

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061295.D
 Acq On : 9 Jan 2019 12:21
 Operator : VA/AP
 Sample : VF0109SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 2:02:36 PM

Quant Time: Jan 10 06:34:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	201205	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	338433	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	330251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	165004	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	111251	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	4.13	113	142647	55.09	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.18%	
50) Toluene-d8	7.58	98	400242	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	11.42	95	174285	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	73706	19.859	ug/l	95
3) Chloromethane	1.10	50	67071	20.280	ug/l	96
4) Vinyl Chloride	1.14	62	62972	21.318	ug/l	97
5) Bromomethane	1.30	94	42599	19.039	ug/l	84
6) Chloroethane	1.37	64	28167	19.527	ug/l	90
7) Trichlorofluoromethane	1.46	101	99250	19.820	ug/l	98
8) Diethyl Ether	1.64	74	15178	20.641	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	56829	21.493	ug/l	97
10) Methyl Iodide	1.85	142	89360	21.572	ug/l	96
11) Tert butyl alcohol	2.57	59	9486	105.792	ug/l	99
12) 1,1-Dichloroethene	1.77	96	45580	21.557	ug/l	88
13) Acrolein	2.01	56	11561	106.393	ug/l	97
14) Allyl chloride	2.11	41	83869	21.701	ug/l	95
15) Acrylonitrile	2.96	53	35627	112.082	ug/l	89
16) Acetone	2.25	43	64449	123.710	ug/l #	89
17) Carbon Disulfide	1.78	76	153496	21.979	ug/l	97
18) Methyl Acetate	2.36	43	19635m	19.156	ug/l	
19) Methyl tert-butyl Ether	2.44	73	86889	21.565	ug/l	97
20) Methylene Chloride	2.19	84	49774	22.583	ug/l	94
21) trans-1,2-Dichloroethene	2.32	96	47165	21.051	ug/l	97
22) Diisopropyl ether	2.81	45	161155	21.554	ug/l	99
23) Vinyl Acetate	3.21	43	247351	113.122	ug/l	99
24) 1,1-Dichloroethane	2.89	63	94216	21.784	ug/l	99
25) 2-Butanone	4.35	43	91167	108.727	ug/l	98
26) 2,2-Dichloropropane	3.62	77	63586	22.001	ug/l	91
27) cis-1,2-Dichloroethene	3.49	96	65684	20.998	ug/l	95
28) Bromochloromethane	3.74	49	41244	21.628	ug/l	99
29) Tetrahydrofuran	4.09	42	42923	122.433	ug/l	94
30) Chloroform	3.89	83	114284	20.815	ug/l	98
31) Cyclohexane	3.72	56	102045	22.490	ug/l	99
32) 1,1,1-Trichloroethane	4.11	97	97825	22.059	ug/l	91
36) 1,1-Dichloropropene	4.30	75	82784	20.947	ug/l	97
37) Ethyl Acetate	4.13	43	34856	24.219	ug/l #	77
38) Carbon Tetrachloride	4.01	117	83951	22.429	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	112980	22.847	ug/l	98
40) Benzene	4.66	78	203774	22.085	ug/l	99
41) Methacrylonitrile	4.76	41	17513	21.790	ug/l	96
42) 1,2-Dichloroethane	4.96	62	59539	20.727	ug/l	96
43) Isopropyl Acetate	6.97	43	43193	22.732	ug/l #	94
44) Trichloroethene	5.52	130	55596	20.589	ug/l	86
45) 1,2-Dichloropropane	6.25	63	50055	21.333	ug/l	99
46) Dibromomethane	6.11	93	29925	20.772	ug/l	93
47) Bromodichloromethane	6.40	83	77556	21.646	ug/l #	97
48) Methyl methacrylate	6.74	41	27788	22.531	ug/l	94
49) 1,4-Dioxane	6.73	88	3276	420.964	ug/l	95
51) 4-Methyl-2-Pentanone	8.28	43	156830	109.352	ug/l	95
52) Toluene	7.64	92	120107	20.252	ug/l	100
53) t-1,3-Dichloropropene	8.30	75	60536	21.515	ug/l	99
54) cis-1,3-Dichloropropene	7.32	75	83732	22.444	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	36028	21.710	ug/l	95
56) Ethyl methacrylate	8.64	69	40869	22.035	ug/l	95
57) 1,3-Dichloropropane	8.88	76	63716	21.694	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.32	63	8413	106.439	ug/l #	65
59) 2-Hexanone	9.51	43	122715	120.777	ug/l	99
60) Dibromochloromethane	8.74	129	46421	21.007	ug/l	91
61) 1,2-Dibromoethane	9.01	107	35992	21.276	ug/l	99
64) Tetrachloroethene	8.18	164	48177	20.036	ug/l	92
65) Chlorobenzene	9.82	112	143432	21.508	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	55401	20.359	ug/l	92
67) Ethyl Benzene	9.92	91	271227	21.094	ug/l	95
68) m/p-Xylenes	10.15	106	193657	43.177	ug/l	99
69) o-Xylene	10.73	106	106229	21.202	ug/l	99
70) Styrene	10.80	104	144484	21.647	ug/l	96
71) Bromoform	10.79	173	23154	20.820	ug/l #	98
73) Isopropylbenzene	11.14	105	302067	20.804	ug/l	99
74) N-amyl acetate	11.38	43	72135	21.856	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	51017	22.161	ug/l	97
76) 1,2,3-Trichloropropane	11.81	75	34566	20.472	ug/l	97
77) Bromobenzene	11.51	156	60238	20.854	ug/l	96
78) n-propylbenzene	11.61	91	377864	21.827	ug/l	97
79) 2-Chlorotoluene	11.74	91	208295	21.596	ug/l	100
80) 1,3,5-Trimethylbenzene	11.84	105	251296	21.751	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	13067m	17.709	ug/l	
82) 4-Chlorotoluene	11.92	91	199152	20.320	ug/l	100
83) tert-Butylbenzene	12.14	119	242202	21.042	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	249427	21.745	ug/l	99
85) sec-Butylbenzene	12.32	105	344205	21.002	ug/l	98
86) p-Isopropyltoluene	12.47	119	276612	20.750	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	121055	21.460	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	114355	21.086	ug/l	97
89) n-Butylbenzene	12.85	91	305643	22.315	ug/l	93
90) Hexachloroethane	12.93	117	65324	21.422	ug/l	98
91) 1,2-Dichlorobenzene	12.95	146	116521	21.641	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8218	21.127	ug/l	56

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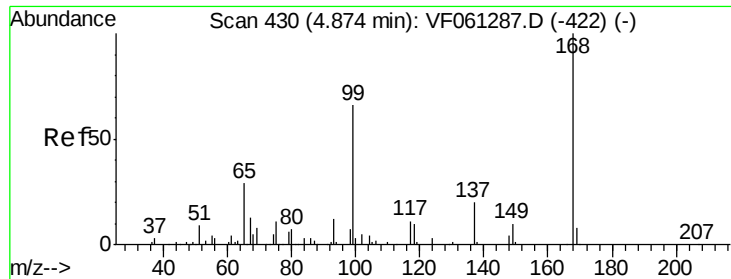
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	81039	21.872	ug/l	98
94) Hexachlorobutadiene	14.20	225	50900	21.339	ug/l	98
95) Naphthalene	14.47	128	139708	20.009	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	75354	21.590	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBS01

Tot Ion:168 Resp: 201205

Ion Ratio Lower Upper

168 100

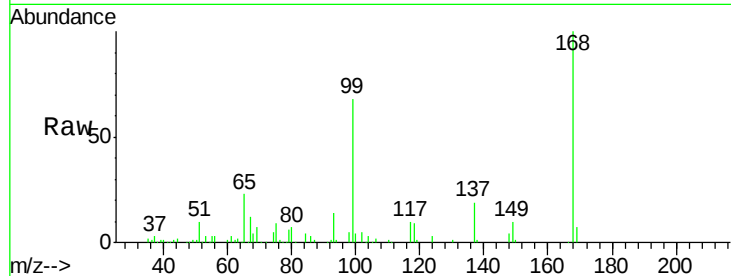
99 67.9 52.7 79.1

Manual Integrations

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1/10/2019 2:02:36 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

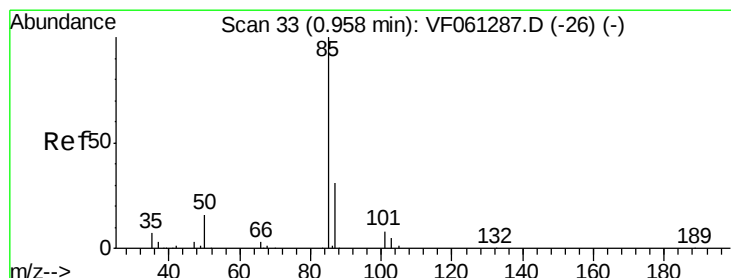
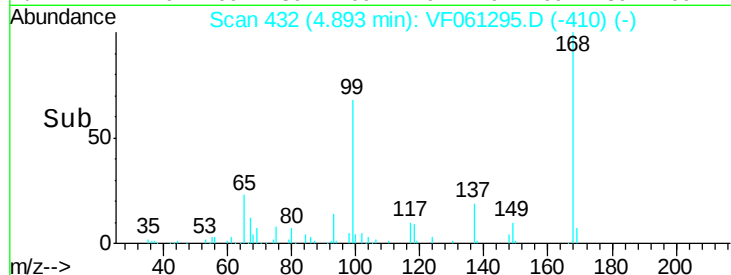
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 19.859 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061295.D

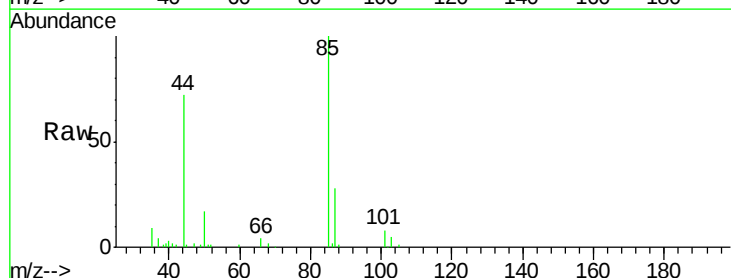
Acq: 9 Jan 2019 12:21

Tgt Ion: 85 Resp: 73706

Ion Ratio Lower Upper

85 100

87 28.0 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

30000

25000

20000

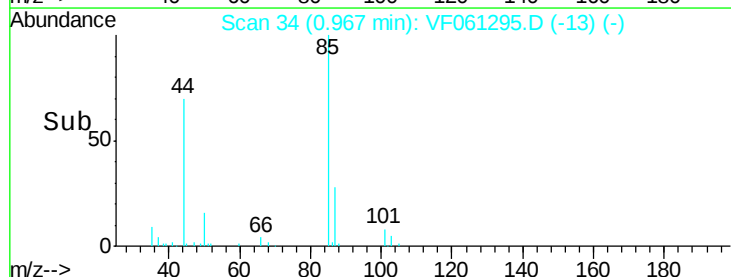
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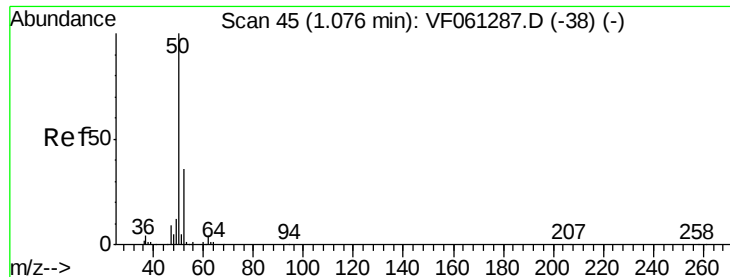
10000

5000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 20.280 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBS01

Tot Ion: 50 Resp: 67071

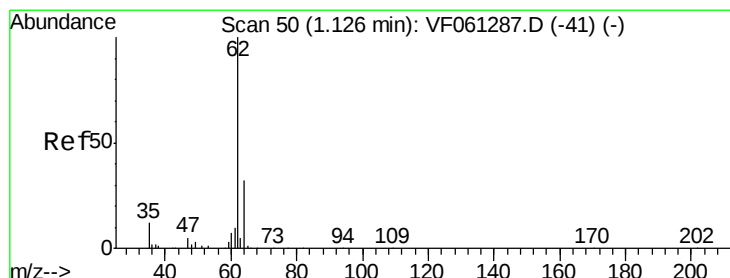
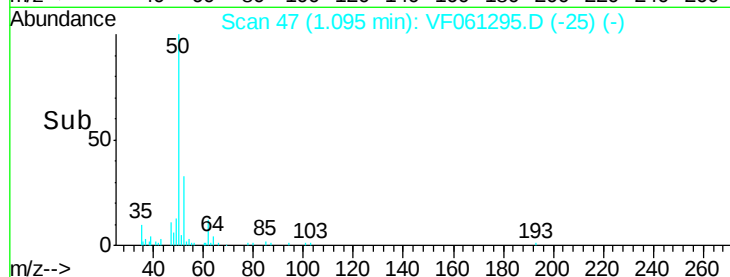
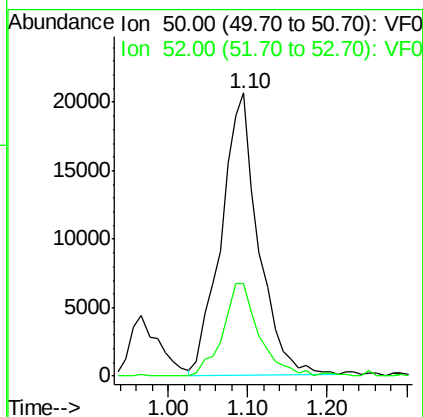
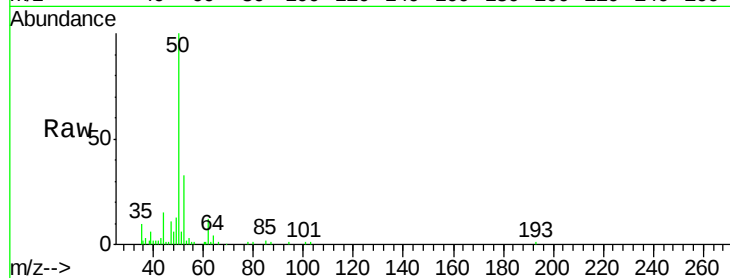
Ion Ratio Lower Upper

50 100

52 32.8 28.2 42.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.318 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.02 min

Lab File: VF061295.D

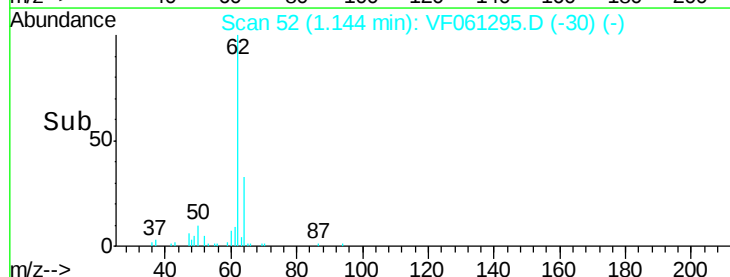
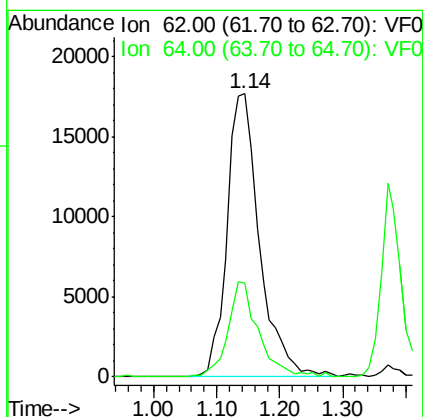
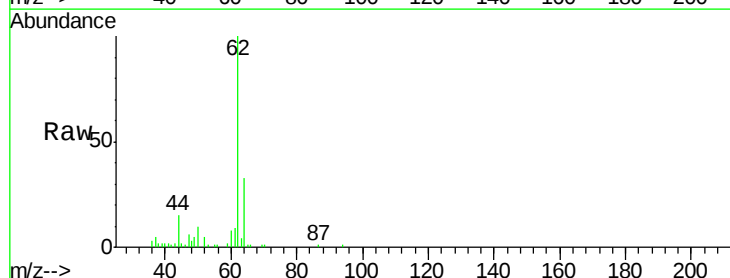
Acq: 9 Jan 2019 12:21

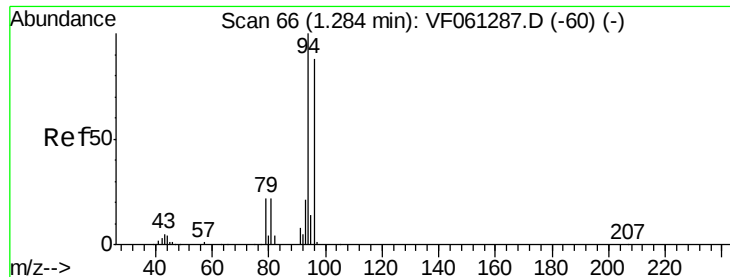
Tgt Ion: 62 Resp: 62972

Ion Ratio Lower Upper

62 100

64 33.1 25.4 38.0





#5

Bromomethane

Concen: 19.039 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBS01

Tot Ion: 94 Resp: 42599

Ion Ratio Lower Upper

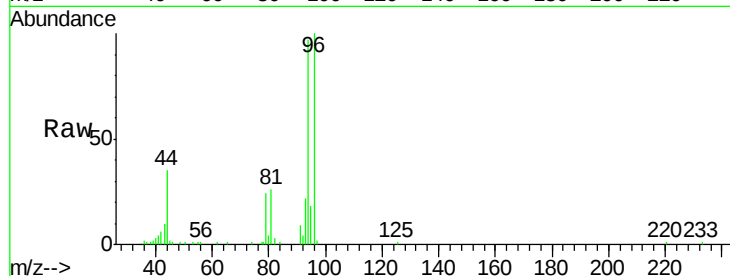
94 100

96 102.9 70.2 105.4

Manual Integrations
APPROVED

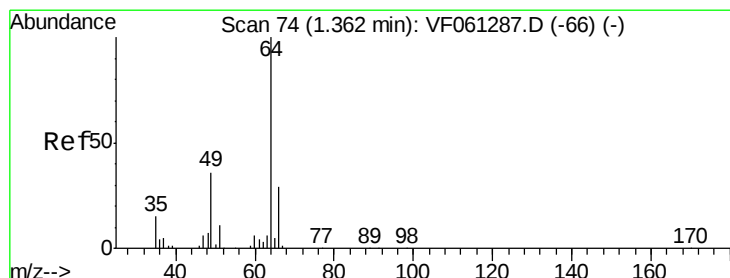
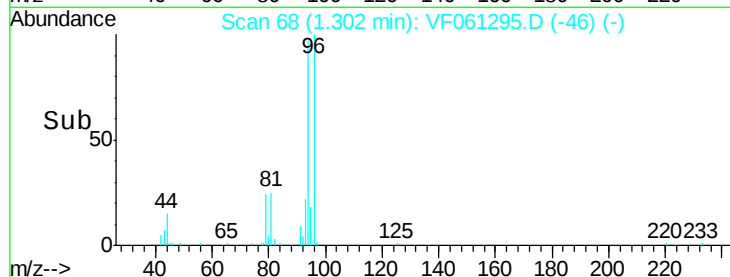
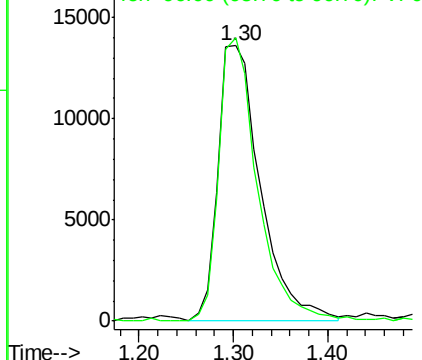
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 19.527 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.01 min

Lab File: VF061295.D

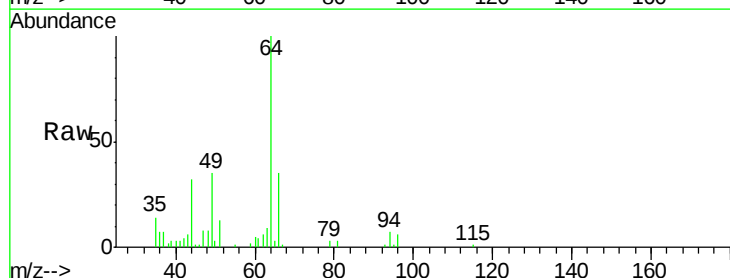
Acq: 9 Jan 2019 12:21

Tgt Ion: 64 Resp: 28167

Ion Ratio Lower Upper

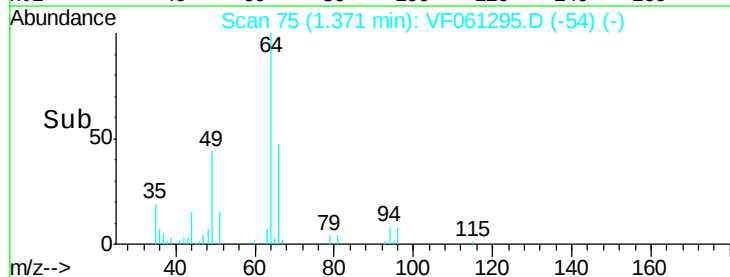
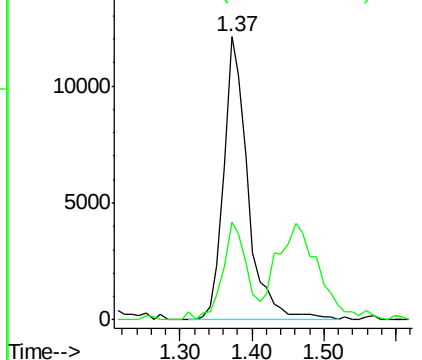
64 100

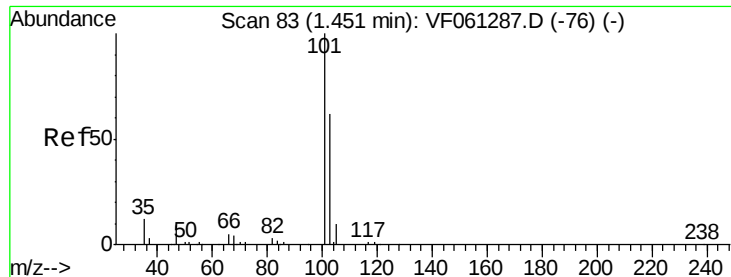
66 34.6 23.4 35.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

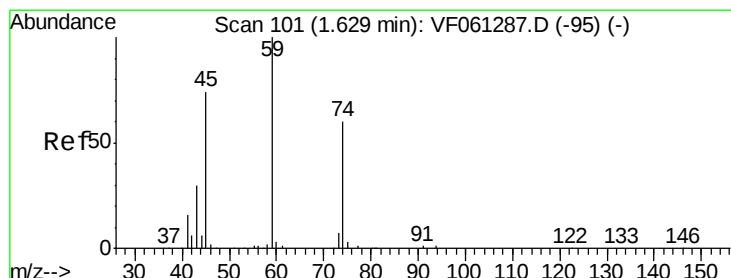
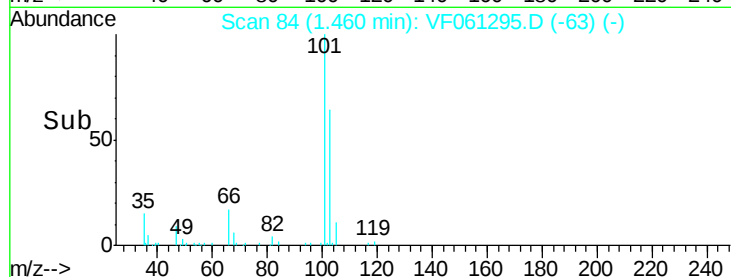
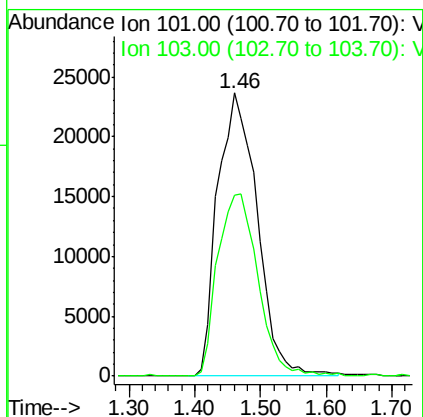
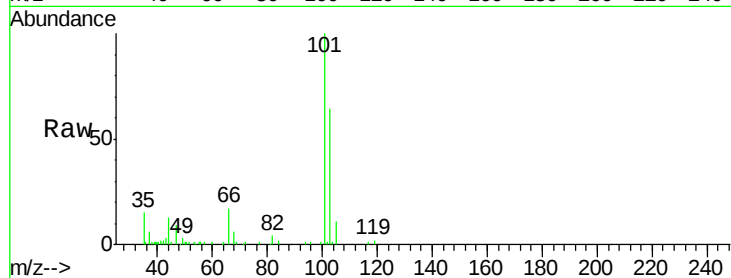
Trichlorofluoromethane
 Concen: 19.820 ug/l
 RT: 1.46 min Scan# 84
 Delta R.T. 0.01 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

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 VF0109SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	49.9	74.9

Manual Integrations
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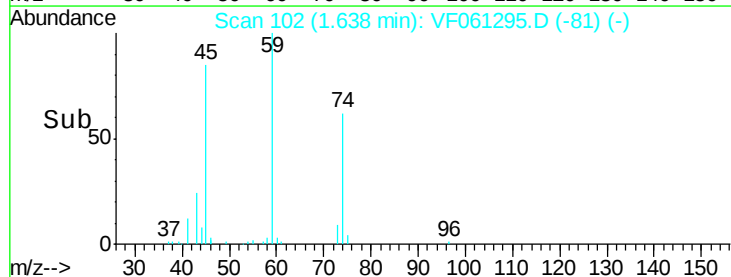
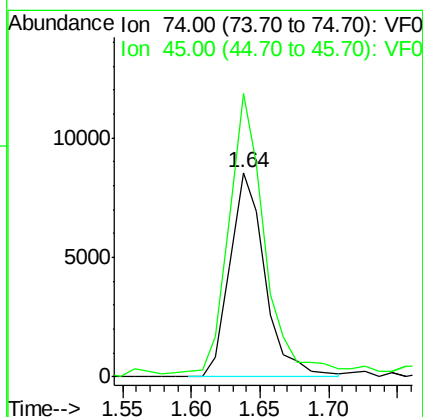
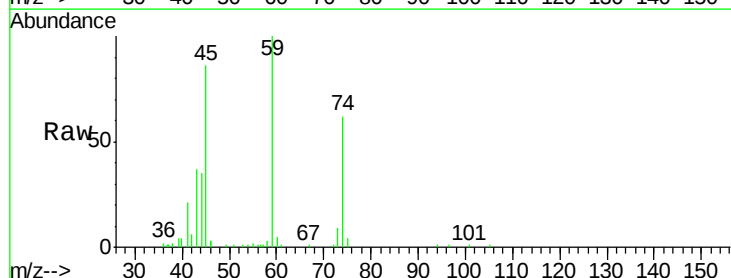
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 1/10/2019 2:02:36 PM

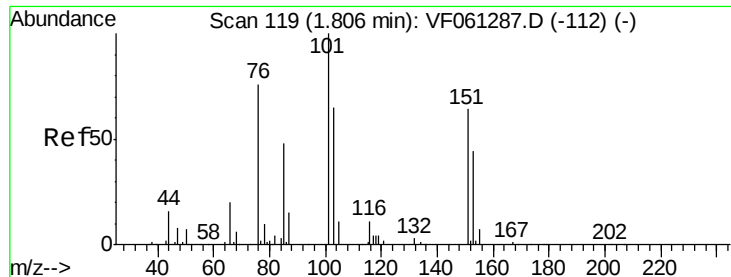


#8

Diethyl Ether
 Concen: 20.641 ug/l
 RT: 1.64 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.3	62.1	186.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.493 ug/l

RT: 1.83 min Scan# 121

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

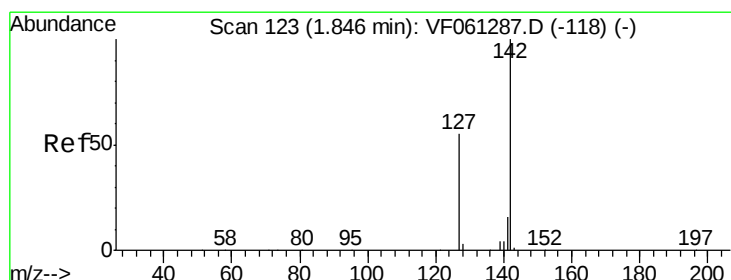
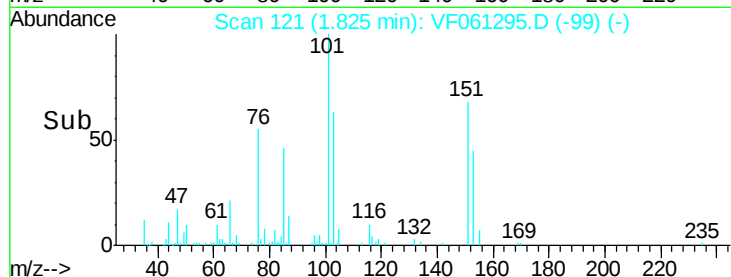
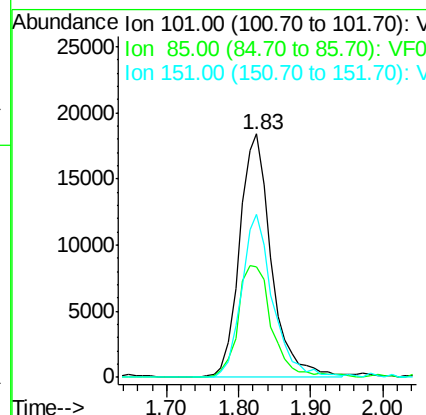
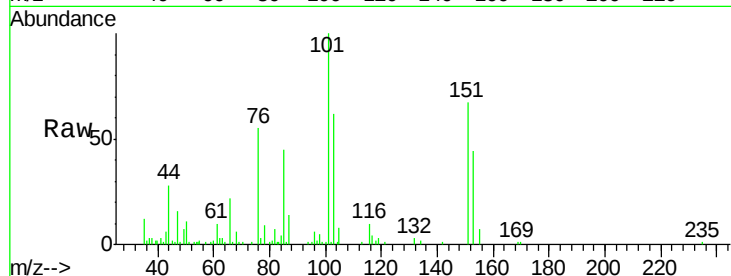
ClientSampleId :

VF0109SBS01

Tot Ion:	101	Resp:	56829
Ion Ratio	Lower	Upper	
101	100		
85	45.4	38.4	57.6
151	66.8	51.4	77.2

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#10

Methyl Iodide

Concen: 21.572 ug/l

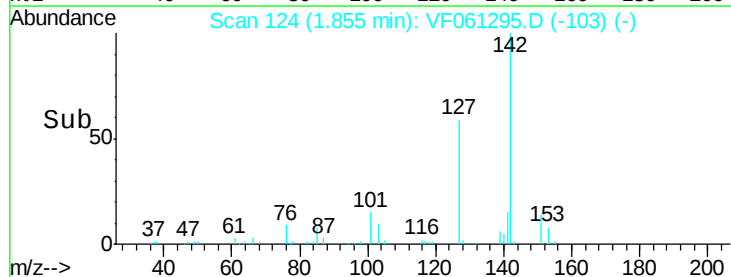
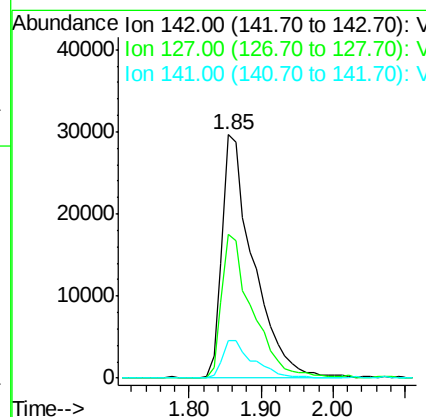
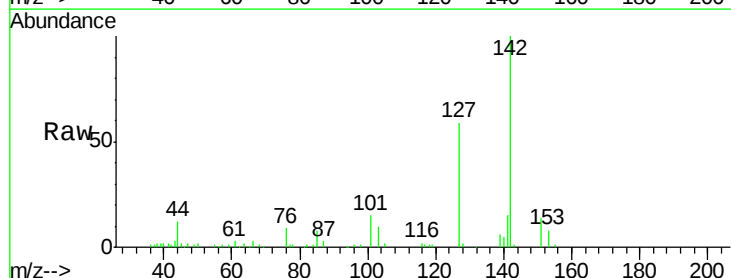
RT: 1.85 min Scan# 124

