

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062084.D
 Acq On : 22 Mar 2019 15:56
 Operator : VA/AP
 Sample : VF0322SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:16 AM

Quant Time: Mar 23 06:29:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	271220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	429332	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	351709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	189068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.88	65	106314	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
35) Dibromofluoromethane	4.15	113	150438	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	7.58	98	448767	51.77	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.44	95	173958	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	74985	21.581	ug/l	96
3) Chloromethane	1.10	50	76613	21.073	ug/l	97
4) Vinyl Chloride	1.14	62	72031	21.420	ug/l	99
5) Bromomethane	1.32	94	46427	19.206	ug/l	91
6) Chloroethane	1.40	64	36073	21.309	ug/l	98
7) Trichlorofluoromethane	1.49	101	86531	21.306	ug/l	98
8) Diethyl Ether	1.64	74	18071	19.479	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.86	101	56170	20.272	ug/l	91
10) Methyl Iodide	1.93	142	108178m	20.545	ug/l	
11) Tert butyl alcohol	2.60	59	11780	106.127	ug/l	95
12) 1,1-Dichloroethene	1.81	96	53003	20.274	ug/l	93
13) Acrolein	2.02	56	16221	121.527	ug/l	93
14) Allyl chloride	2.12	41	65182	23.353	ug/l	92
15) Acrylonitrile	2.98	53	39682	101.664	ug/l	89
16) Acetone	2.26	43	42831	100.877	ug/l	94
17) Carbon Disulfide	1.82	76	164296	20.609	ug/l	100
18) Methyl Acetate	2.37	43	21954	21.676	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	85608	20.719	ug/l #	90
20) Methylene Chloride	2.20	84	62938m	22.914	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	57265	22.765	ug/l	98
22) Diisopropyl ether	2.82	45	156786	21.424	ug/l	95
23) Vinyl Acetate	3.22	43	331037	110.483	ug/l	99
24) 1,1-Dichloroethane	2.90	63	91884	20.937	ug/l	98
25) 2-Butanone	4.37	43	89755	101.261	ug/l	99
26) 2,2-Dichloropropane	3.63	77	38610	21.699	ug/l	99
27) cis-1,2-Dichloroethene	3.51	96	64252	19.276	ug/l	99
28) Bromochloromethane	3.75	49	41027	22.881	ug/l	91
29) Tetrahydrofuran	4.12	42	41878	108.666	ug/l	95
30) Chloroform	3.90	83	100573	21.685	ug/l	99
31) Cyclohexane	3.72	56	95341m	20.801	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	59452	21.073	ug/l	94
36) 1,1-Dichloropropene	4.32	75	82872	20.265	ug/l	99
37) Ethyl Acetate	4.15	43	34611	19.366	ug/l #	98
38) Carbon Tetrachloride	4.02	117	57321	20.566	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	98584	20.771	ug/l	94
40) Benzene	4.67	78	220627	20.125	ug/l	100
41) Methacrylonitrile	4.77	41	18315	19.368	ug/l #	87
42) 1,2-Dichloroethane	4.98	62	52023	20.067	ug/l	100
43) Isopropyl Acetate	6.99	43	42525	19.648	ug/l #	96
44) Trichloroethene	5.54	130	68964	20.576	ug/l	96
45) 1,2-Dichloropropane	6.27	63	52279	19.994	ug/l	98
46) Dibromomethane	6.12	93	29382	18.378	ug/l	91
47) Bromodichloromethane	6.42	83	68922	19.463	ug/l #	91
48) Methyl methacrylate	6.75	41	23980	19.459	ug/l	95
49) 1,4-Dioxane	6.75	88	4655	430.489	ug/l #	85
51) 4-Methyl-2-Pentanone	8.29	43	149793	103.403	ug/l	95
52) Toluene	7.66	92	128474	20.233	ug/l	96
53) t-1,3-Dichloropropene	8.31	75	57020	20.511	ug/l	97
54) cis-1,3-Dichloropropene	7.33	75	78163	19.651	ug/l	98
55) 1,1,2-Trichloroethane	8.52	97	32717	18.140	ug/l	96
56) Ethyl methacrylate	8.65	69	42536	19.775	ug/l	92
57) 1,3-Dichloropropane	8.88	76	57519	19.215	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.32	63	30308	92.855	ug/l	98
59) 2-Hexanone	9.52	43	108214	101.924	ug/l	94
60) Dibromochloromethane	8.74	129	48234	19.237	ug/l	98
61) 1,2-Dibromoethane	9.02	107	37419	19.446	ug/l	99
64) Tetrachloroethene	8.18	164	53430	19.663	ug/l	97
65) Chlorobenzene	9.83	112	133502	20.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.96	131	54599	20.655	ug/l	92
67) Ethyl Benzene	9.93	91	239359	20.915	ug/l	99
68) m/p-Xylenes	10.16	106	175340	40.992	ug/l	95
69) o-Xylene	10.74	106	95086	21.224	ug/l	95
70) Styrene	10.81	104	141394	20.830	ug/l	96
71) Bromoform	10.79	173	25319	18.726	ug/l	95
73) Isopropylbenzene	11.15	105	266660	20.044	ug/l	97
74) N-amyl acetate	11.40	43	65880	20.782	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.71	83	44633	19.539	ug/l	96
76) 1,2,3-Trichloropropane	11.81	75	28645	17.818	ug/l	96
77) Bromobenzene	11.51	156	61513	18.925	ug/l	85
78) n-propylbenzene	11.61	91	321497	20.811	ug/l	99
79) 2-Chlorotoluene	11.74	91	176440	20.548	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	229287	20.953	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.89	75	12869m	19.645	ug/l	
82) 4-Chlorotoluene	11.92	91	176169	20.010	ug/l	100
83) tert-Butylbenzene	12.15	119	239397	20.898	ug/l	94
84) 1,2,4-Trimethylbenzene	12.22	105	219686	20.478	ug/l	99
85) sec-Butylbenzene	12.32	105	310027	20.920	ug/l	99
86) p-Isopropyltoluene	12.48	119	268616	20.922	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	124238	20.573	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	121654	20.645	ug/l	98
89) n-Butylbenzene	12.87	91	255627	20.869	ug/l	95
90) Hexachloroethane	12.93	117	61708	20.185	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	120721	21.290	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	6603	19.077	ug/l	87

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ClientSampleId :
VF0322SBSD01

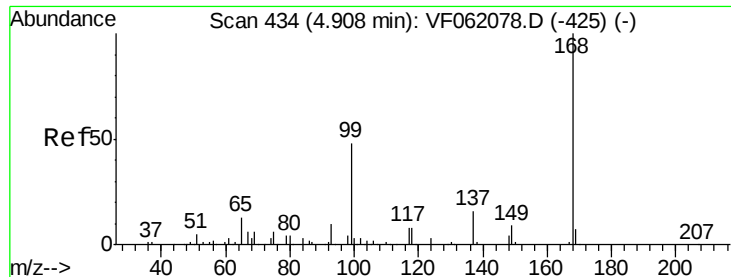
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	82831	20.959	µg/l	99
94) Hexachlorobutadiene	14.21	225	52627	20.028	µg/l	95
95) Naphthalene	14.47	128	138953	20.064	µg/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	72707	19.654	µg/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion:168 Resp: 271220

Ion Ratio Lower Upper

168 100

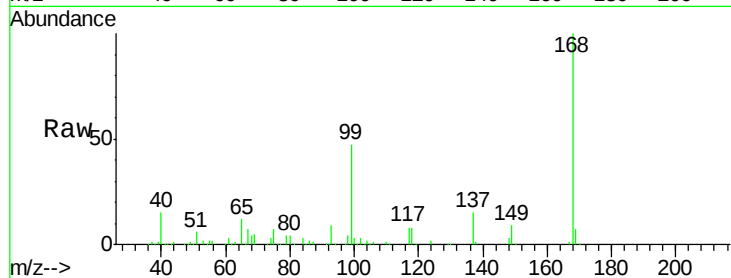
99 47.2 38.2 57.4

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

80000

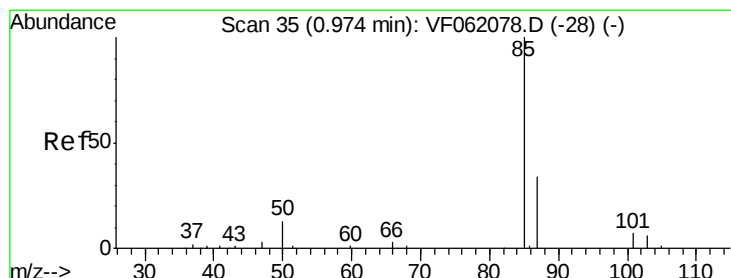
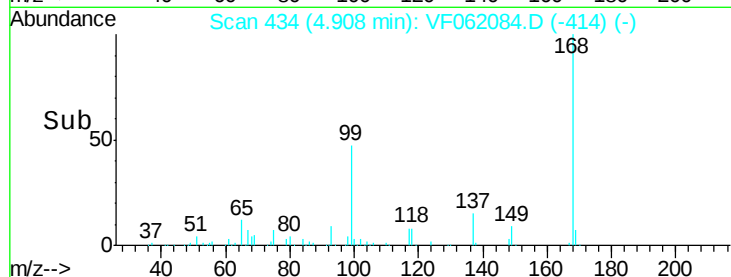
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 21.581 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062084.D

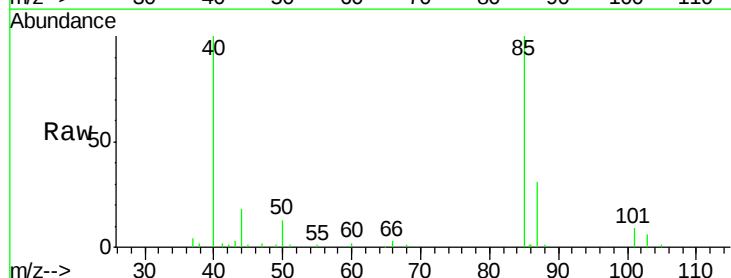
Acq: 22 Mar 2019 15:56

Tgt Ion: 85 Resp: 74985

Ion Ratio Lower Upper

85 100

87 31.5 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

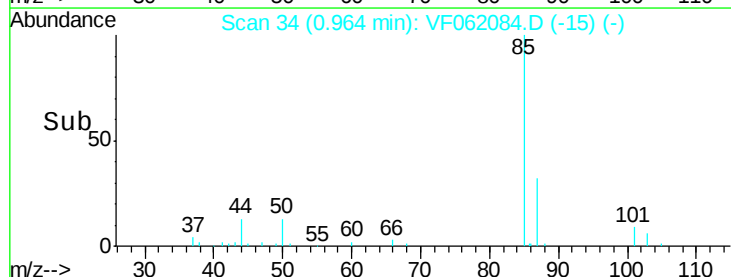
15000

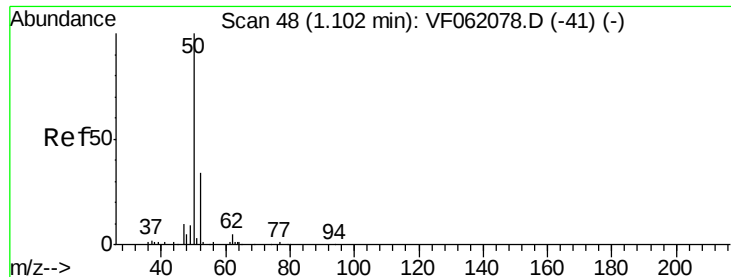
10000

5000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 21.073 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion: 50 Resp: 76613

Ion Ratio Lower Upper

50 100

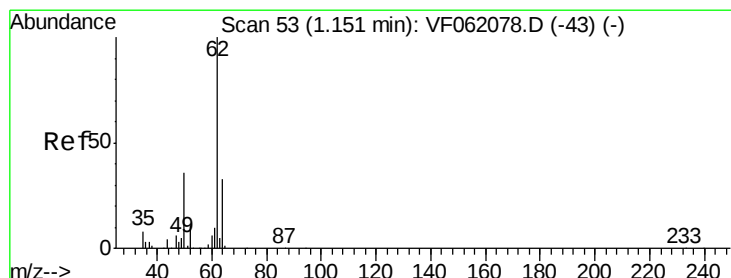
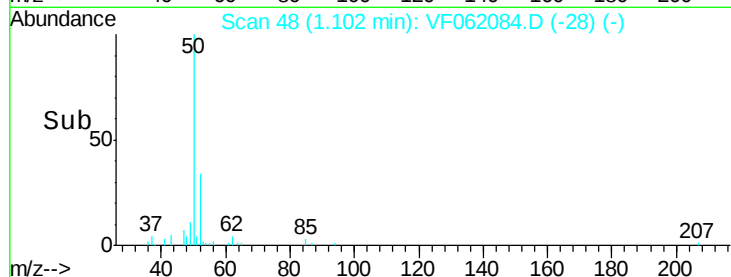
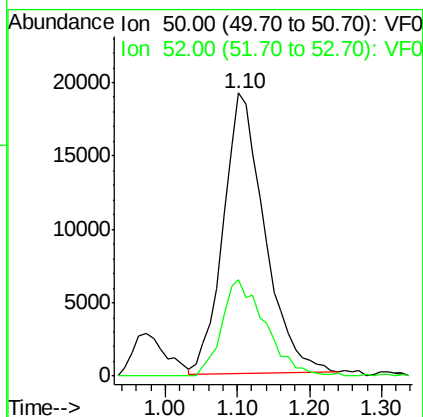
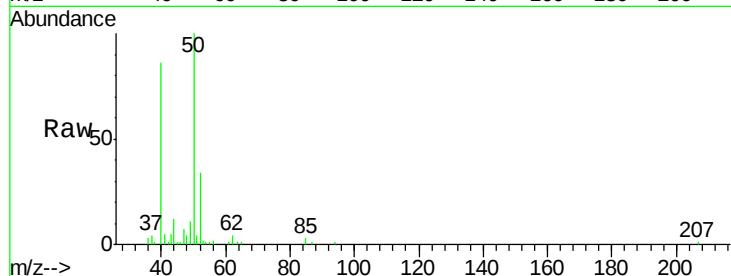
52 34.2 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.420 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062084.D

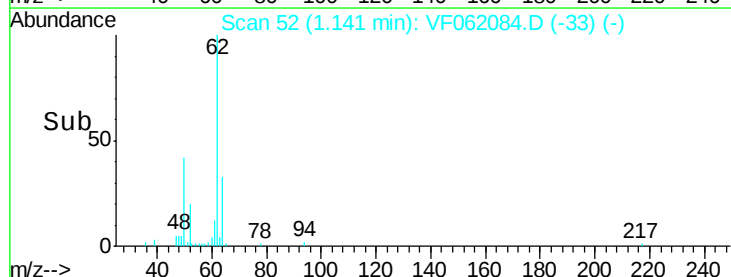
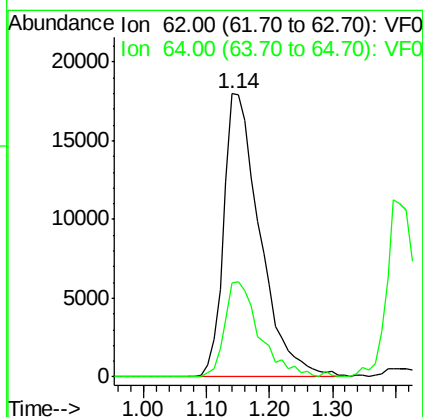
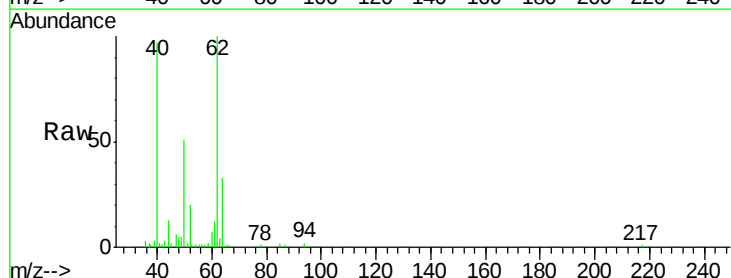
Acq: 22 Mar 2019 15:56

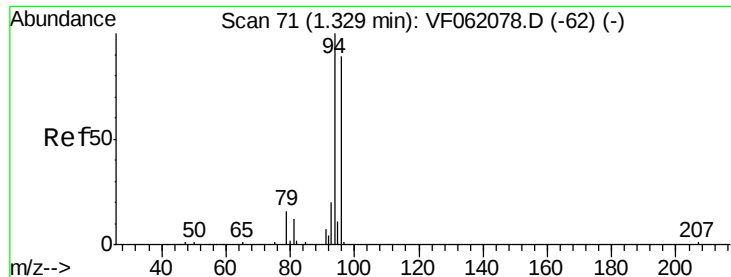
Tgt Ion: 62 Resp: 72031

Ion Ratio Lower Upper

62 100

64 33.4 26.2 39.2





#5

Bromomethane

Concen: 19.206 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion: 94 Resp: 46427

Ion Ratio Lower Upper

94 100

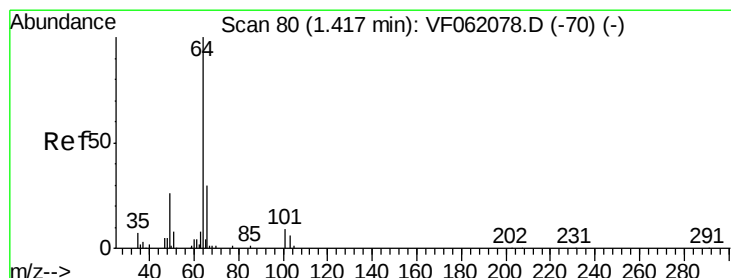
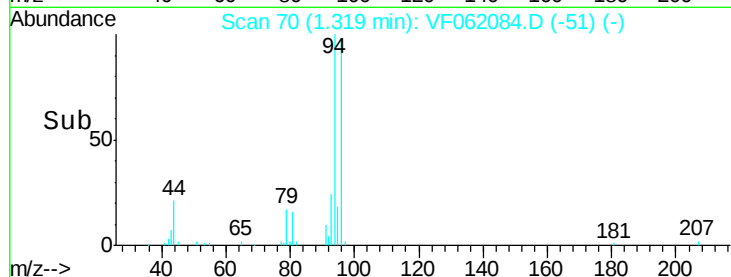
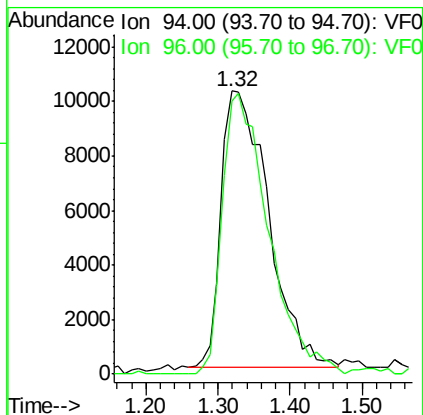
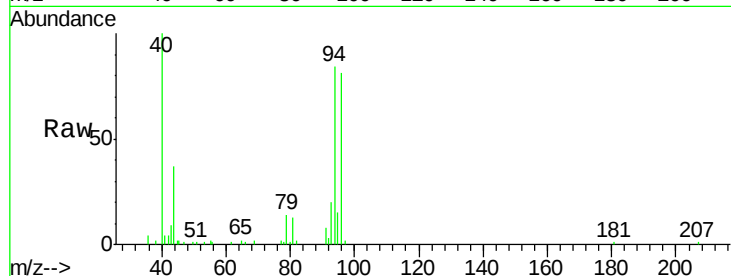
96 96.6 70.9 106.3

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#6

Chloroethane

Concen: 21.309 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.02 min

Lab File: VF062084.D

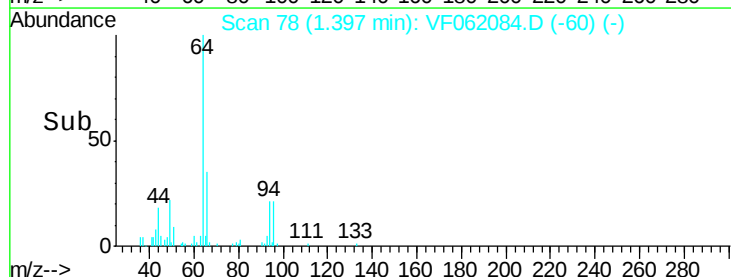
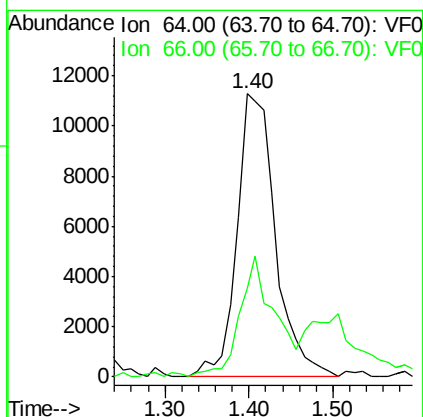
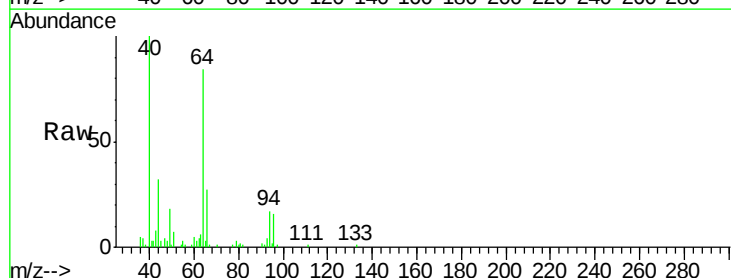
Acq: 22 Mar 2019 15:56

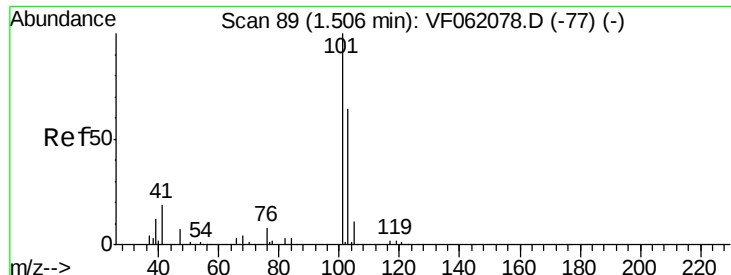
Tgt Ion: 64 Resp: 36073

Ion Ratio Lower Upper

64 100

66 31.5 24.5 36.7





#7

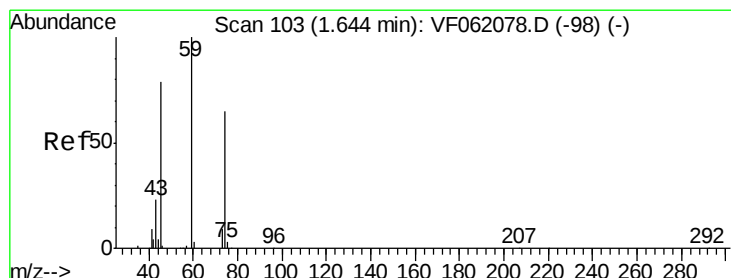
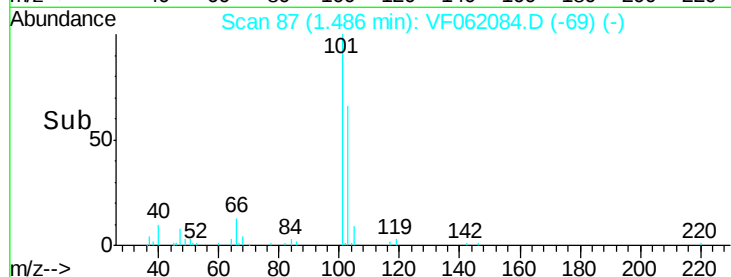
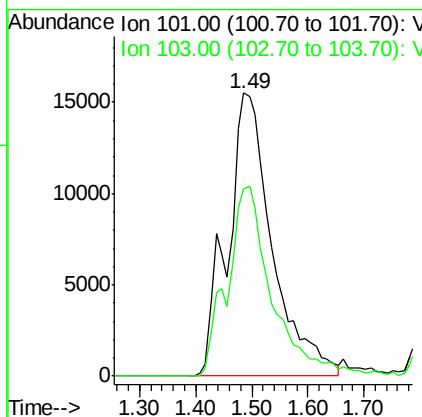
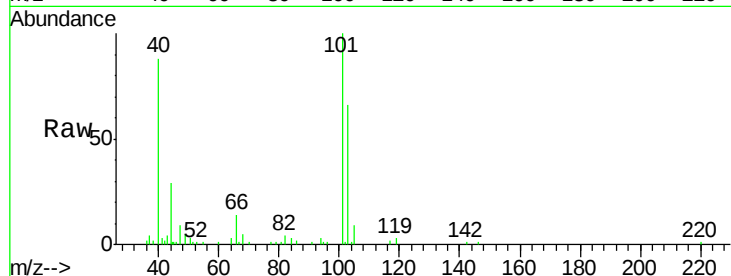
Trichlorofluoromethane
Concen: 21.306 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.02 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

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ClientSampleId :
VF0322SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.5	77.3

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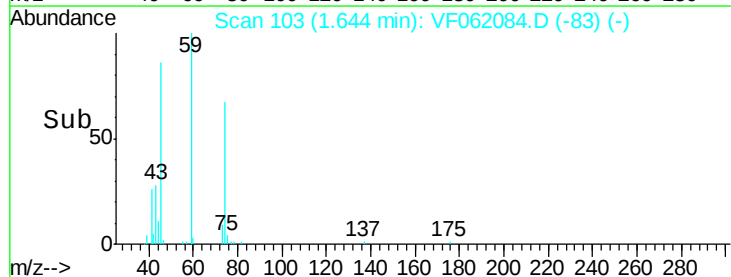
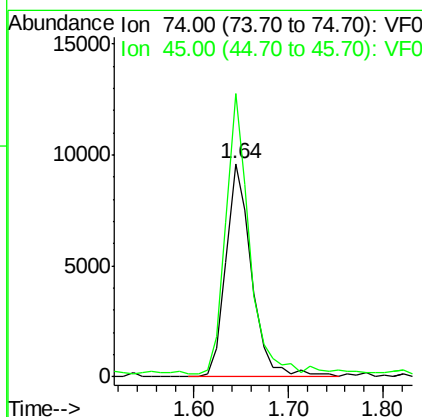
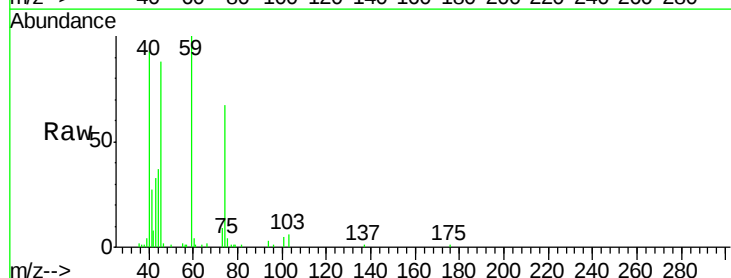
MMDadoda
3/27/2019 11:57:16 AM

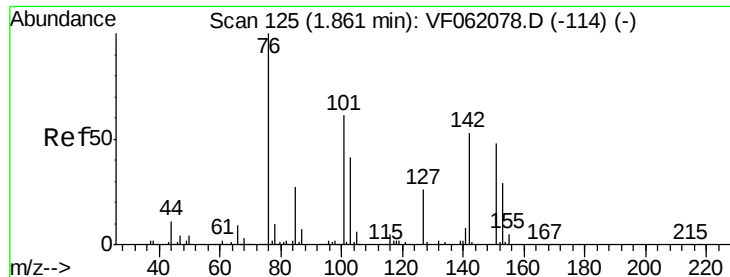


#8

Diethyl Ether
Concen: 19.479 ug/l
RT: 1.64 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.7	61.4	184.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.272 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF062084.D

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Instrument :

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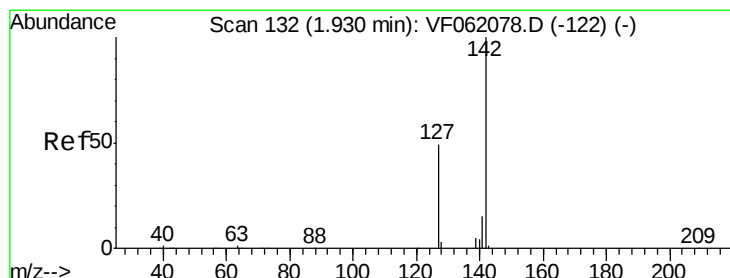
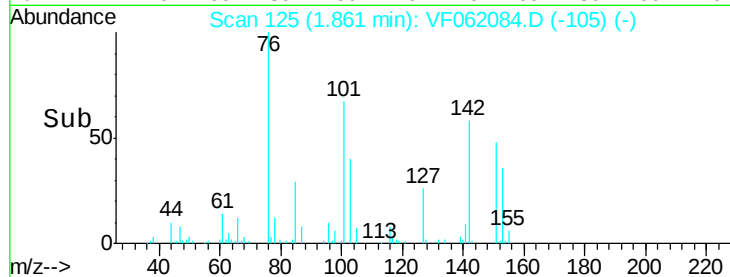
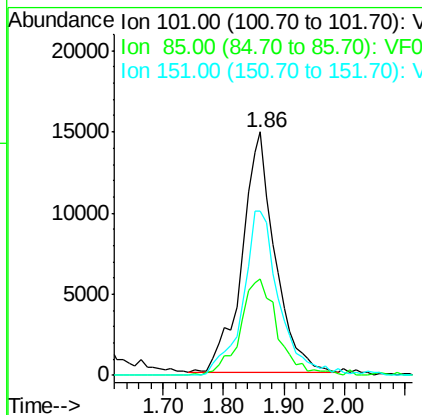
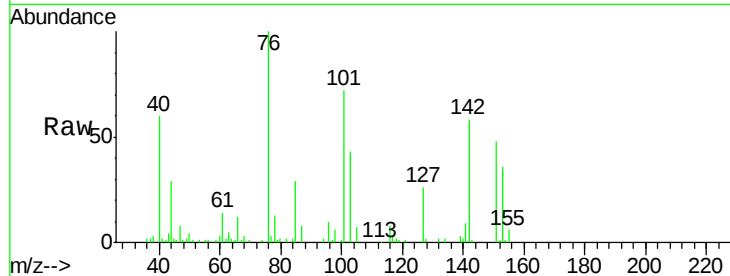
ClientSampleId :

VF0322SBS01

Tot Ion:	101	Resp:	56170
Ion Ratio	Lower	Upper	
101	100		
85	39.8	34.6	52.0
151	67.6	61.7	92.5

Manual Integrations
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#10

Methyl Iodide

Concen: 20.545 ug/l m

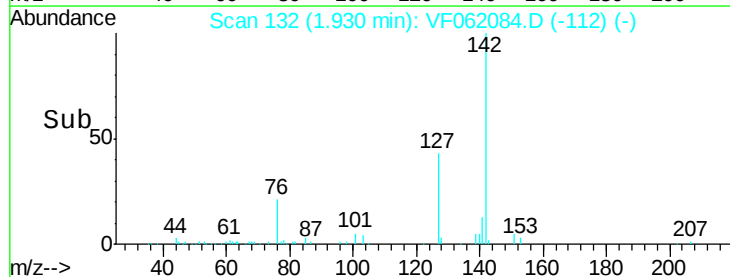
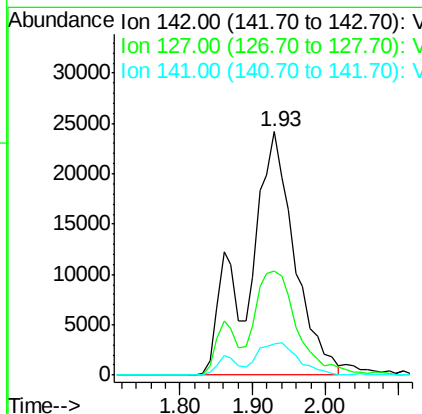
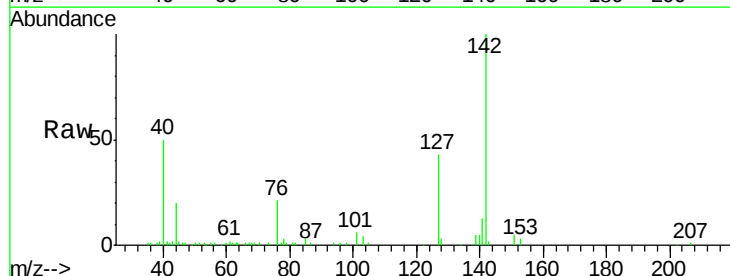
RT: 1.93 min Scan# 132

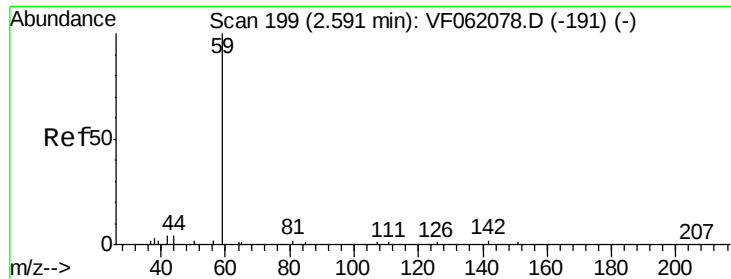
Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion:	142	Resp:	108178
Ion Ratio	Lower	Upper	
142	100		
127	42.8	39.1	58.7
141	13.0	12.2	18.4





