

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042619\
 Data File : VF062306.D
 Acq On : 26 Apr 2019 15:35
 Operator : FY/SY
 Sample : VF0426SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 3:59:43 PM

Quant Time: Apr 27 01:04:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	396879	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.80	114	546196	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.94	117	397629	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	237725	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	181915	56.59	ug/l	0.02
Spiked Amount	50.000		Recovery	=	113.18%	
35) Dibromofluoromethane	4.33	113	212608	52.50	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	7.75	98	497960	50.34	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	11.52	95	213885	52.46	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	107653	22.825	ug/l	95
3) Chloromethane	1.15	50	75892	19.101	ug/l	98
4) Vinyl Chloride	1.20	62	72058	19.149	ug/l	99
5) Bromomethane	1.39	94	53219	20.825	ug/l	97
6) Chloroethane	1.45	64	33715	20.438	ug/l	99
7) Trichlorofluoromethane	1.56	101	128759	21.533	ug/l	97
8) Diethyl Ether	1.72	74	21179	19.551	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.92	101	84905	22.626	ug/l	97
10) Methyl Iodide	1.99	142	134682	20.533	ug/l	94
11) Tert butyl alcohol	2.73	59	22177	114.041	ug/l	97
12) 1,1-Dichloroethene	1.88	96	67437	20.141	ug/l	90
13) Acrolein	2.12	56	18865	108.307	ug/l	95
14) Allyl chloride	2.22	41	76056	20.872	ug/l #	12
15) Acrylonitrile	3.11	53	50019	92.867	ug/l #	90
16) Acetone	2.37	43	79515	110.472	ug/l	92
17) Carbon Disulfide	1.93	76	170099	19.303	ug/l	99
18) Methyl Acetate	2.48	43	30467	21.029	ug/l #	91
19) Methyl tert-butyl Ether	2.57	73	140129	21.953	ug/l	94
20) Methylene Chloride	2.35	84	71301	20.040	ug/l	92
21) trans-1,2-Dichloroethene	2.44	96	71321	21.554	ug/l	98
22) Diisopropyl ether	2.95	45	202074	20.599	ug/l	97
23) Vinyl Acetate	3.37	43	460723	105.912	ug/l	99
24) 1,1-Dichloroethane	3.03	63	123451	22.049	ug/l	99
25) 2-Butanone	4.56	43	112496	98.570	ug/l	98
26) 2,2-Dichloropropane	3.80	77	64168	22.069	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	83482	19.923	ug/l	97
28) Bromochloromethane	3.93	49	46628	19.762	ug/l #	98
29) Tetrahydrofuran	4.30	42	50419	100.541	ug/l	95
30) Chloroform	4.08	83	149939	21.327	ug/l	99
31) Cyclohexane	3.91	56	103118	19.355	ug/l	97
32) 1,1,1-Trichloroethane	4.31	97	131276	23.782	ug/l #	84
36) 1,1-Dichloropropene	4.50	75	109414	21.713	ug/l	98
37) Ethyl Acetate	4.34	43	47405	22.361	ug/l #	79
38) Carbon Tetrachloride	4.22	117	120932m	23.607	ug/l	

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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	5.67	83	121666	20.683	ug/l	98
40) Benzene	4.86	78	250255	20.555	ug/l	97
41) Methacrylonitrile	4.97	41	24620	20.905	ug/l #	64
42) 1,2-Dichloroethane	5.16	62	90985	23.590	ug/l	99
43) Isopropyl Acetate	7.14	43	47255	21.633	ug/l #	97
44) Trichloroethene	5.71	130	90323	21.928	ug/l	98
45) 1,2-Dichloropropane	6.43	63	57872	21.083	ug/l	100
46) Dibromomethane	6.30	93	44153	22.276	ug/l	97
47) Bromodichloromethane	6.58	83	106715	22.902	ug/l	92
48) Methyl methacrylate	6.91	41	30292	19.503	ug/l	97
49) 1,4-Dioxane	6.91	88	6201	346.723	ug/l #	83
51) 4-Methyl-2-Pentanone	8.44	43	168505	100.880	ug/l	97
52) Toluene	7.80	92	138837	19.763	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	76232	22.248	ug/l	95
54) cis-1,3-Dichloropropene	7.49	75	93720	21.351	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	43190	21.646	ug/l	97
56) Ethyl methacrylate	8.79	69	44250	20.187	ug/l	92
57) 1,3-Dichloropropane	9.03	76	65627	20.920	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.48	63	70071	105.054	ug/l	95
59) 2-Hexanone	9.65	43	118003	107.654	ug/l	97
60) Dibromochloromethane	8.89	129	70543	21.784	ug/l	99
61) 1,2-Dibromoethane	9.16	107	49174	21.294	ug/l	97
64) Tetrachloroethene	8.34	164	73046	21.963	ug/l	98
65) Chlorobenzene	9.96	112	154700	21.290	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.09	131	75724	22.125	ug/l	97
67) Ethyl Benzene	10.06	91	283691	22.458	ug/l	95
68) m/p-Xylenes	10.29	106	212334	45.147	ug/l	93
69) o-Xylene	10.84	106	109327	20.807	ug/l	94
70) Styrene	10.91	104	165457	21.783	ug/l	98
71) Bromoform	10.90	173	43228	22.438	ug/l #	97
73) Isopropylbenzene	11.23	105	335277	20.585	ug/l	98
74) N-amyl acetate	11.47	43	71550	19.066	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	53359	20.620	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	38598	21.023	ug/l #	100
77) Bromobenzene	11.60	156	86593	21.267	ug/l	99
78) n-propylbenzene	11.69	91	357971	20.887	ug/l	98
79) 2-Chlorotoluene	11.82	91	225012	21.797	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	288067	20.950	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	18063m	22.010	ug/l	
82) 4-Chlorotoluene	11.99	91	218604	21.401	ug/l	98
83) tert-Butylbenzene	12.22	119	300891	21.323	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	285392	21.431	ug/l	97
85) sec-Butylbenzene	12.39	105	371372	21.130	ug/l	99
86) p-Isopropyltoluene	12.54	119	347213	22.035	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	161204	22.378	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	148745	21.778	ug/l	99
89) n-Butylbenzene	12.92	91	306490	21.406	ug/l	96
90) Hexachloroethane	12.99	117	87135	22.060	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	147918	21.392	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10381	19.886	ug/l	93

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ClientSampleId :
VF0426SBS01

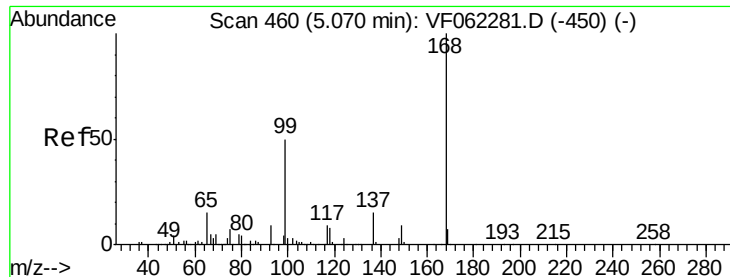
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	138123	22.737	ug/l	98
94) Hexachlorobutadiene	14.25	225	98549	22.558	ug/l	99
95) Naphthalene	14.51	128	195087	20.729	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	130590	22.730	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 462

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion:168 Resp: 396879

Ion Ratio Lower Upper

168 100

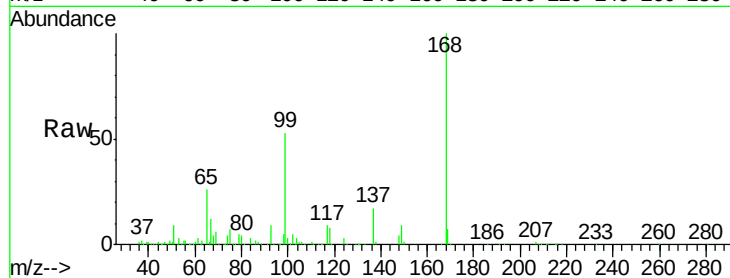
99 53.3 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.08

150000

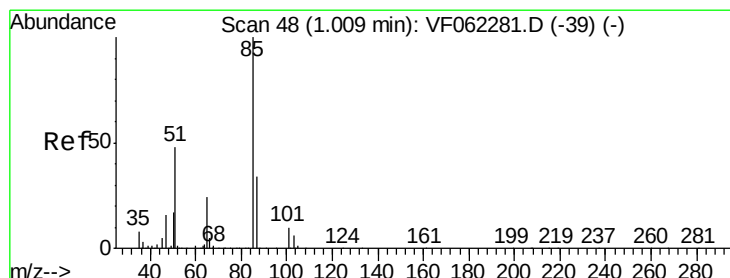
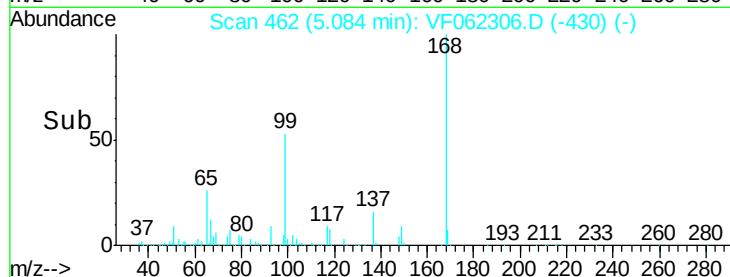
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50000

0

5.00 5.20 5.40

Time-->



#2

Dichlorodifluoromethane

Concen: 22.825 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062306.D

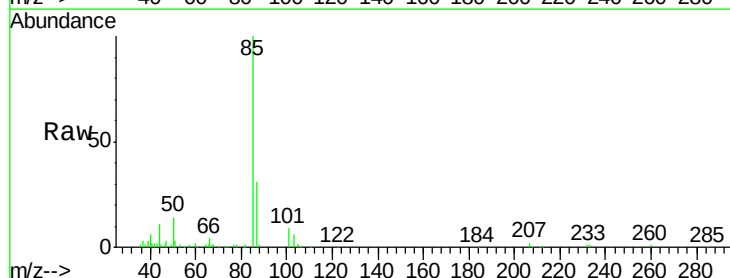
Acq: 26 Apr 2019 15:35

Tgt Ion: 85 Resp: 107653

Ion Ratio Lower Upper

85 100

87 31.1 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

30000

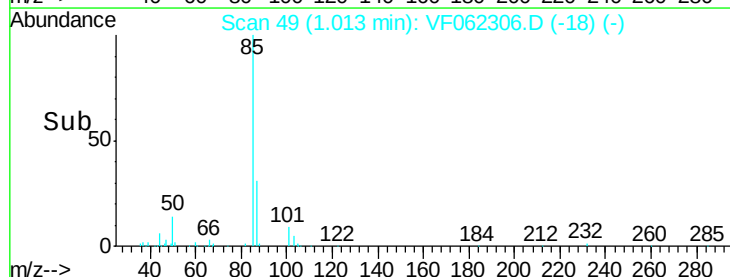
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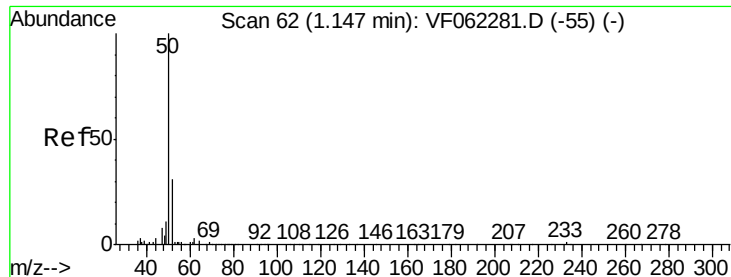
10000

0

0.80 1.00 1.20

Time-->





#3

Chloromethane

Concen: 19.101 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 50 Resp: 75892

Ion Ratio Lower Upper

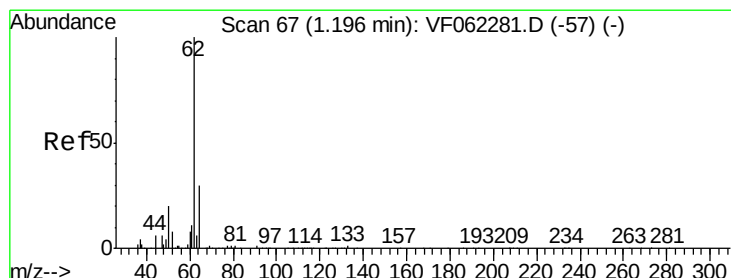
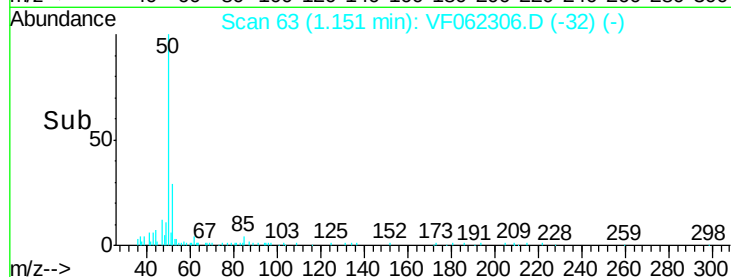
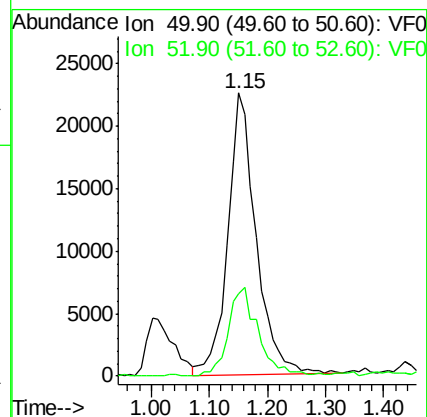
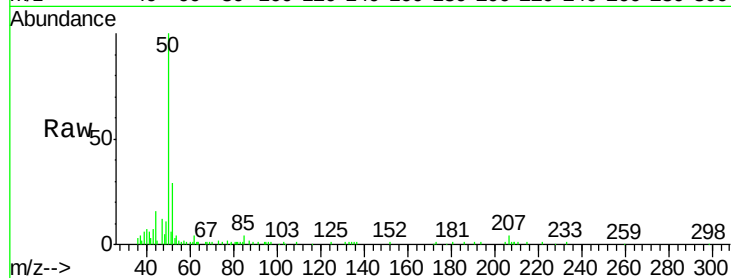
50 100

52 29.2 24.2 36.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.149 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.00 min

Lab File: VF062306.D

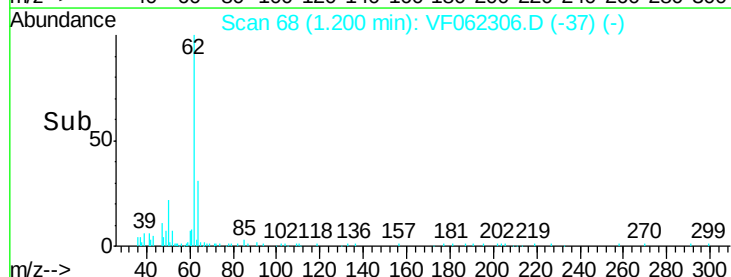
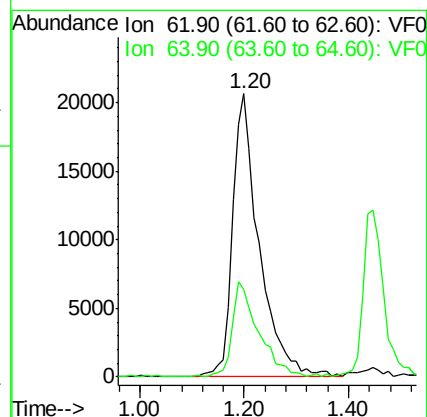
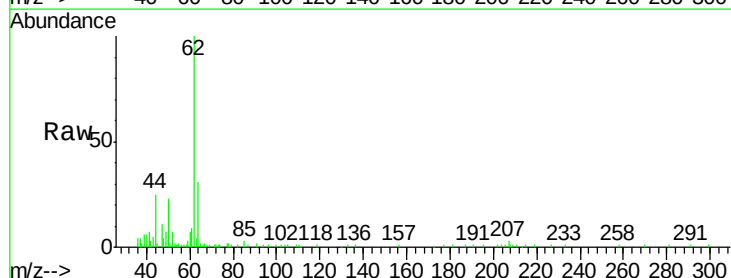
Acq: 26 Apr 2019 15:35

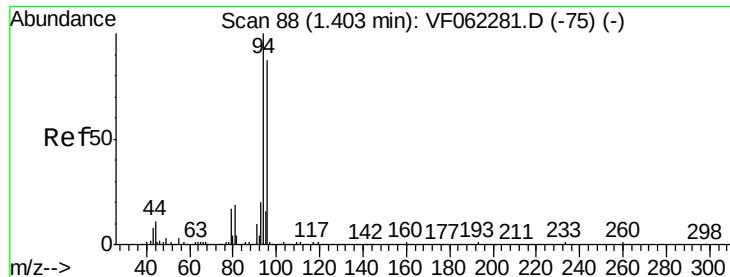
Tgt Ion: 62 Resp: 72058

Ion Ratio Lower Upper

62 100

64 30.9 24.3 36.5





#5

Bromomethane

Concen: 20.825 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 94 Resp: 53219

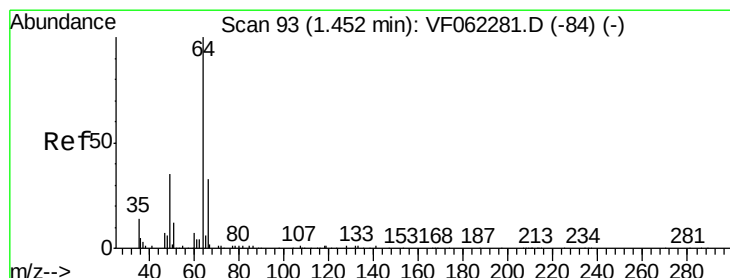
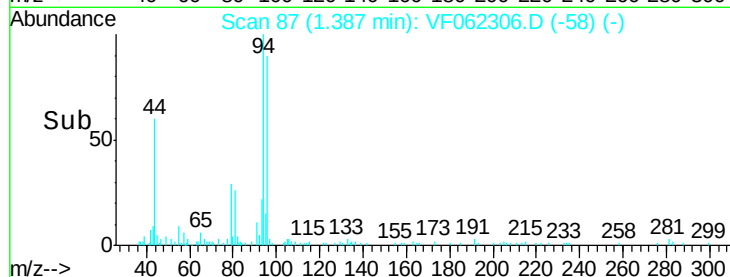
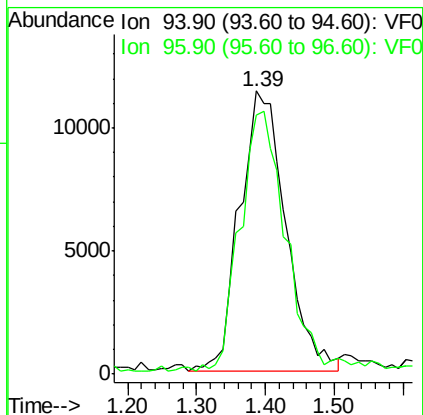
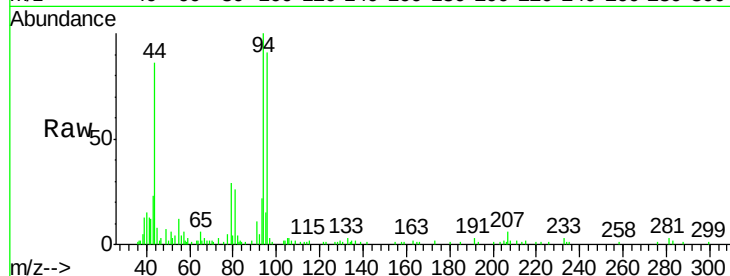
Ion Ratio Lower Upper

94 100

96 89.7 69.5 104.3

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#6

Chloroethane

Concen: 20.438 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062306.D

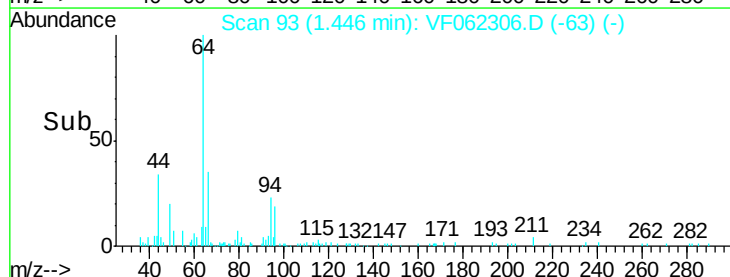
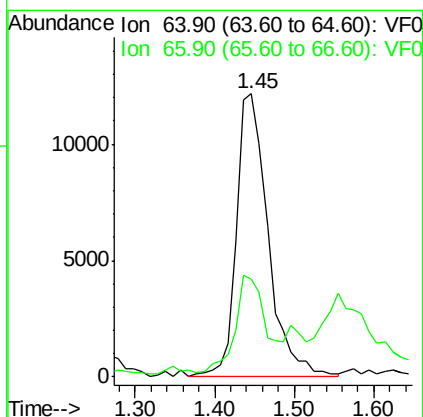
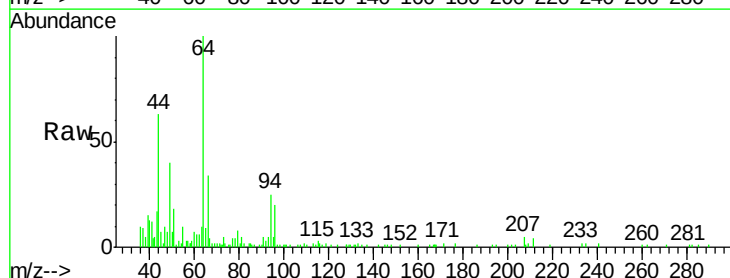
Acq: 26 Apr 2019 15:35

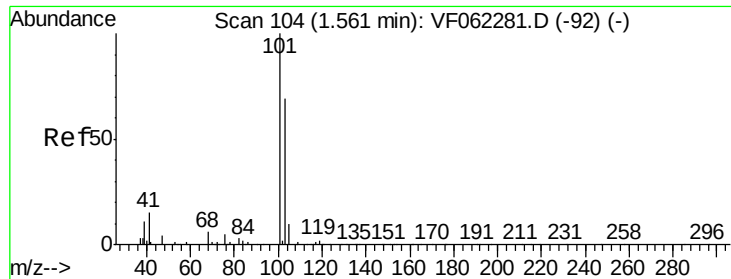
Tgt Ion: 64 Resp: 33715

Ion Ratio Lower Upper

64 100

66 32.0 26.0 39.0





#7

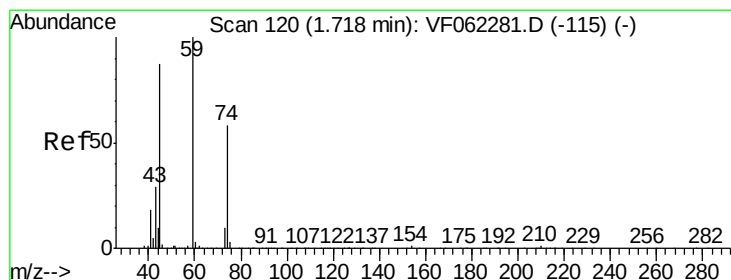
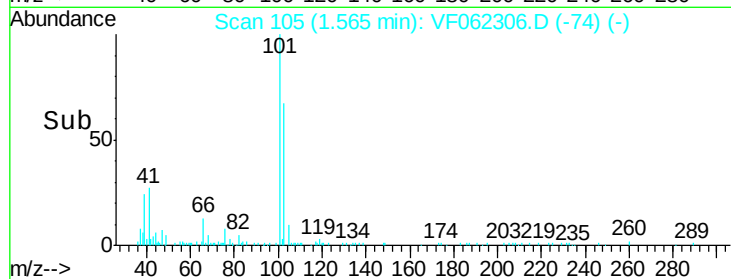
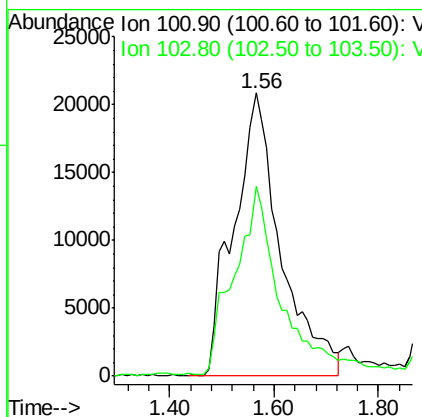
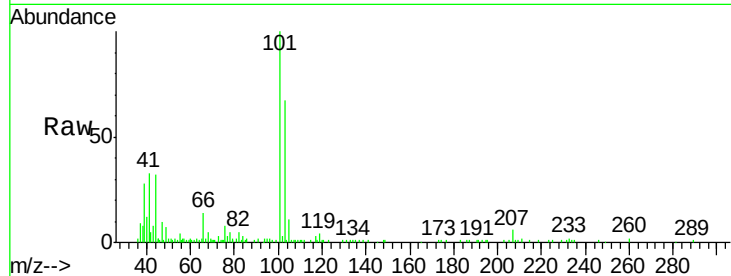
Trichlorofluoromethane
Concen: 21.533 ug/l
RT: 1.56 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
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ClientSampleId :
VF0426SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	55.0	82.6

Manual Integrations
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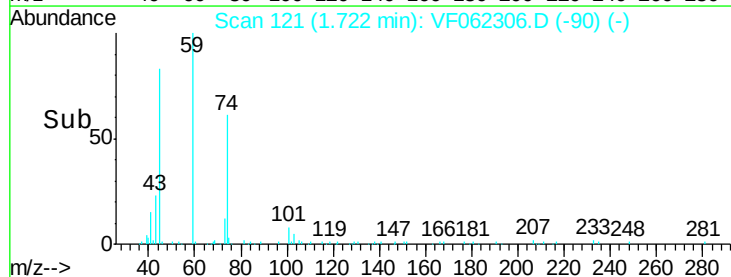
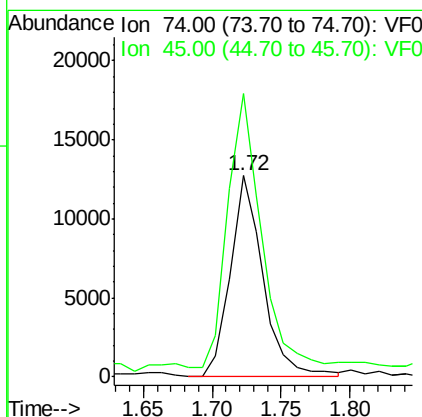
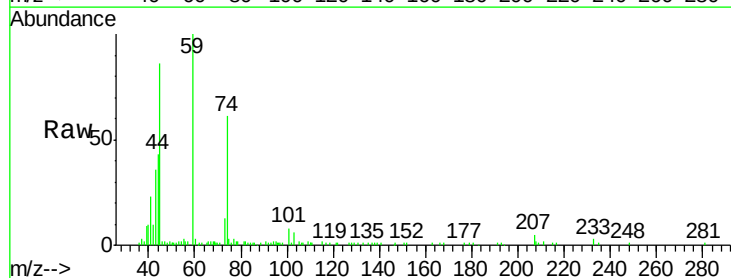
MMDadoda
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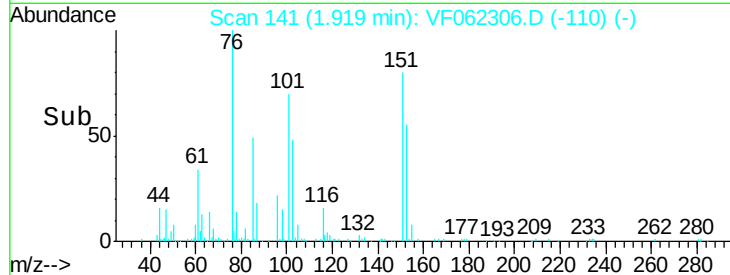
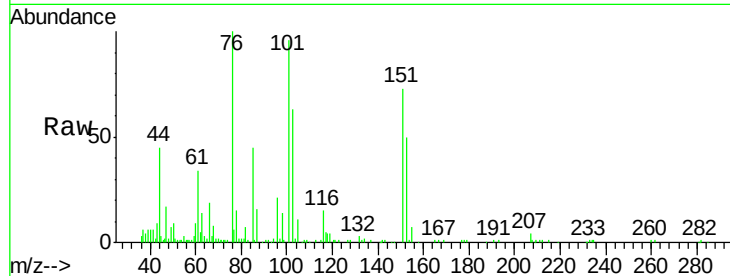
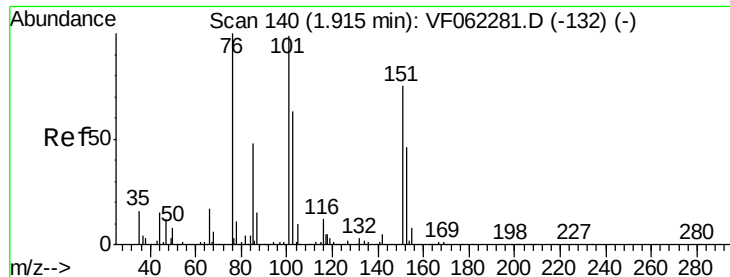


#8

Diethyl Ether
Concen: 19.551 ug/l
RT: 1.72 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.4	74.0	222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.626 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062306.D

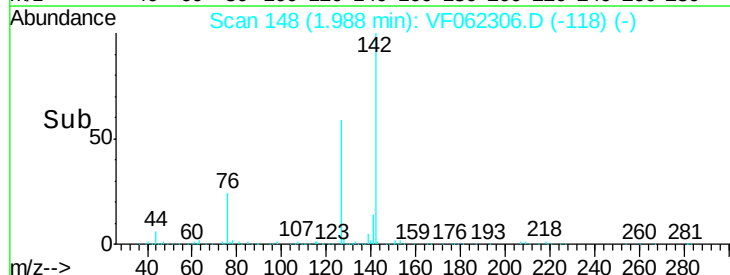
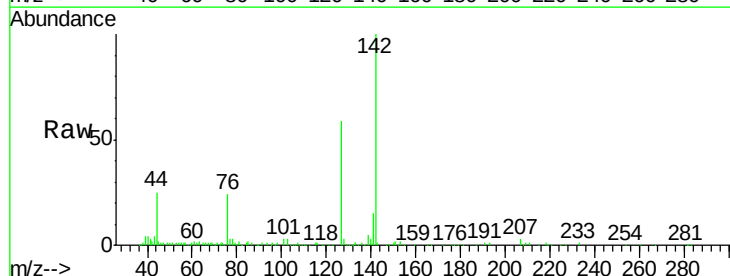
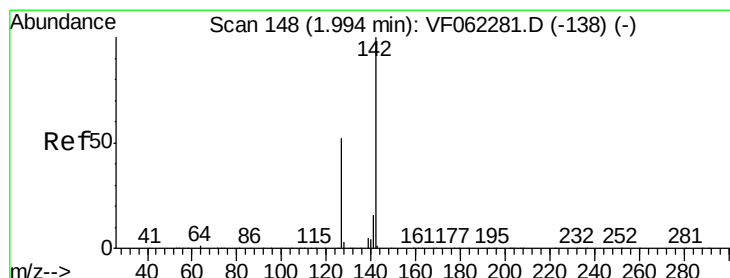
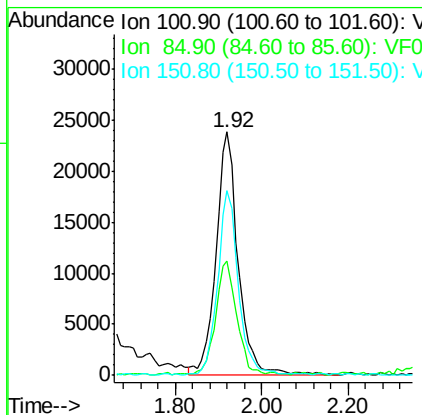
Acq: 26 Apr 2019 15:35

Instrument :
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ClientSampleId :
VF0426SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	84905		
85	43.7	36.5	54.7	
151	71.4	59.2	88.8	

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 20.533 ug/l

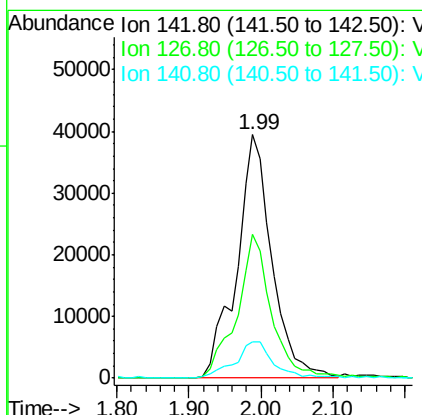
RT: 1.99 min Scan# 148

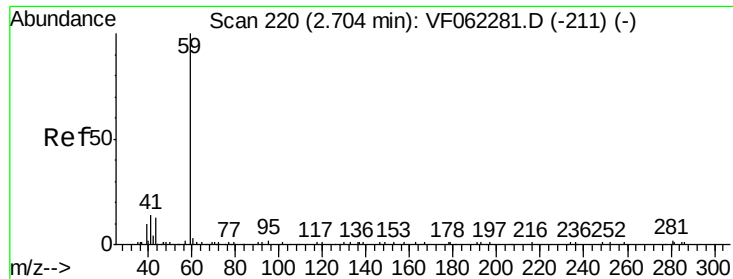
Delta R.T. -0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	134682		
127	58.8	43.0	64.4	
141	16.3	12.3	18.5	