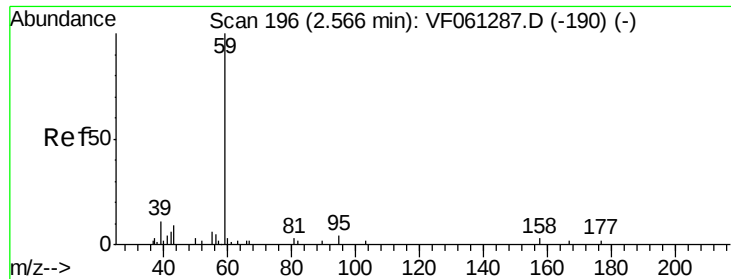
Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Tgt Ion:	142	Resp:	89360
Ion Ratio	Lower	Upper	
142	100		
127	58.9	44.3	66.5
141	15.2	13.2	19.8





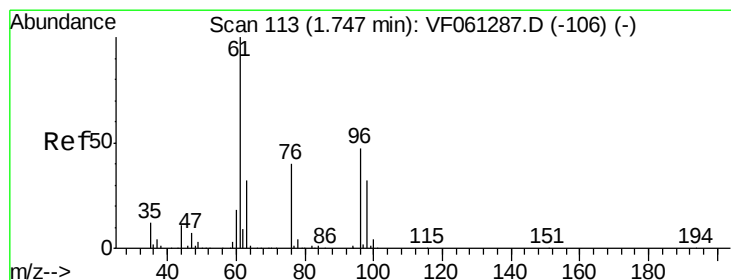
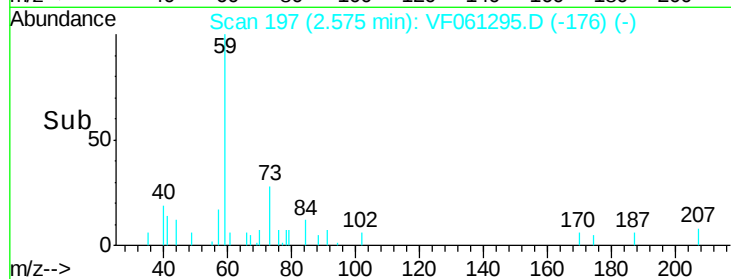
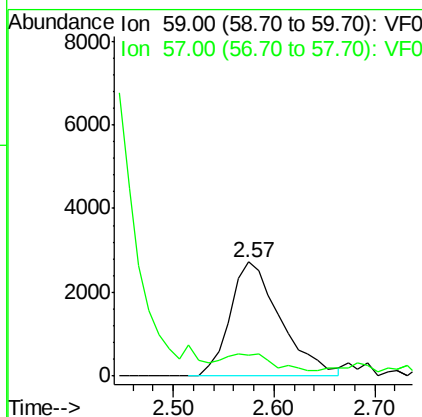
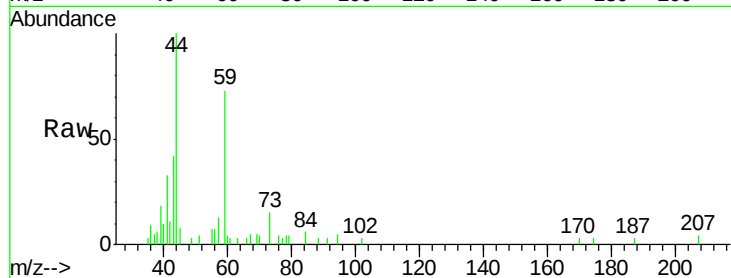
#11
Tert butyl alcohol
Concen: 105.792 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion	59	Resp	9486
Ion Ratio	100	Lower	Upper
57	18.4	15.1	22.7

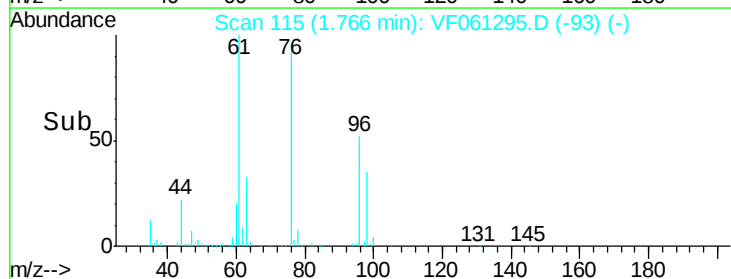
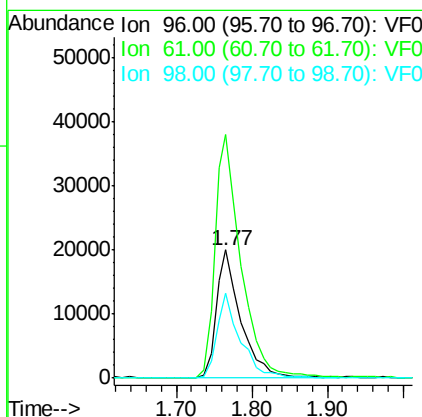
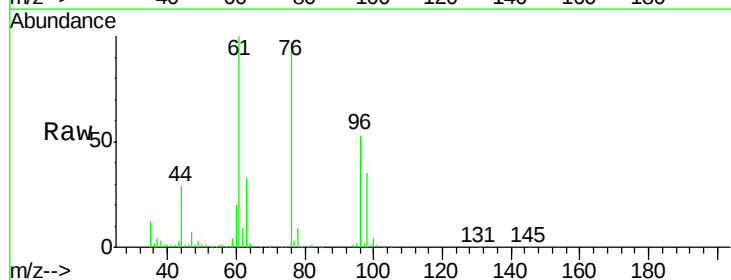
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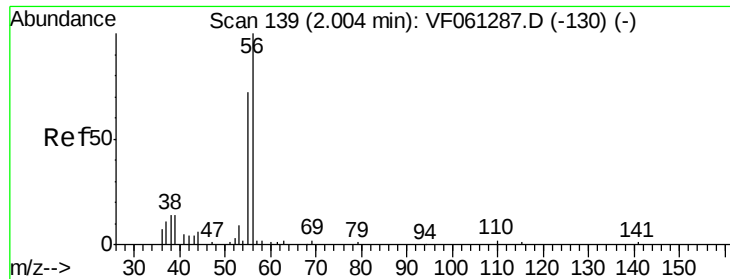
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#12
1,1-Dichloroethene
Concen: 21.557 ug/l
RT: 1.77 min Scan# 115
Delta R.T. 0.02 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	96	Resp	45580
Ion Ratio	100	Lower	Upper
61	190.2	171.8	257.8
98	66.0	54.2	81.4





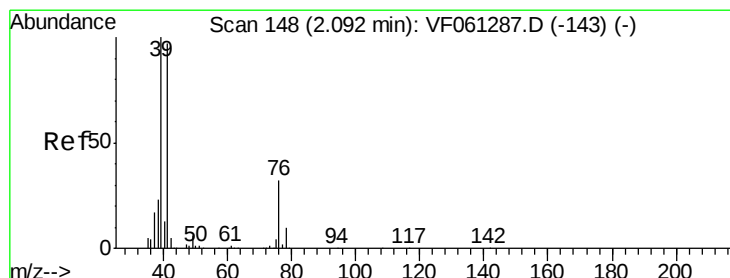
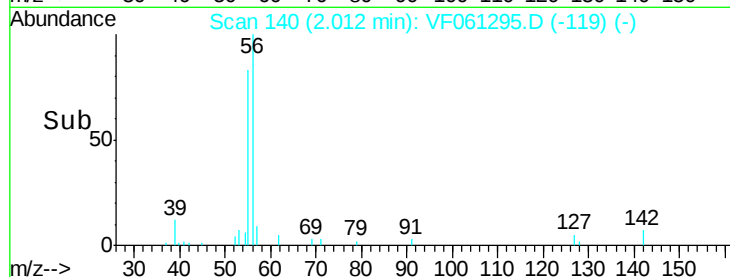
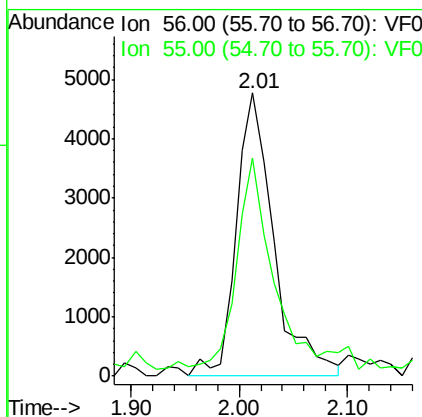
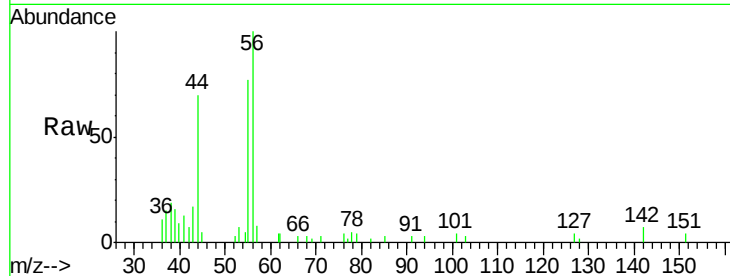
#13
Acrolein
Concen: 106.393 ug/l
RT: 2.01 min Scan# 140
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion	56	Resp	11561
Ion Ratio	100	Lower	Upper
55	77.0	59.4	89.0

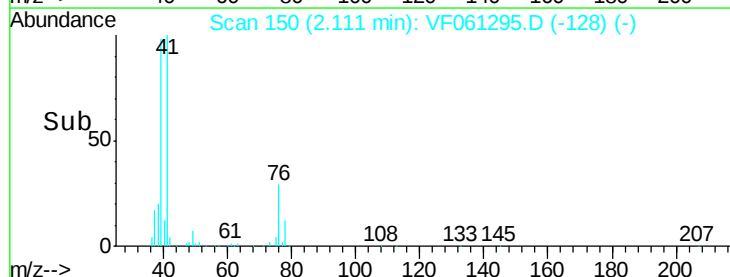
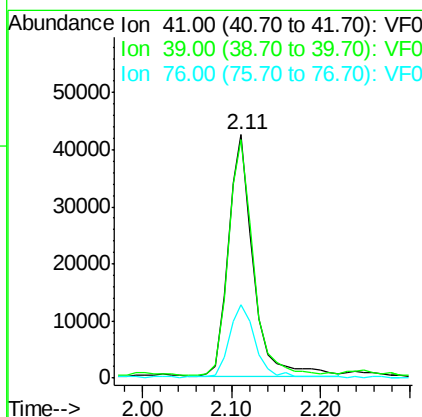
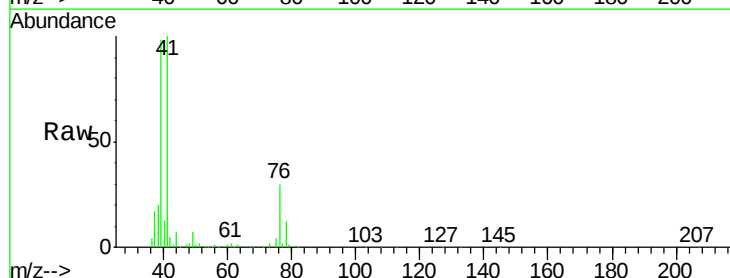
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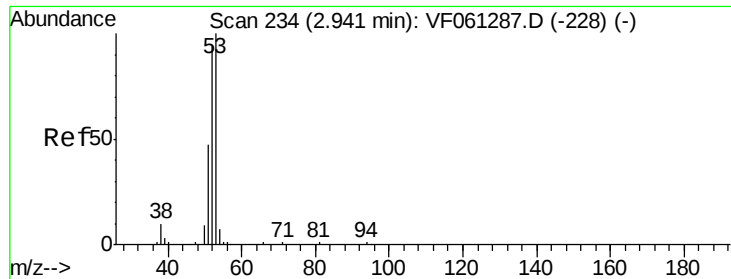
MMDadoda
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#14
Allyl chloride
Concen: 21.701 ug/l
RT: 2.11 min Scan# 150
Delta R.T. 0.02 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	41	Resp	83869
Ion Ratio	100	Lower	Upper
39	98.0	82.6	123.8
76	30.1	26.9	40.3





#15

Acrylonitrile

Concen: 112.082 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

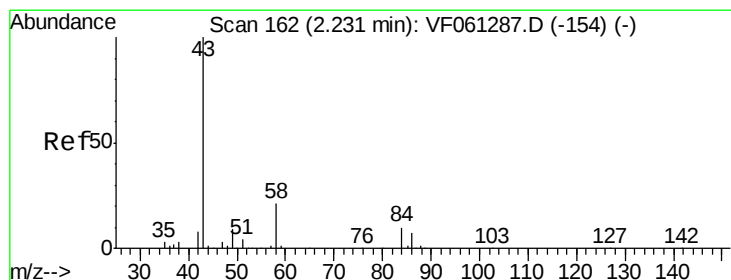
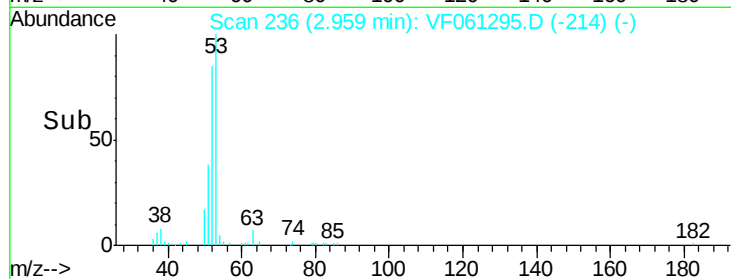
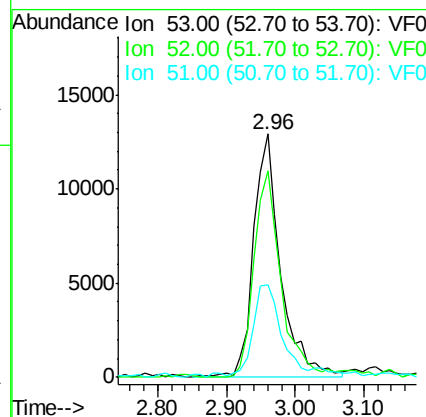
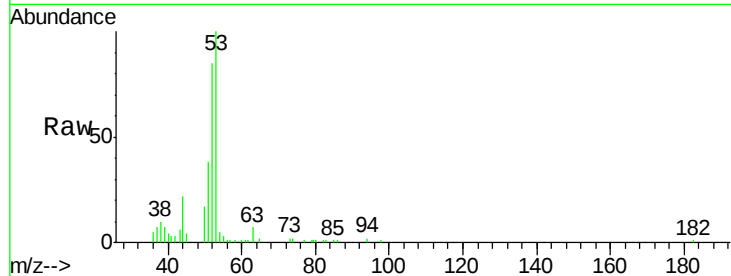
ClientSampleId :

VF0109SBS01

Tot Ion:	53	Resp:	35627
Ion	Ratio	Lower	Upper
53	100		
52	84.6	74.6	111.8
51	37.9	37.8	56.6

Manual Integrations
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#16

Acetone

Concen: 123.710 ug/l

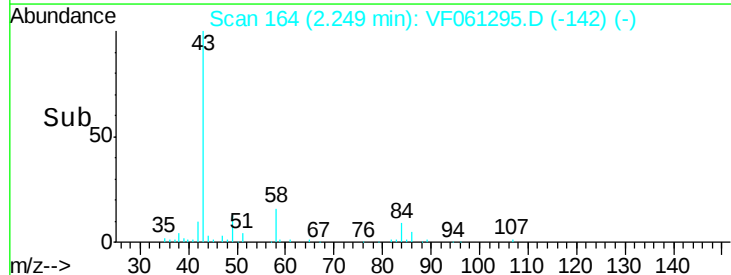
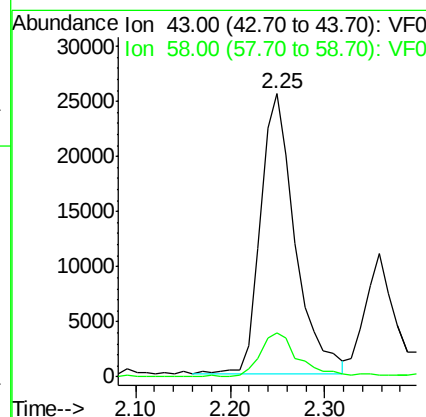
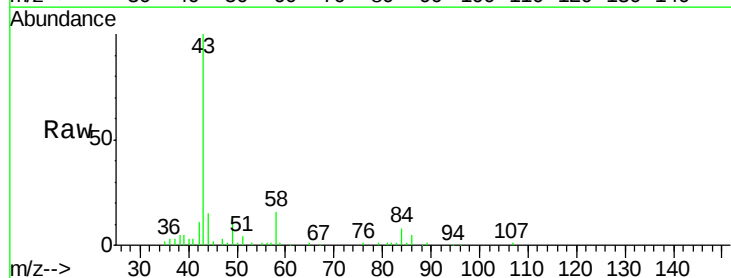
RT: 2.25 min Scan# 164

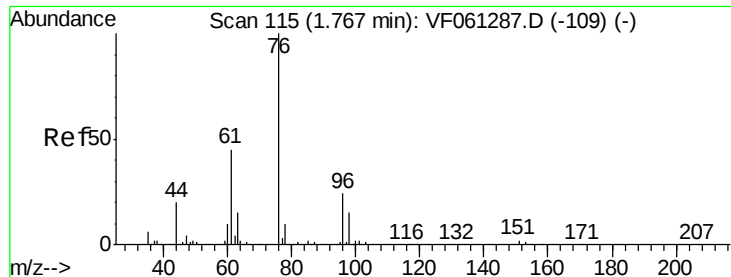
Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Tgt Ion:	43	Resp:	64449
Ion	Ratio	Lower	Upper
43	100		
58	15.5	16.6	25.0#





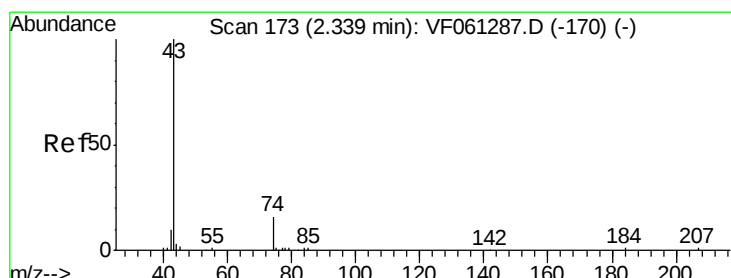
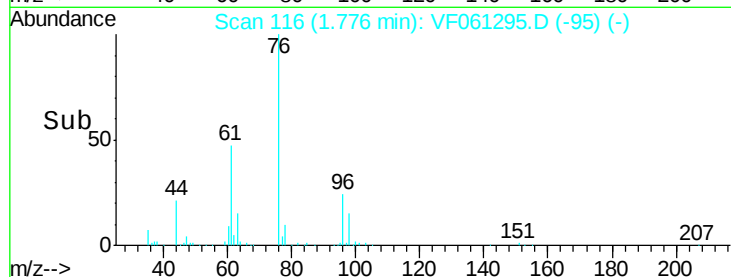
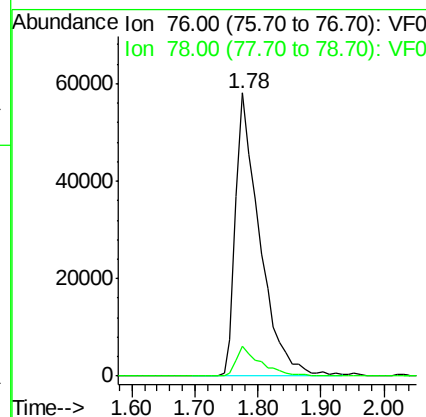
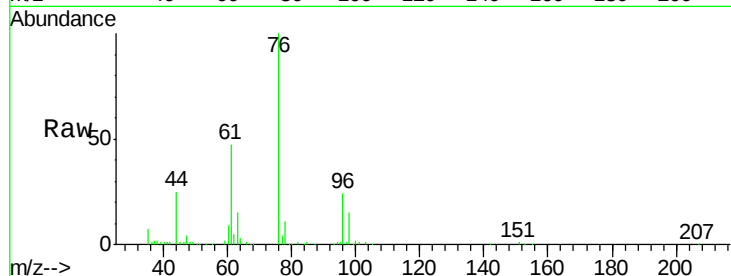
#17
Carbon Disulfide
Concen: 21.979 ug/l
RT: 1.78 min Scan# 116
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.8	11.6

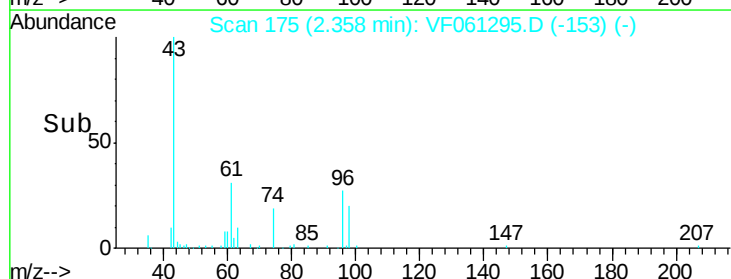
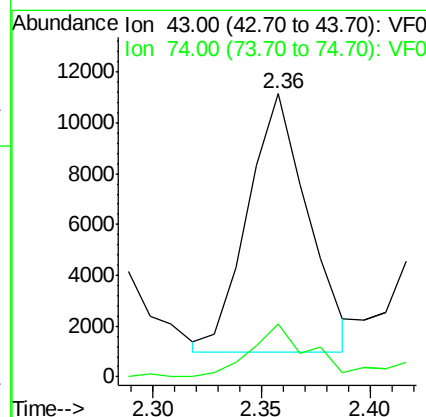
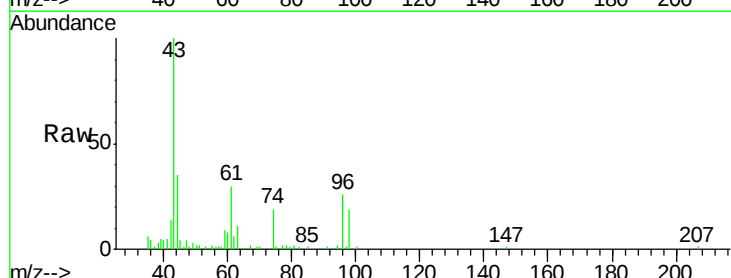
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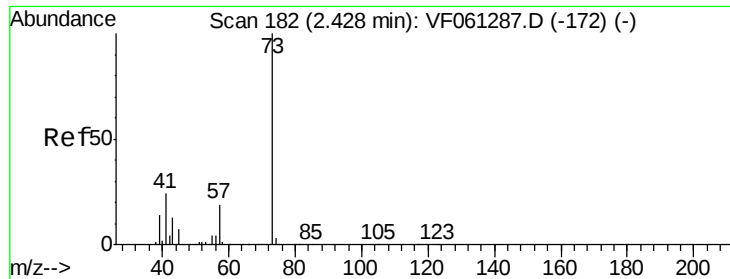
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#18
Methyl Acetate
Concen: 19.156 ug/l m
RT: 2.36 min Scan# 175
Delta R.T. 0.02 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	11.6	17.4#





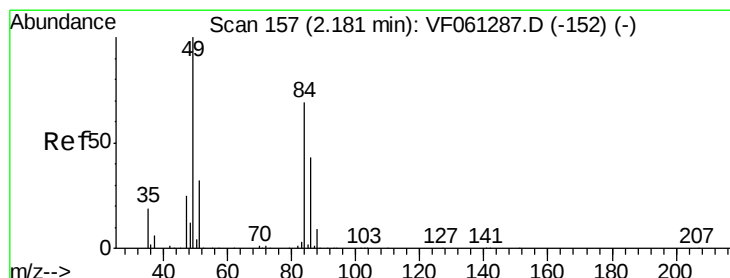
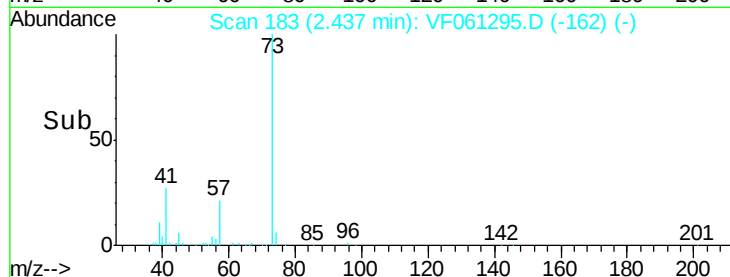
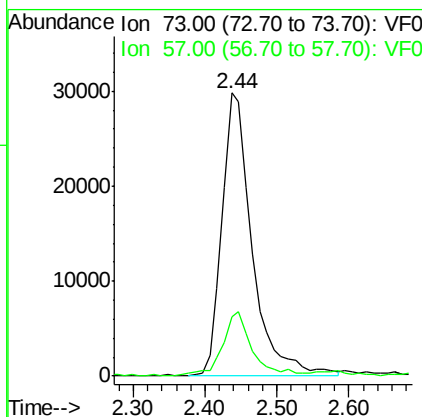
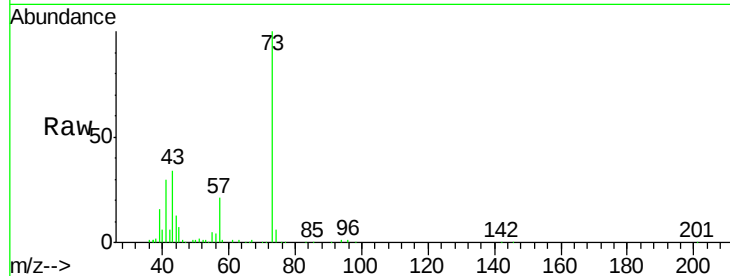
#19
Methvl tert-butvl Ether
Concen: 21.565 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion: 73 Resp: 86889
Ion Ratio Lower Upper
73 100
57 20.9 15.5 23.3

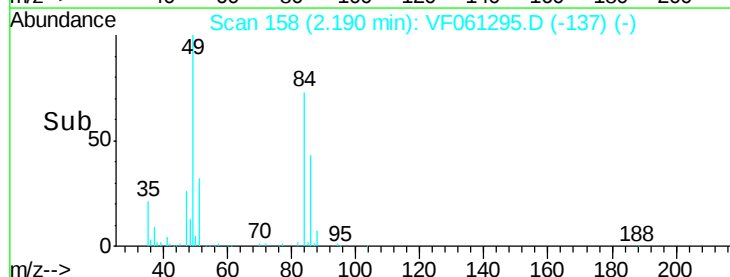
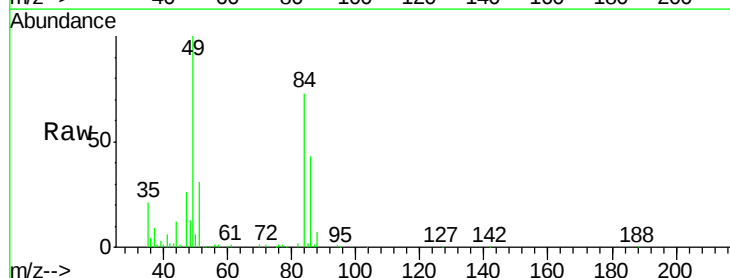
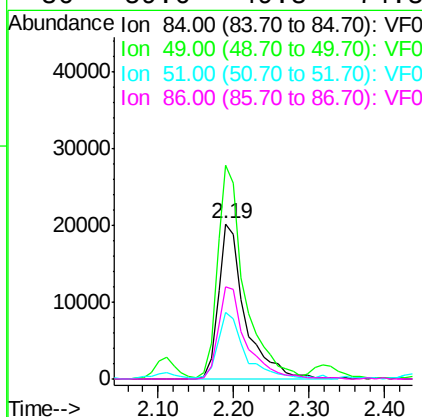
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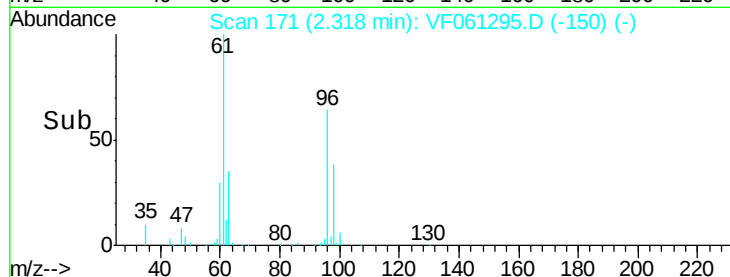
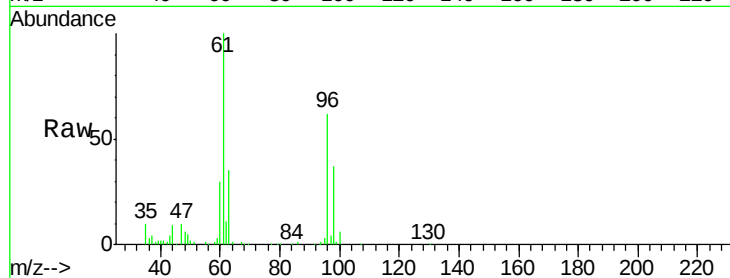
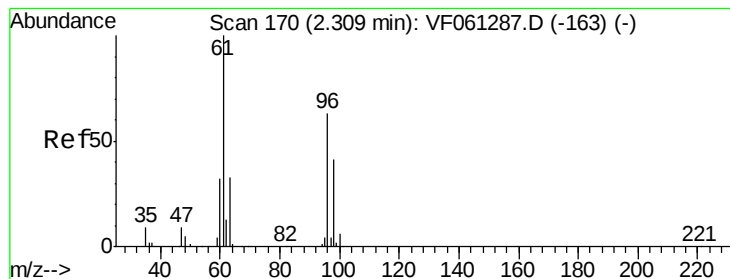
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#20
Methylene Chloride
Concen: 22.583 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion: 84 Resp: 49774
Ion Ratio Lower Upper
84 100
49 137.4 116.6 175.0
51 43.1 37.7 56.5
86 59.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 21.051 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF061295.D

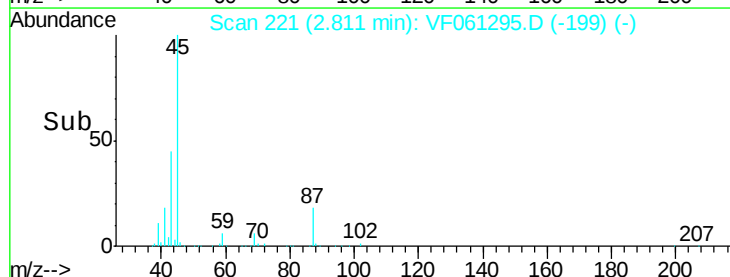
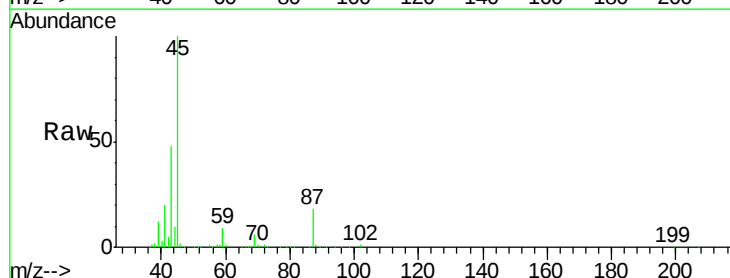
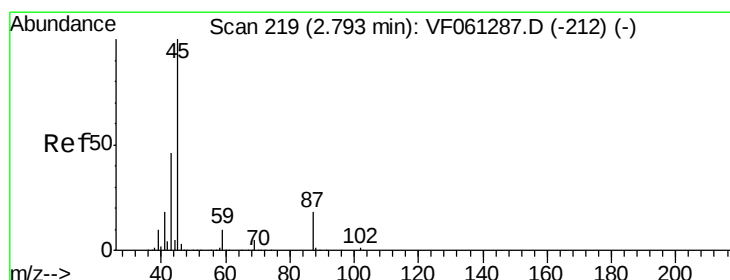
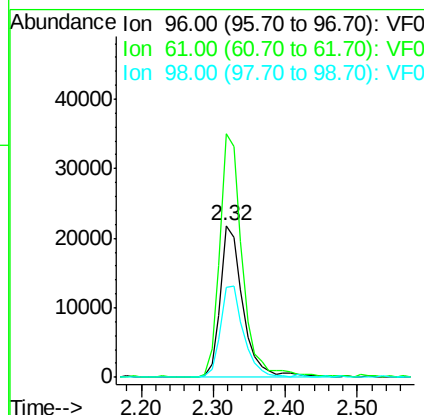
Acq: 9 Jan 2019 12:21

Tot Ion:	96	Resp:	47165
Ion	Ratio	Lower	Upper
96	100		
61	160.2	127.0	190.4
98	58.9	51.7	77.5

