3.5 1.5 4.5





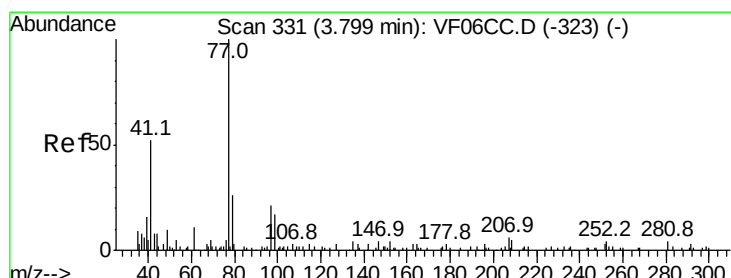
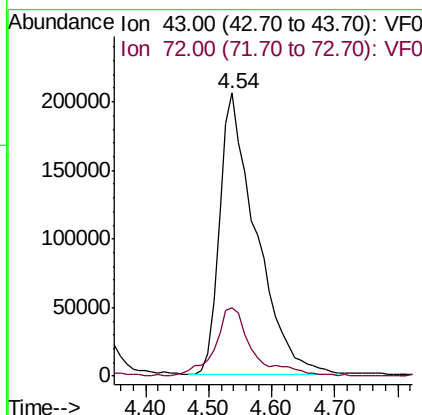
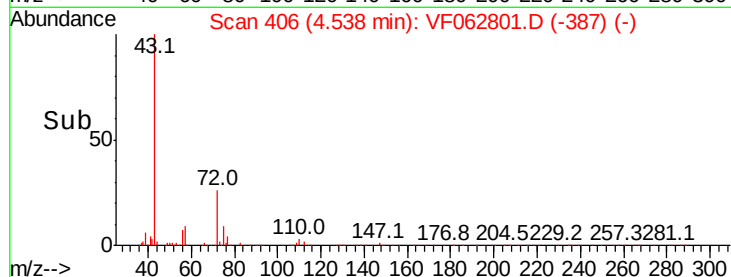
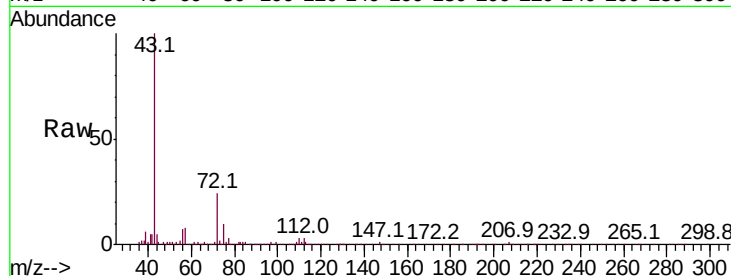
#25
2-Butanone
Concen: 241.888 ug/l
RT: 4.54 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 821299
Ion Ratio Lower Upper
43 100
72 24.1 21.4 32.0

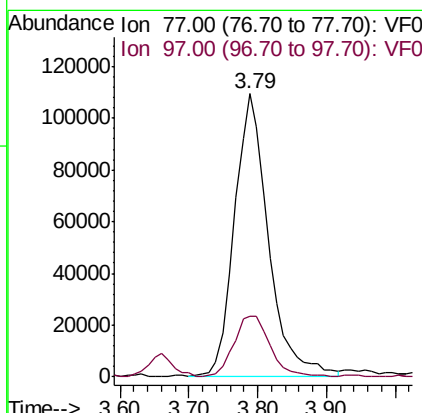
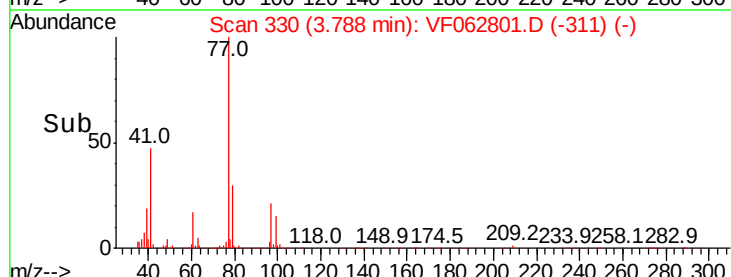
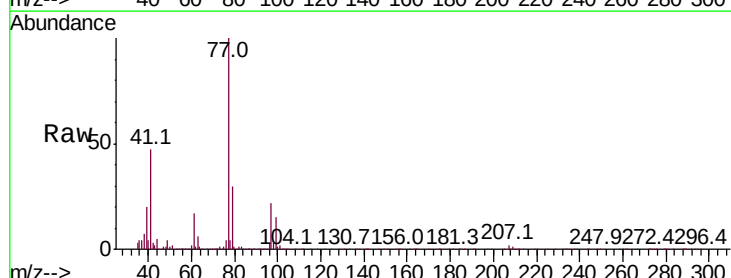
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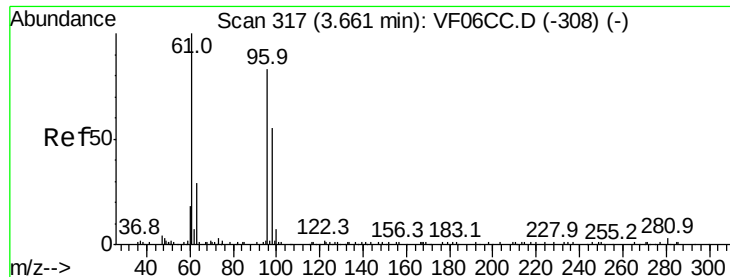
MMDadoda
6/4/2019 8:45:20 AM



#26
2,2-Dichloropropane
Concen: 51.941 ug/l
RT: 3.79 min Scan# 330
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion: 77 Resp: 371549
Ion Ratio Lower Upper
77 100
97 21.6 12.4 37.4





#27

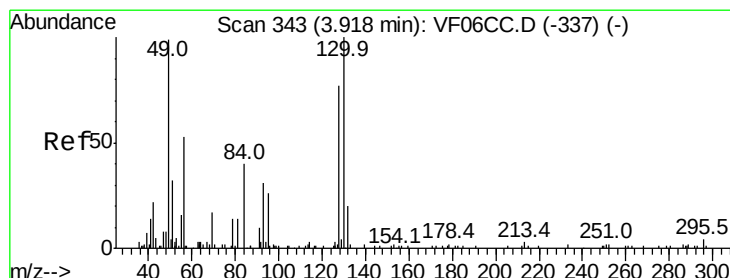
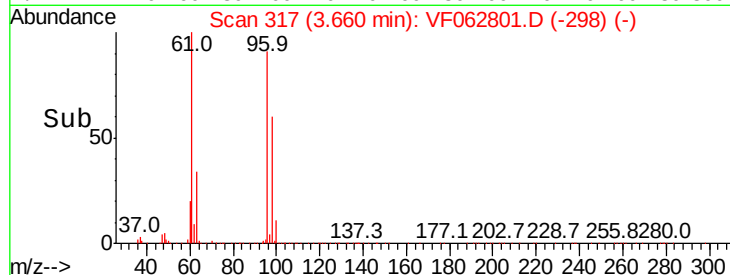
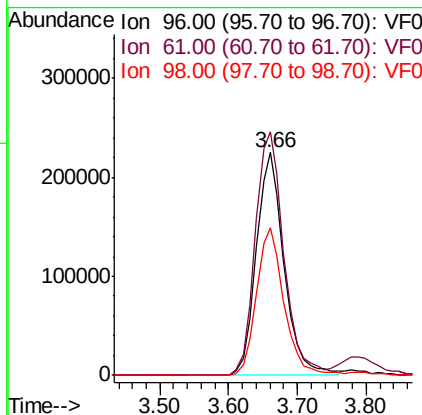
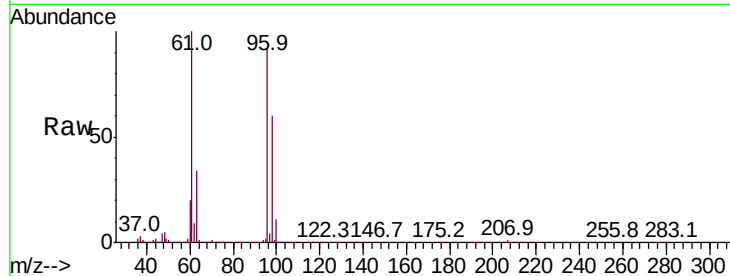
cis-1,2-Dichloroethene
Concen: 48.758 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	629088		
61	109.2		0.0	213.8
98	66.0		0.0	127.0

Manual Integrations
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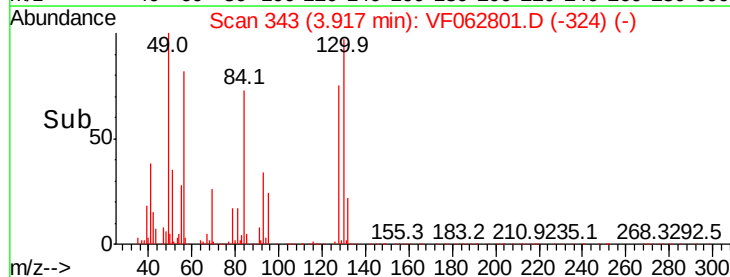
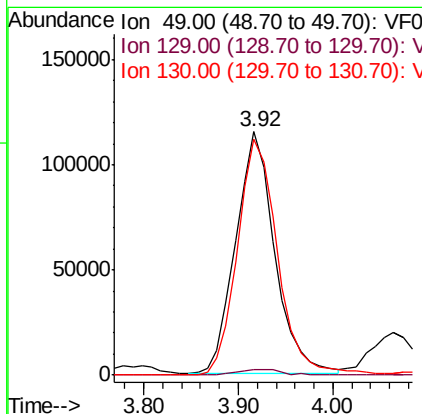
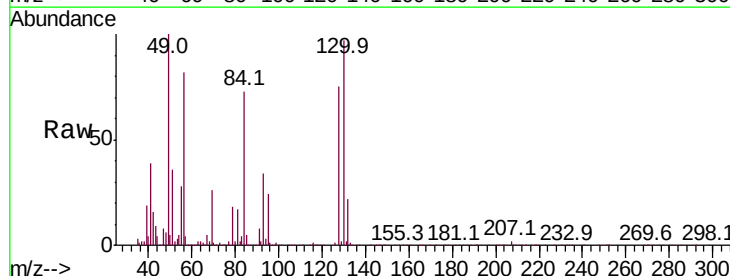
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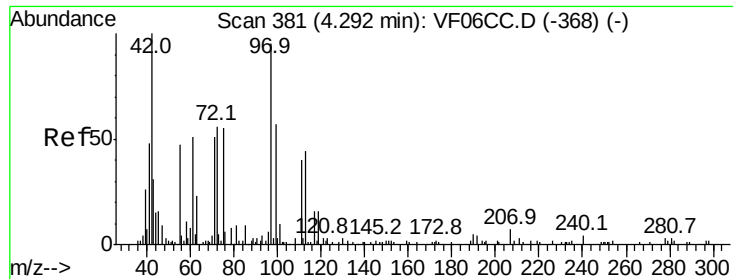


#28

Bromochloromethane
Concen: 47.899 ug/l
RT: 3.92 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	328240		
129	2.4		0.0	5.4
130	96.7		79.2	118.8





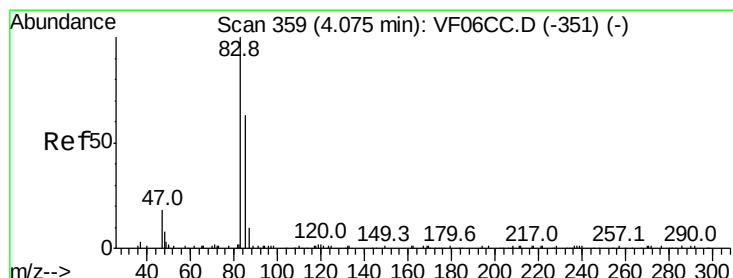
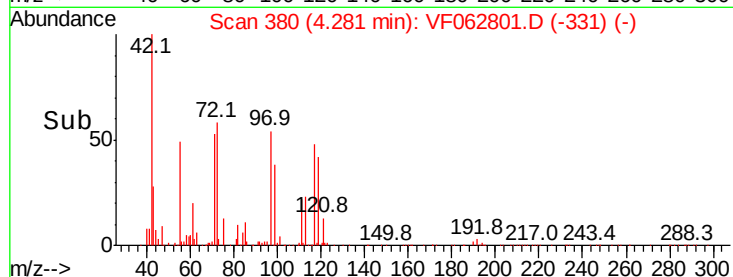
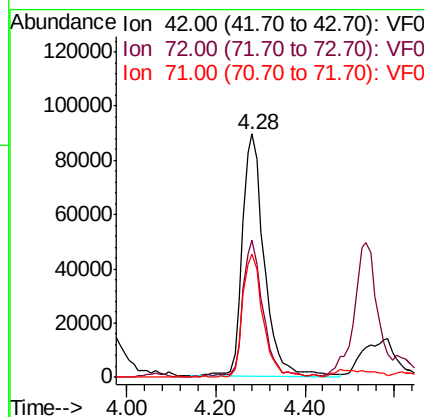
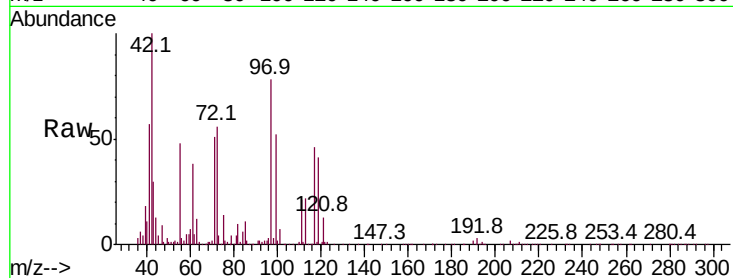
#29
Tetrahydrofuran
Concen: 234.140 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	304061		
72	52.1		39.0	58.6
71	47.2		36.9	55.3

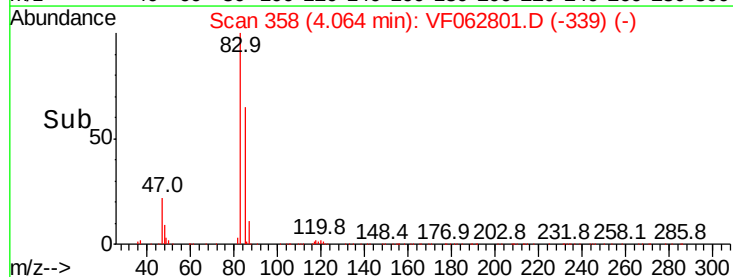
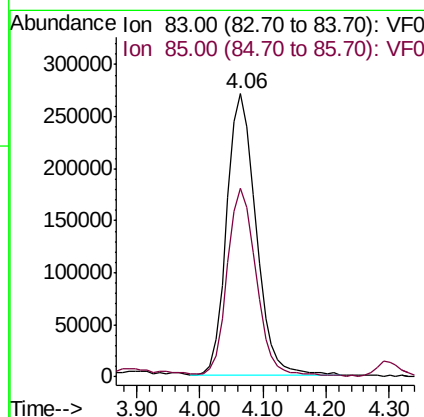
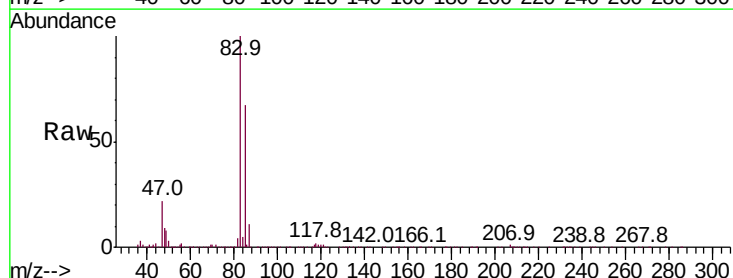
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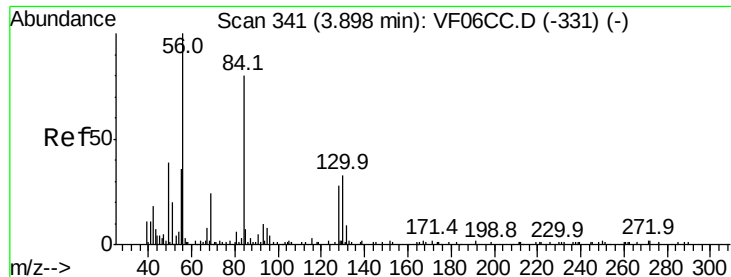
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#30
Chloroform
Concen: 49.235 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	874190		
85	66.6		55.0	82.6





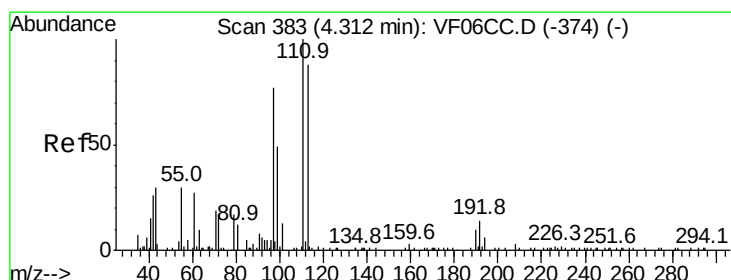
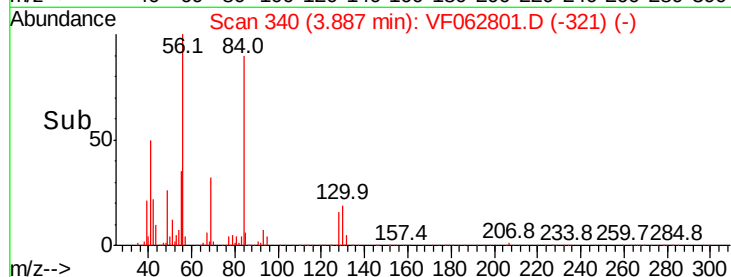
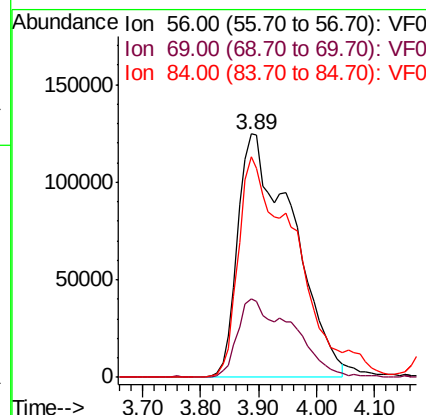
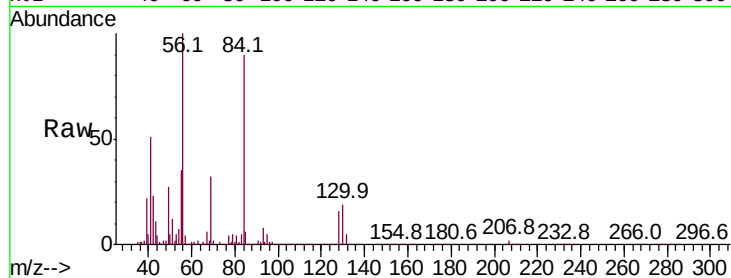
#31
Cyclohexane
Concen: 48.314 ug/l m
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.7	40.1
84	90.5	74.3	111.5

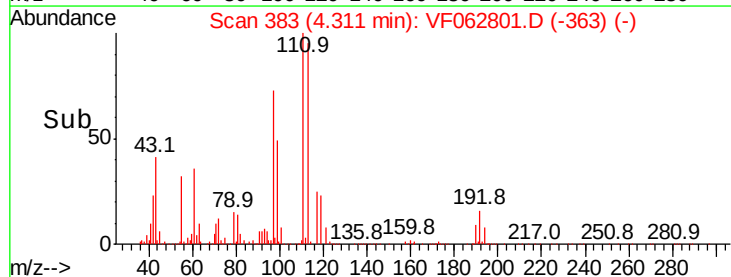
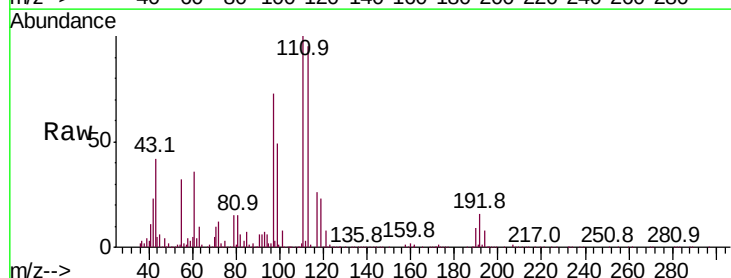
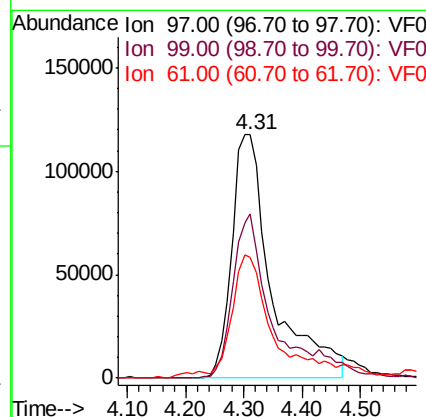
Manual Integrations
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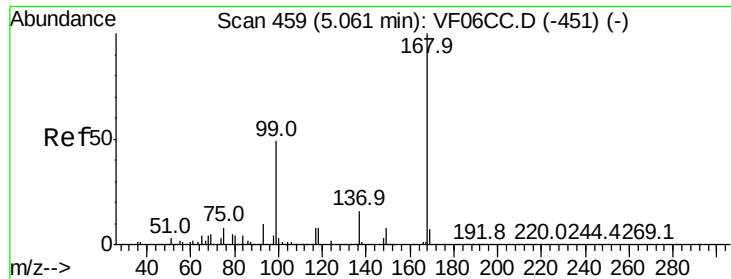
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#32
1,1,1-Trichloroethane
Concen: 54.954 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.6	51.7	77.5
61	49.7	38.9	58.3





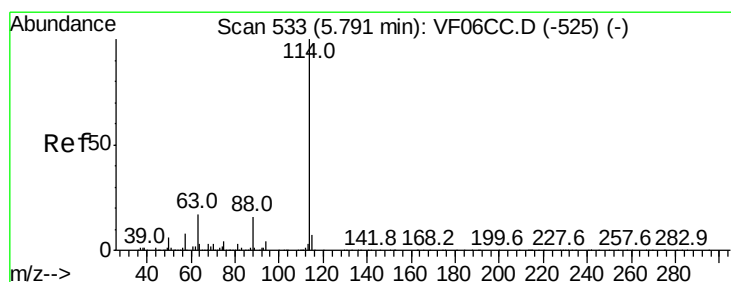
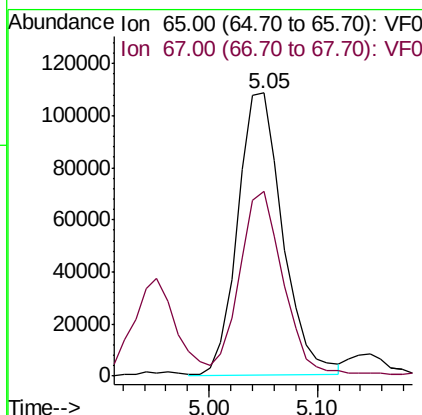
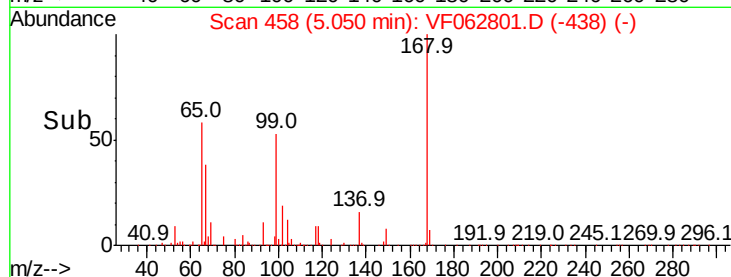
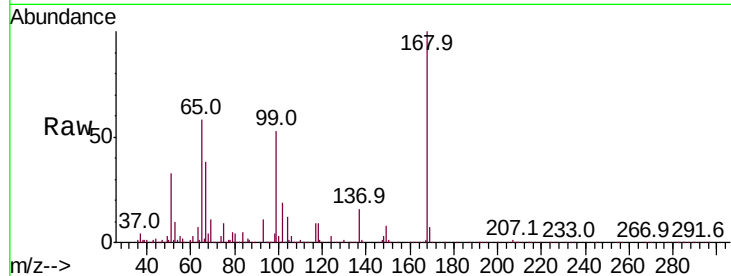
#33
 1,2-Dichloroethane-d4
 Concen: 49.302 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 314067
 Ion Ratio Lower Upper
 65 100
 67 65.3 0.0 121.2