#11

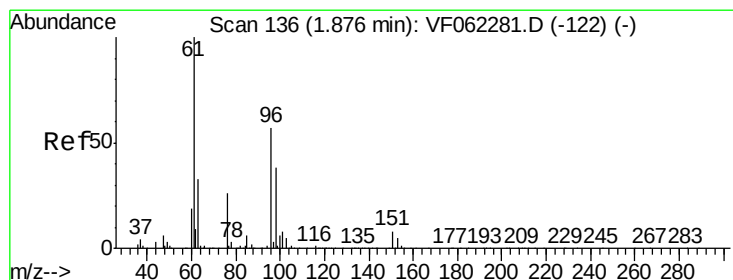
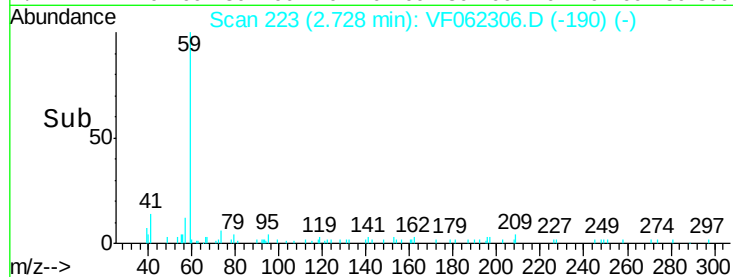
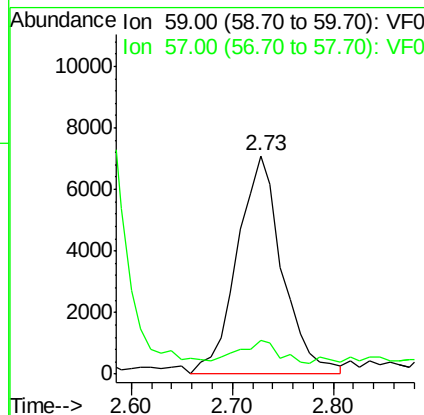
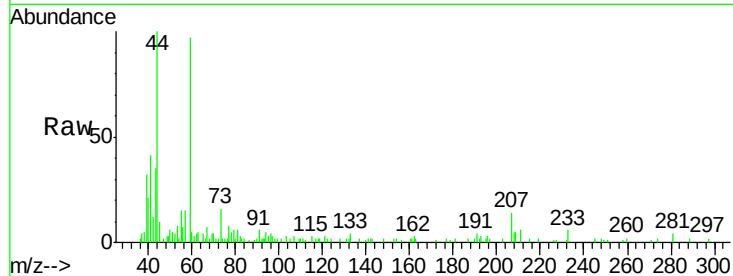
Tert butyl alcohol
Concen: 114.041 ug/l
RT: 2.73 min Scan# 223
Delta R.T. 0.02 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	22177		
57	9.7		8.8	13.2

Manual Integrations
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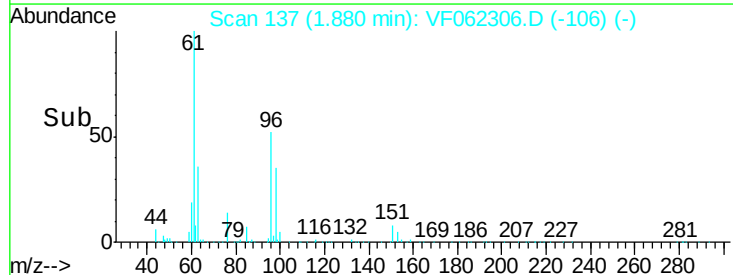
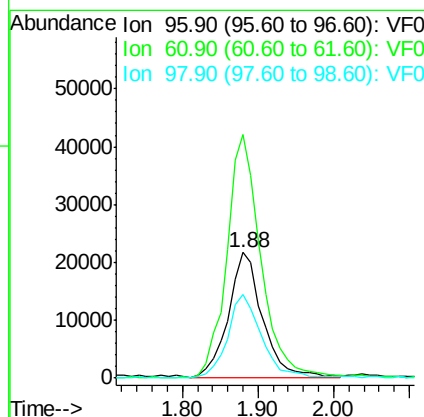
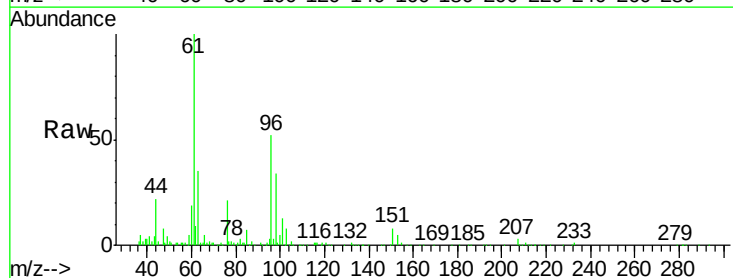
MMDadoda
4/29/2019 3:59:43 PM

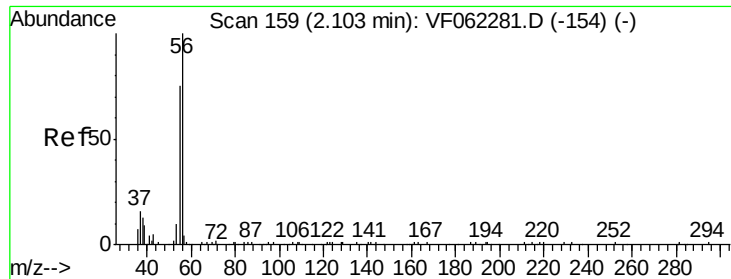


#12

1,1-Dichloroethene
Concen: 20.141 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	67437		
61	195.0		141.1	211.7
98	66.7		53.4	80.0





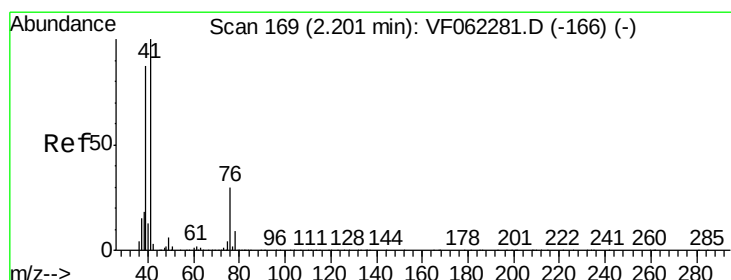
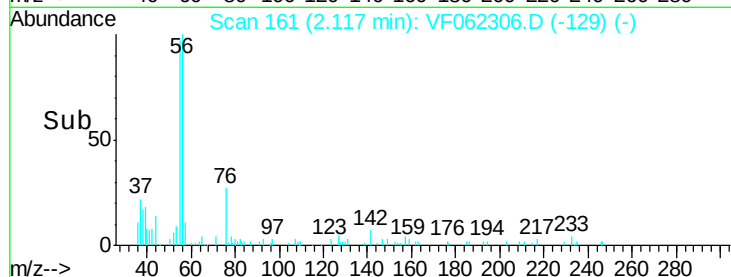
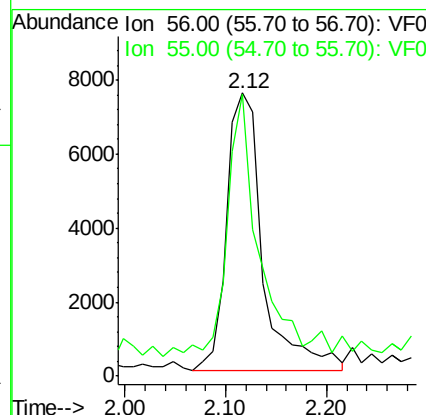
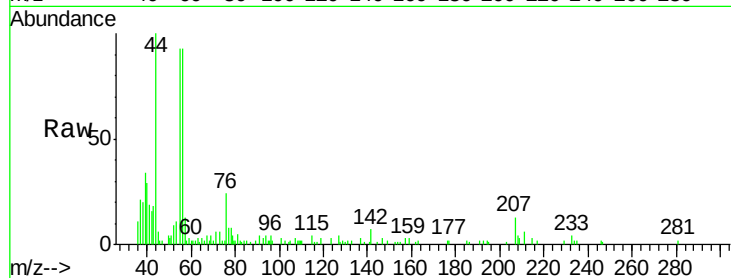
#13
Acrolein
Concen: 108.307 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	81.8	62.3	93.5

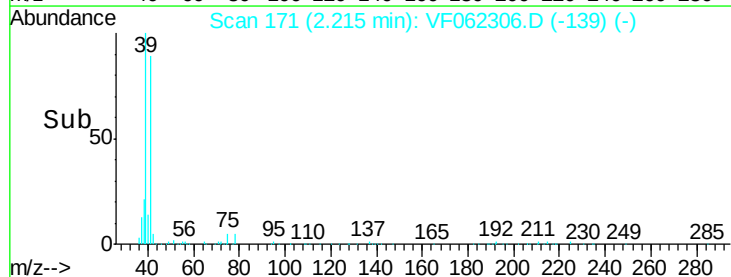
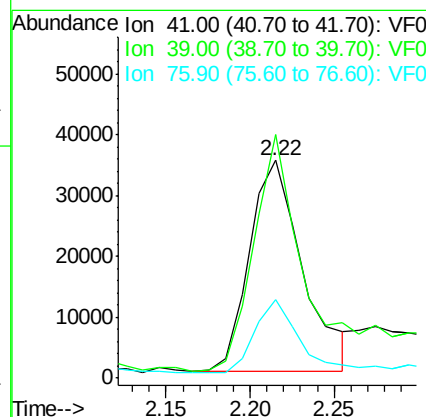
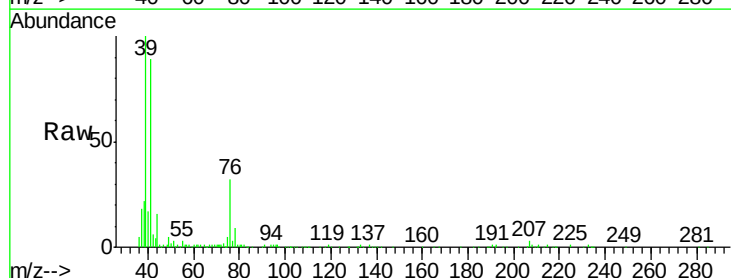
Manual Integrations
APPROVED

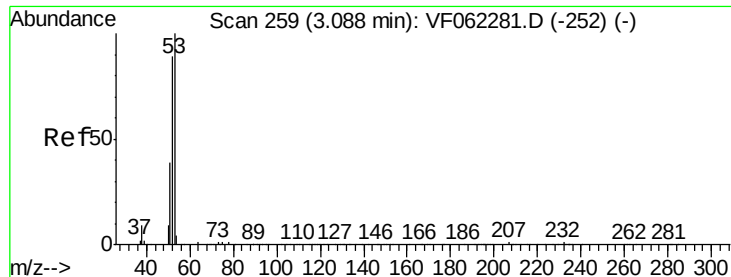
MMDadoda
4/29/2019 3:59:43 PM



#14
Allyl chloride
Concen: 20.872 ug/l
RT: 2.22 min Scan# 171
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Lower	Upper
41	100		
39	145.1	50.3	75.5#
76	30.9	14.8	22.2#





#15

Acrylonitrile

Concen: 92.867 ug/l

RT: 3.11 min Scan# 262

Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

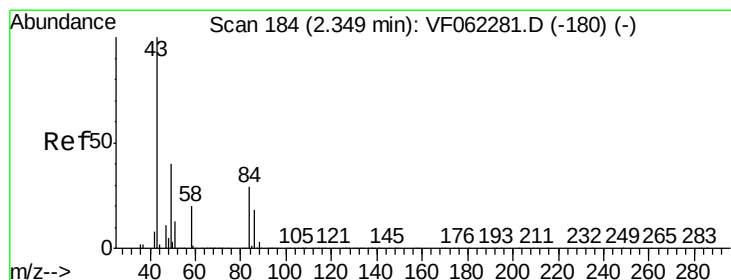
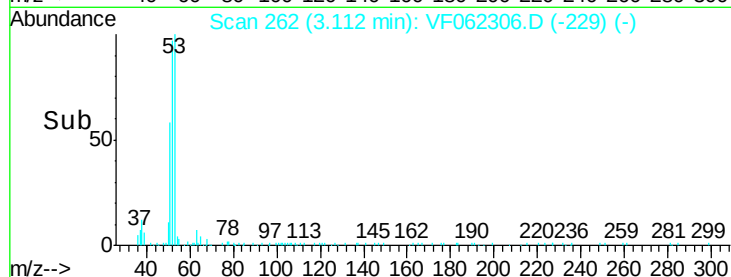
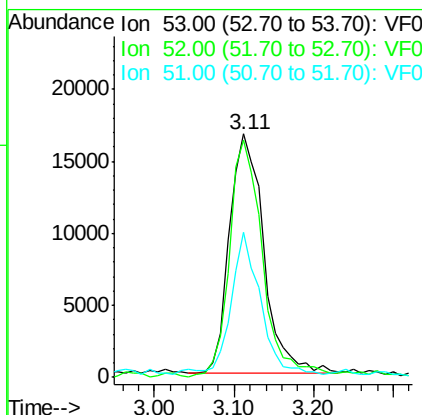
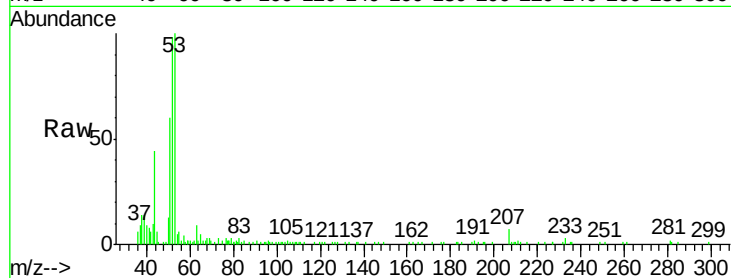
ClientSampleId :

VF0426SBS01

Tot Ion:	53	Resp:	50019
Ion	Ratio	Lower	Upper
53	100		
52	96.4	70.6	105.8
51	49.1	32.6	48.8#

Manual Integrations
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4/29/2019 3:59:43 PM



#16

Acetone

Concen: 110.472 ug/l

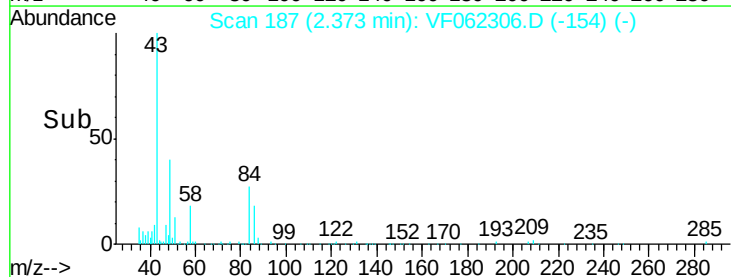
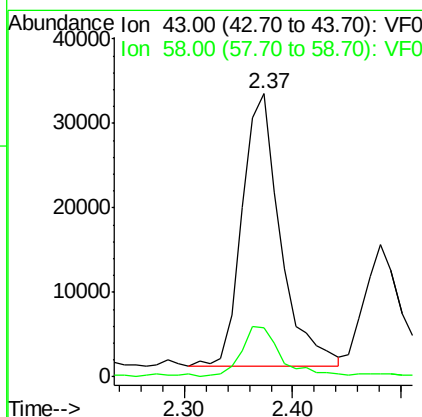
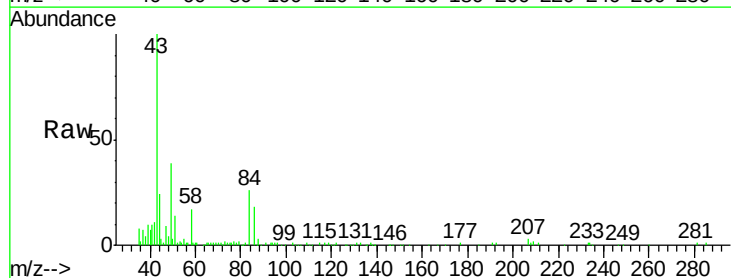
RT: 2.37 min Scan# 187

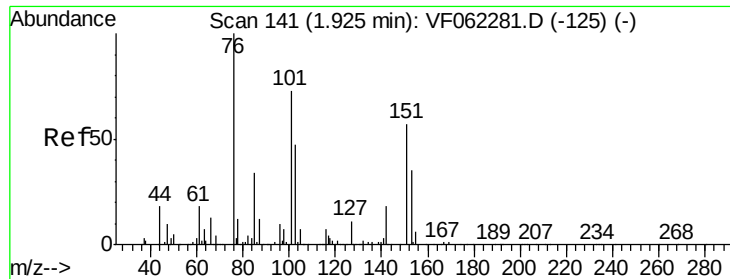
Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion:	43	Resp:	79515
Ion	Ratio	Lower	Upper
43	100		
58	16.9	16.4	24.6





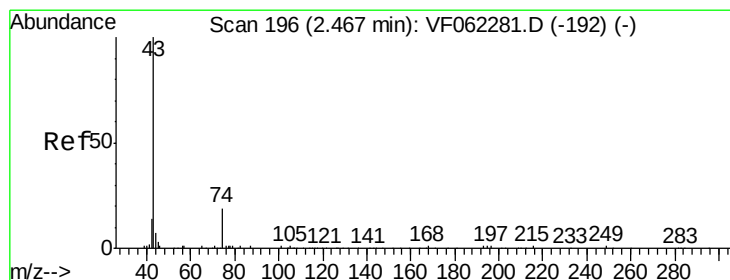
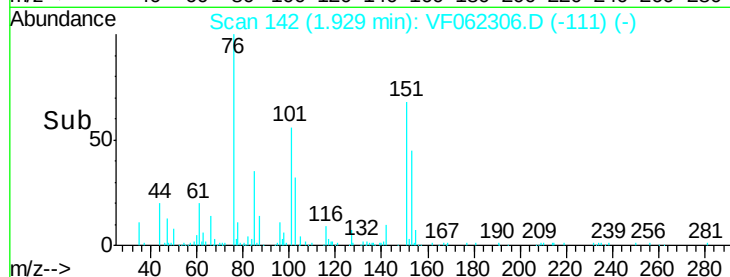
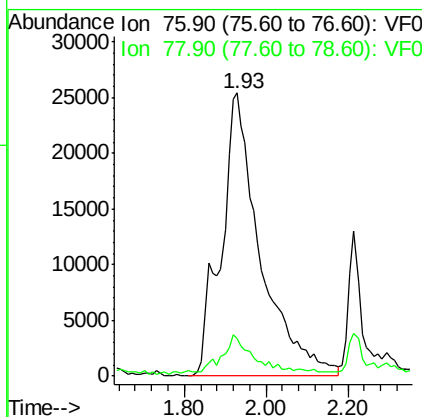
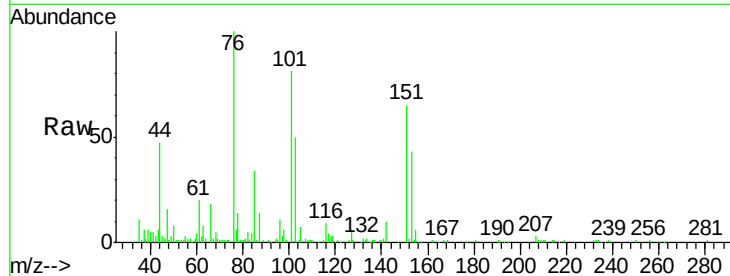
#17
Carbon Disulfide
Concen: 19.303 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.00 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion: 76 Resp: 170099
Ion Ratio Lower Upper
76 100
78 12.0 9.8 14.8

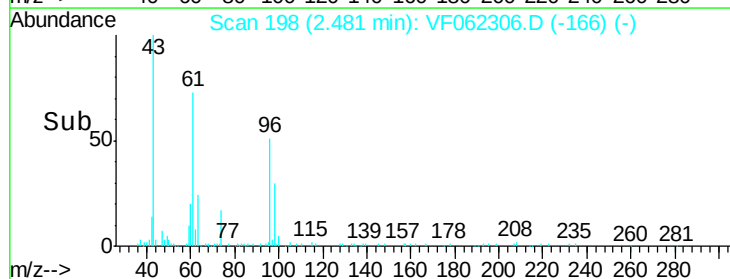
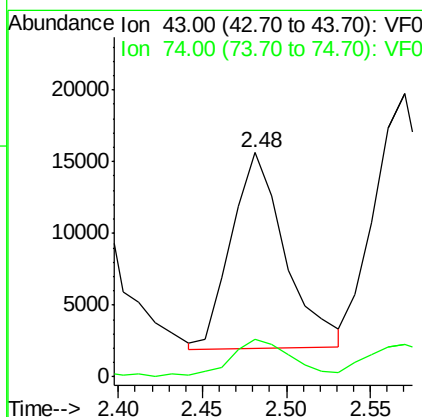
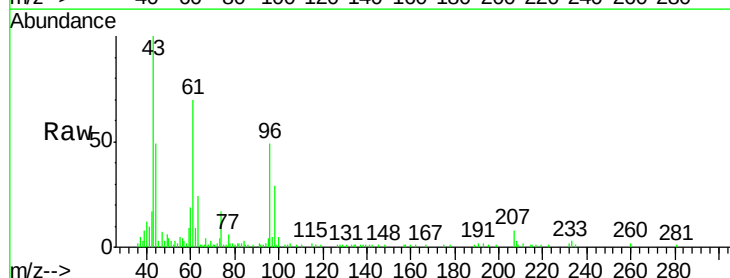
Manual Integrations
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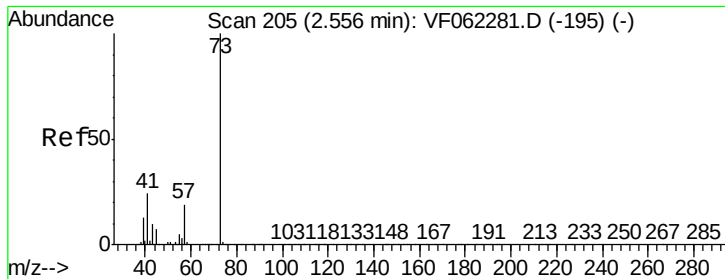
MMDadoda
4/29/2019 3:59:43 PM



#18
Methyl Acetate
Concen: 21.029 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion: 43 Resp: 30467
Ion Ratio Lower Upper
43 100
74 21.9 14.4 21.6#





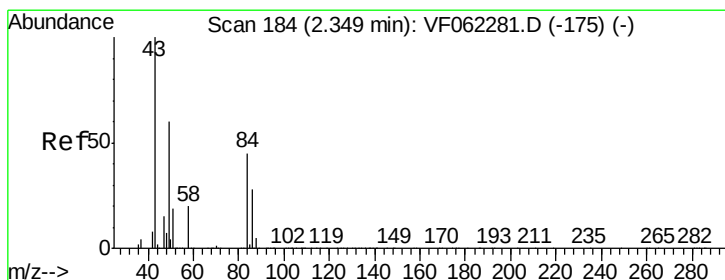
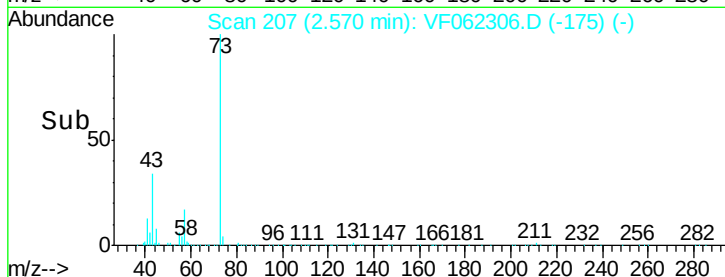
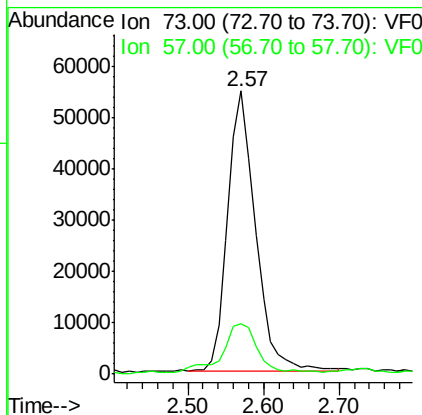
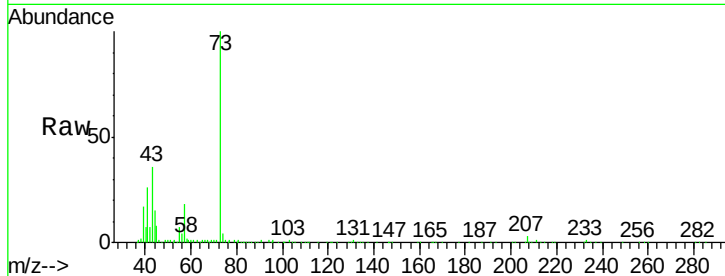
#19
Methyl tert-butyl Ether
Concen: 21.953 ug/l
RT: 2.57 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.7	15.5	23.3

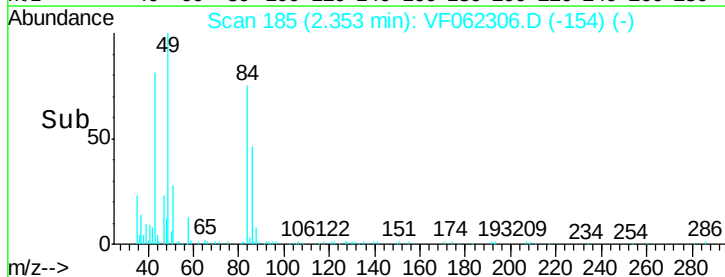
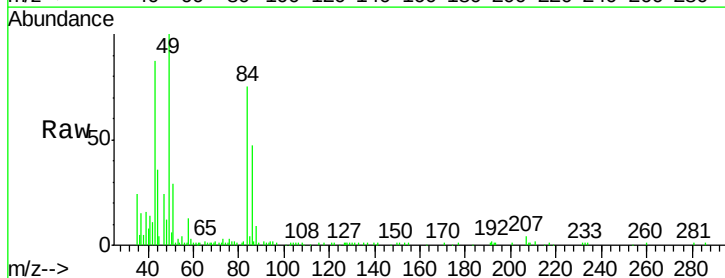
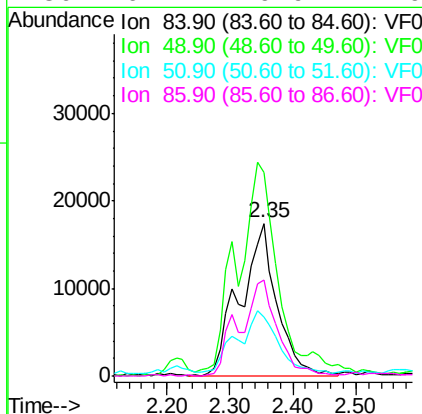
Manual Integrations
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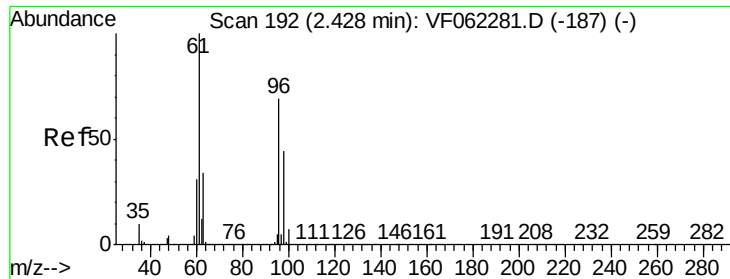
MMDadoda
4/29/2019 3:59:43 PM



#20
Methylene Chloride
Concen: 20.040 ug/l
RT: 2.35 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.5	112.1	168.1
51	36.7	35.9	53.9
86	62.1	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 21.554 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

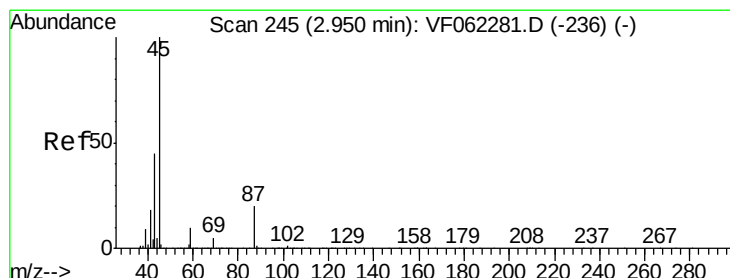
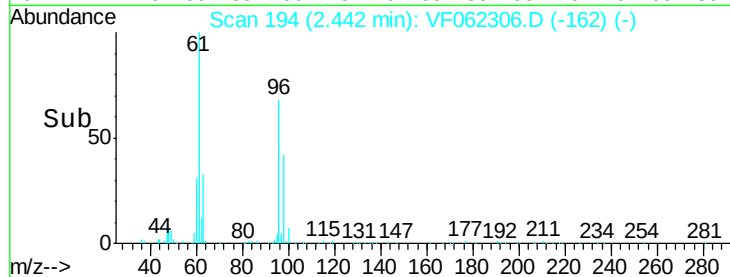
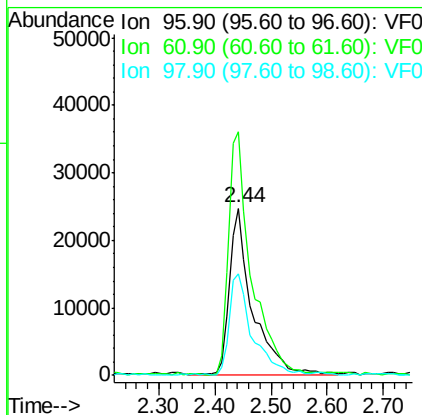
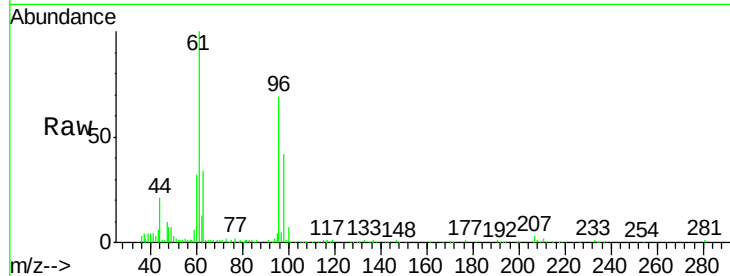
ClientSampleId :

VF0426SBS01

Tot Ion:	96	Resp:	71321
Ion	Ratio	Lower	Upper
96	100		
61	144.8	116.2	174.2
98	61.0	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.599 ug/l

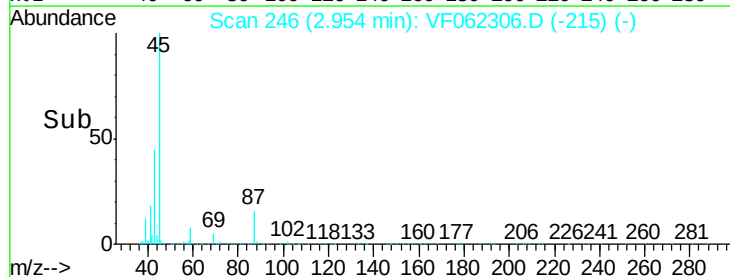
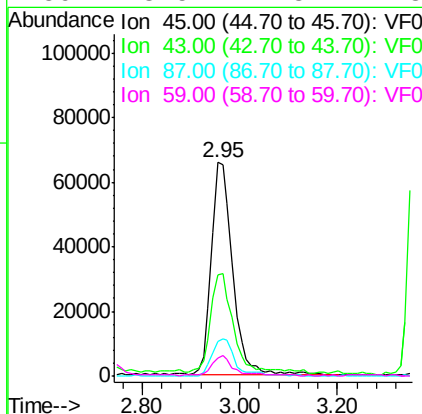
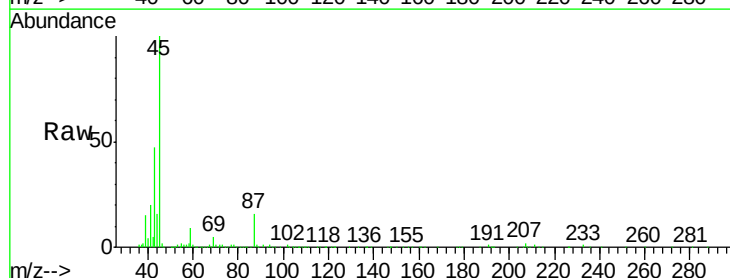
RT: 2.95 min Scan# 246

