

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062196.D
 Acq On : 17 Apr 2019 20:33
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV041719

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:38 AM

Quant Time: Apr 18 08:02:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	382894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	553137	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	435385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	222732	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	174206	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
35) Dibromofluoromethane	4.29	113	226577	46.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.66%	
50) Toluene-d8	7.69	98	597180	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.49	95	220384	46.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	274446	47.165	ug/l	98
3) Chloromethane	1.14	50	286908	47.704	ug/l	99
4) Vinyl Chloride	1.18	62	255431	49.434	ug/l	98
5) Bromomethane	1.39	94	158524	52.812	ug/l	99
6) Chloroethane	1.44	64	113486	52.537	ug/l	95
7) Trichlorofluoromethane	1.55	101	327100	49.830	ug/l	94
8) Diethyl Ether	1.71	74	61950	45.344	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.90	101	225064	50.188	ug/l	99
10) Methyl Iodide	1.97	142	398366	50.005	ug/l	92
11) Tert butyl alcohol	2.69	59	59621	244.299	ug/l	97
12) 1,1-Dichloroethene	1.86	96	210290	49.303	ug/l	97
13) Acrolein	2.09	56	27408	256.679	ug/l	90
14) Allyl chloride	2.19	41	244984	50.048	ug/l	97
15) Acrylonitrile	3.09	53	185801	249.962	ug/l	97
16) Acetone	2.34	43	183853	219.080	ug/l	99
17) Carbon Disulfide	1.91	76	616137m	51.985	ug/l	
18) Methyl Acetate	2.46	43	87560	48.228	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	373251	49.564	ug/l	98
20) Methylene Chloride	2.33	84	203436m	49.266	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	203372	48.215	ug/l	97
22) Diisopropyl ether	2.93	45	597544	47.722	ug/l	100
23) Vinyl Acetate	3.33	43	1516837	254.258	ug/l	99
24) 1,1-Dichloroethane	3.00	63	336719	49.159	ug/l	99
25) 2-Butanone	4.51	43	390895	232.949	ug/l	98
26) 2,2-Dichloropropane	3.77	77	163191	47.190	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	268778	49.206	ug/l	98
28) Bromochloromethane	3.89	49	149213	45.476	ug/l #	99
29) Tetrahydrofuran	4.26	42	173983	229.065	ug/l	97
30) Chloroform	4.03	83	402129	47.770	ug/l	100
31) Cyclohexane	3.87	56	386237	47.053	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	294641	47.818	ug/l #	89
36) 1,1-Dichloropropene	4.46	75	313559	47.281	ug/l	99
37) Ethyl Acetate	4.29	43	138257	44.180	ug/l #	100
38) Carbon Tetrachloride	4.17	117	281057m	47.880	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	387767	48.835	ug/l	99
40) Benzene	4.80	78	821754	47.241	ug/l	99
41) Methacrylonitrile	4.92	41	92825	51.423	ug/l	93
42) 1,2-Dichloroethane	5.12	62	227224	49.412	ug/l	98
43) Isopropyl Acetate	7.10	43	161266	48.996	ug/l	100
44) Trichloroethene	5.67	130	224267	47.712	ug/l	99
45) 1,2-Dichloropropane	6.39	63	190517	49.722	ug/l	94
46) Dibromomethane	6.25	93	126797	49.738	ug/l	99
47) Bromodichloromethane	6.54	83	286552	49.811	ug/l	98
48) Methyl methacrylate	6.86	41	100114	46.284	ug/l	99
49) 1,4-Dioxane	6.86	88	25196	1015.689	ug/l #	89
51) 4-Methyl-2-Pentanone	8.39	43	597063	243.891	ug/l	99
52) Toluene	7.77	92	436086	47.559	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	207056	47.920	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	281506	48.165	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	124168	48.339	ug/l	99
56) Ethyl methacrylate	8.74	69	143685	49.199	ug/l	96
57) 1,3-Dichloropropane	8.98	76	195121	47.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.43	63	197561	232.997	ug/l	97
59) 2-Hexanone	9.61	43	371960	243.653	ug/l	97
60) Dibromochloromethane	8.84	129	190425	49.848	ug/l	96
61) 1,2-Dibromoethane	9.12	107	139705	48.275	ug/l	98
64) Tetrachloroethene	8.29	164	188293	47.908	ug/l	100
65) Chlorobenzene	9.92	112	461142	49.672	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	208064	47.858	ug/l	100
67) Ethyl Benzene	10.02	91	800533	47.421	ug/l	99
68) m/p-Xylenes	10.24	106	595194	95.776	ug/l	98
69) o-Xylene	10.81	106	341933	49.558	ug/l	99
70) Styrene	10.87	104	465184	47.776	ug/l	99
71) Bromoform	10.86	173	108186	47.132	ug/l #	100
73) Isopropylbenzene	11.20	105	936836	48.965	ug/l	99
74) N-amyl acetate	11.44	43	251078	55.553	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	164357	49.951	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	107196	47.352	ug/l #	1
77) Bromobenzene	11.57	156	210528	51.365	ug/l	96
78) n-propylbenzene	11.66	91	984920	48.798	ug/l	100
79) 2-Chlorotoluene	11.79	91	599985	49.005	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	774962	48.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	49901m	43.222	ug/l	
82) 4-Chlorotoluene	11.96	91	566471	47.875	ug/l	99
83) tert-Butylbenzene	12.19	119	817466	49.606	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	727669	47.188	ug/l	100
85) sec-Butylbenzene	12.36	105	1049429	49.052	ug/l	100
86) p-Isopropyltoluene	12.51	119	866566	47.749	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	349208	45.914	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	343481	46.820	ug/l	99
89) n-Butylbenzene	12.88	91	811839	54.903	ug/l	100
90) Hexachloroethane	12.96	117	235853	50.609	ug/l	99
91) 1,2-Dichlorobenzene	12.99	146	352043	47.936	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	31170	48.215	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	299703	48.774	ug/l	98
94) Hexachlorobutadiene	14.22	225	212707	50.484	ug/l	100
95) Naphthalene	14.48	128	564811	52.569	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	296219	50.214	ug/l	100

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

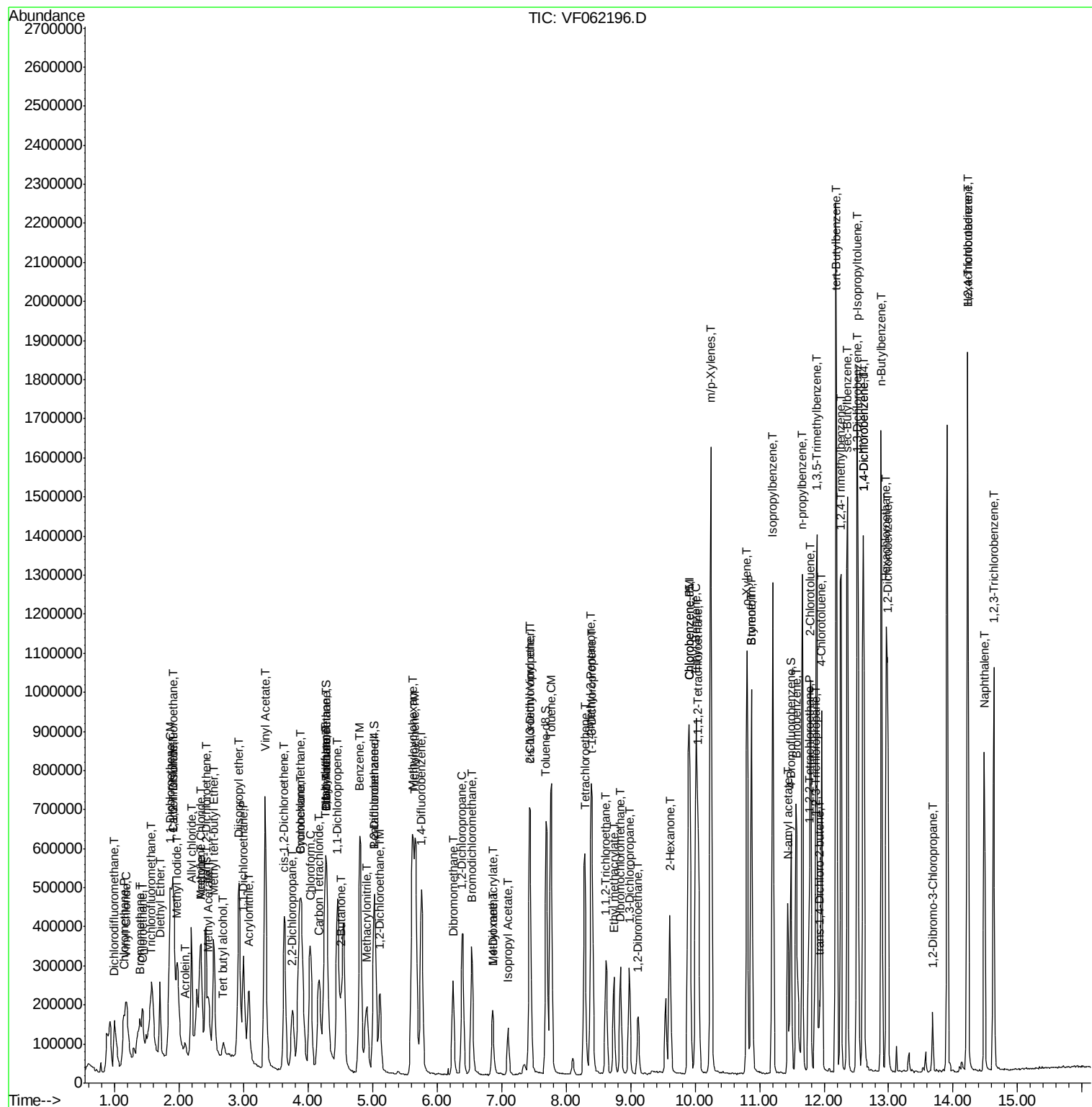
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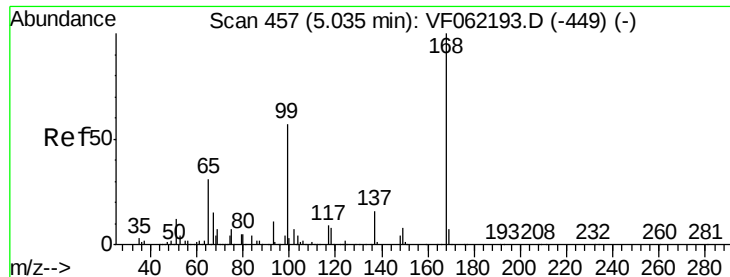
Instrument :
MSVOA_F
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041719

Tot Ion:168 Resp: 382894

Ion Ratio Lower Upper

168 100

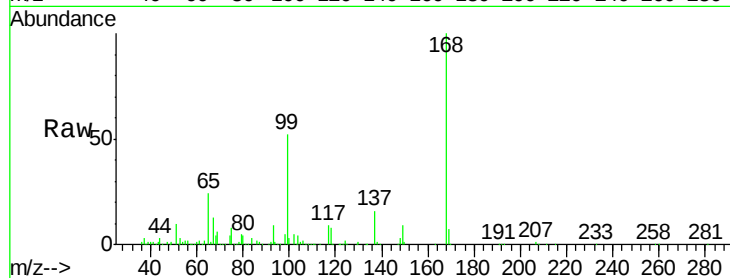
99 51.6 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.04

150000

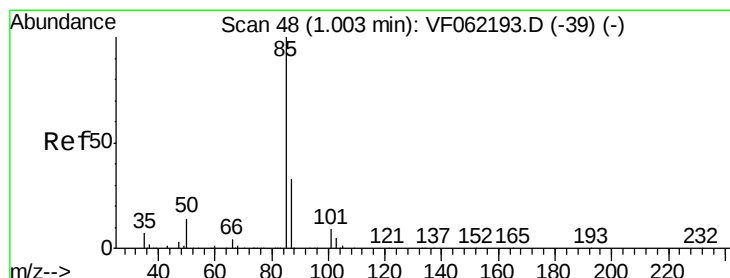
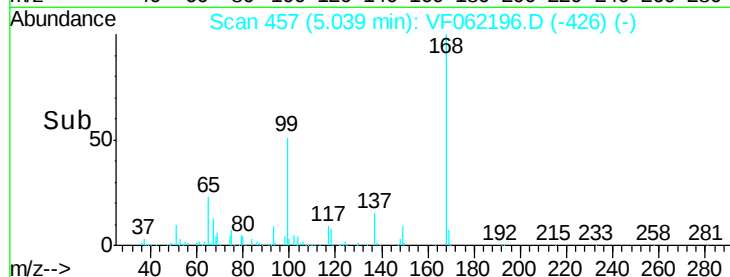
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50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 47.165 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062196.D

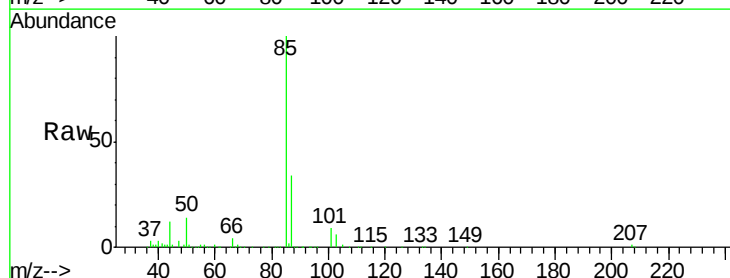
Acq: 17 Apr 2019 20:33

Tgt Ion: 85 Resp: 274446

Ion Ratio Lower Upper

85 100

87 34.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

80000

60000

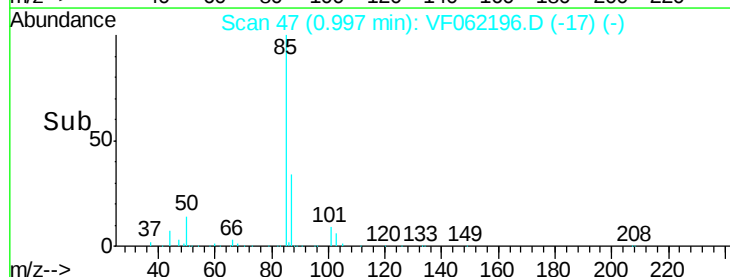
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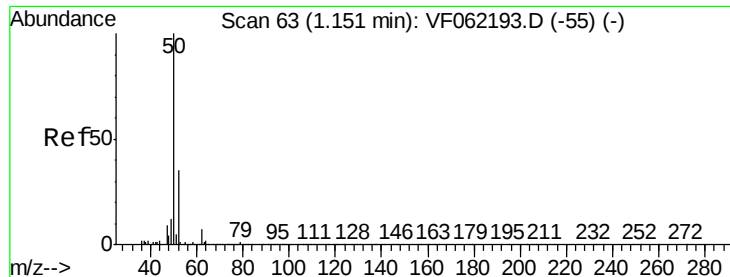
20000

0

0.80 1.00 1.20

Time-->





#3

Chloromethane

Concen: 47.704 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041719

Tot Ion: 50 Resp: 286908

Ion Ratio Lower Upper

50 100

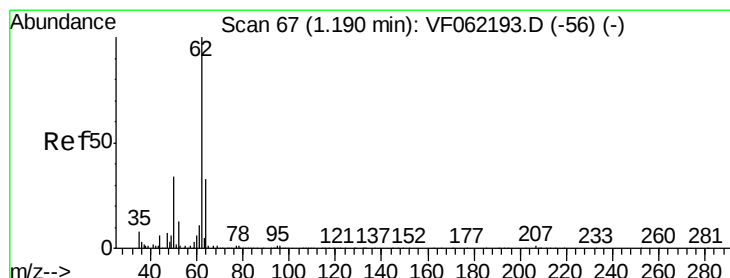
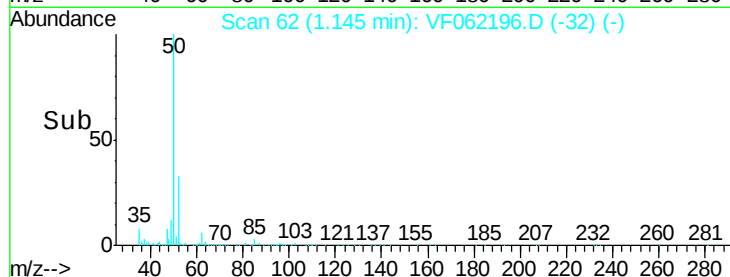
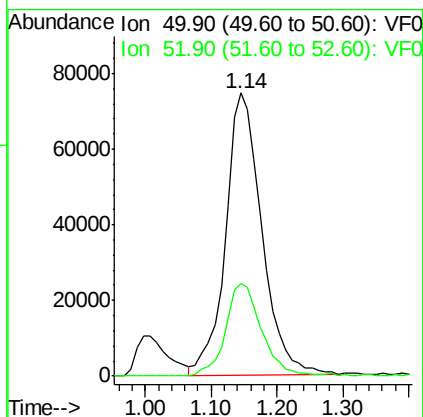
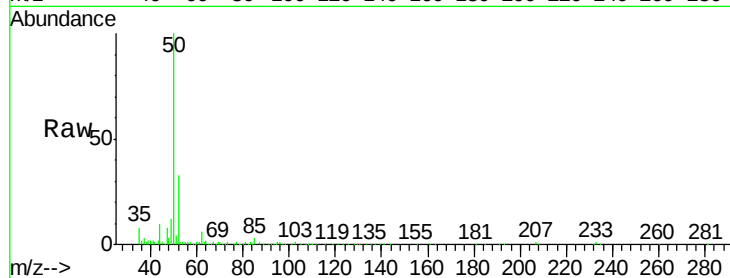
52 32.9 27.0 40.4

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 49.434 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062196.D

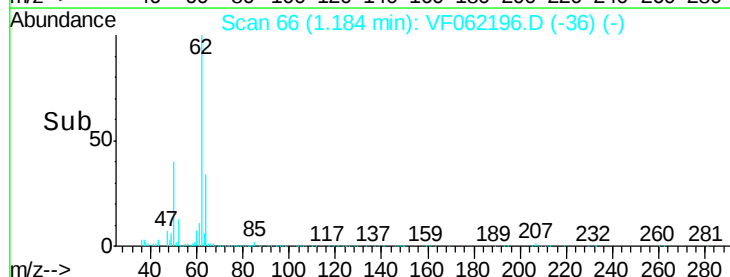
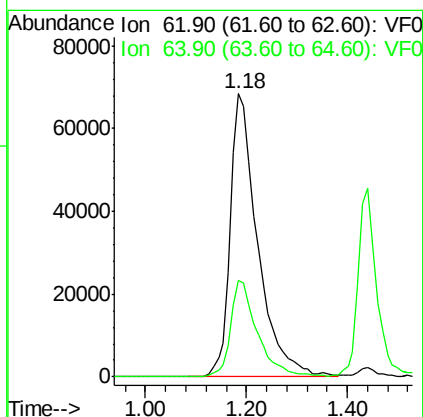
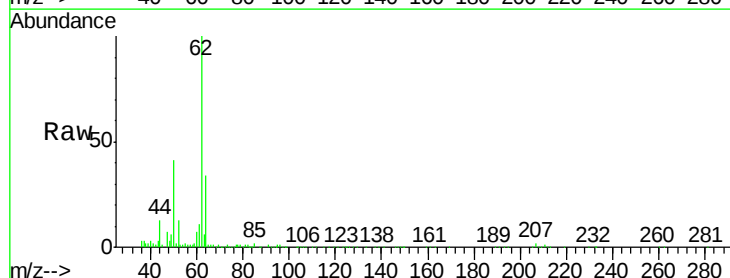
Acq: 17 Apr 2019 20:33

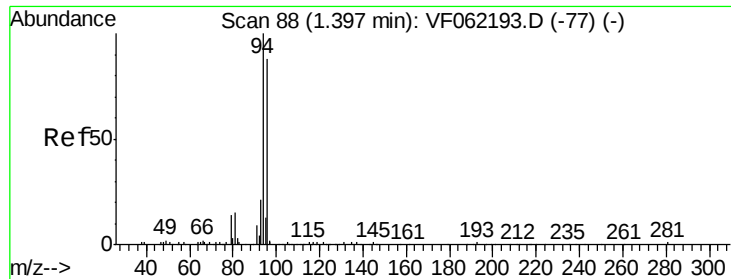
Tgt Ion: 62 Resp: 255431

Ion Ratio Lower Upper

62 100

64 34.1 26.2 39.4





#5

Bromomethane

Concen: 52.812 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 158524

Ion Ratio Lower Upper

94 100

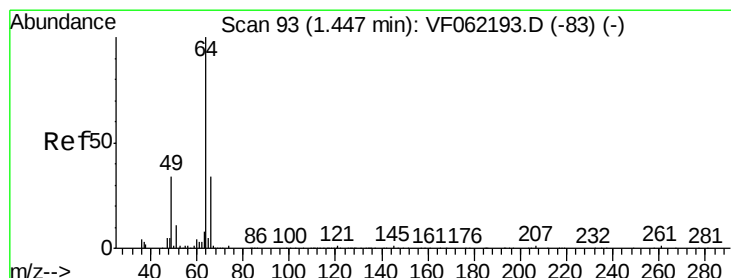
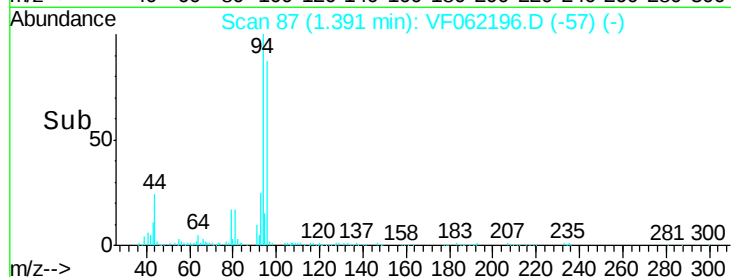
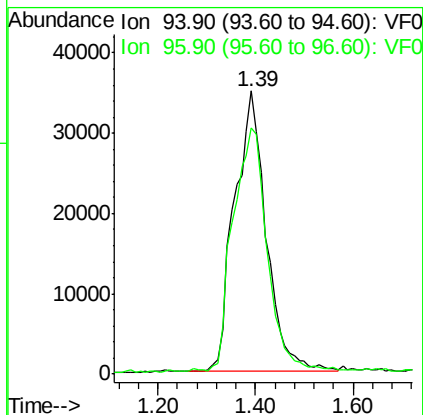
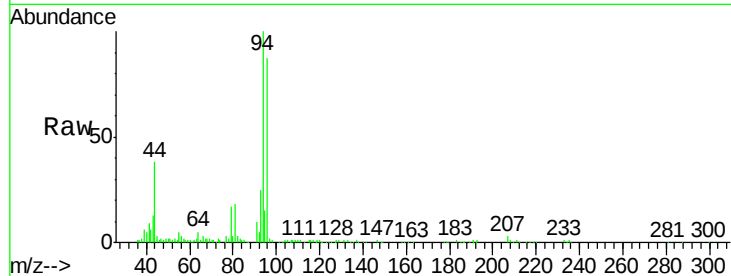
96 87.0 70.2 105.4

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#6

Chloroethane

Concen: 52.537 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062196.D

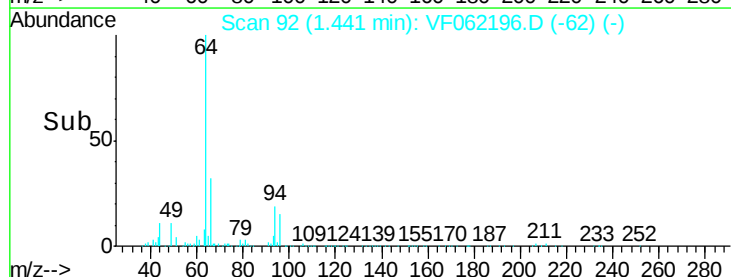
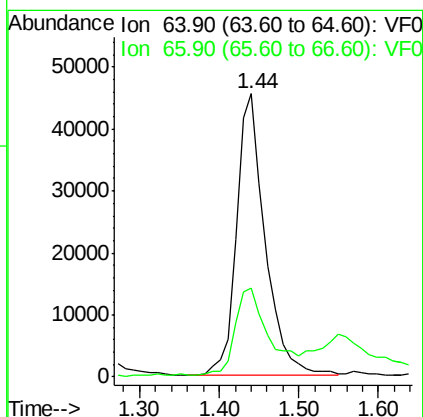
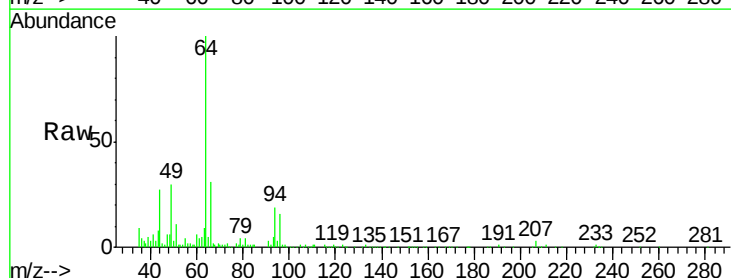
Acq: 17 Apr 2019 20:33

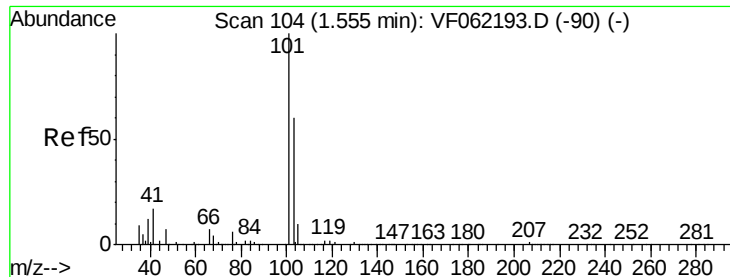
Tgt Ion: 64 Resp: 113486

Ion Ratio Lower Upper

64 100

66 30.7 27.0 40.4





#7

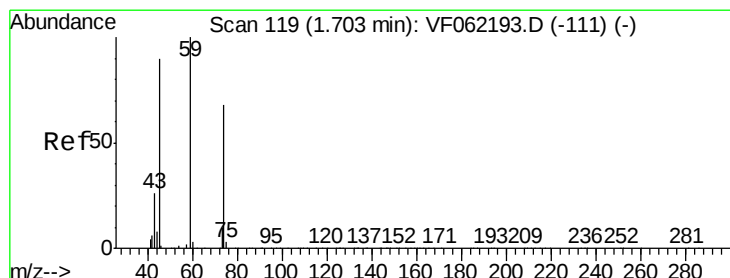
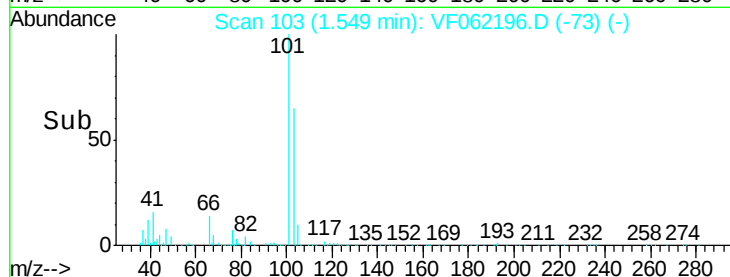
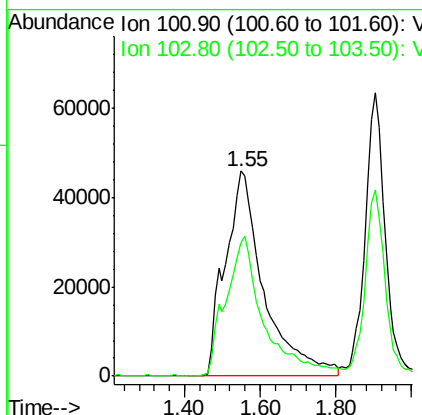
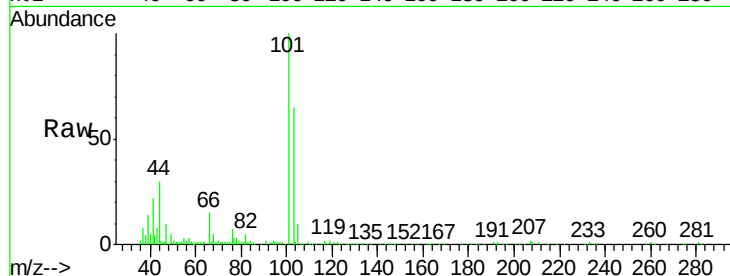
Trichlorofluoromethane
Concen: 49.830 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

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Tot Ion:101 Resp: 327100
Ion Ratio Lower Upper
101 100
103 64.9 48.2 72.4

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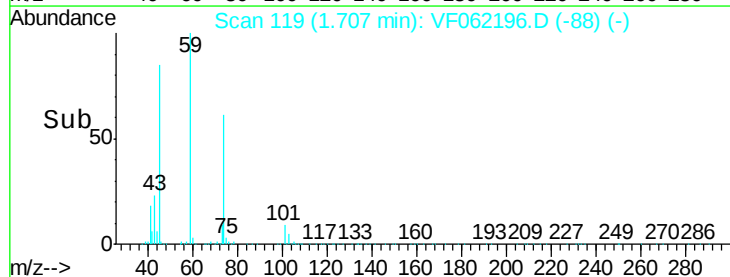
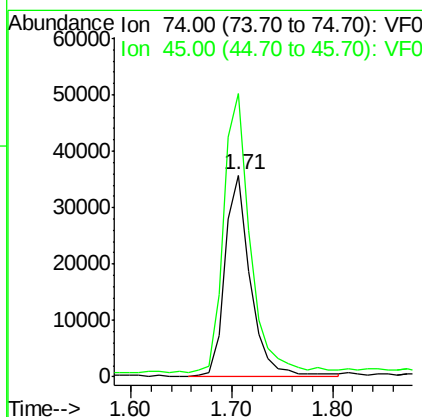
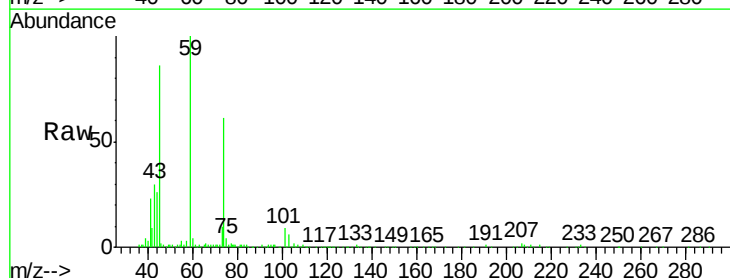
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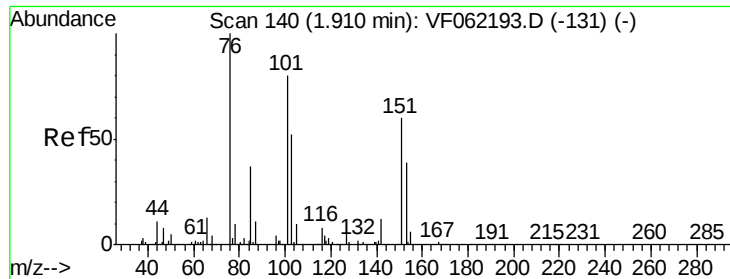


#8

Diethyl Ether
Concen: 45.344 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion: 74 Resp: 61950
Ion Ratio Lower Upper
74 100
45 145.7 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.188 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

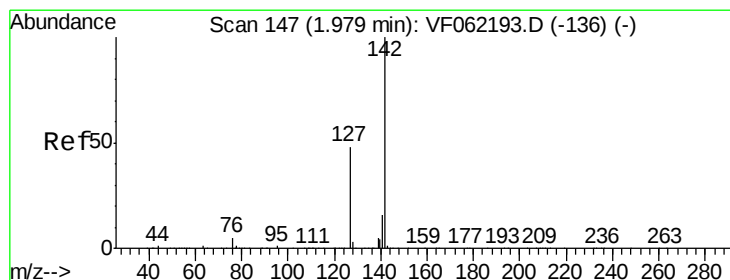
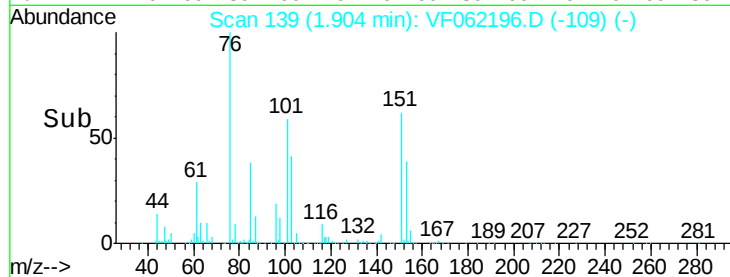
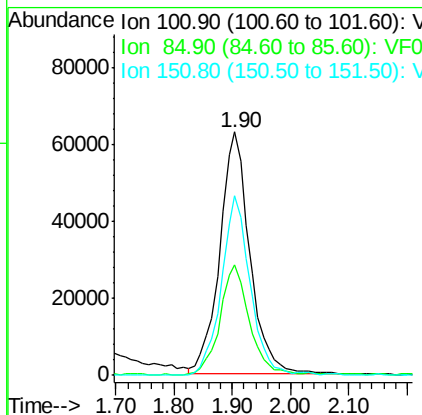
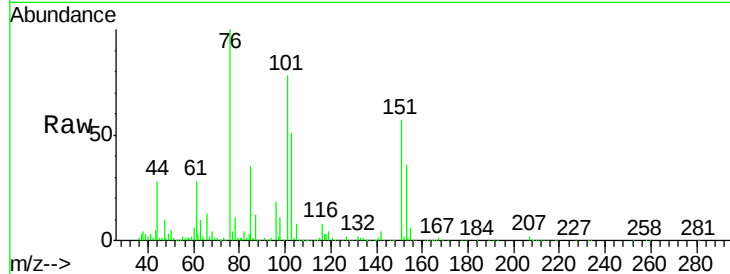
ClientSampleId :