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.554 ug/l

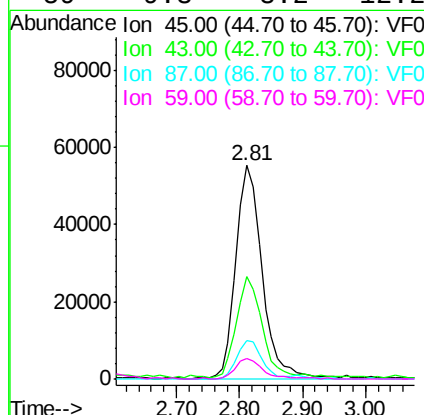
RT: 2.81 min Scan# 221

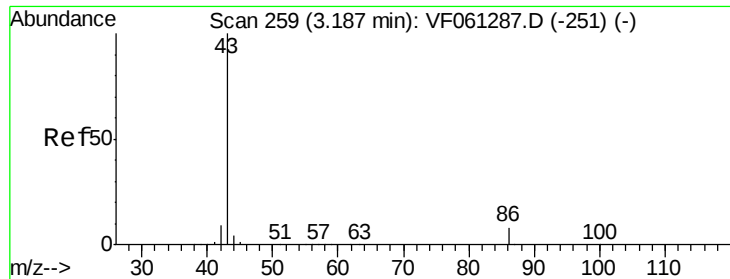
Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Tgt Ion:	45	Resp:	161155
Ion	Ratio	Lower	Upper
45	100		
43	47.7	37.4	56.2
87	17.9	14.2	21.2
59	9.3	8.2	12.2





#23

Vinyl Acetate

Concen: 113.122 ug/l

RT: 3.21 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

ClientSampleID :

VF0109SBS01

Tot Ion: 43 Resp: 247351

Ion Ratio Lower Upper

43 100

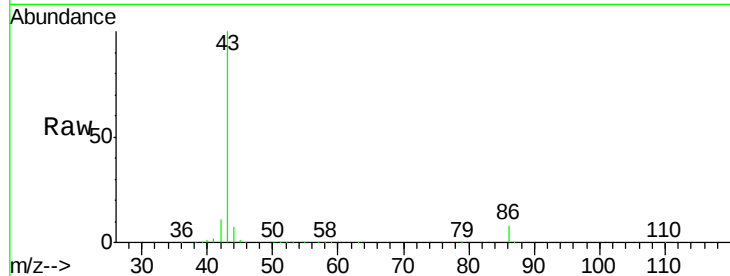
86 8.5 6.5 9.7

Manual Integrations

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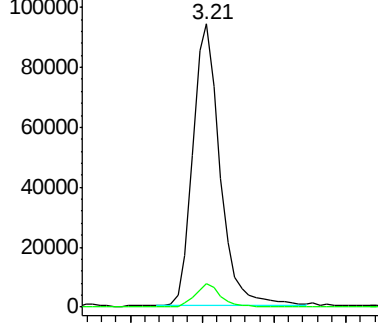
MMDadoda

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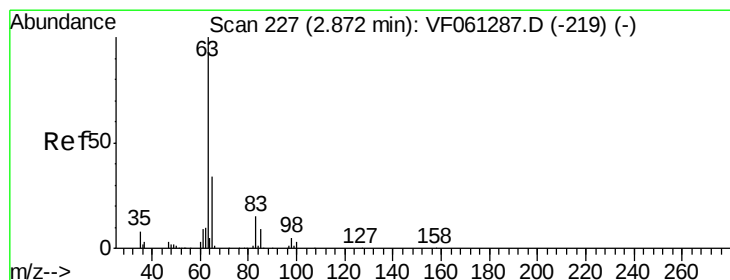
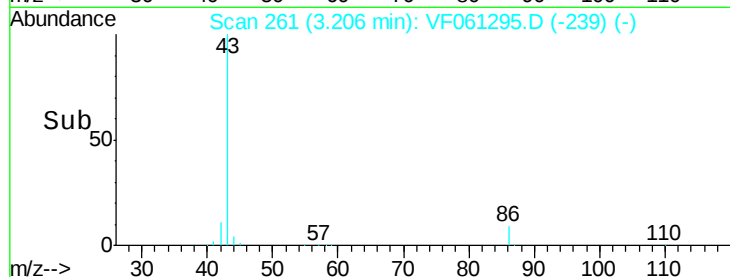


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 21.784 ug/l

RT: 2.89 min Scan# 229

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

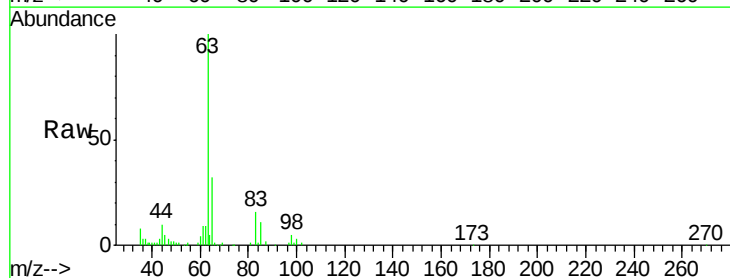
Tgt Ion: 63 Resp: 94216

Ion Ratio Lower Upper

63 100

98 4.7 2.5 7.6

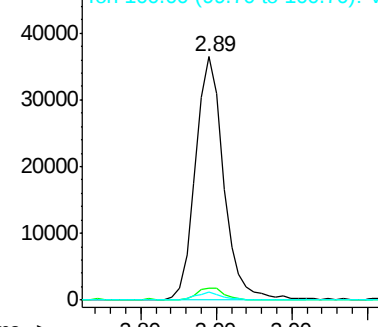
100 3.1 1.7 5.0



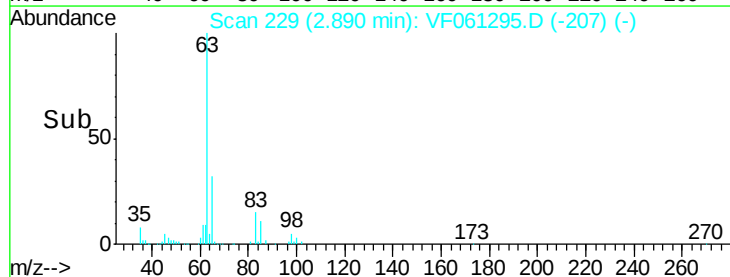
Abundance Ion 63.00 (62.70 to 63.70): VF0

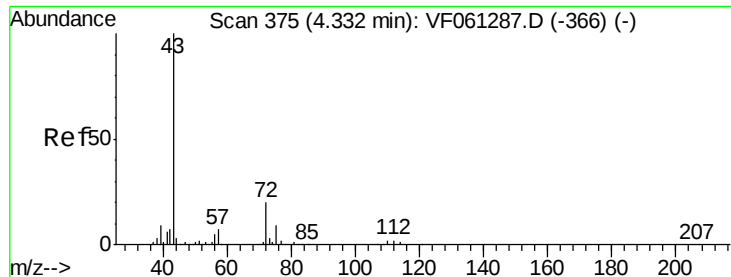
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#25

2-Butanone

Concen: 108.727 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBS01

Tot Ion: 43 Resp: 91167

Ion Ratio Lower Upper

43 100

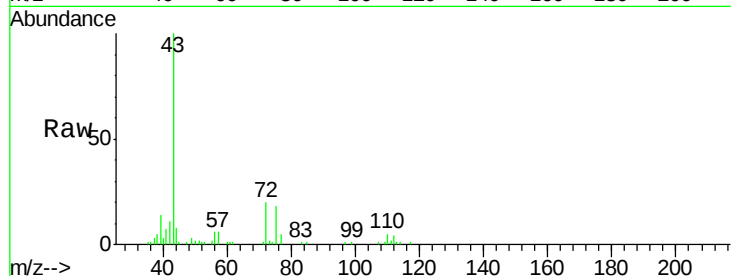
72 19.6 16.5 24.7

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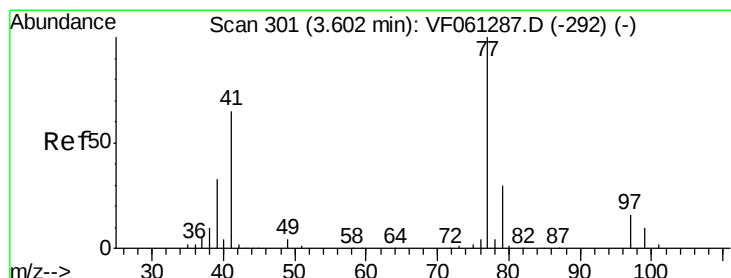
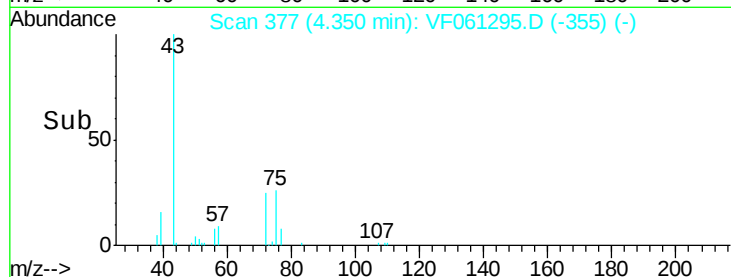
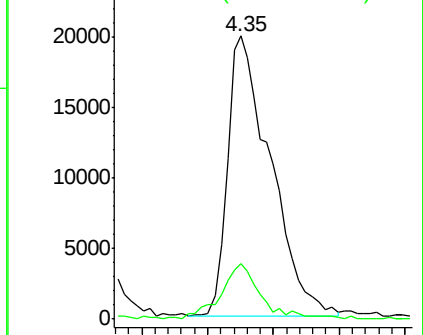
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 22.001 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.02 min

Lab File: VF061295.D

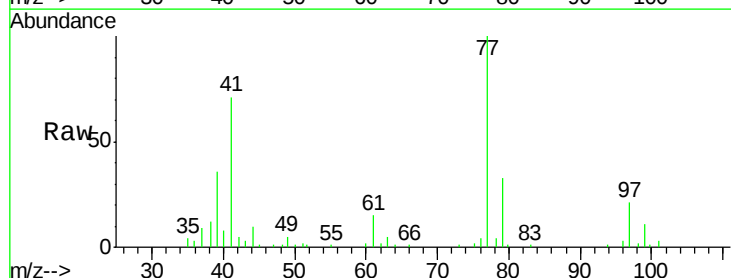
Acq: 9 Jan 2019 12:21

Tgt Ion: 77 Resp: 63586

Ion Ratio Lower Upper

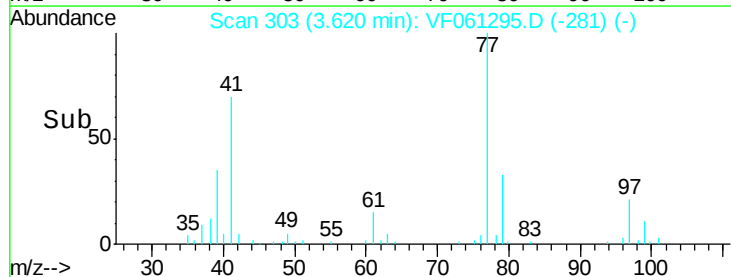
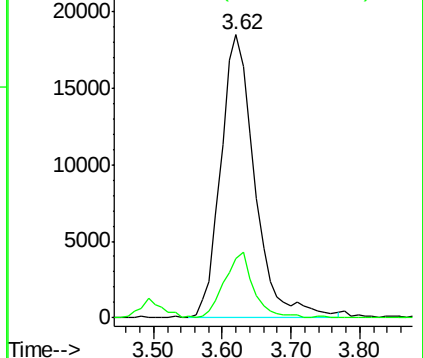
77 100

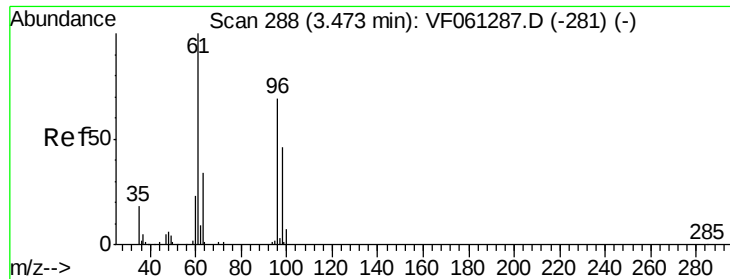
97 21.2 8.6 25.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

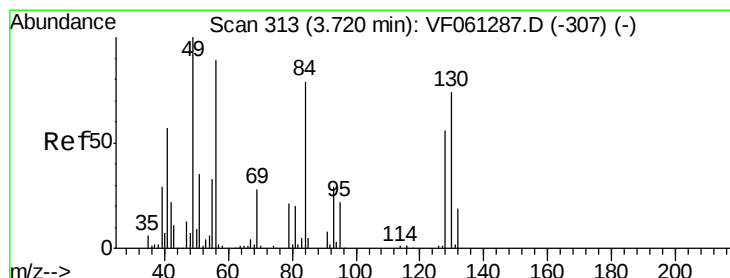
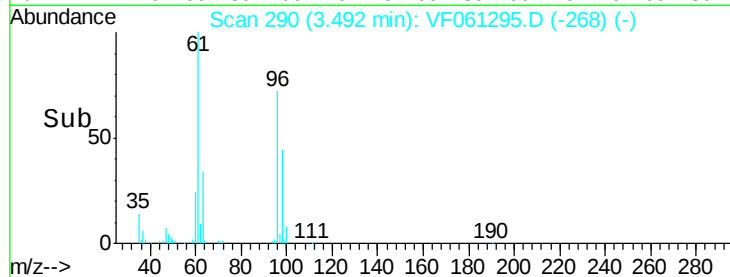
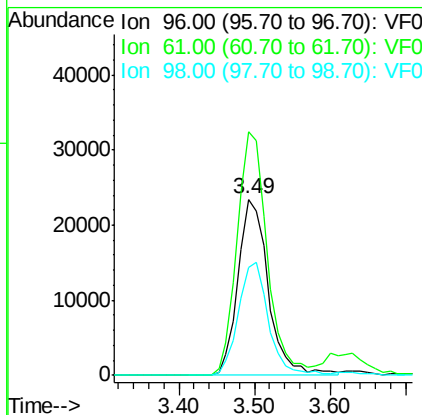
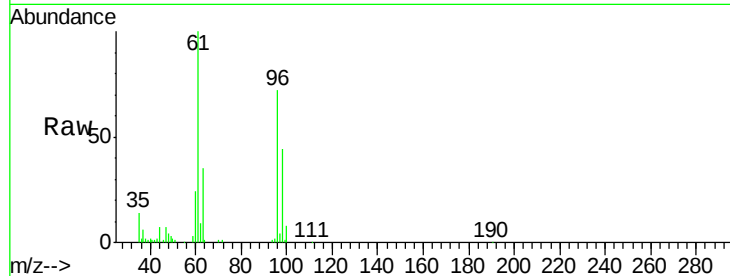
cis-1,2-Dichloroethene
 Concen: 20.998 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. 0.02 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	288.2
98	60.9	0.0	132.2

Manual Integrations
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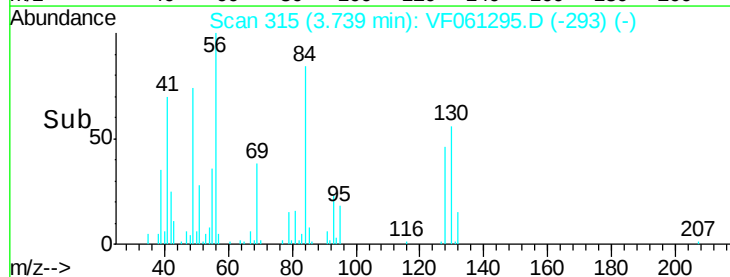
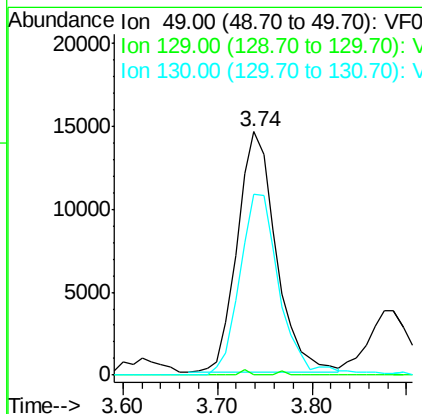
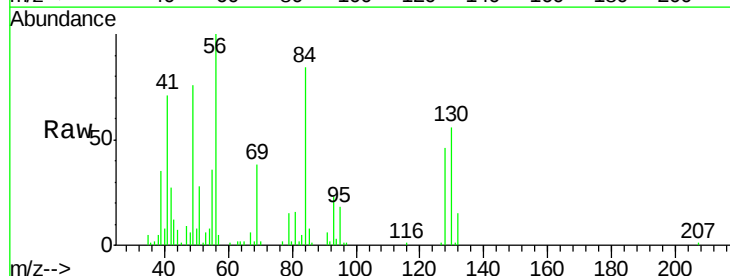
MMDadoda
 1/10/2019 2:02:36 PM

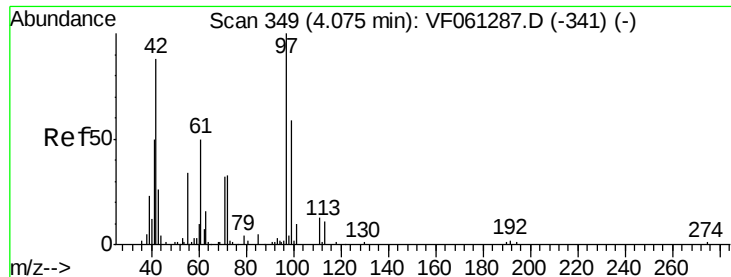


#28

Bromochloromethane
 Concen: 21.628 ug/l
 RT: 3.74 min Scan# 315
 Delta R.T. 0.02 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	74.1	58.6	88.0





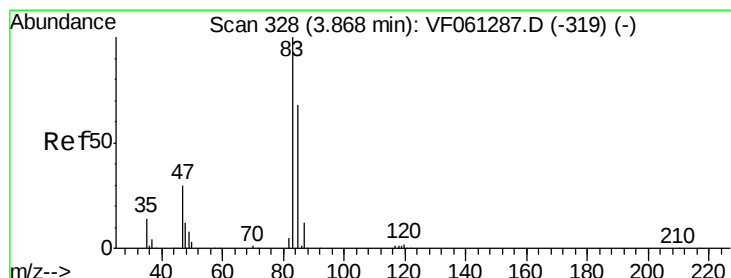
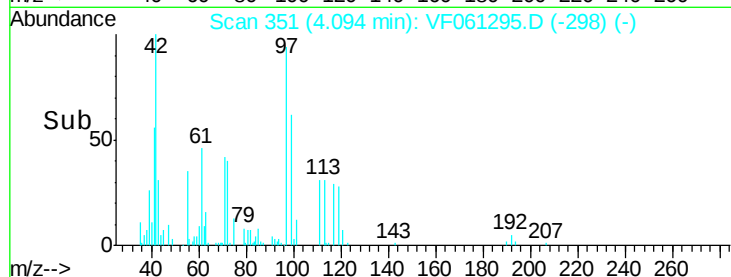
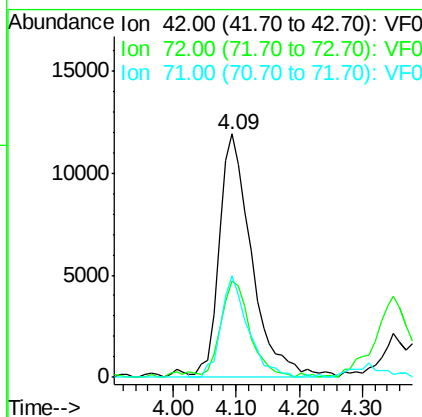
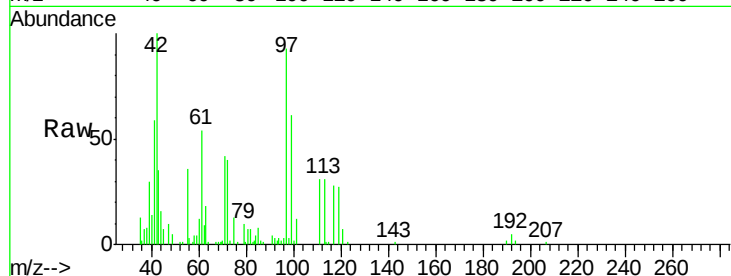
#29
Tetrahydrofuran
Concen: 122.433 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.02 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	32.3	48.5
71	34.4	29.5	44.3

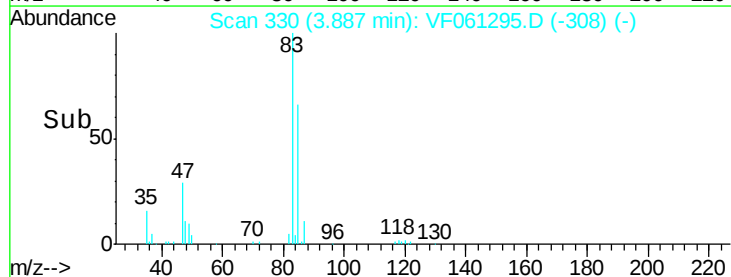
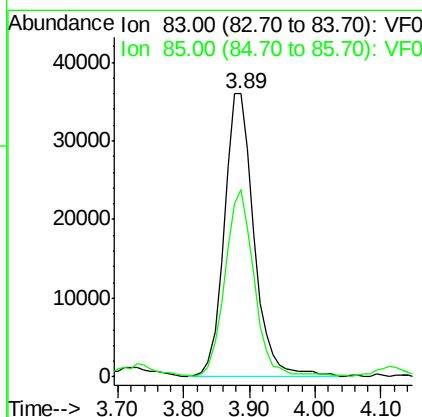
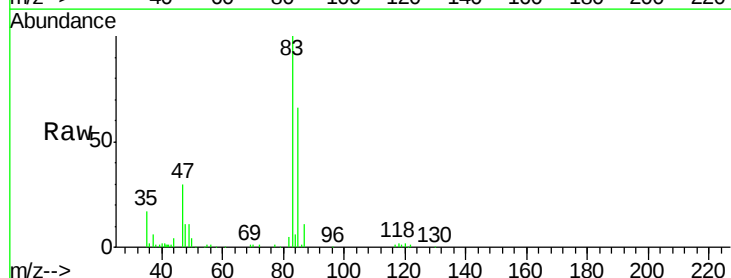
Manual Integrations
APPROVED

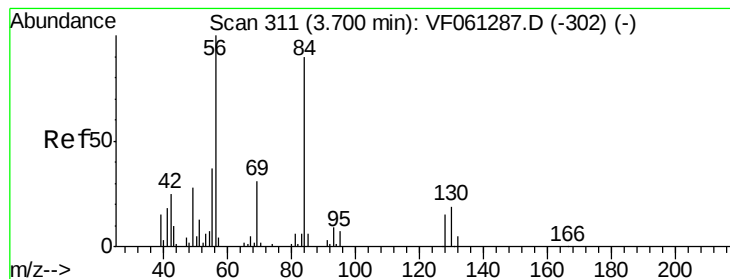
MMDadoda
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#30
Chloroform
Concen: 20.815 ug/l
RT: 3.89 min Scan# 330
Delta R.T. 0.02 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	54.4	81.6





#31

Cyclohexane

Concen: 22.490 ug/l

RT: 3.72 min Scan# 313

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

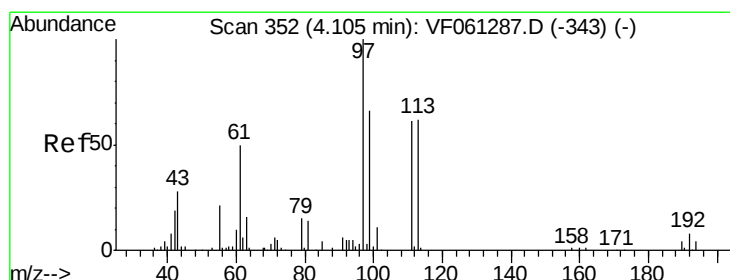
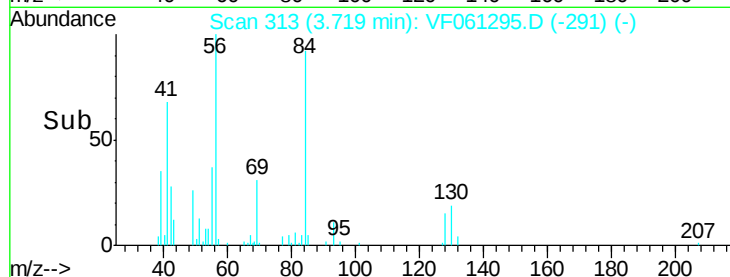
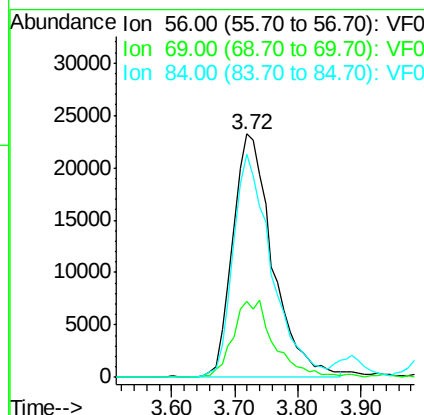
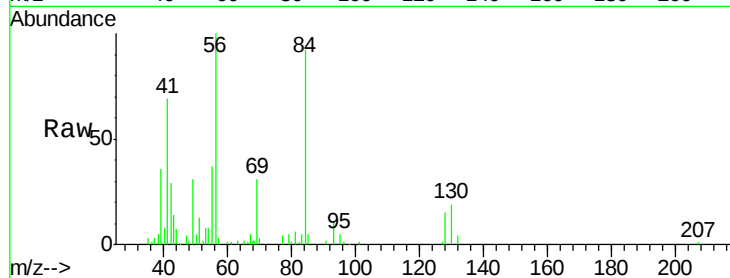
ClientSampleId :

VF0109SBS01

Tot Ion:	56	Resp:	102045
Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.7	37.1
84	91.7	72.2	108.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.059 ug/l

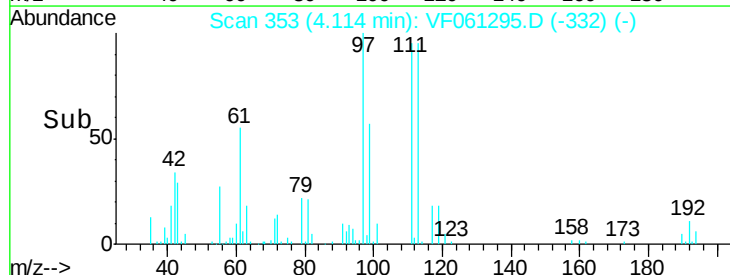
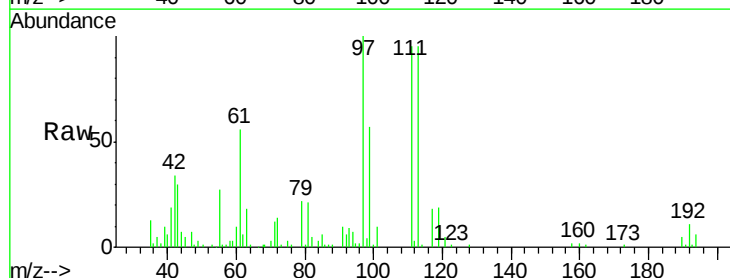
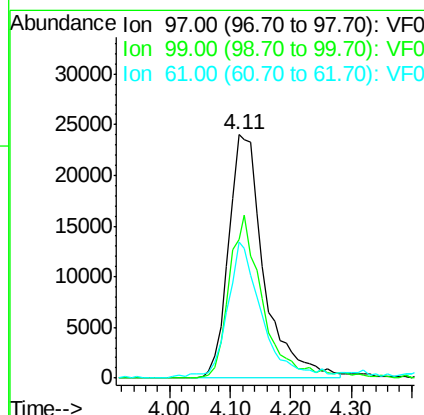
RT: 4.11 min Scan# 353

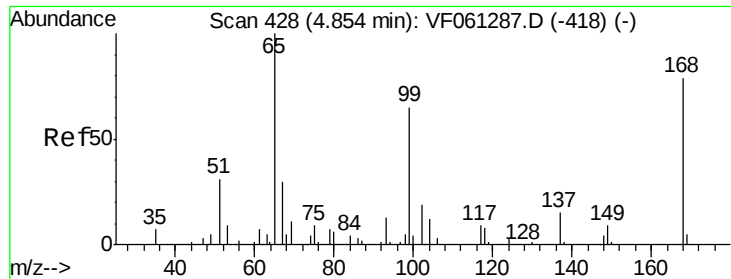
Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Tgt Ion:	97	Resp:	97825
Ion	Ratio	Lower	Upper
97	100		
99	56.8	52.7	79.1
61	55.8	40.8	61.2





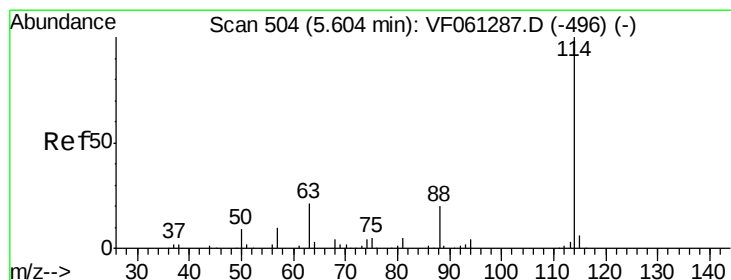
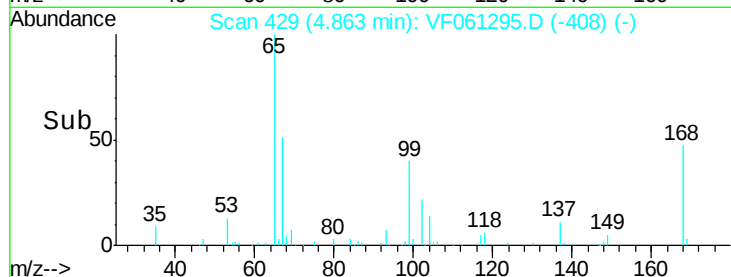
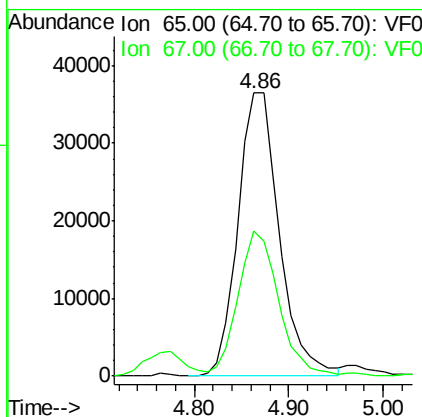
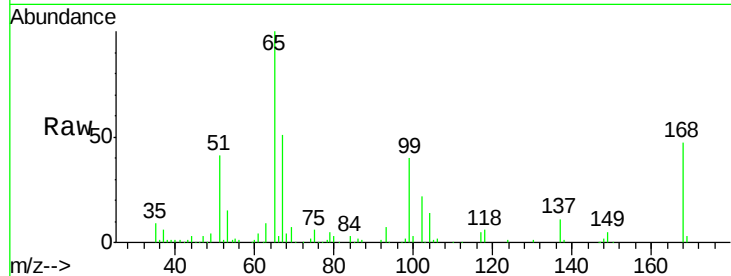
#33
 1,2-Dichloroethane-d4
 Concen: 49.676 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	111251		
67	51.1	0.0	98.2	

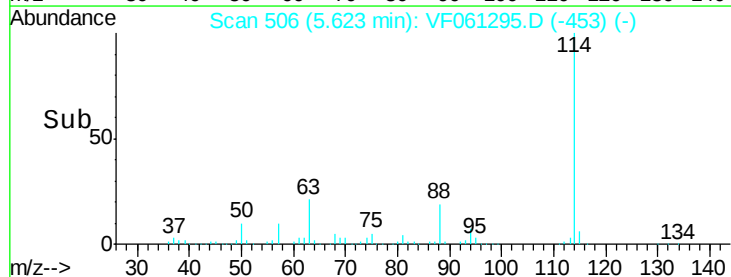
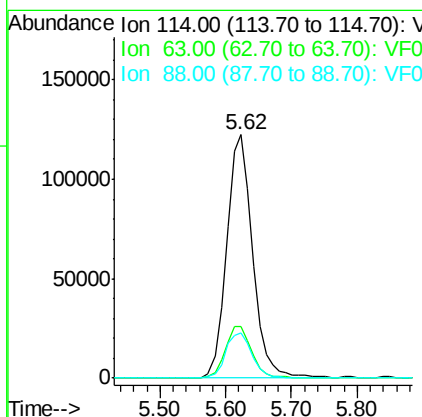
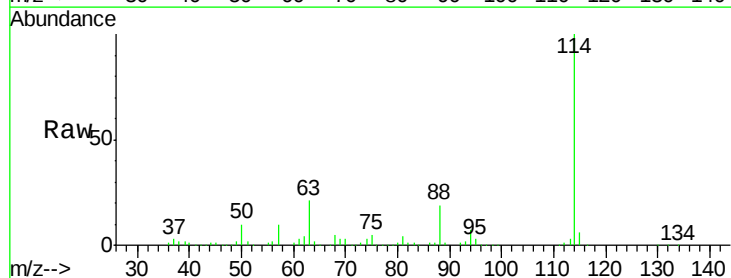
Manual Integrations
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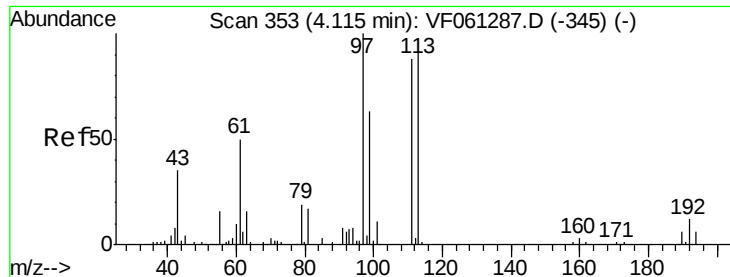
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. 0.02 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	338433		
63	21.1	0.0	42.8	
88	18.7	0.0	40.0	