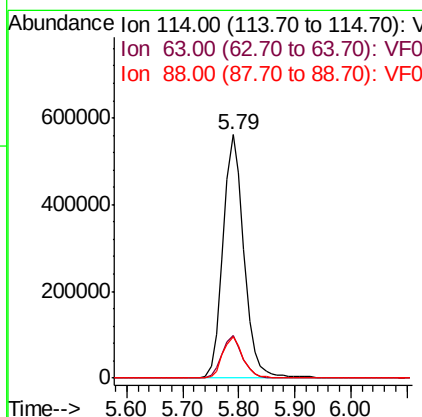
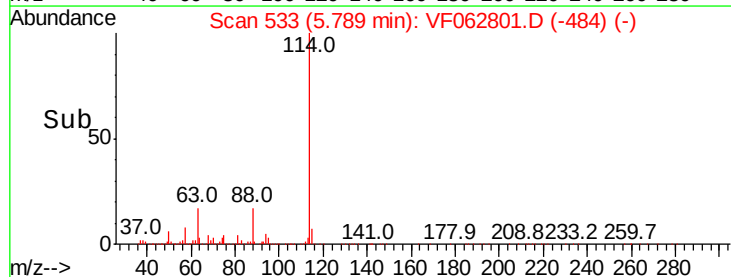
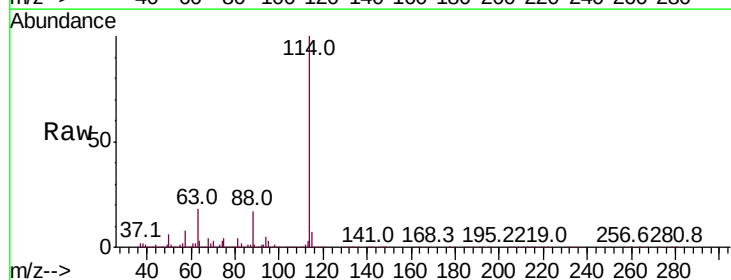
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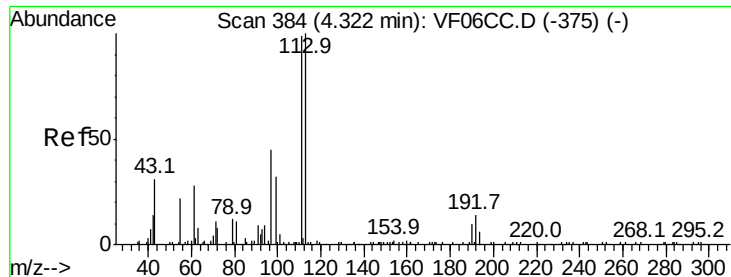
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 6/4/2019 8:45:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Tgt Ion: 114 Resp: 1470430
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.2
 88 16.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.122 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.01 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

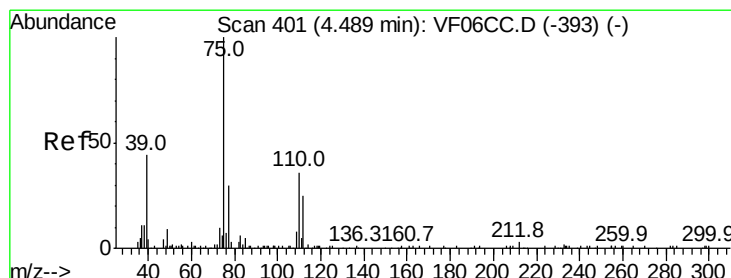
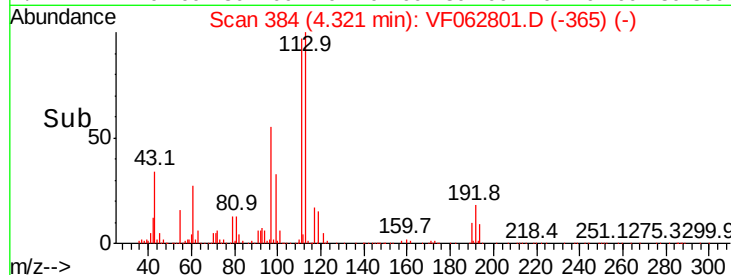
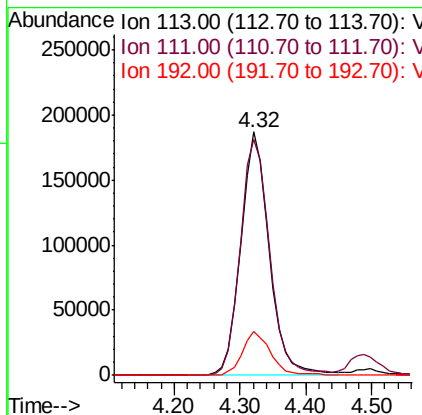
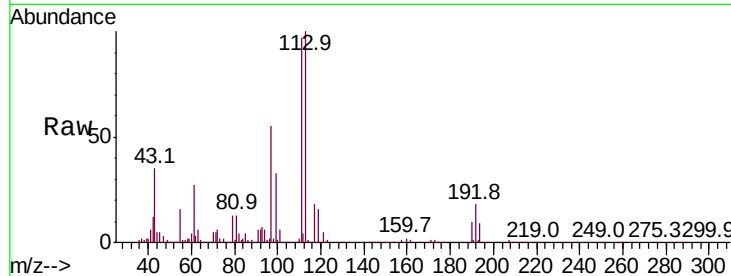
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	568039
Ion Ratio	Lower	Upper	
113	100		
111	97.0	81.9	122.9
192	18.2	15.1	22.7

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#36

1,1-Dichloropropene

Concen: 51.500 ug/l

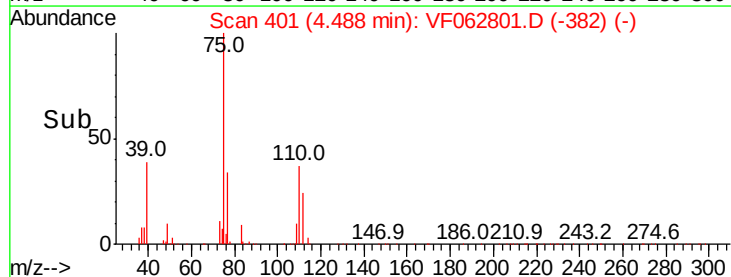
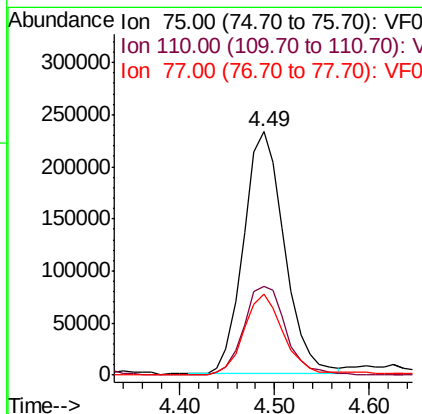
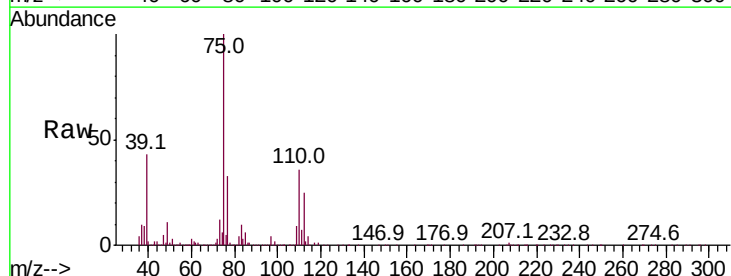
RT: 4.49 min Scan# 401

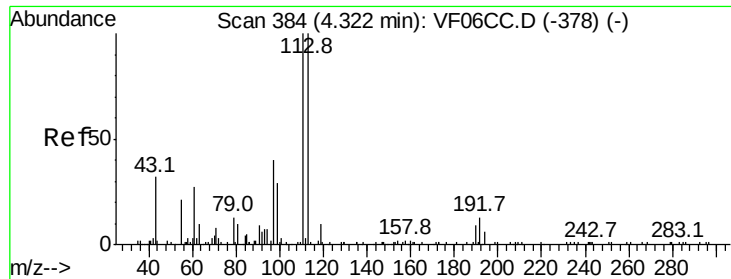
Delta R.T. -0.01 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tgt Ion:	75	Resp:	697132
Ion Ratio	Lower	Upper	
75	100		
110	36.3	19.4	58.1
77	33.2	25.4	38.2





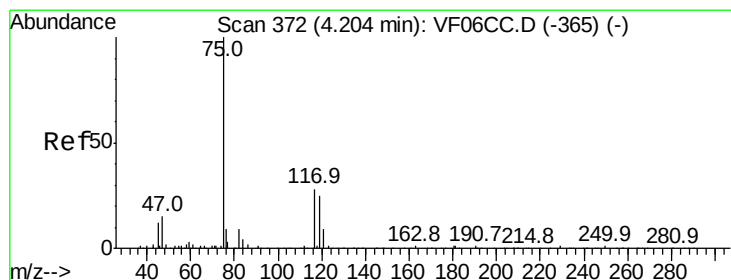
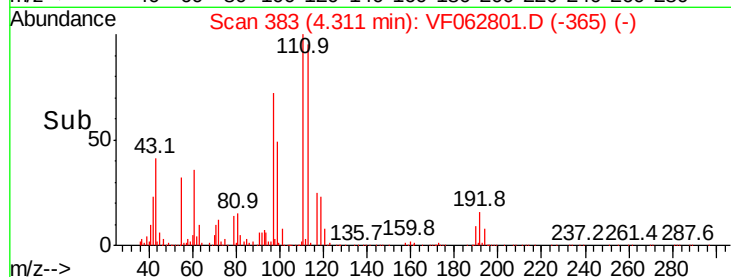
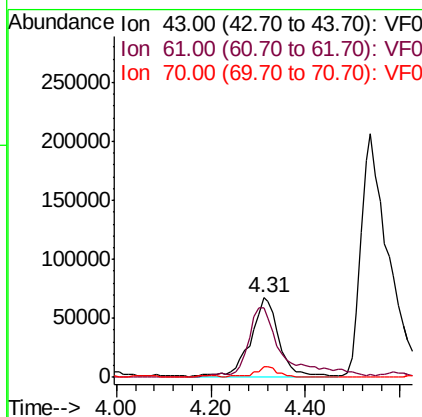
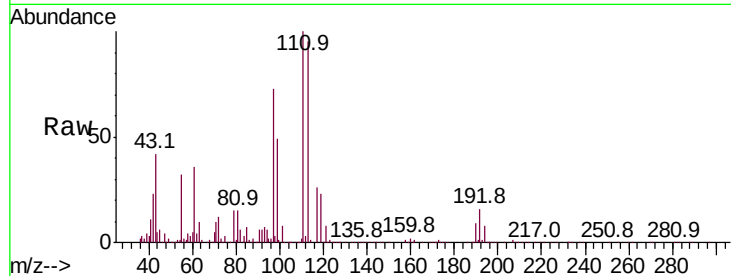
#37
Ethyl Acetate
Concen: 53.485 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.02 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	86.5	59.1	88.7
70	12.7	10.1	15.1

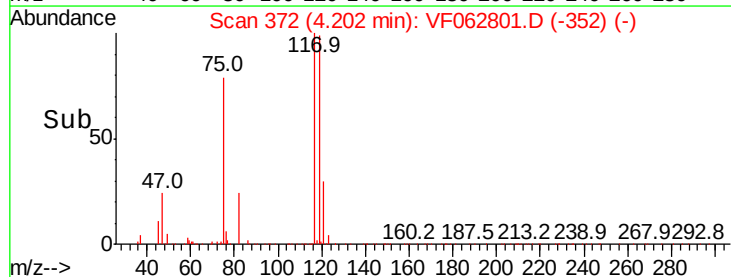
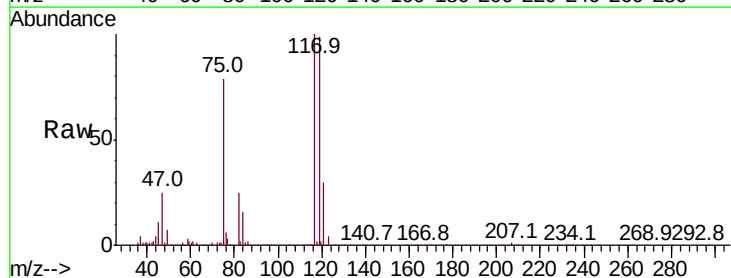
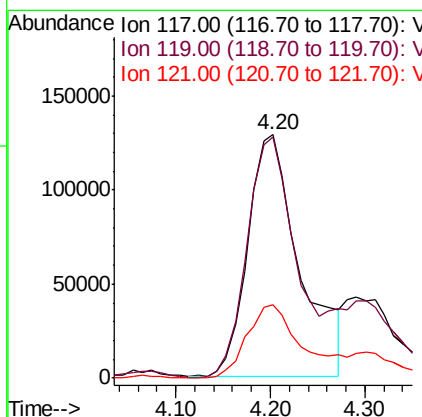
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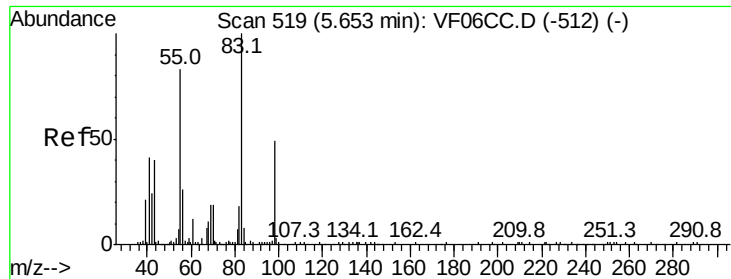
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#38
Carbon Tetrachloride
Concen: 54.202 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	78.2	117.2
121	30.0	28.2	42.2





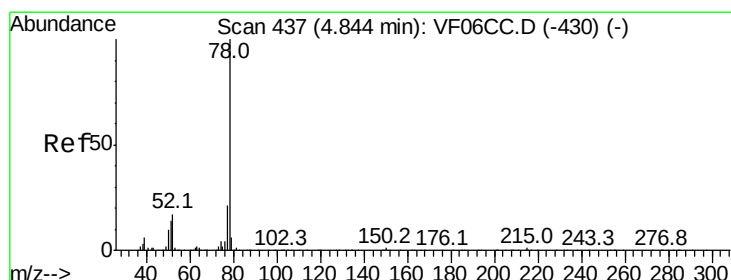
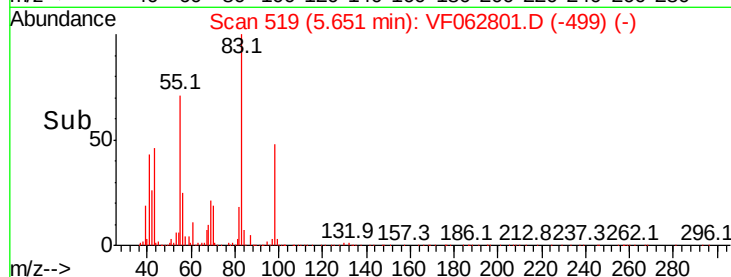
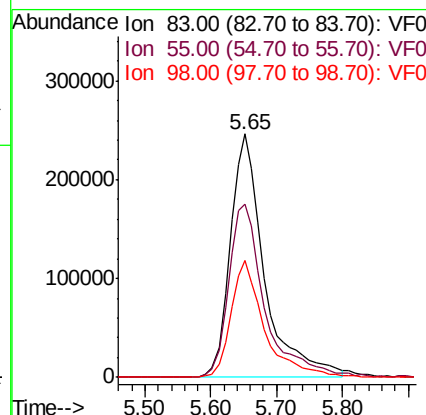
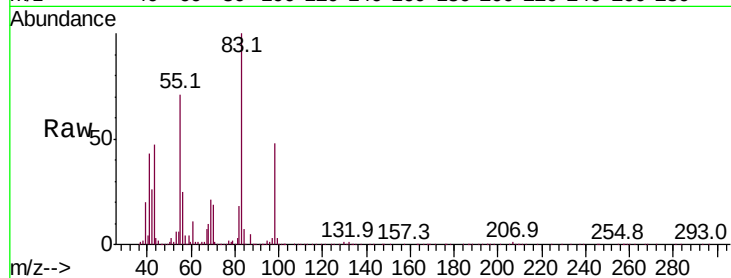
#39
Methylcyclohexane
Concen: 53.000 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	61.6	92.4
98	48.0	37.4	56.2

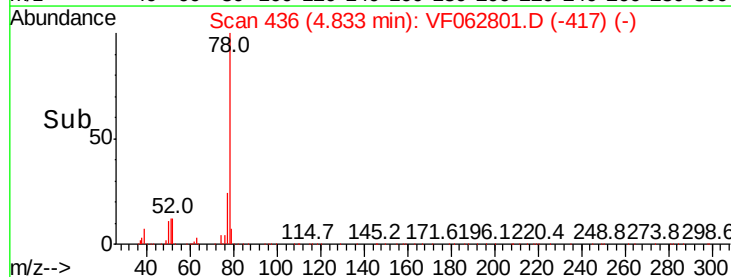
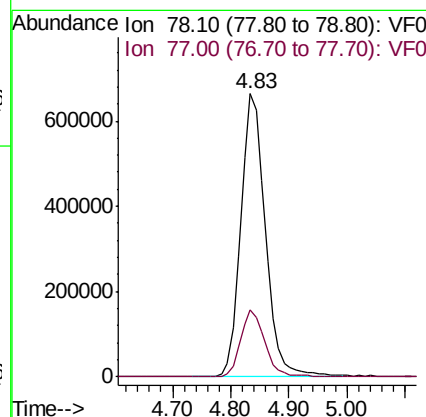
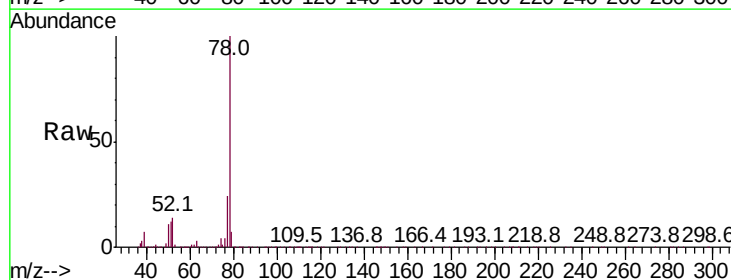
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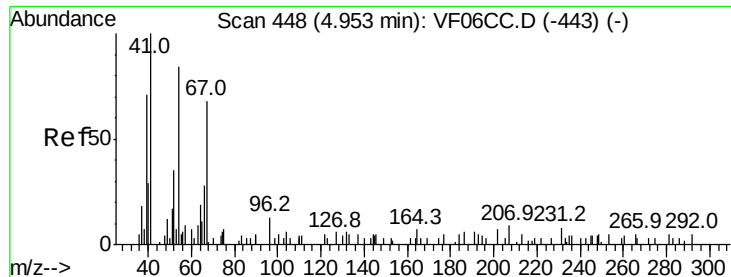
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#40
Benzene
Concen: 49.543 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3





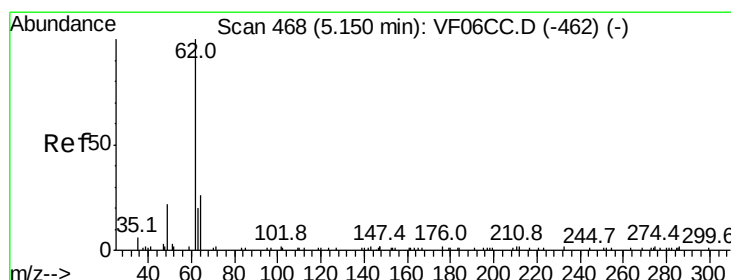
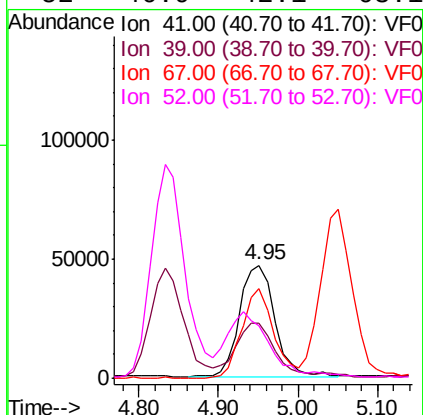
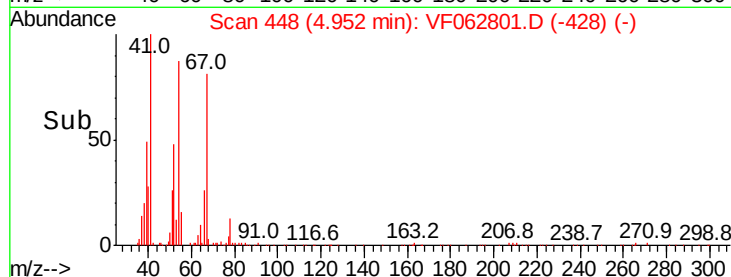
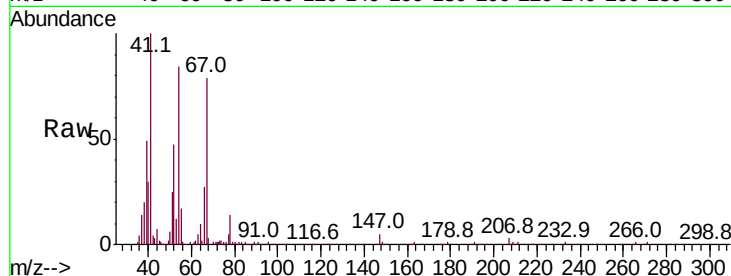
#41
Methacrylonitrile
Concen: 49.772 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.1	42.0	63.0
67	79.2	61.4	92.0
52	46.9	42.1	63.1

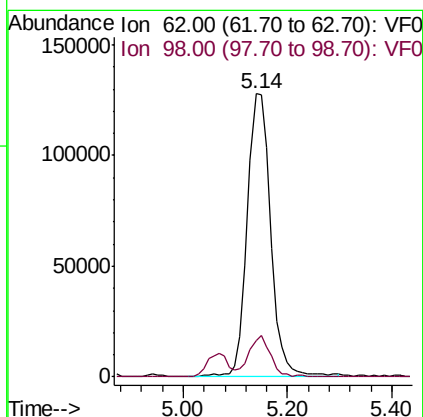
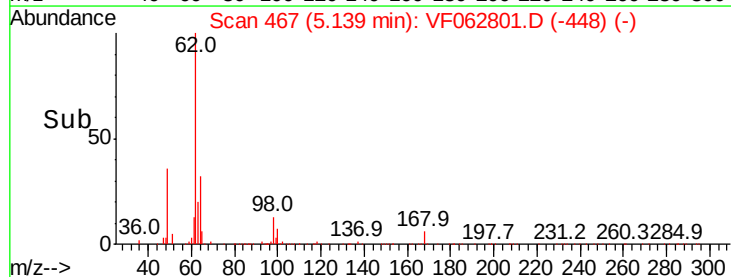
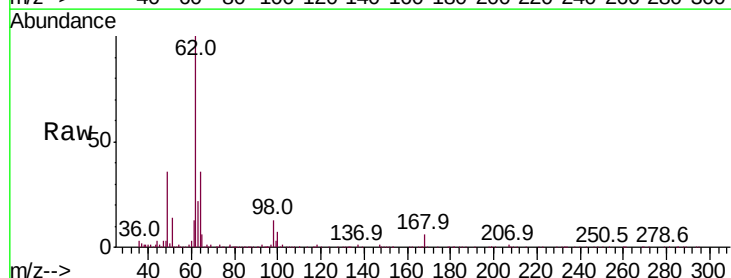
Manual Integrations
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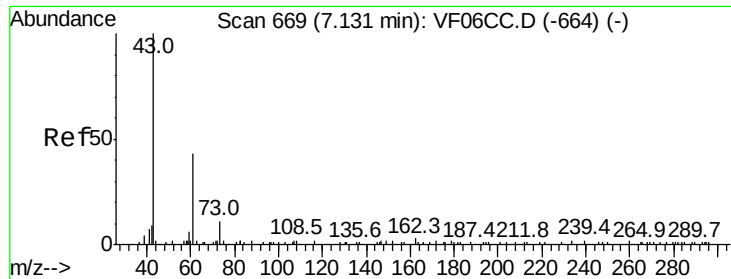
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#42
1,2-Dichloroethane
Concen: 51.956 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.8	0.0	24.0