ICVVF041719

Tot Ion:	101	Resp:	225064
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.3	52.9
151	71.6	57.5	86.3

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#10

Methyl Iodide

Concen: 50.005 ug/l

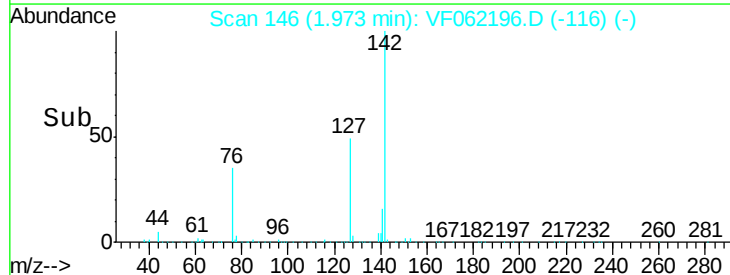
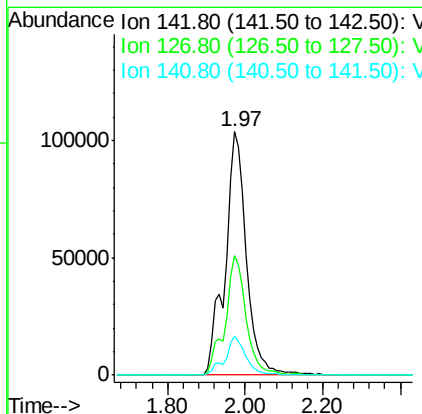
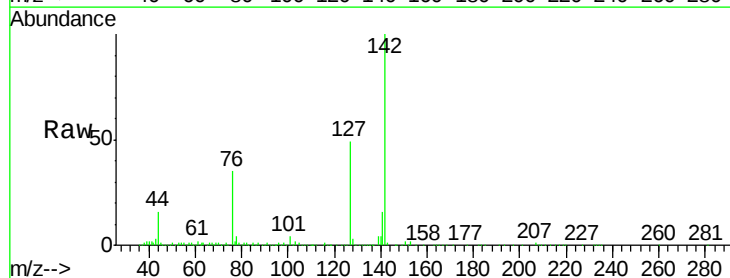
RT: 1.97 min Scan# 146

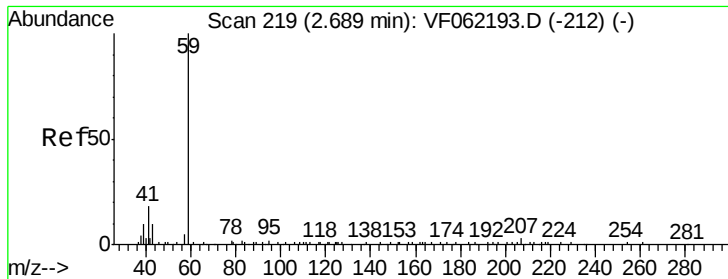
Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion:	142	Resp:	398366
Ion Ratio	Lower	Upper	
142	100		
127	48.4	33.0	49.4
141	15.8	12.7	19.1





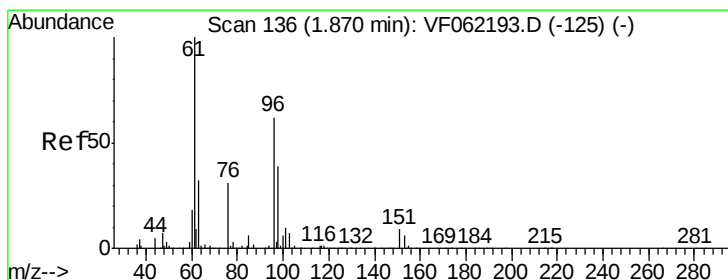
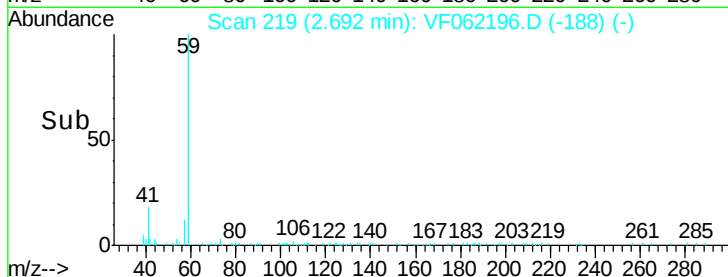
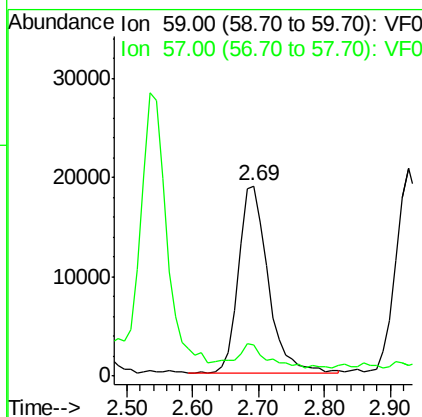
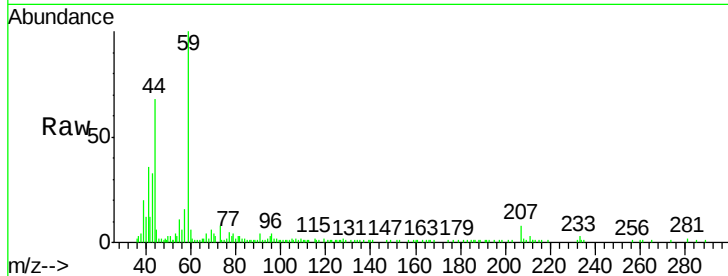
#11
Tert butyl alcohol
Concen: 244.299 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.9	9.3	13.9

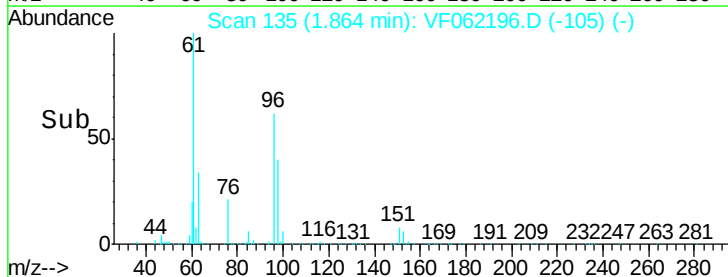
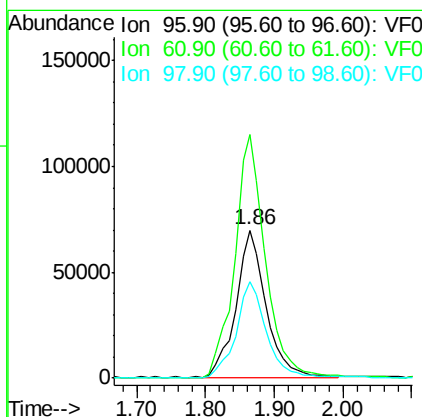
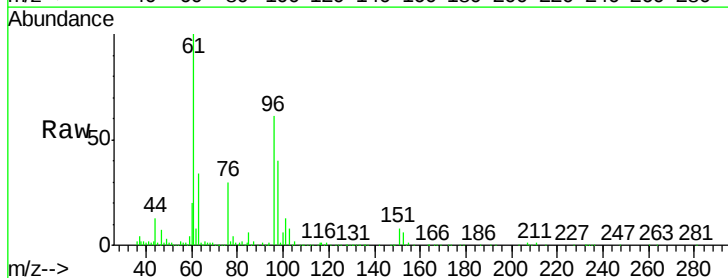
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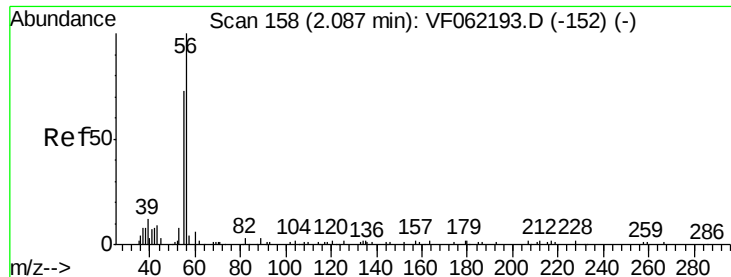
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.303 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.4	129.1	193.7
98	65.7	50.0	75.0





#13

Acrolein

Concen: 256.679 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041719

Tot Ion: 56 Resp: 27408

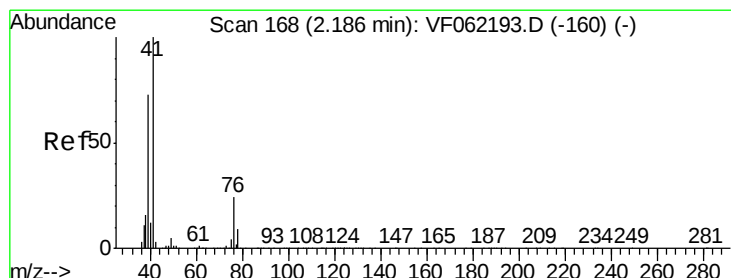
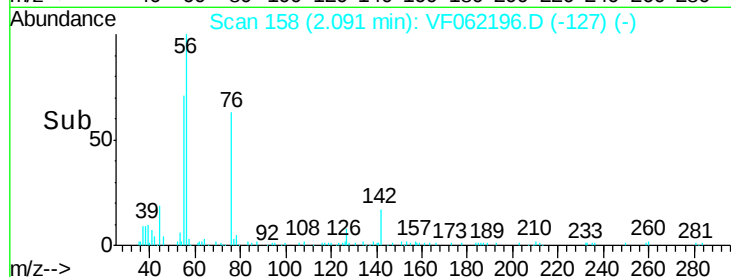
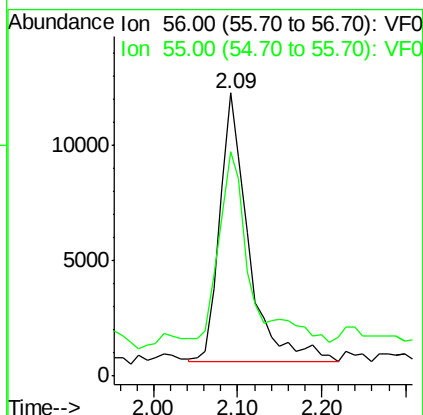
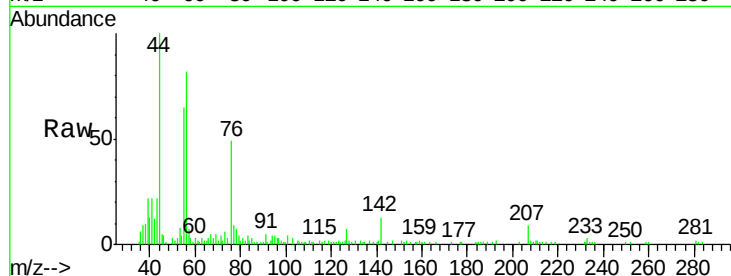
Ion Ratio Lower Upper

56 100

55 63.2 57.4 86.0

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#14

Allyl chloride

Concen: 50.048 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

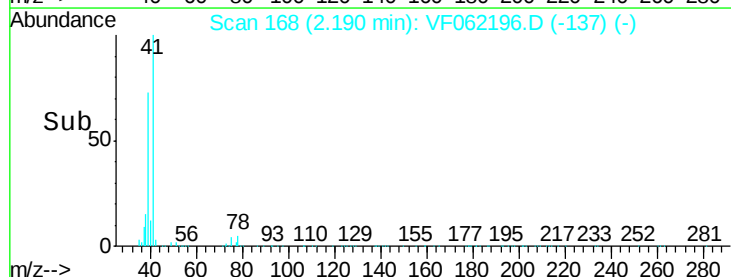
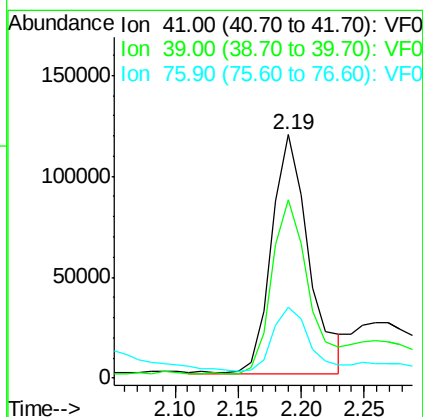
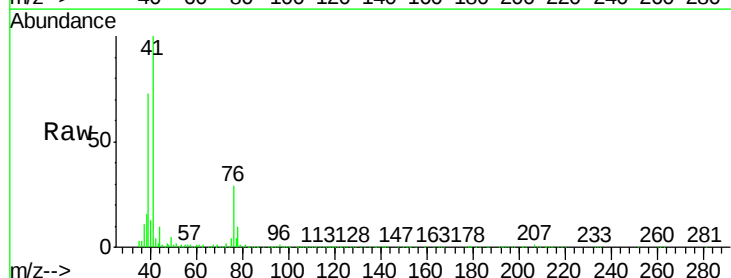
Tgt Ion: 41 Resp: 244984

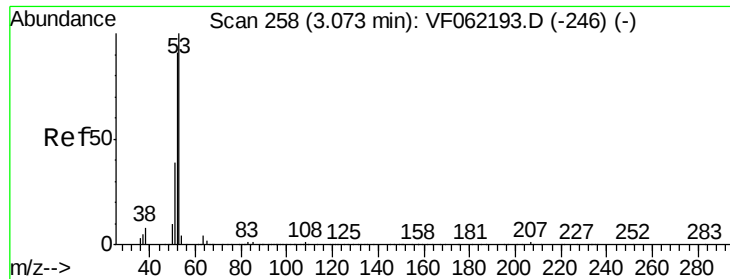
Ion Ratio Lower Upper

41 100

39 72.2 60.0 90.0

76 26.6 20.6 30.8





#15

Acrylonitrile

Concen: 249.962 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

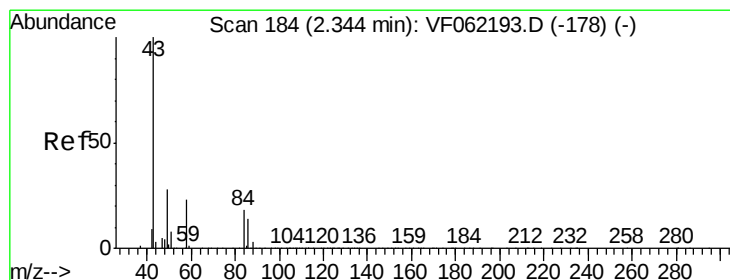
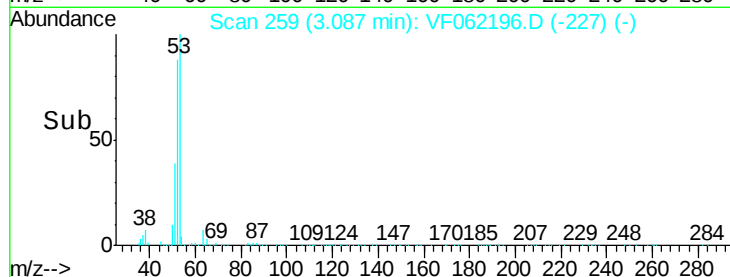
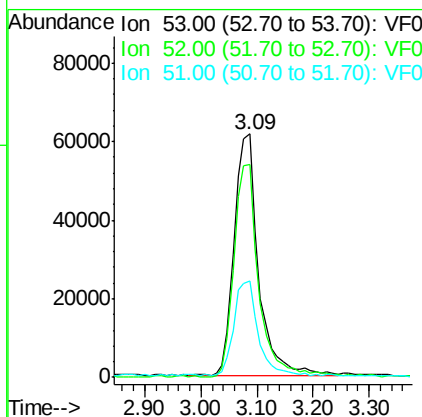
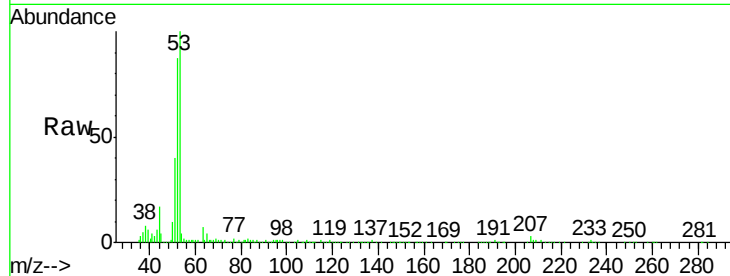
ClientSampleId :

ICVVF041719

Tot Ion:	53	Resp:	185801
Ion Ratio	Lower	Upper	
53	100		
52	89.5	69.5	104.3
51	38.4	31.8	47.8

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#16

Acetone

Concen: 219.080 ug/l

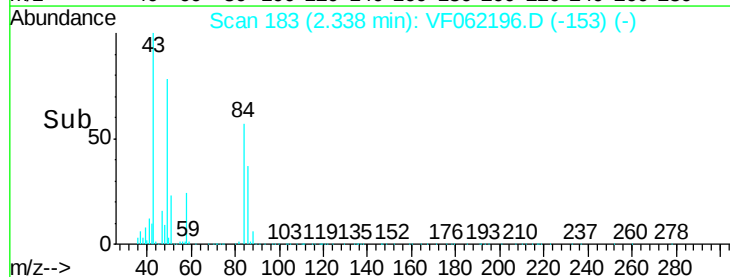
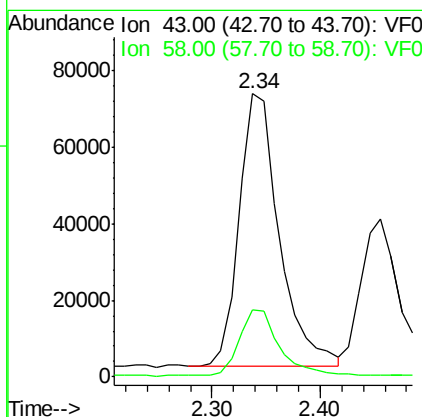
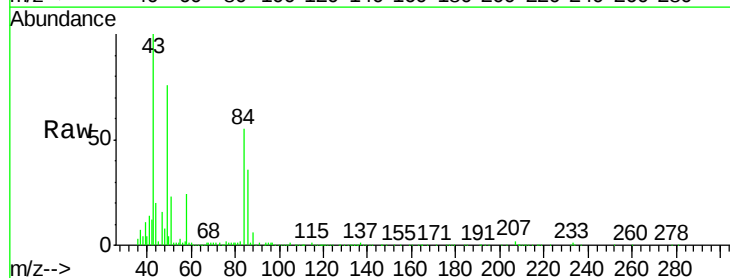
RT: 2.34 min Scan# 183

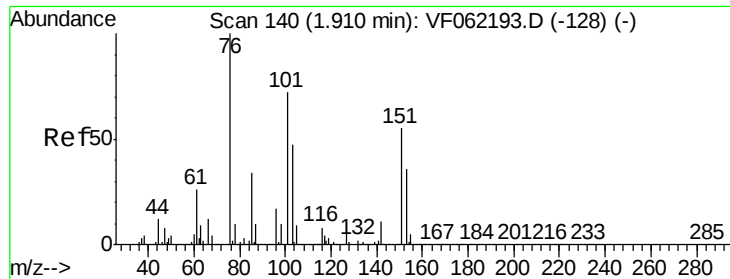
Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion:	43	Resp:	183853
Ion Ratio	Lower	Upper	
43	100		
58	24.1	18.8	28.2





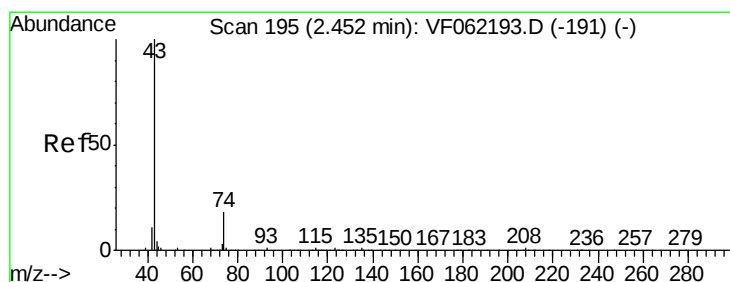
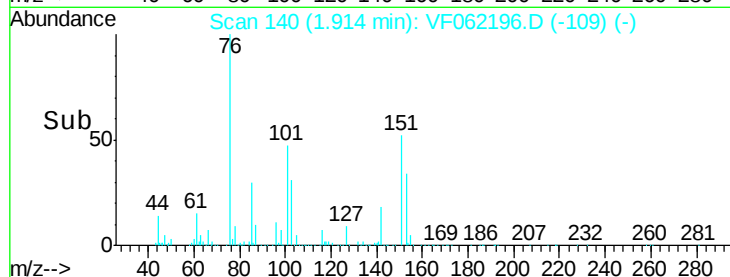
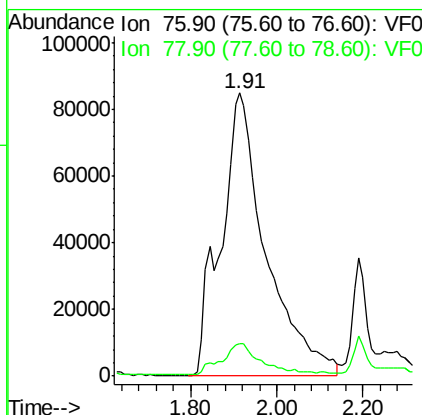
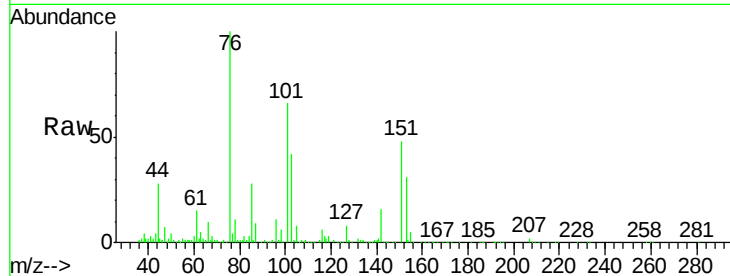
#17
Carbon Disulfide
Concen: 51.985 ug/l m
RT: 1.91 min Scan# 140
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.3	8.7	13.1

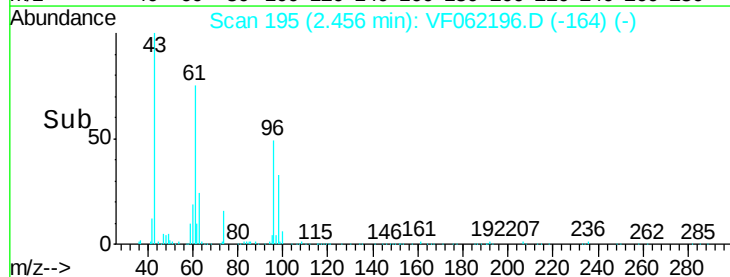
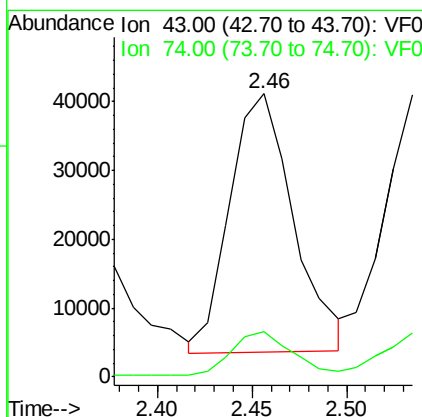
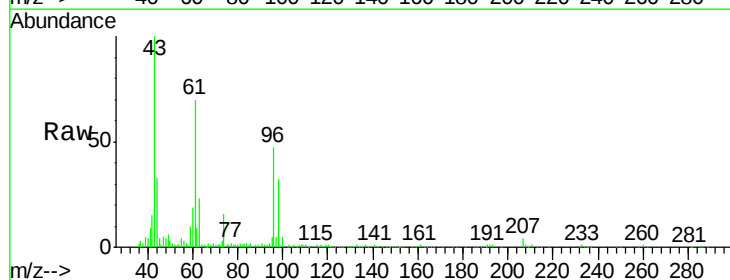
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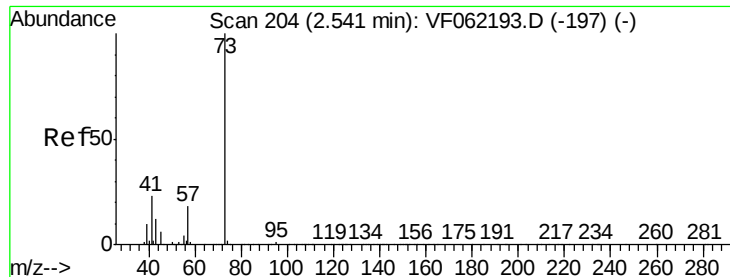
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#18
Methyl Acetate
Concen: 48.228 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.4	14.5	21.7





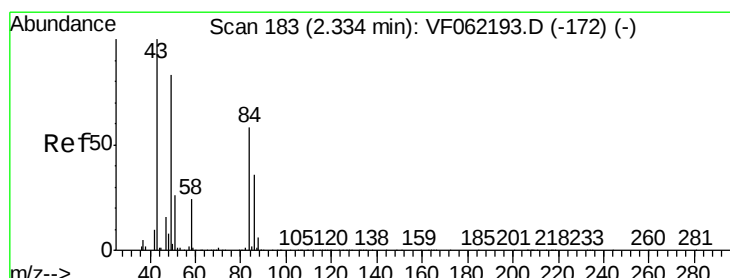
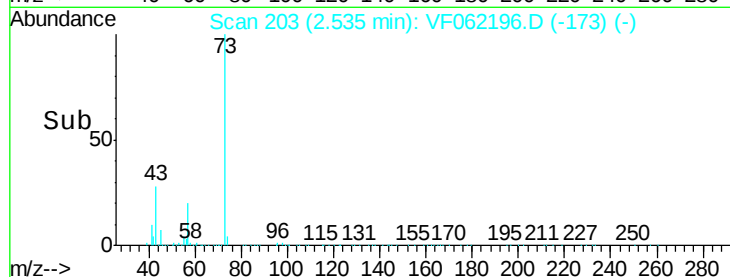
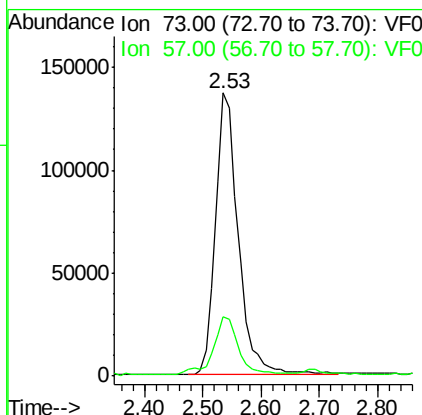
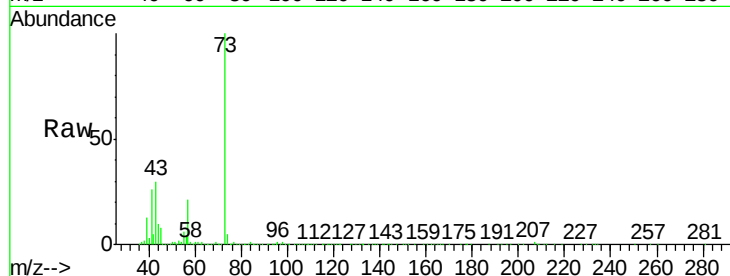
#19
Methvl tert-butvl Ether
Concen: 49.564 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	15.1	22.7

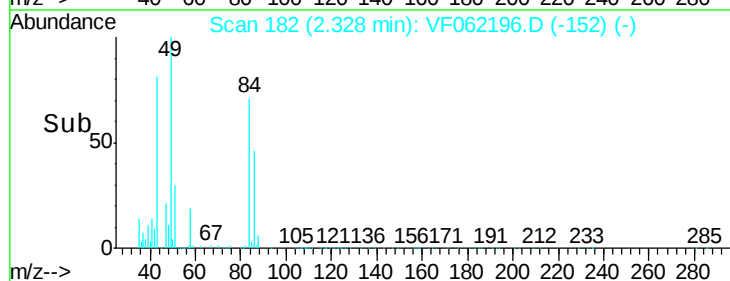
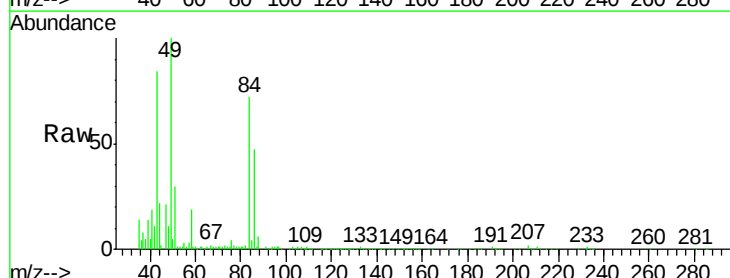
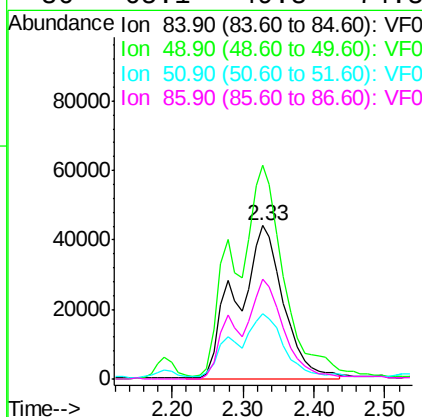
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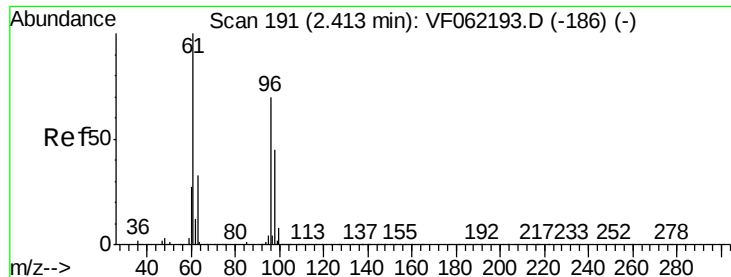
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#20
Methylene Chloride
Concen: 49.266 ug/l m
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.5	114.0	171.0
51	42.3	37.0	55.4
86	65.1	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 48.215 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

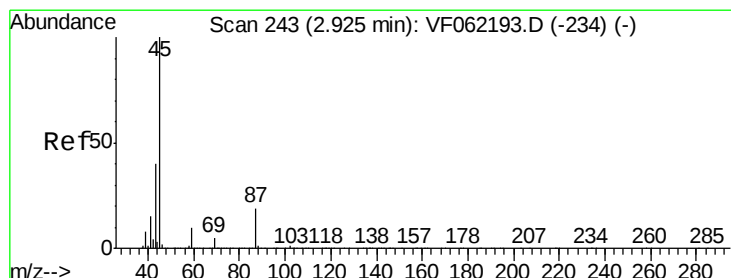
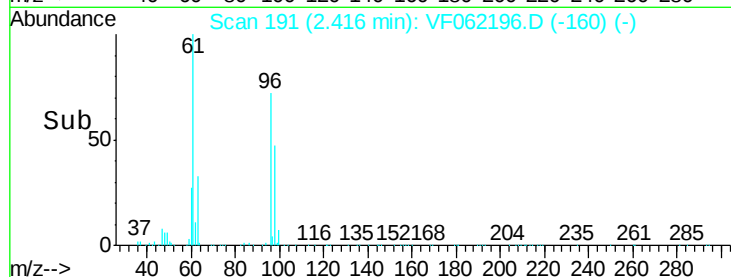
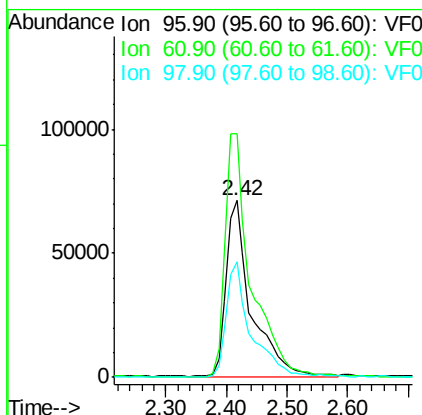
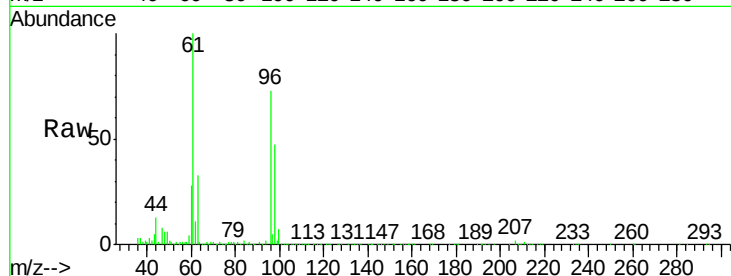
ClientSampleId :

ICVVF041719

Tot Ion:	96	Resp:	203372
Ion	Ratio	Lower	Upper
96	100		
61	138.3	114.6	172.0
98	65.4	51.2	76.8