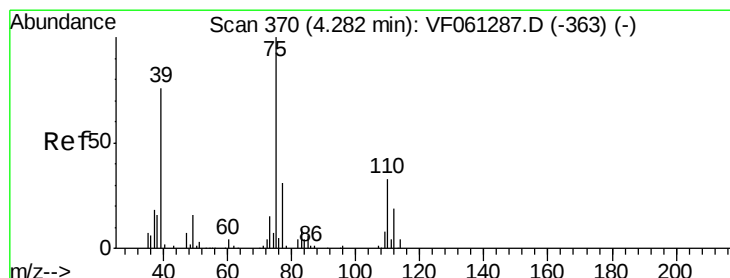
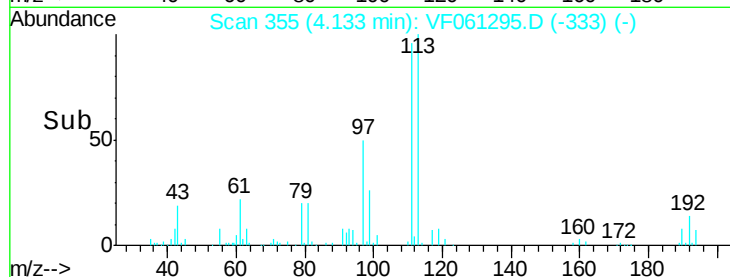
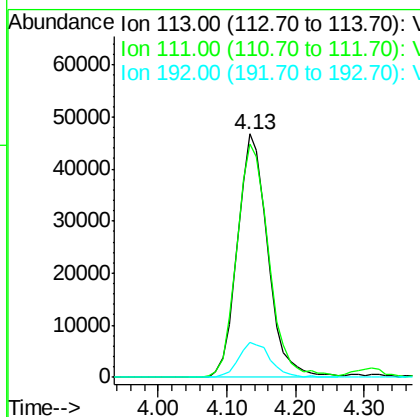
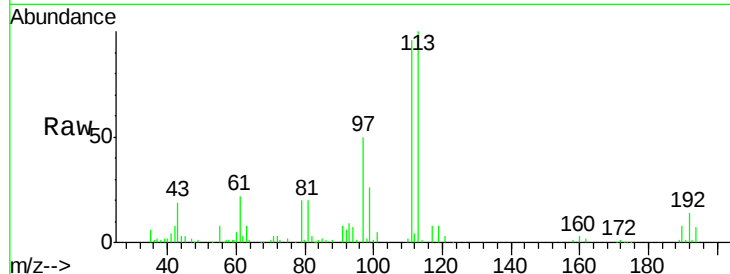
#35
 Dibromofluoromethane
 Concen: 55.085 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.02 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	95.9	78.0	117.0
192	14.5	10.6	16.0

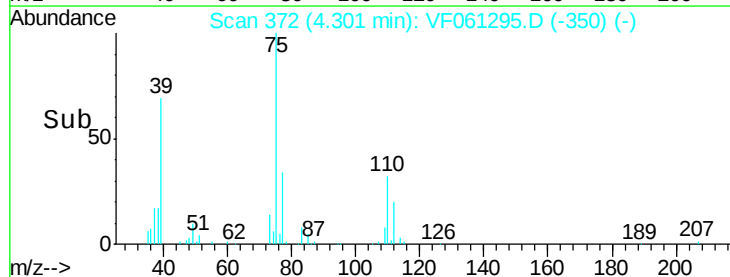
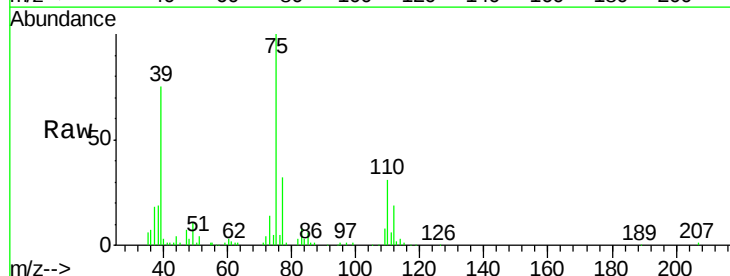
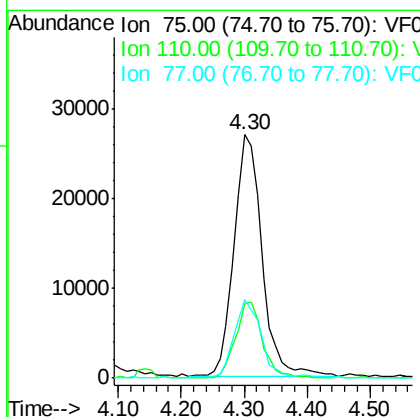
Manual Integrations
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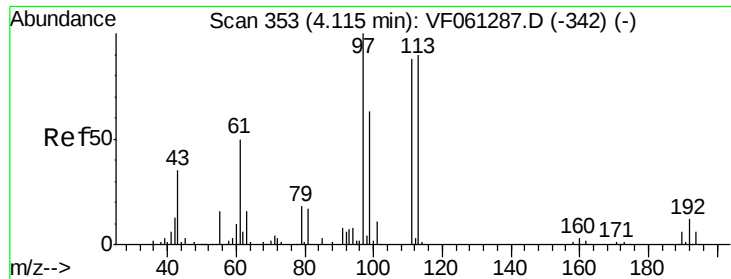
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#36
 1,1-Dichloropropene
 Concen: 20.947 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. 0.02 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.5	16.6	49.8
77	32.1	25.1	37.7





#37

Ethyl Acetate

Concen: 24.219 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

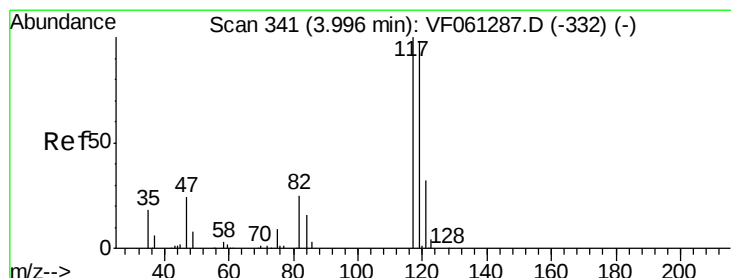
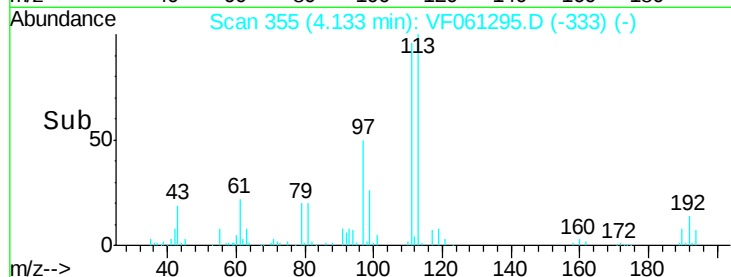
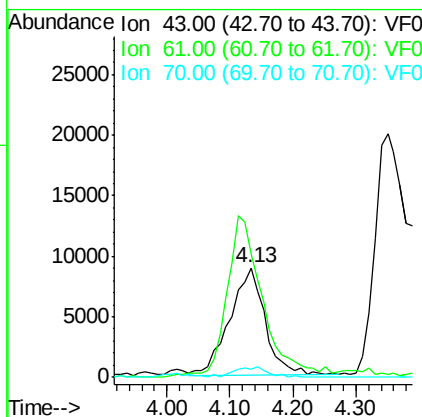
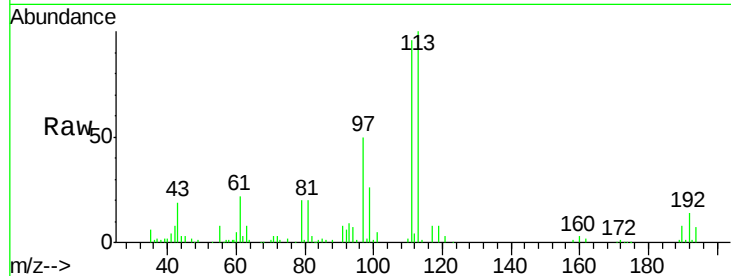
ClientSampleId :

VF0109SBS01

Tot Ion:	43	Resp:	34856
Ion	Ratio	Lower	Upper
43	100		
61	112.1	113.3	169.9#
70	7.1	9.4	14.0#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 22.429 ug/l

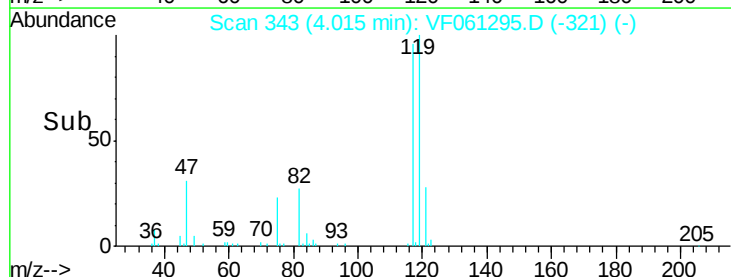
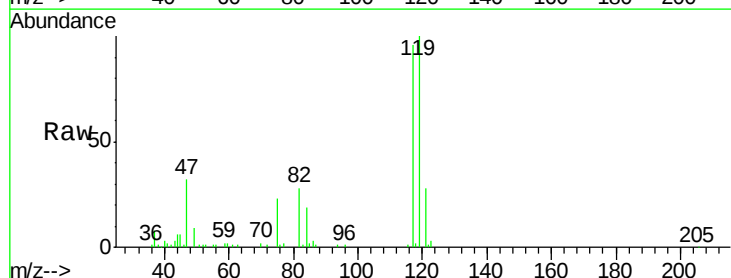
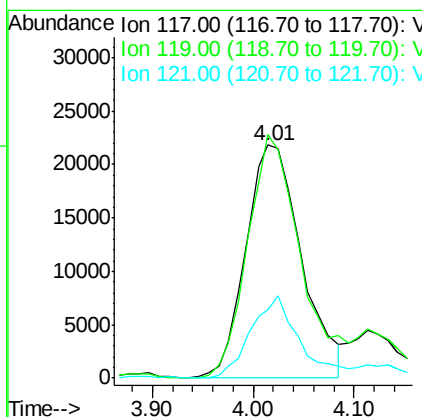
RT: 4.01 min Scan# 343

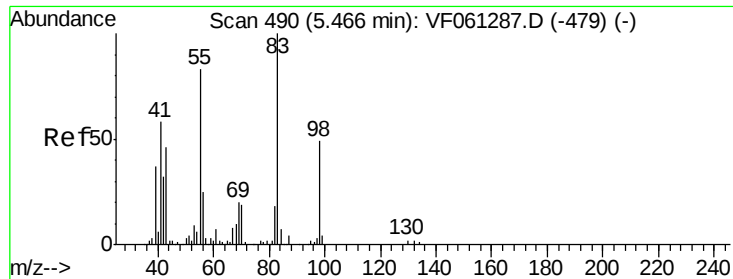
Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Tgt Ion:	117	Resp:	83951
Ion	Ratio	Lower	Upper
117	100		
119	104.5	78.5	117.7
121	29.1	25.3	37.9





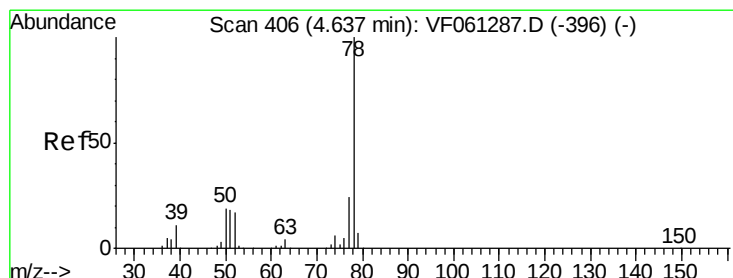
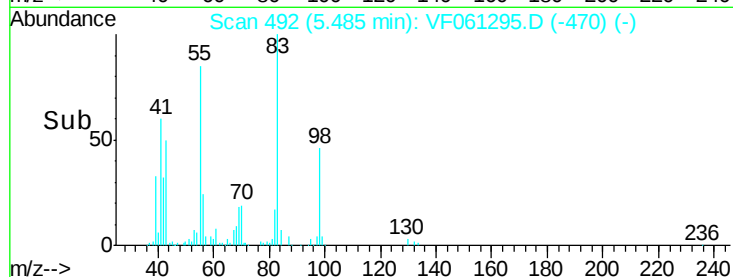
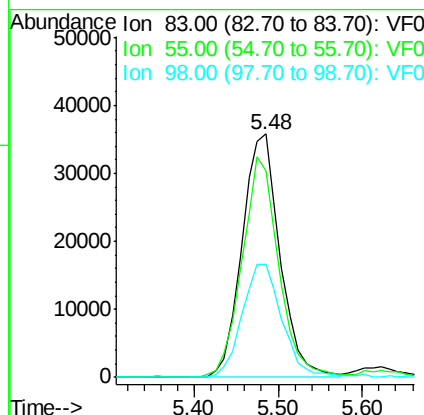
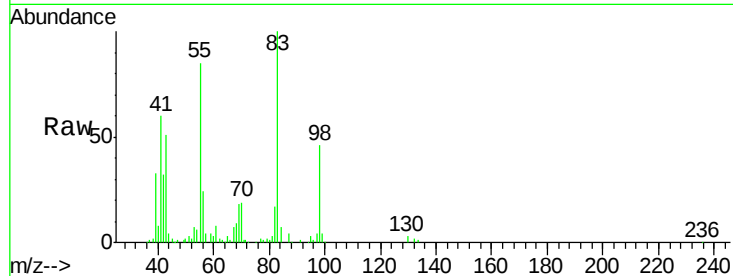
#39
Methvlcvclohexane
Concen: 22.847 ug/l
RT: 5.48 min Scan# 492
Delta R.T. 0.02 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.6	66.4	99.6	
98	46.4	39.1	58.7	

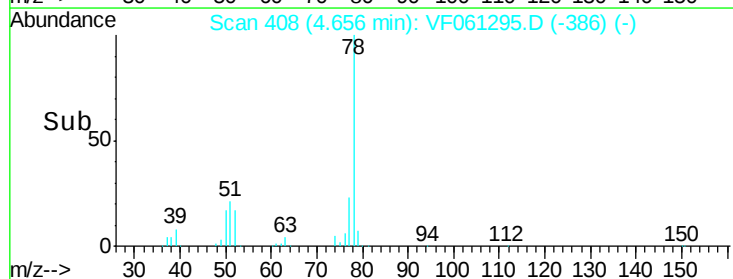
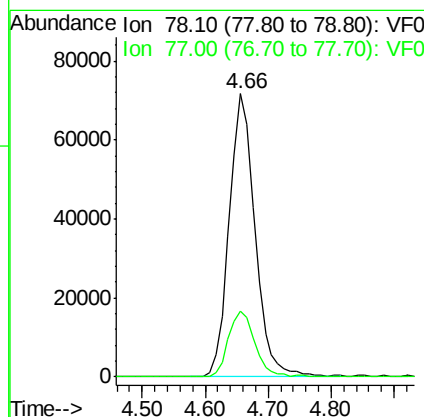
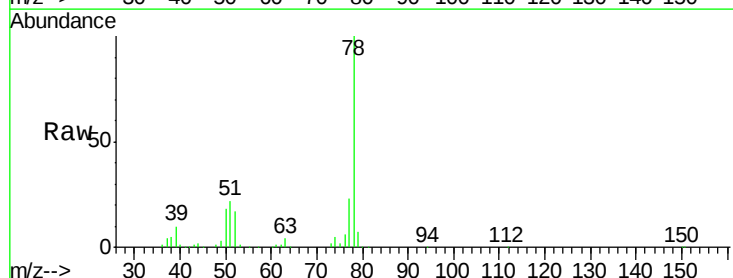
Manual Integrations
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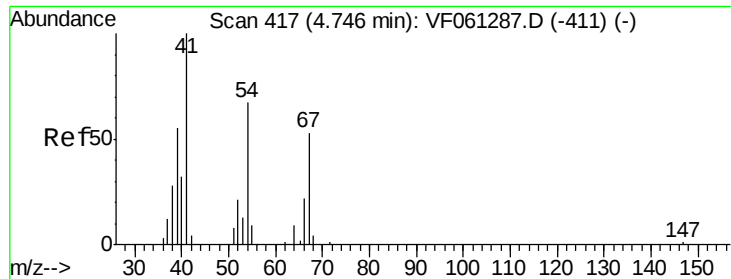
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#40
Benzene
Concen: 22.085 ug/l
RT: 4.66 min Scan# 408
Delta R.T. 0.02 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	19.1	28.7	





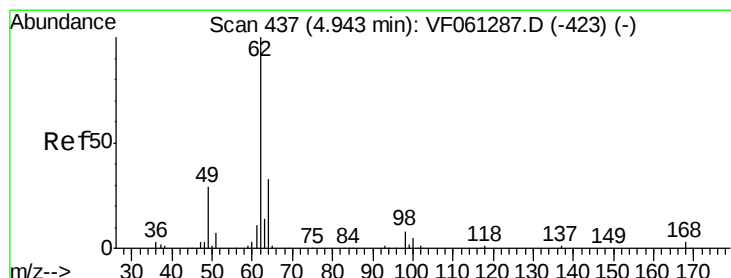
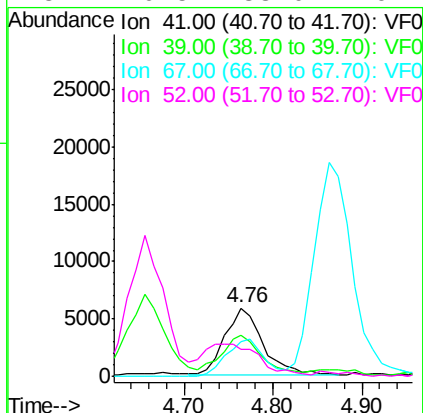
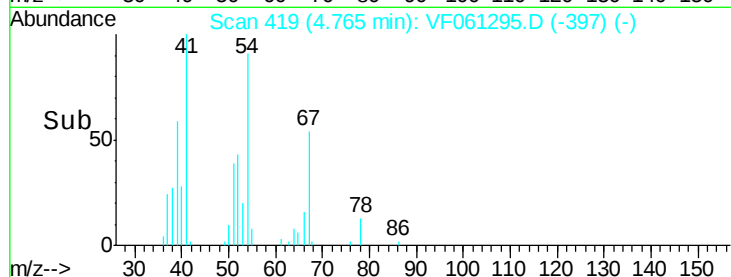
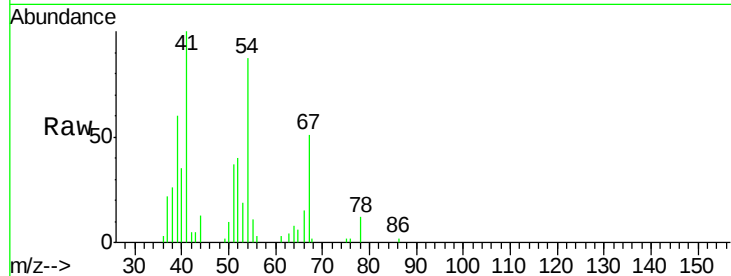
#41
Methacrylonitrile
Concen: 21.790 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.02 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion:	41	Resp:	17513
Ion	Ratio	Lower	Upper
41	100		
39	59.7	52.7	79.1
67	51.3	41.4	62.2
52	40.5	33.0	49.4

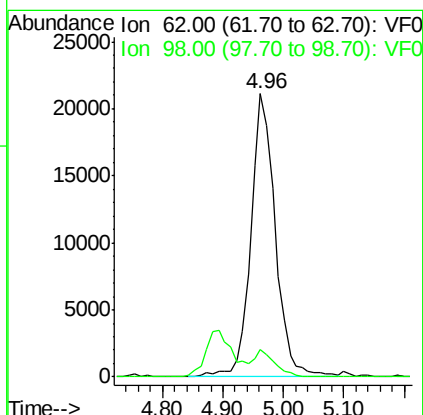
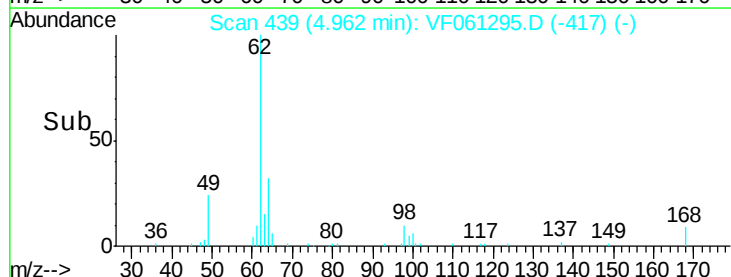
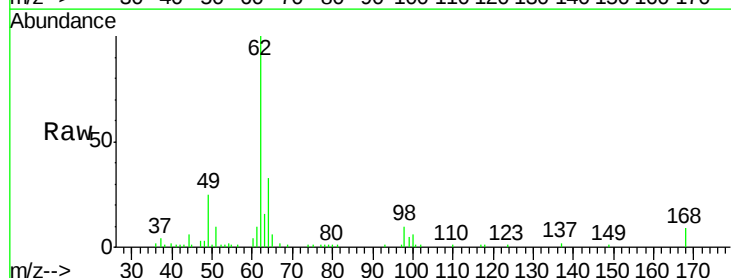
Manual Integrations
APPROVED

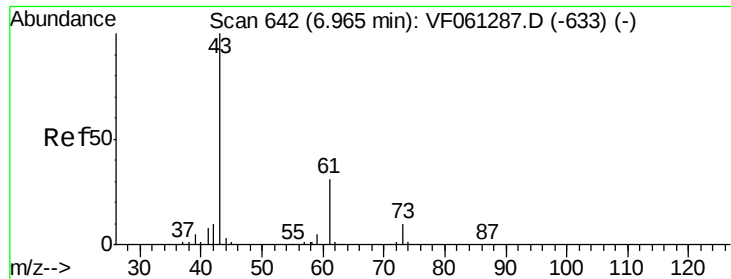
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#42
1,2-Dichloroethane
Concen: 20.727 ug/l
RT: 4.96 min Scan# 439
Delta R.T. 0.02 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion:	62	Resp:	59539
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	16.8





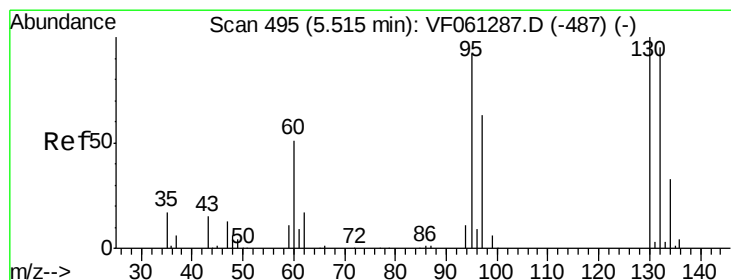
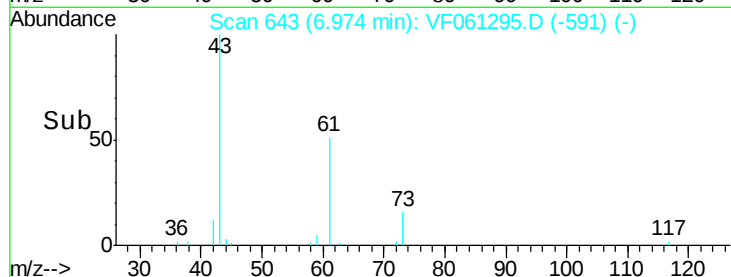
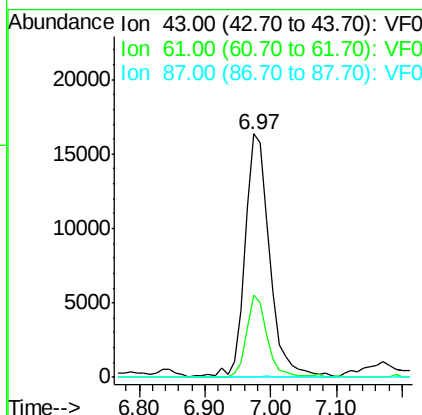
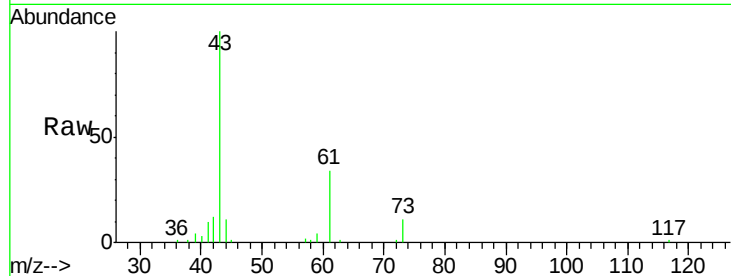
#43
Isopropyl Acetate
Concen: 22.732 ug/l
RT: 6.97 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.6	24.3	36.5
87	0.0	0.2	0.4

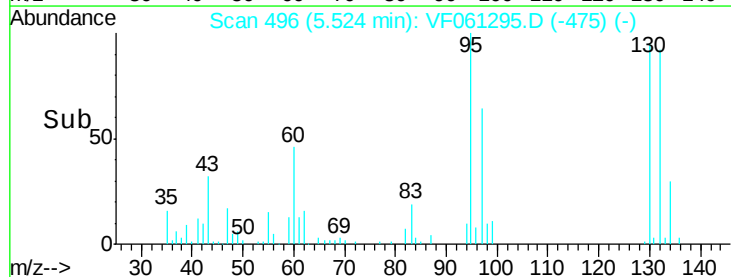
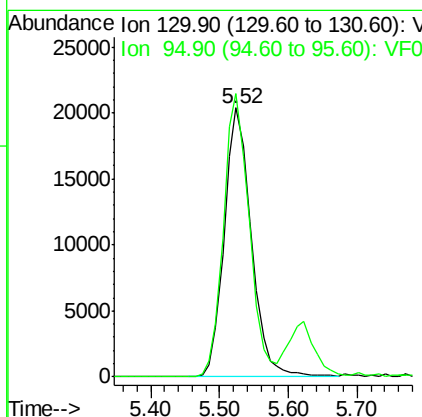
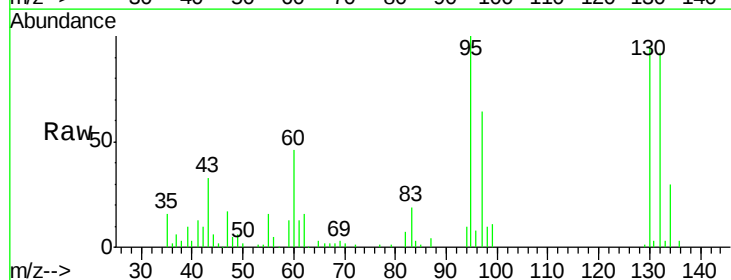
Manual Integrations
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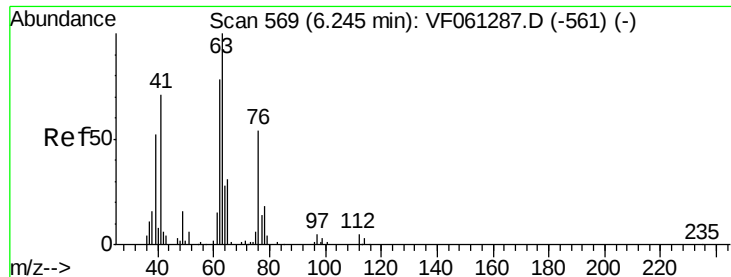
MMDadoda
1/10/2019 2:02:36 PM



#44
Trichloroethene
Concen: 20.589 ug/l
RT: 5.52 min Scan# 496
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	184.4





#45

1,2-Dichloropropane

Concen: 21.333 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBS01

Tot Ion: 63 Resp: 50055

Ion Ratio Lower Upper

63 100

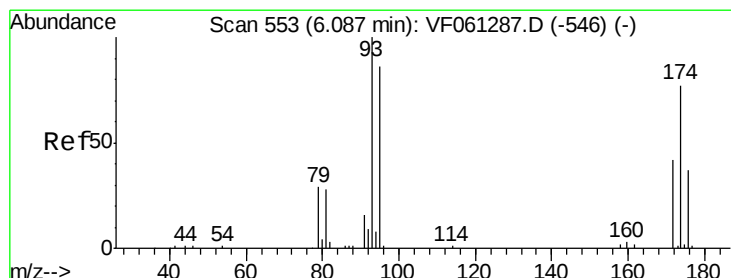
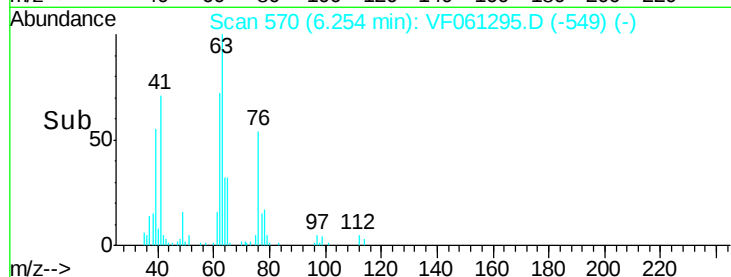
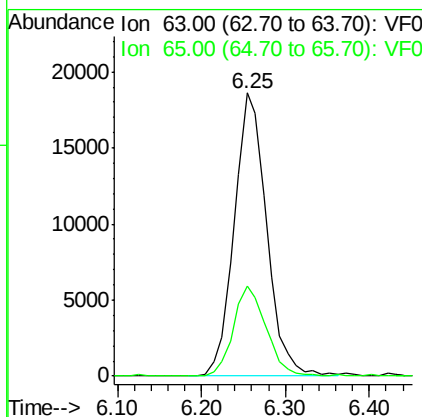
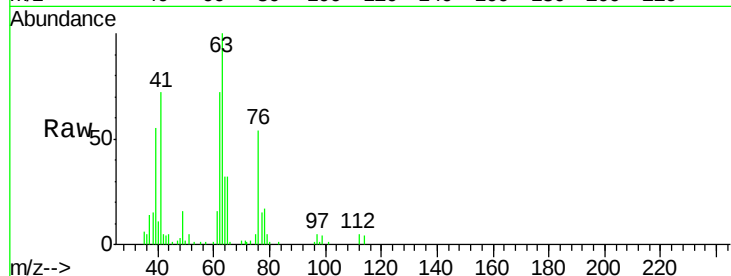
65 31.9 25.1 37.7

Manual Integrations

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#46

Dibromomethane

Concen: 20.772 ug/l

RT: 6.11 min Scan# 555

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

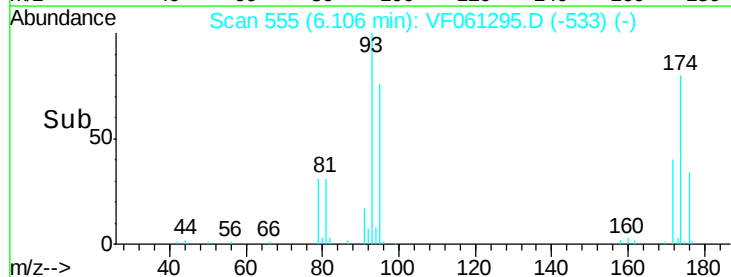
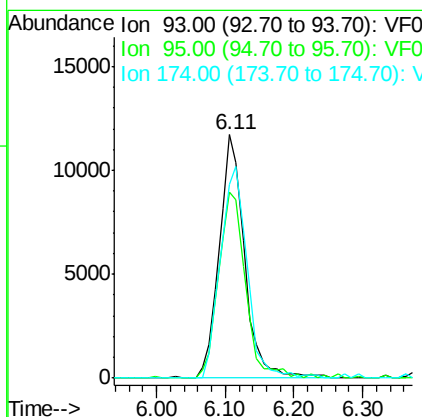
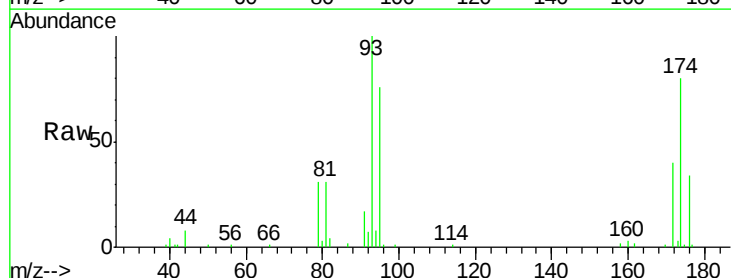
Tgt Ion: 93 Resp: 29925