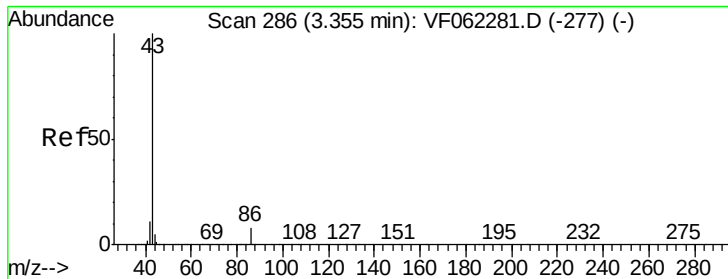
Delta R.T. 0.00 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion:	45	Resp:	202074
Ion	Ratio	Lower	Upper
45	100		
43	45.7	36.2	54.2
87	16.0	15.8	23.6
59	8.5	7.8	11.8





#23

Vinyl Acetate

Concen: 105.912 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 43 Resp: 460723

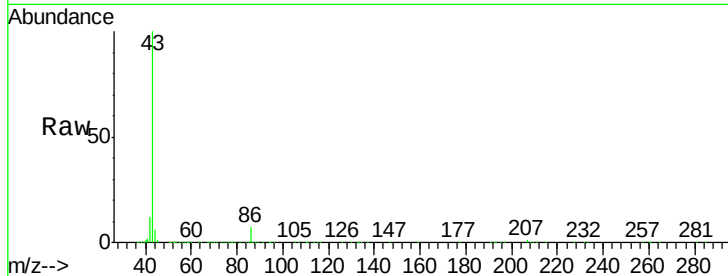
Ion Ratio Lower Upper

43 100

86 7.2 6.0 9.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.37

200000

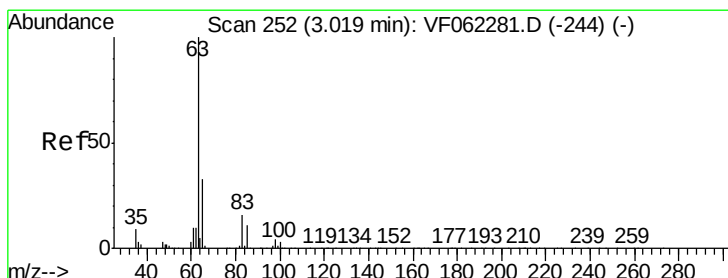
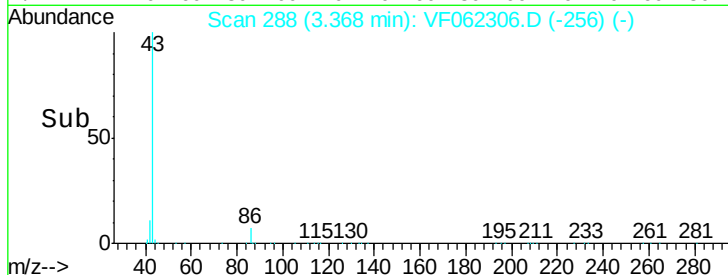
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.049 ug/l

RT: 3.03 min Scan# 254

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

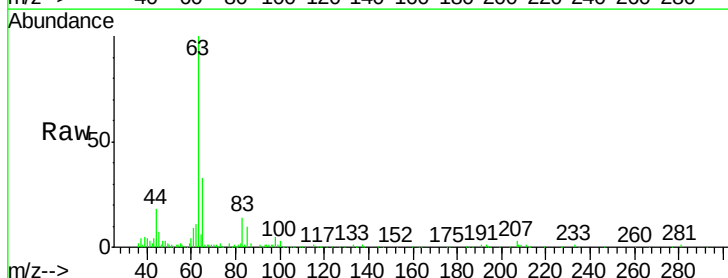
Tgt Ion: 63 Resp: 123451

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.2

100 3.4 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

3.03

60000

50000

40000

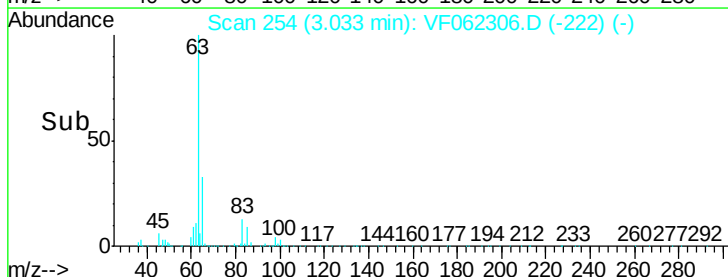
30000

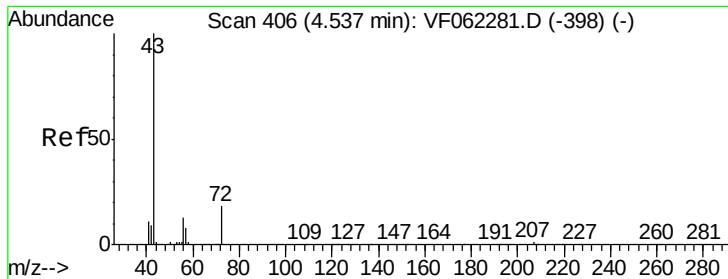
20000

10000

0

Time-->





#25

2-Butanone

Concen: 98.570 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 43 Resp: 112496

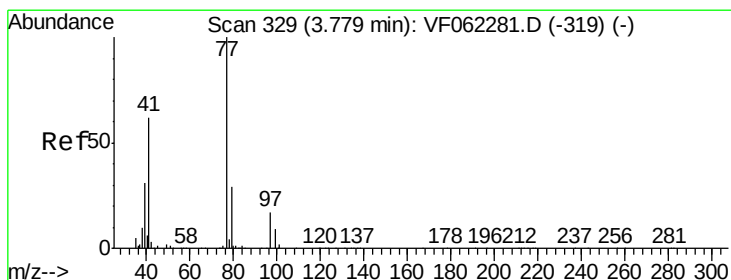
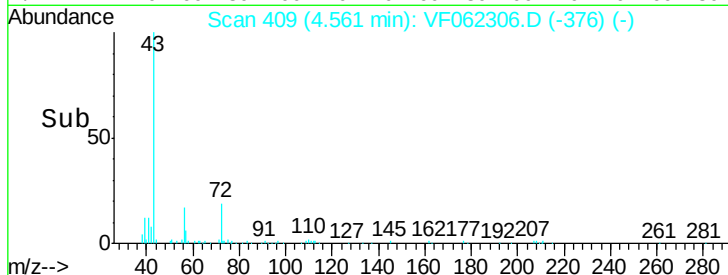
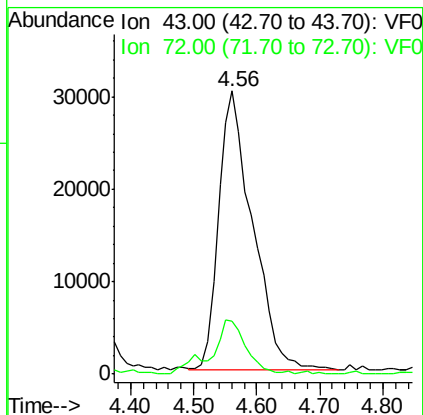
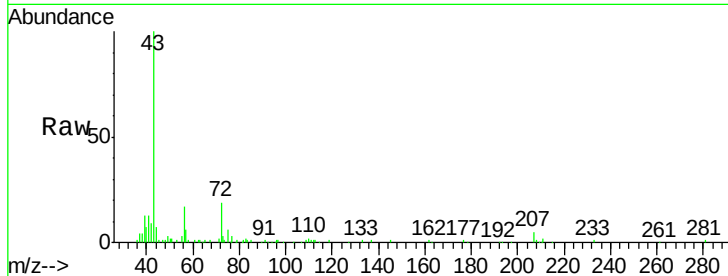
Ion Ratio Lower Upper

43 100

72 18.9 15.8 23.6

Manual Integrations
APPROVED

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#26

2,2-Dichloropropane

Concen: 22.069 ug/l

RT: 3.80 min Scan# 332

Delta R.T. 0.02 min

Lab File: VF062306.D

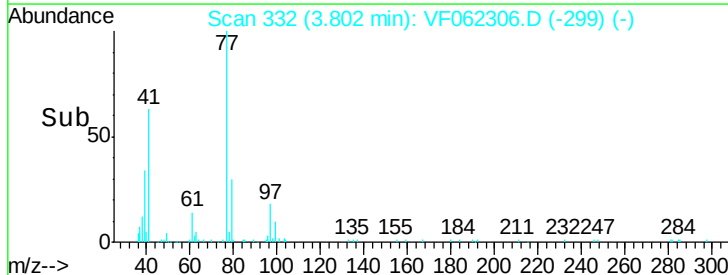
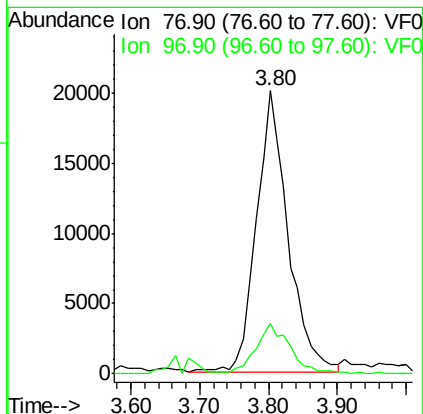
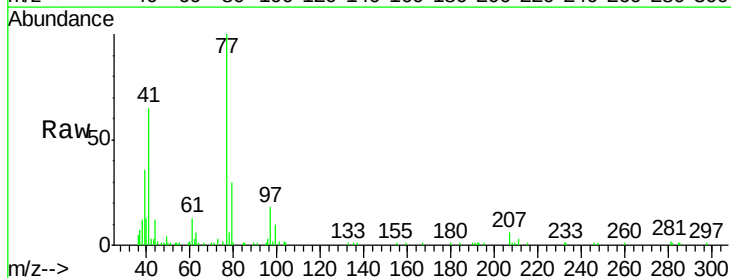
Acq: 26 Apr 2019 15:35

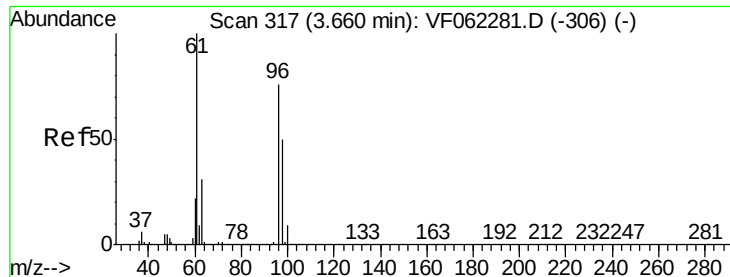
Tgt Ion: 77 Resp: 64168

Ion Ratio Lower Upper

77 100

97 19.6 10.3 30.8





#27

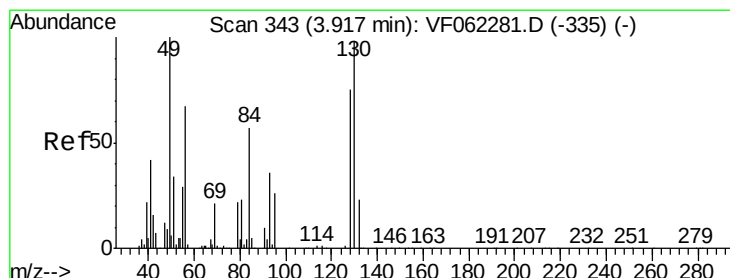
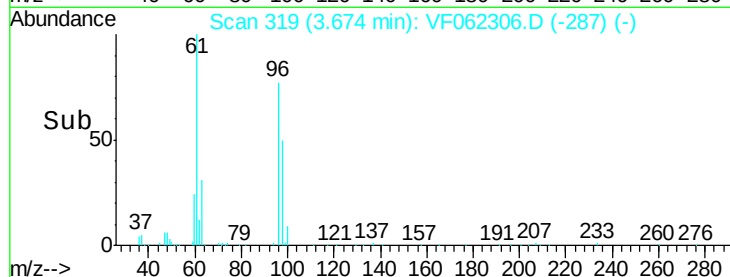
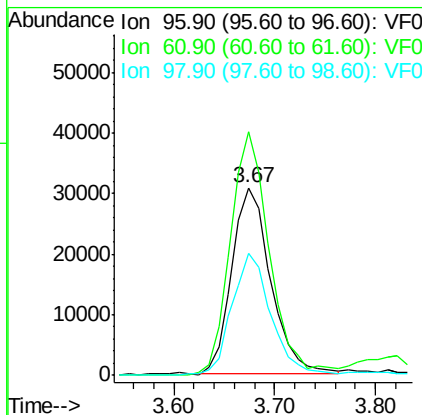
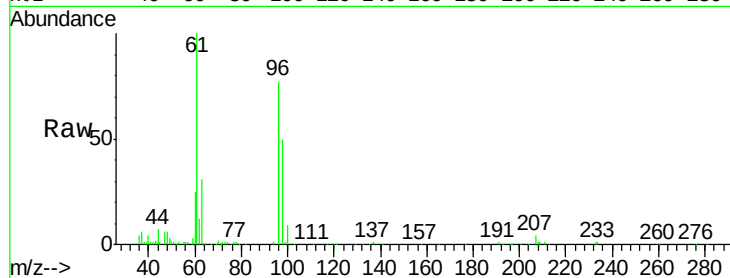
cis-1,2-Dichloroethene
Concen: 19.923 ug/l
RT: 3.67 min Scan# 319
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	83482		
61	130.6		0.0	257.6
98	65.1		0.0	137.4

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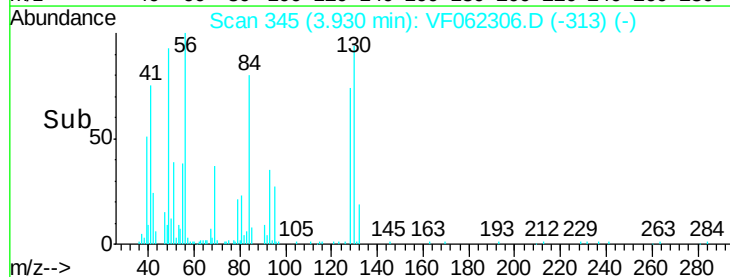
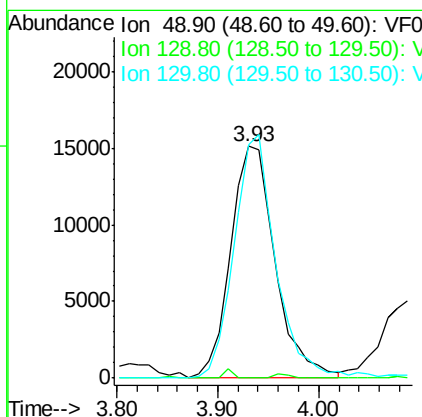
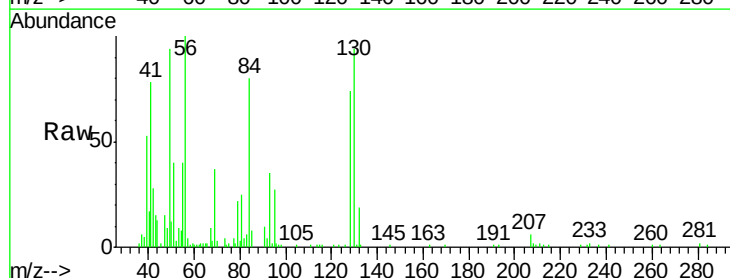
MMDadoda
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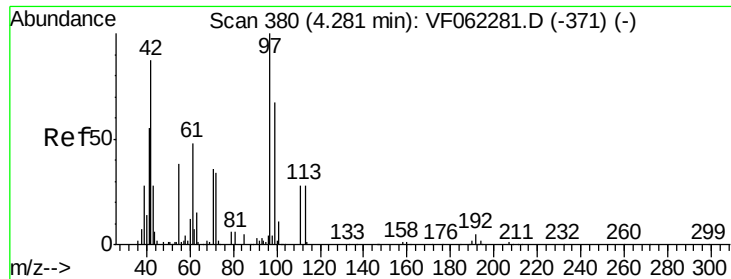


#28

Bromochloromethane
Concen: 19.762 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	46628		
129	0.0		0.0	0.0
130	98.1		77.0	115.4





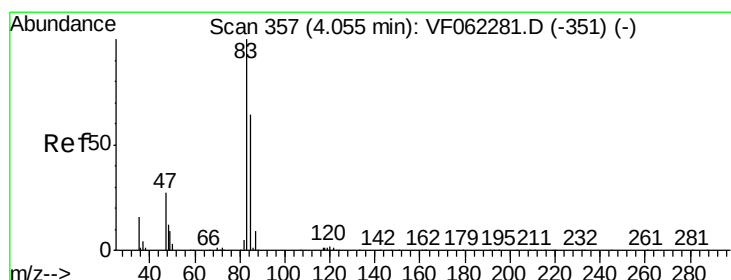
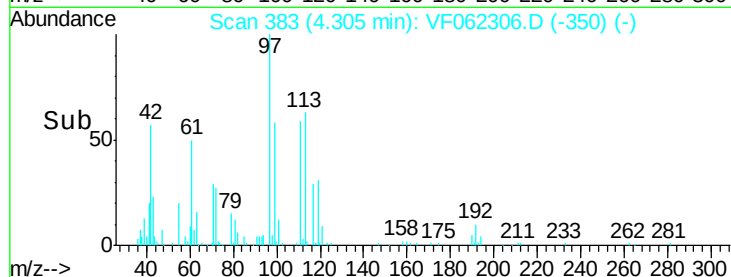
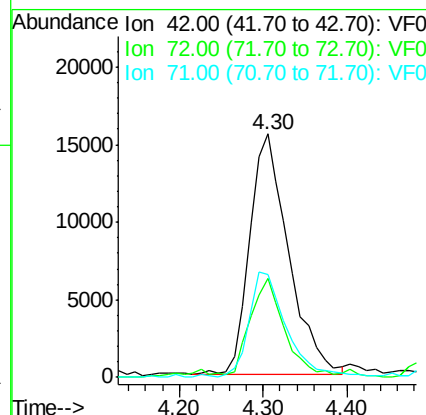
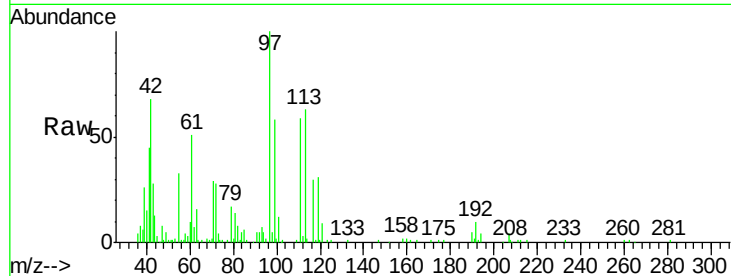
#29
Tetrahydrofuran
Concen: 100.541 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.1	29.3	43.9
71	42.0	31.2	46.8

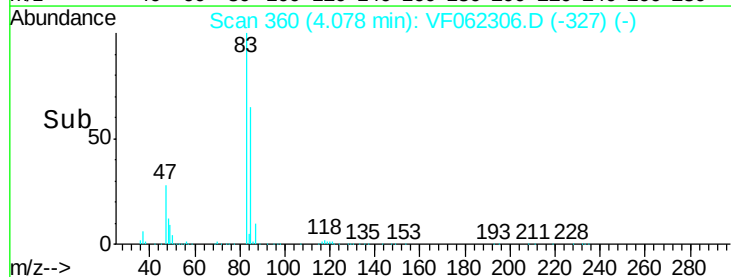
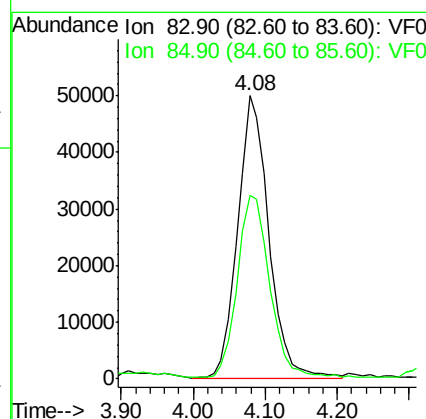
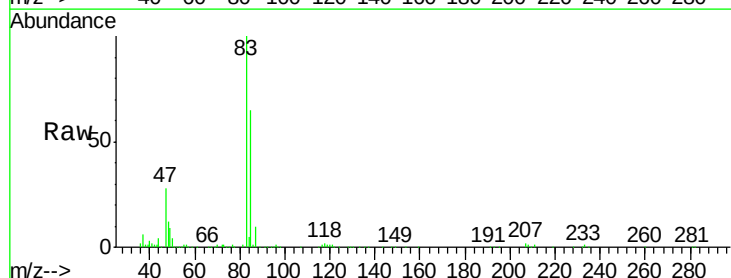
Manual Integrations
APPROVED

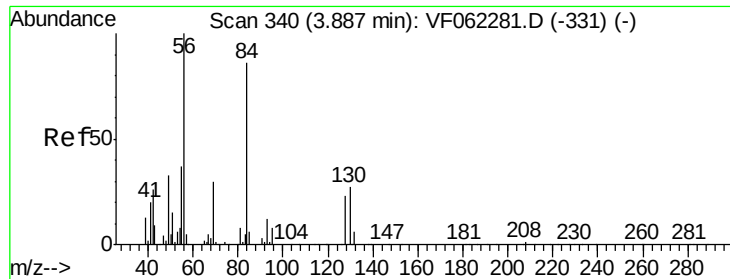
MMDadoda
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#30
Chloroform
Concen: 21.327 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.02 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7





#31

Cyclohexane

Concen: 19.355 ug/l

RT: 3.91 min Scan# 343

Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

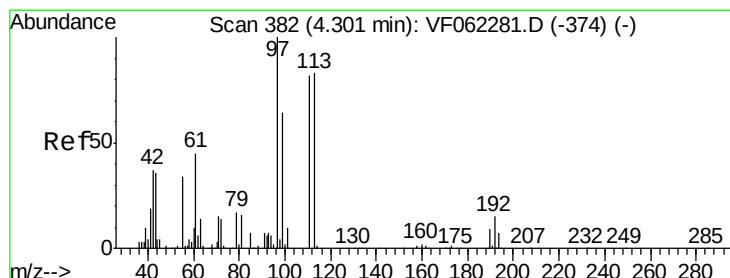
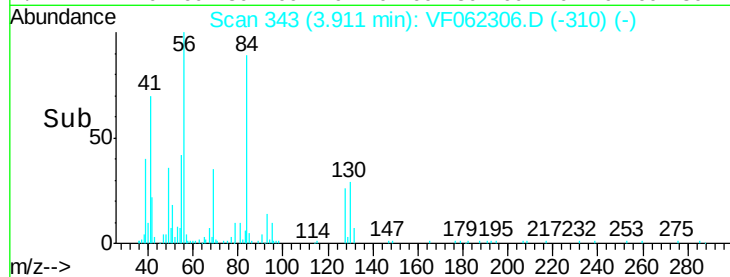
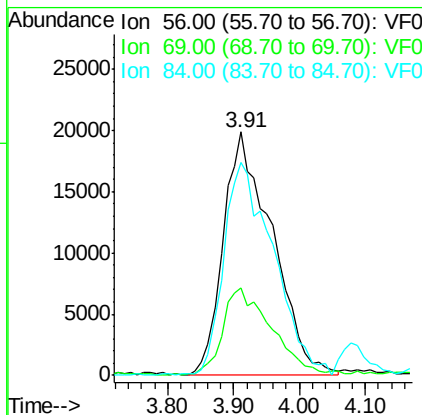
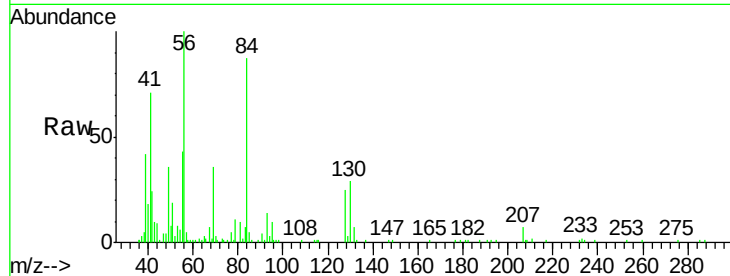
ClientSampleId :

VF0426SBS01

Tot Ion:	56	Resp:	103118
Ion Ratio		Lower	Upper
56	100		
69	35.2	24.3	36.5
84	86.6	68.5	102.7

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#32

1,1,1-Trichloroethane

Concen: 23.782 ug/l

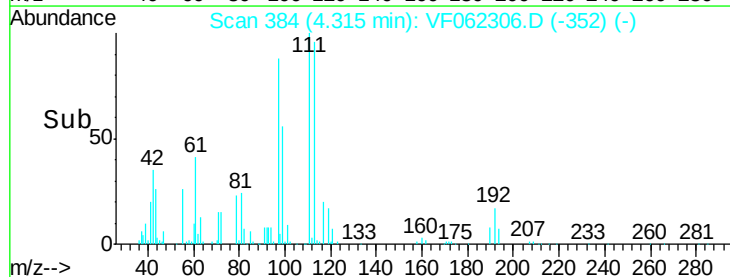
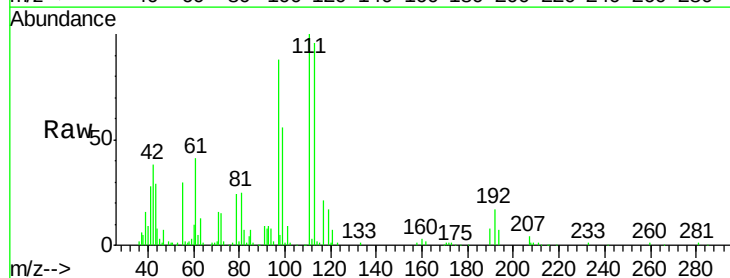
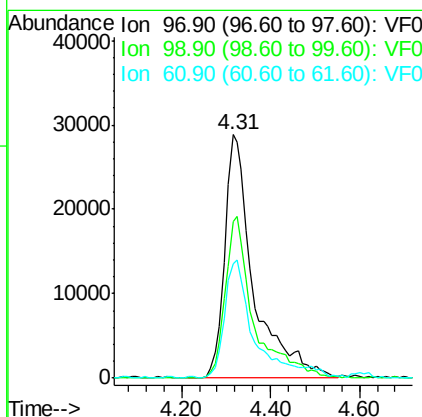
RT: 4.31 min Scan# 384

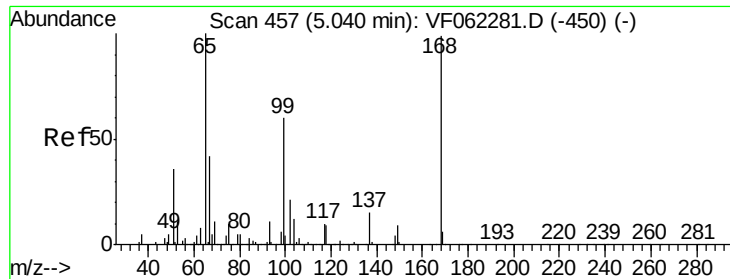
Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion:	97	Resp:	131276
Ion Ratio		Lower	Upper
97	100		
99	64.9	41.6	62.4#
61	47.1	31.6	47.4





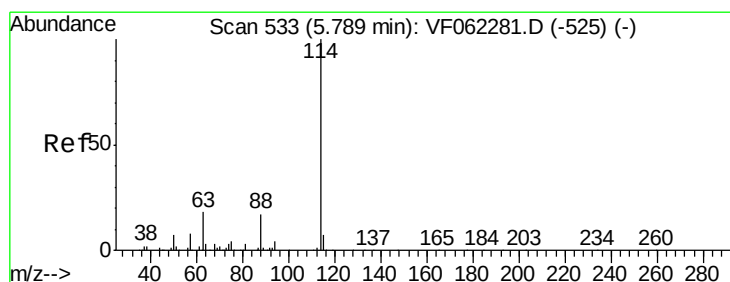
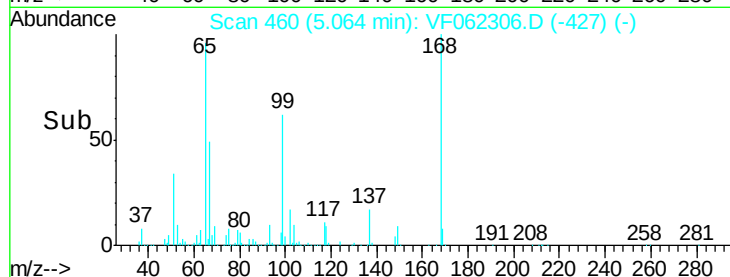
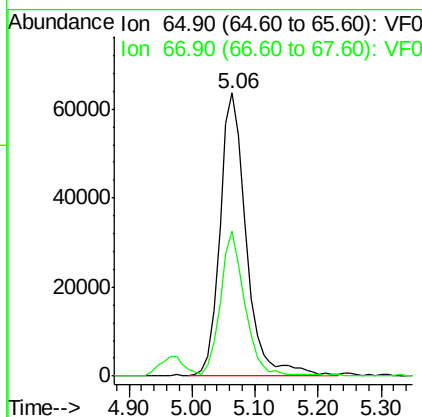
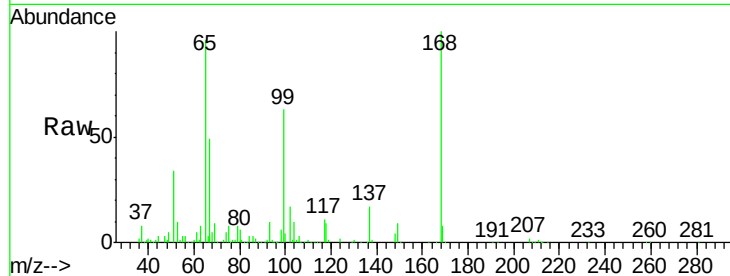
#33
 1,2-Dichloroethane-d4
 Concen: 56.587 ug/l
 RT: 5.06 min Scan# 460
 Delta R.T. 0.02 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181915		
67	46.3	0.0	98.8	

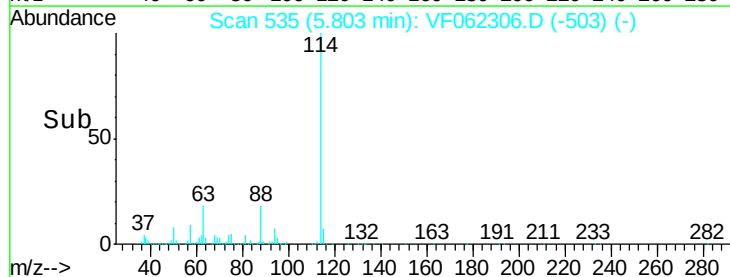
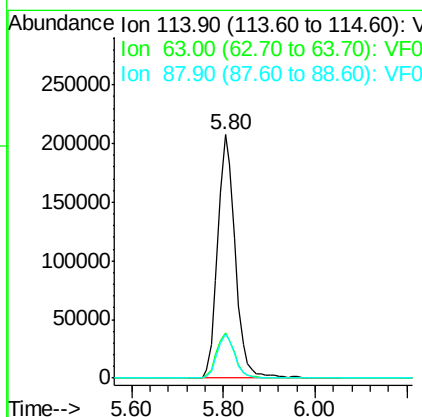
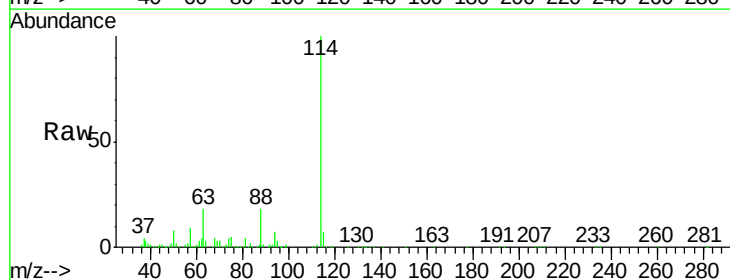
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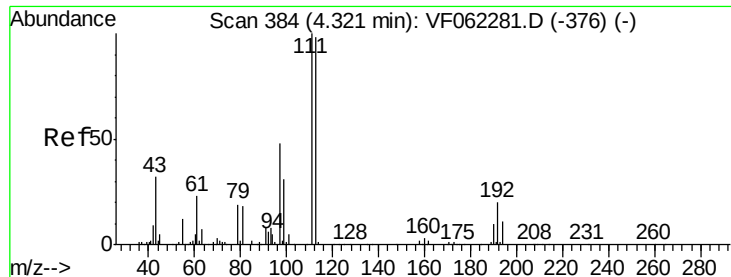
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	546196		
63	18.4	0.0	35.6	
88	18.2	0.0	34.6	