#11

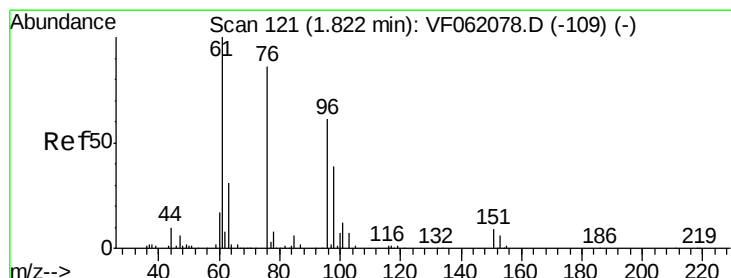
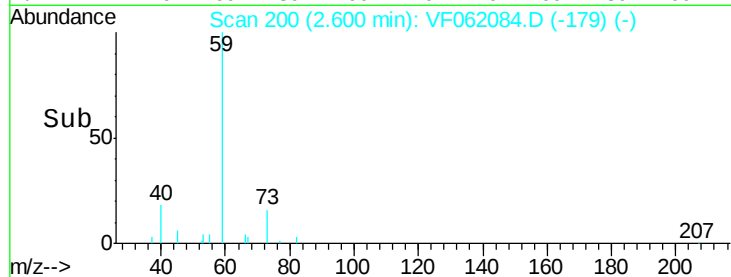
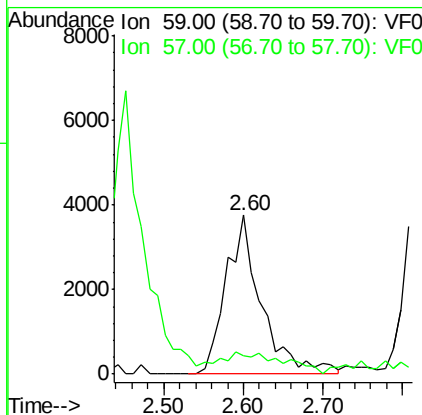
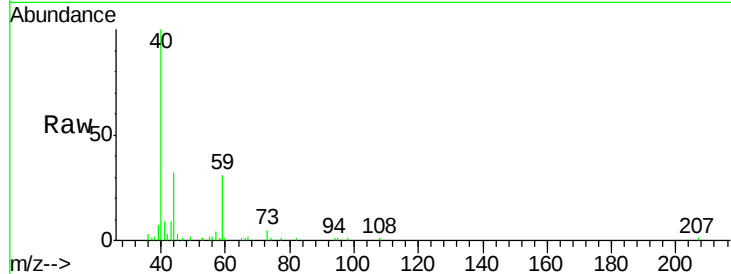
Tert butyl alcohol
Concen: 106.127 ug/l
RT: 2.60 min Scan# 200
Delta R.T. 0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion: 59 Resp: 11780
Ion Ratio Lower Upper
59 100
57 11.7 11.0 16.4

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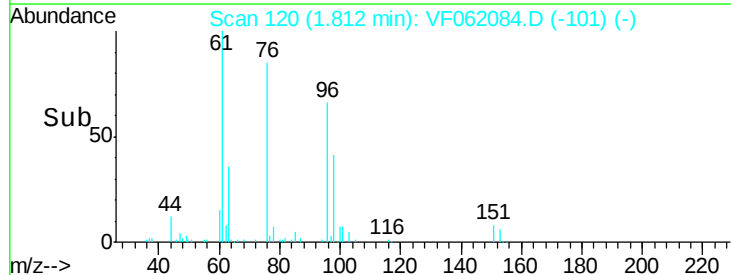
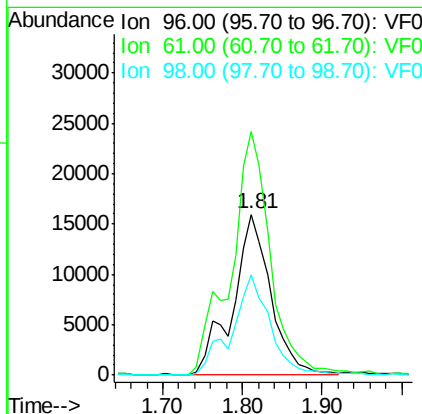
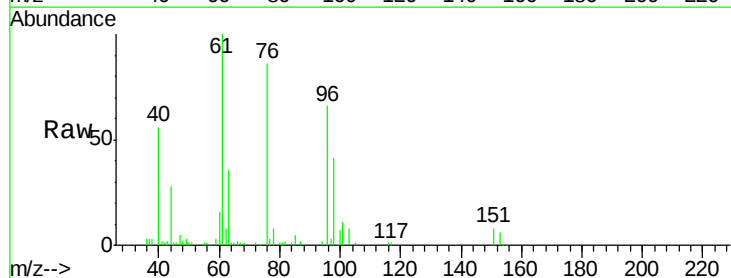
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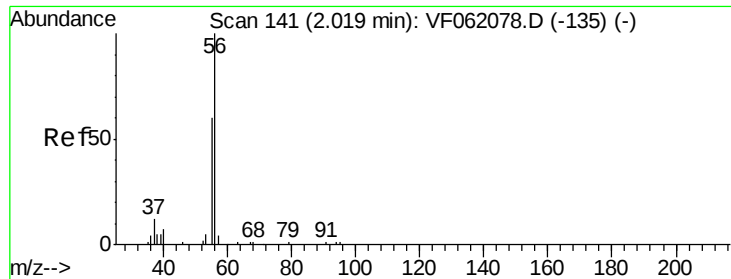


#12

1,1-Dichloroethene
Concen: 20.274 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion: 96 Resp: 53003
Ion Ratio Lower Upper
96 100
61 151.4 131.0 196.6
98 62.2 51.5 77.3





#13

Acrolein

Concen: 121.527 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion: 56 Resp: 16221

Ion Ratio Lower Upper

56 100

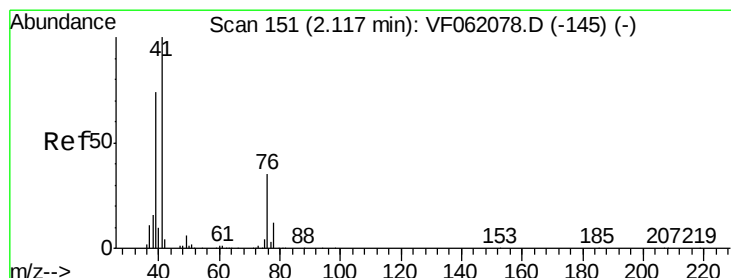
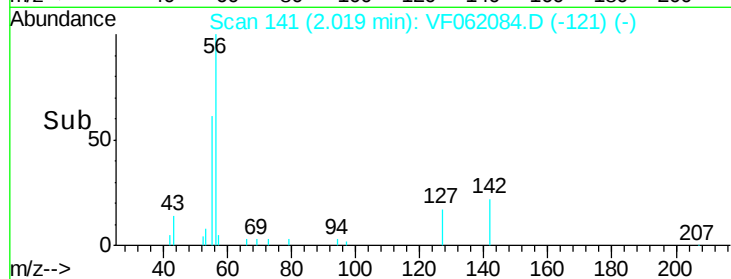
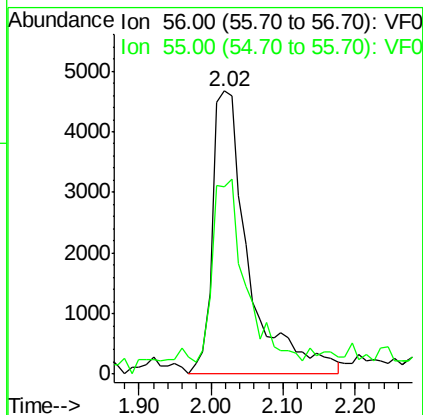
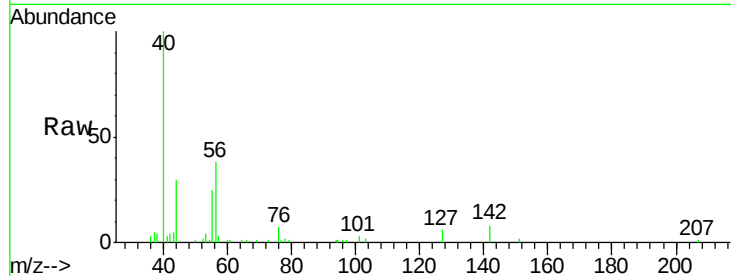
55 66.2 49.0 73.4

Manual Integrations

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#14

Allyl chloride

Concen: 23.353 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

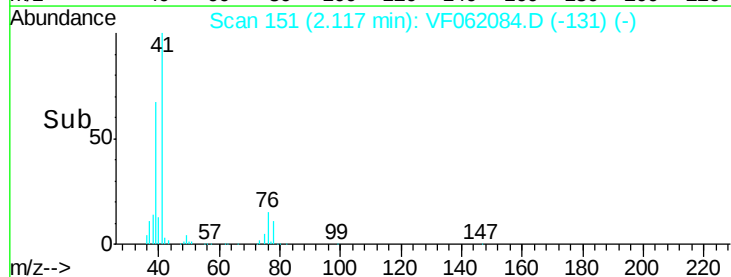
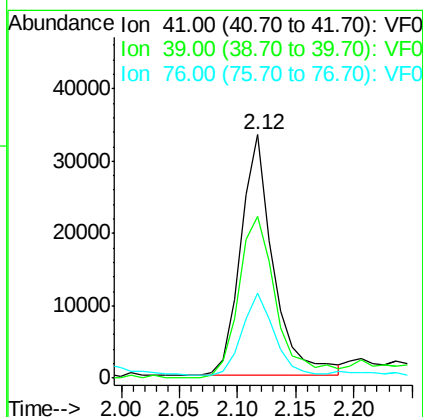
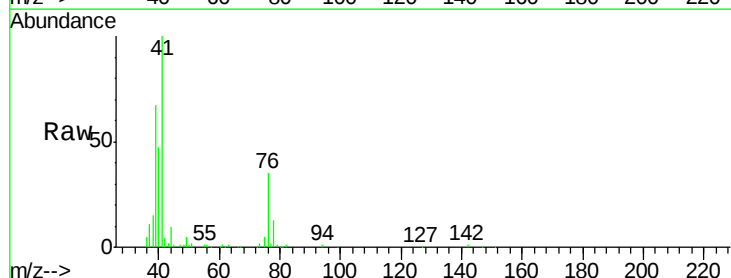
Tgt Ion: 41 Resp: 65182

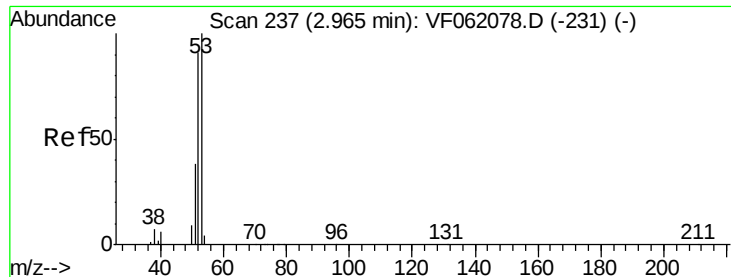
Ion Ratio Lower Upper

41 100

39 66.6 59.8 89.8

76 35.1 30.0 45.0





#15

Acrylonitrile

Concen: 101.664 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

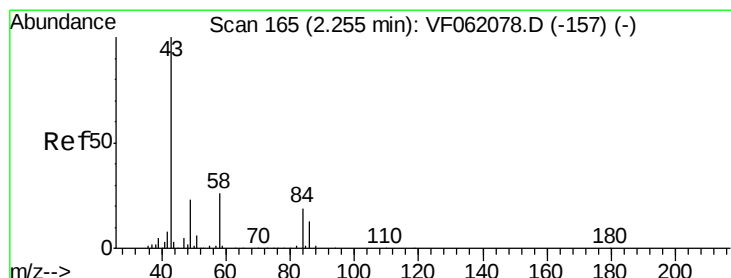
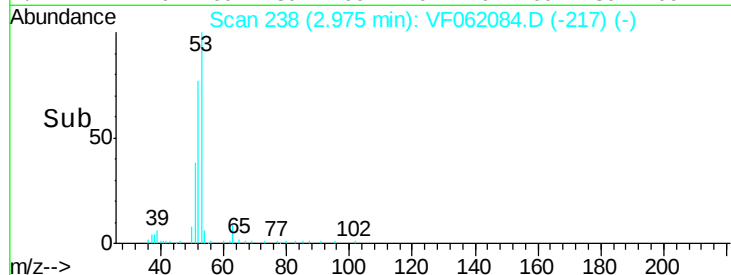
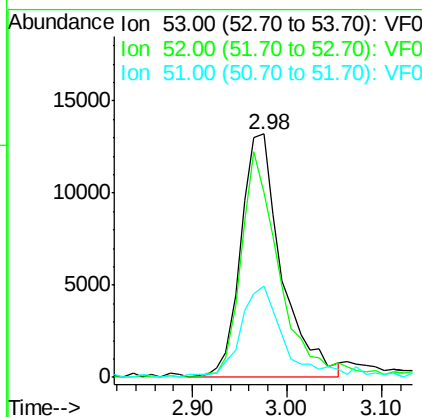
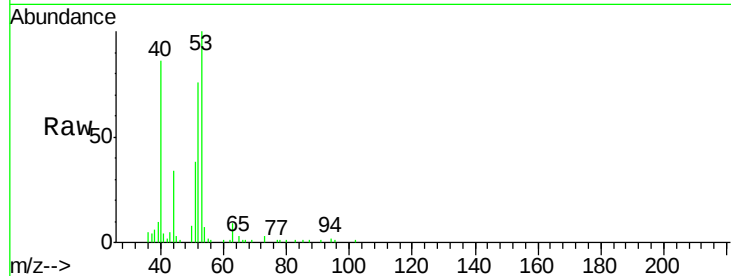
ClientSampleId :

VF0322SBS01

Tot Ion:	53	Resp:	39682
Ion	Ratio	Lower	Upper
53	100		
52	75.8	72.3	108.5
51	37.6	30.4	45.6

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#16

Acetone

Concen: 100.877 ug/l

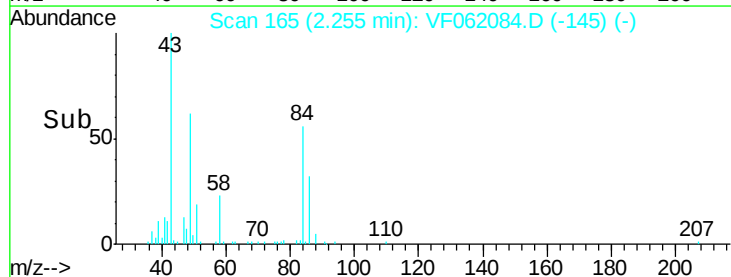
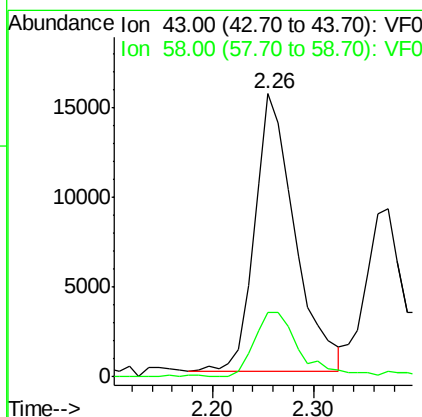
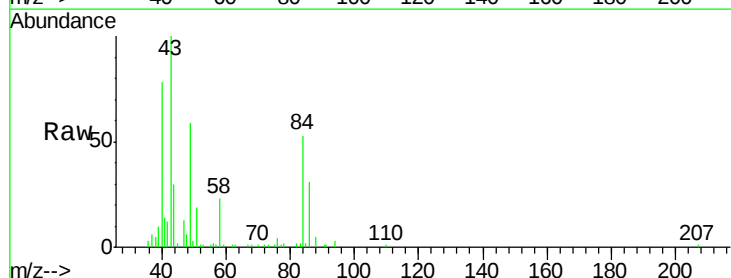
RT: 2.26 min Scan# 165

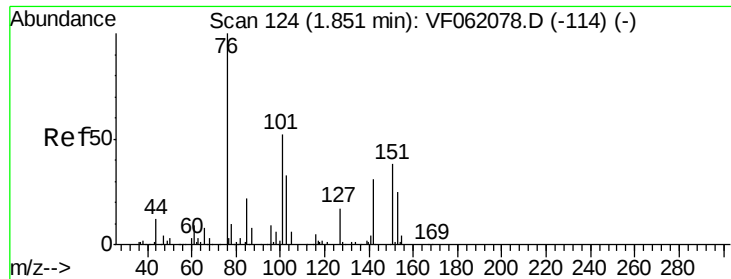
Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion:	43	Resp:	42831
Ion	Ratio	Lower	Upper
43	100		
58	22.8	20.8	31.2





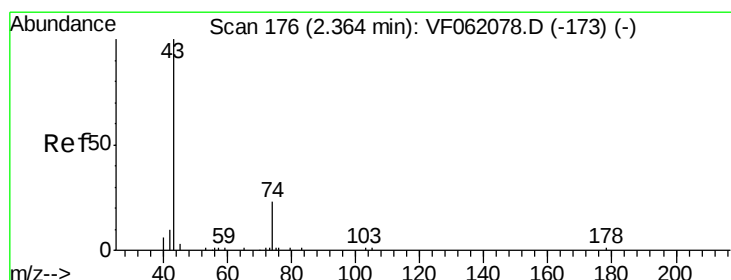
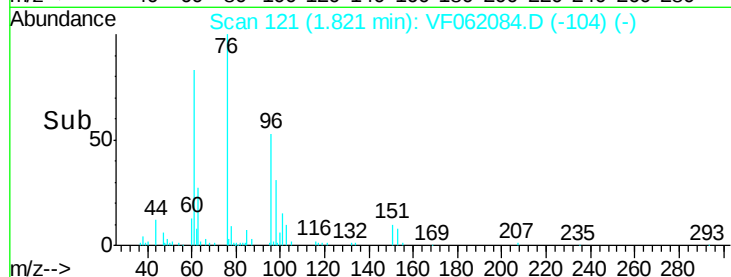
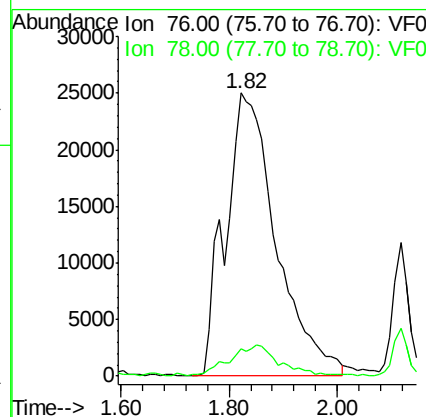
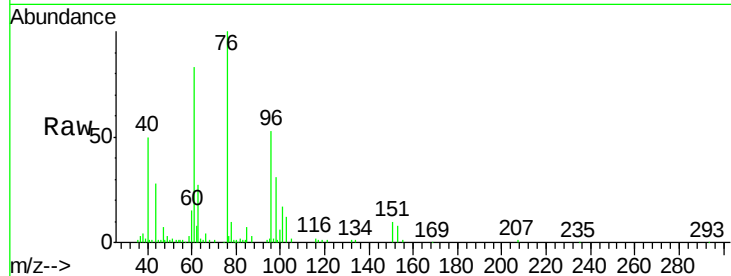
#17
Carbon Disulfide
Concen: 20.609 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.03 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion: 76 Resp: 164296
Ion Ratio Lower Upper
76 100
78 9.7 7.9 11.9

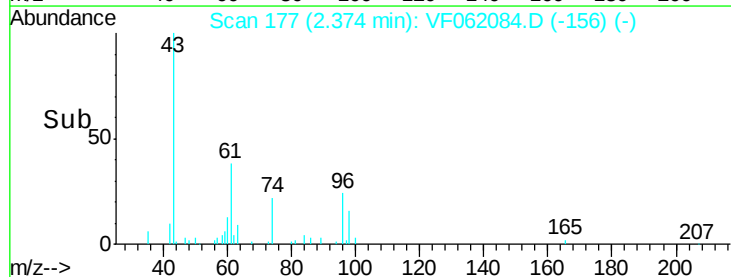
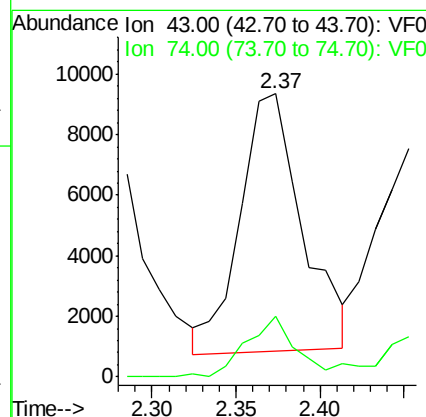
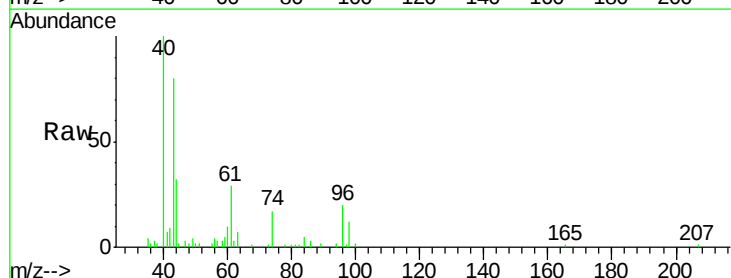
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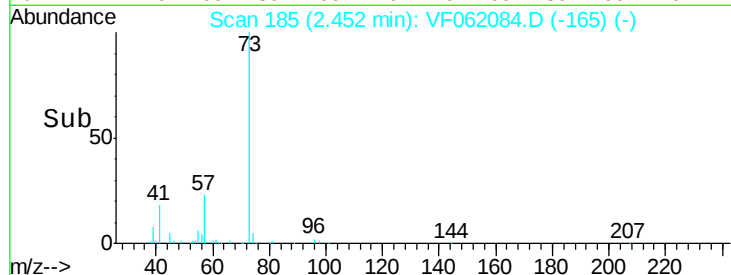
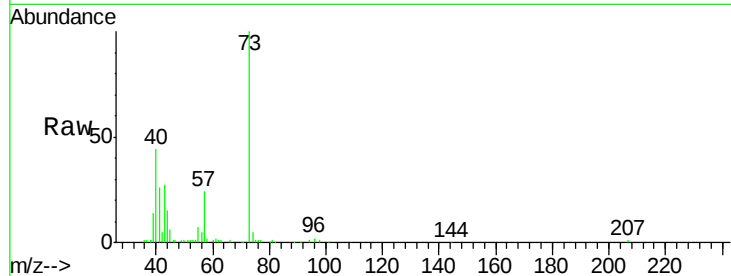
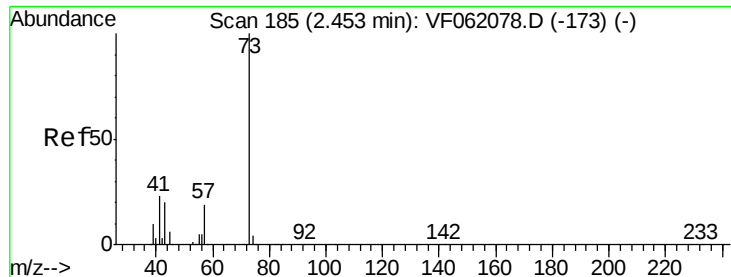
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#18
Methyl Acetate
Concen: 21.676 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion: 43 Resp: 21954
Ion Ratio Lower Upper
43 100
74 21.3 16.3 24.5





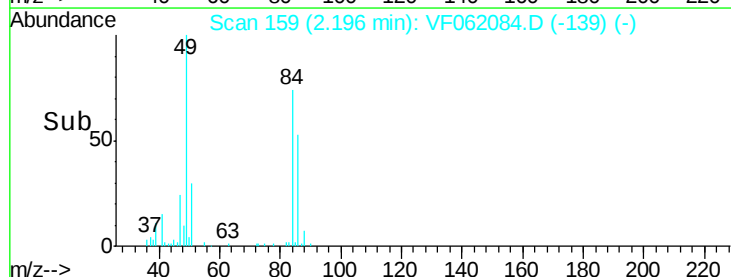
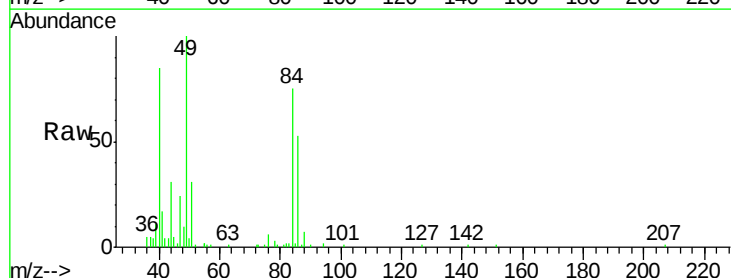
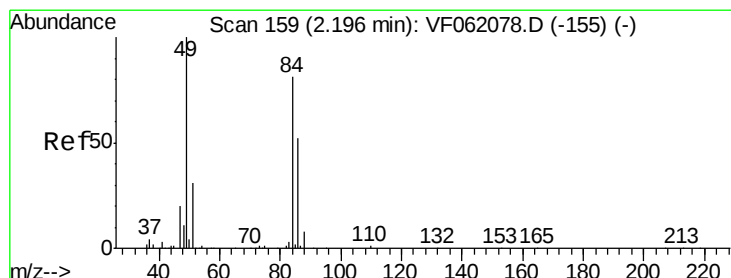
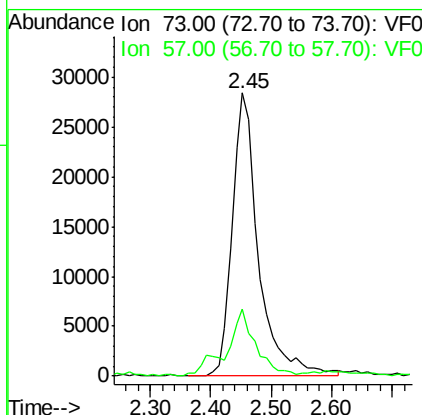
#19
Methyl tert-butyl Ether
Concen: 20.719 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tot Ion: 73 Resp: 85608
Ion Ratio Lower Upper
73 100
57 23.6 15.1 22.7#

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

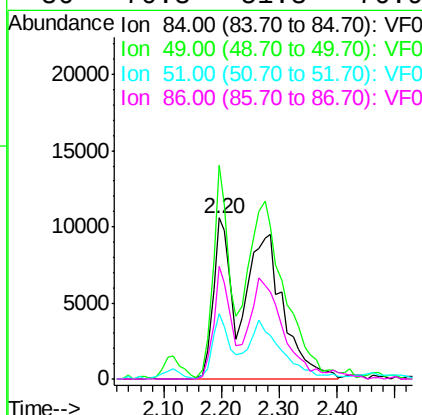
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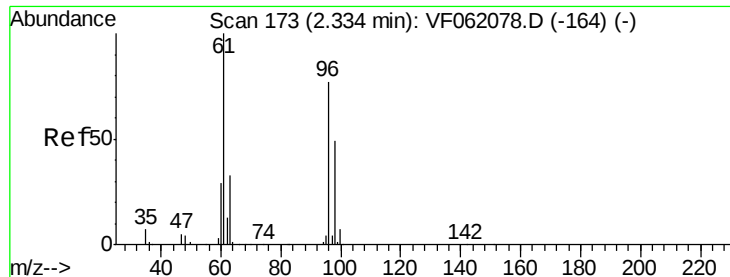
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#20
Methylene Chloride
Concen: 22.914 ug/l m
RT: 2.20 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion: 84 Resp: 62938
Ion Ratio Lower Upper
84 100
49 132.8 100.4 150.6
51 40.9 31.0 46.6
86 70.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 22.765 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

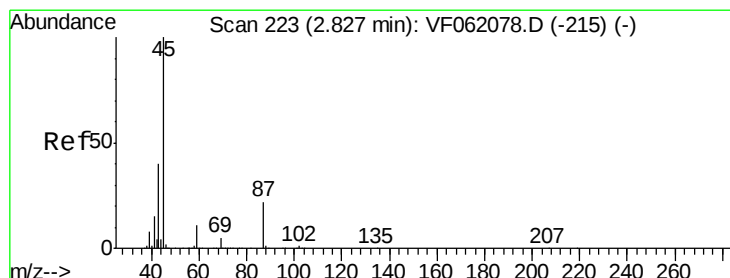
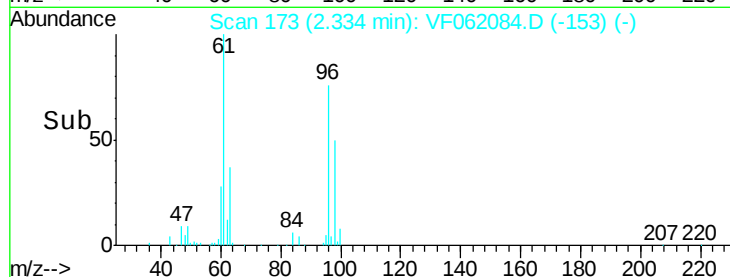
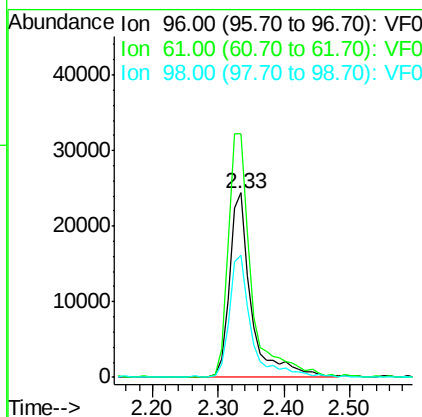
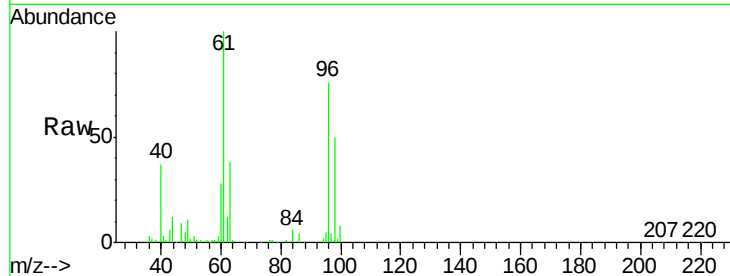
ClientSampleId :

VF0322SBS01

Tot Ion:	96	Resp:	57265
Ion	Ratio	Lower	Upper
96	100		
61	131.9	104.5	156.7
98	66.3	51.2	76.8

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#22

Diisopropyl ether

Concen: 21.424 ug/l

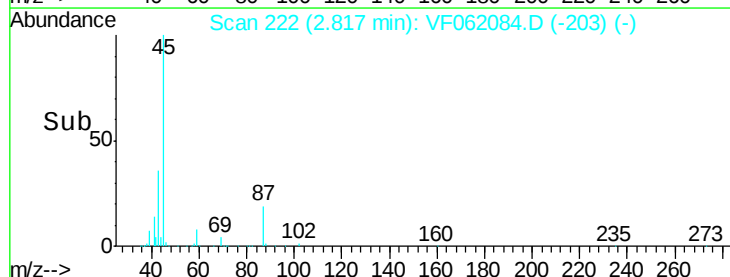
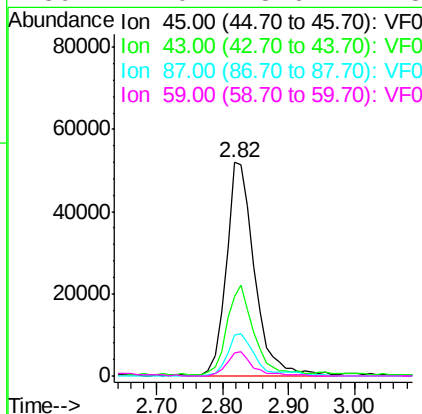
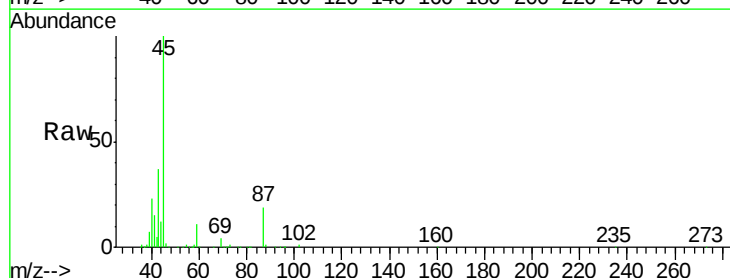
RT: 2.82 min Scan# 222

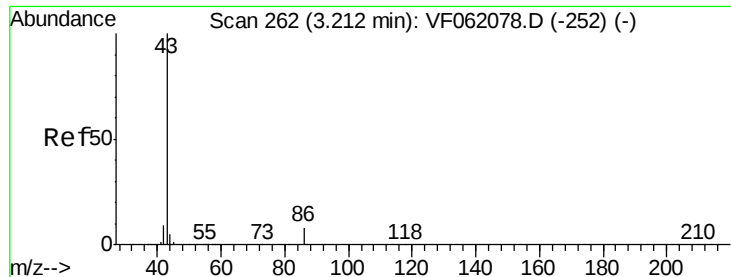
Delta R.T. -0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion:	45	Resp:	156786
Ion	Ratio	Lower	Upper
45	100		
43	37.3	32.5	48.7
87	19.2	17.4	26.2
59	11.0	8.6	12.8





