

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061864.D
 Acq On : 8 Mar 2019 15:55
 Operator : VA/AP
 Sample : VF0308SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0308SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 10:12:11 AM

Quant Time: Mar 09 02:13:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	326018	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	460430	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	401570	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	224075	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	109934	46.30	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	92.60%	
35) Dibromofluoromethane	4.08	113	152309	47.40	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	94.80%	
50) Toluene-d8	7.53	98	448022	46.91	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	93.82%	
62) 4-Bromofluorobenzene	11.39	95	173372	46.34	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	92.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	86123	21.517	ug/l	90
3) Chloromethane	1.09	50	82525	21.275	ug/l	97
4) Vinyl Chloride	1.13	62	81231	22.060	ug/l	98
5) Bromomethane	1.32	94	50890	20.279	ug/l	91
6) Chloroethane	1.38	64	38079	21.755	ug/l	99
7) Trichlorofluoromethane	1.48	101	101584m	22.587	ug/l	
8) Diethyl Ether	1.62	74	20897	20.433	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	65806	21.547	ug/l	92
10) Methyl Iodide	1.89	142	124600m	21.439	ug/l	
11) Tert butyl alcohol	2.55	59	13344	99.022	ug/l #	83
12) 1,1-Dichloroethene	1.78	96	59949	21.501	ug/l	96
13) Acrolein	1.99	56	14686	86.007	ug/l	99
14) Allyl chloride	2.08	41	79357	25.835	ug/l	93
15) Acrylonitrile	2.92	53	42972	100.143	ug/l	95
16) Acetone	2.22	43	56696	114.001	ug/l	96
17) Carbon Disulfide	1.81	76	188764m	21.749	ug/l	
18) Methyl Acetate	2.33	43	21839	21.231	ug/l #	84
19) Methyl tert-butyl Ether	2.42	73	97507	20.673	ug/l	98
20) Methylene Chloride	2.17	84	65814m	20.743	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	61896	23.587	ug/l	91
22) Diisopropyl ether	2.78	45	185057	23.160	ug/l #	98
23) Vinyl Acetate	3.17	43	373248	104.564	ug/l	99
24) 1,1-Dichloroethane	2.85	63	107194	22.445	ug/l	97
25) 2-Butanone	4.31	43	111354	110.076	ug/l	99
26) 2,2-Dichloropropane	3.57	77	47816	22.428	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	79361	21.829	ug/l	92
28) Bromochloromethane	3.69	49	42151	20.247	ug/l	95
29) Tetrahydrofuran	4.04	42	45422	104.113	ug/l	95
30) Chloroform	3.84	83	116312	21.322	ug/l	92
31) Cyclohexane	3.66	56	103396m	20.670	ug/l	
32) 1,1,1-Trichloroethane	4.06	97	78991	23.492	ug/l	95
36) 1,1-Dichloropropene	4.25	75	95565	21.973	ug/l	93
37) Ethyl Acetate	4.09	43	41492	22.729	ug/l #	82
38) Carbon Tetrachloride	3.96	117	70317	22.839	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	110641	21.537	ug/l	97
40) Benzene	4.60	78	230851	20.306	ug/l	99
41) Methacrylonitrile	4.72	41	19889	19.885	ug/l	91
42) 1,2-Dichloroethane	4.92	62	60640	21.404	ug/l	96
43) Isopropyl Acetate	6.94	43	47127	20.943	ug/l #	100
44) Trichloroethene	5.48	130	76086	21.536	ug/l	91
45) 1,2-Dichloropropane	6.21	63	55085	20.377	ug/l	99
46) Dibromomethane	6.06	93	32896	19.335	ug/l #	83
47) Bromodichloromethane	6.36	83	78680	20.932	ug/l	99
48) Methyl methacrylate	6.70	41	27846	19.553	ug/l	90
49) 1,4-Dioxane	6.68	88	5152	395.736	ug/l #	77
51) 4-Methyl-2-Pentanone	8.23	43	172570	110.960	ug/l	99
52) Toluene	7.60	92	146135	21.729	ug/l	93
53) t-1,3-Dichloropropene	8.25	75	69126	22.280	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	88716	20.730	ug/l	95
55) 1,1,2-Trichloroethane	8.47	97	39984	20.634	ug/l	96
56) Ethyl methacrylate	8.60	69	45252	20.721	ug/l	98
57) 1,3-Dichloropropane	8.83	76	66655	21.034	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	42646	123.447	ug/l	94
59) 2-Hexanone	9.47	43	125895	112.208	ug/l	100
60) Dibromochloromethane	8.70	129	55360	20.045	ug/l	96
61) 1,2-Dibromoethane	8.96	107	42863	20.115	ug/l	98
64) Tetrachloroethene	8.13	164	65769	21.315	ug/l	94
65) Chlorobenzene	9.77	112	153627	19.913	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.91	131	68213	22.820	ug/l	98
67) Ethyl Benzene	9.88	91	278672	21.793	ug/l	98
68) m/p-Xylenes	10.11	106	211441	43.163	ug/l	98
69) o-Xylene	10.69	106	108469	20.563	ug/l	93
70) Styrene	10.77	104	153662	20.699	ug/l	99
71) Bromoform	10.76	173	31839	20.154	ug/l	97
73) Isopropylbenzene	11.10	105	325420	21.095	ug/l	99
74) N-amyl acetate	11.36	43	77045	21.694	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	48421	18.886	ug/l	94
76) 1,2,3-Trichloropropane	11.78	75	34954	19.975	ug/l	99
77) Bromobenzene	11.48	156	73652	19.838	ug/l	89
78) n-propylbenzene	11.58	91	365064	20.956	ug/l	98
79) 2-Chlorotoluene	11.70	91	207384	20.822	ug/l	99
80) 1,3,5-Trimethylbenzene	11.80	105	268402	21.671	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	17991m	22.484	ug/l	
82) 4-Chlorotoluene	11.88	91	213830	20.990	ug/l	99
83) tert-Butylbenzene	12.12	119	289716	22.029	ug/l	95
84) 1,2,4-Trimethylbenzene	12.19	105	262837	21.648	ug/l	92
85) sec-Butylbenzene	12.29	105	366781	21.431	ug/l	99
86) p-Isopropyltoluene	12.44	119	324015	22.273	ug/l	99
87) 1,3-Dichlorobenzene	12.45	146	154825	21.962	ug/l	94
88) 1,4-Dichlorobenzene	12.55	146	142916	21.016	ug/l	98
89) n-Butylbenzene	12.83	91	302846	21.783	ug/l	94
90) Hexachloroethane	12.90	117	74521	21.282	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	141110	21.127	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7409	19.155	ug/l	90

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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	101872	21.756	ug/l	99
94) Hexachlorobutadiene	14.18	225	65741	20.281	ug/l	96
95) Naphthalene	14.45	128	159759	19.156	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	90844	21.012	ug/l	92

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

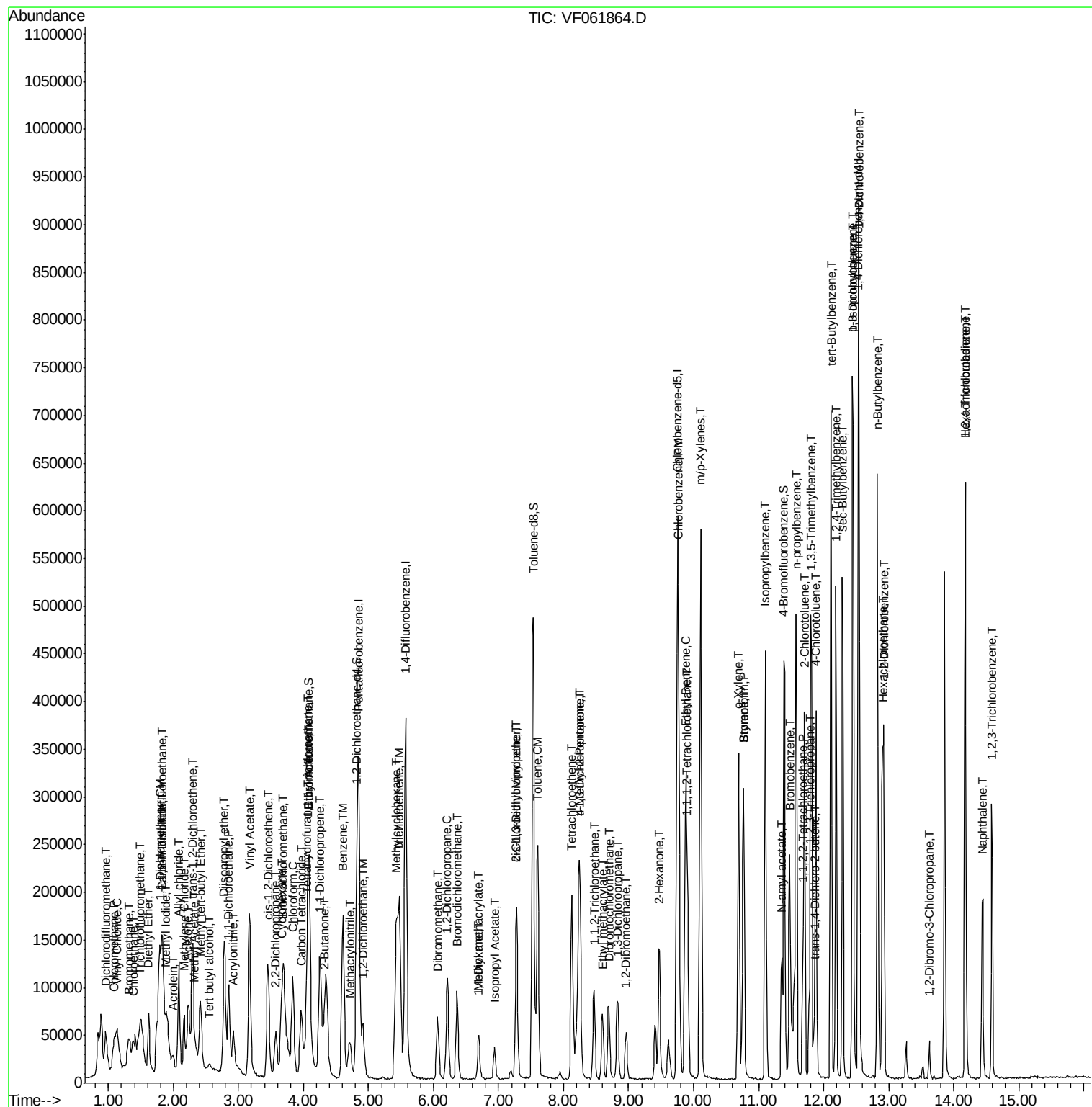
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061864.D
 Acq On : 8 Mar 2019 15:55
 Operator : VA/AP
 Sample : VF0308SBSD01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
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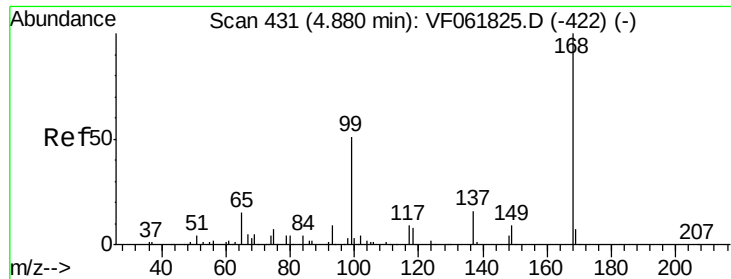
Instrument :
 MSVOA_F
 Client Sample Id :
 VF0308SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBSD01

Tot Ion:168 Resp: 326018

Ion Ratio Lower Upper

168 100

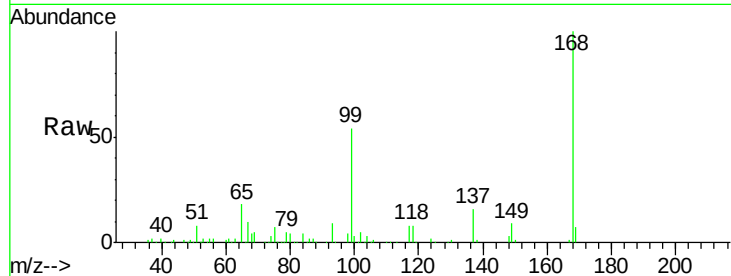
99 53.6 40.8 61.2

Manual Integrations

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3/11/2019 10:12:11 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

120000

100000

80000

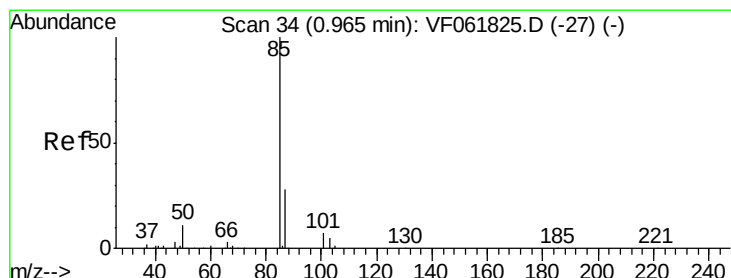
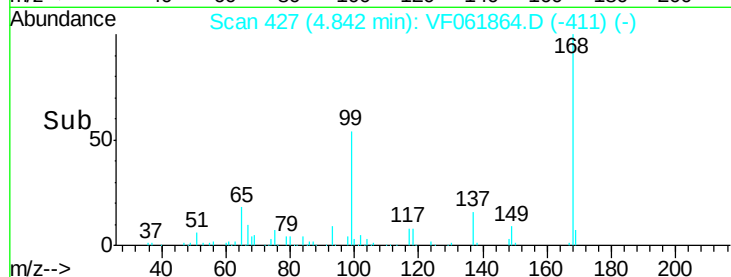
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.517 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061864.D

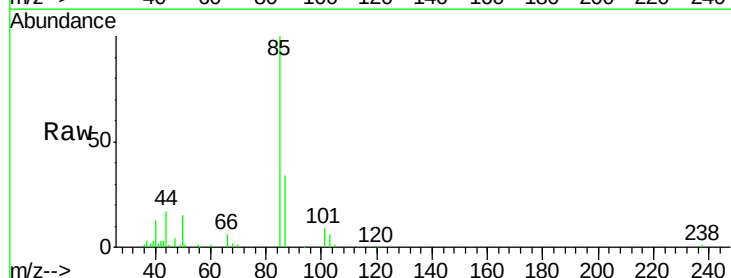
Acq: 8 Mar 2019 15:55

Tgt Ion: 85 Resp: 86123

Ion Ratio Lower Upper

85 100

87 33.5 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

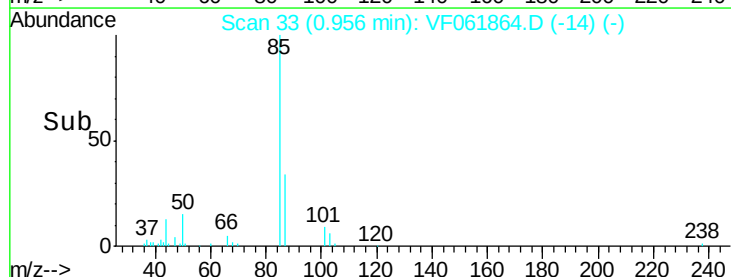
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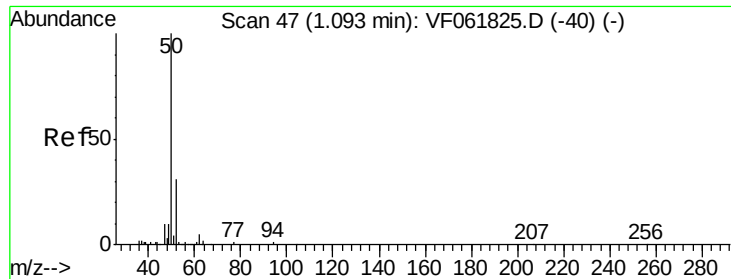
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.275 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBSD01

Tot Ion: 50 Resp: 82525

Ion Ratio Lower Upper

50 100

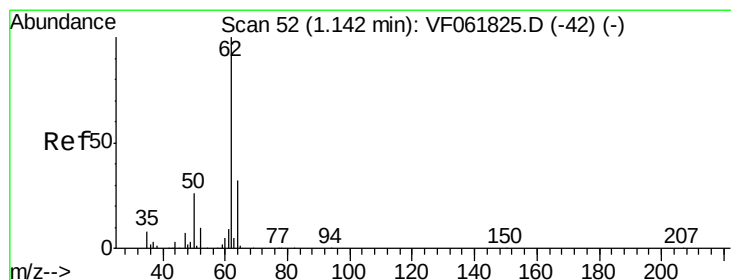
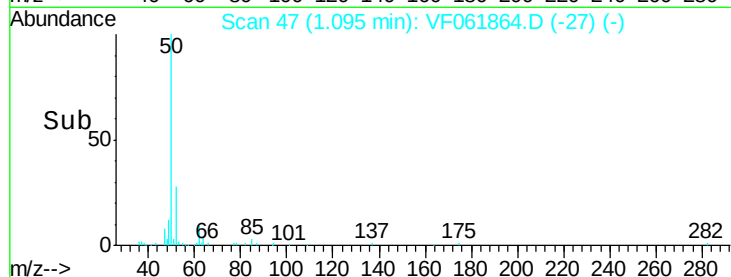
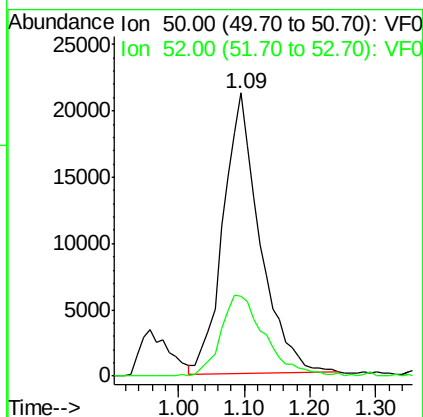
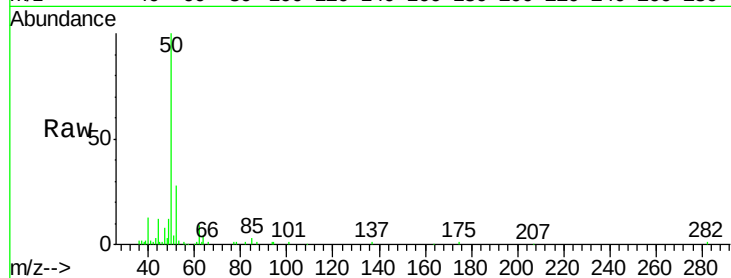
52 28.4 23.8 35.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.060 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061864.D

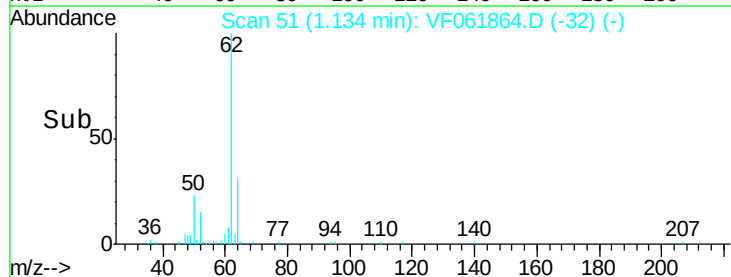
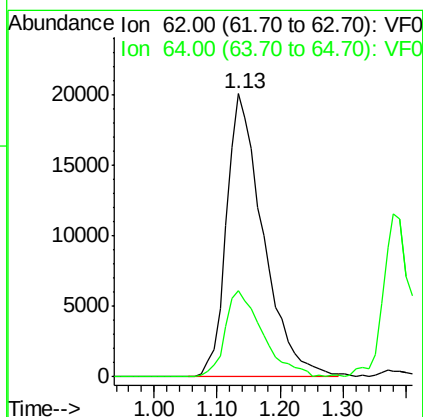
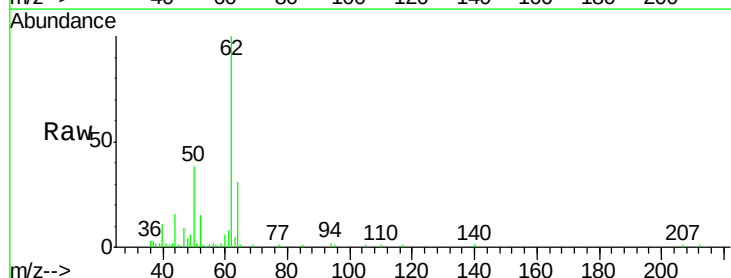
Acq: 8 Mar 2019 15:55

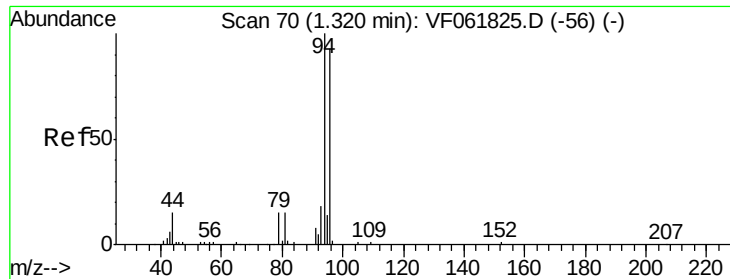
Tgt Ion: 62 Resp: 81231

Ion Ratio Lower Upper

62 100

64 30.6 25.2 37.8





#5

Bromomethane

Concen: 20.279 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBS01

Tot Ion: 94 Resp: 50890

Ion Ratio Lower Upper

94 100

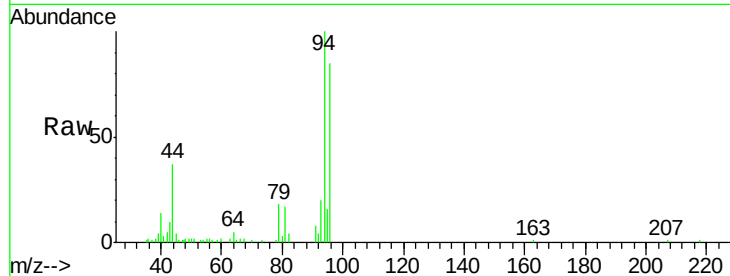
96 85.4 75.2 112.8

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.32

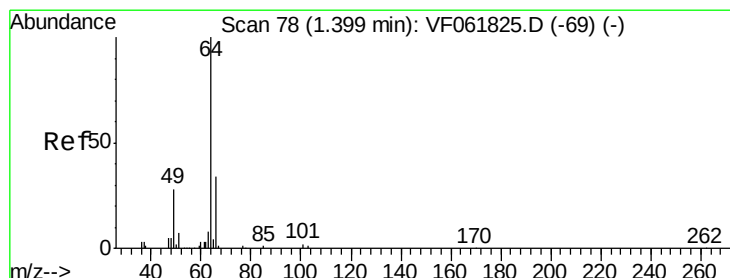
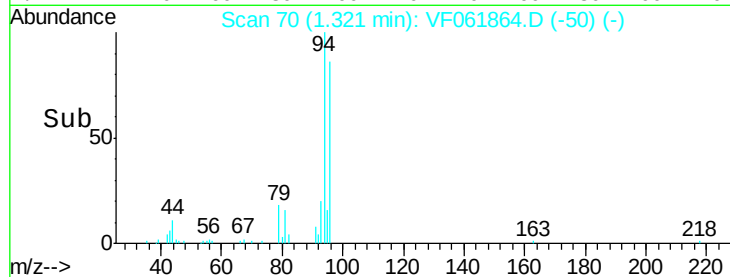
10000

5000

0

Time-->

1.20 1.30 1.40 1.50



#6

Chloroethane

Concen: 21.755 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.02 min

Lab File: VF061864.D

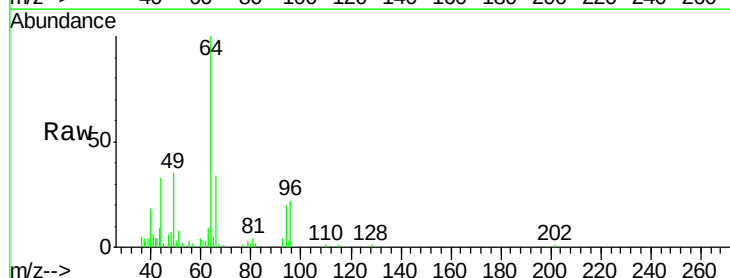
Acq: 8 Mar 2019 15:55

Tgt Ion: 64 Resp: 38079

Ion Ratio Lower Upper

64 100

66 34.3 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.38

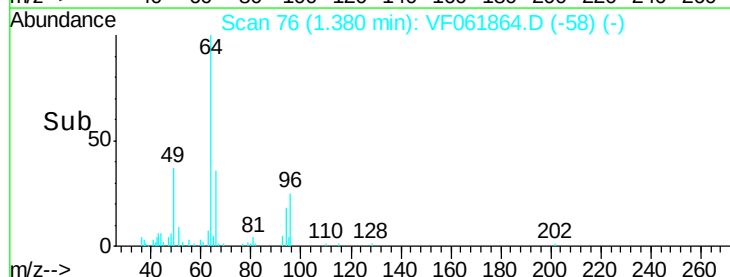
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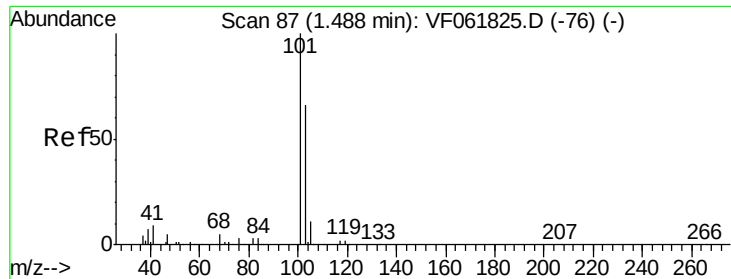
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0

Time-->

1.20 1.30 1.40 1.50 1.60





#7

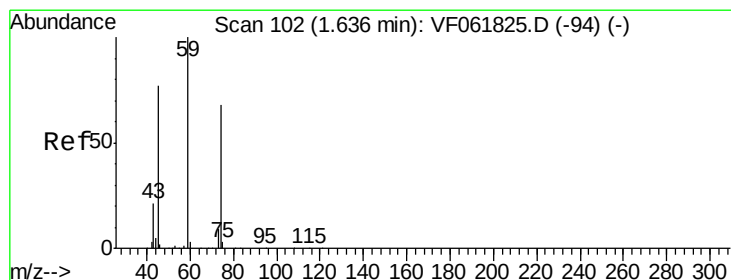
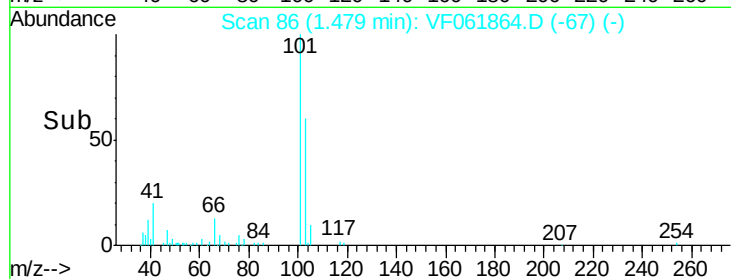
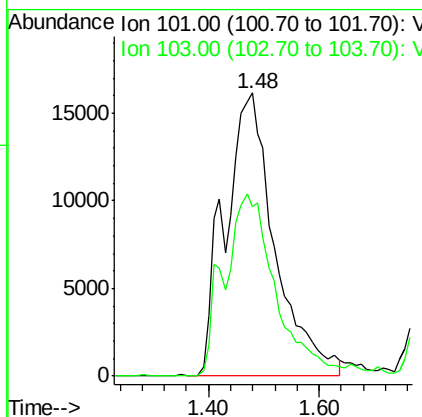
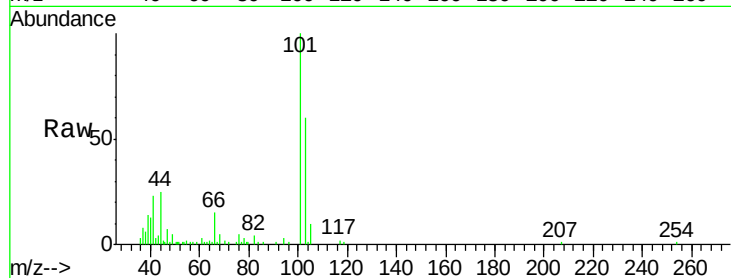
Trichlorofluoromethane
 Concen: 22.587 ug/l m
 RT: 1.48 min Scan# 86
 Delta R.T. -0.01 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Instrument :
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 ClientSampleId :
 VF0308SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	52.8	79.2

Manual Integrations
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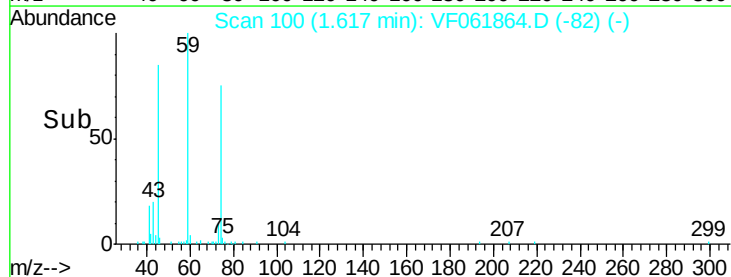
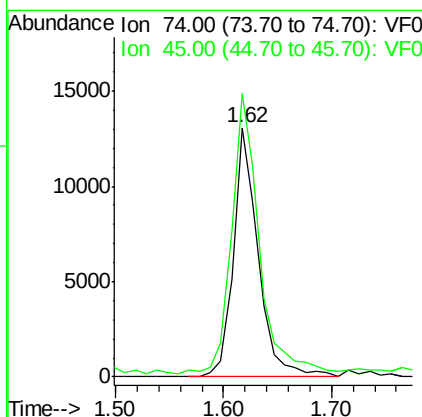
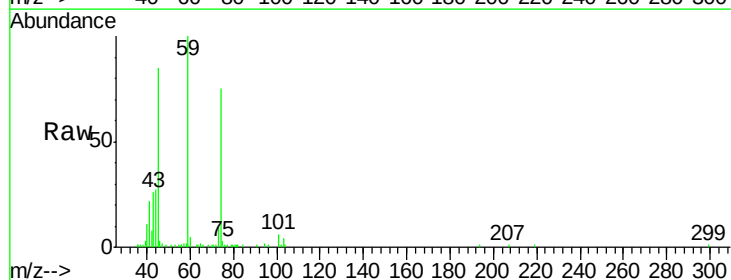
MMDadoda
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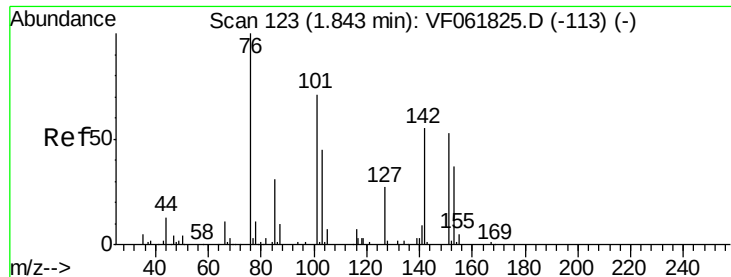


#8

Diethyl Ether
 Concen: 20.433 ug/l
 RT: 1.62 min Scan# 100
 Delta R.T. -0.02 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.7	57.2	171.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.547 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061864.D

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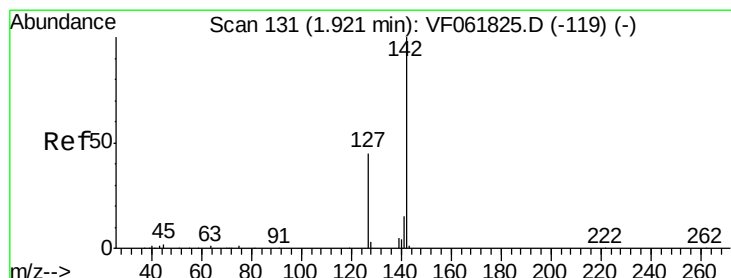
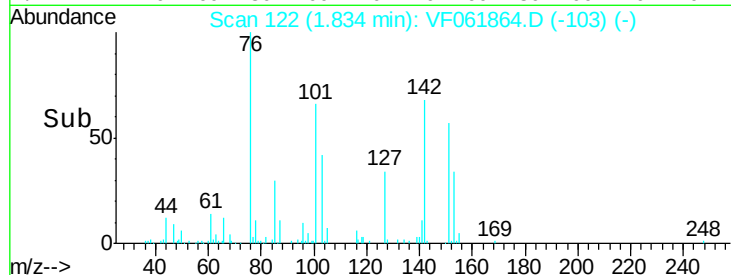
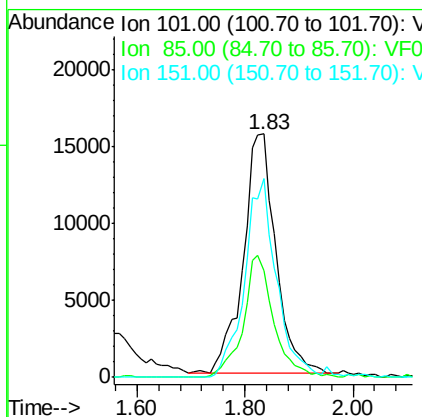
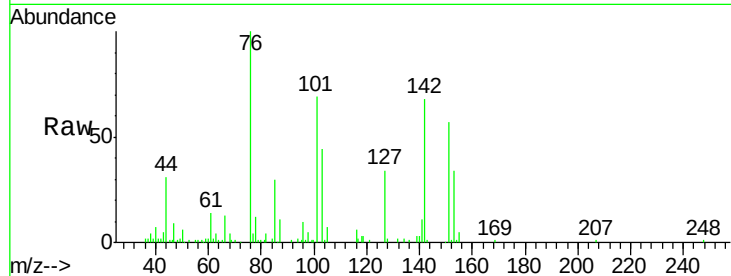
ClientSampleId :