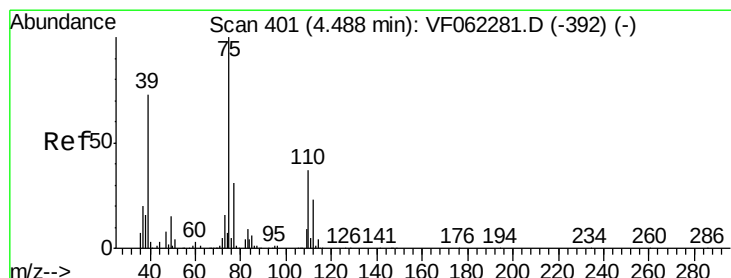
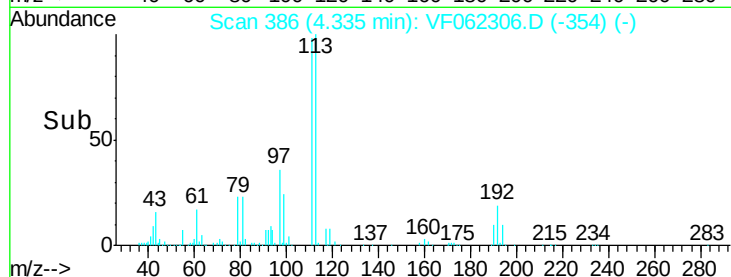
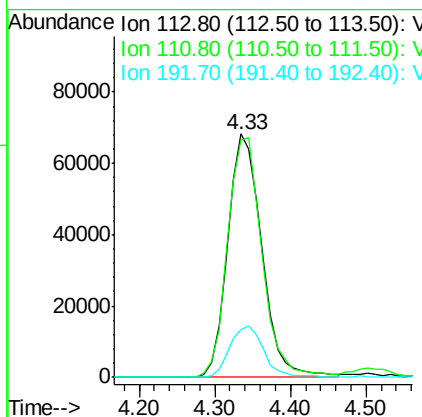
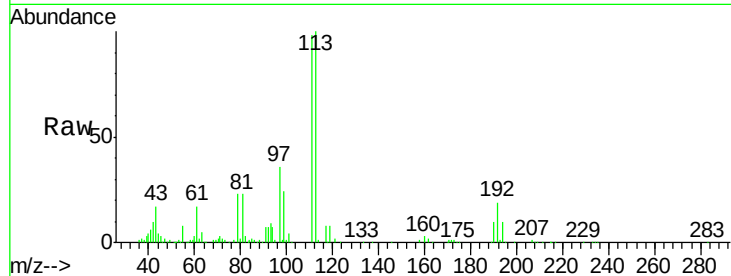
#35
 Dibromofluoromethane
 Concen: 52.499 ug/l
 RT: 4.33 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	212608		
111	99.6	81.4	122.2	
192	21.0	17.0	25.4	

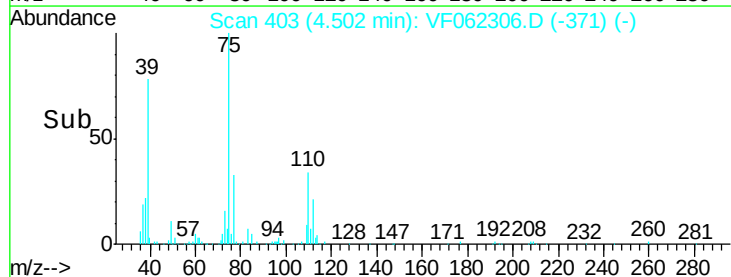
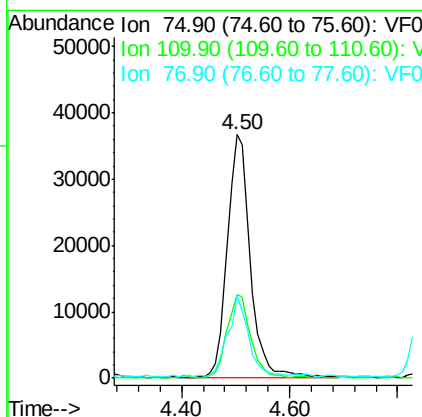
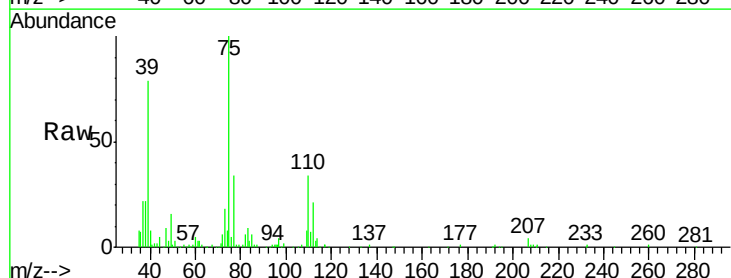
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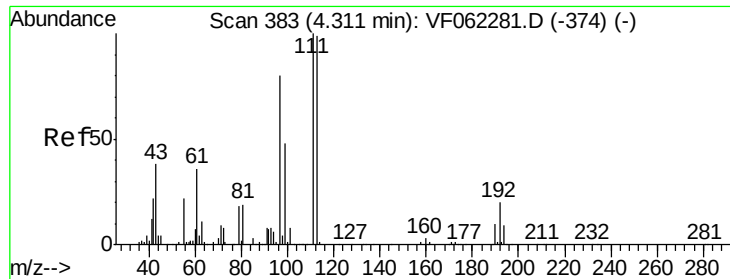
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#36
 1,1-Dichloropropene
 Concen: 21.713 ug/l
 RT: 4.50 min Scan# 403
 Delta R.T. 0.01 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	109414		
110	35.0	17.9	53.8	
77	29.5	24.6	36.8	





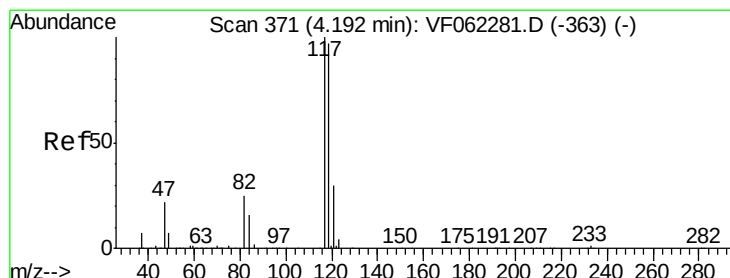
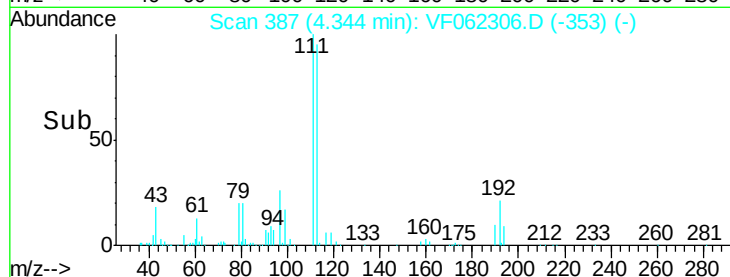
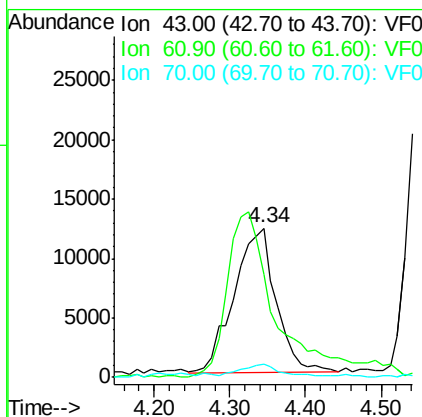
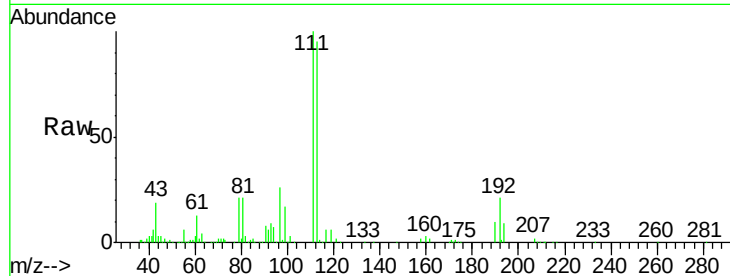
#37
Ethyl Acetate
Concen: 22.361 ug/l
RT: 4.34 min Scan# 387
Delta R.T. 0.03 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	130.5	85.8	128.6#			
70	7.1	7.3	10.9#			

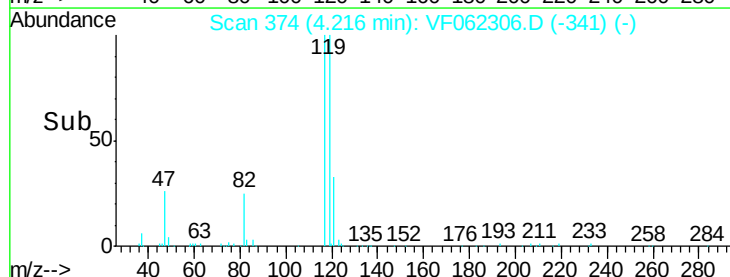
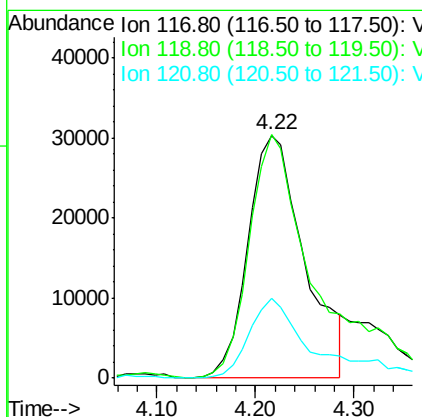
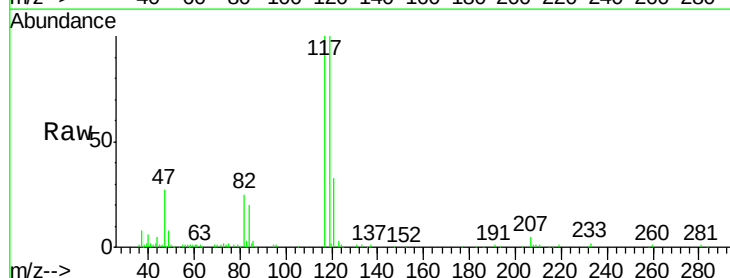
Manual Integrations
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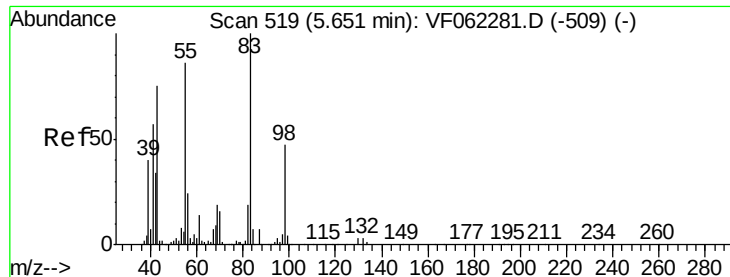
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#38
Carbon Tetrachloride
Concen: 23.607 ug/l m
RT: 4.22 min Scan# 374
Delta R.T. 0.02 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	100.4	77.3	115.9			
121	32.7	24.3	36.5			





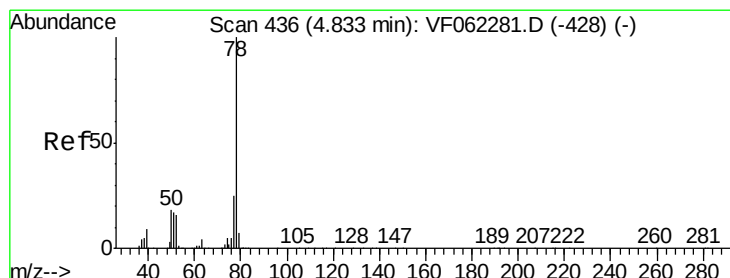
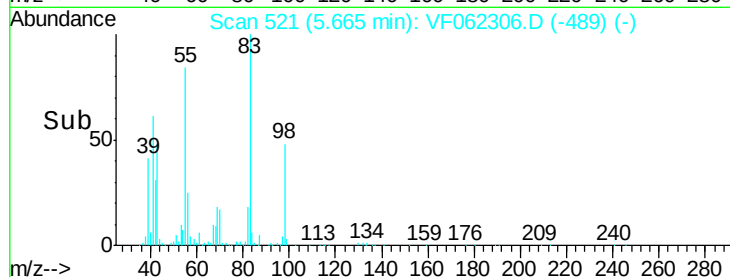
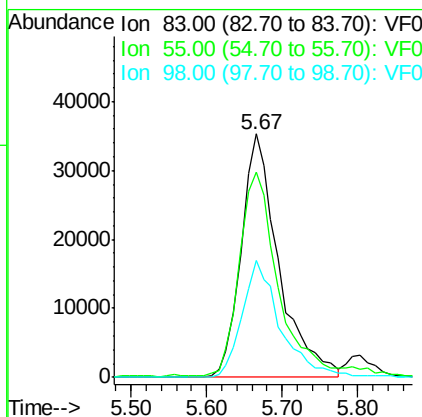
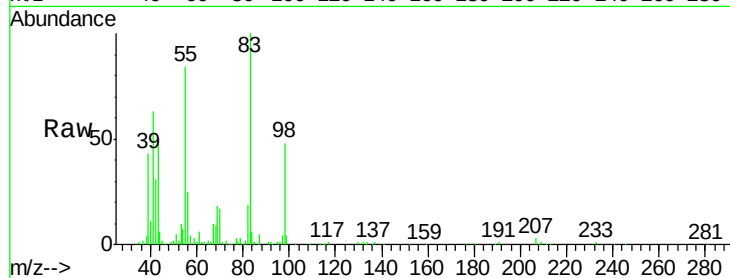
#39
Methylvlcyclohexane
Concen: 20.683 ug/l
RT: 5.67 min Scan# 521
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.8	68.7	103.1
98	48.1	37.4	56.2

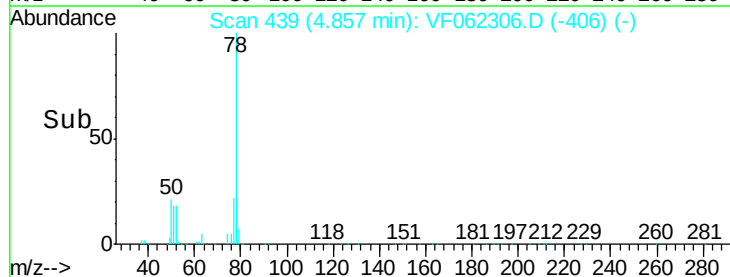
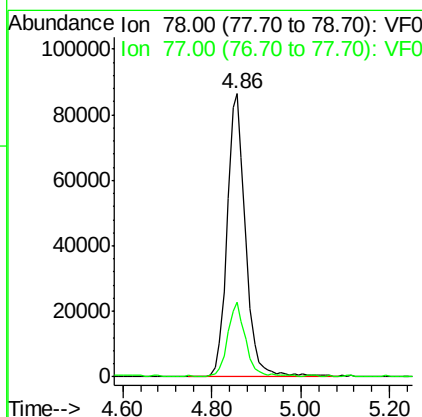
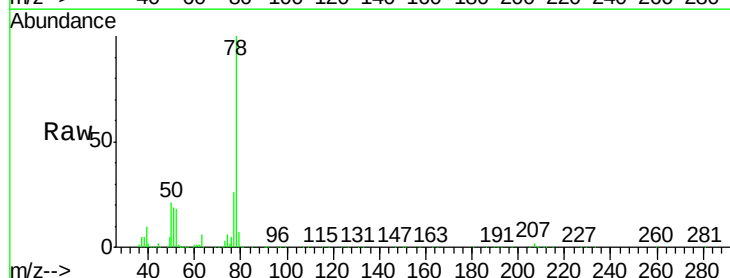
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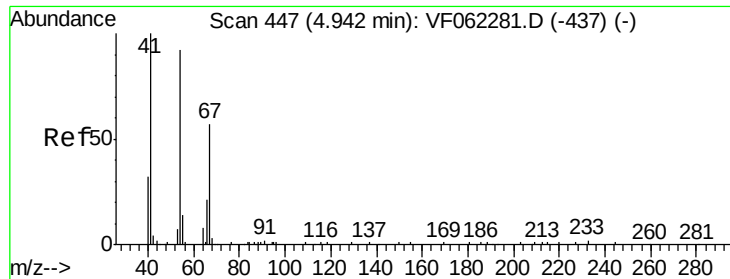
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#40
Benzene
Concen: 20.555 ug/l
RT: 4.86 min Scan# 439
Delta R.T. 0.02 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	19.7	29.5





#41

Methacrylonitrile

Concen: 20.905 ug/l

RT: 4.97 min Scan# 450

Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

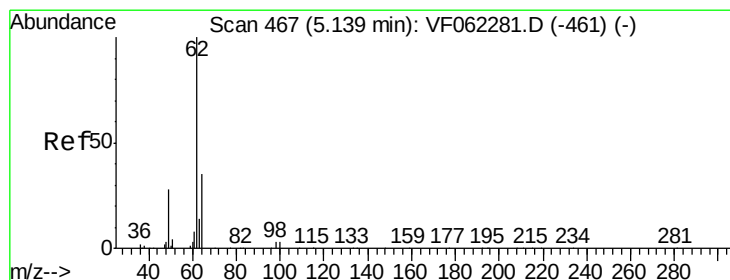
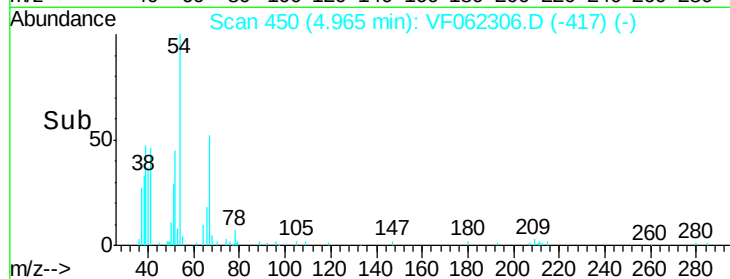
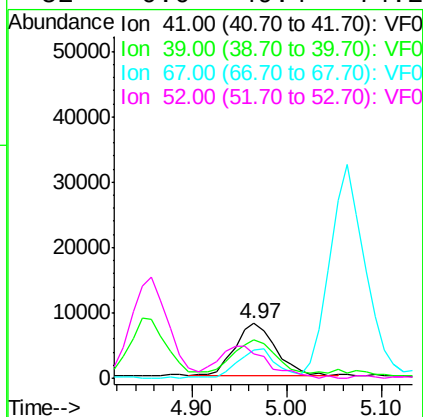
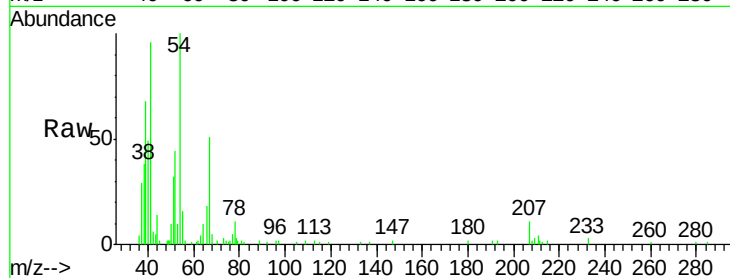
ClientSampleId :

VF0426SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	73.9	47.3	70.9#	
67	53.5	41.3	61.9	
52	0.0	49.4	74.2#	

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#42

1,2-Dichloroethane

Concen: 23.590 ug/l

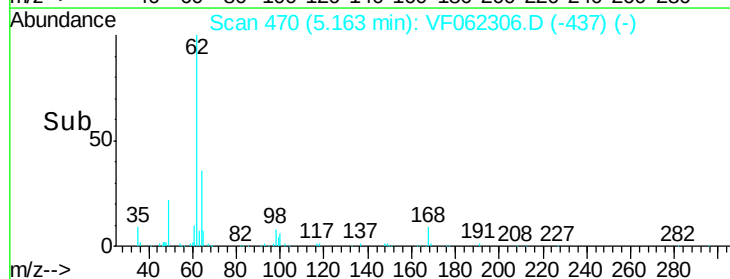
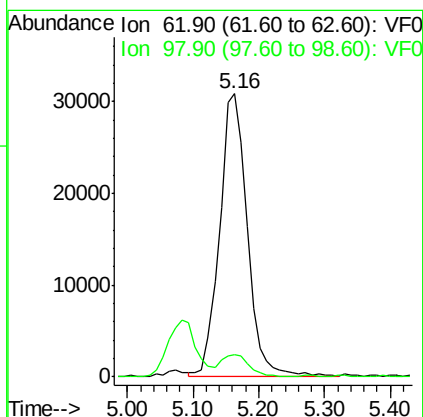
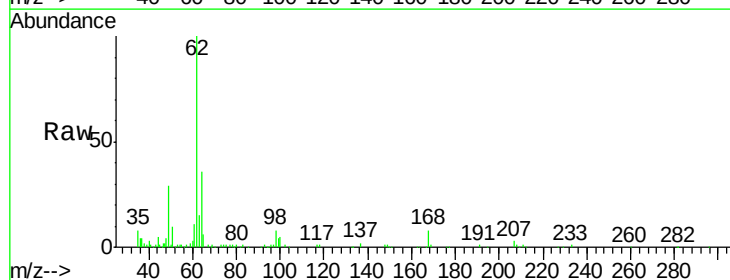
RT: 5.16 min Scan# 470

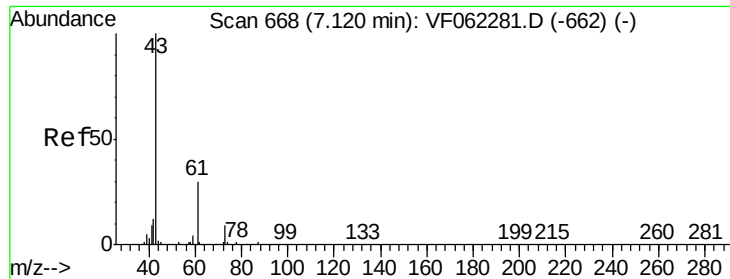
Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	16.8	





#43

Isopropyl Acetate

Concen: 21.633 ug/l

RT: 7.14 min Scan# 671

Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

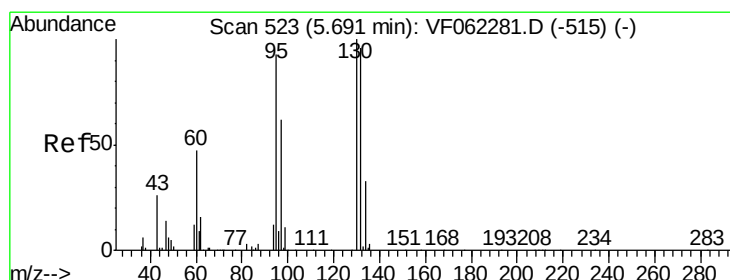
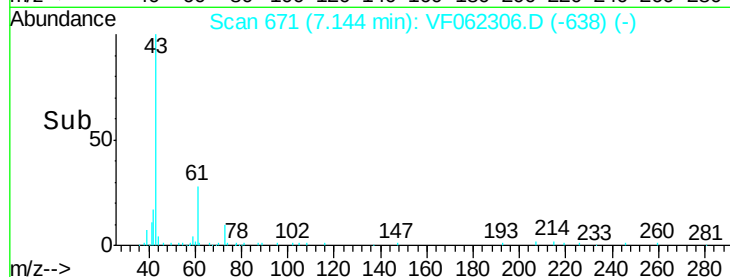
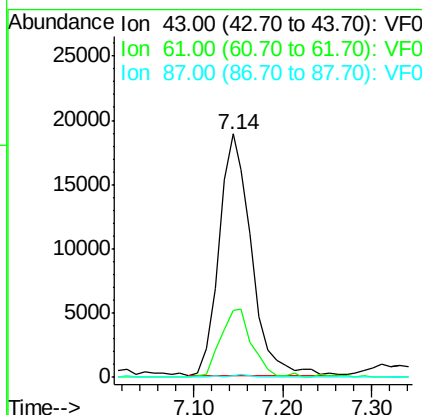
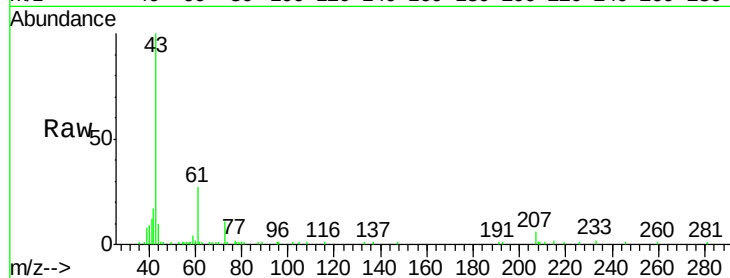
ClientSampleId :

VF0426SBS01

Tot Ion:	43	Resp:	47255
Ion	Ratio	Lower	Upper
43	100		
61	28.1	23.8	35.6
87	0.7	0.5	0.7#

Manual Integrations
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4/29/2019 3:59:43 PM



#44

Trichloroethene

Concen: 21.928 ug/l

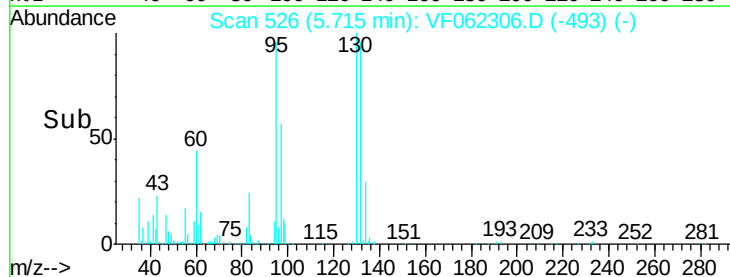
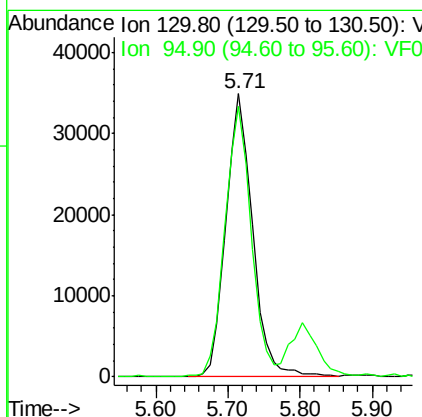
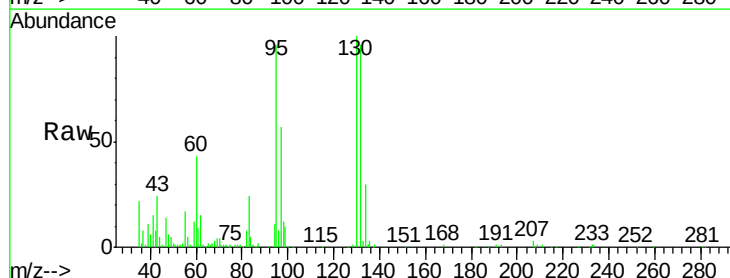
RT: 5.71 min Scan# 526

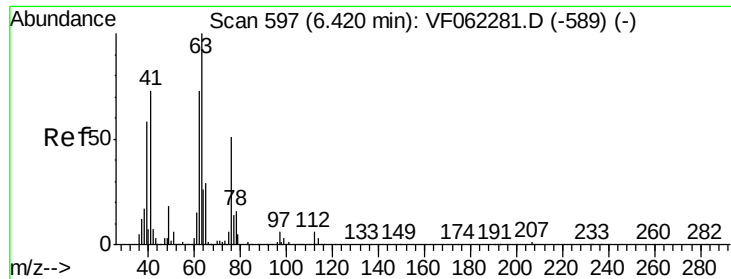
Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion:	130	Resp:	90323
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	186.4





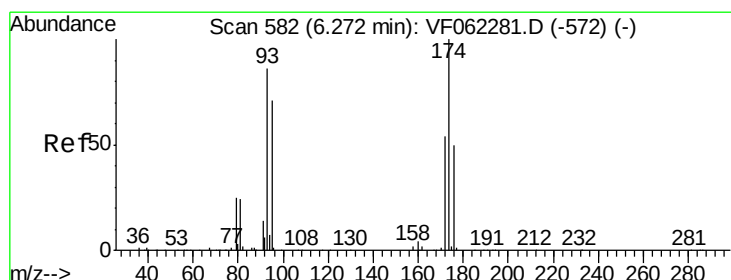
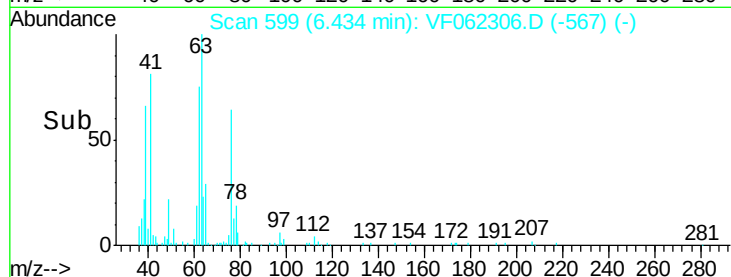
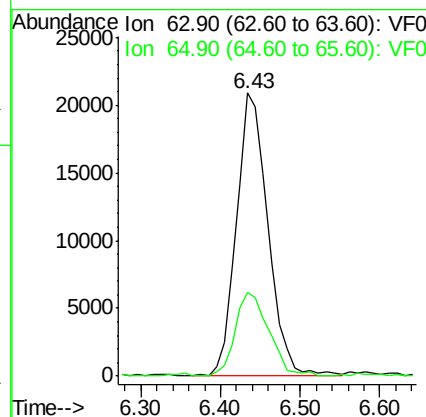
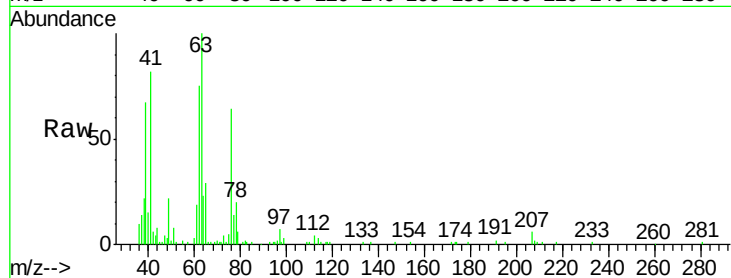
#45
 1,2-Dichloropropane
 Concen: 21.083 ug/l
 RT: 6.43 min Scan# 599
 Delta R.T. 0.01 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

Tot Ion: 63 Resp: 57872
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.5 35.3

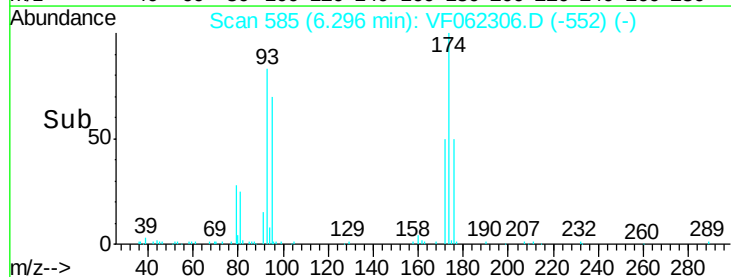
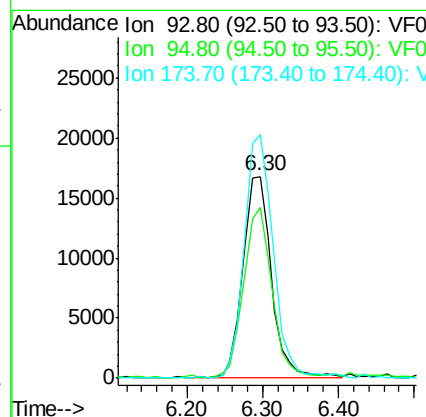
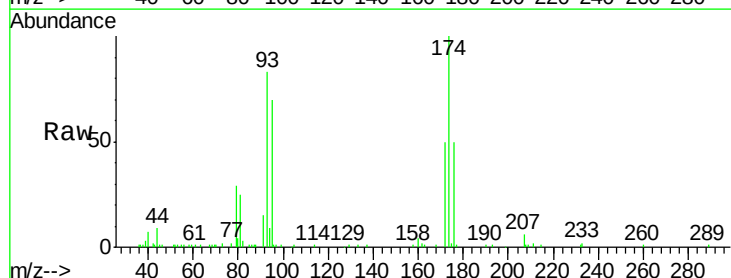
Manual Integrations
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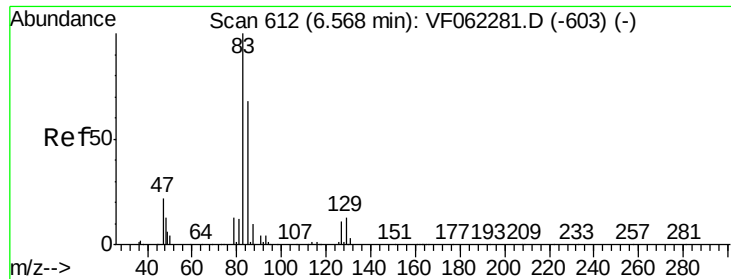
MMDadoda
 4/29/2019 3:59:43 PM



#46
 Dibromomethane
 Concen: 22.276 ug/l
 RT: 6.30 min Scan# 585
 Delta R.T. 0.02 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Tgt Ion: 93 Resp: 44153
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.2 99.4
 174 122.6 94.9 142.3