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#22

Diisopropyl ether

Concen: 47.722 ug/l

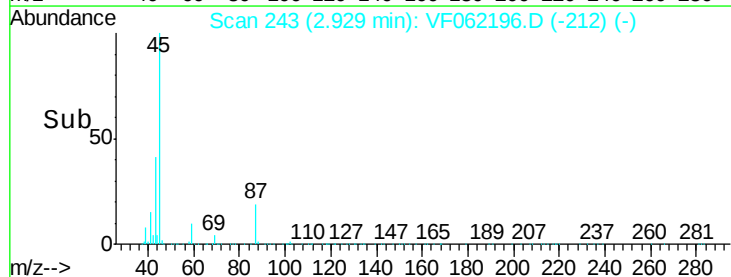
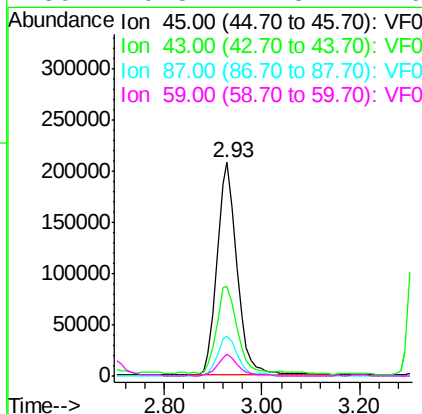
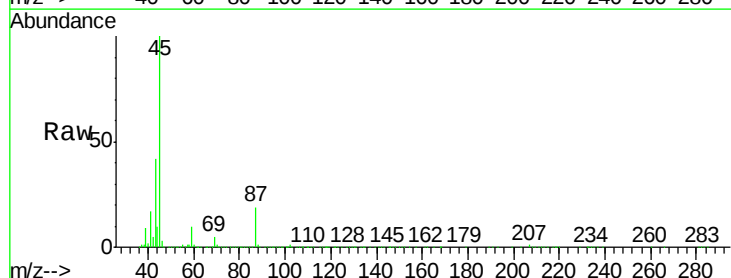
RT: 2.93 min Scan# 243

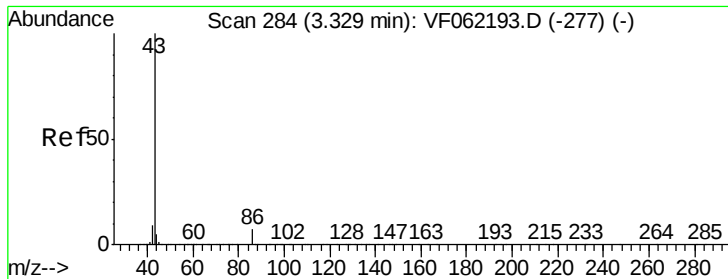
Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion:	45	Resp:	597544
Ion	Ratio	Lower	Upper
45	100		
43	41.4	32.8	49.2
87	18.9	15.2	22.8
59	9.8	7.8	11.6





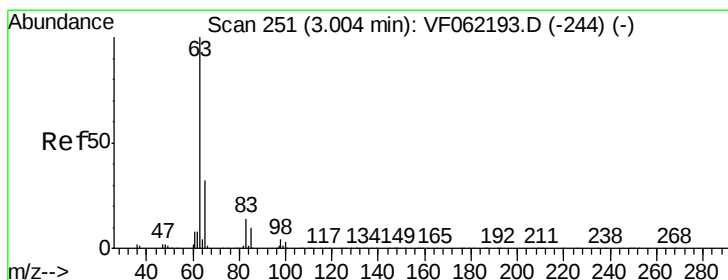
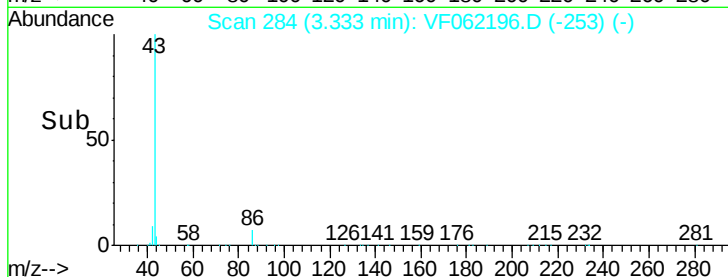
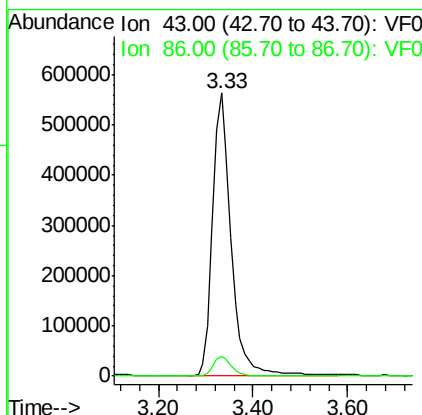
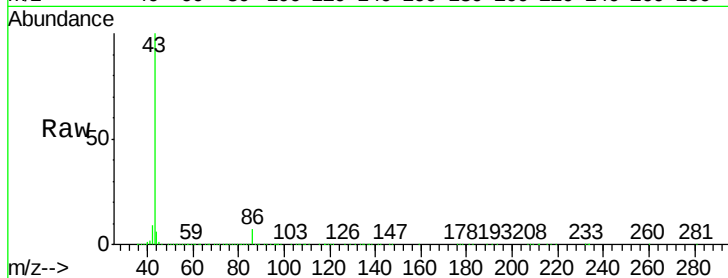
#23
 Vinyl Acetate
 Concen: 254.258 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041719

Tot Ion: 43 Resp: 1516837
 Ion Ratio Lower Upper
 43 100
 86 7.1 5.9 8.9

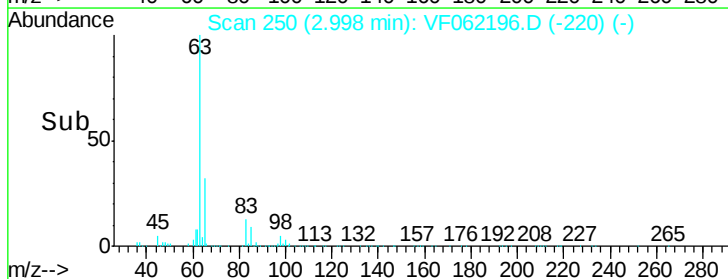
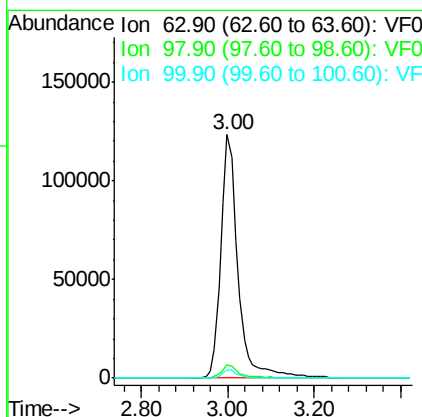
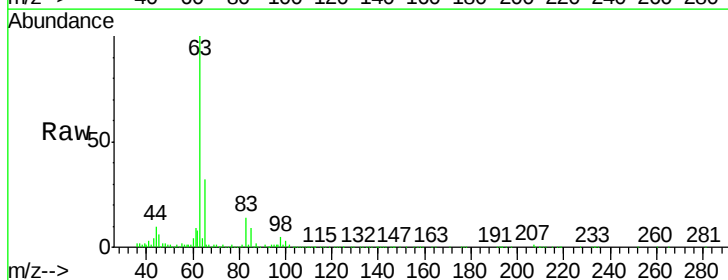
Manual Integrations
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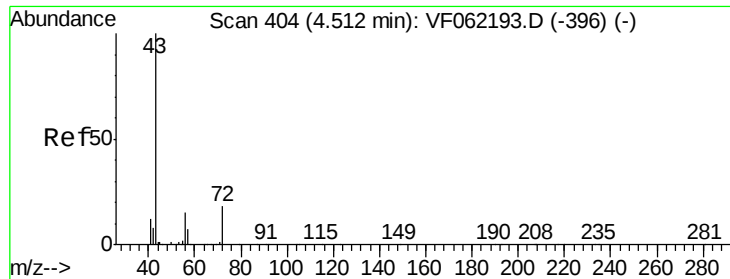
MMDadoda
 4/19/2019 10:53:38 AM



#24
 1,1-Dichloroethane
 Concen: 49.159 ug/l
 RT: 3.00 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion: 63 Resp: 336719
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.3 6.8
 100 3.2 1.7 5.0





#25

2-Butanone

Concen: 232.949 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041719

Tot Ion: 43 Resp: 390895

Ion Ratio Lower Upper

43 100

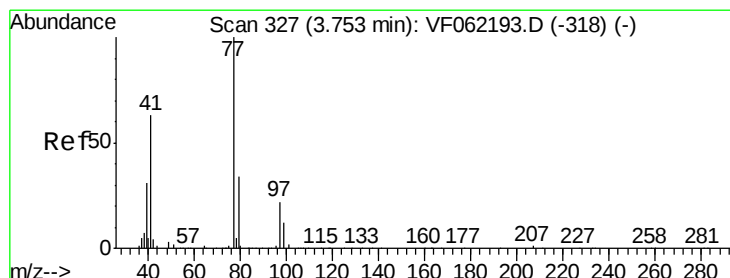
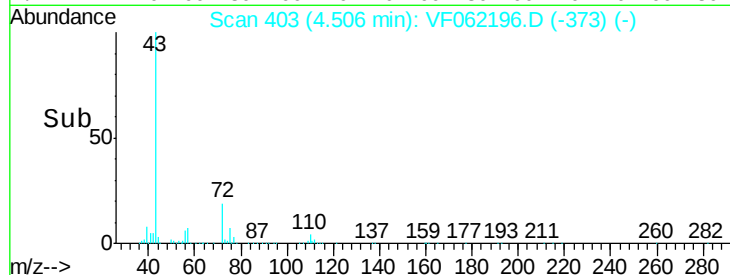
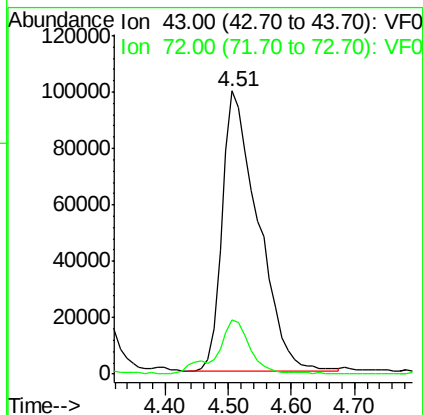
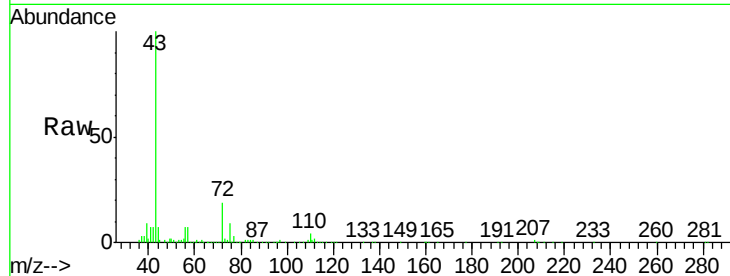
72 19.3 16.1 24.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.190 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF062196.D

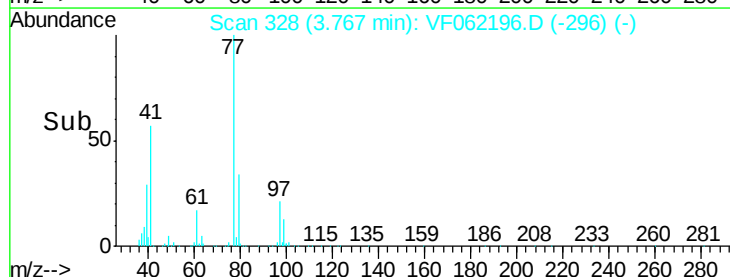
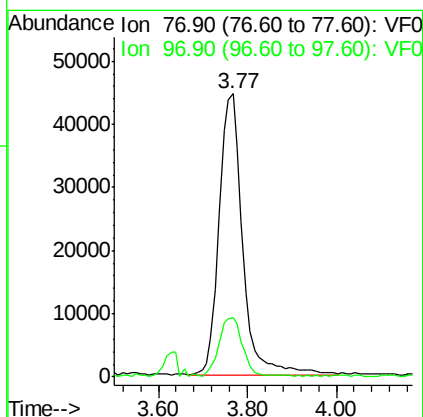
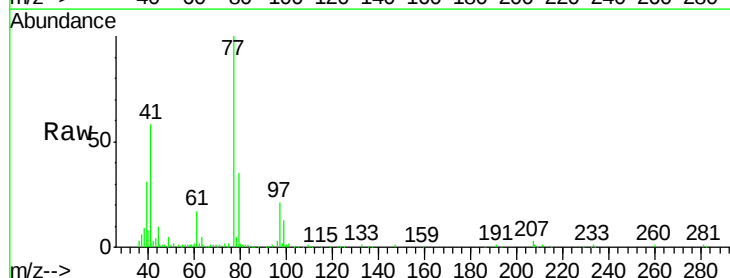
Acq: 17 Apr 2019 20:33

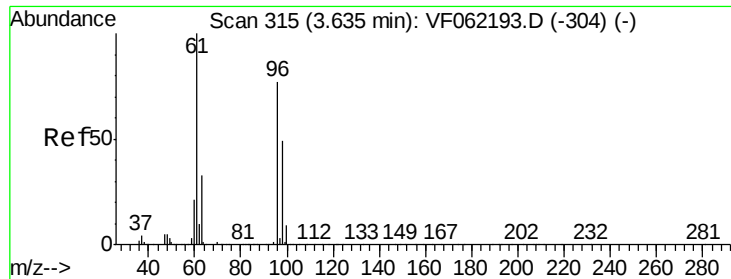
Tgt Ion: 77 Resp: 163191

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.3





#27

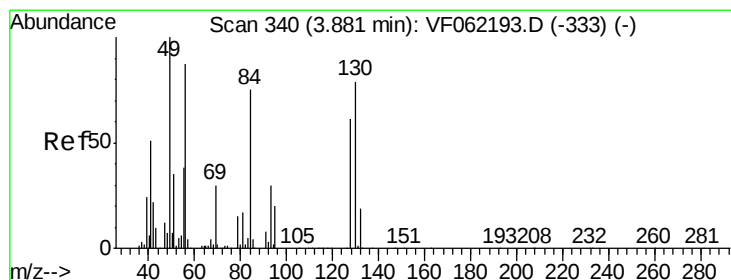
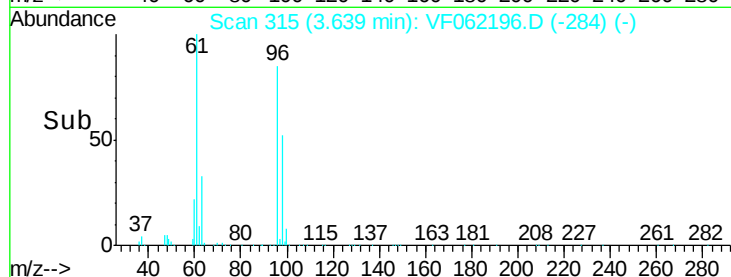
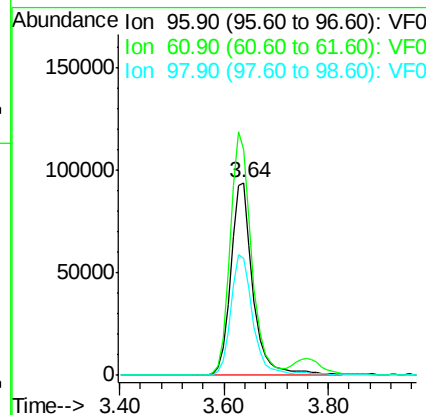
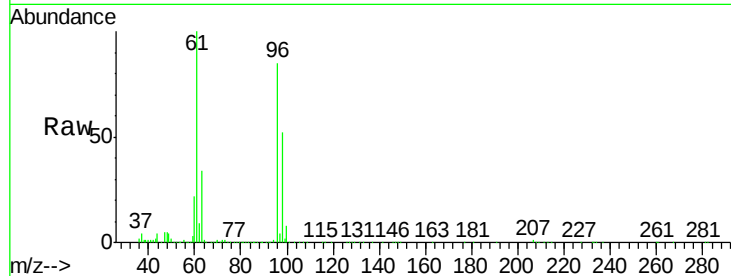
cis-1,2-Dichloroethene
Concen: 49.206 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	Ratio	Resp	Lower	Upper
96	100	268778		
61	123.8		0.0	253.6
98	62.1		0.0	124.8

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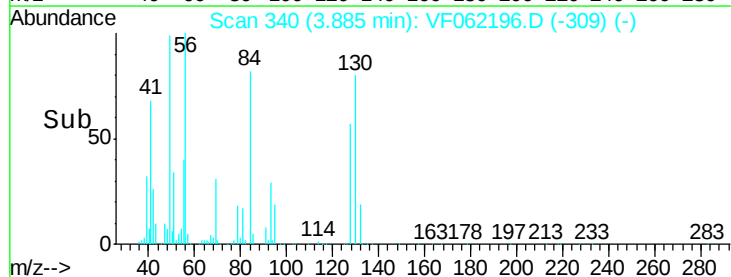
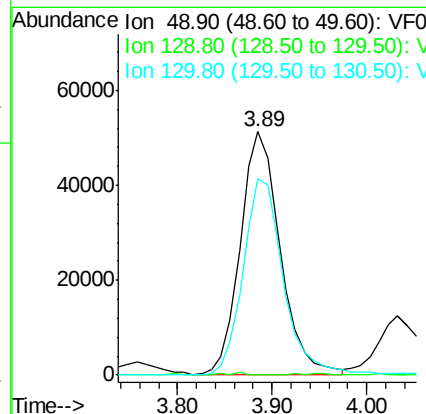
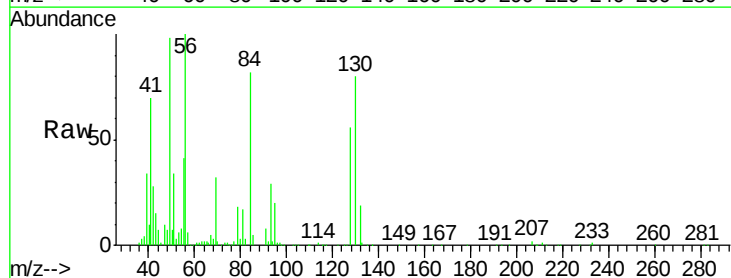
MMDadoda
4/19/2019 10:53:38 AM



#28

Bromochloromethane
Concen: 45.476 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	149213		
129	0.0		0.0	0.0
130	82.7		66.6	100.0





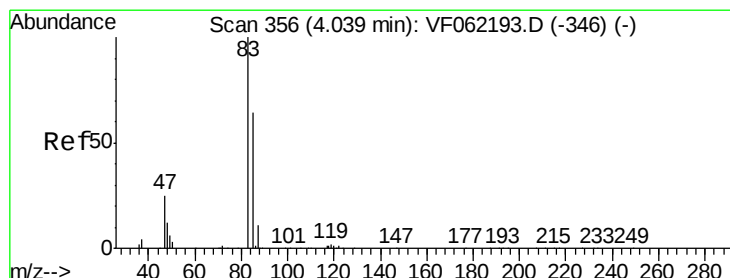
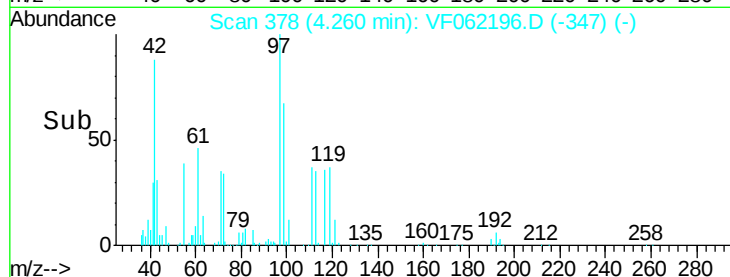
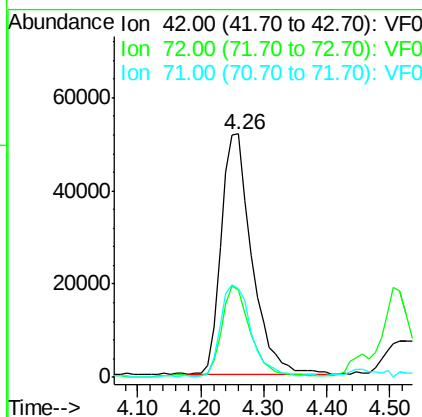
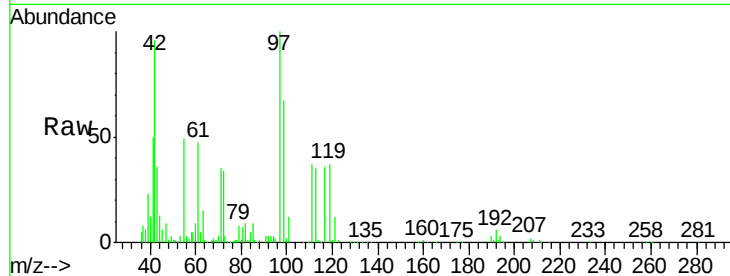
#29
Tetrahydrofuran
Concen: 229.065 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	28.6	43.0
71	38.4	29.2	43.8

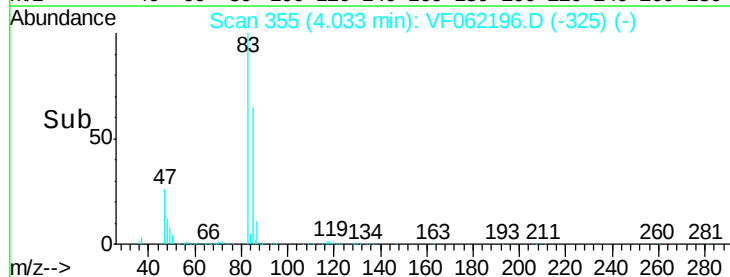
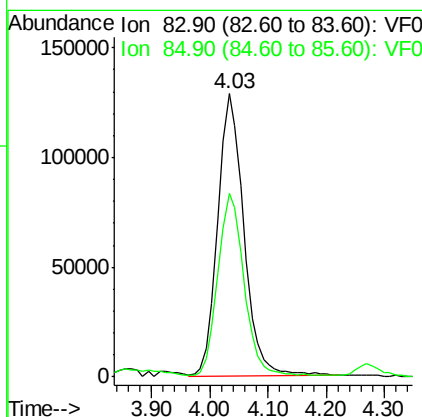
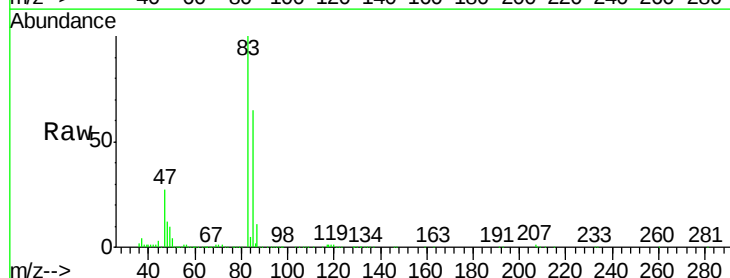
Manual Integrations
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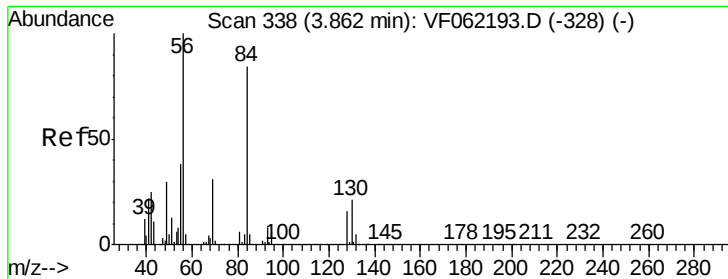
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#30
Chloroform
Concen: 47.770 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





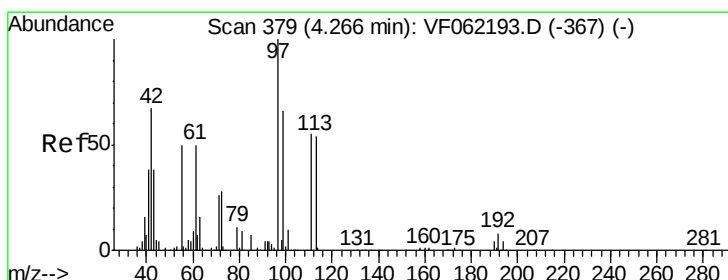
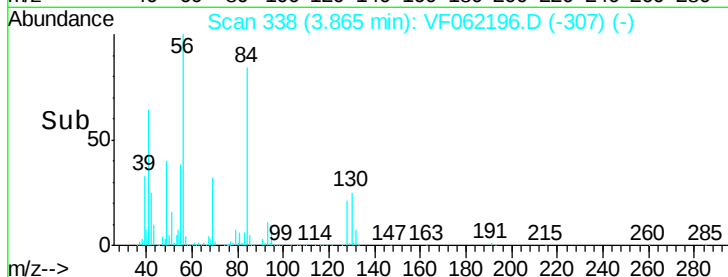
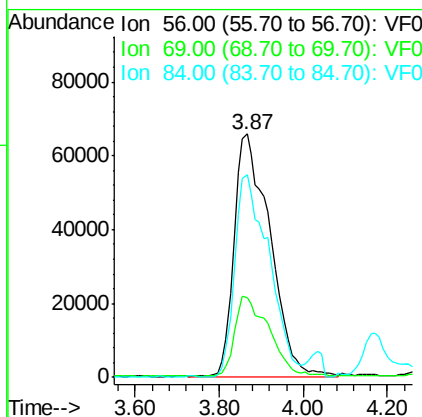
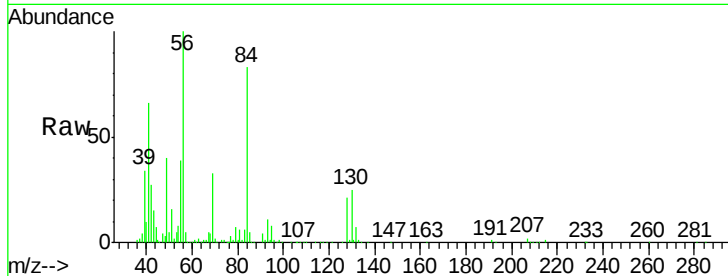
#31
Cyclohexane
Concen: 47.053 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.1	37.7
84	82.9	67.8	101.6

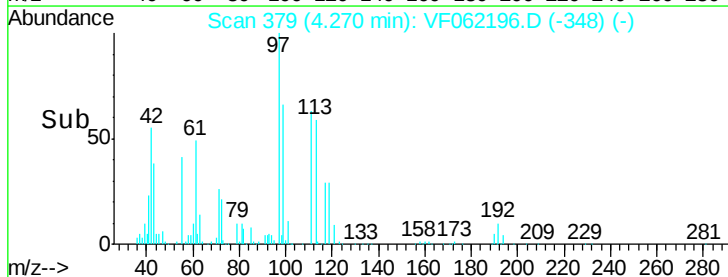
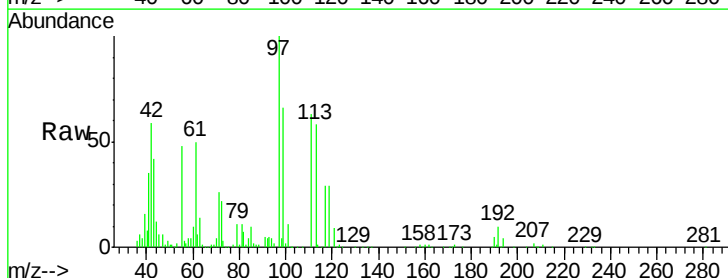
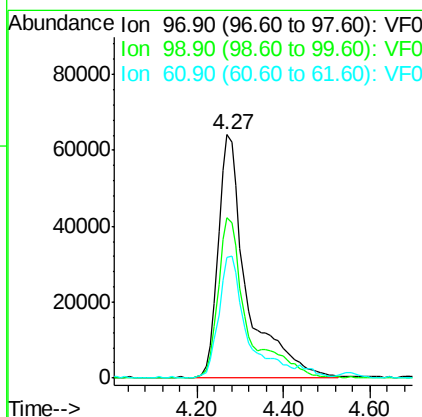
Manual Integrations
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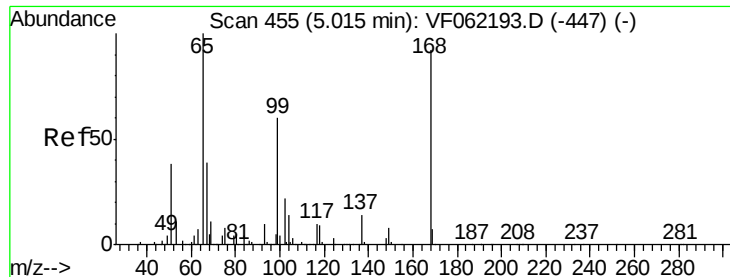
MMDadoda
4/19/2019 10:53:38 AM



#32
1,1,1-Trichloroethane
Concen: 47.818 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.7	79.1
61	49.8	53.0	79.4#





#33

1,2-Dichloroethane-d4

Concen: 49.618 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041719

Tot Ion: 65 Resp: 174206

Ion Ratio Lower Upper

65 100

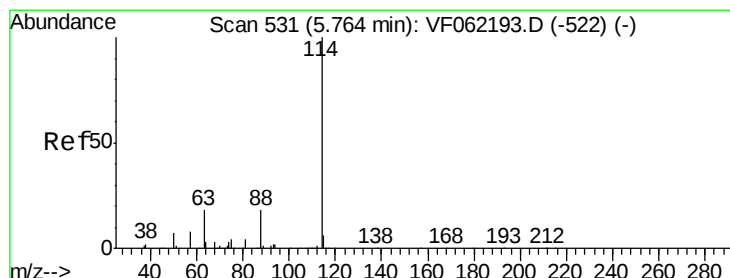
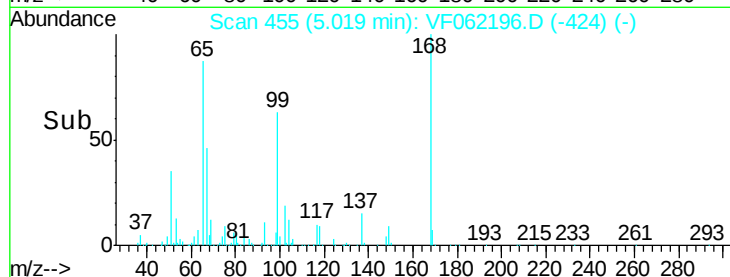
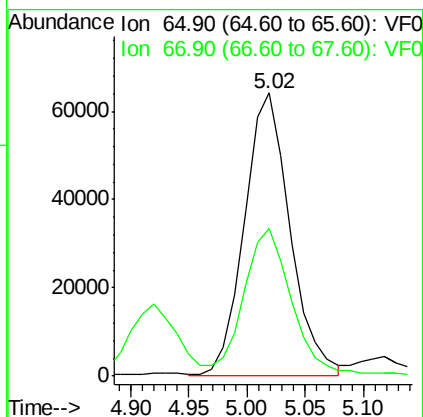
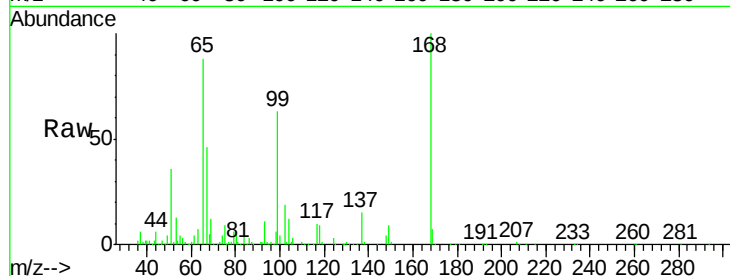
67 53.8 0.0 109.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

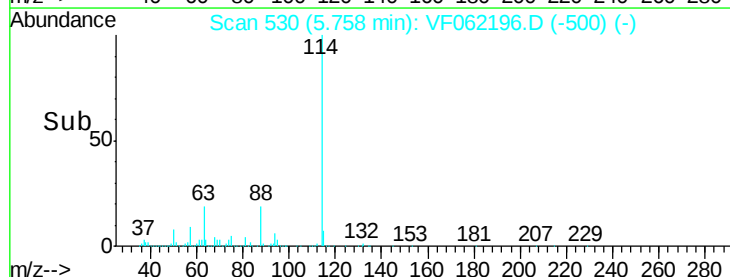
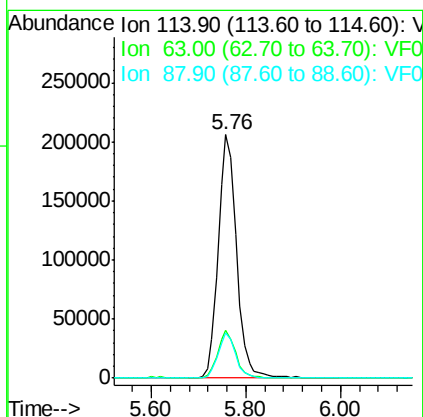
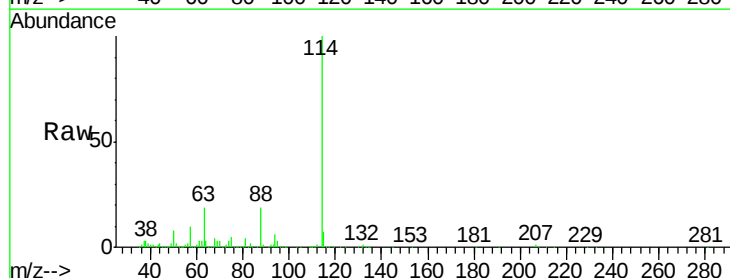
Tgt Ion: 114 Resp: 553137