VF0308SBSD01

Tot Ion:	101	Resp:	65806
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.0	51.0
151	81.9	57.3	85.9

Manual Integrations
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#10

Methyl Iodide

Concen: 21.439 ug/l m

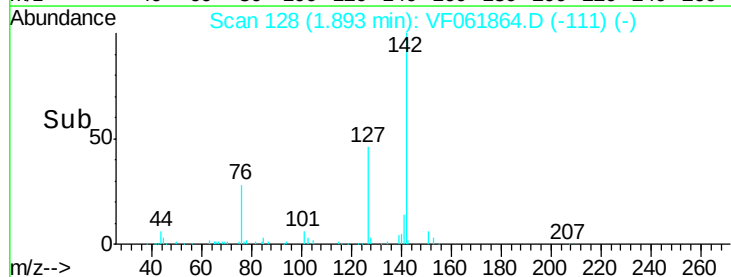
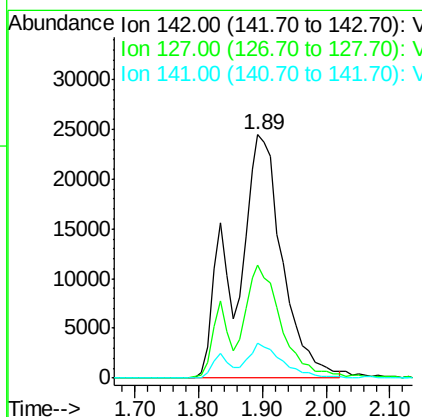
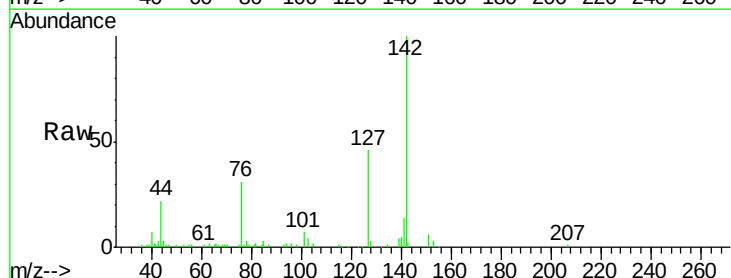
RT: 1.89 min Scan# 128

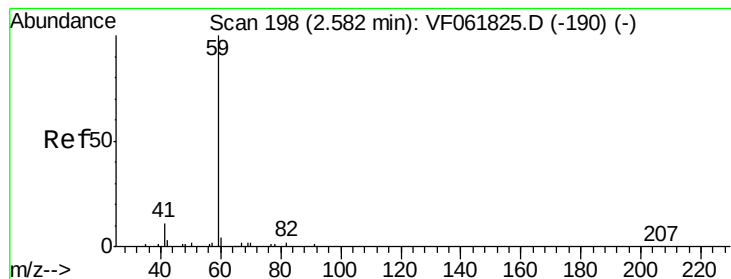
Delta R.T. -0.03 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Tgt Ion:	142	Resp:	124600
Ion Ratio	Lower	Upper	
142	100		
127	46.3	35.8	53.6
141	14.4	11.7	17.5





#11

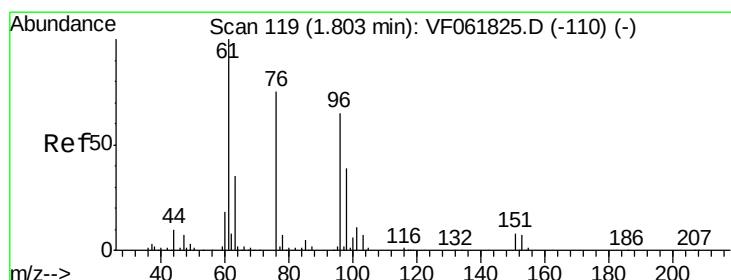
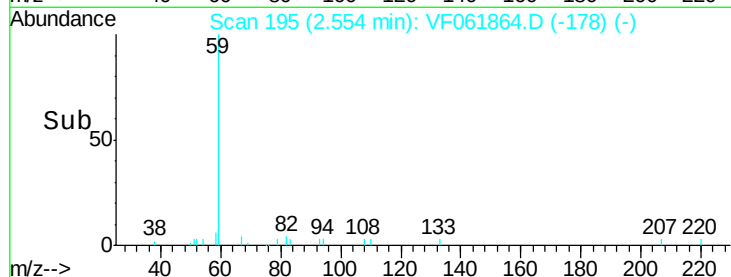
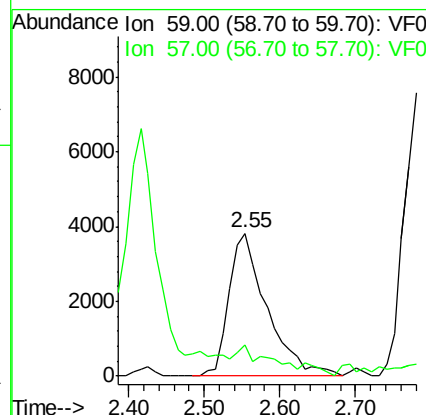
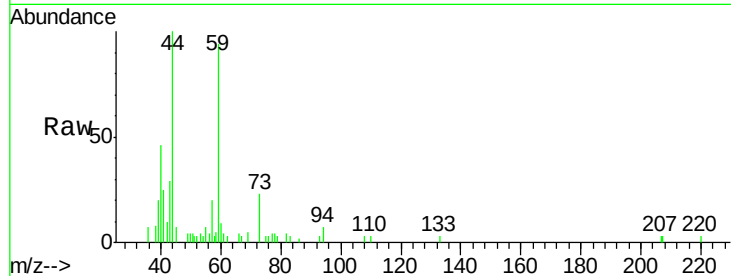
Tert butyl alcohol
Concen: 99.022 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBS01

Tot Ion: 59 Resp: 13344
Ion Ratio Lower Upper
59 100
57 21.5 11.8 17.6#

Manual Integrations
APPROVED

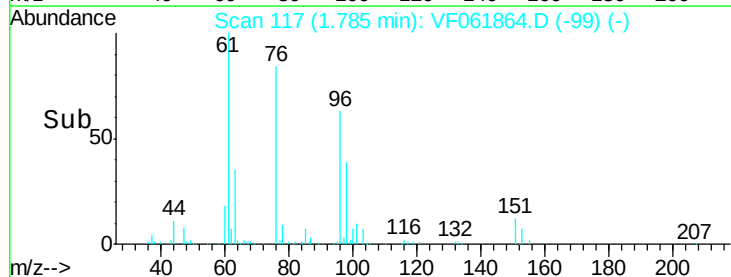
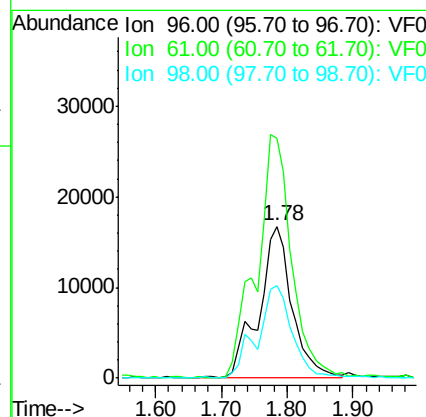
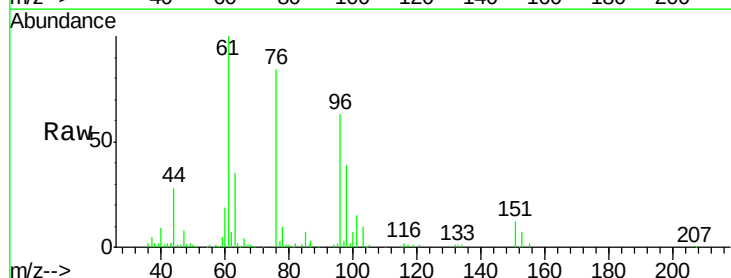
MMDadoda
3/11/2019 10:12:11 AM

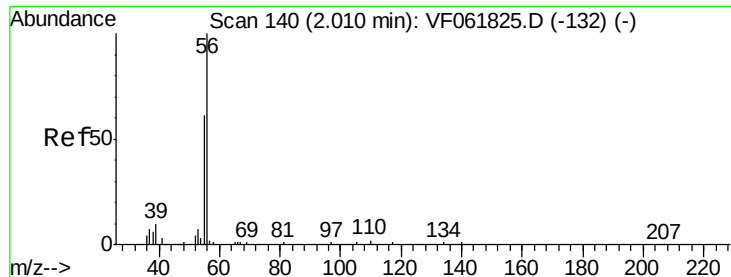


#12

1,1-Dichloroethene
Concen: 21.501 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion: 96 Resp: 59949
Ion Ratio Lower Upper
96 100
61 158.4 122.5 183.7
98 61.3 47.1 70.7





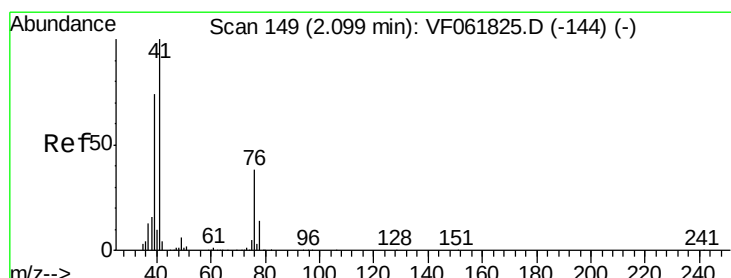
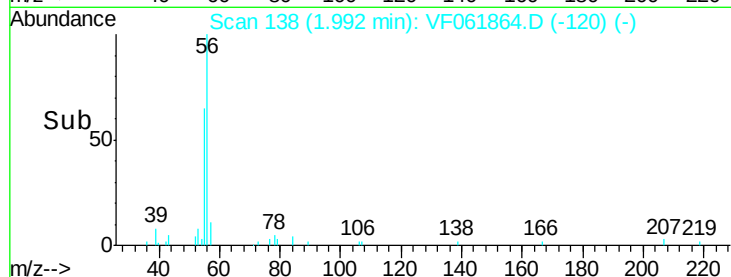
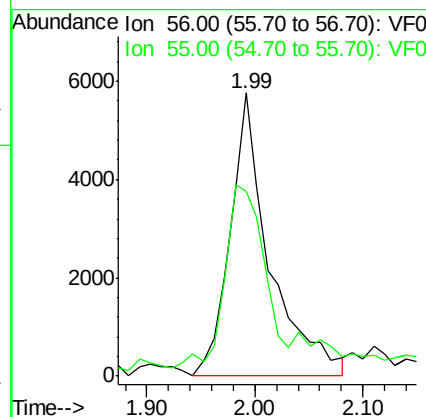
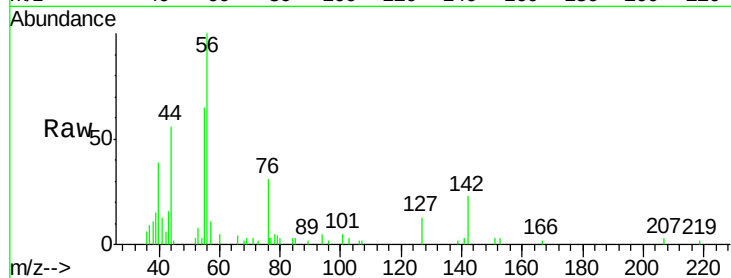
#13
Acrolein
Concen: 86.007 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.02 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	65.1	51.3	76.9	

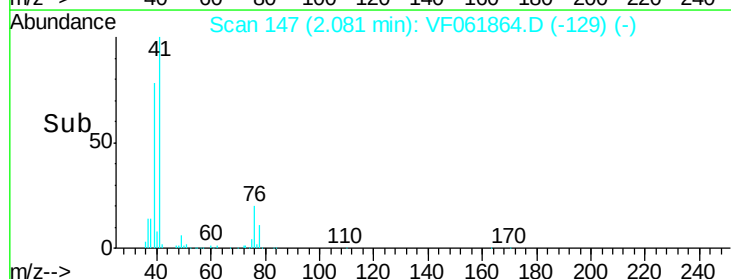
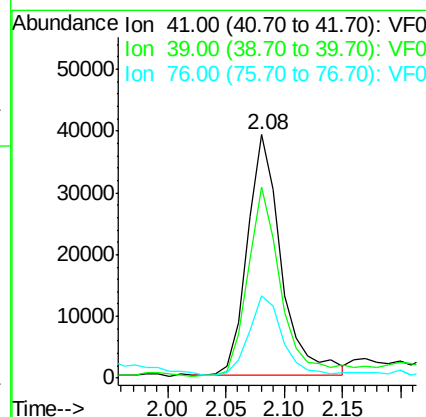
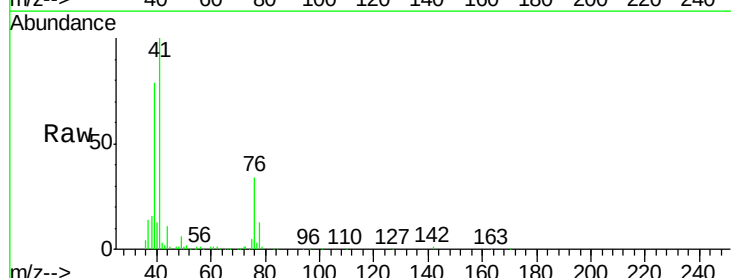
Manual Integrations
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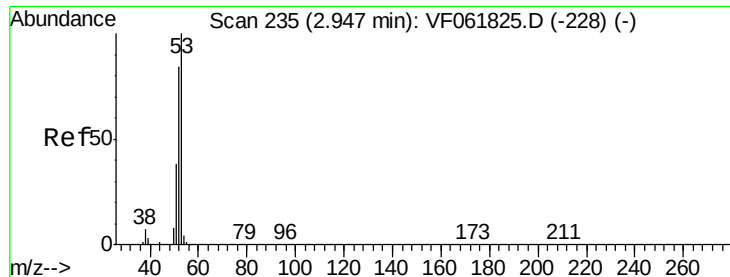
MMDadoda
3/11/2019 10:12:11 AM



#14
Allyl chloride
Concen: 25.835 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.02 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	78.7	59.6	89.4	
76	33.7	32.3	48.5	





#15

Acrylonitrile

Concen: 100.143 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

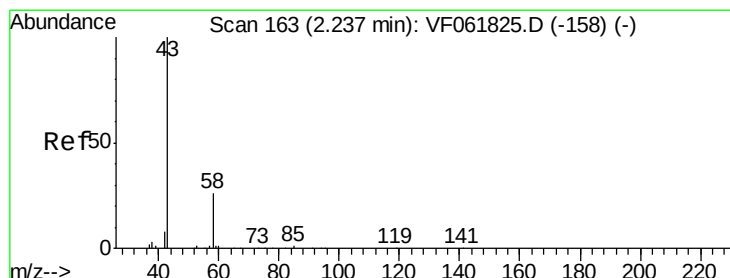
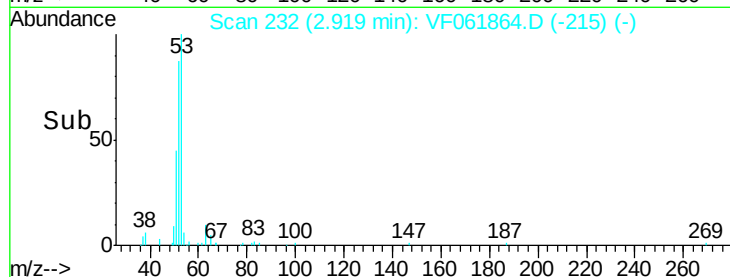
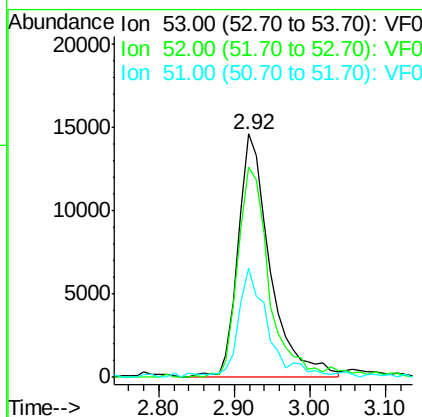
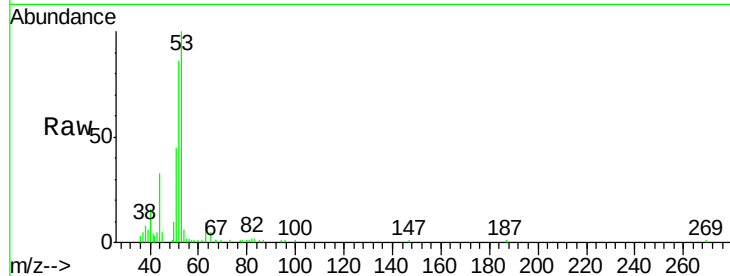
ClientSampleId :

VF0308SBS01

Tot Ion:	53	Resp:	42972
Ion	Ratio	Lower	Upper
53	100		
52	86.4	67.4	101.0
51	44.9	30.7	46.1

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3/11/2019 10:12:11 AM



#16

Acetone

Concen: 114.001 ug/l

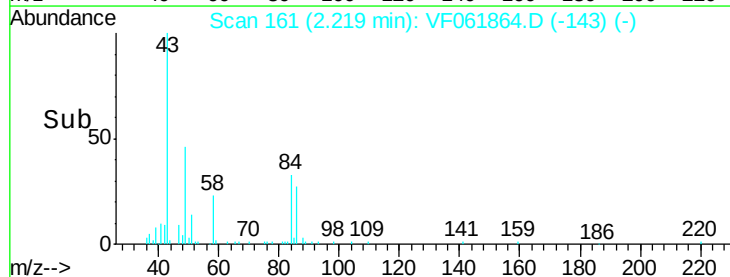
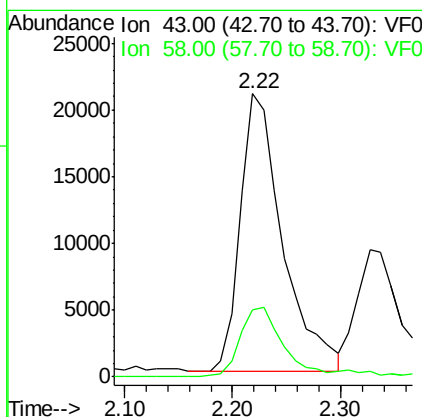
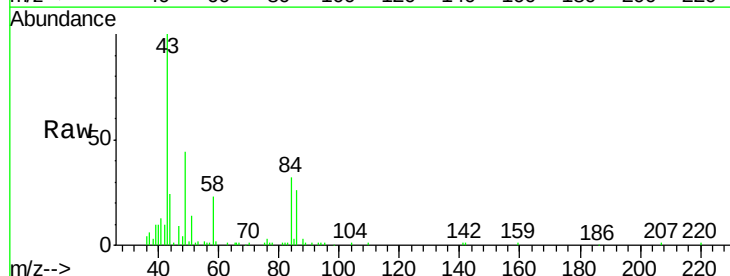
RT: 2.22 min Scan# 161

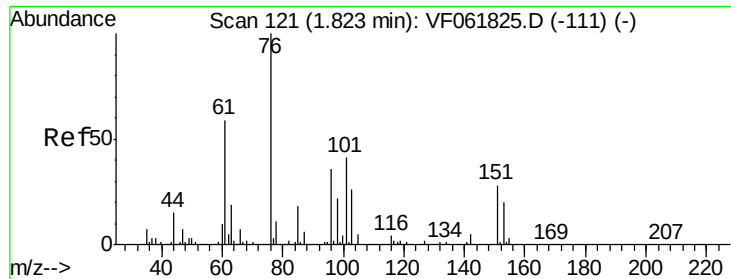
Delta R.T. -0.02 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Tgt Ion:	43	Resp:	56696
Ion	Ratio	Lower	Upper
43	100		
58	23.5	20.3	30.5





#17

Carbon Disulfide

Concen: 21.749 ug/l m

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBSD01

Tot Ion: 76 Resp: 188764

Ion Ratio Lower Upper

76 100

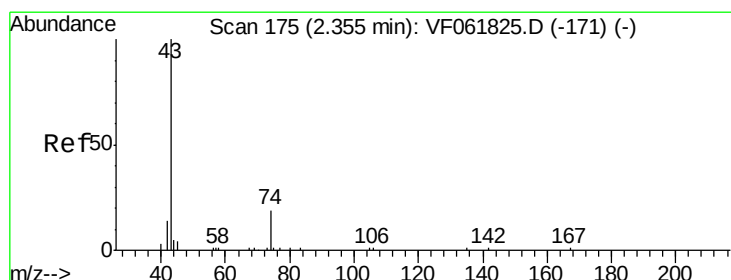
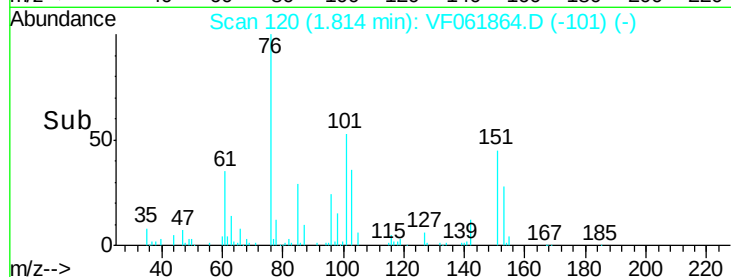
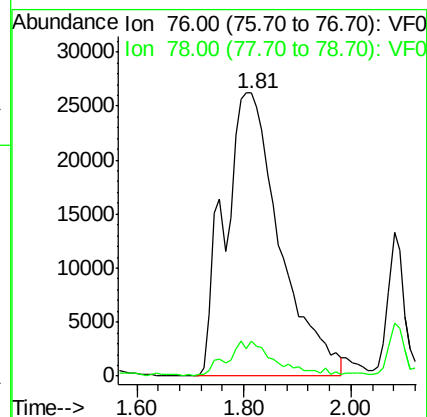
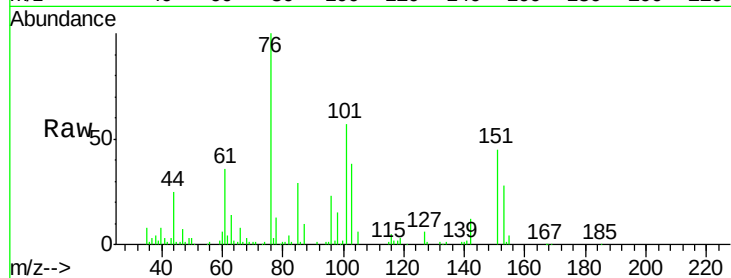
78 12.6 9.1 13.7

Manual Integrations

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MMDadoda

3/11/2019 10:12:11 AM



#18

Methyl Acetate

Concen: 21.231 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.03 min

Lab File: VF061864.D

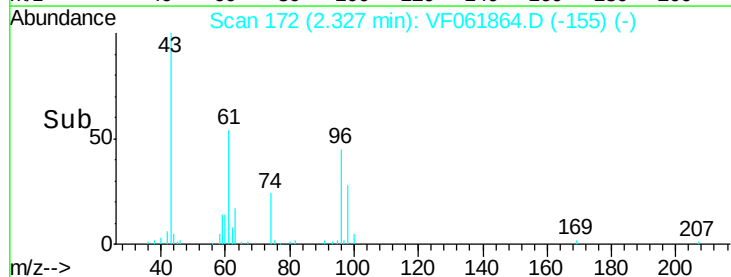
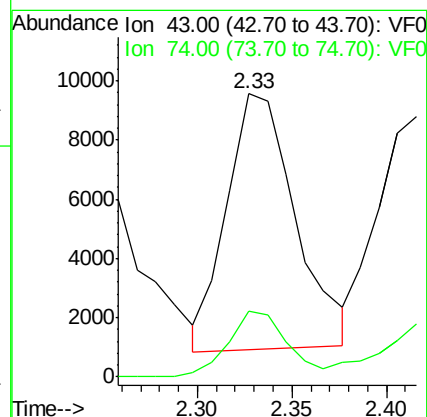
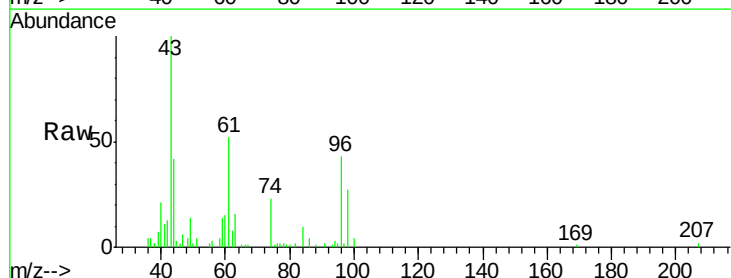
Acq: 8 Mar 2019 15:55

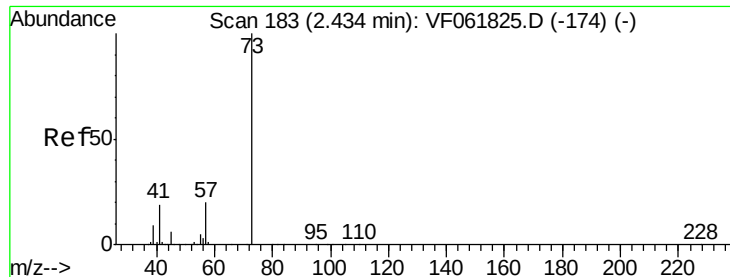
Tgt Ion: 43 Resp: 21839

Ion Ratio Lower Upper

43 100

74 23.4 13.2 19.8#





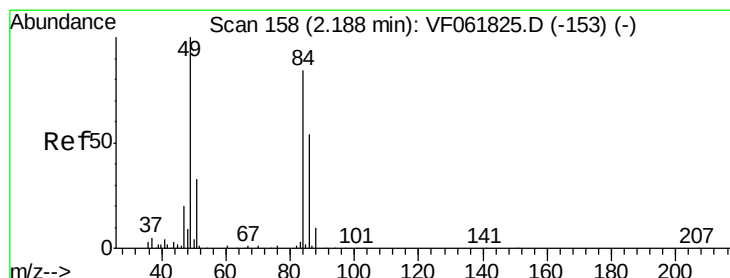
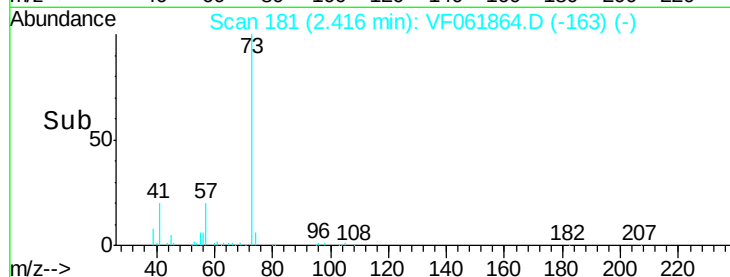
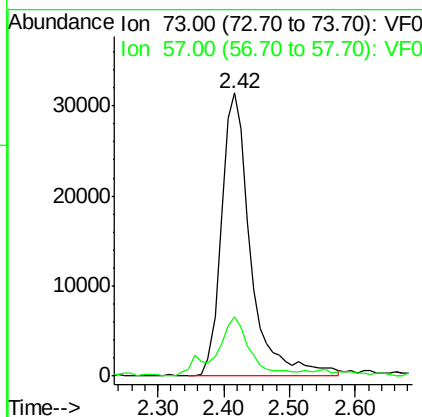
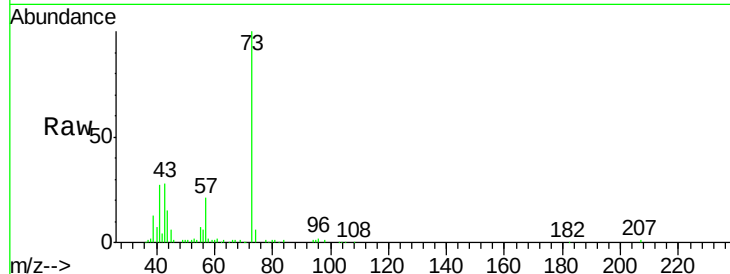
#19
Methyl tert-butyl Ether
Concen: 20.673 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.1	24.1

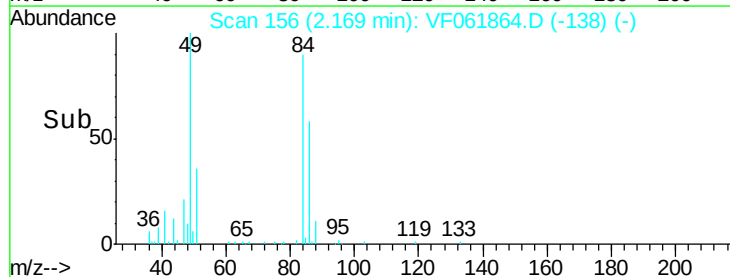
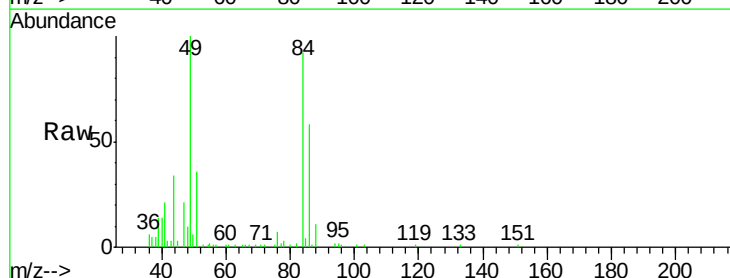
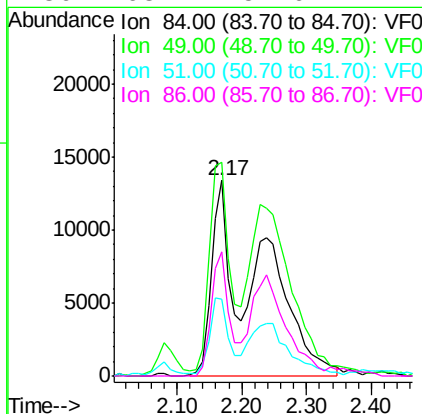
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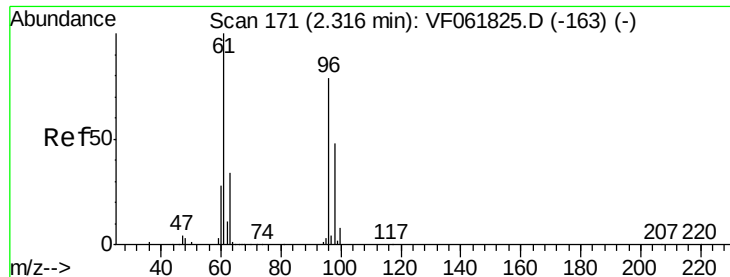
MMDadoda
3/11/2019 10:12:11 AM



#20
Methylene Chloride
Concen: 20.743 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.3	96.8	145.2
51	39.3	31.8	47.6
86	63.4	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 23.587 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBS01

Tot Ion: 96 Resp: 61896

Ion Ratio Lower Upper

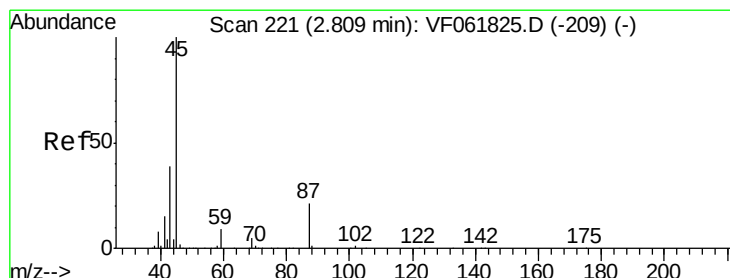
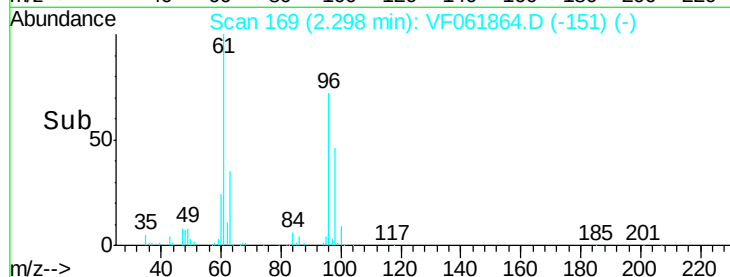
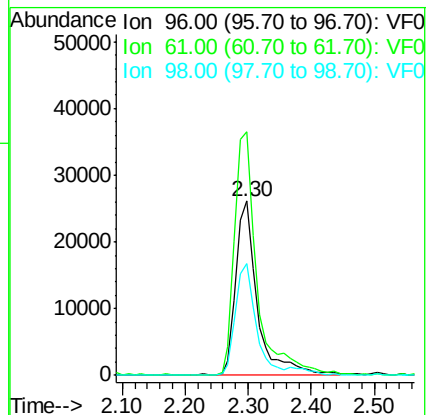
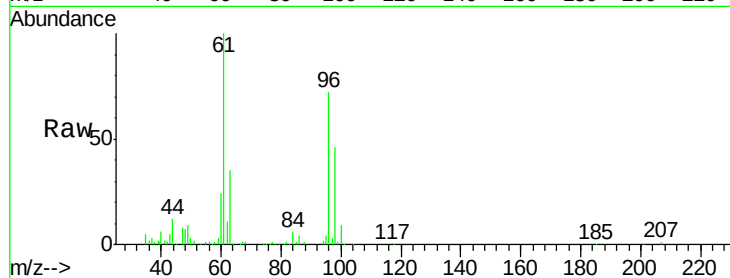
96 100

61 139.6 101.0 151.6

98 64.2 48.8 73.2

Manual Integrations
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MMDadoda
3/11/2019 10:12:11 AM