#47

Bromodichloromethane

Concen: 22.902 ug/l

RT: 6.58 min Scan# 614

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

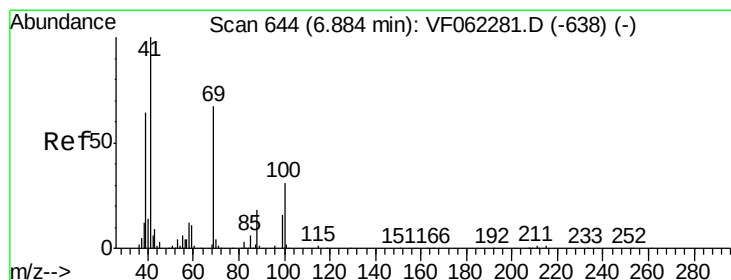
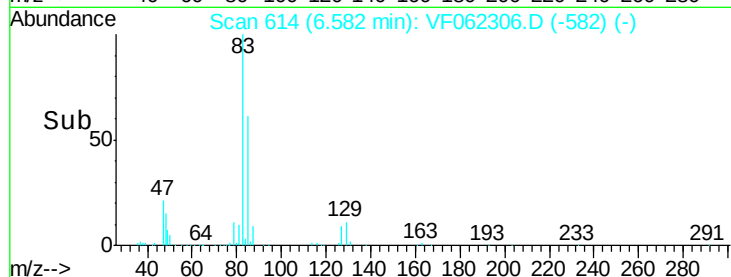
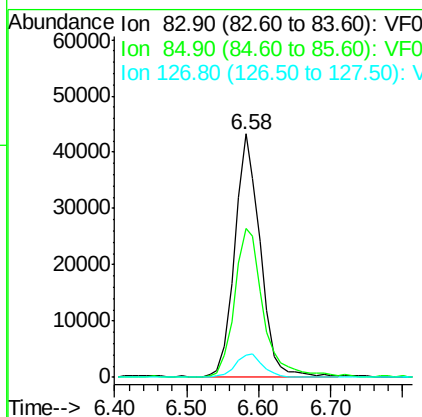
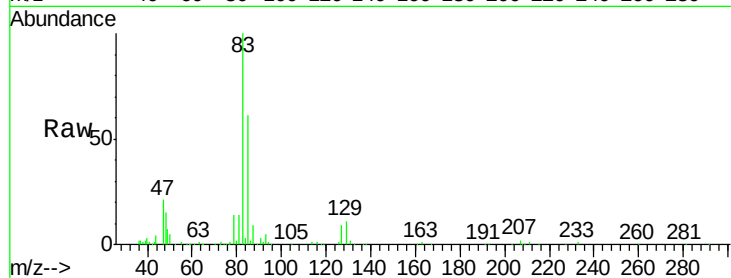
ClientSampleId :

VF0426SBS01

Tot Ion:	83	Resp:	106715
Ion Ratio	Lower	Upper	
83	100		
85	61.2	54.6	81.8
127	9.2	8.7	13.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.503 ug/l

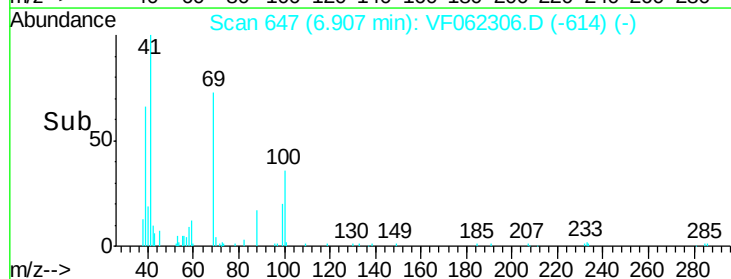
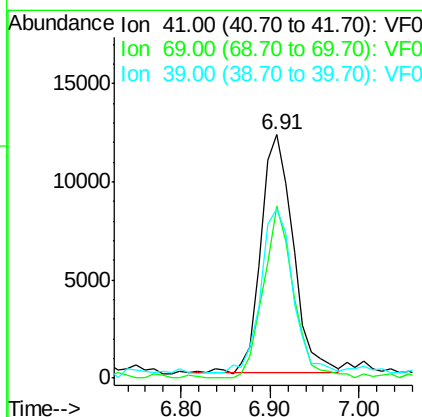
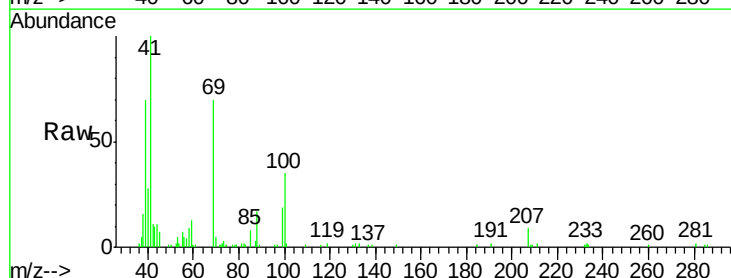
RT: 6.91 min Scan# 647

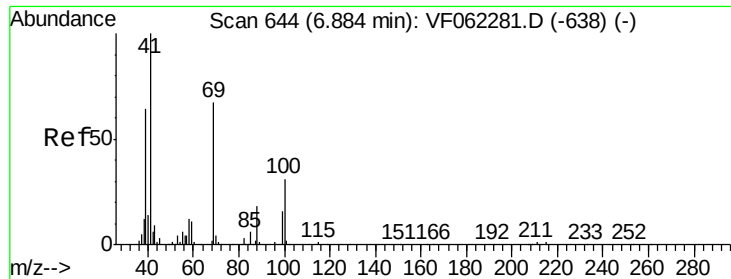
Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion:	41	Resp:	30292
Ion Ratio	Lower	Upper	
41	100		
69	67.4	53.4	80.2
39	68.3	50.9	76.3





#49

1,4-Dioxane

Concen: 346.723 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

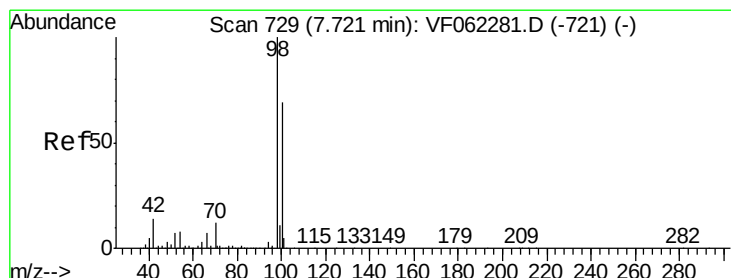
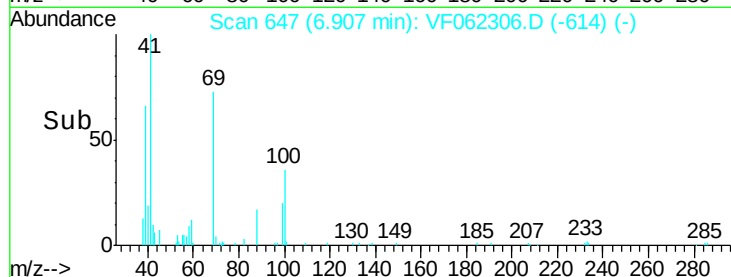
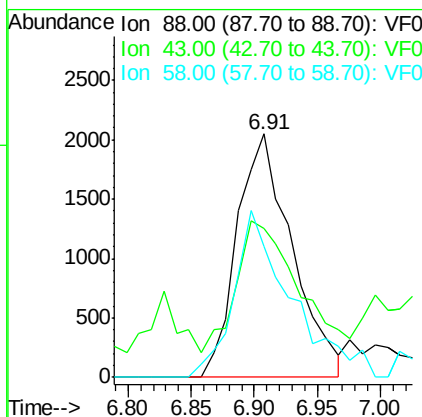
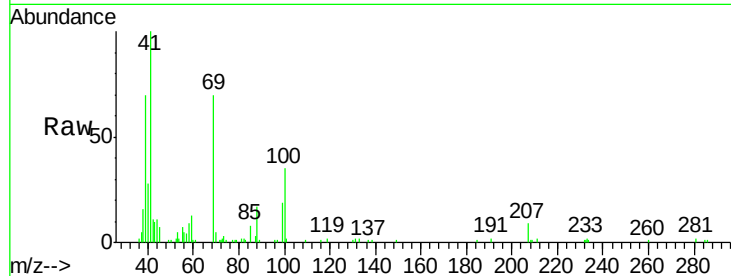
ClientSampleId :

VF0426SBS01

Tot Ion:	88	Resp:	6201
Ion	Ratio	Lower	Upper
88	100		
43	60.7	34.2	51.4#
58	71.3	50.7	76.1

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#50

Toluene-d8

Concen: 50.340 ug/l

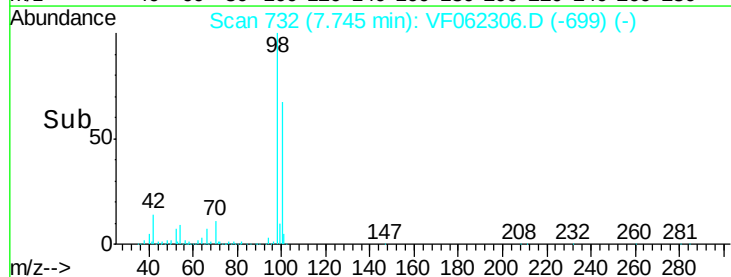
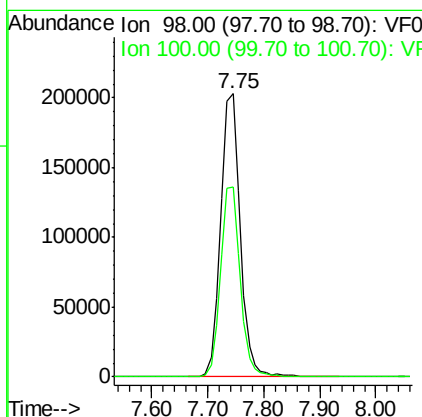
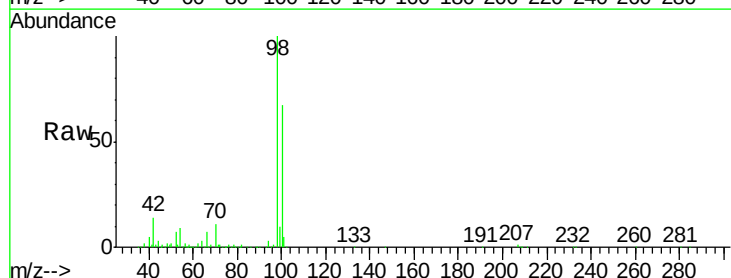
RT: 7.75 min Scan# 732

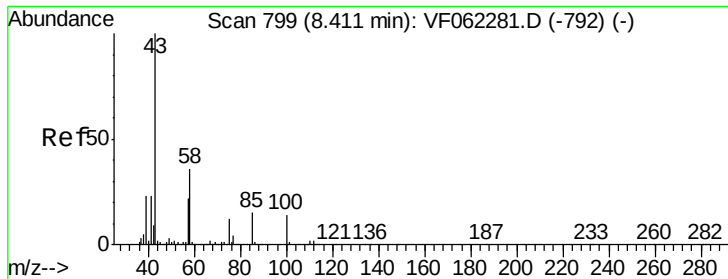
Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion:	98	Resp:	497960
Ion	Ratio	Lower	Upper
98	100		
100	66.6	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 100.880 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 43 Resp: 168505

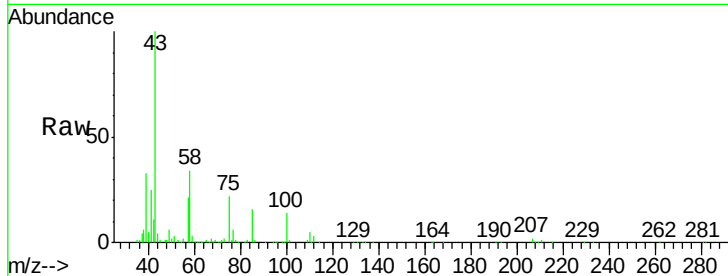
Ion Ratio Lower Upper

43 100

58 34.5 29.1 43.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.44

60000

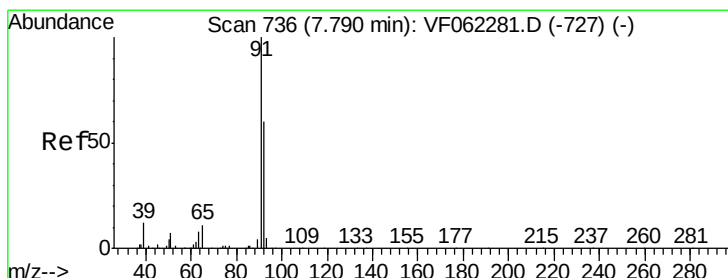
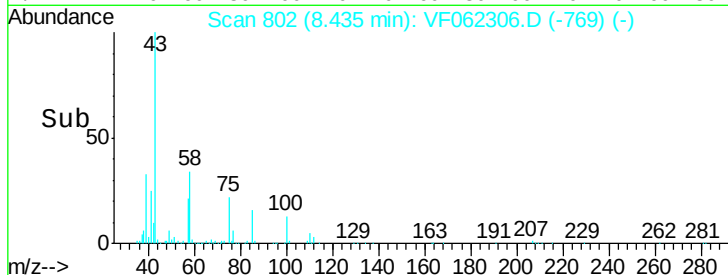
40000

20000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 19.763 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.01 min

Lab File: VF062306.D

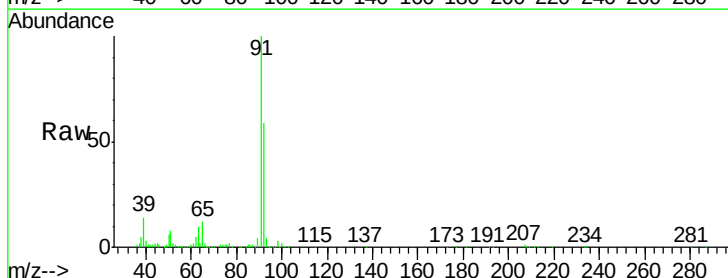
Acq: 26 Apr 2019 15:35

Tgt Ion: 92 Resp: 138837

Ion Ratio Lower Upper

92 100

91 170.9 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.80

100000

80000

60000

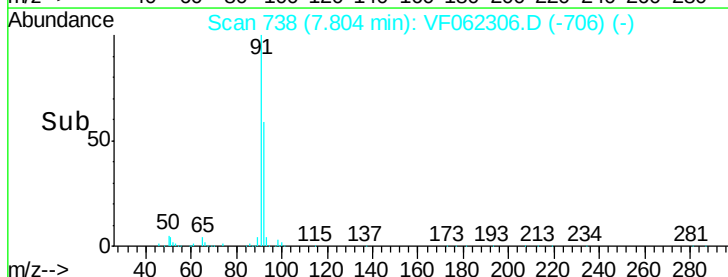
40000

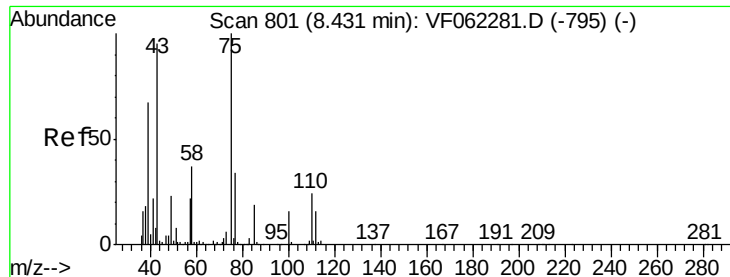
20000

0

7.60 7.70 7.80 7.90 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.248 ug/l

RT: 8.45 min Scan# 804

Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 75 Resp: 76232

Ion Ratio Lower Upper

75 100

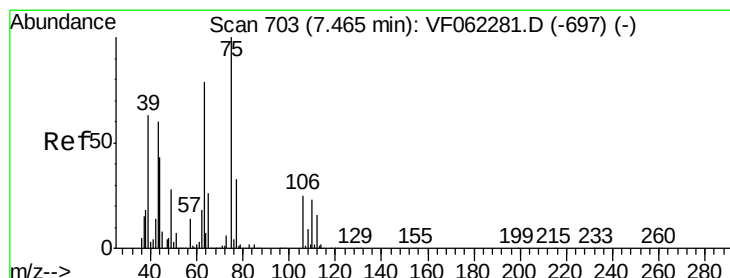
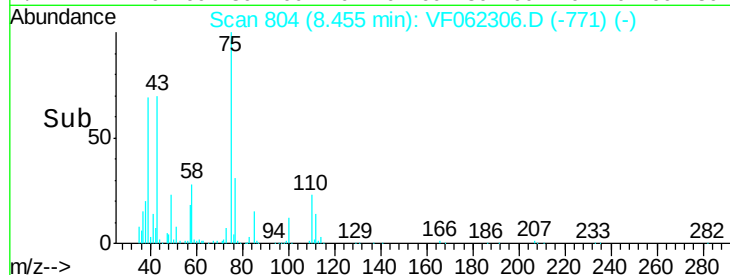
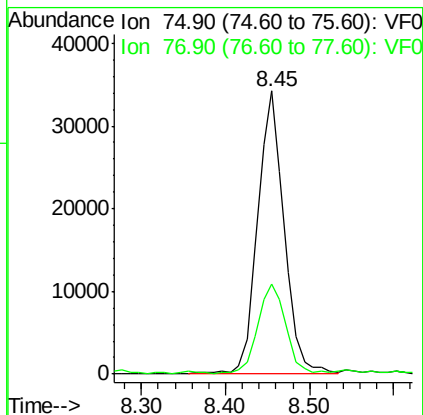
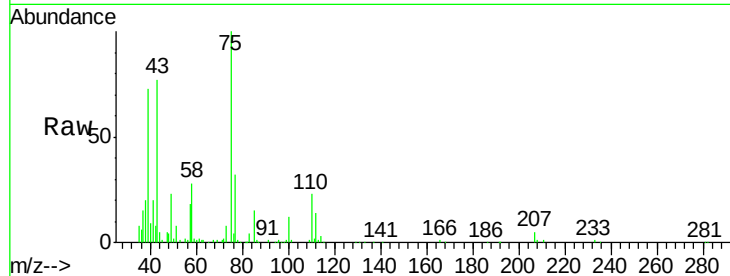
77 30.8 26.9 40.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.351 ug/l

RT: 7.49 min Scan# 706

Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

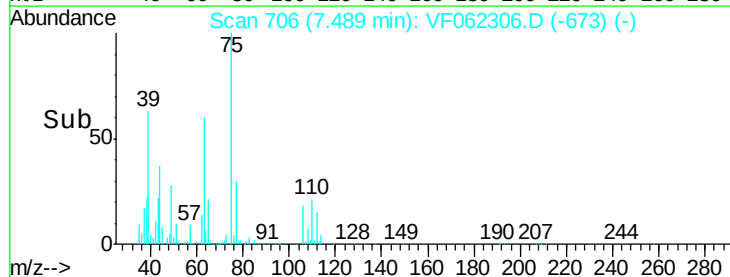
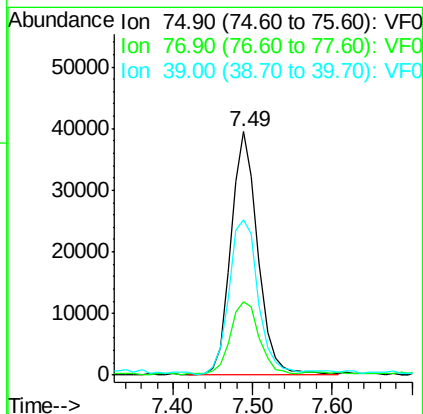
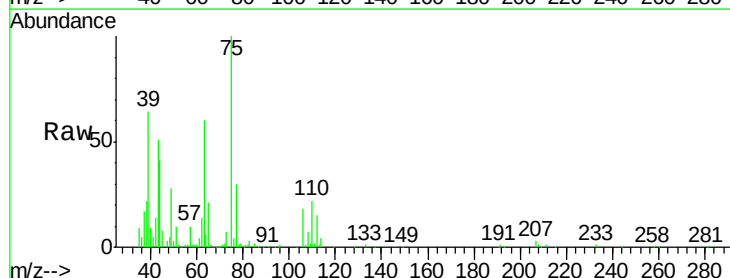
Tgt Ion: 75 Resp: 93720

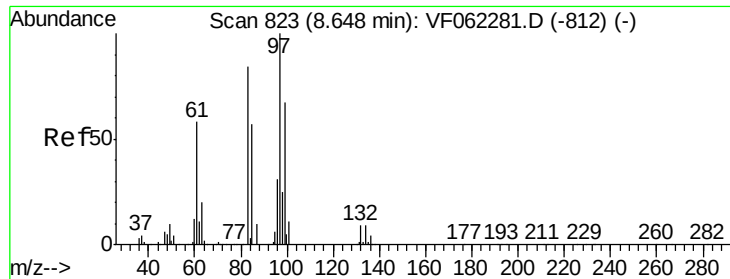
Ion Ratio Lower Upper

75 100

77 29.4 26.5 39.7

39 62.5 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 21.646 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

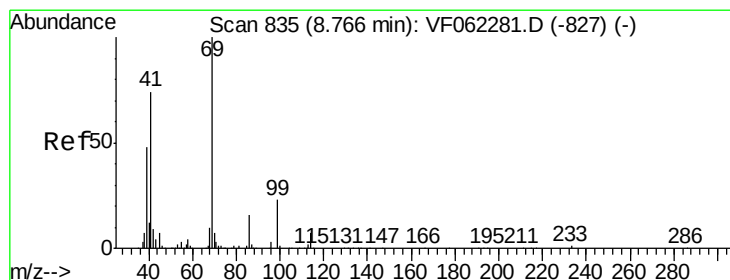
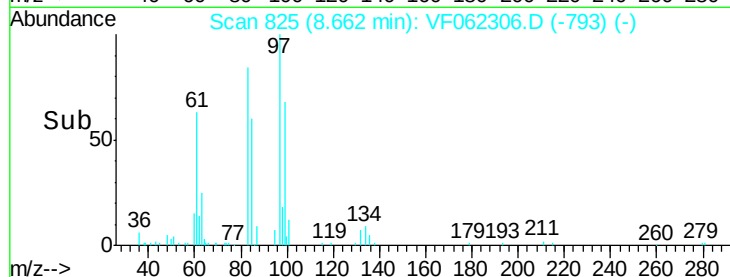
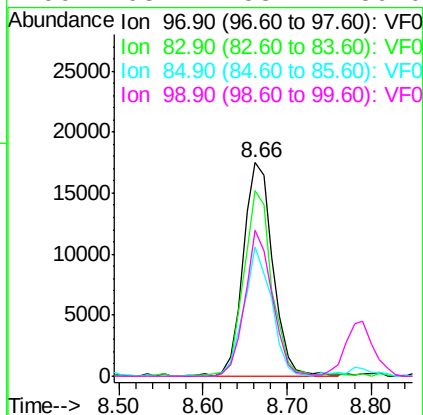
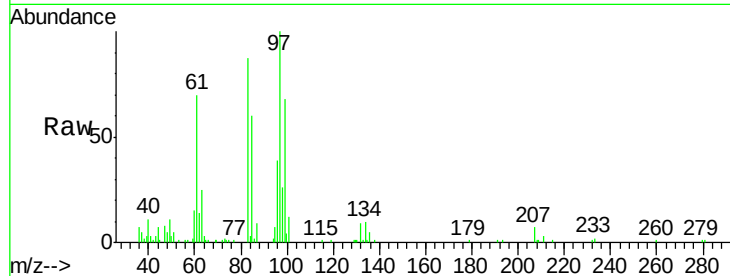
ClientSampleId :

VF0426SBS01

Tot Ion:	97	Resp:	43190
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.5	101.3
85	59.7	45.3	67.9
99	68.4	53.4	80.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.187 ug/l

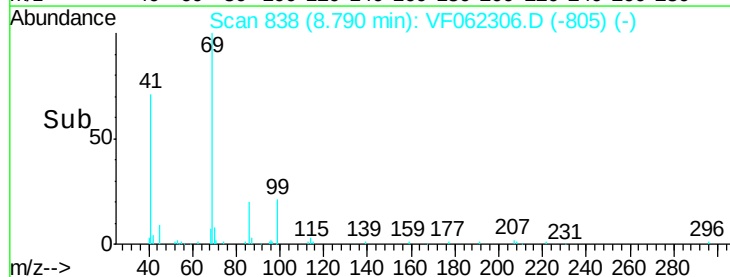
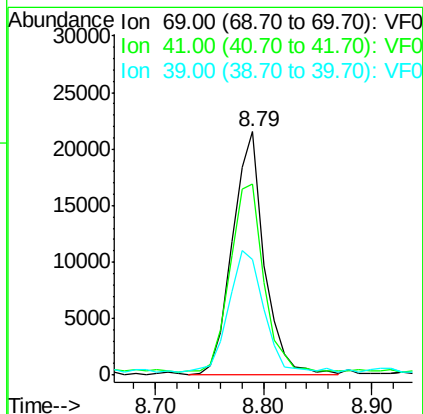
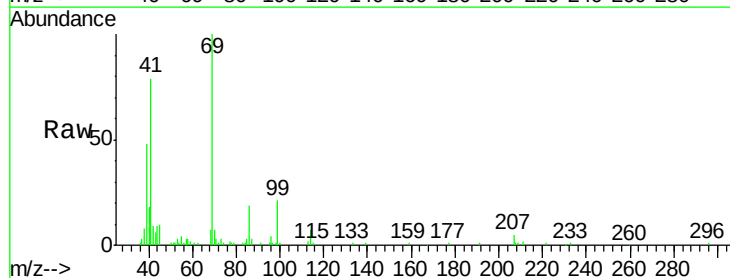
RT: 8.79 min Scan# 838

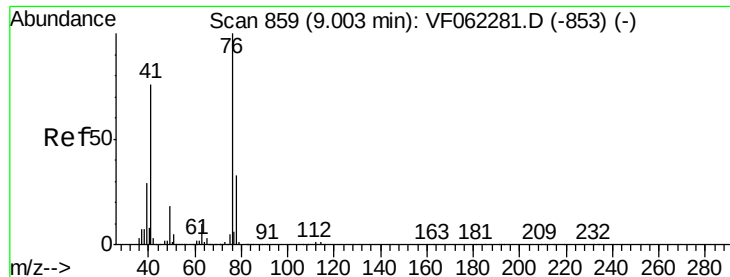
Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion:	69	Resp:	44250
Ion	Ratio	Lower	Upper
69	100		
41	82.0	61.5	92.3
39	55.1	37.9	56.9





#57

1,3-Dichloropropane

Concen: 20.920 ug/l

RT: 9.03 min Scan# 862

Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.0	27.0	40.6

Instrument :

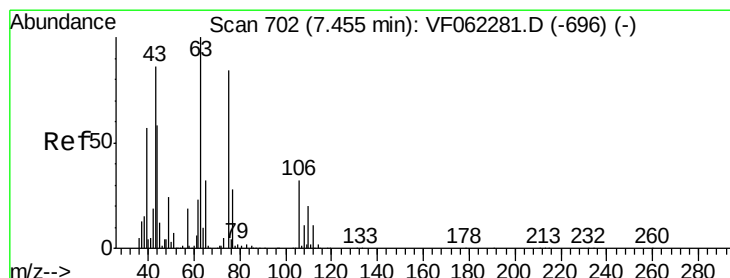
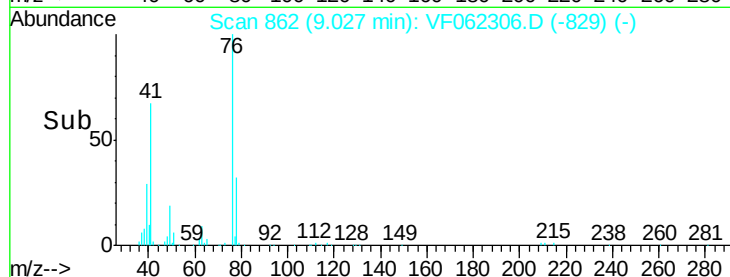
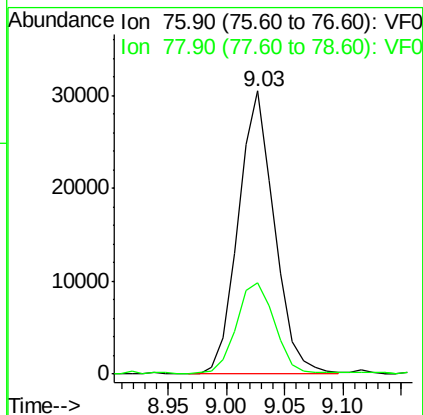
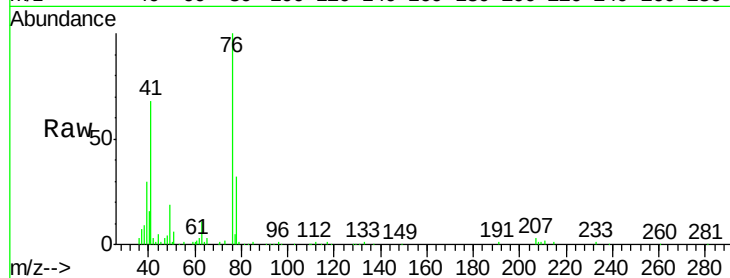
MSVOA_F

ClientSampleId :

VF0426SBS01

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#58

2-Chloroethyl Vinyl ether

Concen: 105.054 ug/l

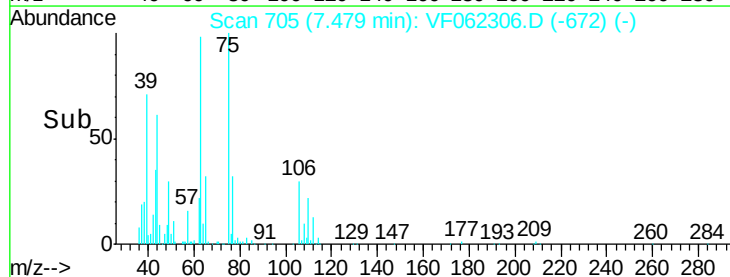
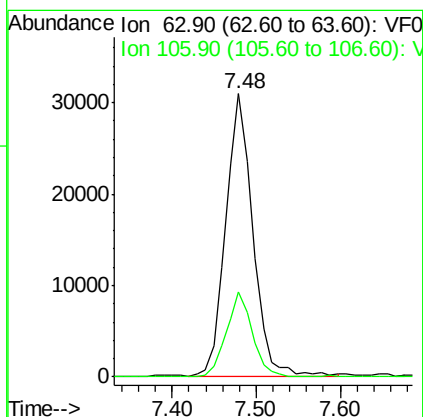
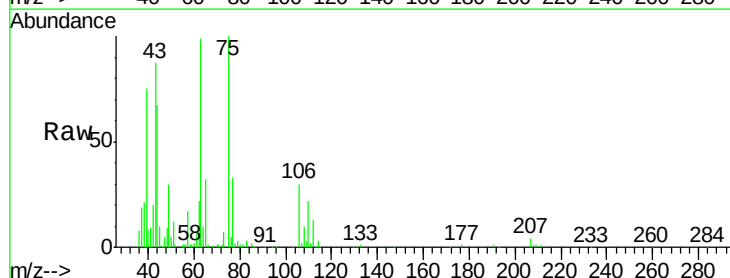
RT: 7.48 min Scan# 705

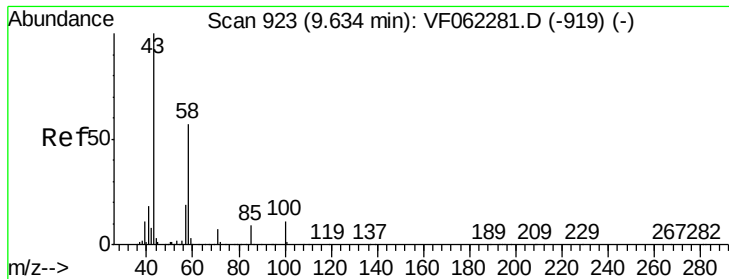
Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	24.7	37.1





#59

2-Hexanone

Concen: 107.654 ug/l

RT: 9.65 min Scan# 925

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 43 Resp: 118003

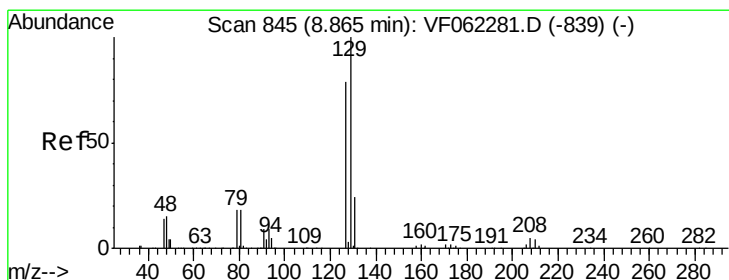
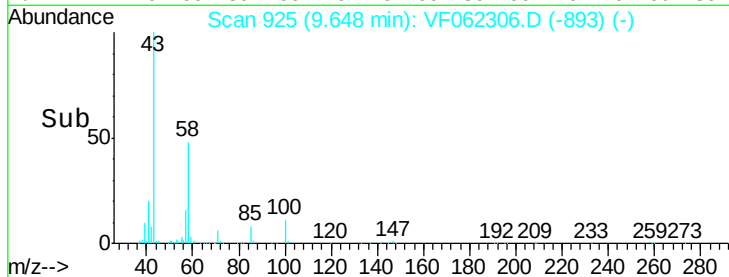
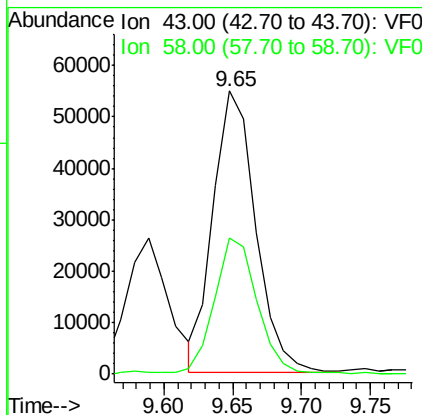
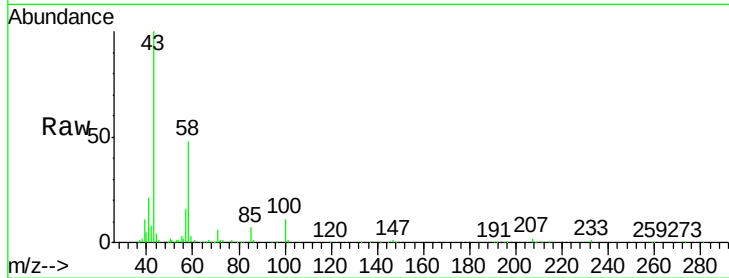
Ion Ratio Lower Upper