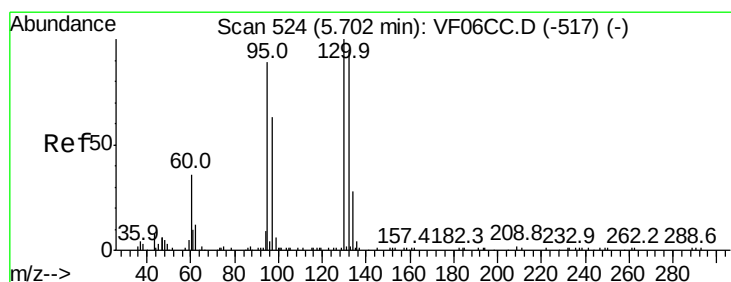
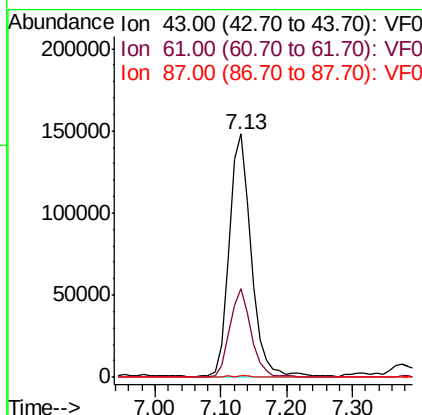
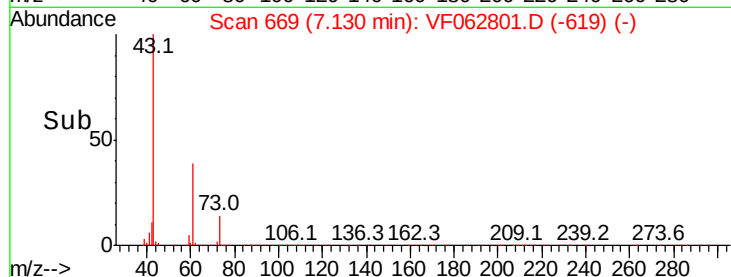
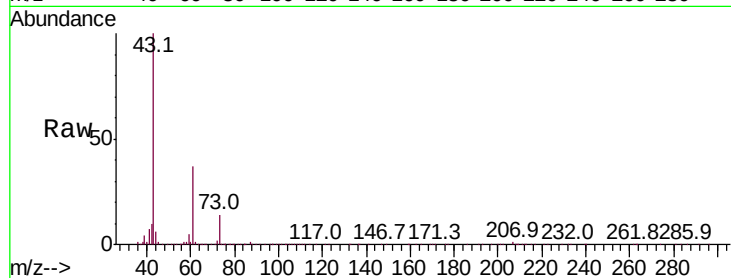
#43
Isopropyl Acetate
Concen: 50.760 ug/l
RT: 7.13 min Scan# 669
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.6	29.8	44.6
87	0.6	0.3	0.5

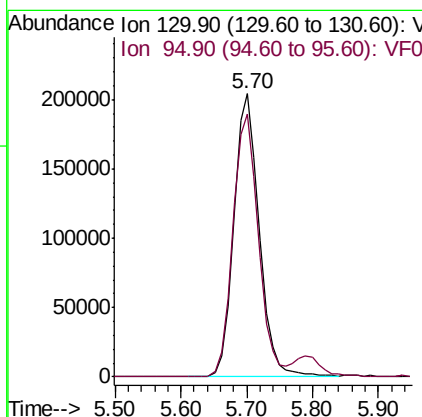
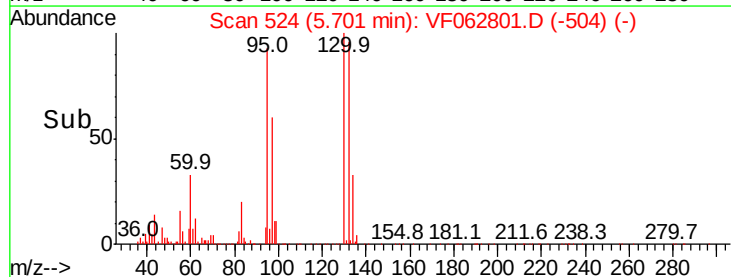
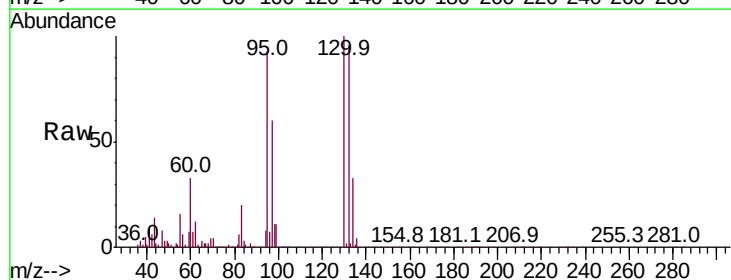
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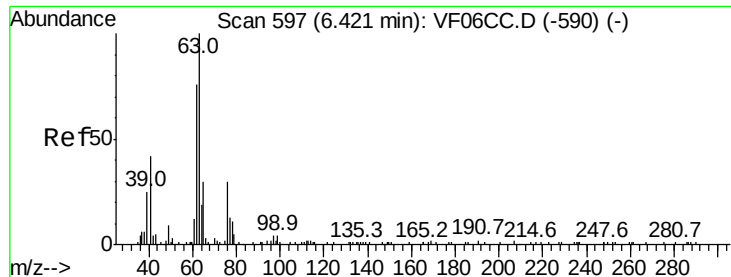
MMDadoda
6/4/2019 8:45:20 AM



#44
Trichloroethene
Concen: 49.596 ug/l
RT: 5.70 min Scan# 524
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	188.2





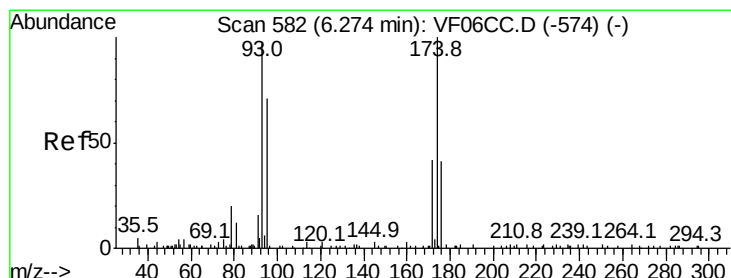
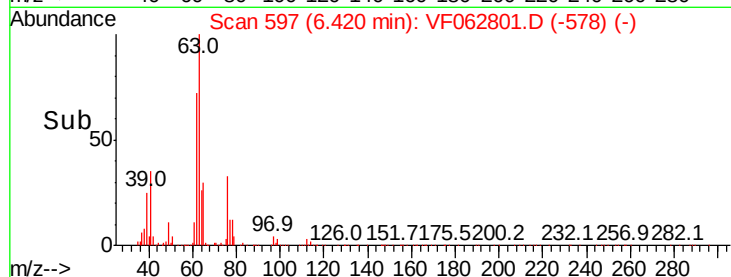
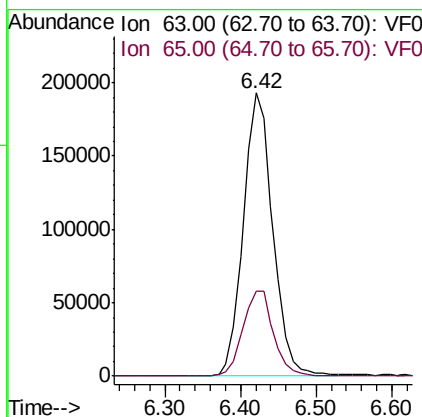
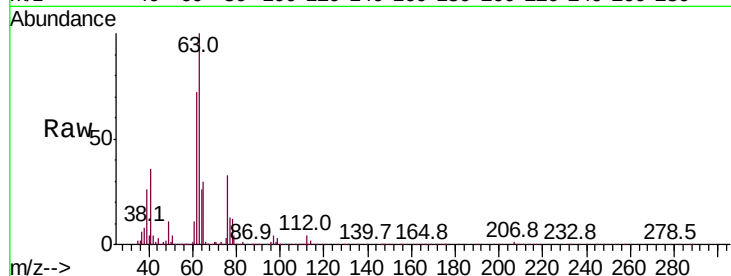
#45
 1,2-Dichloropropane
 Concen: 52.804 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. -0.01 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.2	36.2

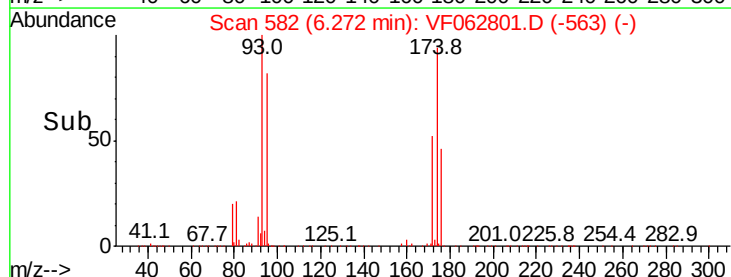
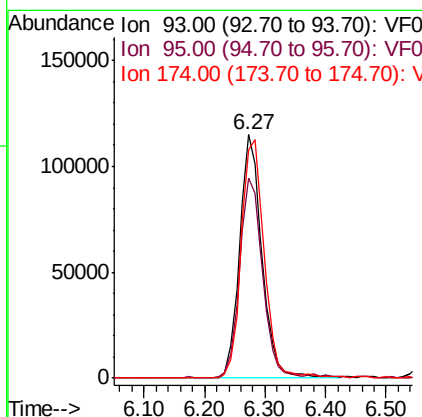
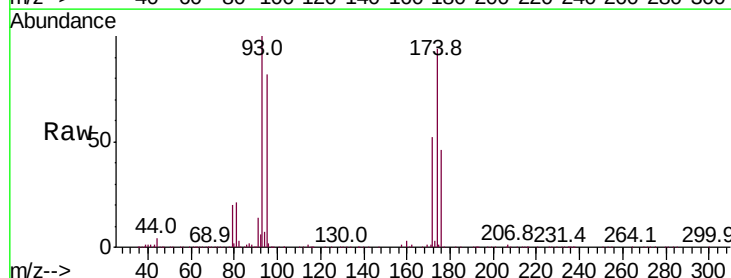
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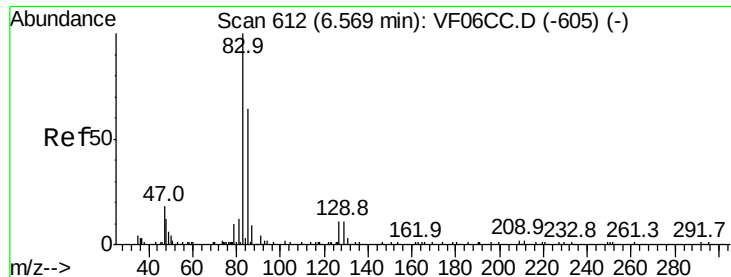
MMDadoda
 6/4/2019 8:45:20 AM



#46
 Dibromomethane
 Concen: 51.069 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	67.9	101.9
174	94.0	85.0	127.4





#47

Bromodichloromethane

Concen: 52.428 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062801.D

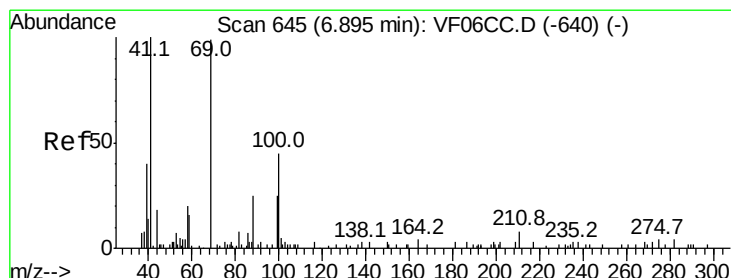
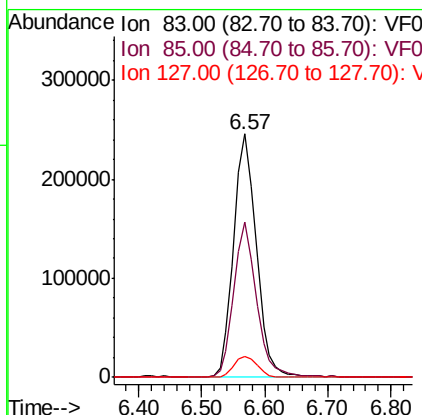
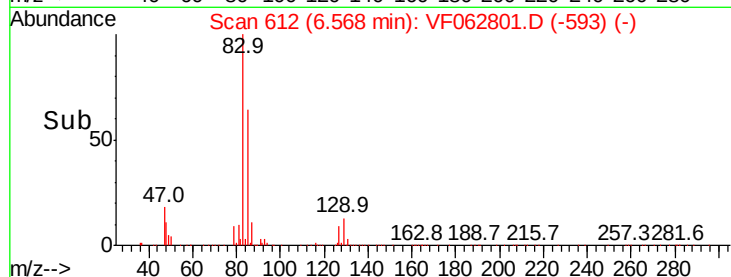
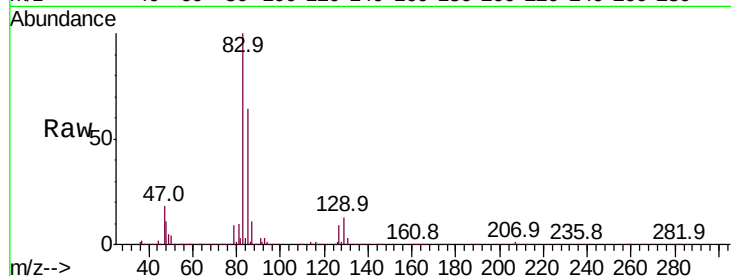
Acq: 31 May 2019 10:49

Tot Ion:	83	Resp:	616304
Ion	Ratio	Lower	Upper
83	100		
85	64.0	54.2	81.4
127	8.8	7.0	10.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
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MMDadoda
6/4/2019 8:45:20 AM



#48

Methyl methacrylate

Concen: 53.838 ug/l

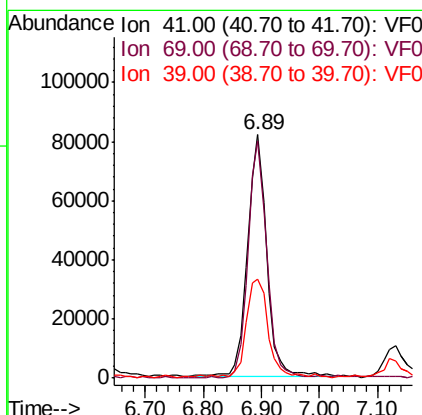
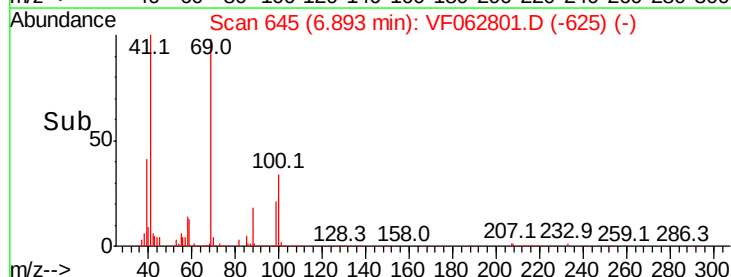
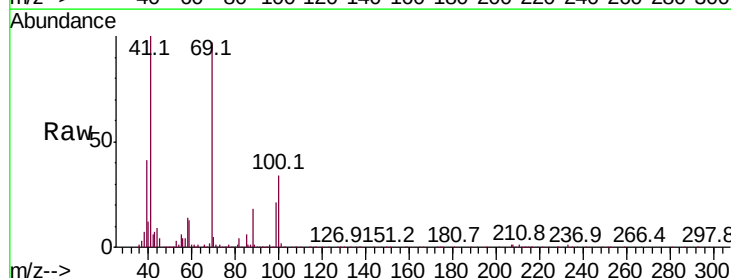
RT: 6.89 min Scan# 645

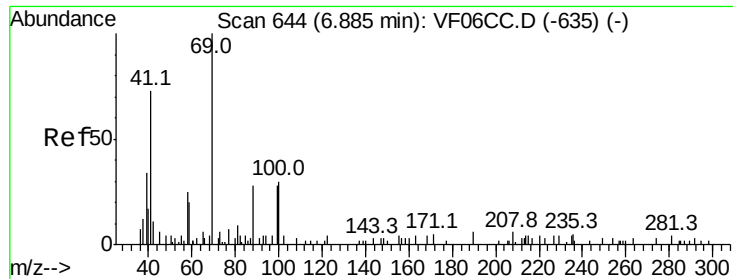
Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tgt Ion:	41	Resp:	189663
Ion	Ratio	Lower	Upper
41	100		
69	97.5	79.4	119.2
39	40.8	39.8	59.6





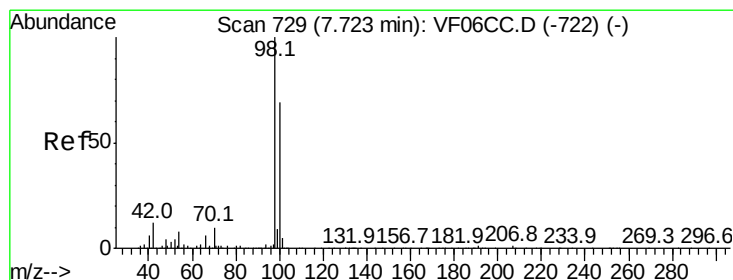
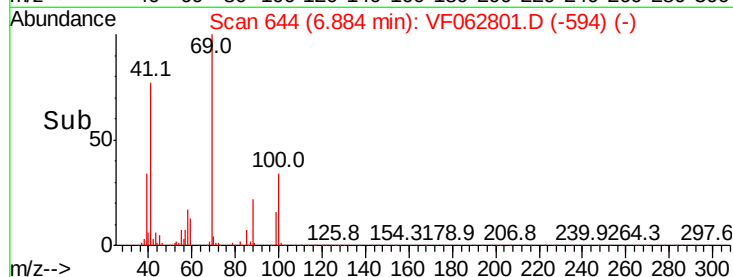
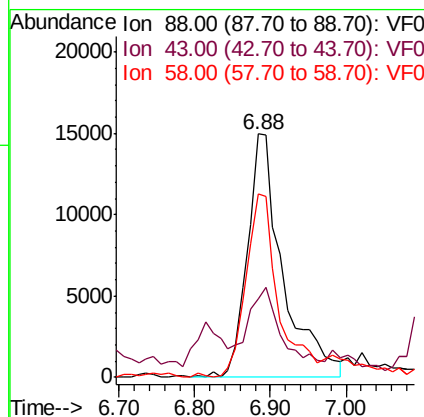
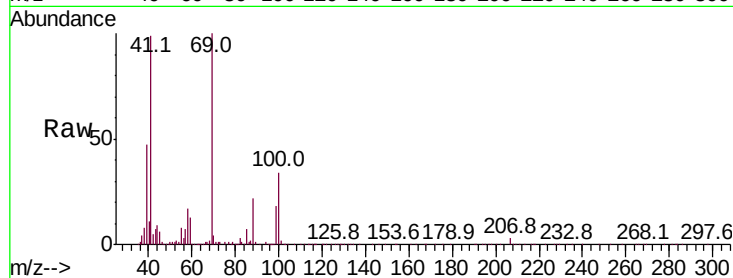
#49
1,4-Dioxane
Concen: 1054.714 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	34.8	52.2#
58	75.5	59.9	89.9

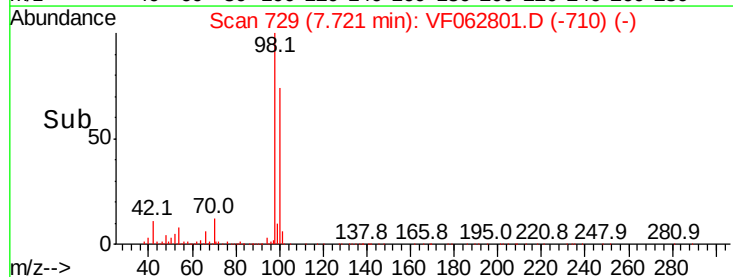
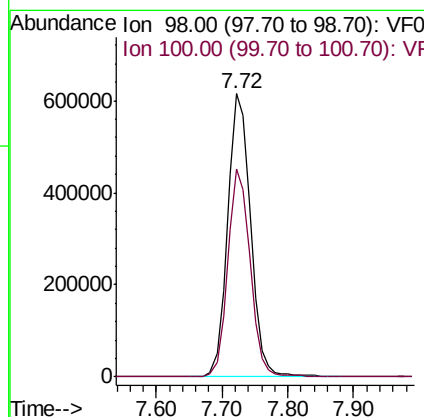
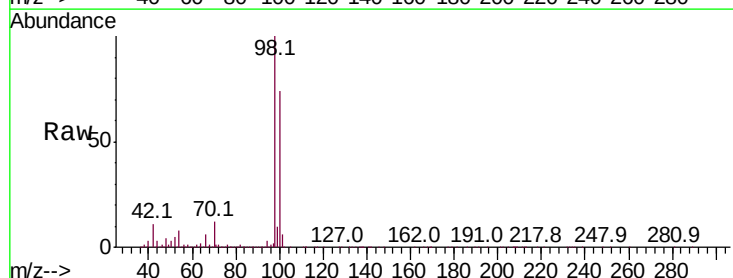
Manual Integrations
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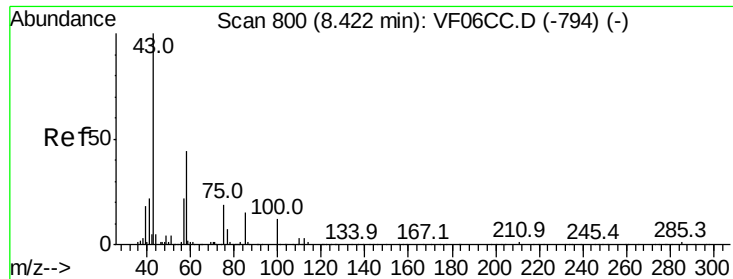
MMDadoda
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#50
Toluene-d8
Concen: 53.722 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.5	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 268.061 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1308208

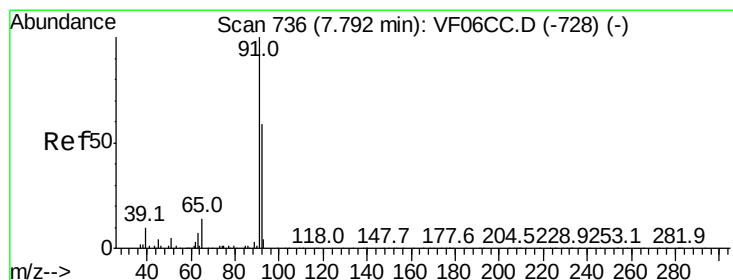
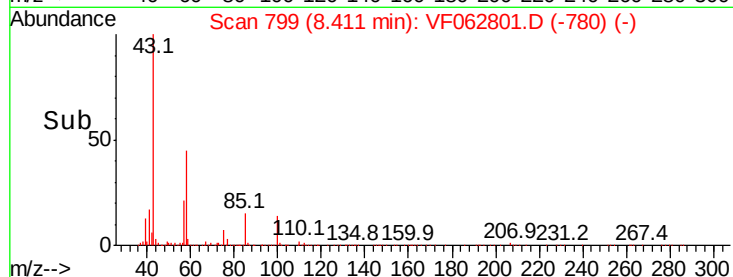
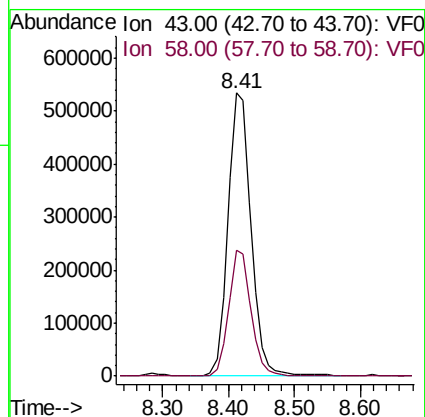
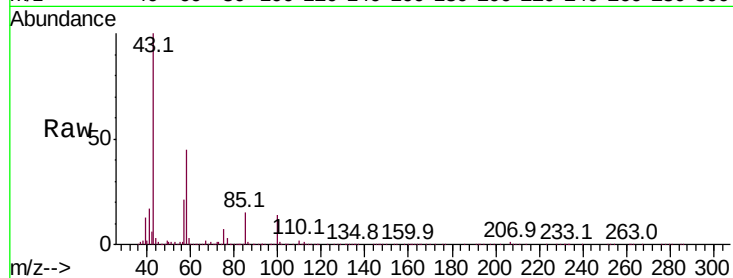
Ion Ratio Lower Upper