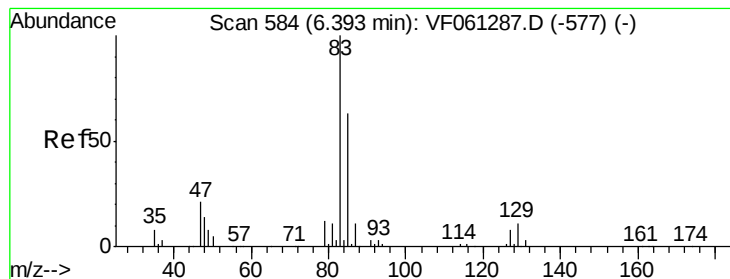
Ion Ratio Lower Upper

93 100

95 76.4 68.8 103.2

174 80.5 62.9 94.3





#47

Bromodichloromethane

Concen: 21.646 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

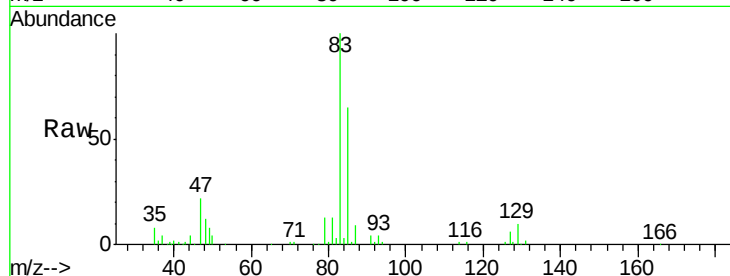
ClientSampleId :

VF0109SBS01

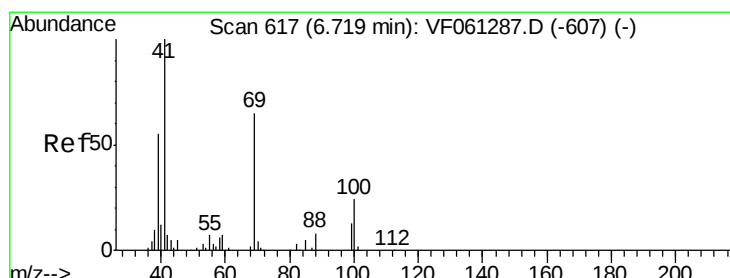
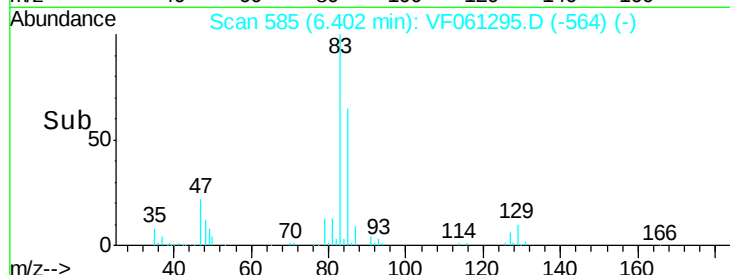
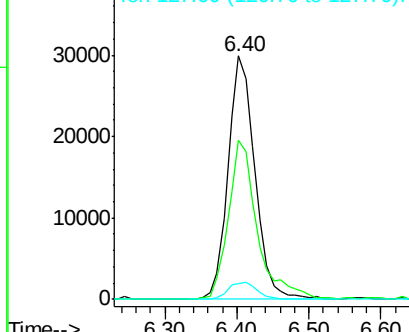
Tot Ion:	83	Resp:	77556
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.4	75.6
127	6.3	6.4	9.6#

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 22.531 ug/l

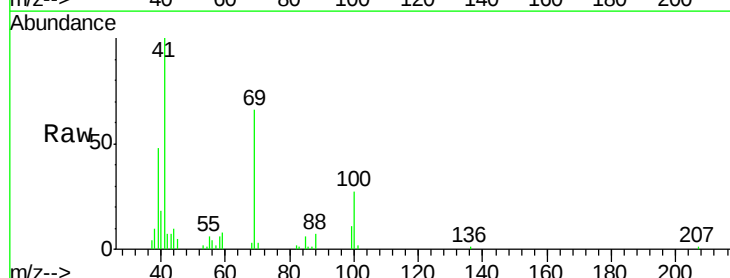
RT: 6.74 min Scan# 619

Delta R.T. 0.02 min

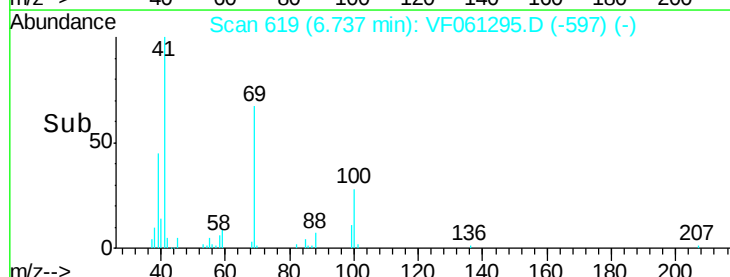
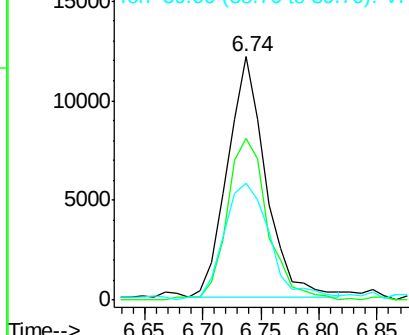
Lab File: VF061295.D

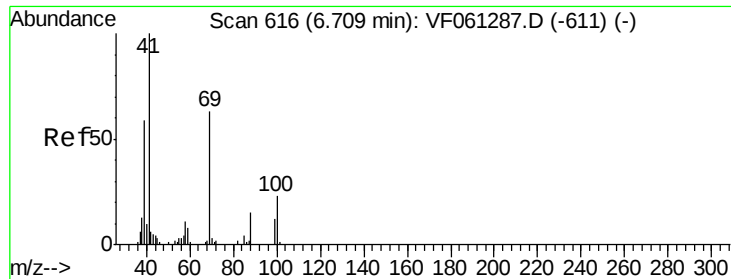
Acq: 9 Jan 2019 12:21

Tgt Ion:	41	Resp:	27788
Ion	Ratio	Lower	Upper
41	100		
69	66.5	51.5	77.3
39	48.2	44.1	66.1



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





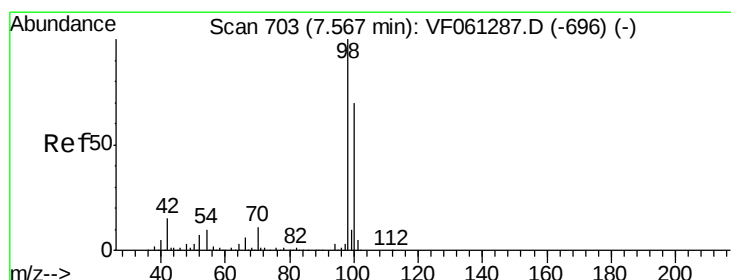
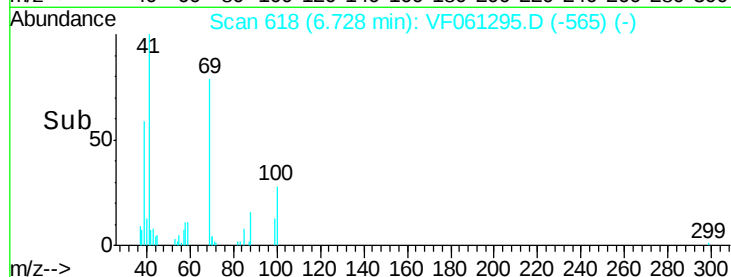
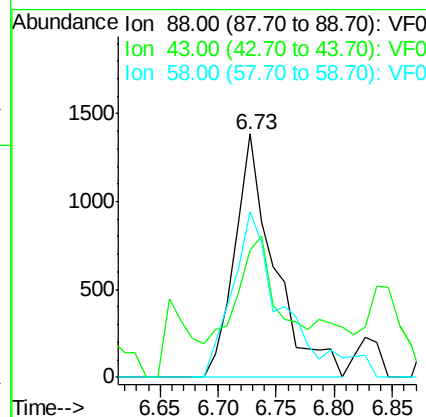
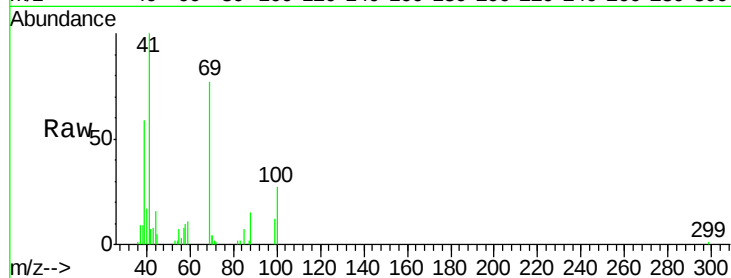
#49
1,4-Dioxane
Concen: 420.964 ug/l
RT: 6.73 min Scan# 618
Delta R.T. 0.02 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion	88	Resp	3276
Ion	Ratio	Lower	Upper
88	100		
43	52.3	38.5	57.7
58	68.1	57.0	85.4

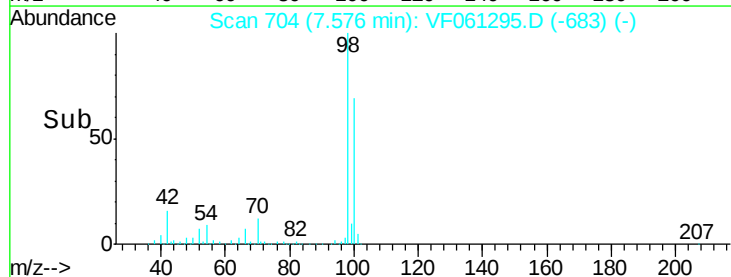
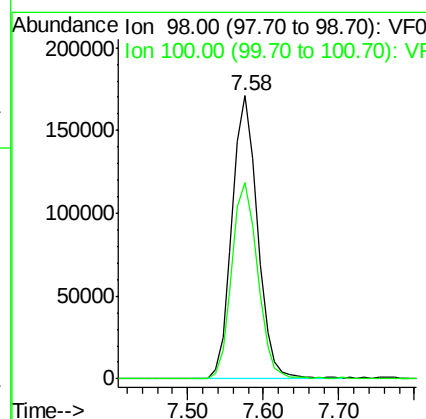
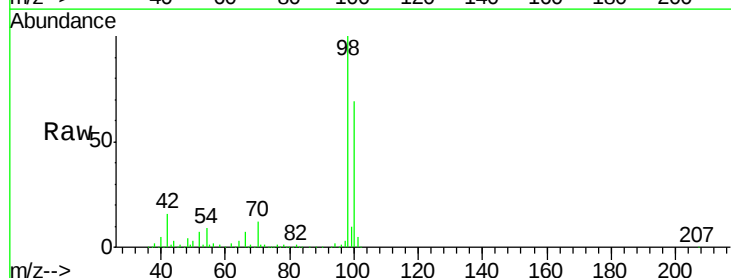
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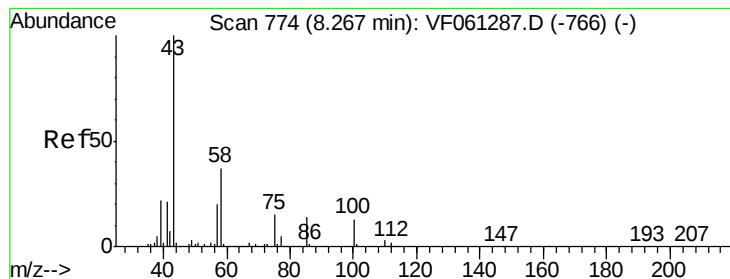
MMDadoda
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#50
Toluene-d8
Concen: 52.229 ug/l
RT: 7.58 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	98	Resp	400242
Ion	Ratio	Lower	Upper
98	100		
100	69.5	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 109.352 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBS01

Tot Ion: 43 Resp: 156830

Ion Ratio Lower Upper

43 100

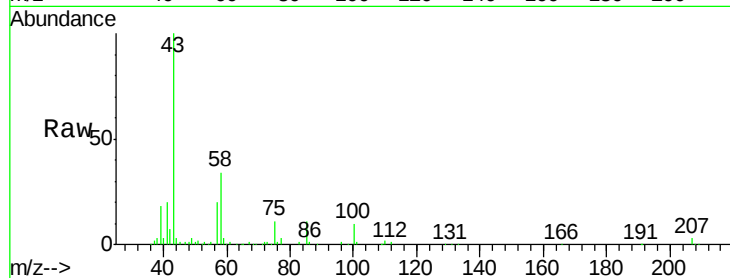
58 34.2 29.6 44.4

Manual Integrations

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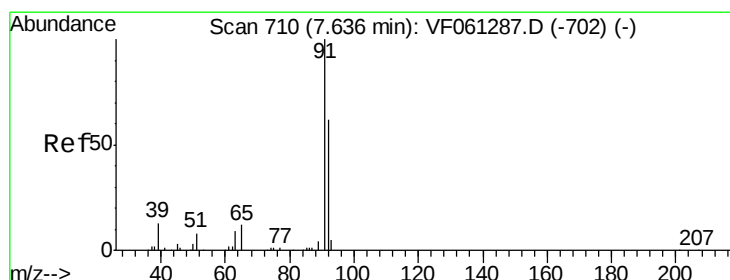
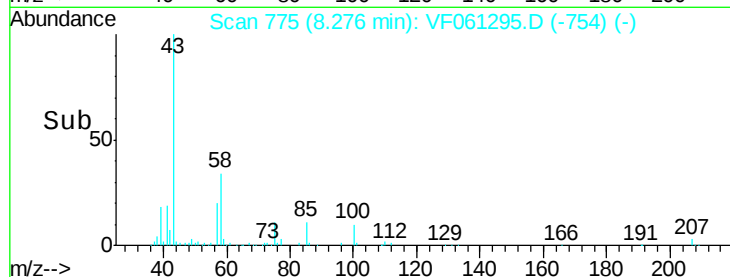
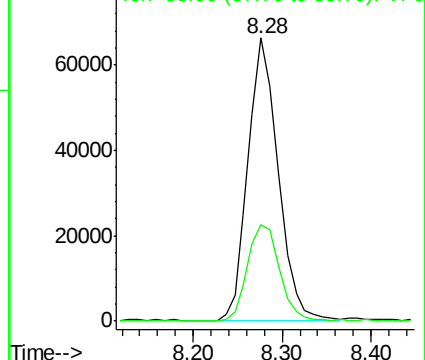
MMDadoda

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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: 20.252 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF061295.D

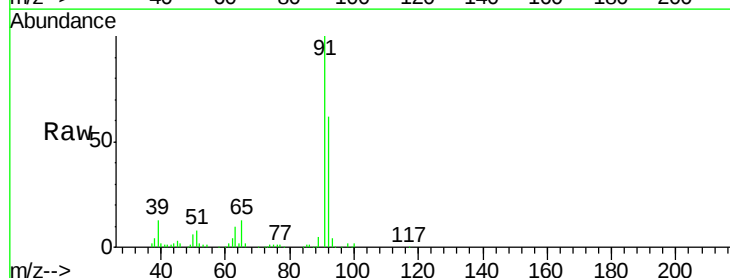
Acq: 9 Jan 2019 12:21

Tgt Ion: 92 Resp: 120107

Ion Ratio Lower Upper

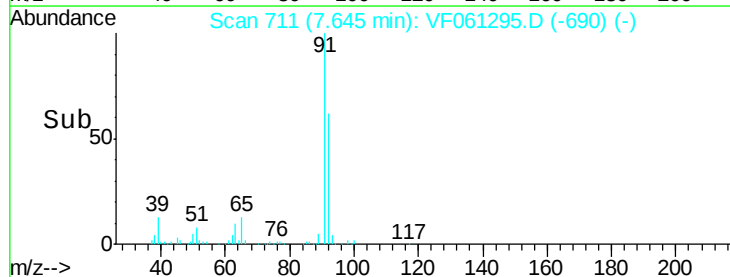
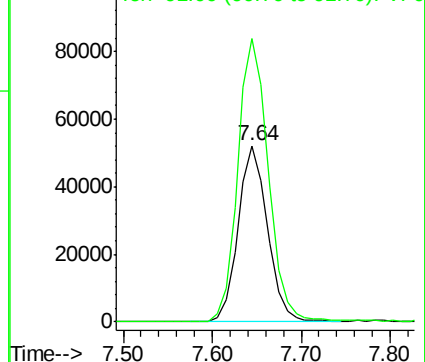
92 100

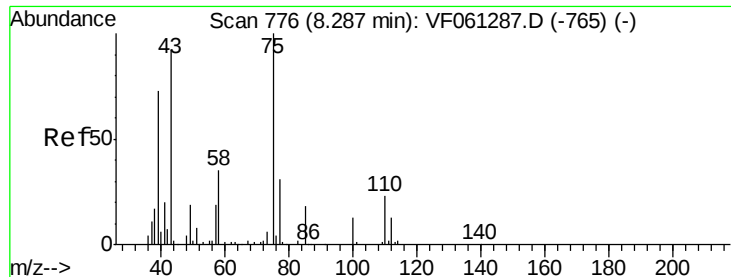
91 160.9 129.2 193.8



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: 21.515 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBS01

Tot Ion: 75 Resp: 60536

Ion Ratio Lower Upper

75 100

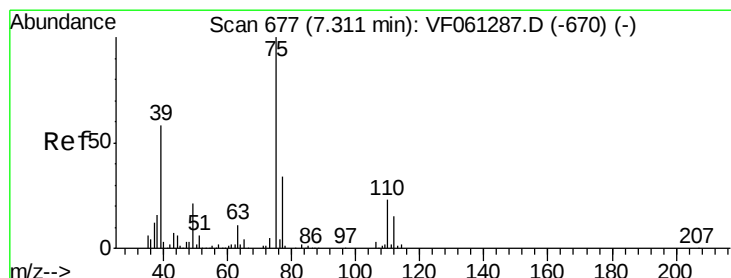
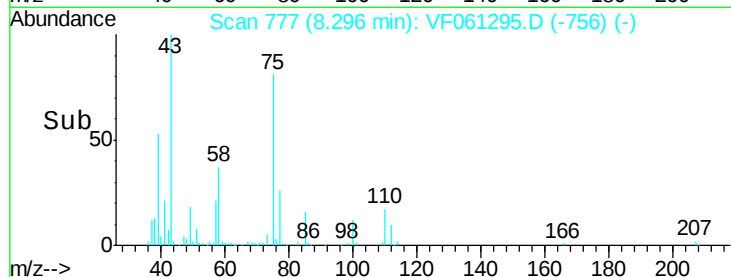
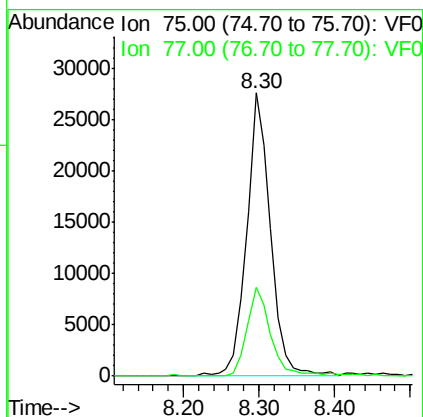
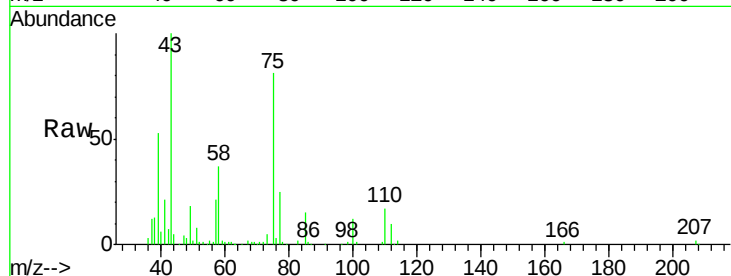
77 31.5 24.7 37.1

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 22.444 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

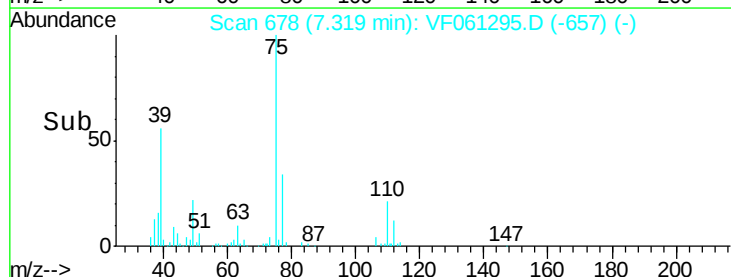
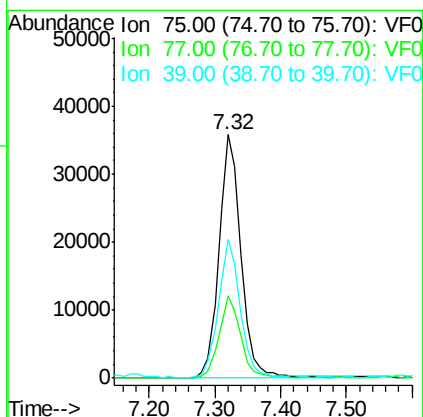
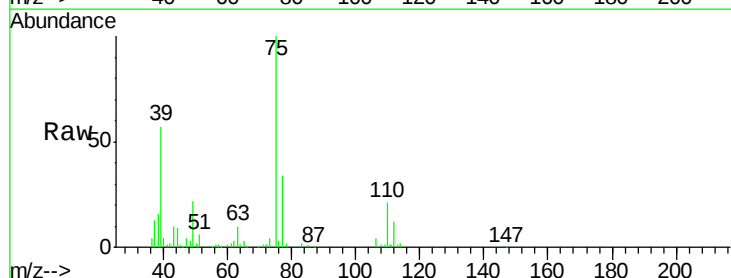
Tgt Ion: 75 Resp: 83732

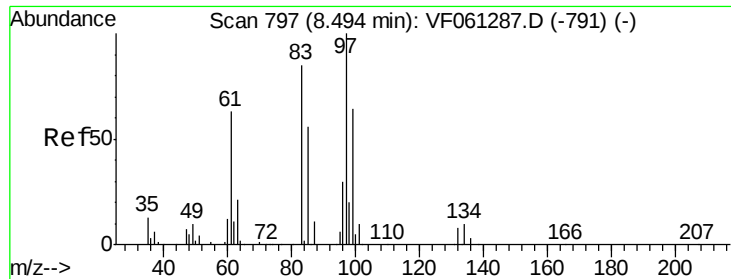
Ion Ratio Lower Upper

75 100

77 33.9 27.3 40.9

39 56.8 46.3 69.5





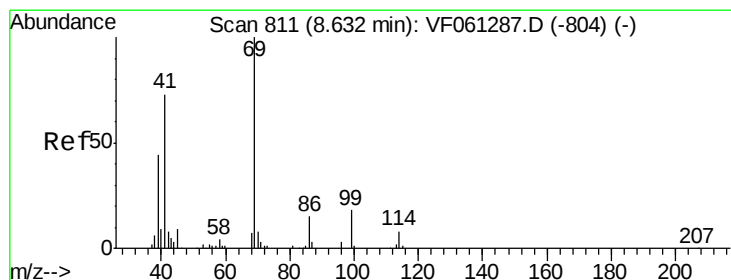
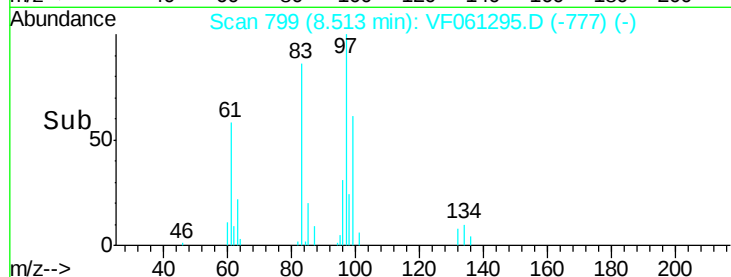
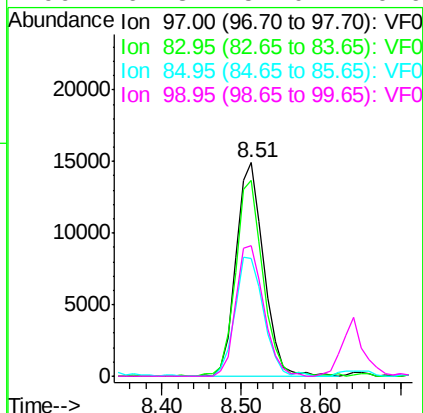
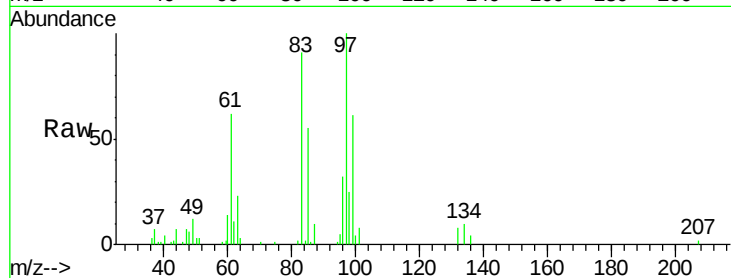
#55
 1,1,2-Trichloroethane
 Concen: 21.710 ug/l
 RT: 8.51 min Scan# 799
 Delta R.T. 0.02 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBS01

Tot Ion:	97	Resp:	36028
Ion	Ratio	Lower	Upper
97	100		
83	91.5	67.8	101.6
85	55.3	45.1	67.7
99	61.3	51.0	76.6

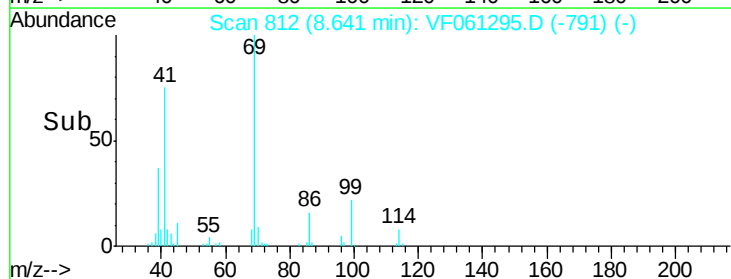
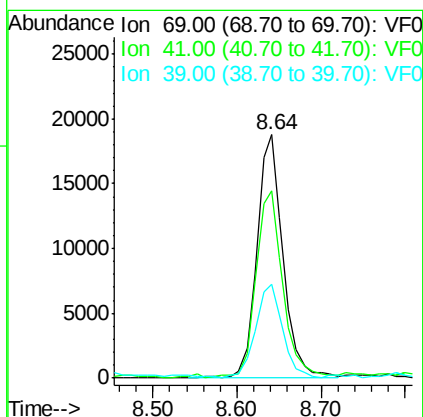
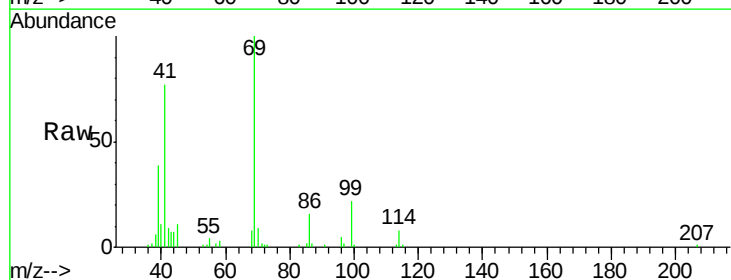
Manual Integrations
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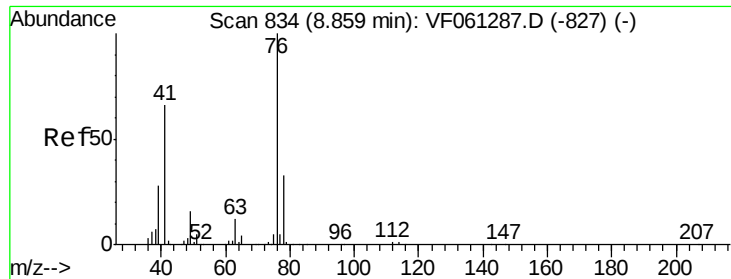
MMDadoda
 1/10/2019 2:02:36 PM



#56
 Ethyl methacrylate
 Concen: 22.035 ug/l
 RT: 8.64 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Tgt Ion:	69	Resp:	40869
Ion	Ratio	Lower	Upper
69	100		
41	76.8	59.0	88.4
39	38.5	35.3	52.9





#57

1,3-Dichloropropane

Concen: 21.694 ug/l

RT: 8.88 min Scan# 836

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBS01

Tot Ion: 76 Resp: 63716

Ion Ratio Lower Upper

76 100

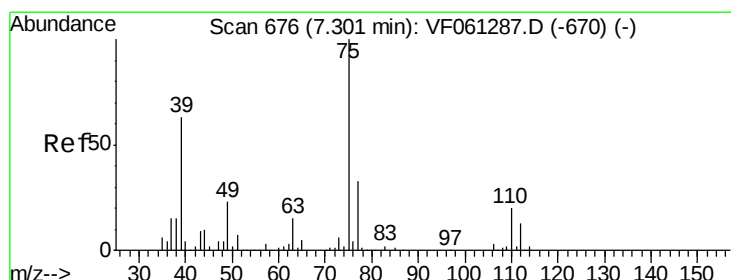
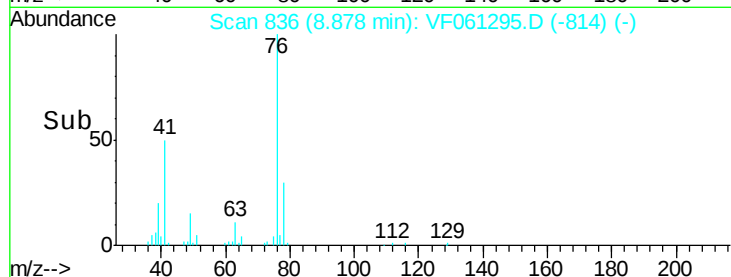
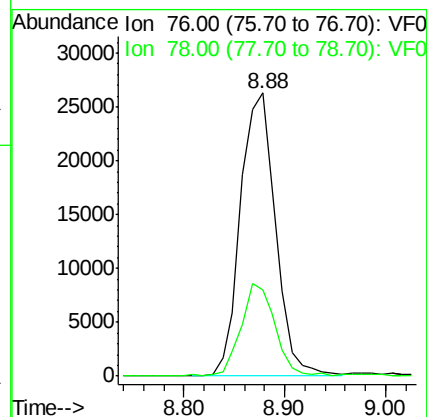
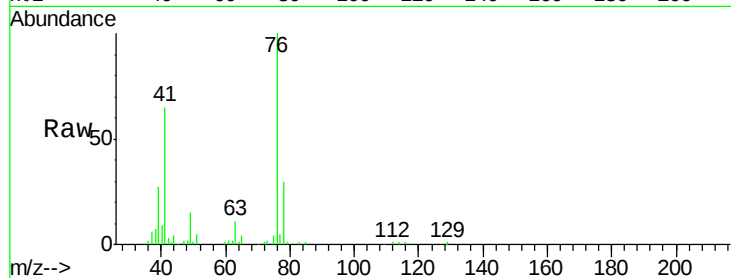
78 30.4 26.8 40.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 106.439 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.02 min