#22

Diisopropyl ether

Concen: 23.160 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Tgt Ion: 45 Resp: 185057

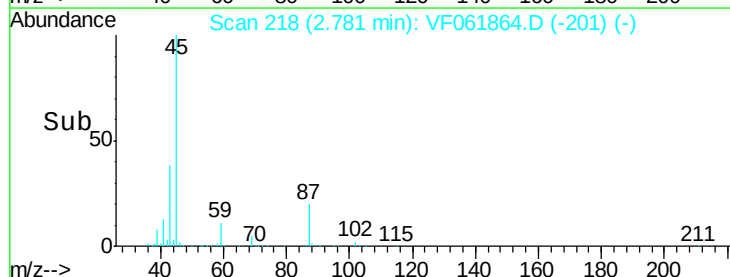
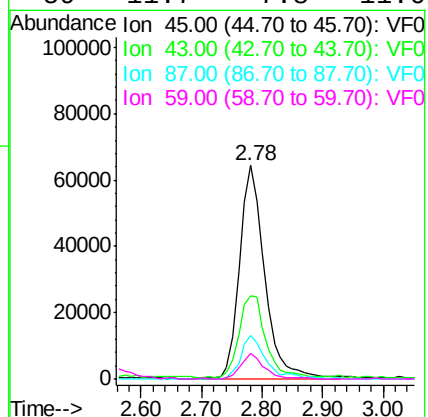
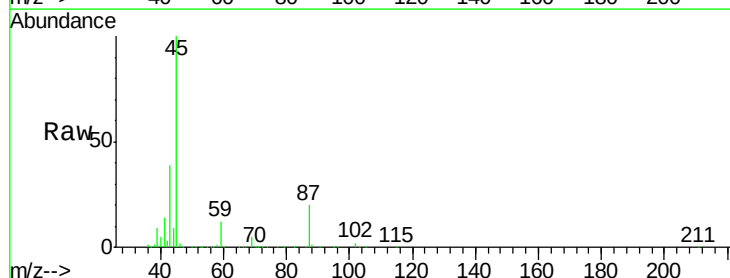
Ion Ratio Lower Upper

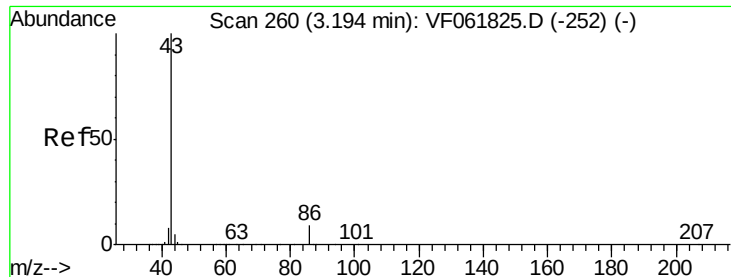
45 100

43 39.1 31.8 47.8

87 20.4 17.1 25.7

59 11.7 7.8 11.6#





#23

Vinyl Acetate

Concen: 104.564 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBSD01

Tot Ion: 43 Resp: 373248

Ion Ratio Lower Upper

43 100

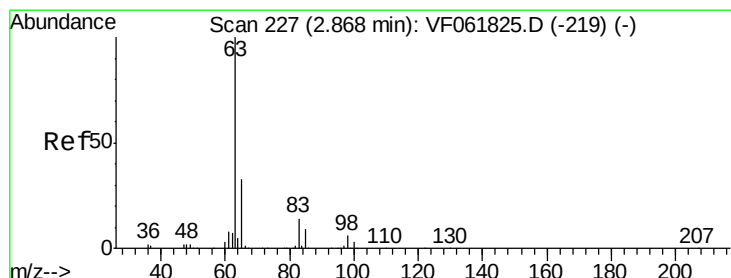
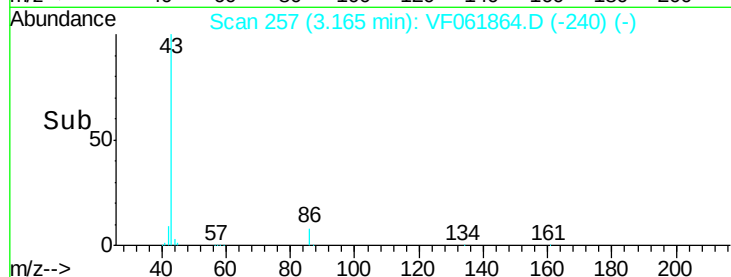
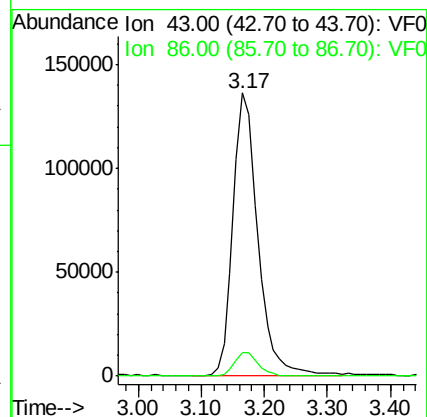
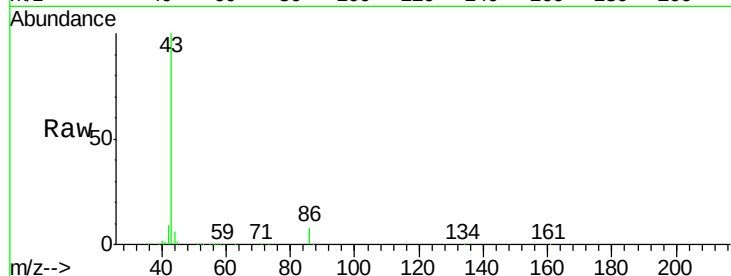
86 8.5 7.0 10.4

Manual Integrations

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MMDadoda

3/11/2019 10:12:11 AM



#24

1,1-Dichloroethane

Concen: 22.445 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.02 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

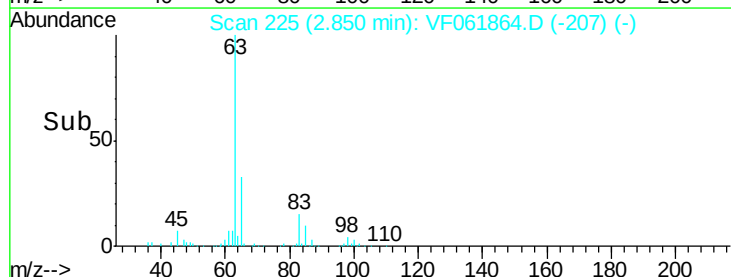
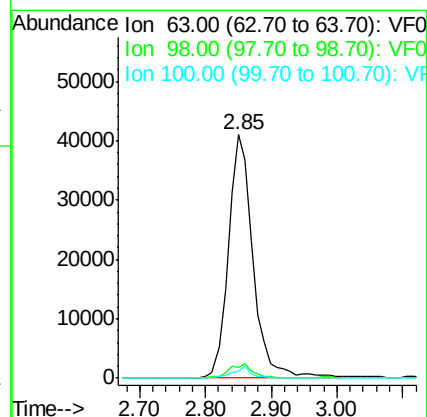
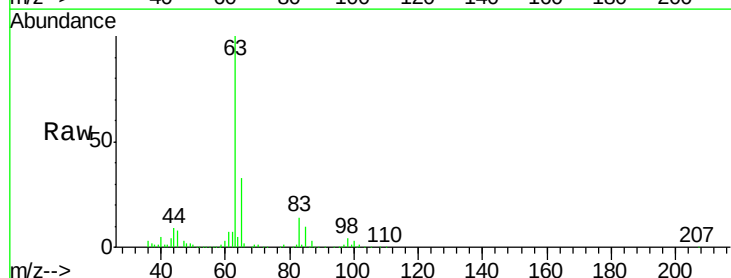
Tgt Ion: 63 Resp: 107194

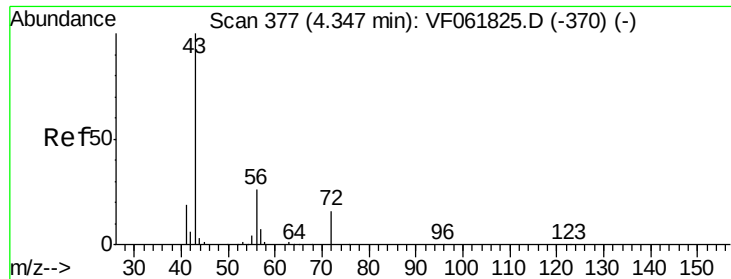
Ion Ratio Lower Upper

63 100

98 4.5 2.9 8.6

100 2.8 1.8 5.3





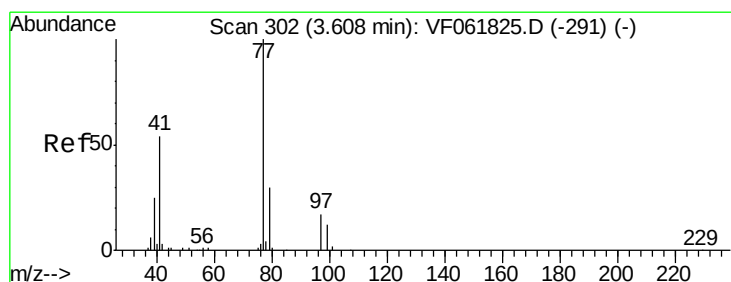
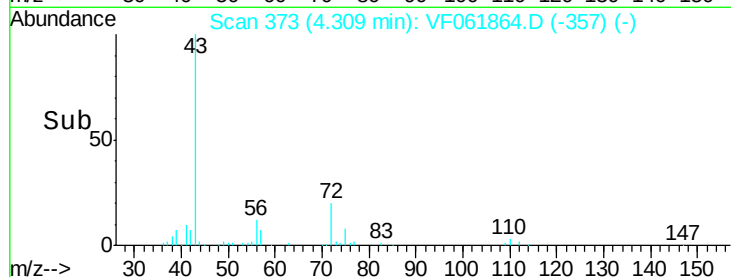
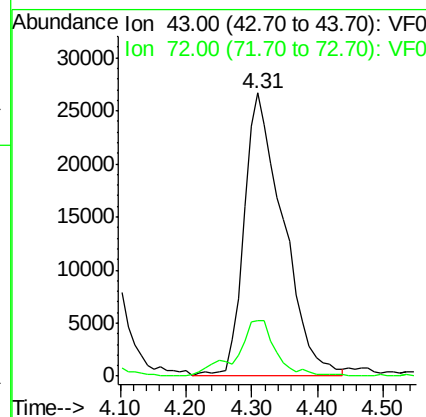
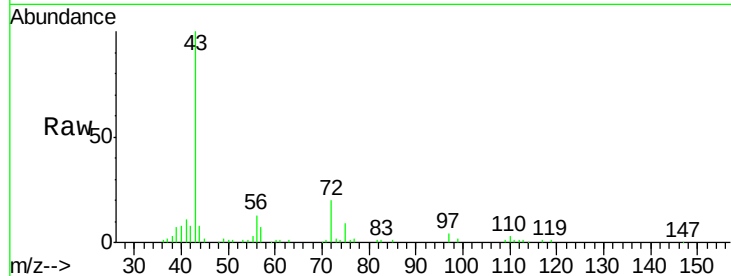
#25
2-Butanone
Concen: 110.076 ug/l
RT: 4.31 min Scan# 373
Delta R.T. -0.04 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion: 43 Resp: 111354
Ion Ratio Lower Upper
43 100
72 19.7 16.2 24.4

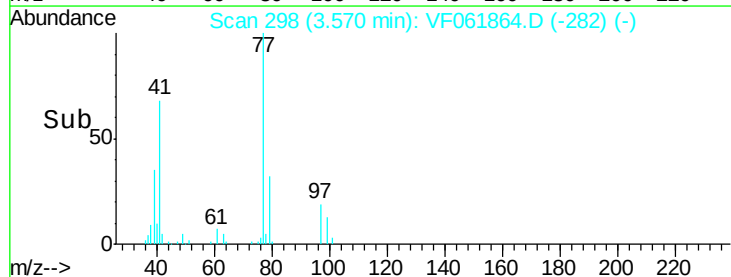
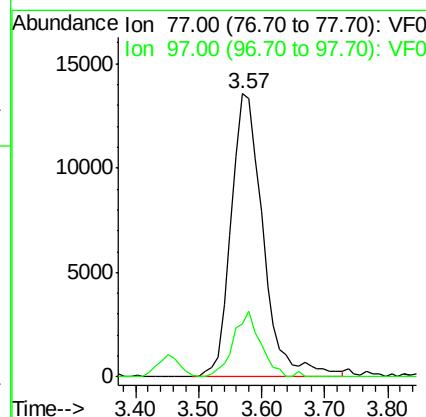
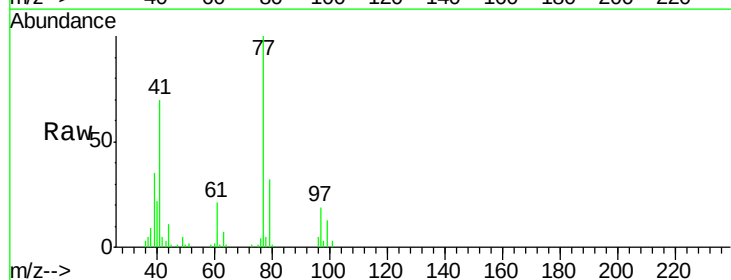
Manual Integrations
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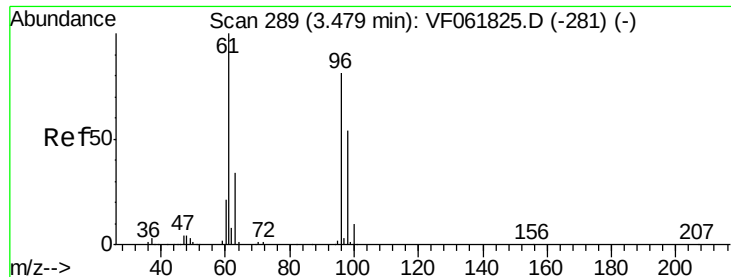
MMDadoda
3/11/2019 10:12:11 AM



#26
2,2-Dichloropropane
Concen: 22.428 ug/l
RT: 3.57 min Scan# 298
Delta R.T. -0.04 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion: 77 Resp: 47816
Ion Ratio Lower Upper
77 100
97 18.9 10.4 31.4





#27

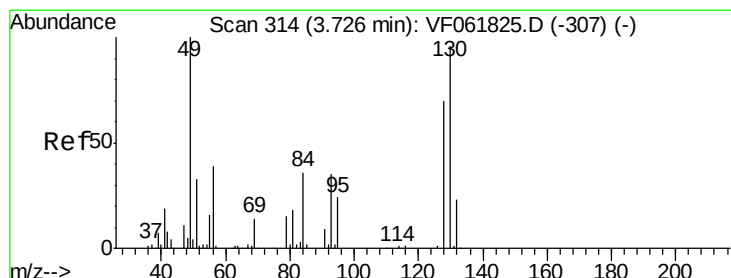
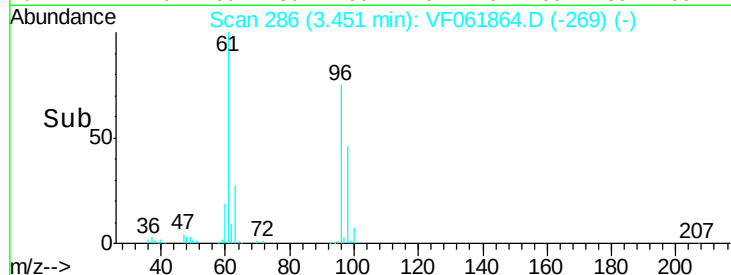
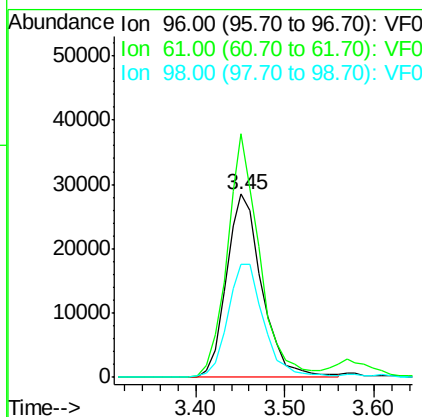
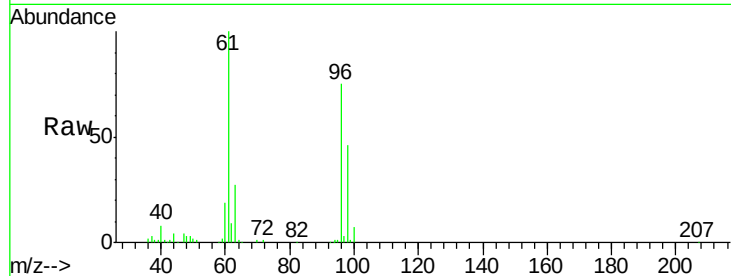
cis-1,2-Dichloroethene
 Concen: 21.829 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.03 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0308SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	0.0	245.8
98	61.6	0.0	132.6

Manual Integrations
 APPROVED

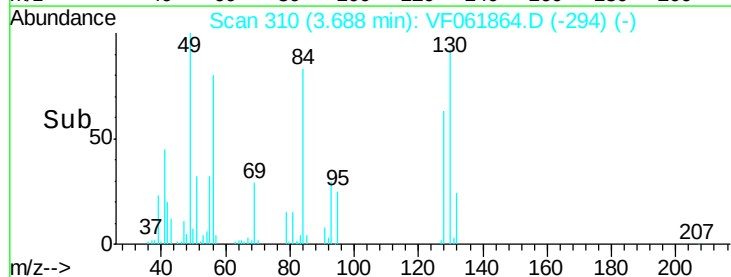
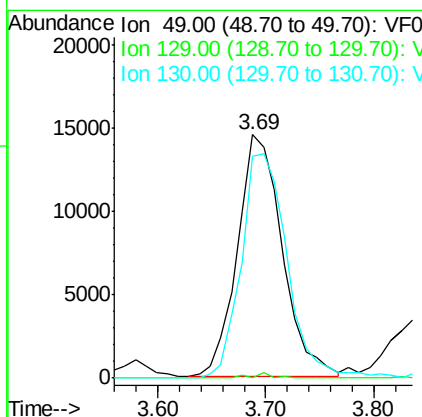
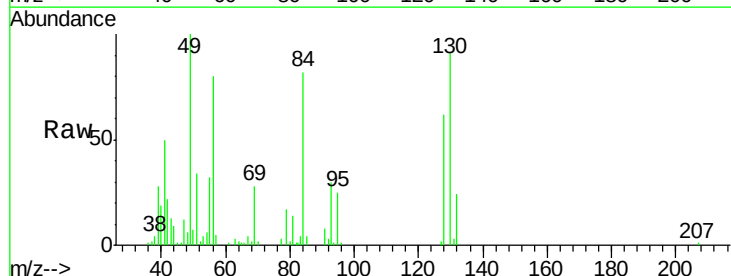
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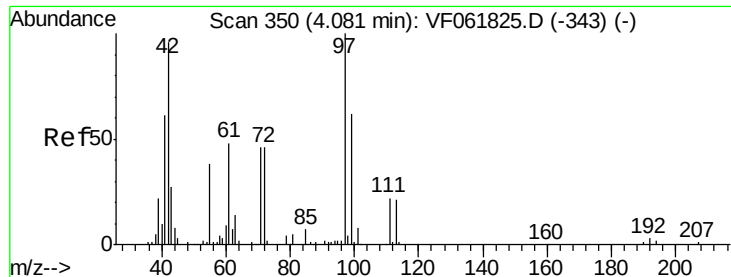


#28

Bromochloromethane
 Concen: 20.247 ug/l
 RT: 3.69 min Scan# 310
 Delta R.T. -0.04 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	90.9	76.9	115.3





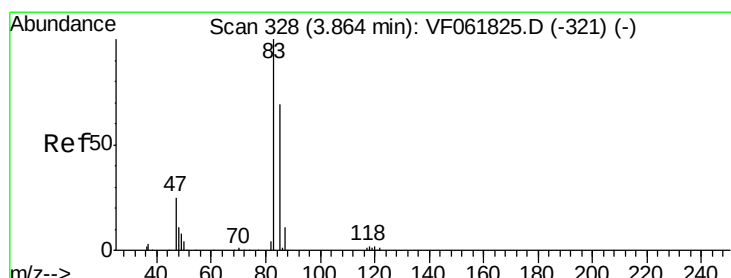
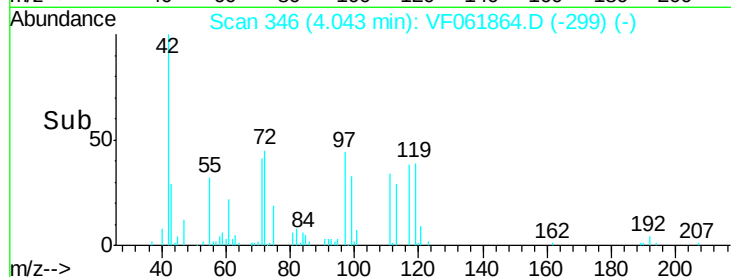
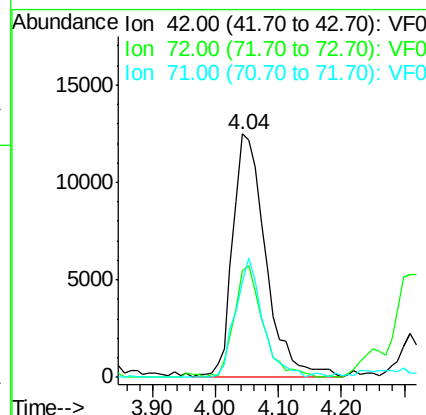
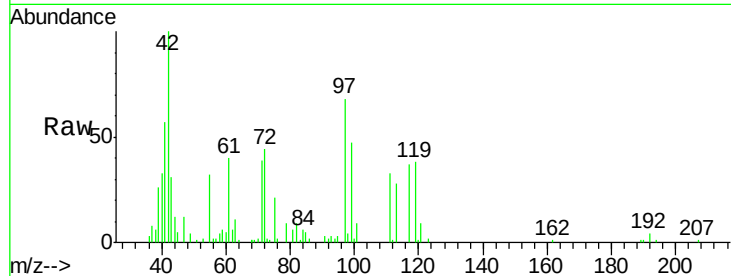
#29
Tetrahydrofuran
Concen: 104.113 ug/l
RT: 4.04 min Scan# 346
Delta R.T. -0.04 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	34.4	51.6
71	39.7	34.6	52.0

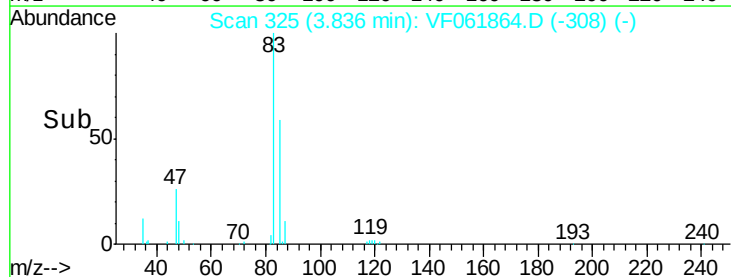
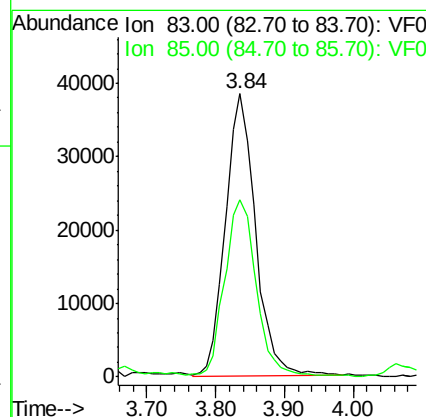
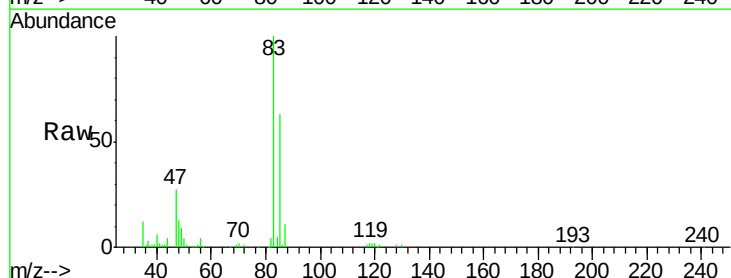
Manual Integrations
APPROVED

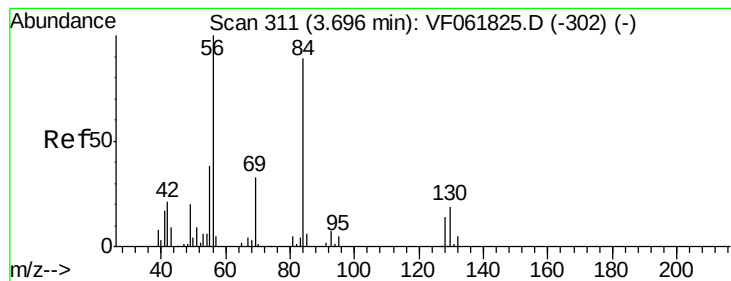
MMDadoda
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#30
Chloroform
Concen: 21.322 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	55.3	82.9





#31

Cyclohexane

Concen: 20.670 ug/l m

RT: 3.66 min Scan# 307

Delta R.T. -0.04 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

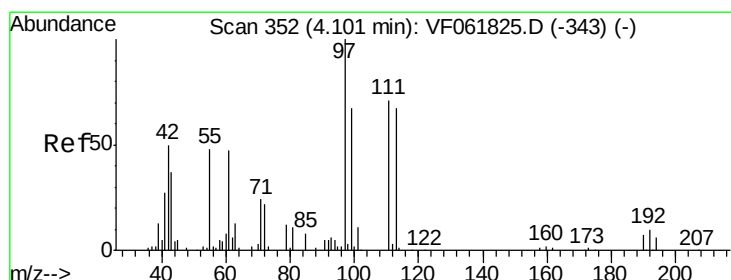
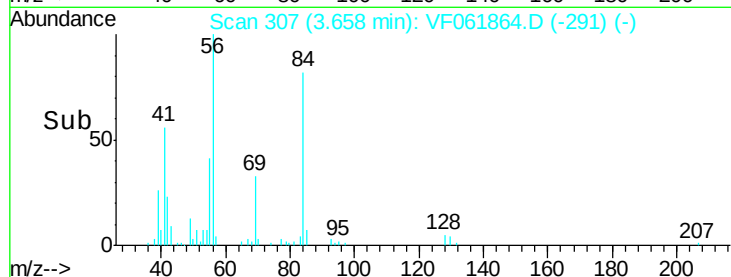
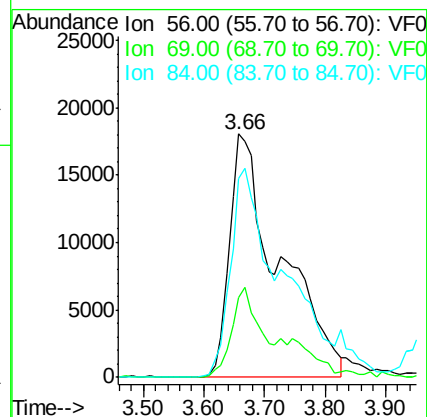
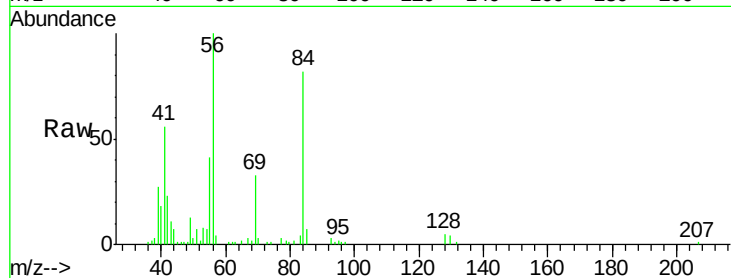
ClientSampleId :

VF0308SBS01

Tot Ion:	56	Resp:	103396
Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.0	39.0
84	81.6	71.0	106.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 23.492 ug/l

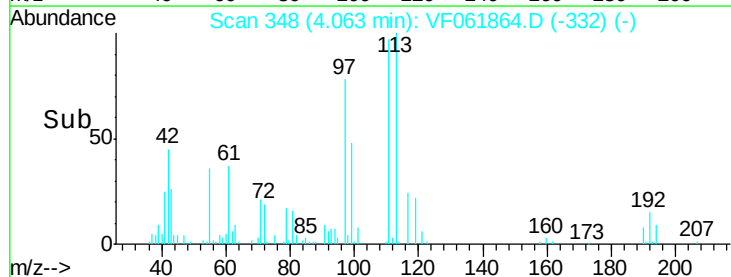
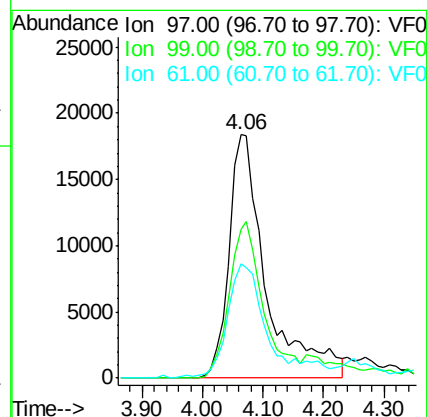
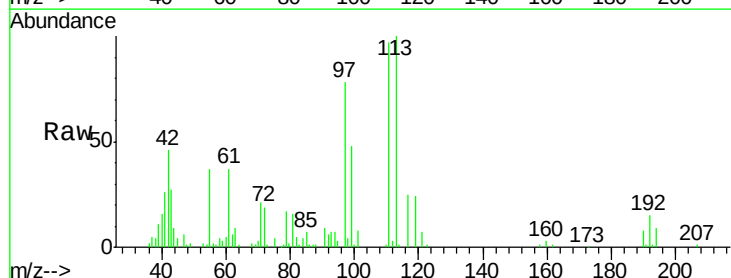
RT: 4.06 min Scan# 348

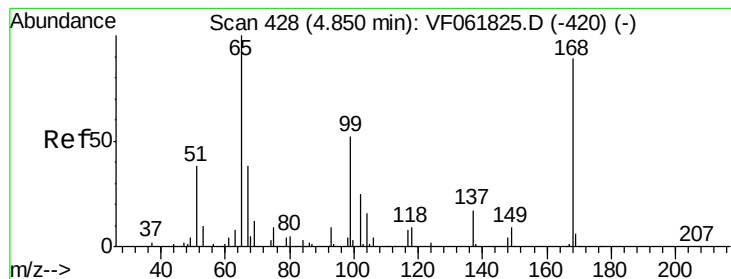
Delta R.T. -0.04 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Tgt Ion:	97	Resp:	78991
Ion	Ratio	Lower	Upper
97	100		
99	61.4	53.8	80.8
61	46.9	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 46.303 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.04 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Tot Ion: 65 Resp: 109934

Ion Ratio Lower Upper

65 100

67 50.8 0.0 108.6

Instrument :

MSVOA_F

ClientSampleId :

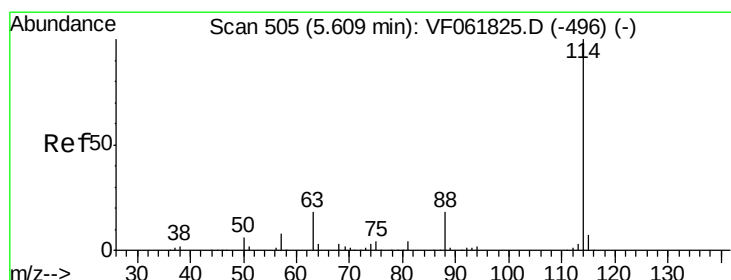
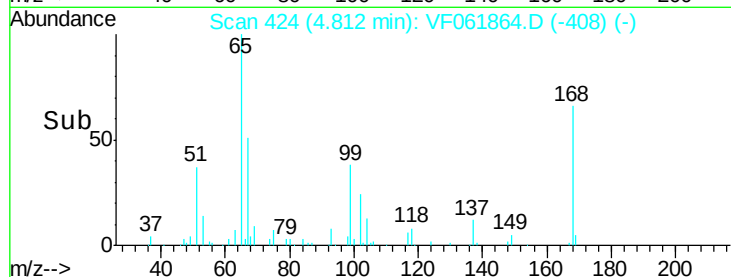
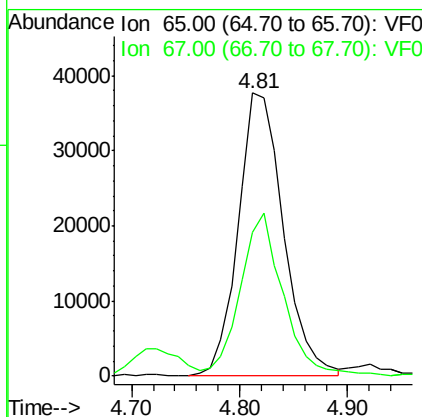
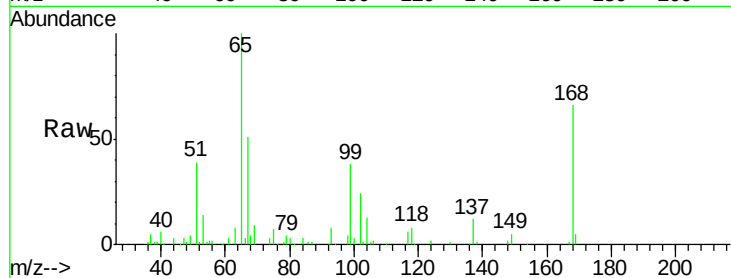
VF0308SBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

