

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021819\
 Data File : VF061673.D
 Acq On : 18 Feb 2019 12:39
 Operator : VA/AP
 Sample : VF0218SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 12:29:21 PM

Quant Time: Feb 19 02:44:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	351959	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	504233	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	442010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	254193	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	133424	51.70	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.40%	
35) Dibromofluoromethane	4.12	113	191863	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
50) Toluene-d8	7.56	98	562782	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.41	95	228107	52.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	90650	22.428	ug/l	97
3) Chloromethane	1.09	50	88643	20.902	ug/l	94
4) Vinyl Chloride	1.14	62	83829	21.264	ug/l	92
5) Bromomethane	1.32	94	50528	18.622	ug/l	98
6) Chloroethane	1.40	64	36193	18.629	ug/l	95
7) Trichlorofluoromethane	1.49	101	97171m	20.435	ug/l	
8) Diethyl Ether	1.63	74	24326	20.300	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.84	101	67323	19.626	ug/l	99
10) Methyl Iodide	1.93	142	127116m	19.399	ug/l	
11) Tert butyl alcohol	2.58	59	14804	99.110	ug/l #	89
12) 1,1-Dichloroethene	1.80	96	61088	20.255	ug/l #	85
13) Acrolein	2.00	56	15741	83.848	ug/l	100
14) Allyl chloride	2.10	41	64890	17.534	ug/l	99
15) Acrylonitrile	2.94	53	48163	90.904	ug/l	98
16) Acetone	2.23	43	52301	94.447	ug/l #	87
17) Carbon Disulfide	1.84	76	188813m	19.917	ug/l	
18) Methyl Acetate	2.35	43	23134	18.544	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	107415	20.840	ug/l	99
20) Methylene Chloride	2.27	84	65043m	20.429	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	54929	16.754	ug/l	97
22) Diisopropyl ether	2.81	45	179668	20.224	ug/l	97
23) Vinyl Acetate	3.19	43	430006	99.101	ug/l	98
24) 1,1-Dichloroethane	2.88	63	105709	19.663	ug/l	100
25) 2-Butanone	4.34	43	125472	103.731	ug/l	98
26) 2,2-Dichloropropane	3.61	77	48936	21.489	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	86327	20.060	ug/l	99
28) Bromochloromethane	3.72	49	50035	19.397	ug/l	96
29) Tetrahydrofuran	4.09	42	52160	94.877	ug/l	100
30) Chloroform	3.86	83	120884	19.772	ug/l	96
31) Cyclohexane	3.69	56	70978	12.196	ug/l	99
32) 1,1,1-Trichloroethane	4.10	97	68678	17.148	ug/l	95
36) 1,1-Dichloropropene	4.29	75	104249	20.870	ug/l	97
37) Ethyl Acetate	4.12	43	45031	19.409	ug/l	92
38) Carbon Tetrachloride	4.00	117	70828	20.535	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	126361	21.390	ug/l	96
40) Benzene	4.64	78	269154	20.601	ug/l	97
41) Methacrylonitrile	4.76	41	26882	22.657	ug/l	96
42) 1,2-Dichloroethane	4.95	62	64175	20.534	ug/l	95
43) Isopropyl Acetate	6.97	43	53878	19.619	ug/l #	99
44) Trichloroethene	5.51	130	90369	21.389	ug/l	99
45) 1,2-Dichloropropane	6.24	63	70120	22.203	ug/l	98
46) Dibromomethane	6.09	93	41066	21.119	ug/l #	79
47) Bromodichloromethane	6.40	83	92245	21.663	ug/l	98
48) Methyl methacrylate	6.73	41	29302	17.730	ug/l	92
49) 1,4-Dioxane	6.73	88	7650	492.410	ug/l #	73
51) 4-Methyl-2-Pentanone	8.27	43	190036	96.845	ug/l	98
52) Toluene	7.63	92	166919	21.065	ug/l	94
53) t-1,3-Dichloropropene	8.29	75	77439	21.851	ug/l	94
54) cis-1,3-Dichloropropene	7.31	75	101441	21.489	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	46319	19.895	ug/l	98
56) Ethyl methacrylate	8.62	69	53529	20.651	ug/l	96
57) 1,3-Dichloropropane	8.86	76	77816	20.025	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	42517	95.070	ug/l	99
59) 2-Hexanone	9.50	43	138056	100.368	ug/l	98
60) Dibromochloromethane	8.72	129	65649	20.259	ug/l	91
61) 1,2-Dibromoethane	9.00	107	51886	20.548	ug/l	100
64) Tetrachloroethene	8.16	164	75076	20.780	ug/l	97
65) Chlorobenzene	9.81	112	187067	20.856	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	74210	21.114	ug/l	98
67) Ethyl Benzene	9.91	91	311420	20.878	ug/l	99
68) m/p-Xylenes	10.14	106	246213	43.131	ug/l	95
69) o-Xylene	10.72	106	130683	21.454	ug/l	98
70) Styrene	10.79	104	179230	20.799	ug/l	99
71) Bromoform	10.77	173	37339	19.564	ug/l #	99
73) Isopropylbenzene	11.13	105	387482	21.410	ug/l	99
74) N-amyl acetate	11.38	43	89720	20.654	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	64676	19.947	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	41429	18.794	ug/l	99
77) Bromobenzene	11.50	156	88895	19.882	ug/l	96
78) n-propylbenzene	11.60	91	440507	21.211	ug/l	98
79) 2-Chlorotoluene	11.73	91	234570	20.167	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	314475	21.741	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	21111m	19.976	ug/l	
82) 4-Chlorotoluene	11.91	91	250162	20.722	ug/l	97
83) tert-Butylbenzene	12.13	119	345709	21.578	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	286221	19.917	ug/l	100
85) sec-Butylbenzene	12.31	105	443448	21.404	ug/l	99
86) p-Isopropyltoluene	12.46	119	381247	21.927	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	176727	20.275	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	176152	21.014	ug/l	98
89) n-Butylbenzene	12.84	91	358460	21.833	ug/l	98
90) Hexachloroethane	12.92	117	84133	20.805	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	171246	20.655	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9826	19.114	ug/l	95

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ClientSampleId :
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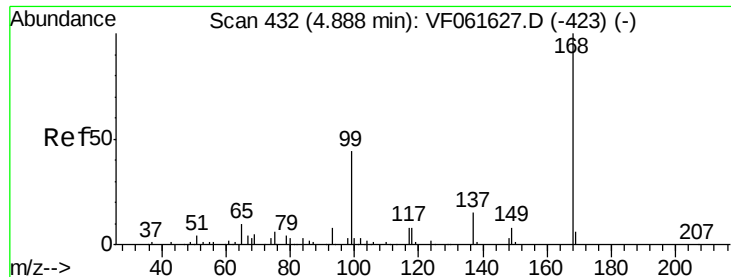
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	123139	20.722	ug/l	99
94) Hexachlorobutadiene	14.20	225	80161	21.842	ug/l	99
95) Naphthalene	14.46	128	206972	19.907	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	111135	20.376	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBS01

Tot Ion:168 Resp: 351959

Ion Ratio Lower Upper

168 100

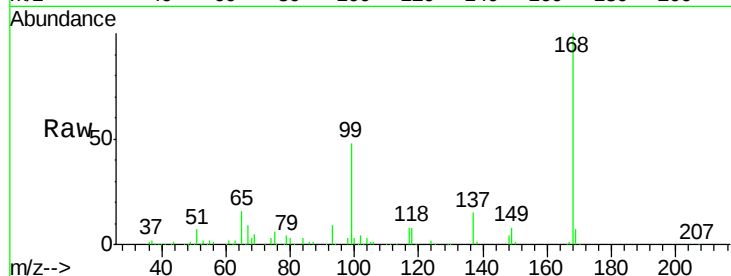
99 47.6 34.9 52.3

Manual Integrations

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2/19/2019 12:29:21 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

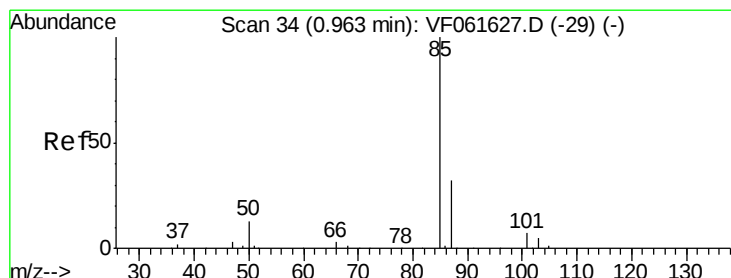
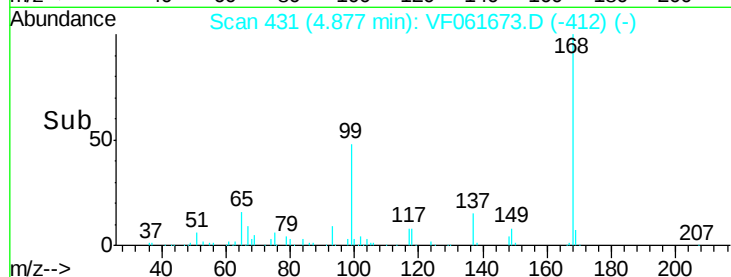
4.88

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.428 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061673.D

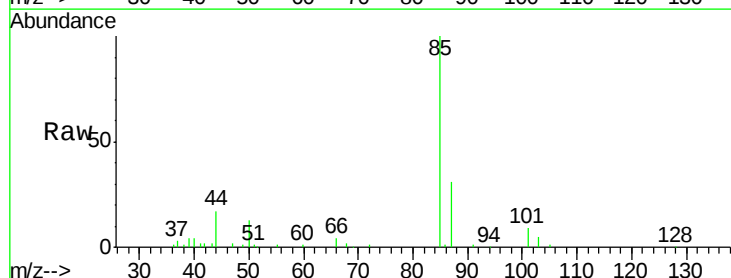
Acq: 18 Feb 2019 12:39

Tgt Ion: 85 Resp: 90650

Ion Ratio Lower Upper

85 100

87 30.7 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

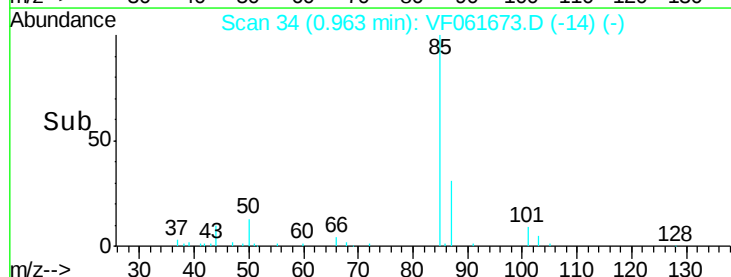
15000

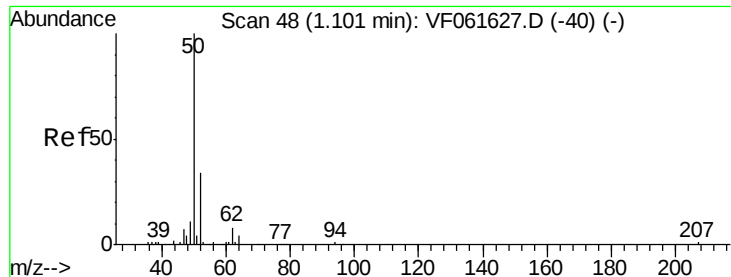
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.902 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBS01

Tot Ion: 50 Resp: 88643

Ion Ratio Lower Upper

50 100

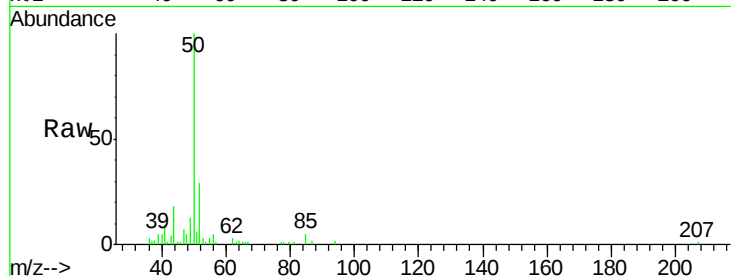
52 29.4 26.2 39.4

Manual Integrations

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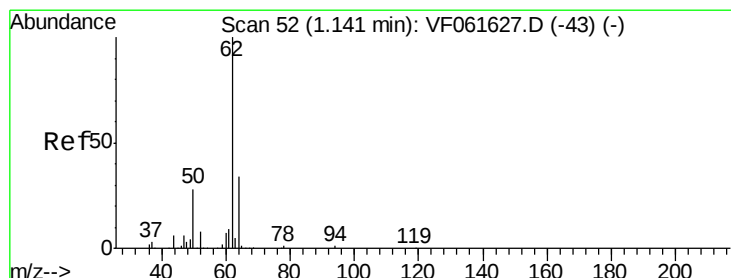
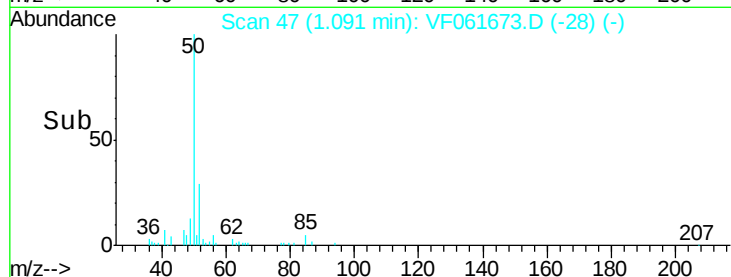
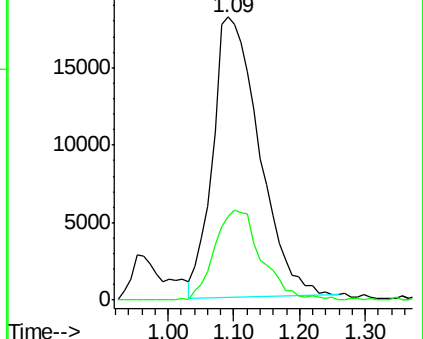
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.264 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061673.D

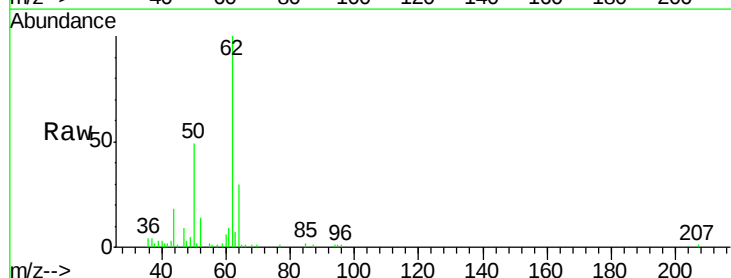
Acq: 18 Feb 2019 12:39

Tgt Ion: 62 Resp: 83829

Ion Ratio Lower Upper

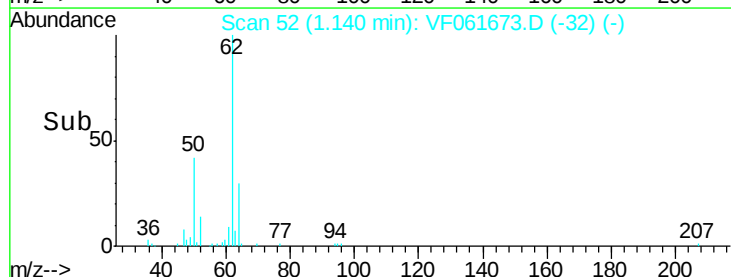
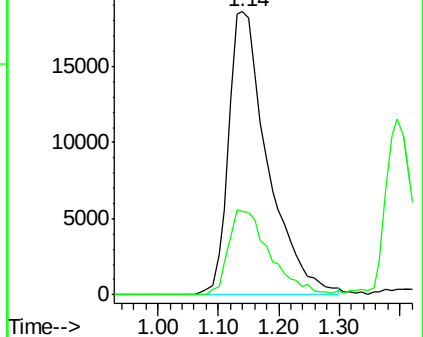
62 100

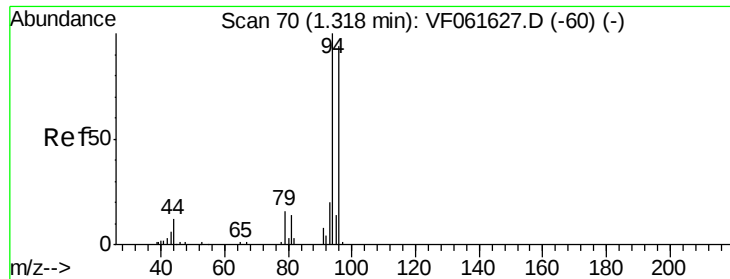
64 29.6 27.5 41.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 18.622 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBS01

Tot Ion: 94 Resp: 50528

Ion Ratio Lower Upper

94 100

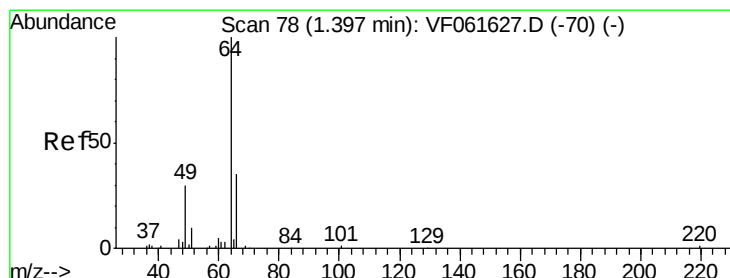
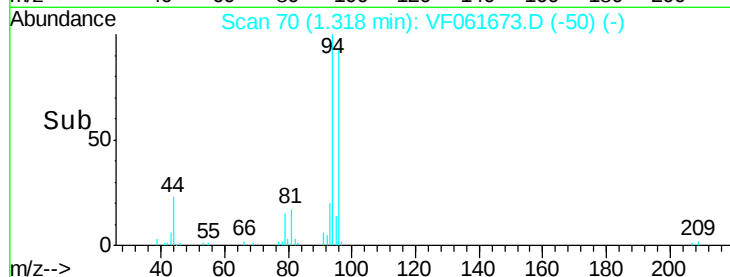
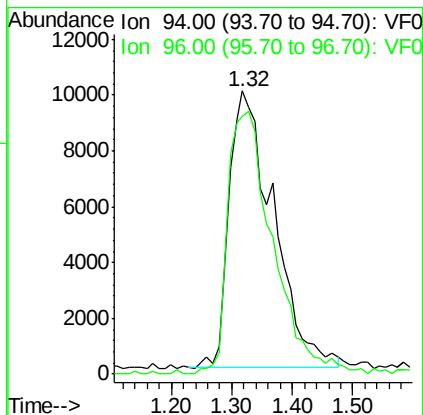
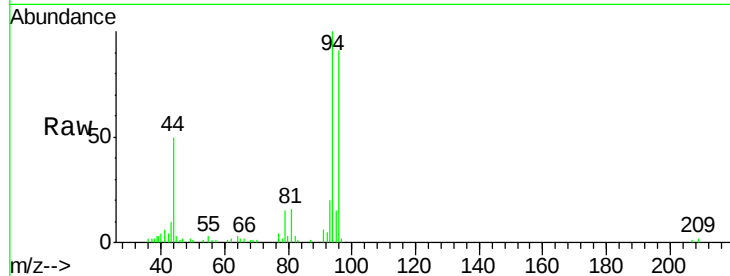
96 91.3 74.6 112.0

Manual Integrations

APPROVED

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2/19/2019 12:29:21 PM



#6

Chloroethane

Concen: 18.629 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF061673.D

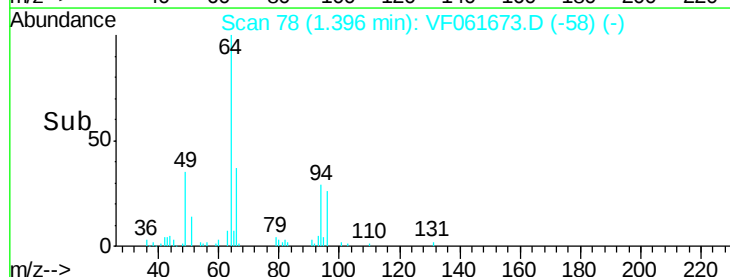
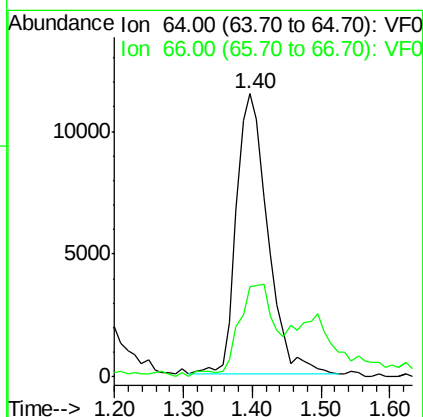
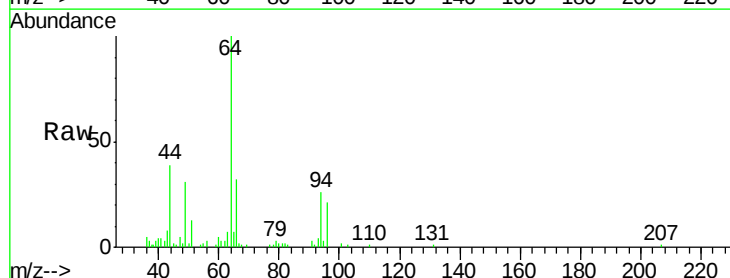
Acq: 18 Feb 2019 12:39

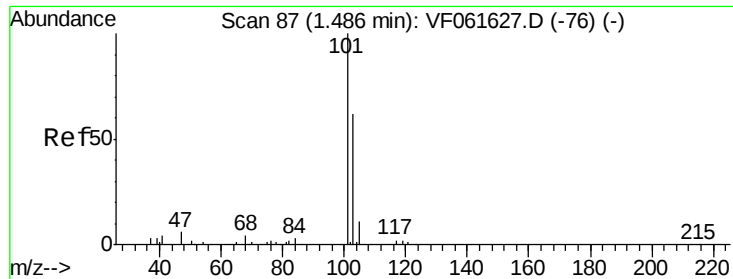
Tgt Ion: 64 Resp: 36193

Ion Ratio Lower Upper

64 100

66 31.7 27.9 41.9





#7

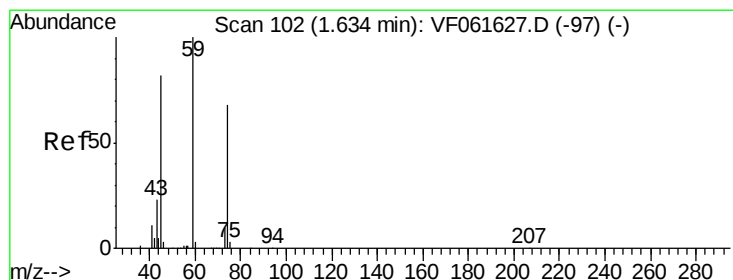
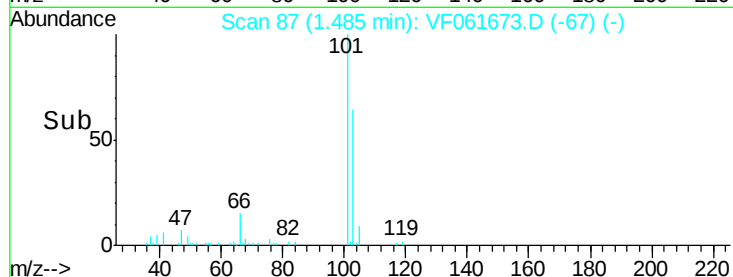
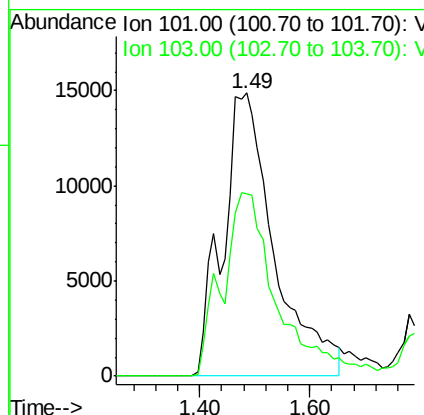
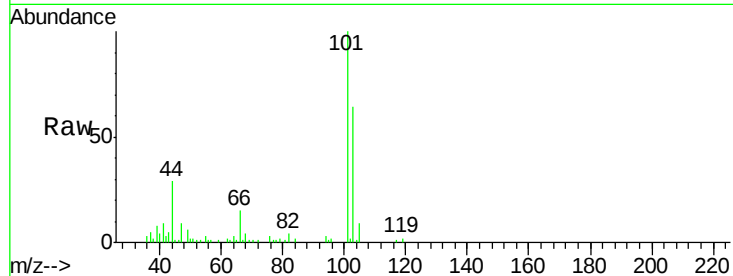
Trichlorofluoromethane
Concen: 20.435 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

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ClientSampleId :
VF0218SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	49.3	73.9

Manual Integrations
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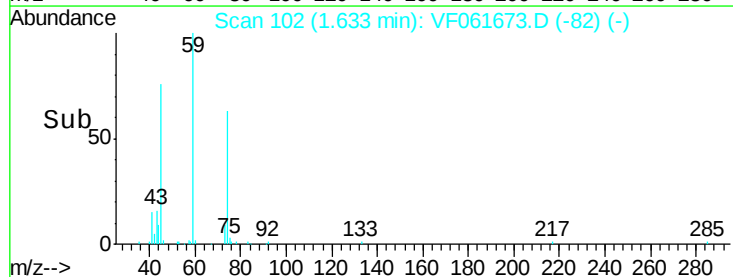
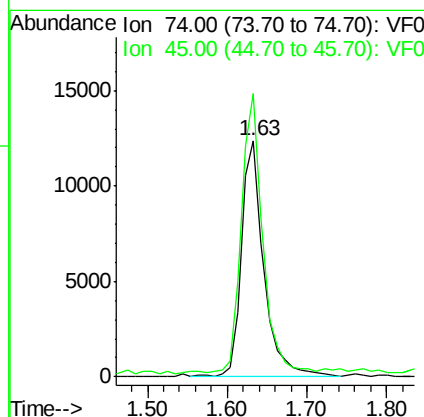
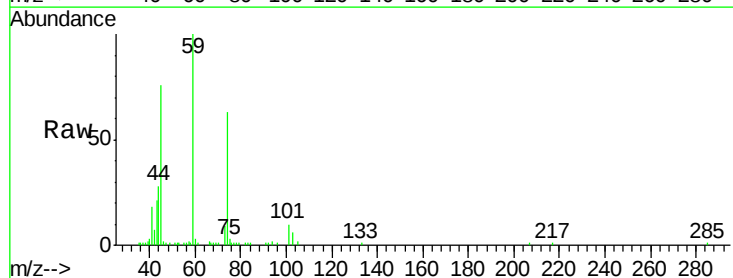
MMDadoda
2/19/2019 12:29:21 PM

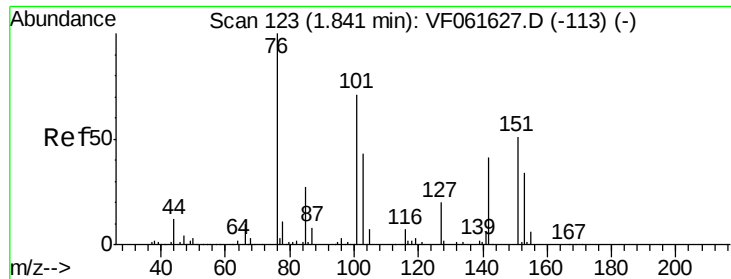


#8

Diethyl Ether
Concen: 20.300 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.7	60.8	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.626 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

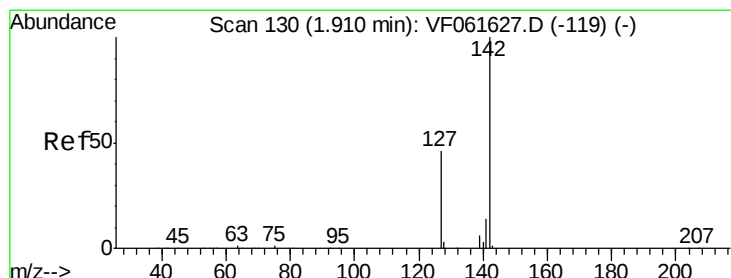
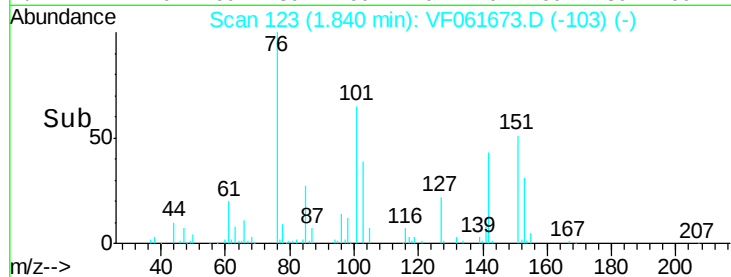
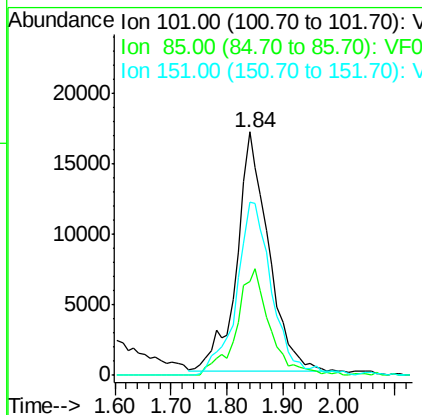
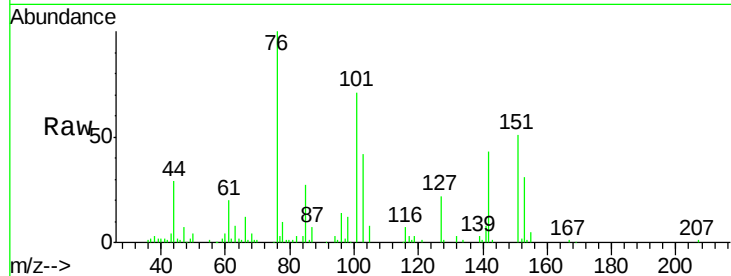
ClientSampleId :

VF0218SBS01

Tot Ion:	101	Resp:	67323
Ion Ratio	Lower	Upper	
101	100		
85	38.4	29.8	44.6
151	70.9	56.3	84.5

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#10

Methyl Iodide

Concen: 19.399 ug/l m

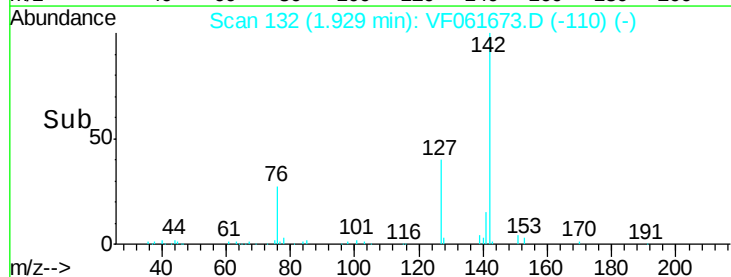
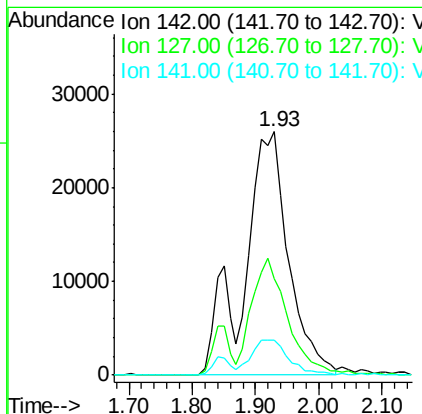
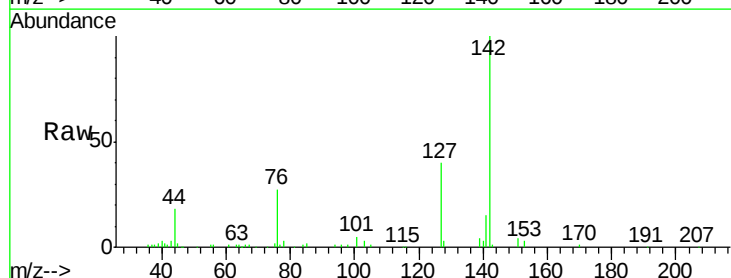
RT: 1.93 min Scan# 132

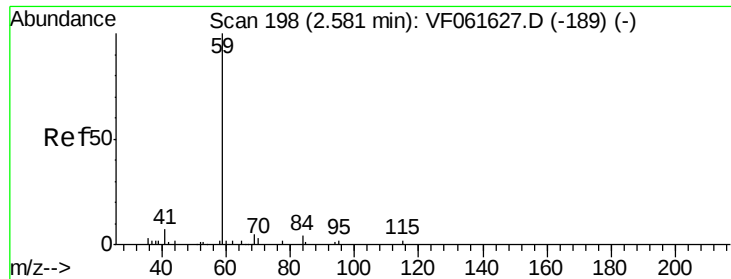
Delta R.T. 0.02 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Tgt Ion:	142	Resp:	127116
Ion Ratio	Lower	Upper	
142	100		
127	39.7	36.6	55.0
141	14.6	11.0	16.6