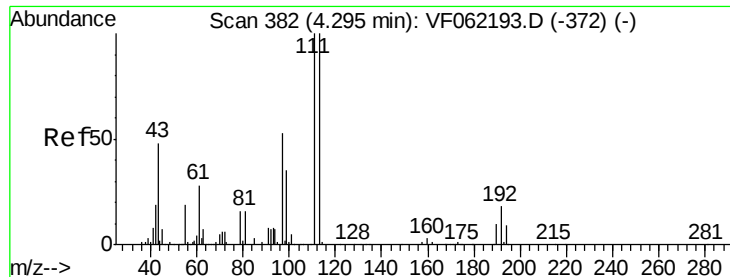
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.6

88 18.5 0.0 35.8





#35

Dibromofluoromethane

Concen: 46.828 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

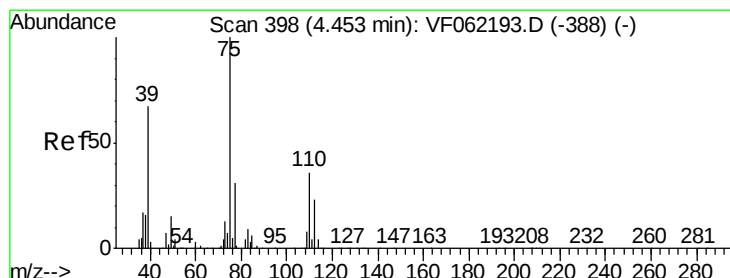
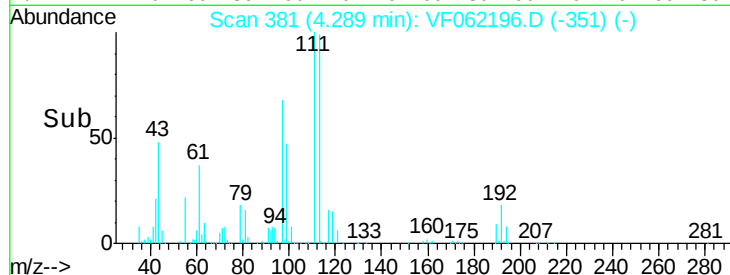
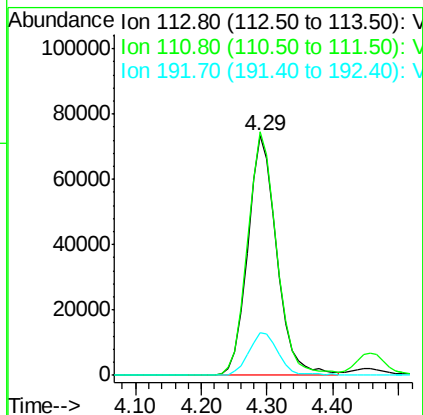
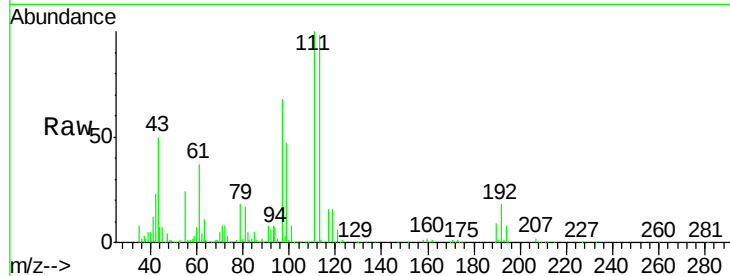
ClientSampleId :

ICVVF041719

Tot Ion:	113	Resp:	226577
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.1	121.7
192	18.6	14.7	22.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.281 ug/l

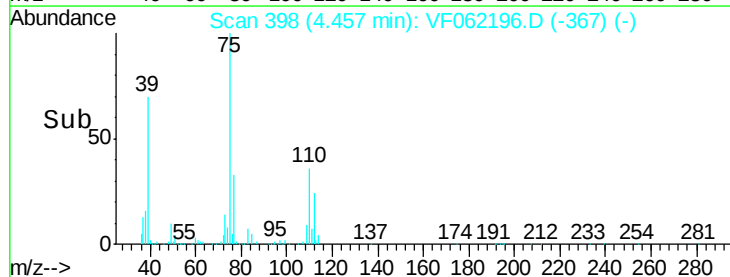
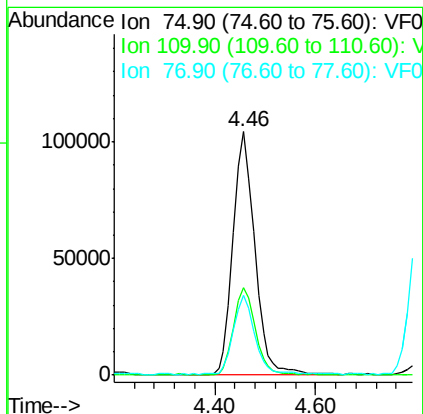
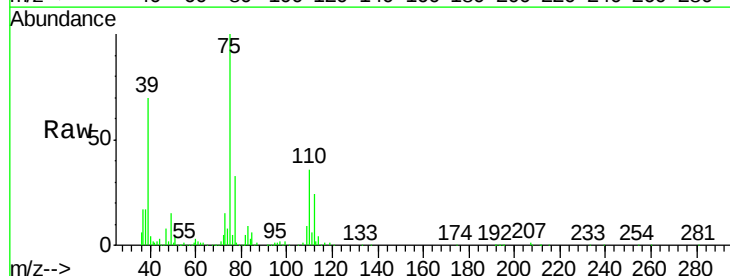
RT: 4.46 min Scan# 398

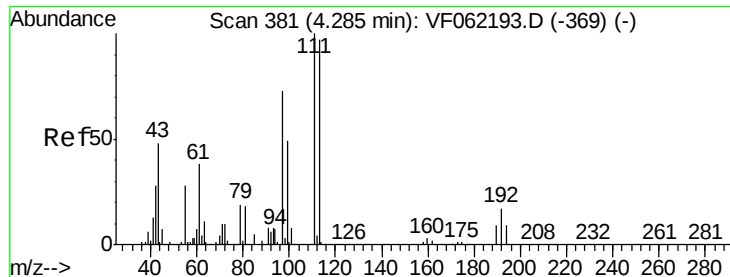
Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion:	75	Resp:	313559
Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.4	55.2
77	31.5	25.4	38.2





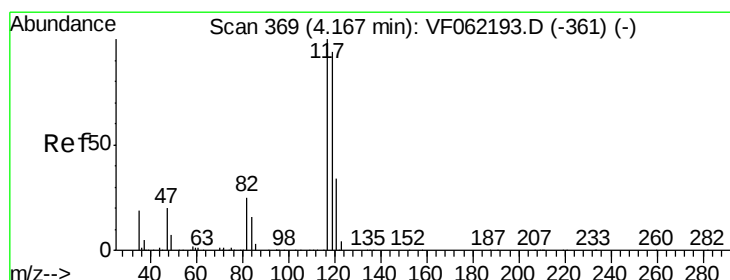
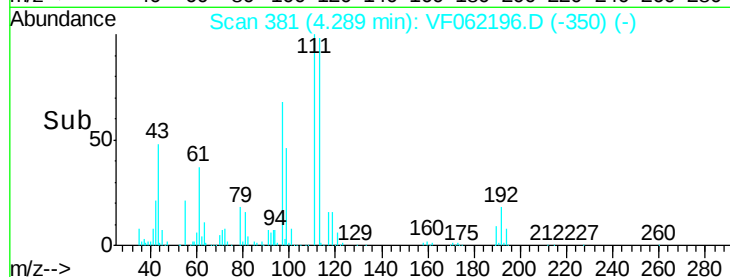
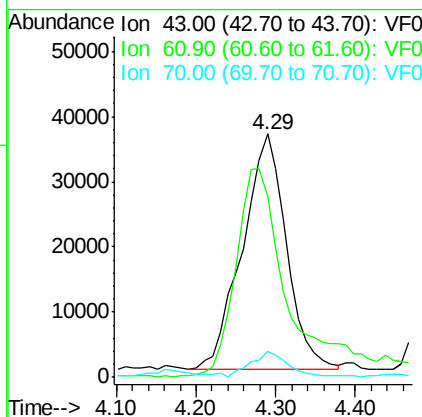
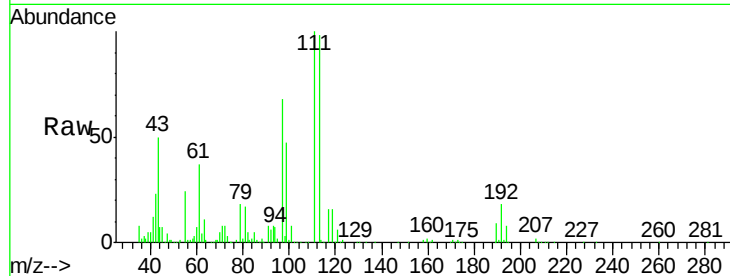
#37
Ethyl Acetate
Concen: 44.180 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	106.1	0.0	0.0	
70	9.8	7.8	11.6	

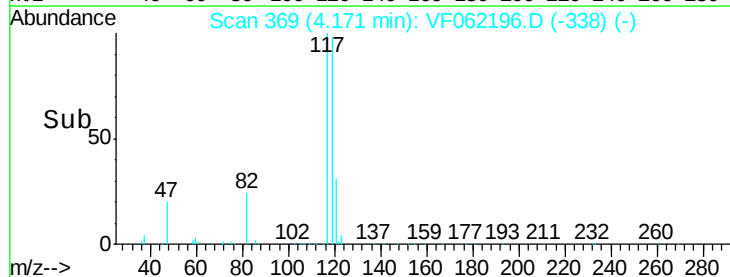
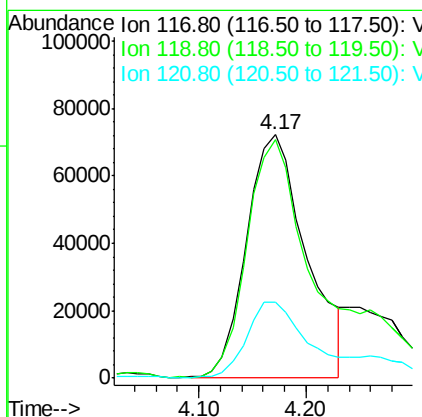
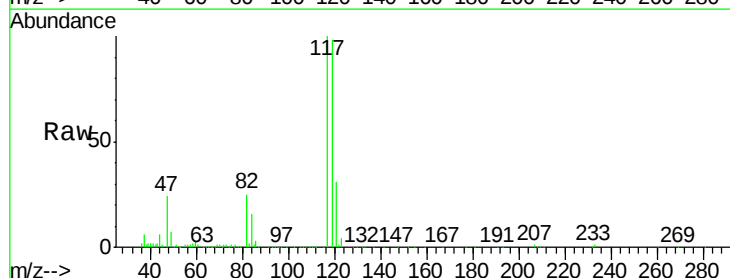
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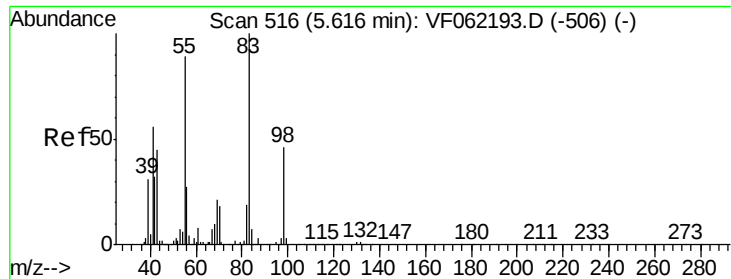
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#38
Carbon Tetrachloride
Concen: 47.880 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.2	75.0	112.4	
121	31.1	26.9	40.3	





#39

Methvlcvclohexane

Concen: 48.835 ug/l

RT: 5.62 min Scan# 516

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

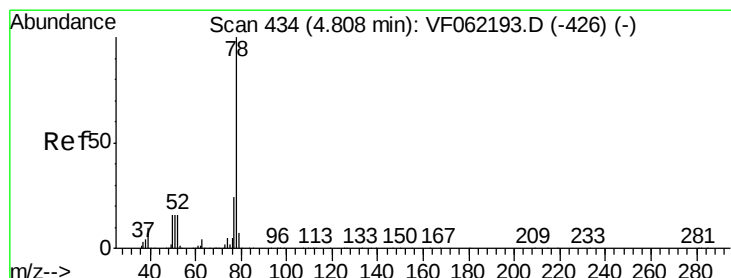
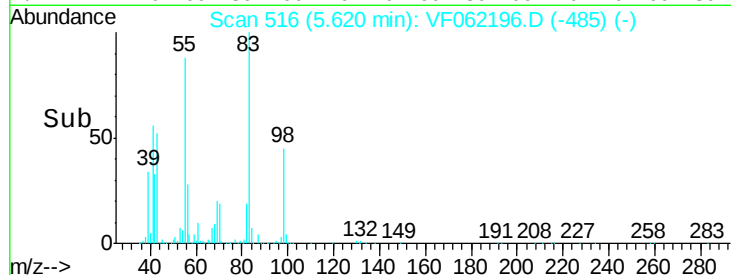
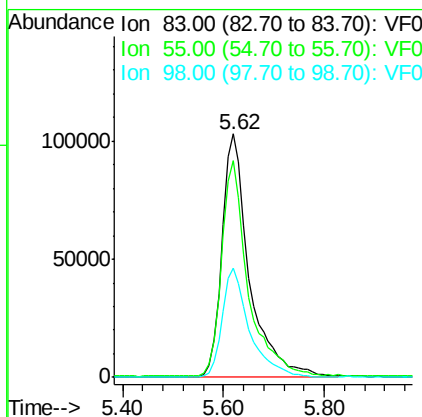
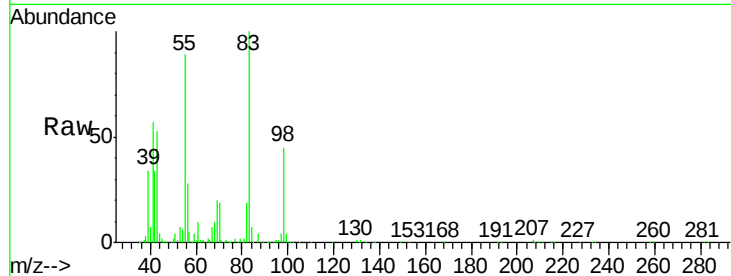
ClientSampleId :

ICVVF041719

Tot Ion:	83	Resp:	387767
Ion	Ratio	Lower	Upper
83	100		
55	88.4	71.0	106.6
98	45.1	36.7	55.1

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#40

Benzene

Concen: 47.241 ug/l

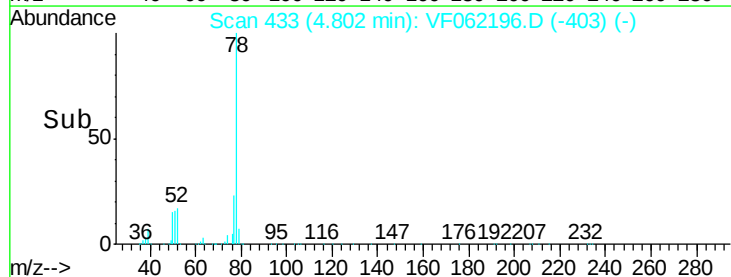
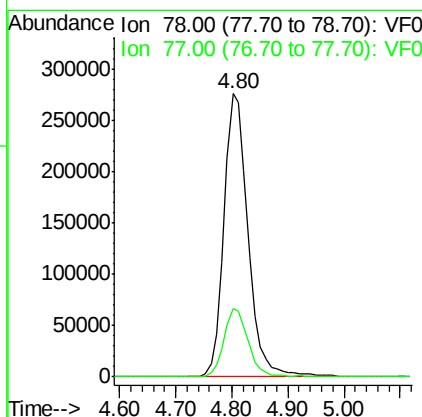
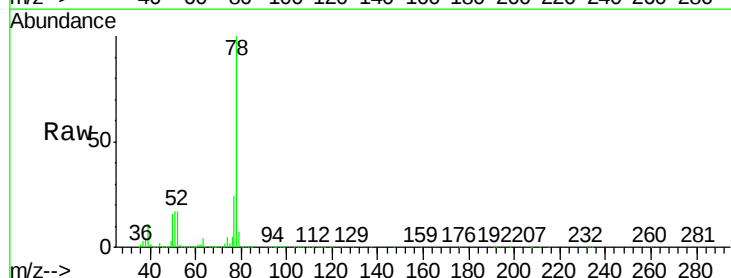
RT: 4.80 min Scan# 433

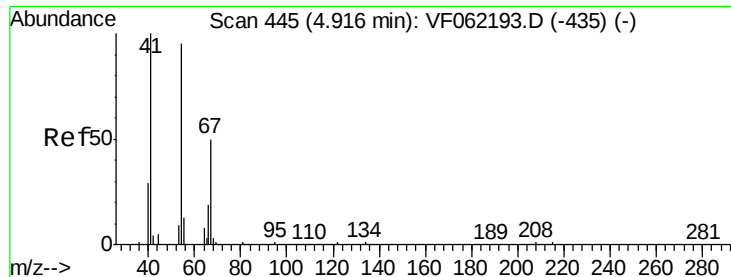
Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion:	78	Resp:	821754
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





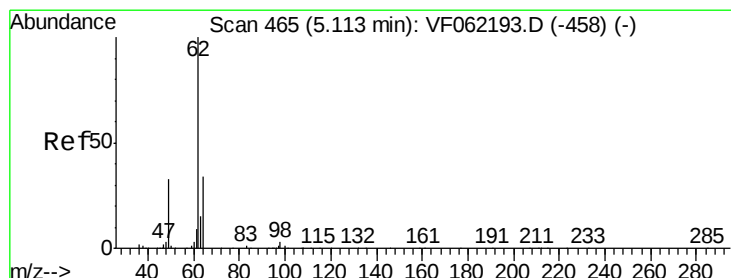
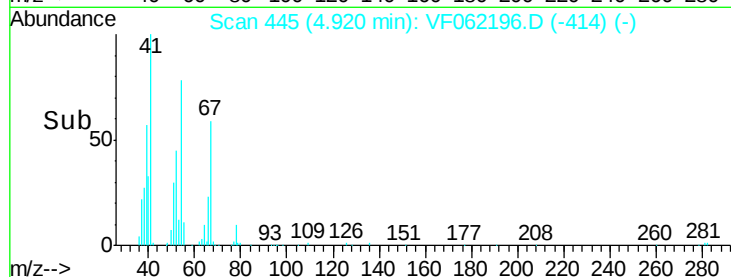
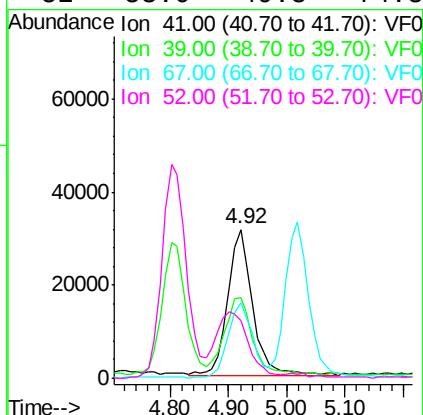
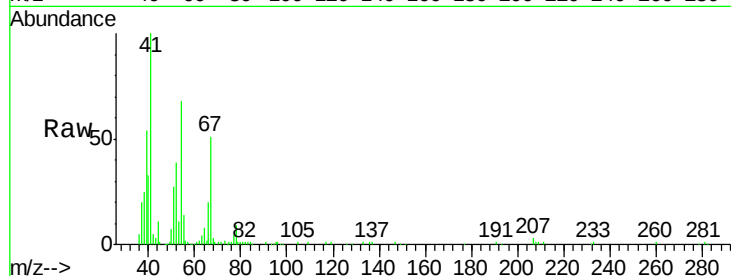
#41
Methacrylonitrile
Concen: 51.423 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	41	Resp	92825
Ion Ratio	Lower	Upper	
41	100		
39	59.2	44.7	67.1
67	51.2	39.1	58.7
52	53.0	49.8	74.8

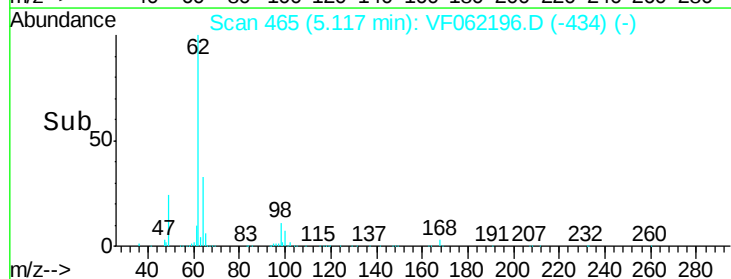
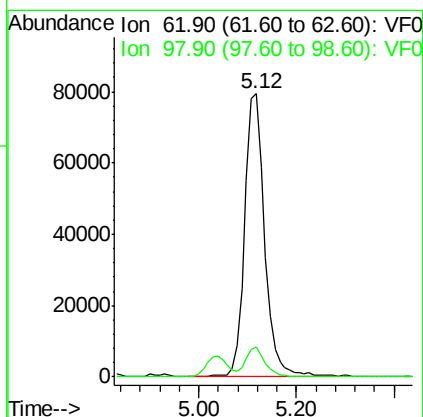
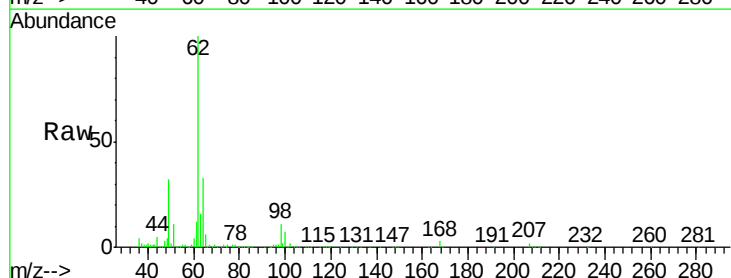
Manual Integrations
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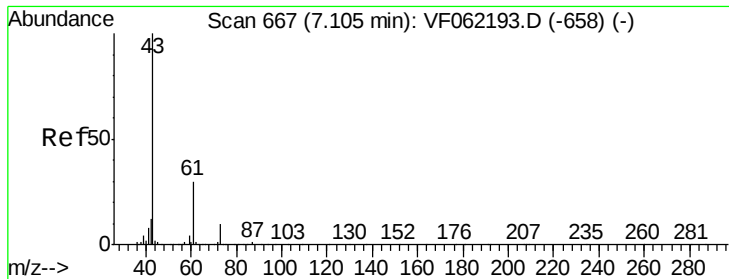
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.412 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	62	Resp	227224
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	19.0





#43

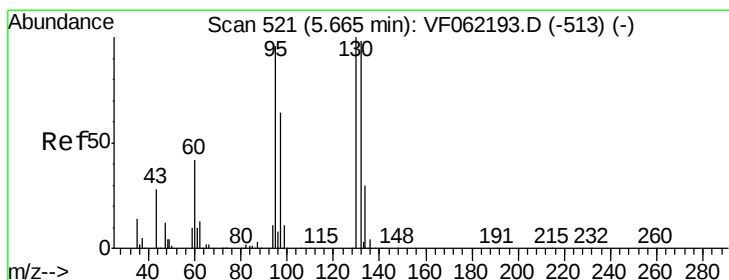
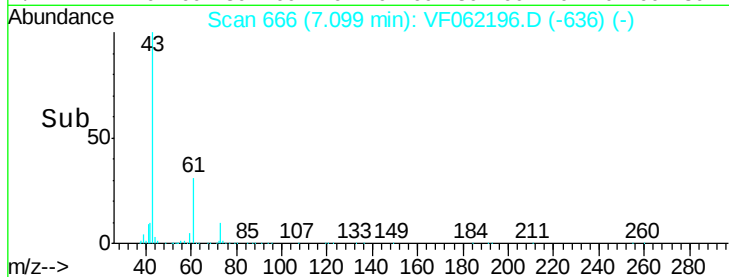
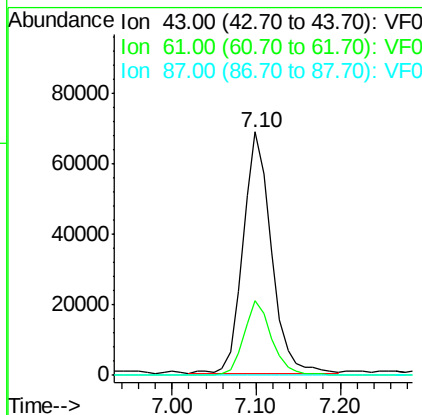
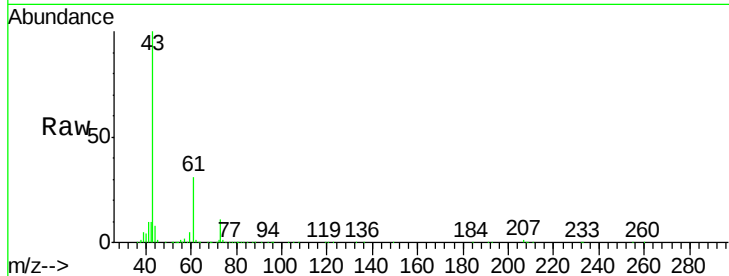
Isopropyl Acetate
 Concen: 48.996 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041719

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.4	36.6
87	0.5	0.4	0.6

Manual Integrations
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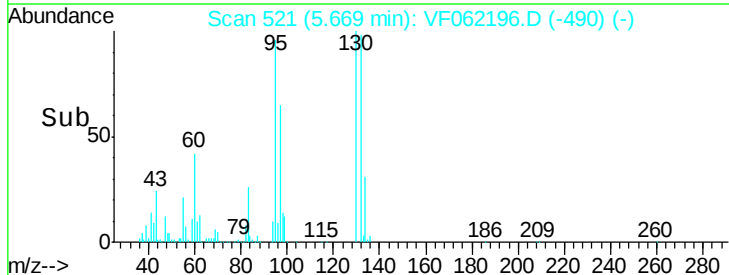
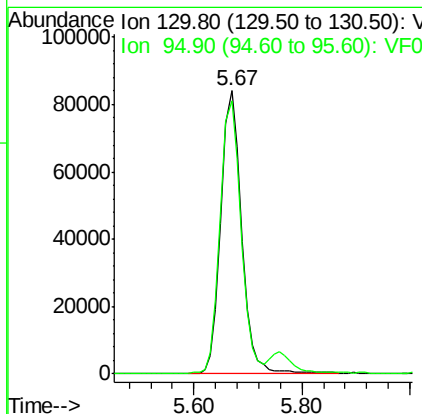
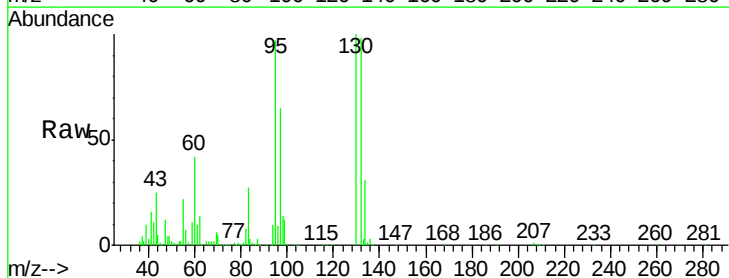
MMDadoda
 4/19/2019 10:53:38 AM

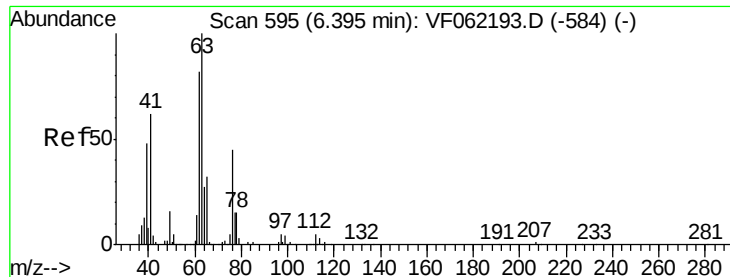


#44

Trichloroethene
 Concen: 47.712 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	191.4





#45

1,2-Dichloropropane

Concen: 49.722 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

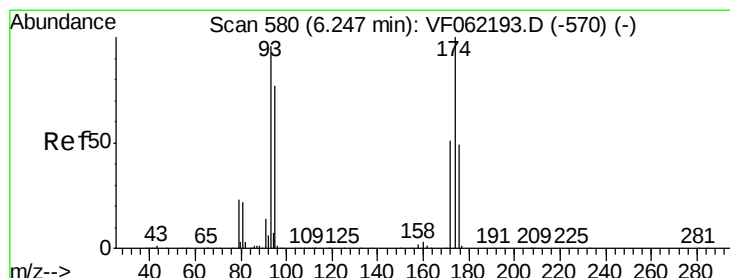
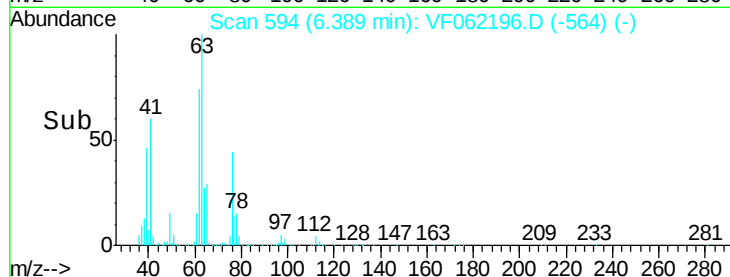
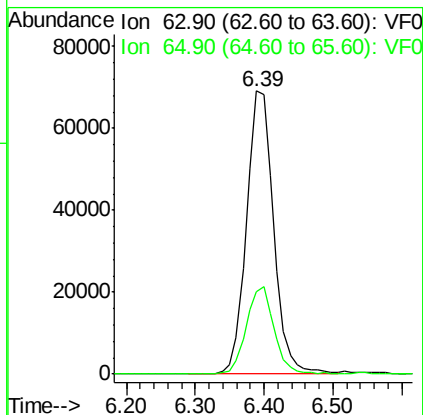
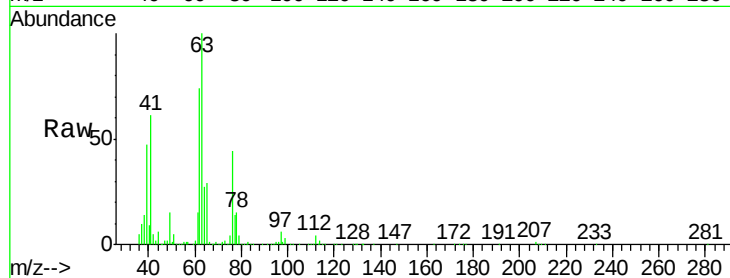
ClientSampleId :

ICVVF041719

Tot Ion	Ratio	Resp	Lower	Upper
63	100	190517		
65	29.0		25.9	38.9

Manual Integrations
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#46

Dibromomethane

Concen: 49.738 ug/l

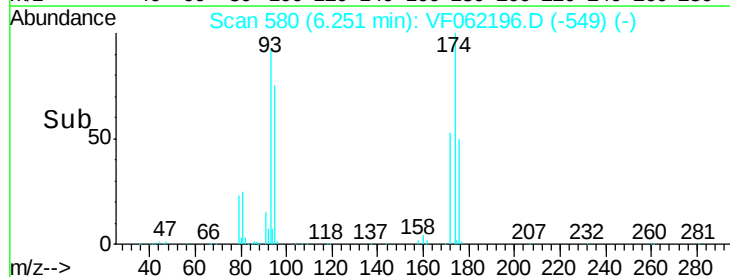
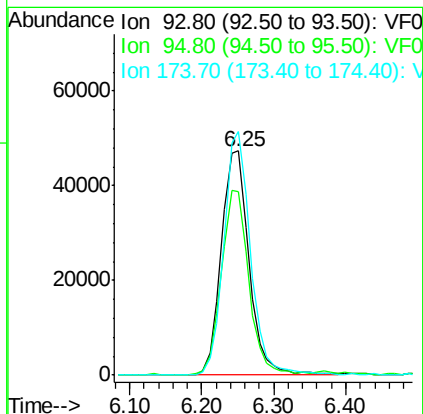
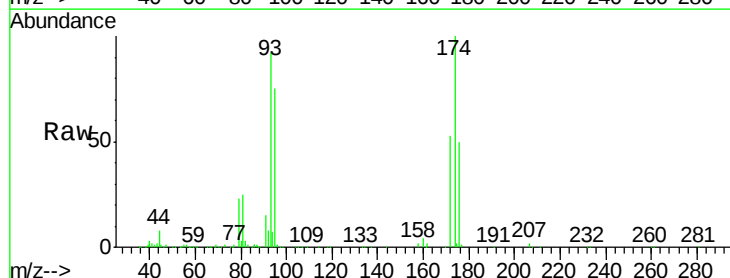
RT: 6.25 min Scan# 580

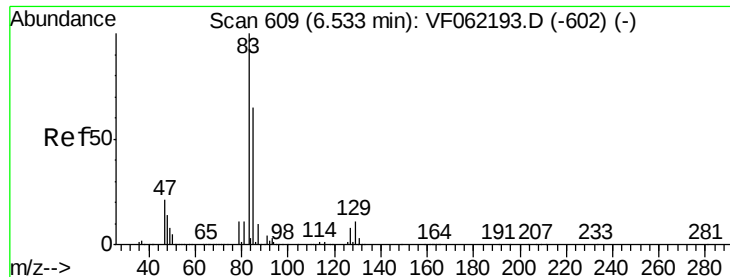
Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	126797		
95	80.7		65.1	97.7
174	104.3		81.8	122.6