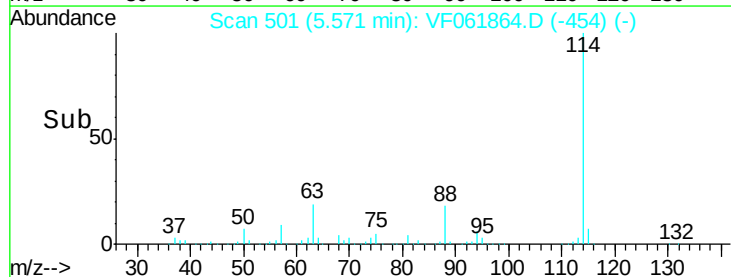
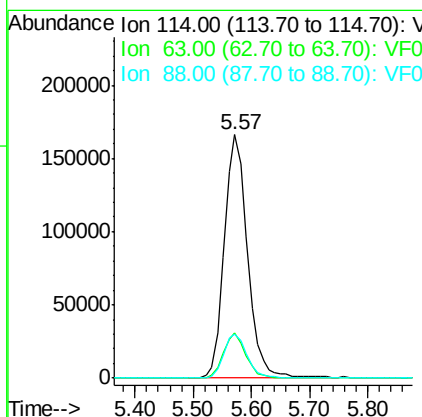
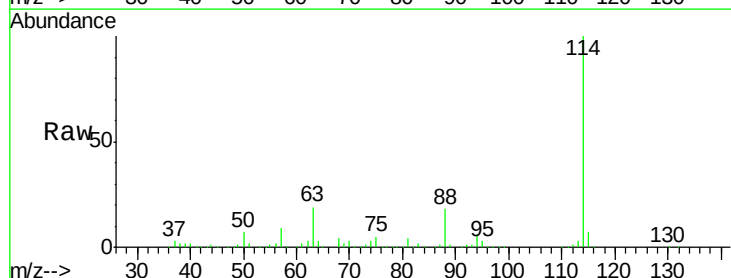
Tgt Ion: 114 Resp: 460430

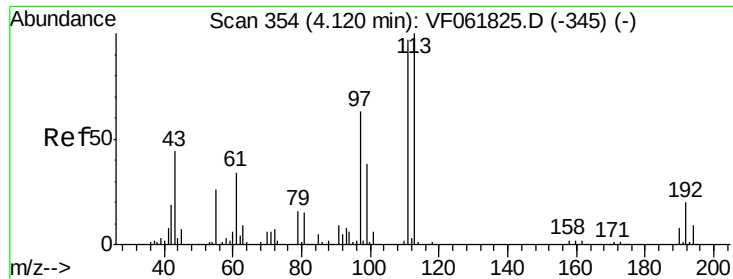
Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.6

88 18.2 0.0 35.6





#35

Dibromofluoromethane

Concen: 47.401 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

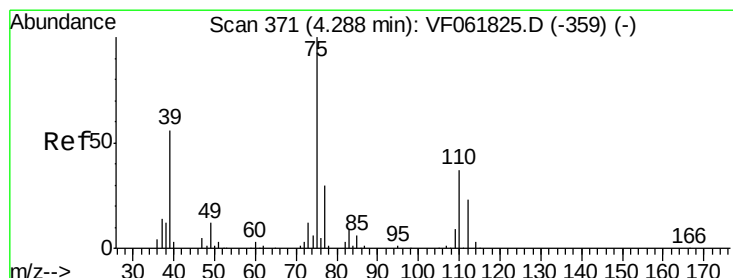
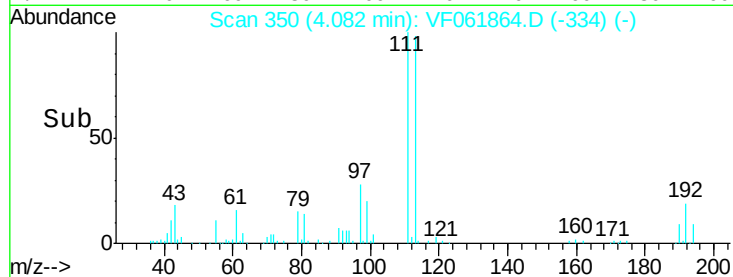
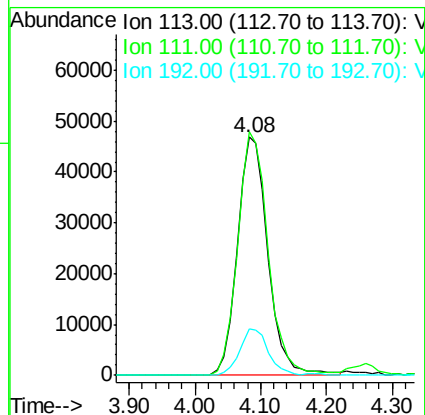
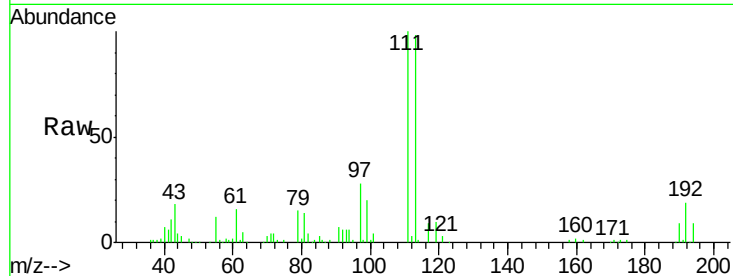
ClientSampleId :

VF0308SBSD01

Tot Ion:	113	Resp:	152309
Ion Ratio	Lower	Upper	
113	100		
111	102.3	77.6	116.4
192	20.1	15.9	23.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.973 ug/l

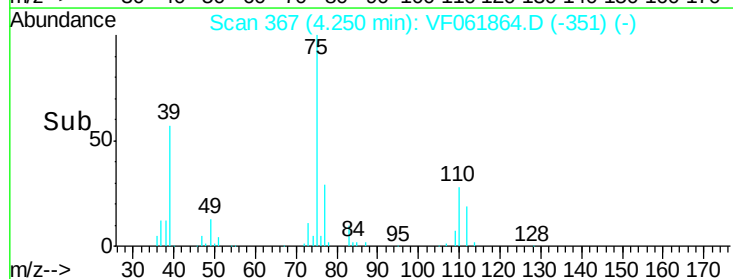
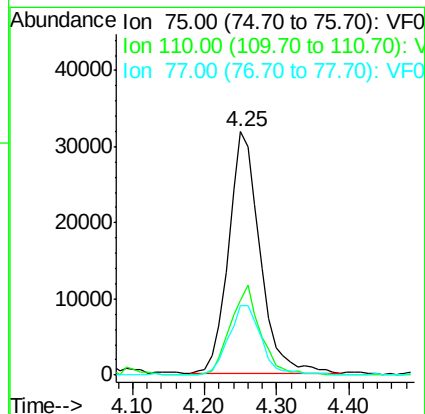
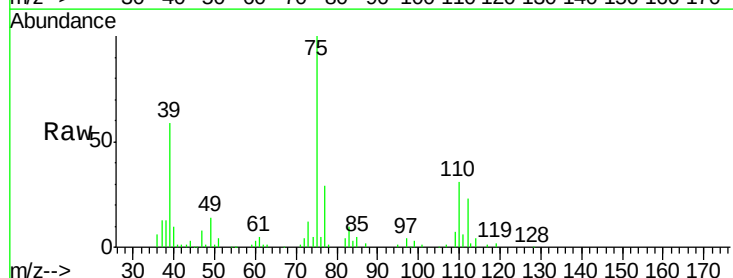
RT: 4.25 min Scan# 367

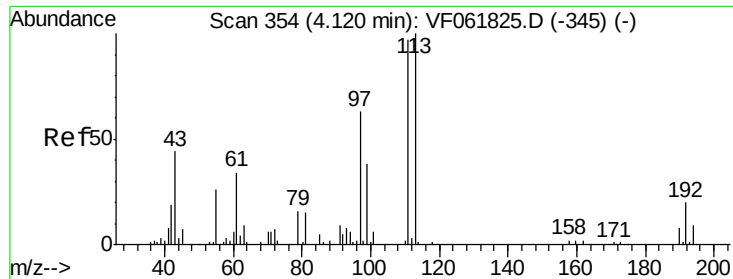
Delta R.T. -0.04 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Tgt Ion:	75	Resp:	95565
Ion Ratio	Lower	Upper	
75	100		
110	30.8	18.6	55.6
77	28.6	24.2	36.2





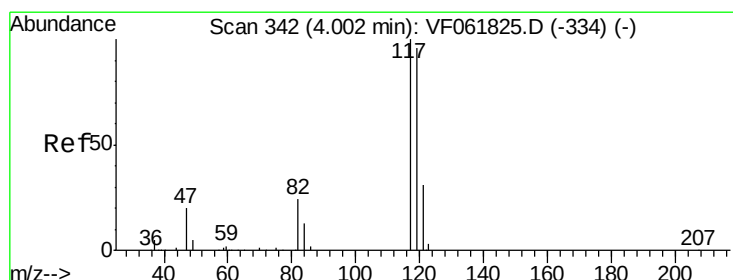
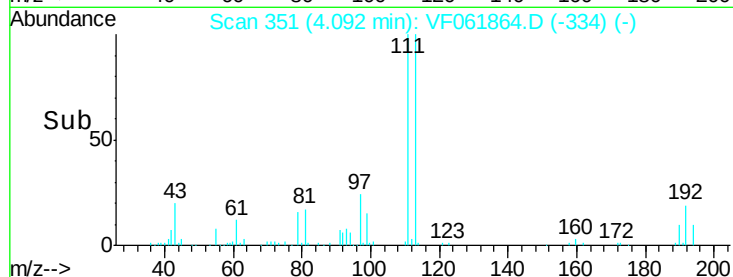
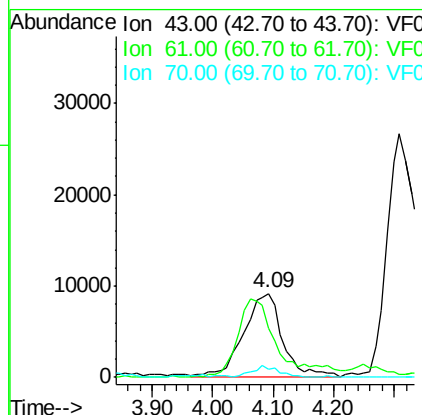
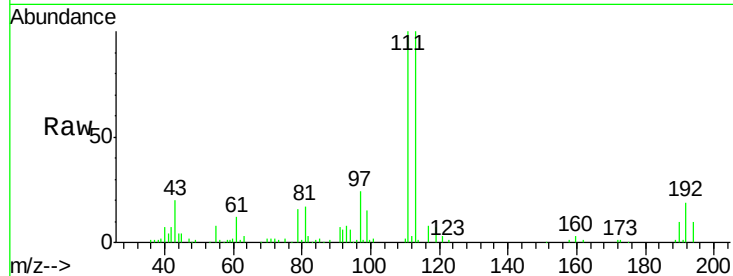
#37
Ethyl Acetate
Concen: 22.729 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	58.9	60.7	91.1#	
70	10.3	10.6	15.8#	

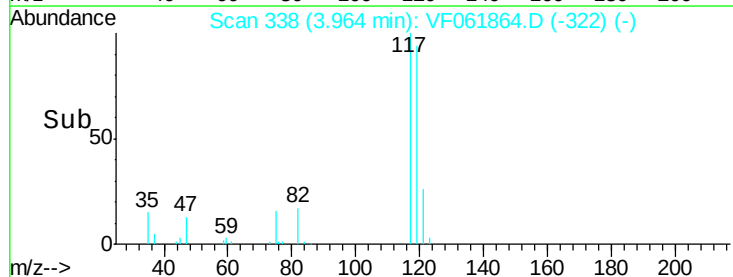
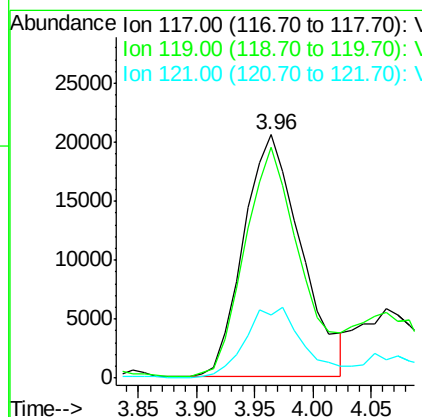
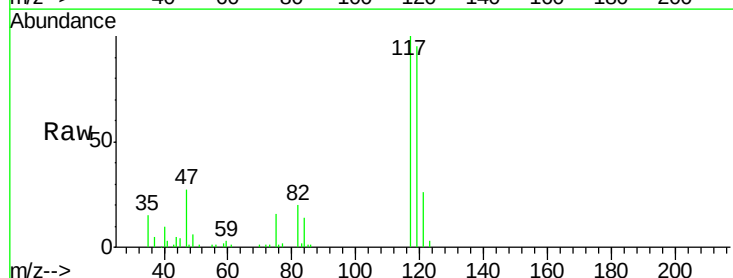
Manual Integrations
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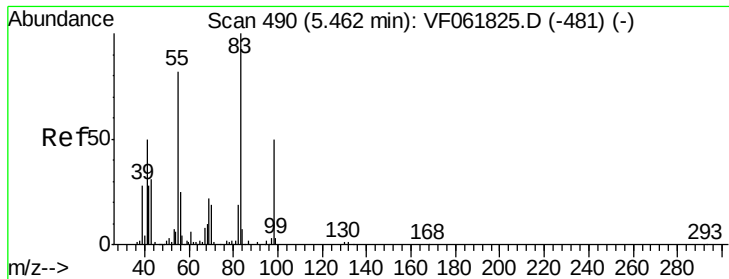
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#38
Carbon Tetrachloride
Concen: 22.839 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.04 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	94.6	76.6	114.8	
121	26.1	24.4	36.6	





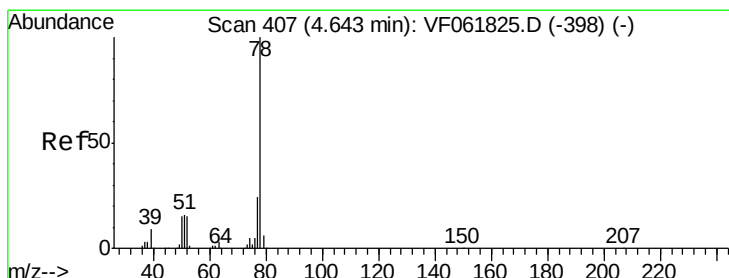
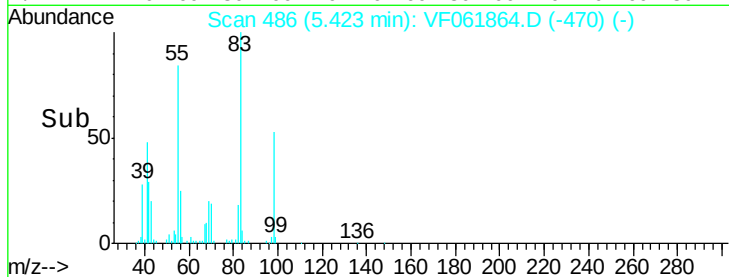
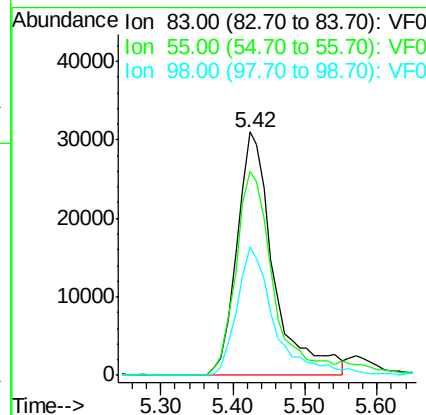
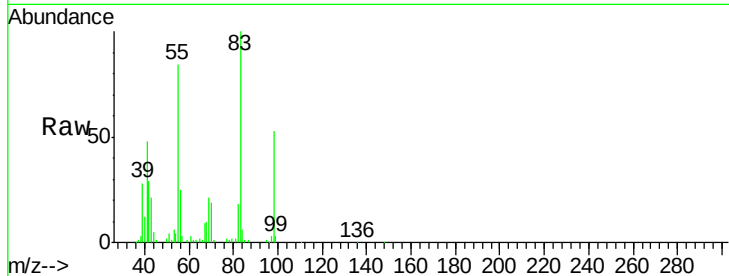
#39
Methylvlcyclohexane
Concen: 21.537 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.04 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.0	66.0	99.0
98	52.8	39.8	59.6

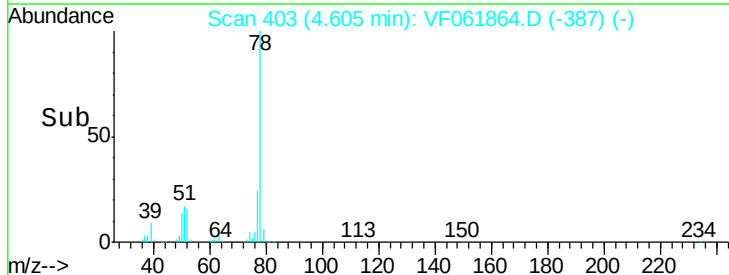
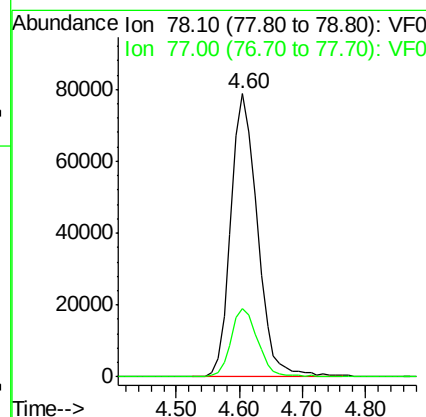
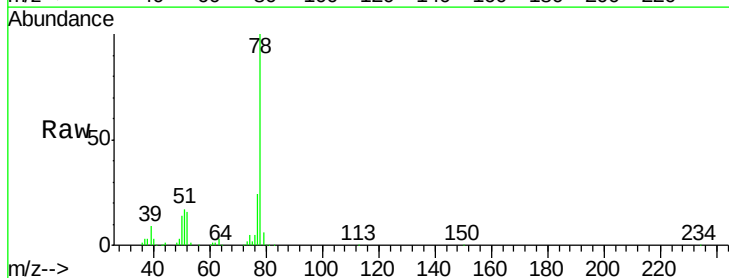
Manual Integrations
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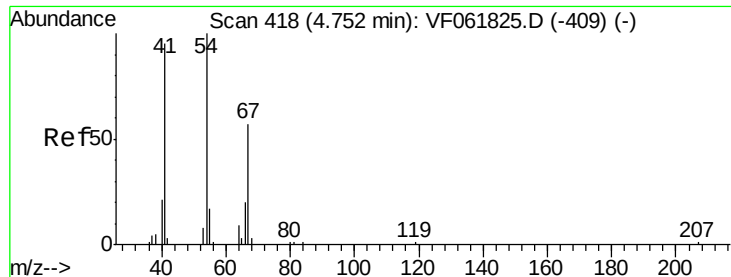
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#40
Benzene
Concen: 20.306 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.04 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3





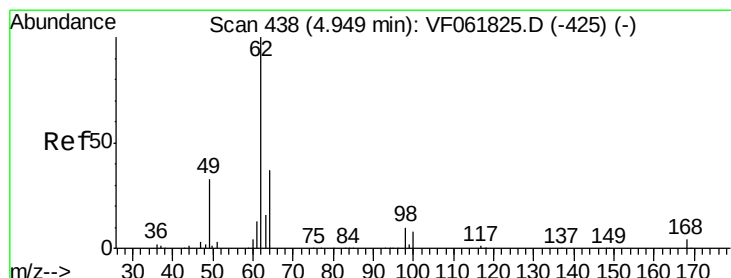
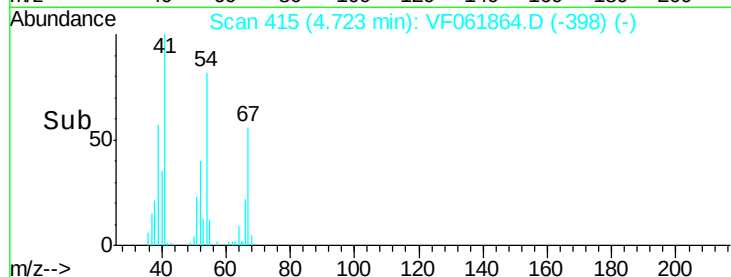
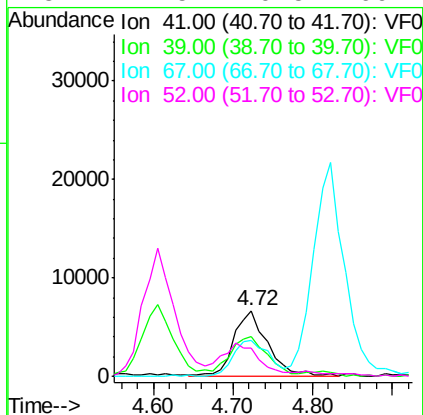
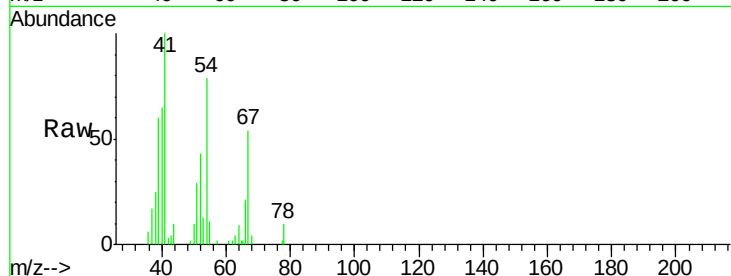
#41
Methacrylonitrile
Concen: 19.885 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion	41	Resp	19889
Ion	Ratio	Lower	Upper
41	100		
39	59.6	43.0	64.6
67	54.2	47.8	71.8
52	42.5	40.5	60.7

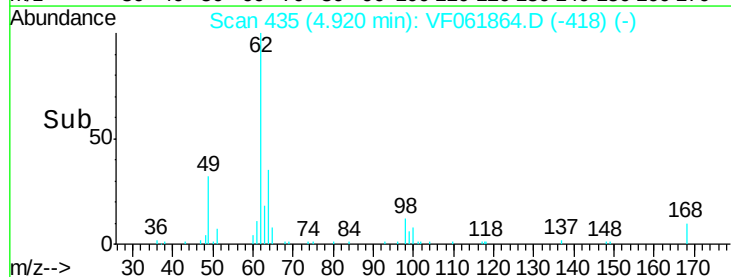
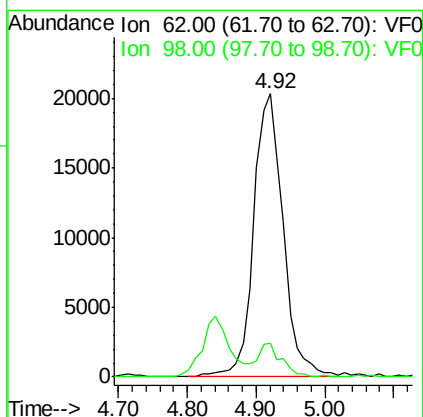
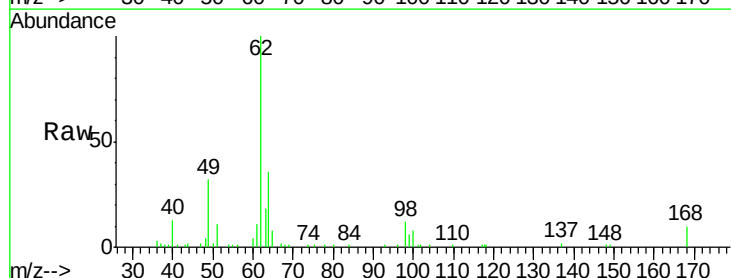
Manual Integrations
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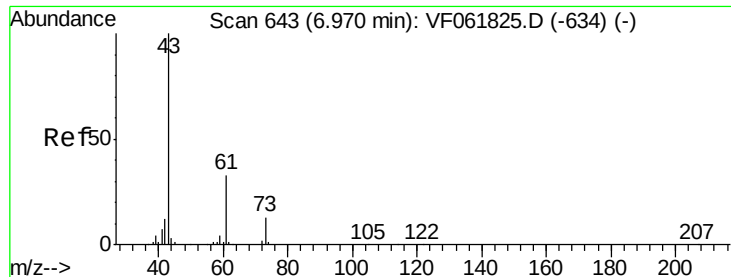
MMDadoda
3/11/2019 10:12:11 AM



#42
1,2-Dichloroethane
Concen: 21.404 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	62	Resp	60640
Ion	Ratio	Lower	Upper
62	100		
98	11.9	0.0	21.0





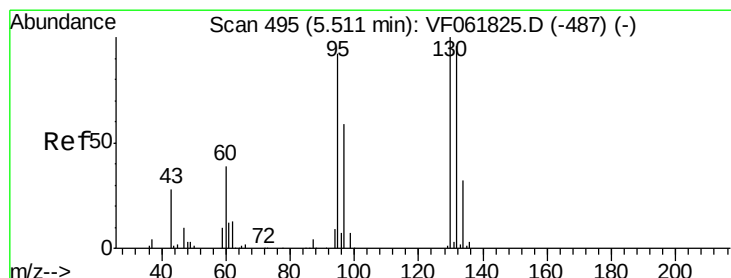
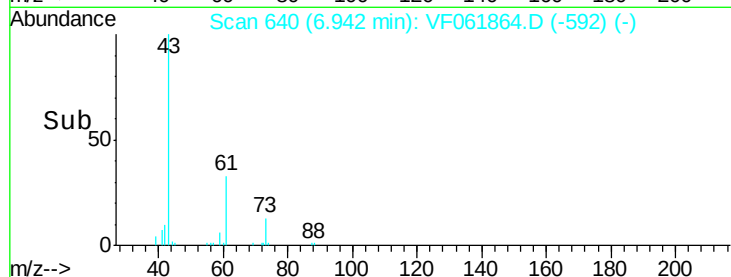
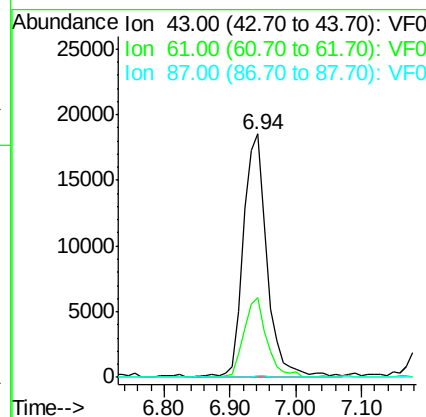
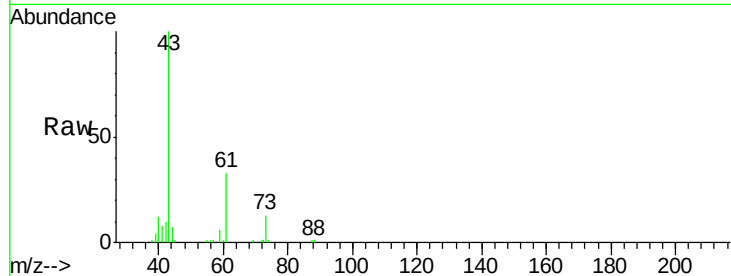
#43
Isopropyl Acetate
Concen: 20.943 ug/l
RT: 6.94 min Scan# 640
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.8	26.1	39.1
87	0.6	0.0	0.0#

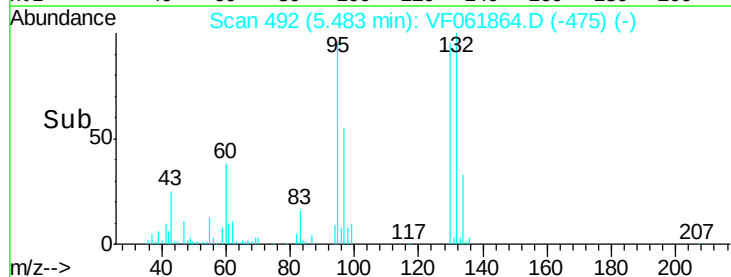
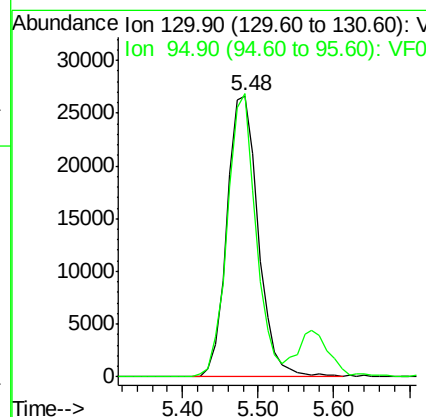
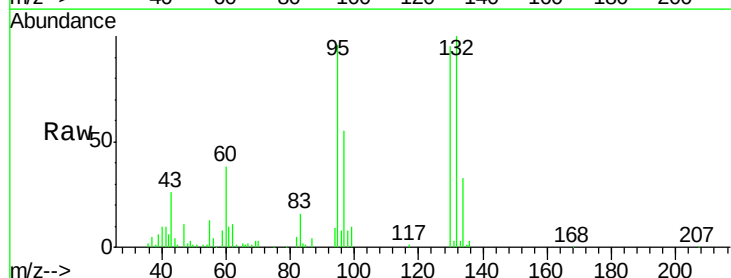
Manual Integrations
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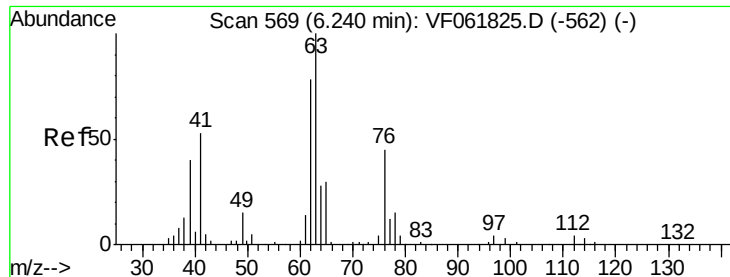
MMDadoda
3/11/2019 10:12:11 AM



#44
Trichloroethene
Concen: 21.536 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	184.0





#45

1,2-Dichloropropane

Concen: 20.377 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.03 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBS01

Tot Ion: 63 Resp: 55085

Ion Ratio Lower Upper

63 100

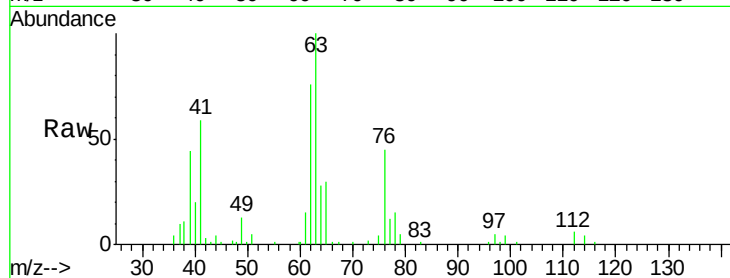
65 30.5 24.0 36.0

Manual Integrations

APPROVED

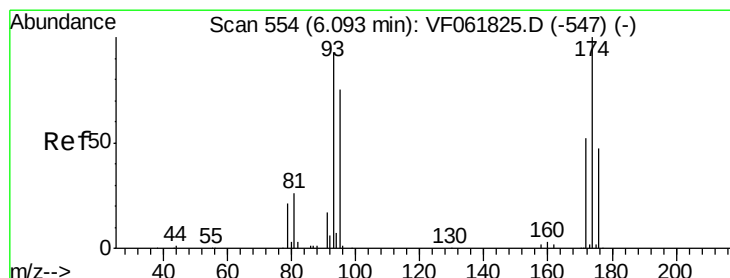
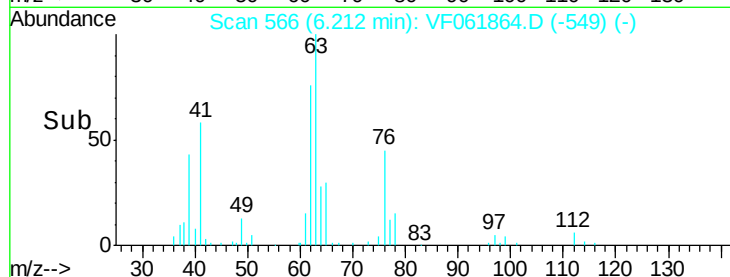
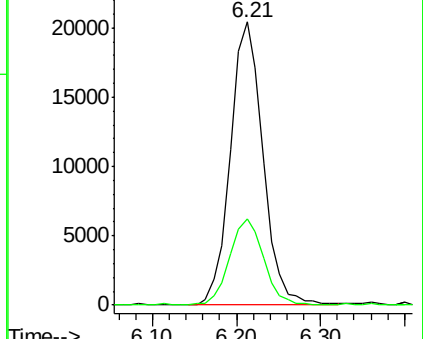
MMDadoda

3/11/2019 10:12:11 AM



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 19.335 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.03 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

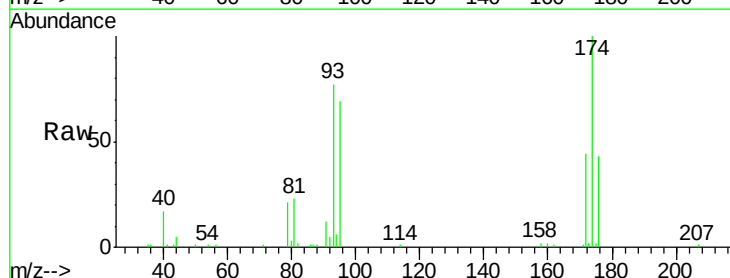
Tgt Ion: 93 Resp: 32896

Ion Ratio Lower Upper

93 100

95 89.8 64.4 96.6

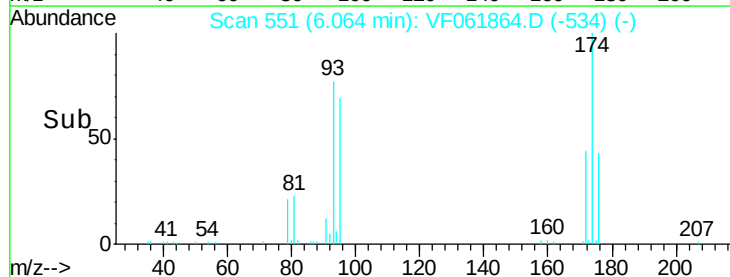
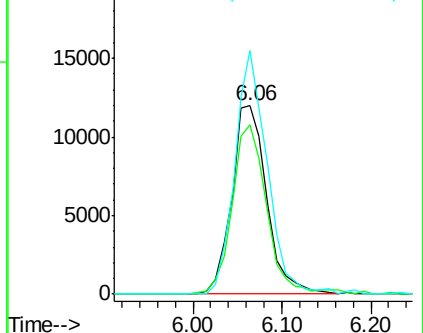
174 129.4 85.8 128.6#