43 100

58 44.5 35.5 53.3

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#52

Toluene

Concen: 55.480 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF062801.D

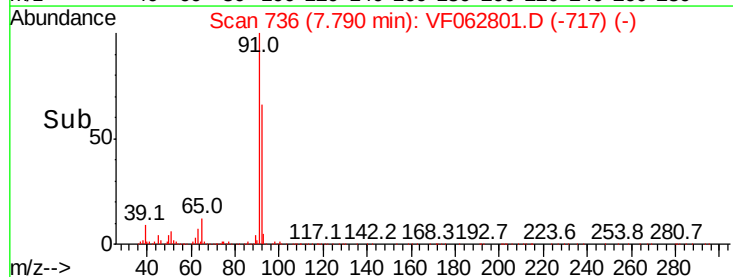
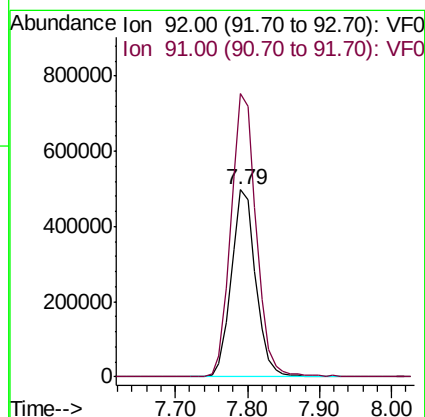
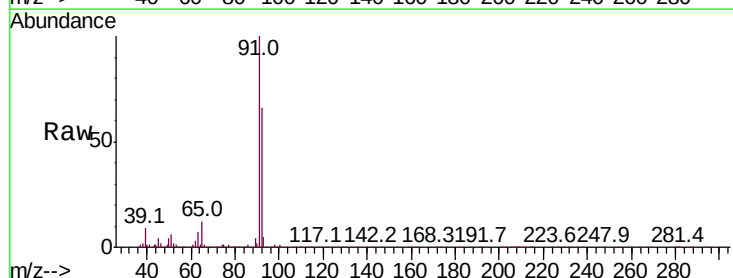
Acq: 31 May 2019 10:49

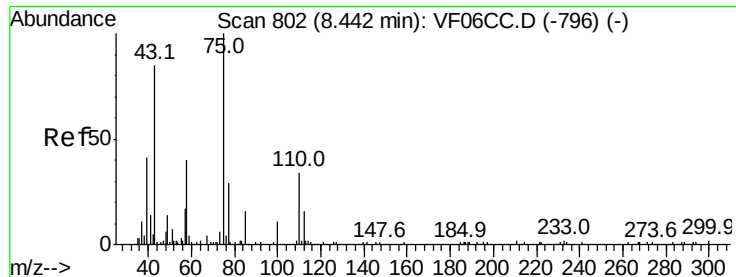
Tgt Ion: 92 Resp: 1177250

Ion Ratio Lower Upper

92 100

91 151.4 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 56.648 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 551810

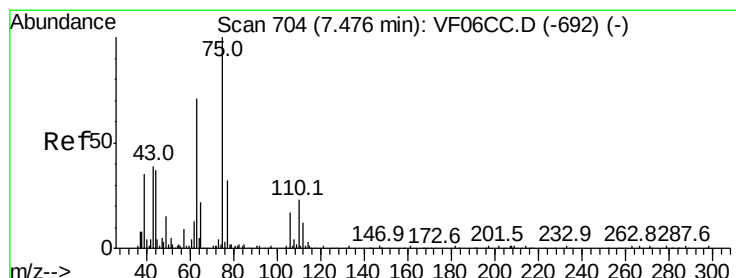
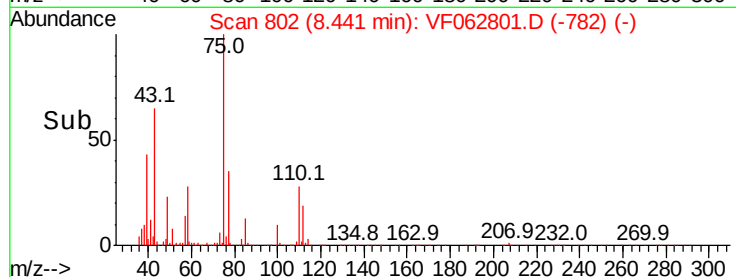
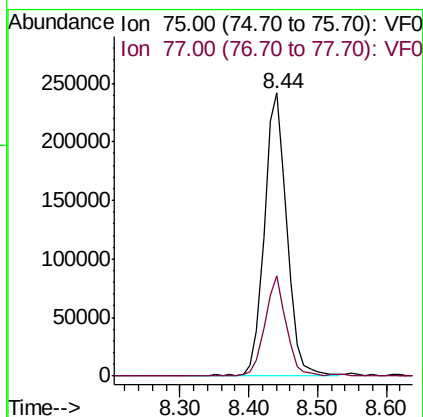
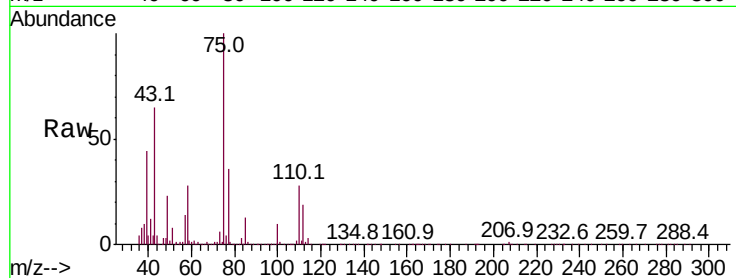
Ion Ratio Lower Upper

75 100

77 35.5 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 49.007 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

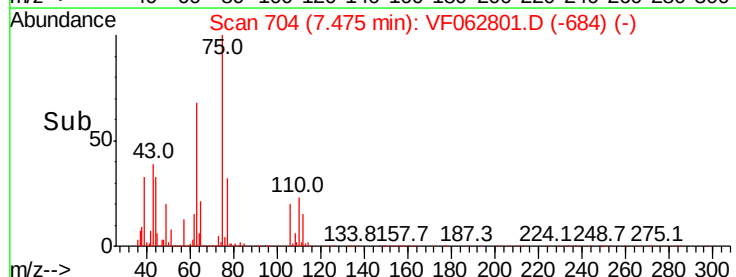
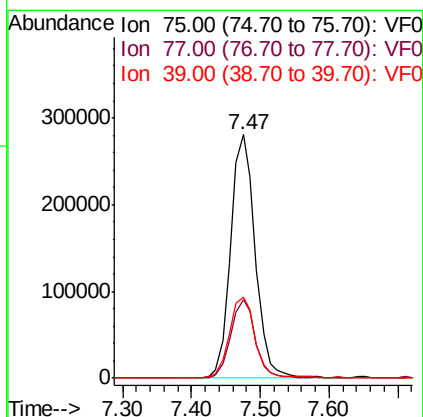
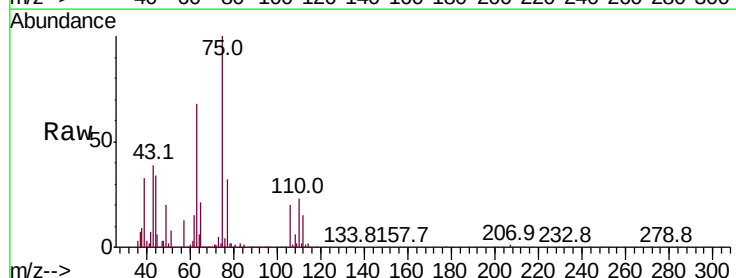
Tgt Ion: 75 Resp: 691017

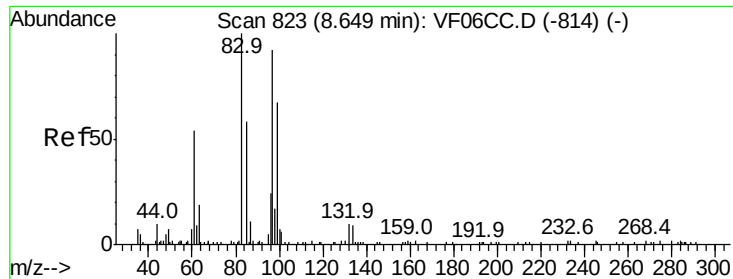
Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8

39 33.2 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 54.982 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

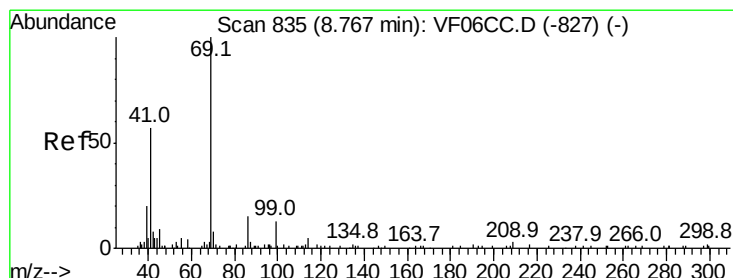
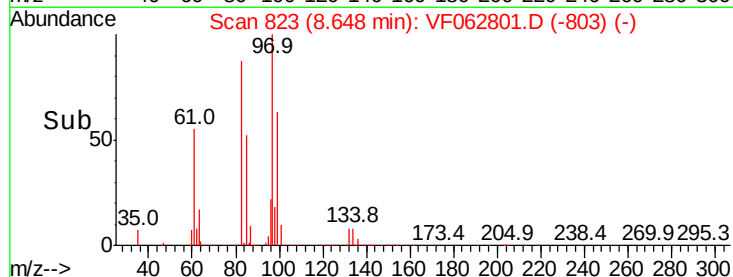
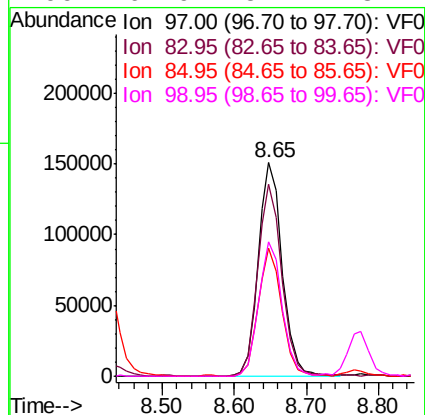
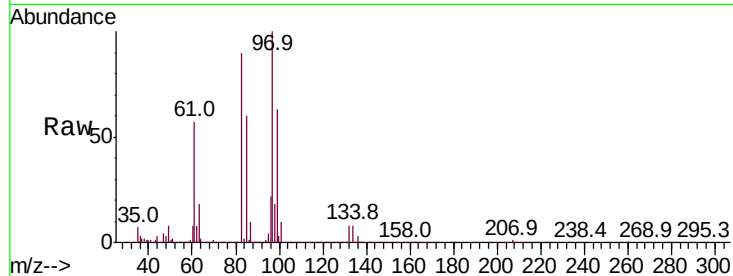
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	348544
Ion	Ratio	Lower	Upper
97	100		
83	90.0	72.0	108.0
85	60.2	47.5	71.3
99	62.9	54.1	81.1

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#56

Ethyl methacrylate

Concen: 58.564 ug/l

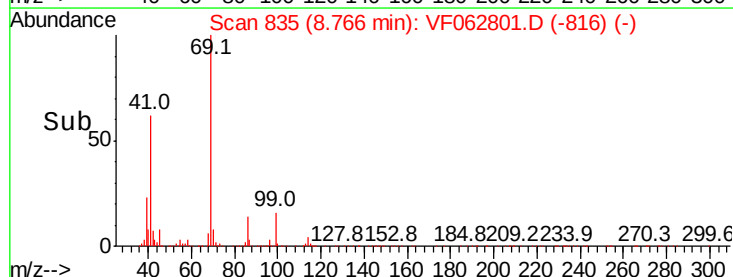
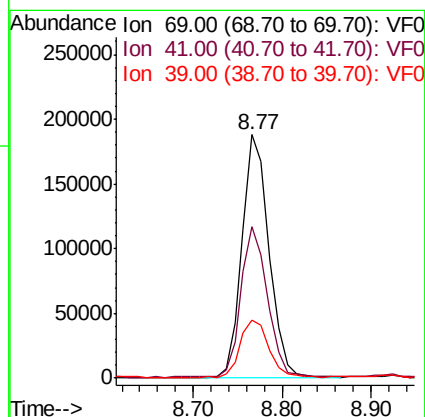
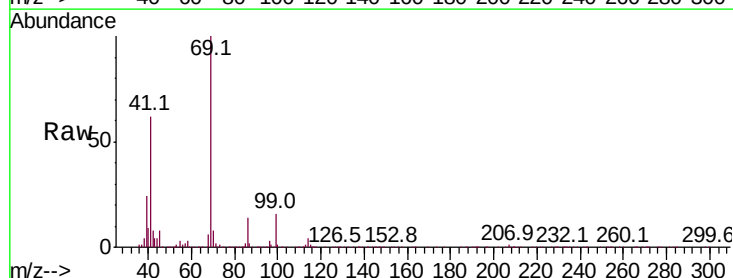
RT: 8.77 min Scan# 835

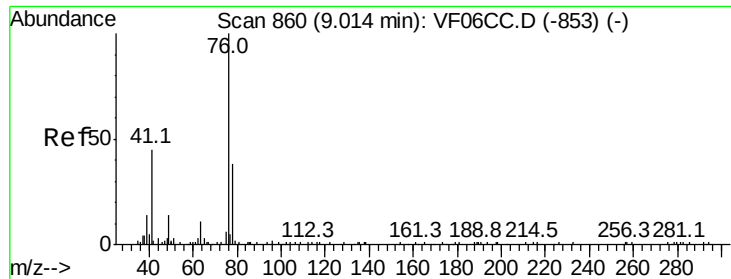
Delta R.T. -0.01 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tgt Ion:	69	Resp:	398347
Ion	Ratio	Lower	Upper
69	100		
41	62.3	46.6	69.8
39	23.9	19.6	29.4





#57

1,3-Dichloropropane

Concen: 55.625 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF062801.D

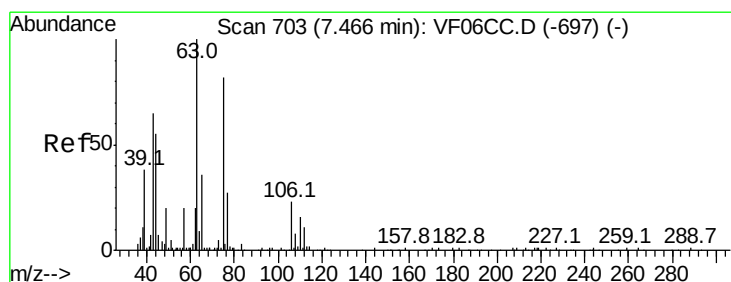
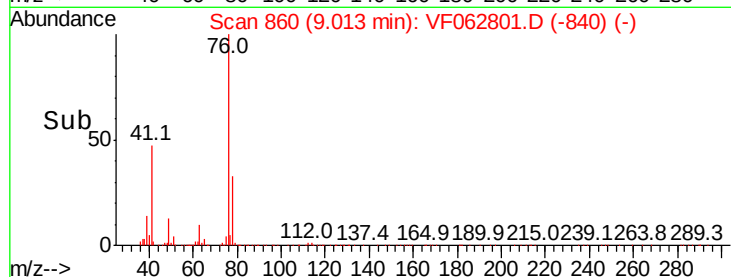
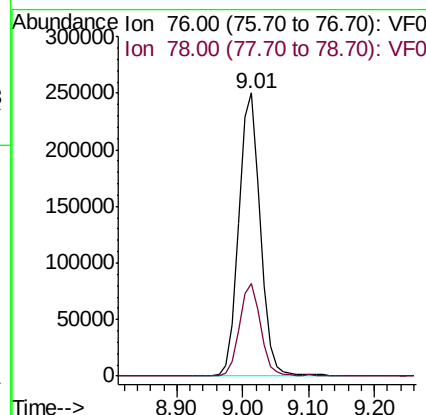
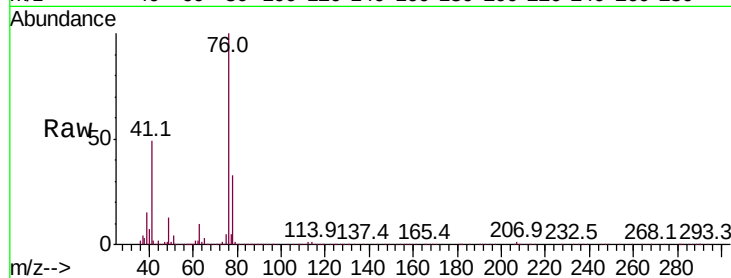
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.8	40.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 243.874 ug/l

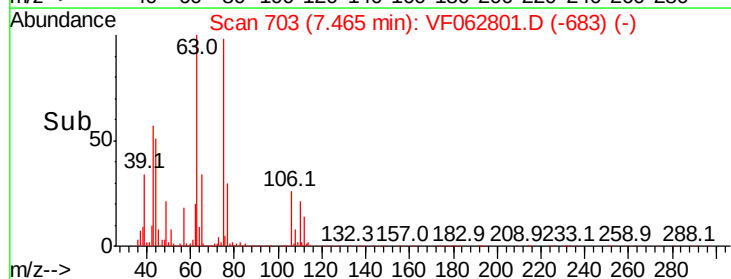
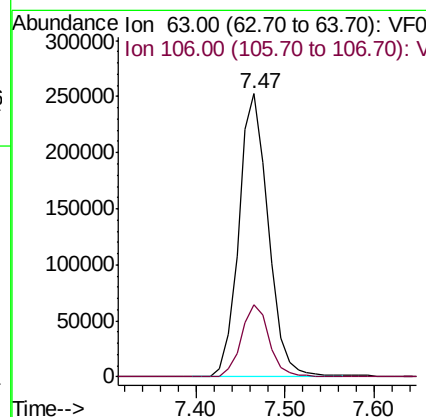
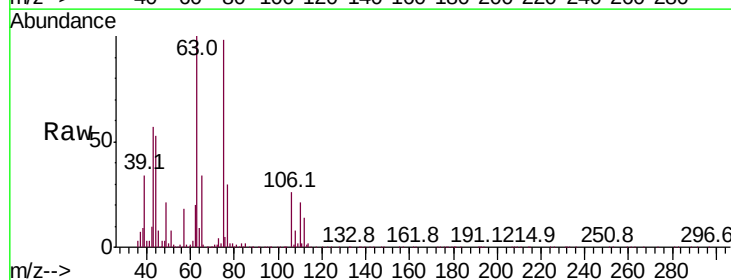
RT: 7.47 min Scan# 703

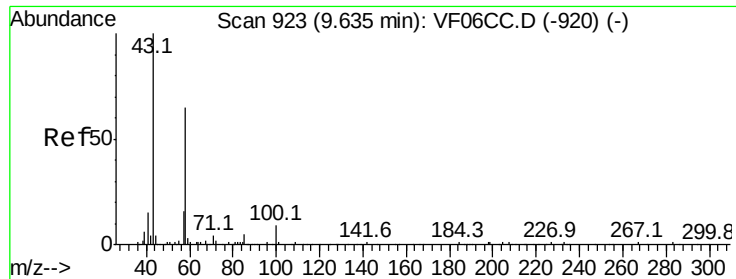
Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.6	19.5	29.3





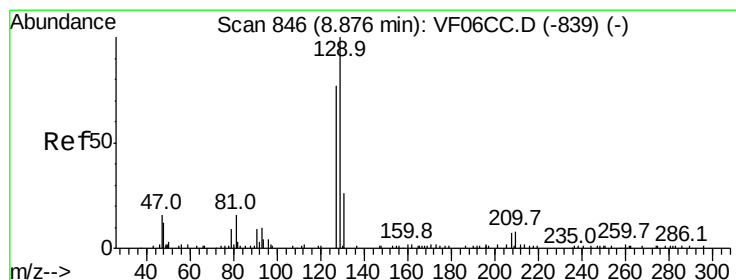
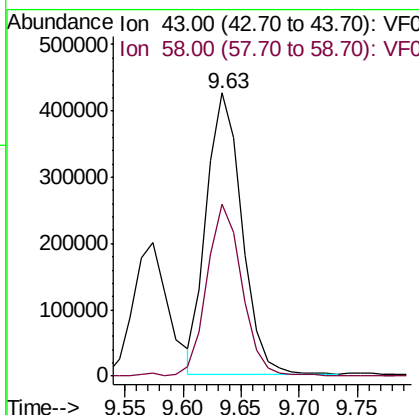
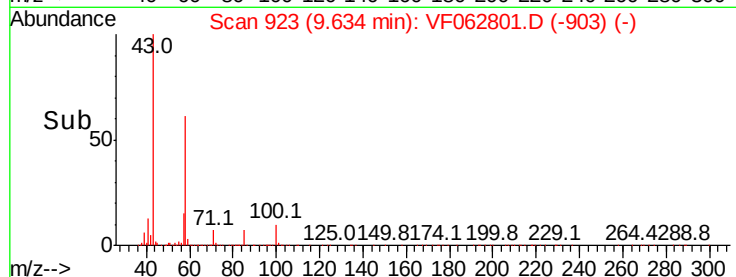
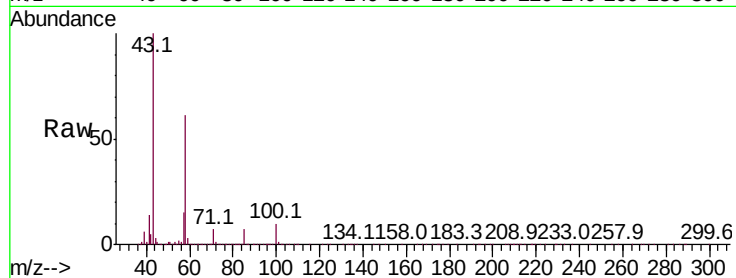
#59
2-Hexanone
Concen: 258.222 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.8	29.3	87.9

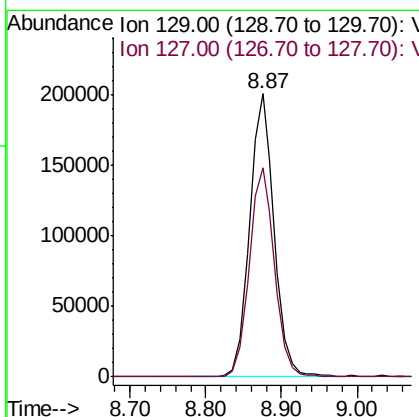
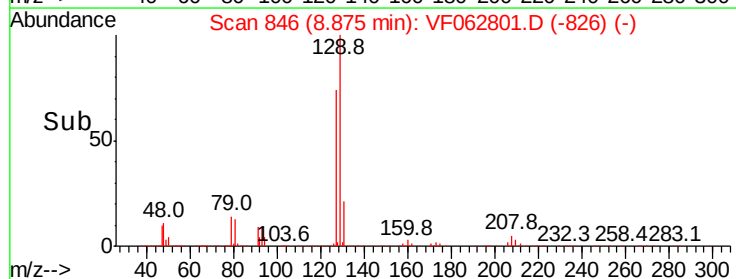
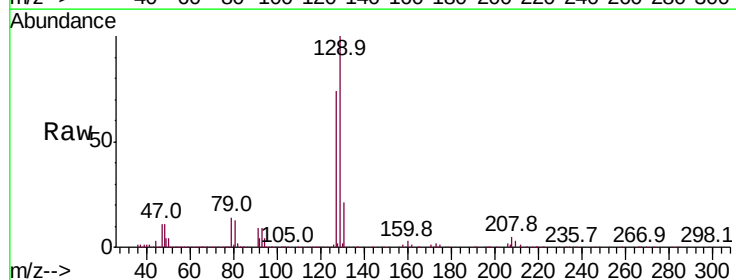
Manual Integrations
APPROVED