#11

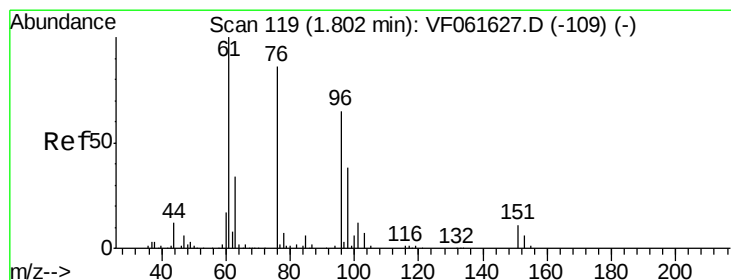
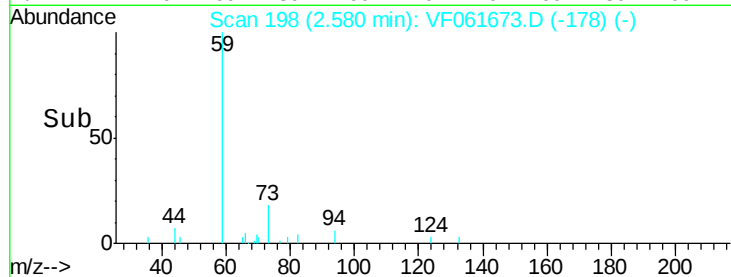
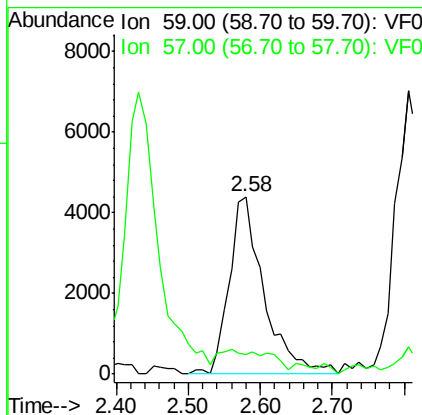
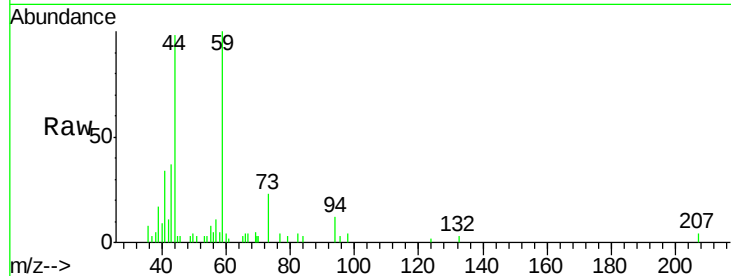
Tert butyl alcohol
Concen: 99.110 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBS01

Tot Ion	59	Resp	14804
Ion Ratio	100	Lower	Upper
57	10.8	12.5	18.7#

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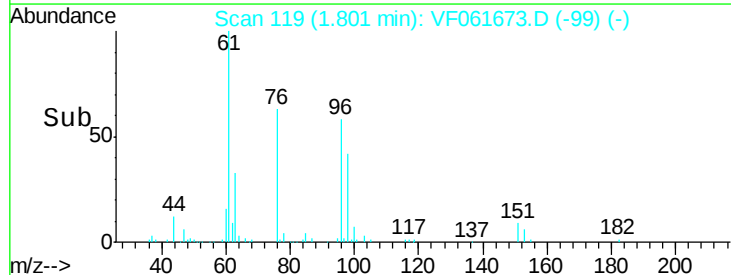
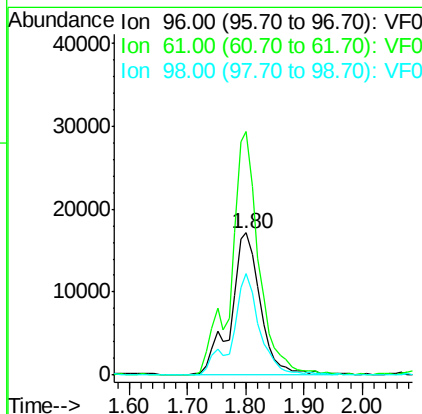
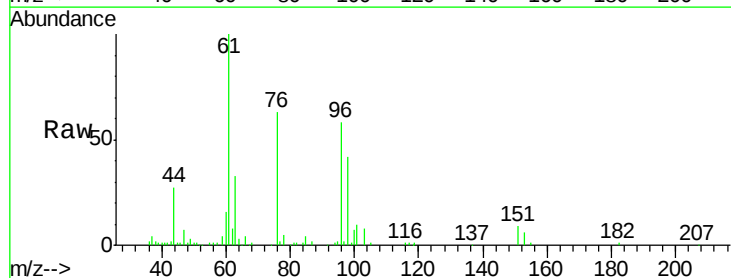
MMDadoda
2/19/2019 12:29:21 PM

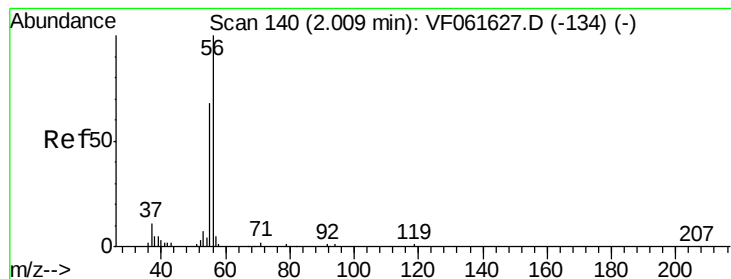


#12

1,1-Dichloroethene
Concen: 20.255 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion	96	Resp	61088
Ion Ratio	100	Lower	Upper
61	171.2	122.6	184.0
98	71.1	47.2	70.8#





#13

Acrolein

Concen: 83.848 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBS01

Tot Ion: 56 Resp: 15741

Ion Ratio Lower Upper

56 100

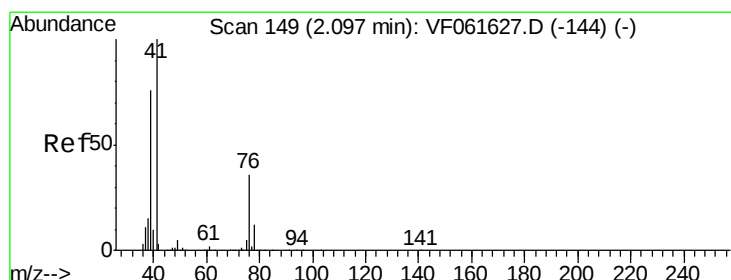
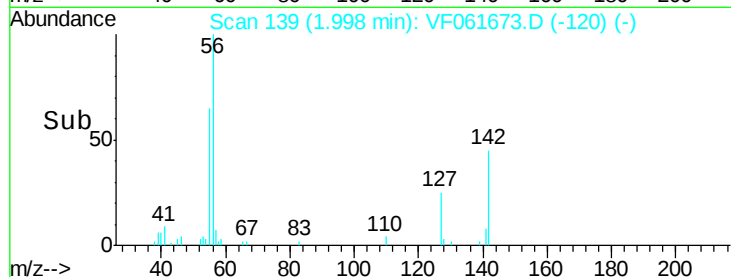
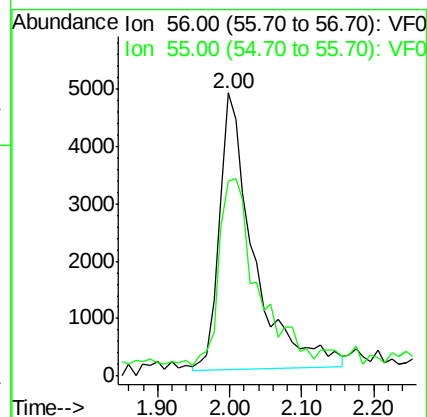
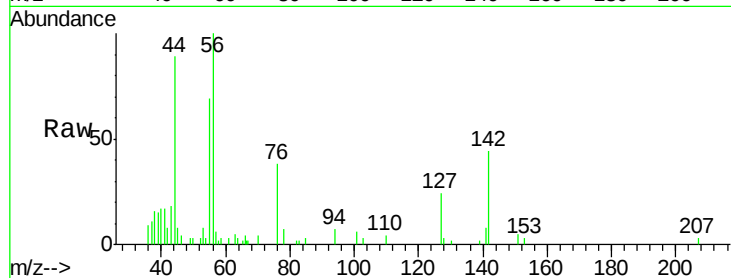
55 68.8 55.0 82.6

Manual Integrations

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#14

Allyl chloride

Concen: 17.534 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

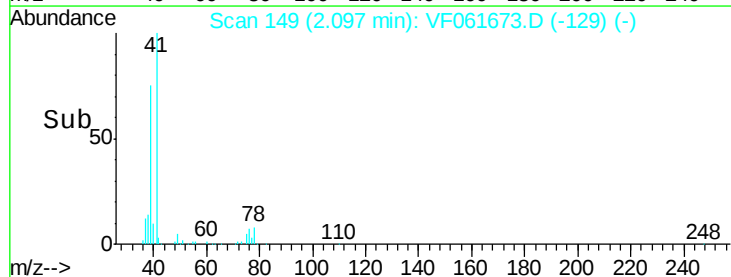
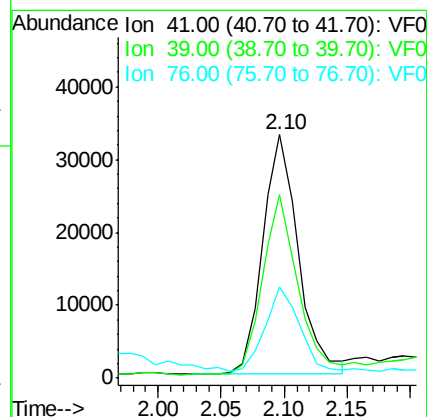
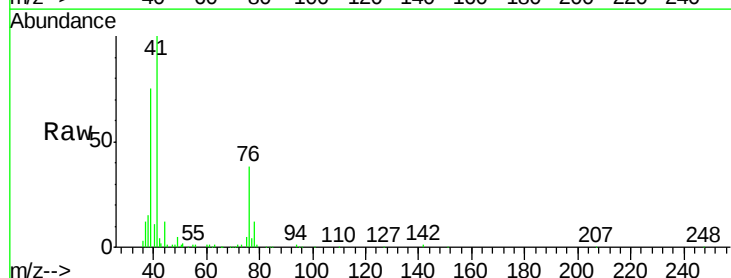
Tgt Ion: 41 Resp: 64890

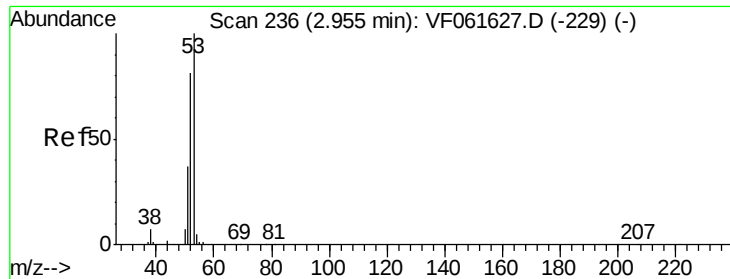
Ion Ratio Lower Upper

41 100

39 75.4 61.6 92.4

76 37.7 30.3 45.5





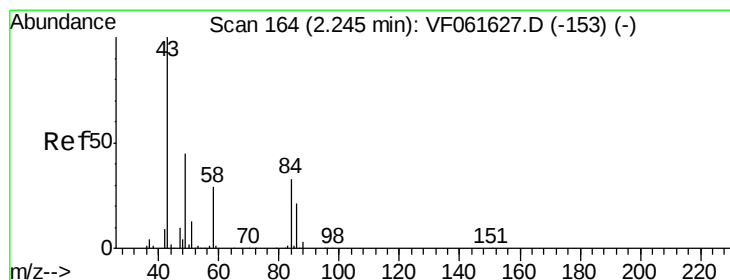
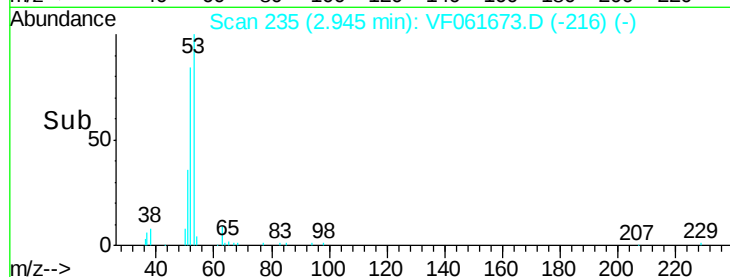
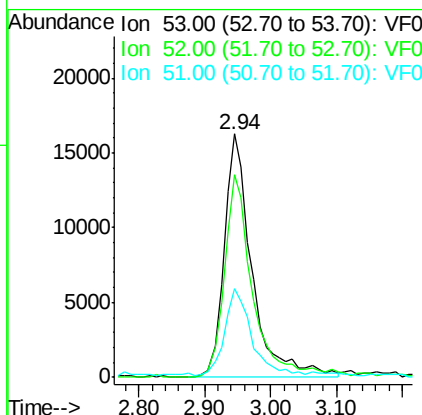
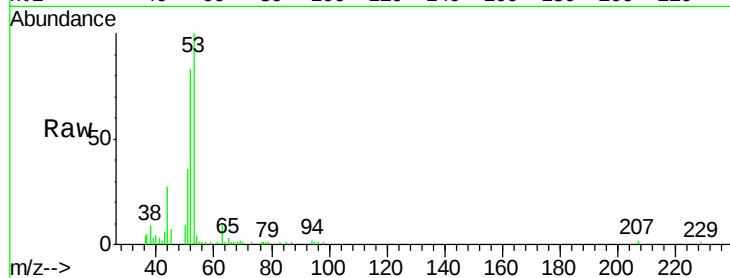
#15
 Acrylonitrile
 Concen: 90.904 ug/l
 RT: 2.94 min Scan# 235
 Delta R.T. -0.01 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0218SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.0	64.6	97.0
51	36.2	29.8	44.8

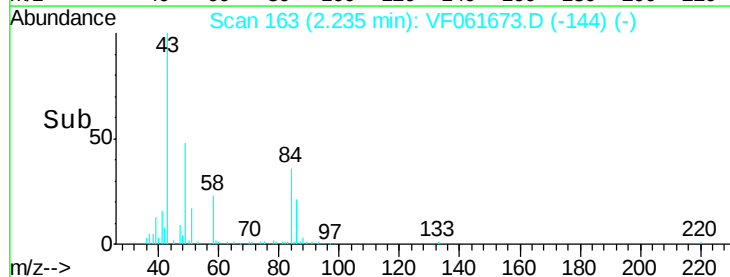
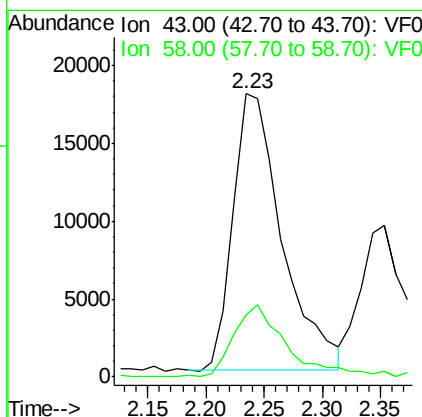
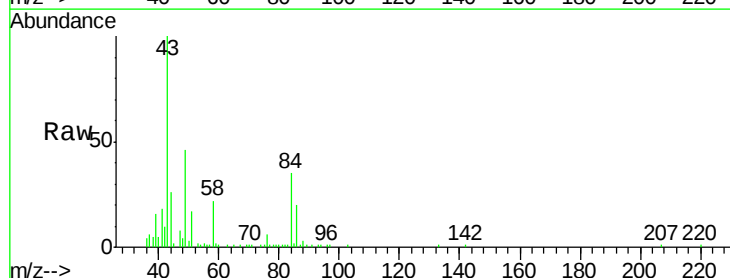
Manual Integrations
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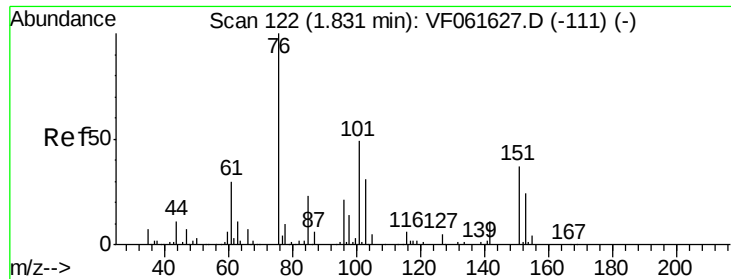
MMDadoda
 2/19/2019 12:29:21 PM



#16
 Acetone
 Concen: 94.447 ug/l
 RT: 2.23 min Scan# 163
 Delta R.T. -0.01 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	22.0	22.9	34.3#





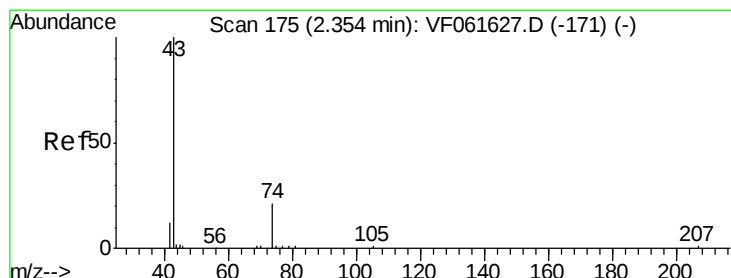
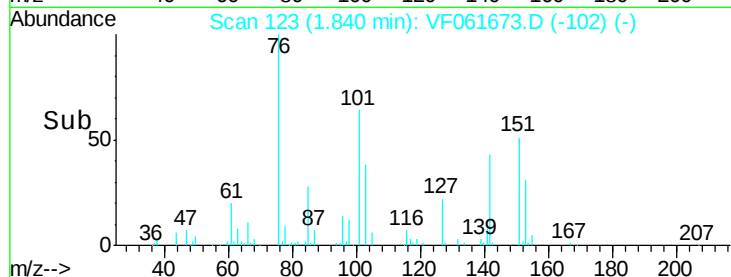
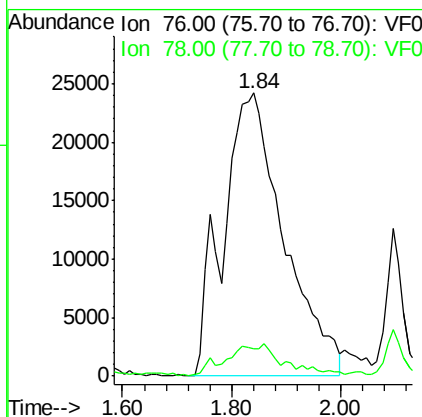
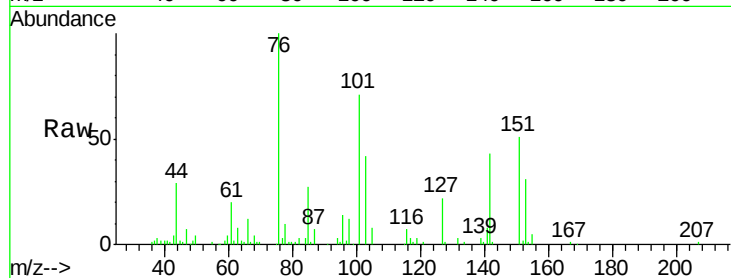
#17
Carbon Disulfide
Concen: 19.917 ug/l m
RT: 1.84 min Scan# 123
Delta R.T. 0.01 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.9	11.9

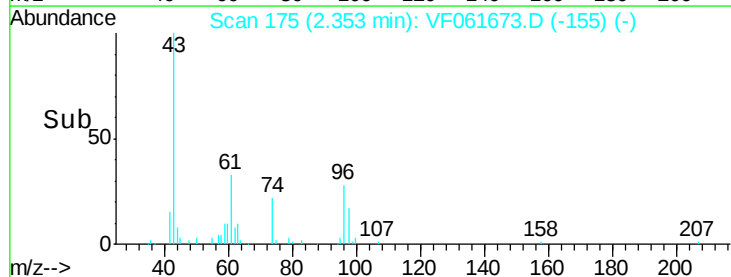
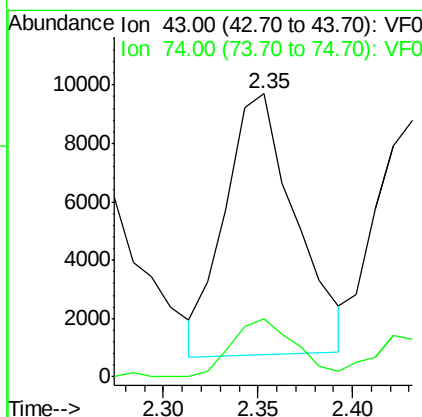
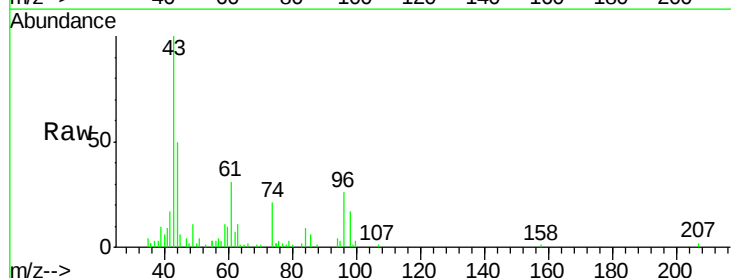
Manual Integrations
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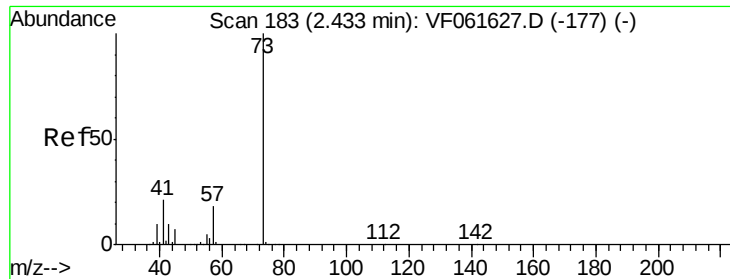
MMDadoda
2/19/2019 12:29:21 PM



#18
Methyl Acetate
Concen: 18.544 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	14.6	21.8





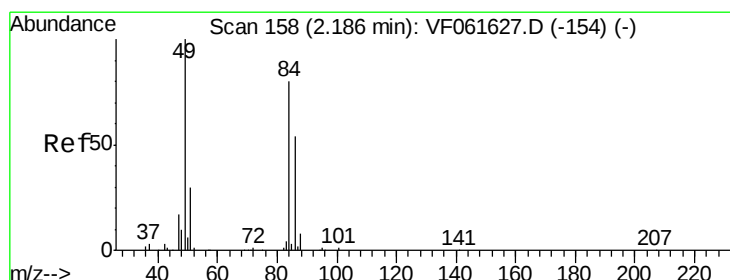
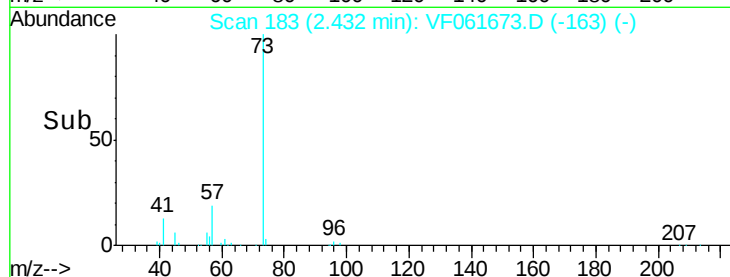
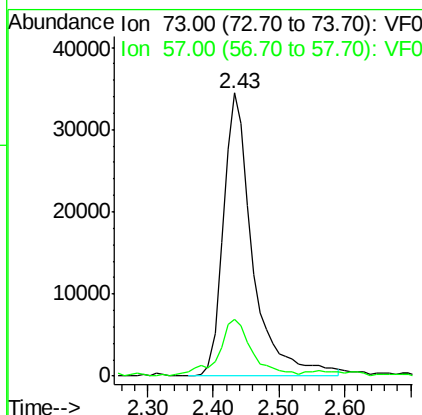
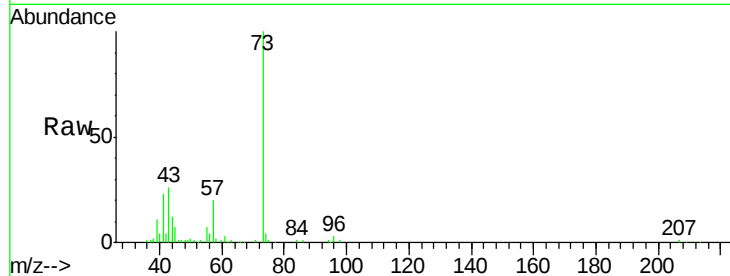
#19
Methvl tert-butvl Ether
Concen: 20.840 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	15.8	23.8

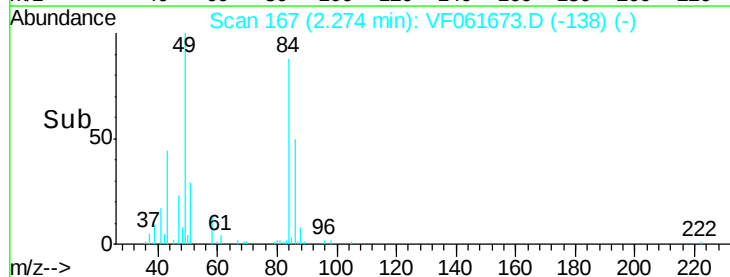
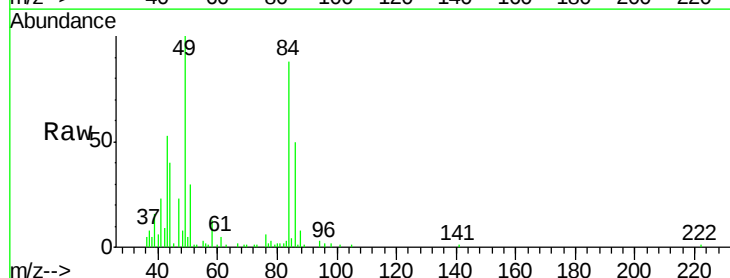
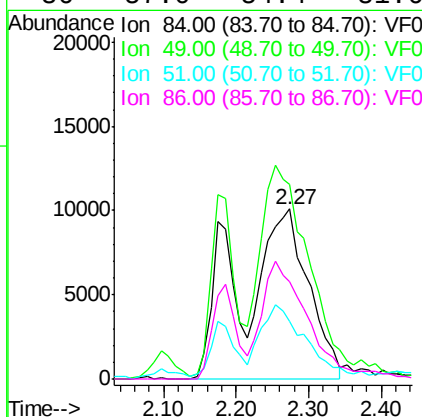
Manual Integrations
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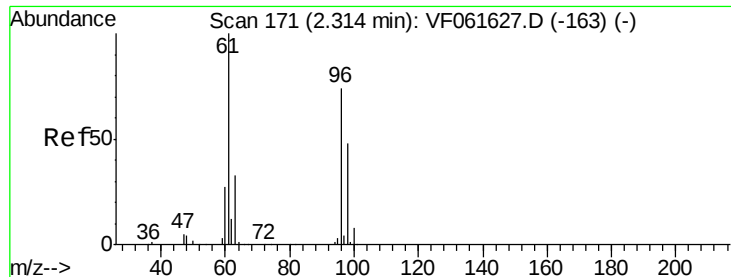
MMDadoda
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#20
Methylene Chloride
Concen: 20.429 ug/l m
RT: 2.27 min Scan# 167
Delta R.T. 0.09 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.1	101.8	152.8
51	34.1	31.1	46.7
86	57.0	54.4	81.6





#21

trans-1,2-Dichloroethene

Concen: 16.754 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

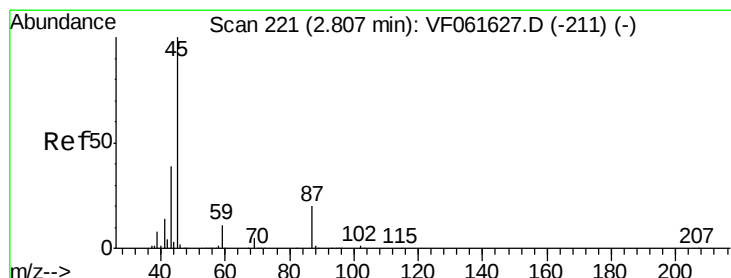
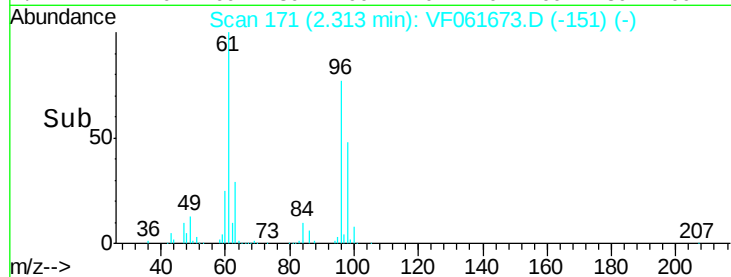
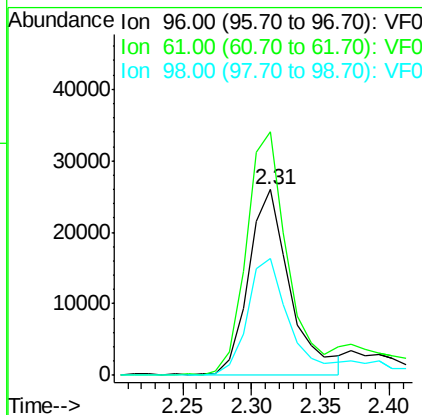
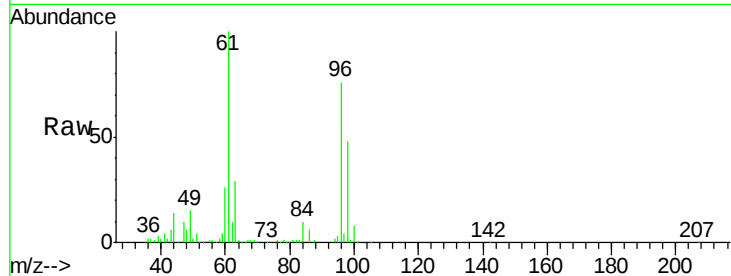
ClientSampleId :

VF0218SBS01

Tot Ion:	96	Resp:	54929
Ion	Ratio	Lower	Upper
96	100		
61	131.3	108.2	162.4
98	62.8	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.224 ug/l

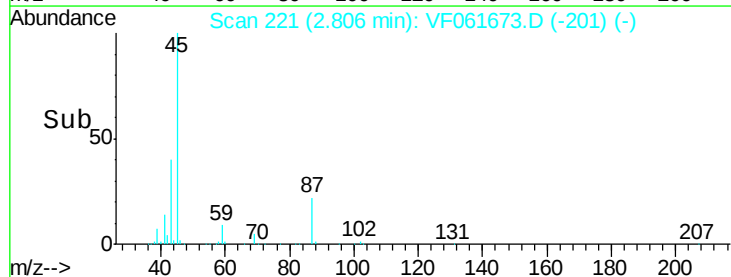
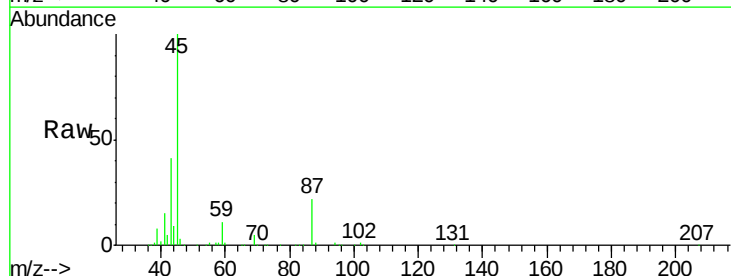
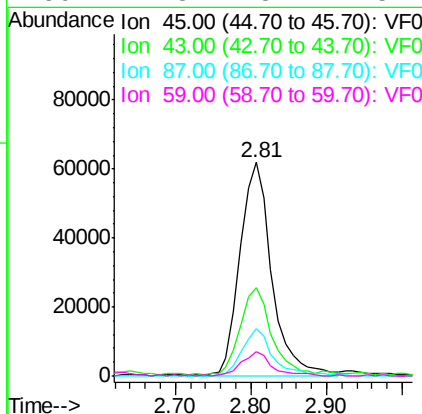
RT: 2.81 min Scan# 221

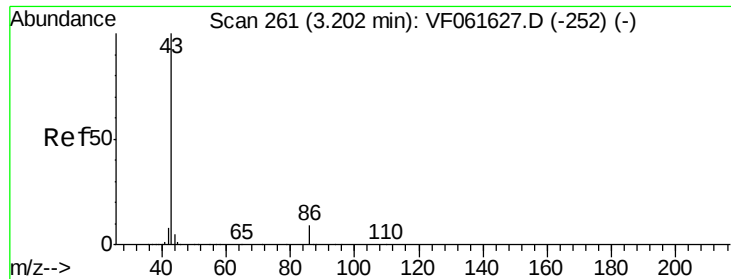
Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Tgt Ion:	45	Resp:	179668
Ion	Ratio	Lower	Upper
45	100		
43	41.4	31.4	47.2
87	21.9	16.3	24.5
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 99.101 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBS01