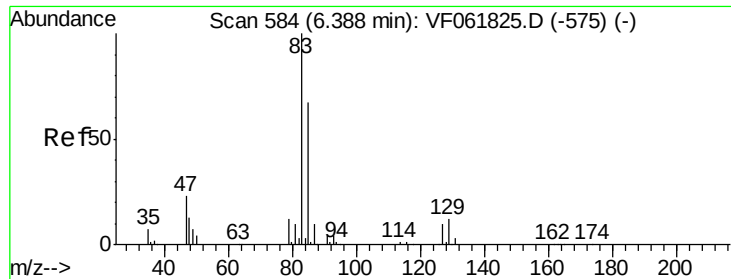


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.932 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

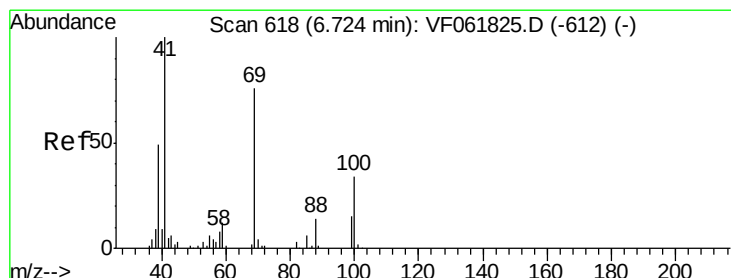
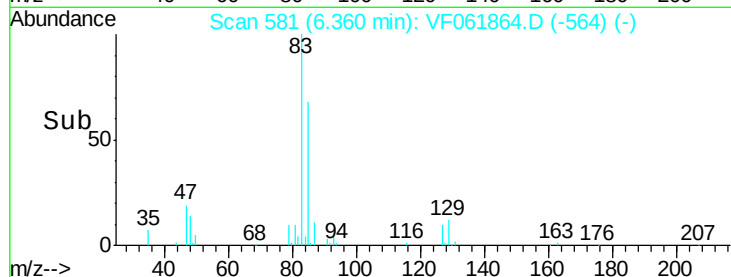
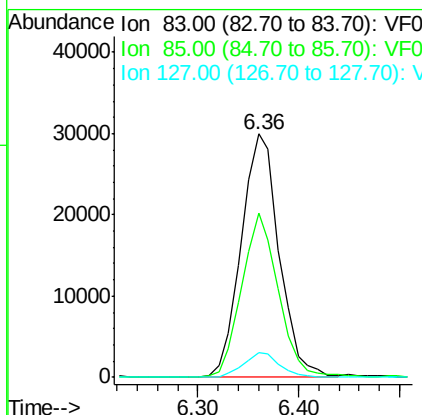
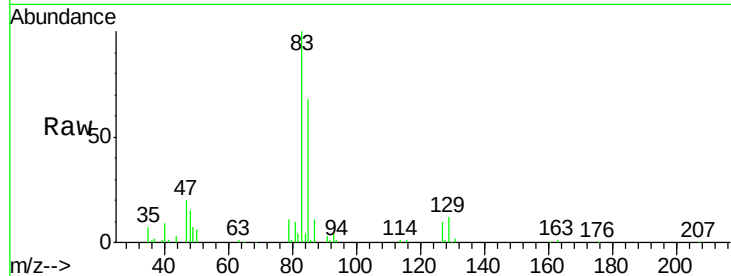
ClientSampleId :

VF0308SBS01

Tot Ion:	83	Resp:	78680
Ion	Ratio	Lower	Upper
83	100		
85	67.7	53.6	80.4
127	9.9	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.553 ug/l

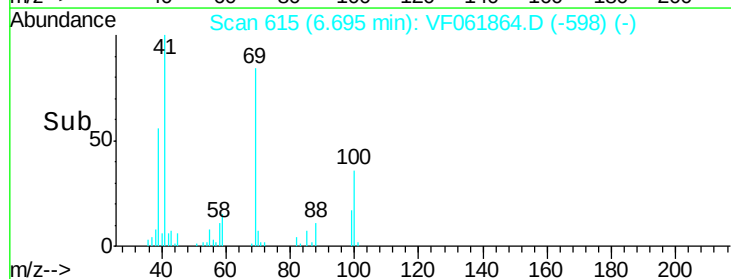
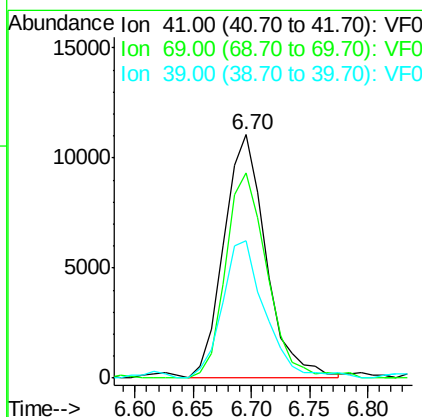
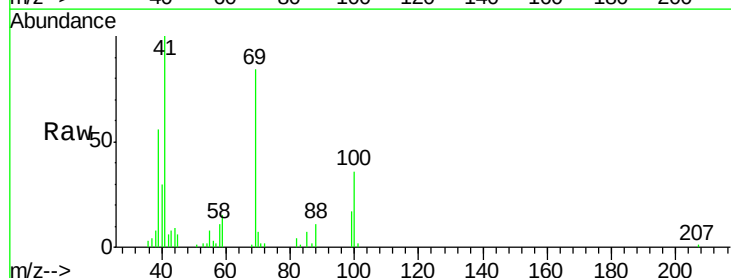
RT: 6.70 min Scan# 615

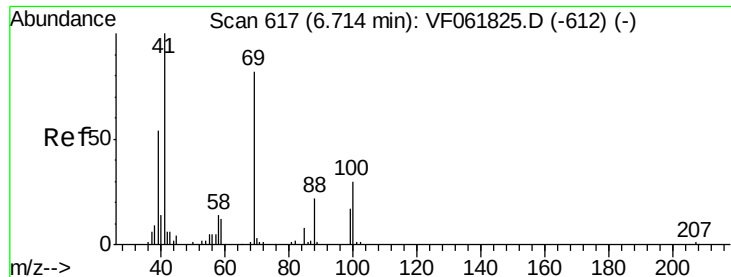
Delta R.T. -0.03 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Tgt Ion:	41	Resp:	27846
Ion	Ratio	Lower	Upper
41	100		
69	84.2	60.4	90.6
39	56.3	39.7	59.5





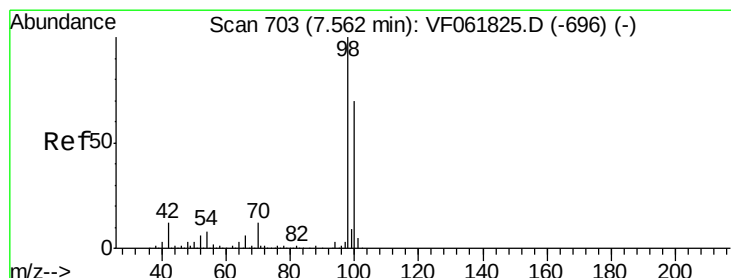
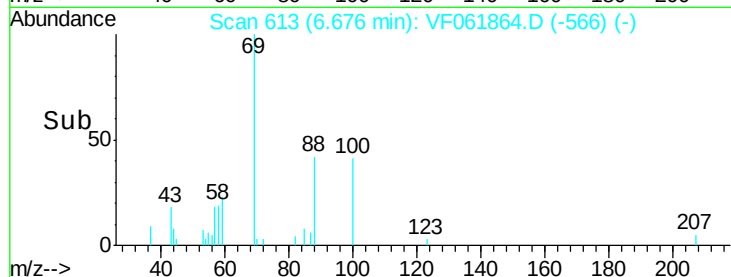
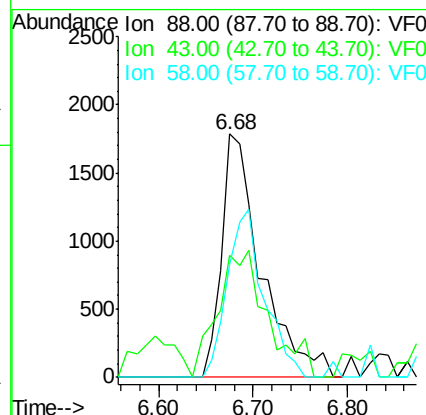
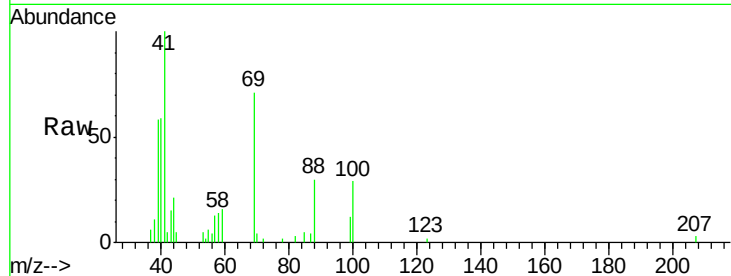
#49
1,4-Dioxane
Concen: 395.736 ug/l
RT: 6.68 min Scan# 613
Delta R.T. -0.04 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	49.9	28.4	42.6#	
58	46.6	50.7	76.1#	

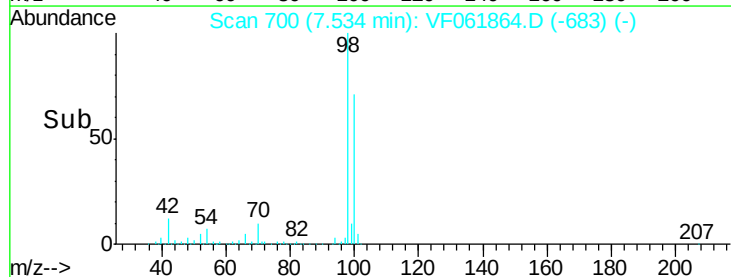
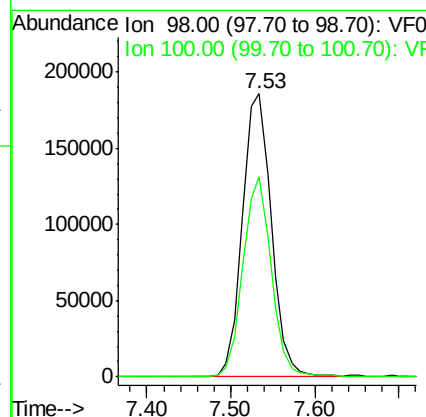
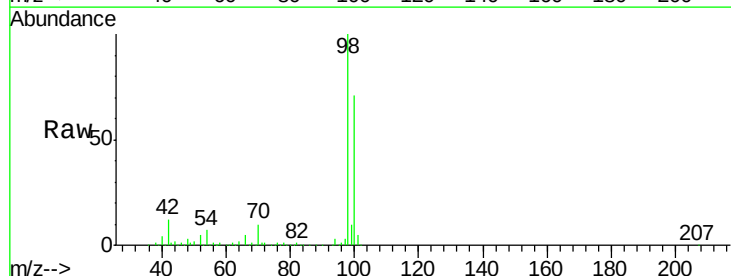
Manual Integrations
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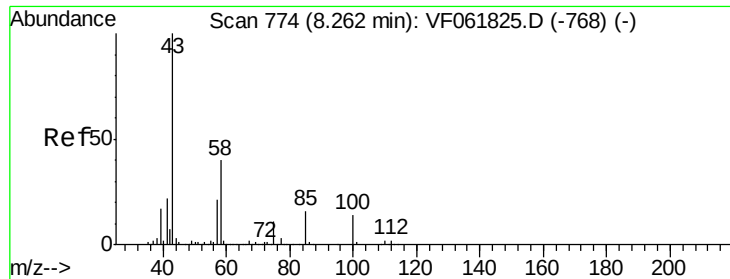
MMDadoda
3/11/2019 10:12:11 AM



#50
Toluene-d8
Concen: 46.910 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	70.6	56.0	84.0	





#51

4-Methyl-2-Pentanone

Concen: 110.960 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBSD01

Tot Ion: 43 Resp: 172570

Ion Ratio Lower Upper

43 100

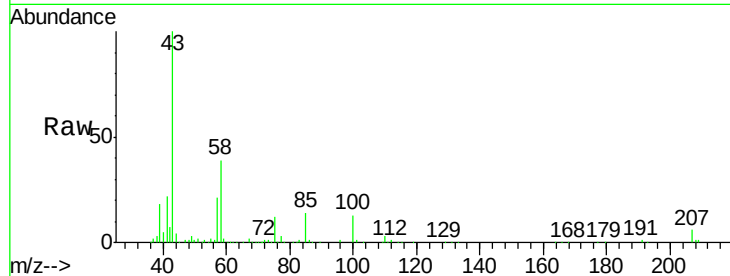
58 39.4 31.8 47.8

Manual Integrations

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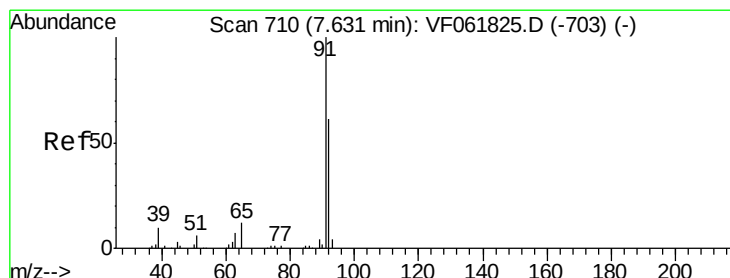
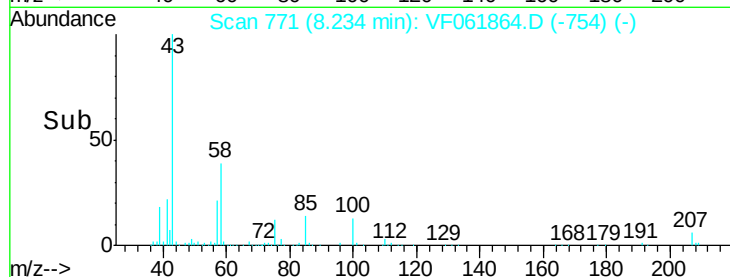
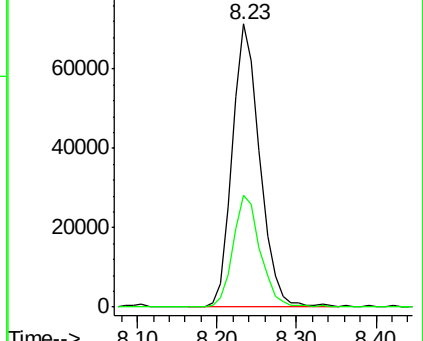
MMDadoda

3/11/2019 10:12:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.729 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061864.D

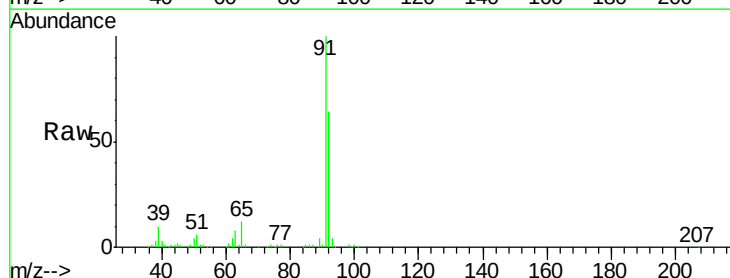
Acq: 8 Mar 2019 15:55

Tgt Ion: 92 Resp: 146135

Ion Ratio Lower Upper

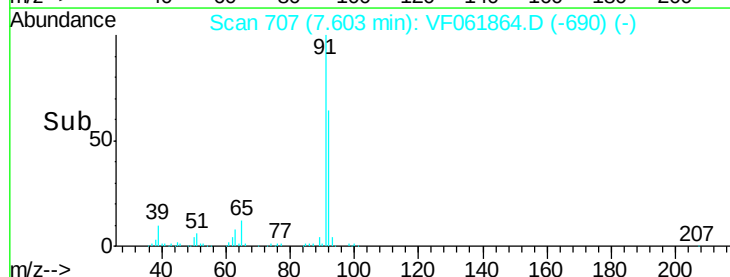
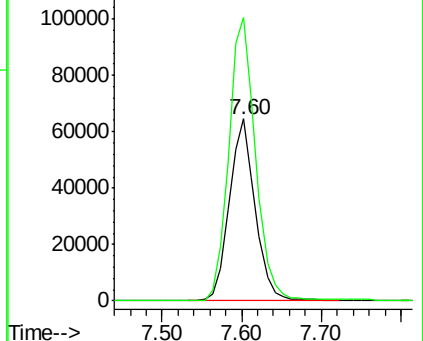
92 100

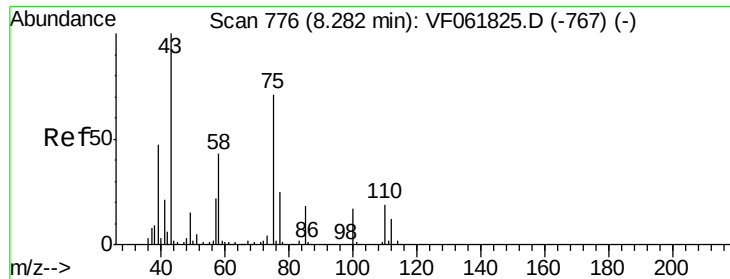
91 155.7 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





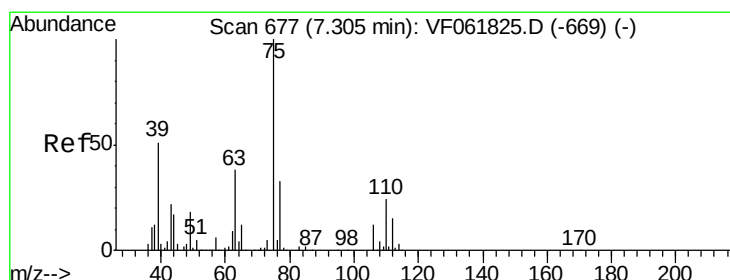
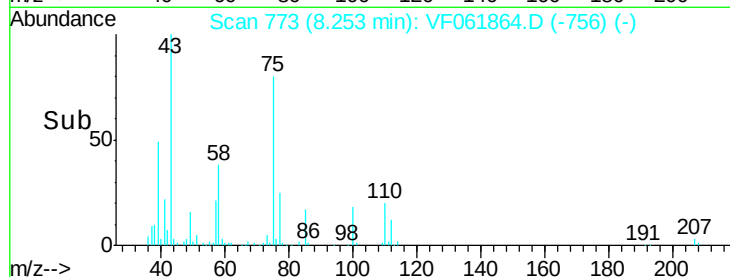
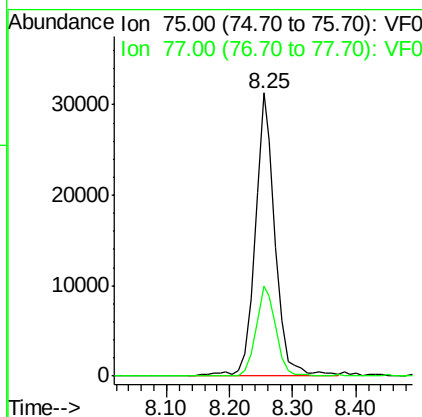
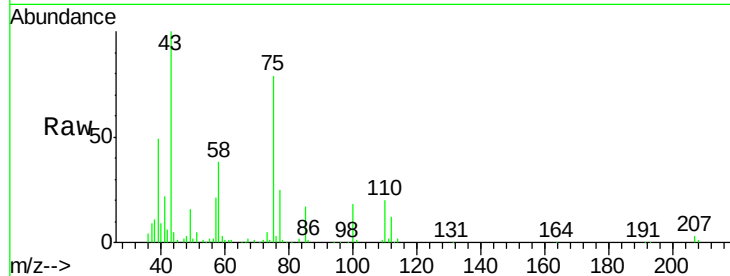
#53
 t-1,3-Dichloropropene
 Concen: 22.280 ug/l
 RT: 8.25 min Scan# 773
 Delta R.T. -0.03 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0308SBS01

Tot Ion: 75 Resp: 69126
 Ion Ratio Lower Upper
 75 100
 77 31.8 28.0 42.0

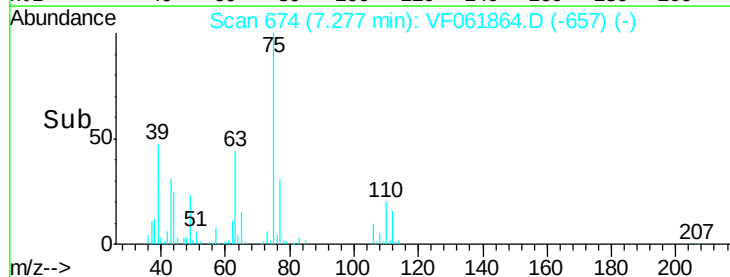
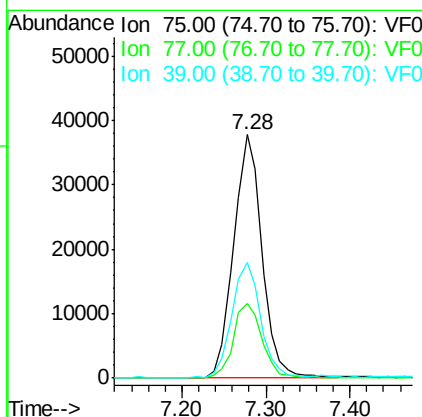
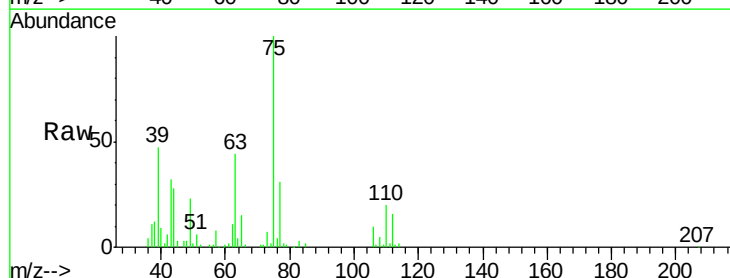
Manual Integrations
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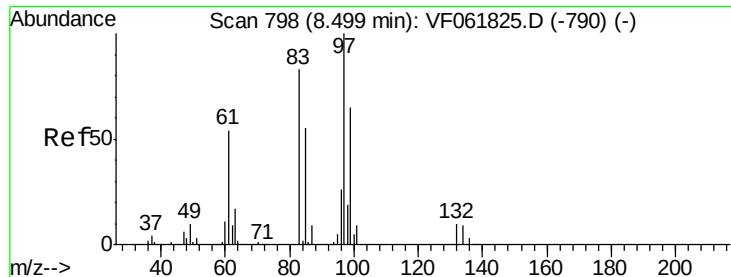
MMDadoda
 3/11/2019 10:12:11 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.730 ug/l
 RT: 7.28 min Scan# 674
 Delta R.T. -0.03 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Tgt Ion: 75 Resp: 88716
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.3 39.5
 39 47.3 40.8 61.2





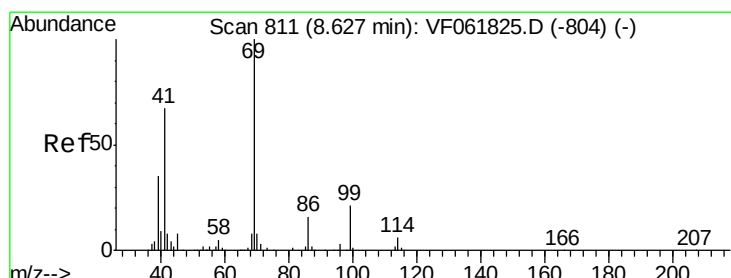
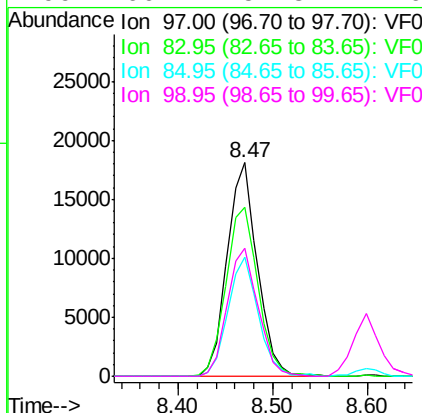
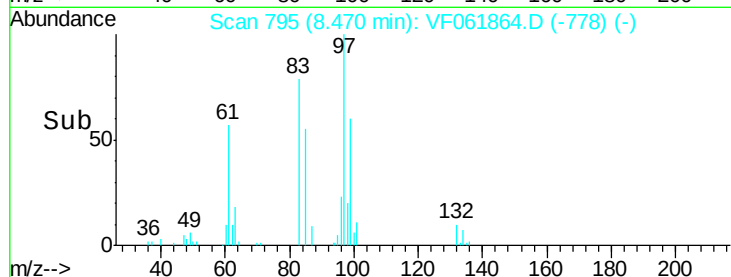
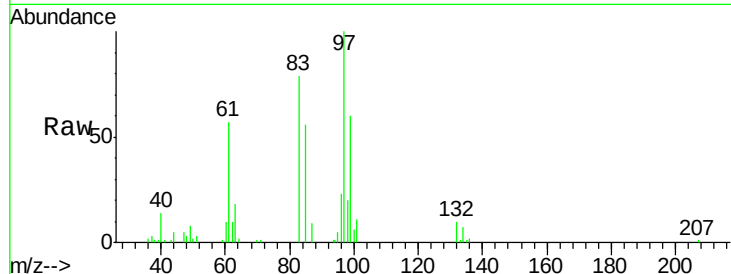
#55
 1,1,2-Trichloroethane
 Concen: 20.634 ug/l
 RT: 8.47 min Scan# 795
 Delta R.T. -0.03 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0308SBS01

Tot Ion:	97	Resp:	39984
Ion	Ratio	Lower	Upper
97	100		
83	79.4	66.5	99.7
85	55.9	44.2	66.2
99	60.2	51.8	77.6

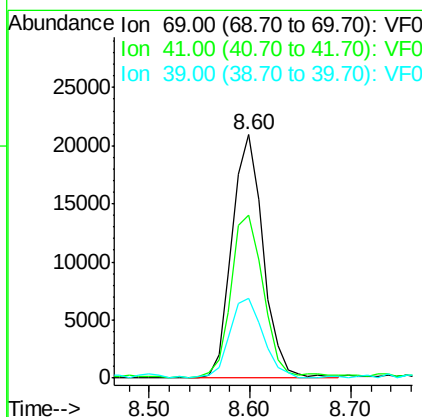
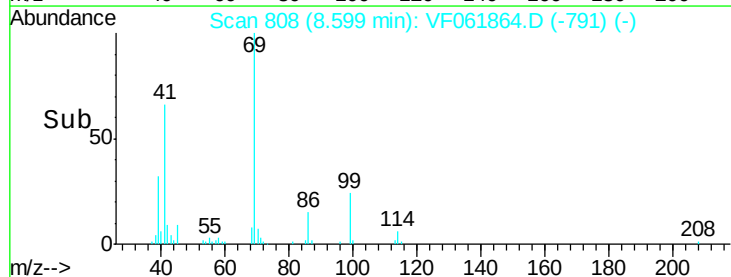
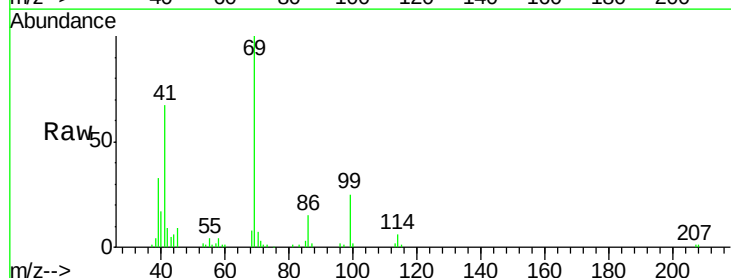
Manual Integrations
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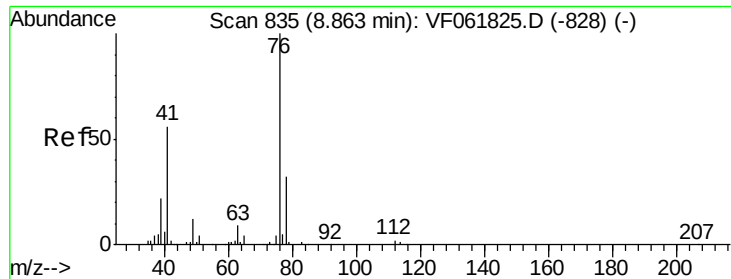
MMDadoda
 3/11/2019 10:12:11 AM



#56
 Ethyl methacrylate
 Concen: 20.721 ug/l
 RT: 8.60 min Scan# 808
 Delta R.T. -0.03 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Tgt Ion:	69	Resp:	45252
Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.9	80.9
39	32.5	28.3	42.5





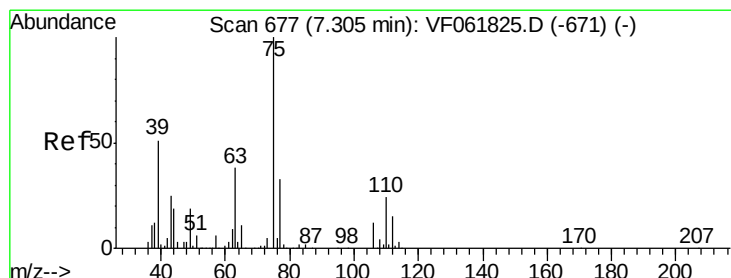
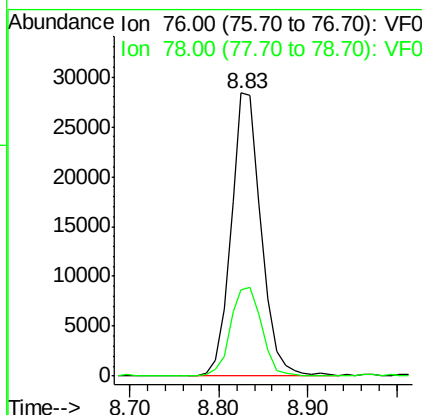
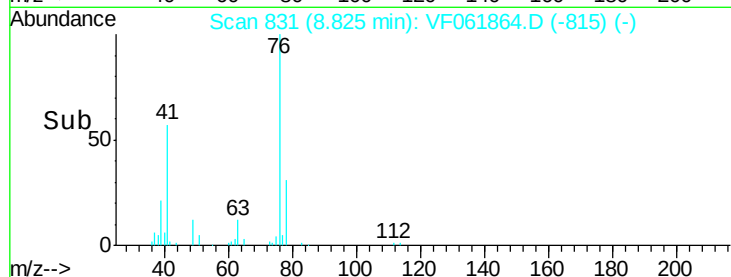
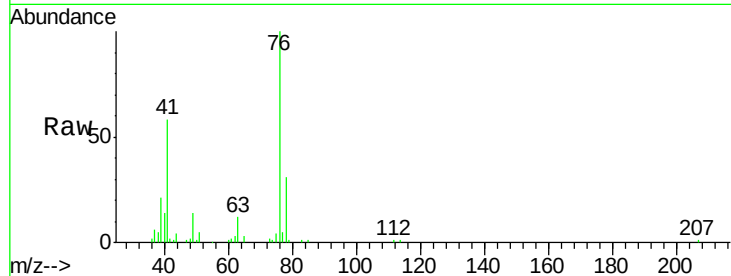
#57
 1,3-Dichloropropane
 Concen: 21.034 ug/l
 RT: 8.83 min Scan# 831
 Delta R.T. -0.04 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0308SBS01

Tot Ion: 76 Resp: 66655
 Ion Ratio Lower Upper
 76 100
 78 30.6 25.4 38.2

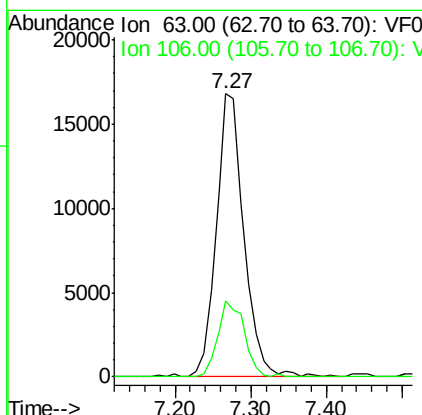
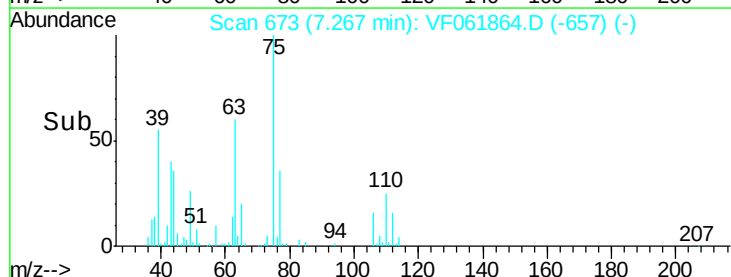
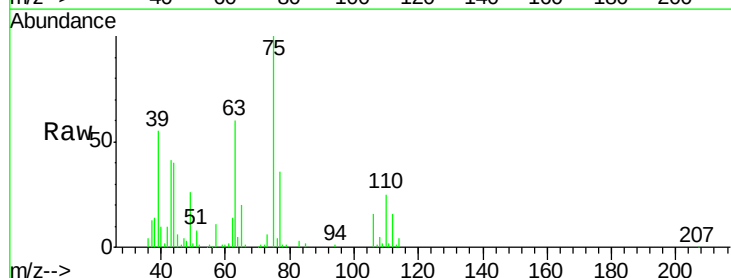
Manual Integrations
 APPROVED