#47

Bromodichloromethane

Concen: 49.811 ug/l

RT: 6.54 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

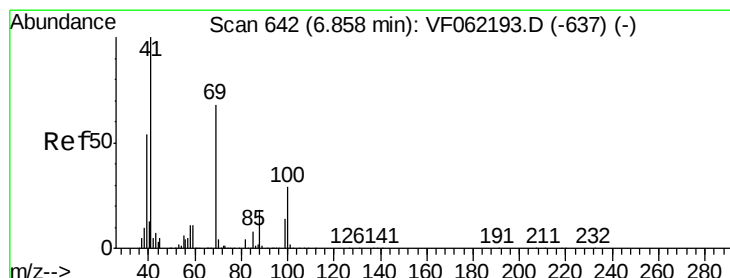
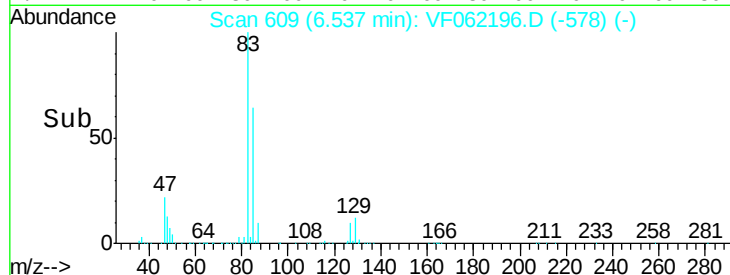
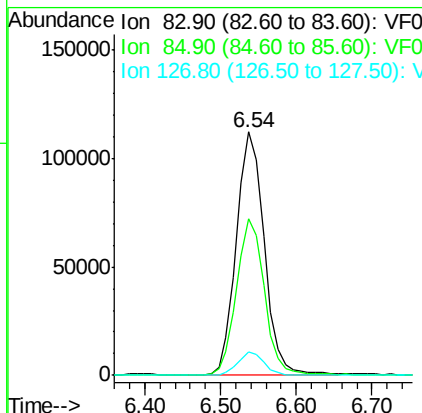
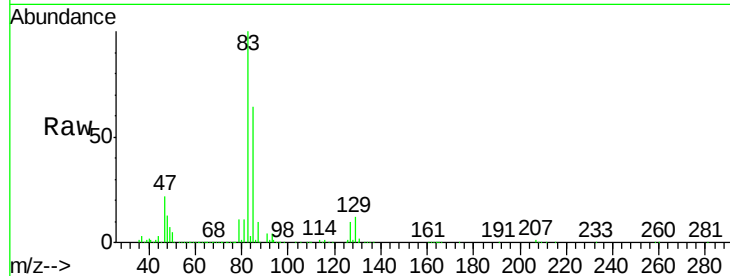
ClientSampleId :

ICVVF041719

Tot Ion:	83	Resp:	286552
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.2	78.4
127	9.8	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.284 ug/l

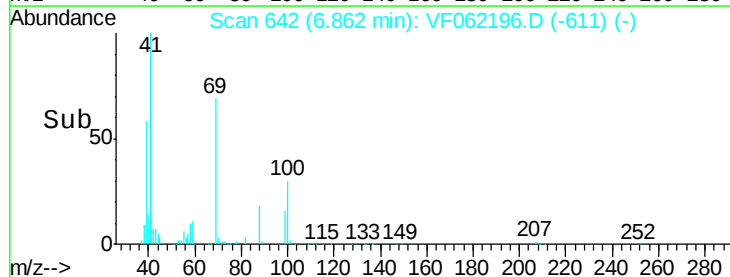
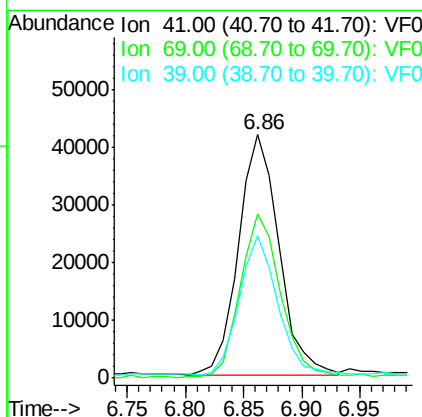
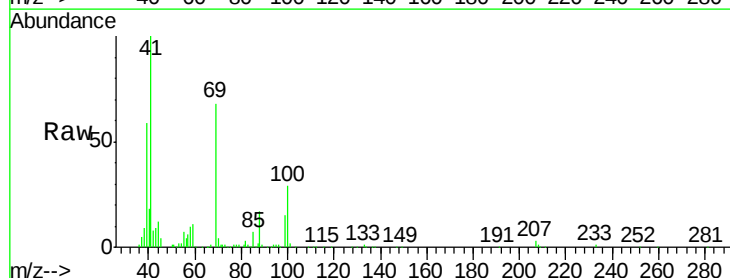
RT: 6.86 min Scan# 642

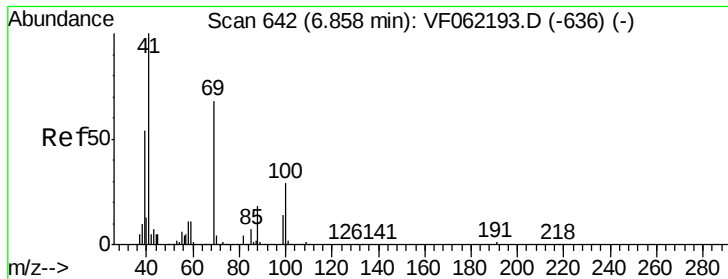
Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion:	41	Resp:	100114
Ion Ratio	Lower	Upper	
41	100		
69	67.4	54.9	82.3
39	54.9	43.6	65.4





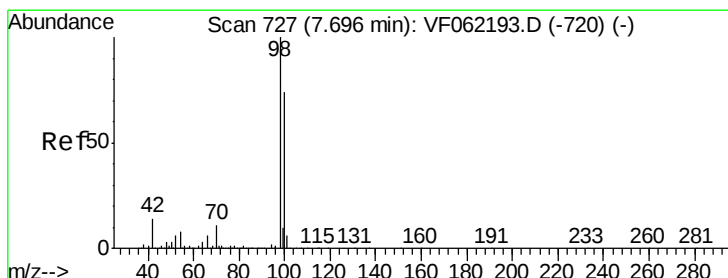
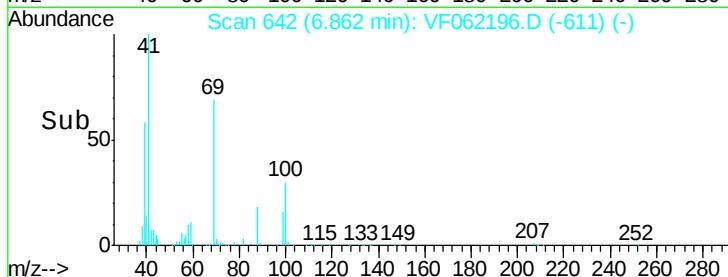
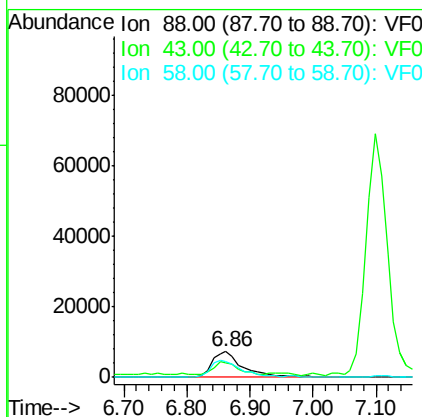
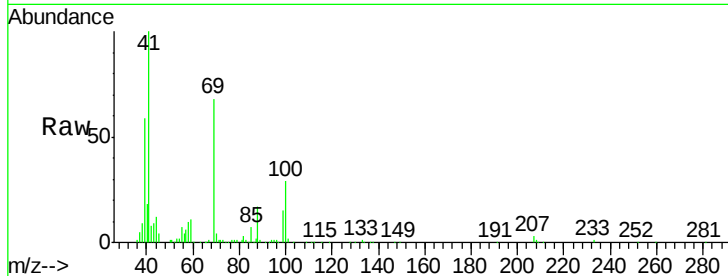
#49
1,4-Dioxane
Concen: 1015.689 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.3		36.9	55.3#
58	65.3		56.8	85.2

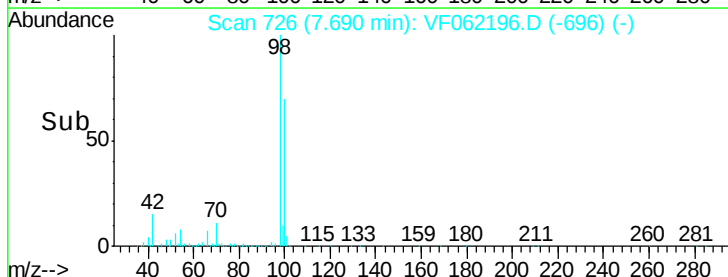
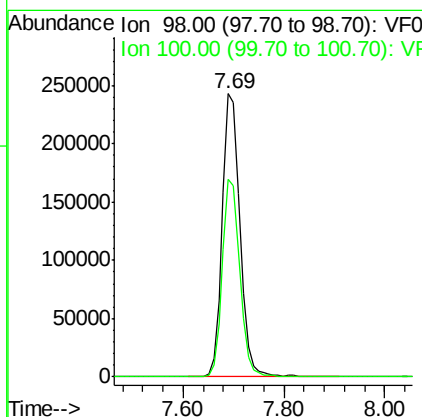
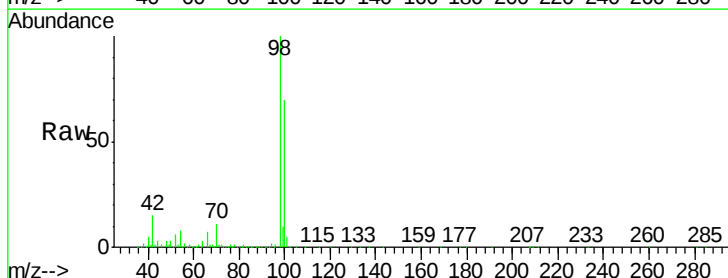
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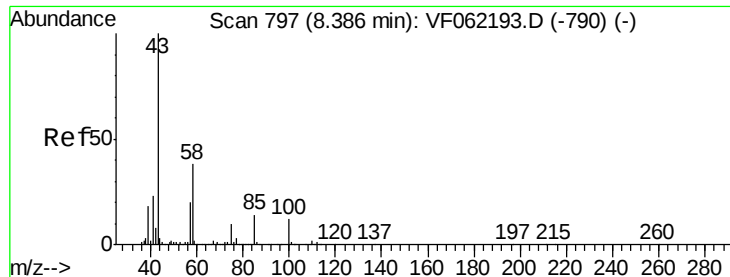
MMDadoda
4/19/2019 10:53:38 AM



#50
Toluene-d8
Concen: 48.758 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	68.7		56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 243.891 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041719

Tot Ion: 43 Resp: 597063

Ion Ratio Lower Upper

43 100

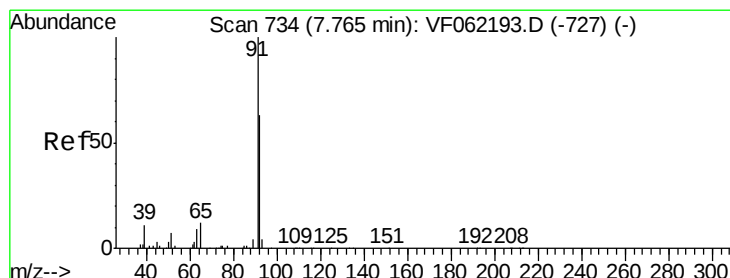
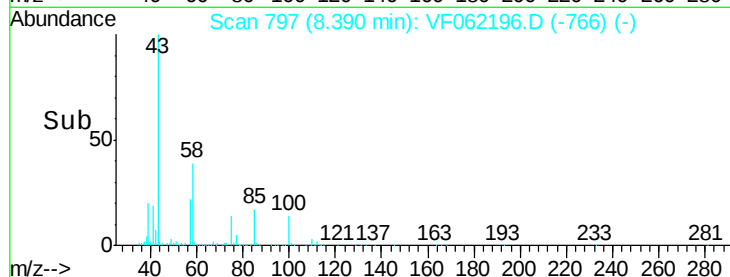
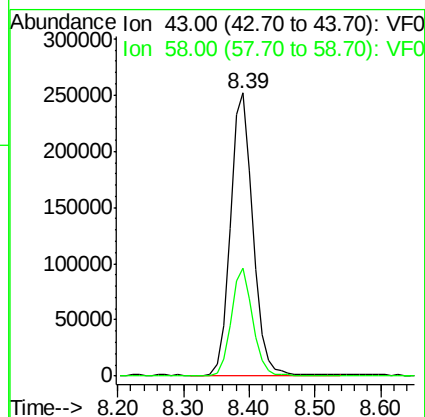
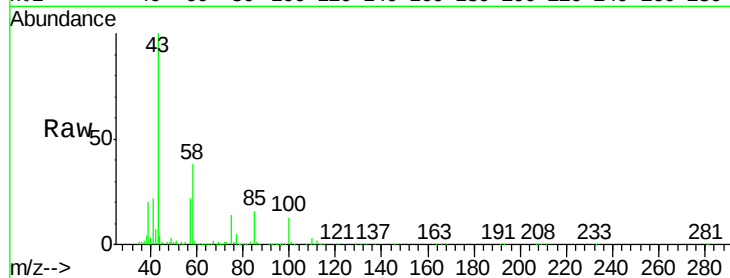
58 37.2 29.3 43.9

Manual Integrations

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#52

Toluene

Concen: 47.559 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF062196.D

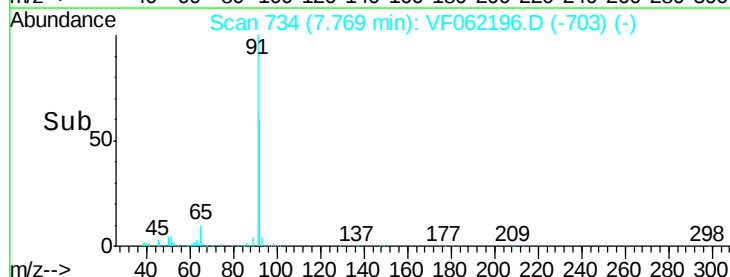
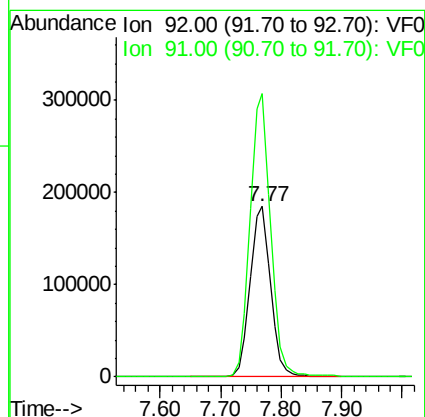
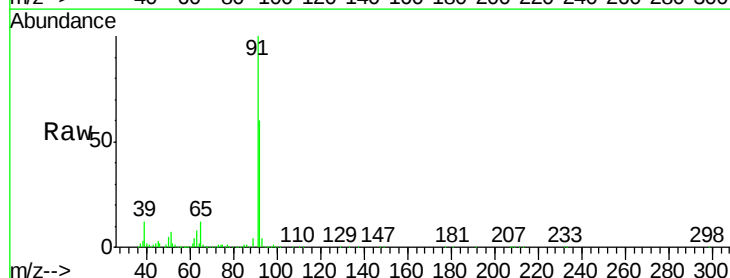
Acq: 17 Apr 2019 20:33

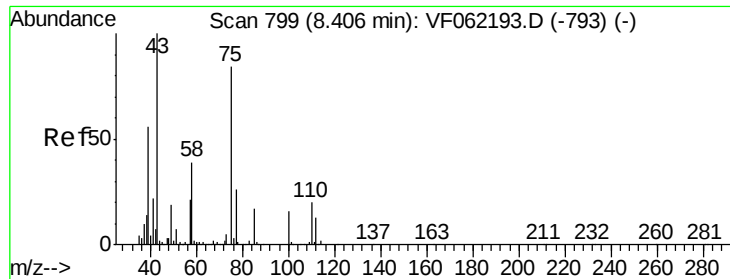
Tgt Ion: 92 Resp: 436086

Ion Ratio Lower Upper

92 100

91 166.8 130.1 195.1





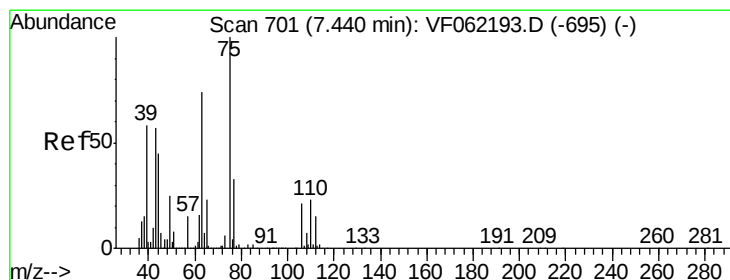
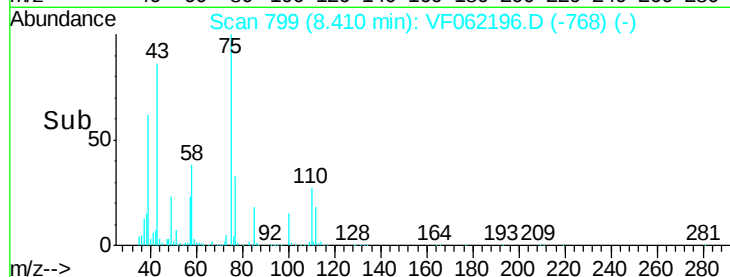
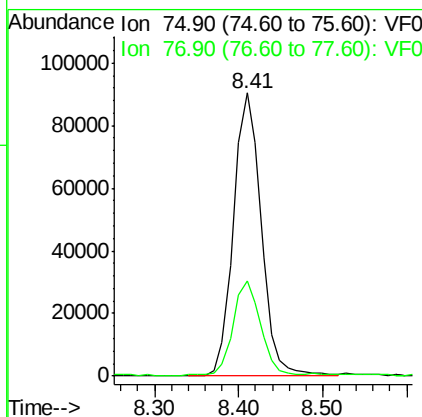
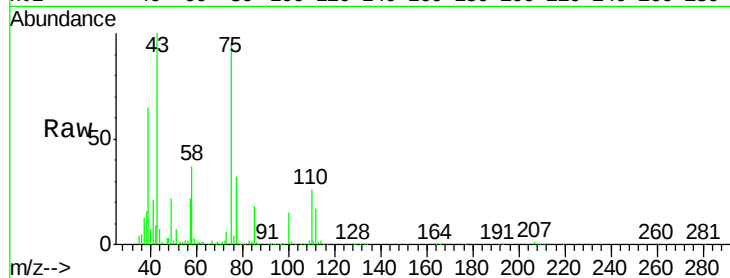
#53
t-1,3-Dichloropropene
Concen: 47.920 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.6	36.8

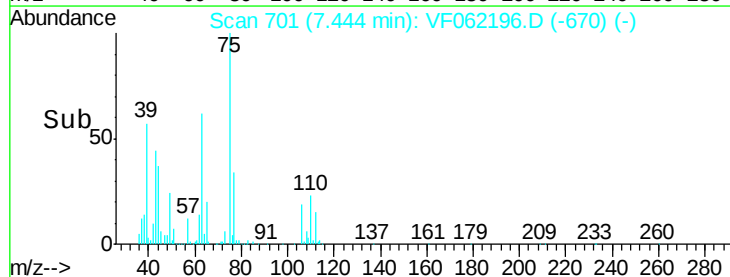
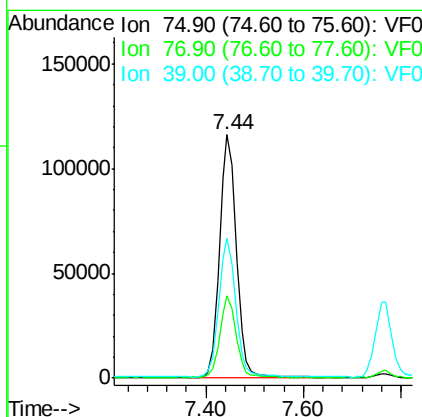
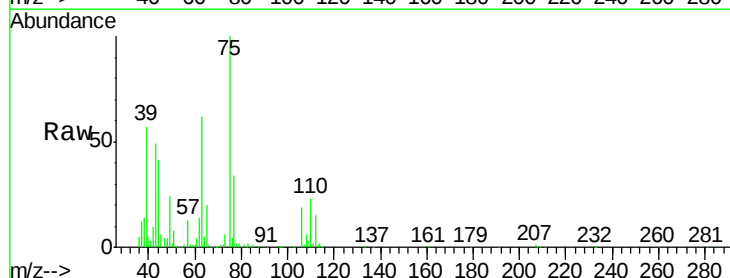
Manual Integrations
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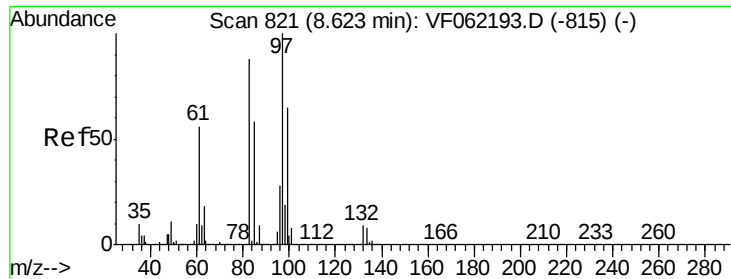
MMDadoda
4/19/2019 10:53:38 AM



#54
cis-1,3-Dichloropropene
Concen: 48.165 ug/l
RT: 7.44 min Scan# 701
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.6	26.4	39.6
39	56.8	46.7	70.1





#55

1,1,2-Trichloroethane

Concen: 48.339 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

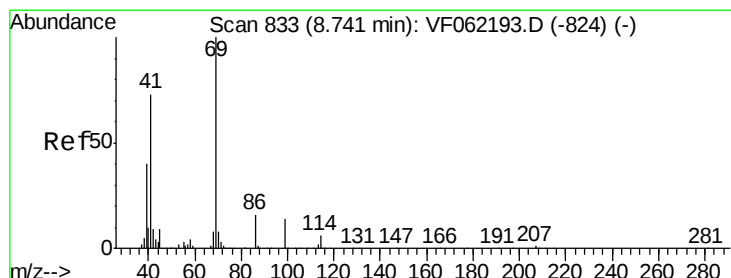
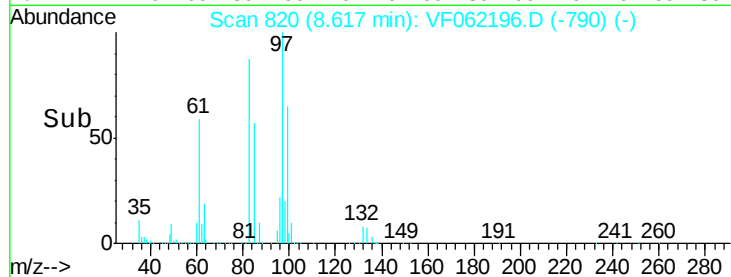
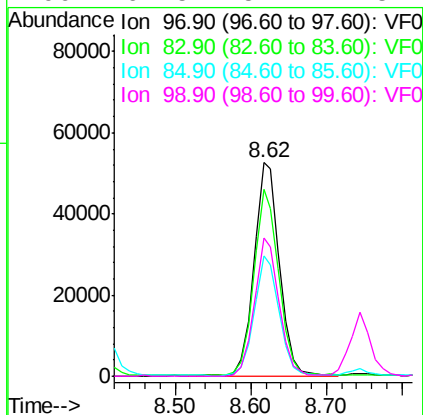
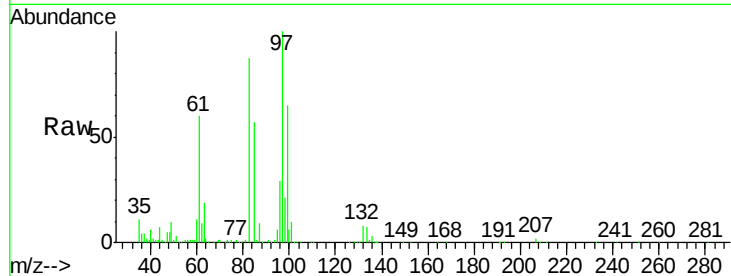
ClientSampleId :

ICVVF041719

Tot Ion:	97	Resp:	124168
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.2	105.2
85	56.2	46.2	69.4
99	64.5	52.2	78.4

Manual Integrations
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4/19/2019 10:53:38 AM



#56

Ethyl methacrylate

Concen: 49.199 ug/l

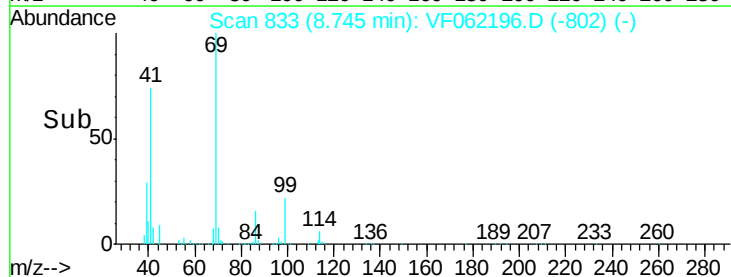
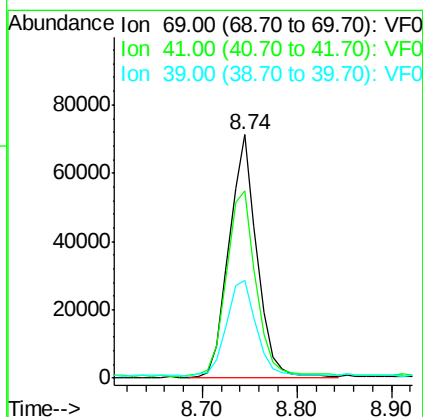
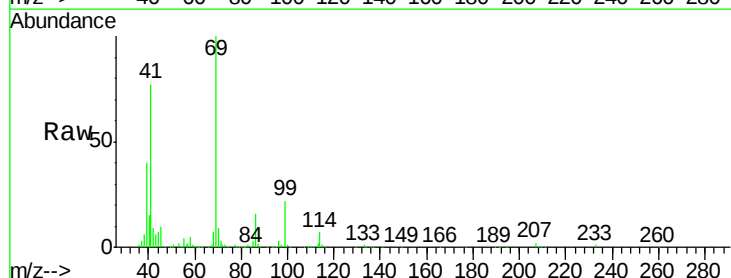
RT: 8.74 min Scan# 833

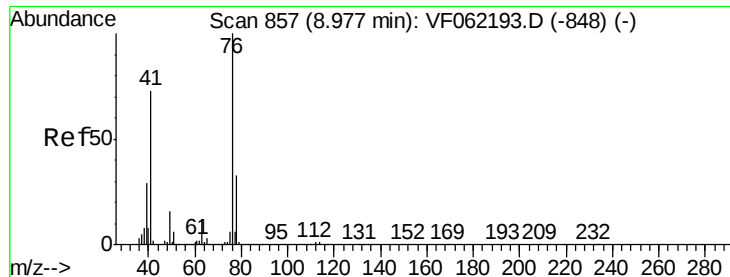
Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion:	69	Resp:	143685
Ion	Ratio	Lower	Upper
69	100		
41	82.5	61.5	92.3
39	42.1	33.3	49.9





#57

1,3-Dichloropropane

Concen: 47.041 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

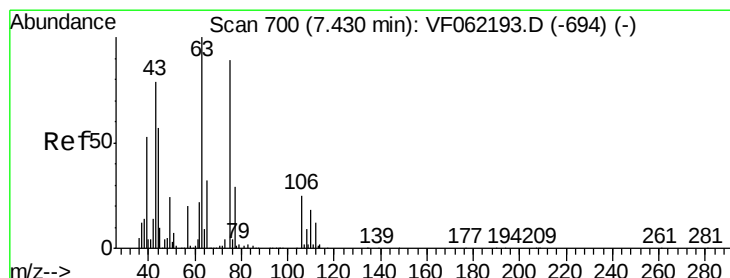
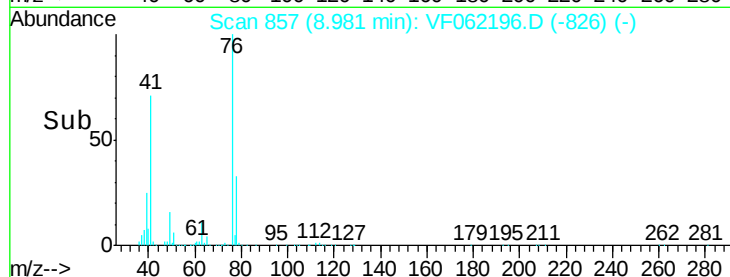
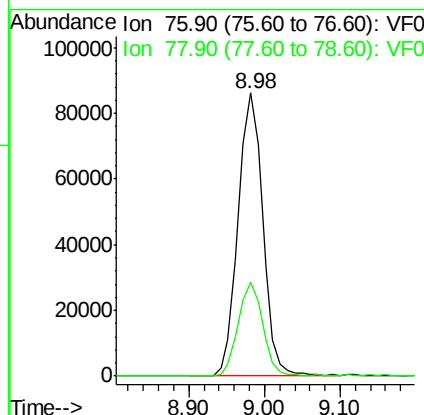
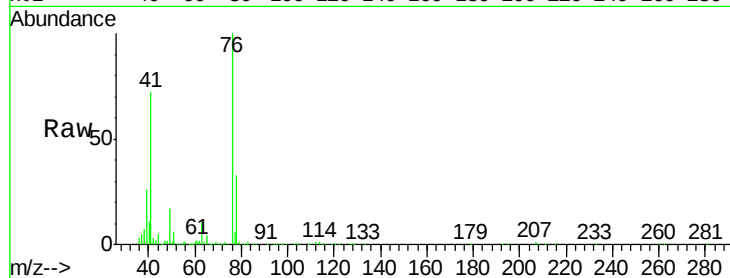
ClientSampleId :

ICVVF041719

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.5	39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 232.997 ug/l

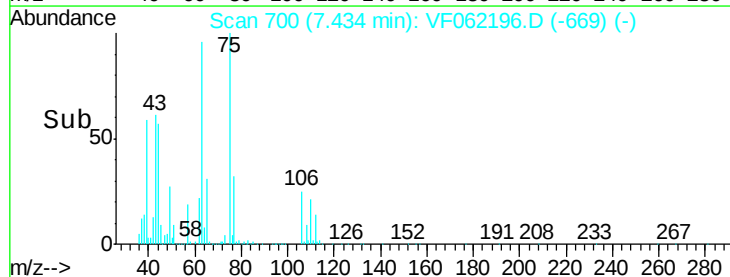
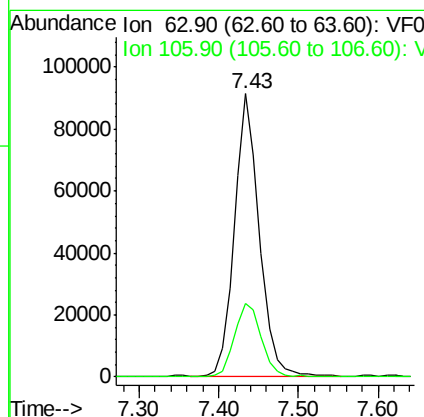
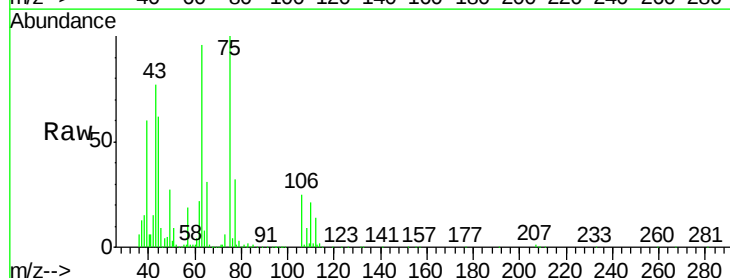
RT: 7.43 min Scan# 700

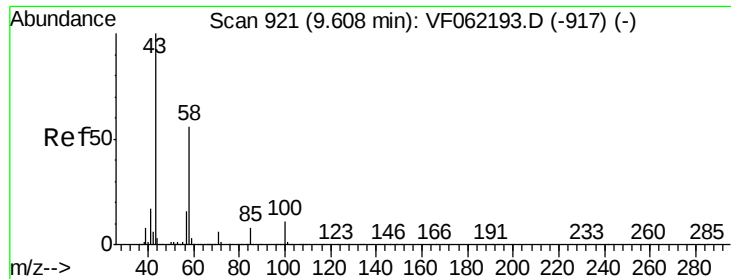
Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.4	32.0