Tot Ion: 43 Resp: 430006

Ion Ratio Lower Upper

43 100

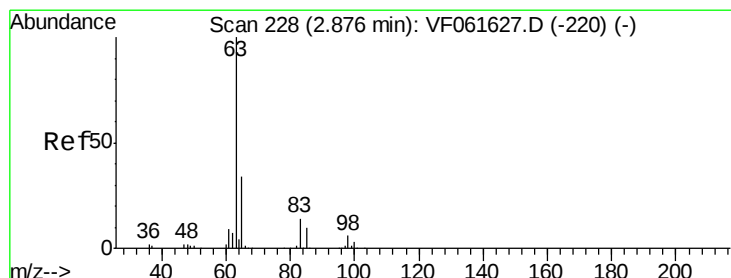
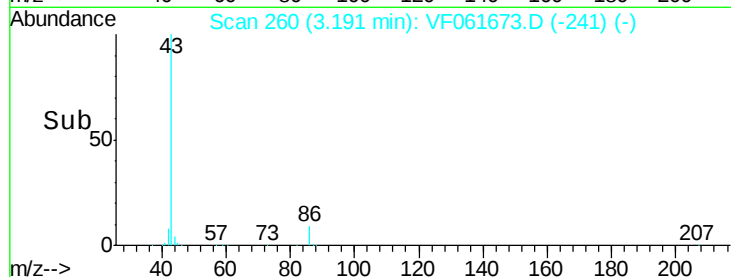
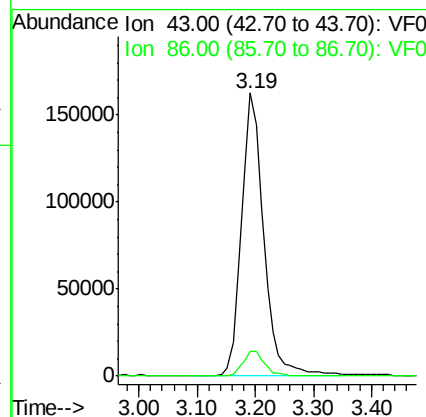
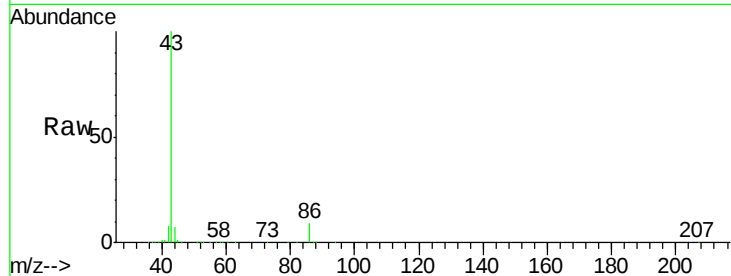
86 8.7 7.5 11.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.663 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

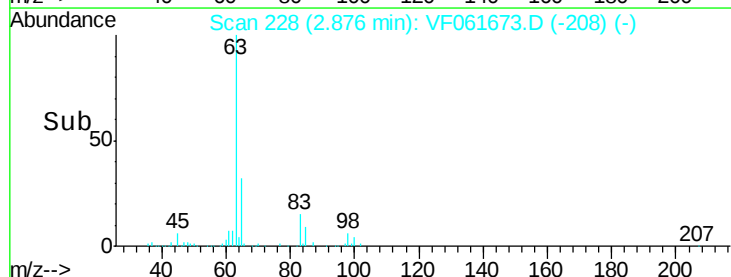
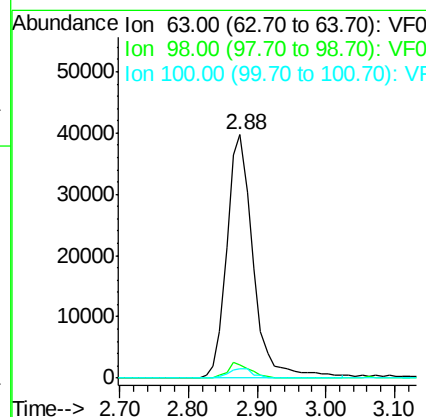
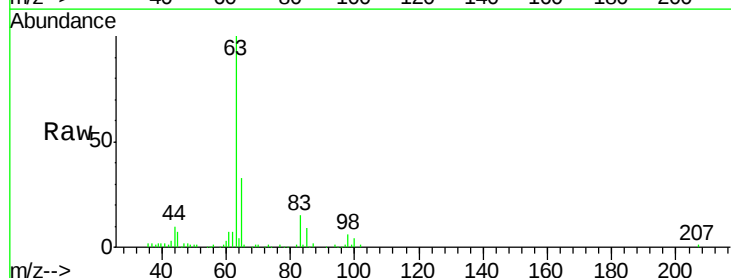
Tgt Ion: 63 Resp: 105709

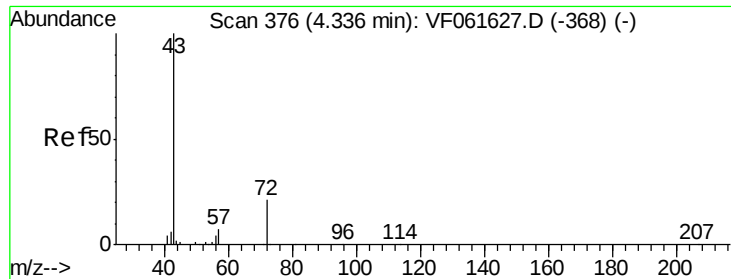
Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 3.8 1.8 5.4





#25

2-Butanone

Concen: 103.731 ug/l

RT: 4.34 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBS01

Tot Ion: 43 Resp: 125472

Ion Ratio Lower Upper

43 100

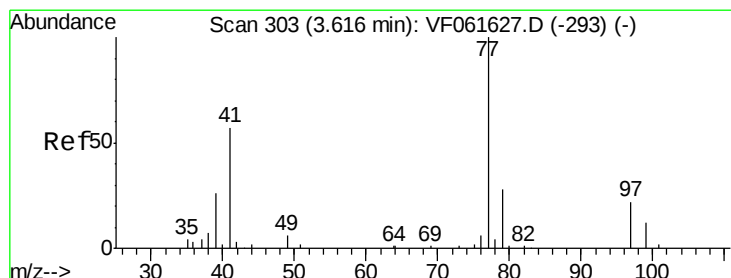
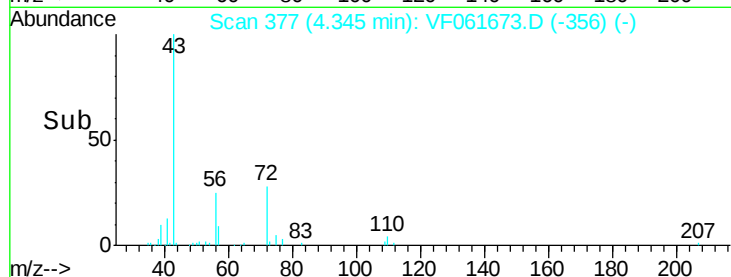
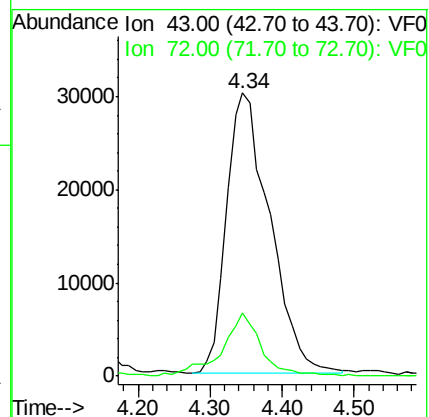
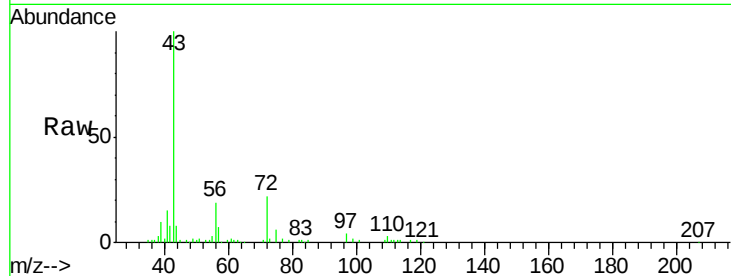
72 22.3 17.1 25.7

Manual Integrations

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MMDadoda

2/19/2019 12:29:21 PM



#26

2,2-Dichloropropane

Concen: 21.489 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF061673.D

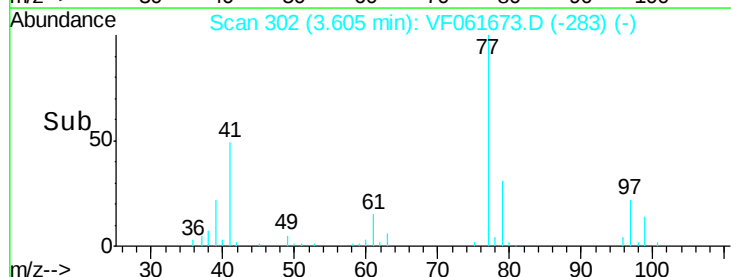
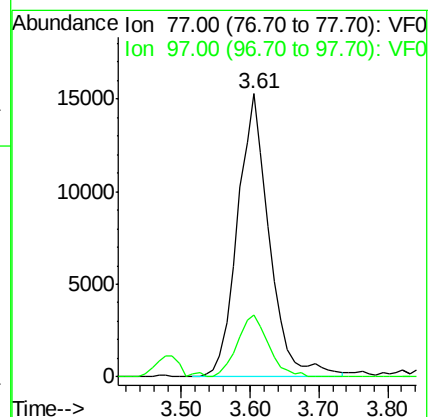
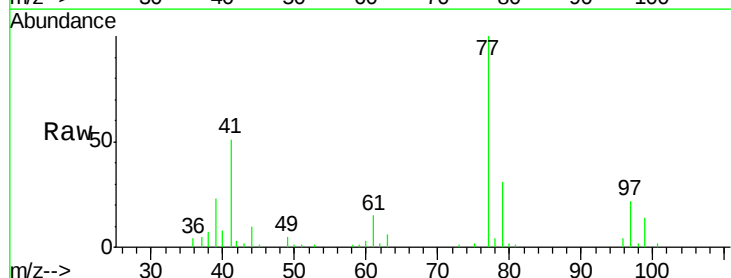
Acq: 18 Feb 2019 12:39

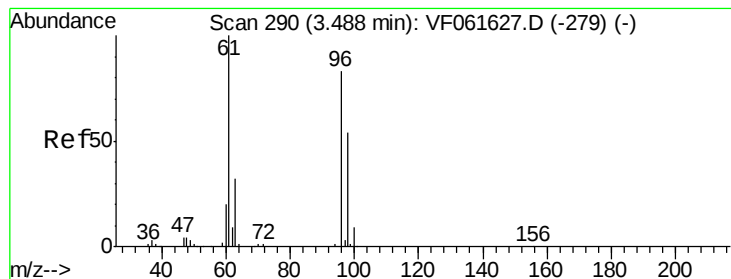
Tgt Ion: 77 Resp: 48936

Ion Ratio Lower Upper

77 100

97 21.8 11.7 35.0





#27

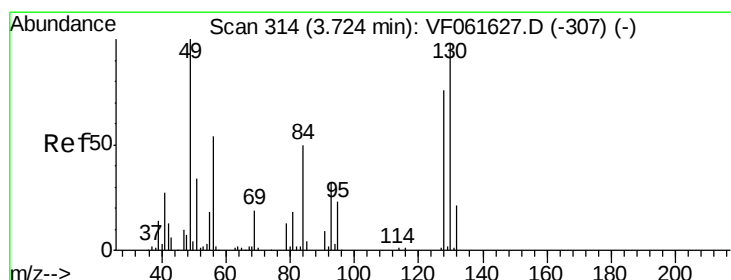
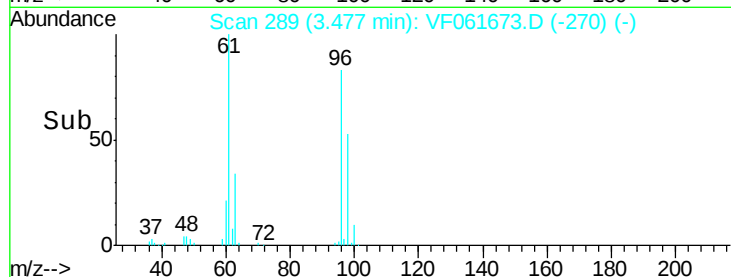
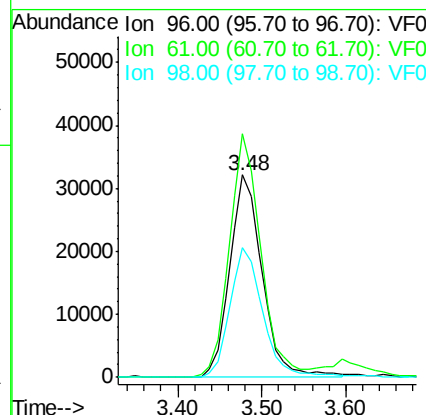
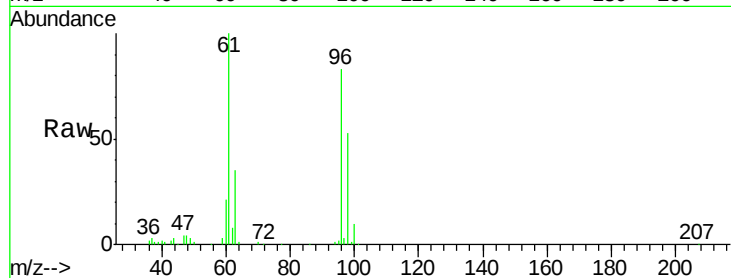
cis-1,2-Dichloroethene
 Concen: 20.060 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0218SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.4	0.0	241.6
98	63.9	0.0	130.2

Manual Integrations
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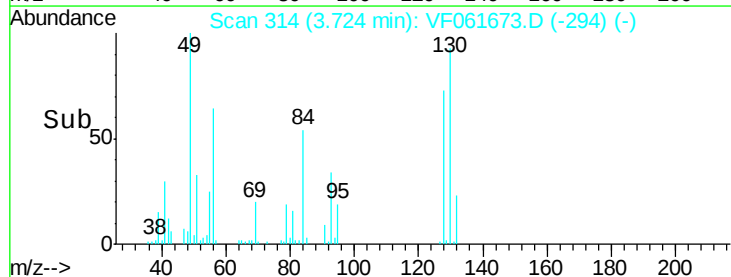
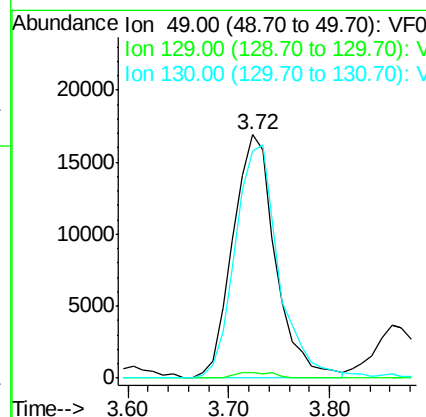
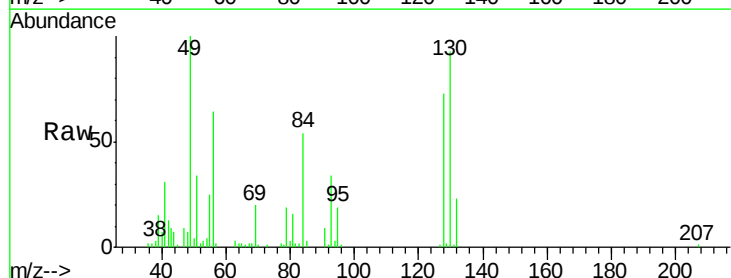
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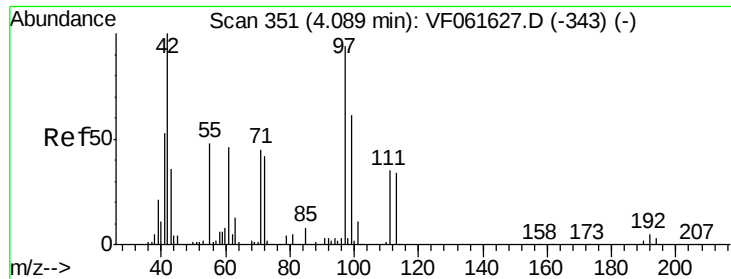


#28

Bromochloromethane
 Concen: 19.397 ug/l
 RT: 3.72 min Scan# 314
 Delta R.T. -0.00 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.4
130	93.5	77.7	116.5





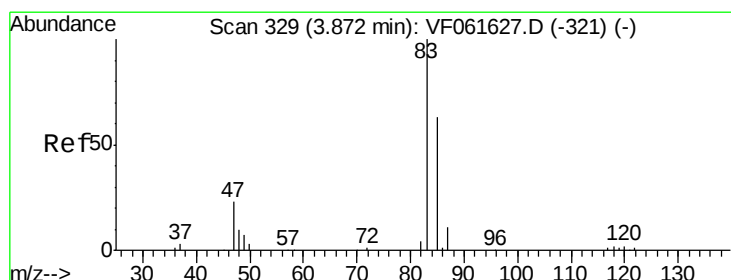
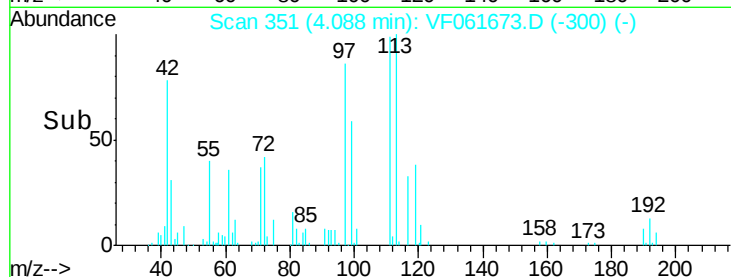
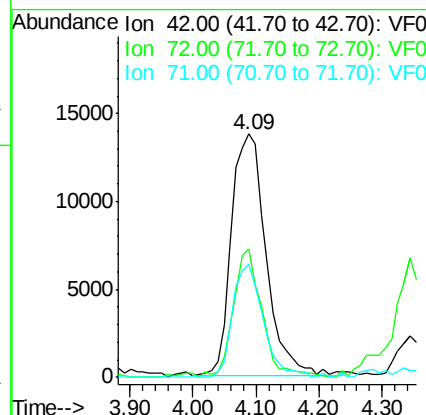
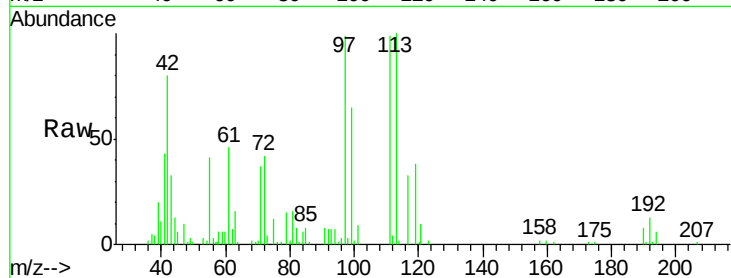
#29
Tetrahydrofuran
Concen: 94.877 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.2	52.8
71	40.8	32.9	49.3

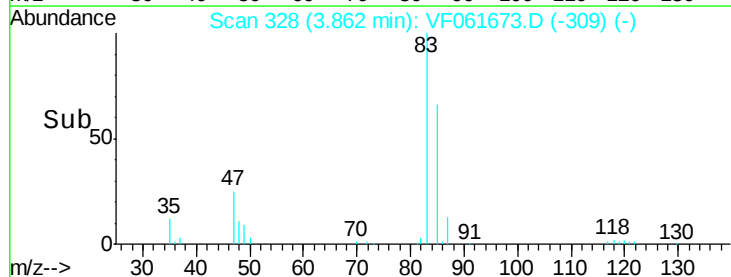
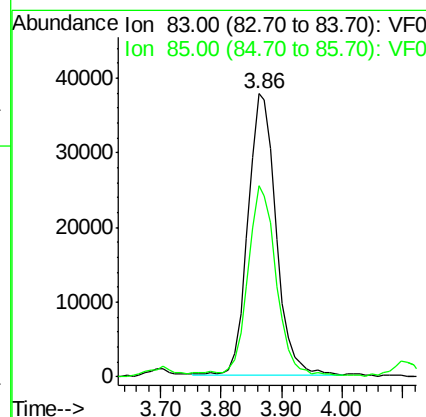
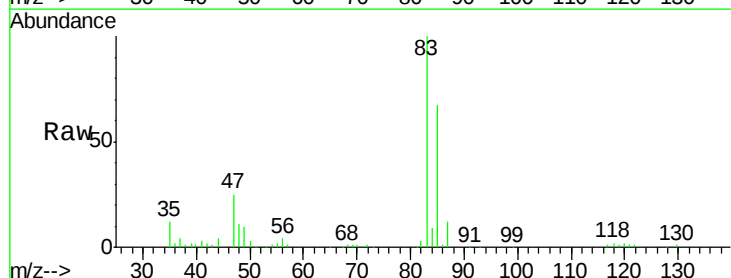
Manual Integrations
APPROVED

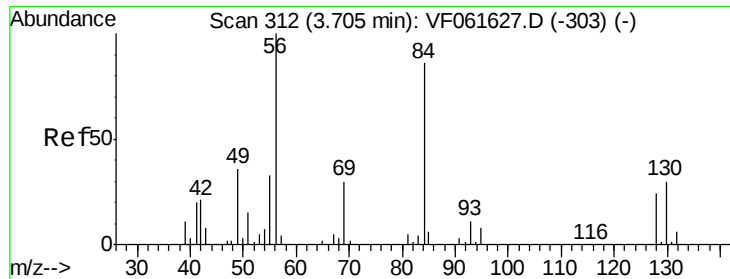
MMDadoda
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#30
Chloroform
Concen: 19.772 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.1	76.7





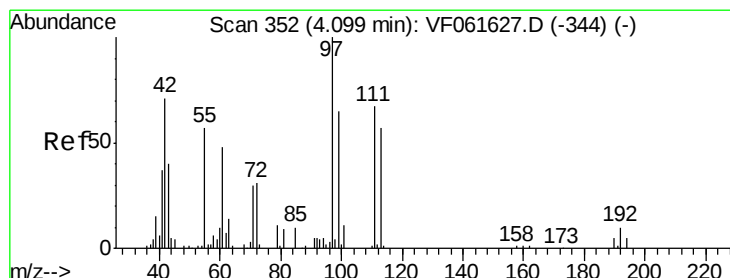
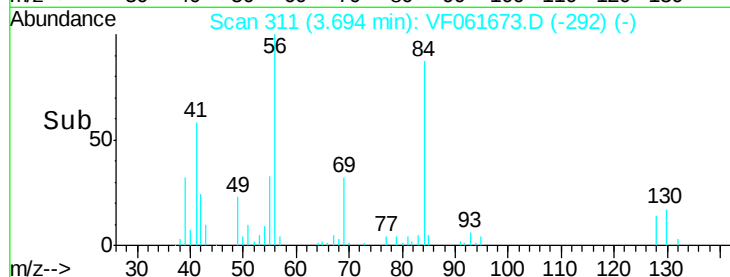
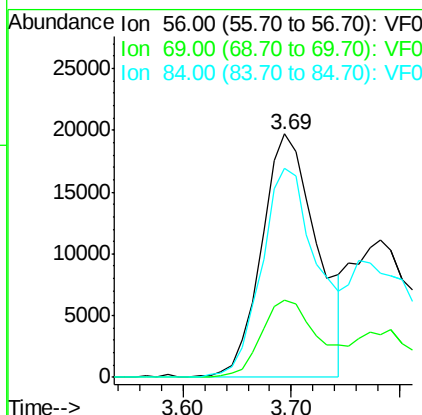
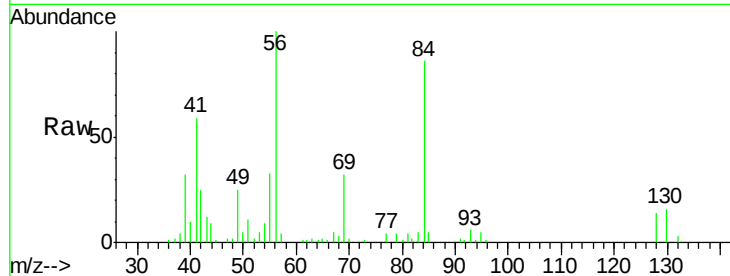
#31
Cyclohexane
Concen: 12.196 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	23.8	35.8
84	86.0	68.6	103.0

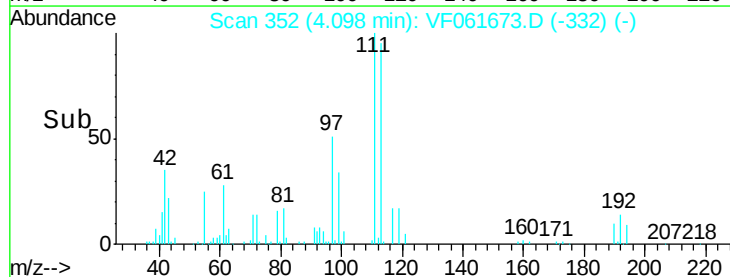
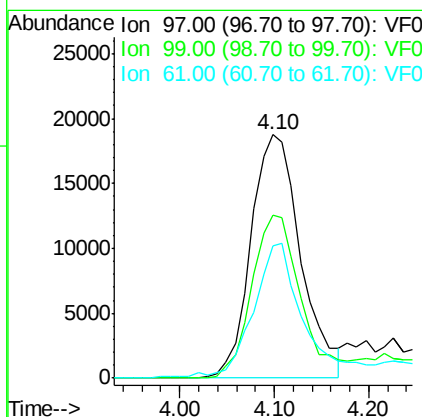
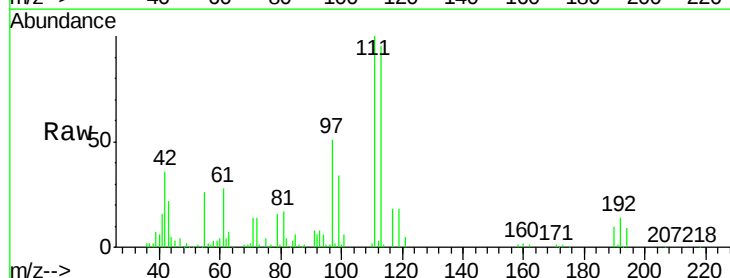
Manual Integrations
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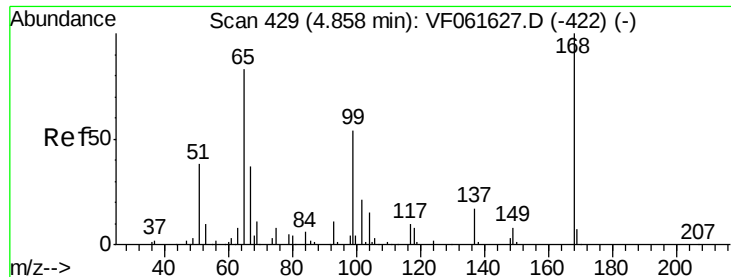
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#32
1,1,1-Trichloroethane
Concen: 17.148 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.1	52.2	78.2
61	54.3	39.2	58.8





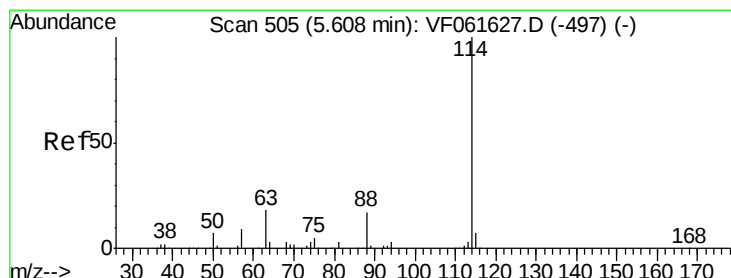
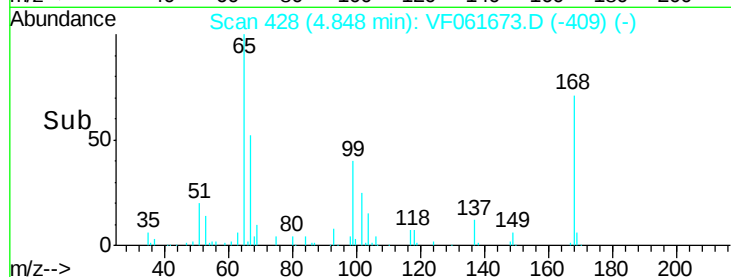
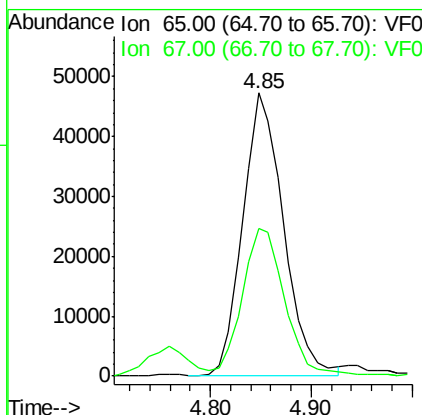
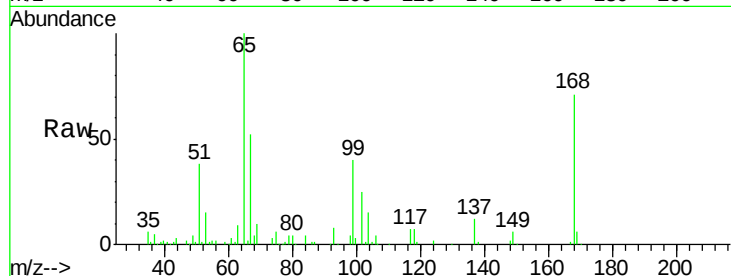
#33
 1,2-Dichloroethane-d4
 Concen: 51.695 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133424		
67	52.4	0.0	104.0	

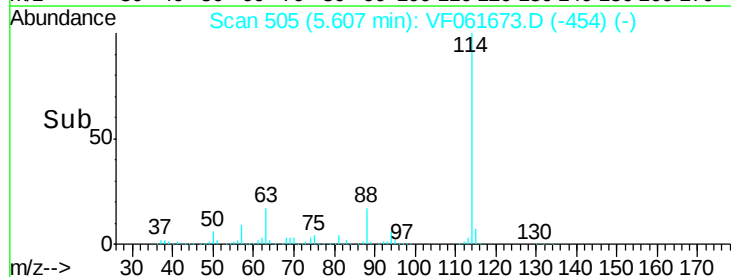
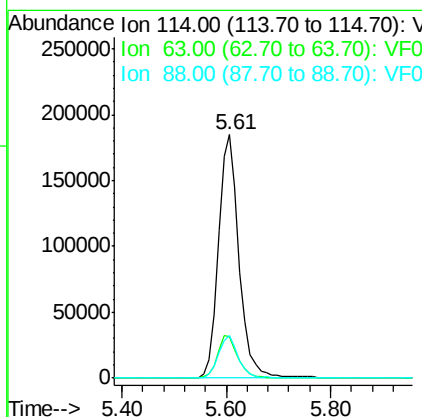
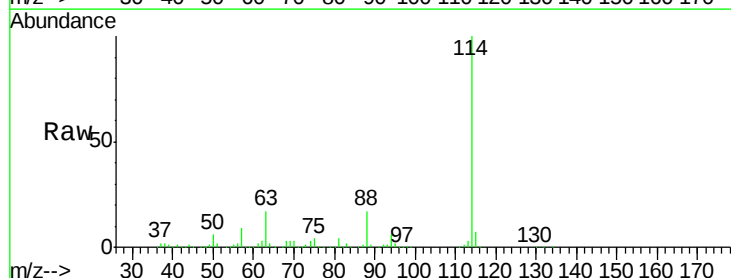
Manual Integrations
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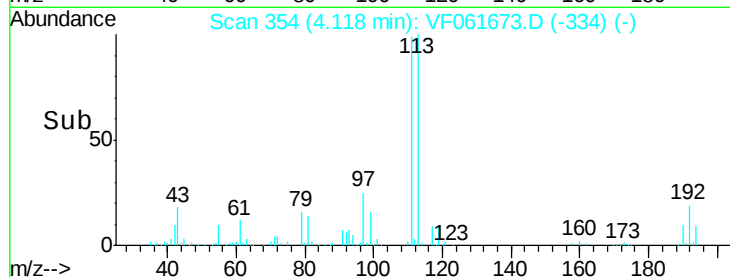
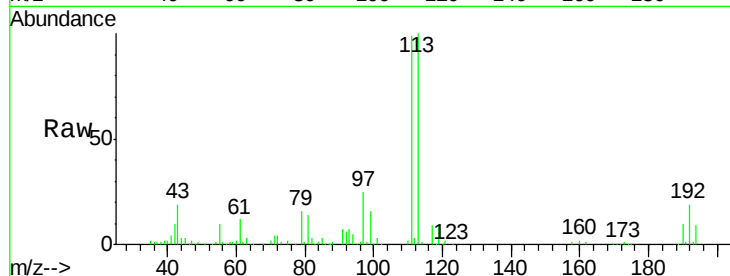
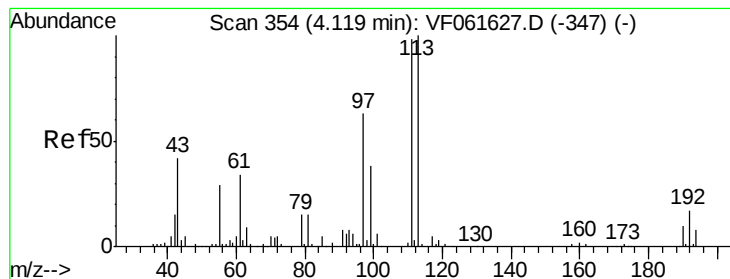
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	504233		
63	16.9	0.0	36.6	
88	17.4	0.0	34.4	