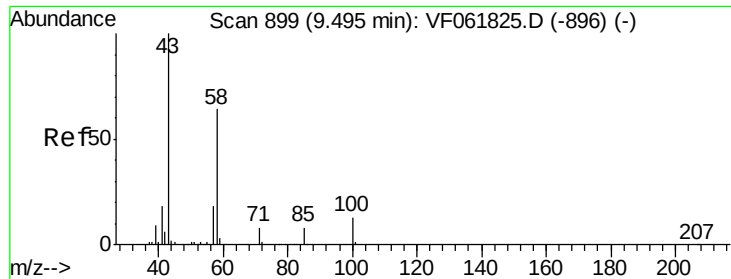
MMDadoda
 3/11/2019 10:12:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 123.447 ug/l
 RT: 7.27 min Scan# 673
 Delta R.T. -0.04 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Tgt Ion: 63 Resp: 42646
 Ion Ratio Lower Upper
 63 100
 106 27.0 24.3 36.5





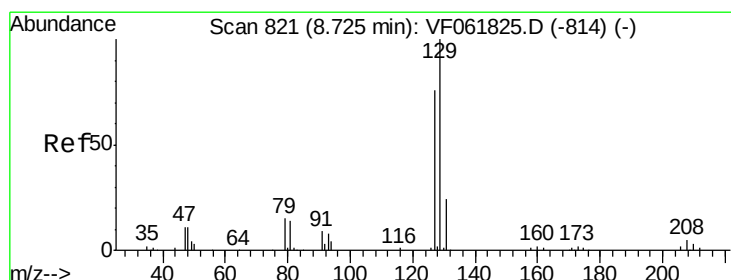
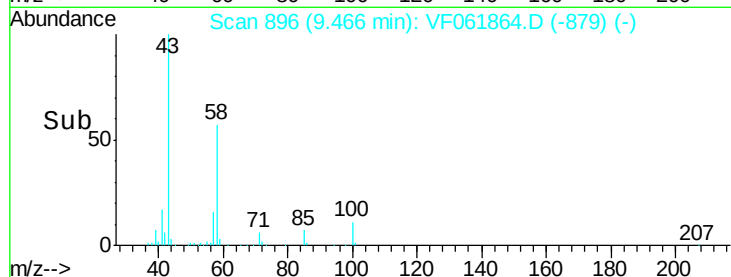
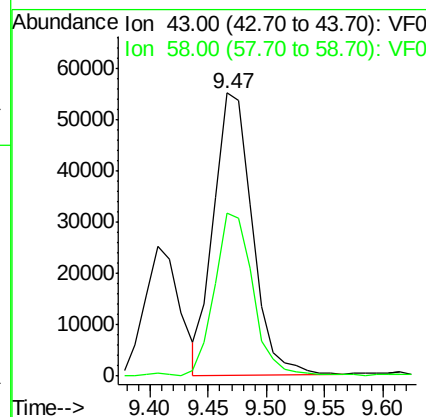
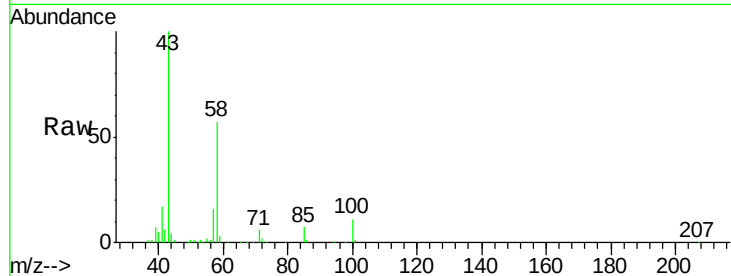
#59
2-Hexanone
Concen: 112.208 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion: 43 Resp: 125895
Ion Ratio Lower Upper
43 100
58 57.5 28.8 86.4

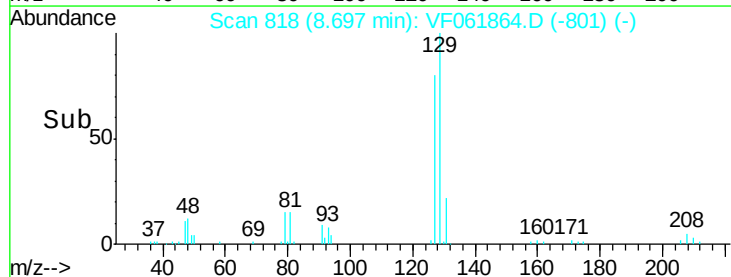
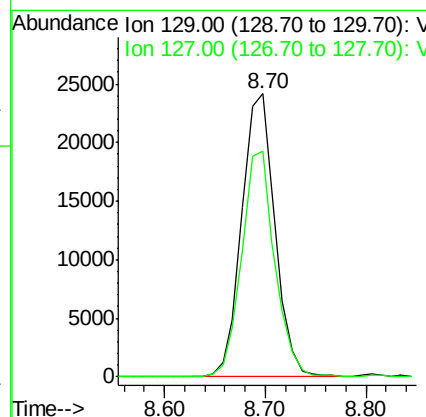
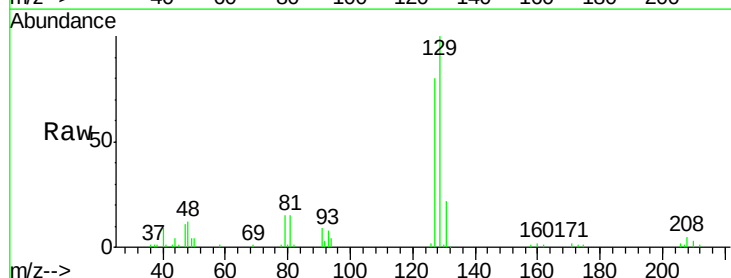
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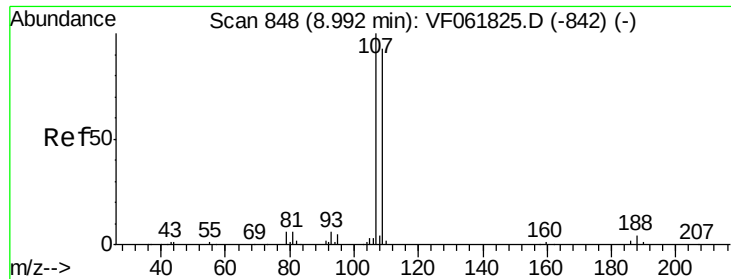
MMDadoda
3/11/2019 10:12:11 AM



#60
Dibromochloromethane
Concen: 20.045 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion: 129 Resp: 55360
Ion Ratio Lower Upper
129 100
127 79.9 38.2 114.6





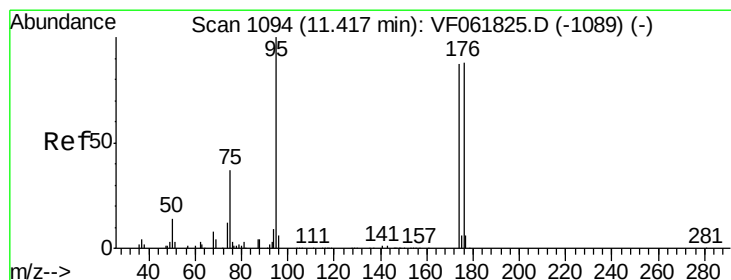
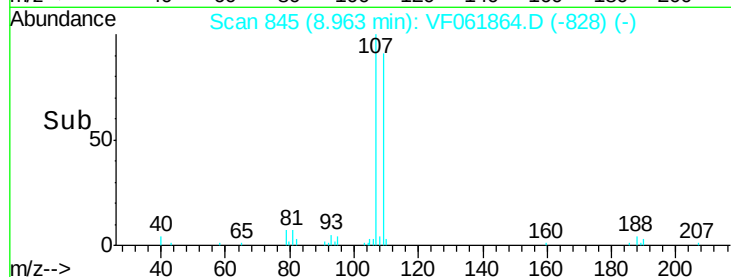
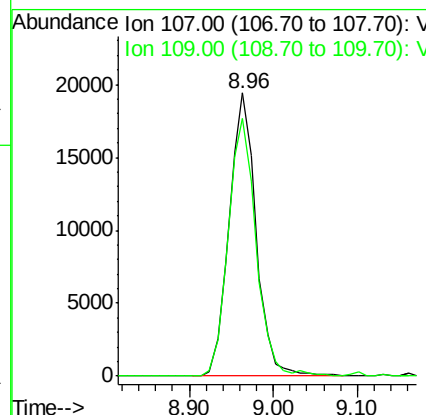
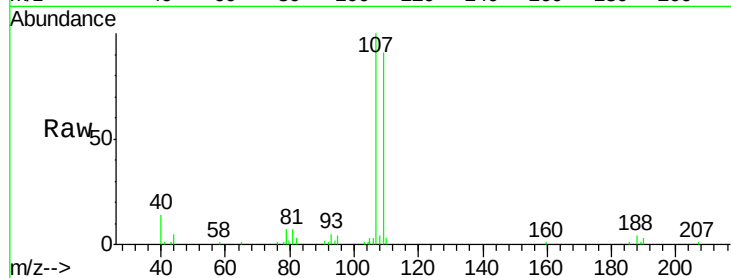
#61
 1,2-Dibromoethane
 Concen: 20.115 ug/l
 RT: 8.96 min Scan# 845
 Delta R.T. -0.03 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0308SBS01

Tot Ion: 107 Resp: 42863
 Ion Ratio Lower Upper
 107 100
 109 91.1 74.6 112.0

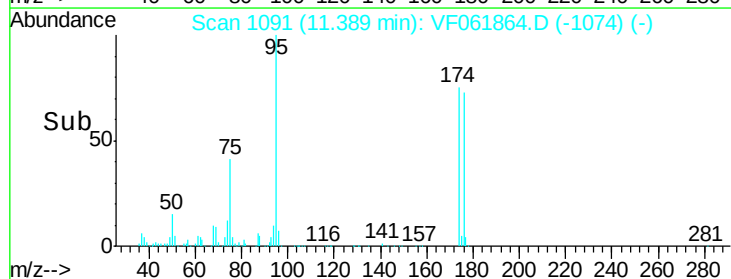
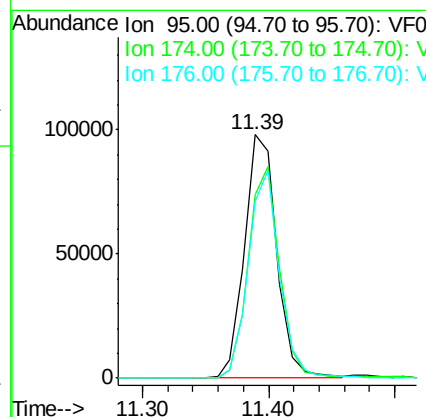
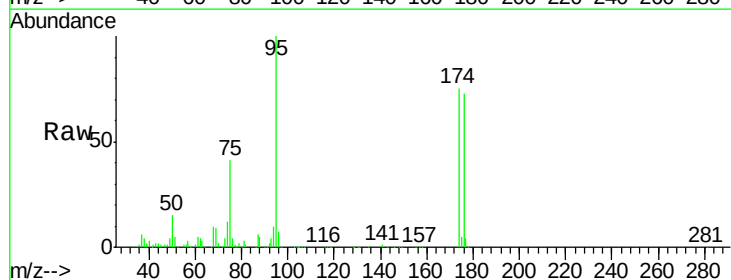
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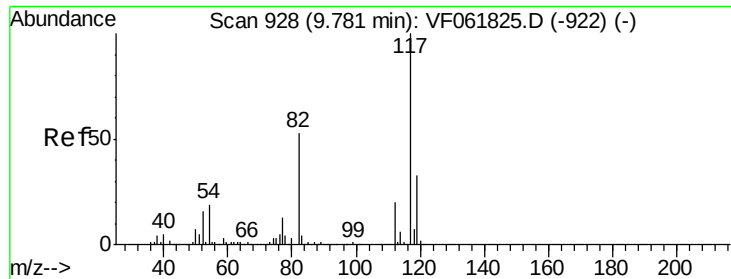
MMDadoda
 3/11/2019 10:12:11 AM



#62
 4-Bromofluorobenzene
 Concen: 46.341 ug/l
 RT: 11.39 min Scan# 1091
 Delta R.T. -0.03 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Tgt Ion: 95 Resp: 173372
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 174.0
 176 72.8 0.0 175.2





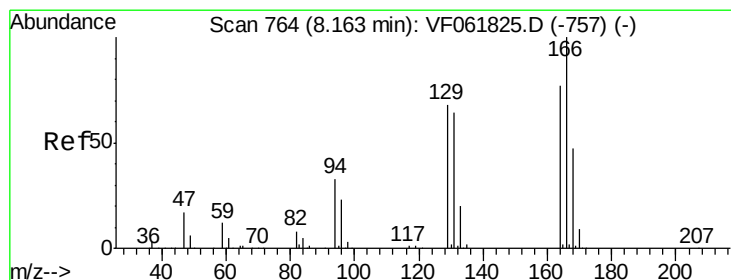
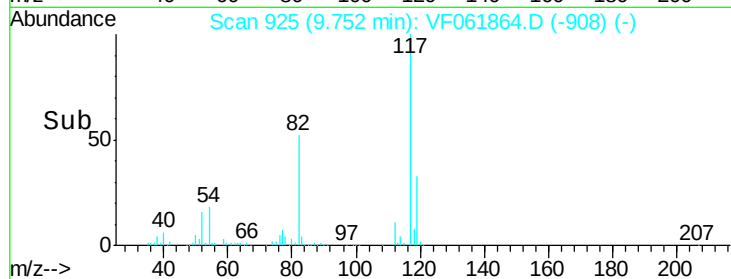
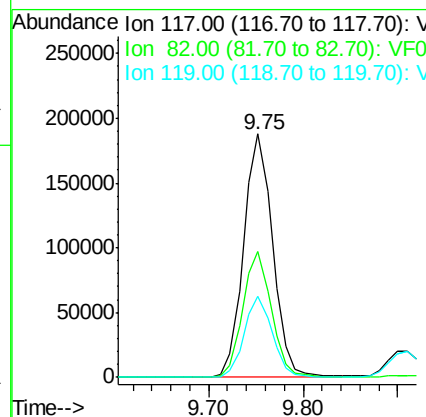
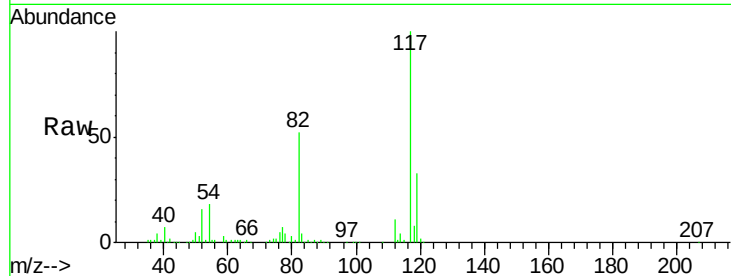
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	401570		
82	51.9	42.6	63.8	
119	33.1	26.0	39.0	

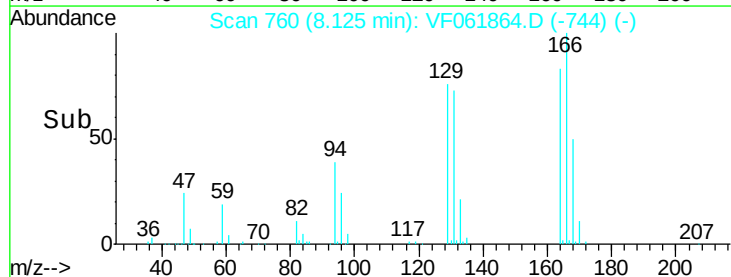
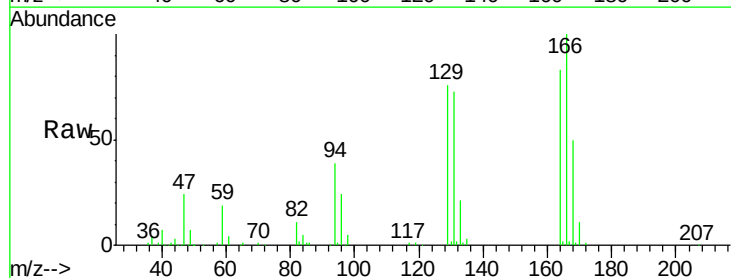
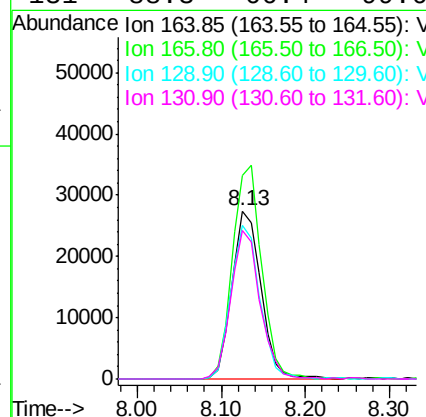
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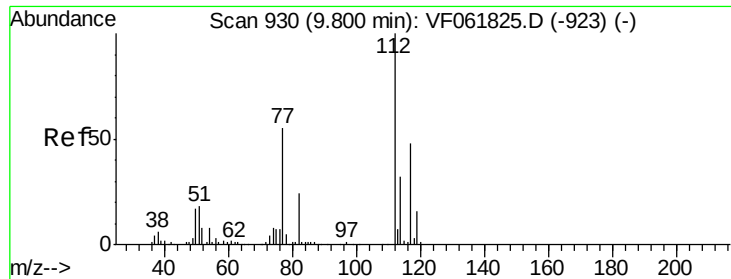
MMDadoda
3/11/2019 10:12:11 AM



#64
Tetrachloroethene
Concen: 21.315 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.04 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65769		
166	121.0	103.4	155.0	
129	91.7	69.9	104.9	
131	88.3	66.4	99.6	





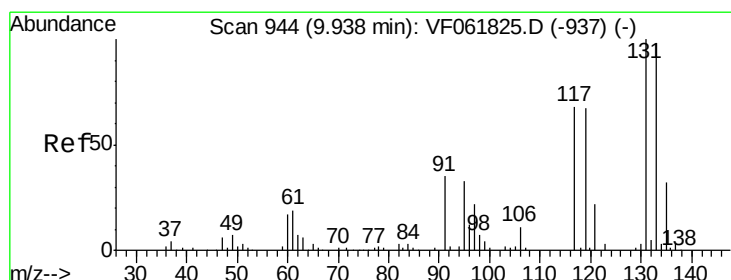
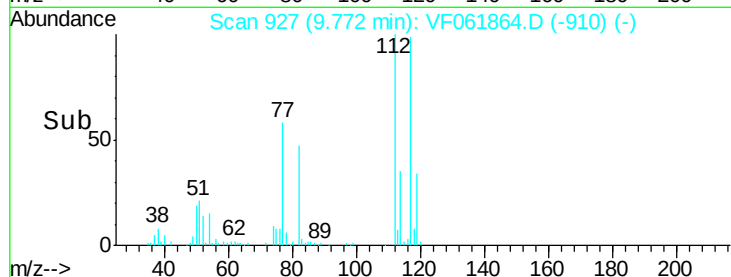
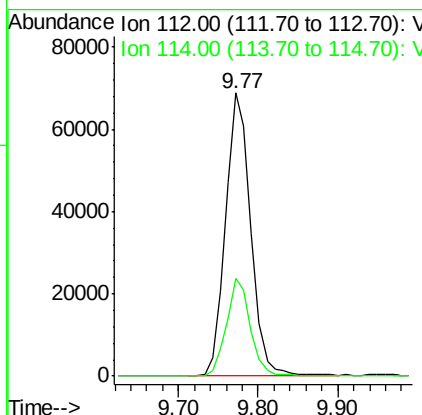
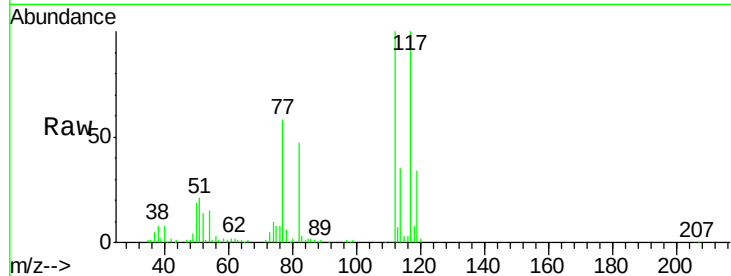
#65
Chlorobenzene
Concen: 19.913 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.6	25.5	38.3

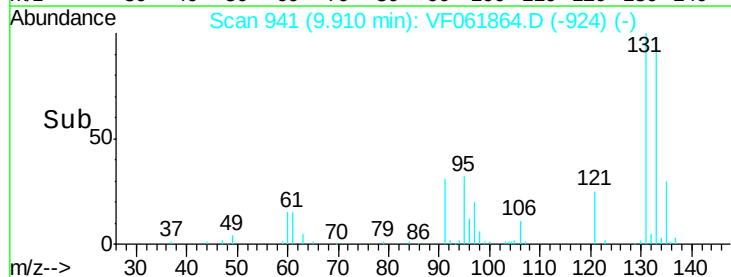
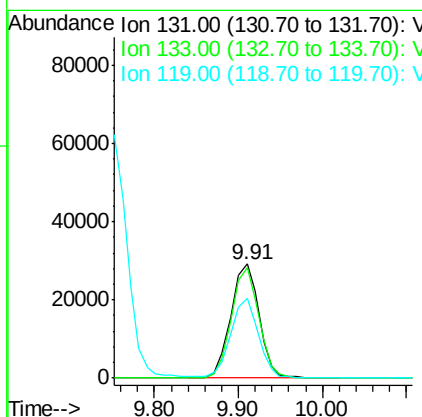
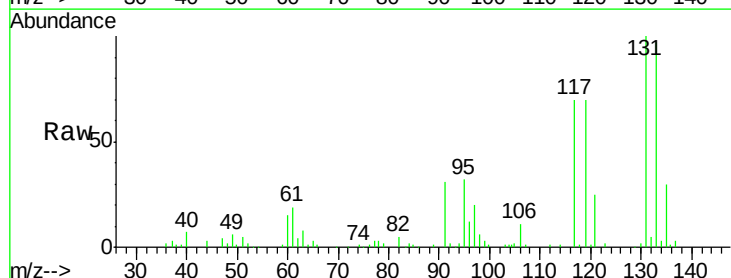
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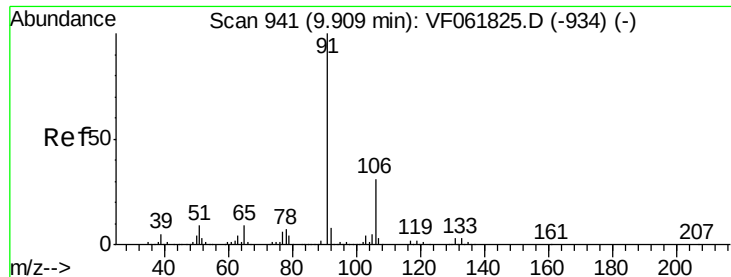
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.820 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	48.9	146.7
119	69.9	33.6	100.8





#67

Ethyl Benzene

Concen: 21.793 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.03 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBS01

Tot Ion: 91 Resp: 278672

Ion Ratio Lower Upper

91 100

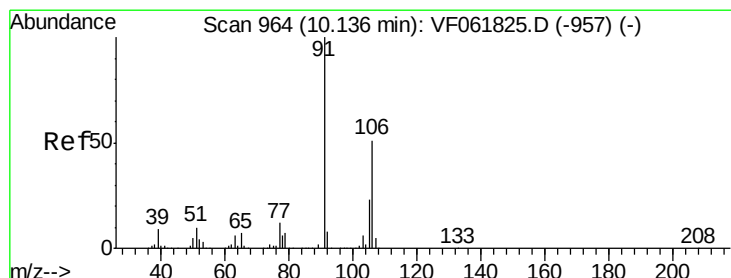
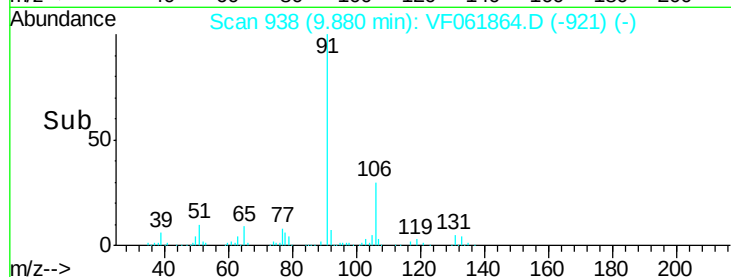
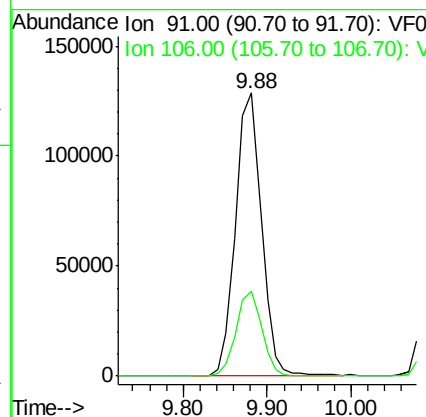
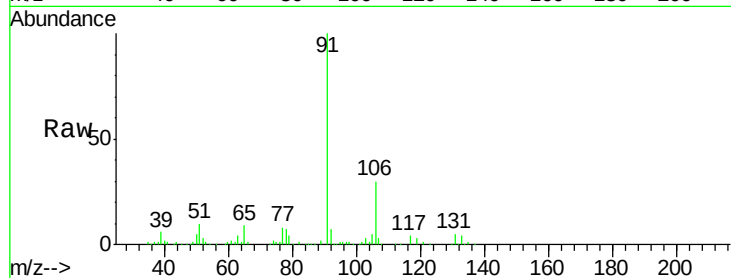
106 30.1 25.0 37.4

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#68

m/p-Xylenes

Concen: 43.163 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF061864.D

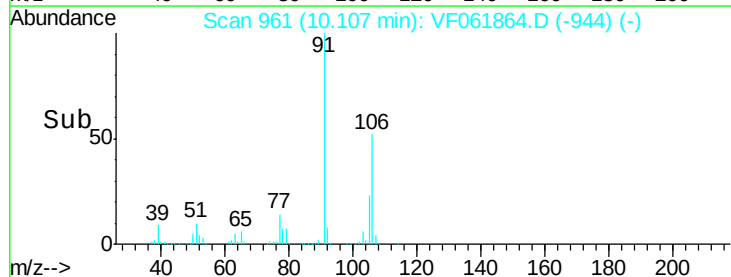
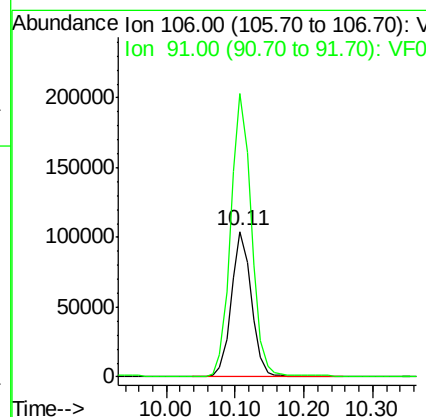
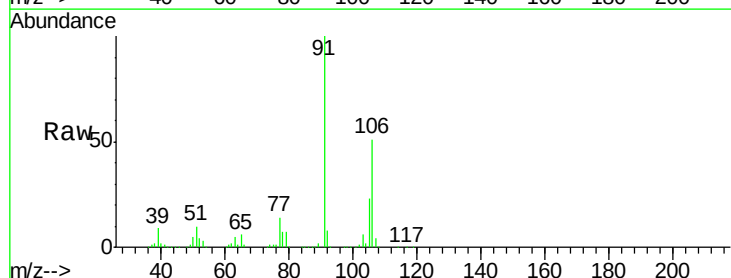
Acq: 8 Mar 2019 15:55

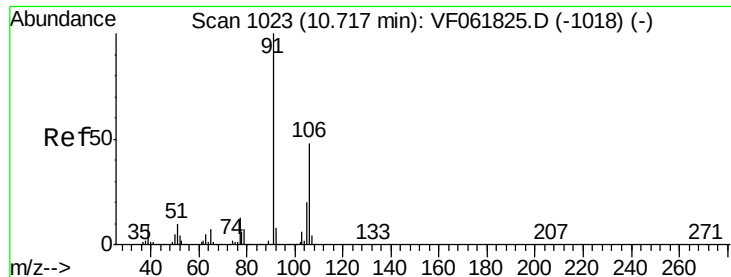
Tgt Ion: 106 Resp: 211441

Ion Ratio Lower Upper

106 100

91 194.4 157.5 236.3





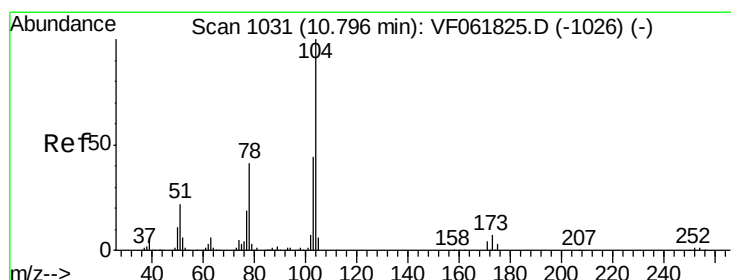
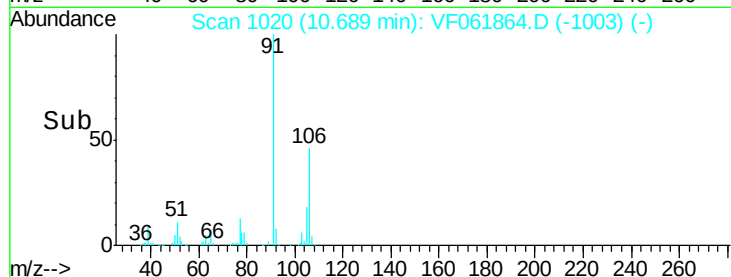
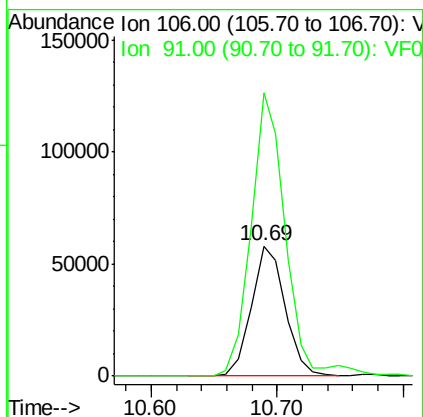
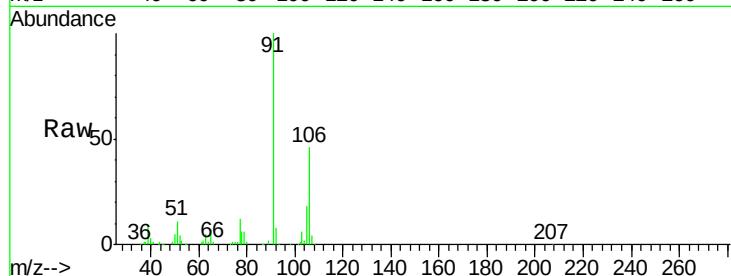
#69
o-Xylene
Concen: 20.563 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.1	103.5	310.3

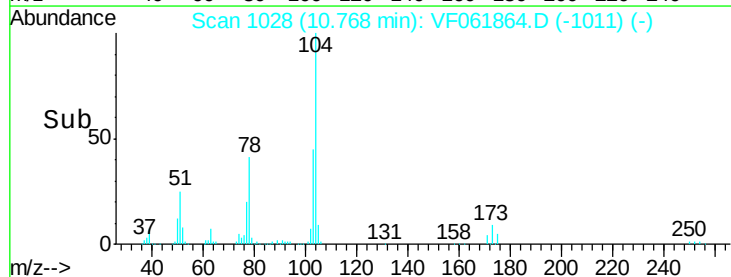
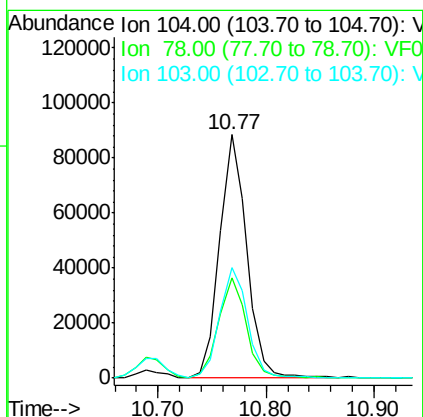
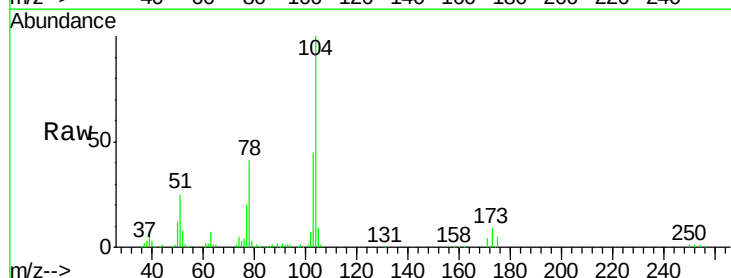
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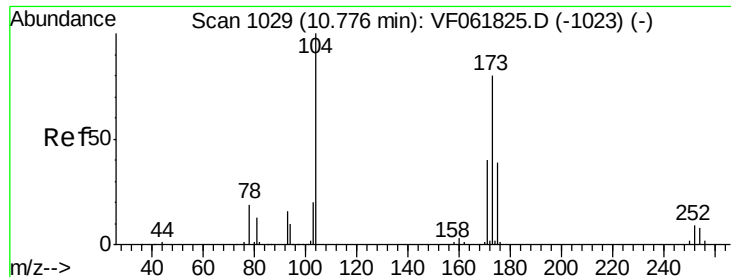
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#70
Styrene
Concen: 20.699 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	41.3	33.3	49.9
103	45.4	35.4	53.0