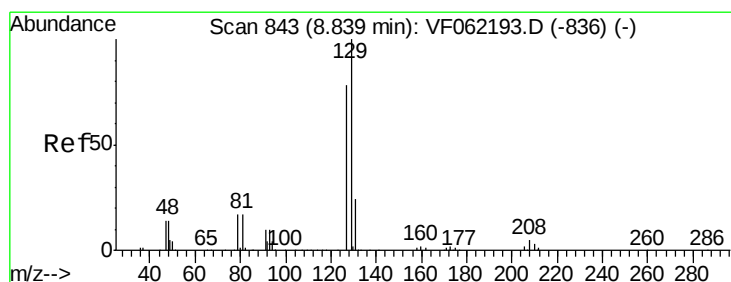
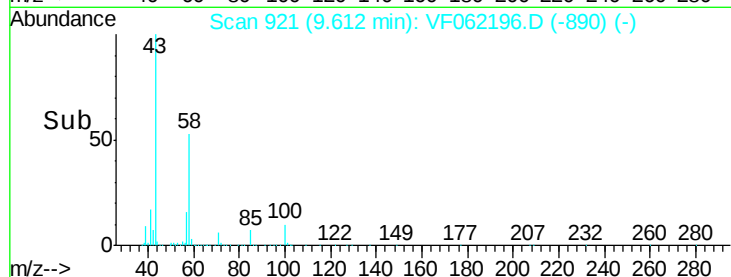
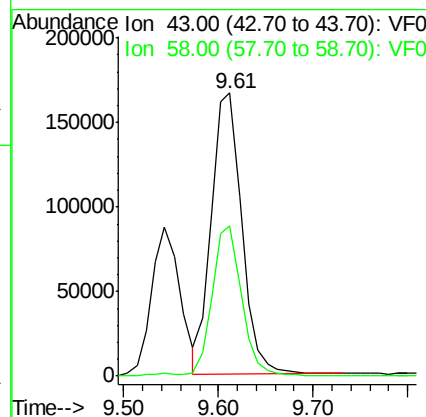
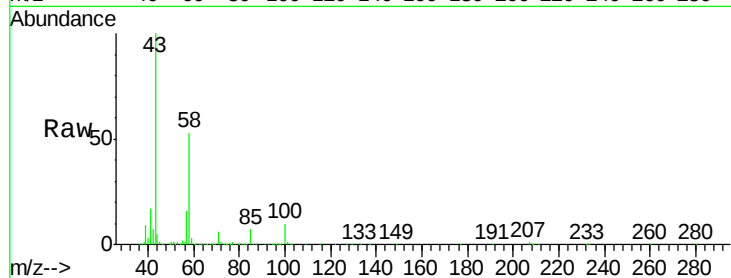
#59
2-Hexanone
Concen: 243.653 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion: 43 Resp: 371960
Ion Ratio Lower Upper
43 100
58 51.6 24.6 74.0

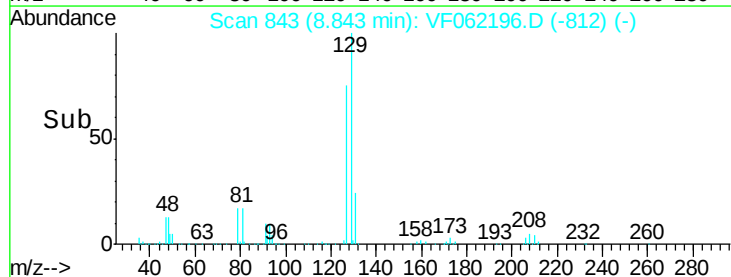
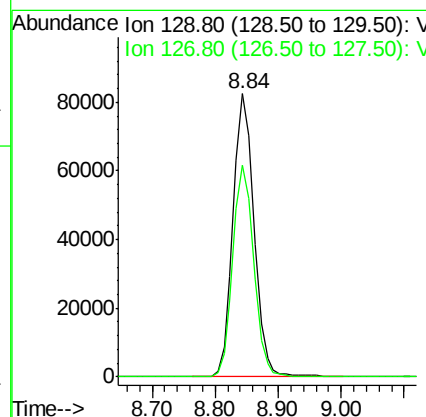
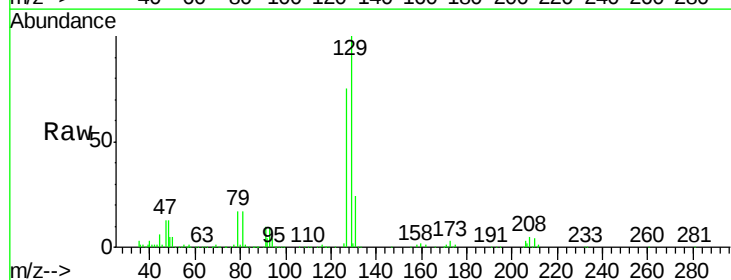
Manual Integrations
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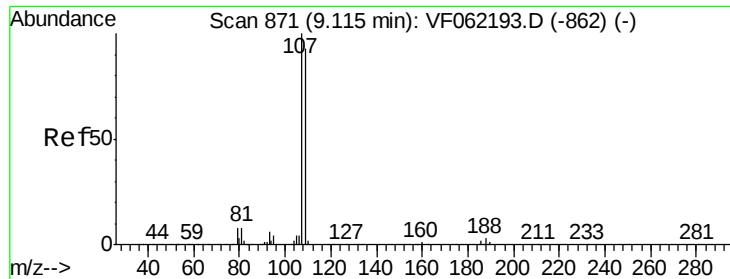
MMDadoda
4/19/2019 10:53:38 AM



#60
Dibromochloromethane
Concen: 49.848 ug/l
RT: 8.84 min Scan# 843
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion: 129 Resp: 190425
Ion Ratio Lower Upper
129 100
127 74.5 39.0 117.0





#61

1,2-Dibromoethane

Concen: 48.275 ug/l

RT: 9.12 min Scan# 871

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041719

Tot Ion: 107 Resp: 139705

Ion Ratio Lower Upper

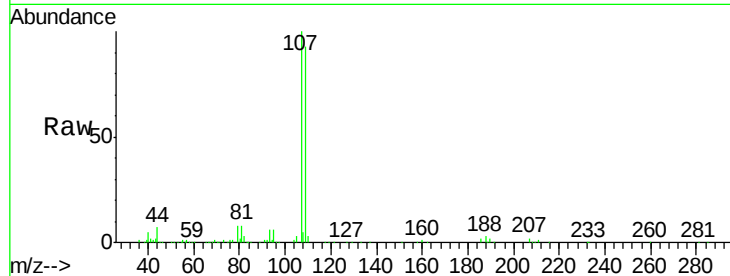
107 100

109 95.1 74.3 111.5

Manual Integrations
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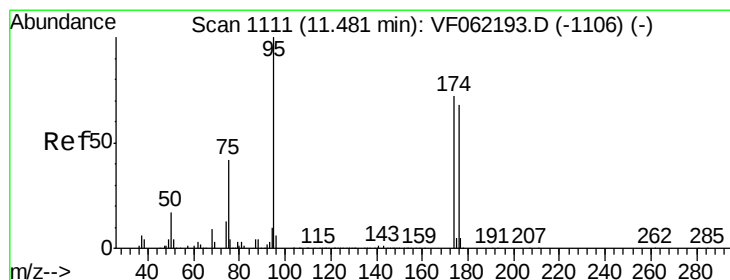
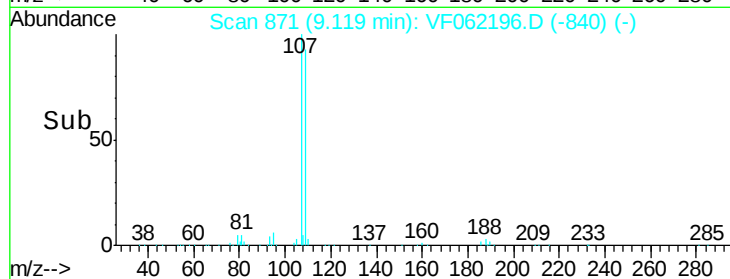
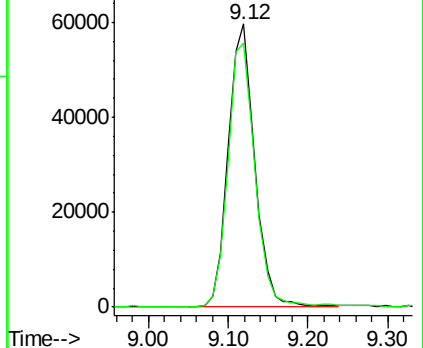
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.774 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

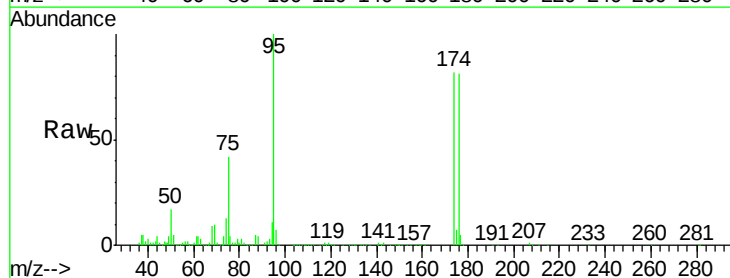
Tgt Ion: 95 Resp: 220384

Ion Ratio Lower Upper

95 100

174 81.3 0.0 159.4

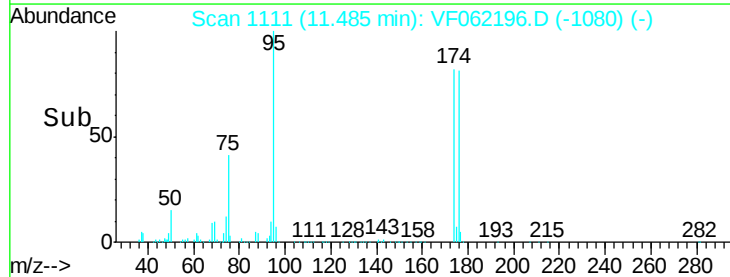
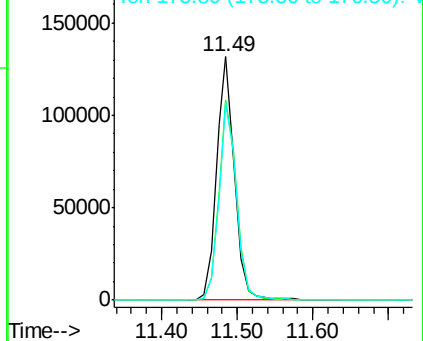
176 79.4 0.0 155.4

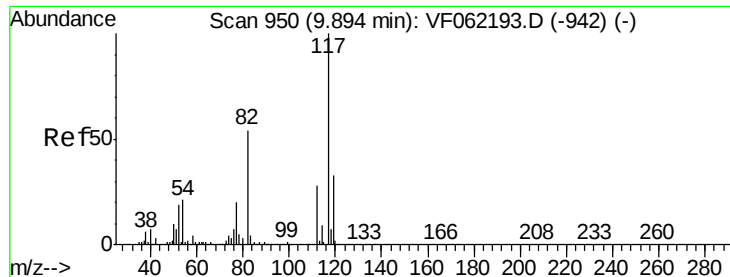


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

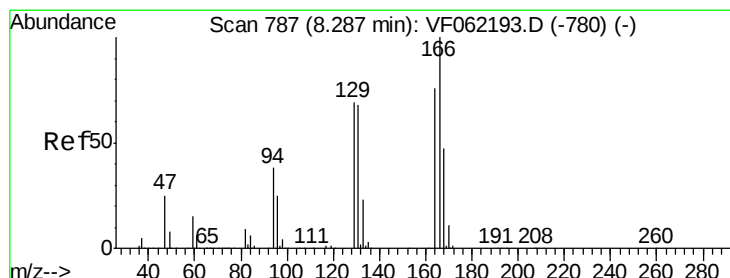
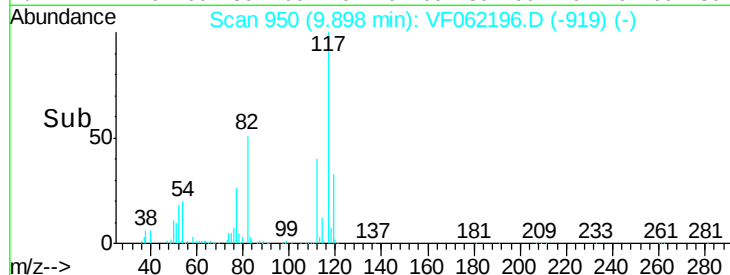
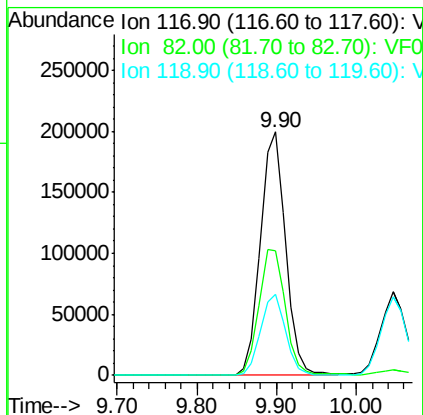
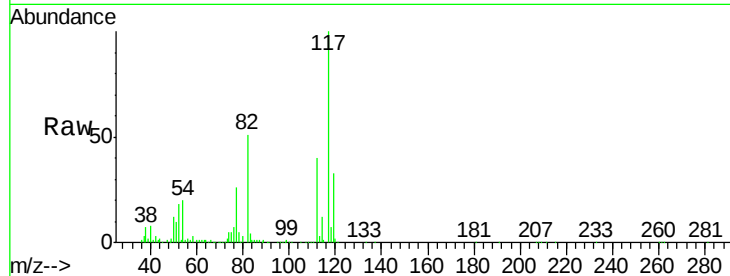
ClientSampleId :

ICVVF041719

Tot Ion:	117	Resp:	435385
Ion Ratio	Lower	Upper	
117	100		
82	51.4	43.2	64.8
119	33.5	26.2	39.4

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#64

Tetrachloroethene

Concen: 47.908 ug/l

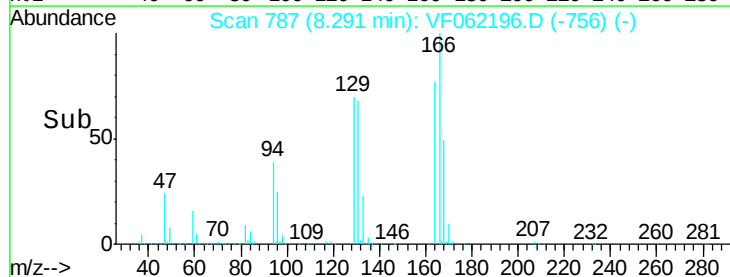
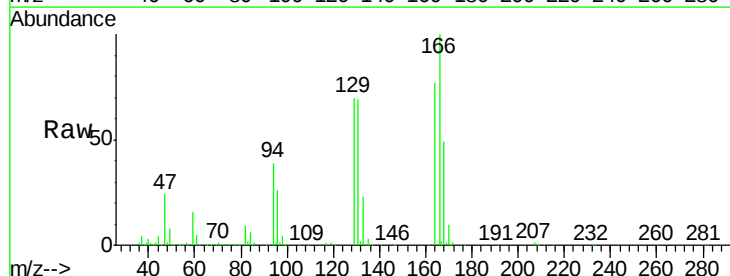
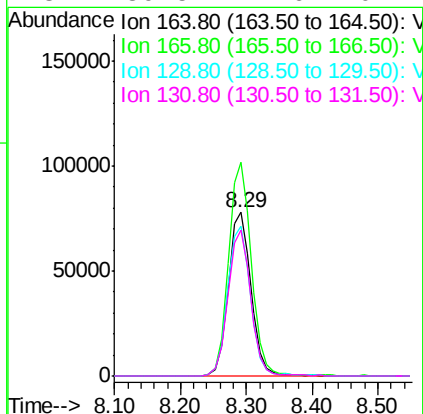
RT: 8.29 min Scan# 787

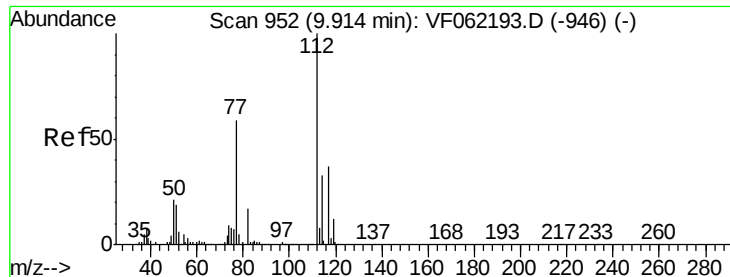
Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion:	164	Resp:	188293
Ion Ratio	Lower	Upper	
164	100		
166	130.6	104.7	157.1
129	91.8	72.6	109.0
131	89.5	71.6	107.4





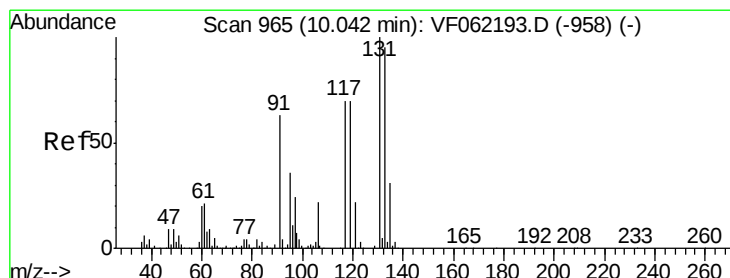
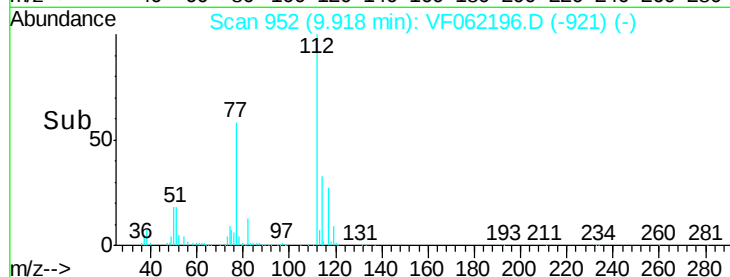
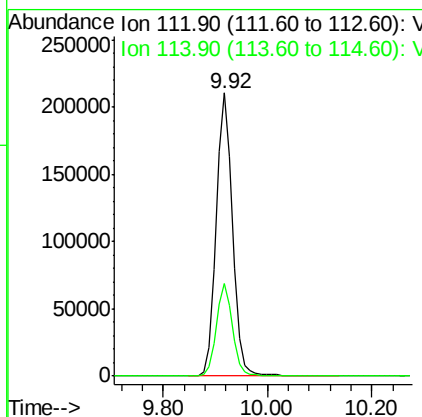
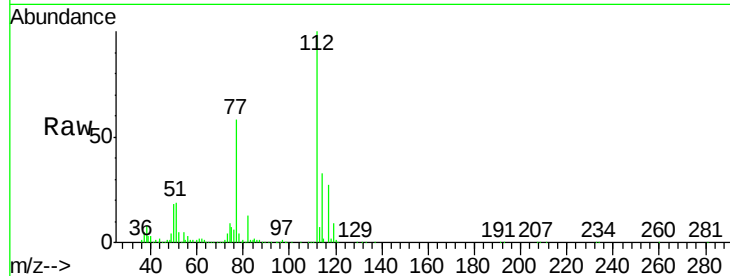
#65
Chlorobenzene
Concen: 49.672 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion:112 Resp: 461142
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1

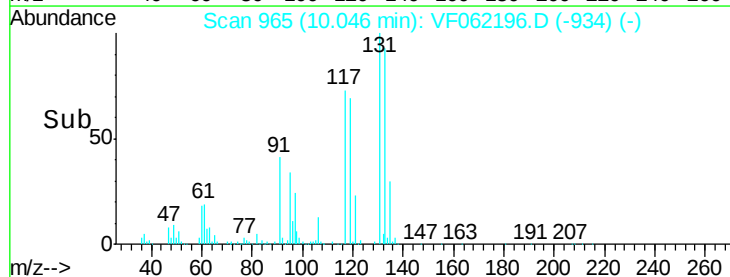
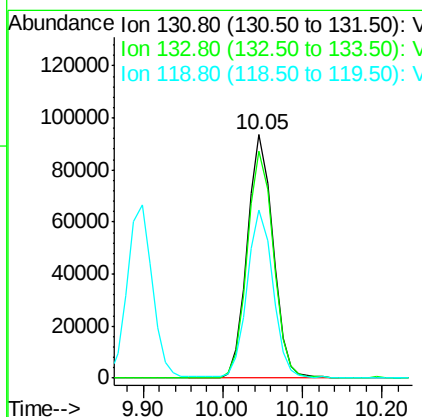
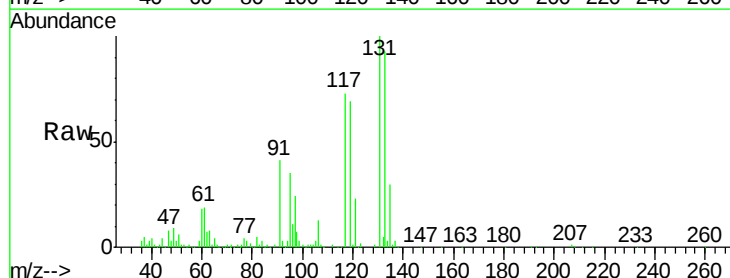
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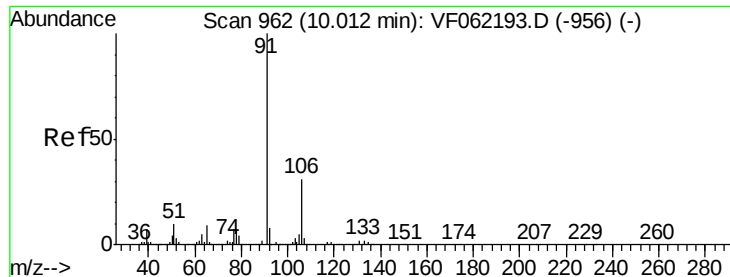
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.858 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion:131 Resp: 208064
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 68.9 34.6 103.9





#67

Ethyl Benzene

Concen: 47.421 ug/l

RT: 10.02 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041719

Tot Ion: 91 Resp: 800533

Ion Ratio Lower Upper

91 100

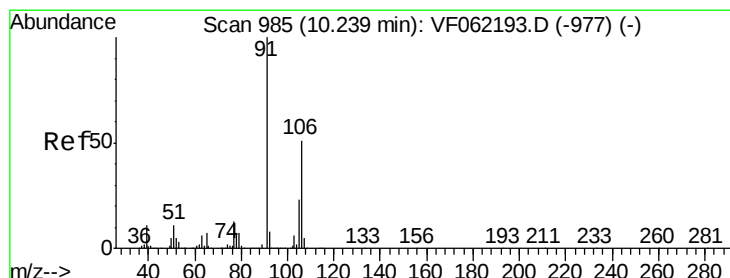
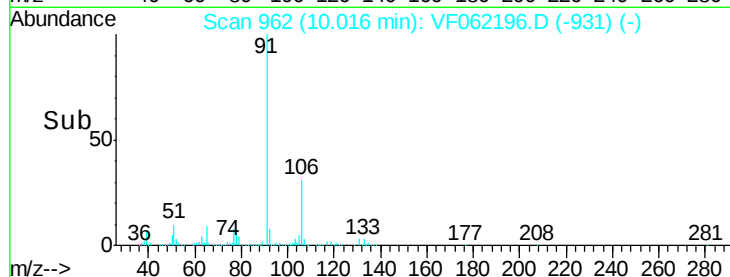
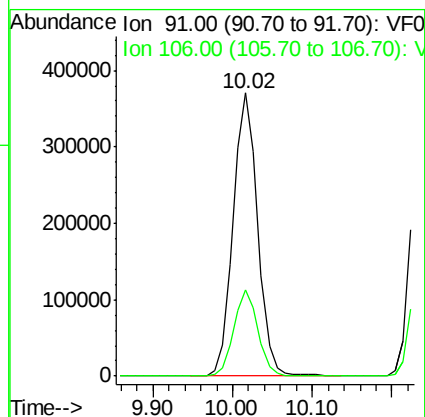
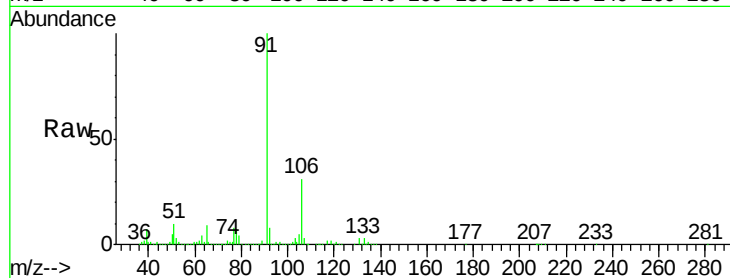
106 30.6 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 95.776 ug/l

RT: 10.24 min Scan# 985

Delta R.T. 0.00 min

Lab File: VF062196.D

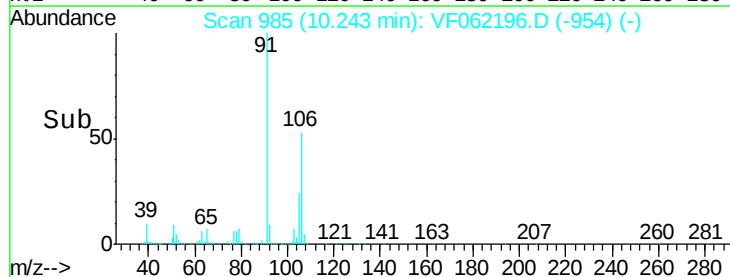
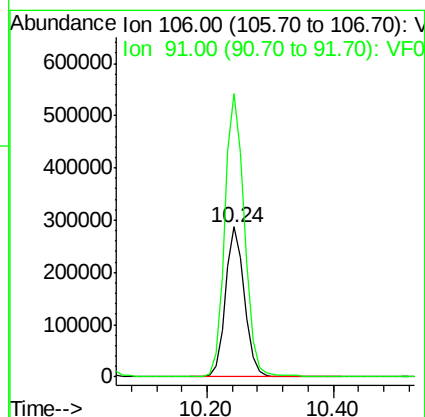
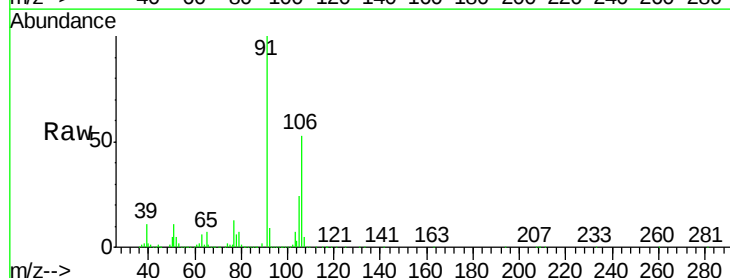
Acq: 17 Apr 2019 20:33

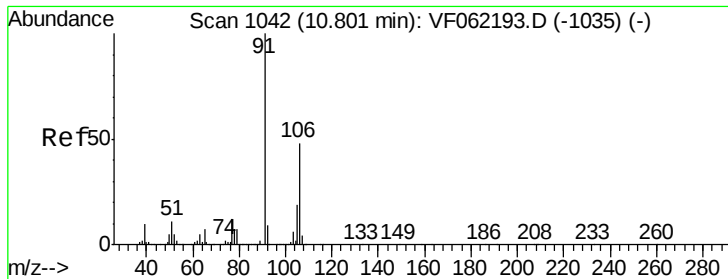
Tgt Ion: 106 Resp: 595194

Ion Ratio Lower Upper

106 100

91 196.3 159.1 238.7





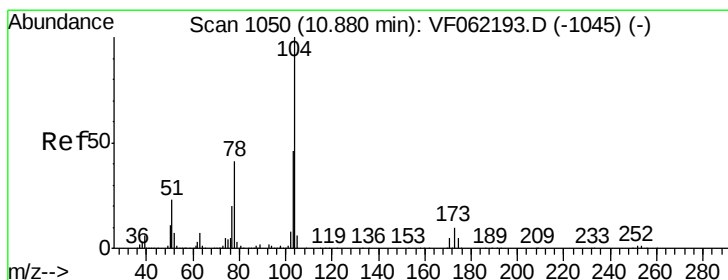
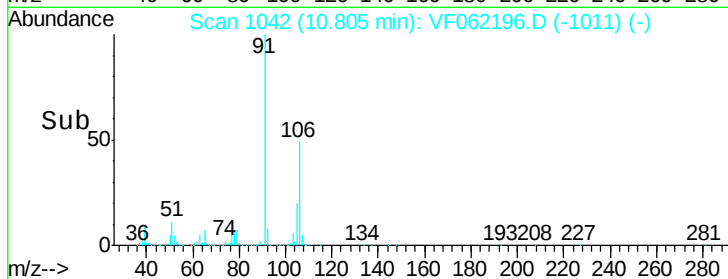
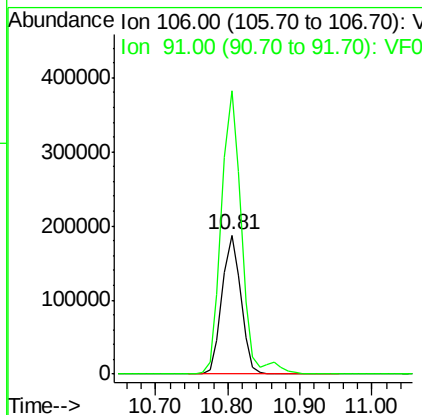
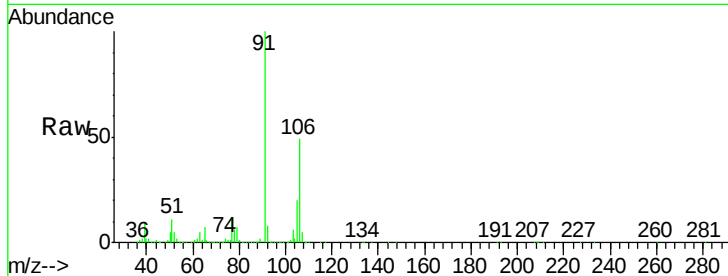
#69
o-Xylene
Concen: 49.558 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.0	107.5	322.4	

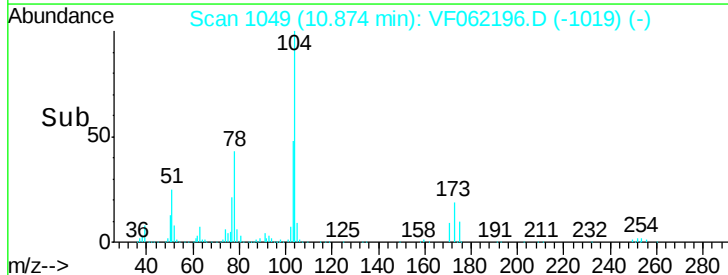
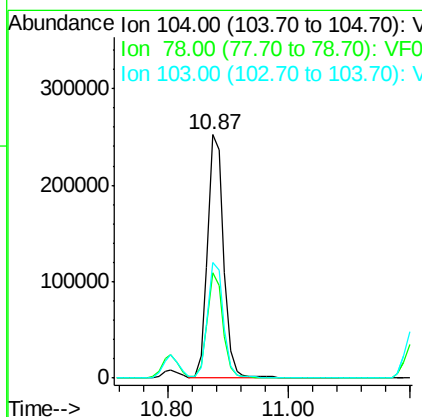
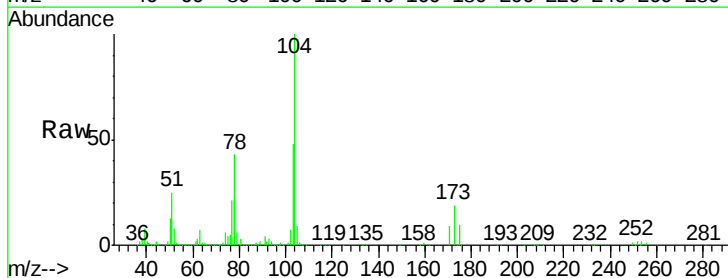
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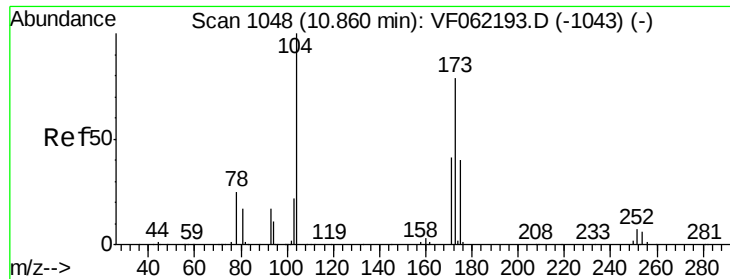
MMDadoda
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#70
Styrene
Concen: 47.776 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	42.4	34.5	51.7	
103	46.9	37.2	55.8	