#35

Dibromofluoromethane

Concen: 51.239 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Tot Ion:	113	Resp:	191863
Ion Ratio	Lower	Upper	
113	100		
111	99.0	78.8	118.2
192	19.4	13.4	20.0

Instrument :

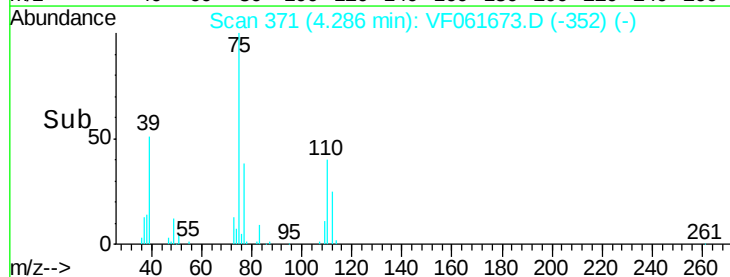
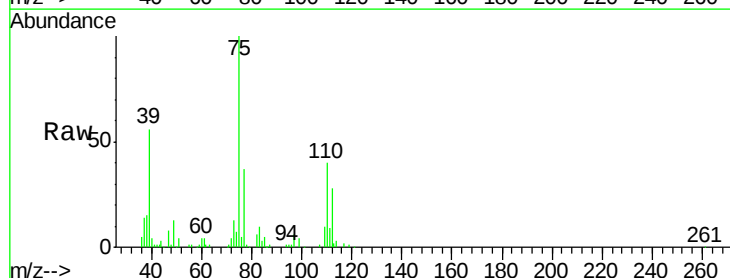
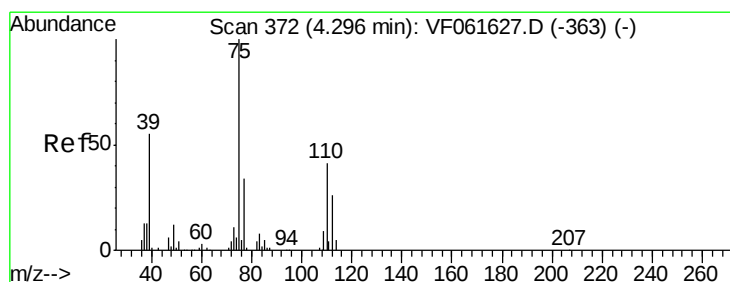
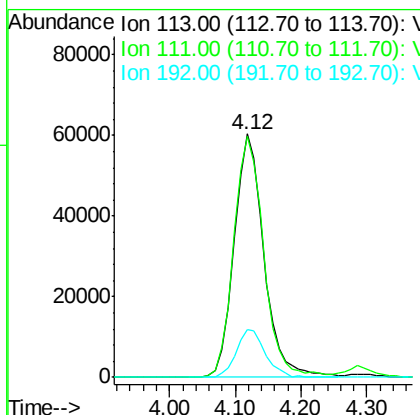
MSVOA_F

ClientSampleId :

VF0218SBS01

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#36

1,1-Dichloropropene

Concen: 20.870 ug/l

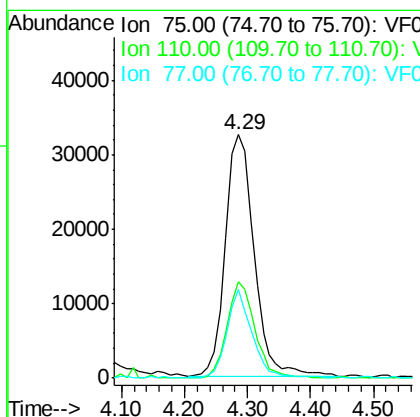
RT: 4.29 min Scan# 371

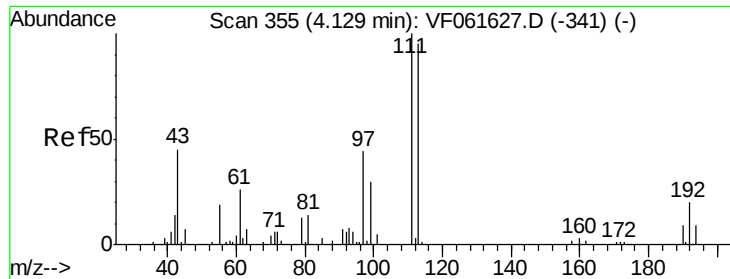
Delta R.T. -0.01 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Tgt Ion:	75	Resp:	104249
Ion Ratio	Lower	Upper	
75	100		
110	39.8	20.5	61.6
77	36.6	27.0	40.4





#37

Ethyl Acetate

Concen: 19.409 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

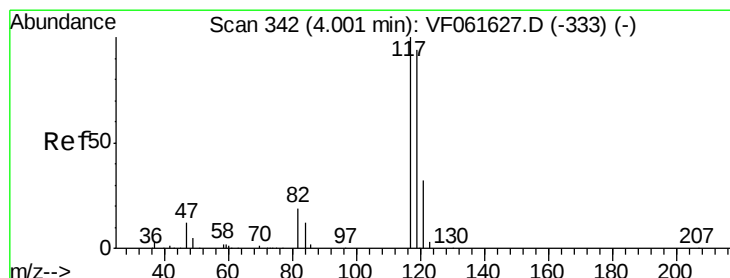
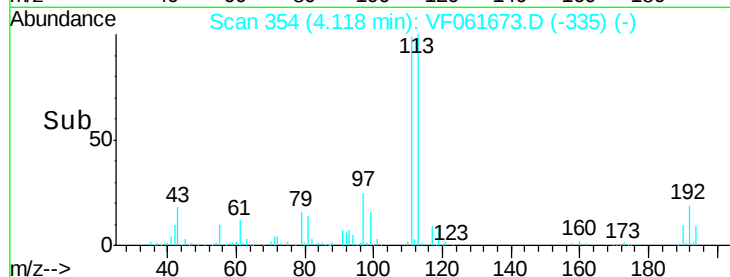
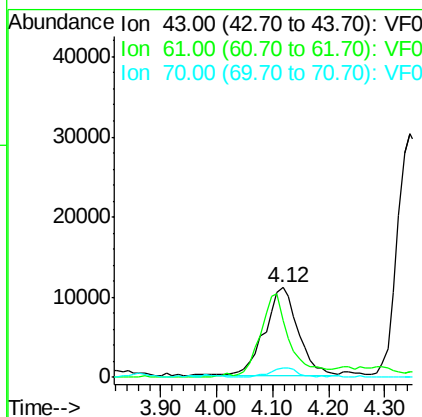
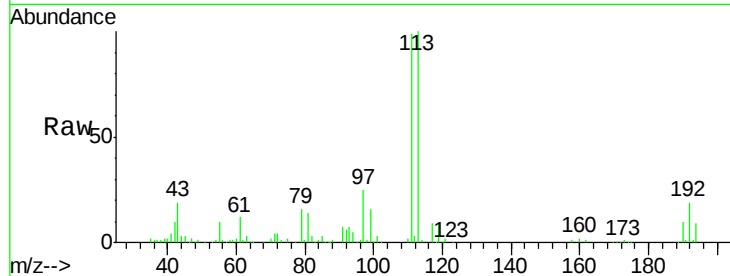
ClientSampleId :

VF0218SBS01

Tot Ion:	43	Resp:	45031
Ion	Ratio	Lower	Upper
43	100		
61	63.7	45.7	68.5
70	10.6	8.5	12.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.535 ug/l

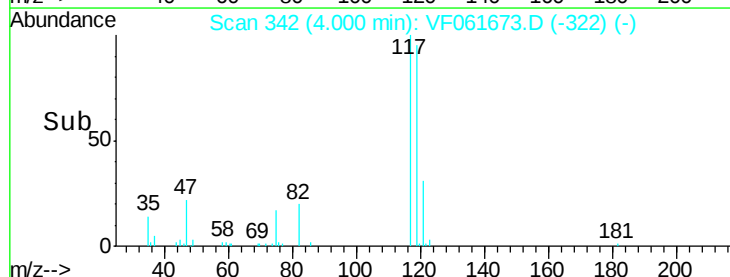
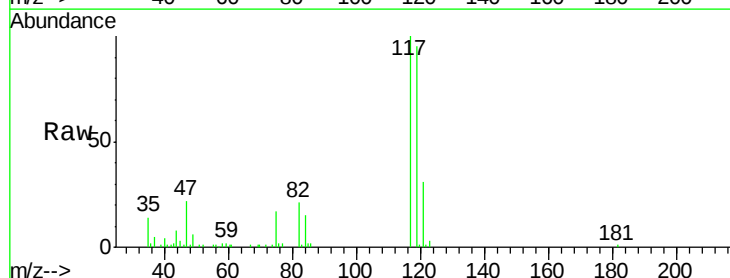
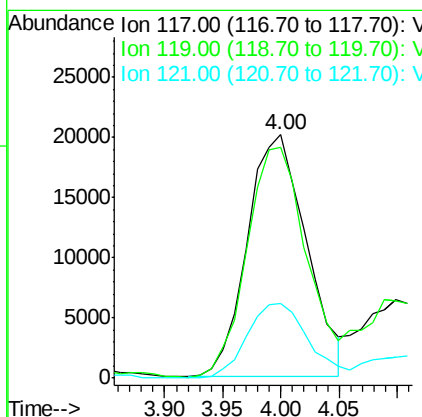
RT: 4.00 min Scan# 342

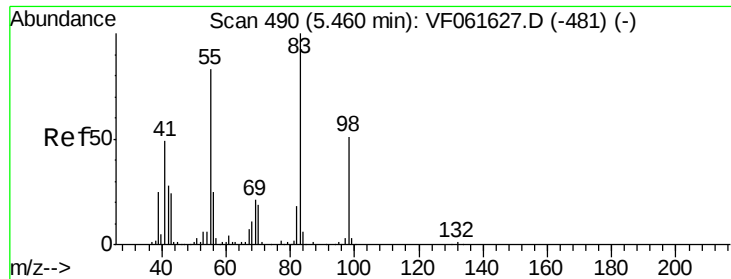
Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Tgt Ion:	117	Resp:	70828
Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.6	113.4
121	30.8	25.2	37.8





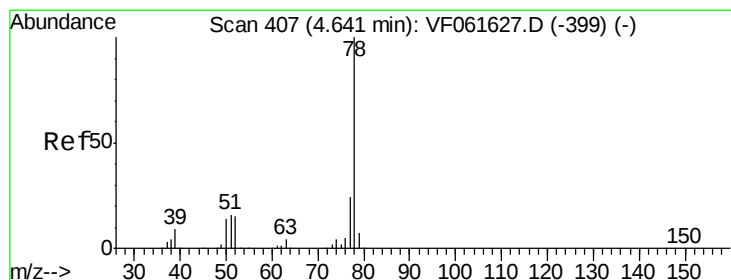
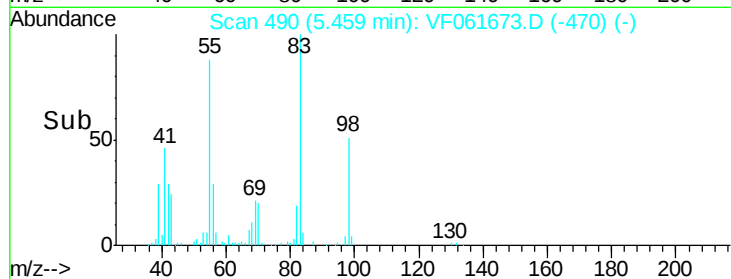
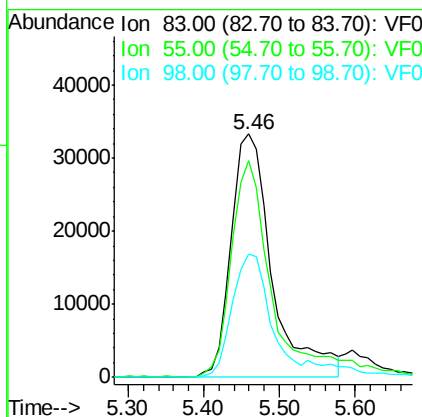
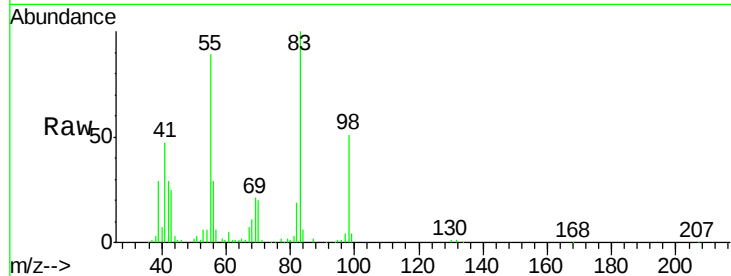
#39
Methvlcvclohexane
Concen: 21.390 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.9	66.6	99.8
98	50.9	40.4	60.6

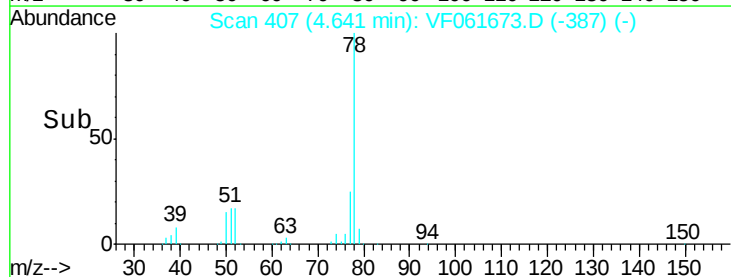
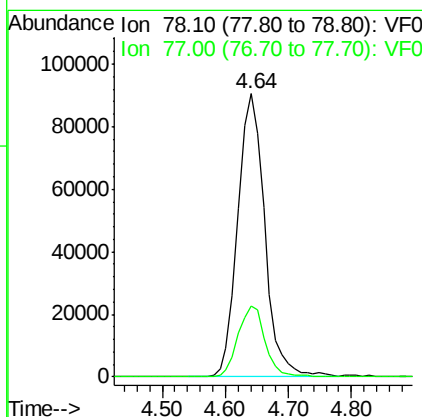
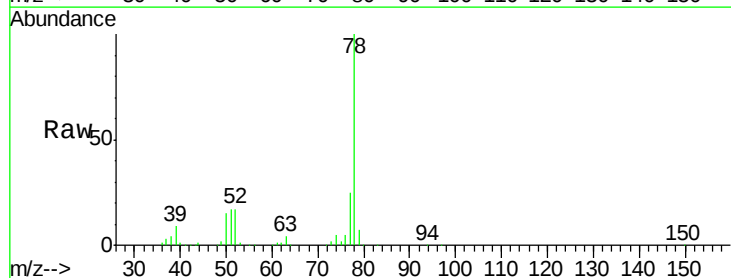
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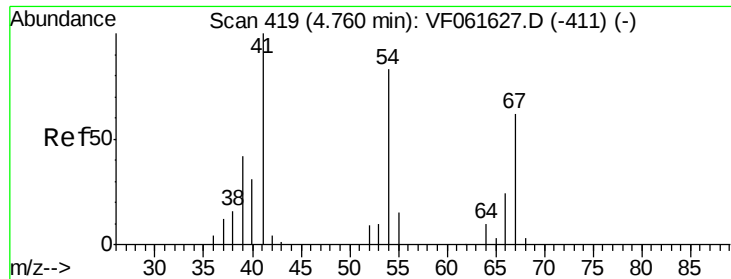
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#40
Benzene
Concen: 20.601 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.0	28.6





#41

Methacrylonitrile

Concen: 22.657 ug/l

RT: 4.76 min Scan# 419

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

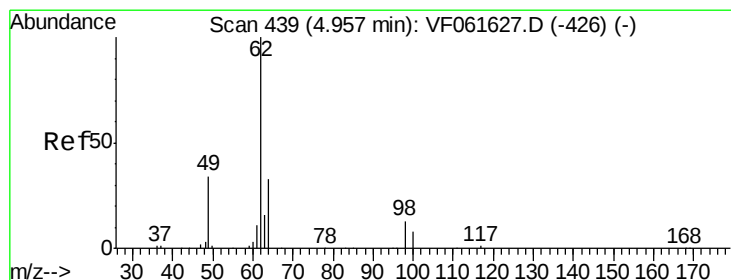
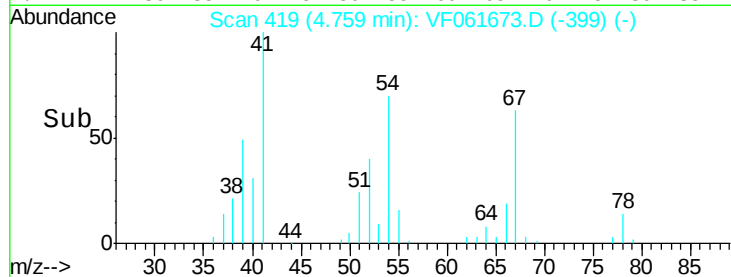
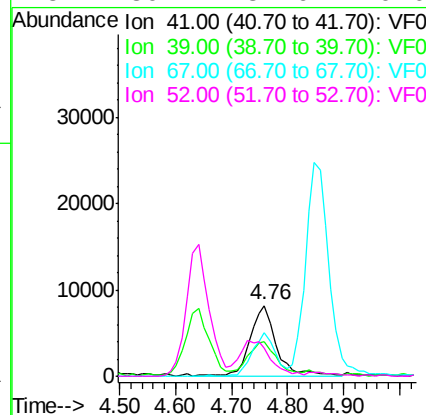
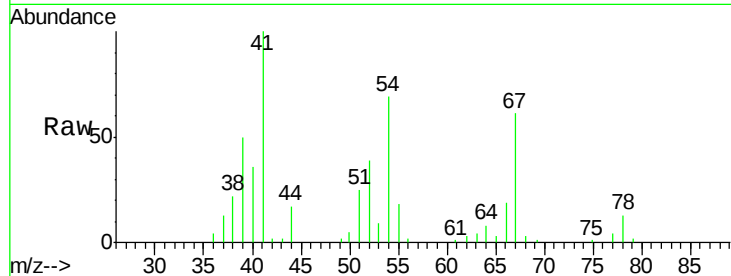
ClientSampleId :

VF0218SBSD01

Tot Ion	41	Resp	26882
Ion	Ratio	Lower	Upper
41	100		
39	49.6	45.3	67.9
67	61.4	49.3	73.9
52	39.2	32.6	49.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.534 ug/l

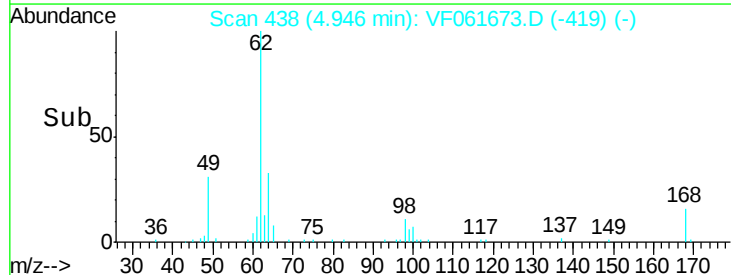
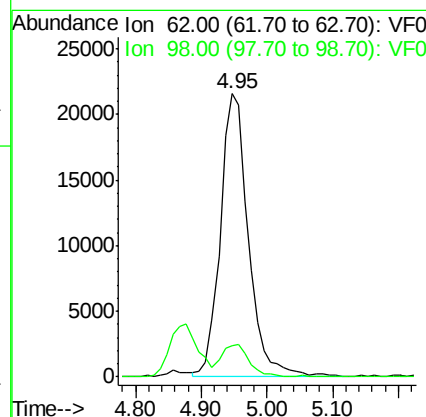
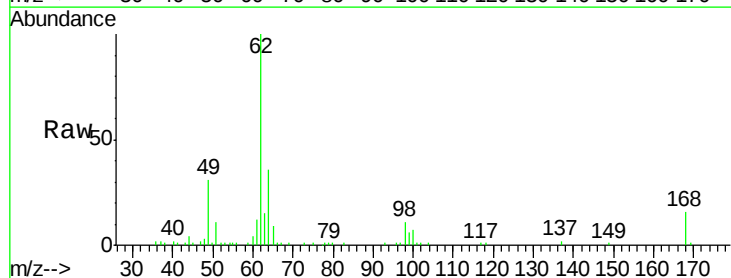
RT: 4.95 min Scan# 438

Delta R.T. -0.01 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Tgt Ion	62	Resp	64175
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	26.0





#43

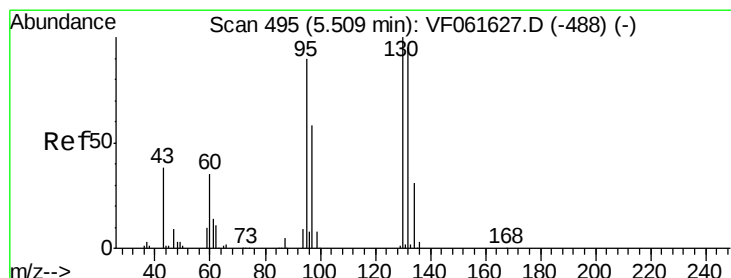
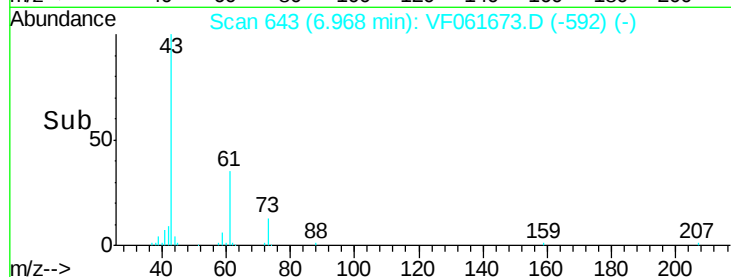
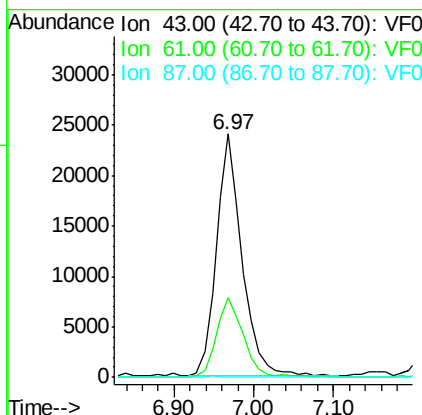
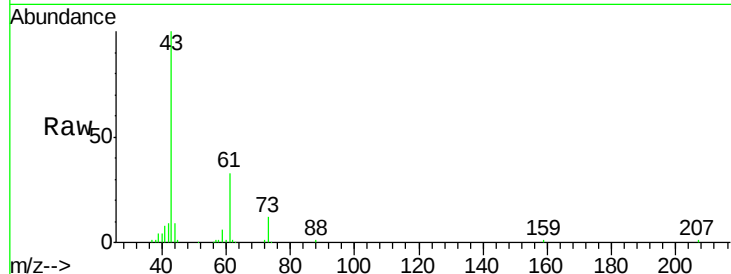
Isopropyl Acetate
 Concen: 19.619 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0218SBS01

Tot Ion	43	Resp	53878
Ion Ratio	Lower	Upper	
43	100		
61	33.0	25.8	38.6
87	0.0	0.4	0.6

Manual Integrations
 APPROVED

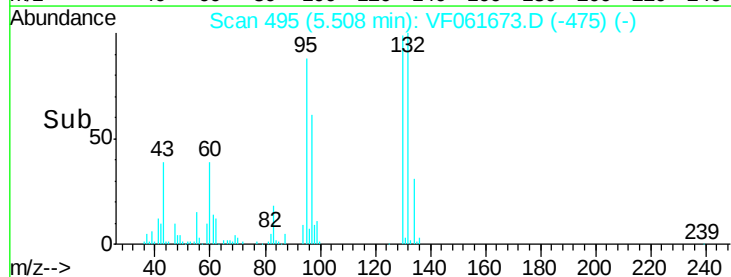
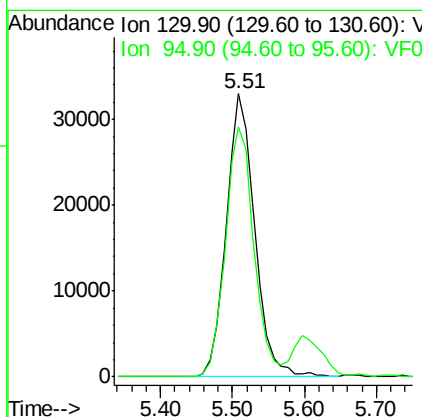
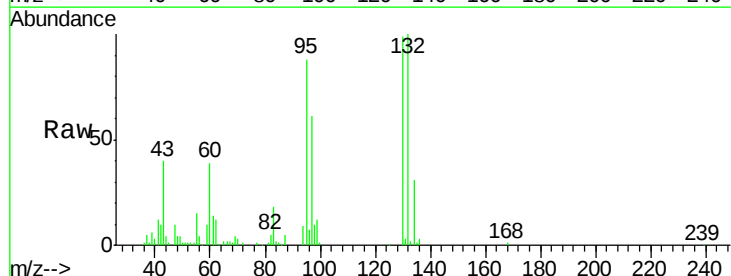
MMDadoda
 2/19/2019 12:29:21 PM

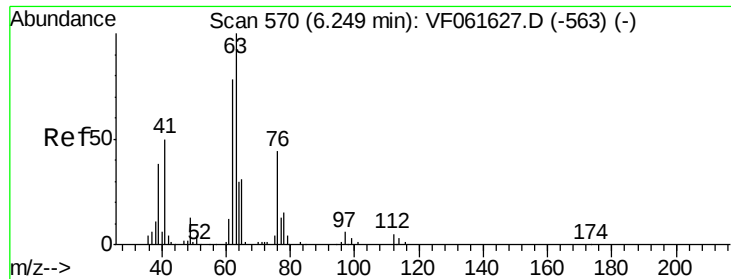


#44

Trichloroethene
 Concen: 21.389 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Tgt Ion	130	Resp	90369
Ion Ratio	Lower	Upper	
130	100		
95	88.4	0.0	179.4





#45

1,2-Dichloropropane

Concen: 22.203 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBS01

Tot Ion: 63 Resp: 70120

Ion Ratio Lower Upper

63 100

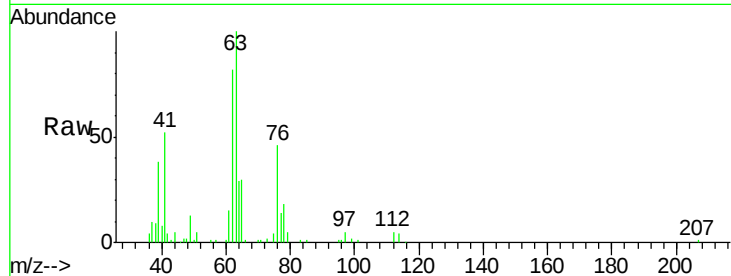
65 30.1 24.9 37.3

Manual Integrations

APPROVED

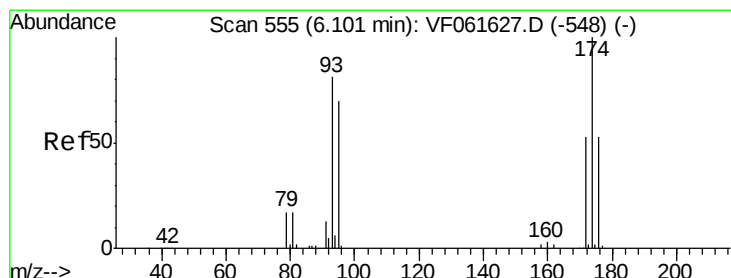
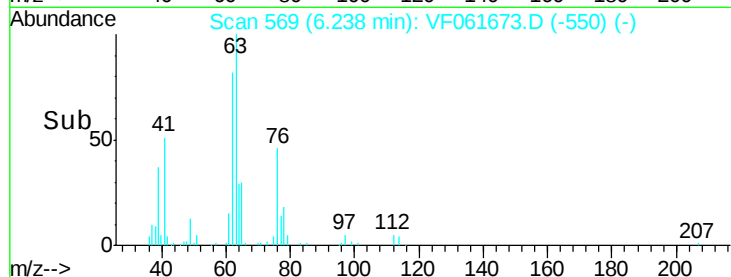
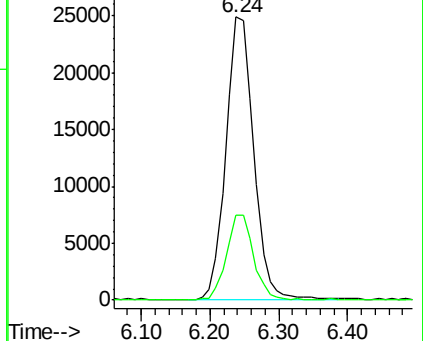
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.119 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

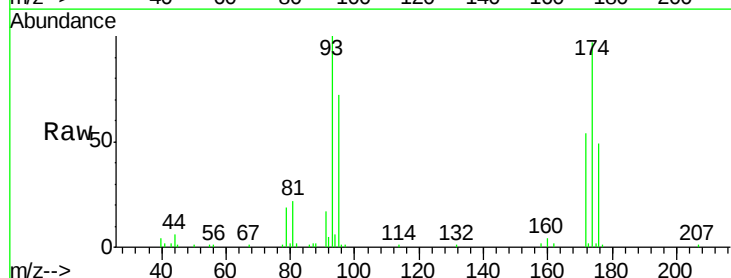
Tgt Ion: 93 Resp: 41066

Ion Ratio Lower Upper

93 100

95 71.9 69.0 103.6

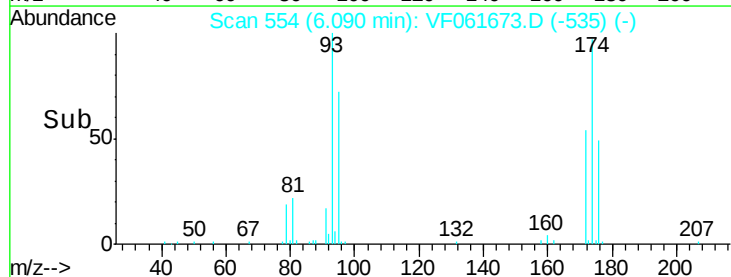
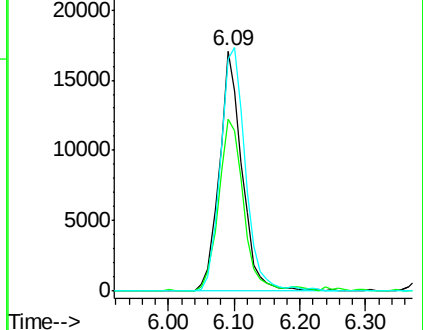
174 97.0 99.3 148.9#

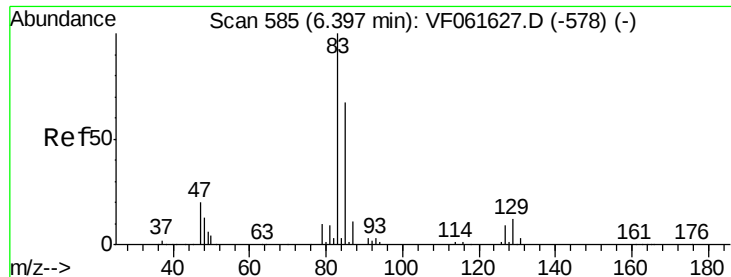


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.663 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