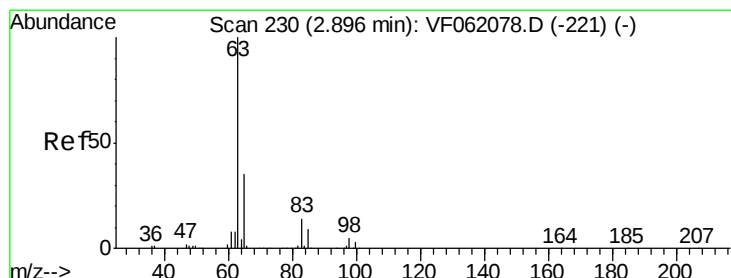
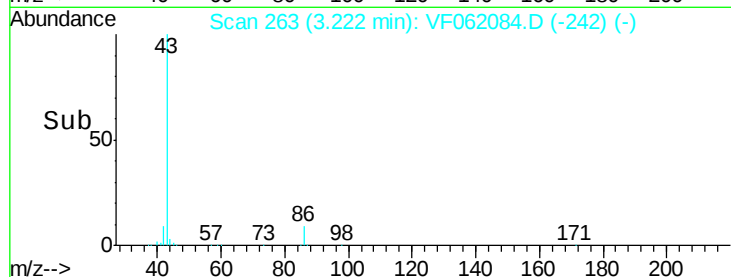
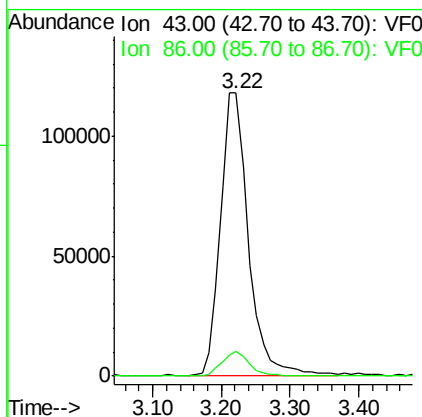
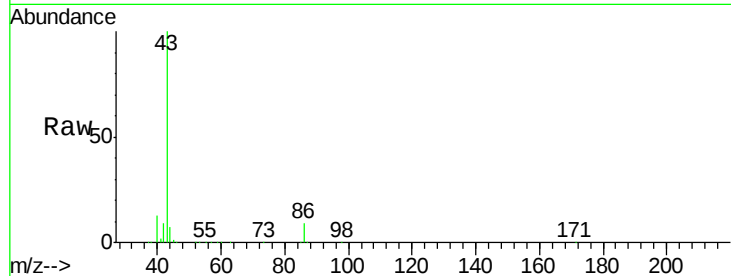
#23
 Vinyl Acetate
 Concen: 110.483 ug/l
 RT: 3.22 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0322SBS01

Tot Ion	43	Resp	331037
Ion Ratio	Lower	Upper	
43	100		
86	8.7	6.8	10.2

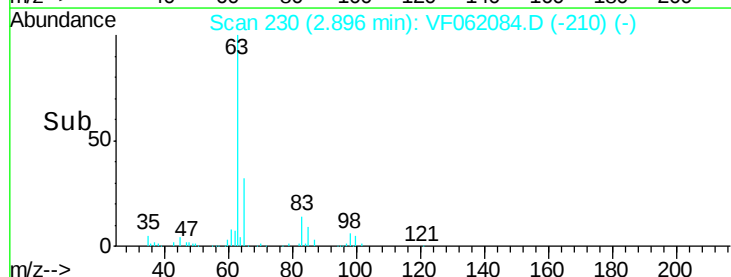
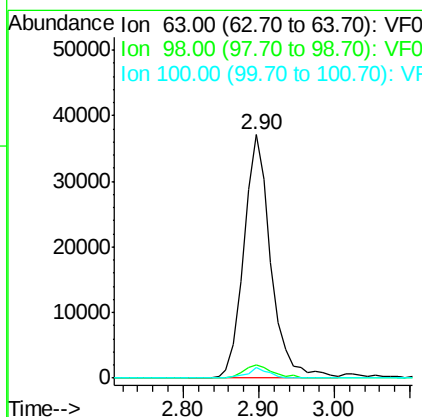
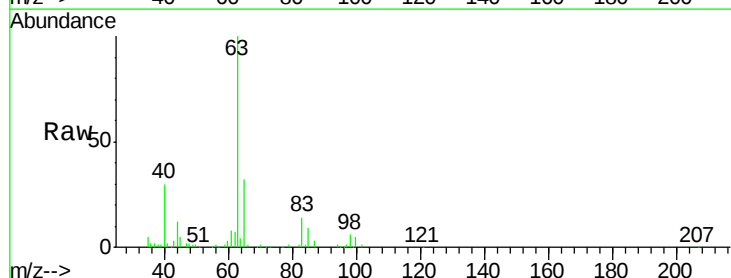
Manual Integrations
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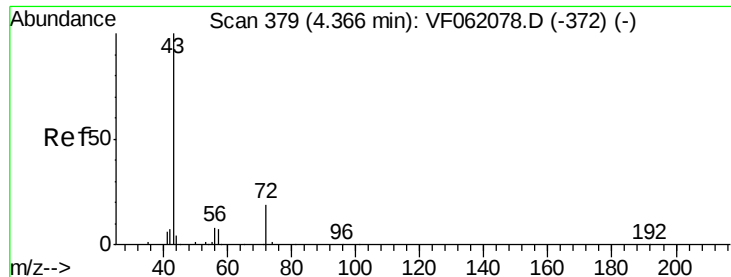
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#24
 1,1-Dichloroethane
 Concen: 20.937 ug/l
 RT: 2.90 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Tgt Ion	63	Resp	91884
Ion Ratio	Lower	Upper	
63	100		
98	5.7	2.7	8.1
100	4.6	1.7	5.1





#25

2-Butanone

Concen: 101.261 ug/l

RT: 4.37 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion: 43 Resp: 89755

Ion Ratio Lower Upper

43 100

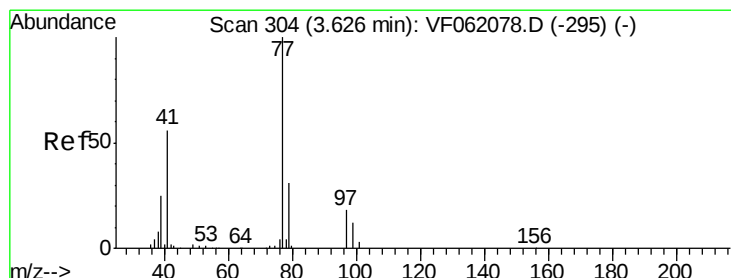
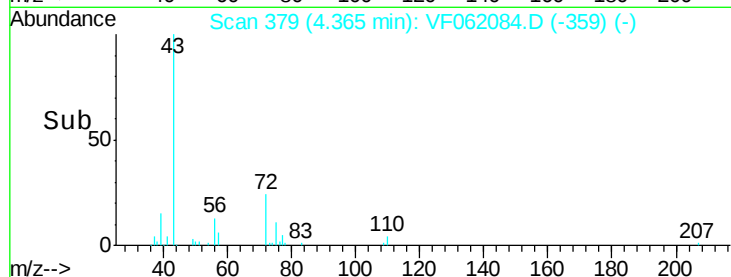
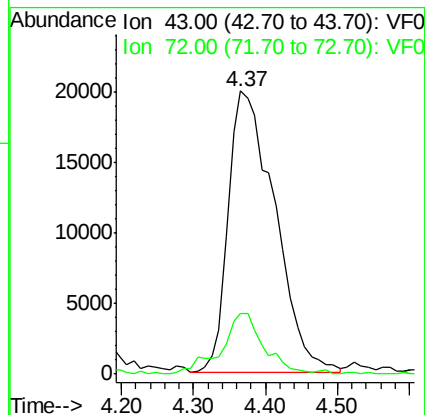
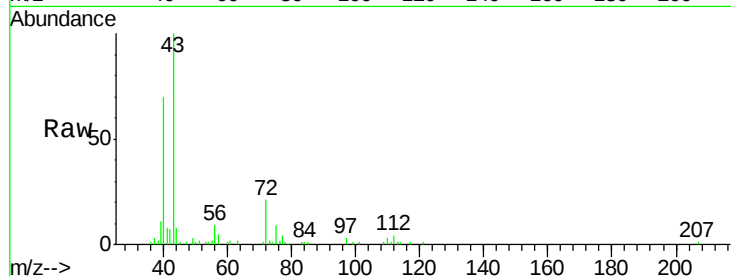
72 21.5 16.7 25.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.699 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.00 min

Lab File: VF062084.D

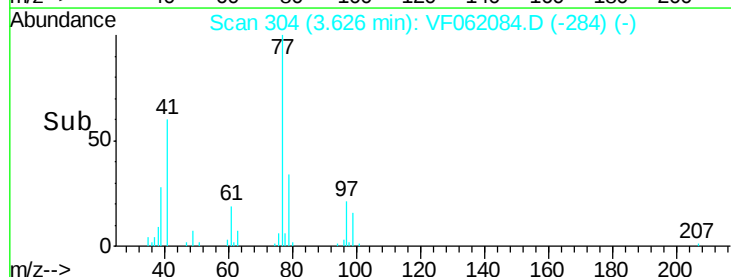
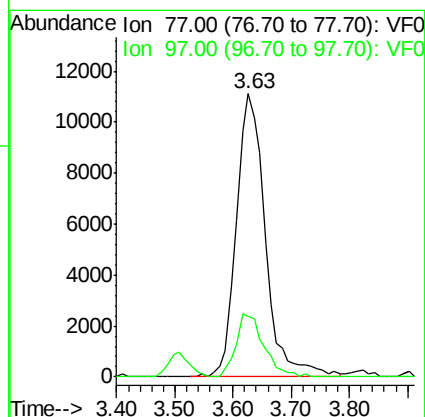
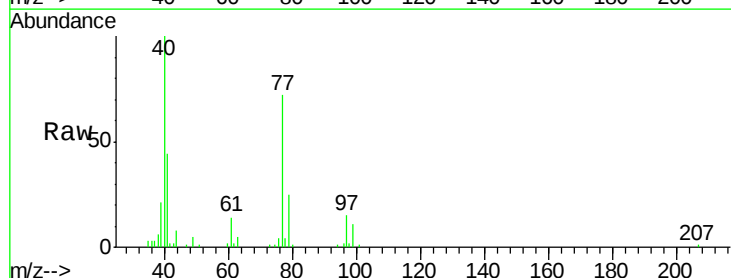
Acq: 22 Mar 2019 15:56

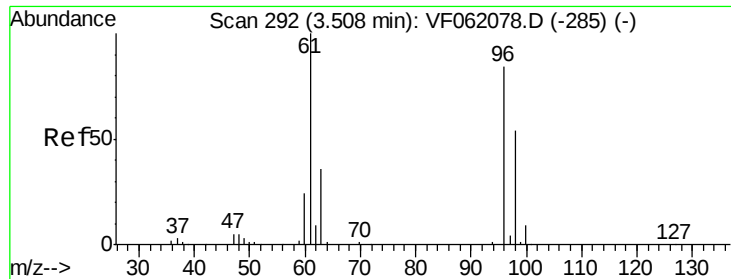
Tgt Ion: 77 Resp: 38610

Ion Ratio Lower Upper

77 100

97 21.2 10.3 30.9





#27

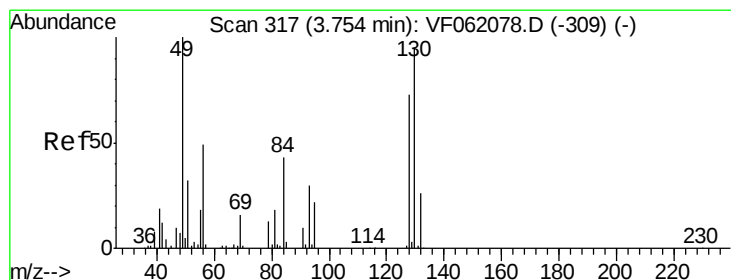
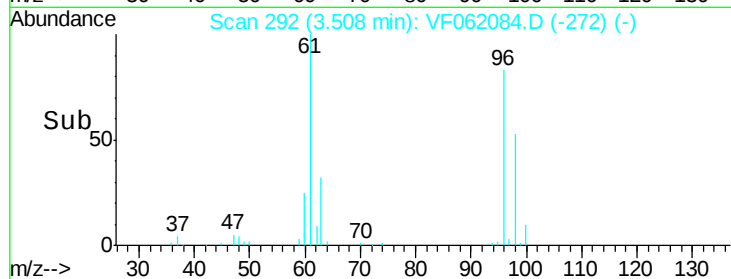
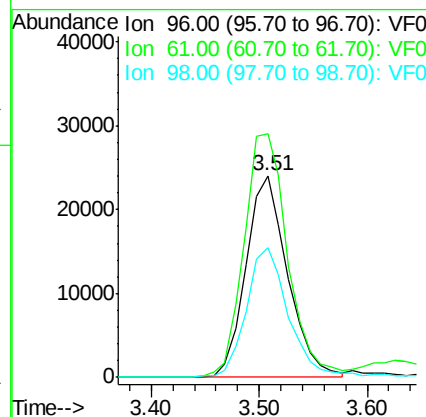
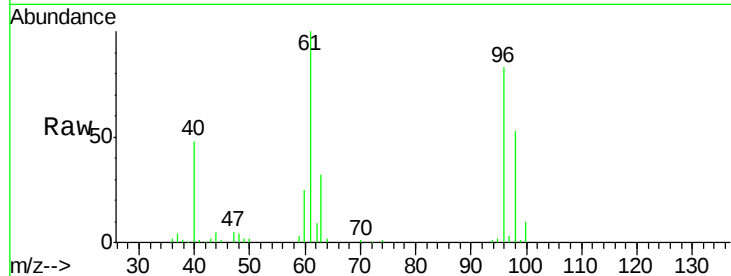
cis-1,2-Dichloroethene
Concen: 19.276 ug/l
RT: 3.51 min Scan# 292
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.6	0.0	239.0
98	64.3	0.0	128.2

Manual Integrations
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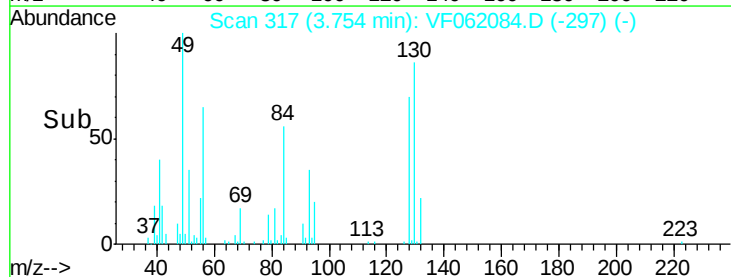
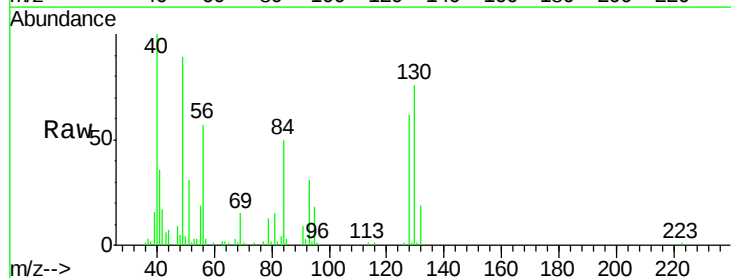
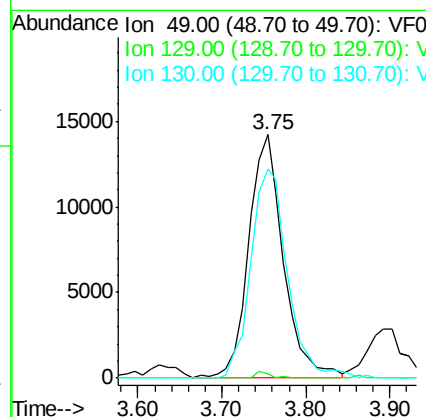
MMDadoda
3/27/2019 11:57:16 AM

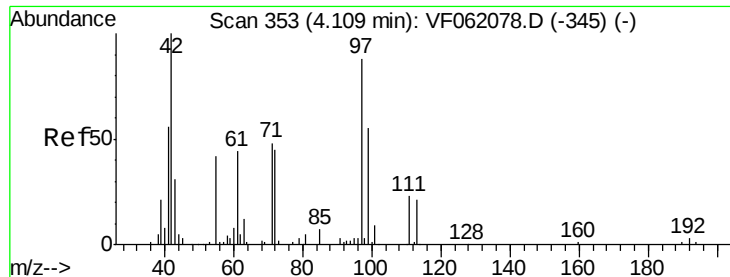


#28

Bromochloromethane
Concen: 22.881 ug/l
RT: 3.75 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.6
130	85.6	75.5	113.3





#29

Tetrahydrofuran

Concen: 108.666 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

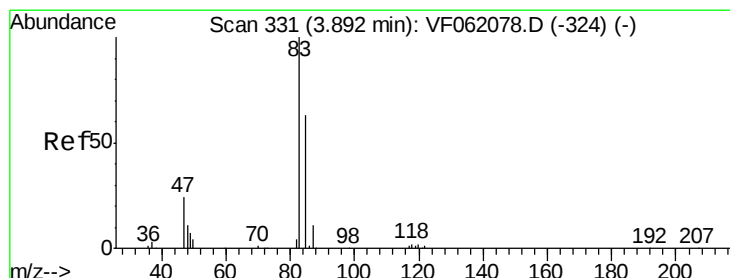
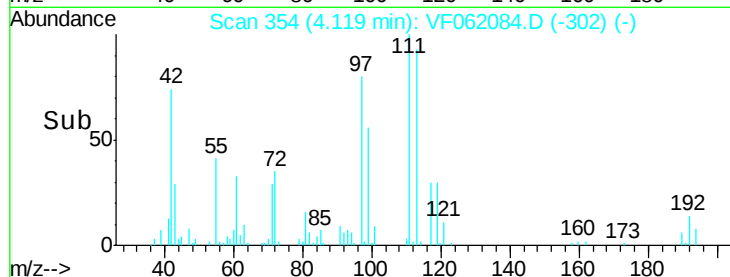
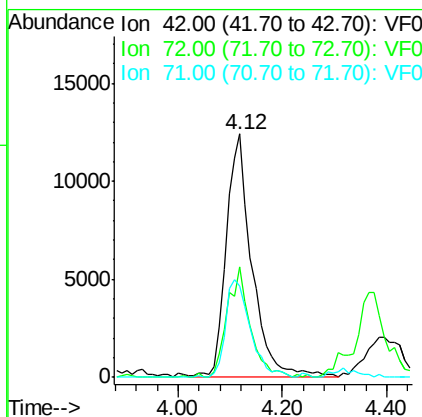
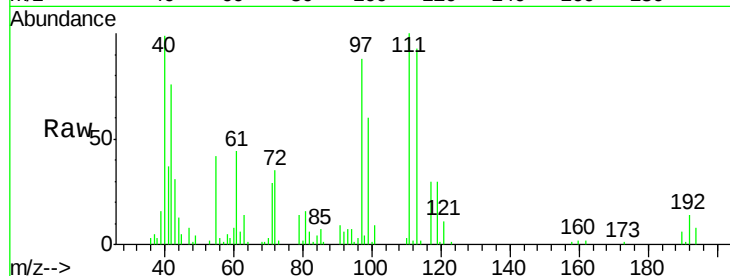
ClientSampleId :

VF0322SBSD01

Tot Ion:	42	Resp:	41878
Ion Ratio	Lower	Upper	
42	100		
72	40.3	33.3	49.9
71	38.7	35.0	52.4

Manual Integrations
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#30

Chloroform

Concen: 21.685 ug/l

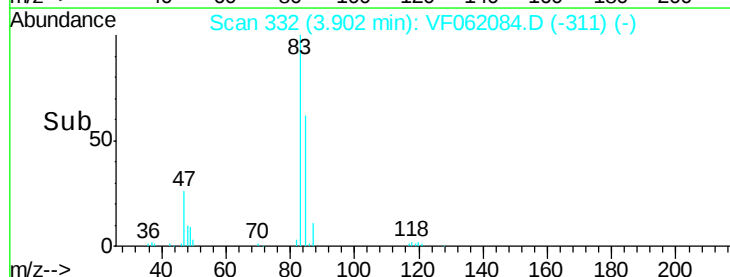
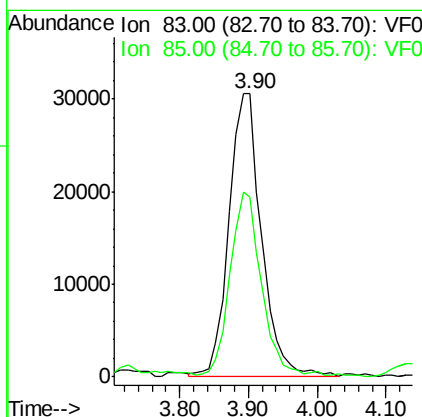
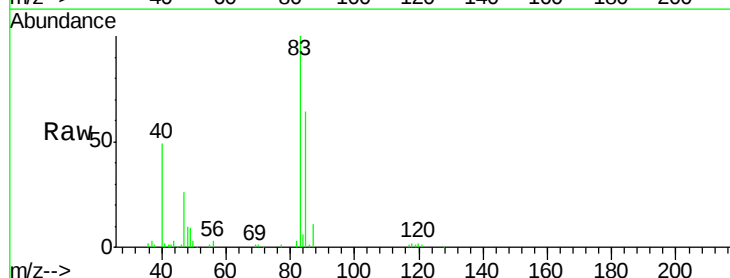
RT: 3.90 min Scan# 332

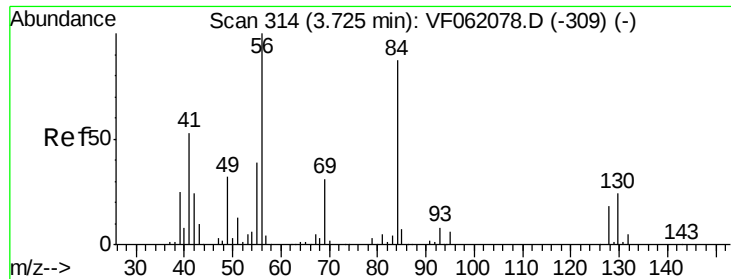
Delta R.T. 0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion:	83	Resp:	100573
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.5	77.3





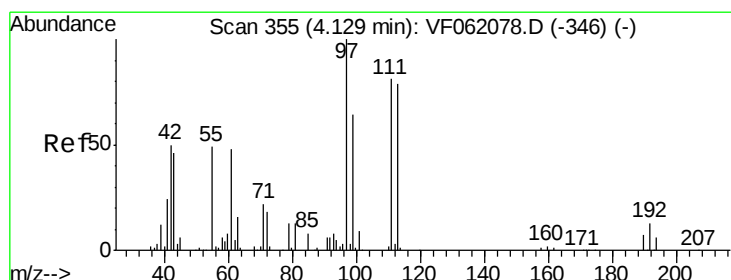
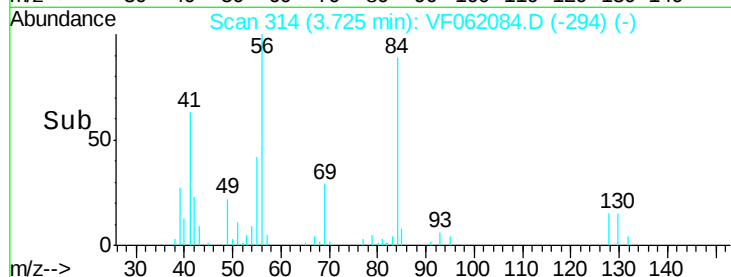
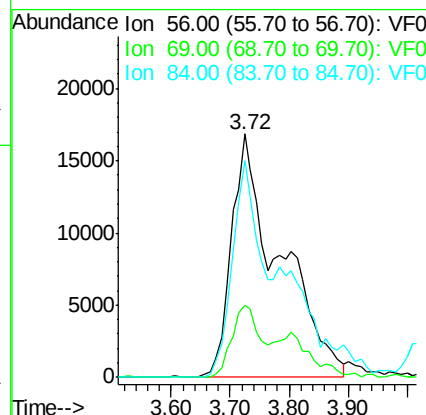
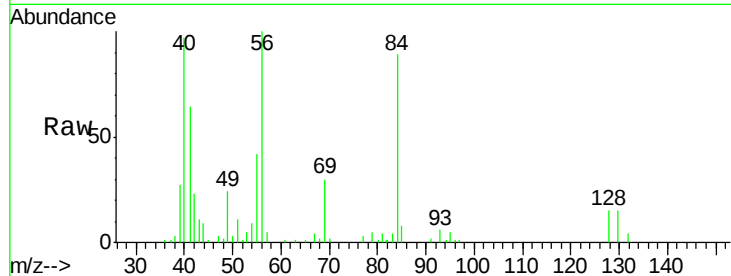
#31
Cyclohexane
Concen: 20.801 ug/l m
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	25.9	38.9
84	88.9	71.1	106.7

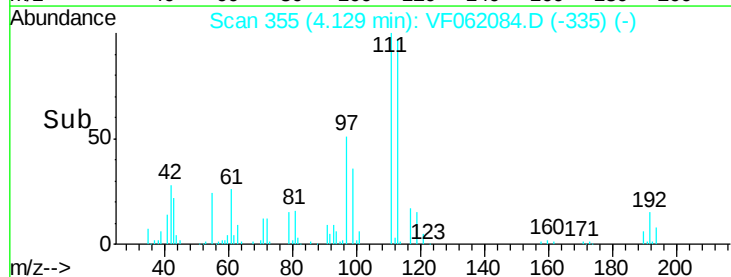
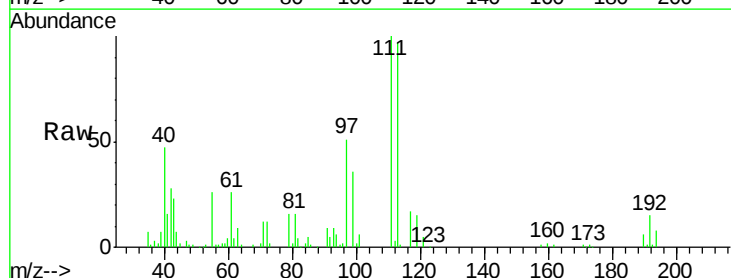
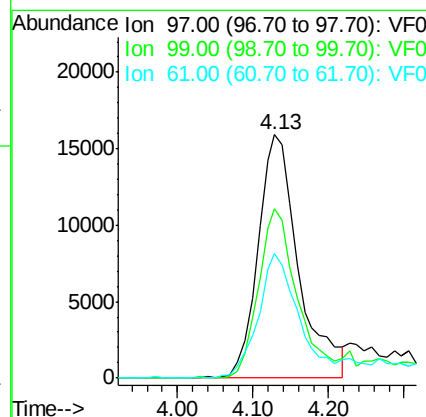
Manual Integrations
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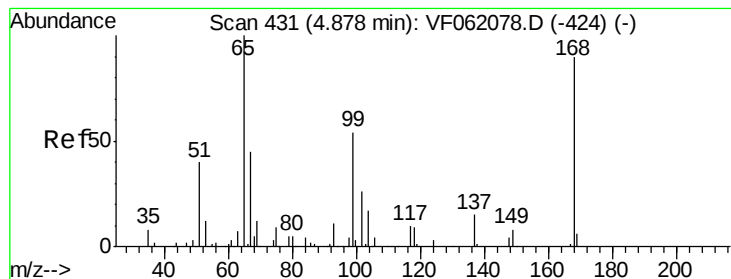
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#32
1,1,1-Trichloroethane
Concen: 21.073 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.8	51.3	76.9
61	51.3	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 52.700 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBSD01

Tot Ion: 65 Resp: 106314

Ion Ratio Lower Upper

65 100

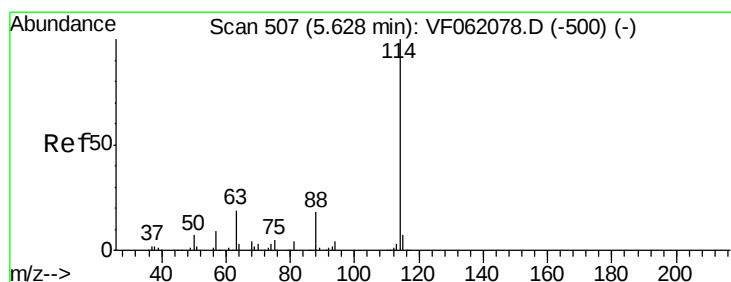
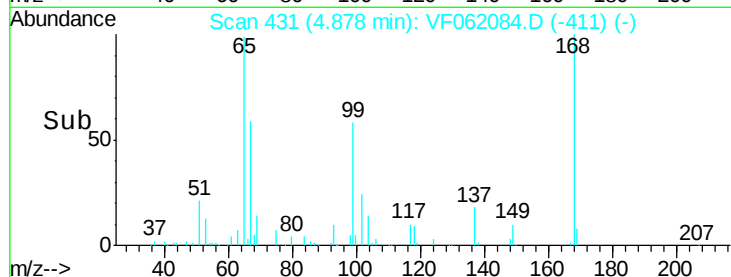
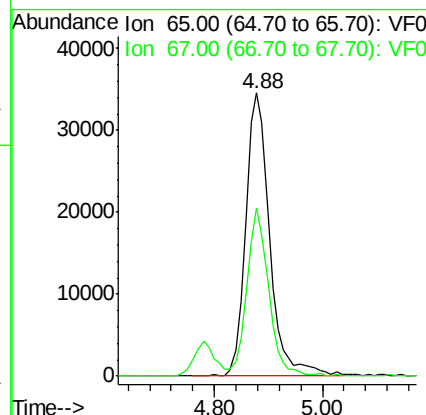
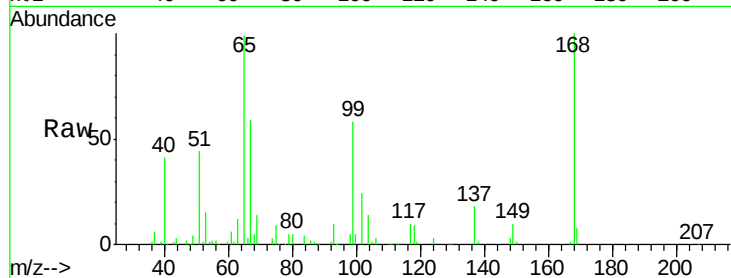
67 59.3 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

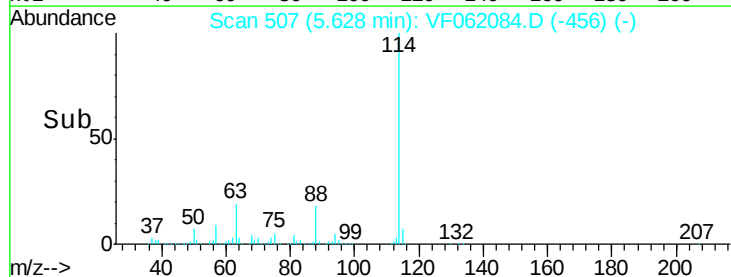
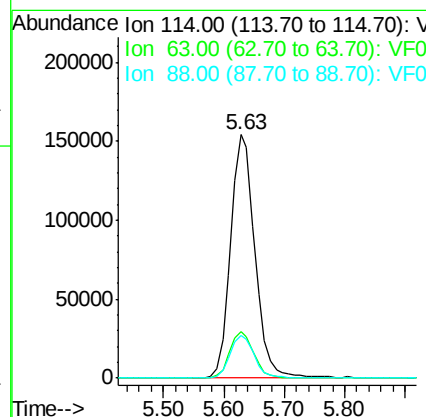
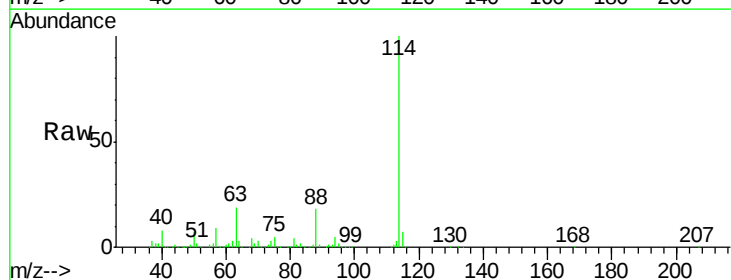
Tgt Ion: 114 Resp: 429332

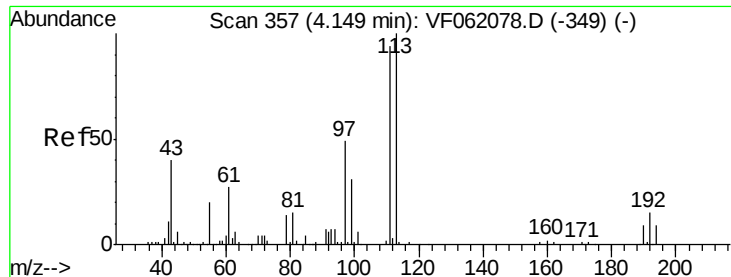
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.8