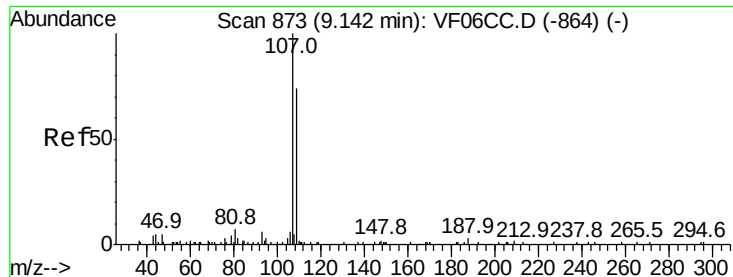
MMDadoda
6/4/2019 8:45:20 AM



#60
Dibromochloromethane
Concen: 57.455 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.9	37.1	111.3





#61

1,2-Dibromoethane

Concen: 55.245 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 363718

Ion Ratio Lower Upper

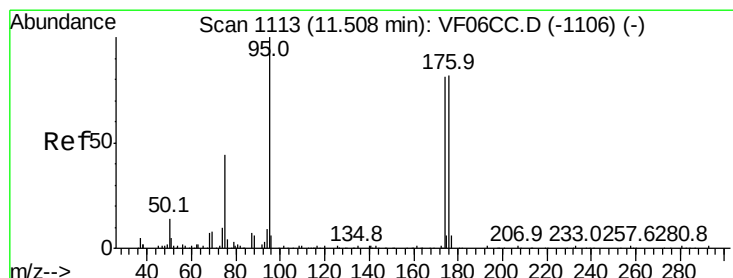
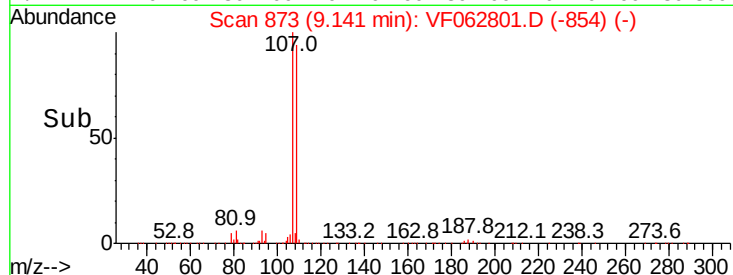
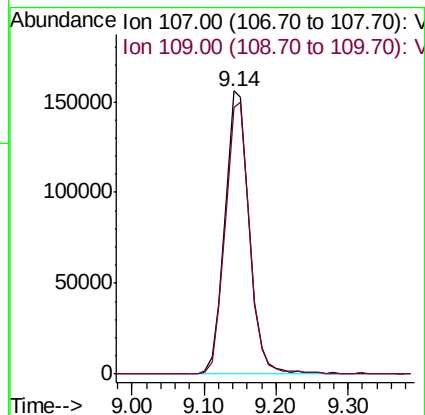
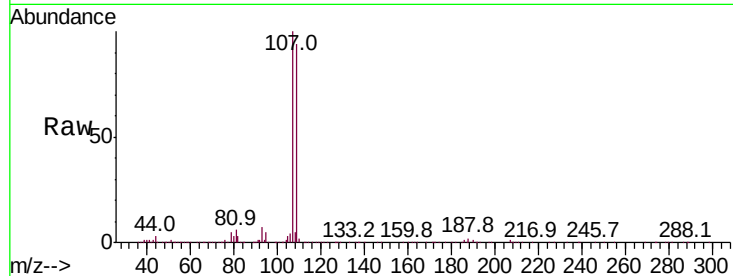
107 100

109 94.3 78.1 117.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 52.029 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

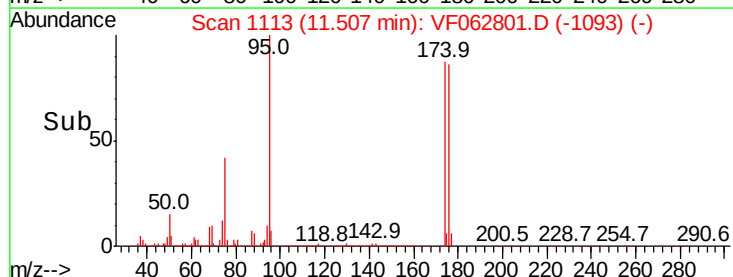
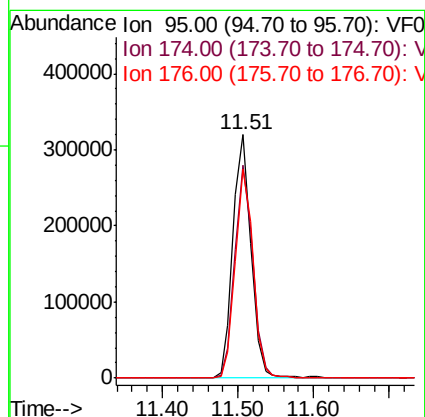
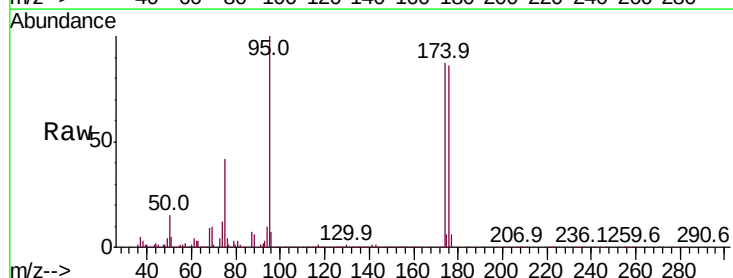
Tgt Ion: 95 Resp: 525871

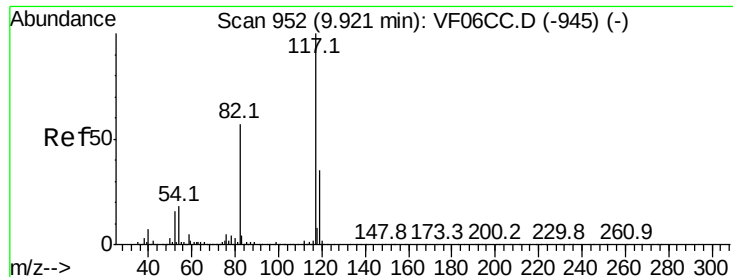
Ion Ratio Lower Upper

95 100

174 87.3 0.0 170.6

176 85.7 0.0 170.6





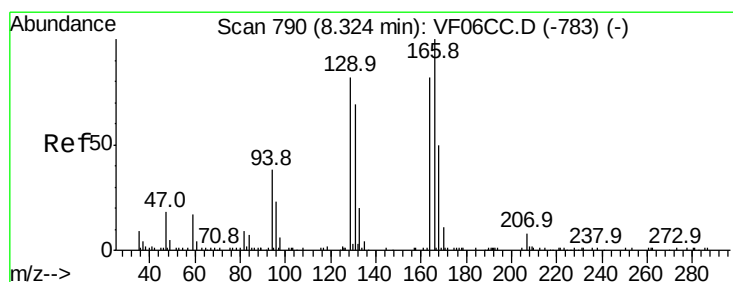
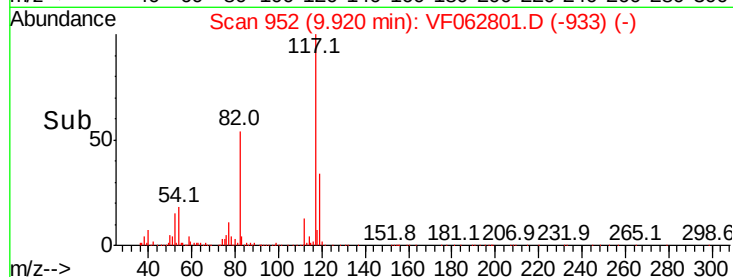
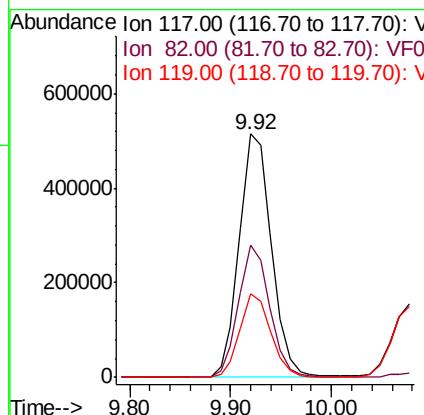
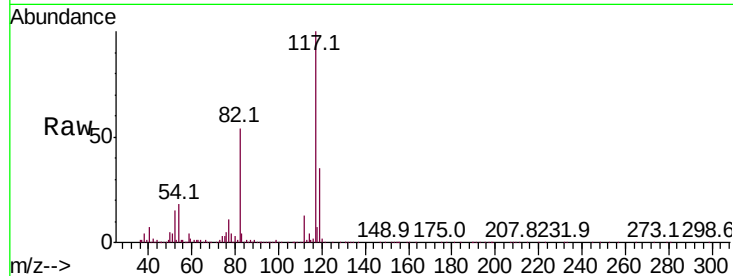
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.4	63.6
119	34.5	27.1	40.7

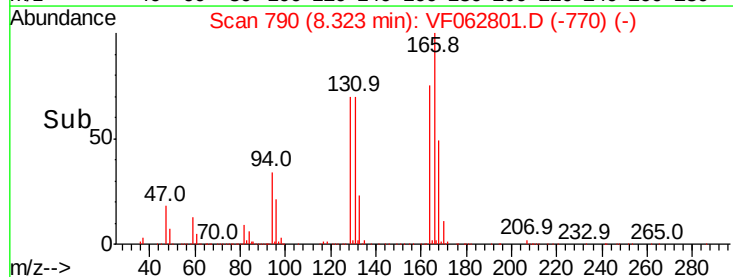
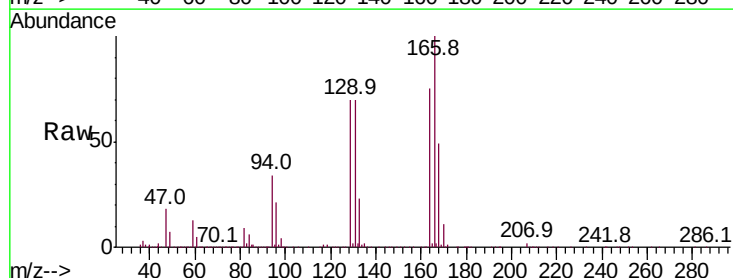
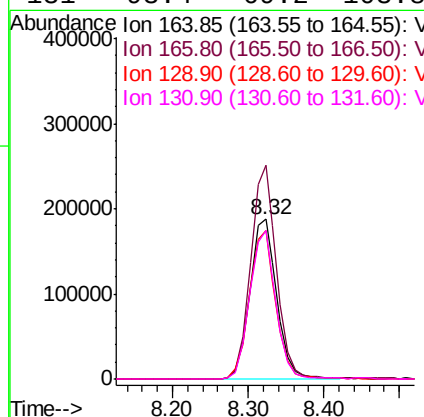
Manual Integrations
APPROVED

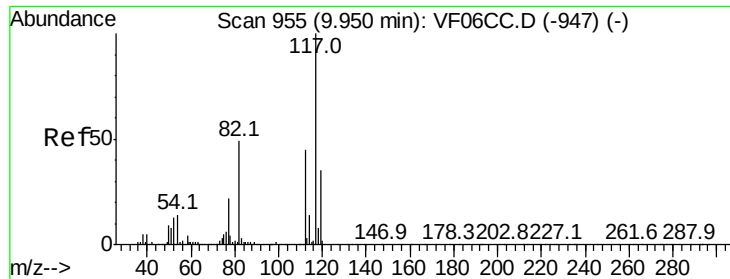
MMDadoda
6/4/2019 8:45:20 AM



#64
Tetrachloroethene
Concen: 52.216 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.8	99.1	148.7
129	93.2	69.5	104.3
131	93.4	69.2	103.8





#65

Chlorobenzene

Concen: 49.941 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1110899

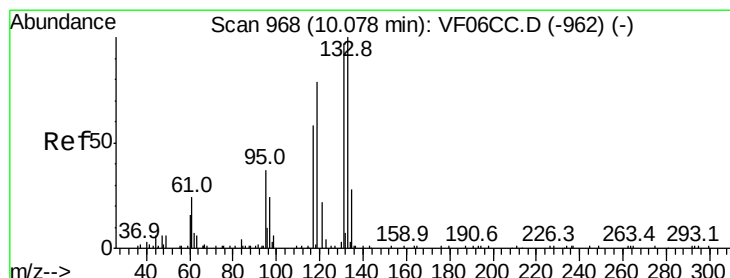
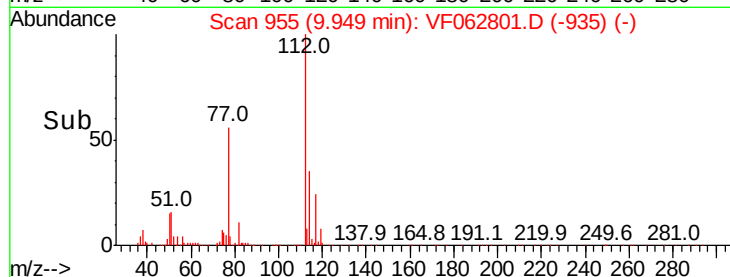
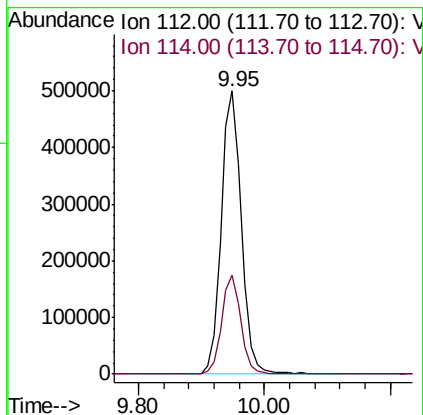
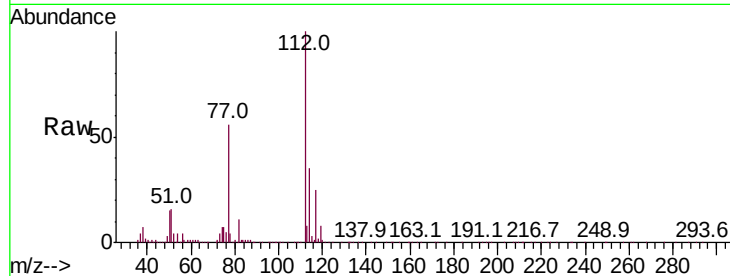
Ion Ratio Lower Upper

112 100

114 34.9 27.4 41.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 48.883 ug/l

RT: 10.08 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

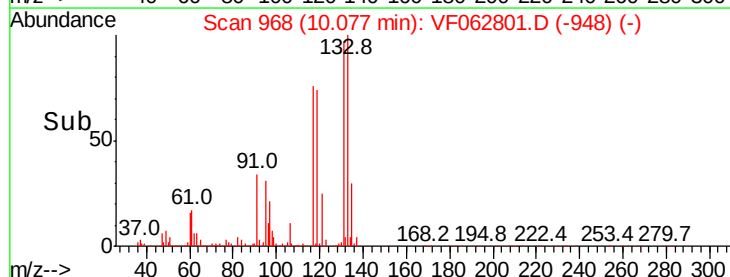
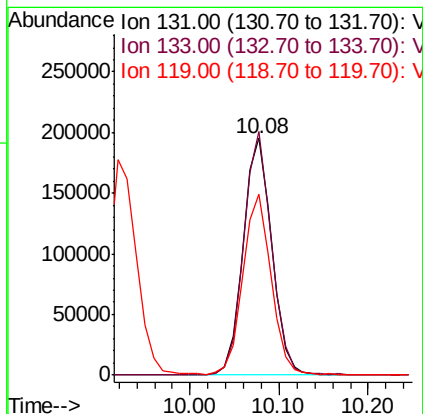
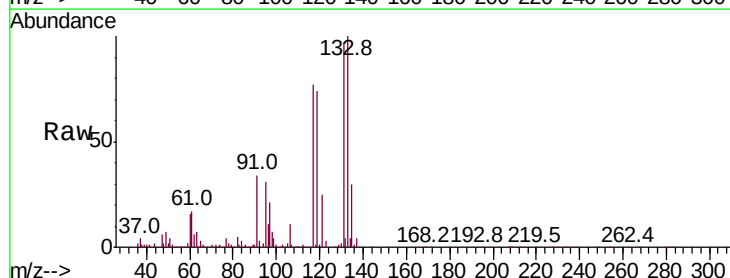
Tgt Ion:131 Resp: 433052

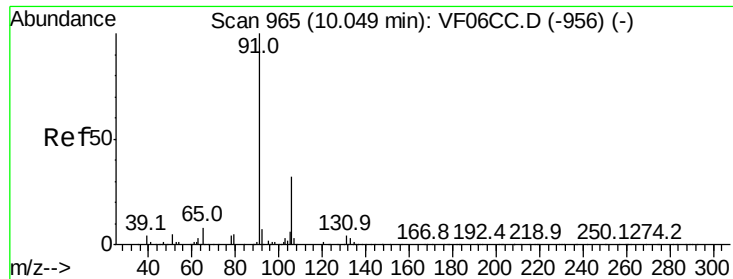
Ion Ratio Lower Upper

131 100

133 102.9 48.9 146.7

119 76.4 38.0 114.0





#67

Ethyl Benzene

Concen: 50.905 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1943165

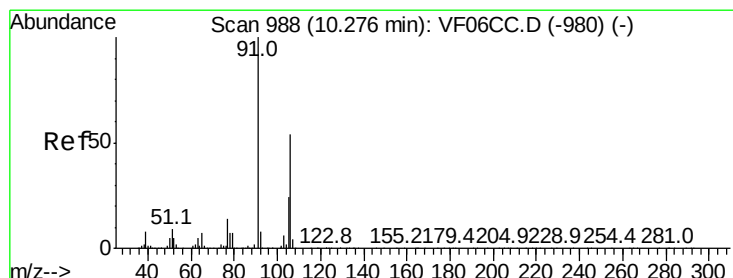
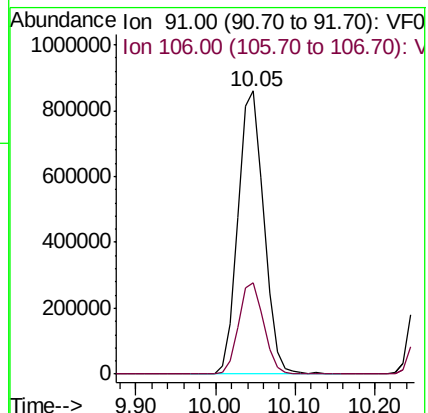
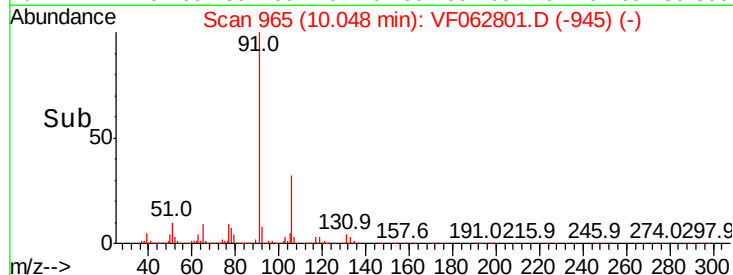
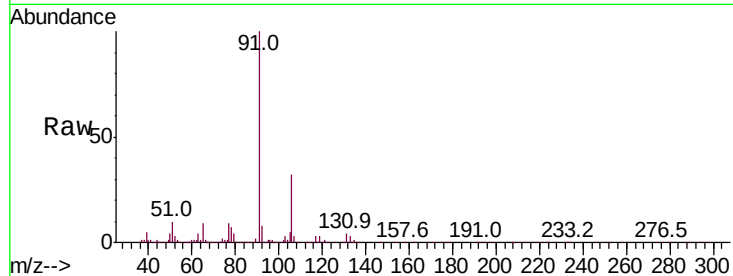
Ion Ratio Lower Upper

91 100

106 32.3 26.0 39.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 105.574 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062801.D

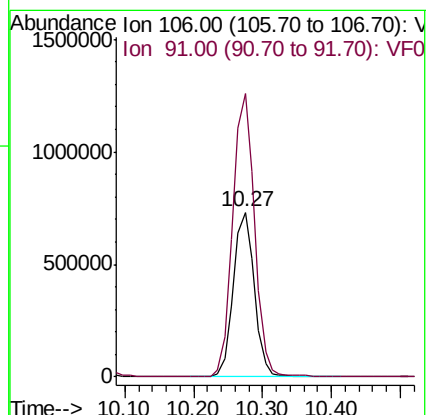
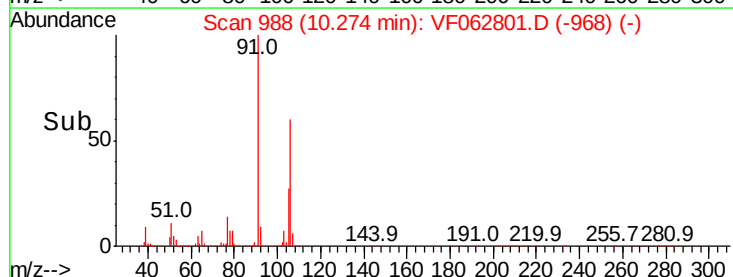
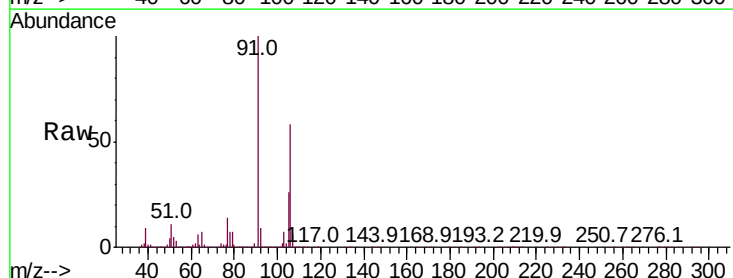
Acq: 31 May 2019 10:49

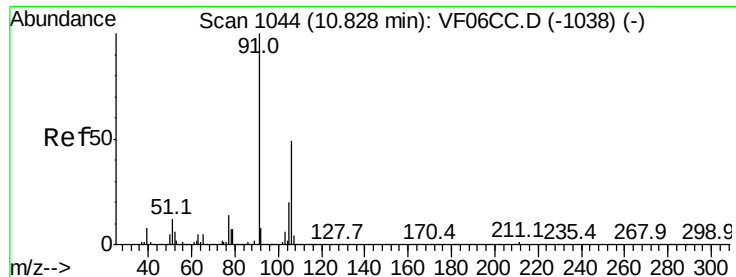
Tgt Ion:106 Resp: 1542131

Ion Ratio Lower Upper

106 100

91 171.7 136.2 204.4





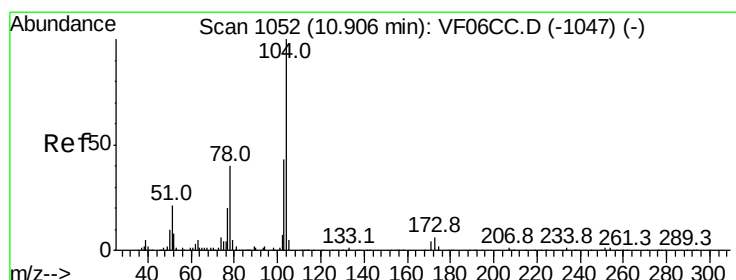
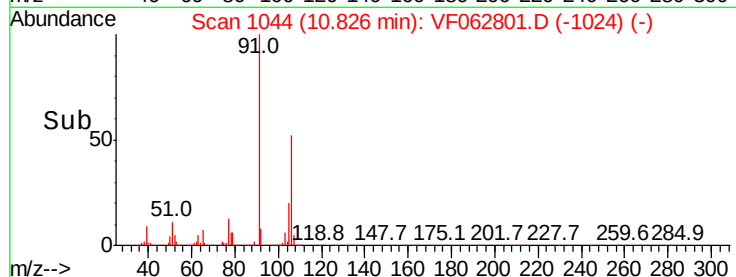
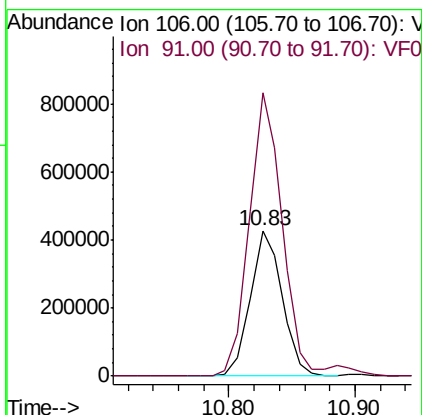
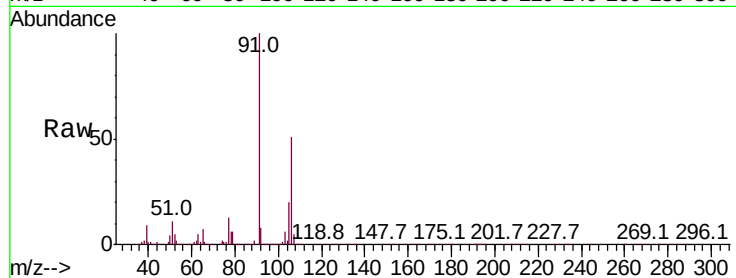
#69
o-Xylene
Concen: 50.877 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	194.2	96.6	289.8