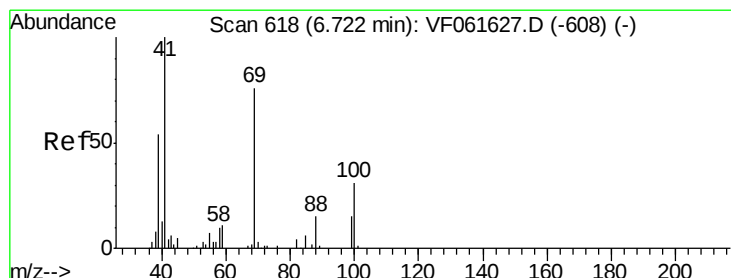
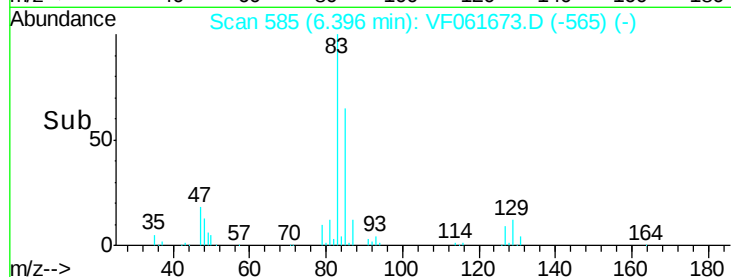
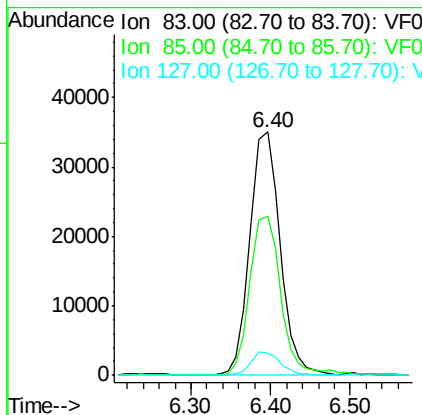
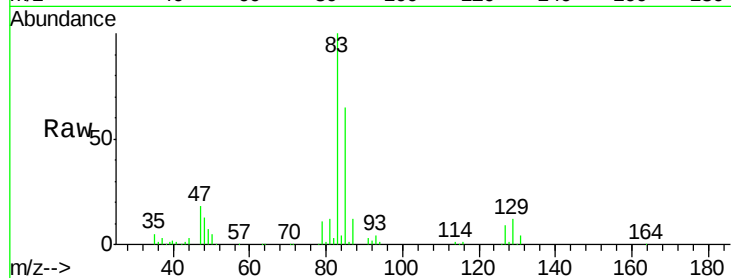
ClientSampleId :

VF0218SBS01

Tot Ion:	83	Resp:	92245
Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.4	80.2
127	9.0	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.730 ug/l

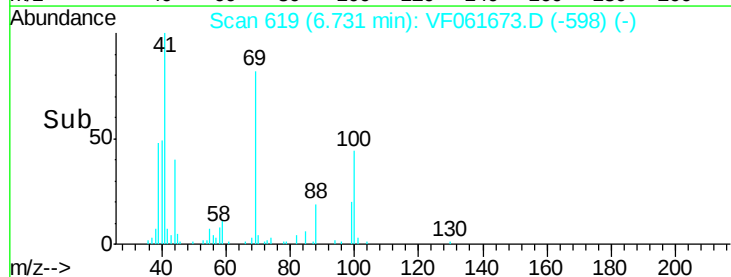
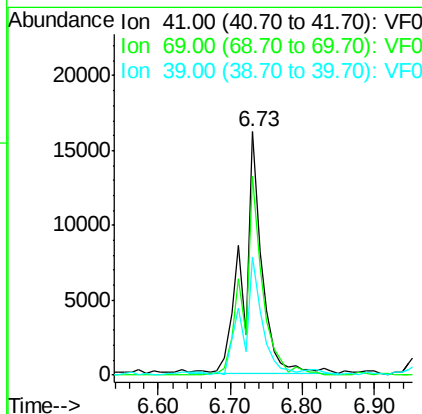
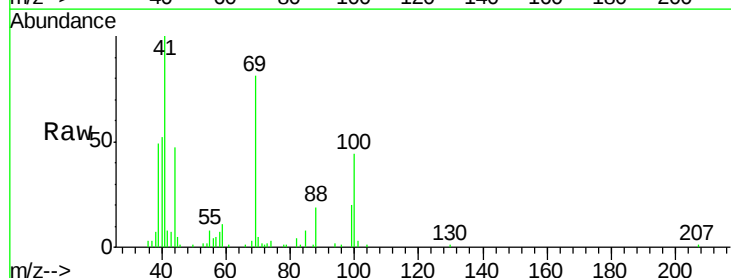
RT: 6.73 min Scan# 619

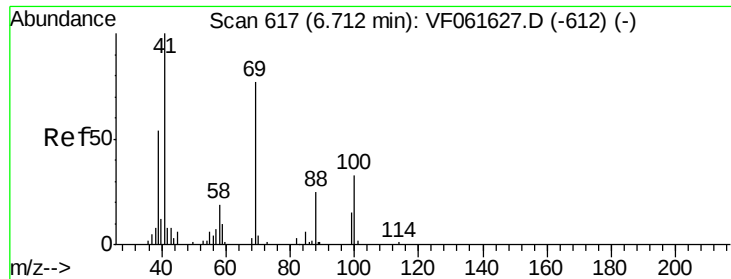
Delta R.T. 0.01 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Tgt Ion:	41	Resp:	29302
Ion	Ratio	Lower	Upper
41	100		
69	81.4	60.4	90.6
39	48.5	43.7	65.5





#49

1,4-Dioxane

Concen: 492.410 ug/l

RT: 6.73 min Scan# 619

Delta R.T. 0.02 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

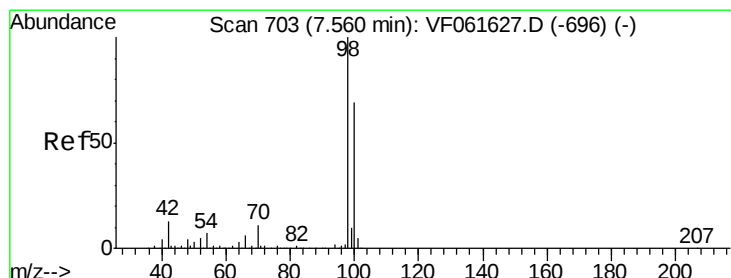
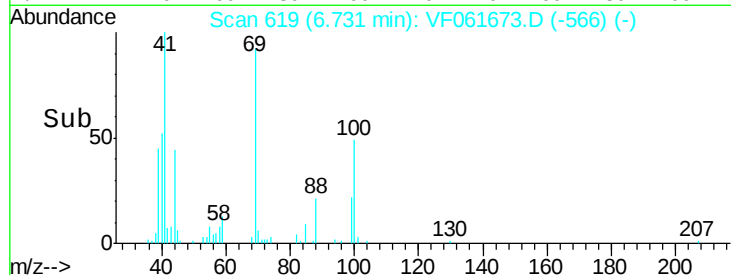
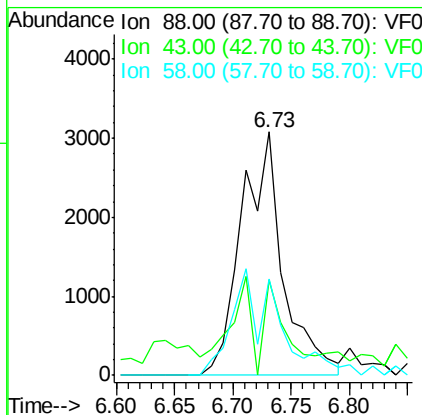
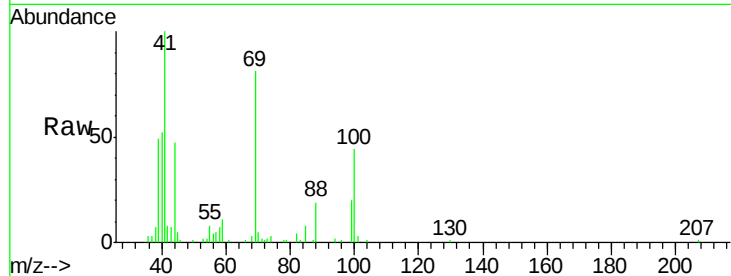
ClientSampleId :

VF0218SBS01

Tot Ion:	88	Resp:	7650
Ion	Ratio	Lower	Upper
88	100		
43	39.0	32.3	48.5
58	39.5	59.4	89.2#

Manual Integrations
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#50

Toluene-d8

Concen: 52.282 ug/l

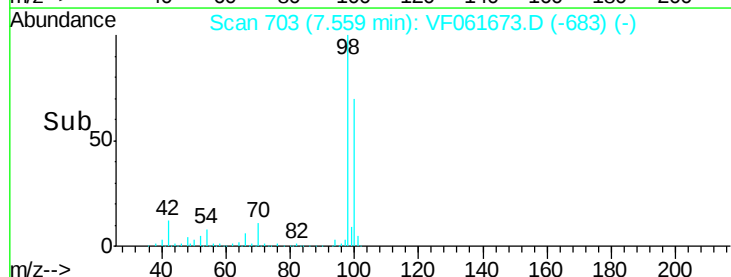
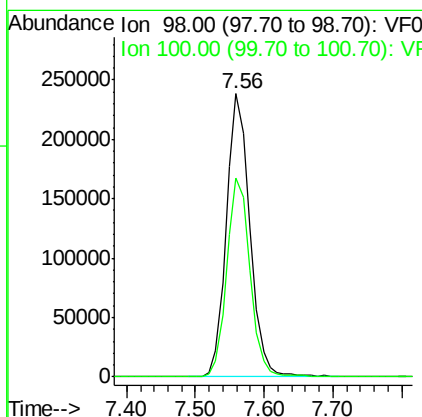
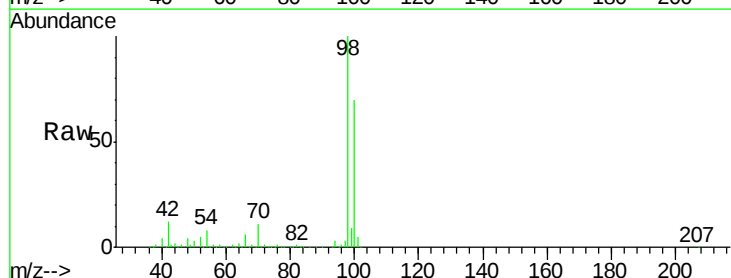
RT: 7.56 min Scan# 703

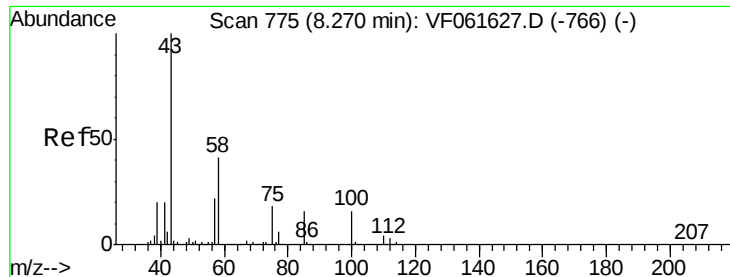
Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Tgt Ion:	98	Resp:	562782
Ion	Ratio	Lower	Upper
98	100		
100	70.4	55.4	83.2





#51

4-Methyl-2-Pentanone

Concen: 96.845 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBS01

Tot Ion: 43 Resp: 190036

Ion Ratio Lower Upper

43 100

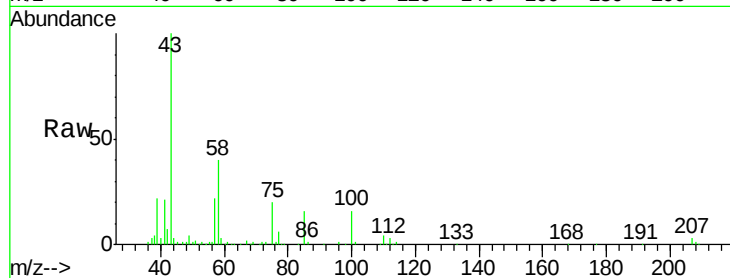
58 40.0 33.1 49.7

Manual Integrations

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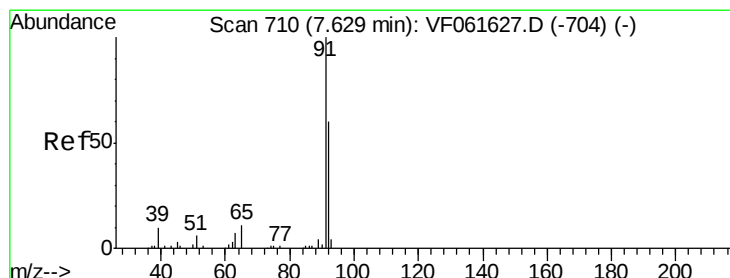
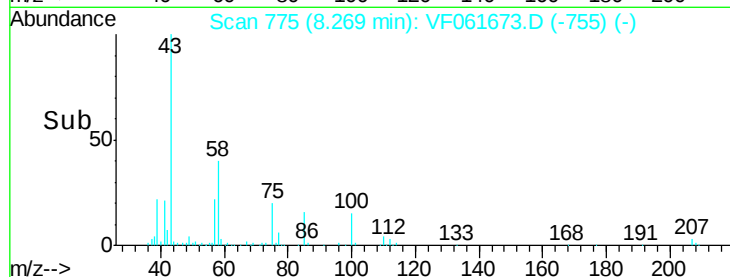
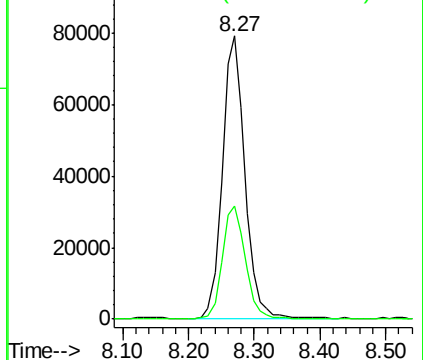
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.065 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061673.D

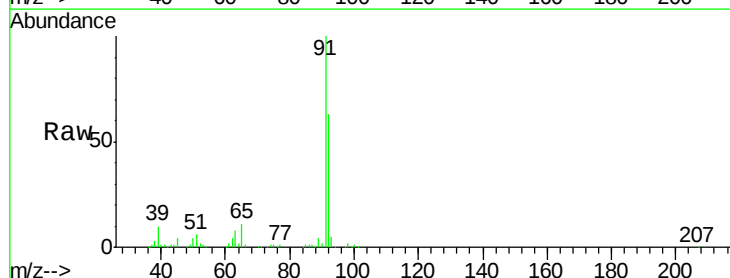
Acq: 18 Feb 2019 12:39

Tgt Ion: 92 Resp: 166919

Ion Ratio Lower Upper

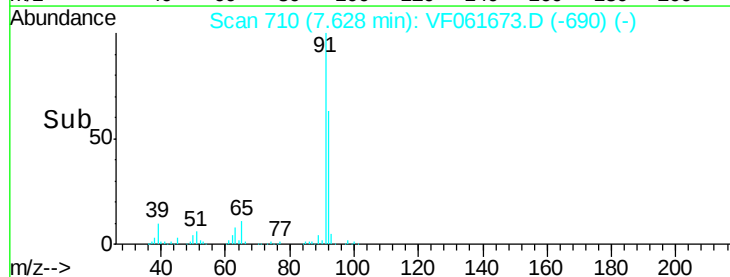
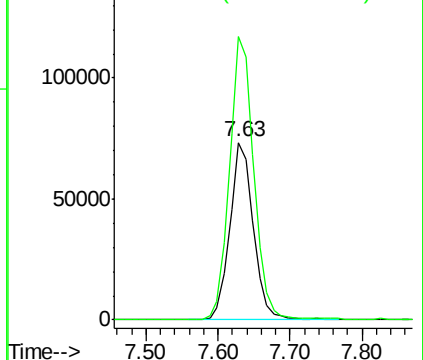
92 100

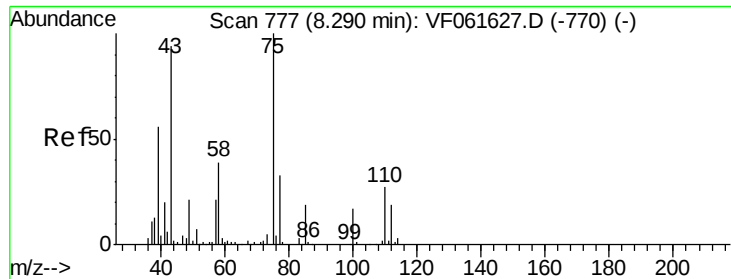
91 159.7 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





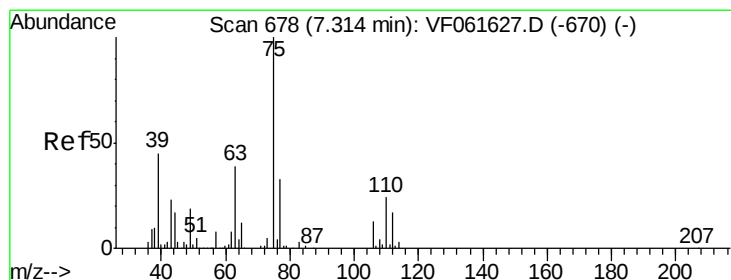
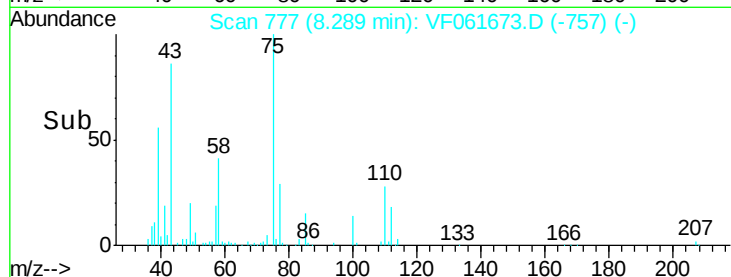
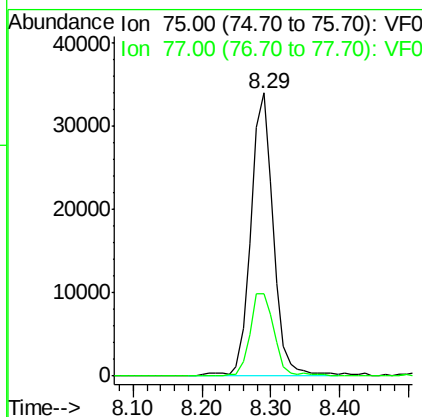
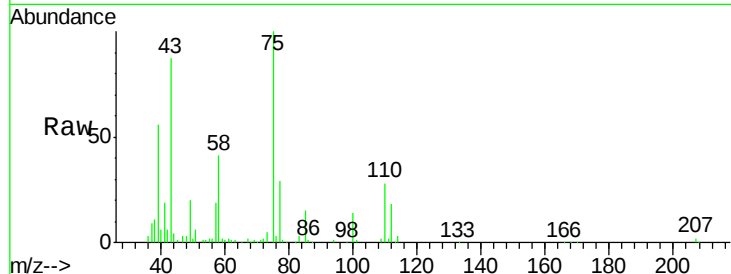
#53
t-1,3-Dichloropropene
Concen: 21.851 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBS01

Tot Ion: 75 Resp: 77439
Ion Ratio Lower Upper
75 100
77 29.3 26.2 39.2

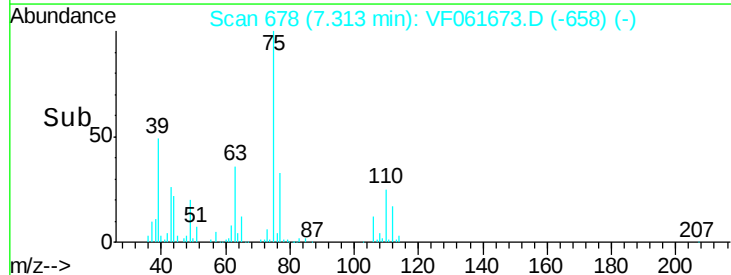
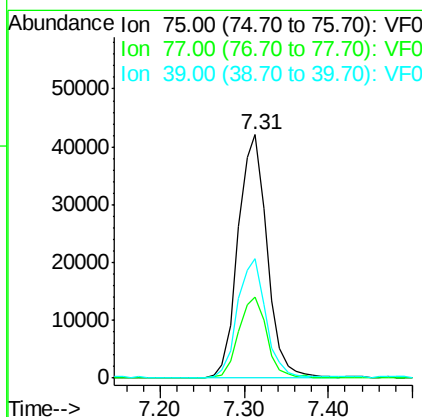
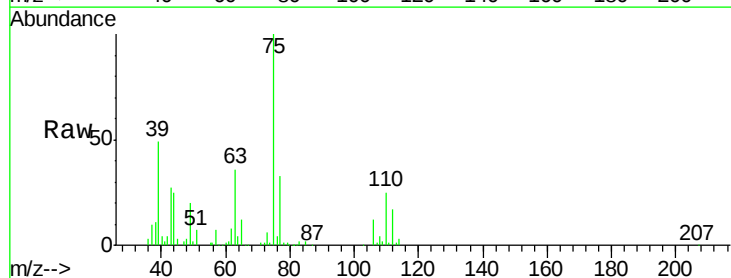
Manual Integrations
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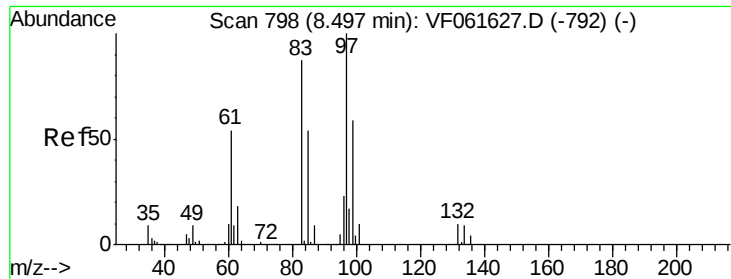
MMDadoda
2/19/2019 12:29:21 PM



#54
cis-1,3-Dichloropropene
Concen: 21.489 ug/l
RT: 7.31 min Scan# 678
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion: 75 Resp: 101441
Ion Ratio Lower Upper
75 100
77 33.4 26.4 39.6
39 48.9 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 19.895 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

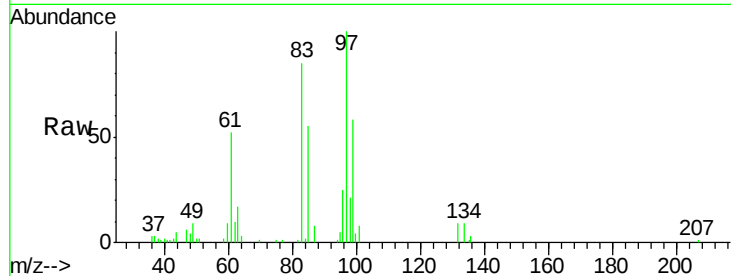
ClientSampleId :

VF0218SBS01

Tot Ion:	97	Resp:	46319
Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.2	103.8
85	54.8	43.0	64.4
99	57.7	47.2	70.8

Manual Integrations
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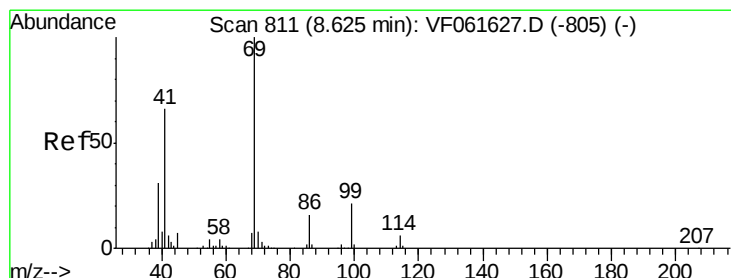
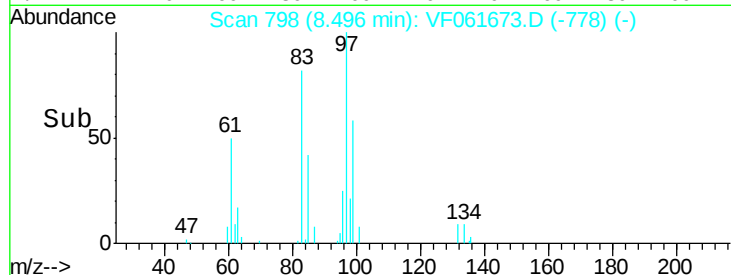
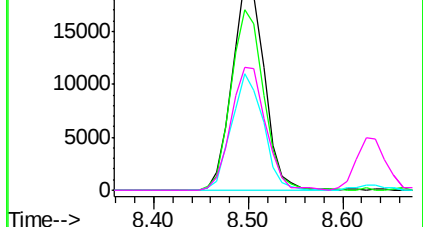


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.651 ug/l

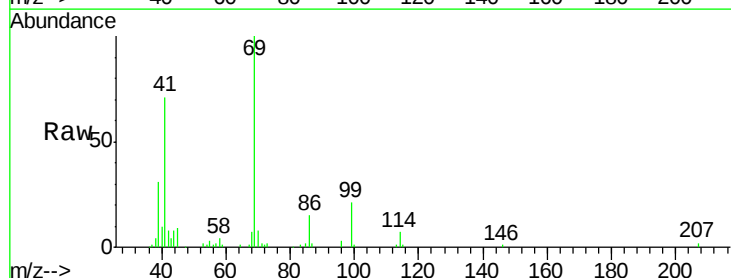
RT: 8.62 min Scan# 811

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

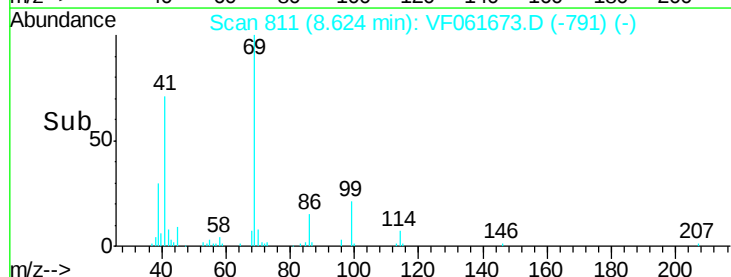
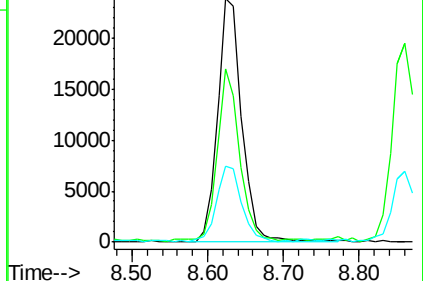
Tgt Ion:	69	Resp:	53529
Ion	Ratio	Lower	Upper
69	100		
41	70.9	52.9	79.3
39	31.0	24.5	36.7

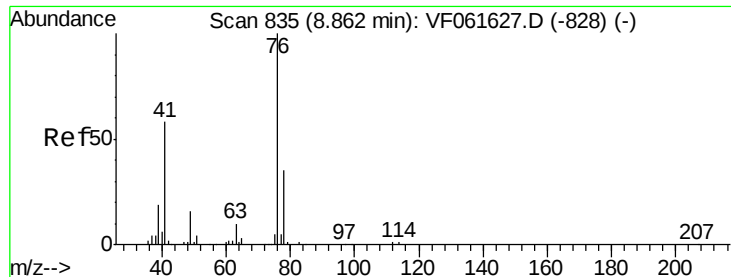


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.025 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBS01

Tot Ion: 76 Resp: 77816

Ion Ratio Lower Upper

76 100

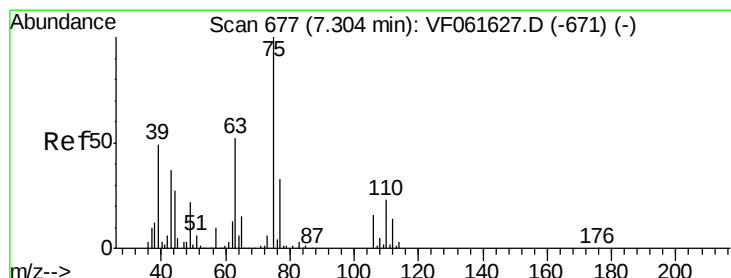
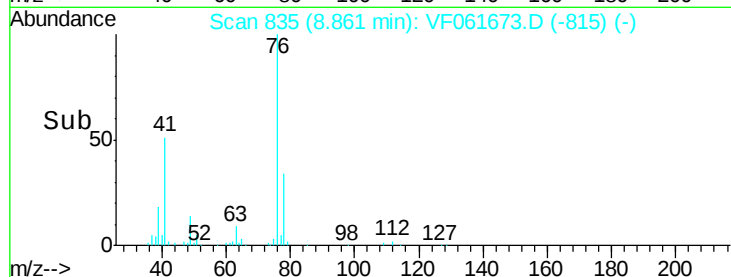
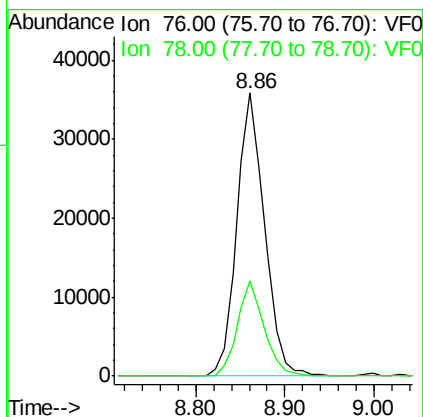
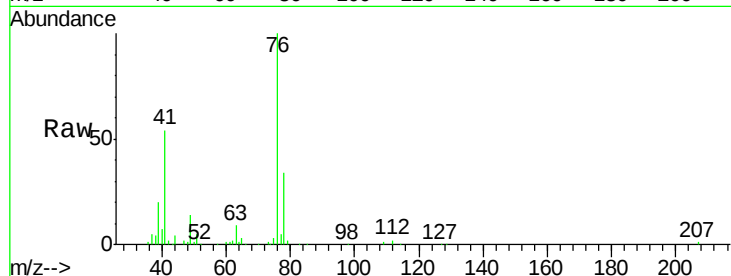
78 33.7 27.8 41.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 95.070 ug/l

RT: 7.30 min Scan# 677

Delta R.T. -0.00 min

Lab File: VF061673.D

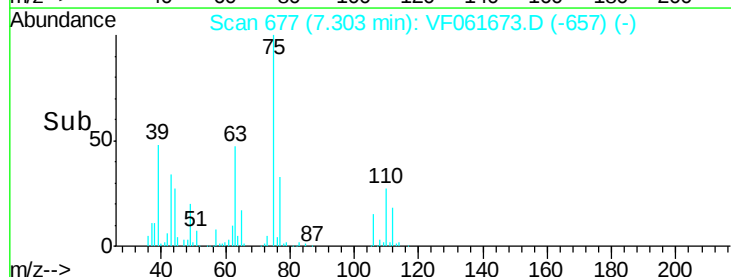
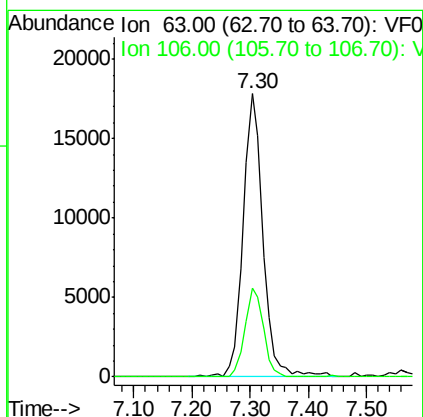
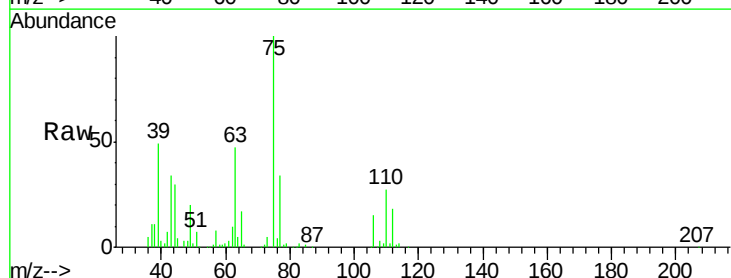
Acq: 18 Feb 2019 12:39

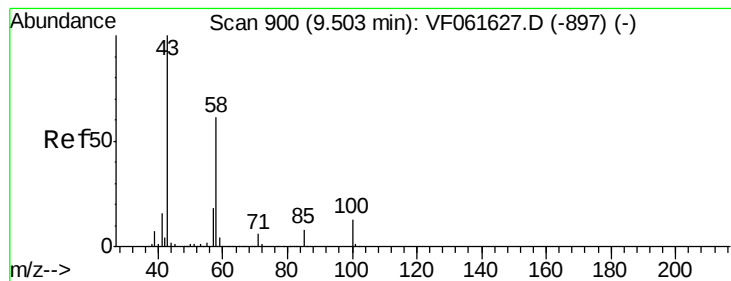
Tgt Ion: 63 Resp: 42517

Ion Ratio Lower Upper

63 100

106 31.2 24.6 36.8





#59

2-Hexanone

Concen: 100.368 ug/l

RT: 9.50 min Scan# 900

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBSD01

Tot Ion: 43 Resp: 138056

Ion Ratio Lower Upper

43 100

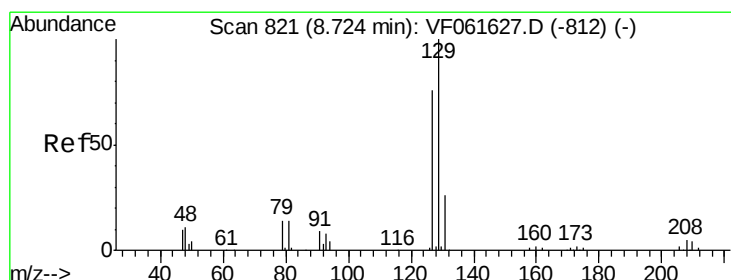
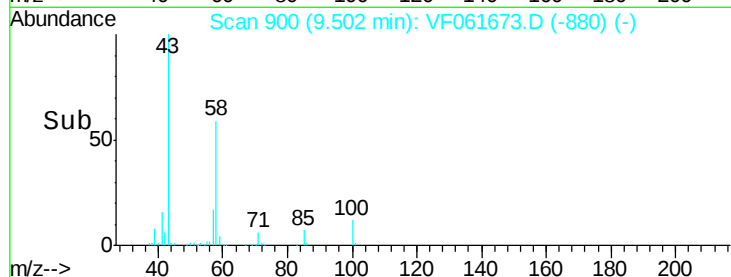
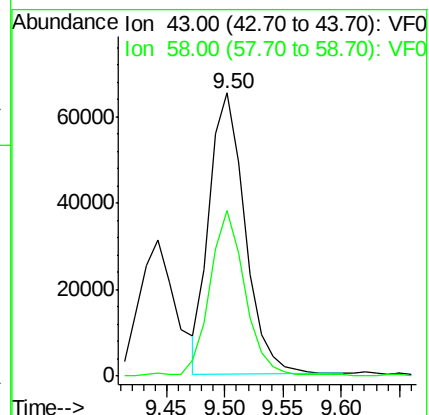
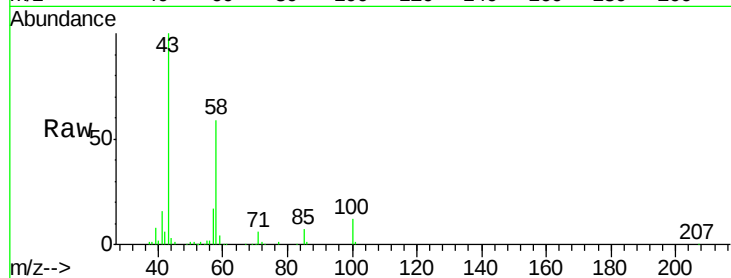
58 58.5 28.5 85.5