88 17.5 0.0 36.4





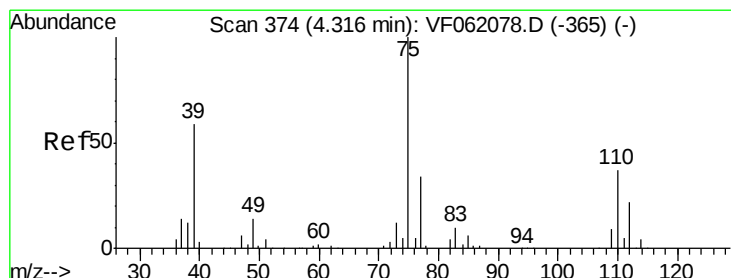
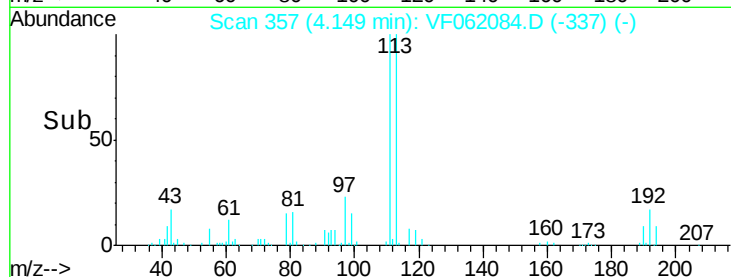
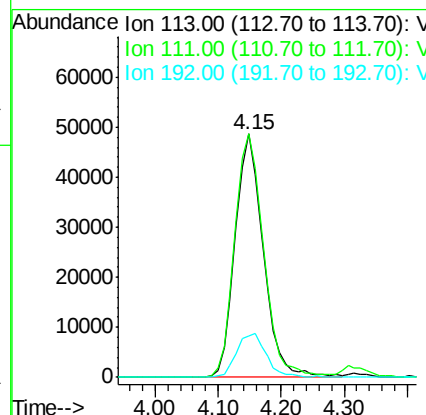
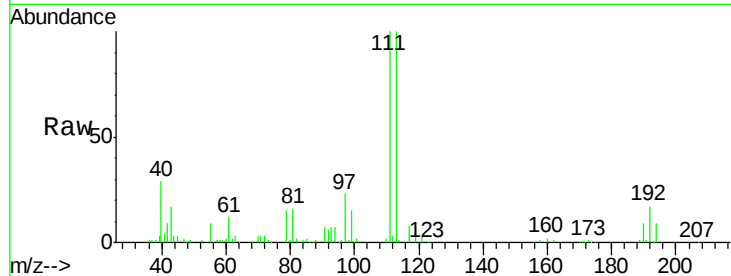
#35
Dibromofluoromethane
Concen: 51.799 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150438		
111	99.8	75.4	113.0	
192	17.0	12.3	18.5	

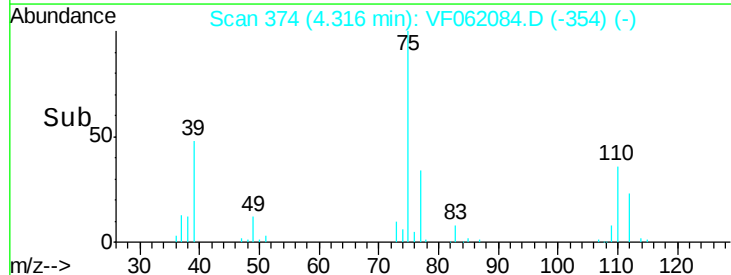
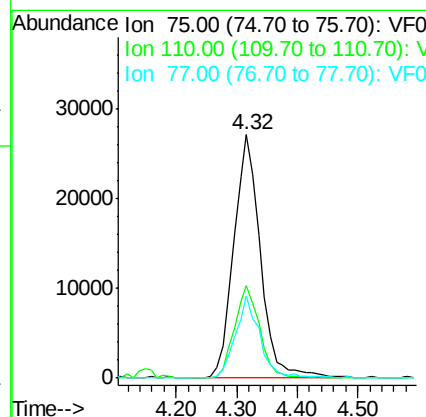
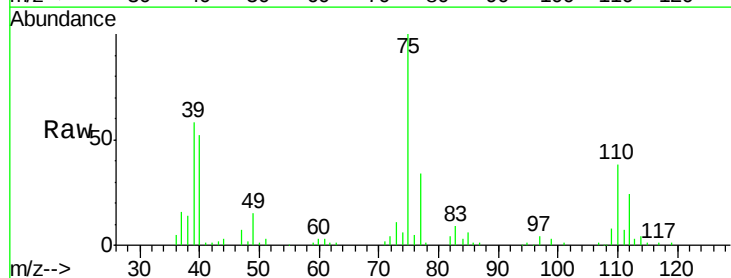
Manual Integrations
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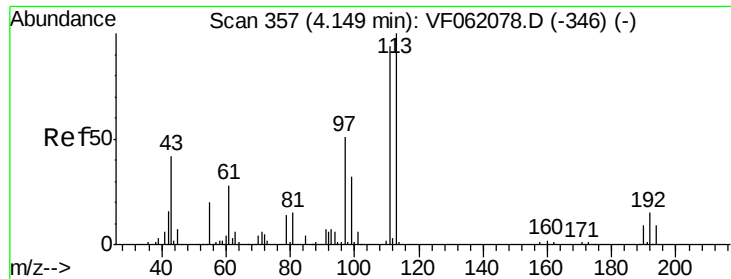
MMDadoda
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#36
1,1-Dichloropropene
Concen: 20.265 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82872		
110	37.9	18.5	55.5	
77	34.0	27.4	41.0	





#37

Ethyl Acetate

Concen: 19.366 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

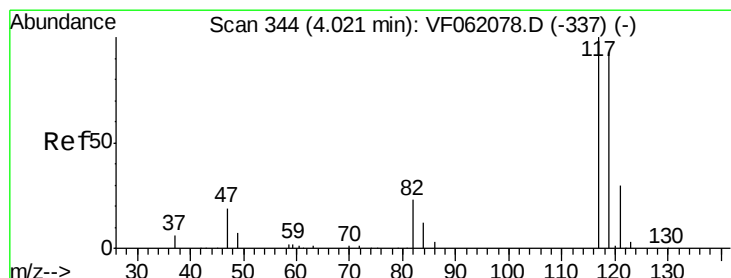
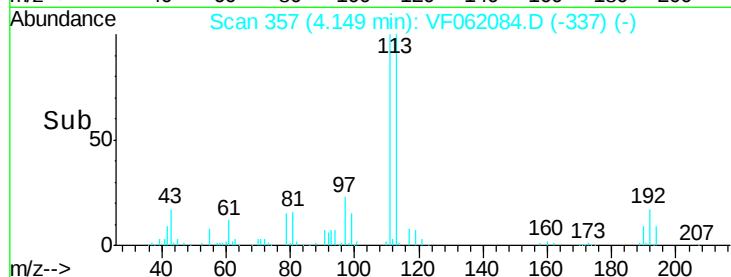
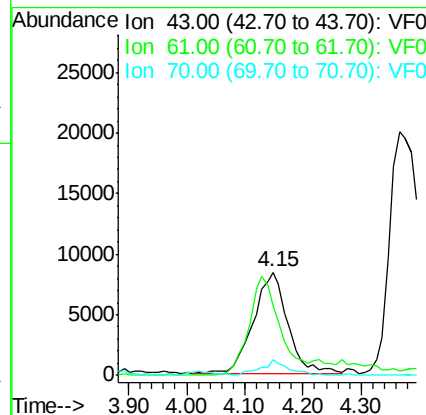
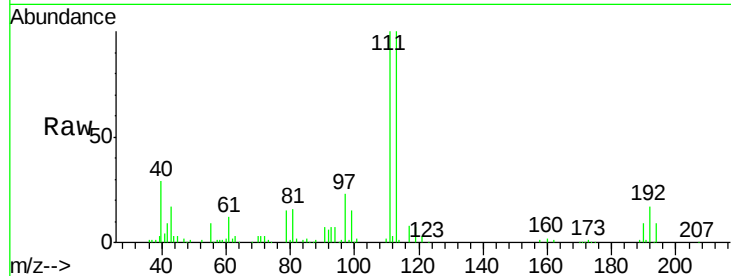
ClientSampleId :

VF0322SBS01

Tot Ion:	43	Resp:	34611
Ion Ratio	Lower	Upper	
43	100		
61	67.5	53.6	80.4
70	15.7	9.0	13.6#

Manual Integrations
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3/27/2019 11:57:16 AM



#38

Carbon Tetrachloride

Concen: 20.566 ug/l

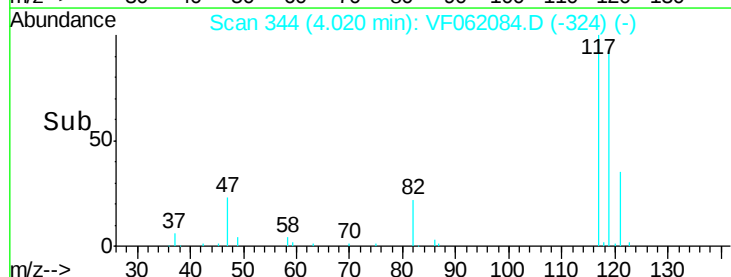
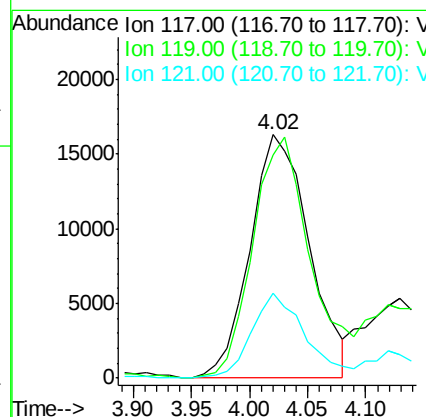
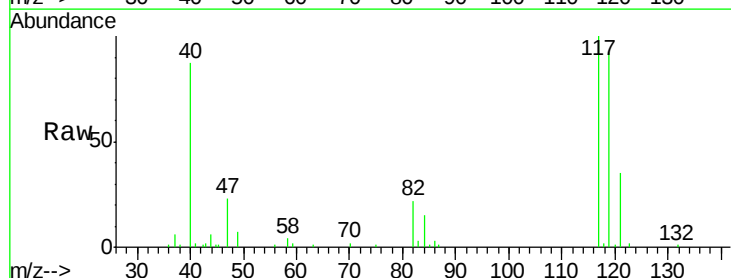
RT: 4.02 min Scan# 344

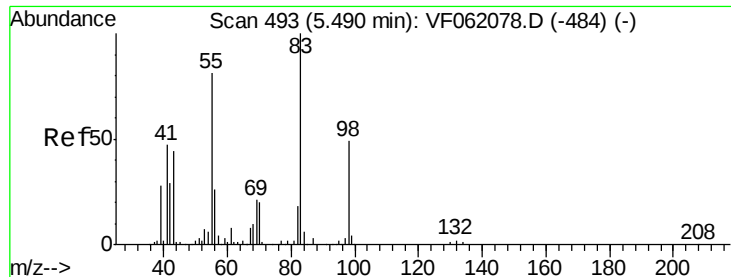
Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion:	117	Resp:	57321
Ion Ratio	Lower	Upper	
117	100		
119	91.7	74.7	112.1
121	35.0	23.6	35.4





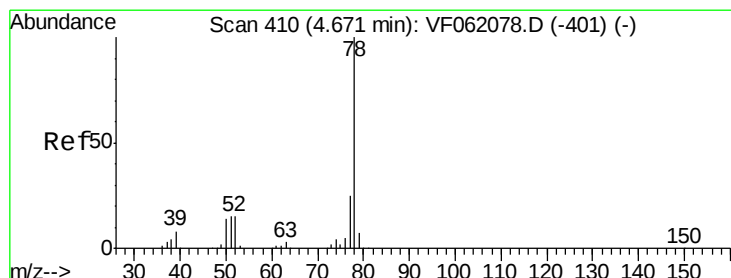
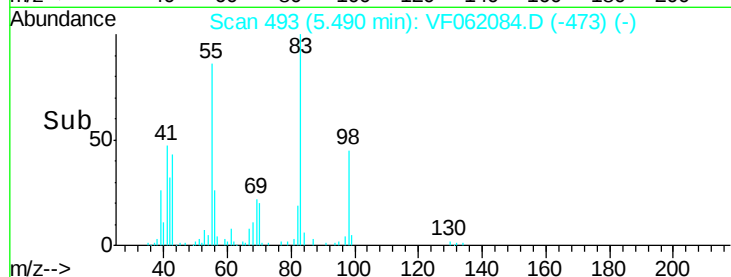
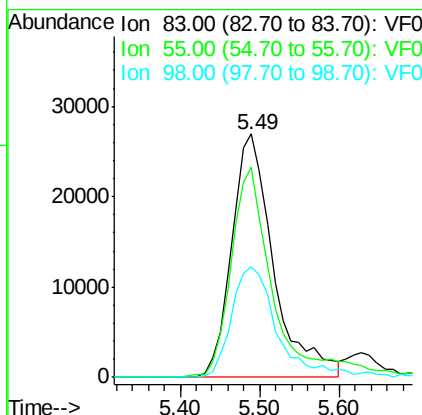
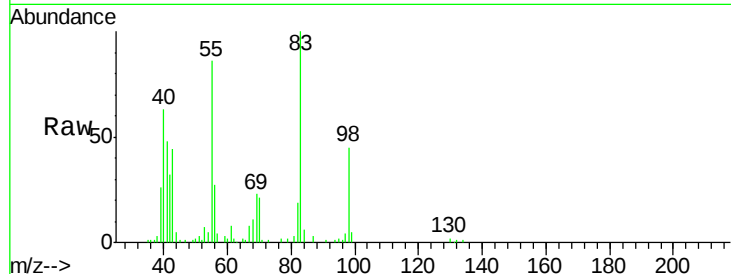
#39
Methvlcvclohexane
Concen: 20.771 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion	83	Resp	Lower	Upper
83	100			
55	86.2	64.5	96.7	
98	45.4	39.1	58.7	

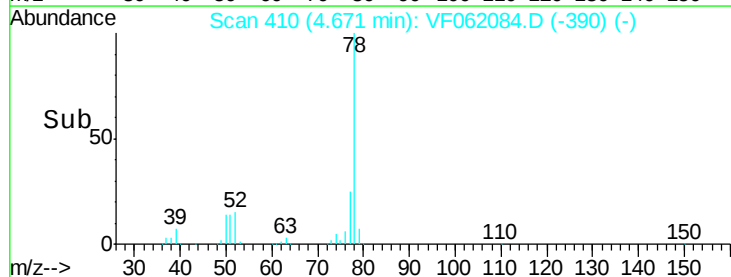
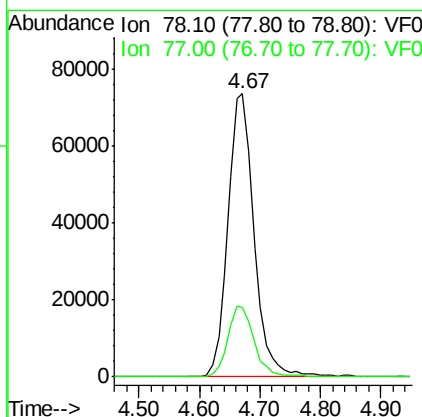
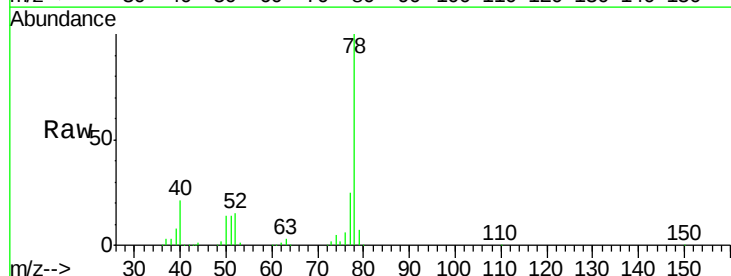
Manual Integrations
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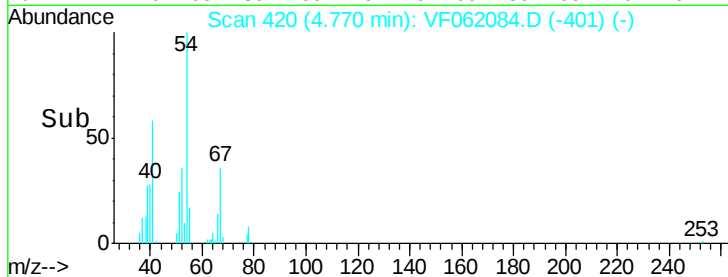
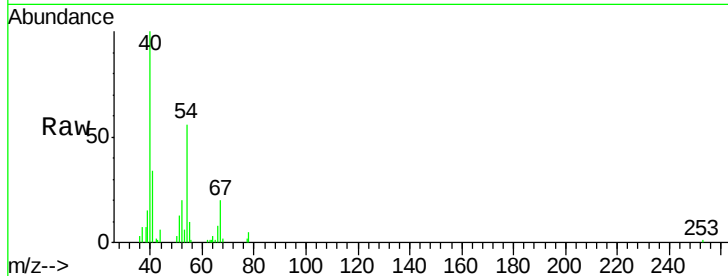
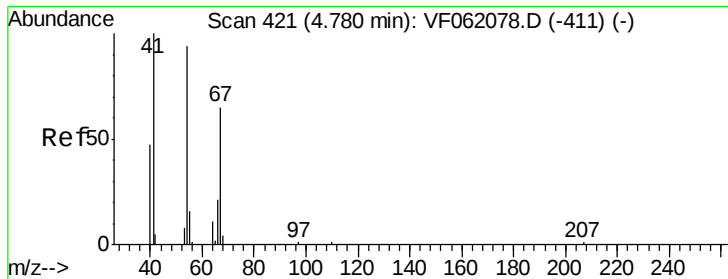
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#40
Benzene
Concen: 20.125 ug/l
RT: 4.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	78	Resp	Lower	Upper
78	100			
77	24.8	19.8	29.6	





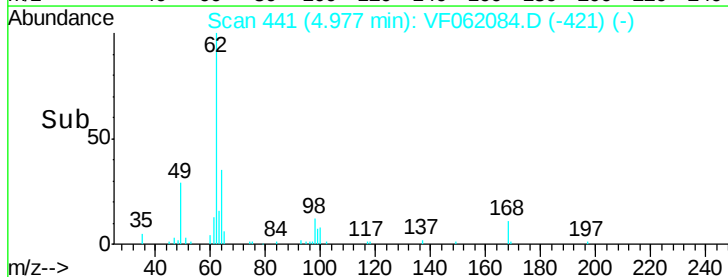
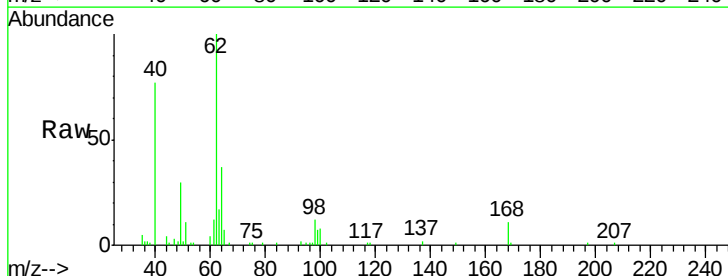
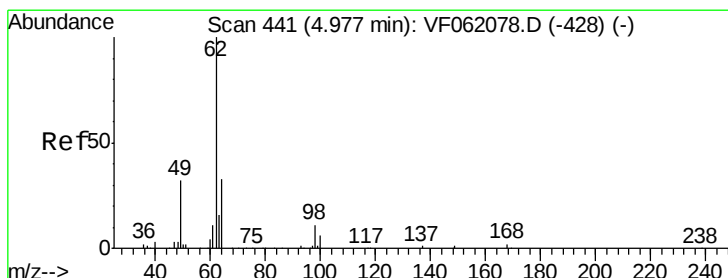
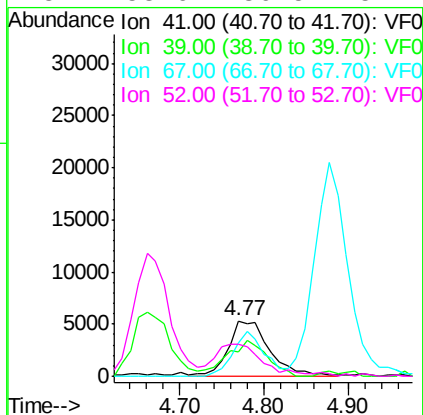
#41
Methacrylonitrile
Concen: 19.368 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		18315		
39	44.6	43.5	65.3		
67	59.4	51.6	77.4		
52	58.6	36.5	54.7#		

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBSD01

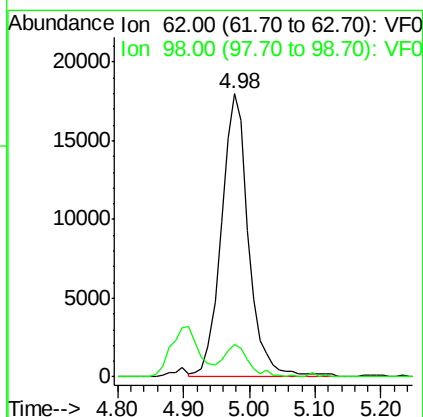
Manual Integrations
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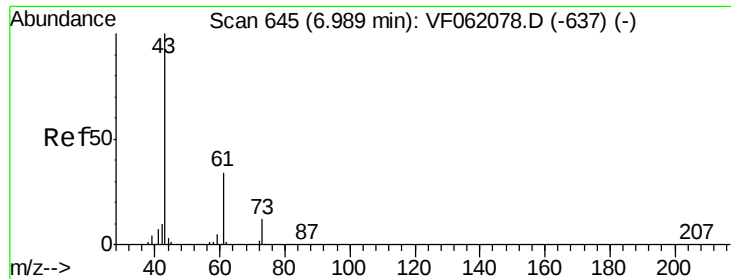
MMDadoda
3/27/2019 11:57:16 AM



#42
1,2-Dichloroethane
Concen: 20.067 ug/l
RT: 4.98 min Scan# 441
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		52023		
98	11.6	0.0	23.2		





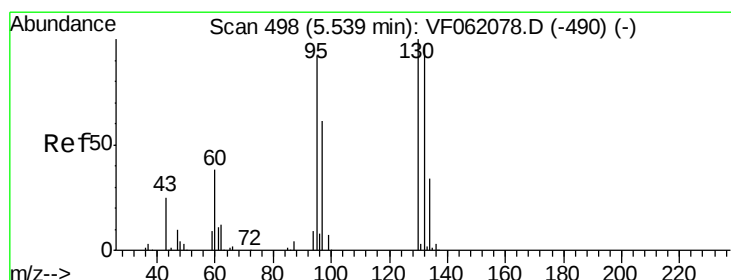
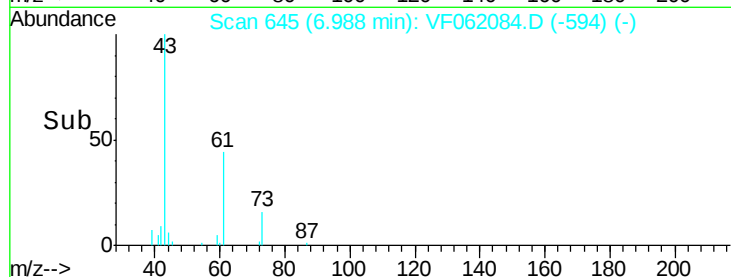
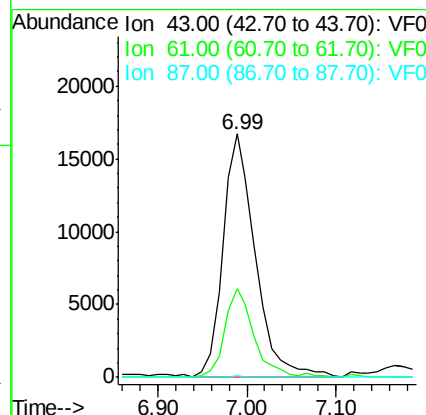
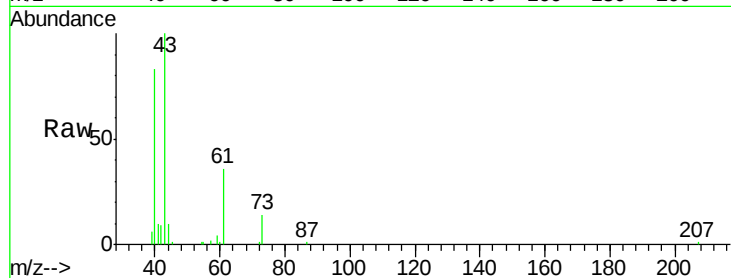
#43
Isopropyl Acetate
Concen: 19.648 ug/l
RT: 6.99 min Scan# 645
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.2	27.0	40.4
87	0.8	0.4	0.6

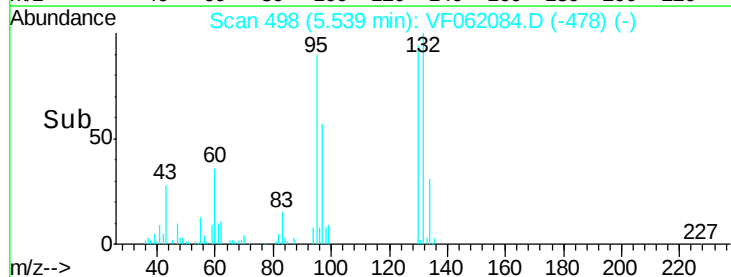
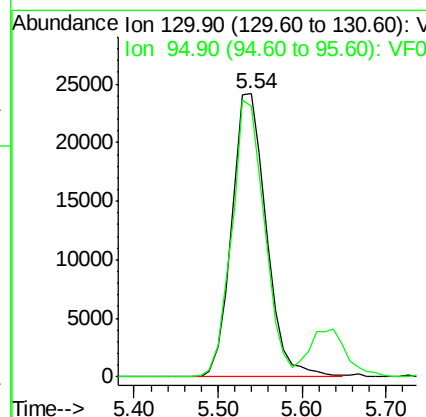
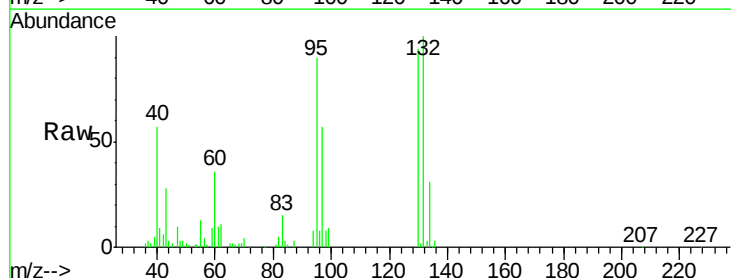
Manual Integrations
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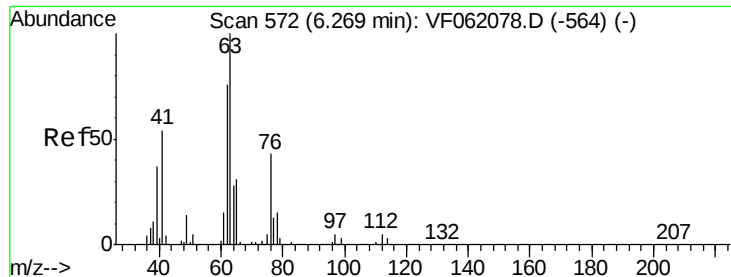
MMDadoda
3/27/2019 11:57:16 AM



#44
Trichloroethene
Concen: 20.576 ug/l
RT: 5.54 min Scan# 498
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	183.4





#45

1,2-Dichloropropane

Concen: 19.994 ug/l

RT: 6.27 min Scan# 572

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion: 63 Resp: 52279

Ion Ratio Lower Upper

63 100

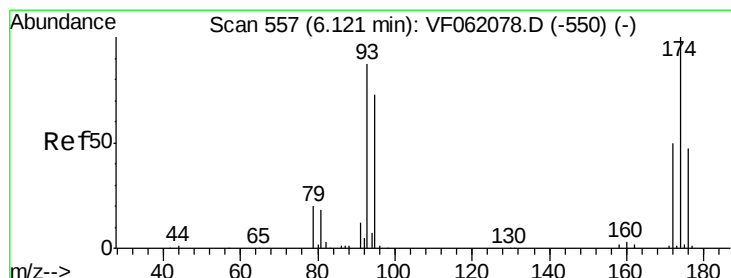
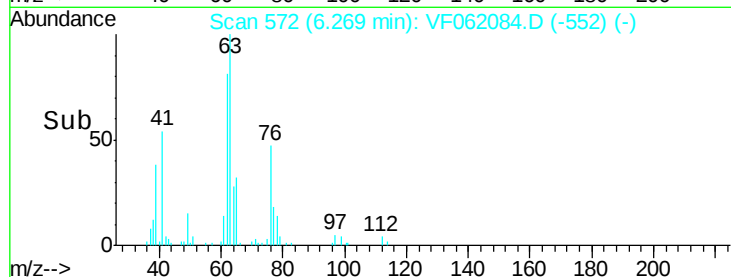
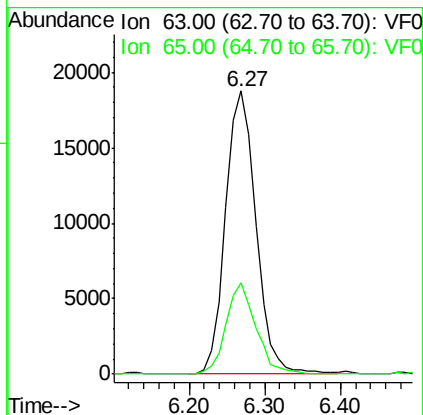
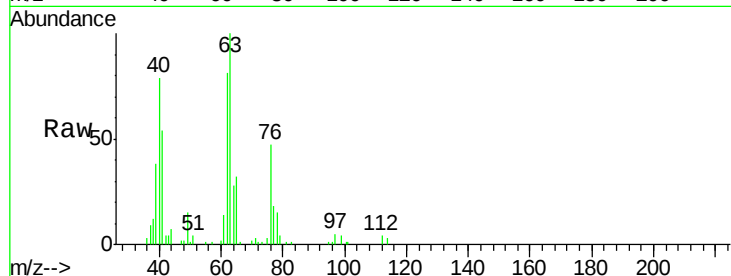
65 32.1 24.9 37.3

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#46

Dibromomethane

Concen: 18.378 ug/l

RT: 6.12 min Scan# 557

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

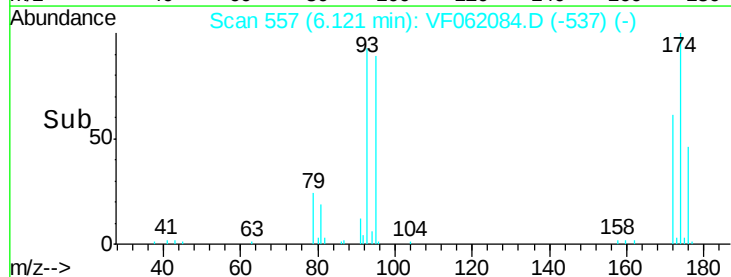
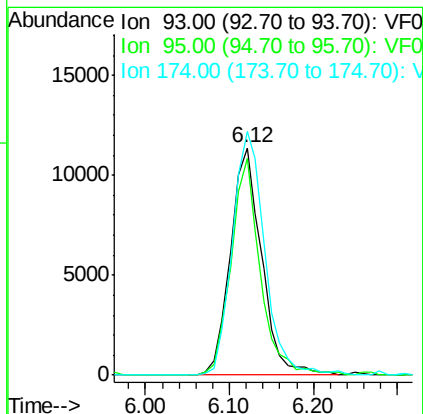
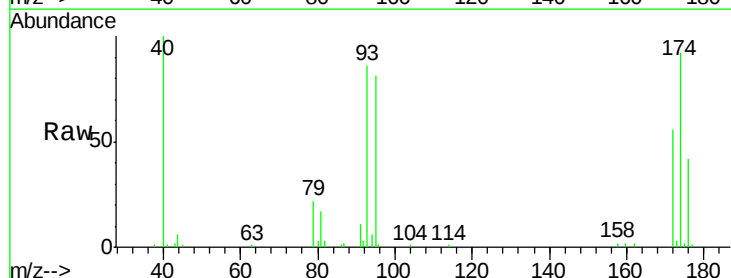
Tgt Ion: 93 Resp: 29382