43 100

58 47.6 24.9 74.7

Manual Integrations
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#60

Dibromochloromethane

Concen: 21.784 ug/l

RT: 8.89 min Scan# 848

Delta R.T. 0.02 min

Lab File: VF062306.D

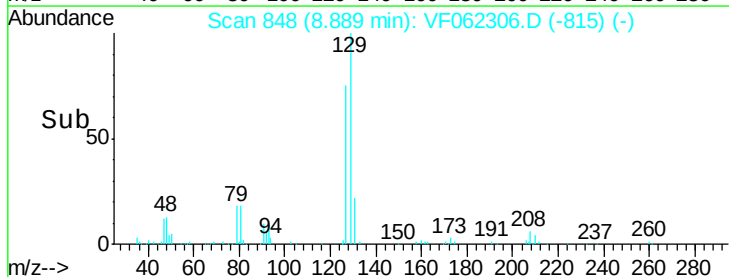
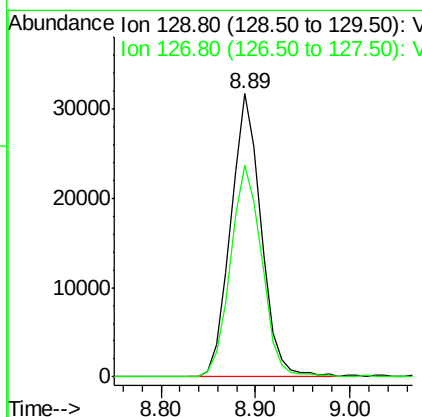
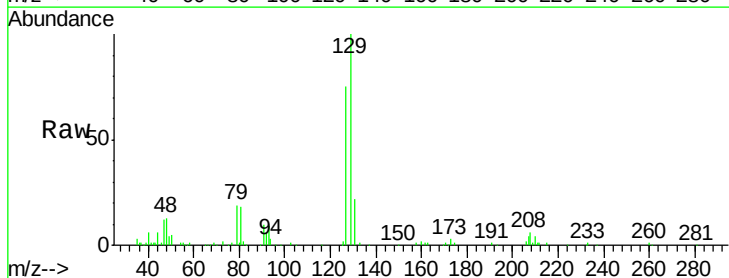
Acq: 26 Apr 2019 15:35

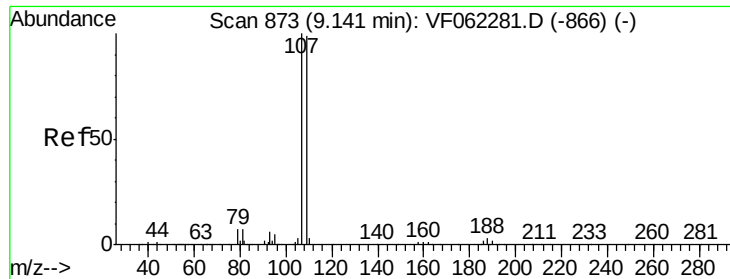
Tgt Ion: 129 Resp: 70543

Ion Ratio Lower Upper

129 100

127 76.9 38.8 116.4





#61

1,2-Dibromoethane

Concen: 21.294 ug/l

RT: 9.16 min Scan# 876

Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 107 Resp: 49174

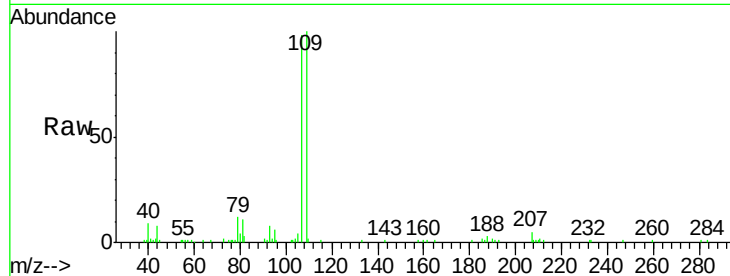
Ion Ratio Lower Upper

107 100

109 95.5 78.7 118.1

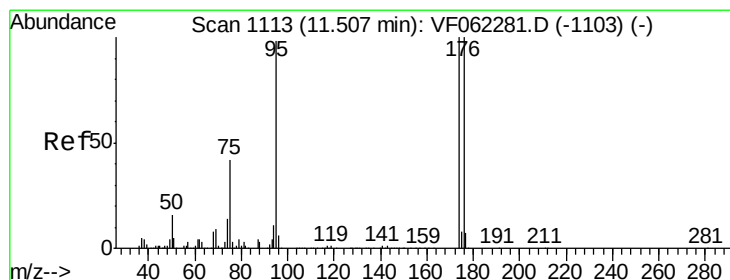
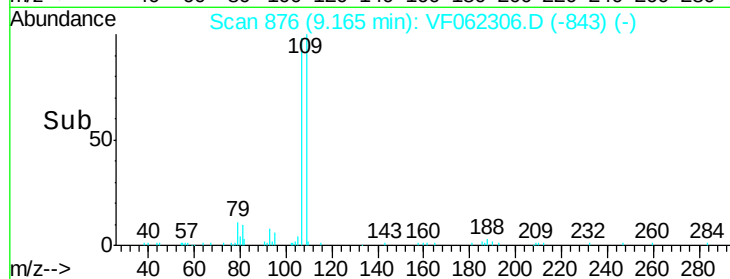
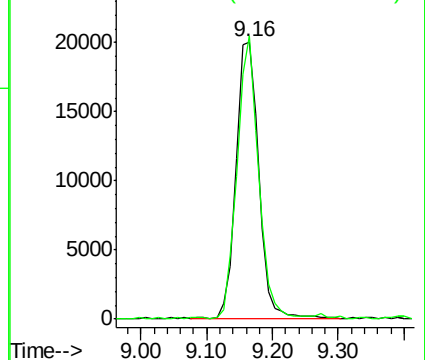
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.457 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

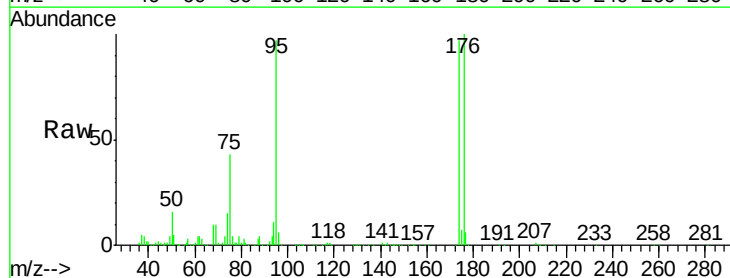
Tgt Ion: 95 Resp: 213885

Ion Ratio Lower Upper

95 100

174 95.4 0.0 185.2

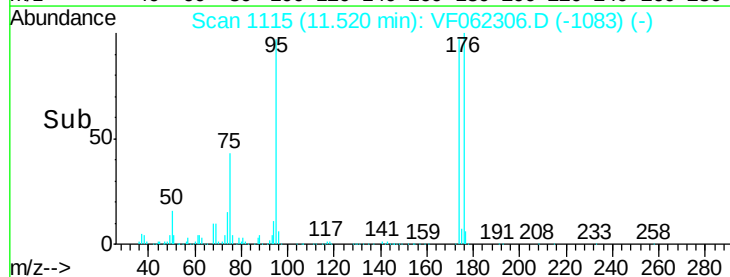
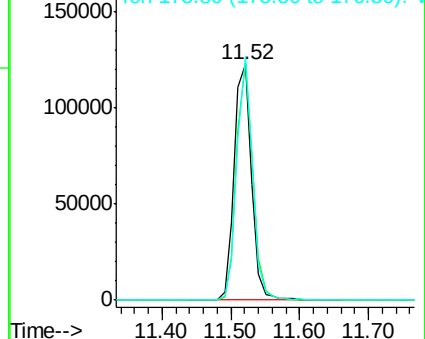
176 94.0 0.0 184.8

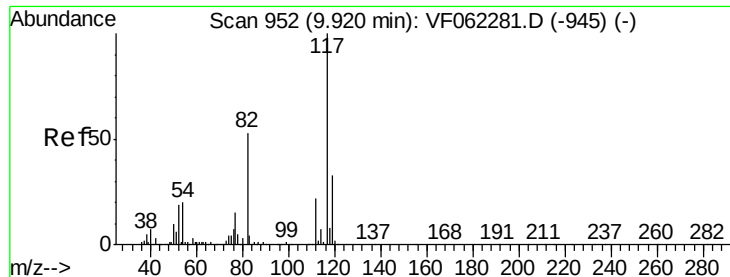


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





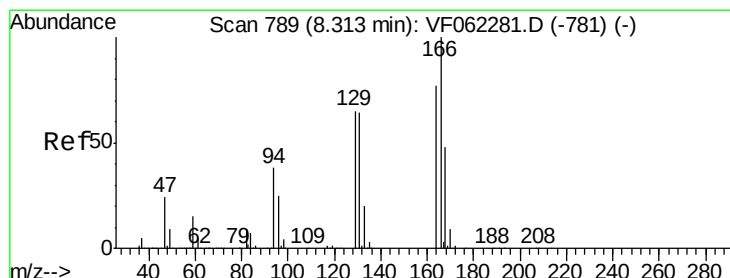
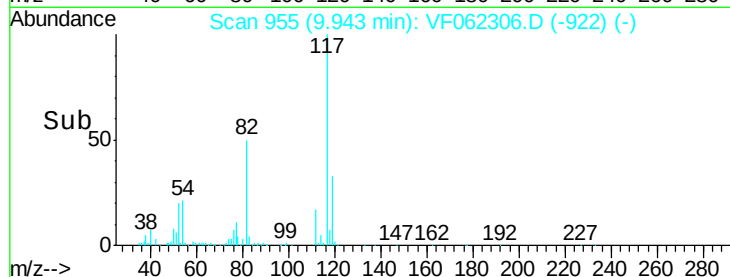
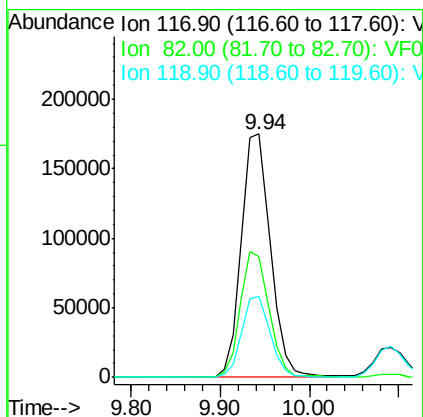
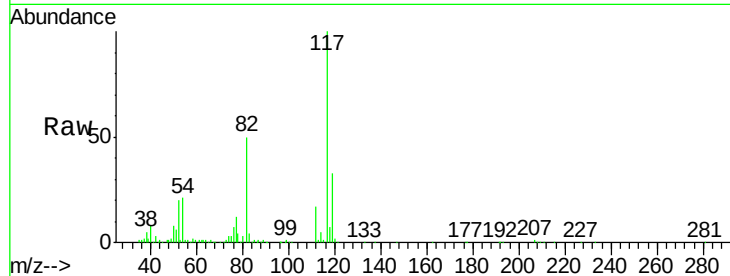
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.02 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	397629		
82	49.7		42.6	64.0
119	33.3		26.1	39.1

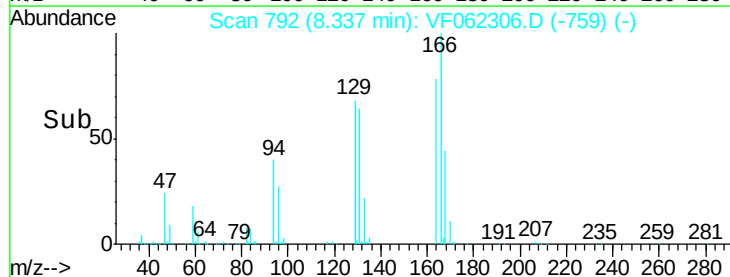
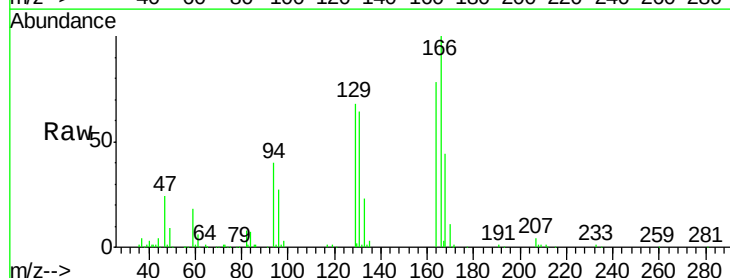
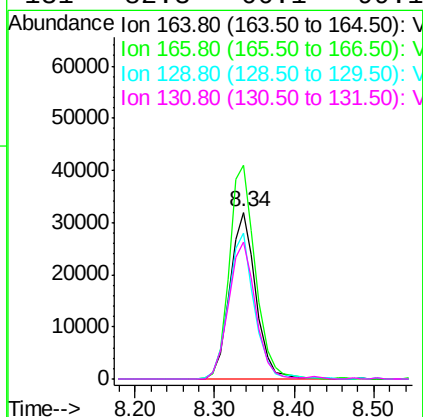
Manual Integrations
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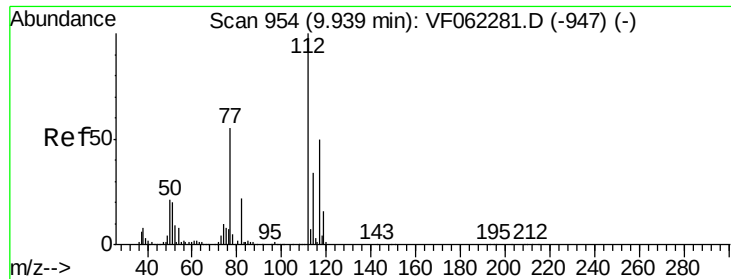
MMDadoda
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#64
Tetrachloroethene
Concen: 21.963 ug/l
RT: 8.34 min Scan# 792
Delta R.T. 0.02 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73046		
166	128.1		103.5	155.3
129	87.7		67.6	101.4
131	82.3		66.1	99.1





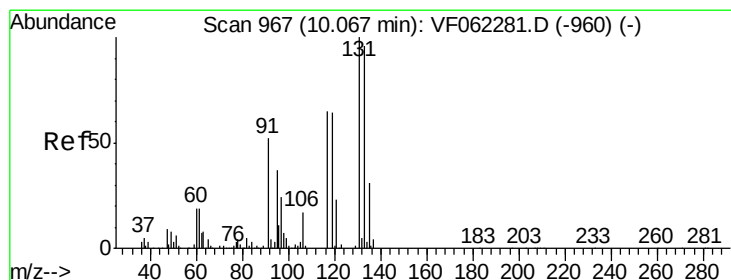
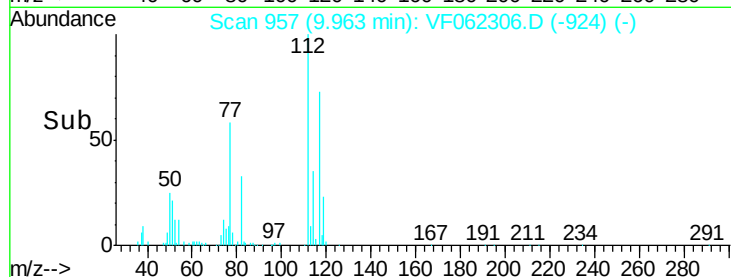
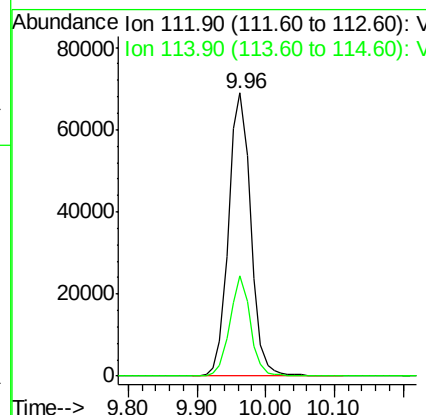
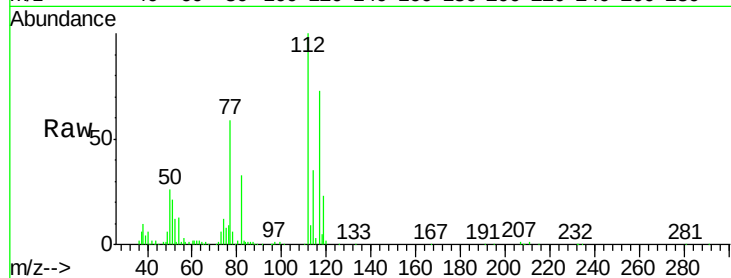
#65
Chlorobenzene
Concen: 21.290 ug/l
RT: 9.96 min Scan# 957
Delta R.T. 0.02 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	154700		
114	35.3	27.0	40.6	

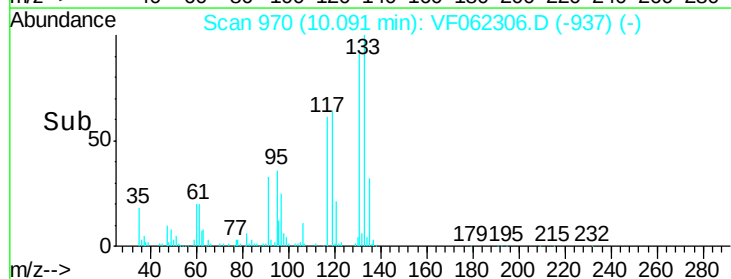
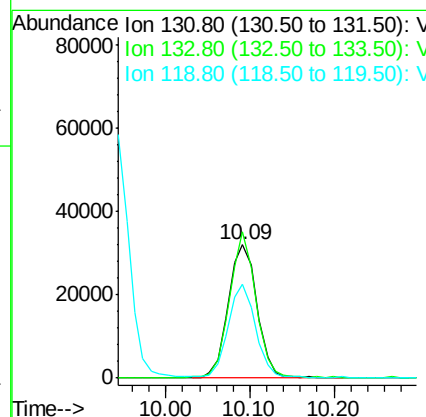
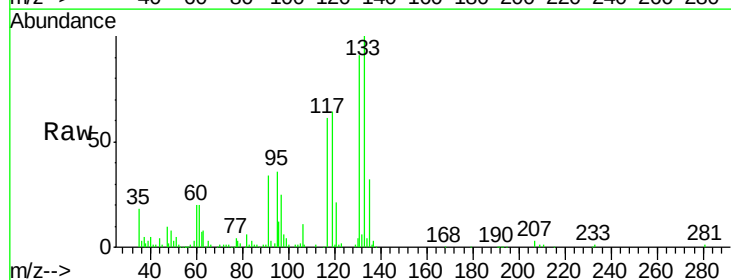
Manual Integrations
APPROVED

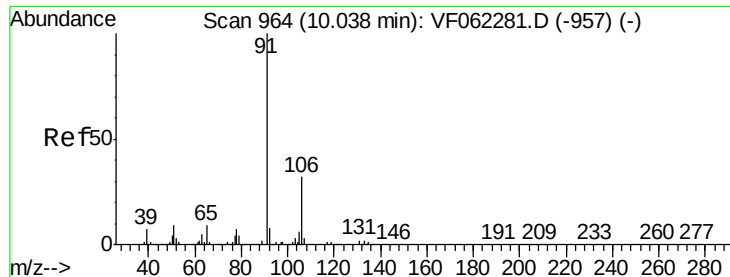
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.125 ug/l
RT: 10.09 min Scan# 970
Delta R.T. 0.02 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	75724		
133	101.1	48.5	145.5	
119	66.8	32.9	98.7	





#67

Ethyl Benzene

Concen: 22.458 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.02 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 91 Resp: 283691

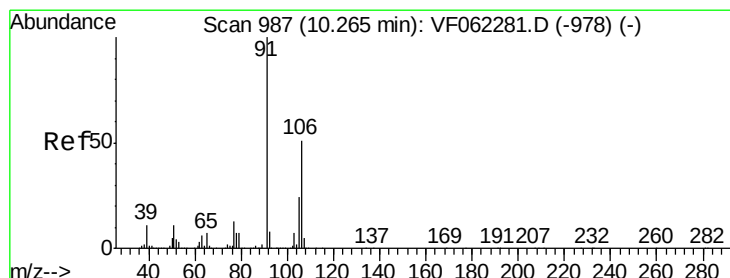
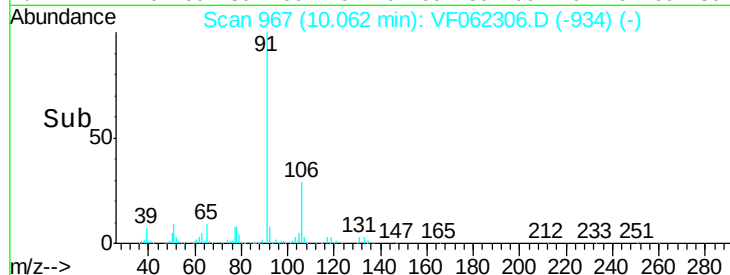
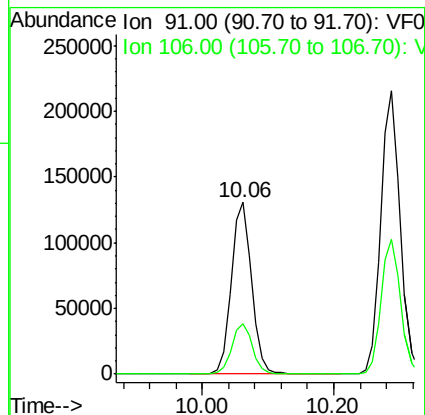
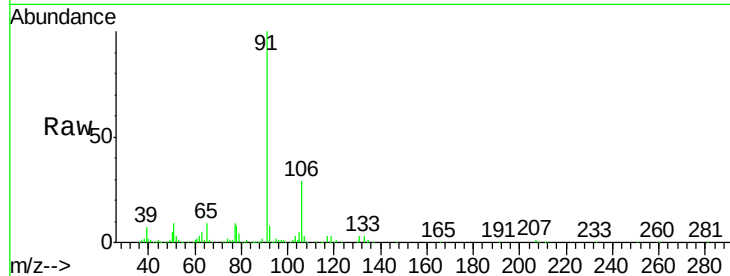
Ion Ratio Lower Upper

91 100

106 29.0 25.6 38.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 45.147 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.02 min

Lab File: VF062306.D

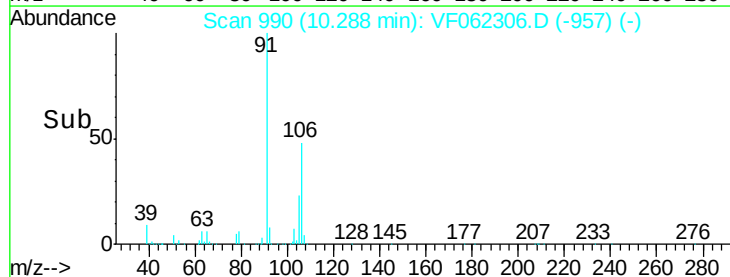
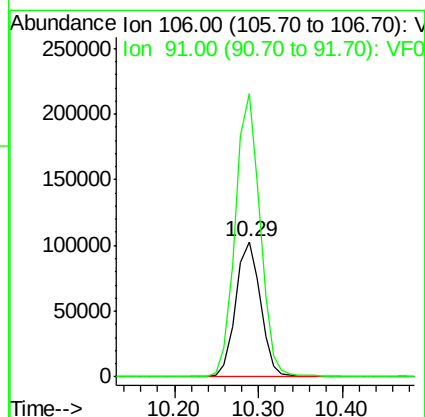
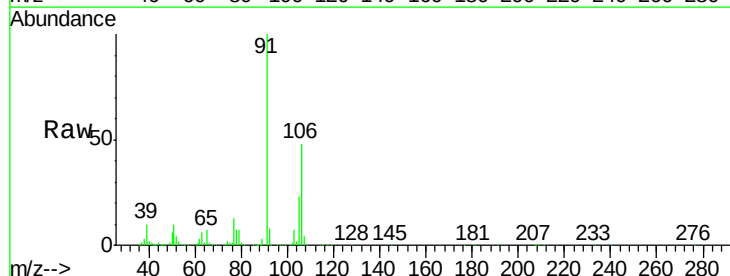
Acq: 26 Apr 2019 15:35

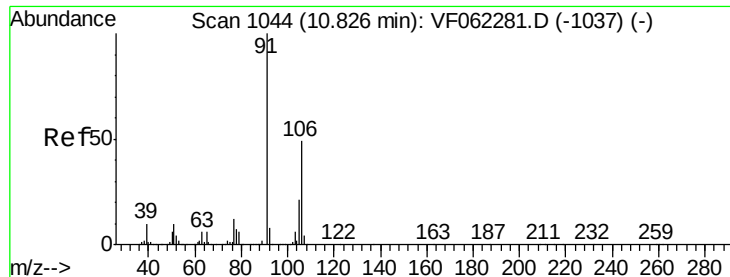
Tgt Ion: 106 Resp: 212334

Ion Ratio Lower Upper

106 100

91 208.1 158.3 237.5





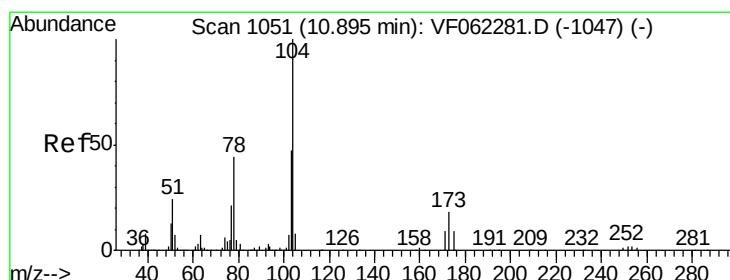
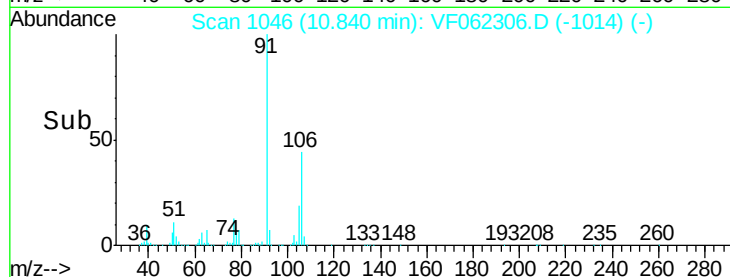
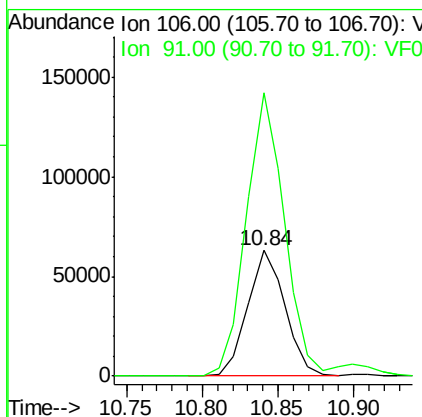
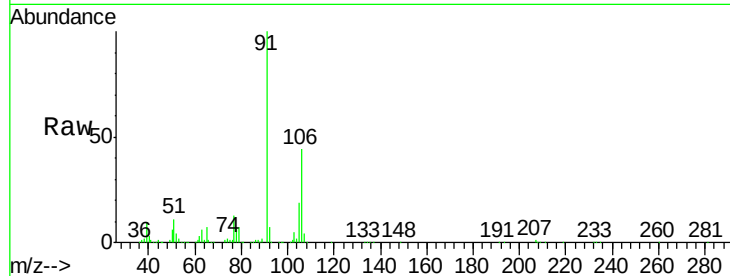
#69
o-Xylene
Concen: 20.807 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	109327		
91	91	230.2	110.0	330.0	

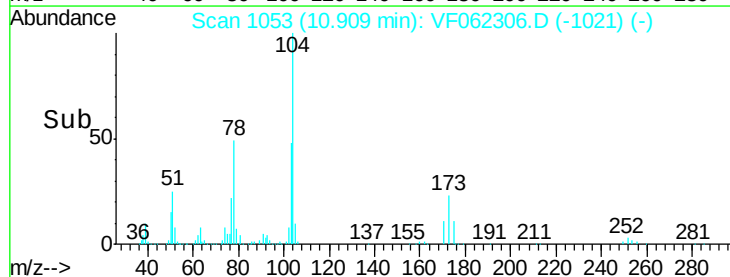
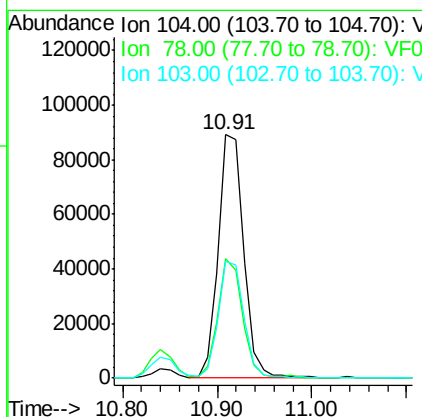
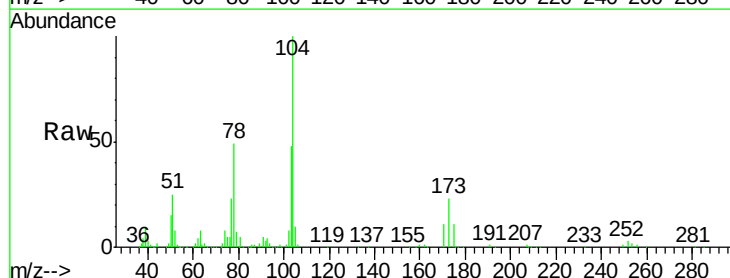
Manual Integrations
APPROVED

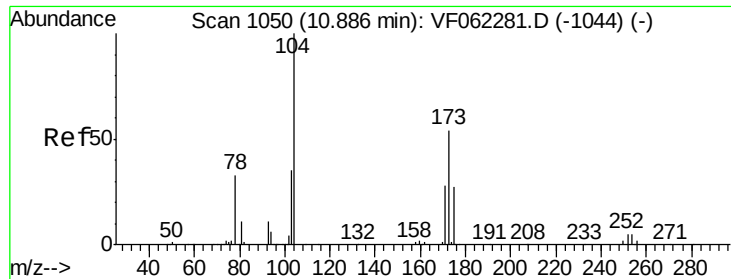
MMDadoda
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#70
Styrene
Concen: 21.783 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	165457		
78	78	46.5	35.9	53.9	
103	103	48.0	37.5	56.3	





#71

Bromoform

Concen: 22.438 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

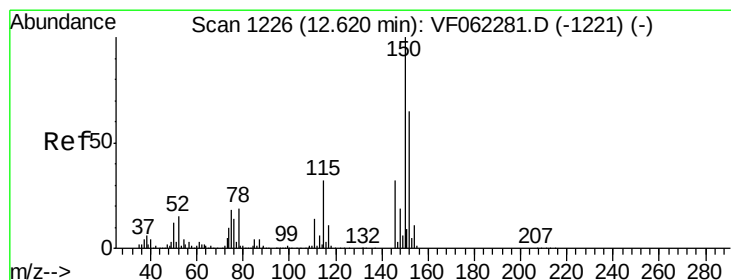
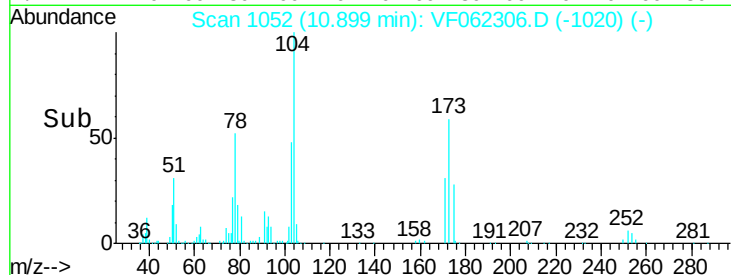
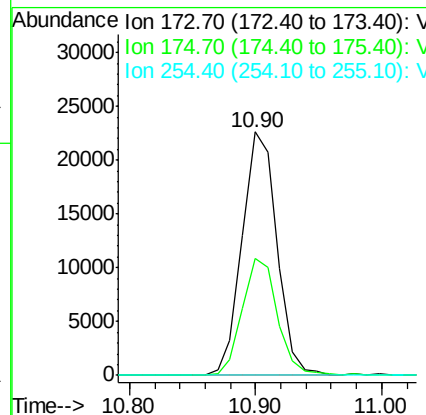
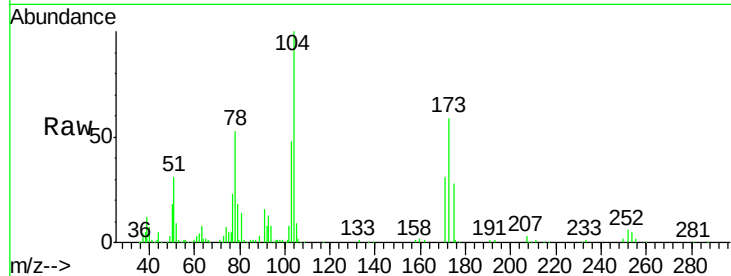
ClientSampleId :