Manual Integrations

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#60

Dibromochloromethane

Concen: 20.259 ug/l

RT: 8.72 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF061673.D

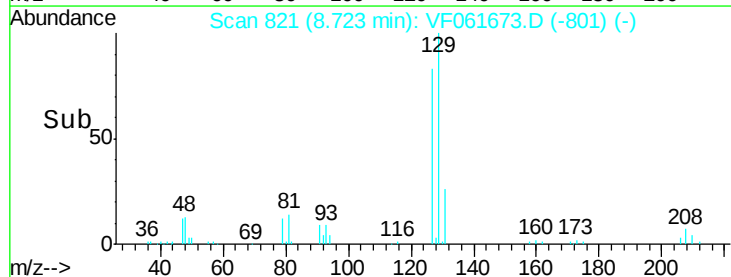
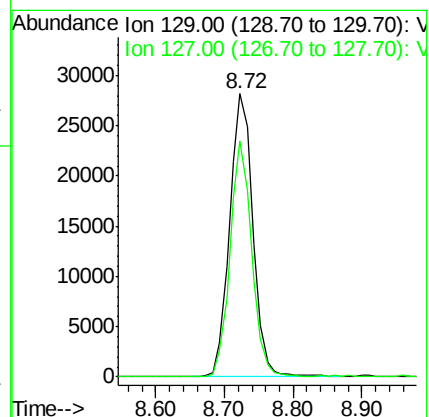
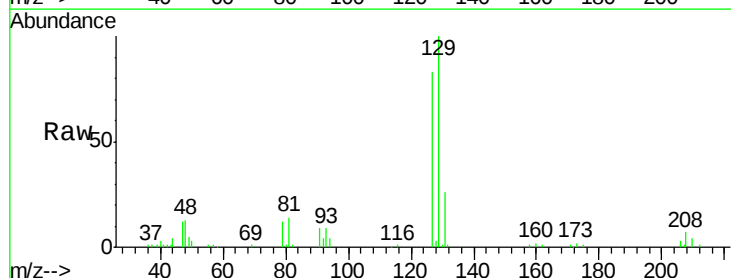
Acq: 18 Feb 2019 12:39

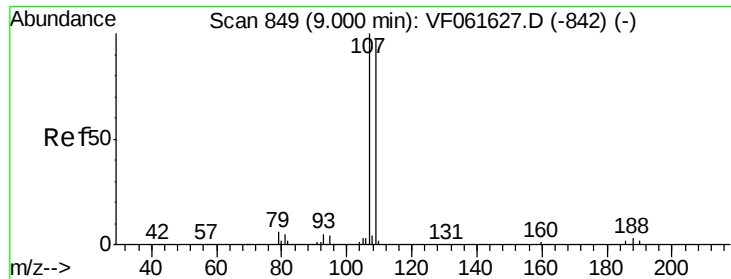
Tgt Ion: 129 Resp: 65649

Ion Ratio Lower Upper

129 100

127 83.4 37.8 113.4





#61

1,2-Dibromoethane

Concen: 20.548 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBS01

Tot Ion:107 Resp: 51886

Ion Ratio Lower Upper

107 100

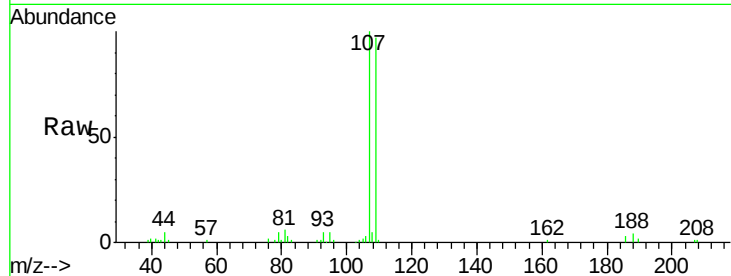
109 96.6 77.4 116.0

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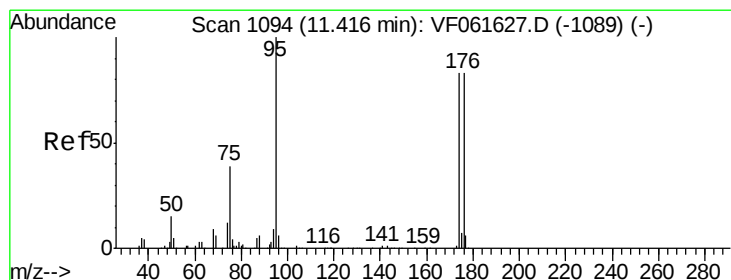
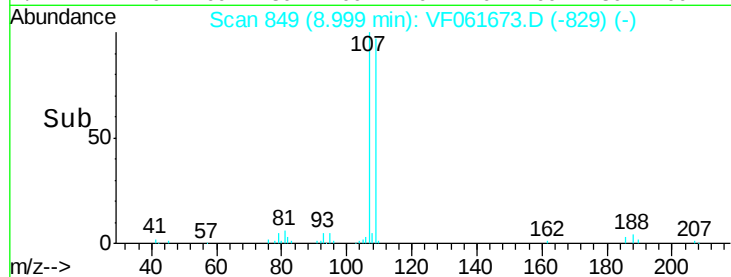
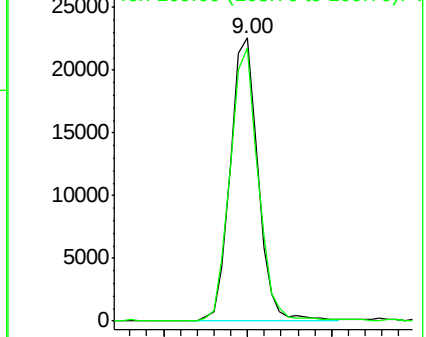
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.373 ug/l

RT: 11.41 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

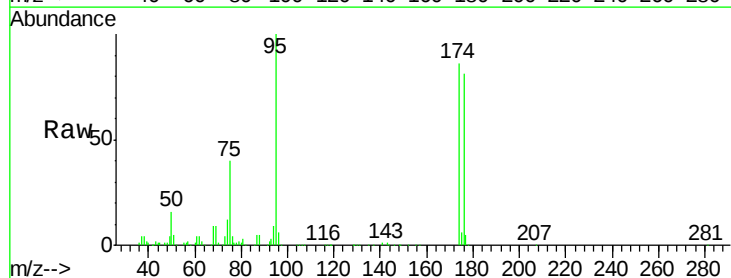
Tgt Ion: 95 Resp: 228107

Ion Ratio Lower Upper

95 100

174 86.4 0.0 165.8

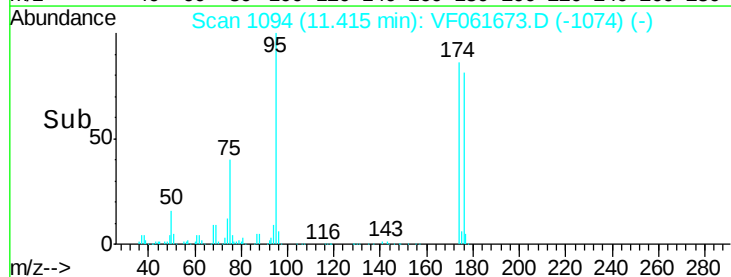
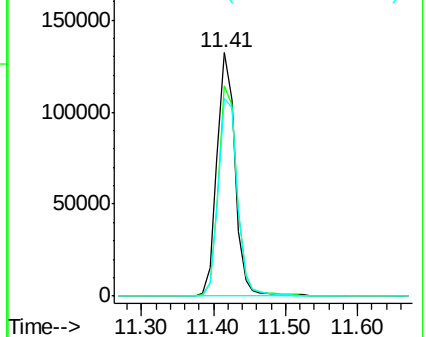
176 81.0 0.0 167.0

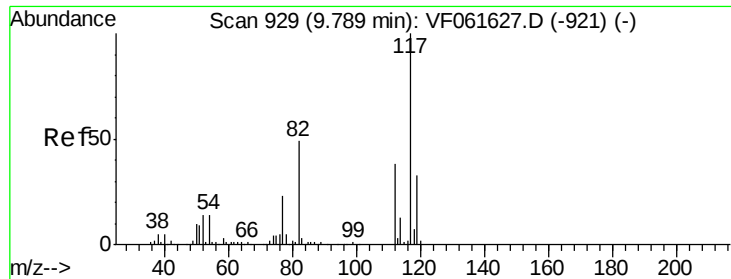


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





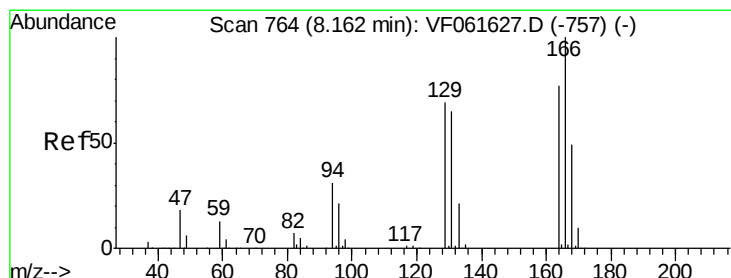
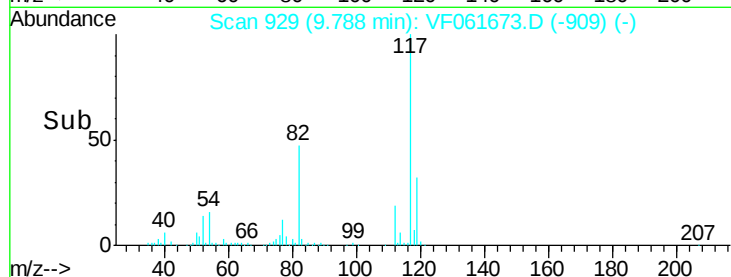
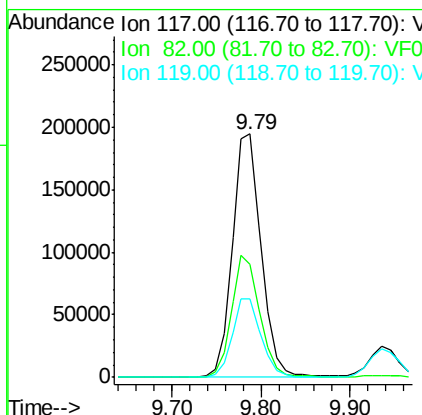
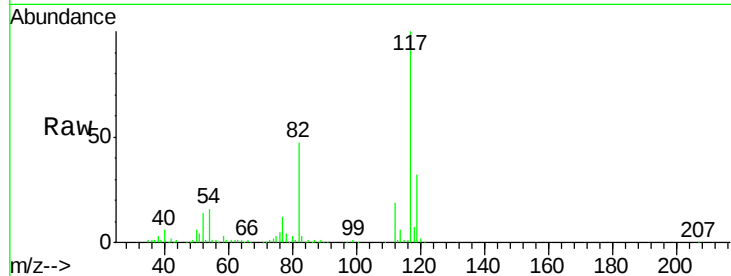
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.5	39.3	58.9
119	32.1	26.6	40.0

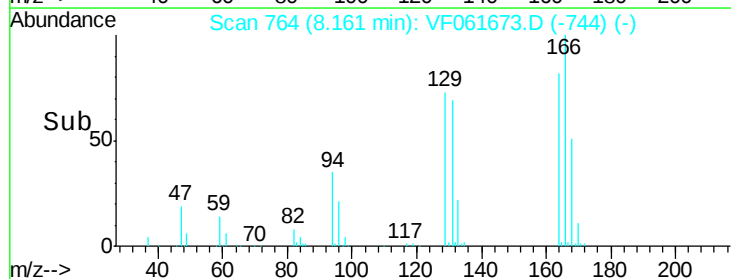
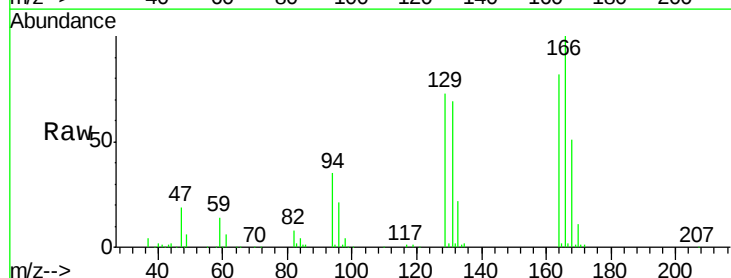
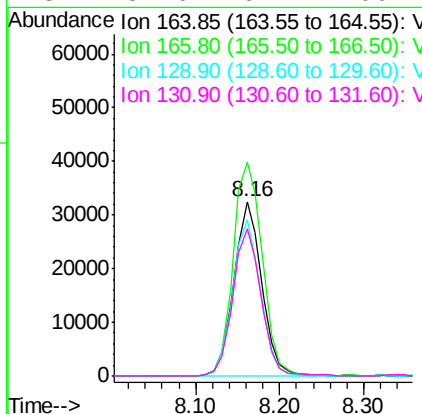
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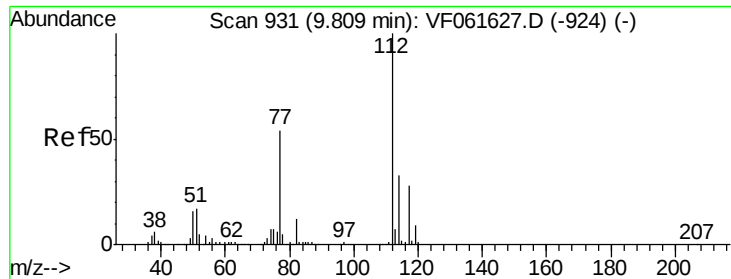
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#64
Tetrachloroethene
Concen: 20.780 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	103.9	155.9
129	89.3	71.3	106.9
131	84.6	67.1	100.7





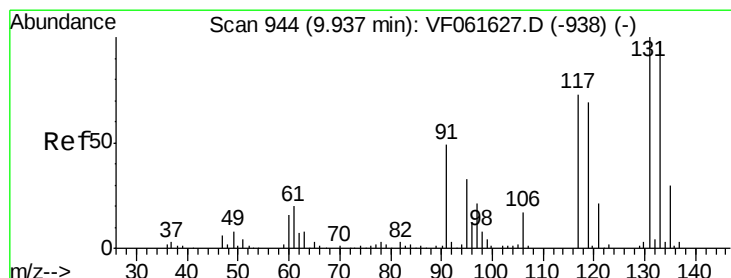
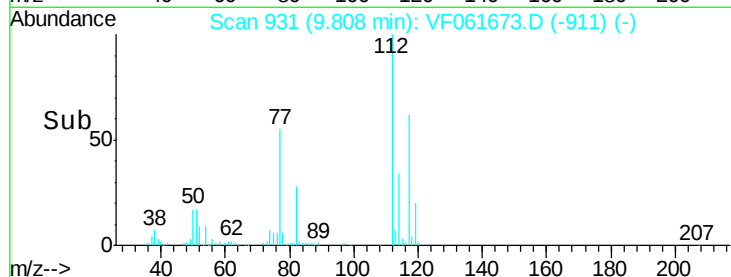
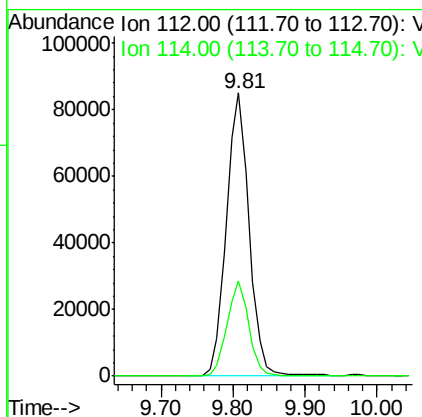
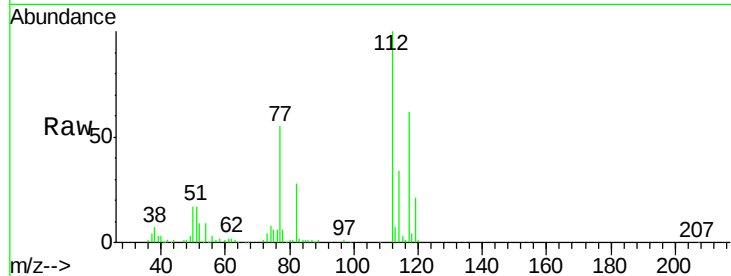
#65
Chlorobenzene
Concen: 20.856 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBS01

Tot Ion:112 Resp: 187067
Ion Ratio Lower Upper
112 100
114 33.6 26.2 39.2

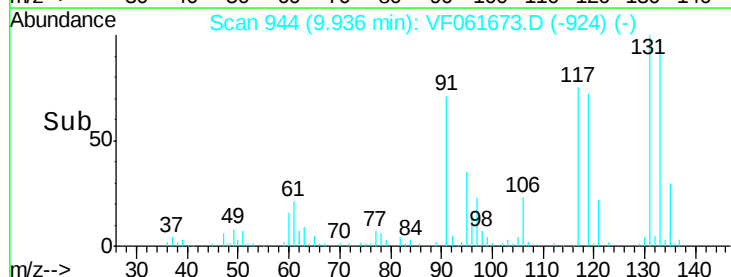
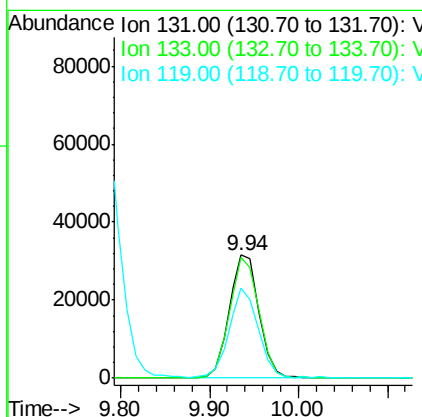
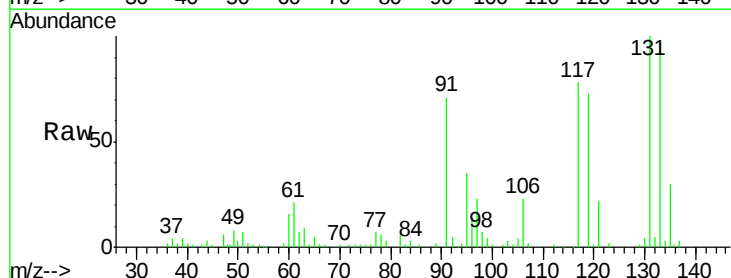
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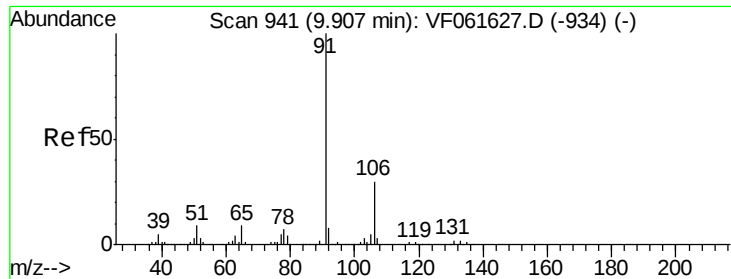
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.114 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion:131 Resp: 74210
Ion Ratio Lower Upper
131 100
133 98.3 48.9 146.6
119 72.8 34.8 104.3





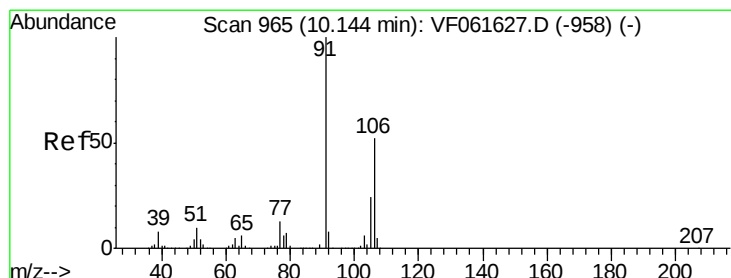
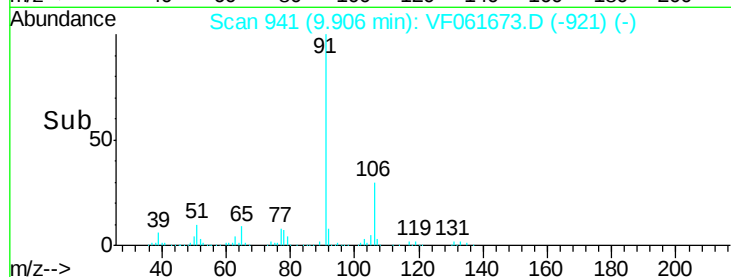
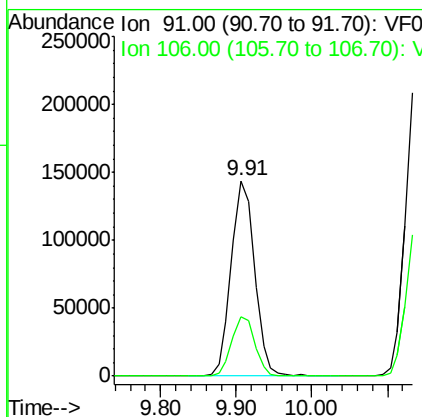
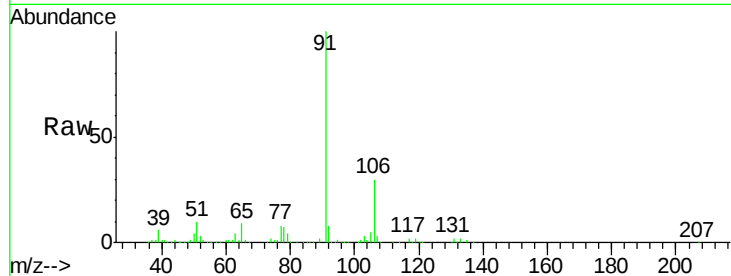
#67
Ethyl Benzene
Concen: 20.878 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBS01

Tot Ion: 91 Resp: 311420
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1

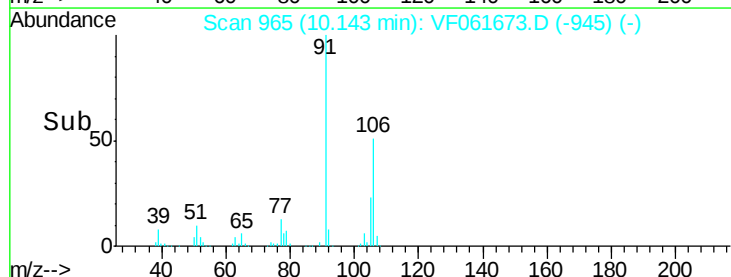
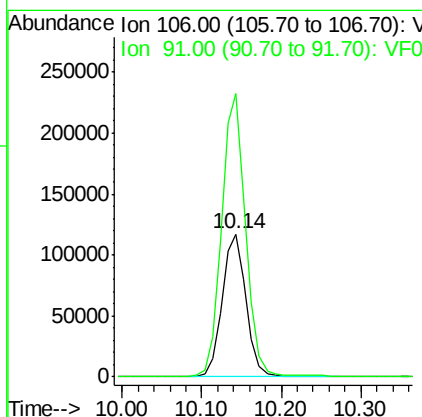
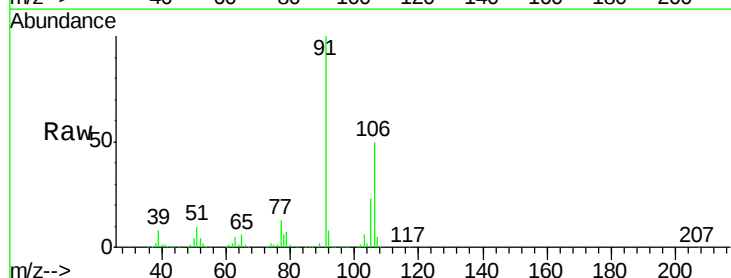
Manual Integrations
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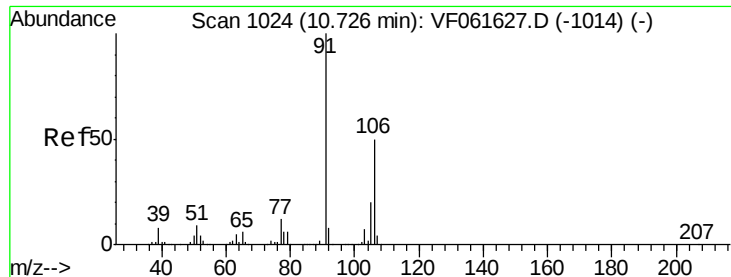
MMDadoda
2/19/2019 12:29:21 PM



#68
m/p-Xylenes
Concen: 43.131 ug/l
RT: 10.14 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion: 106 Resp: 246213
Ion Ratio Lower Upper
106 100
91 198.2 153.0 229.6





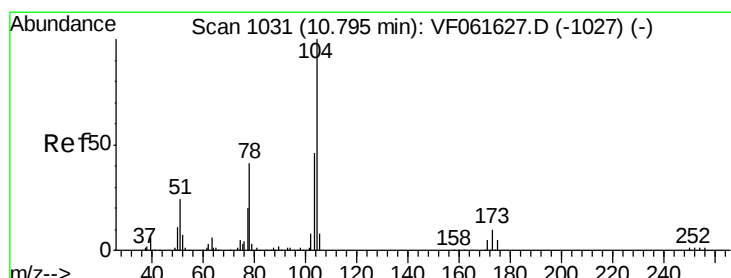
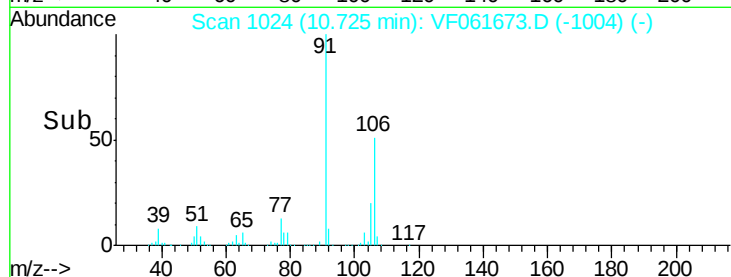
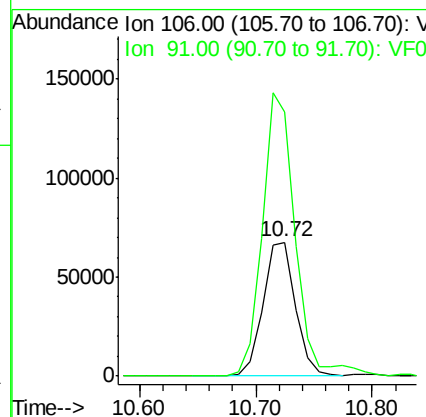
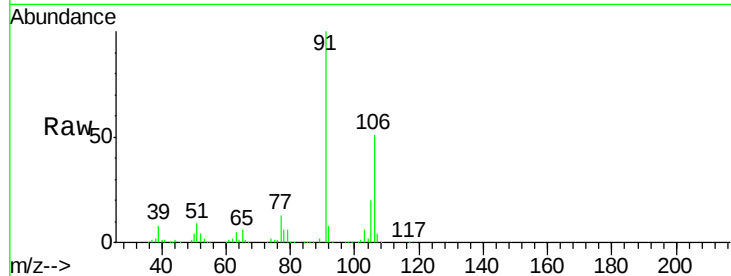
#69
o-Xylene
Concen: 21.454 ug/l
RT: 10.72 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	196.8	100.1	300.1

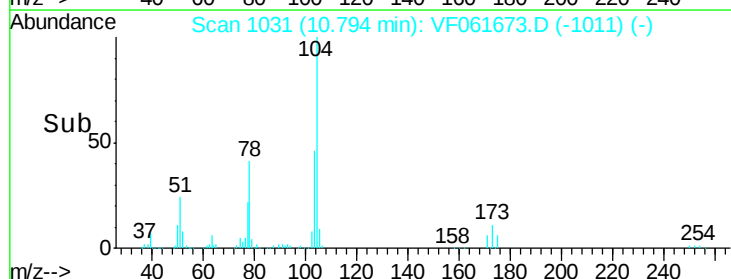
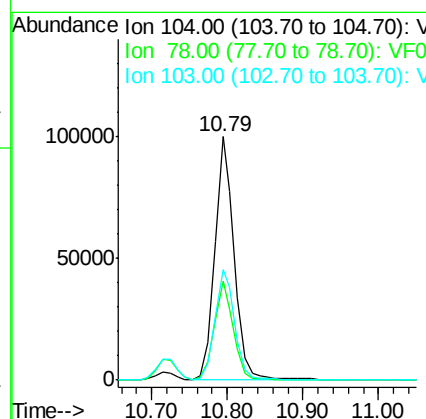
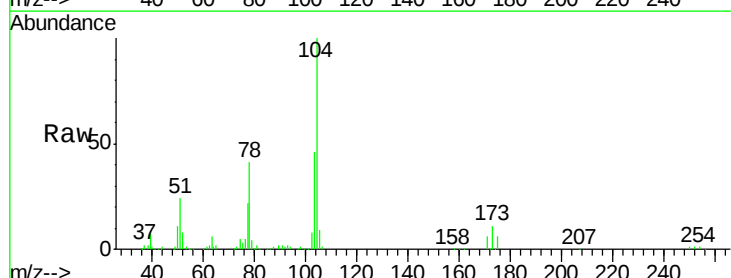
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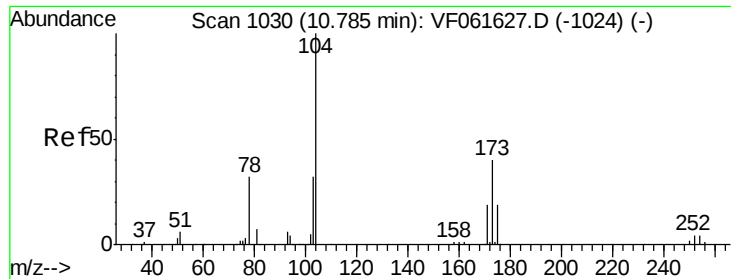
MMDadoda
2/19/2019 12:29:21 PM



#70
Styrene
Concen: 20.799 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.9	33.2	49.8
103	45.6	37.2	55.8





#71

Bromoform

Concen: 19.564 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

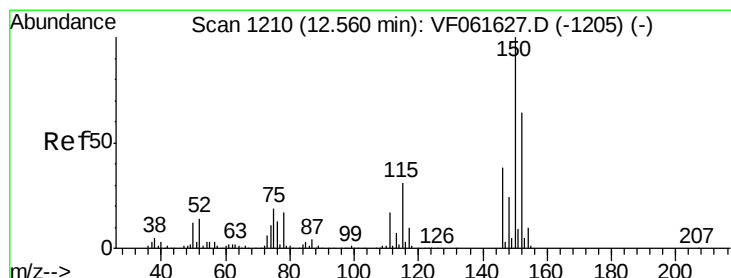
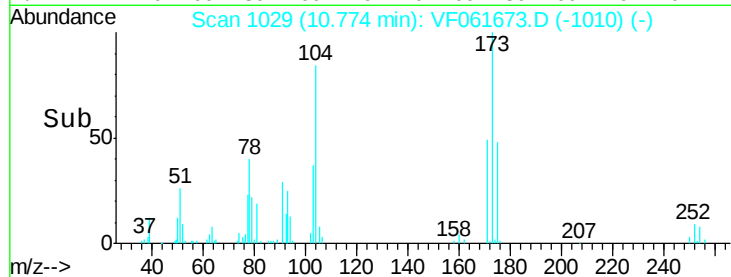
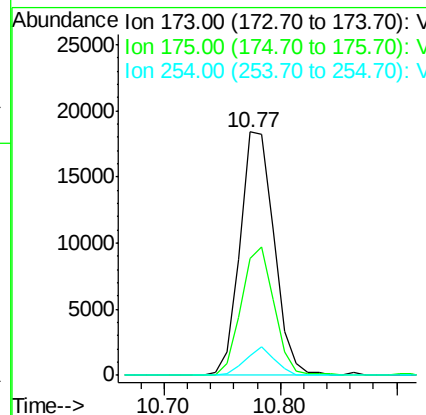
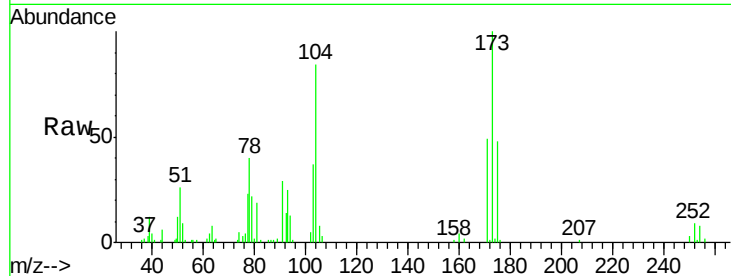
ClientSampleId :