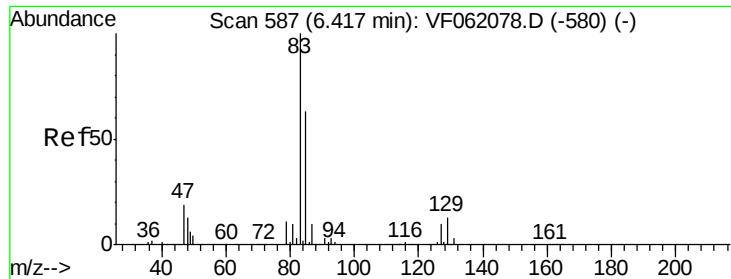
Ion Ratio Lower Upper

93 100

95 95.0 67.4 101.2

174 107.0 92.0 138.0





#47

Bromodichloromethane

Concen: 19.463 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

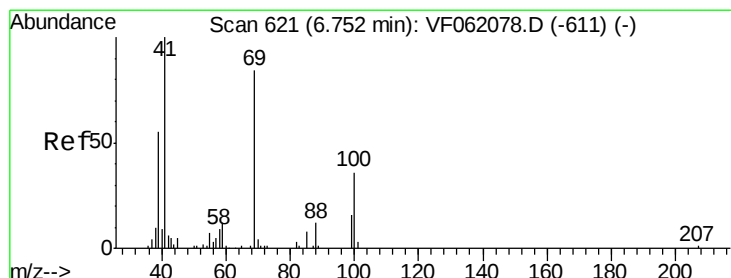
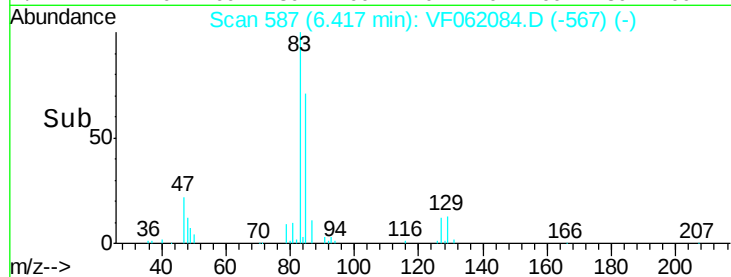
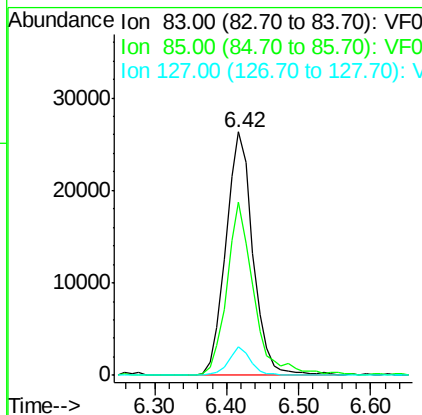
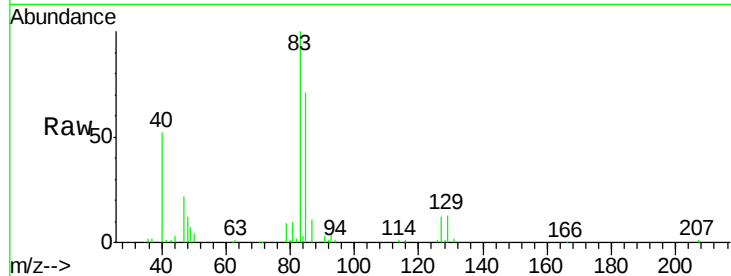
ClientSampleId :

VF0322SBS01

Tot Ion:	83	Resp:	68922
Ion	Ratio	Lower	Upper
83	100		
85	71.1	50.7	76.1
127	11.7	7.8	11.6#

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.459 ug/l

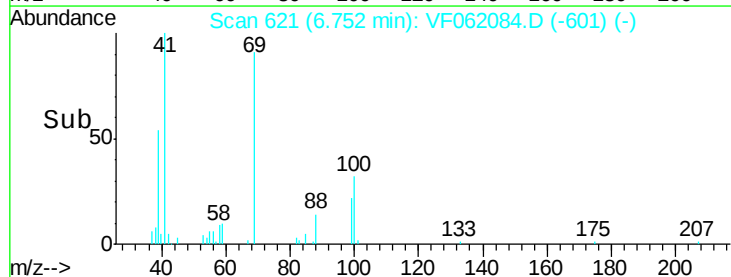
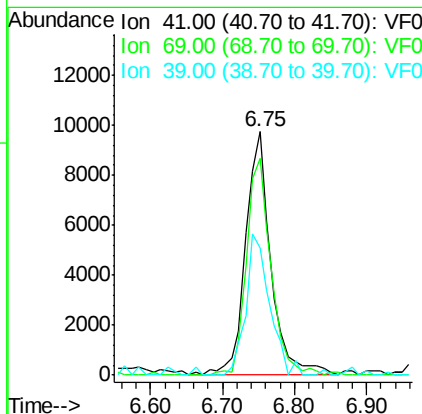
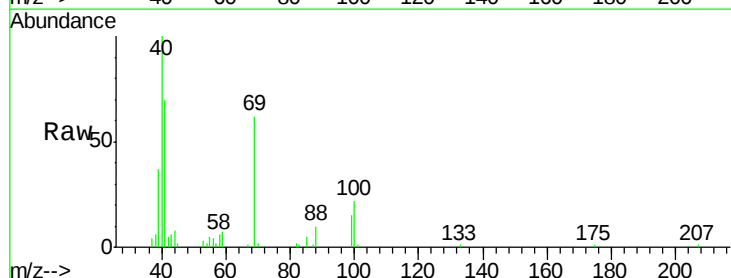
RT: 6.75 min Scan# 621

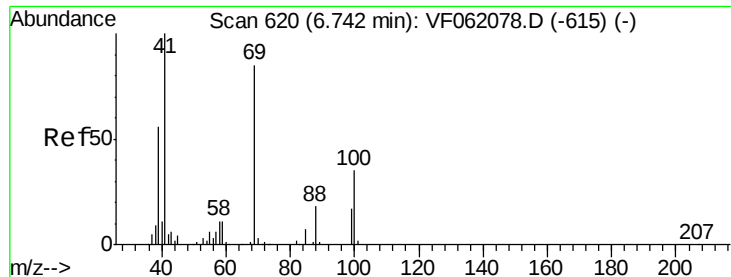
Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion:	41	Resp:	23980
Ion	Ratio	Lower	Upper
41	100		
69	89.1	66.6	100.0
39	52.2	43.6	65.4





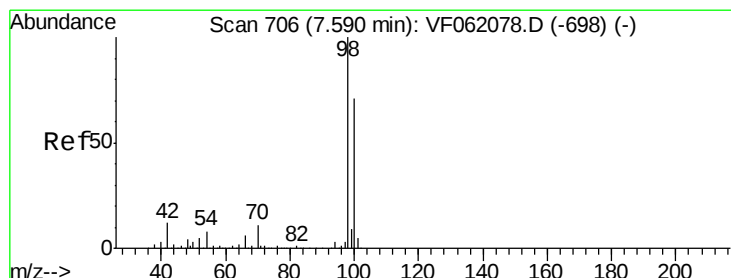
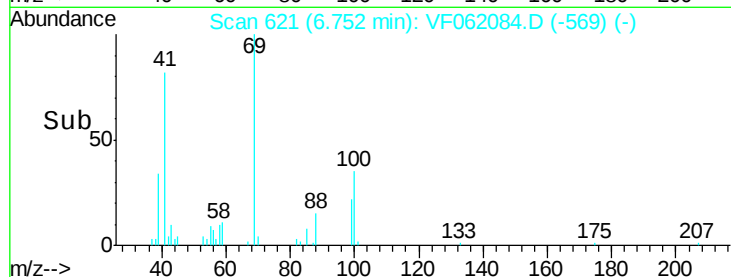
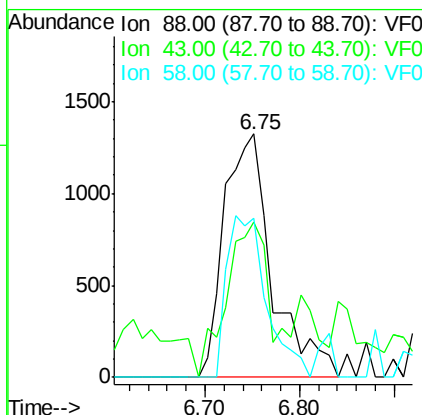
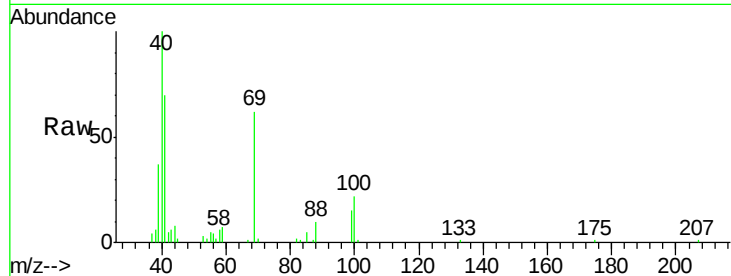
#49
1,4-Dioxane
Concen: 430.489 ug/l
RT: 6.75 min Scan# 621
Delta R.T. 0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	4655		
43	63.9		35.0	52.4#
58	65.4		49.9	74.9

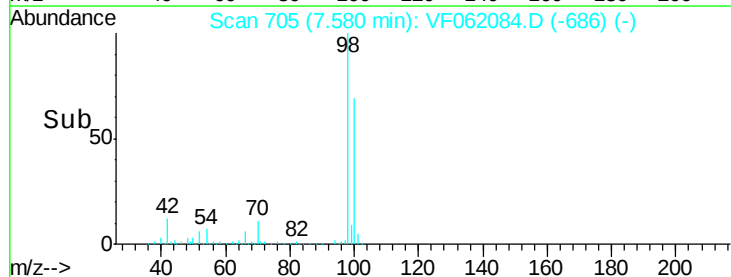
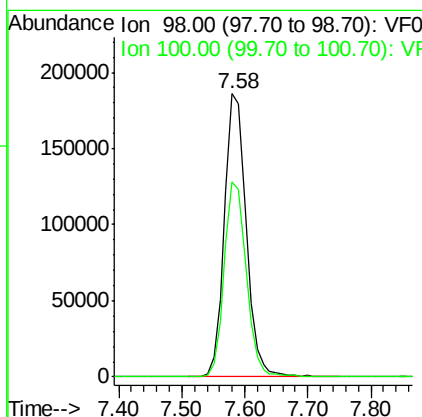
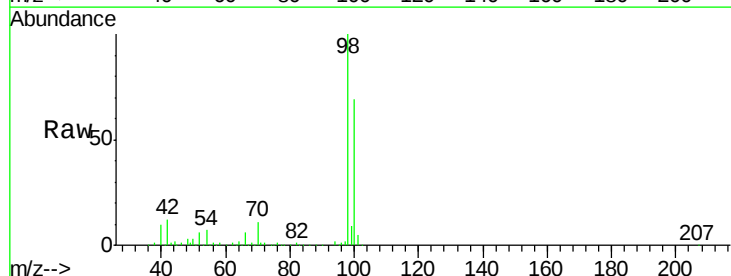
Manual Integrations
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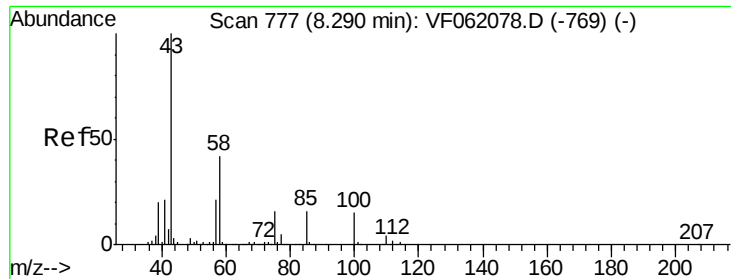
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#50
Toluene-d8
Concen: 51.765 ug/l
RT: 7.58 min Scan# 705
Delta R.T. -0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	448767		
100	69.1		57.0	85.6





#51

4-Methyl-2-Pentanone

Concen: 103.403 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion: 43 Resp: 149793

Ion Ratio Lower Upper

43 100

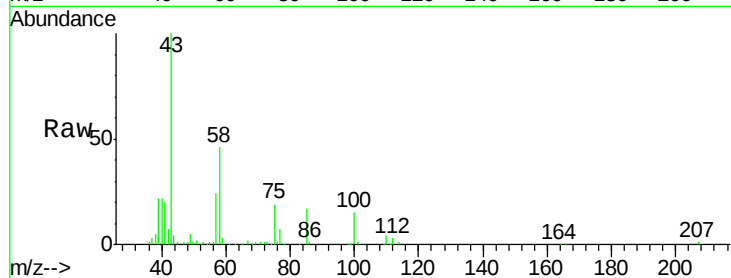
58 45.7 33.8 50.8

Manual Integrations

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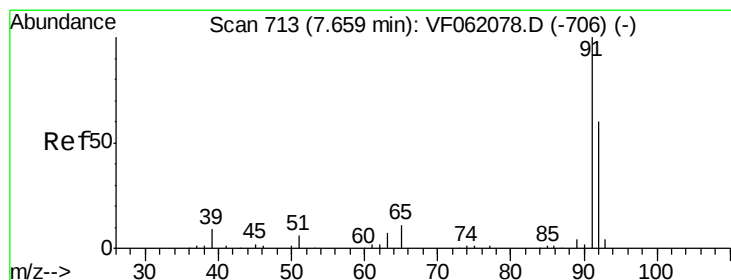
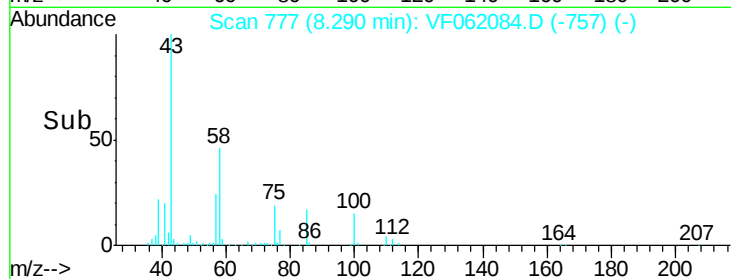
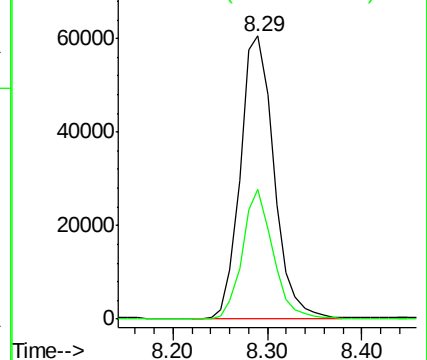
MMDadoda

3/27/2019 11:57:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.233 ug/l

RT: 7.66 min Scan# 713

Delta R.T. -0.00 min

Lab File: VF062084.D

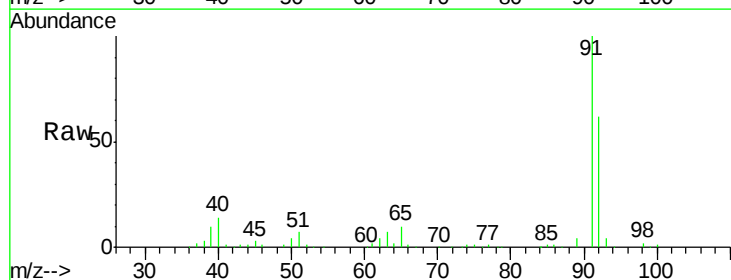
Acq: 22 Mar 2019 15:56

Tgt Ion: 92 Resp: 128474

Ion Ratio Lower Upper

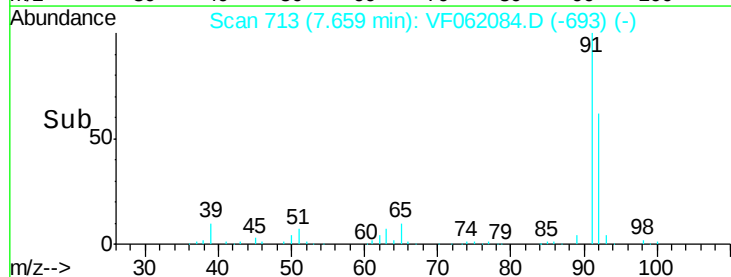
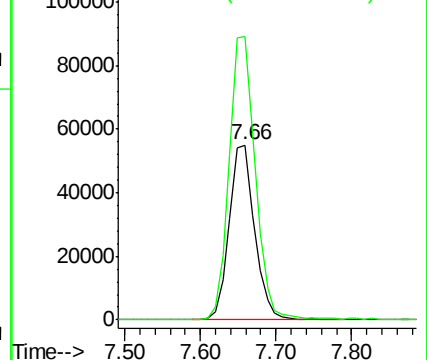
92 100

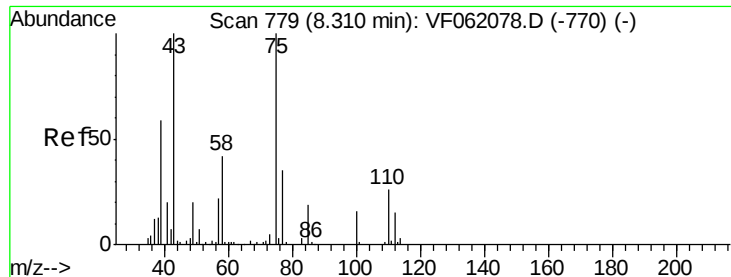
91 161.8 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





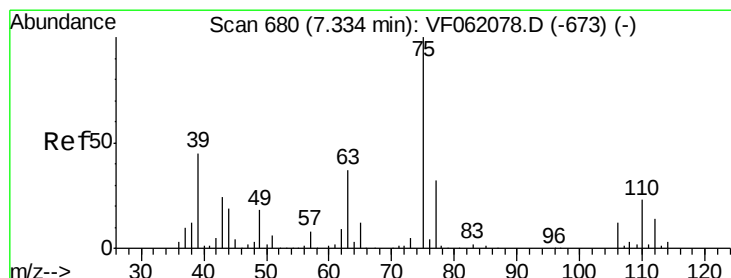
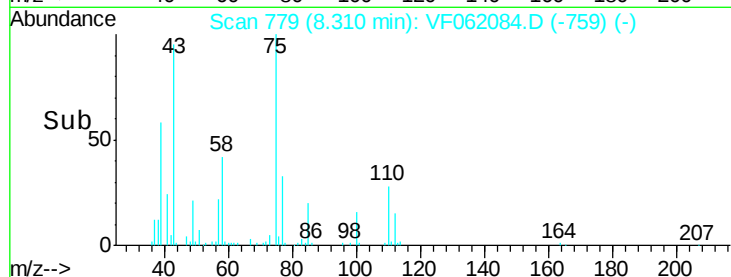
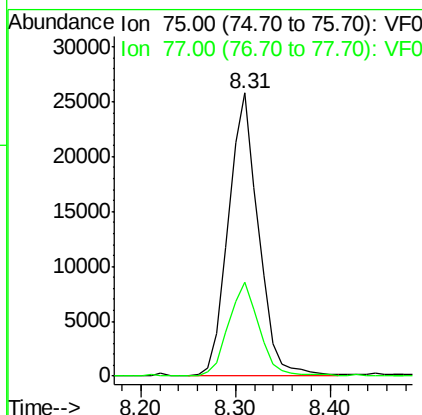
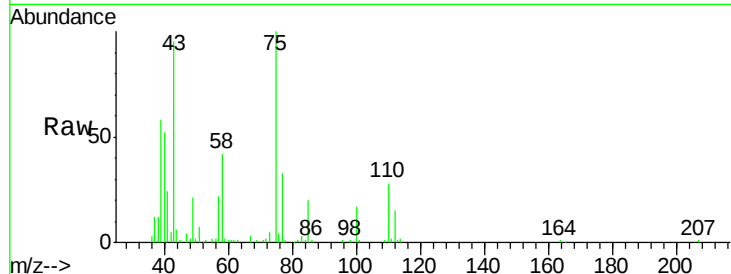
#53
t-1,3-Dichloropropene
Concen: 20.511 ug/l
RT: 8.31 min Scan# 779
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion: 75 Resp: 57020
Ion Ratio Lower Upper
75 100
77 33.1 28.0 42.0

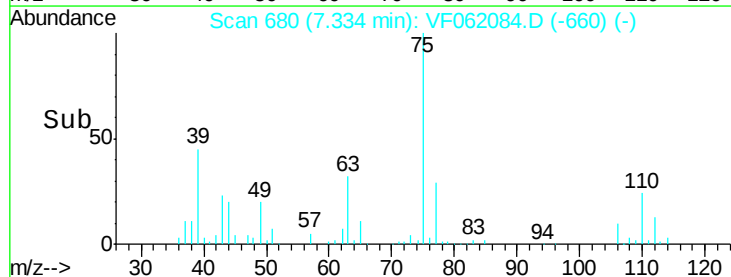
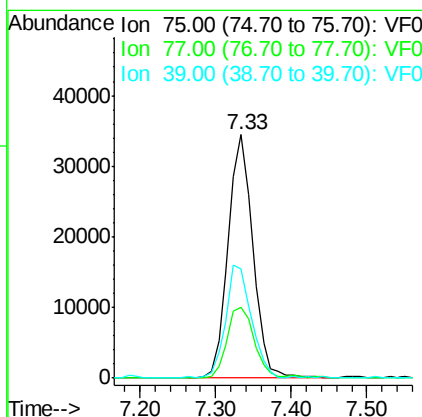
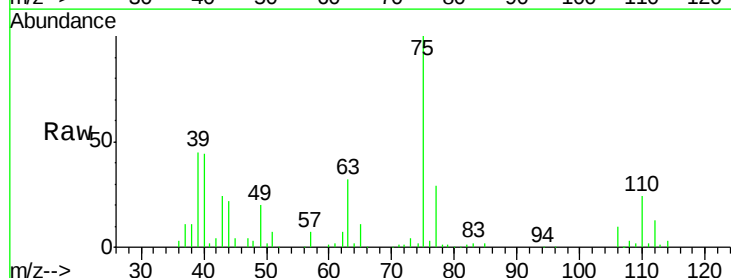
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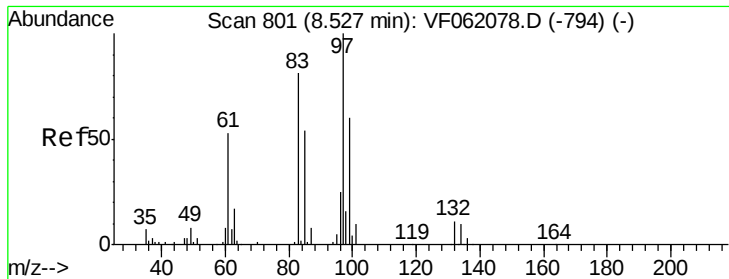
MMDadoda
3/27/2019 11:57:16 AM



#54
cis-1,3-Dichloropropene
Concen: 19.651 ug/l
RT: 7.33 min Scan# 680
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion: 75 Resp: 78163
Ion Ratio Lower Upper
75 100
77 29.1 25.8 38.6
39 45.1 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 18.140 ug/l

RT: 8.52 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

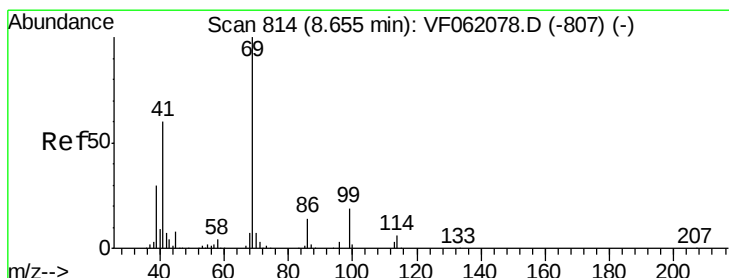
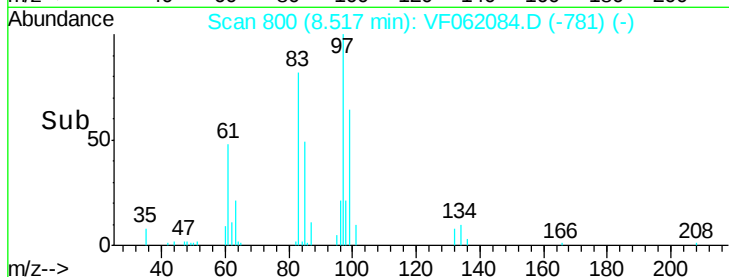
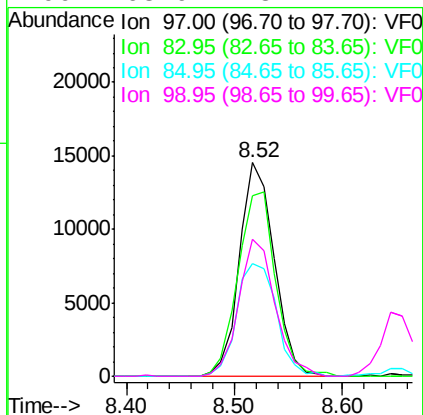
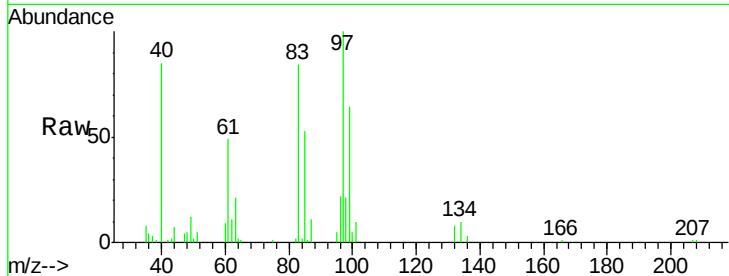
ClientSampleId :

VF0322SBS01

Tot Ion:	97	Resp:	32717
Ion	Ratio	Lower	Upper
97	100		
83	84.3	64.6	97.0
85	53.0	43.6	65.4
99	63.9	48.2	72.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.775 ug/l

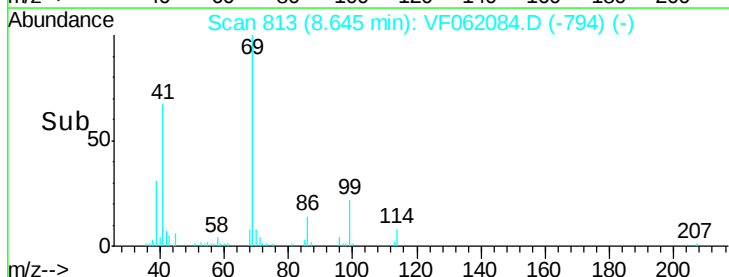
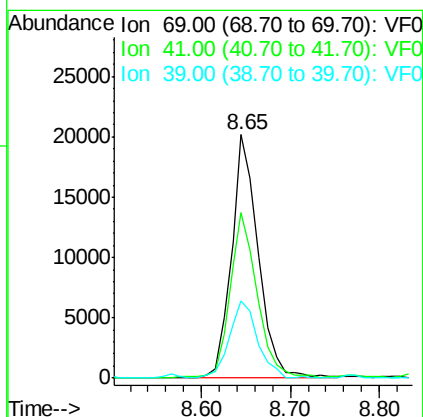
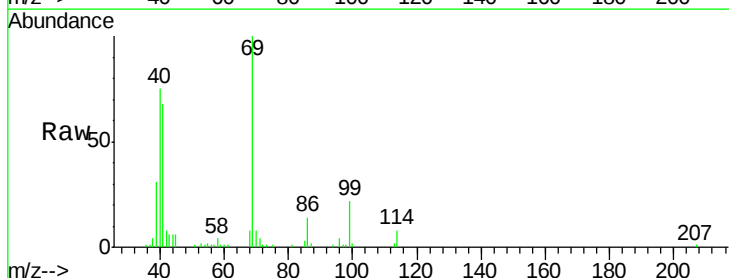
RT: 8.65 min Scan# 813

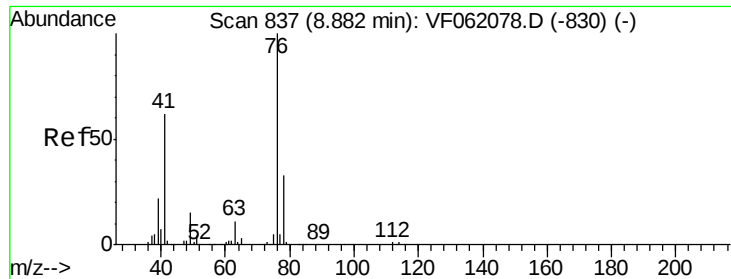
Delta R.T. -0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion:	69	Resp:	42536
Ion	Ratio	Lower	Upper
69	100		
41	67.8	48.2	72.2
39	31.5	24.0	36.0





#57

1,3-Dichloropropane

Concen: 19.215 ug/l

RT: 8.88 min Scan# 837

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion: 76 Resp: 57519

Ion Ratio Lower Upper

76 100

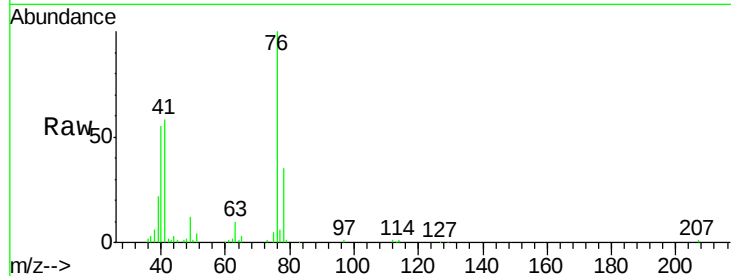
78 35.1 26.6 39.8

Manual Integrations

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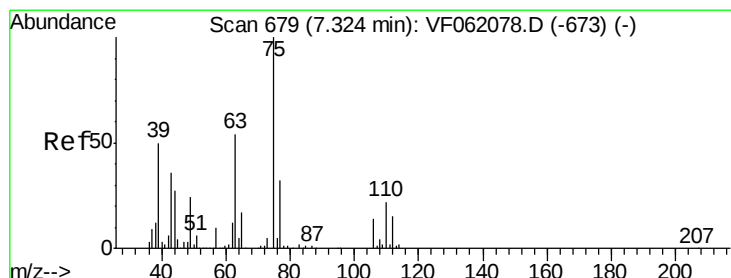
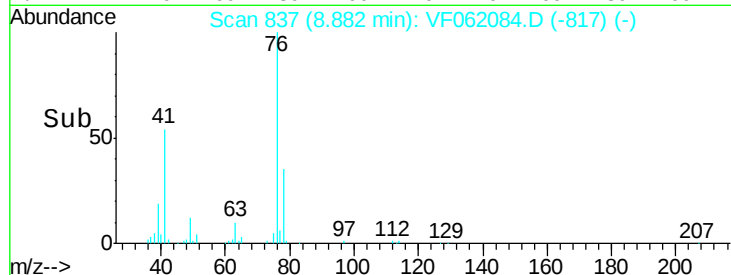
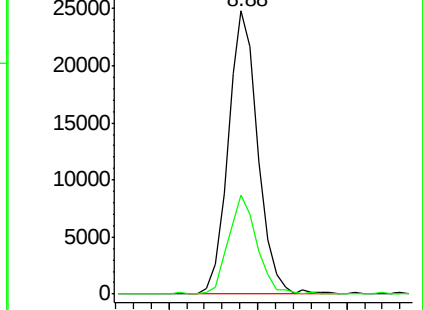
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3/27/2019 11:57:16 AM



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 92.855 ug/l

RT: 7.32 min Scan# 679

Delta R.T. -0.00 min

Lab File: VF062084.D

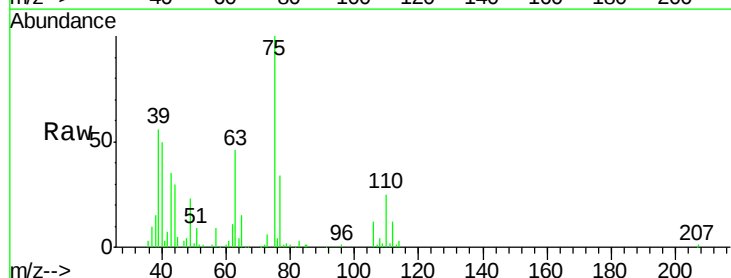
Acq: 22 Mar 2019 15:56

Tgt Ion: 63 Resp: 30308

Ion Ratio Lower Upper

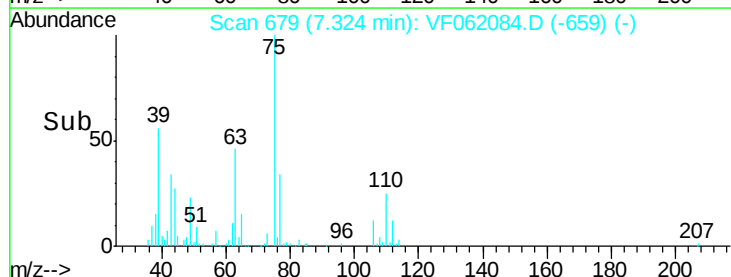
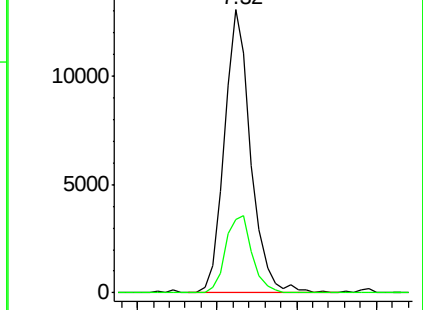
63 100

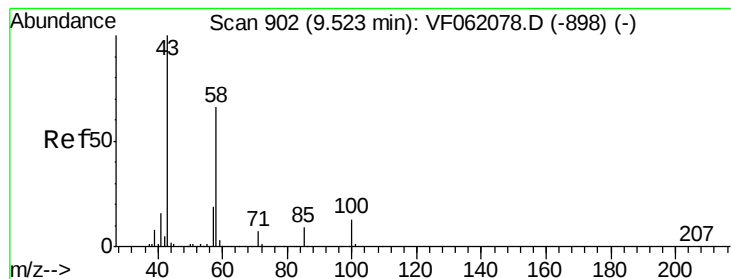
106 25.9 21.5 32.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 101.924 ug/l