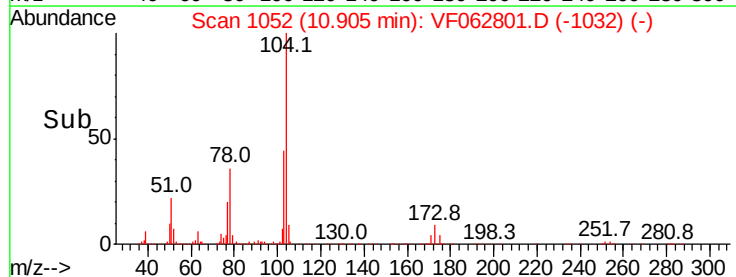
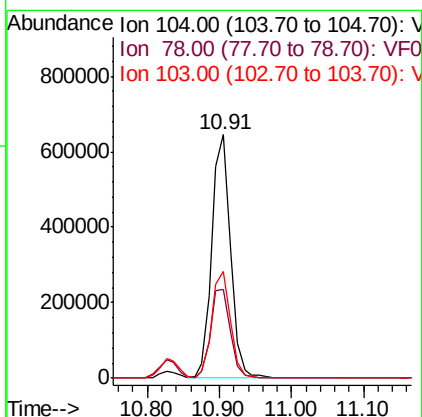
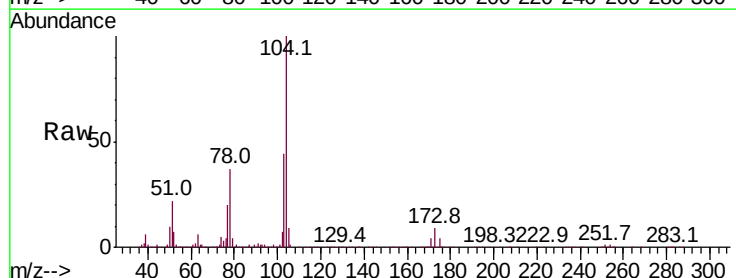
Manual Integrations
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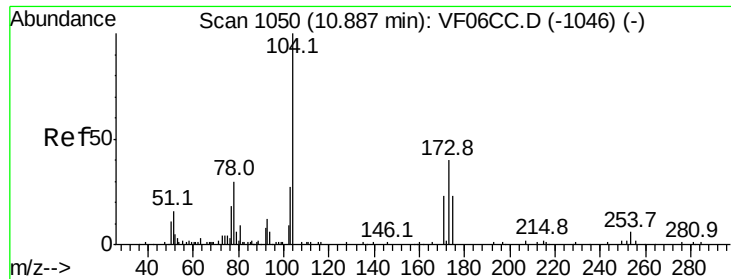
MMDadoda
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#70
Styrene
Concen: 52.518 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	36.5	30.8	46.2
103	43.9	35.8	53.6





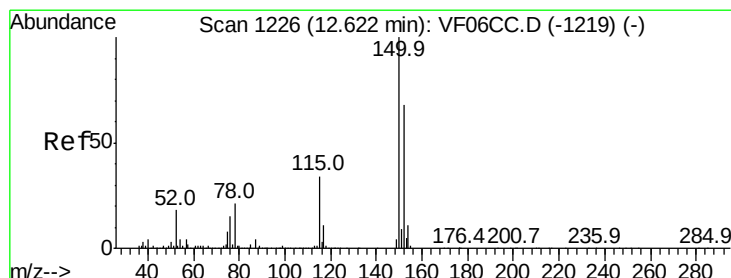
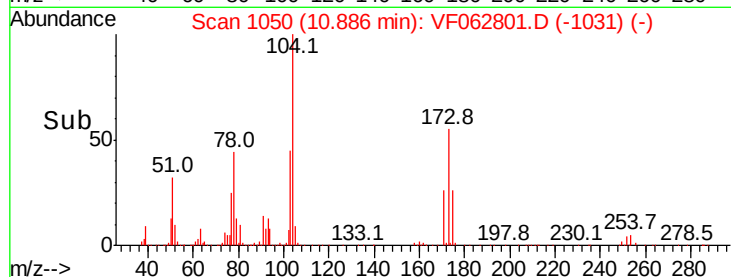
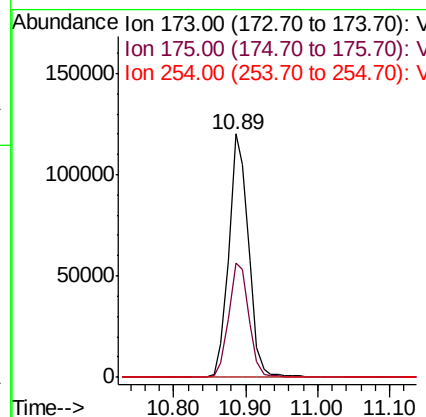
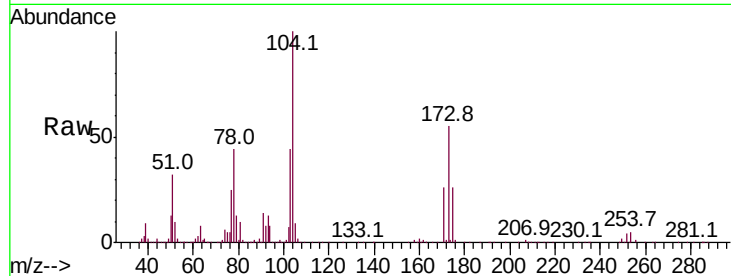
#71
Bromoform
Concen: 53.353 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	74.0
254	0.0	0.1	0.1#

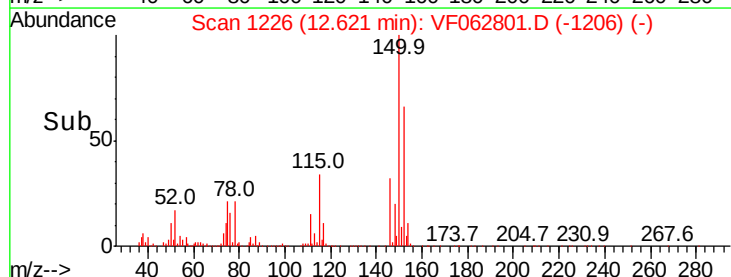
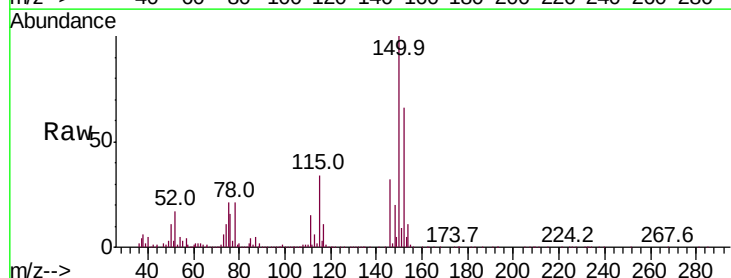
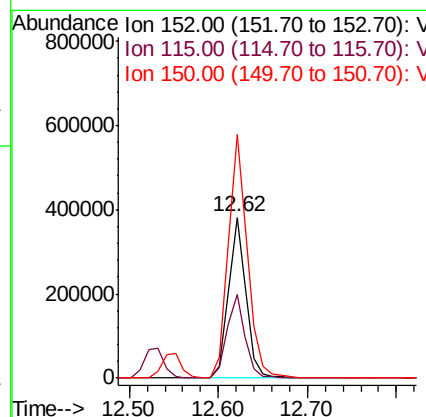
Manual Integrations
APPROVED

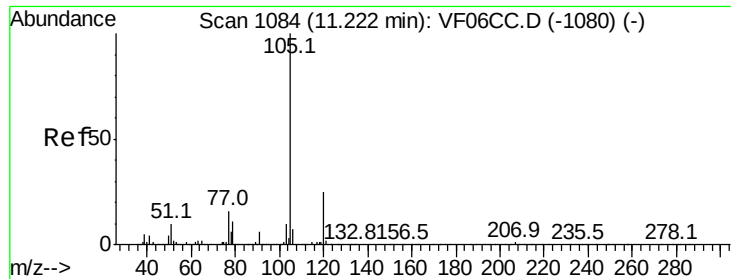
MMDadoda
6/4/2019 8:45:20 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.8	24.6	74.0
150	151.7	0.0	290.6





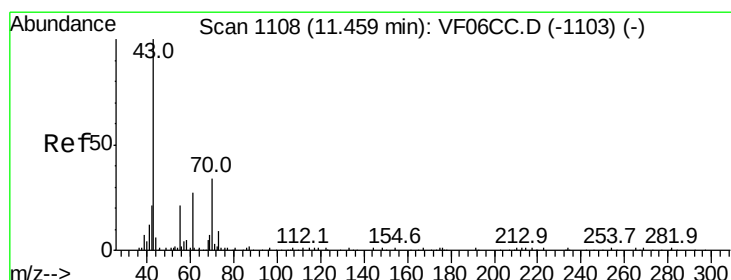
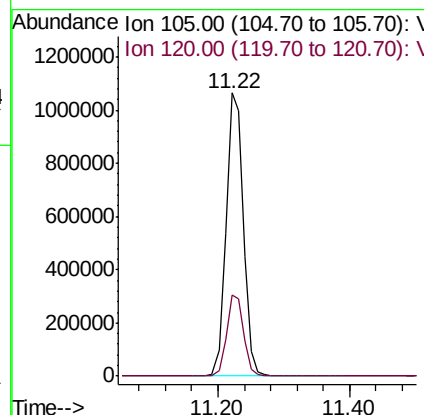
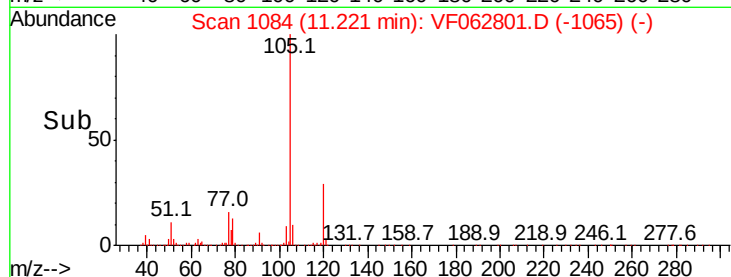
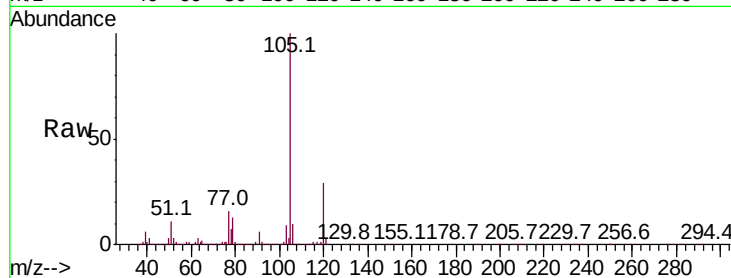
#73
Isopropylbenzene
Concen: 51.698 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. -0.01 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1942640
Ion Ratio Lower Upper
105 100
120 28.8 15.1 45.3

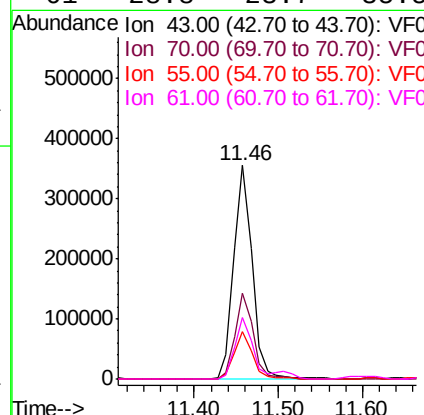
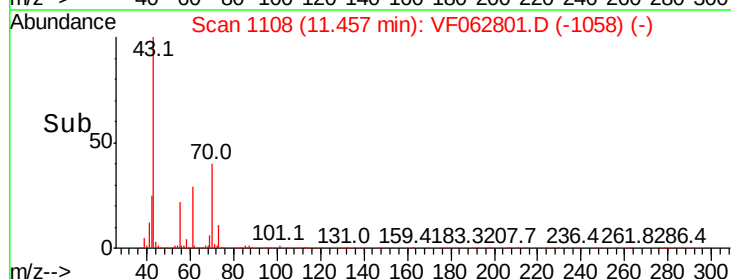
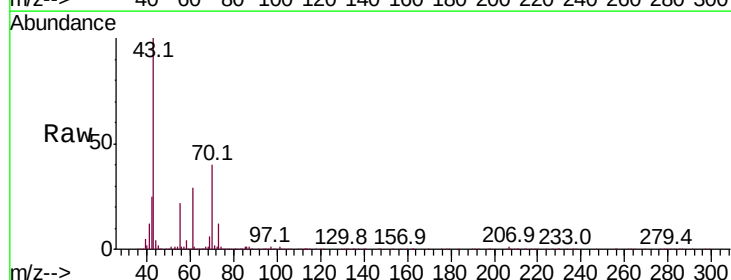
Manual Integrations
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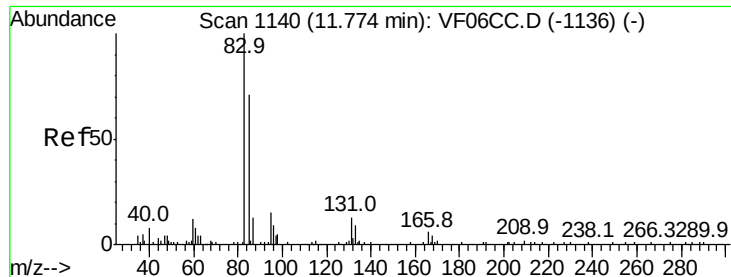
MMDadoda
6/4/2019 8:45:20 AM



#74
N-ethyl acetate
Concen: 51.329 ug/l
RT: 11.46 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion: 43 Resp: 543616
Ion Ratio Lower Upper
43 100
70 40.4 32.9 49.3
55 22.3 17.3 25.9
61 28.8 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.205 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

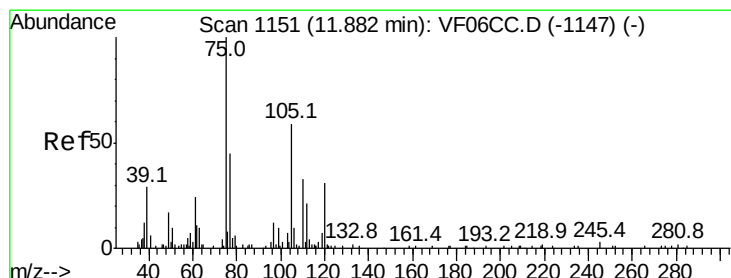
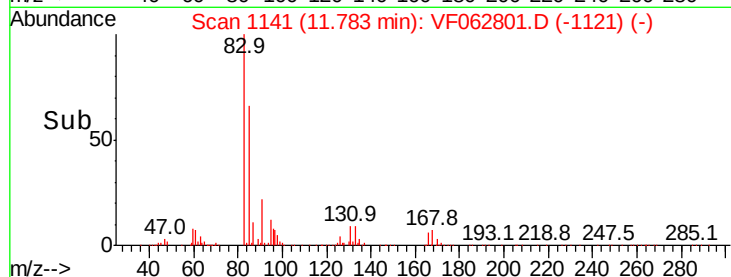
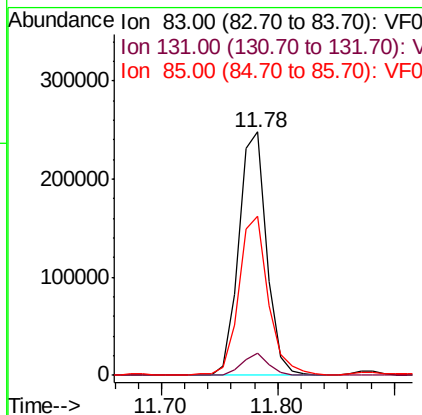
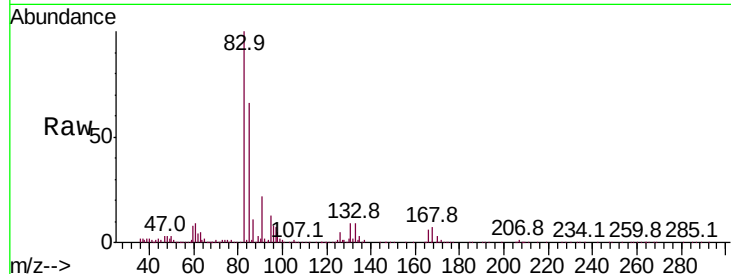
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	410897
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.9	14.7
85	65.6	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.421 ug/l

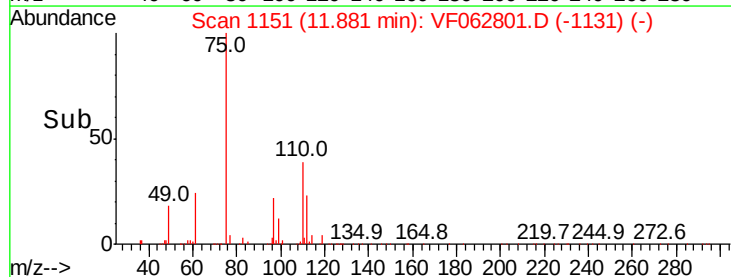
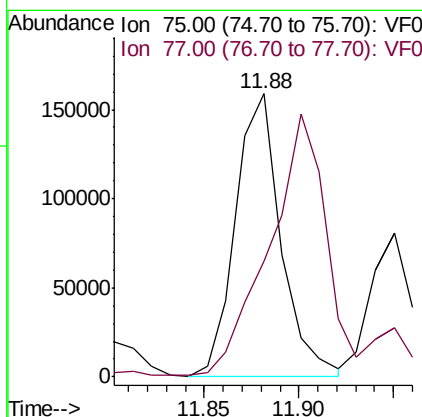
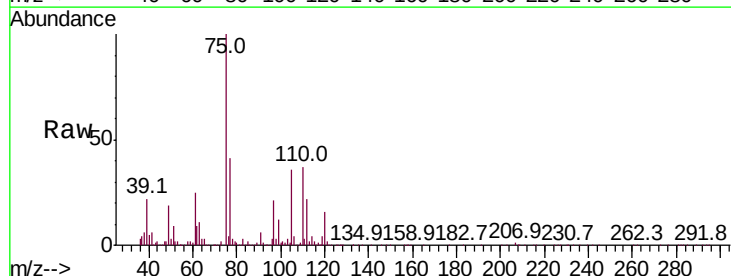
RT: 11.88 min Scan# 1151

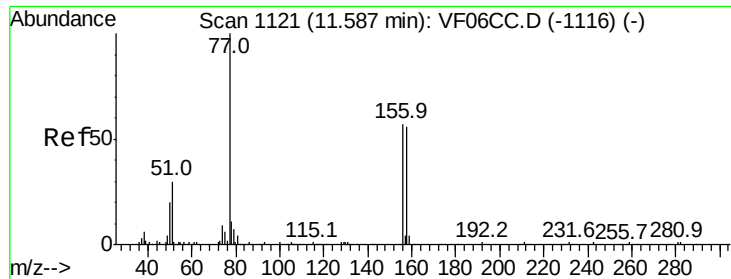
Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tgt Ion:	75	Resp:	262878
Ion Ratio	Lower	Upper	
75	100		
77	40.7	20.1	60.2





#77

Bromobenzene

Concen: 52.288 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

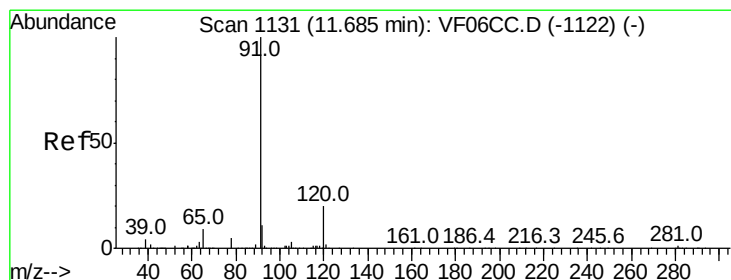
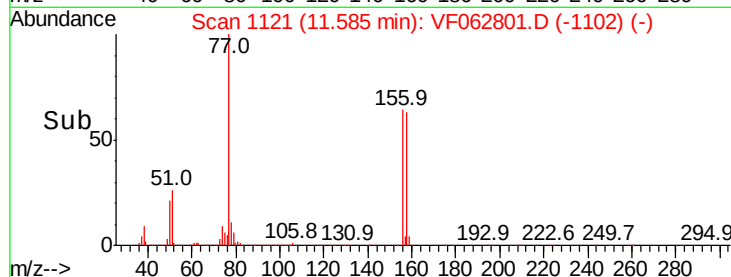
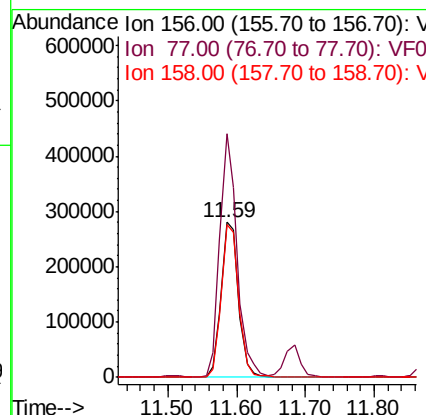
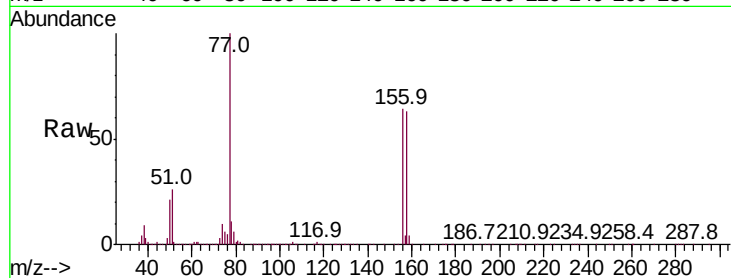
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	493676
Ion Ratio	Lower	Upper	
156	100		
77	157.1	64.2	192.6
158	98.9	50.3	151.0