VF0426SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	25.3	75.9
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

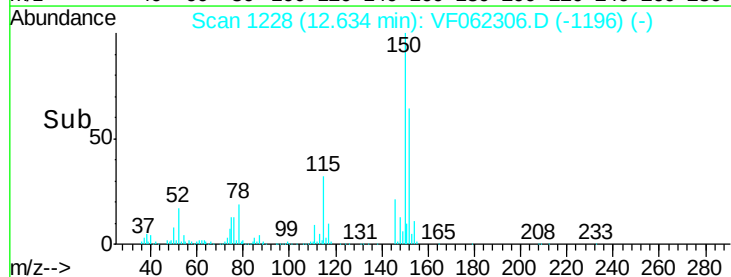
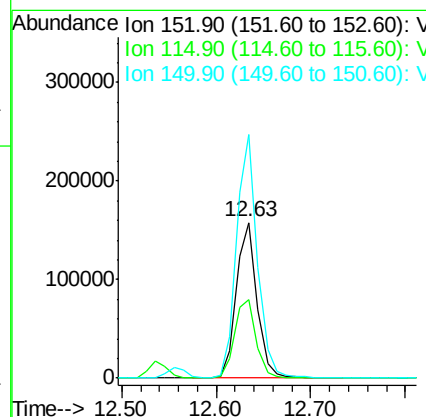
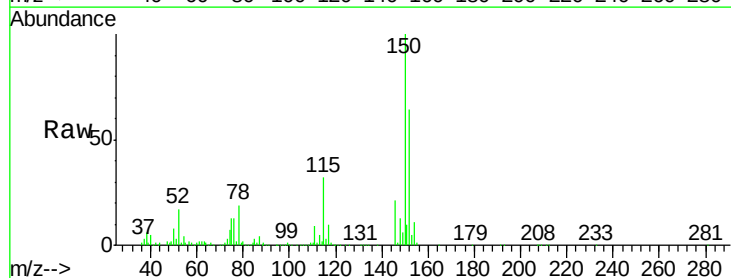
RT: 12.63 min Scan# 1228

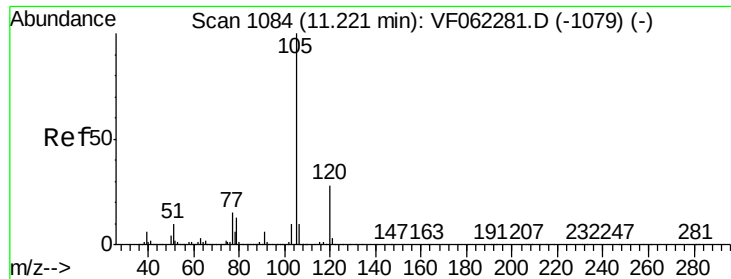
Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	25.6	76.8
150	159.4	0.0	330.6





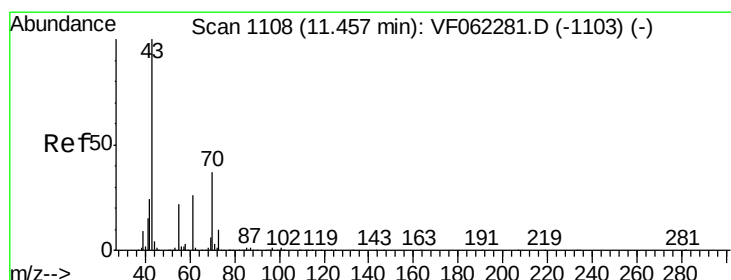
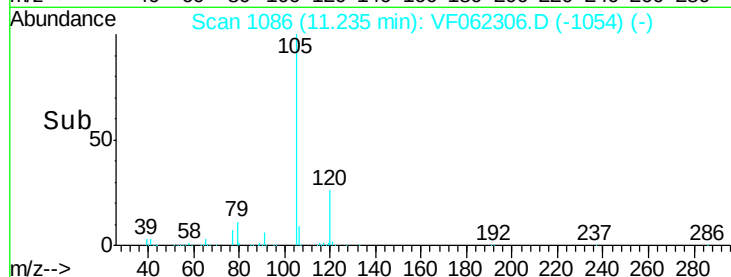
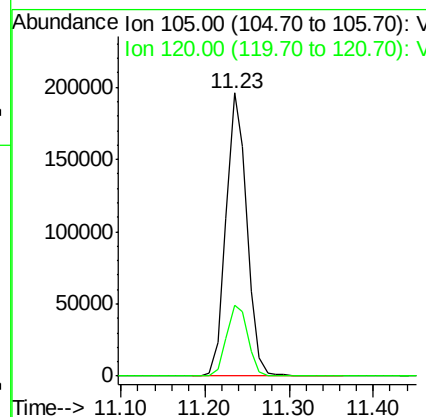
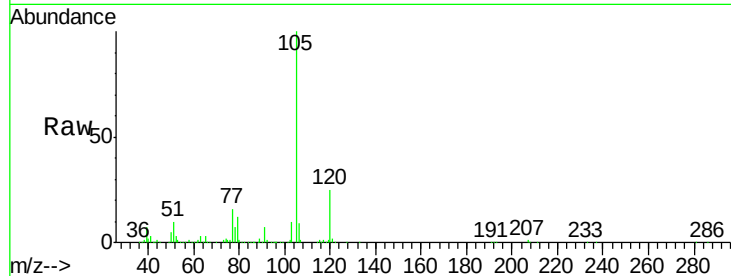
#73
Isopropylbenzene
Concen: 20.585 ug/l
RT: 11.23 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion:105 Resp: 335277
Ion Ratio Lower Upper
105 100
120 25.8 12.4 37.2

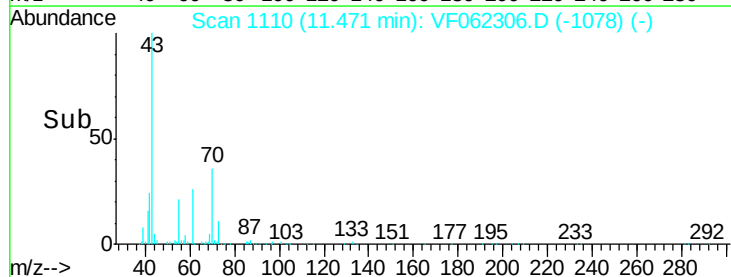
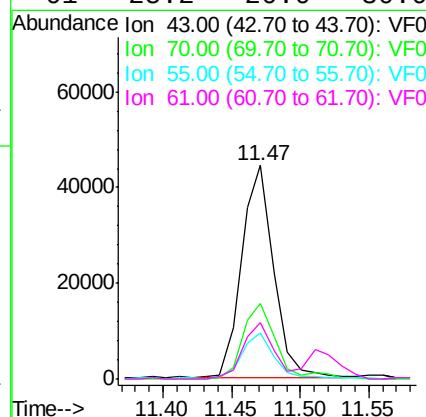
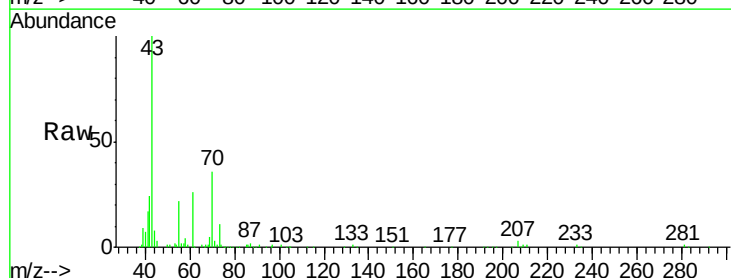
Manual Integrations
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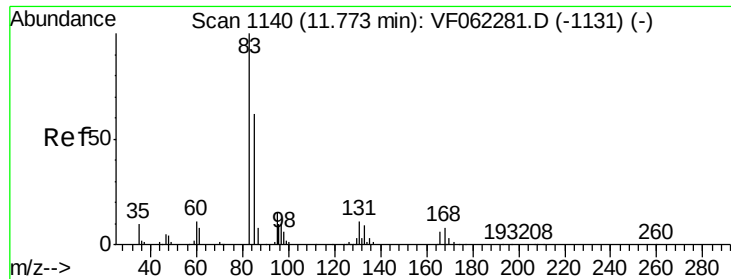
MMDadoda
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#74
N-ethyl acetate
Concen: 19.066 ug/l
RT: 11.47 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion: 43 Resp: 71550
Ion Ratio Lower Upper
43 100
70 38.1 27.8 41.8
55 23.9 16.6 24.8
61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.620 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

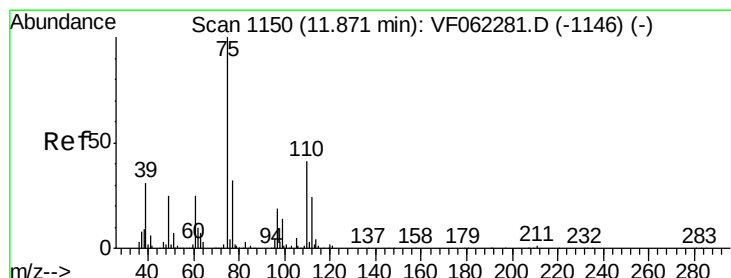
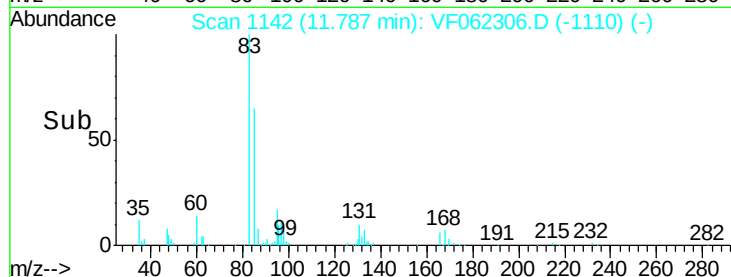
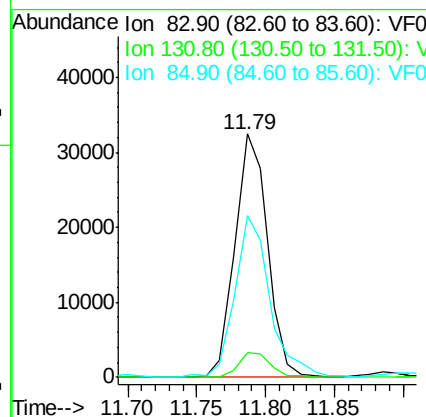
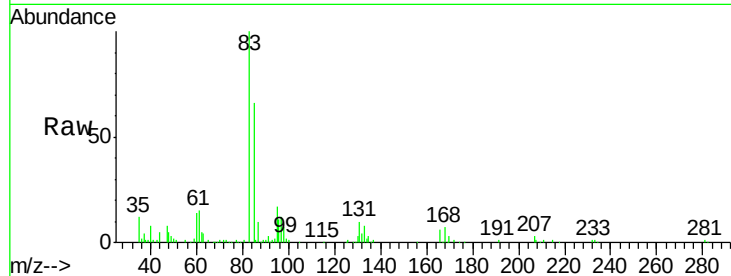
ClientSampleId :

VF0426SBS01

Tot Ion:	83	Resp:	53359
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.5	16.5
85	72.2	34.5	103.6

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#76

1,2,3-Trichloropropane

Concen: 21.023 ug/l

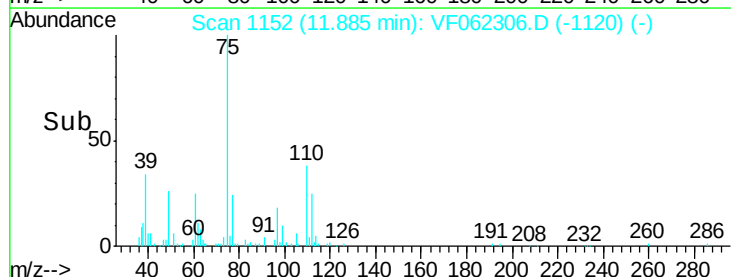
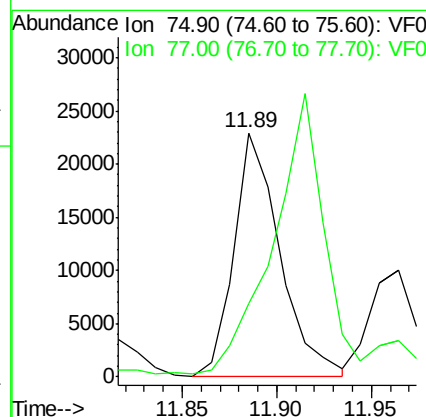
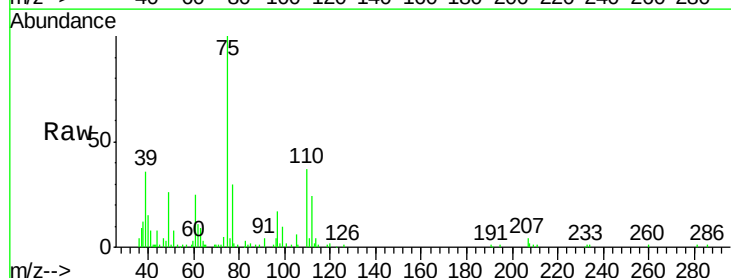
RT: 11.89 min Scan# 1152

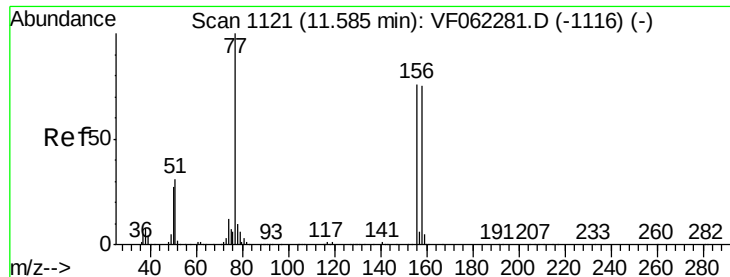
Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion:	75	Resp:	38598
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.267 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion:156 Resp: 86593

Ion Ratio Lower Upper

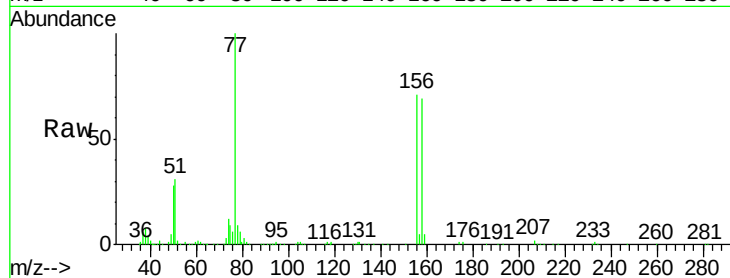
156 100

77 136.1 67.3 201.9

158 98.3 49.5 148.5

Manual Integrations
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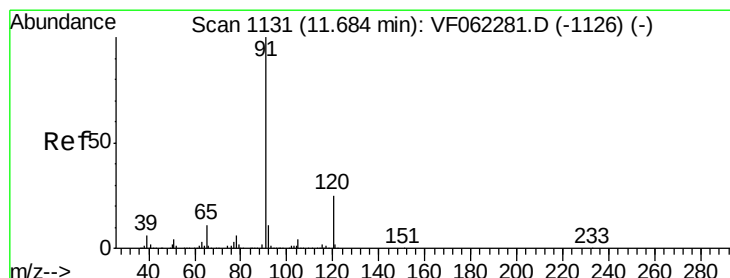
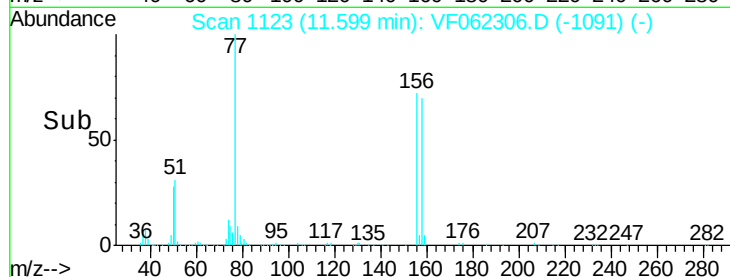
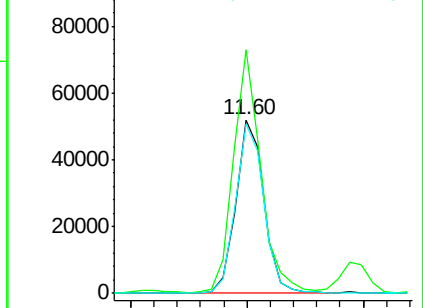
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.887 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF062306.D

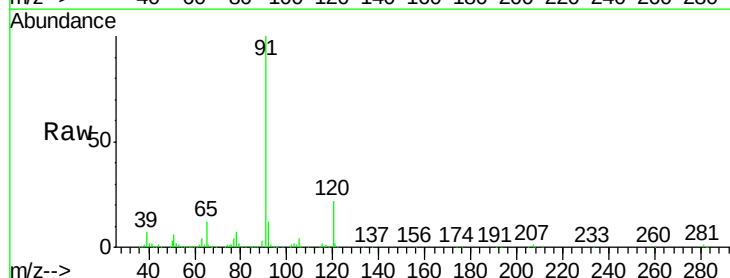
Acq: 26 Apr 2019 15:35

Tgt Ion: 91 Resp: 357971

Ion Ratio Lower Upper

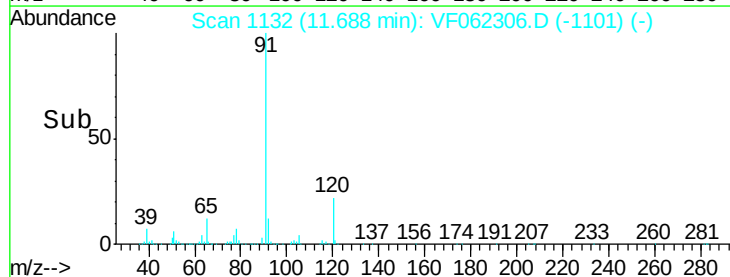
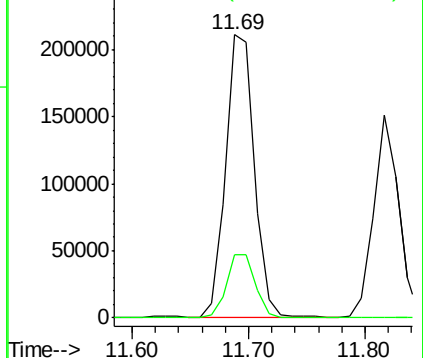
91 100

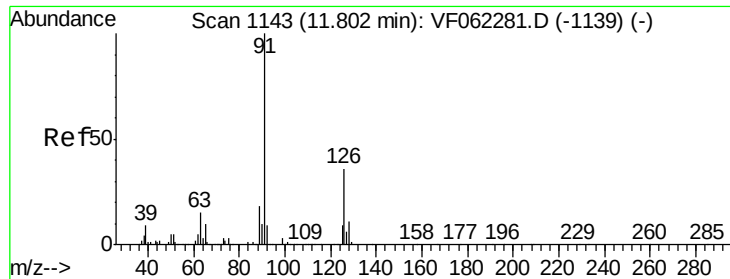
120 22.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.797 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 91 Resp: 225012

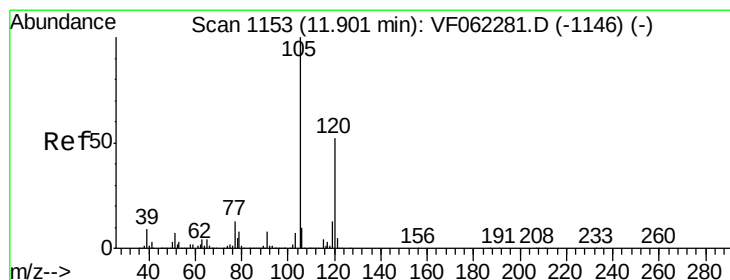
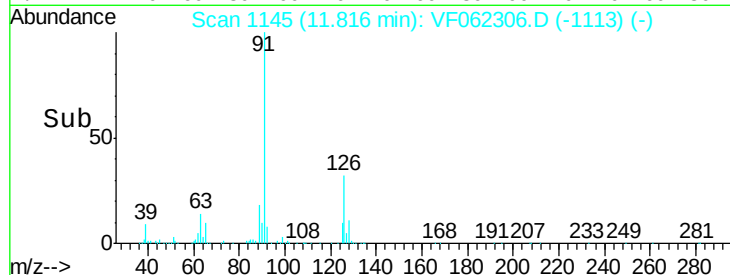
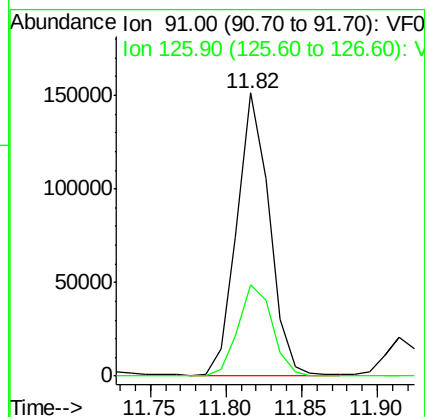
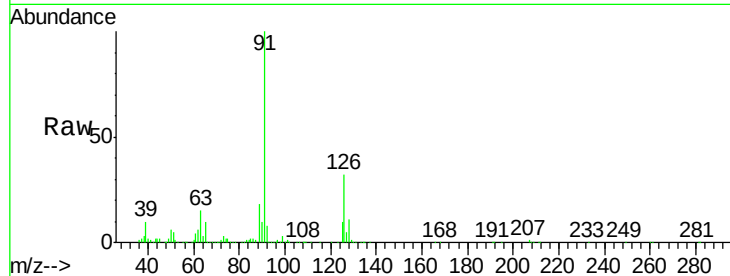
Ion Ratio Lower Upper

91 100

126 34.6 17.9 53.8

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#80

1,3,5-Trimethylbenzene

Concen: 20.950 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF062306.D

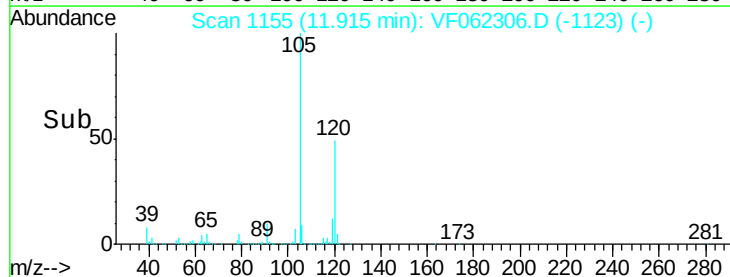
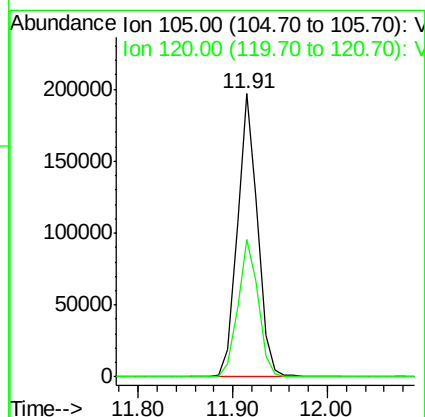
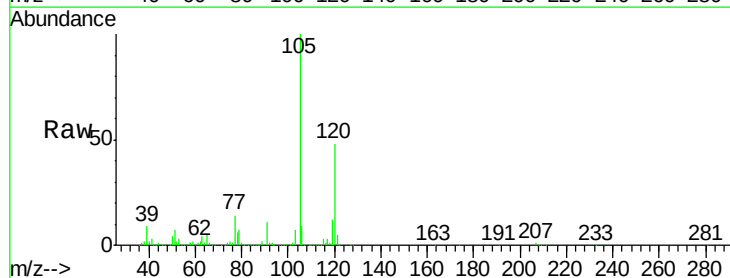
Acq: 26 Apr 2019 15:35

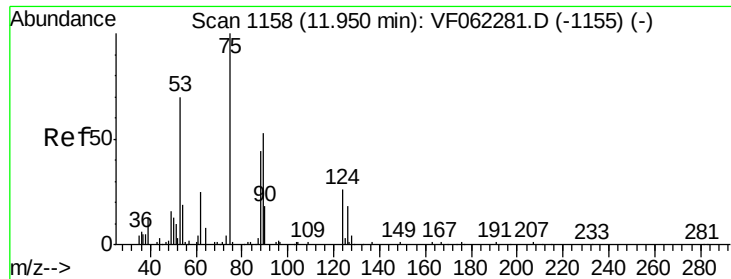
Tgt Ion:105 Resp: 288067

Ion Ratio Lower Upper

105 100

120 49.2 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 22.010 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

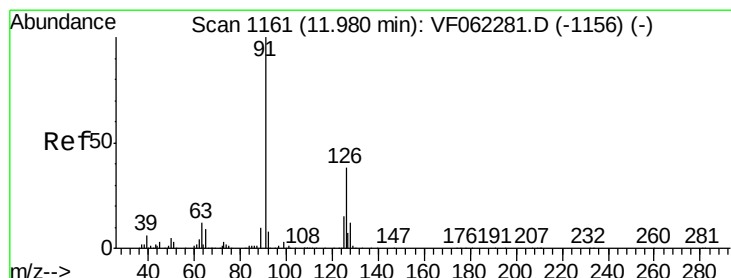
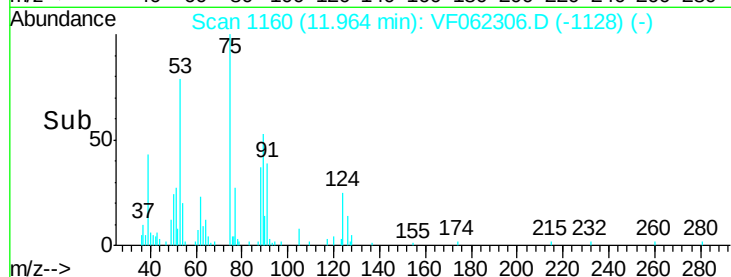
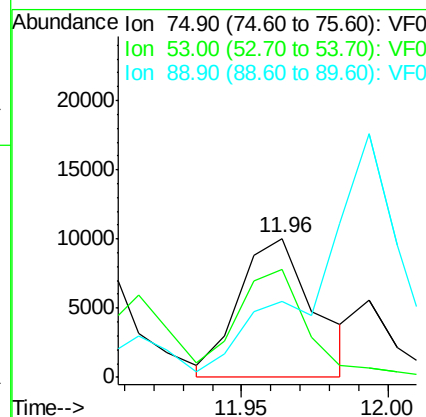
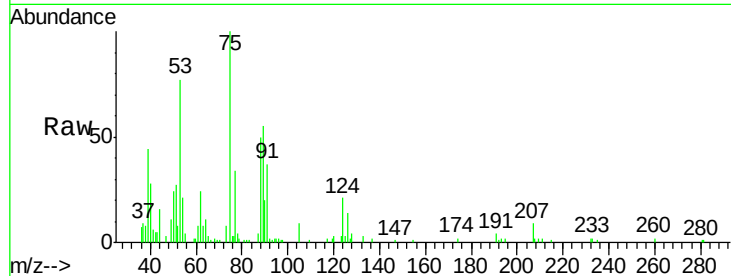
ClientSampleId :

VF0426SBS01

Tot Ion:	75	Resp:	18063
Ion Ratio	Lower	Upper	
75	100		
53	75.3	67.1	100.7
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.401 ug/l

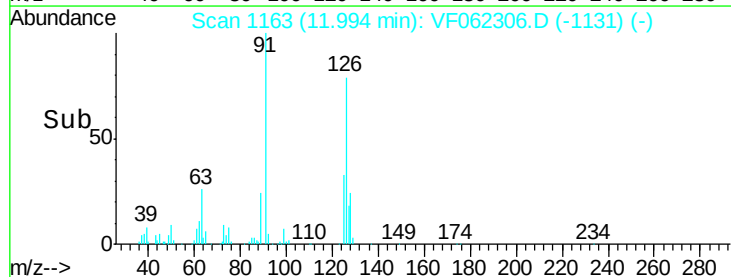
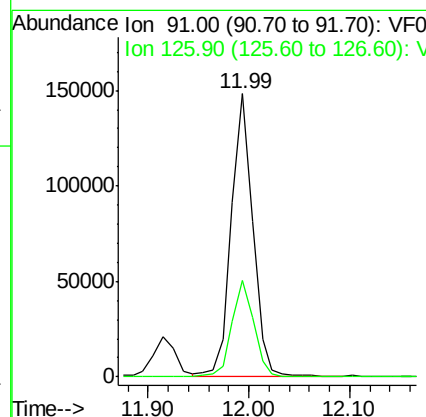
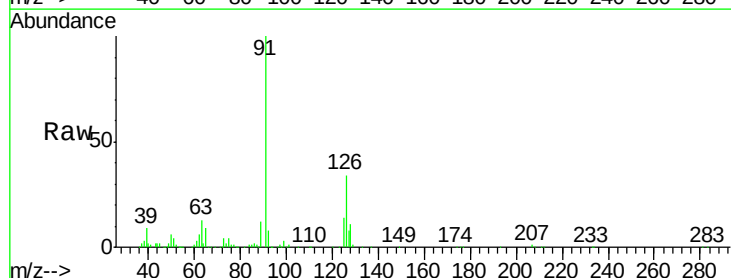
RT: 11.99 min Scan# 1163

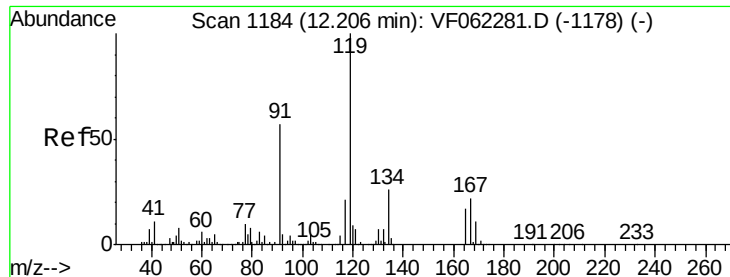
Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Tgt Ion:	91	Resp:	218604
Ion Ratio	Lower	Upper	
91	100		
126	35.7	17.3	52.0





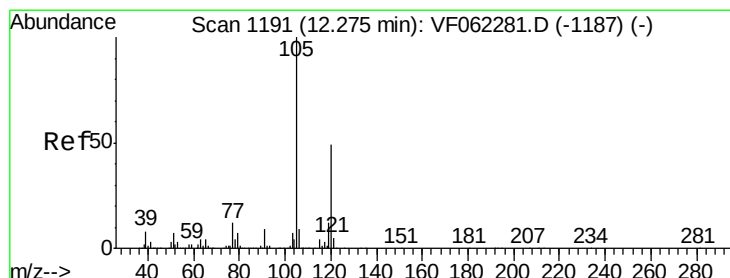
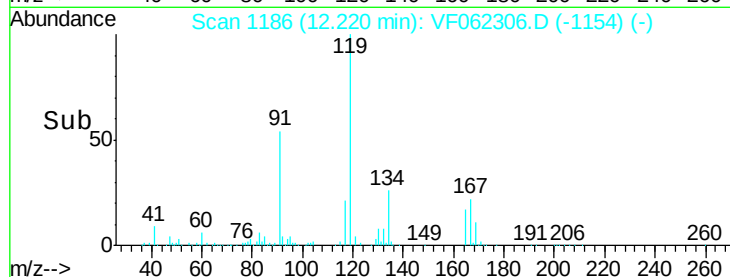
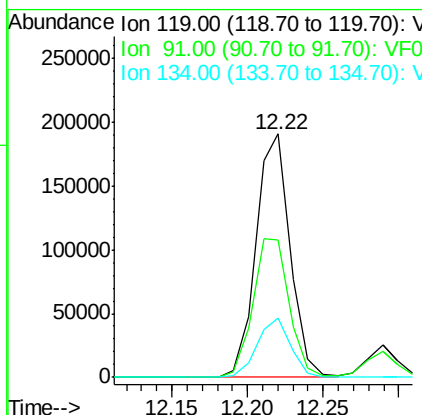
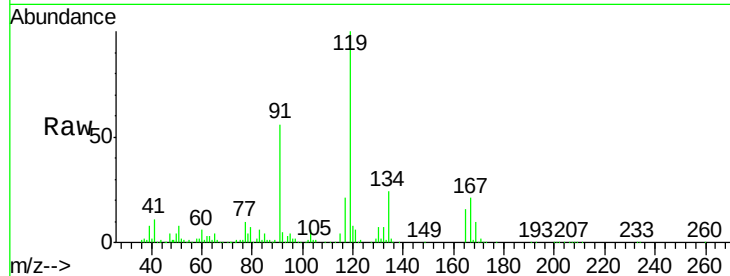
#83
 tert-Butylbenzene
 Concen: 21.323 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	300891		
91	60.2		29.4	88.2
134	23.8		11.9	35.7