RT: 9.52 min Scan# 902

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion: 43 Resp: 108214

Ion Ratio Lower Upper

43 100

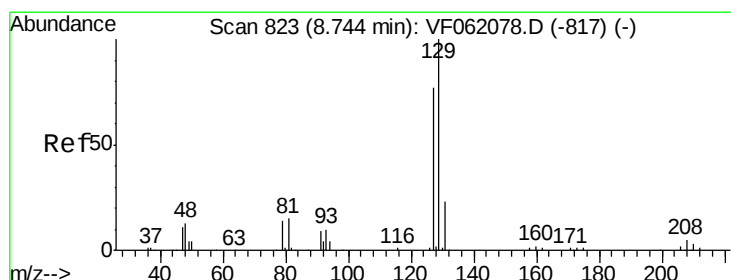
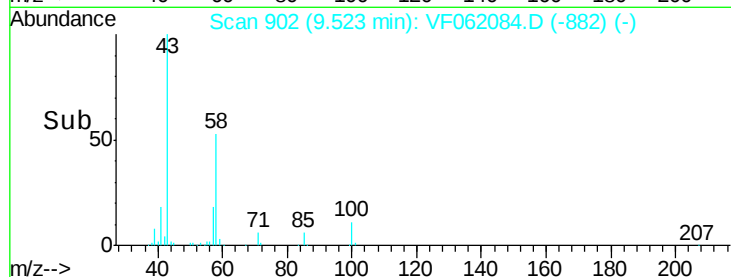
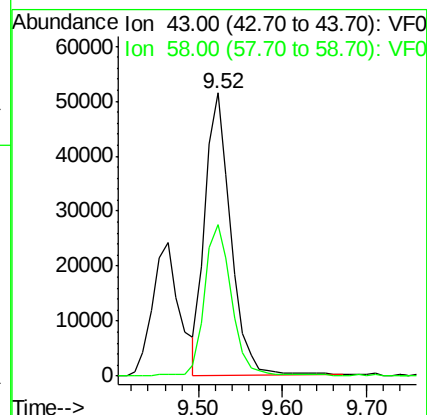
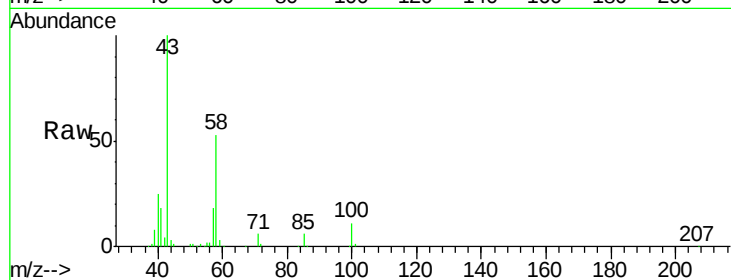
58 53.3 28.8 86.4

Manual Integrations

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#60

Dibromochloromethane

Concen: 19.237 ug/l

RT: 8.74 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062084.D

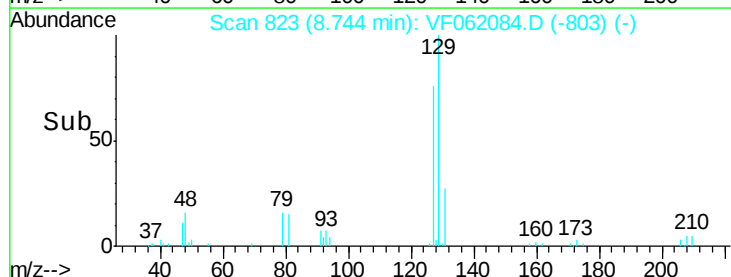
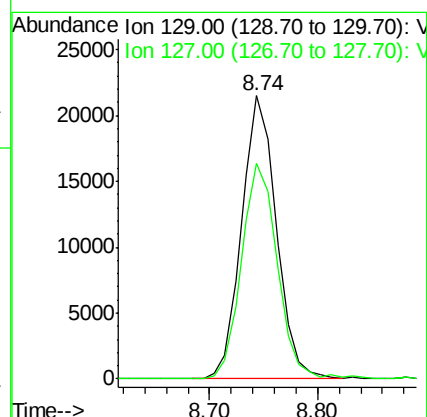
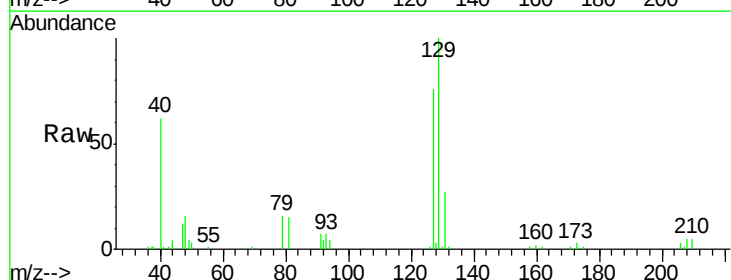
Acq: 22 Mar 2019 15:56

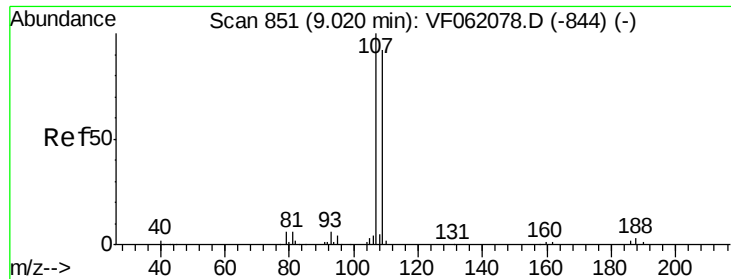
Tgt Ion: 129 Resp: 48234

Ion Ratio Lower Upper

129 100

127 76.1 38.7 116.1





#61

1,2-Dibromoethane

Concen: 19.446 ug/l

RT: 9.02 min Scan# 851

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion:107 Resp: 37419

Ion Ratio Lower Upper

107 100

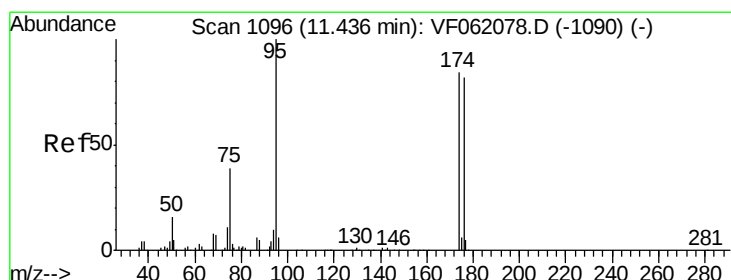
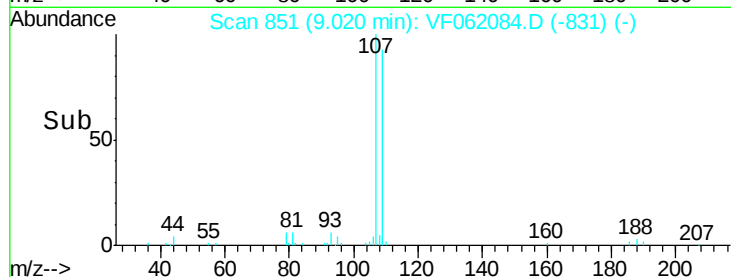
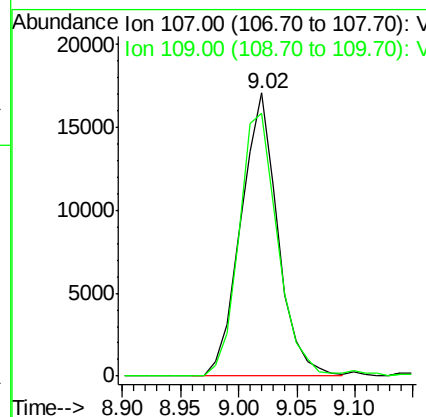
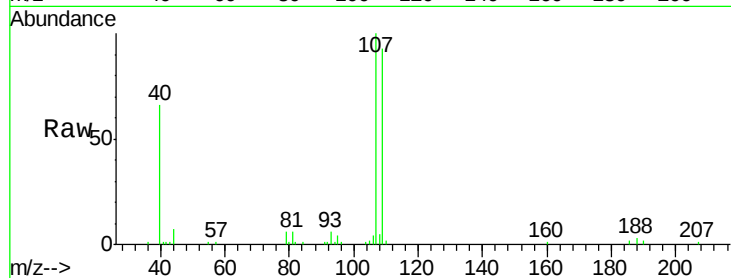
109 93.0 73.4 110.0

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#62

4-Bromofluorobenzene

Concen: 51.977 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

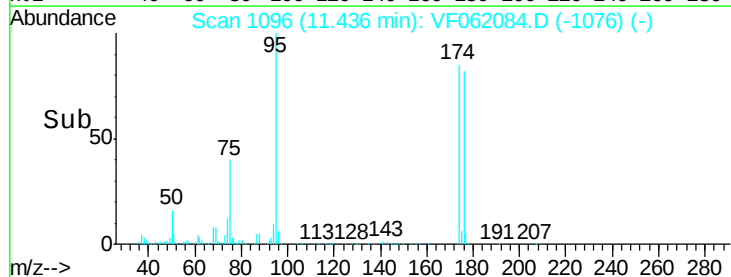
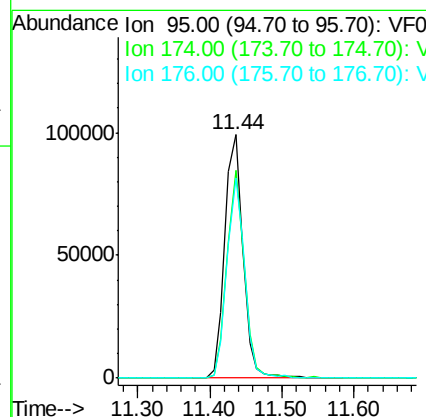
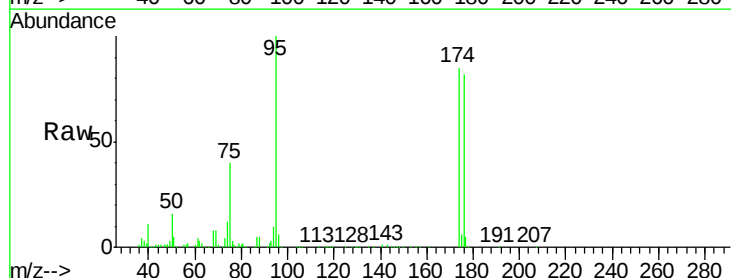
Tgt Ion: 95 Resp: 173958

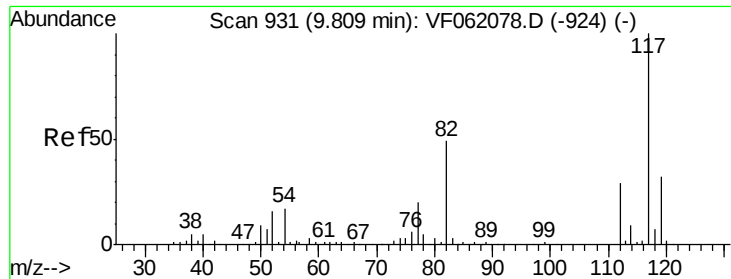
Ion Ratio Lower Upper

95 100

174 85.3 0.0 168.2

176 82.1 0.0 164.2





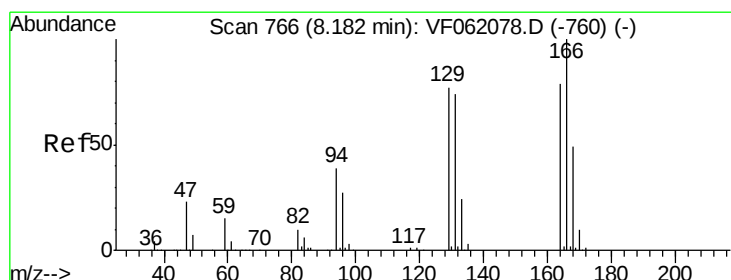
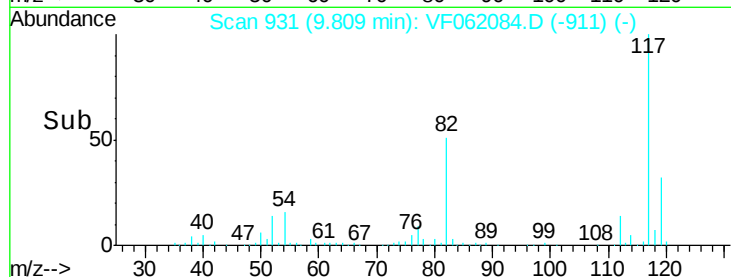
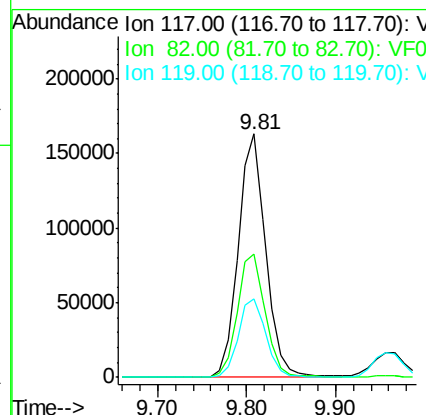
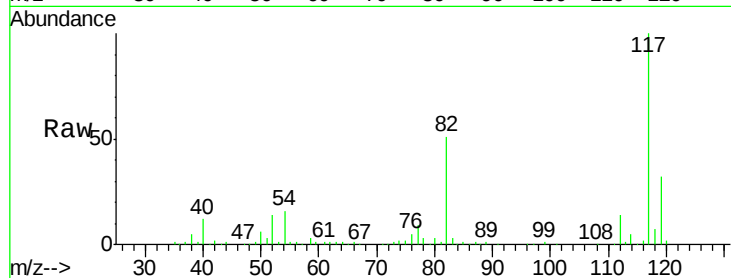
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	39.2	58.8
119	32.3	25.4	38.2

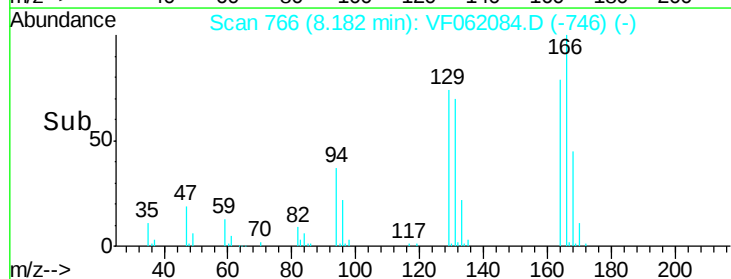
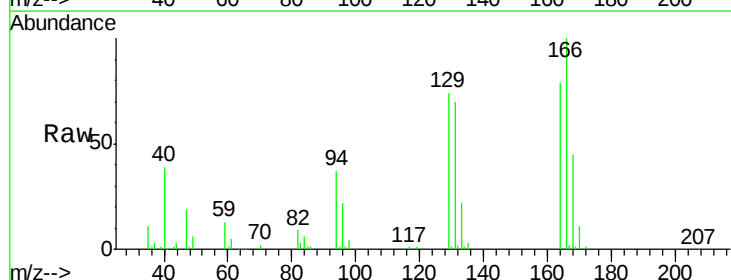
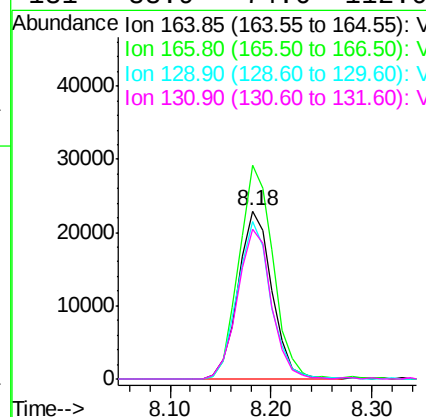
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#64
Tetrachloroethene
Concen: 19.663 ug/l
RT: 8.18 min Scan# 766
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	100.9	151.3
129	93.8	77.9	116.9
131	88.9	74.6	112.0





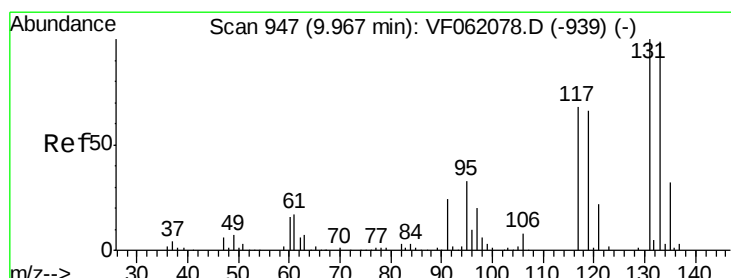
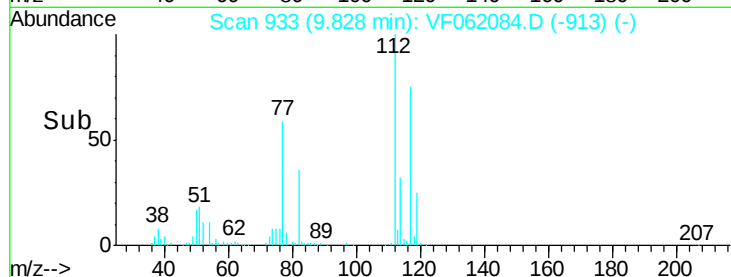
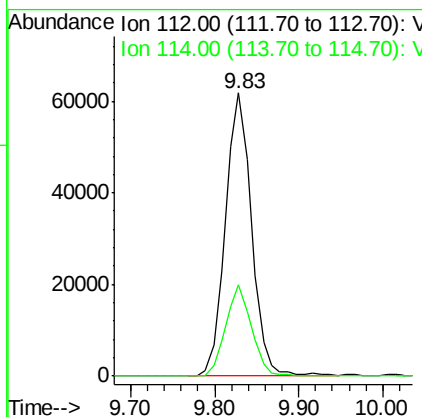
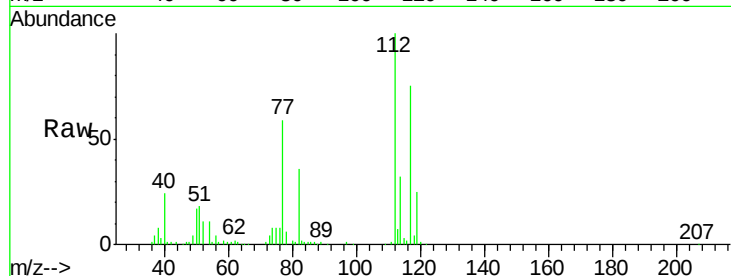
#65
Chlorobenzene
Concen: 20.287 ug/l
RT: 9.83 min Scan# 933
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion:112 Resp: 133502
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

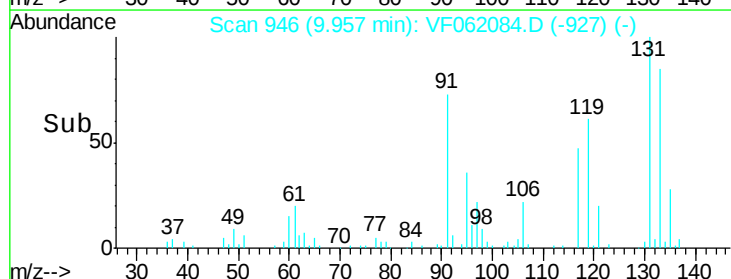
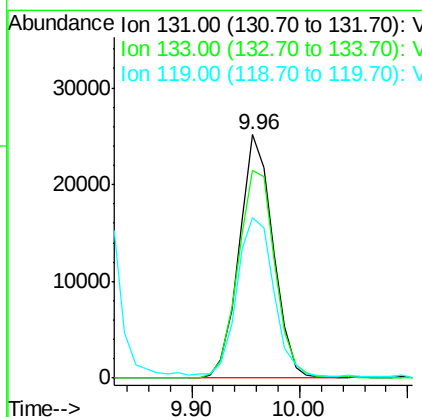
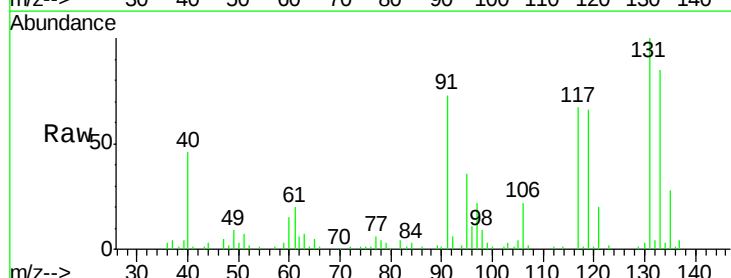
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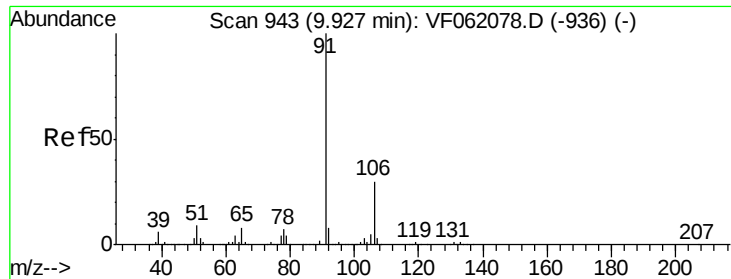
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.655 ug/l
RT: 9.96 min Scan# 946
Delta R.T. -0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion:131 Resp: 54599
Ion Ratio Lower Upper
131 100
133 85.2 49.3 147.8
119 66.0 33.5 100.4





#67

Ethyl Benzene

Concen: 20.915 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion: 91 Resp: 239359

Ion Ratio Lower Upper

91 100

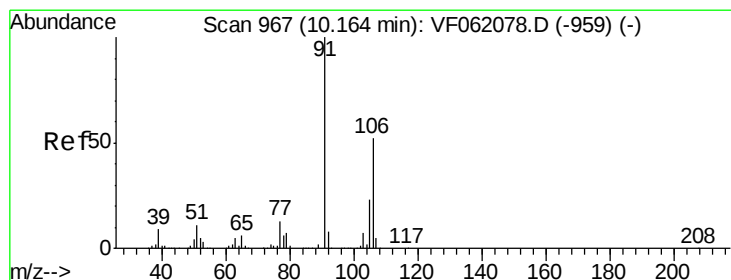
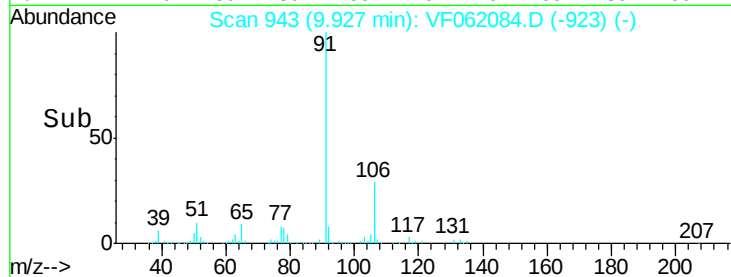
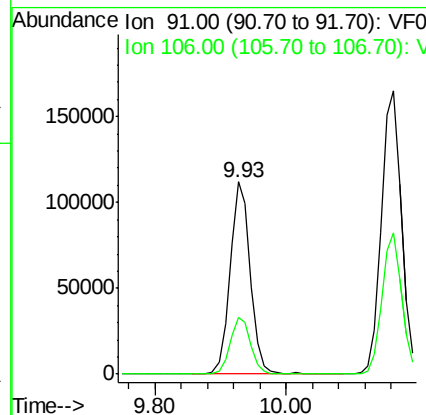
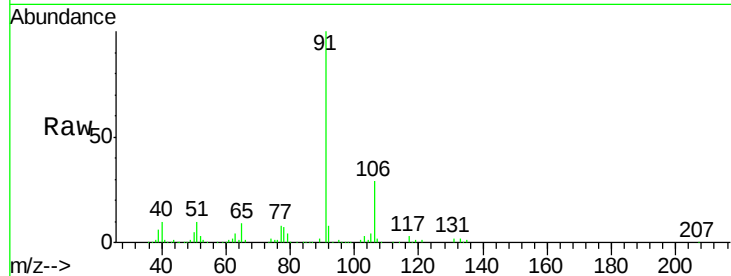
106 29.3 24.0 36.0

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#68

m/p-Xylenes

Concen: 40.992 ug/l

RT: 10.16 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF062084.D

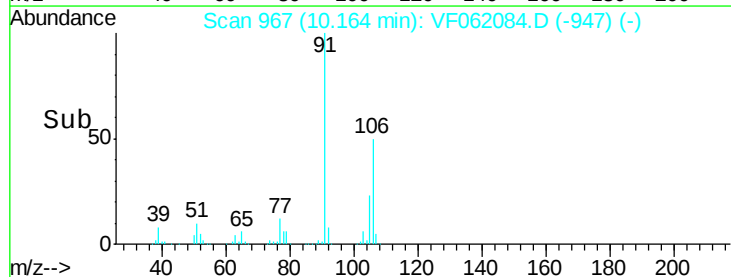
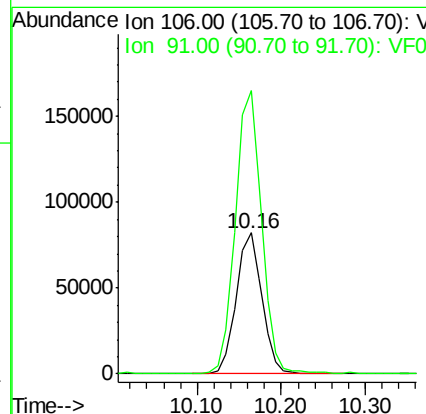
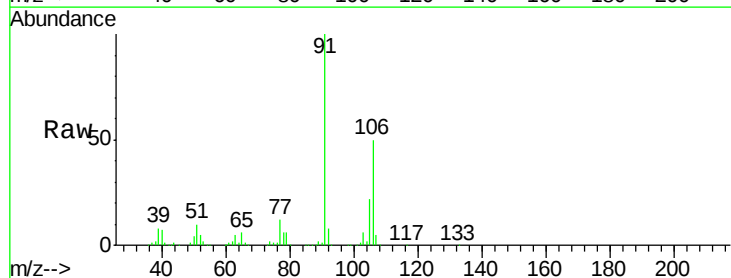
Acq: 22 Mar 2019 15:56

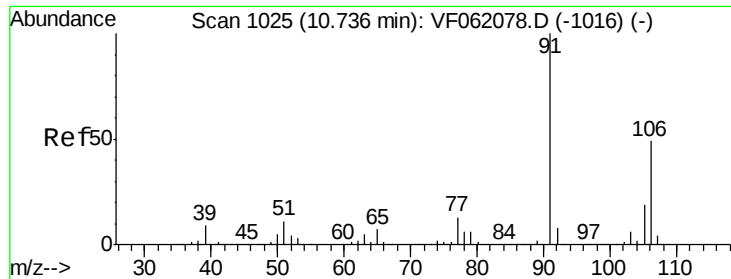
Tgt Ion: 106 Resp: 175340

Ion Ratio Lower Upper

106 100

91 200.6 154.4 231.6





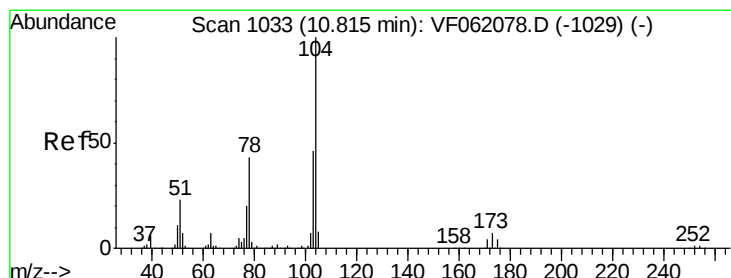
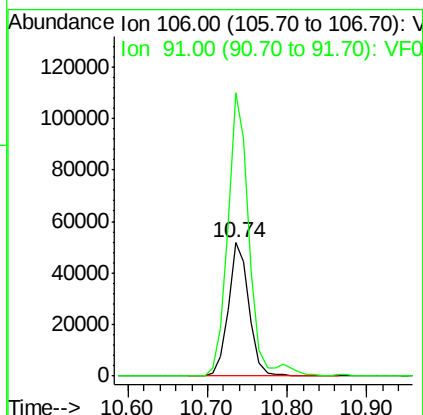
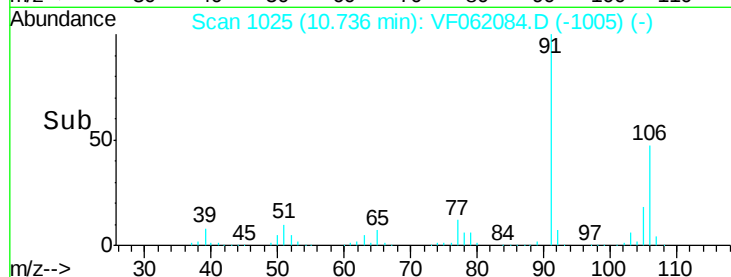
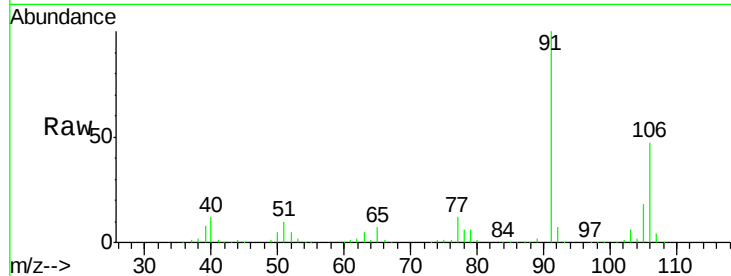
#69
o-Xylene
Concen: 21.224 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion:106 Resp: 95086
Ion Ratio Lower Upper
106 100
91 212.2 102.6 307.8

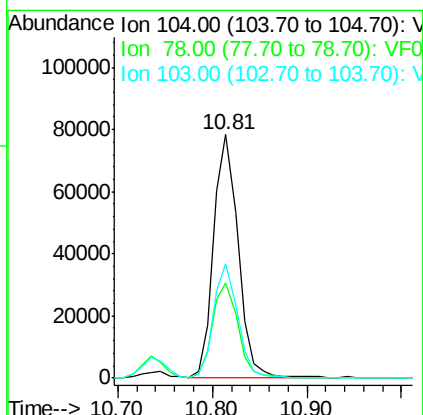
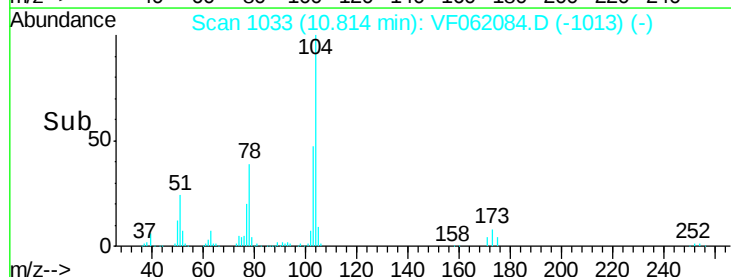
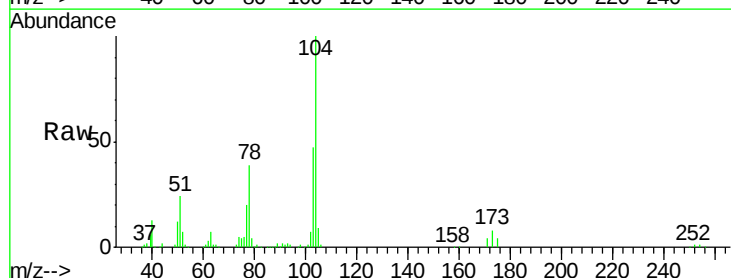
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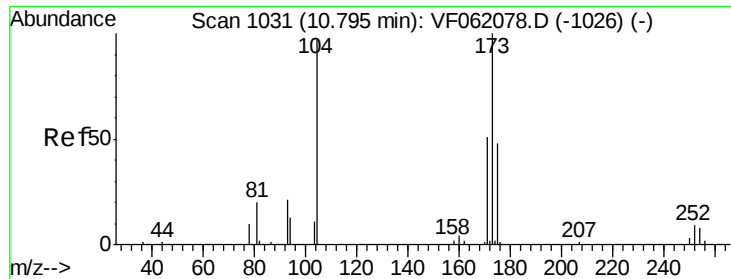
MMDadoda
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#70
Styrene
Concen: 20.830 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion:104 Resp: 141394
Ion Ratio Lower Upper
104 100
78 38.9 34.3 51.5
103 47.1 36.9 55.3