Manual Integrations
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#78

n-propylbenzene

Concen: 52.198 ug/l

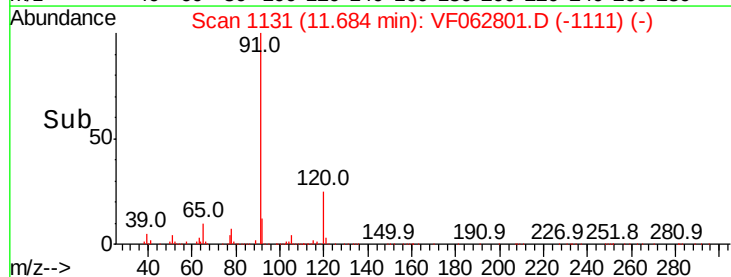
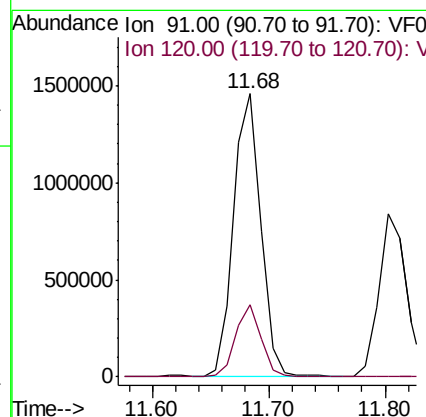
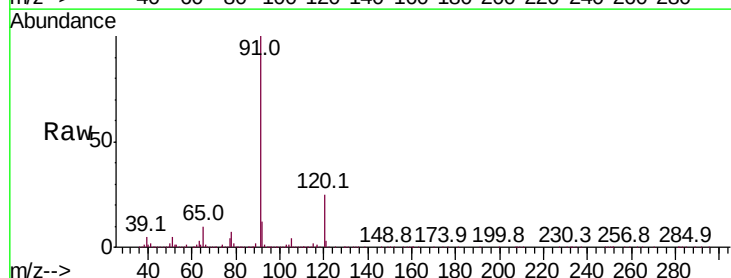
RT: 11.68 min Scan# 1131

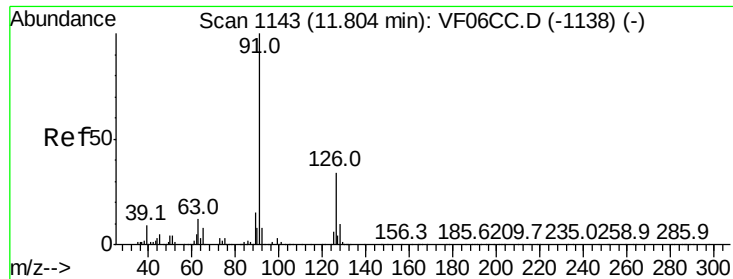
Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tgt Ion:	91	Resp:	2368279
Ion Ratio	Lower	Upper	
91	100		
120	25.4	12.8	38.4





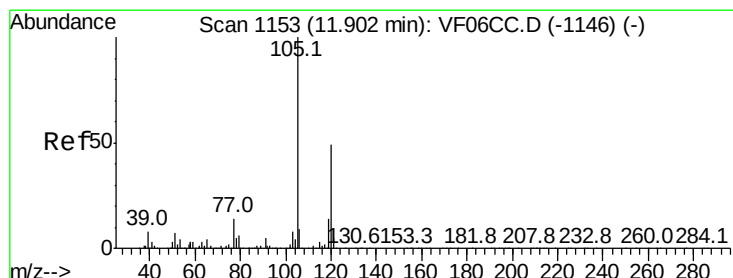
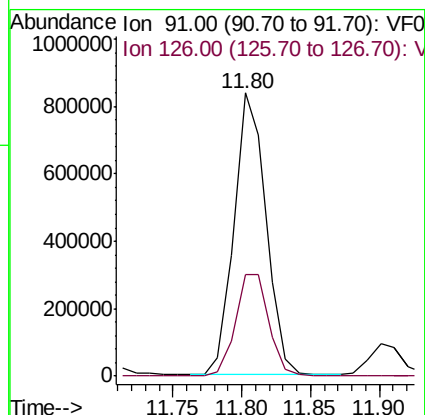
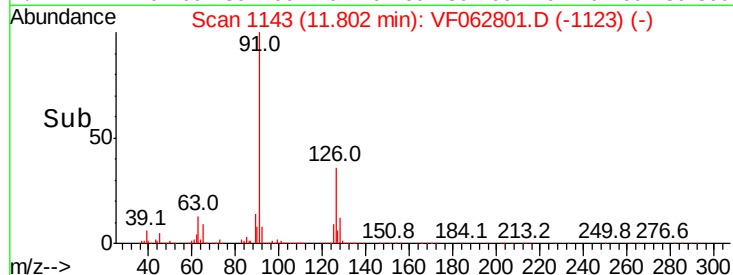
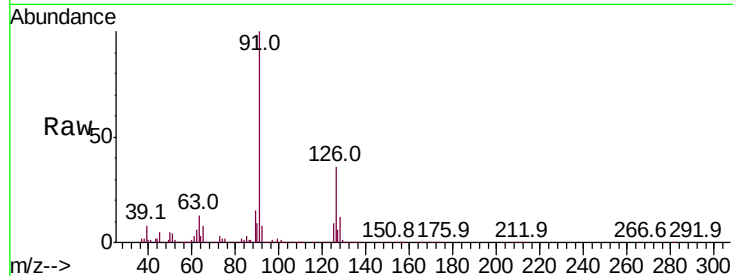
#79
 2-Chlorotoluene
 Concen: 52.155 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1354022
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.8 53.3

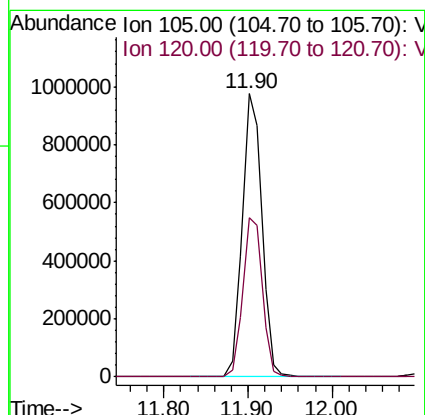
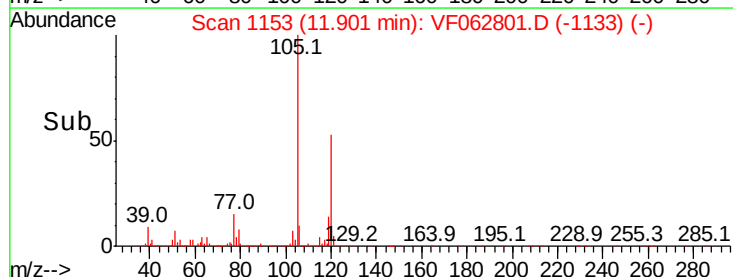
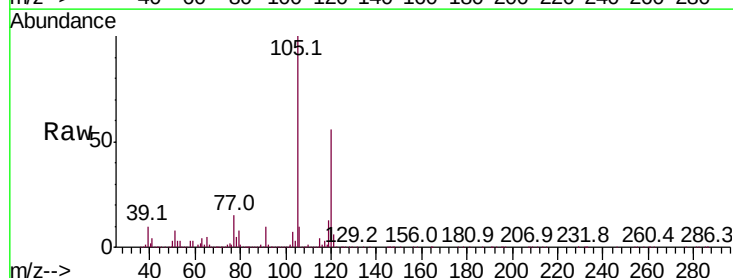
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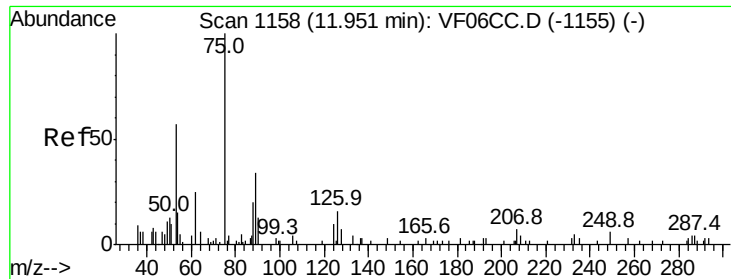
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.573 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Tgt Ion:105 Resp: 1584857
 Ion Ratio Lower Upper
 105 100
 120 56.1 28.7 86.1





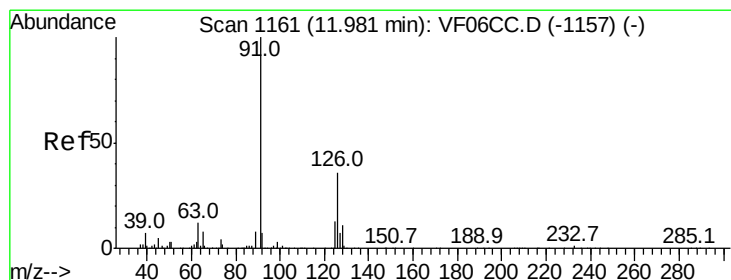
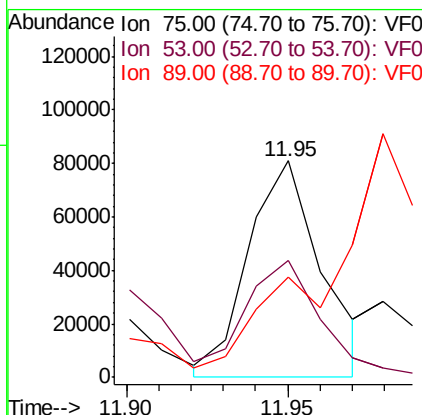
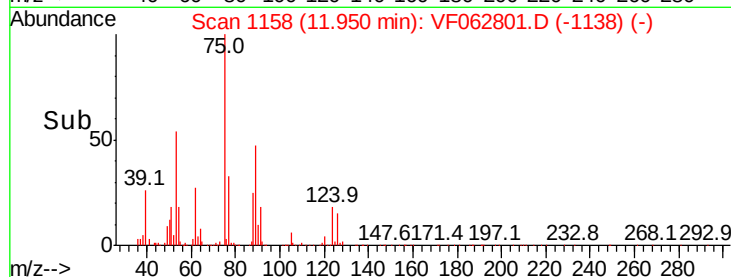
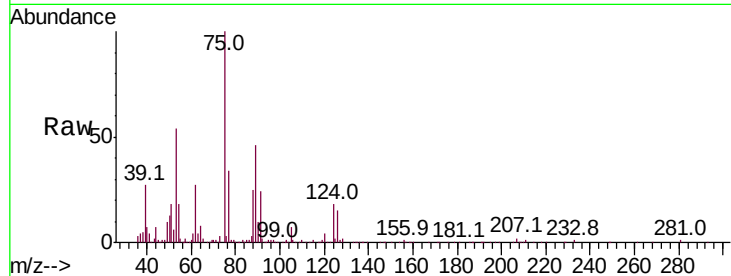
#81
trans-1,4-Dichloro-2-butene
Concen: 56.660 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	53.8	43.5	65.3
89	46.3	34.3	51.5

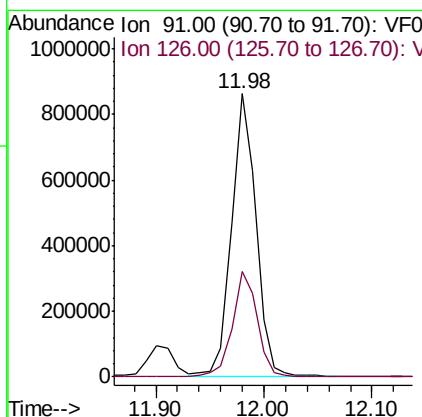
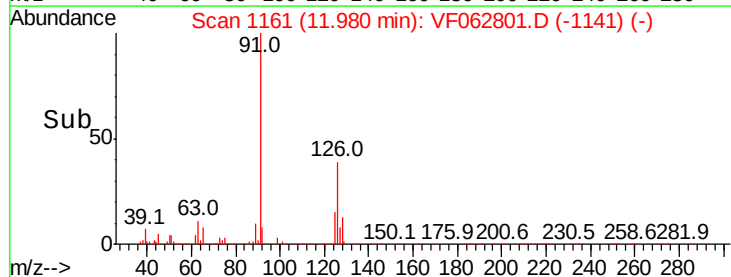
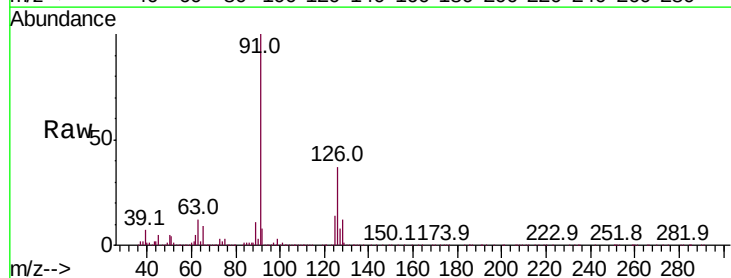
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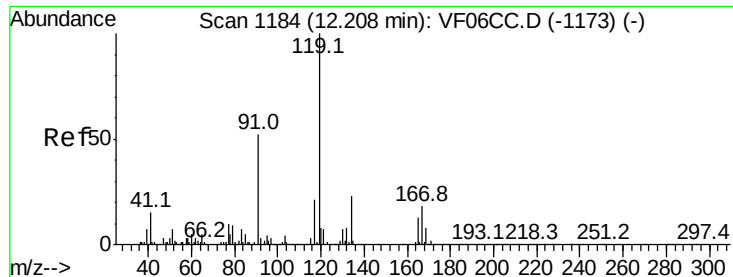
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#82
4-Chlorotoluene
Concen: 53.157 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.4	19.1	57.1





#83

tert-Butylbenzene

Concen: 53.114 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062801.D

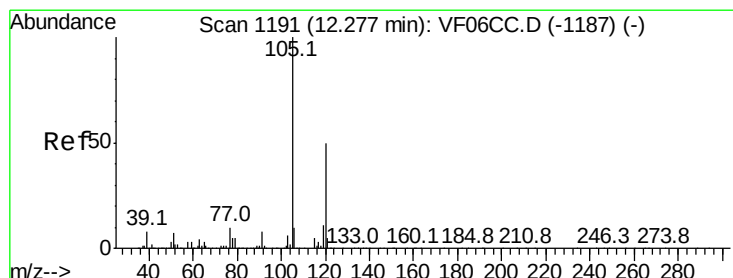
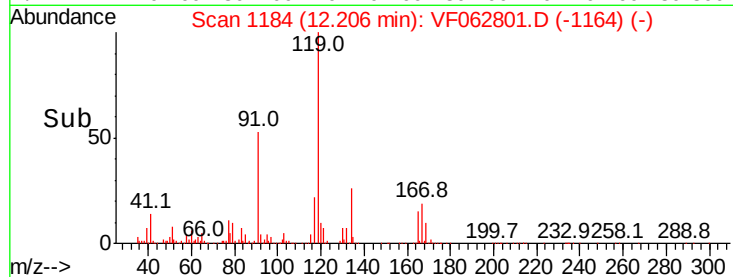
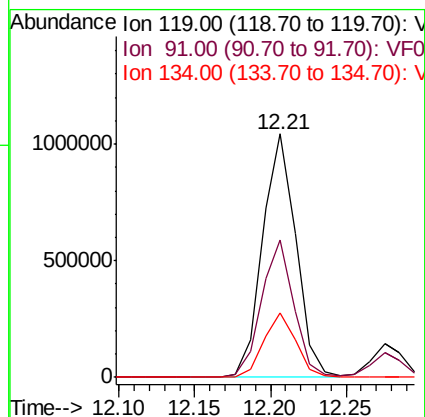
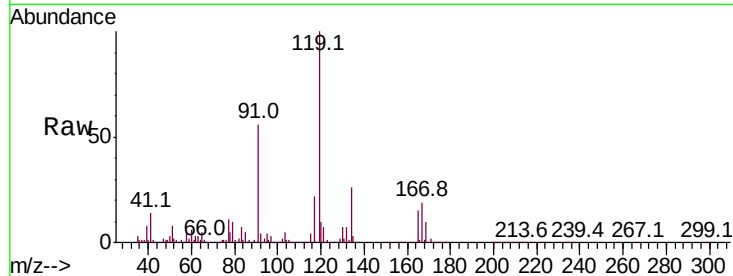
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.2	28.9	86.7
134	26.5	14.3	42.9

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#84

1,2,4-Trimethylbenzene

Concen: 53.411 ug/l

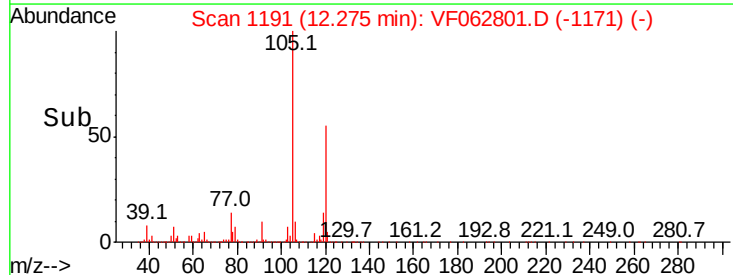
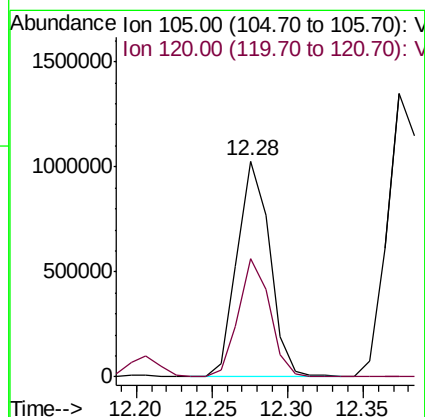
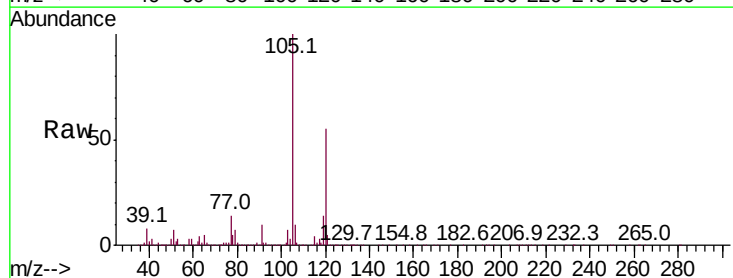
RT: 12.28 min Scan# 1191

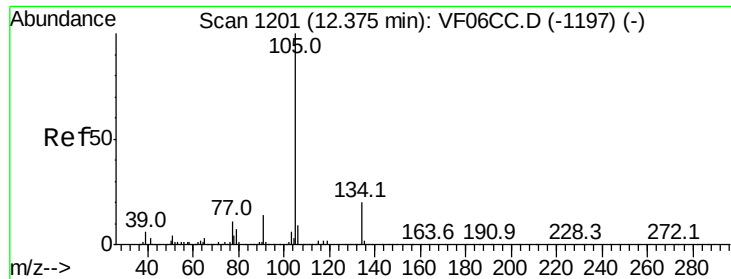
Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	54.9	27.1	81.3





#85

sec-Butylbenzene

Concen: 53.225 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2135545

Ion Ratio Lower Upper

105 100

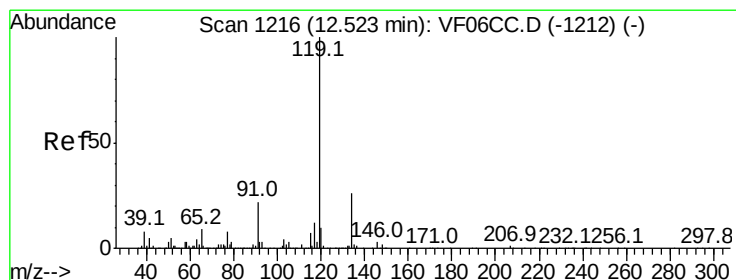
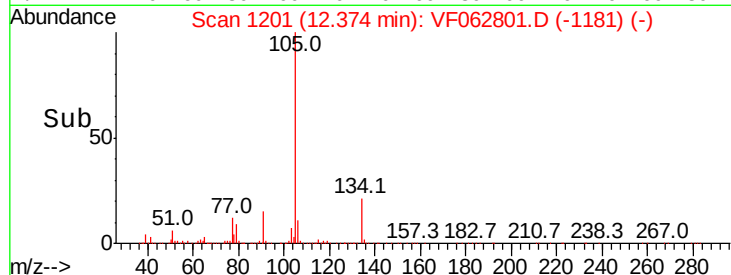
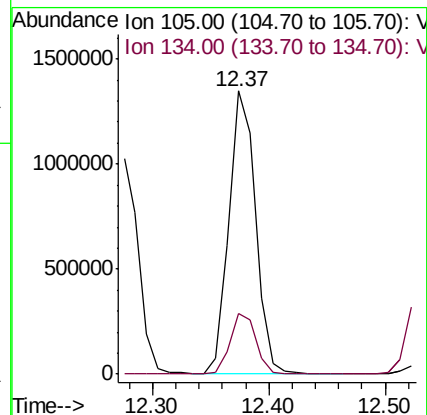
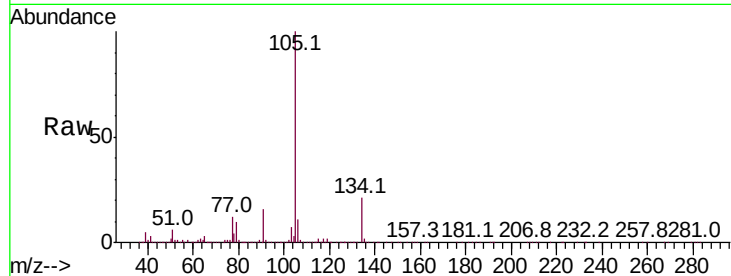
134 21.5 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.521 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

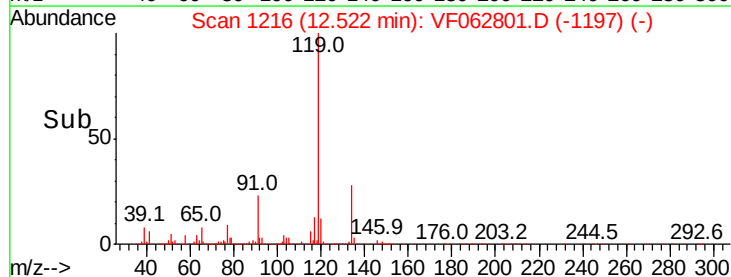
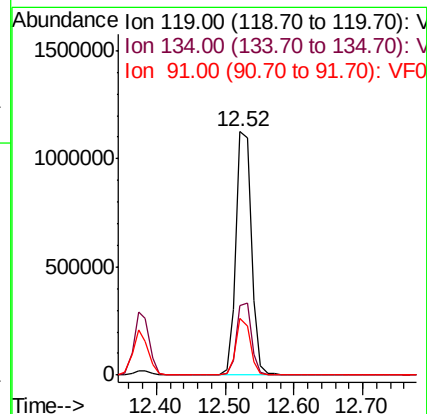
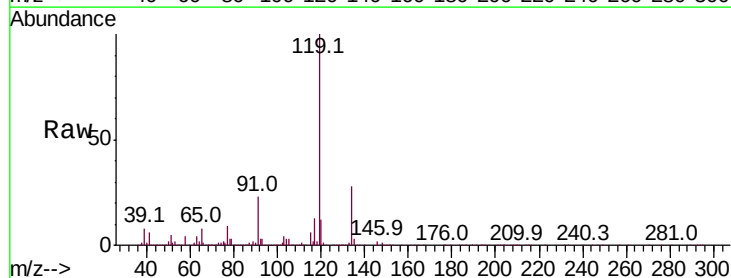
Tgt Ion:119 Resp: 1754041

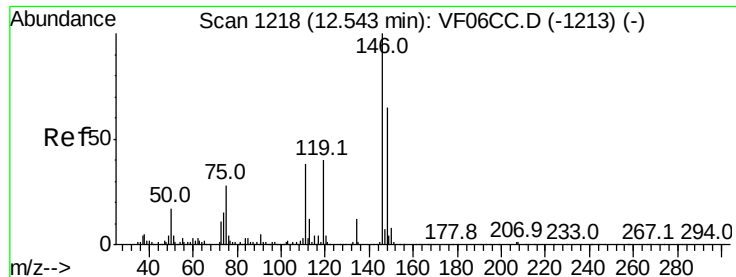
Ion Ratio Lower Upper

119 100

134 28.4 15.5 46.5

91 23.3 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 51.287 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF062801.D