#71

Bromoform

Concen: 47.132 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

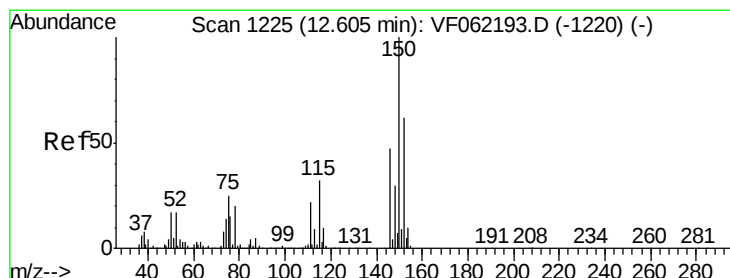
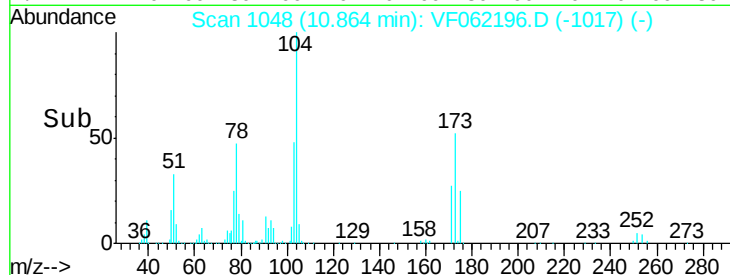
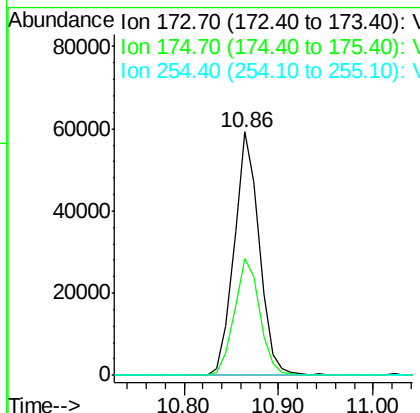
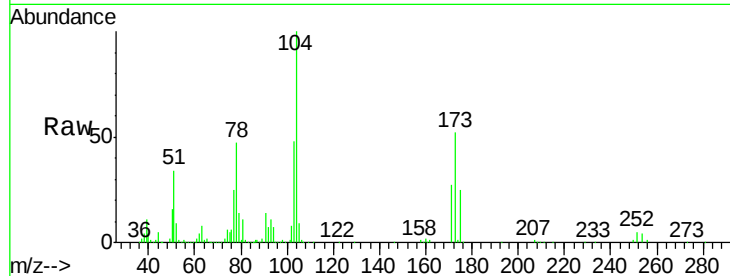
ClientSampleId :

ICVVF041719

Tot Ion	Ratio	Resp	Lower	Upper
173	100	108186		
175	49.2	24.5	73.5	
254	0.1	0.1	0.1	

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

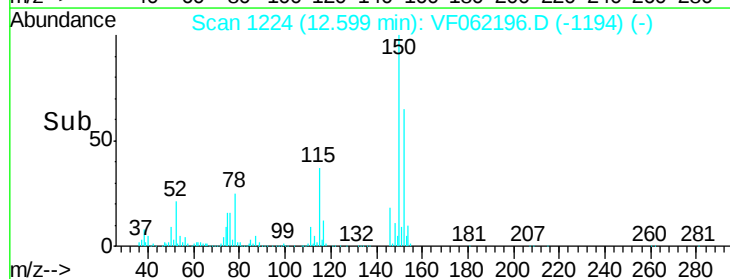
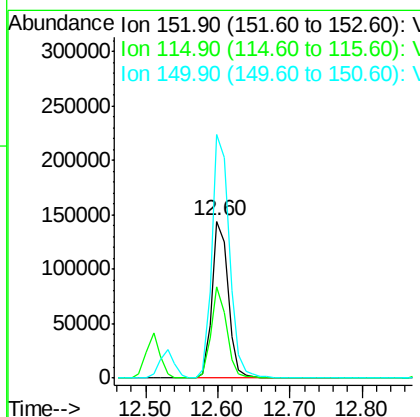
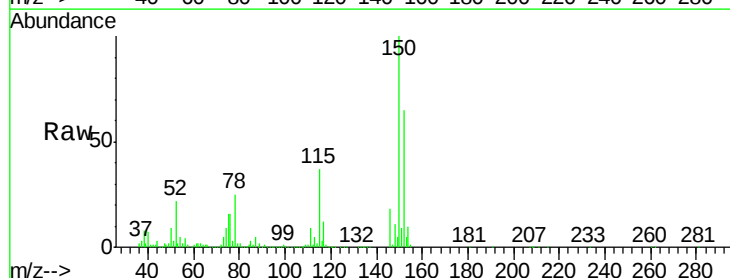
RT: 12.60 min Scan# 1224

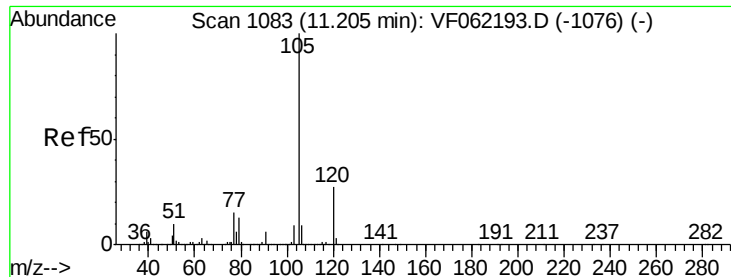
Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	222732		
115	55.4	27.8	83.3	
150	167.2	0.0	341.8	





#73

Isopropylbenzene

Concen: 48.965 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041719

Tot Ion:105 Resp: 936836

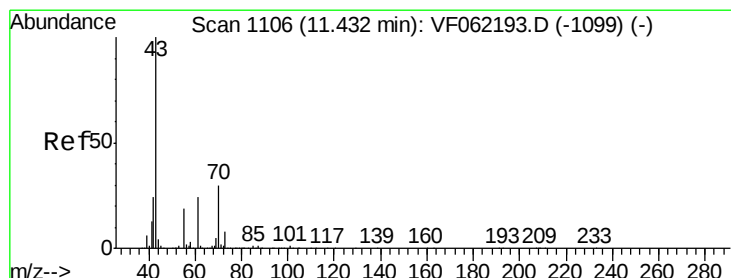
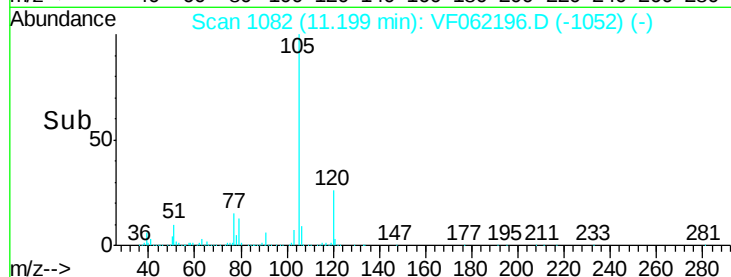
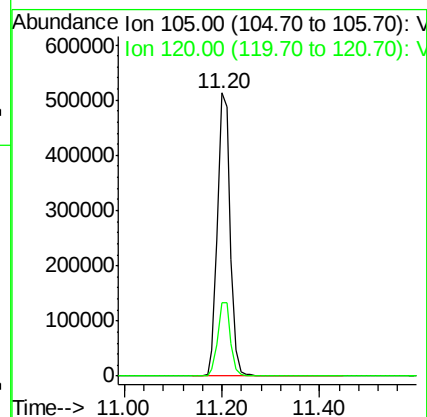
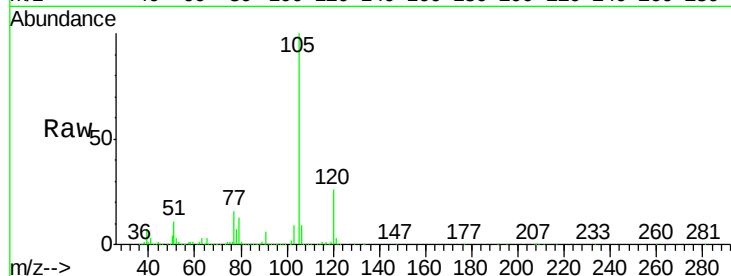
Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9

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#74

N-ethyl acetate

Concen: 55.553 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion: 43 Resp: 251078

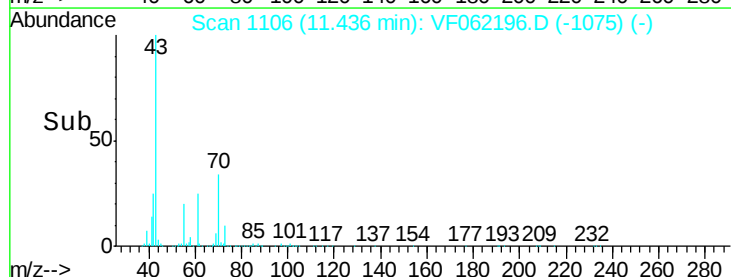
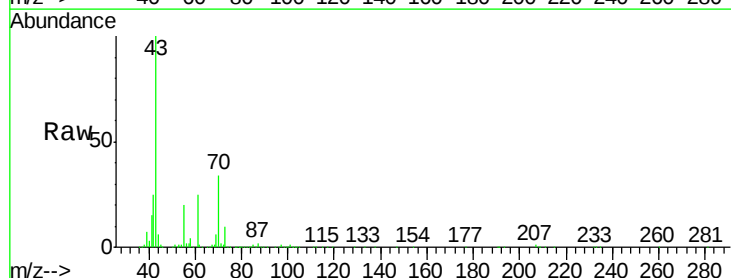
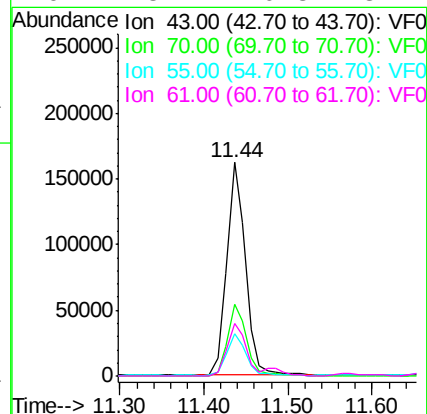
Ion Ratio Lower Upper

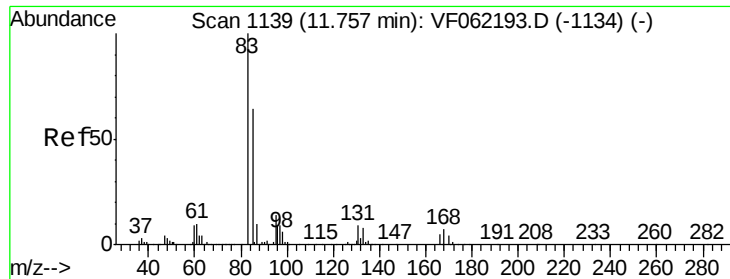
43 100

70 34.7 27.0 40.4

55 20.0 15.7 23.5

61 28.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.951 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

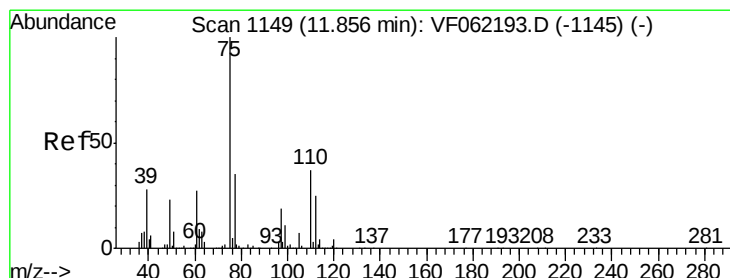
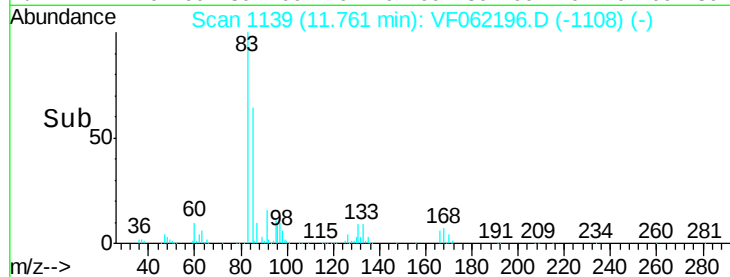
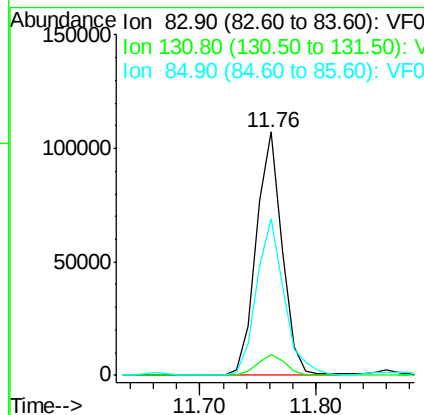
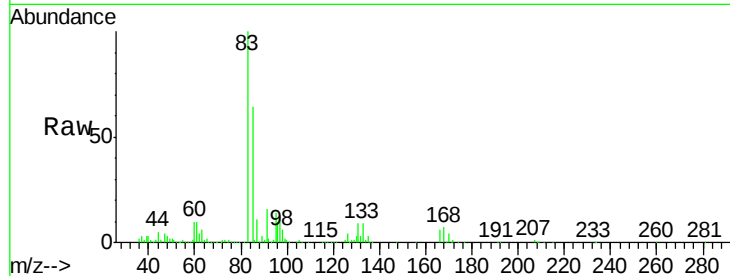
ClientSampleId :

ICVVF041719

Tot Ion:	83	Resp:	164357
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.5
85	69.2	34.7	104.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.352 ug/l

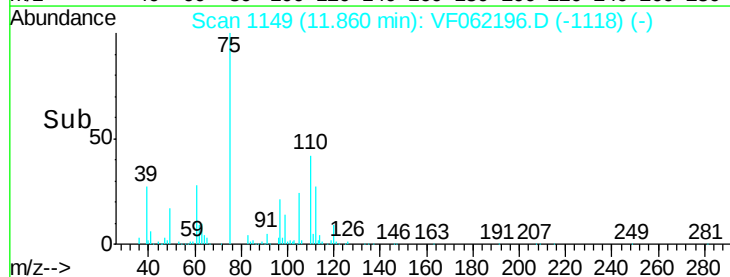
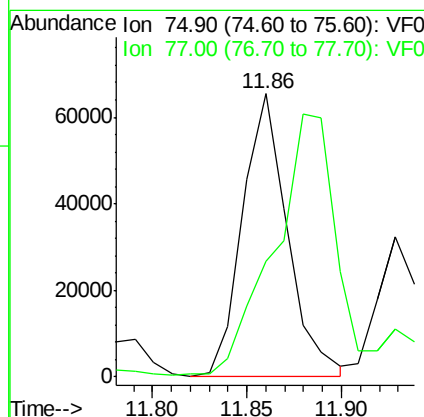
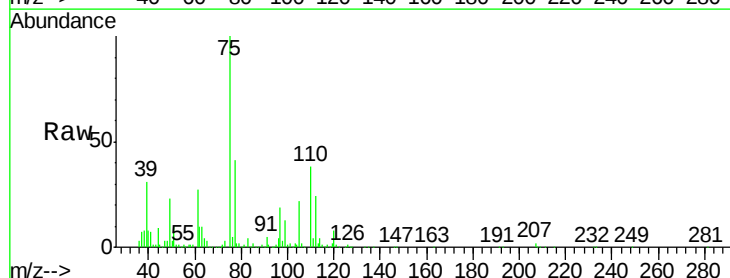
RT: 11.86 min Scan# 1149

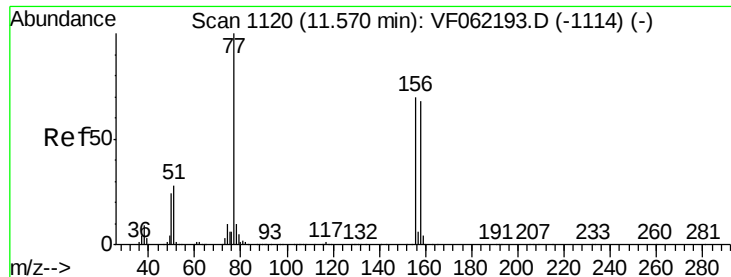
Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion:	75	Resp:	107196
Ion Ratio	Lower	Upper	
75	100		
77	128.4	7.4	22.2#





#77

Bromobenzene

Concen: 51.365 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

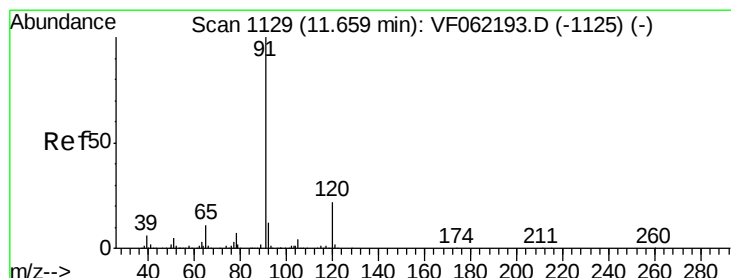
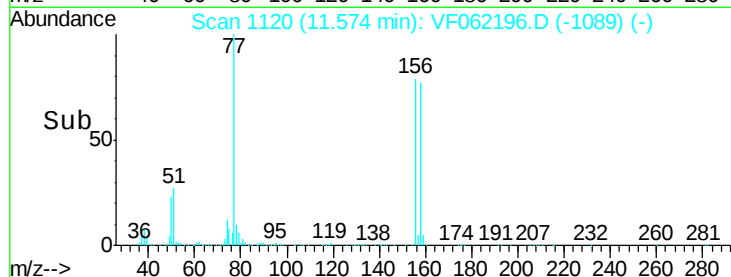
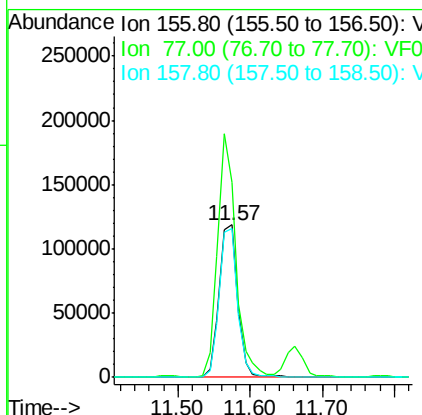
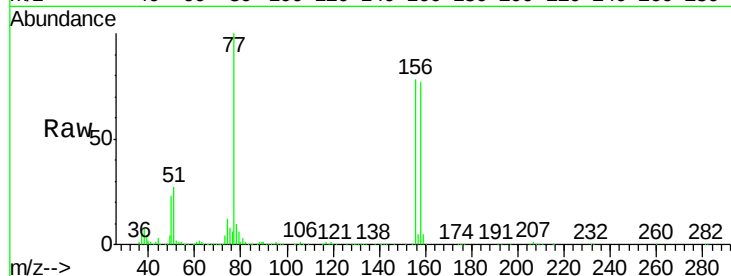
ClientSampleId :

ICVVF041719

Tot Ion:	156	Resp:	210528
Ion Ratio	Lower	Upper	
156	100		
77	154.6	80.9	242.7
158	96.9	49.8	149.4

Manual Integrations
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#78

n-propylbenzene

Concen: 48.798 ug/l

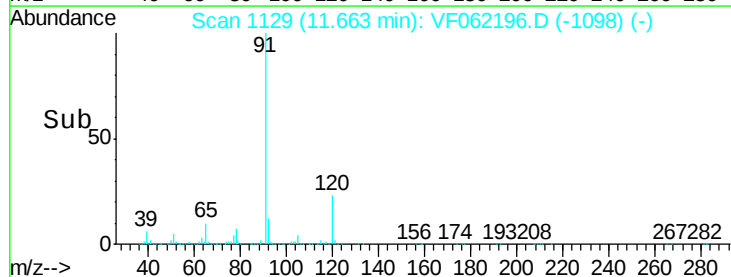
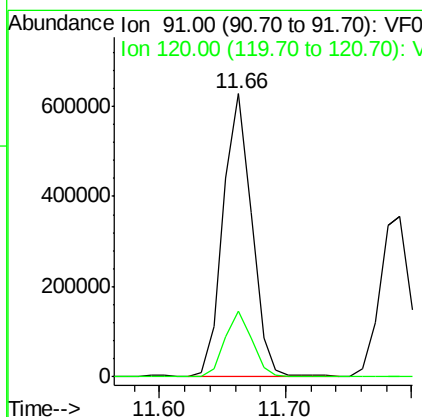
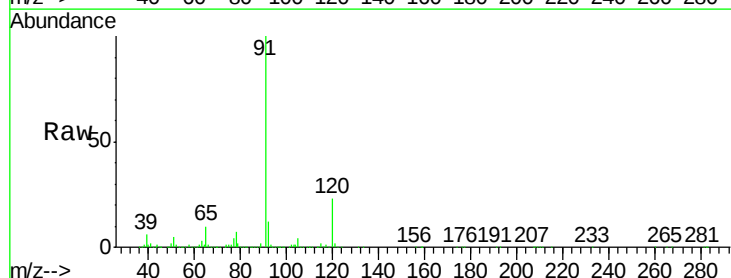
RT: 11.66 min Scan# 1129

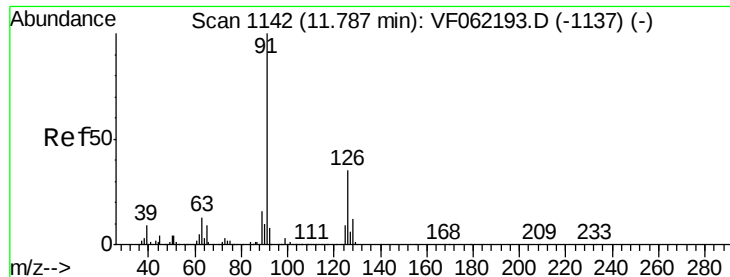
Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion:	91	Resp:	984920
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.6





#79

2-Chlorotoluene

Concen: 49.005 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041719

Tot Ion: 91 Resp: 599985

Ion Ratio Lower Upper

91 100

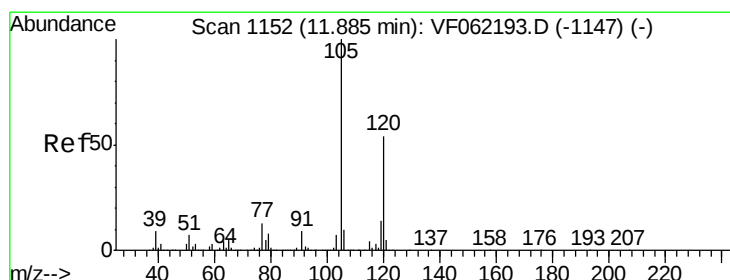
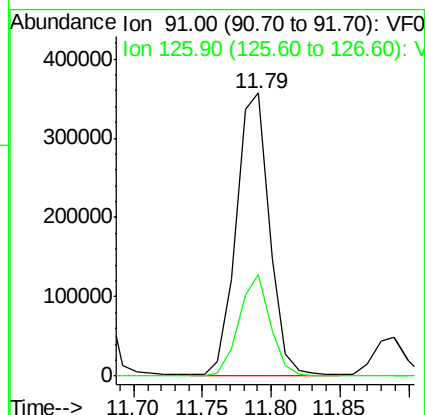
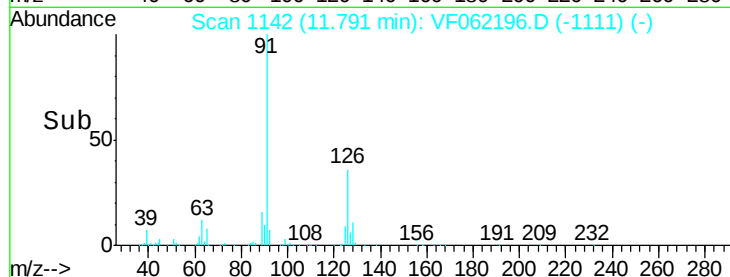
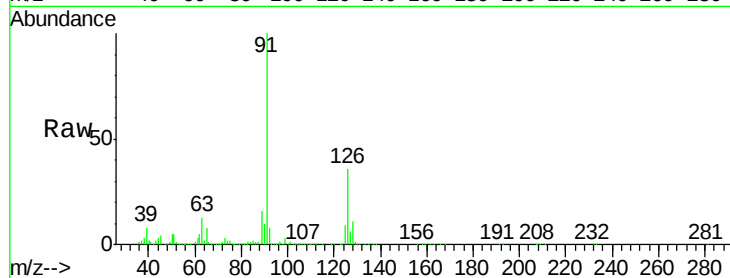
126 33.9 16.9 50.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.632 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062196.D

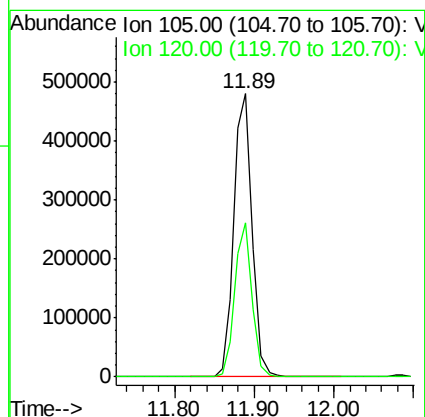
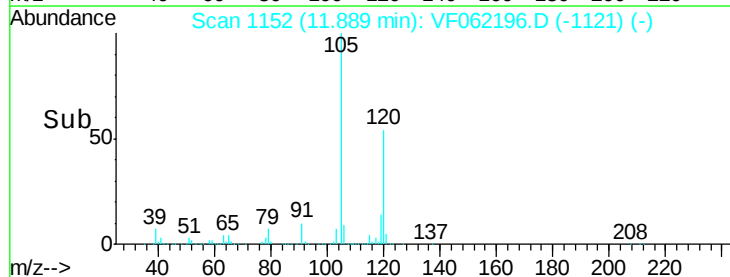
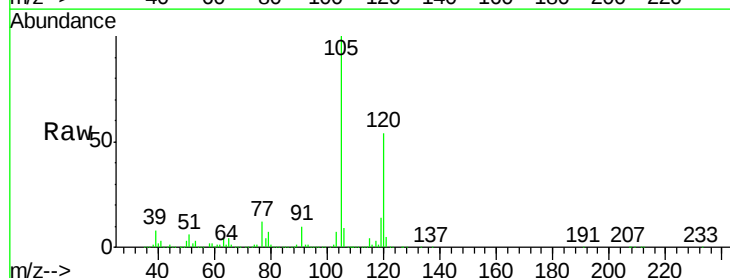
Acq: 17 Apr 2019 20:33

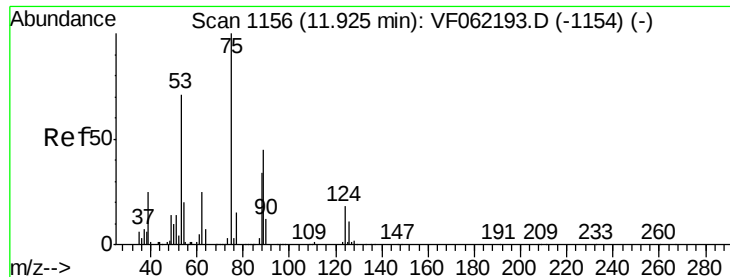
Tgt Ion: 105 Resp: 774962

Ion Ratio Lower Upper

105 100

120 51.5 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 43.222 ug/l m

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

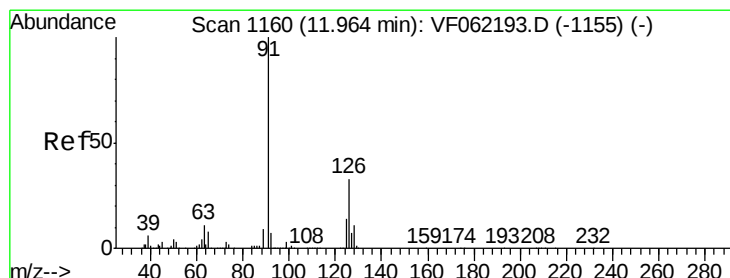
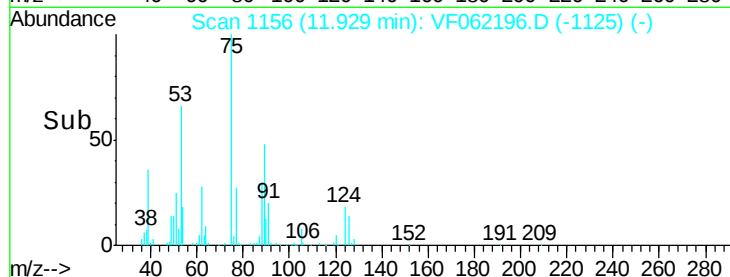
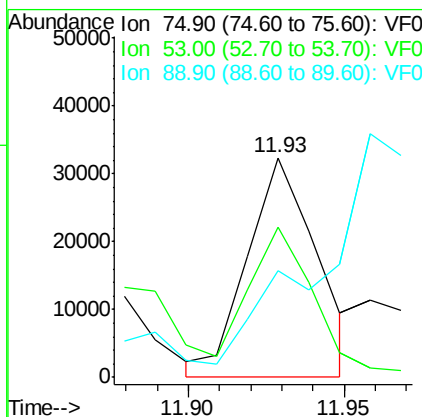
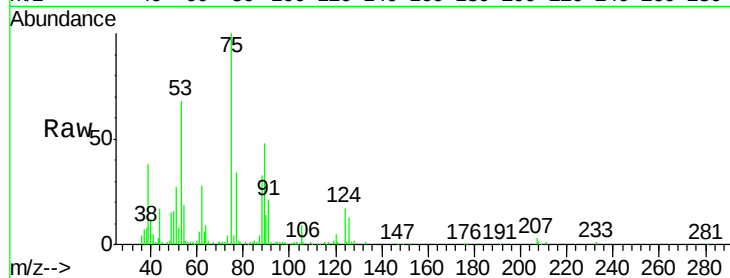
ClientSampleId :

ICVVF041719

Tot Ion:	75	Resp:	49901
Ion	Ratio	Lower	Upper
75	100		
53	65.4	50.2	75.4
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.875 ug/l

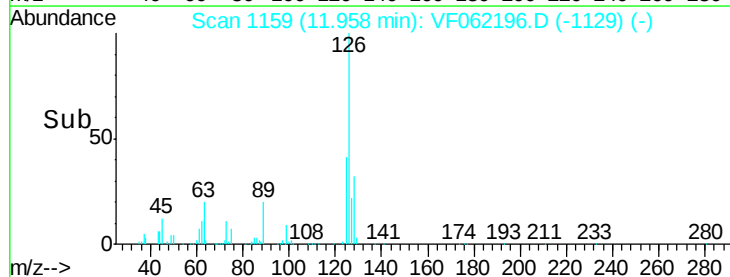
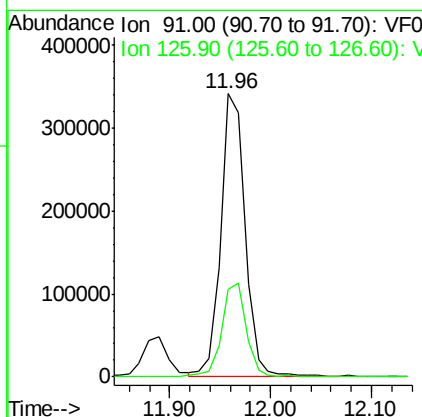
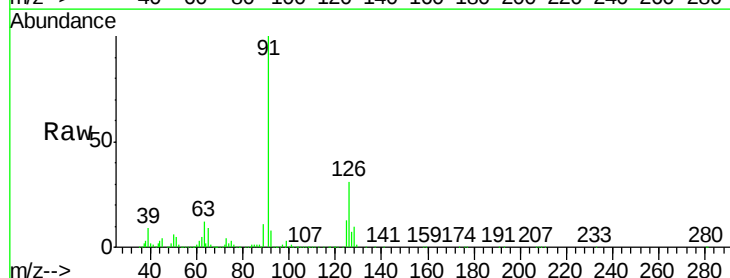
RT: 11.96 min Scan# 1159

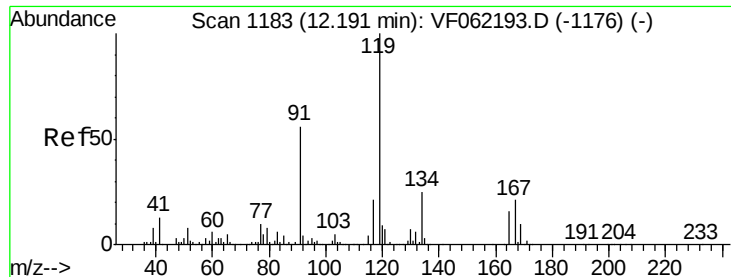
Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion:	91	Resp:	566471
Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.9	50.6





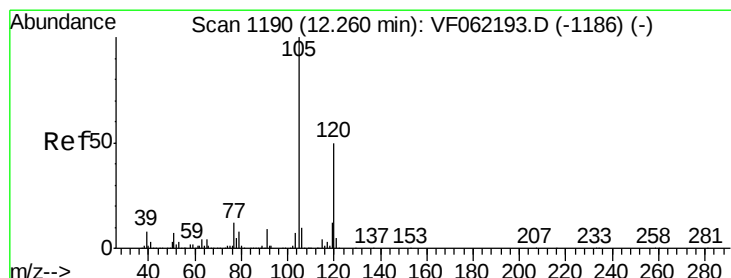
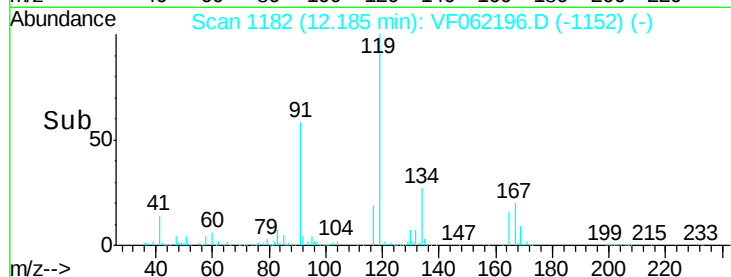
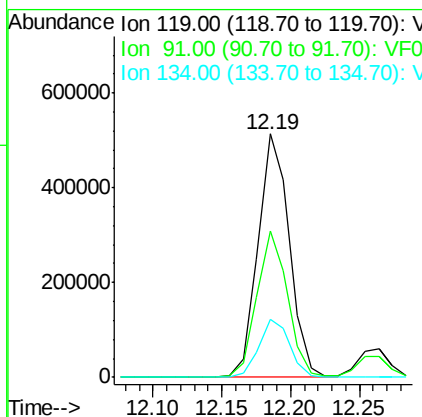
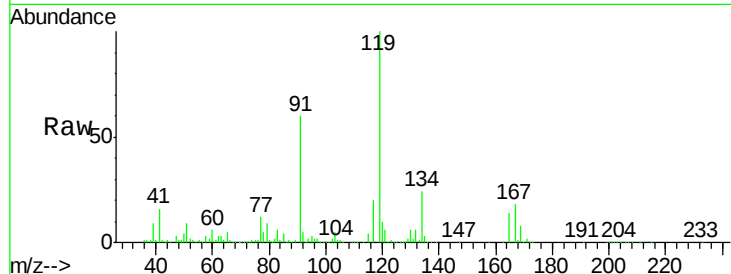
#83
 tert-Butylbenzene
 Concen: 49.606 ug/l
 RT: 12.19 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041719