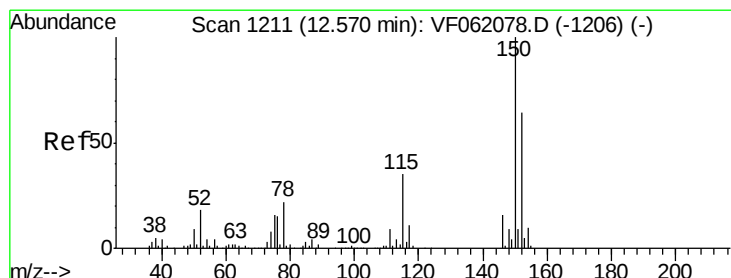
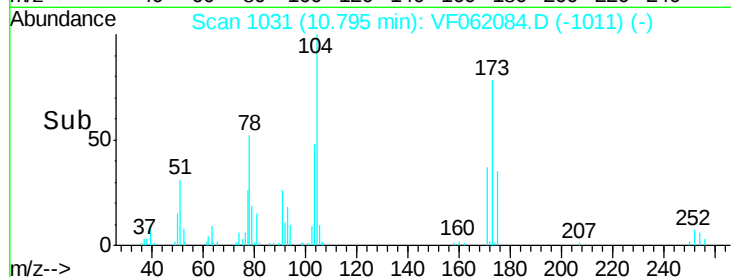
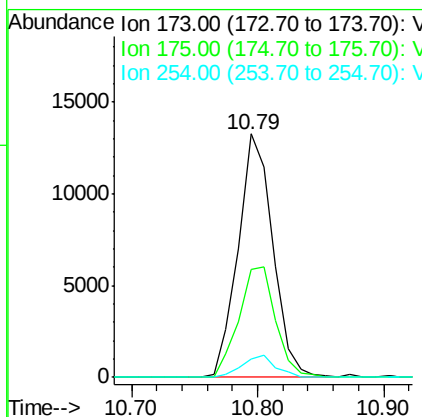
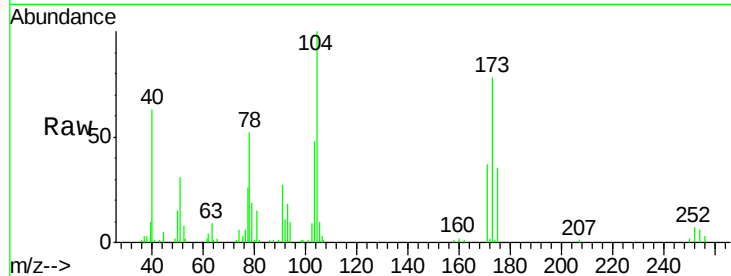
#71
Bromoform
Concen: 18.726 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.2	24.1	72.4
254	7.6	6.2	9.4

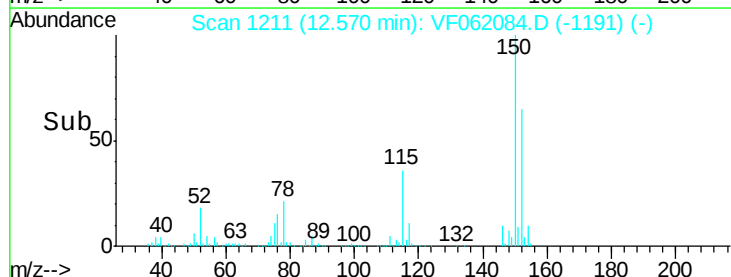
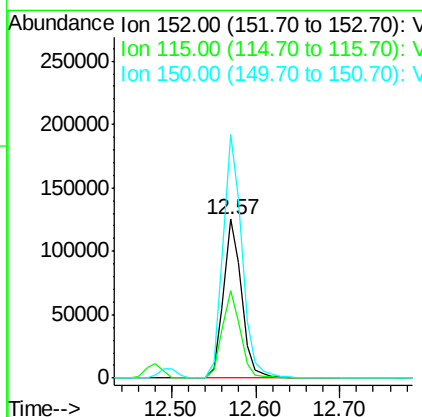
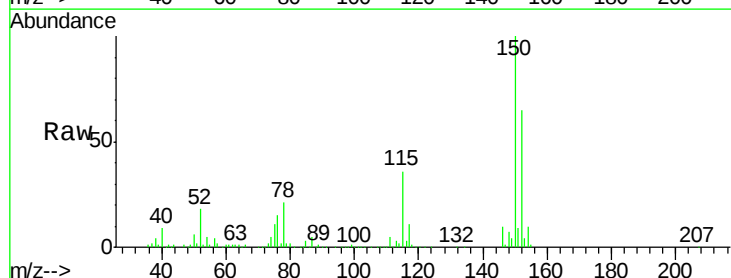
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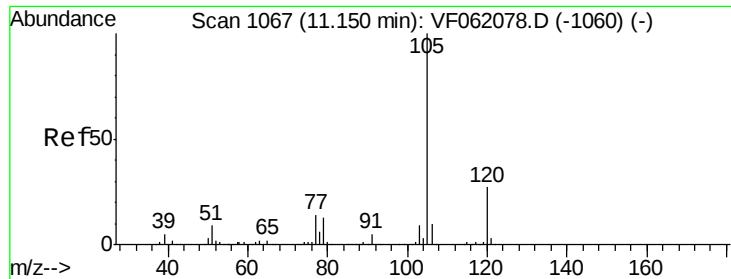
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.7	83.1
150	153.1	0.0	313.2





#73

Isopropylbenzene

Concen: 20.044 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion:105 Resp: 266660

Ion Ratio Lower Upper

105 100

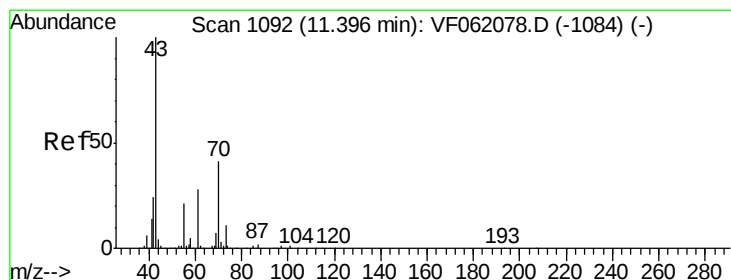
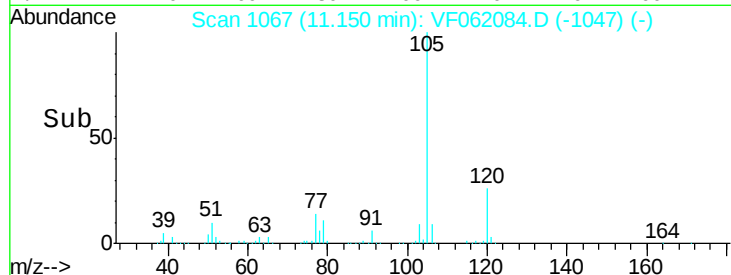
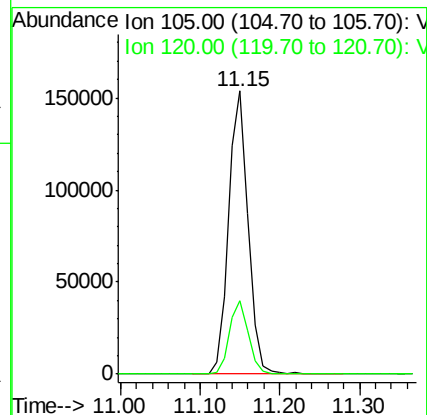
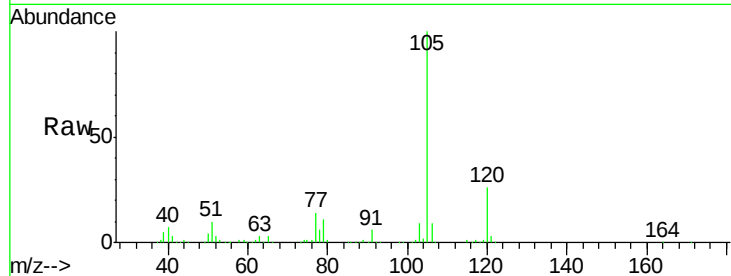
120 26.1 13.8 41.3

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#74

N-ethyl acetate

Concen: 20.782 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion: 43 Resp: 65880

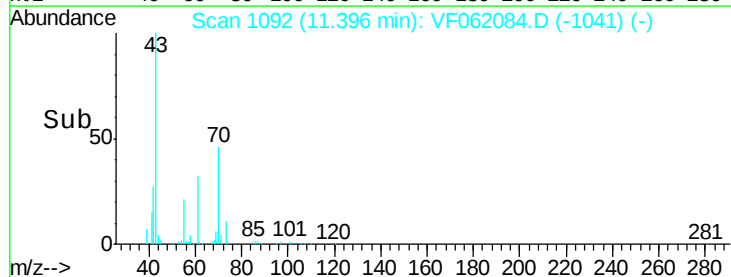
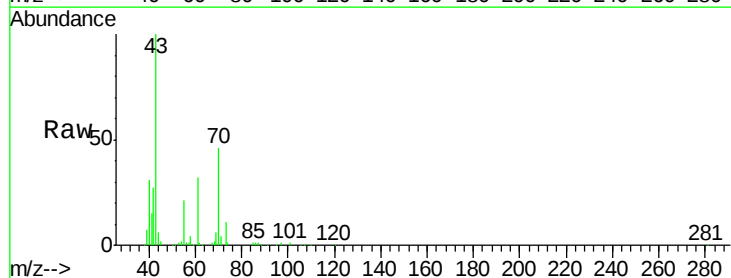
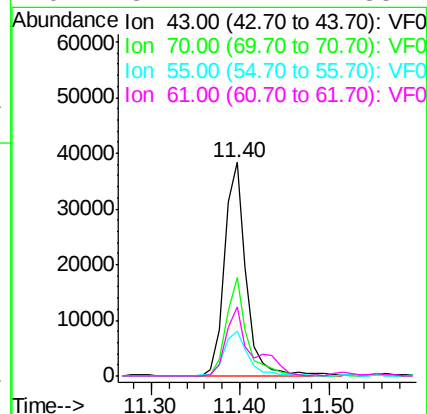
Ion Ratio Lower Upper

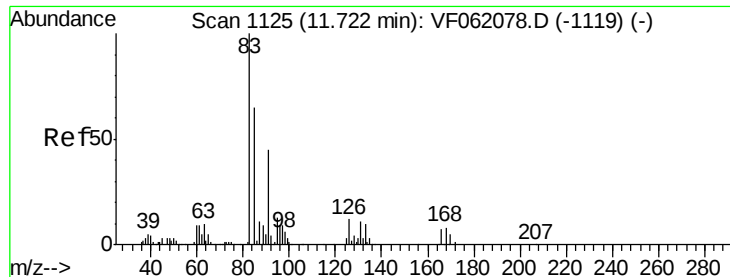
43 100

70 46.3 32.9 49.3

55 21.2 17.1 25.7

61 32.4 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.539 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

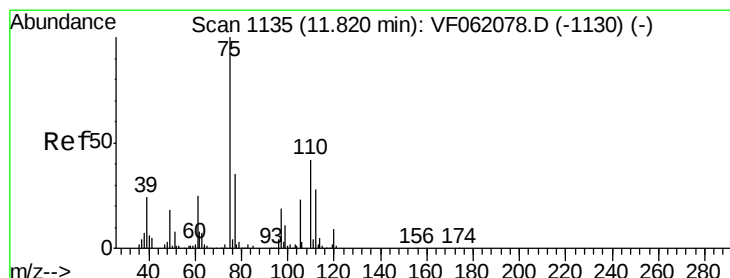
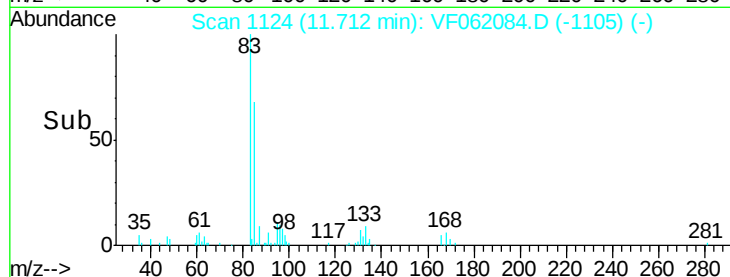
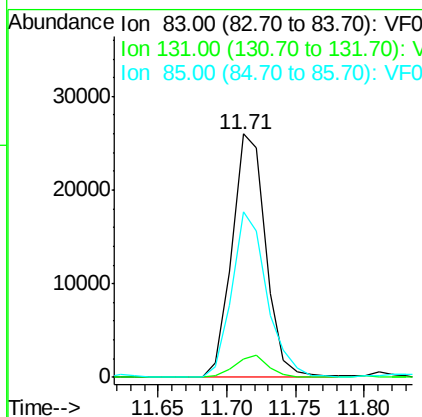
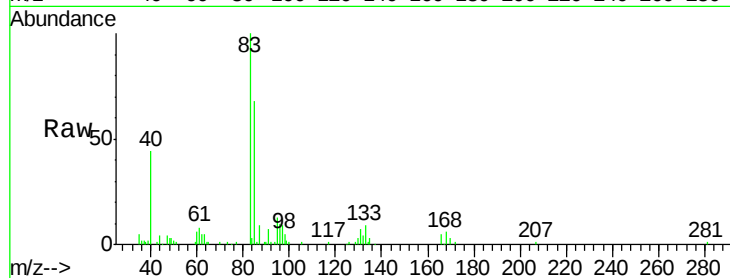
ClientSampleId :

VF0322SBS01

Tot Ion:	83	Resp:	44633
Ion Ratio	Lower	Upper	
83	100		
131	7.4	5.3	15.8
85	68.2	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 17.818 ug/l

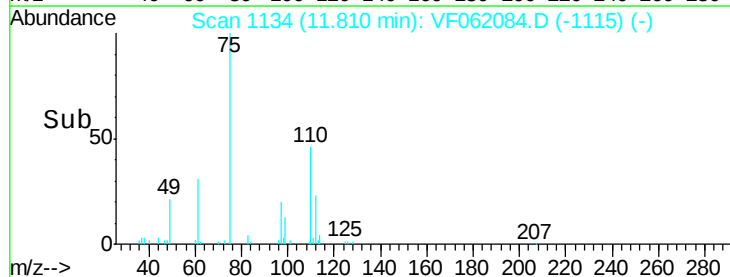
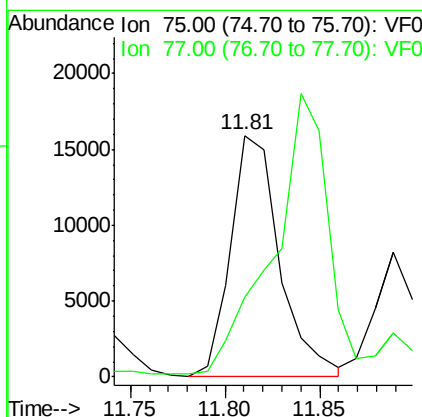
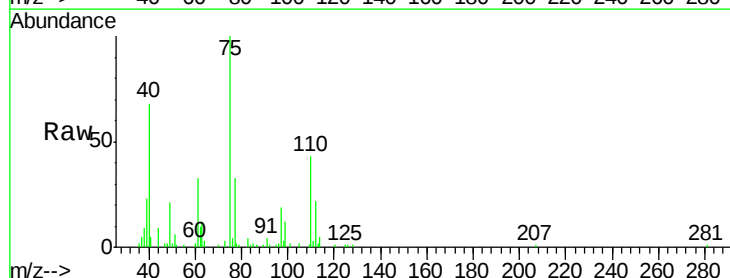
RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion:	75	Resp:	28645
Ion Ratio	Lower	Upper	
75	100		
77	33.1	17.8	53.3





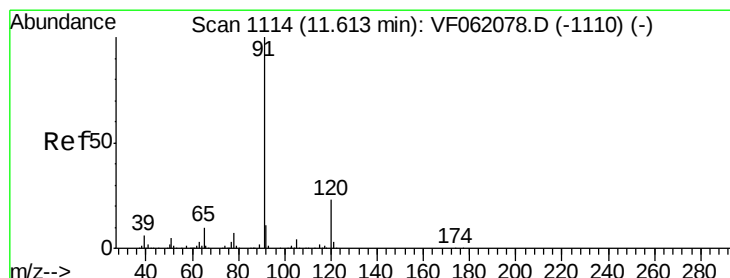
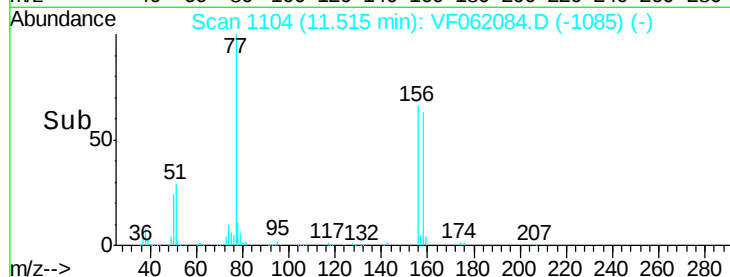
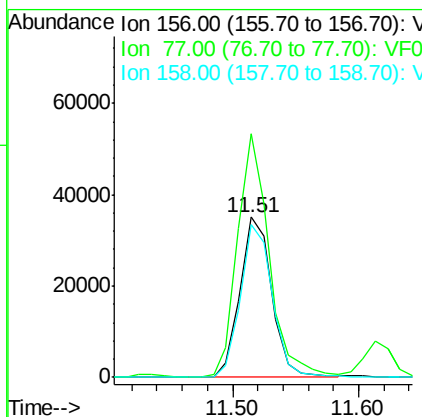
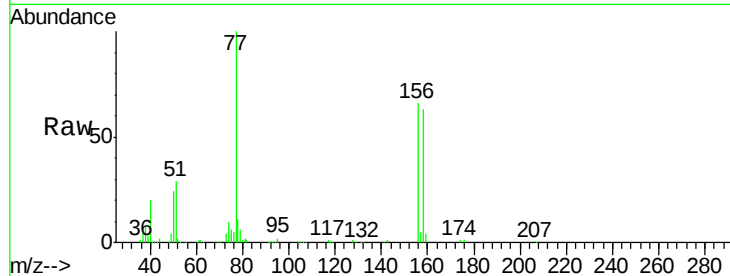
#77
Bromobenzene
Concen: 18.925 ug/l
RT: 11.51 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		61513		
77	151.9	61.3	183.9		
158	95.7	48.6	145.9		

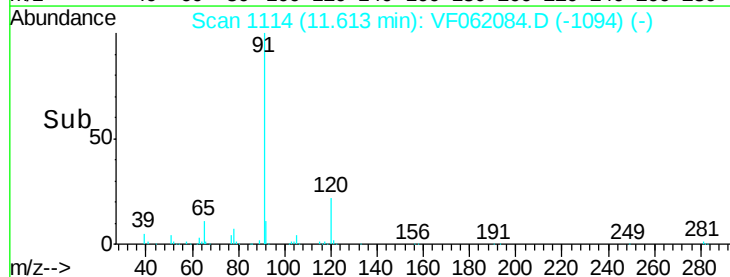
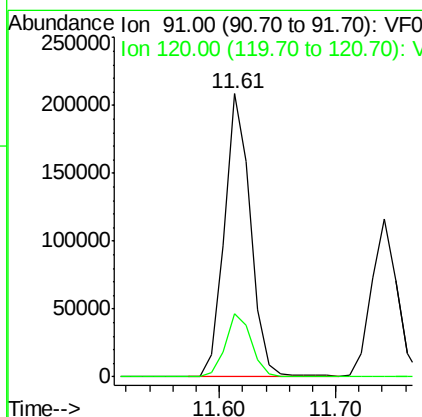
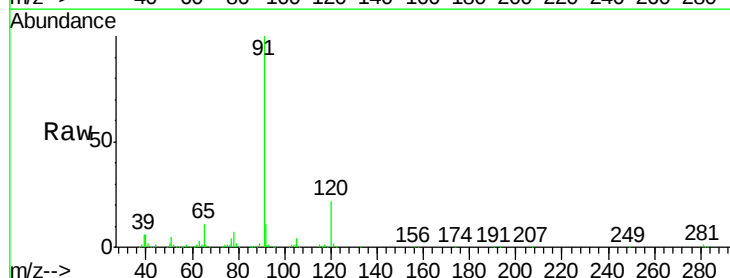
Manual Integrations
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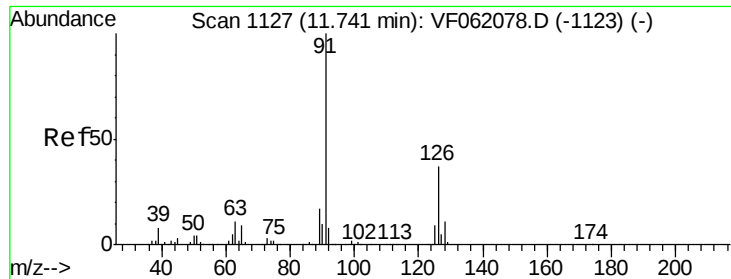
MMDadoda
3/27/2019 11:57:16 AM



#78
n-propylbenzene
Concen: 20.811 ug/l
RT: 11.61 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		321497		
120	22.2	11.3	33.8		





#79

2-Chlorotoluene

Concen: 20.548 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBSD01

Tot Ion: 91 Resp: 176440

Ion Ratio Lower Upper

91 100

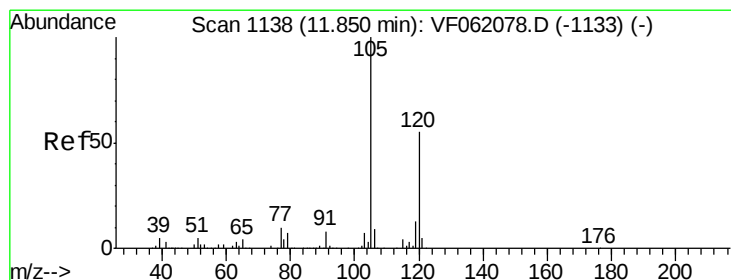
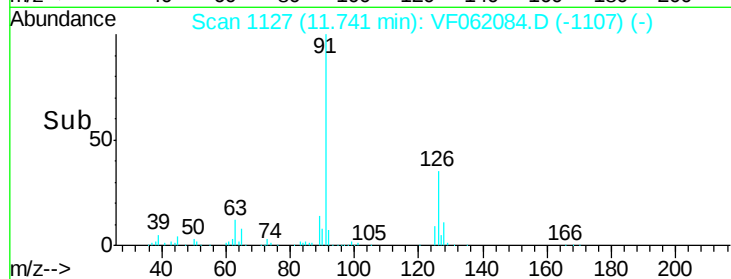
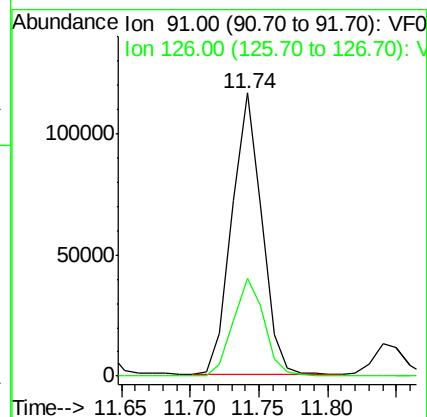
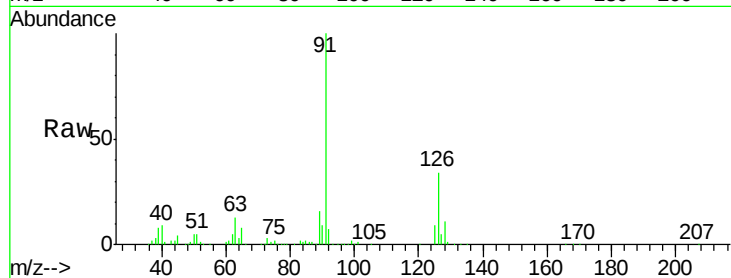
126 34.5 18.3 54.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.953 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VF062084.D

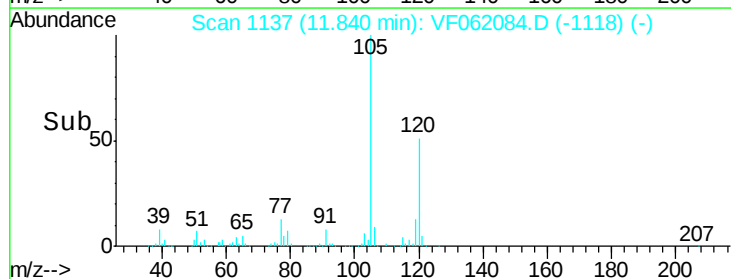
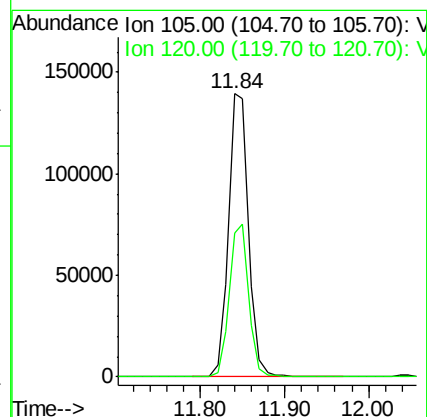
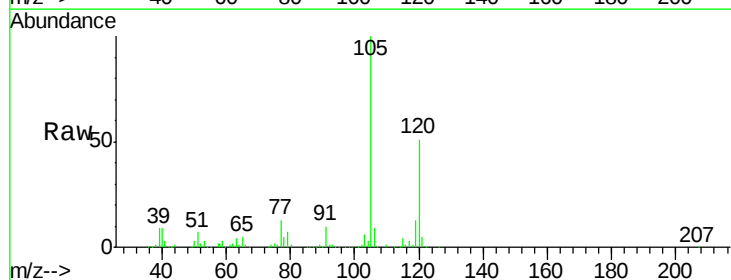
Acq: 22 Mar 2019 15:56

Tgt Ion: 105 Resp: 229287

Ion Ratio Lower Upper

105 100

120 51.0 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.645 ug/l m

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

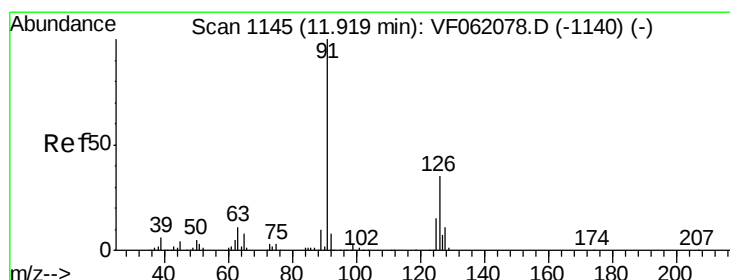
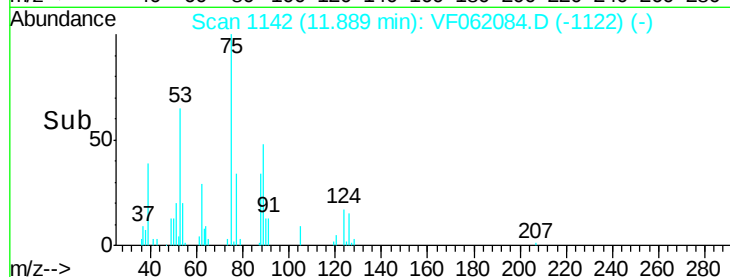
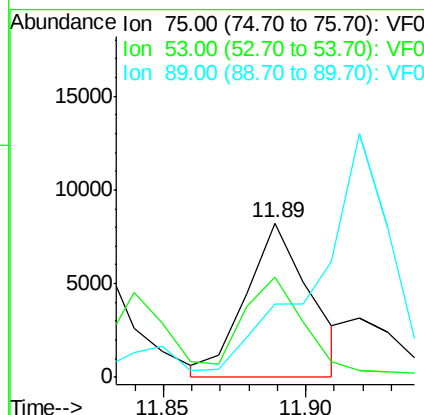
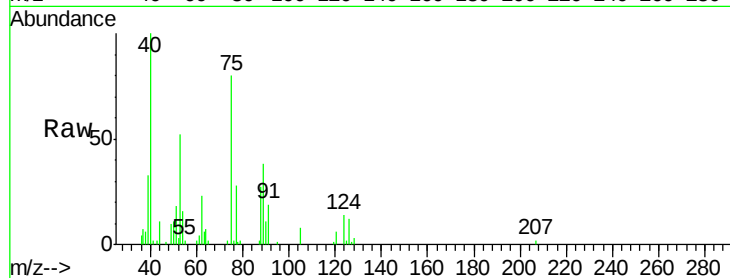
ClientSampleId :

VF0322SBS01

Tot Ion:	75	Resp:	12869
Ion	Ratio	Lower	Upper
75	100		
53	65.1	49.4	74.0
89	47.5	40.6	60.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.010 ug/l

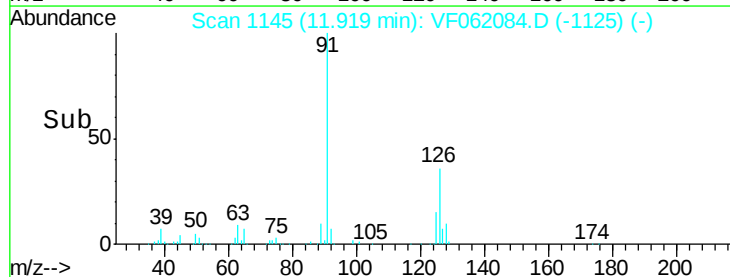
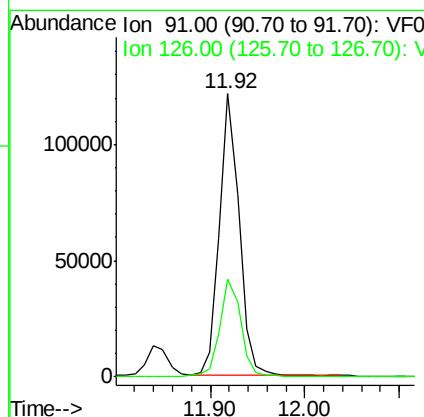
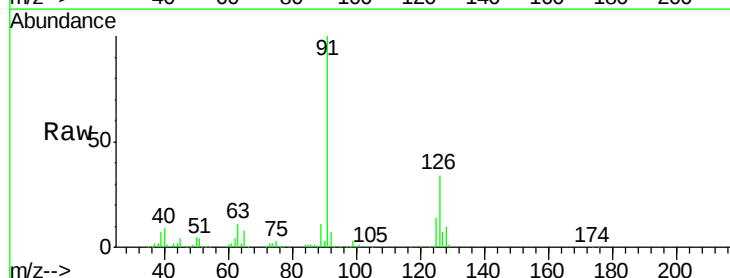
RT: 11.92 min Scan# 1145

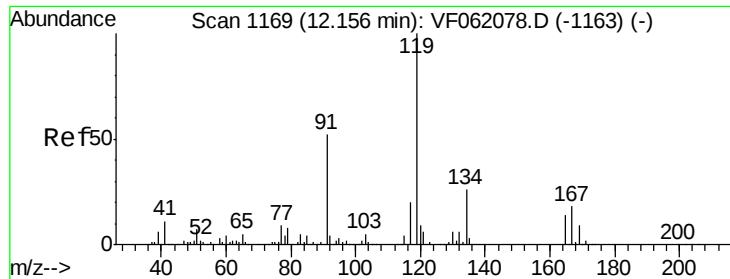
Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion:	91	Resp:	176169
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.6





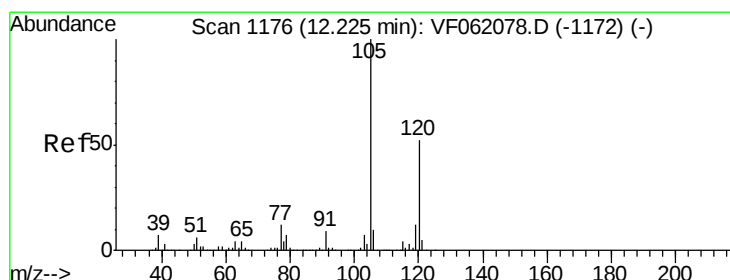
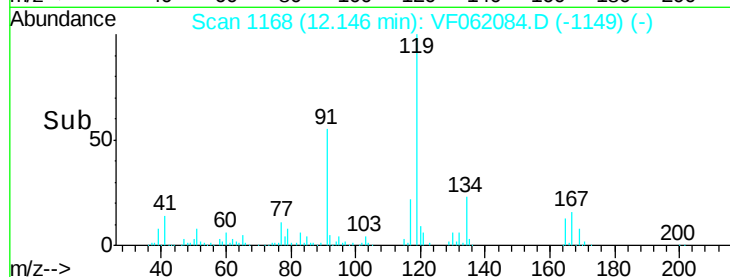
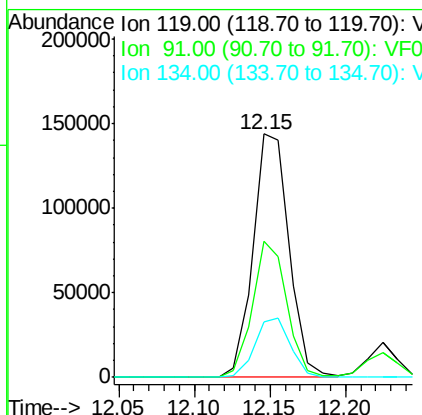
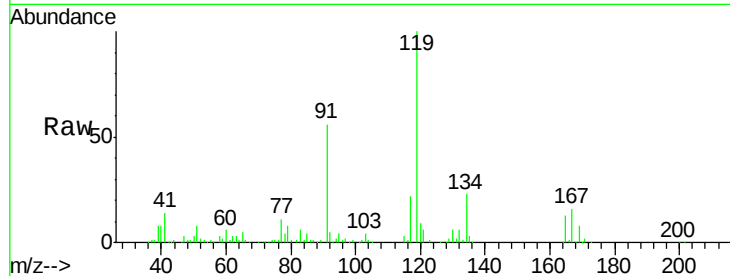
#83
 tert-Butylbenzene
 Concen: 20.898 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239397		
91	56.1		26.1	78.2
134	22.6		12.8	38.4