Lab File: VF061295.D

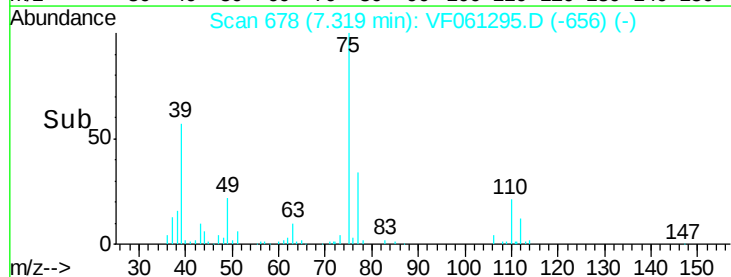
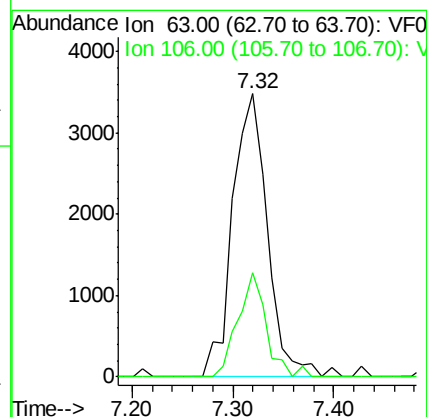
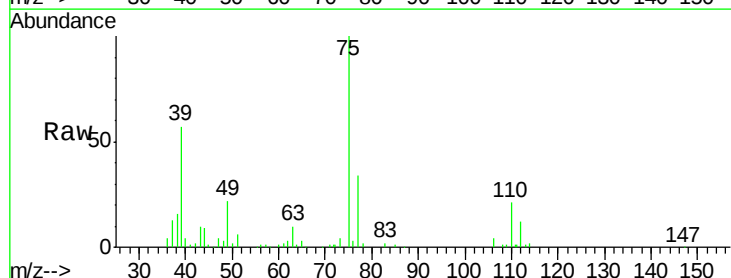
Acq: 9 Jan 2019 12:21

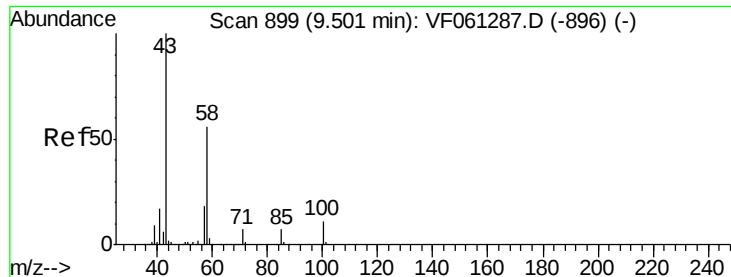
Tgt Ion: 63 Resp: 8413

Ion Ratio Lower Upper

63 100

106 36.7 16.5 24.7#





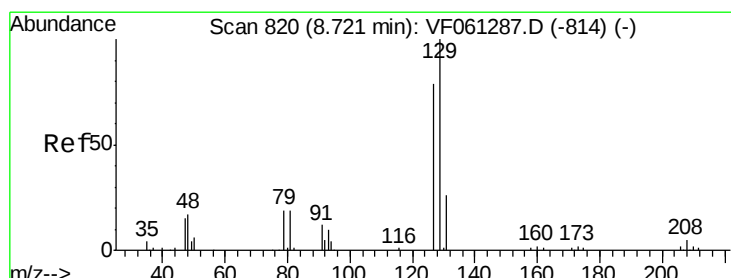
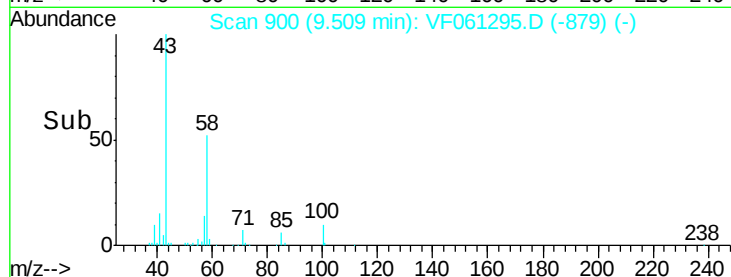
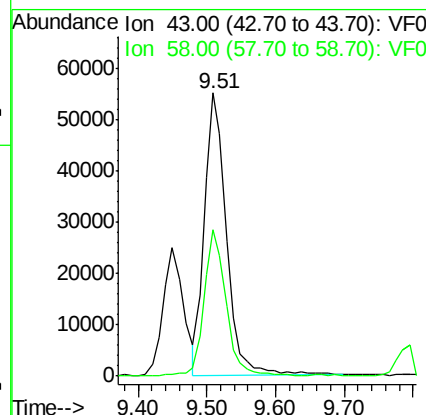
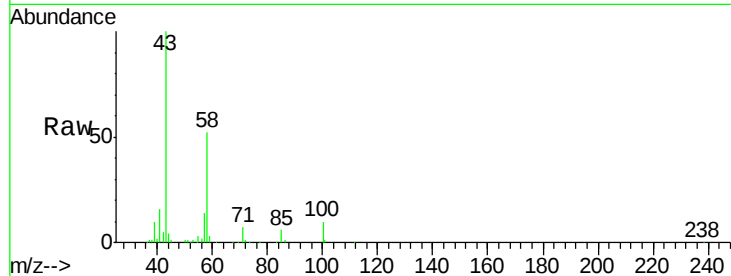
#59
2-Hexanone
Concen: 120.777 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion: 43 Resp: 122715
Ion Ratio Lower Upper
43 100
58 51.6 25.6 76.8

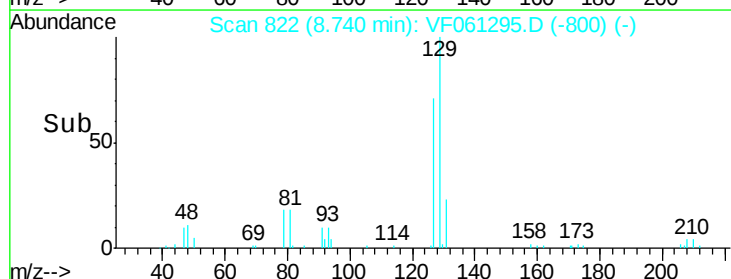
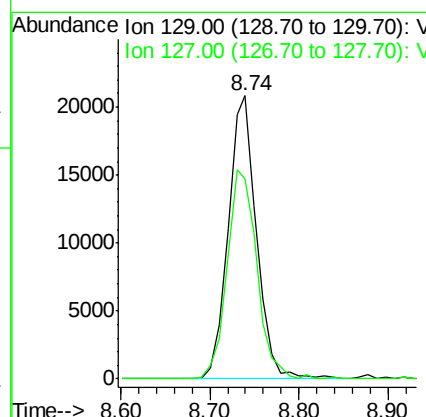
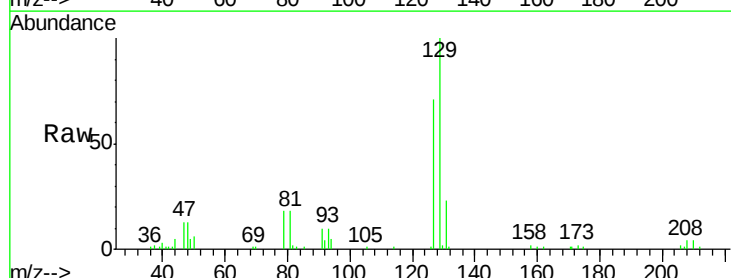
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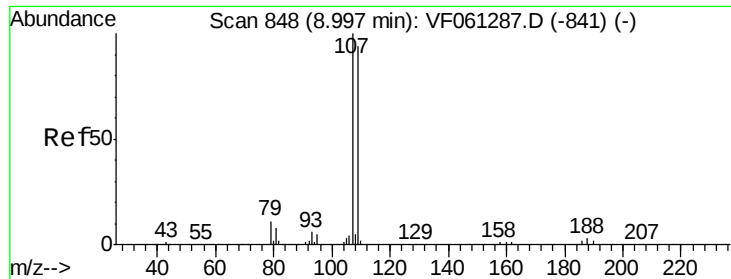
MMDadoda
1/10/2019 2:02:36 PM



#60
Dibromochloromethane
Concen: 21.007 ug/l
RT: 8.74 min Scan# 822
Delta R.T. 0.02 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion: 129 Resp: 46421
Ion Ratio Lower Upper
129 100
127 70.9 39.4 118.1





#61

1,2-Dibromoethane

Concen: 21.276 ug/l

RT: 9.01 min Scan# 849

Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBS01

Tot Ion: 107 Resp: 35992

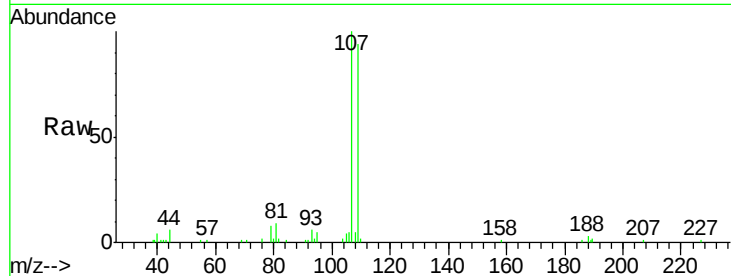
Ion Ratio Lower Upper

107 100

109 94.5 75.1 112.7

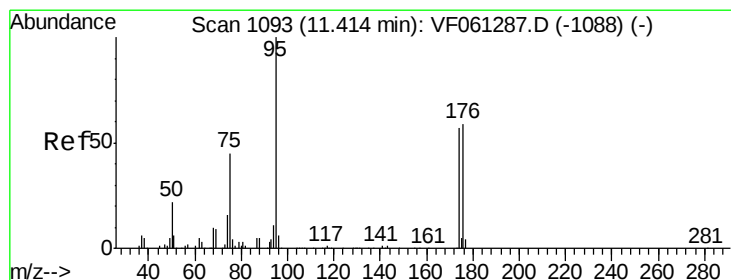
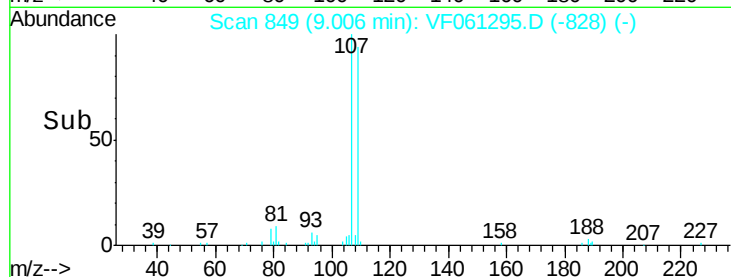
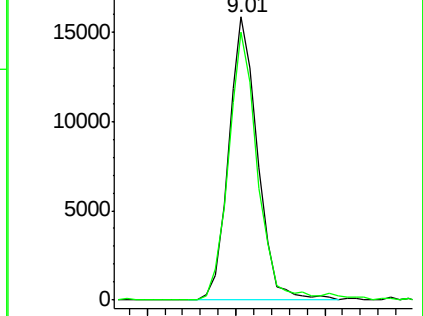
Manual Integrations
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.084 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

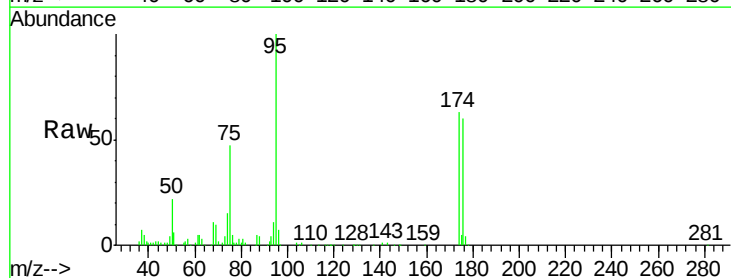
Tgt Ion: 95 Resp: 174285

Ion Ratio Lower Upper

95 100

174 63.0 0.0 114.2

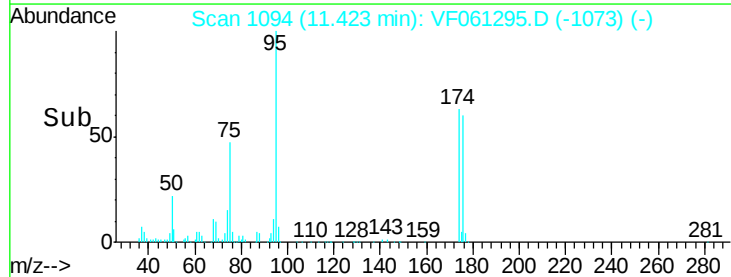
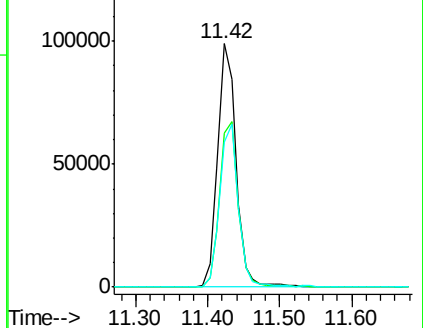
176 59.8 0.0 117.8

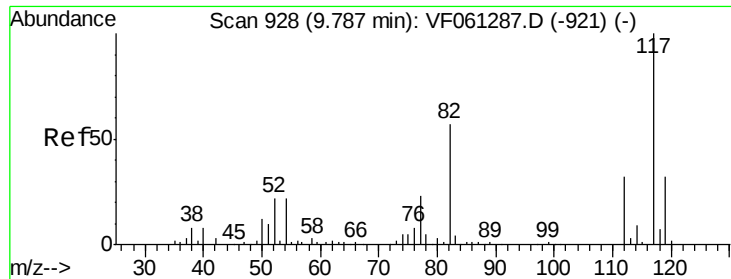


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





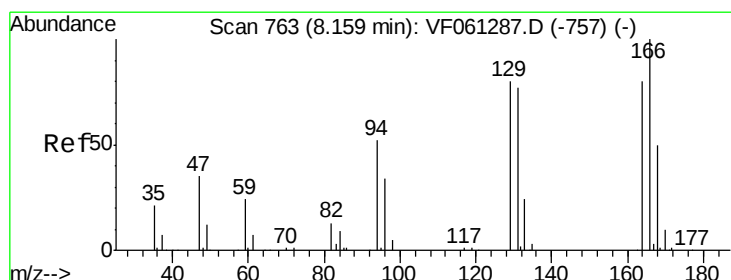
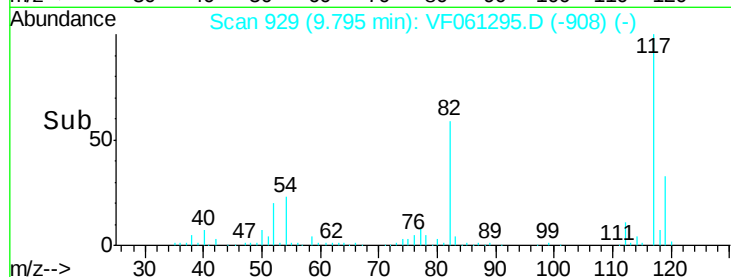
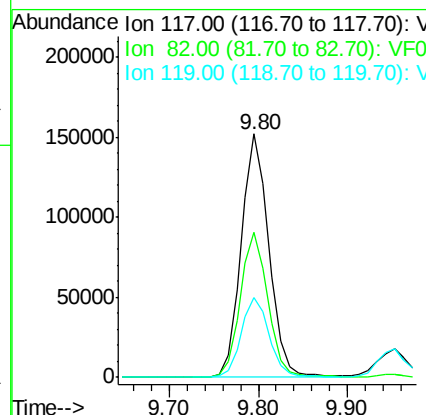
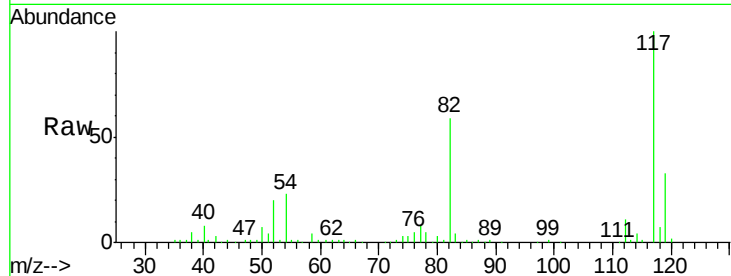
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	45.3	67.9
119	33.0	25.4	38.0

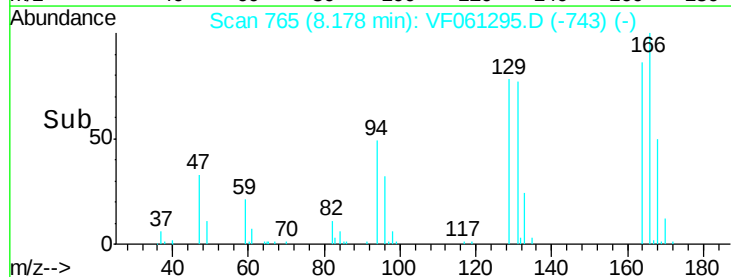
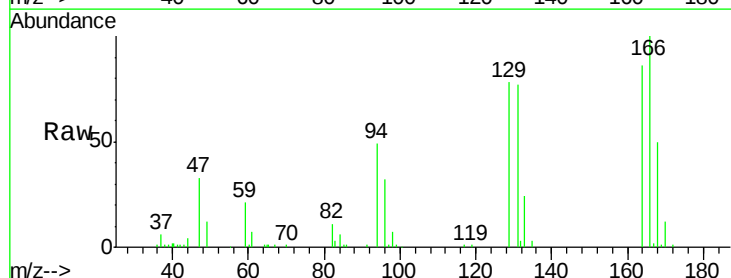
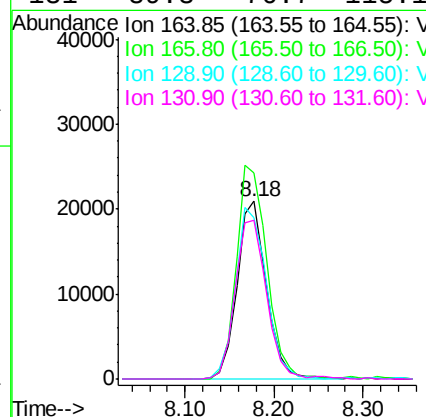
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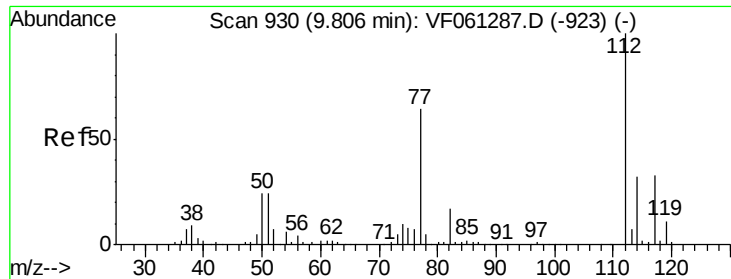
MMDadoda
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#64
Tetrachloroethene
Concen: 20.036 ug/l
RT: 8.18 min Scan# 765
Delta R.T. 0.02 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.2	100.1	150.1
129	90.9	80.1	120.1
131	89.3	76.7	115.1





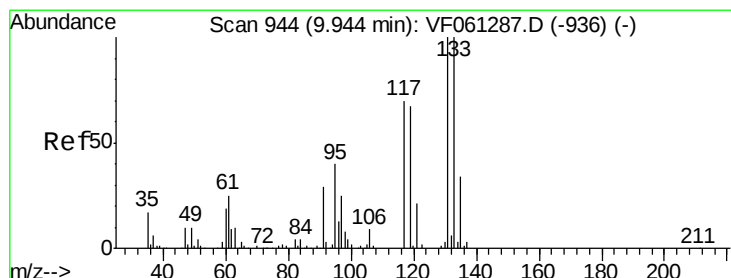
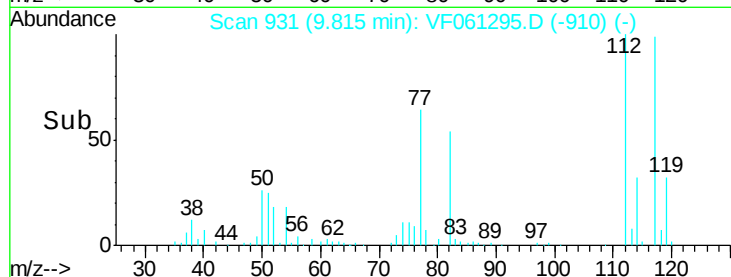
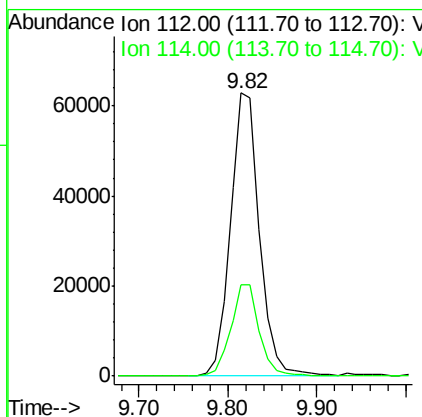
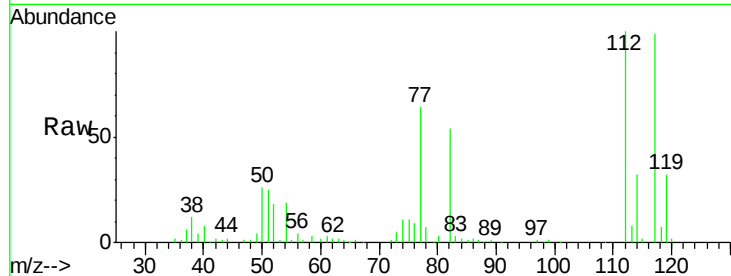
#65
Chlorobenzene
Concen: 21.508 ug/l
RT: 9.82 min Scan# 931
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion:112 Resp: 143432
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

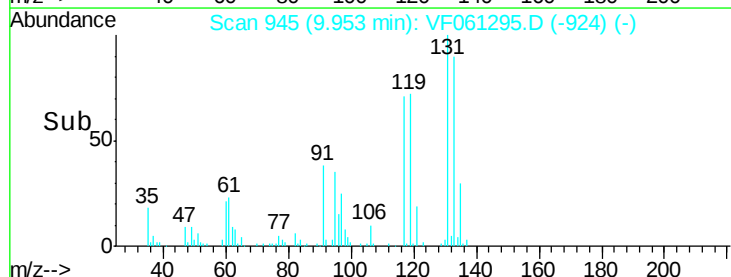
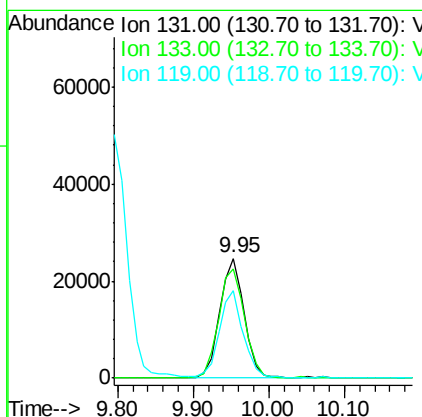
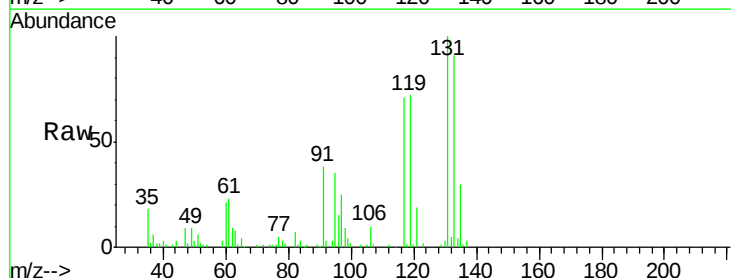
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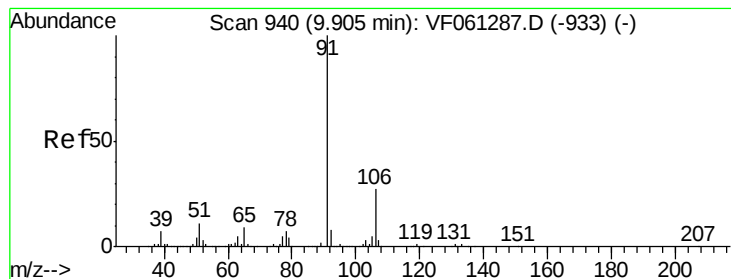
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.359 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion:131 Resp: 55401
Ion Ratio Lower Upper
131 100
133 90.8 49.9 149.6
119 72.4 33.9 101.6





#67

Ethyl Benzene

Concen: 21.094 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.02 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Tot Ion: 91 Resp: 271227

Ion Ratio Lower Upper

91 100

106 29.6 21.4 32.2

Instrument :

MSVOA_F

ClientSampleId :

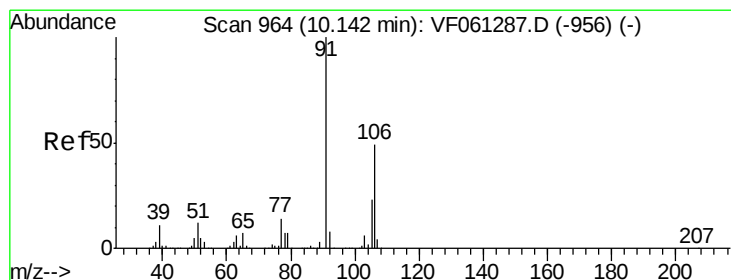
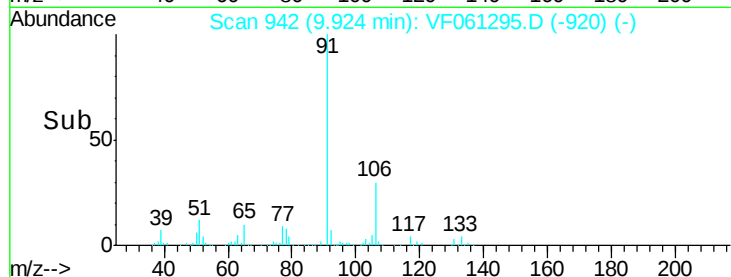
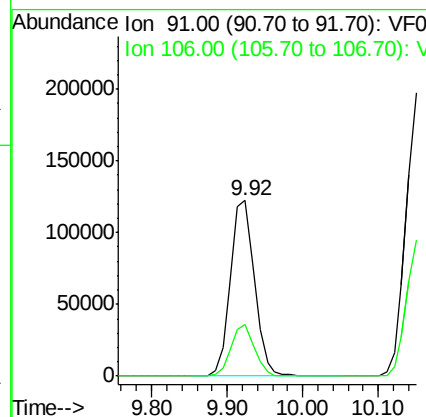
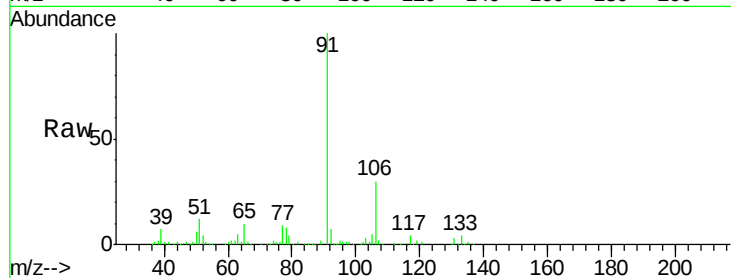
VF0109SBS01

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#68

m/p-Xylenes

Concen: 43.177 ug/l

RT: 10.15 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF061295.D

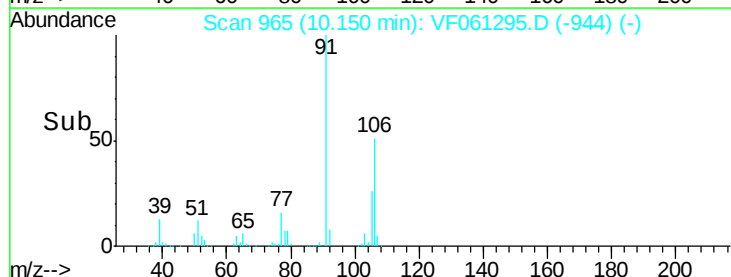
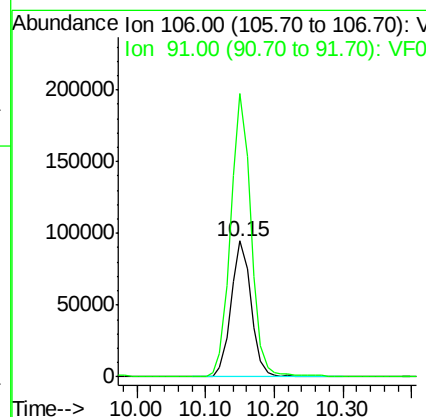
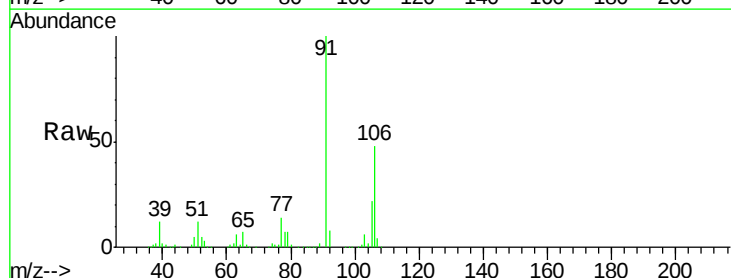
Acq: 9 Jan 2019 12:21

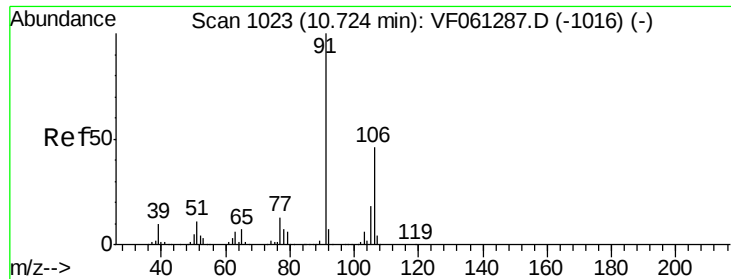
Tgt Ion: 106 Resp: 193657

Ion Ratio Lower Upper

106 100

91 208.1 165.0 247.6





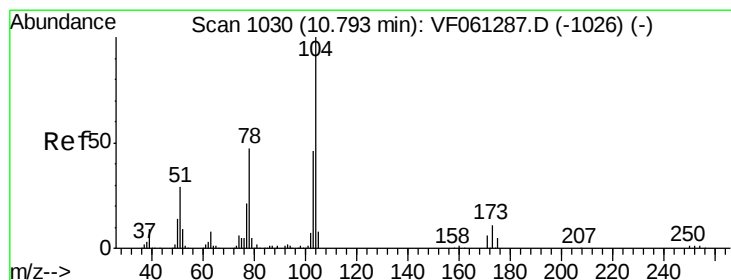
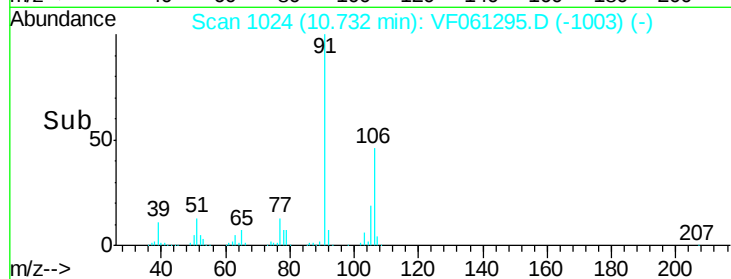
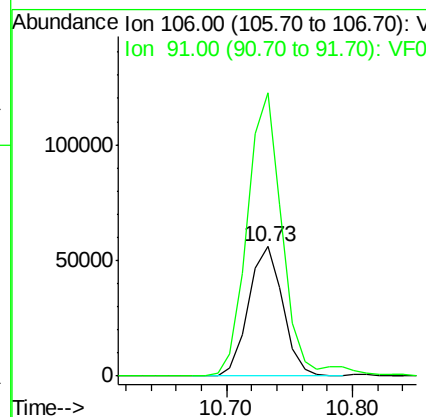
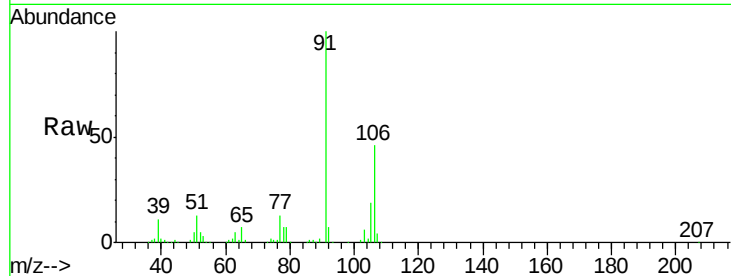
#69
o-Xylene
Concen: 21.202 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampled :
VF0109SBS01