Tot Ion	Ratio	Resp	Lower	Upper
119	100	817466		
91	58.2		29.4	88.2
134	23.4		11.8	35.3

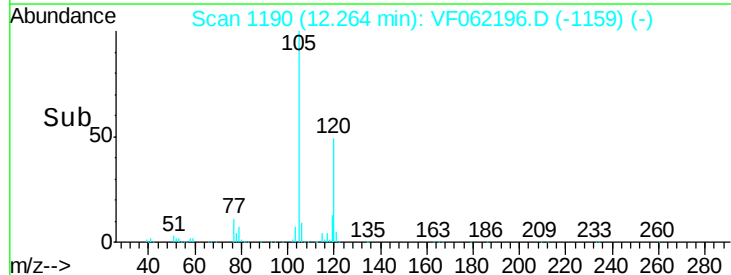
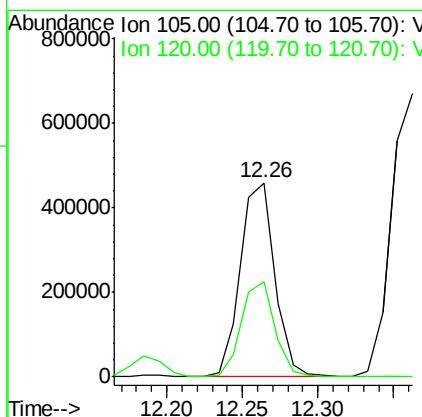
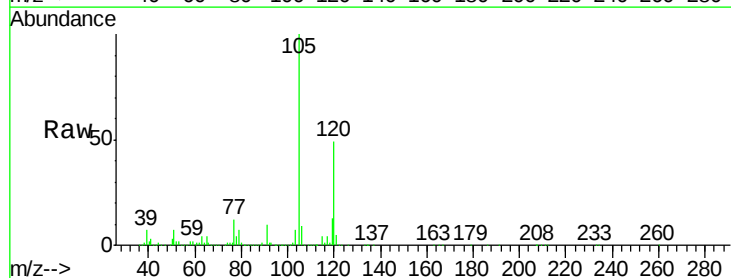
Manual Integrations
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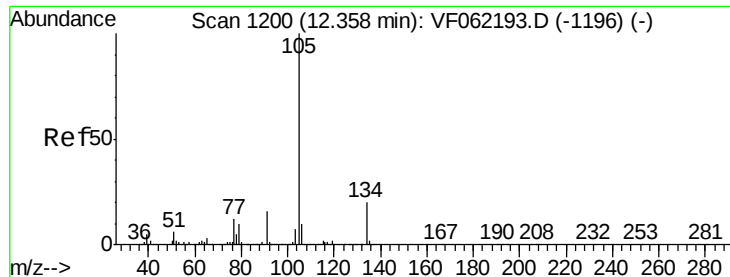
MMDadoda
 4/19/2019 10:53:38 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.188 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	727669		
120	47.8		24.0	72.0





#85

sec-Butylbenzene

Concen: 49.052 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041719

Tot Ion:105 Resp: 1049429

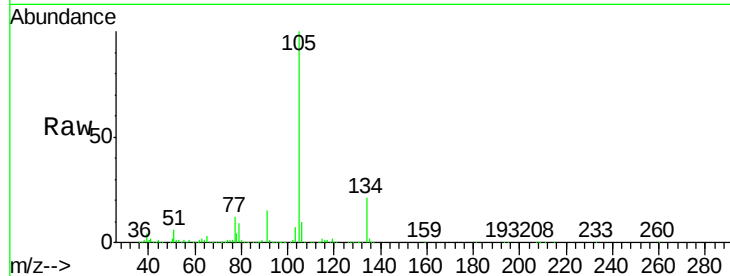
Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1

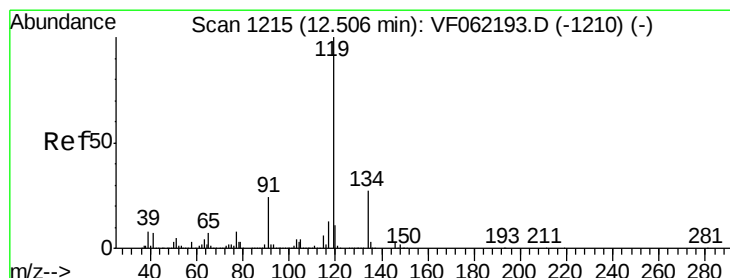
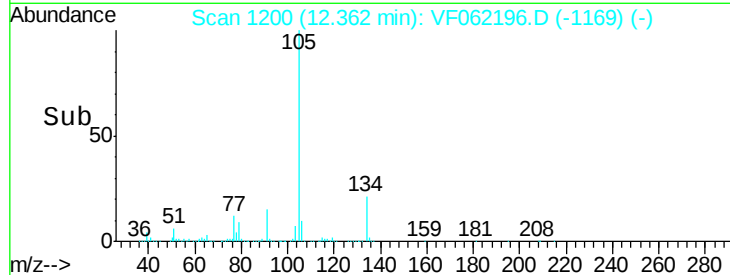
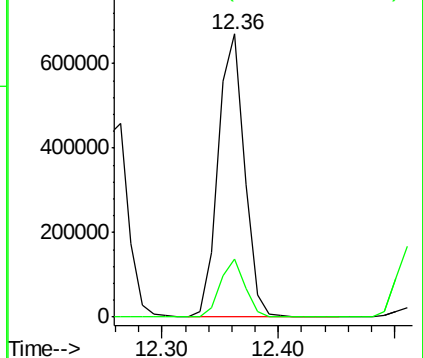
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.749 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

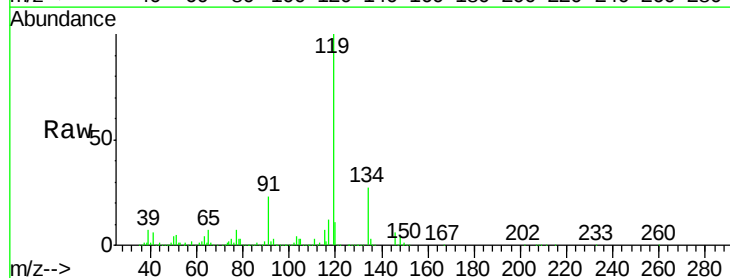
Tgt Ion:119 Resp: 866566

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.5

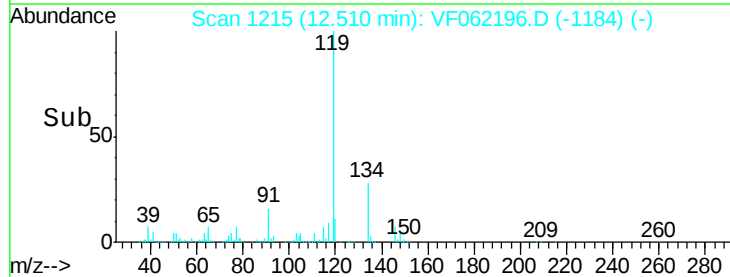
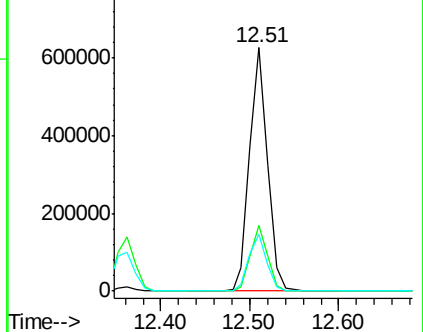
91 23.3 11.7 35.1

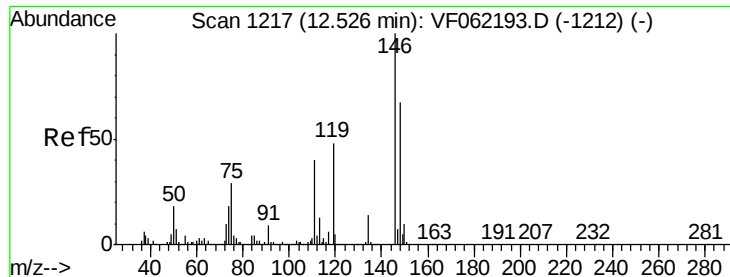


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





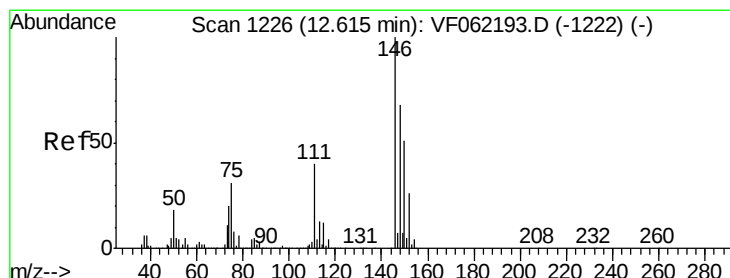
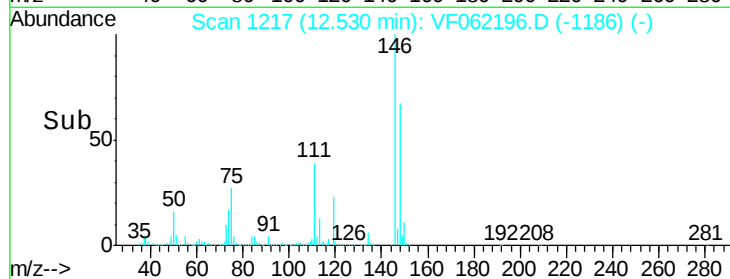
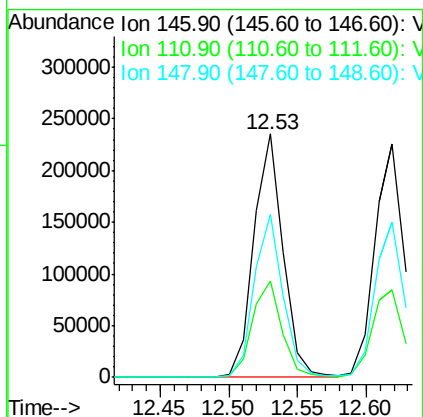
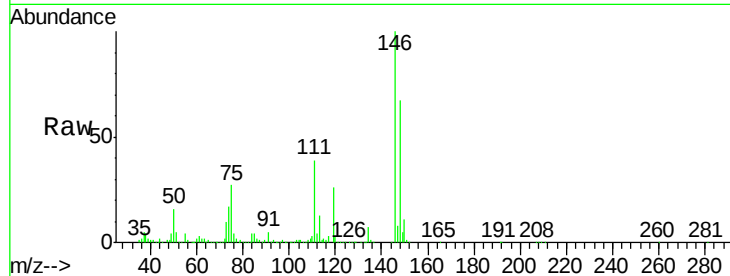
#87
 1,3-Dichlorobenzene
 Concen: 45.914 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV041719

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.0
148	66.0	32.9	98.6

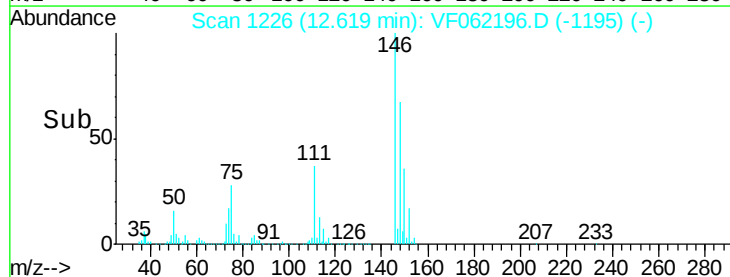
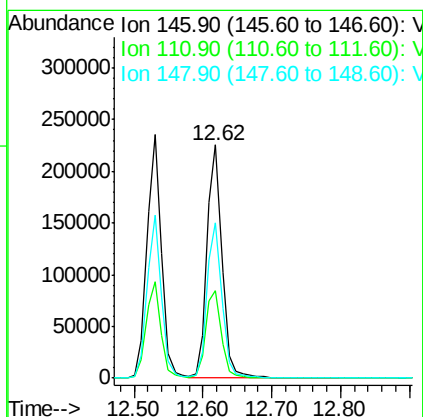
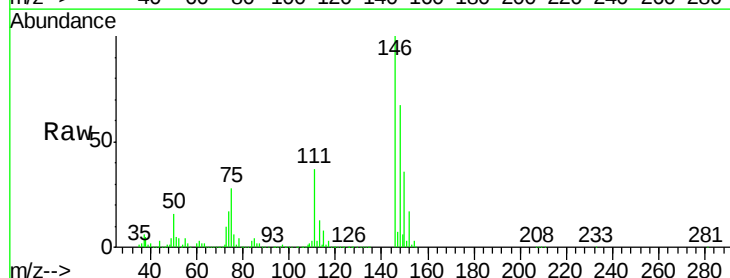
Manual Integrations
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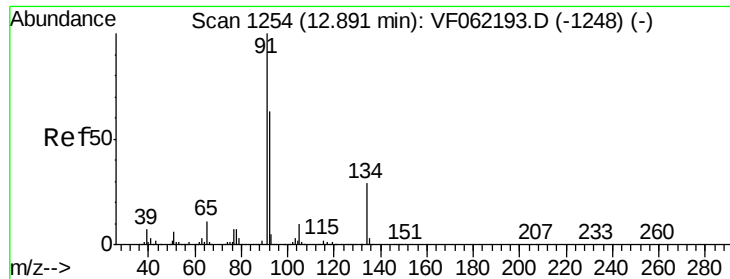
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 46.820 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	66.8	33.6	100.8





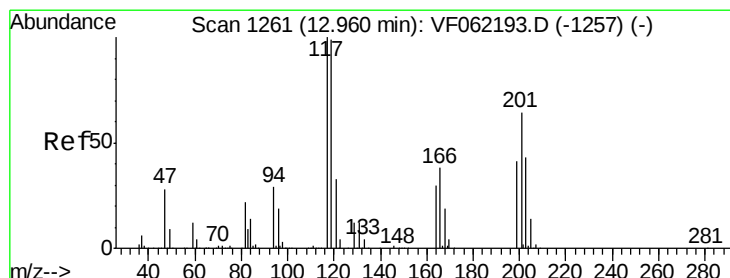
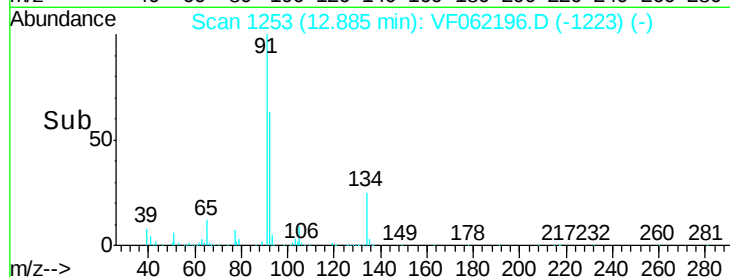
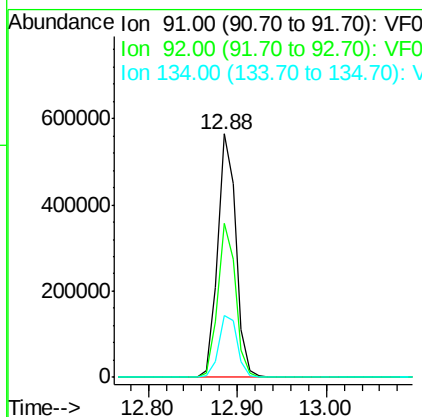
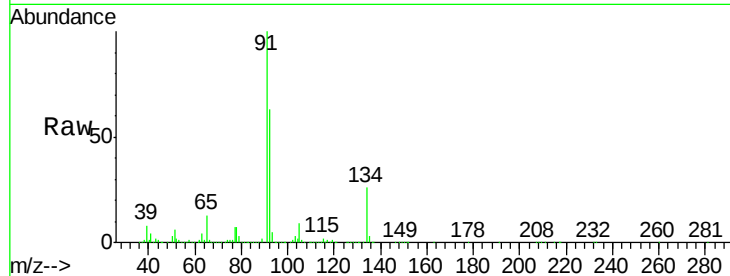
#89
n-Butylbenzene
Concen: 54.903 ug/l
RT: 12.88 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.0	31.2	93.6
134	26.2	13.1	39.1

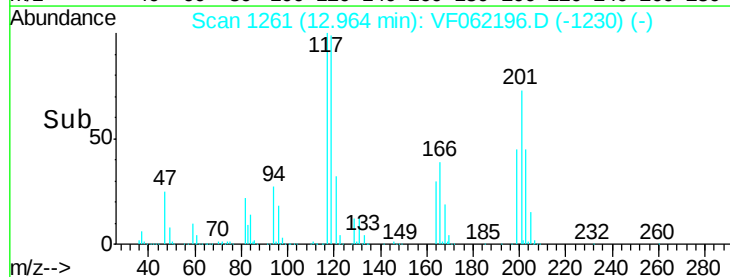
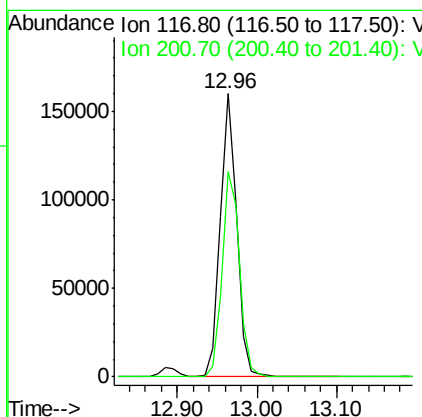
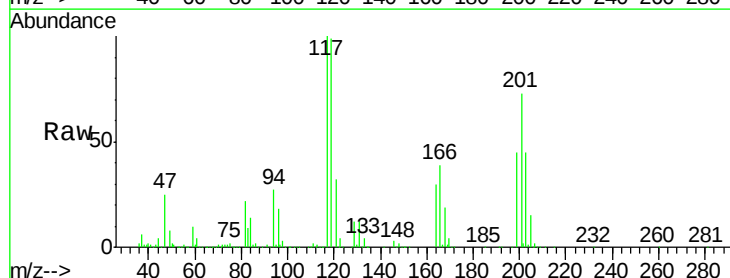
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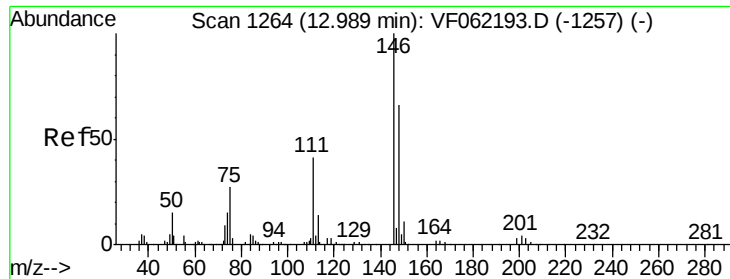
MMDadoda
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#90
Hexachloroethane
Concen: 50.609 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.0	37.7	113.1





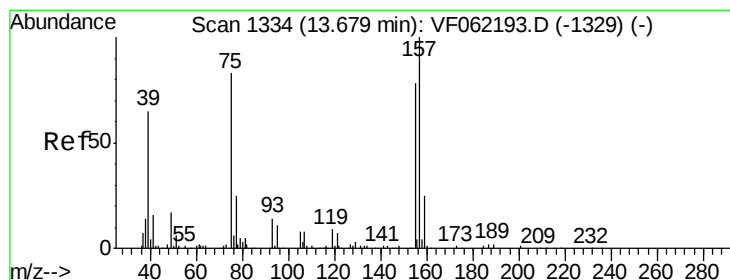
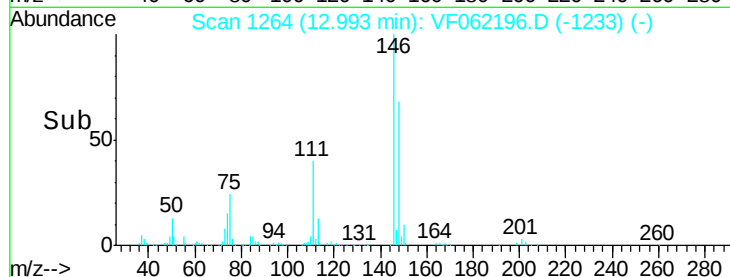
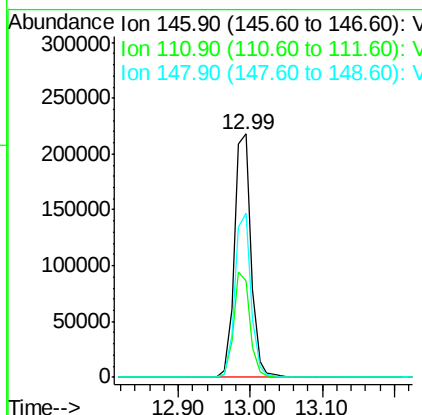
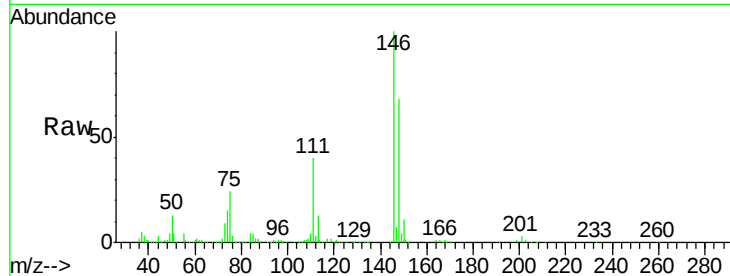
#91
 1,2-Dichlorobenzene
 Concen: 47.936 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041719

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.5
148	65.8	33.0	99.0

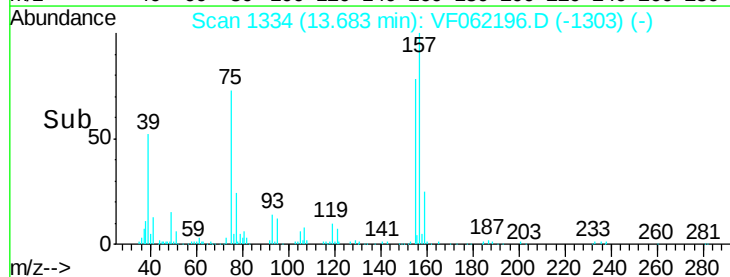
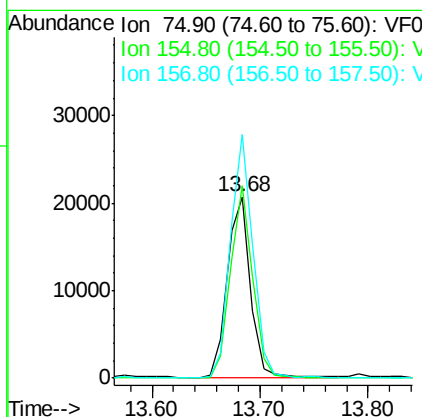
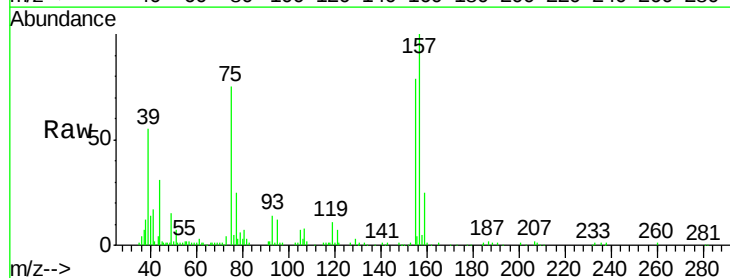
Manual Integrations
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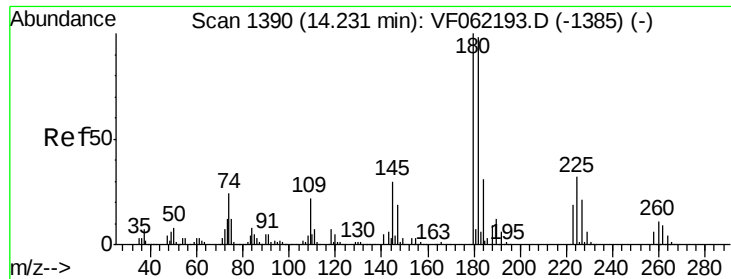
MMDadoda
 4/19/2019 10:53:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.215 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	47.6	142.8
157	129.6	61.3	183.9





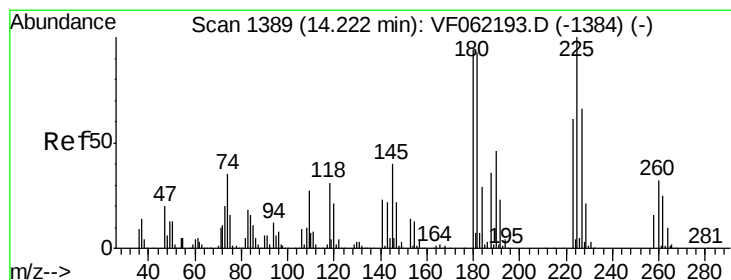
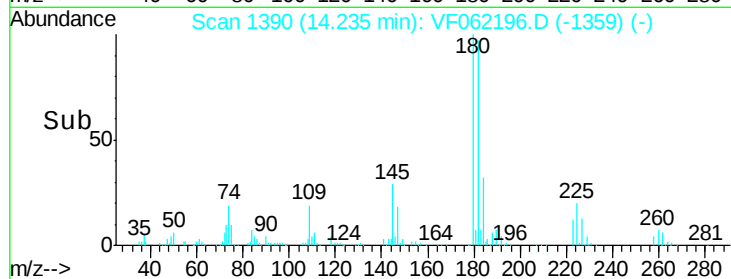
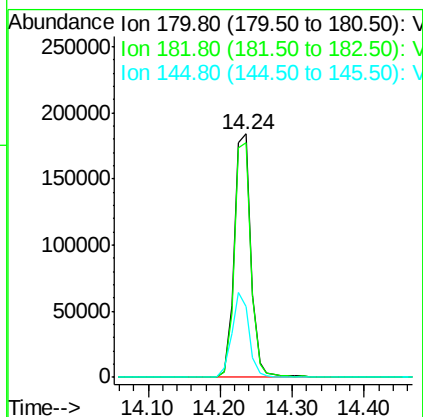
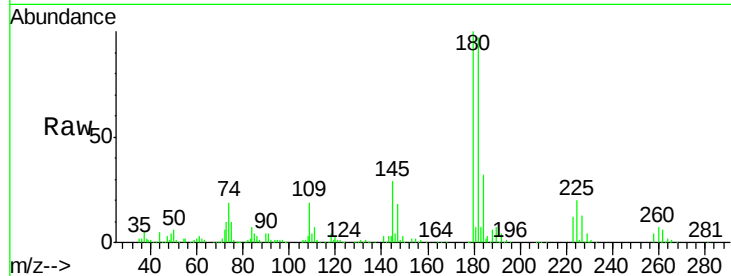
#93
 1,2,4-Trichlorobenzene
 Concen: 48.774 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV041719

Tot Ion	Ratio	Resp	Lower	Upper
180	100	299703		
182	96.2	49.3	147.9	
145	35.4	18.1	54.4	

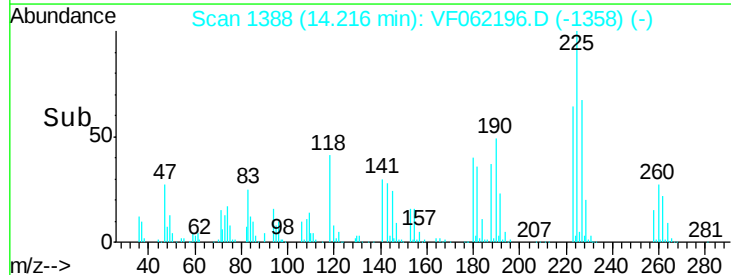
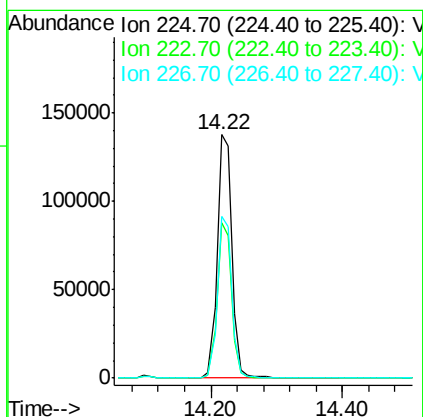
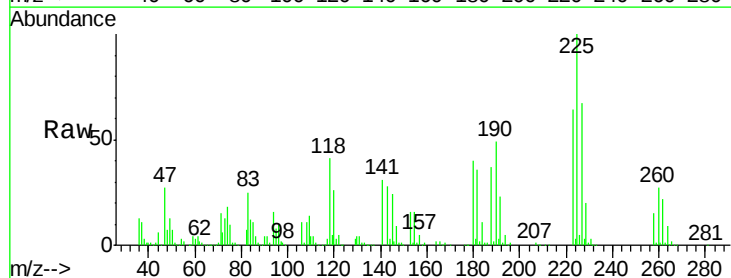
Manual Integrations
 APPROVED

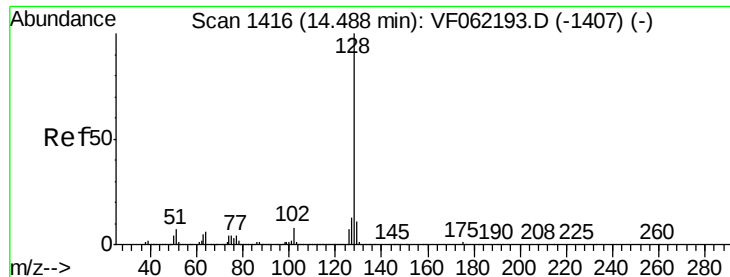
MMDadoda
 4/19/2019 10:53:38 AM



#94
 Hexachlorobutadiene
 Concen: 50.484 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	212707		
223	62.4	31.0	93.0	
227	64.8	32.4	97.0	





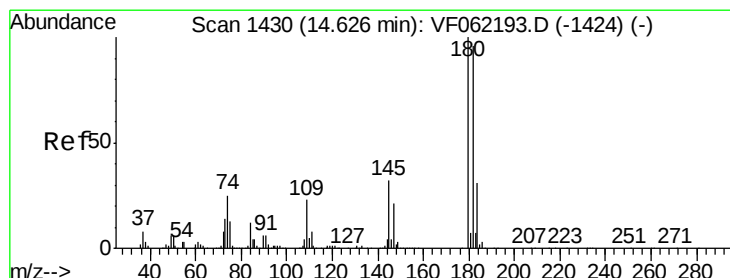
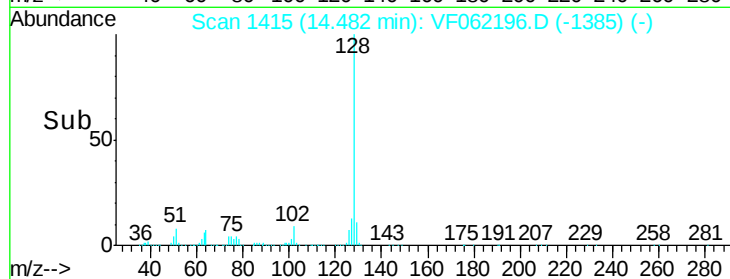
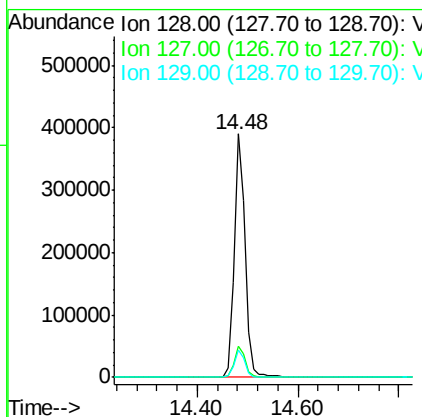
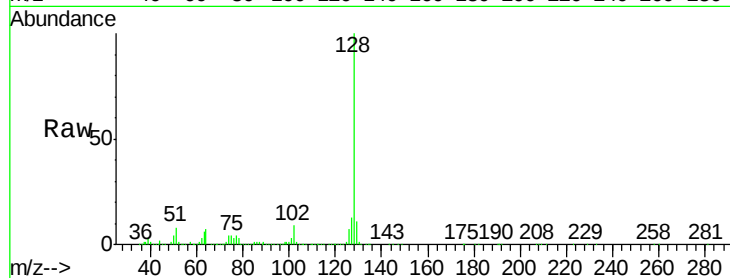
#95
Naphthalene
Concen: 52.569 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041719

Tot Ion	Ratio	Resp	Lower	Upper
128	100	564811		
127	12.8		10.4	15.6
129	11.3		9.2	13.8

Manual Integrations
APPROVED

MMDadoda
4/19/2019 10:53:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.214 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	296219		
182	97.0		48.4	145.3
145	30.9		15.6	46.8