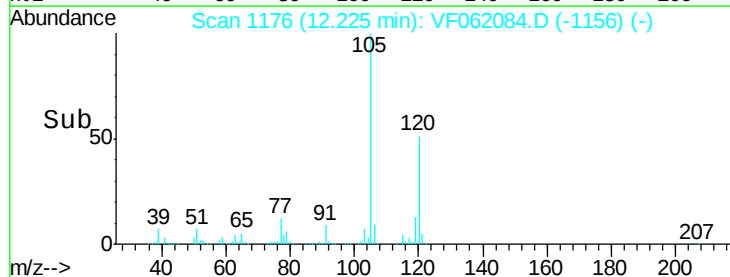
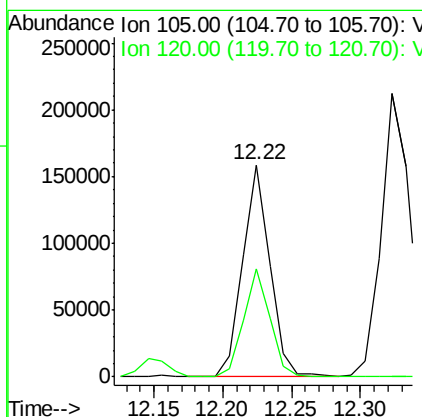
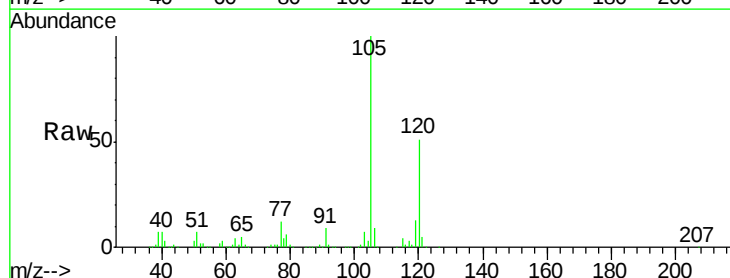
Manual Integrations
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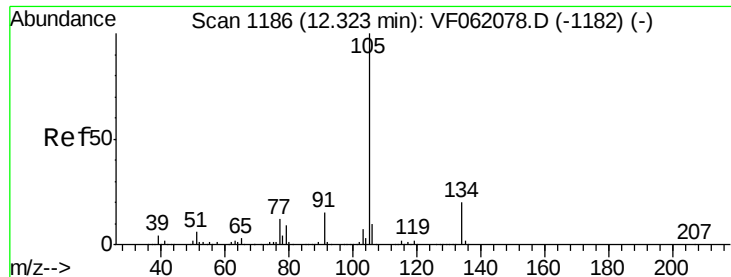
MMDadoda
 3/27/2019 11:57:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.478 ug/l
 RT: 12.22 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	219686		
120	51.2		26.1	78.2





#85

sec-Butylbenzene

Concen: 20.920 ug/l

RT: 12.32 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBS01

Tot Ion:105 Resp: 310027

Ion Ratio Lower Upper

105 100

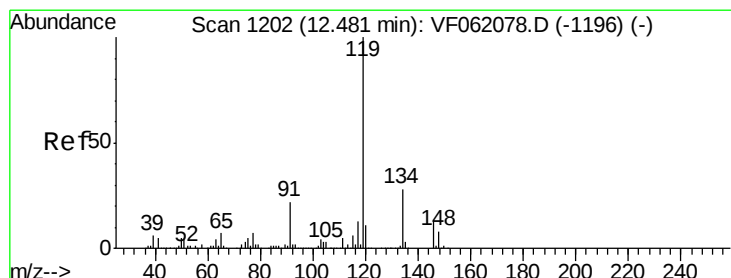
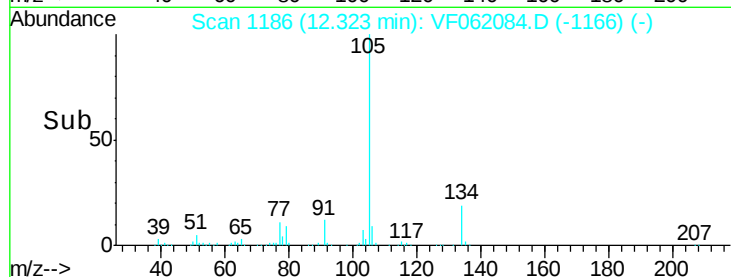
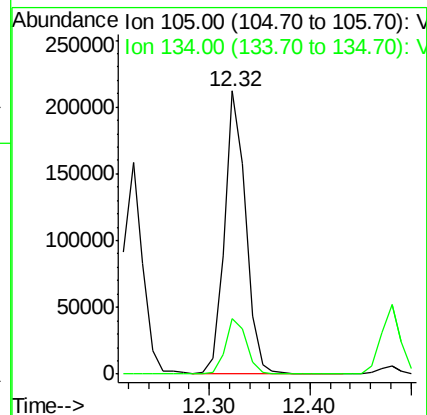
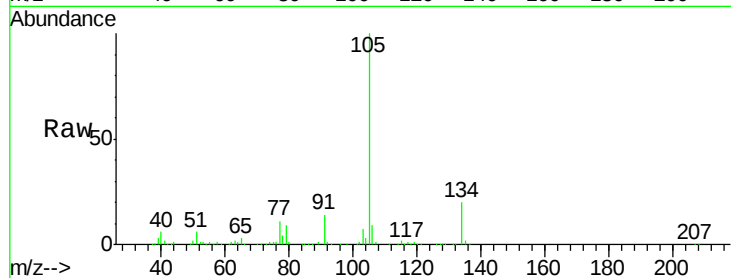
134 19.8 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 20.922 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

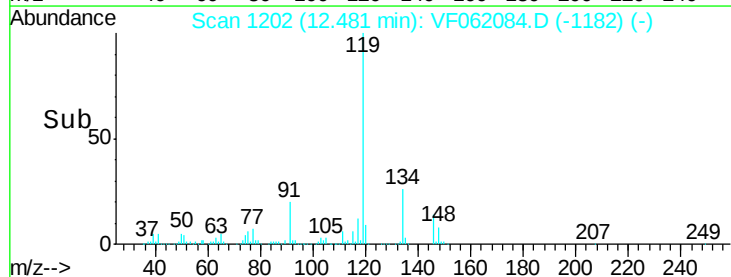
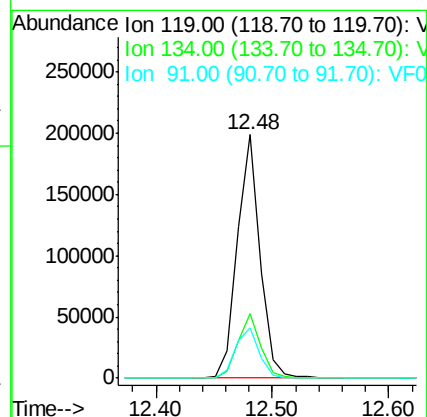
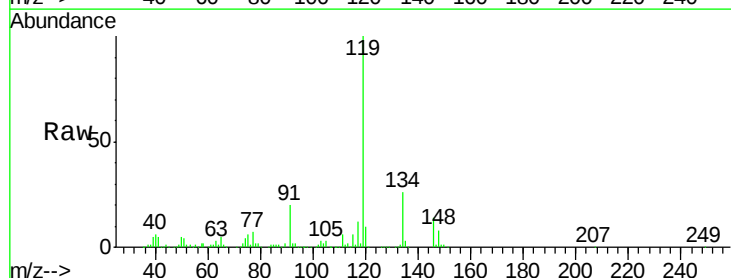
Tgt Ion:119 Resp: 268616

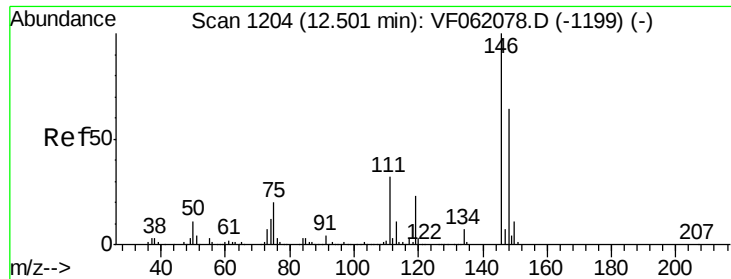
Ion Ratio Lower Upper

119 100

134 26.3 14.0 42.0

91 20.4 10.8 32.4





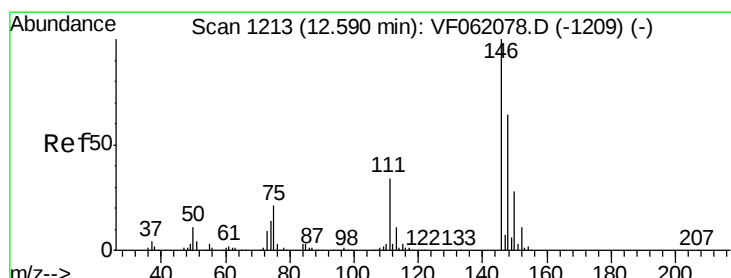
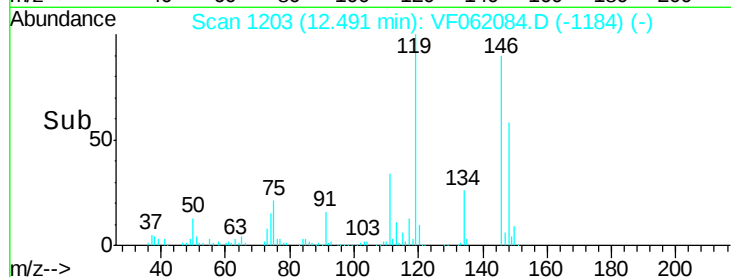
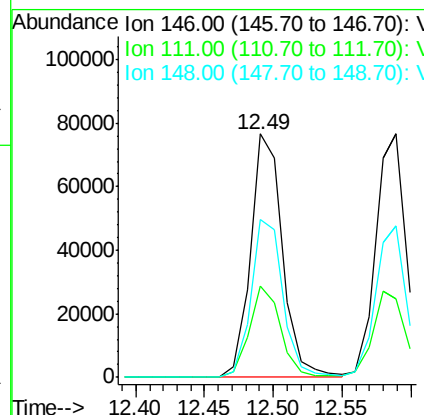
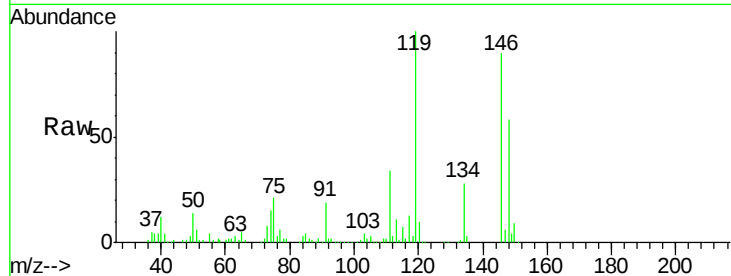
#87
 1,3-Dichlorobenzene
 Concen: 20.573 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	16.1	48.3
148	64.8	31.9	95.7

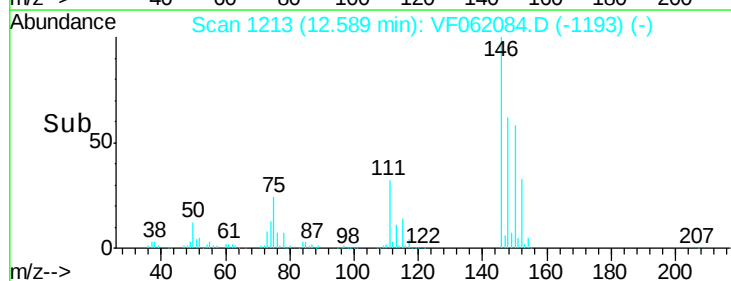
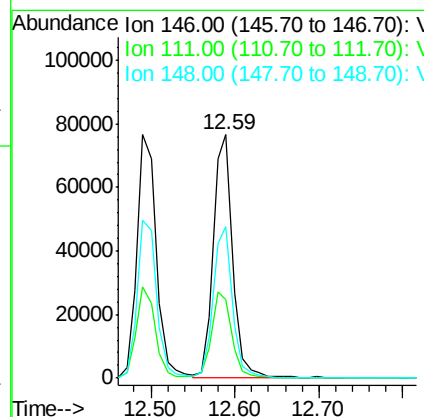
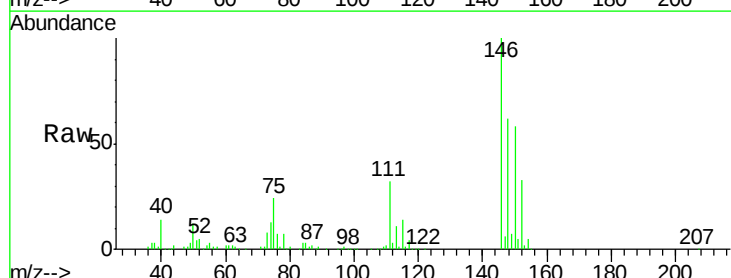
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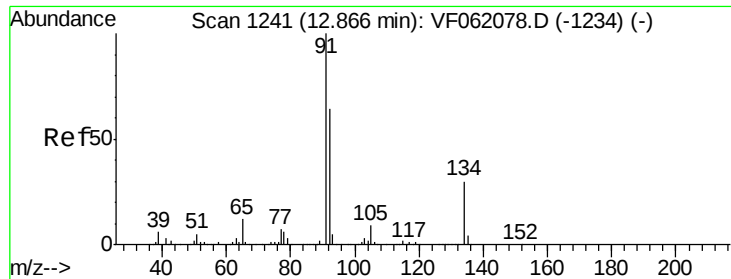
MMDadoda
 3/27/2019 11:57:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.645 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.2	16.9	50.6
148	62.4	31.9	95.7





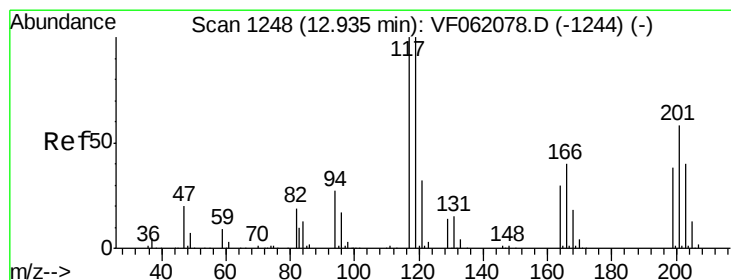
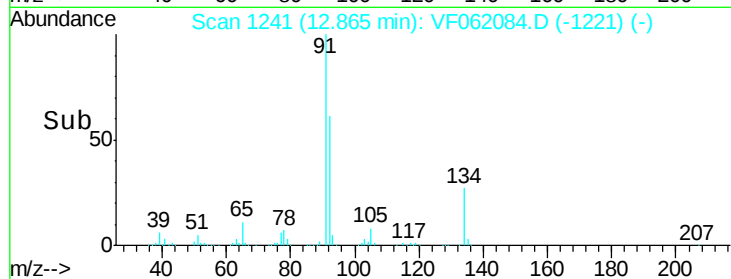
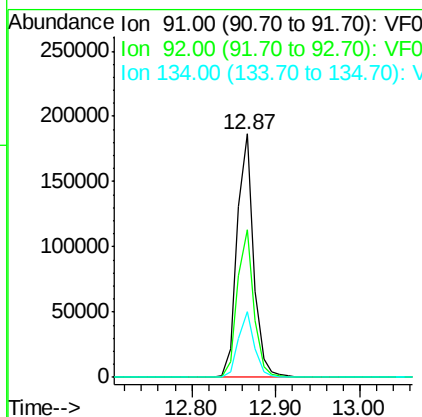
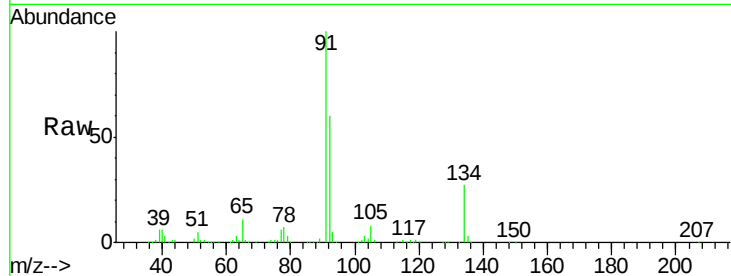
#89
n-Butylbenzene
Concen: 20.869 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	255627		
92	60.5		31.9	95.5
134	27.0		14.9	44.9

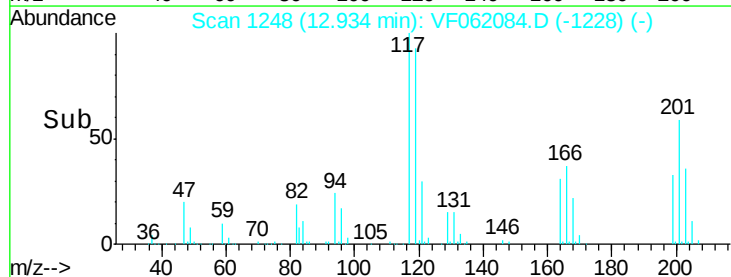
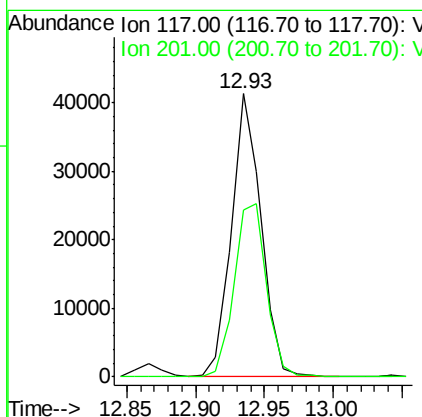
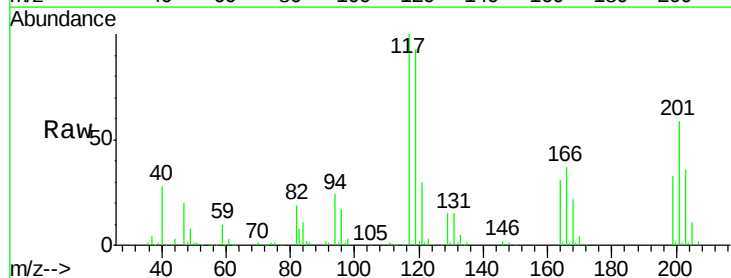
Manual Integrations
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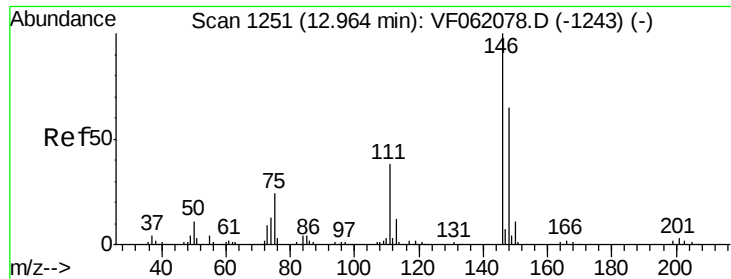
MMDadoda
3/27/2019 11:57:16 AM



#90
Hexachloroethane
Concen: 20.185 ug/l
RT: 12.93 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VF062084.D
Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	61708		
201	59.0		28.7	86.1





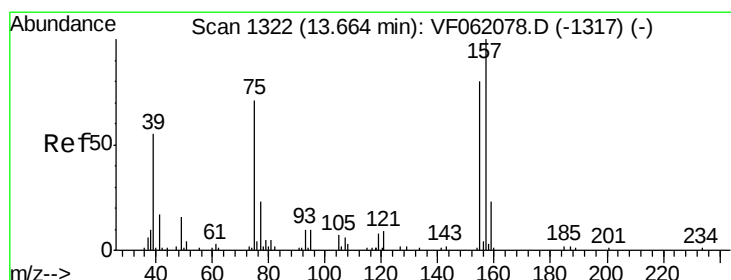
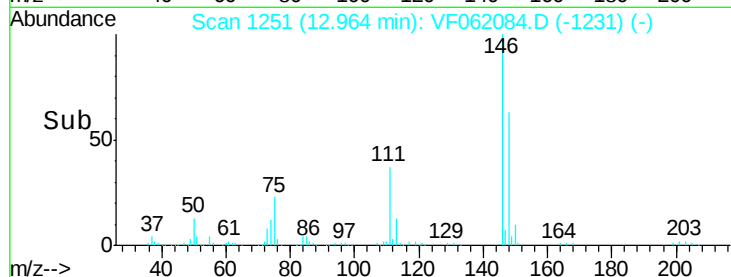
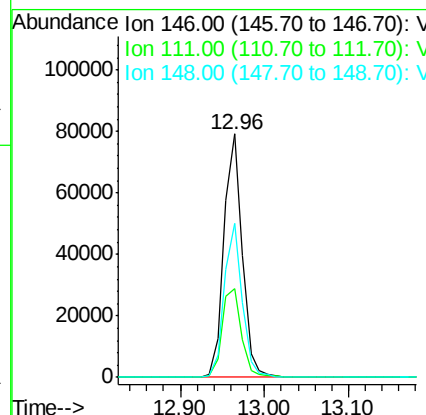
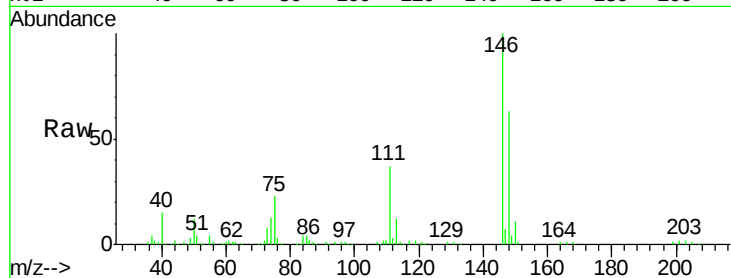
#91
 1,2-Dichlorobenzene
 Concen: 21.290 ug/l
 RT: 12.96 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	19.1	57.3
148	63.2	32.8	98.3

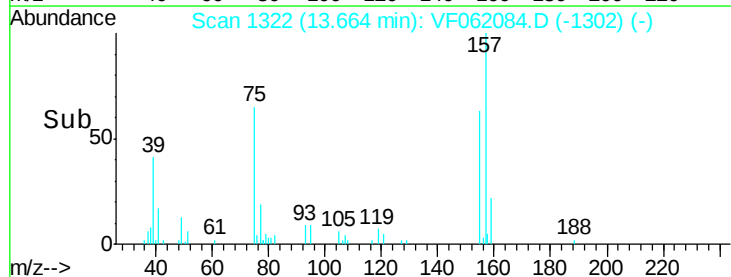
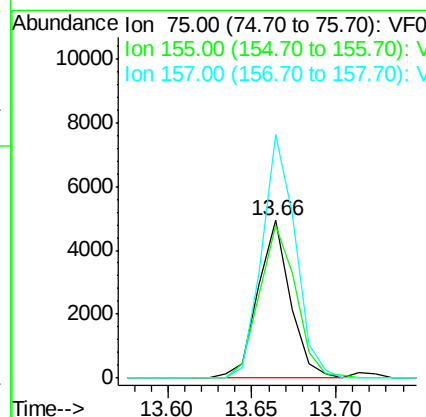
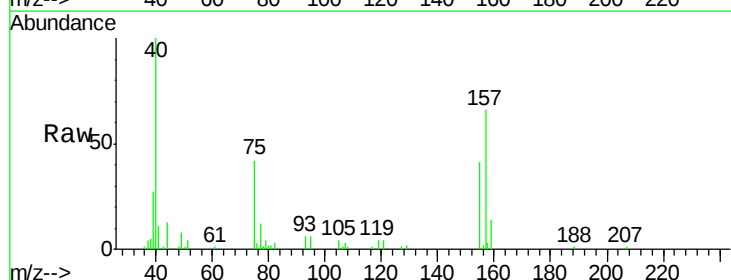
Manual Integrations
 APPROVED

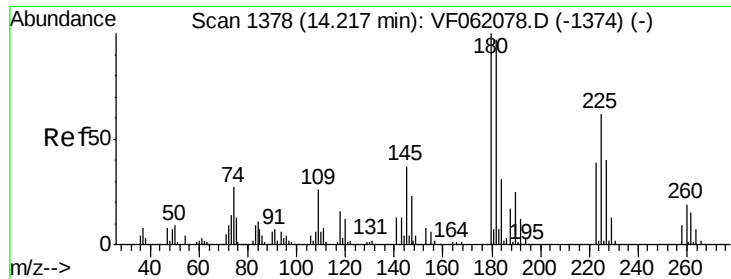
MMDadoda
 3/27/2019 11:57:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.077 ug/l
 RT: 13.66 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	56.1	168.4
157	154.8	70.4	211.2





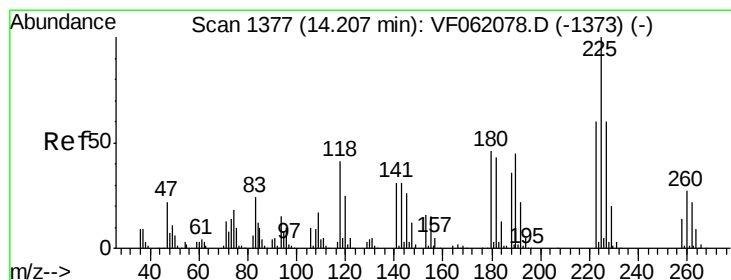
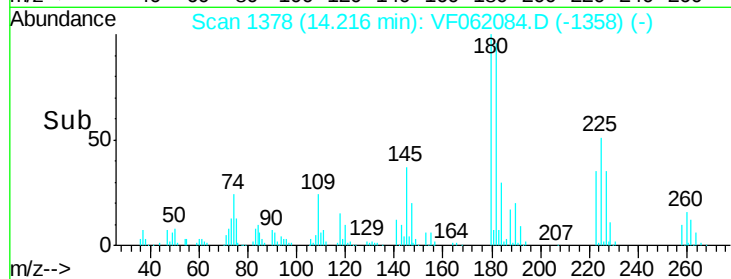
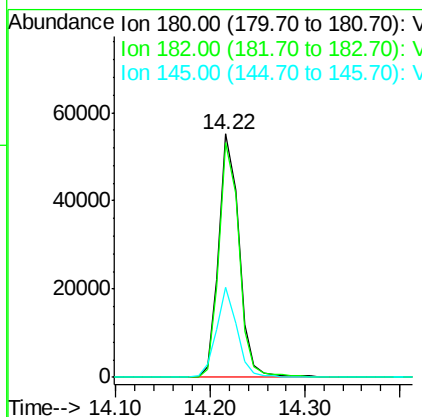
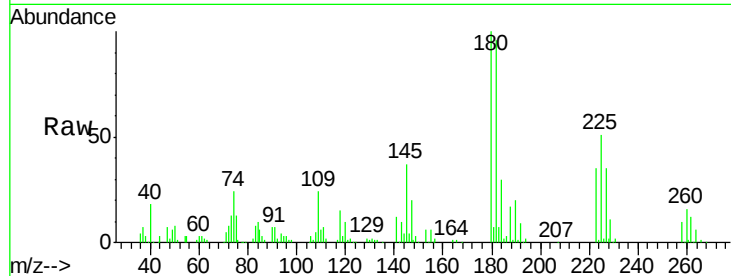
#93
 1,2,4-Trichlorobenzene
 Concen: 20.959 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.7	146.1
145	36.9	18.3	54.8

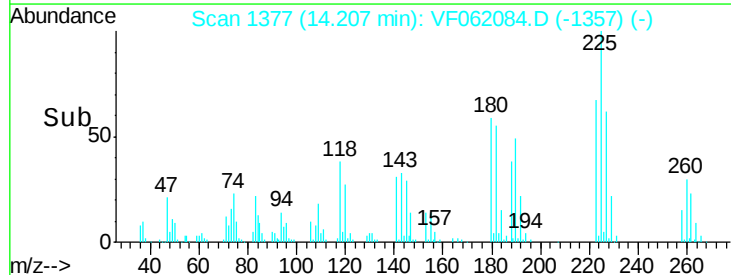
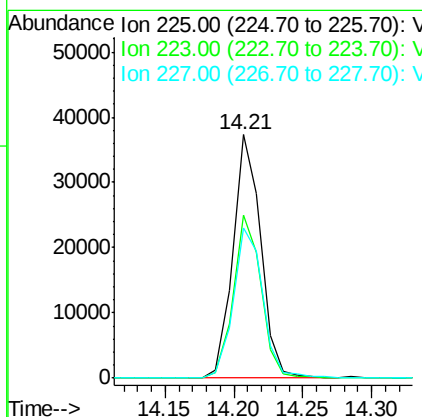
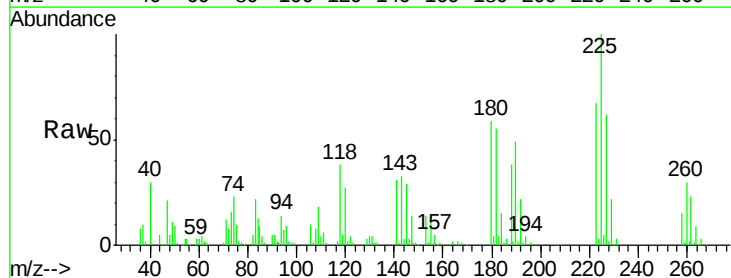
Manual Integrations
 APPROVED

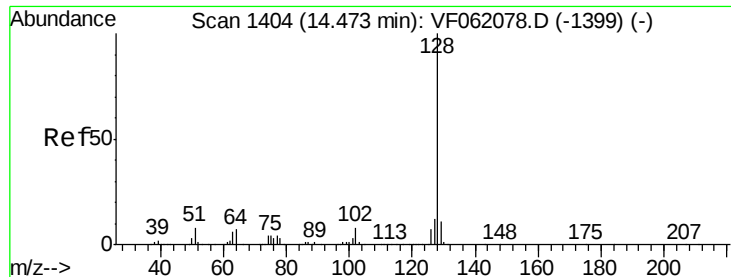
MMDadoda
 3/27/2019 11:57:16 AM



#94
 Hexachlorobutadiene
 Concen: 20.028 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF062084.D
 Acq: 22 Mar 2019 15:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.8	30.0	90.0
227	61.9	30.2	90.6





#95

Naphthalene

Concen: 20.064 ug/l

RT: 14.47 min Scan# 1404

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Instrument :

MSVOA_F

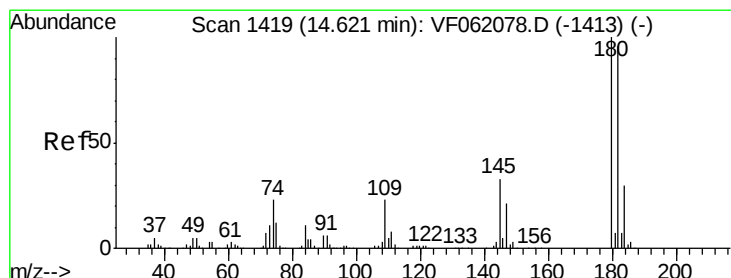
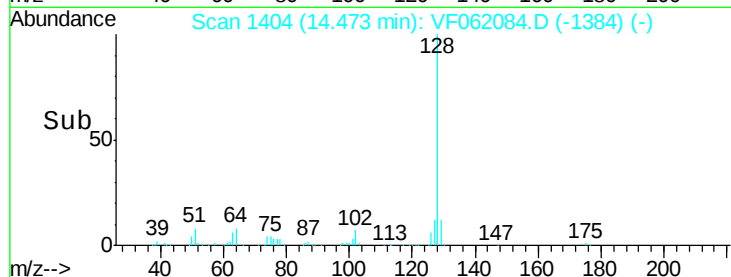
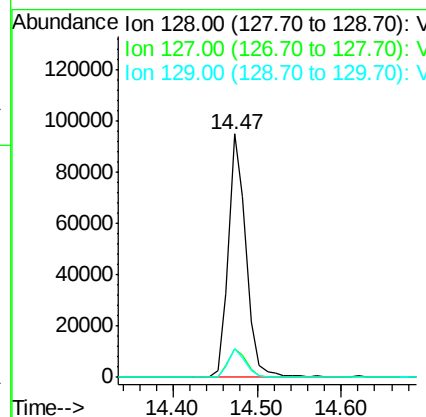
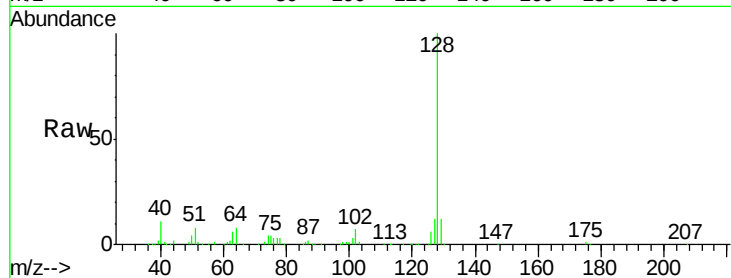
ClientSampleId :

VF0322SBSD01

Tot Ion:	128	Resp:	138953
Ion Ratio	Lower	Upper	
128	100		
127	12.0	9.5	14.3
129	11.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/27/2019 11:57:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.654 ug/l

RT: 14.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF062084.D

Acq: 22 Mar 2019 15:56

Tgt Ion:	180	Resp:	72707
Ion Ratio	Lower	Upper	
180	100		
182	99.8	47.9	143.7
145	34.0	16.6	49.7