#71

Bromoform

Concen: 20.154 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBSD01

Tot Ion:173 Resp: 31839

Ion Ratio Lower Upper

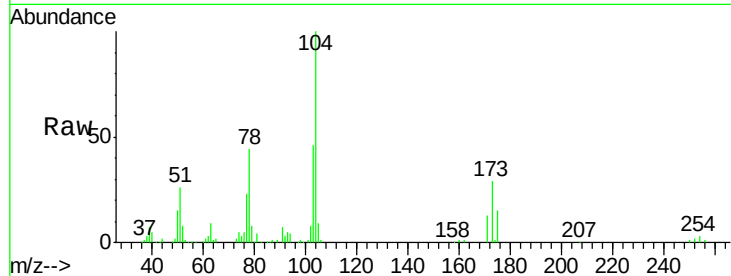
173 100

175 51.1 24.5 73.5

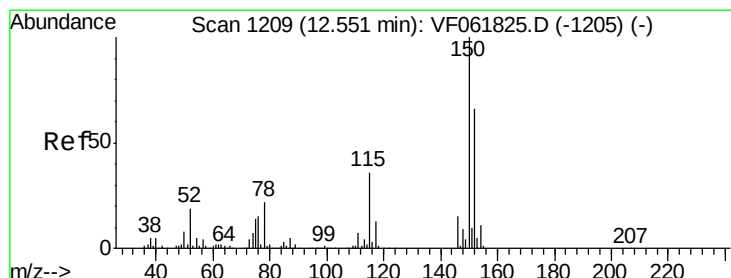
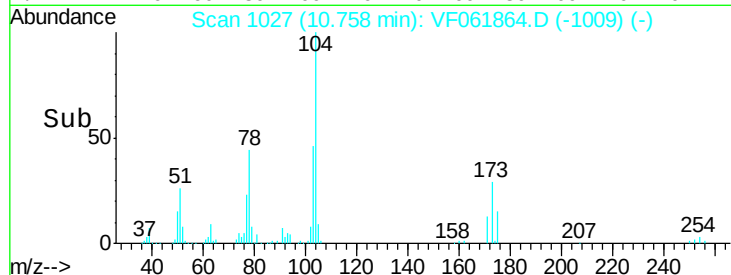
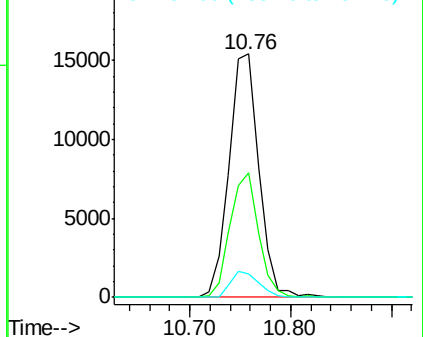
254 9.6 8.0 12.0

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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

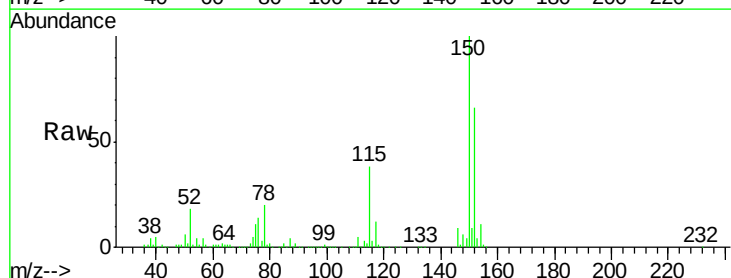
Tgt Ion:152 Resp: 224075

Ion Ratio Lower Upper

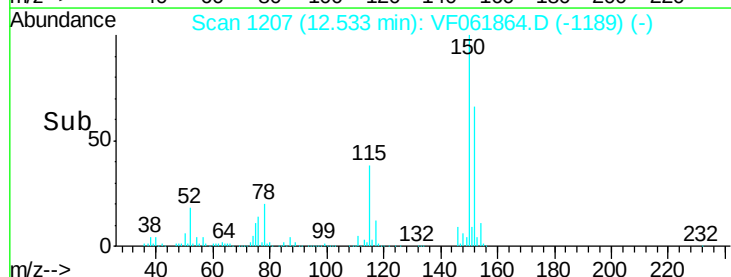
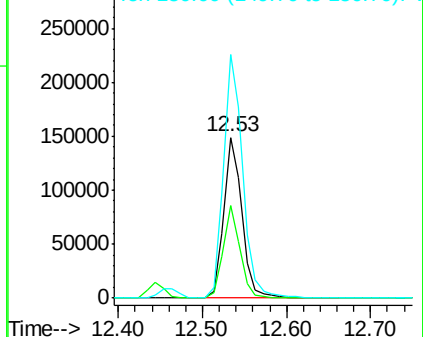
152 100

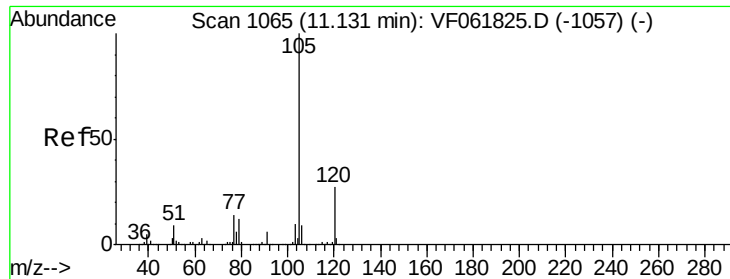
115 57.7 27.7 83.1

150 151.4 0.0 304.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.095 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBS01

Tot Ion:105 Resp: 325420

Ion Ratio Lower Upper

105 100

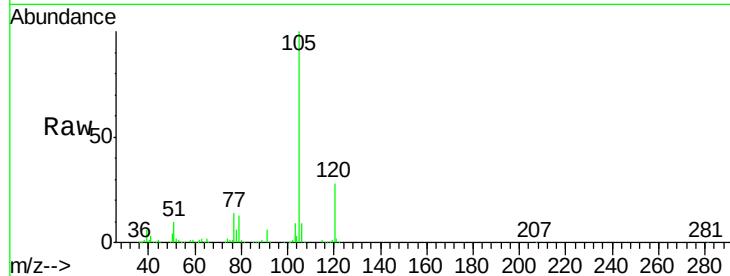
120 27.7 13.7 41.0

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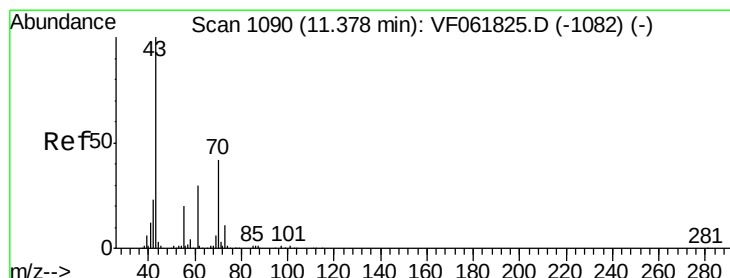
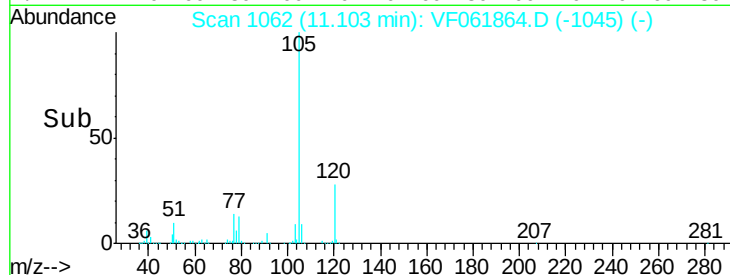
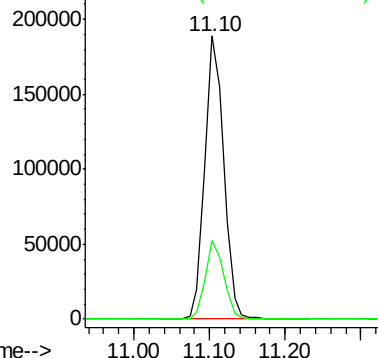
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.694 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Tgt Ion: 43 Resp: 77045

Ion Ratio Lower Upper

43 100

70 44.4 33.4 50.0

55 20.5 16.3 24.5

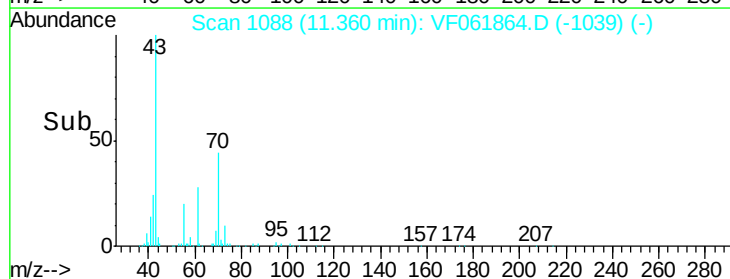
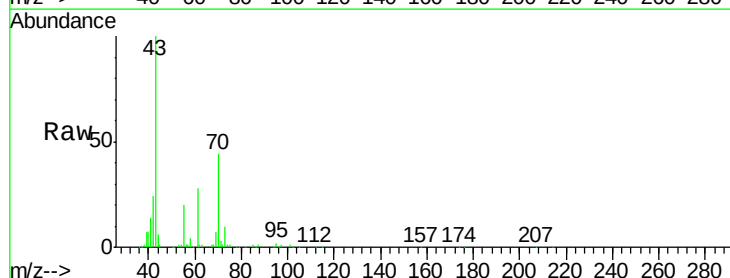
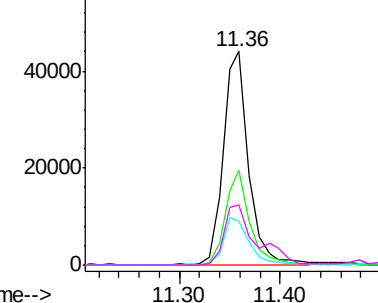
61 28.3 24.0 36.0

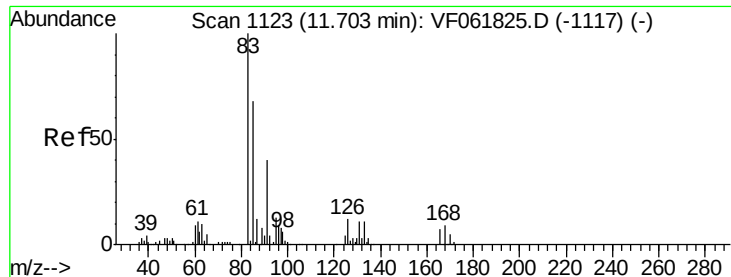
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.886 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

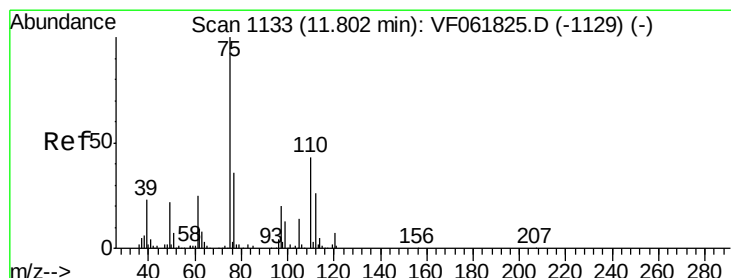
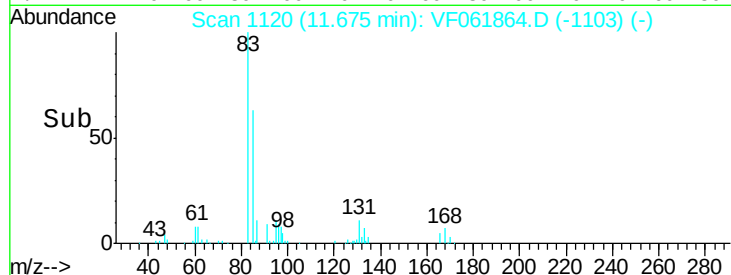
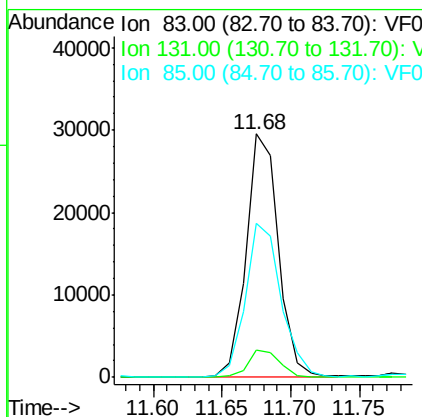
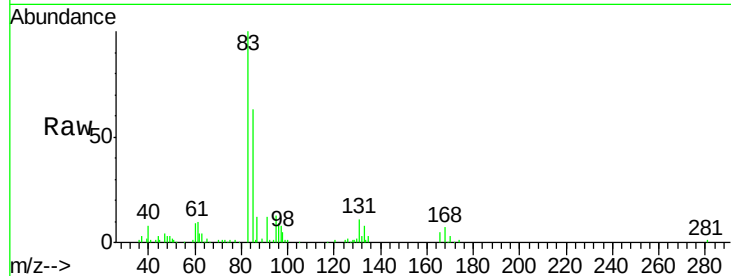
ClientSampleId :

VF0308SBSD01

Tot Ion:	83	Resp:	48421
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.7
85	63.2	34.2	102.6

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#76

1,2,3-Trichloropropane

Concen: 19.975 ug/l

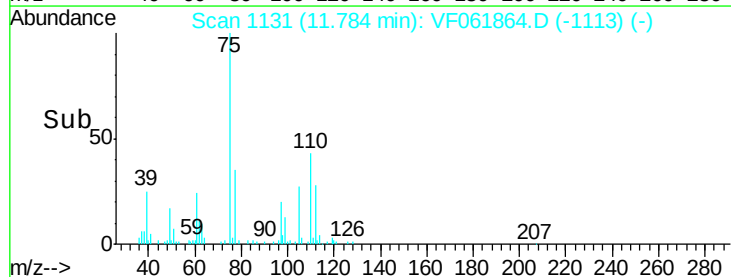
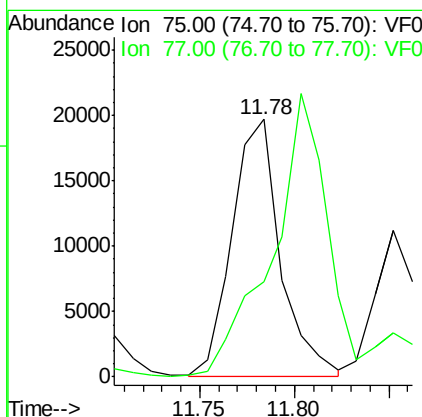
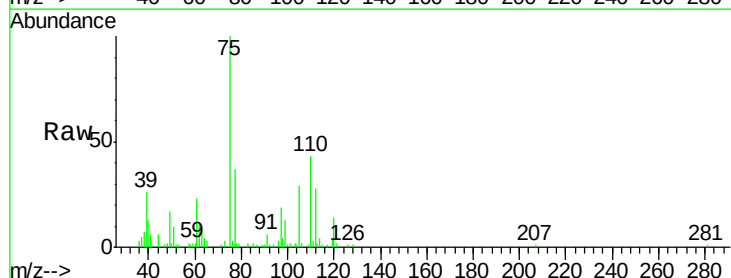
RT: 11.78 min Scan# 1131

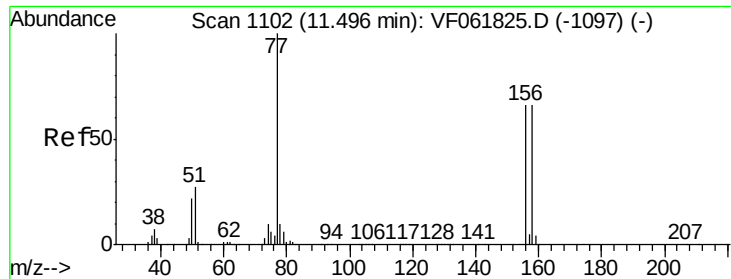
Delta R.T. -0.02 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Tgt Ion:	75	Resp:	34954
Ion Ratio	Lower	Upper	
75	100		
77	37.0	18.1	54.4





#77

Bromobenzene

Concen: 19.838 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

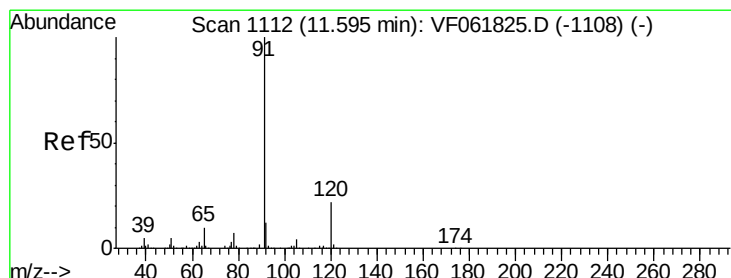
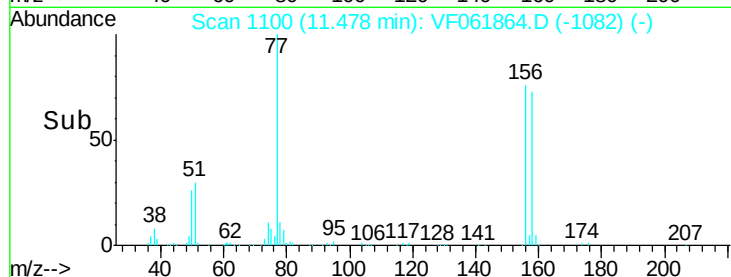
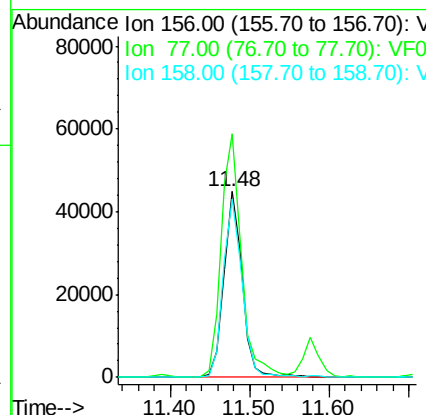
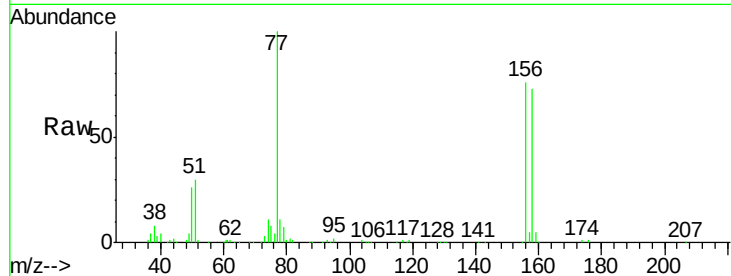
ClientSampleId :

VF0308SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	131.2	75.7	227.1	
158	96.1	50.0	150.1	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.956 ug/l

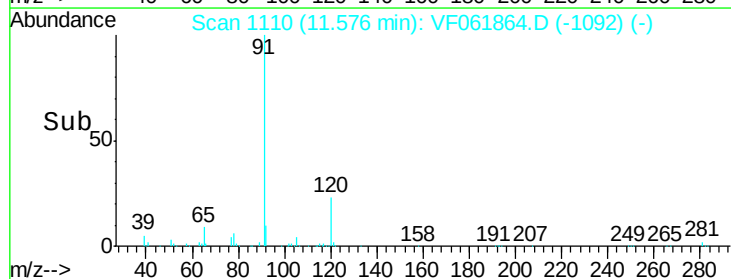
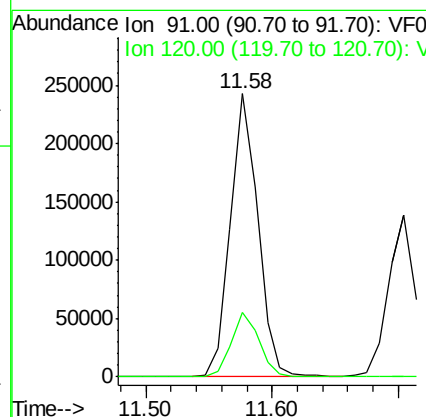
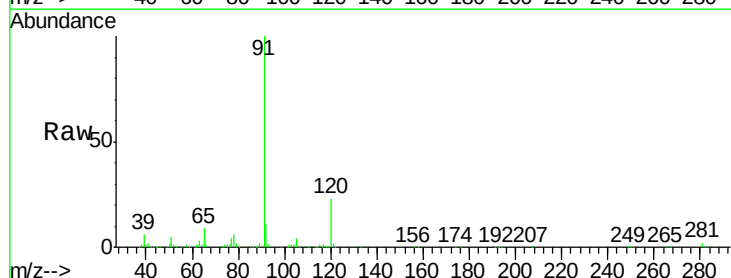
RT: 11.58 min Scan# 1110

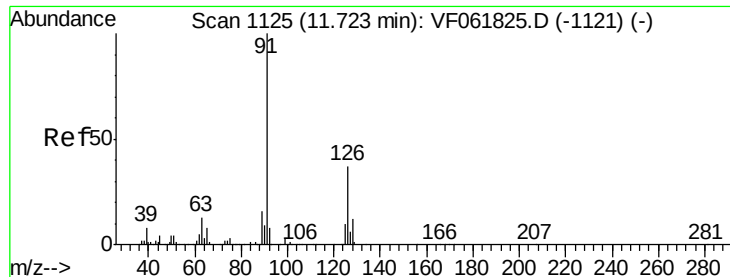
Delta R.T. -0.02 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.9	11.1	33.1	





#79

2-Chlorotoluene

Concen: 20.822 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBSD01

Tot Ion: 91 Resp: 207384

Ion Ratio Lower Upper

91 100

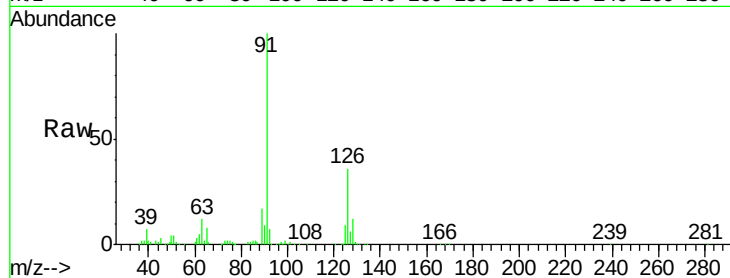
126 35.5 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

150000

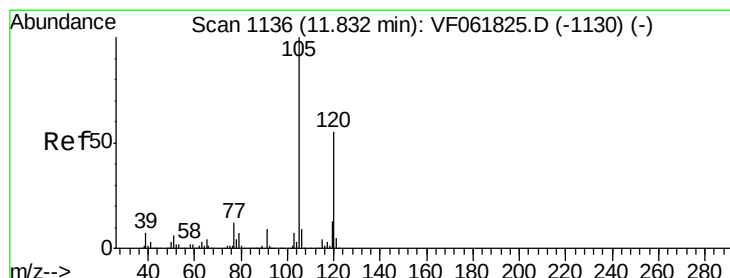
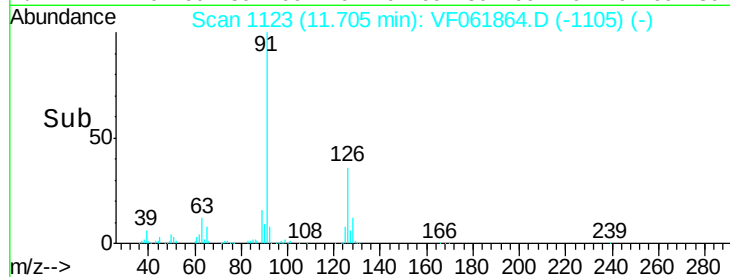
100000

50000

0

11.65 11.70 11.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.671 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.03 min

Lab File: VF061864.D

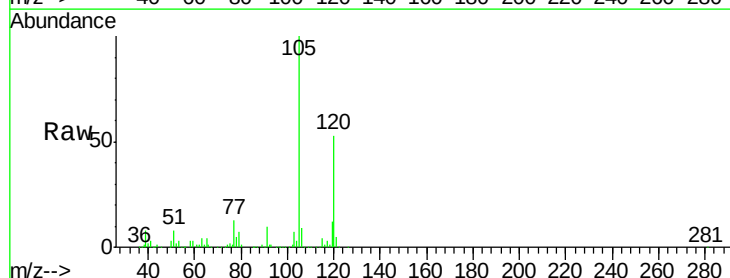
Acq: 8 Mar 2019 15:55

Tgt Ion:105 Resp: 268402

Ion Ratio Lower Upper

105 100

120 53.0 27.4 82.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

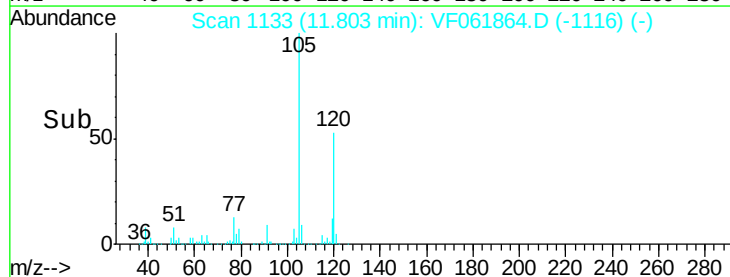
100000

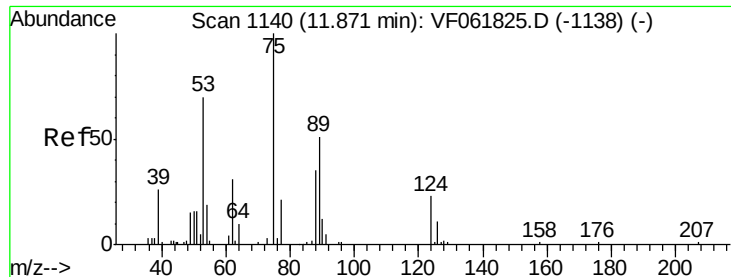
50000

0

11.70 11.80 11.90

Time-->





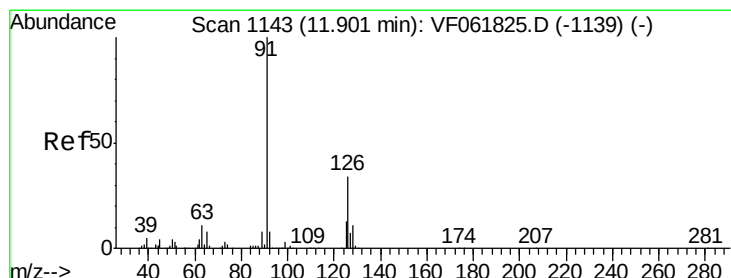
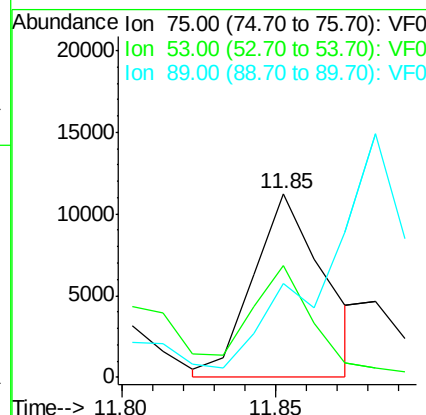
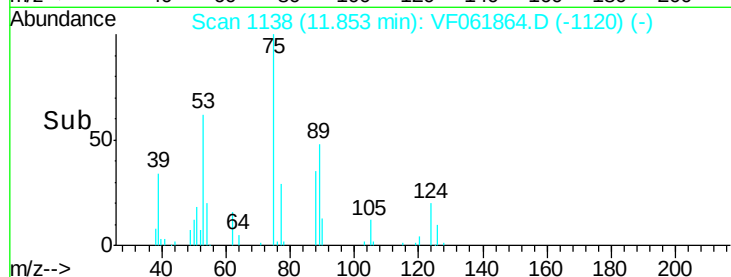
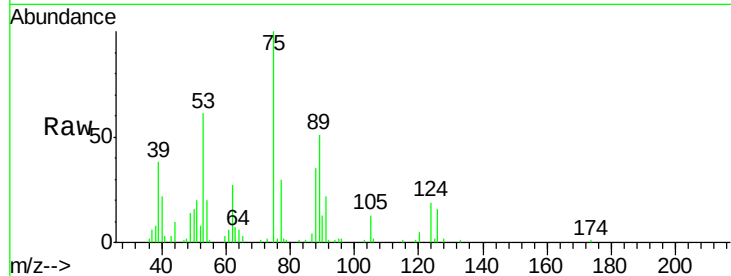
#81
trans-1,4-Dichloro-2-butene
Concen: 22.484 ug/l m
RT: 11.85 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	61.1	58.6	88.0
89	51.4	41.4	62.0

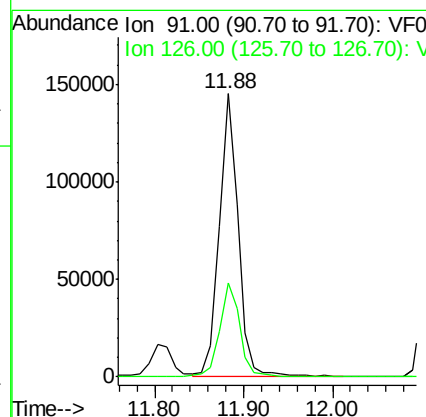
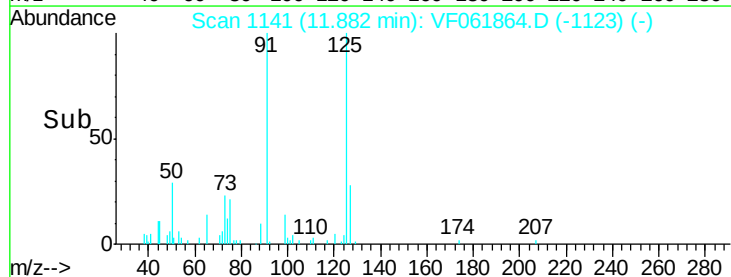
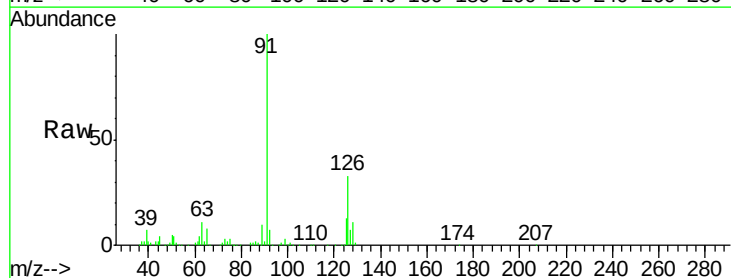
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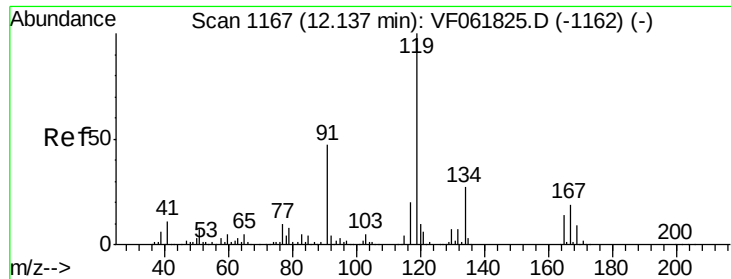
MMDadoda
3/11/2019 10:12:11 AM



#82
4-Chlorotoluene
Concen: 20.990 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	17.0	50.9





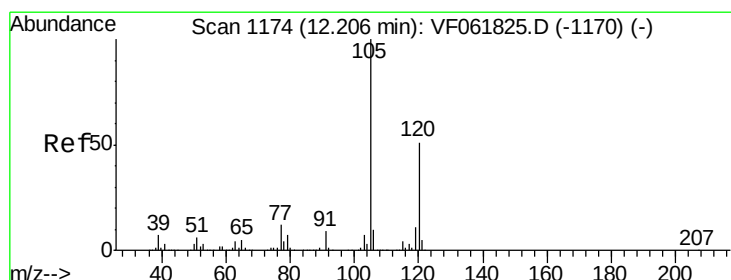
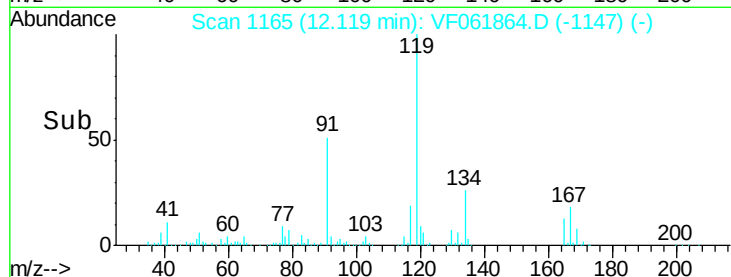
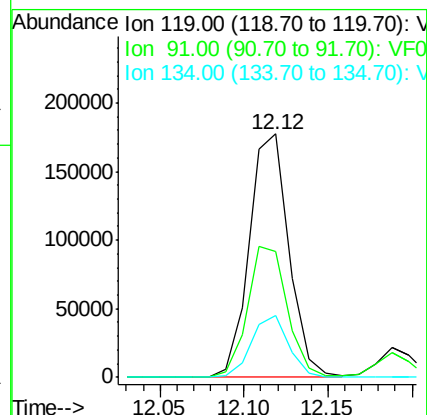
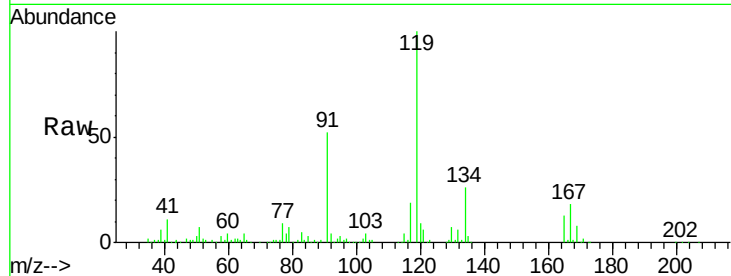
#83
tert-Butylbenzene
Concen: 22.029 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	289716		
91	51.7		23.5	70.5
134	25.5		13.3	39.8