Tot Ion:106 Resp: 106229
Ion Ratio Lower Upper
106 100
91 218.4 108.1 324.4

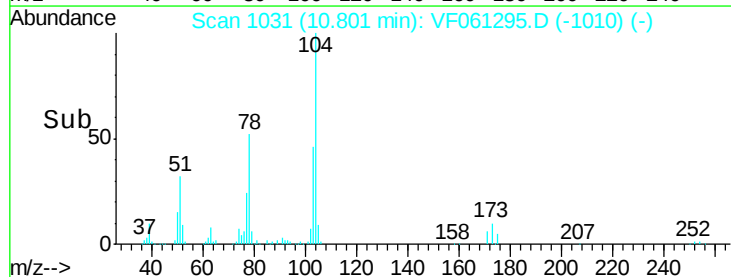
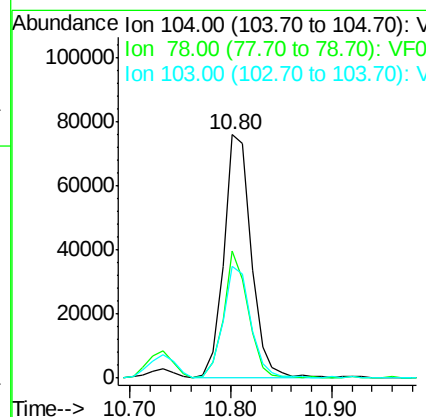
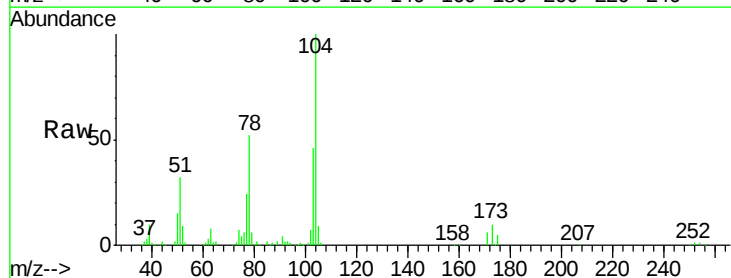
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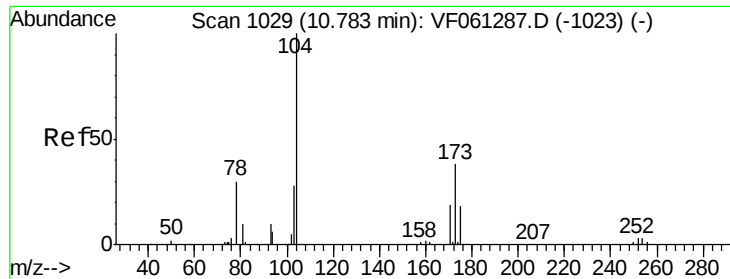
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#70
Styrene
Concen: 21.647 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion:104 Resp: 144484
Ion Ratio Lower Upper
104 100
78 52.4 38.0 57.0
103 46.2 36.7 55.1





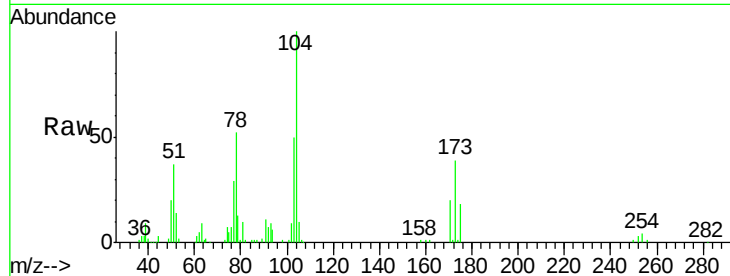
#71
Bromoform
Concen: 20.820 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

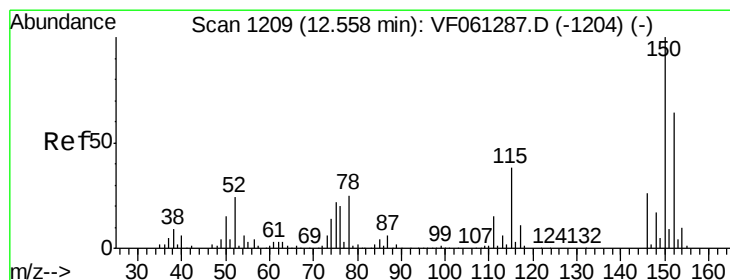
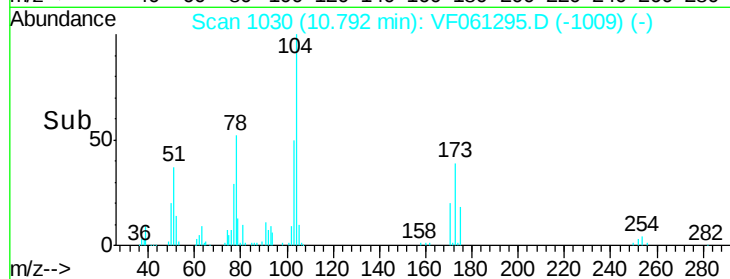
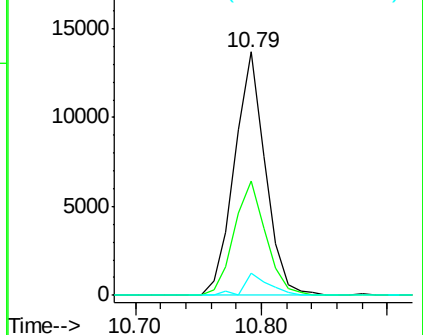
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.1	72.2
254	9.2	0.0	0.0#

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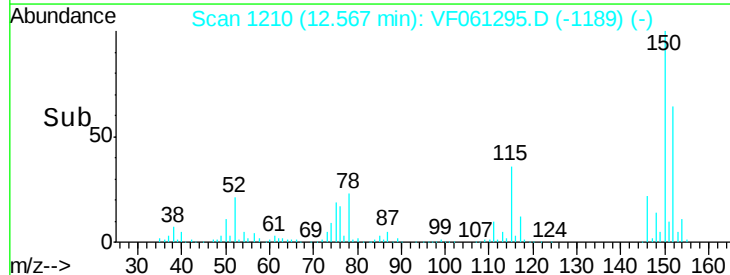
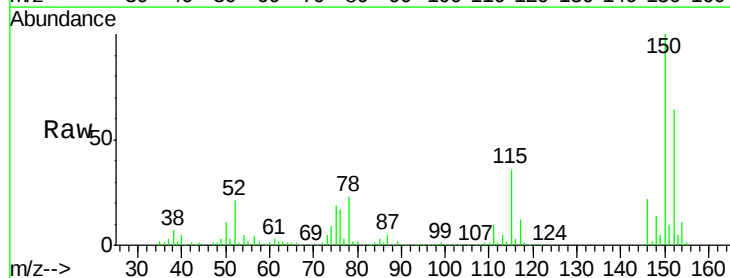
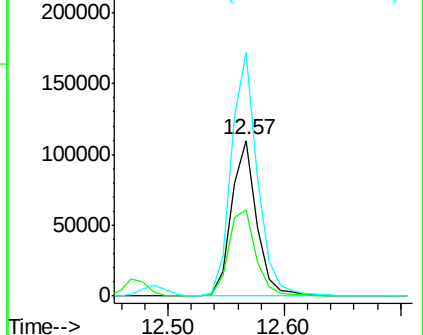
Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

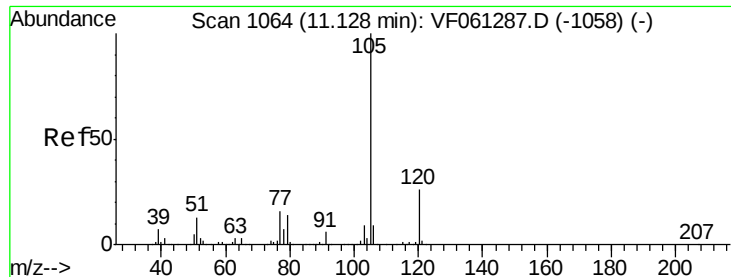


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	29.6	88.9
150	156.5	0.0	315.4

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





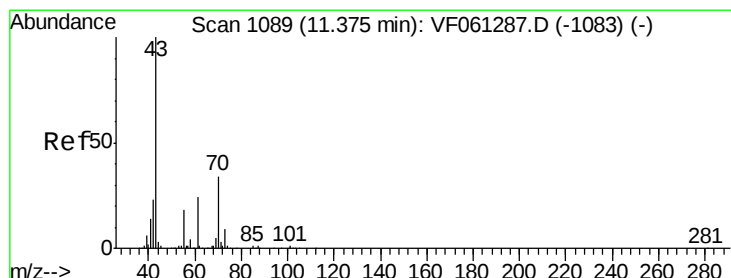
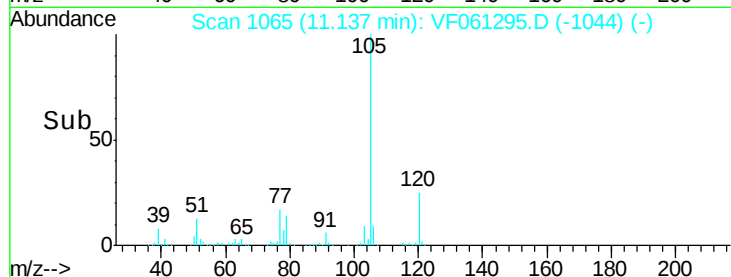
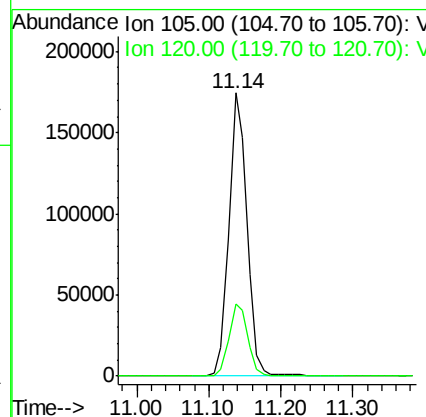
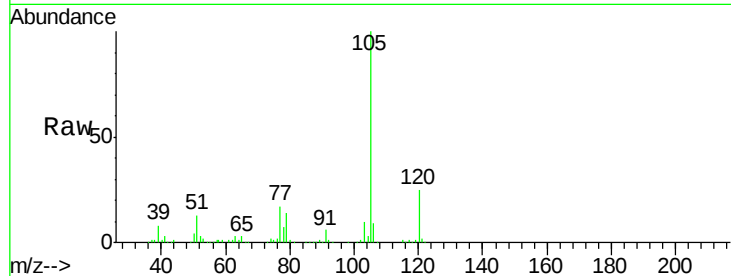
#73
Isopropylbenzene
Concen: 20.804 ug/l
RT: 11.14 min Scan# 1065
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.9	38.7

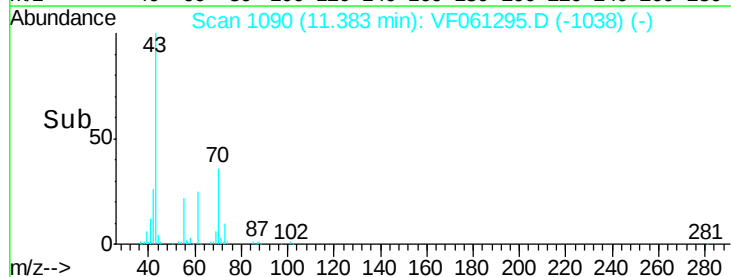
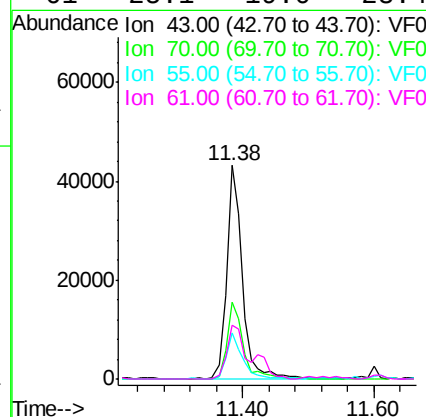
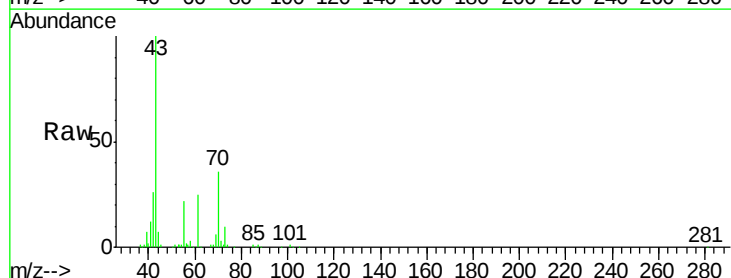
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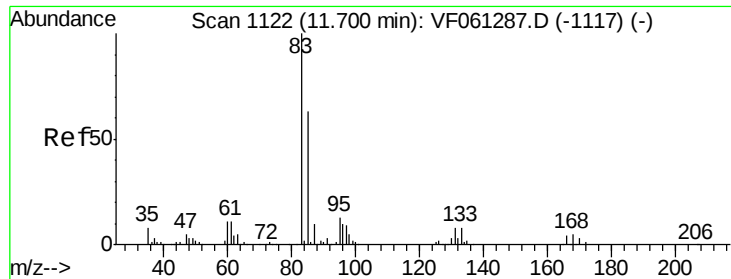
MMDadoda
1/10/2019 2:02:36 PM



#74
N-ethyl acetate
Concen: 21.856 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.8	27.4	41.0
55	21.7	14.7	22.1
61	25.1	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.161 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

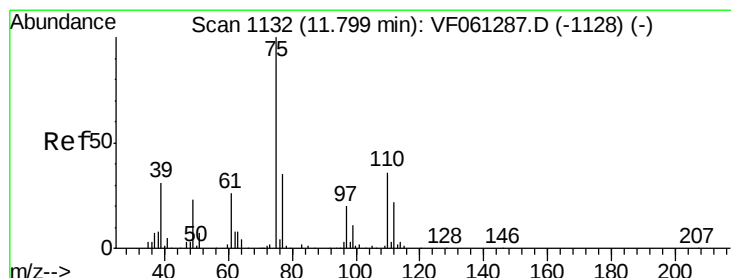
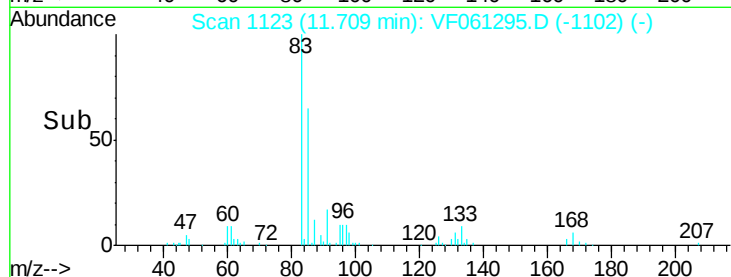
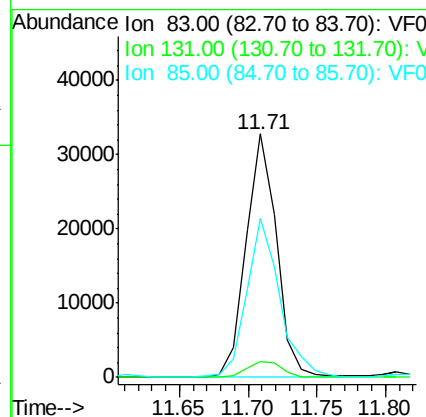
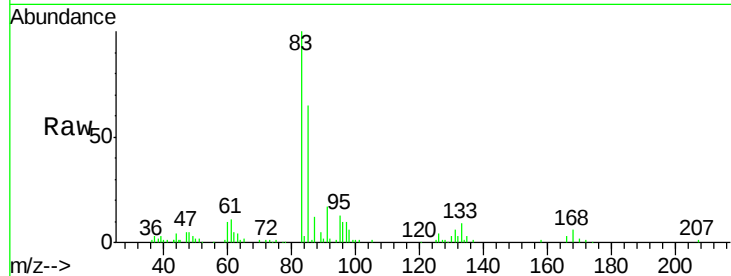
ClientSampleId :

VF0109SBS01

Tot Ion	83	Resp	51017
Ion	Ratio	Lower	Upper
83	100		
131	6.4	3.9	11.7
85	65.4	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.472 ug/l

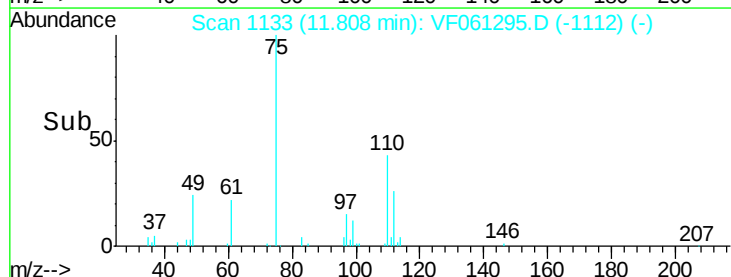
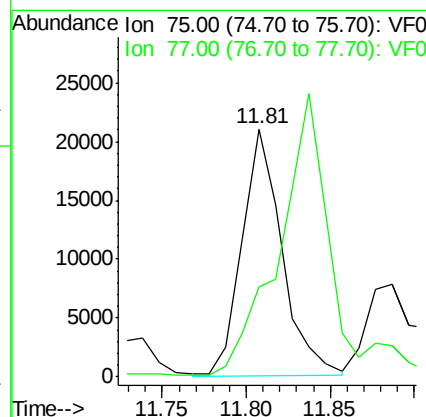
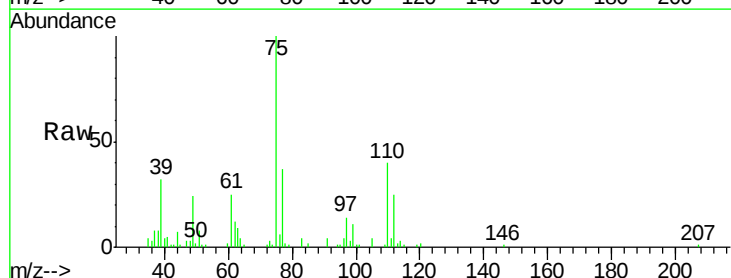
RT: 11.81 min Scan# 1133

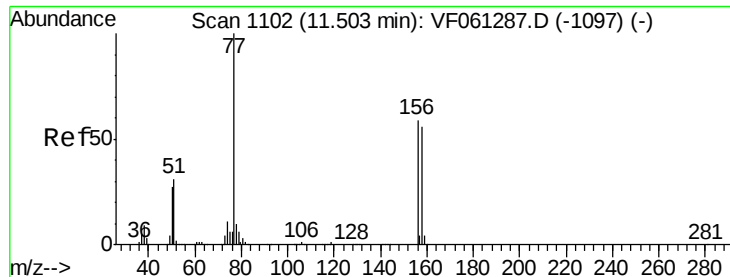
Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Tgt Ion	75	Resp	34566
Ion	Ratio	Lower	Upper
75	100		
77	36.6	17.5	52.5





#77

Bromobenzene

Concen: 20.854 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

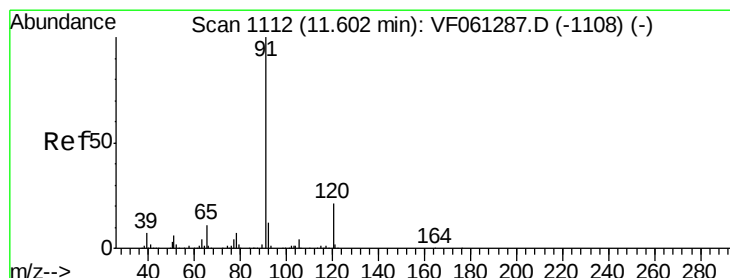
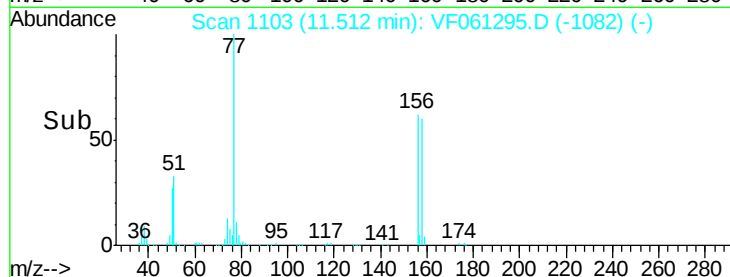
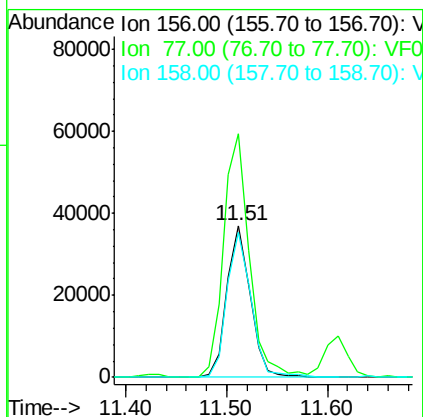
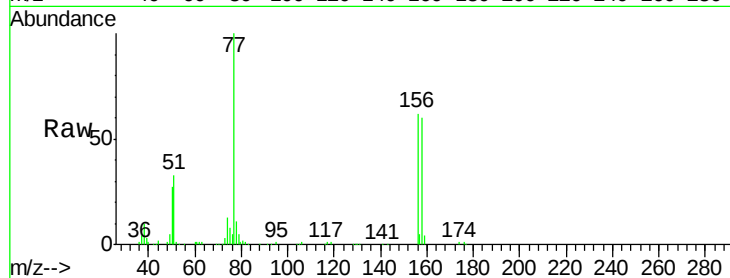
ClientSampleId :

VF0109SBS01

Tot Ion:	156	Resp:	60238
Ion Ratio	Lower	Upper	
156	100		
77	160.6	84.3	252.9
158	95.6	47.1	141.3

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#78

n-propylbenzene

Concen: 21.827 ug/l

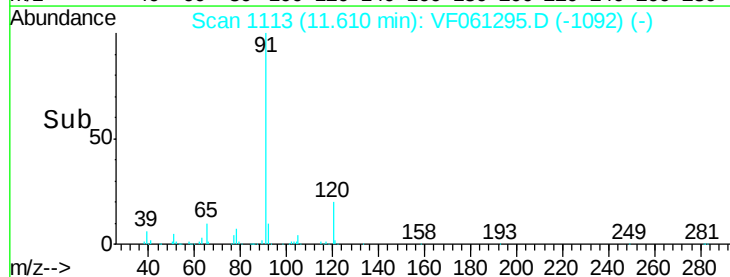
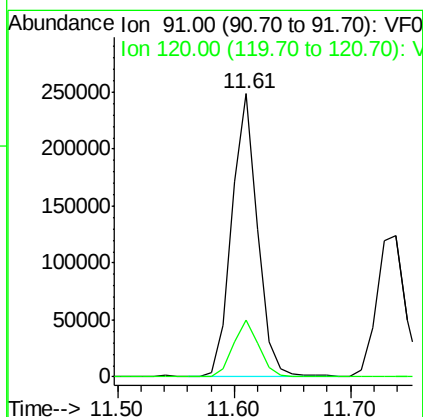
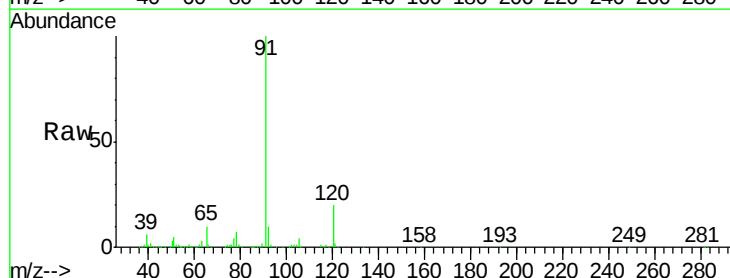
RT: 11.61 min Scan# 1113

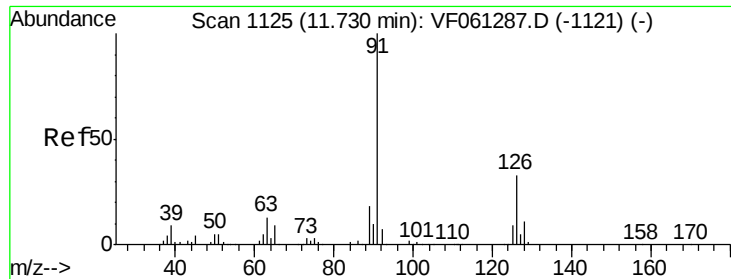
Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Tgt Ion:	91	Resp:	377864
Ion Ratio	Lower	Upper	
91	100		
120	20.1	10.7	32.1





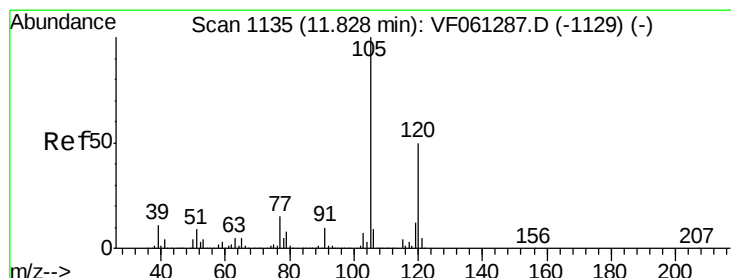
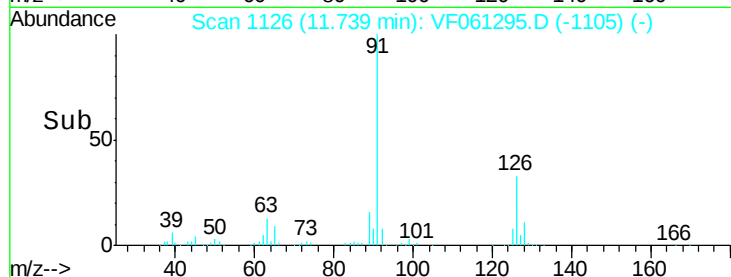
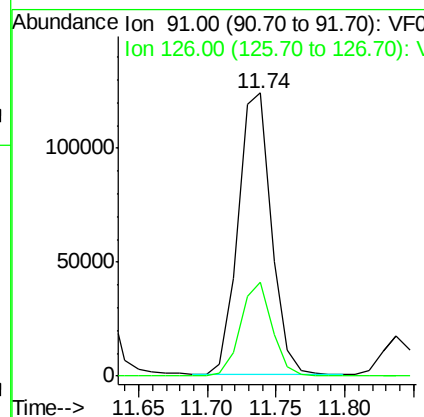
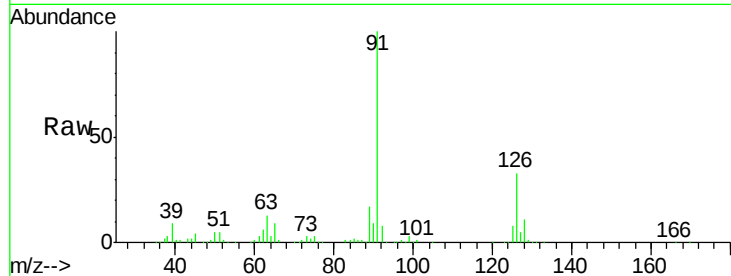
#79
 2-Chlorotoluene
 Concen: 21.596 ug/l
 RT: 11.74 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBS01

Tot Ion: 91 Resp: 208295
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.6 49.8

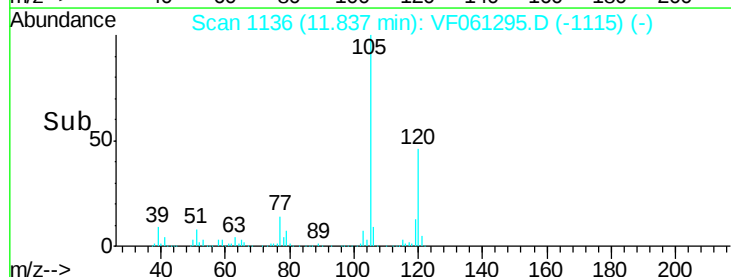
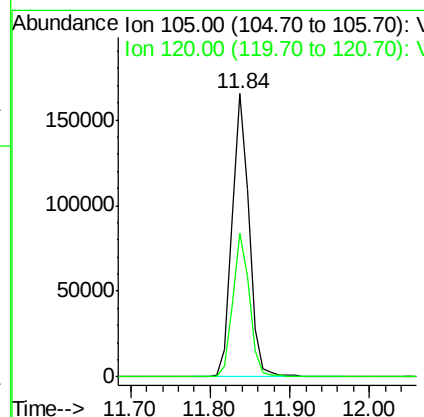
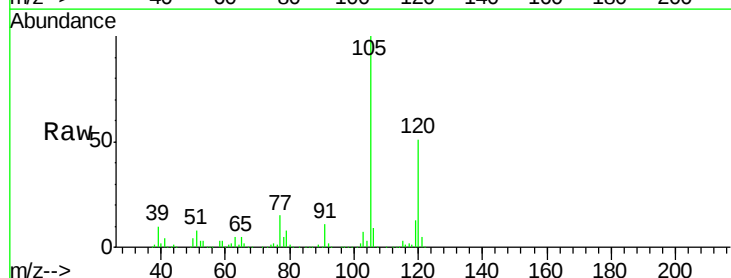
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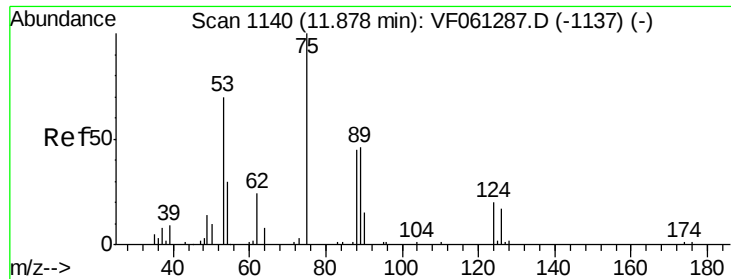
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.751 ug/l
 RT: 11.84 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Tgt Ion: 105 Resp: 251296
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.2 75.6





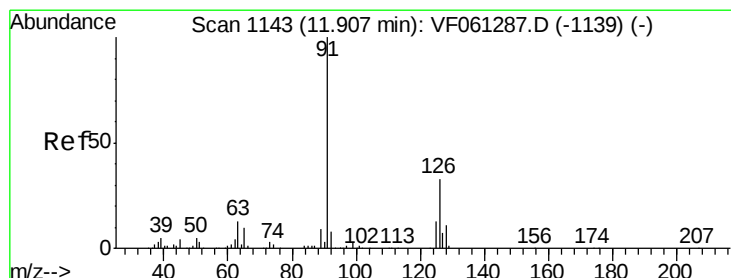
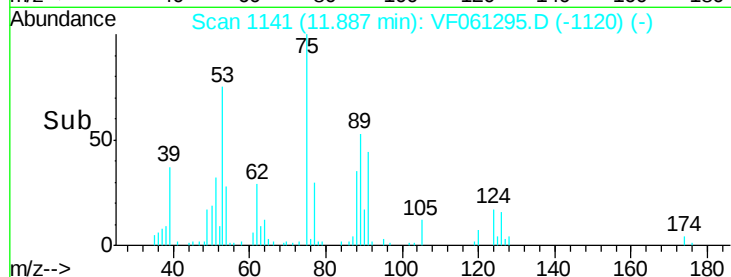
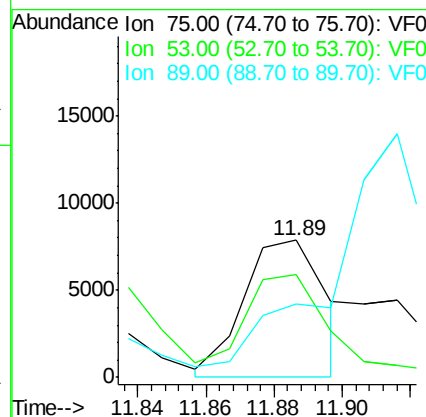
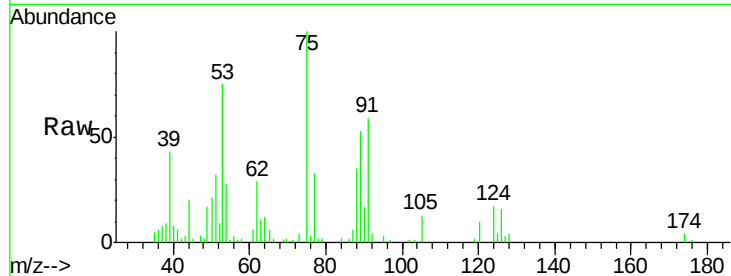
#81
trans-1,4-Dichloro-2-butene
Concen: 17.709 ug/l m
RT: 11.89 min Scan# 1141
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	75.4	62.2	93.2
89	53.5	40.2	60.4