VF0218SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.0	72.0
254	8.1	8.2	12.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

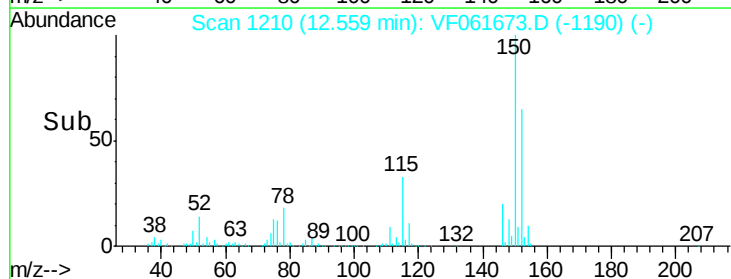
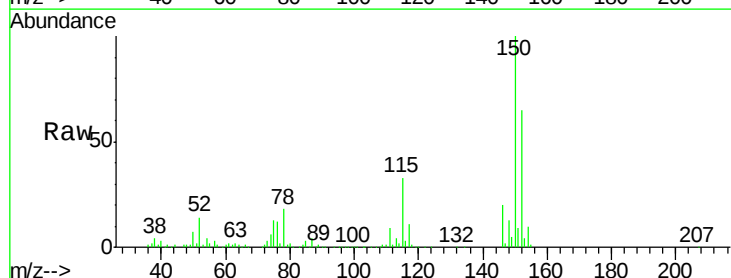
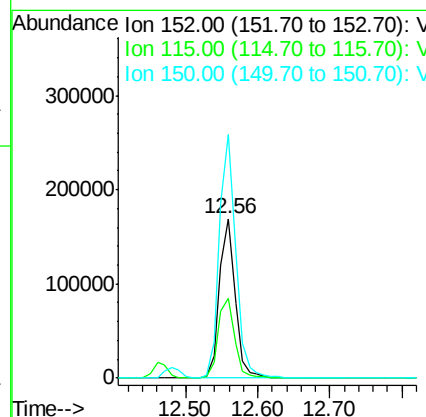
RT: 12.56 min Scan# 1210

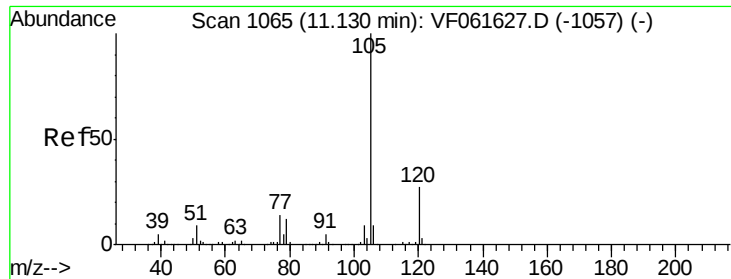
Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.3	24.3	72.8
150	153.0	0.0	312.0





#73

Isopropylbenzene

Concen: 21.410 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBS01

Tot Ion:105 Resp: 387482

Ion Ratio Lower Upper

105 100

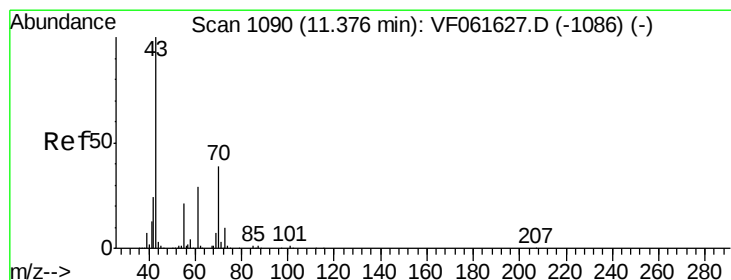
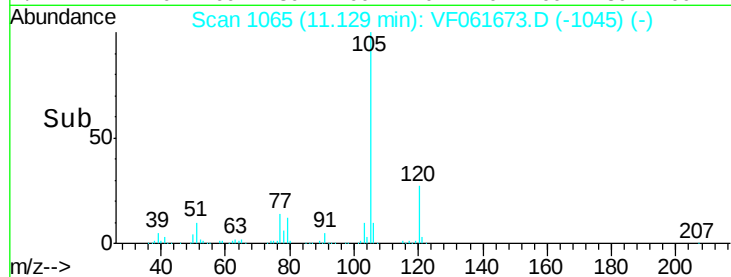
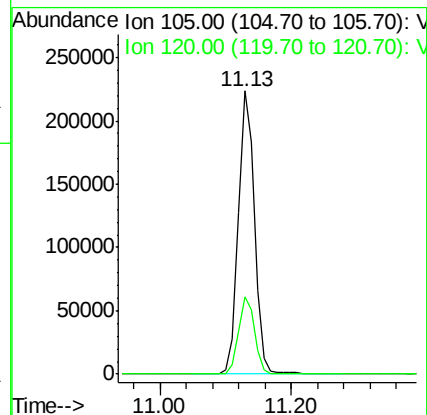
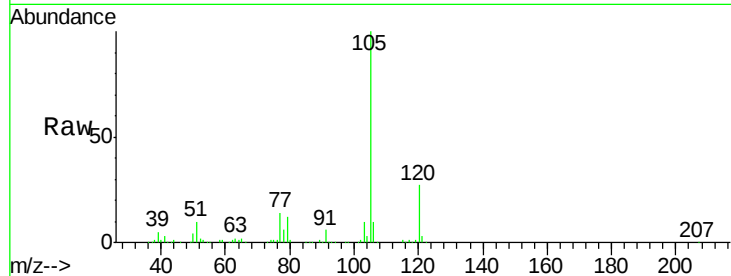
120 27.4 13.4 40.1

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#74

N-ethyl acetate

Concen: 20.654 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Tgt Ion: 43 Resp: 89720

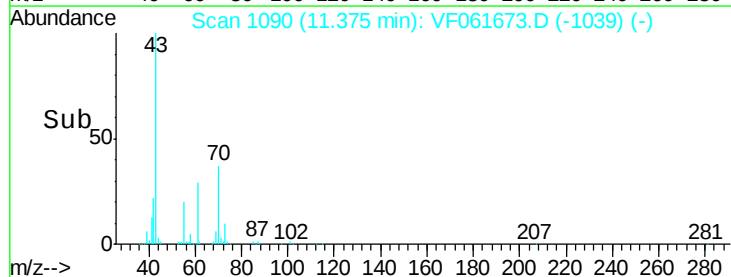
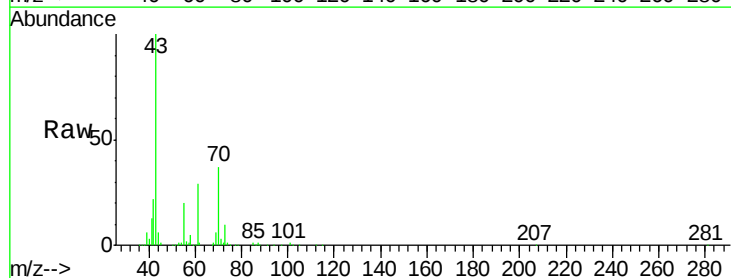
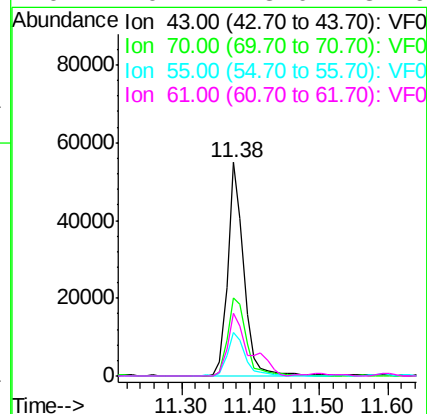
Ion Ratio Lower Upper

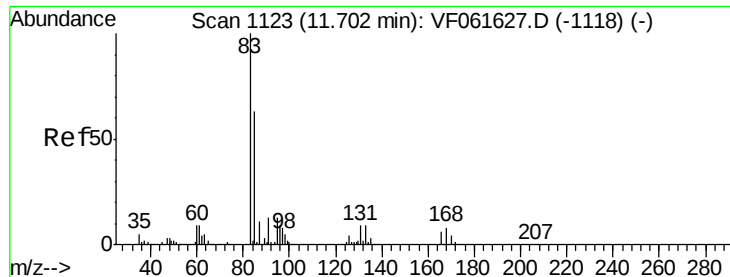
43 100

70 36.6 31.5 47.3

55 20.1 16.7 25.1

61 29.1 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.947 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

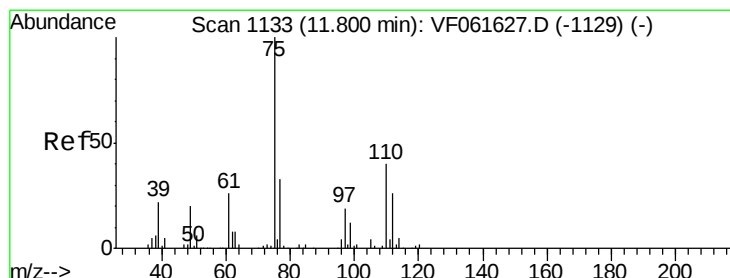
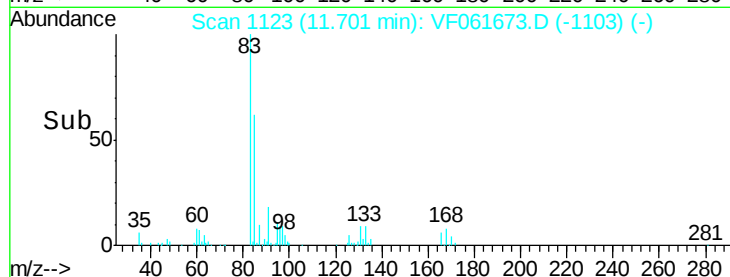
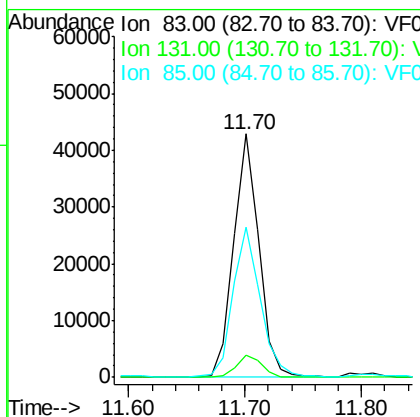
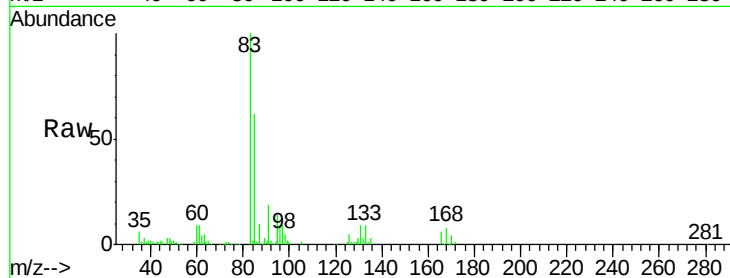
ClientSampleId :

VF0218SBS01

Tot Ion:	83	Resp:	64676
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.4	13.2
85	61.7	31.5	94.5

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#76

1,2,3-Trichloropropane

Concen: 18.794 ug/l

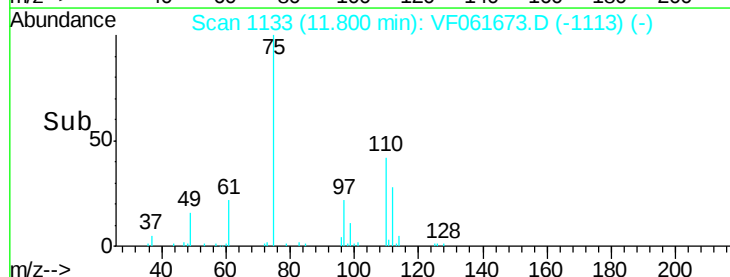
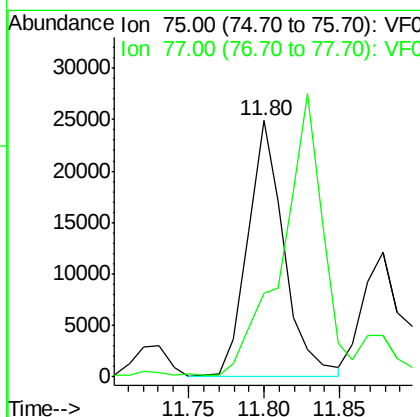
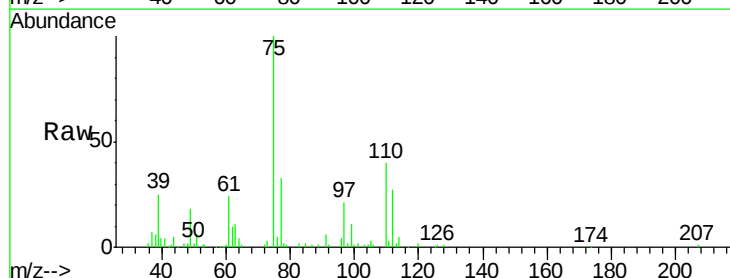
RT: 11.80 min Scan# 1133

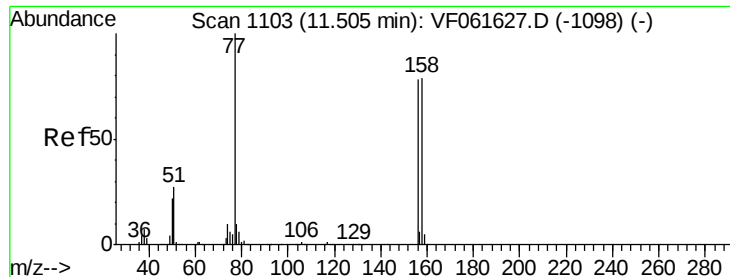
Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Tgt Ion:	75	Resp:	41429
Ion Ratio	Lower	Upper	
75	100		
77	32.5	16.6	49.7





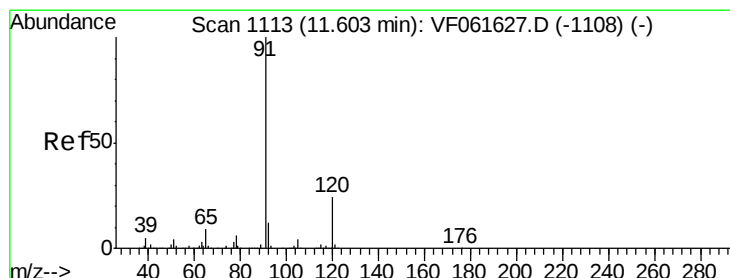
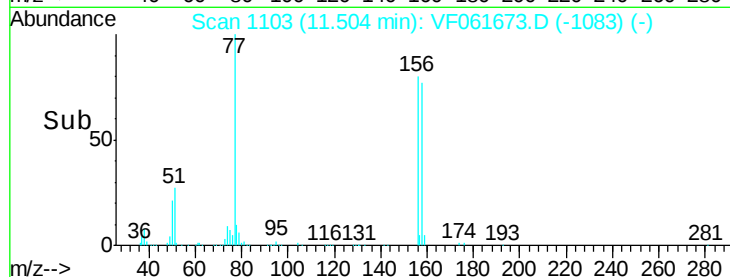
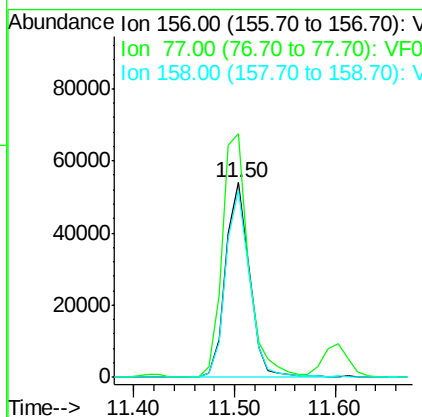
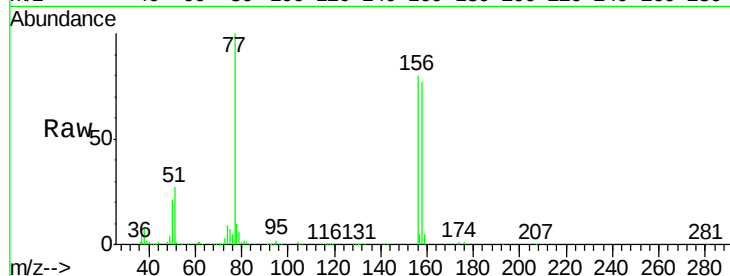
#77
Bromobenzene
Concen: 19.882 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	125.2	64.3	192.7
158	96.5	50.9	152.7

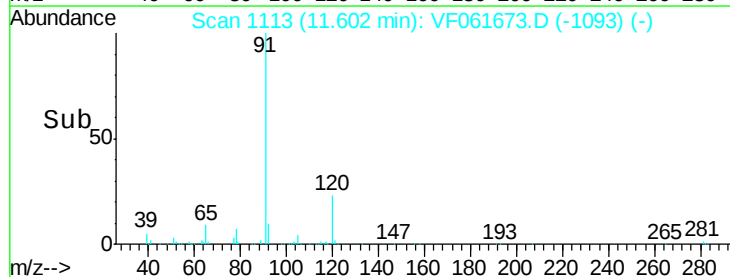
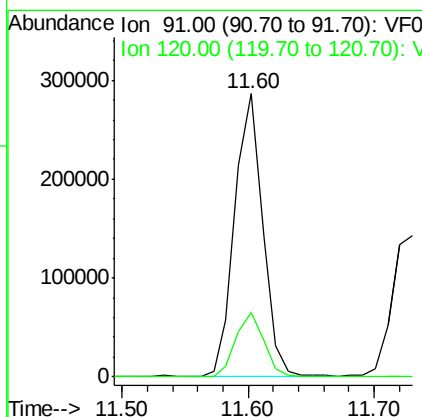
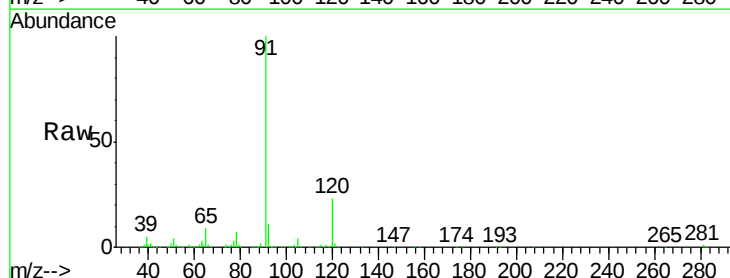
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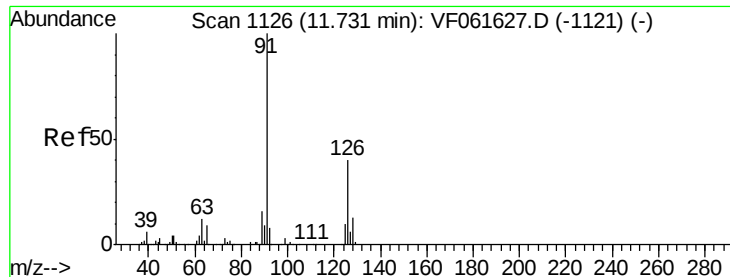
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#78
n-propylbenzene
Concen: 21.211 ug/l
RT: 11.60 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	12.1	36.3





#79

2-Chlorotoluene

Concen: 20.167 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBS01

Tot Ion: 91 Resp: 234570

Ion Ratio Lower Upper

91 100

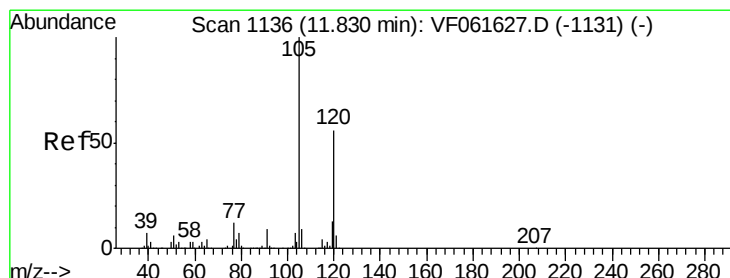
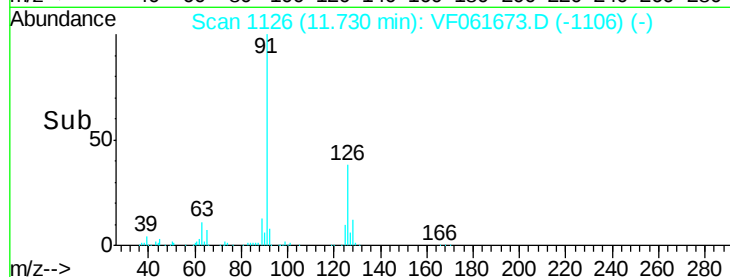
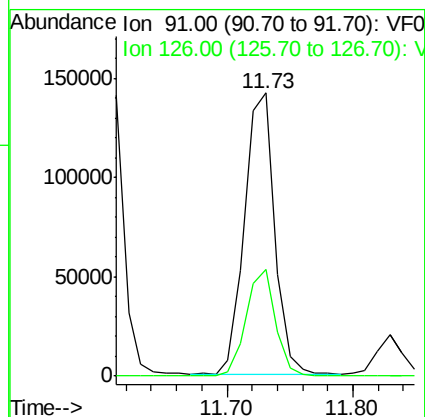
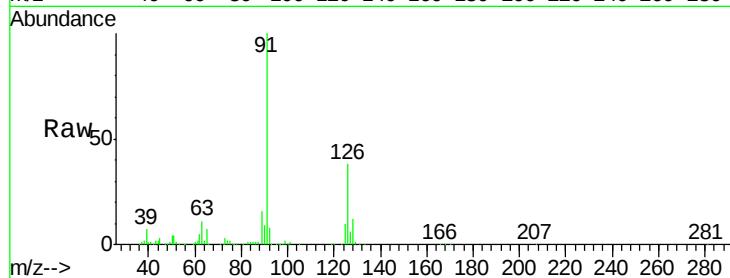
126 37.8 19.8 59.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.741 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF061673.D

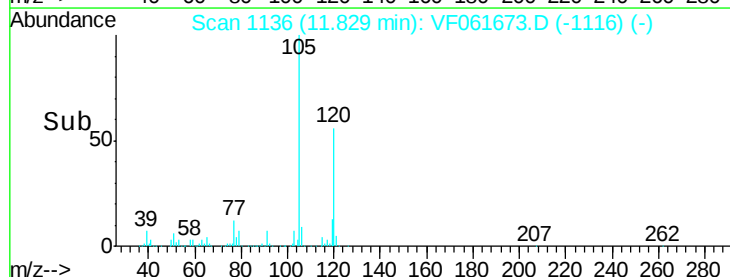
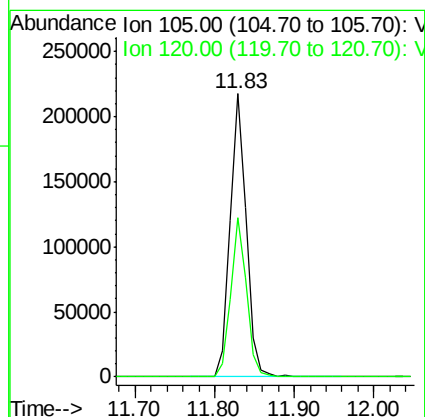
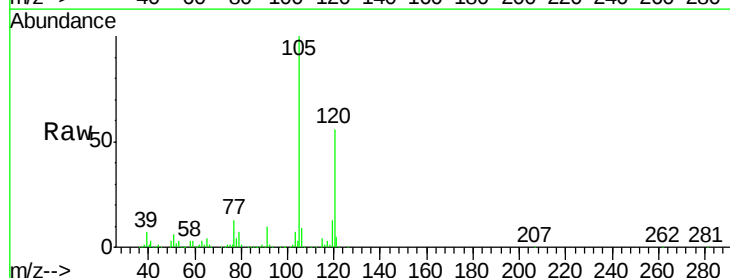
Acq: 18 Feb 2019 12:39

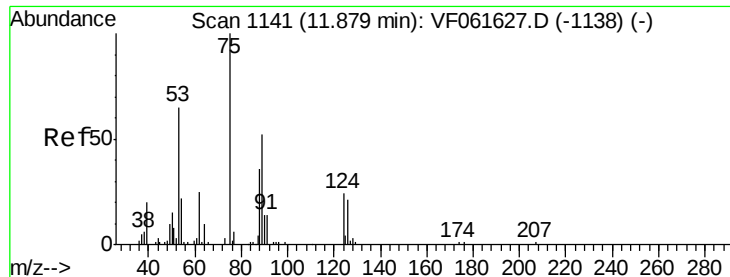
Tgt Ion: 105 Resp: 314475

Ion Ratio Lower Upper

105 100

120 56.1 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.976 ug/l m

RT: 11.88 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

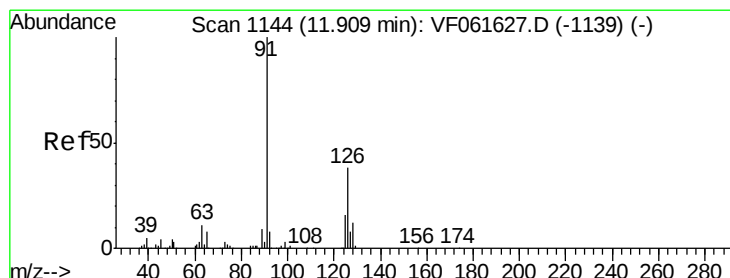
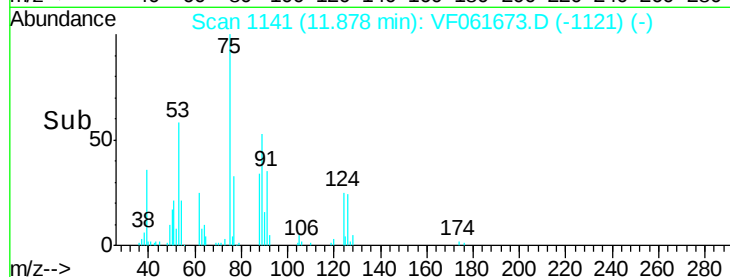
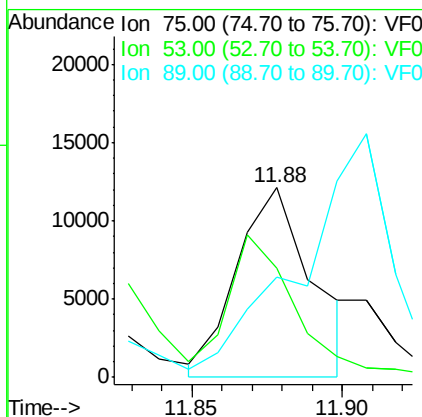
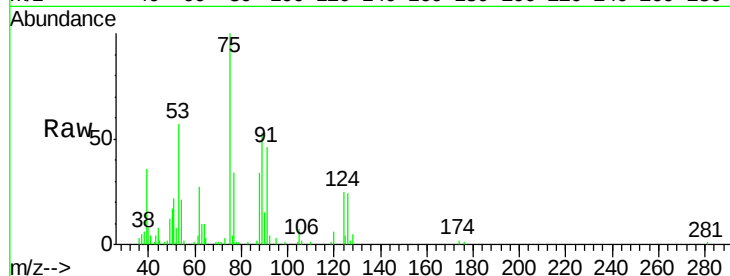
ClientSampleId :

VF0218SBS01

Tot Ion:	75	Resp:	21111
Ion Ratio	Lower	Upper	
75	100		
53	57.3	53.7	80.5
89	52.6	41.6	62.4

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#82

4-Chlorotoluene

Concen: 20.722 ug/l

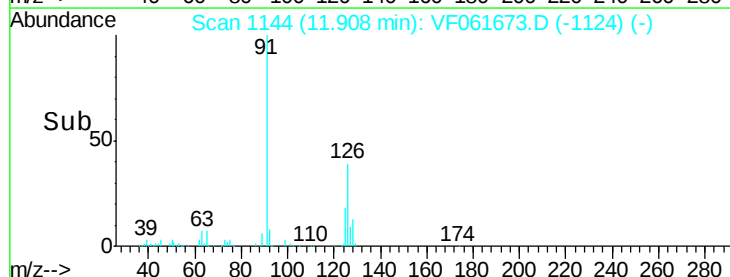
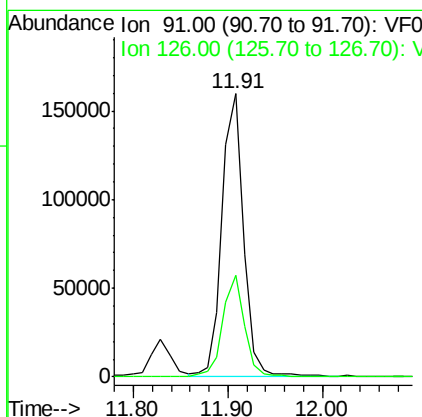
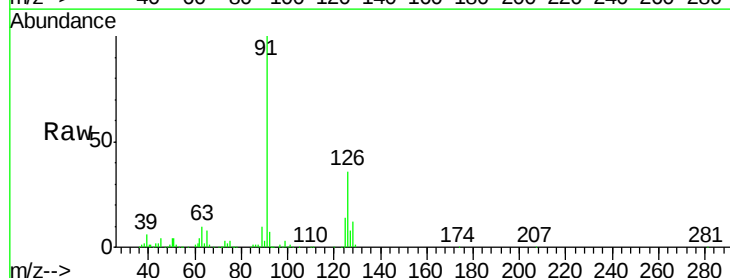
RT: 11.91 min Scan# 1144

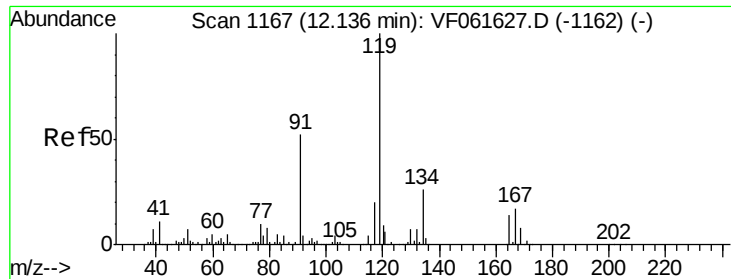
Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Tgt Ion:	91	Resp:	250162
Ion Ratio	Lower	Upper	
91	100		
126	36.1	19.1	57.1





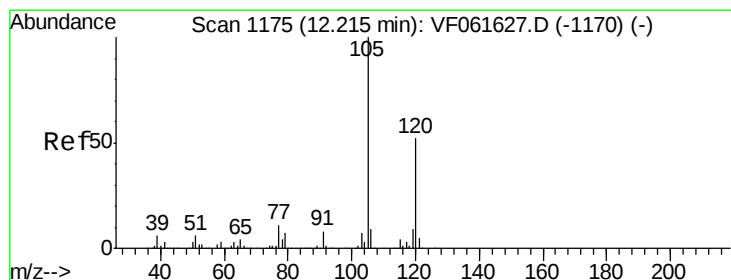
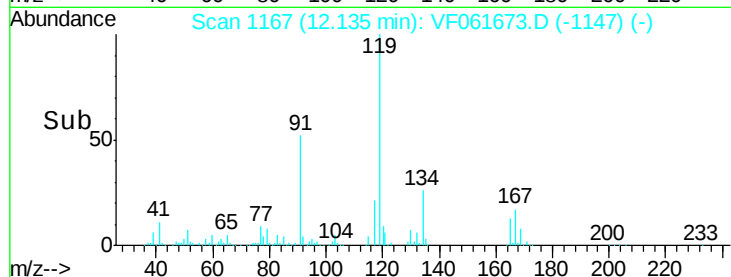
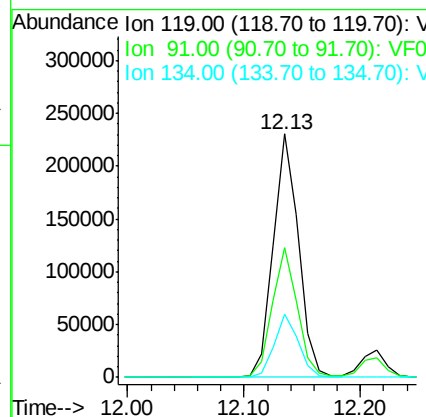
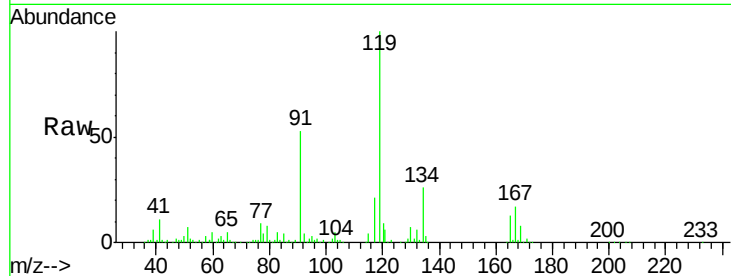
#83
 tert-Butylbenzene
 Concen: 21.578 ug/l
 RT: 12.13 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0218SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.3	26.3	78.8
134	25.9	12.9	38.7