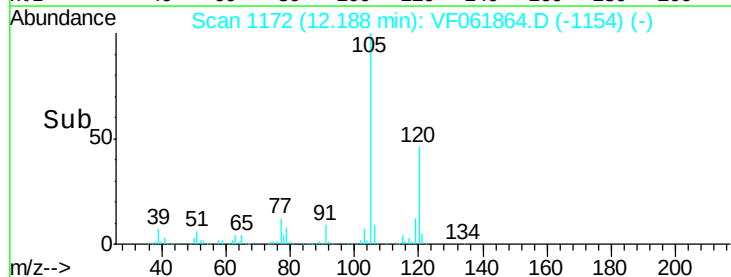
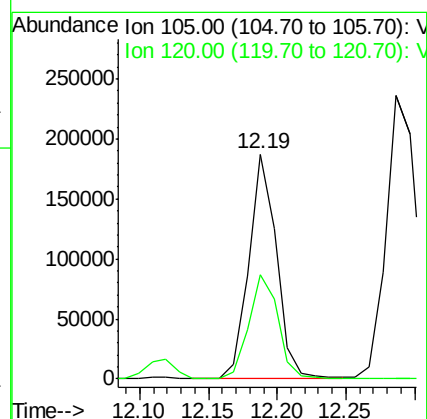
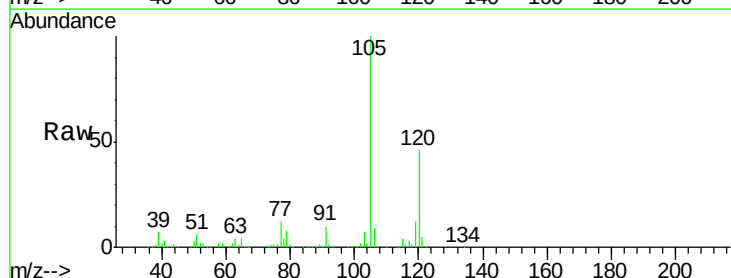
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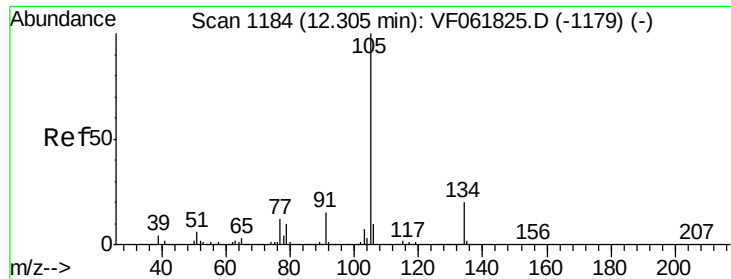
MMDadoda
3/11/2019 10:12:11 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.648 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	262837		
120	46.3		25.8	77.4





#85

sec-Butylbenzene

Concen: 21.431 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampled :

VF0308SBSD01

Tot Ion:105 Resp: 366781

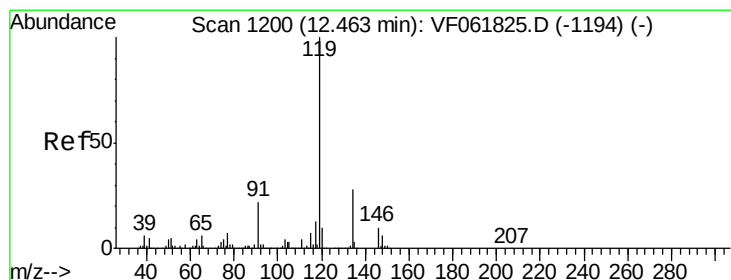
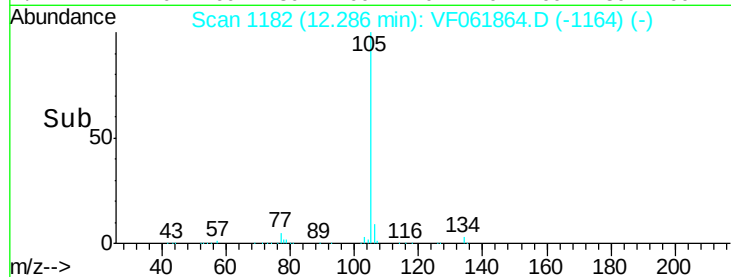
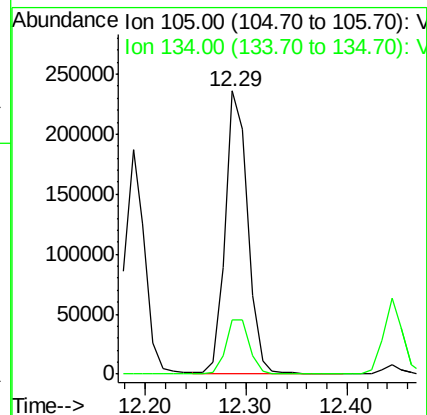
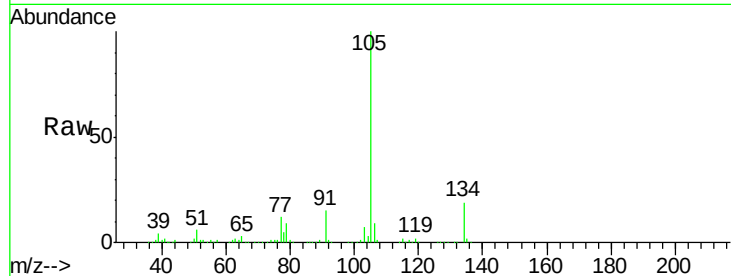
Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 22.273 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF061864.D

Acq: 8 Mar 2019 15:55

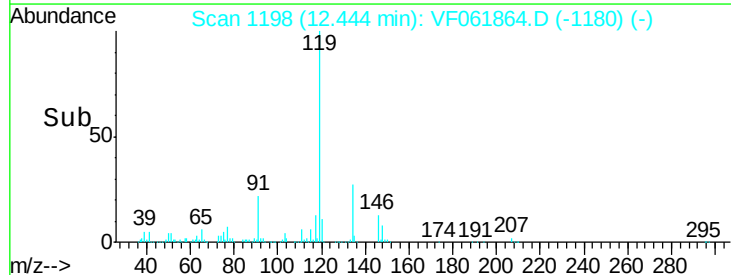
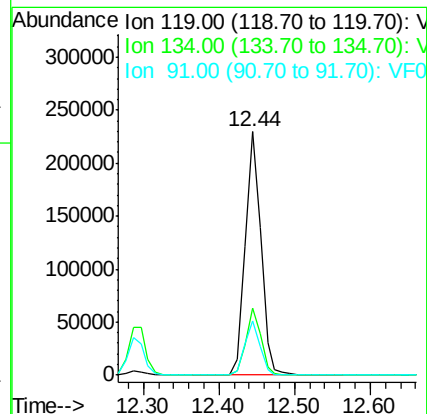
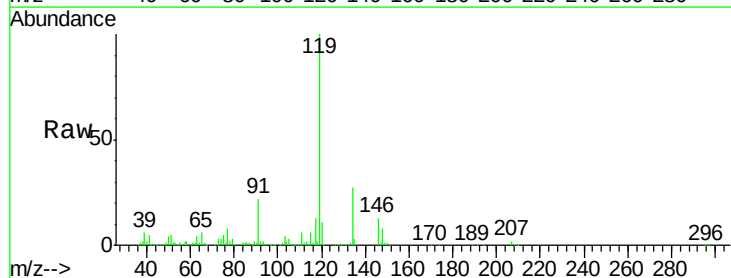
Tgt Ion:119 Resp: 324015

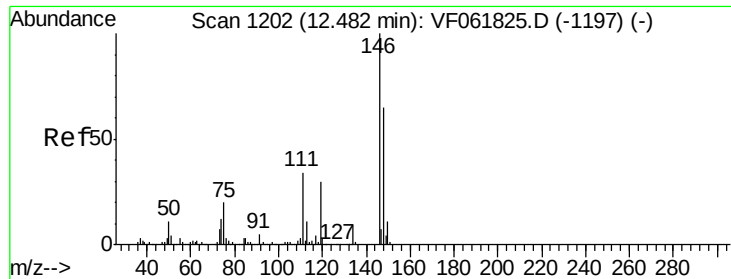
Ion Ratio Lower Upper

119 100

134 27.5 14.0 42.0

91 22.4 11.1 33.3





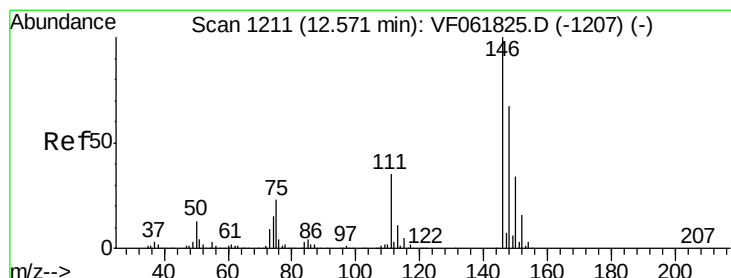
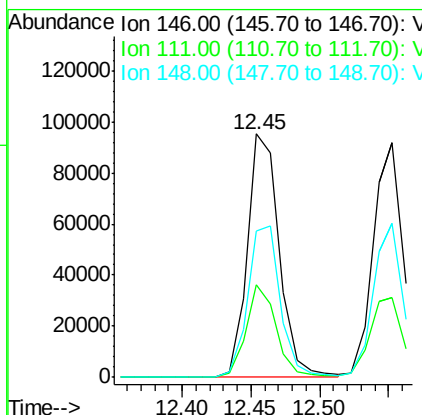
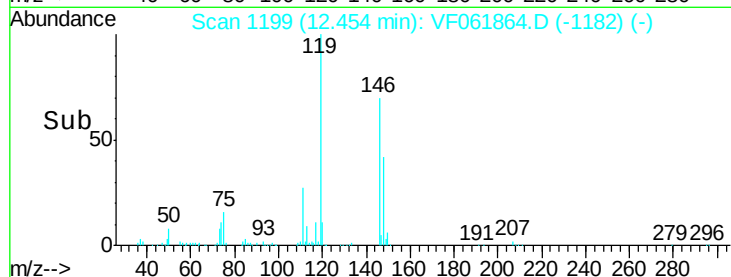
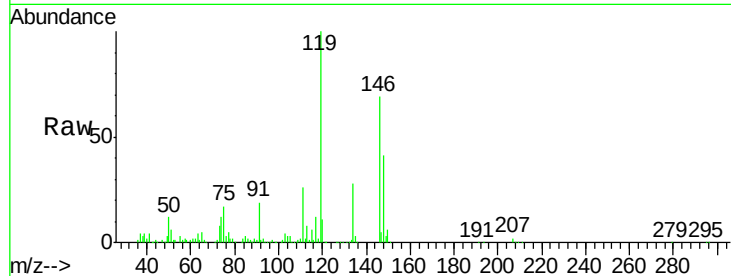
#87
 1,3-Dichlorobenzene
 Concen: 21.962 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0308SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	17.0	51.0
148	60.3	32.5	97.5

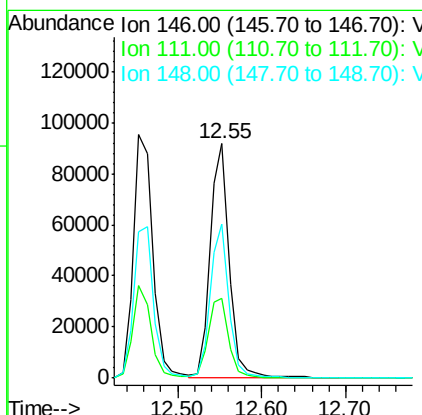
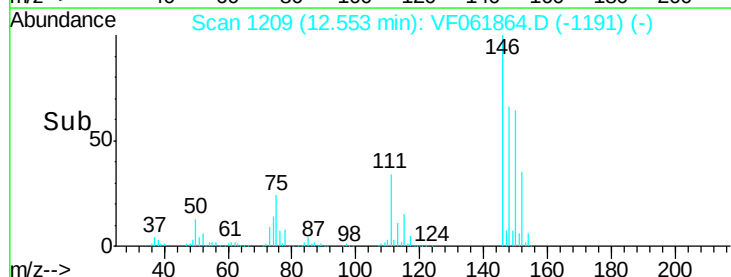
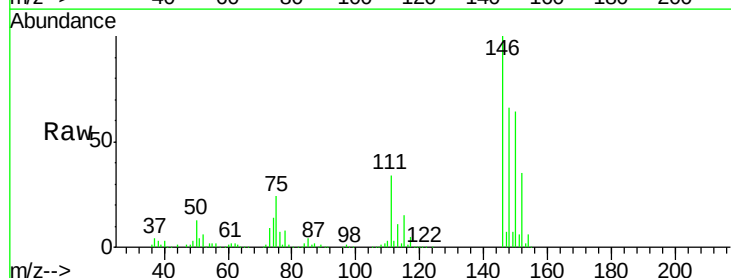
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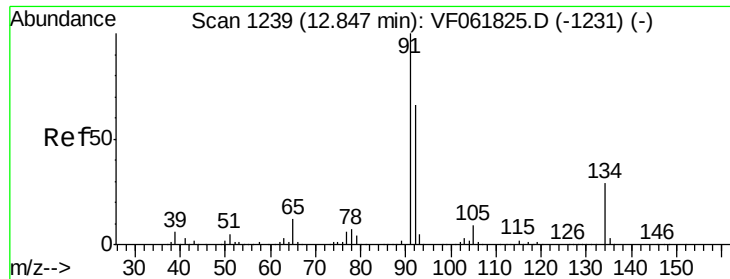
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#88
 1,4-Dichlorobenzene
 Concen: 21.016 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.8	17.6	52.9
148	65.8	33.5	100.4





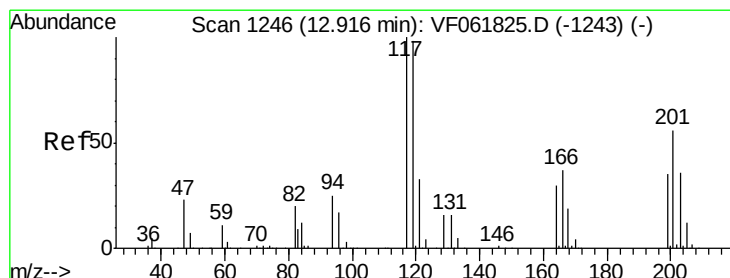
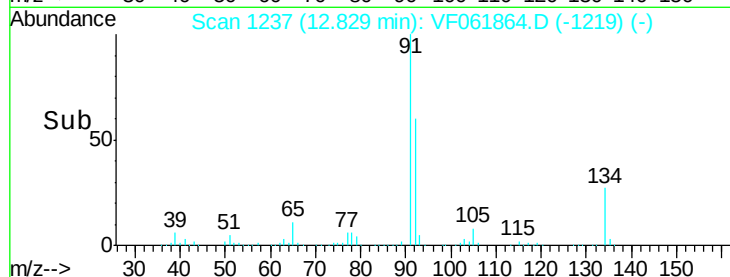
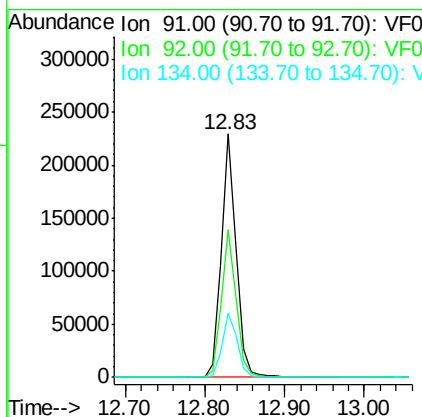
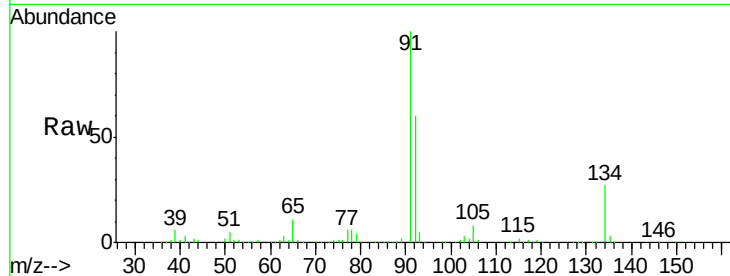
#89
n-Butylbenzene
Concen: 21.783 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.4	32.9	98.6
134	26.7	14.5	43.6

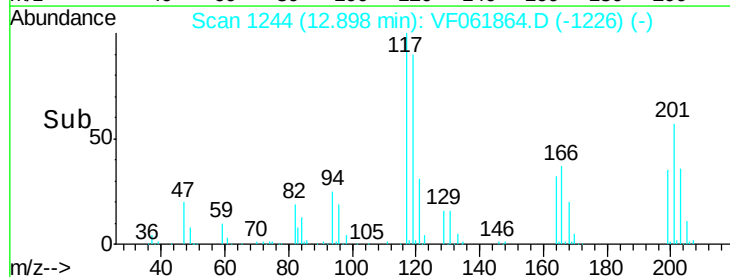
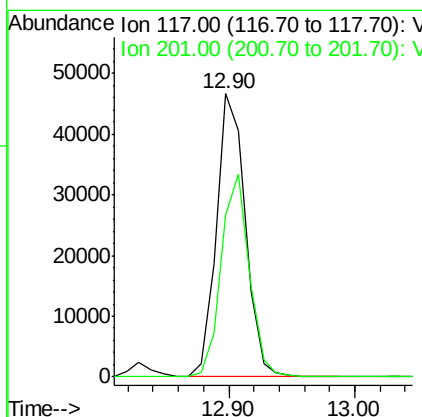
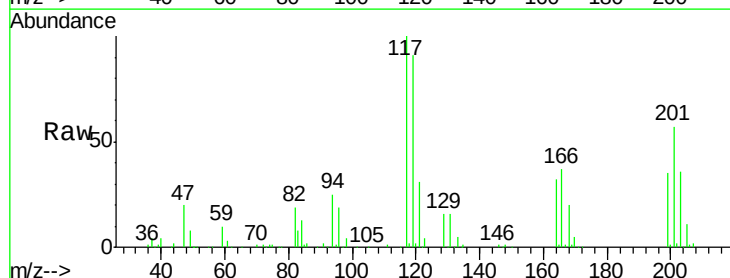
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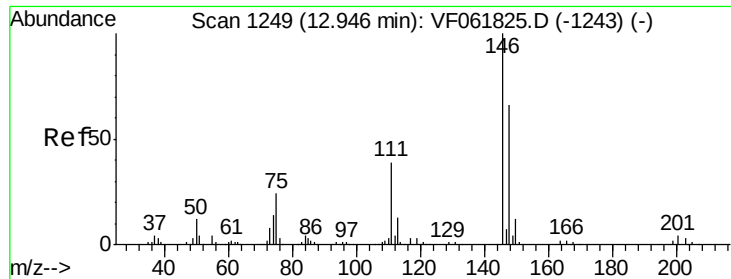
MMDadoda
3/11/2019 10:12:11 AM



#90
Hexachloroethane
Concen: 21.282 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	57.1	27.8	83.4





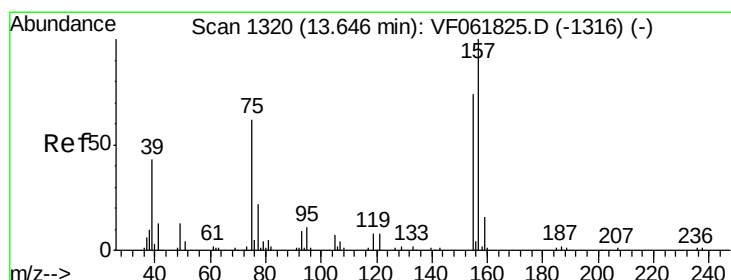
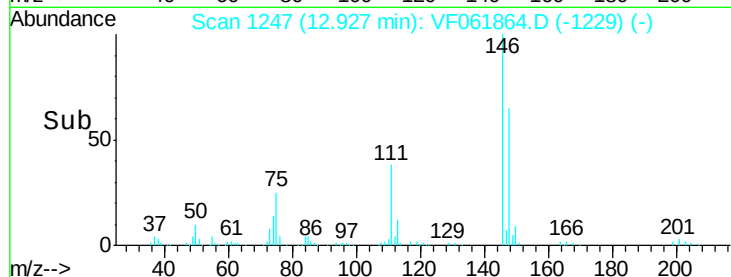
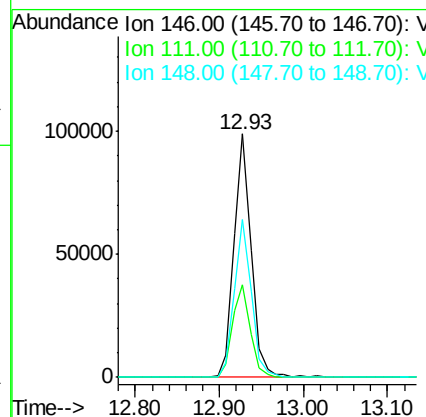
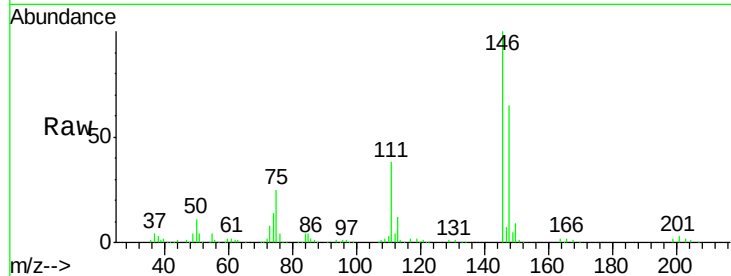
#91
 1,2-Dichlorobenzene
 Concen: 21.127 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0308SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	141110		
111	38.0	19.4	58.4	
148	65.0	33.0	98.9	

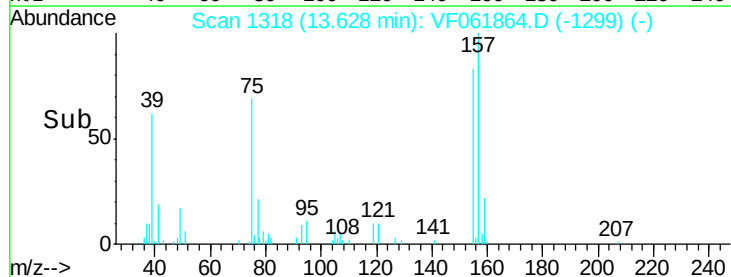
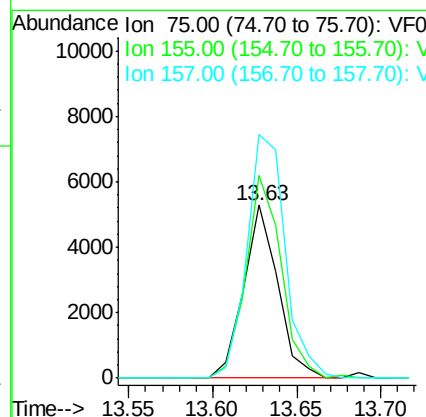
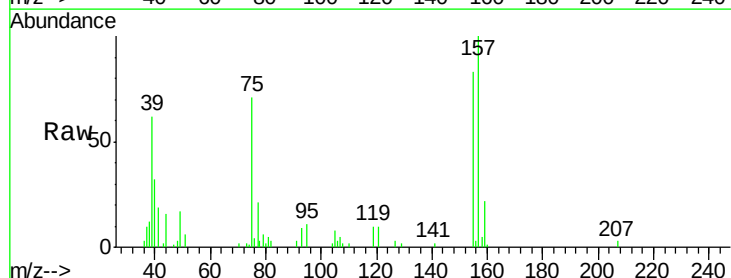
Manual Integrations
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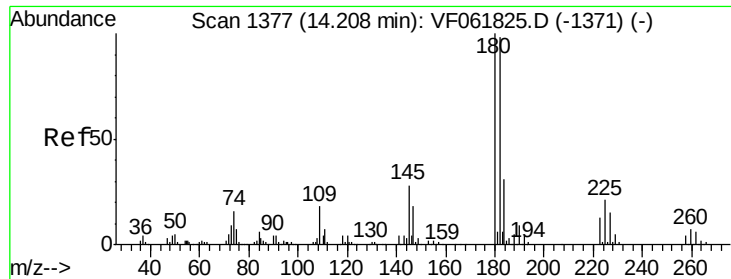
MMDadoda
 3/11/2019 10:12:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.155 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7409		
155	117.6	59.8	179.4	
157	141.0	81.2	243.4	





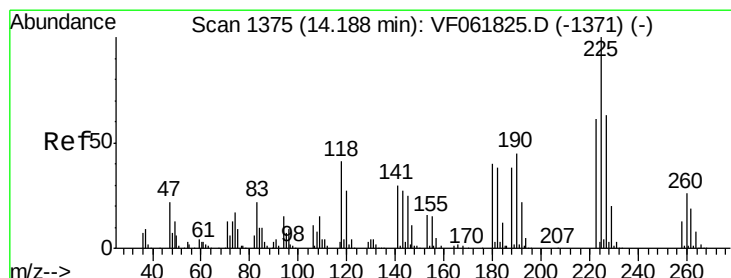
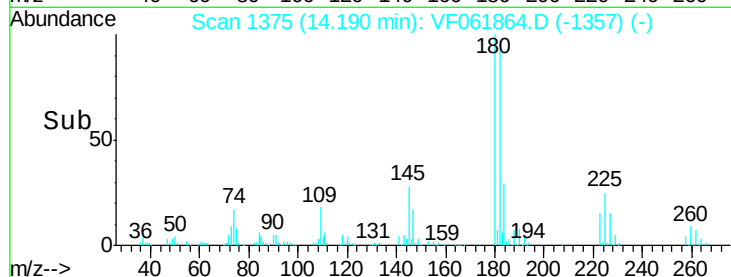
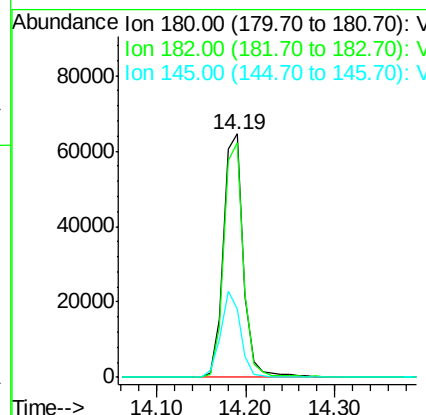
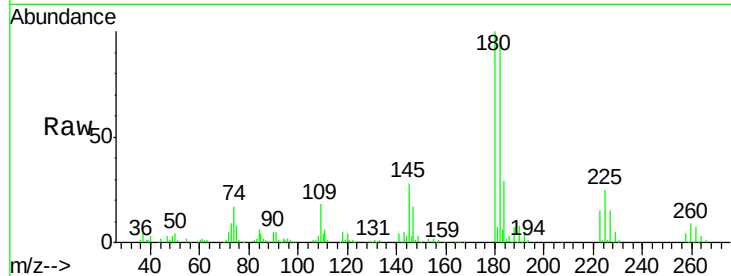
#93
 1,2,4-Trichlorobenzene
 Concen: 21.756 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0308SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101872		
182	96.5	49.0	147.2	
145	27.8	14.1	42.4	

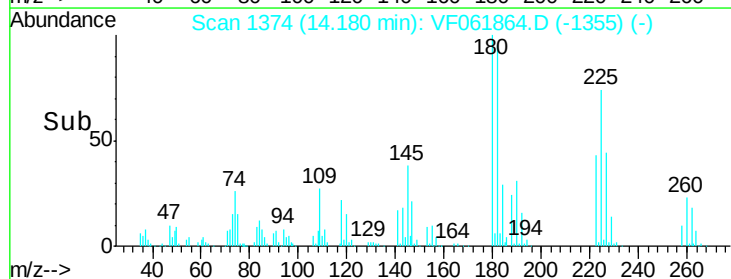
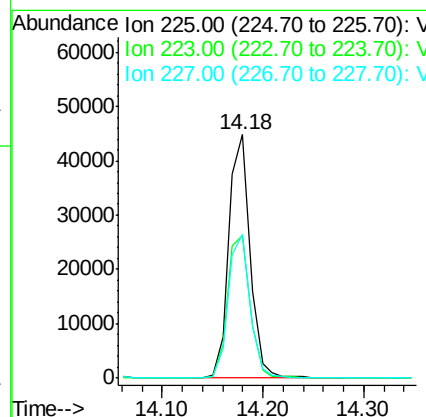
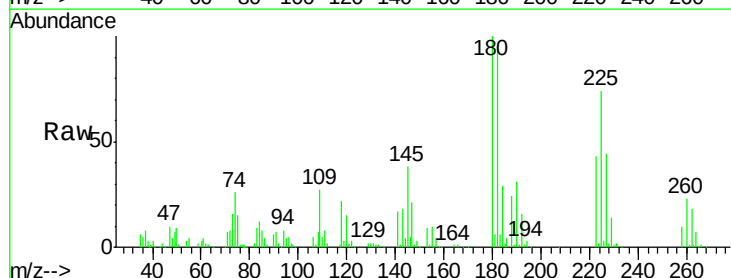
Manual Integrations
 APPROVED

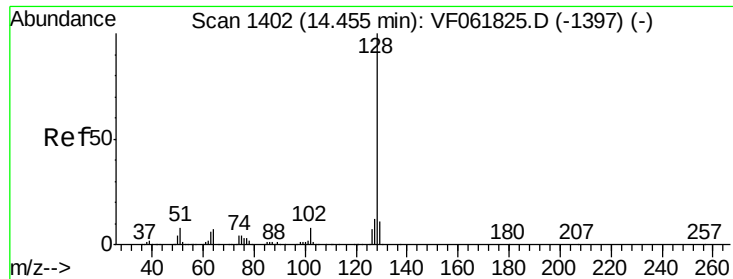
MMDadoda
 3/11/2019 10:12:11 AM



#94
 Hexachlorobutadiene
 Concen: 20.281 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061864.D
 Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65741		
223	58.5	30.3	90.9	
227	59.2	31.3	93.8	





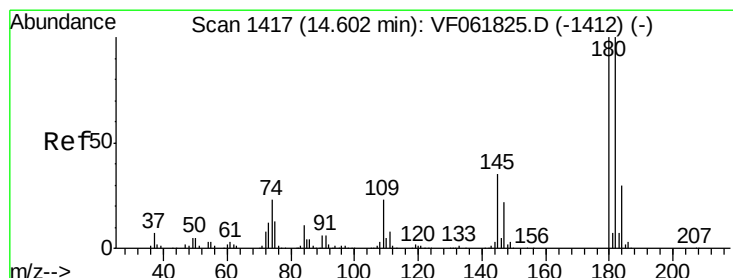
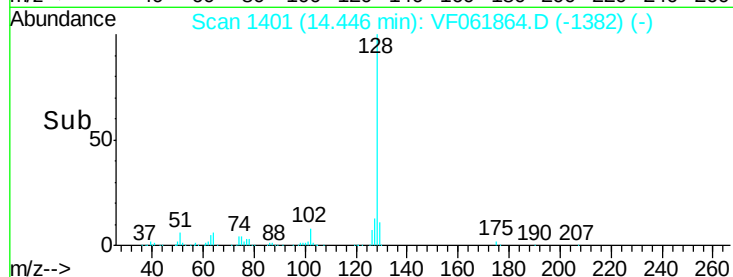
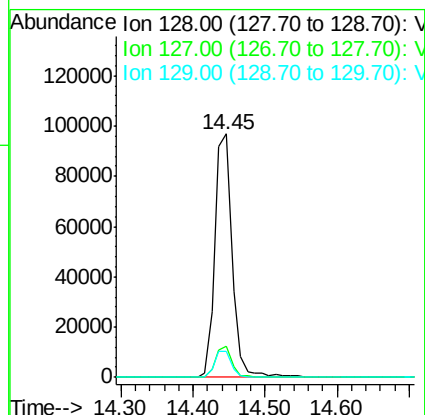
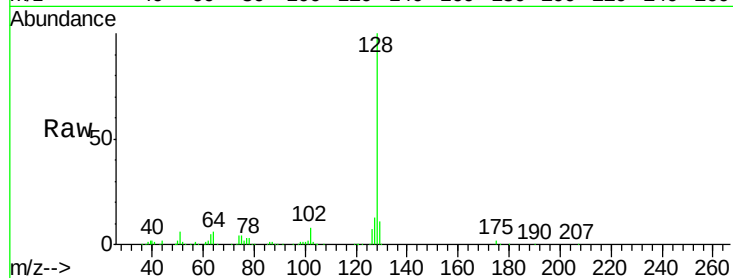
#95
Naphthalene
Concen: 19.156 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0308SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.3	13.9
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 10:12:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.012 ug/l
RT: 14.58 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF061864.D
Acq: 8 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.3	50.2	150.7
145	35.4	17.5	52.5