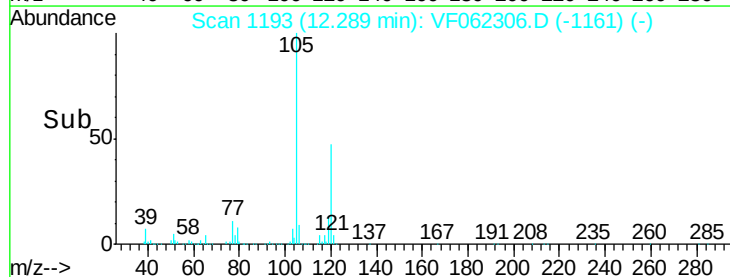
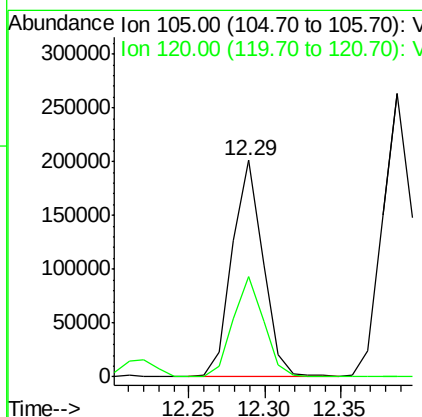
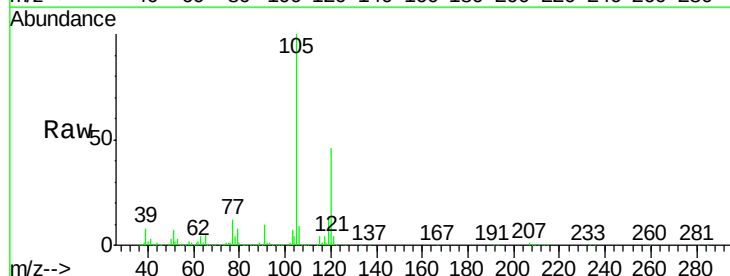
Manual Integrations
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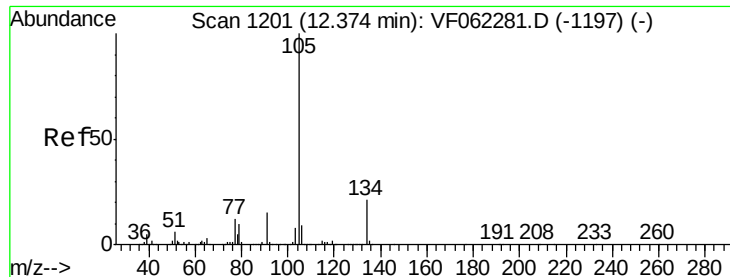
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.431 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	285392		
120	46.2		24.1	72.2





#85

sec-Butylbenzene

Concen: 21.130 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion:105 Resp: 371372

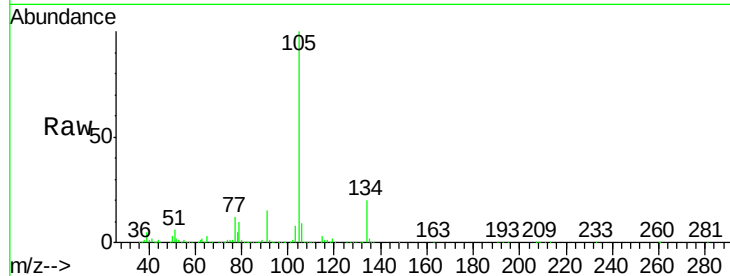
Ion Ratio Lower Upper

105 100

134 19.8 10.2 30.4

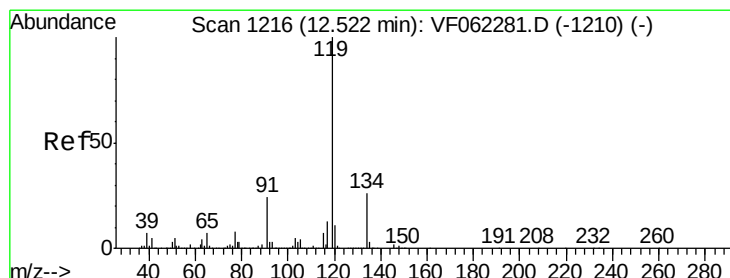
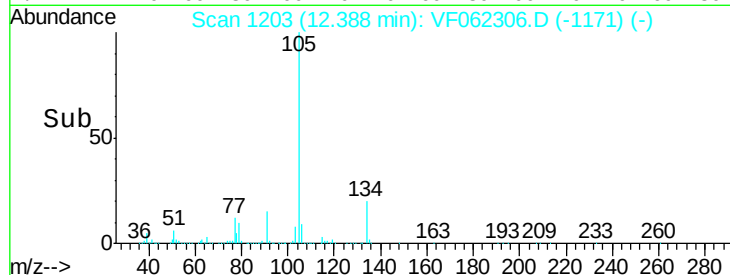
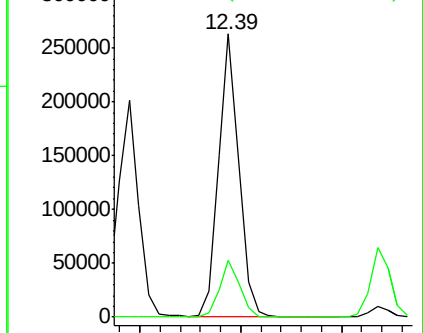
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.035 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062306.D

Acq: 26 Apr 2019 15:35

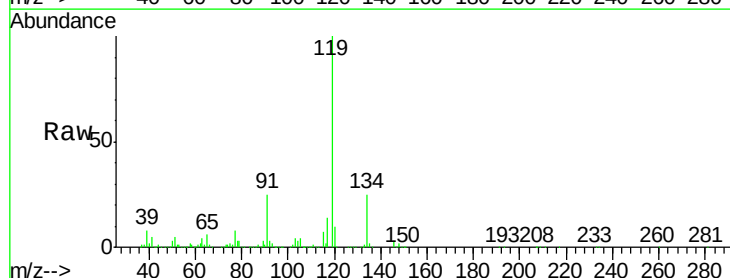
Tgt Ion:119 Resp: 347213

Ion Ratio Lower Upper

119 100

134 25.1 13.2 39.5

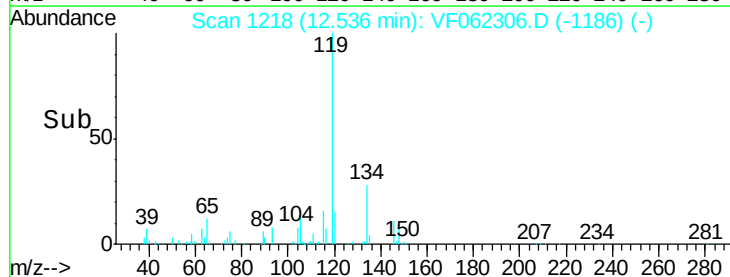
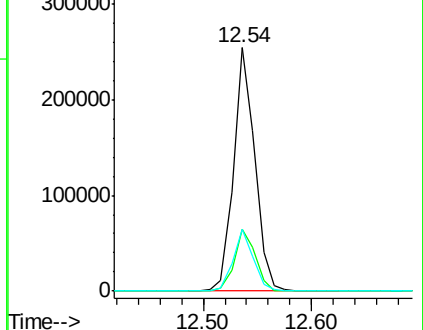
91 24.4 11.6 34.7

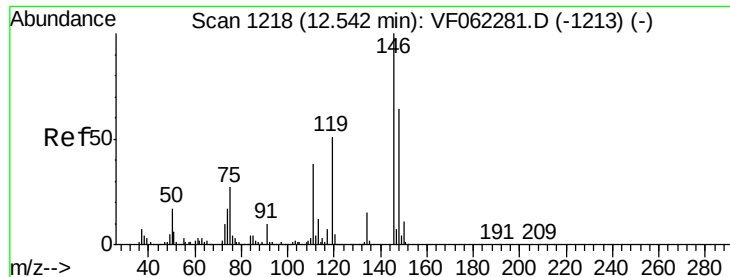


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





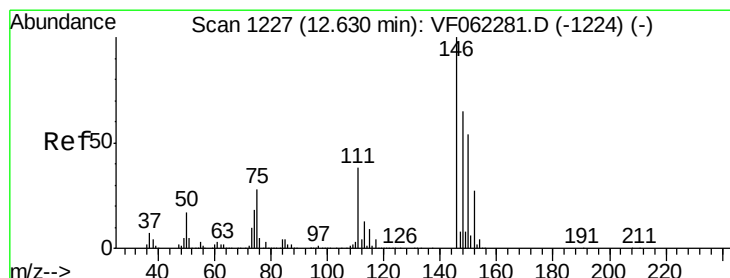
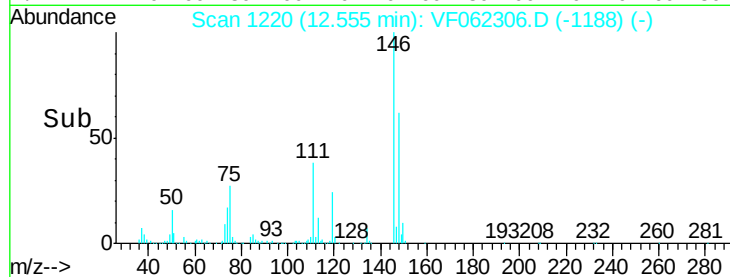
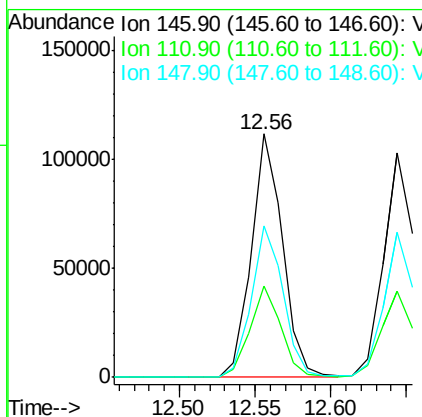
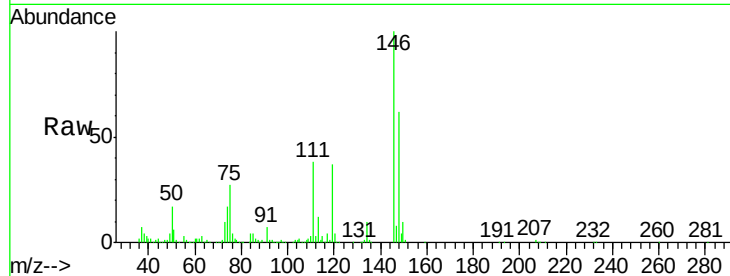
#87
 1,3-Dichlorobenzene
 Concen: 22.378 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	63.5	32.8	98.4

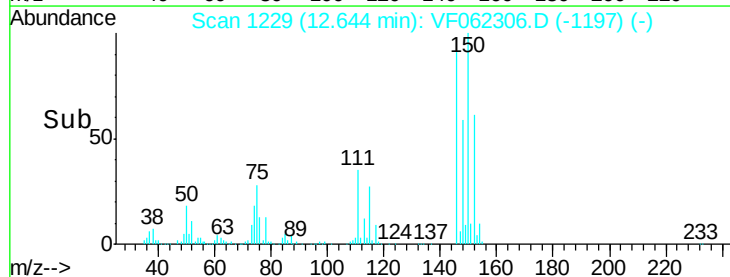
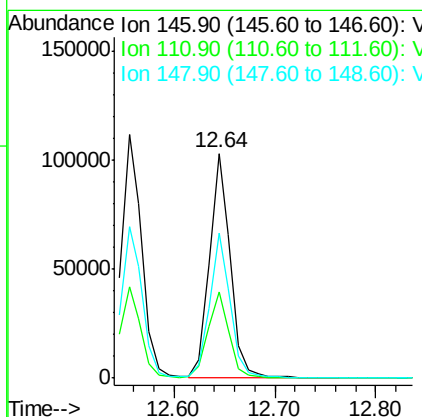
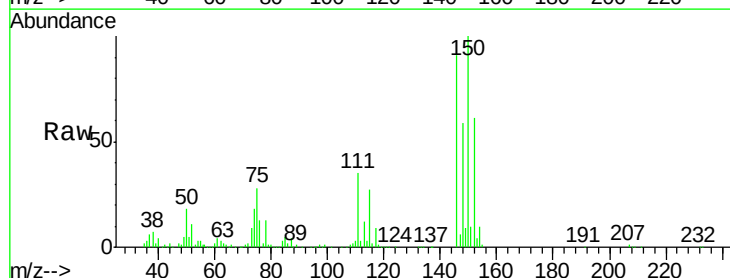
Manual Integrations
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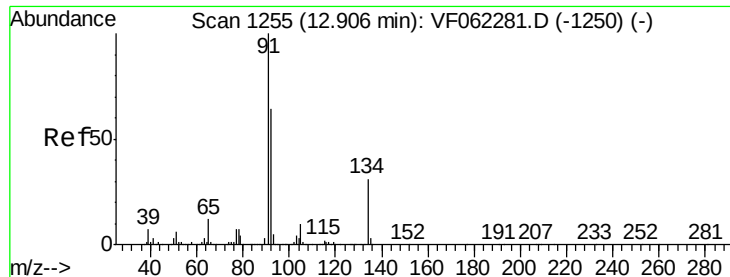
MMDadoda
 4/29/2019 3:59:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.778 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.6	56.0
148	64.7	32.5	97.5





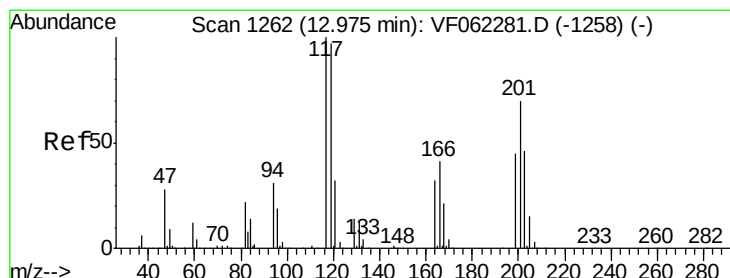
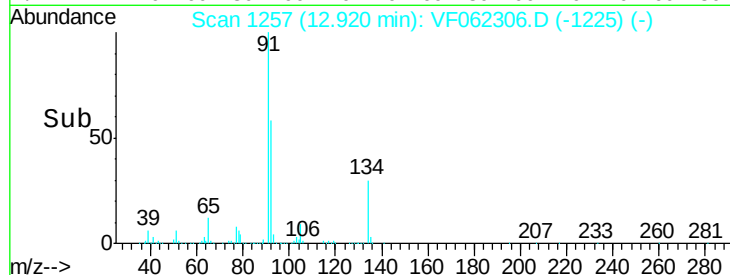
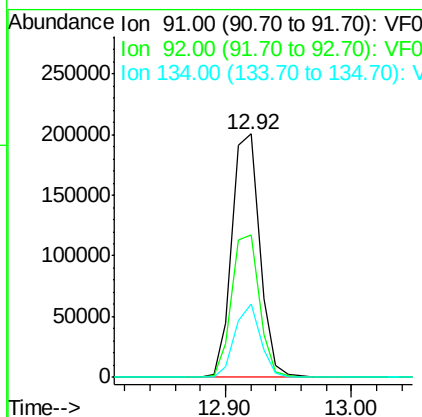
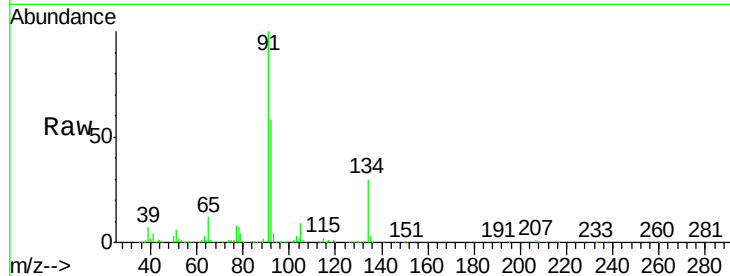
#89
n-Butylbenzene
Concen: 21.406 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	306490		
92	58.2		31.1	93.3
134	27.6		14.4	43.4

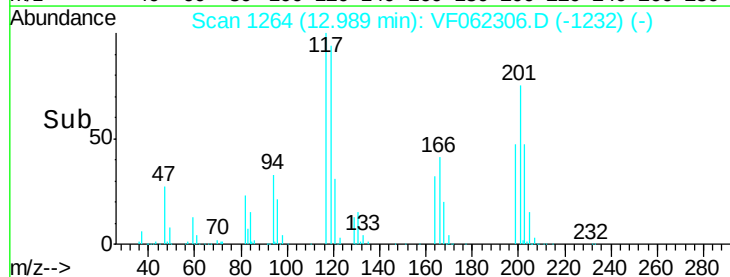
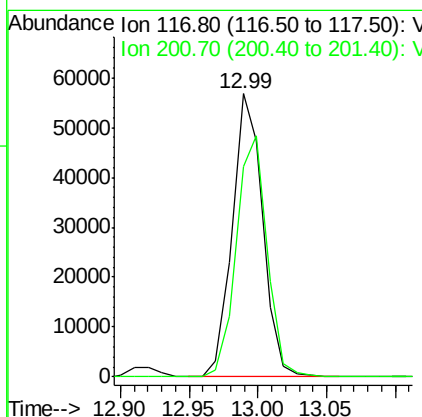
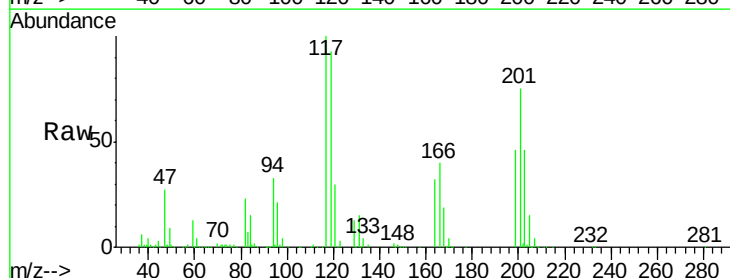
Manual Integrations
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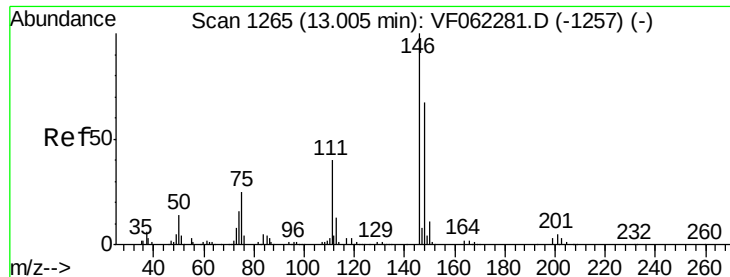
MMDadoda
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#90
Hexachloroethane
Concen: 22.060 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	87135		
201	86.3		42.9	128.5





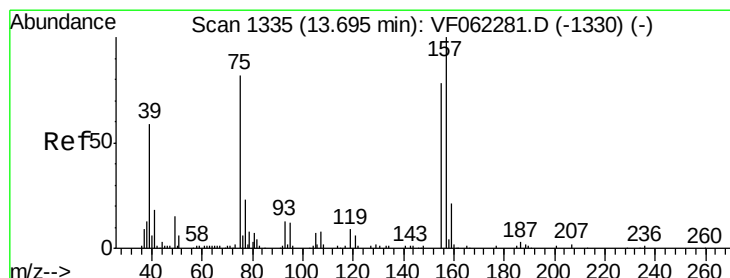
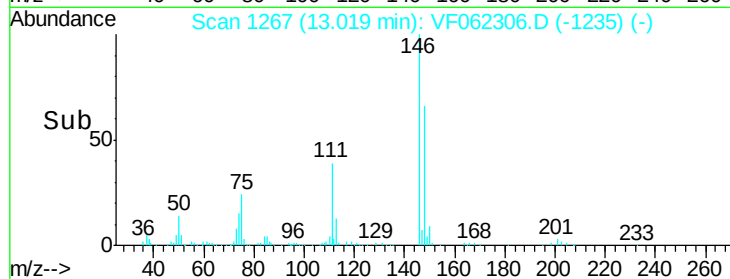
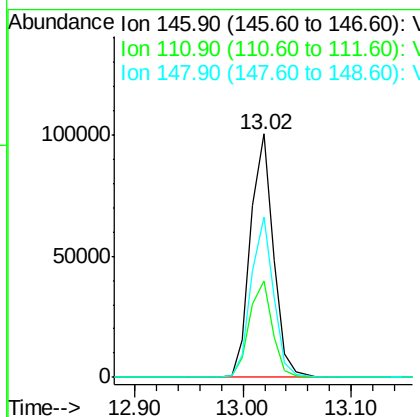
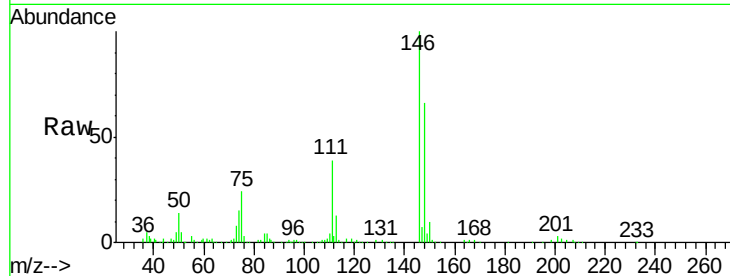
#91
 1,2-Dichlorobenzene
 Concen: 21.392 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	147918		
111	39.8	20.0	59.9	
148	64.7	33.1	99.5	

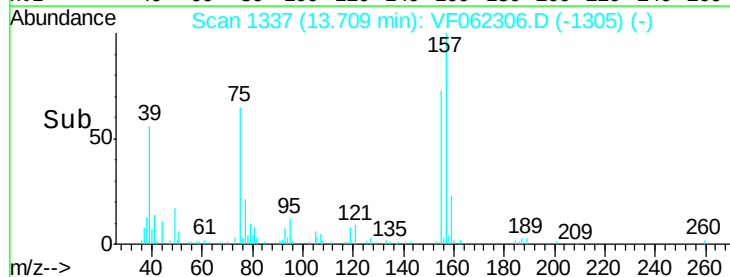
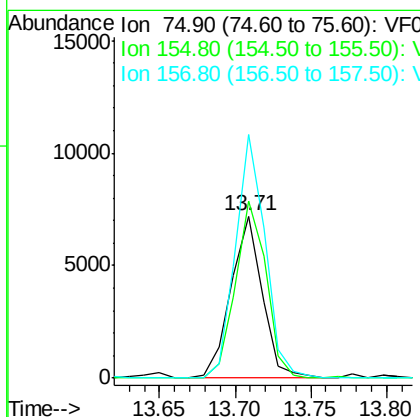
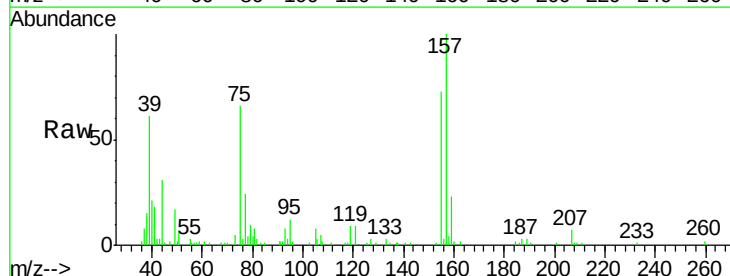
Manual Integrations
 APPROVED

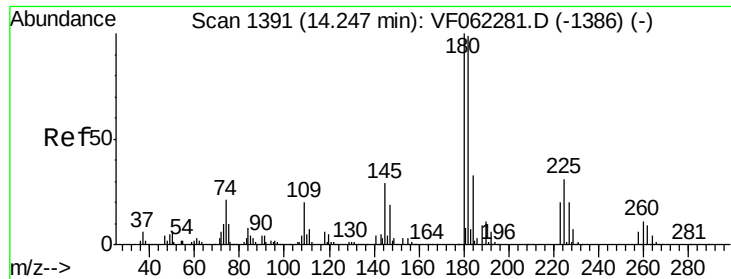
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 4/29/2019 3:59:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.886 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10381		
155	106.3	51.7	155.2	
157	141.4	64.5	193.5	





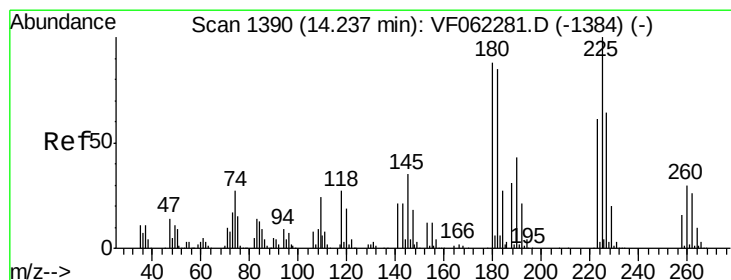
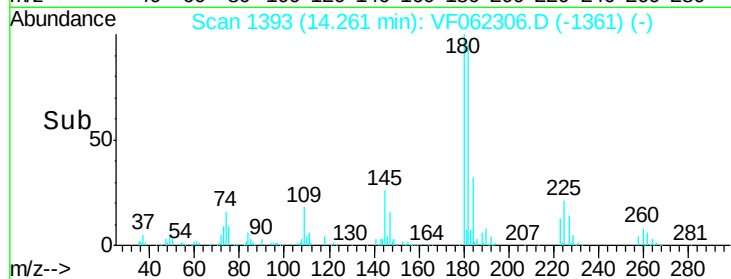
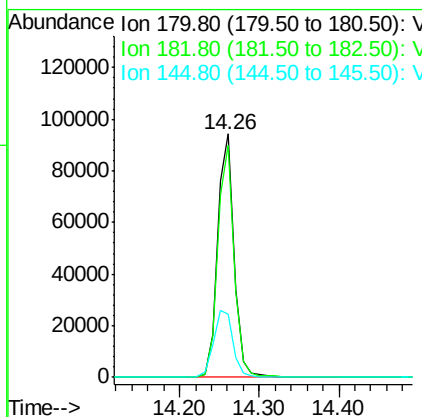
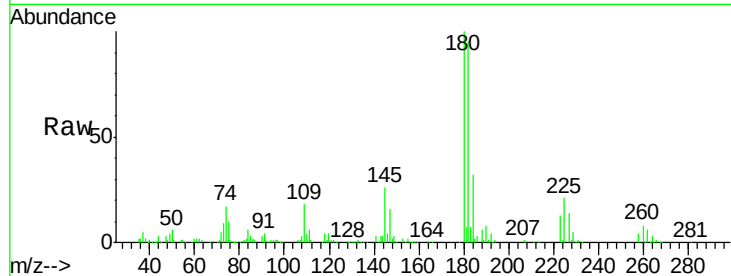
#93
 1,2,4-Trichlorobenzene
 Concen: 22.737 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	138123		
182	95.0	48.5	145.6	
145	32.4	16.7	50.1	

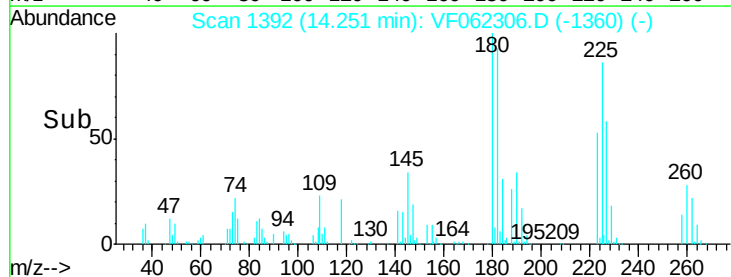
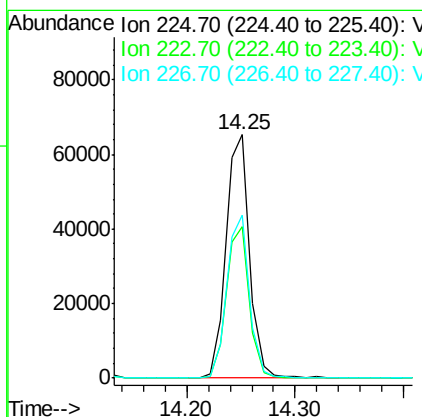
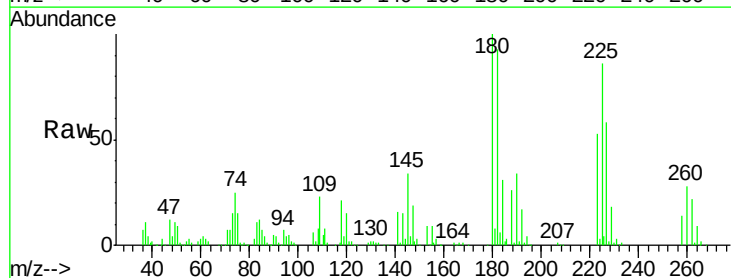
Manual Integrations
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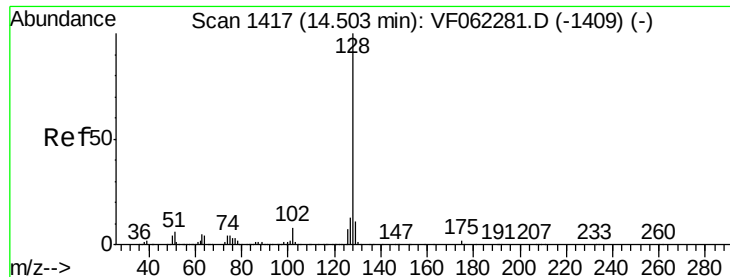
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 4/29/2019 3:59:43 PM



#94
 Hexachlorobutadiene
 Concen: 22.558 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF062306.D
 Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98549		
223	60.7	30.8	92.3	
227	64.8	31.9	95.5	





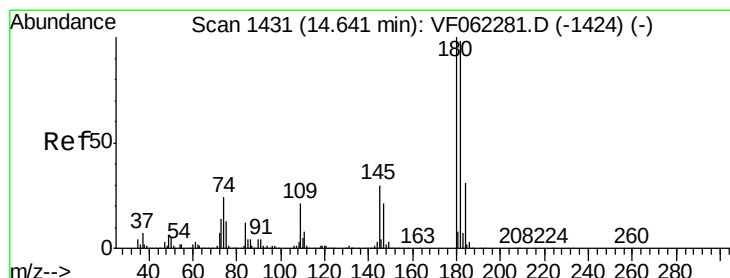
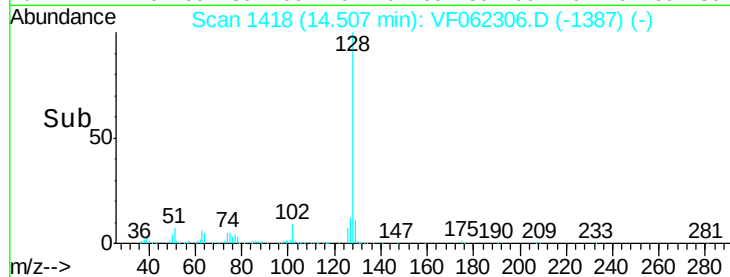
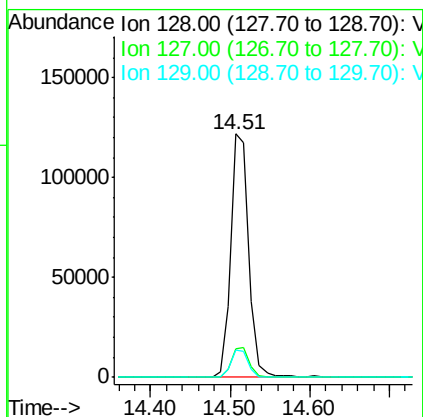
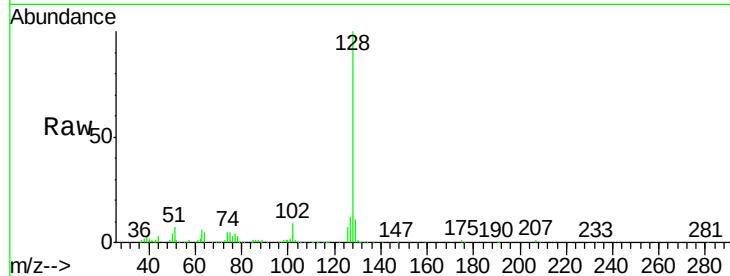
#95
Naphthalene
Concen: 20.729 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	195087		
127	12.4	10.2	15.4	
129	10.9	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
4/29/2019 3:59:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.730 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VF062306.D
Acq: 26 Apr 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	130590		
182	97.1	49.0	147.2	
145	28.7	14.5	43.5	