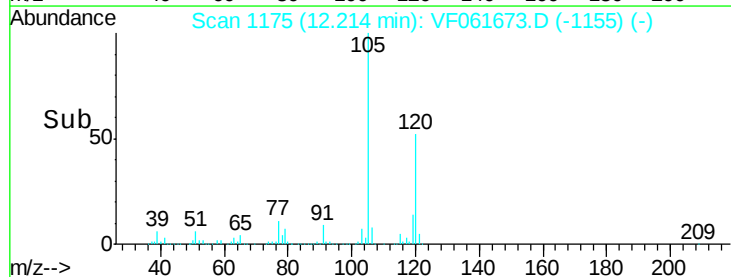
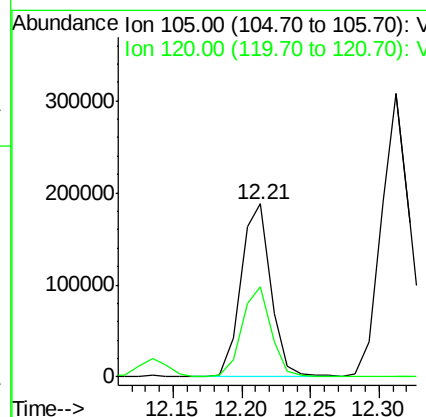
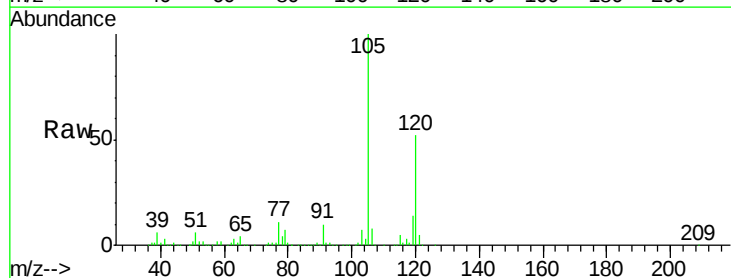
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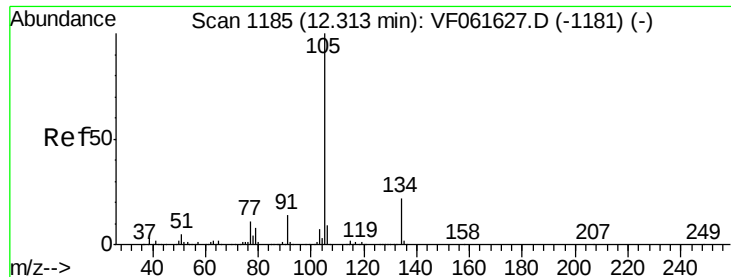
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.917 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.0	26.1	78.3





#85

sec-Butylbenzene

Concen: 21.404 ug/l

RT: 12.31 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0218SBSD01

Tot Ion:105 Resp: 443448

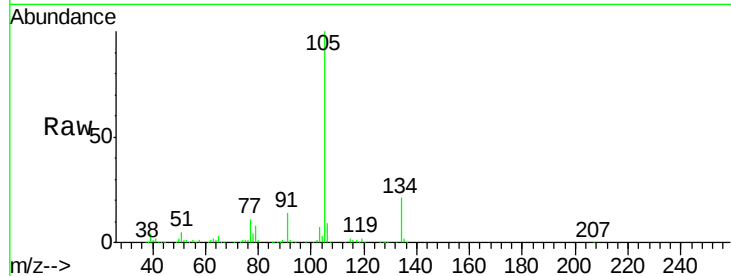
Ion Ratio Lower Upper

105 100

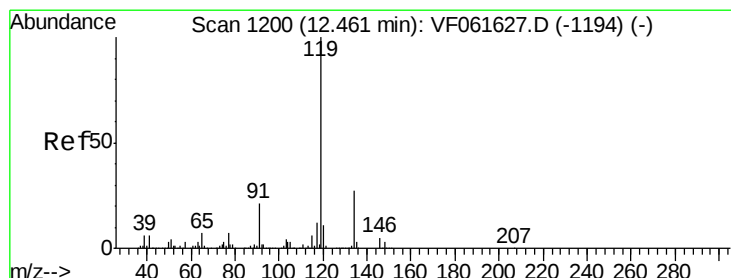
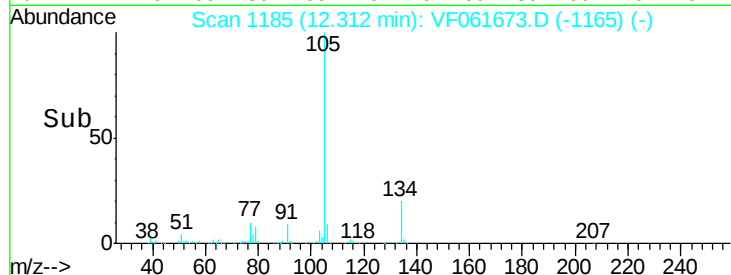
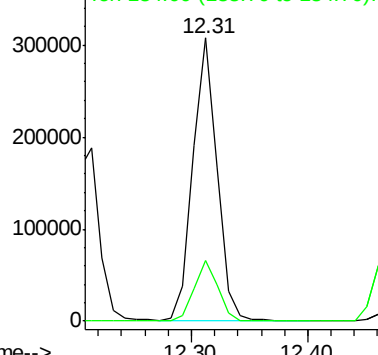
134 21.2 10.8 32.4

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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: 21.927 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061673.D

Acq: 18 Feb 2019 12:39

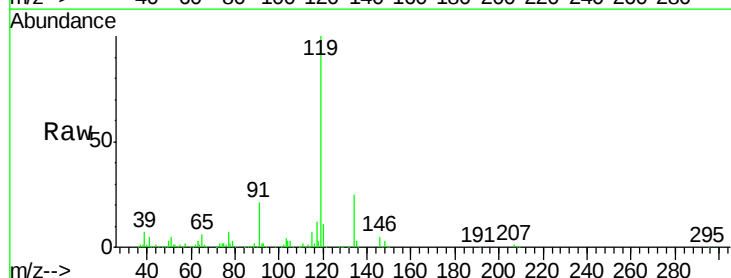
Tgt Ion:119 Resp: 381247

Ion Ratio Lower Upper

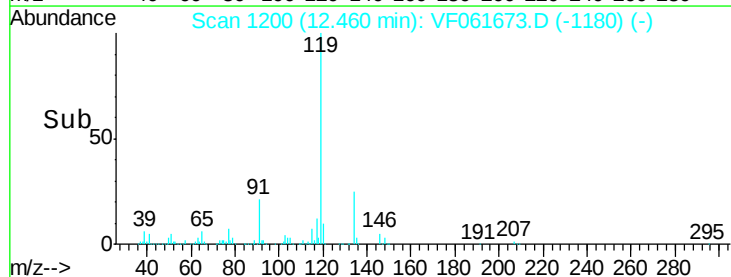
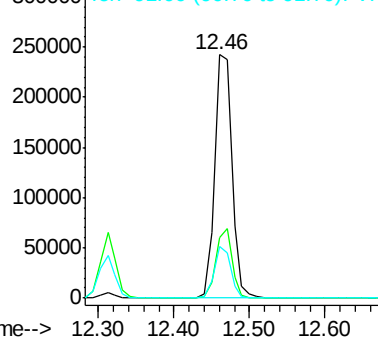
119 100

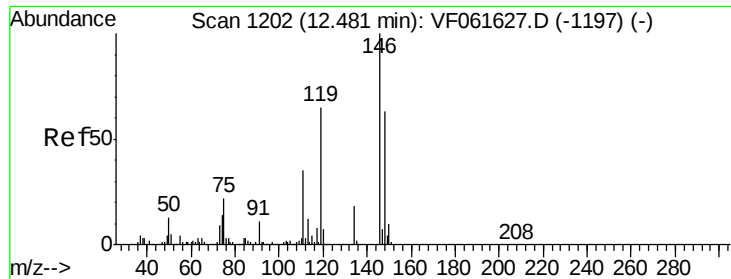
134 24.8 13.7 41.1

91 21.2 10.8 32.4



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): V





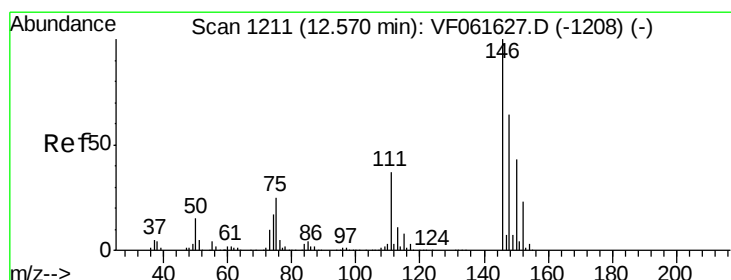
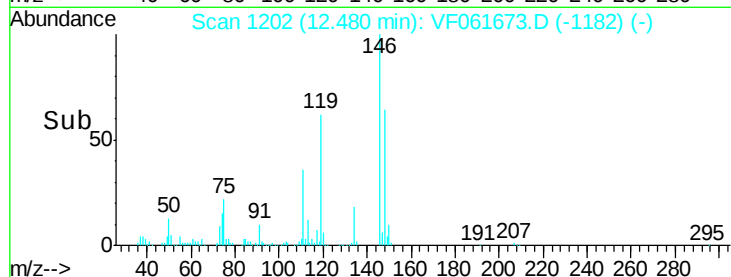
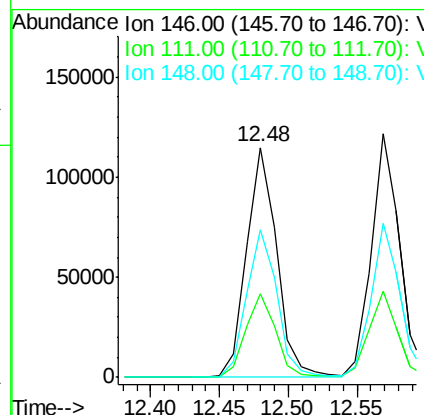
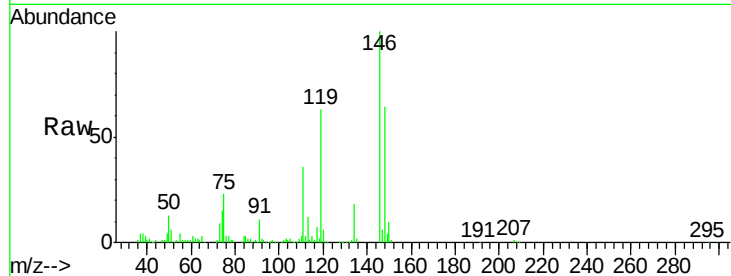
#87
 1,3-Dichlorobenzene
 Concen: 20.275 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0218SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.5	52.6
148	64.2	31.4	94.3

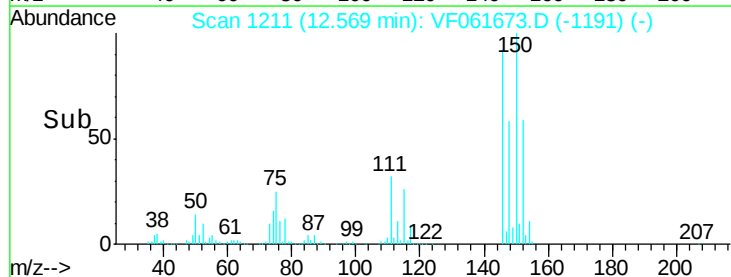
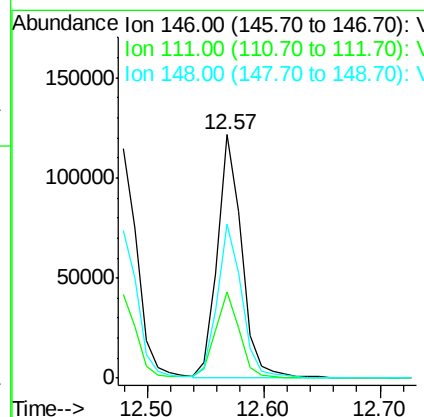
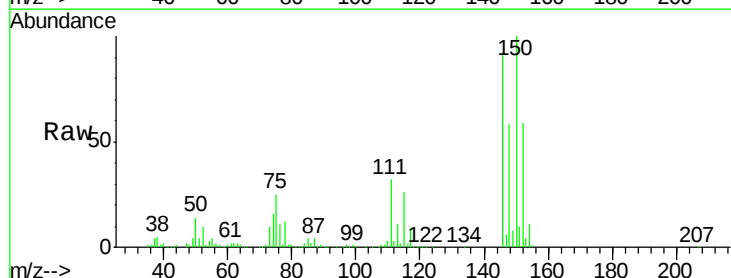
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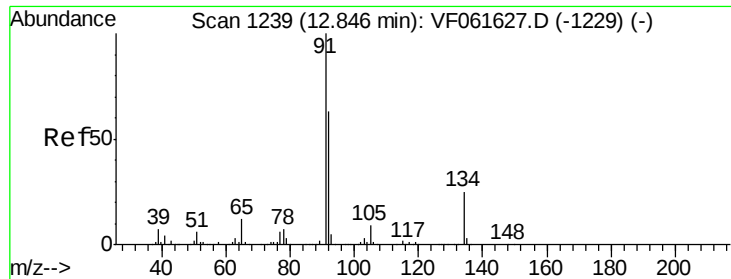
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#88
 1,4-Dichlorobenzene
 Concen: 21.014 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.4	55.4
148	63.0	32.2	96.6





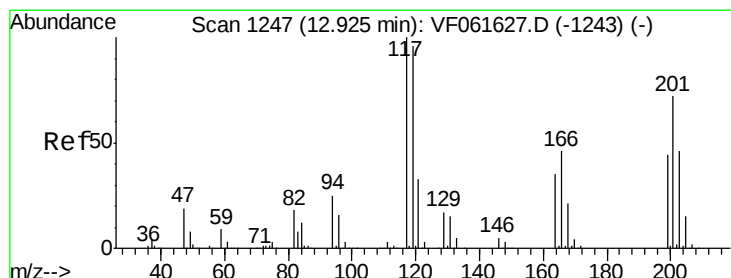
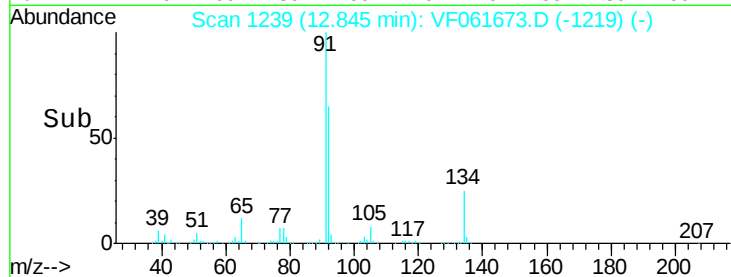
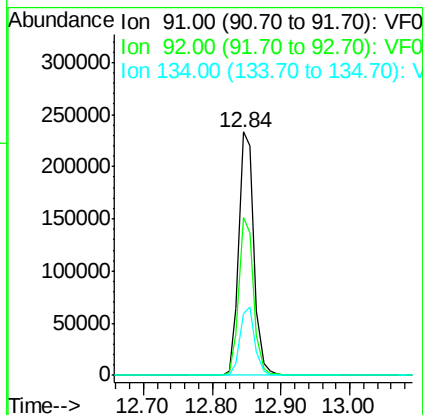
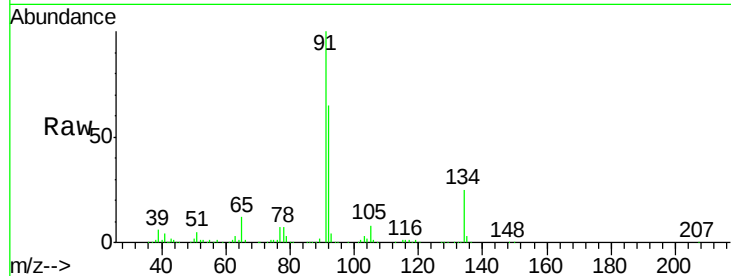
#89
n-Butylbenzene
Concen: 21.833 ug/l
RT: 12.84 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	64.6	31.4	94.3	
134	25.4	12.3	36.9	

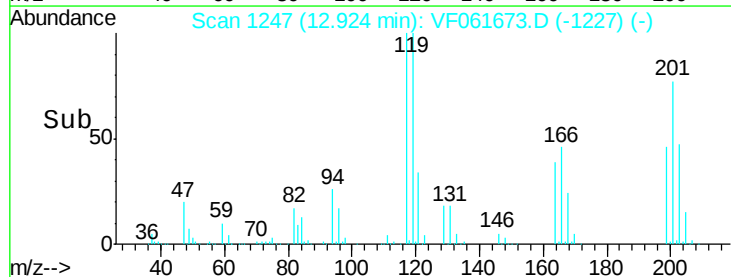
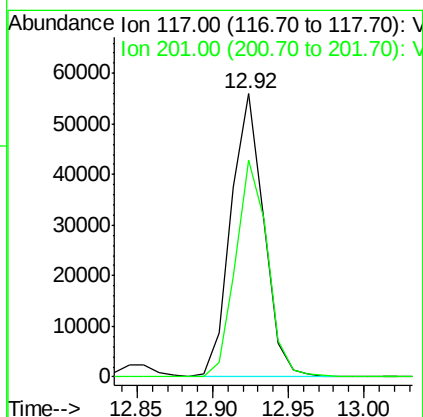
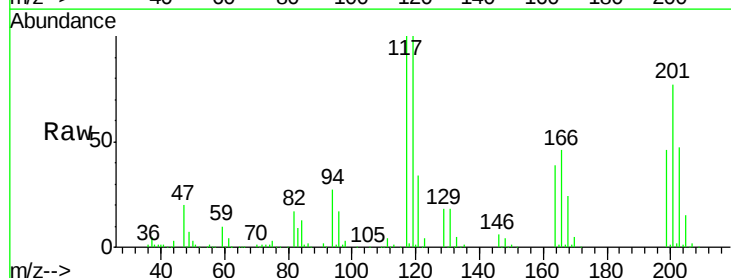
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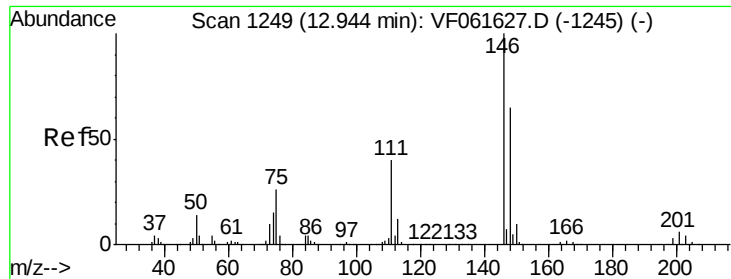
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#90
Hexachloroethane
Concen: 20.805 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.6	36.2	108.6	





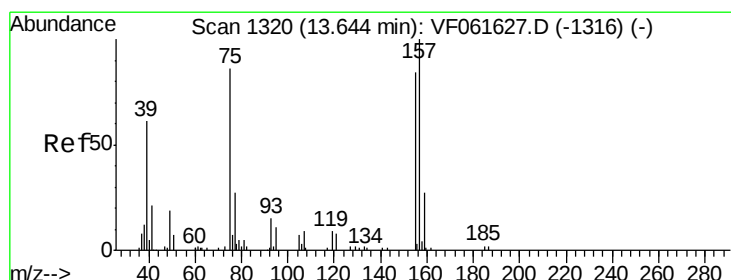
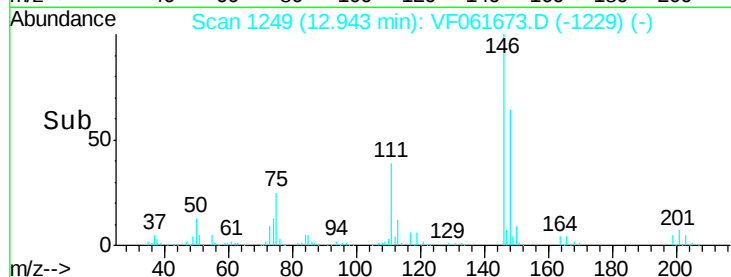
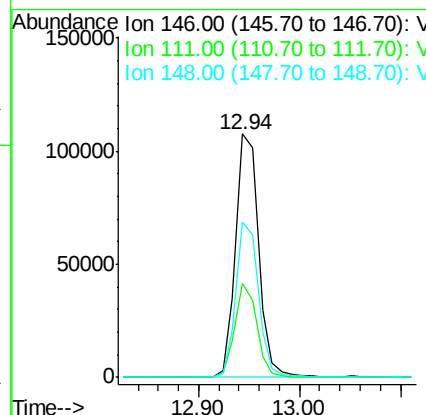
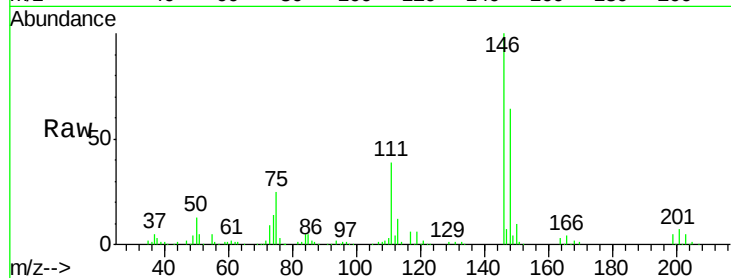
#91
 1,2-Dichlorobenzene
 Concen: 20.655 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0218SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.2	60.5
148	63.7	32.3	96.9

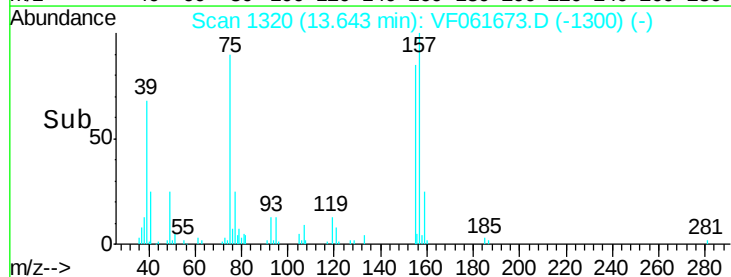
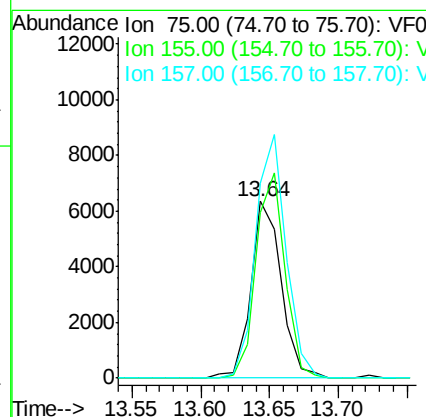
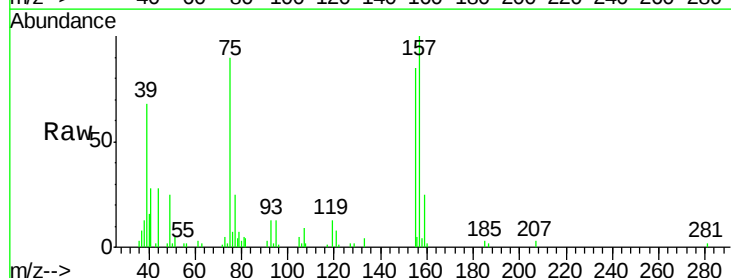
Manual Integrations
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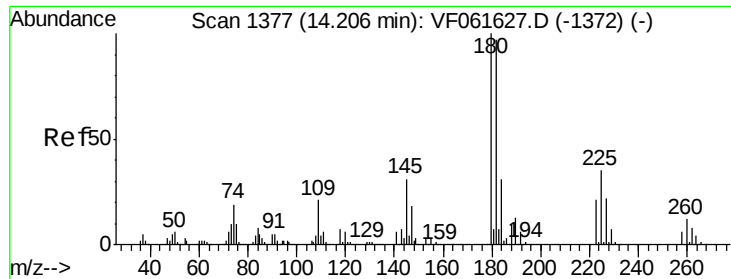
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.114 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	48.9	146.8
157	110.5	58.3	174.8





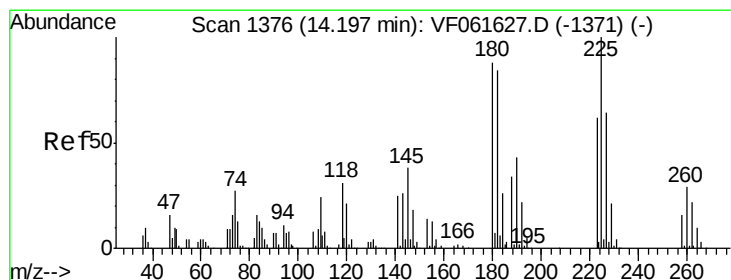
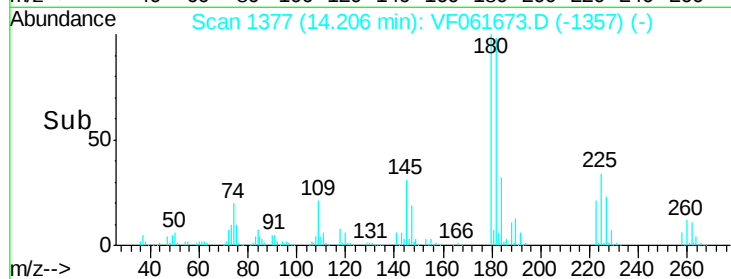
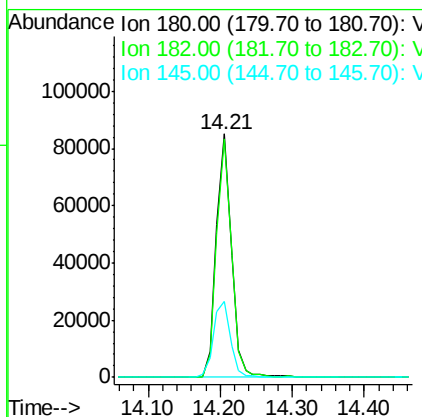
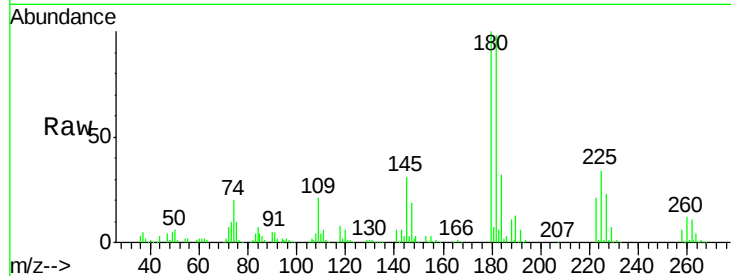
#93
 1,2,4-Trichlorobenzene
 Concen: 20.722 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123139		
182	98.2	48.6	145.9	
145	31.1	15.3	45.9	

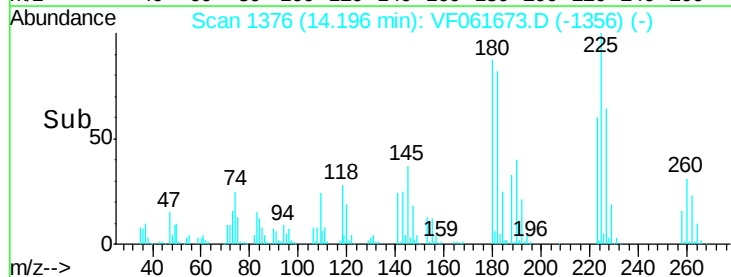
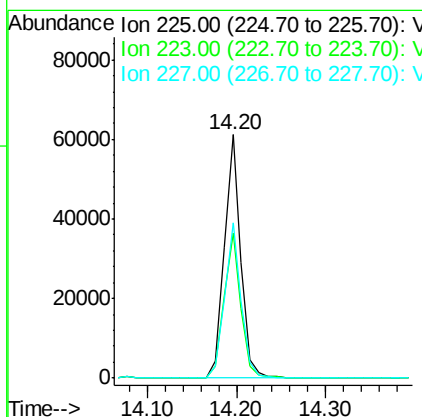
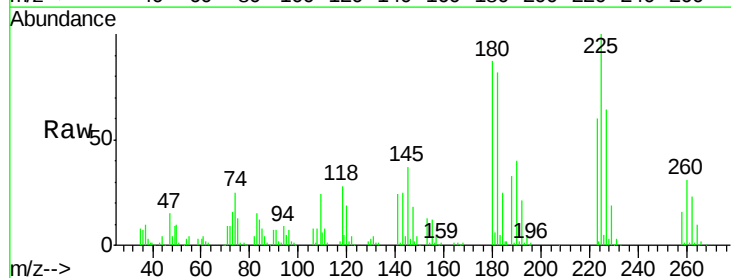
Manual Integrations
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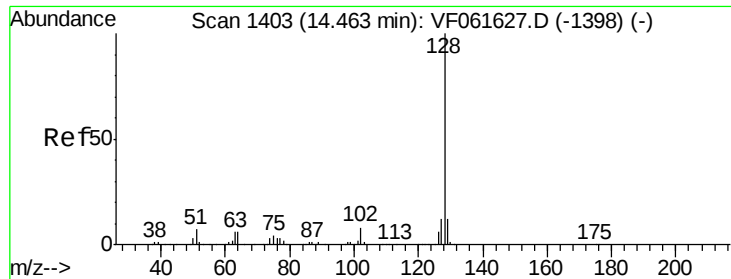
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#94
 Hexachlorobutadiene
 Concen: 21.842 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061673.D
 Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80161		
223	59.7	30.9	92.7	
227	64.0	32.1	96.3	





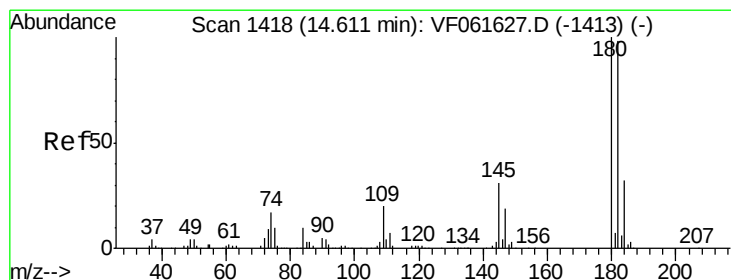
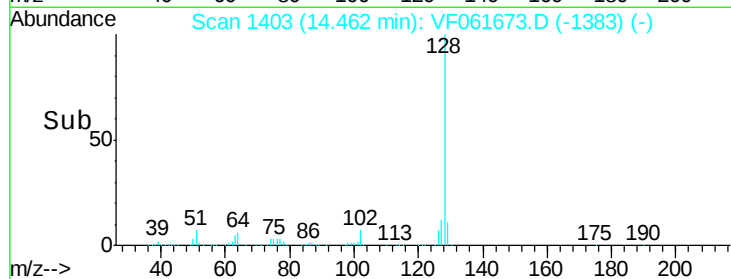
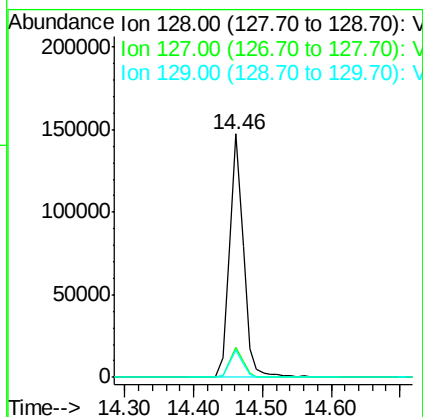
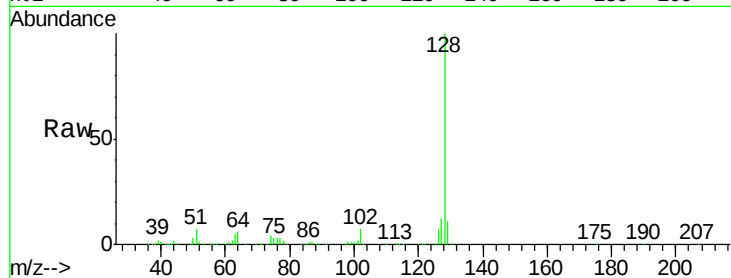
#95
Naphthalene
Concen: 19.907 ug/l
RT: 14.46 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0218SBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.1	9.8	14.6
129	11.1	9.4	14.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.376 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF061673.D
Acq: 18 Feb 2019 12:39

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.1	49.0	147.2
145	30.2	15.4	46.1