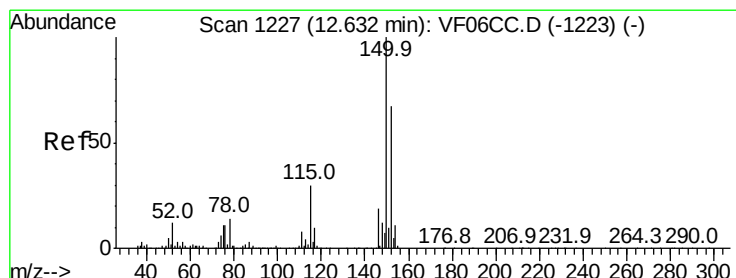
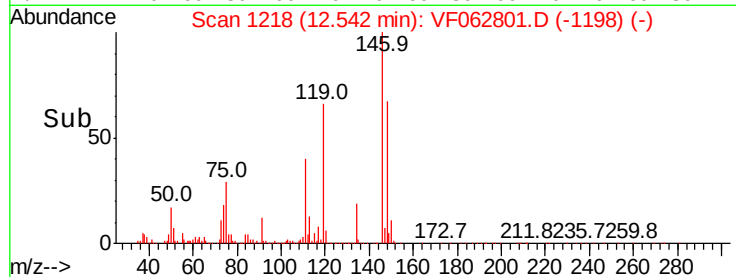
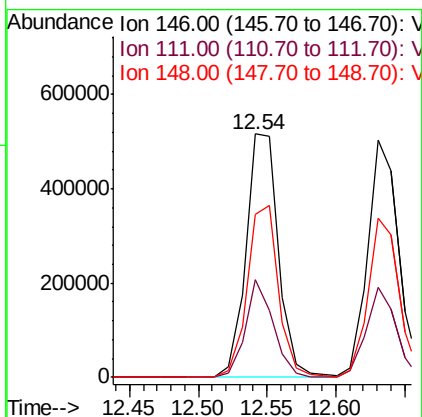
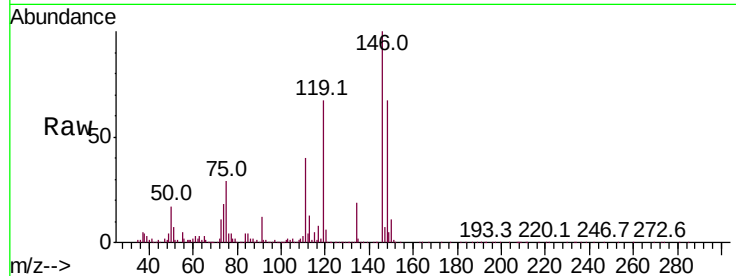
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.6	58.8
148	67.0	34.2	102.5

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#88

1,4-Dichlorobenzene

Concen: 50.852 ug/l

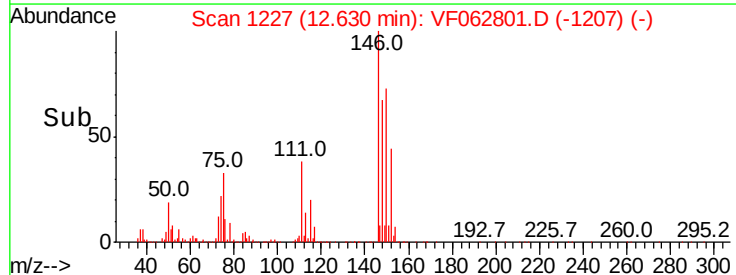
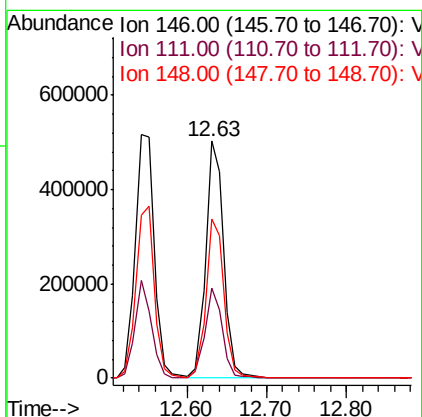
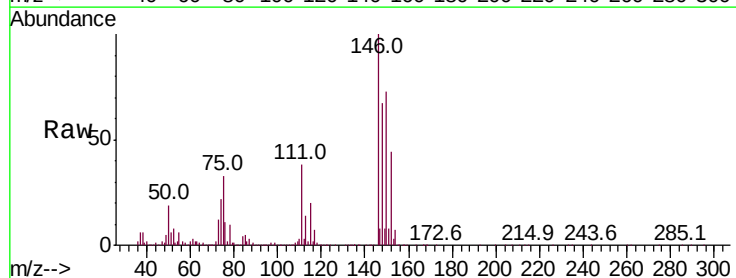
RT: 12.63 min Scan# 1227

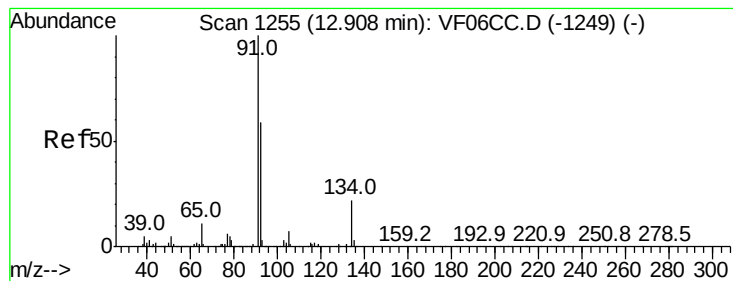
Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.3	60.9
148	67.0	34.0	101.8





#89

n-Butylbenzene

Concen: 52.778 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062801.D

Acq: 31 May 2019 10:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1773052

Ion Ratio Lower Upper

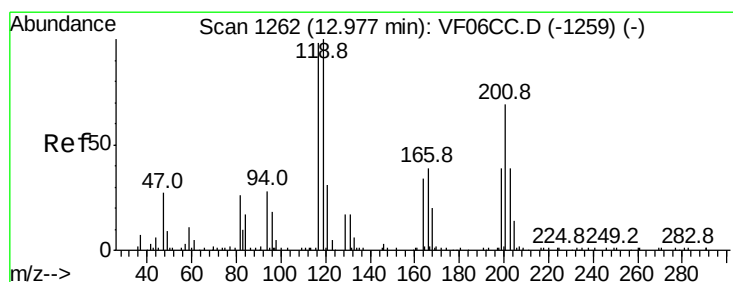
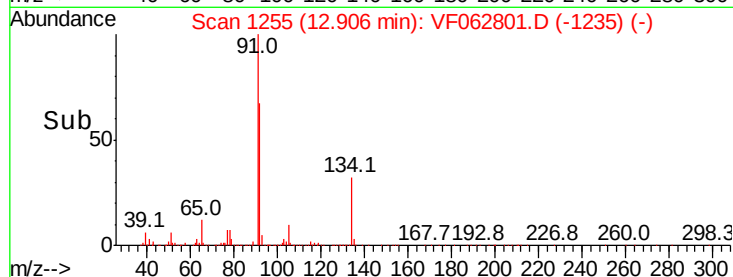
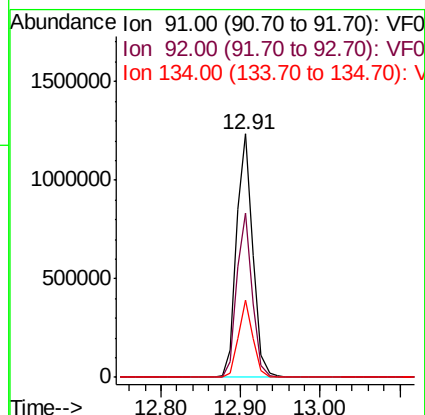
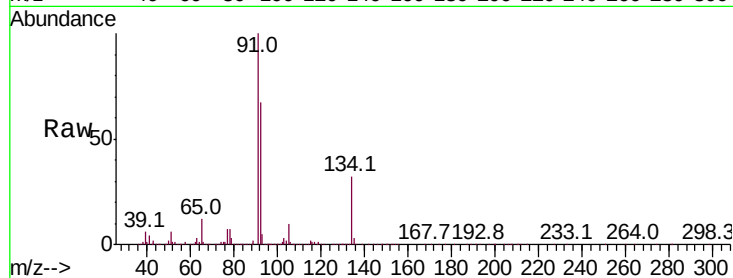
91 100

92 67.4 34.2 102.6

134 31.5 15.8 47.3

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#90

Hexachloroethane

Concen: 54.465 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VF062801.D

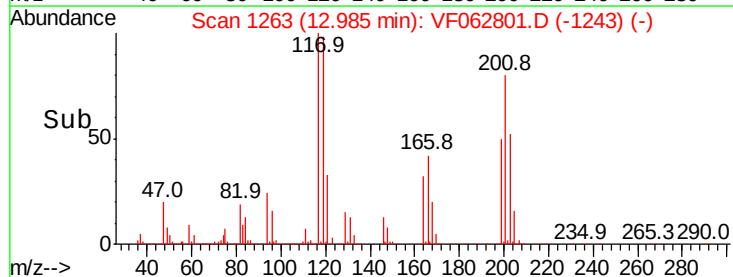
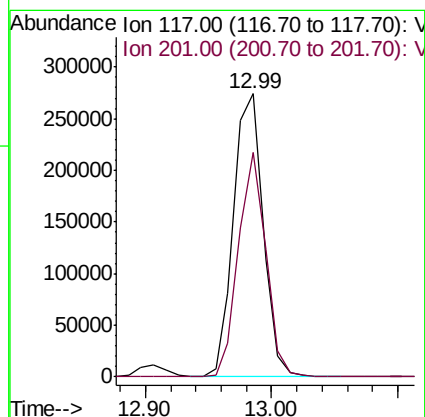
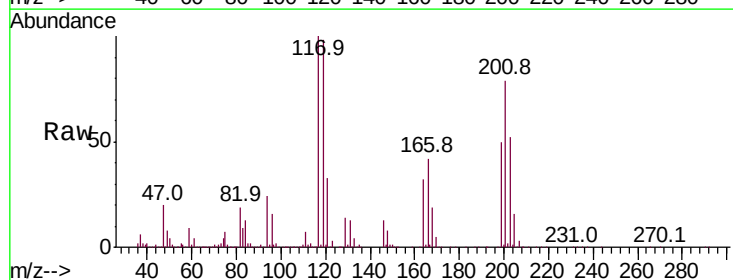
Acq: 31 May 2019 10:49

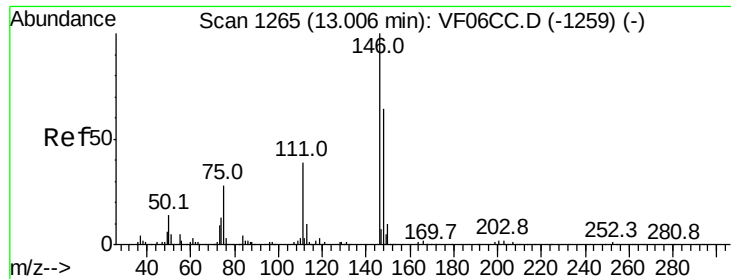
Tgt Ion: 117 Resp: 443638

Ion Ratio Lower Upper

117 100

201 81.2 38.9 116.7





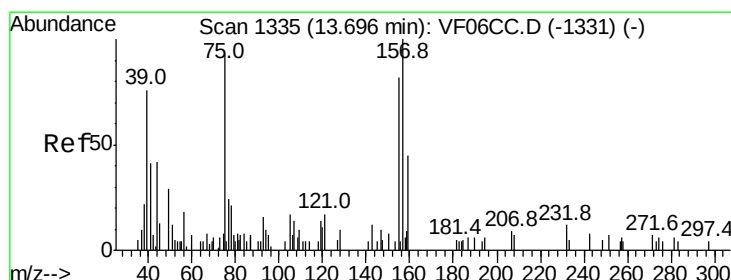
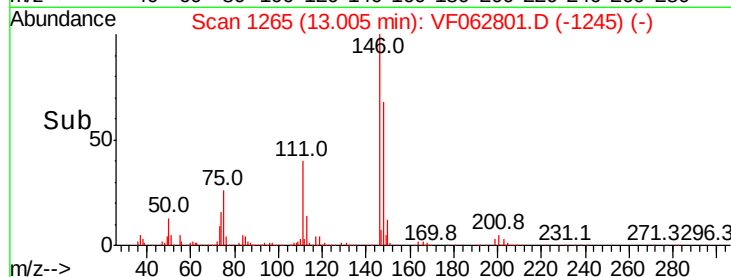
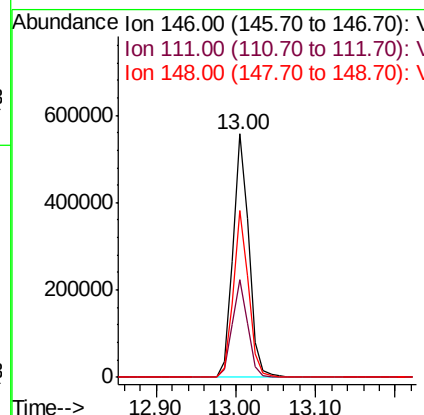
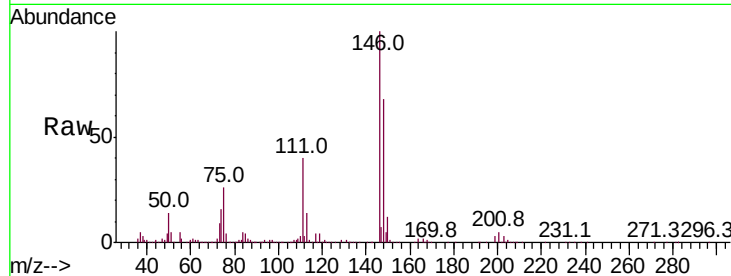
#91
 1,2-Dichlorobenzene
 Concen: 53.863 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	68.3	34.1	102.3

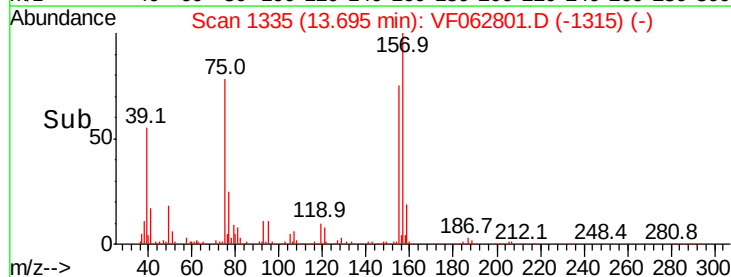
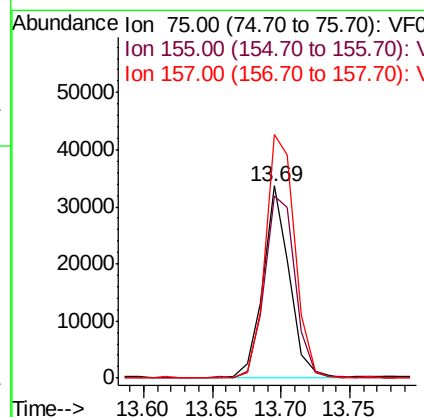
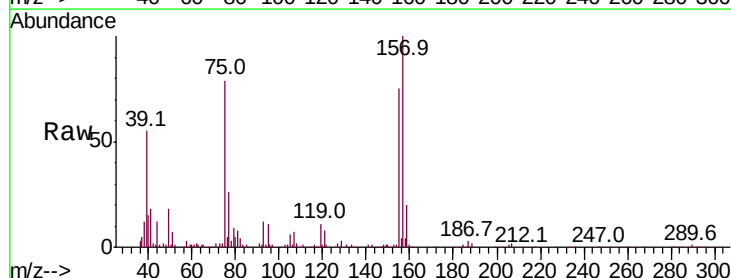
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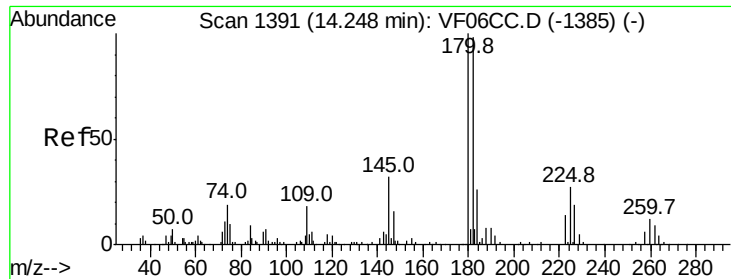
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.432 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	51.7	155.1
157	126.8	66.8	200.6





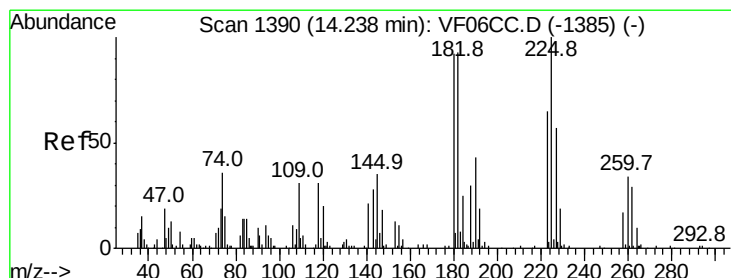
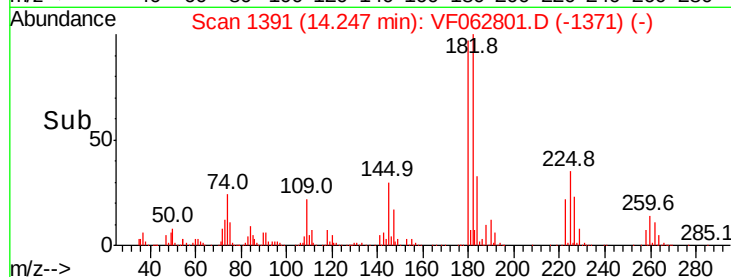
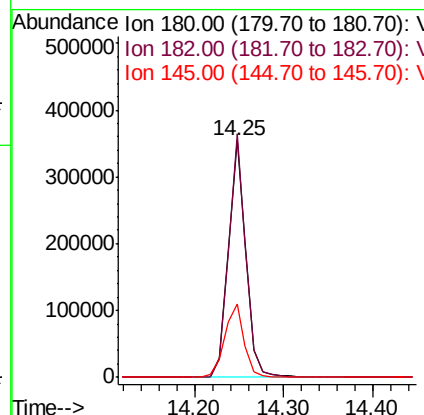
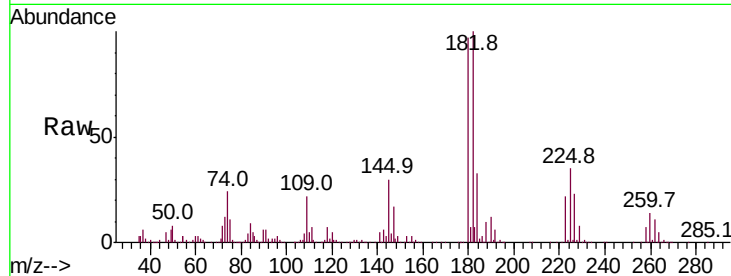
#93
 1,2,4-Trichlorobenzene
 Concen: 49.809 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	500524		
182	102.7		50.3	150.9
145	31.0		15.4	46.2

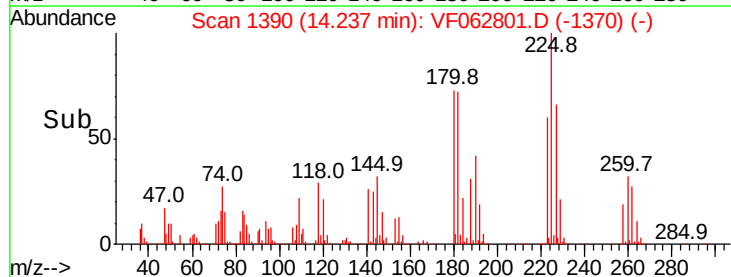
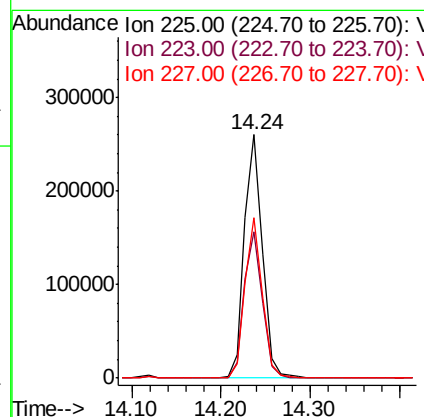
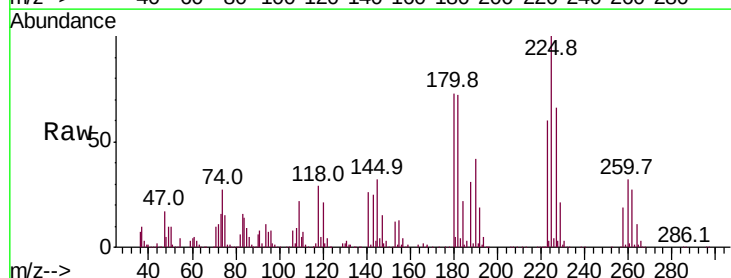
Manual Integrations
 APPROVED

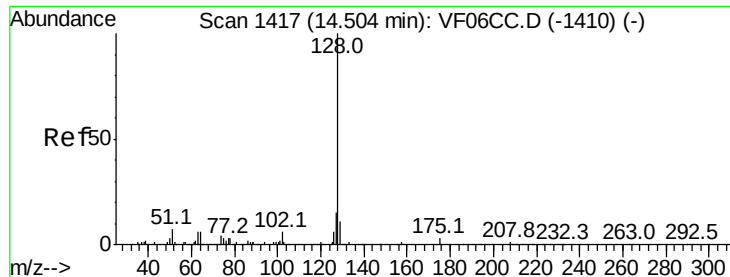
MMDadoda
 6/4/2019 8:45:20 AM



#94
 Hexachlorobutadiene
 Concen: 52.837 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062801.D
 Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	367318		
223	60.1		30.8	92.4
227	65.8		31.9	95.5





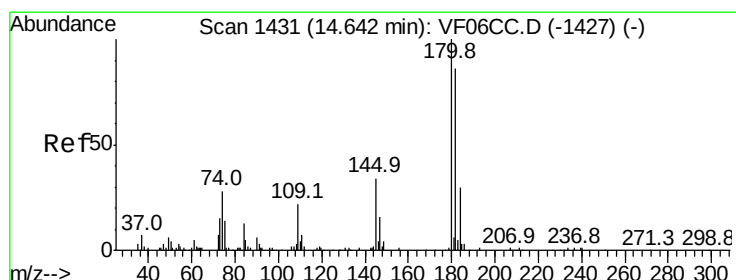
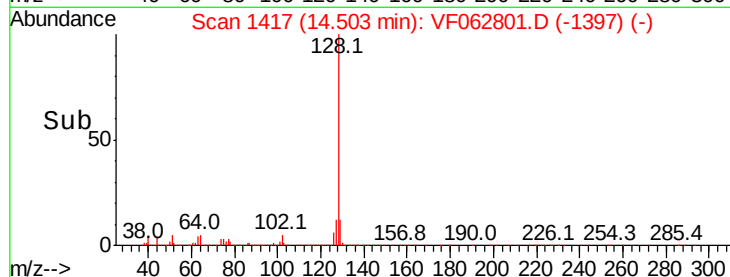
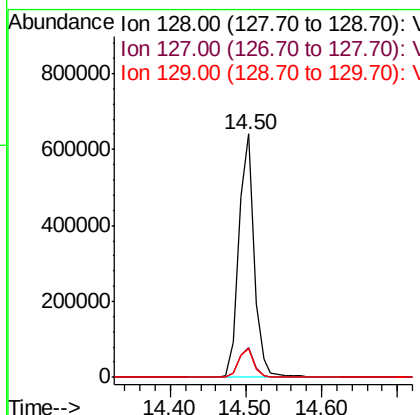
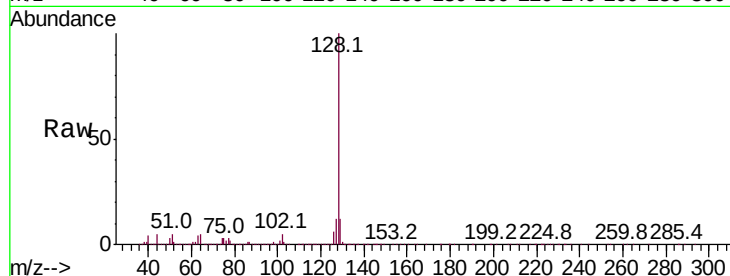
#95
Naphthalene
Concen: 53.536 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	881372		
127	12.3		9.7	14.5
129	11.6		9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.610 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VF062801.D
Acq: 31 May 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	473414		
182	99.2		48.6	145.9
145	31.6		15.7	47.0