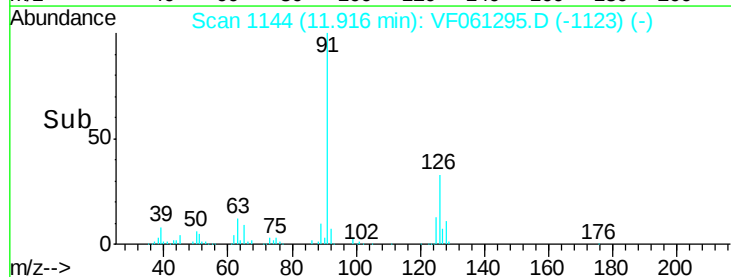
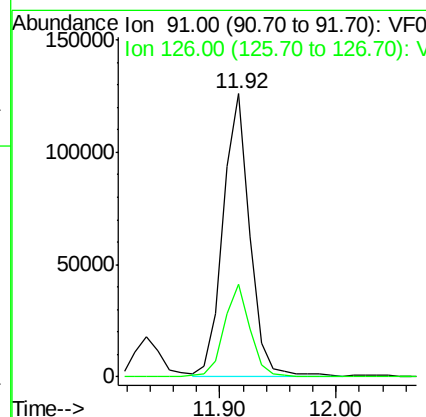
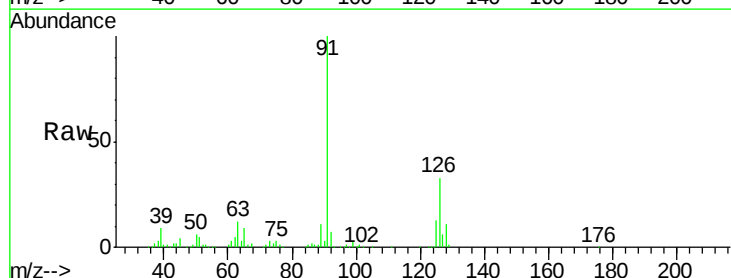
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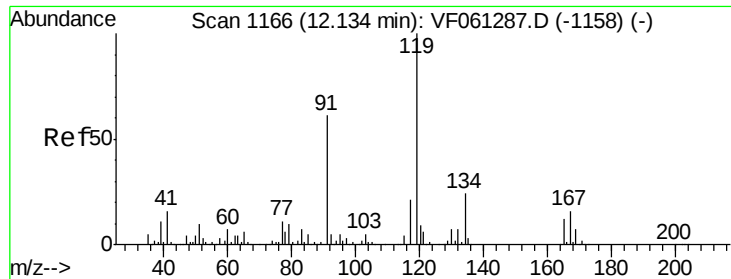
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#82
4-Chlorotoluene
Concen: 20.320 ug/l
RT: 11.92 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4





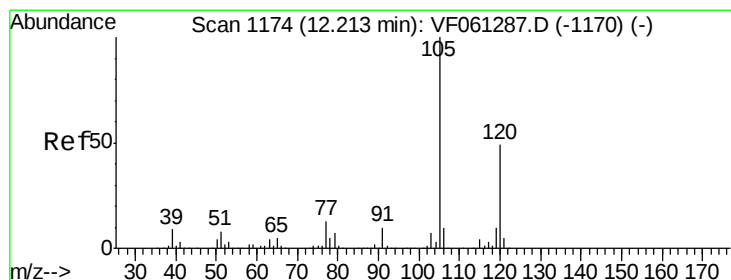
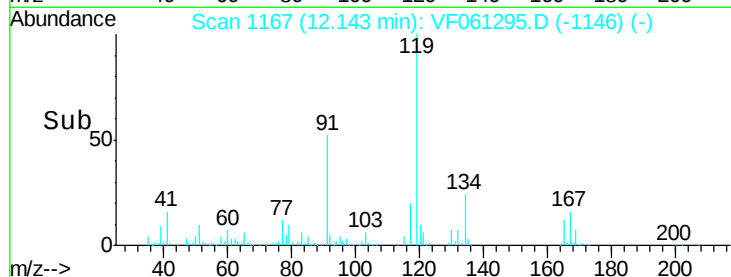
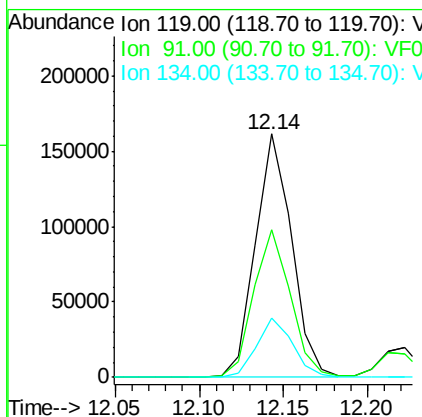
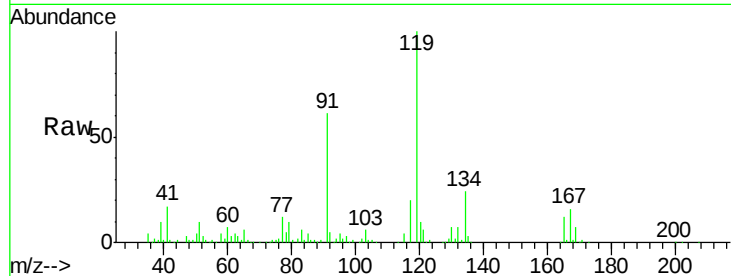
#83
tert-Butylbenzene
Concen: 21.042 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	242202		
91	60.9	30.8	92.4	
134	24.5	11.9	35.9	

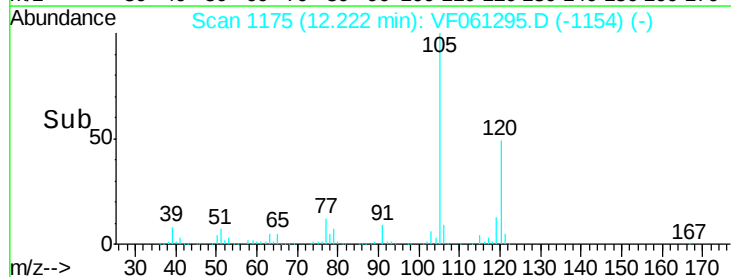
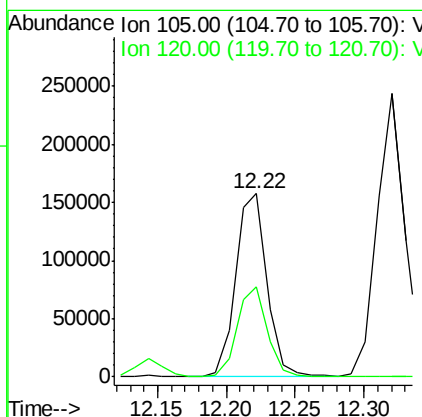
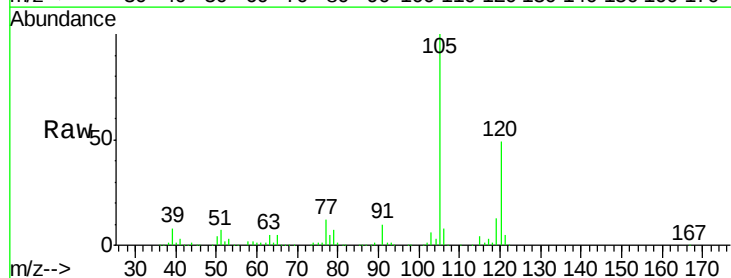
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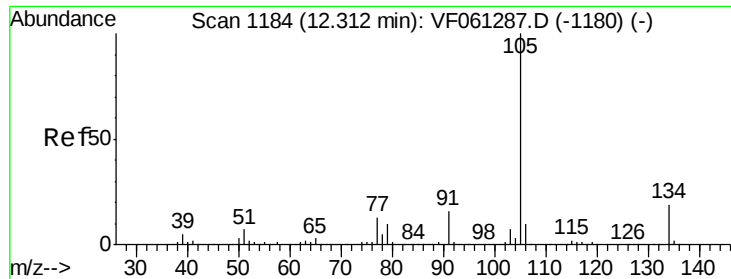
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#84
1,2,4-Trimethylbenzene
Concen: 21.745 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	249427		
120	49.0	24.7	74.1	





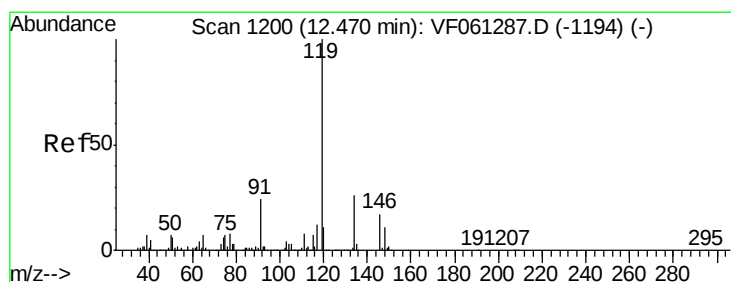
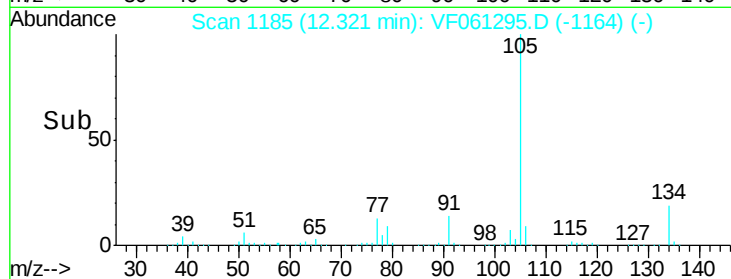
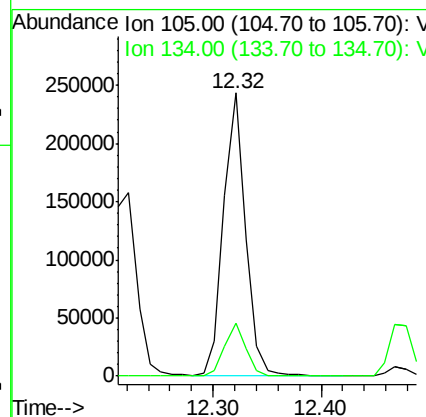
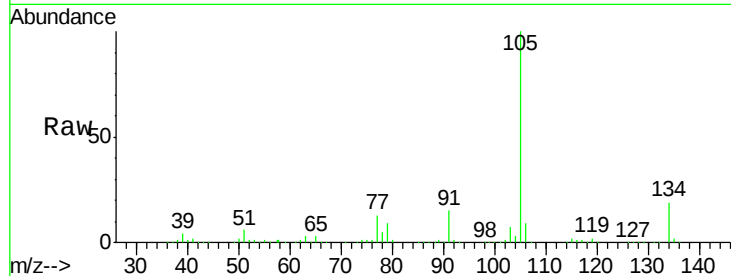
#85
 sec-Butylbenzene
 Concen: 21.002 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0109SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.7	28.9

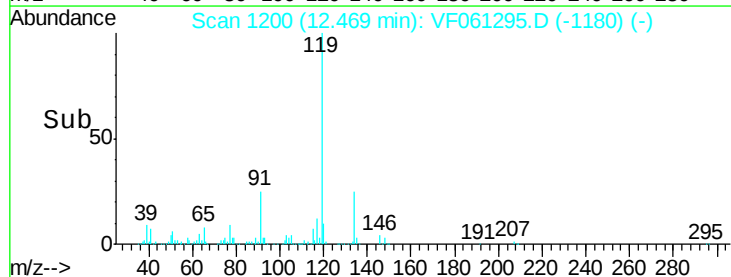
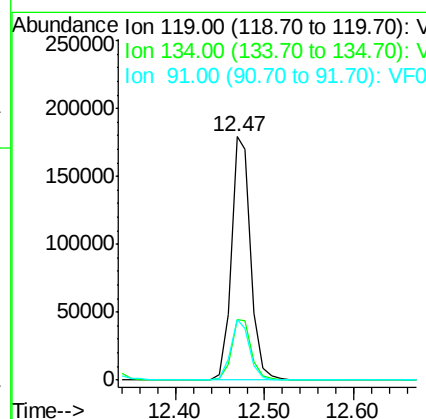
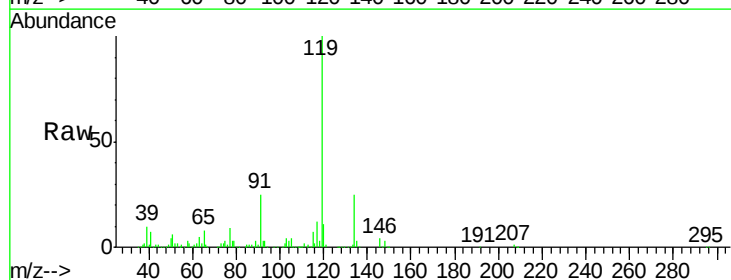
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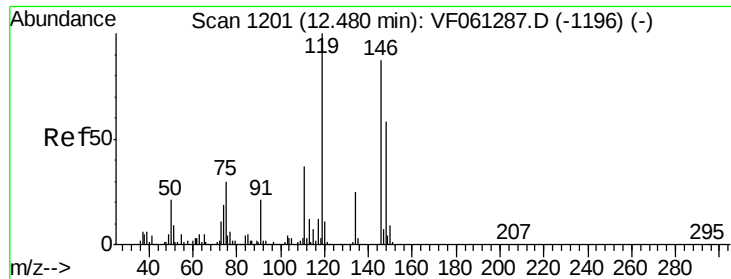
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#86
 p-Isopropyltoluene
 Concen: 20.750 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.8	13.0	39.0
91	25.1	12.2	36.4





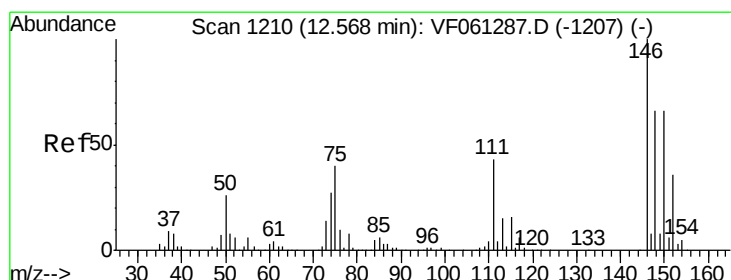
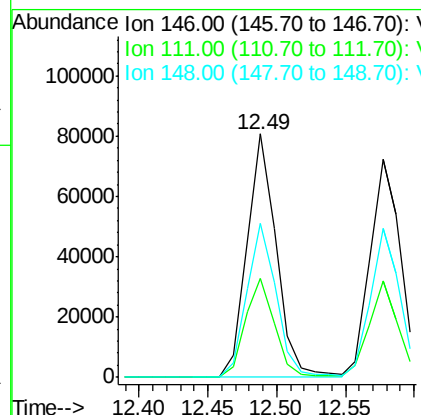
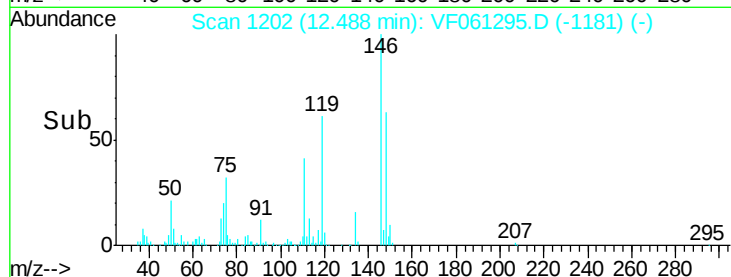
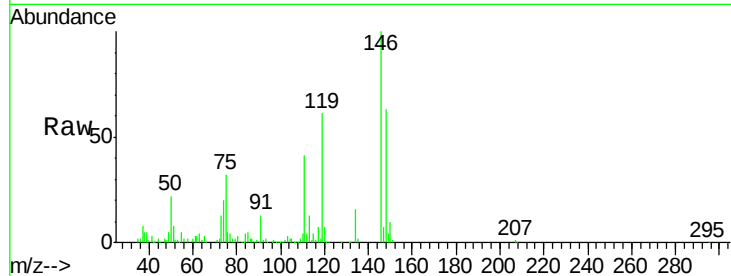
#87
 1,3-Dichlorobenzene
 Concen: 21.460 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Instrument :
 MSVOA_F
 ClientSampled :
 VF0109SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.3
148	63.3	33.1	99.5

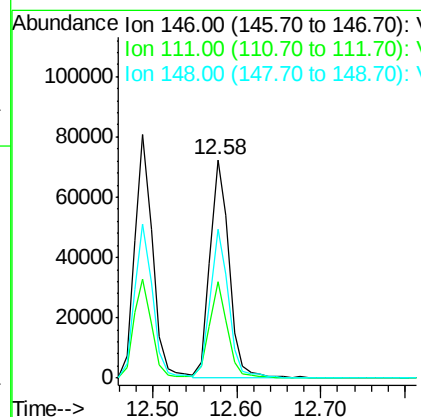
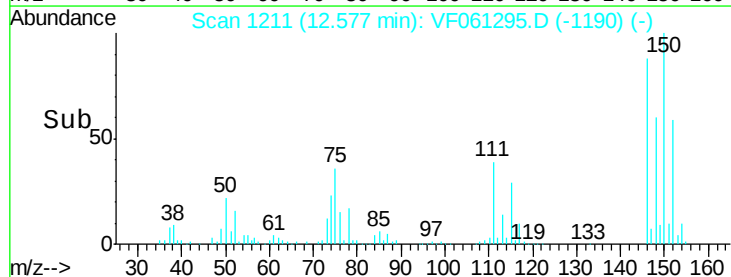
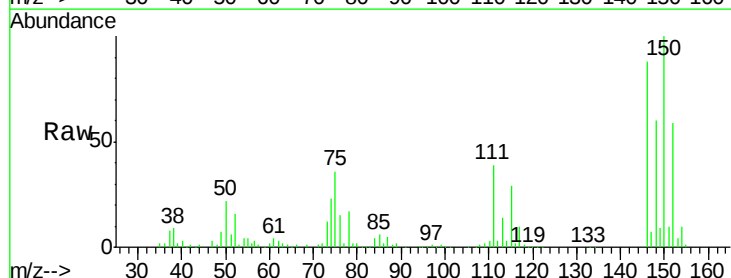
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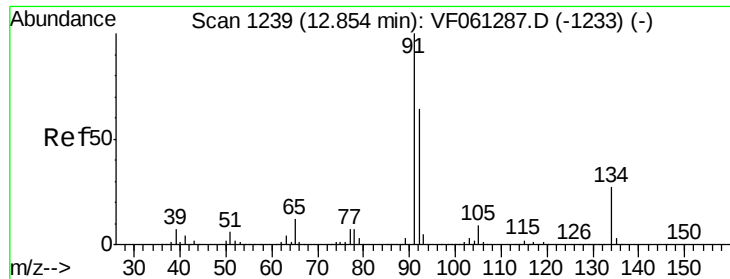
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#88
 1,4-Dichlorobenzene
 Concen: 21.086 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.4	64.2
148	68.5	33.0	98.9





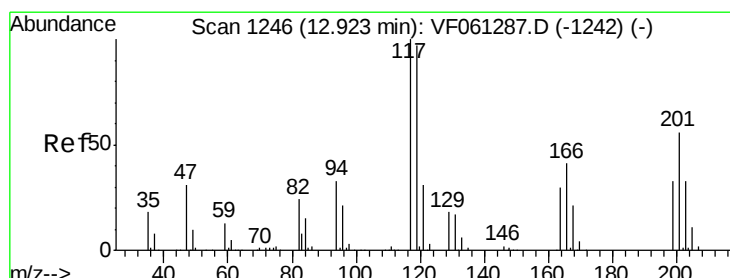
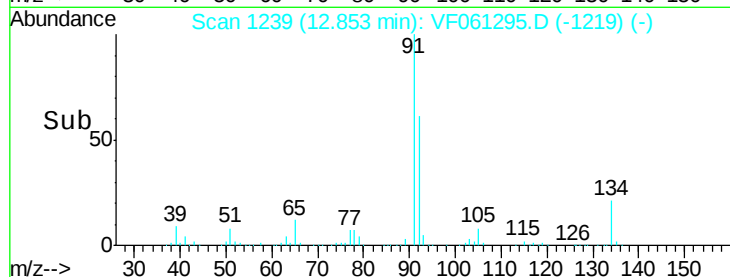
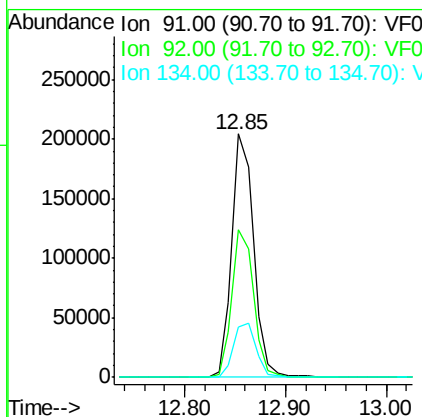
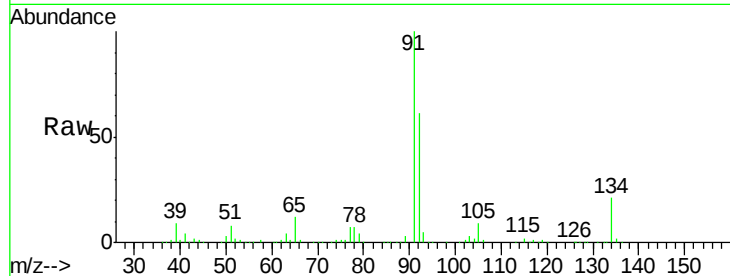
#89
n-Butylbenzene
Concen: 22.315 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	305643		
92	60.5		32.1	96.3
134	20.7		13.4	40.1

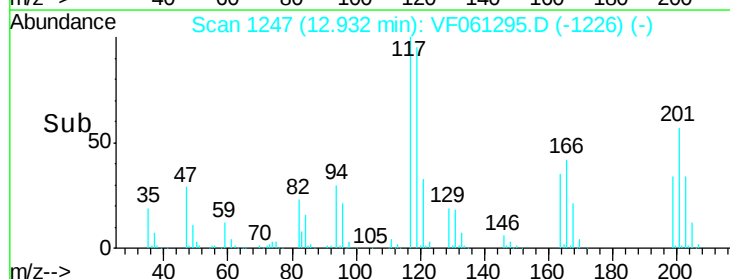
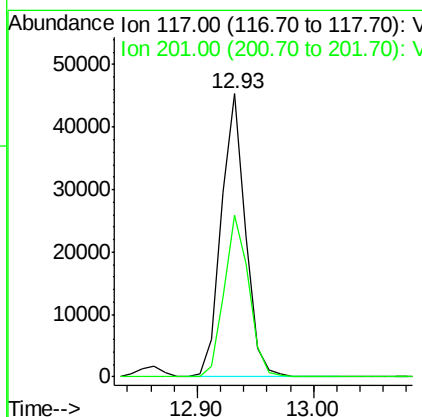
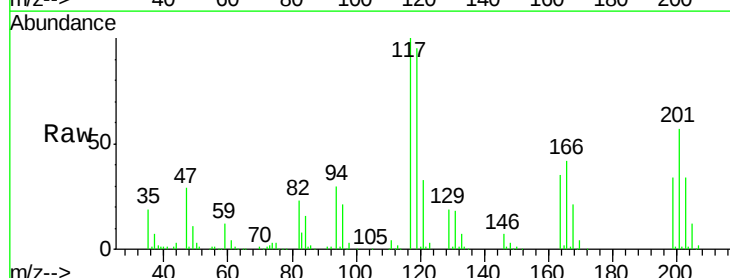
Manual Integrations
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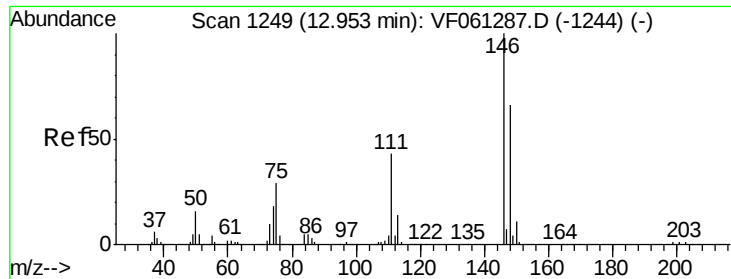
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#90
Hexachloroethane
Concen: 21.422 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF061295.D
Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	65324		
201	57.2		27.9	83.7





#91

1,2-Dichlorobenzene

Concen: 21.641 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

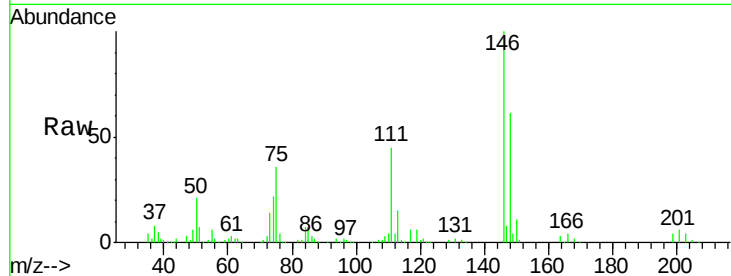
ClientSampleId :

VF0109SBS01

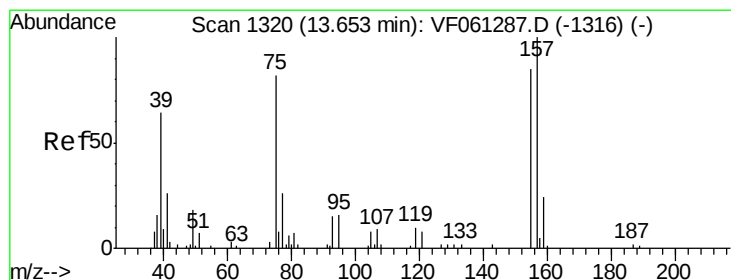
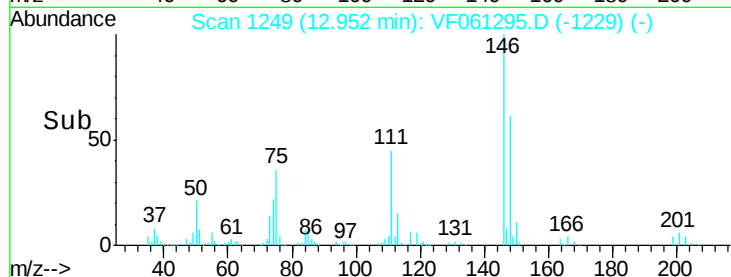
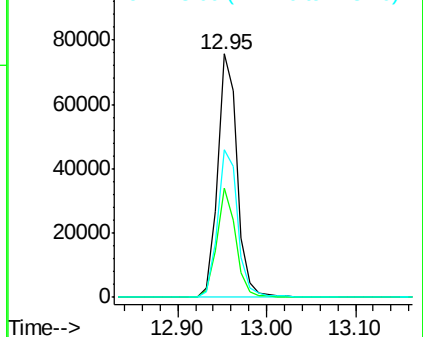
Tot Ion:	146	Resp:	116521
Ion Ratio	Lower	Upper	
146	100		
111	44.9	21.4	64.3
148	60.8	33.1	99.2

Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.127 ug/l

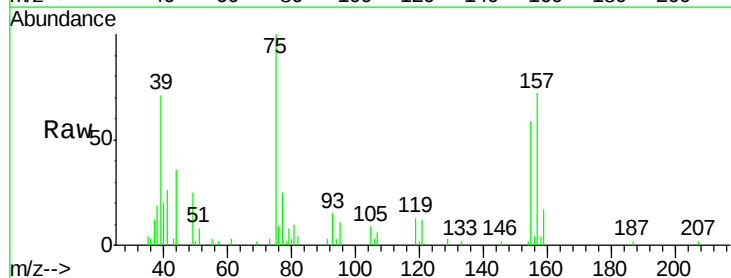
RT: 13.65 min Scan# 1320

Delta R.T. -0.00 min

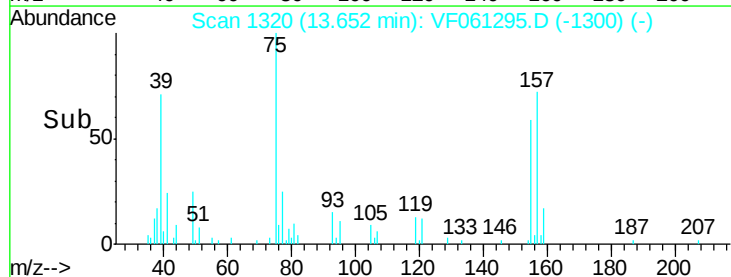
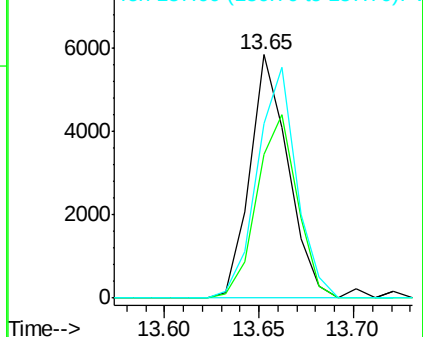
Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Tgt Ion:	75	Resp:	8218
Ion Ratio	Lower	Upper	
75	100		
155	59.1	51.3	154.0
157	71.7	60.7	182.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





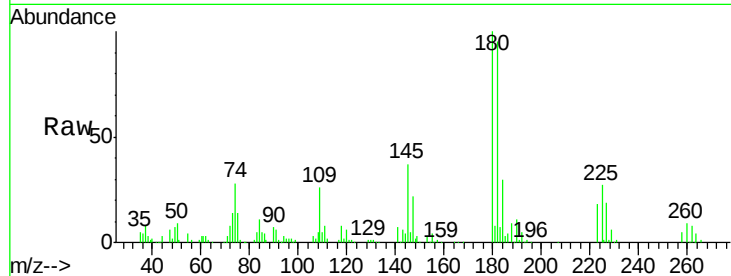
#93
 1,2,4-Trichlorobenzene
 Concen: 21.872 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBS01

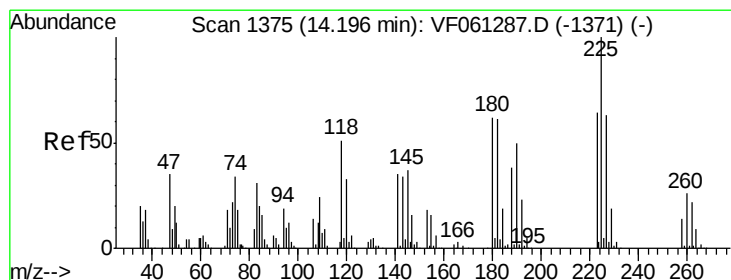
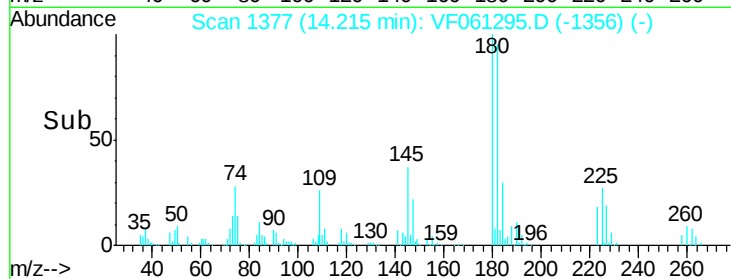
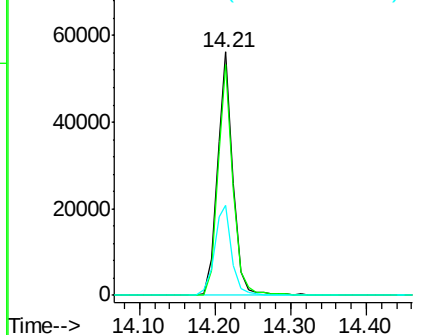
Tot Ion	Ratio	Resp	Lower	Upper
180	100	81039		
182	94.7	47.0	141.2	
145	36.8	19.7	59.1	

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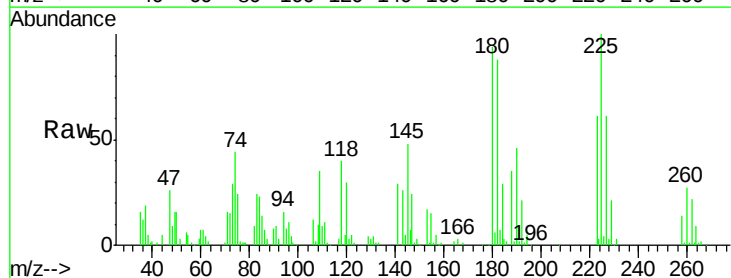


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

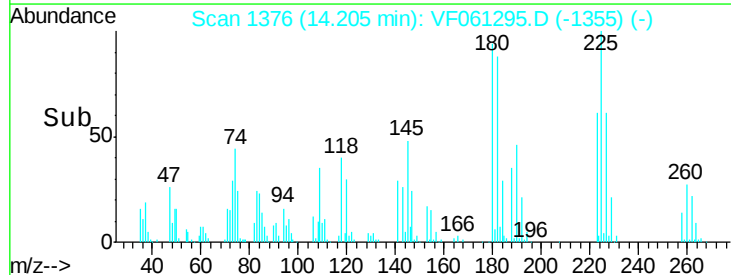
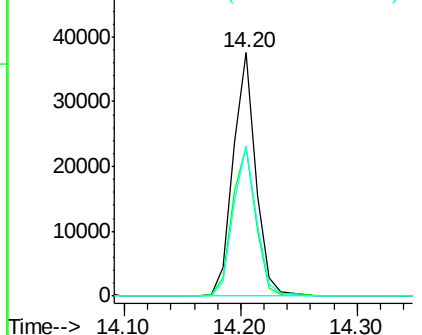


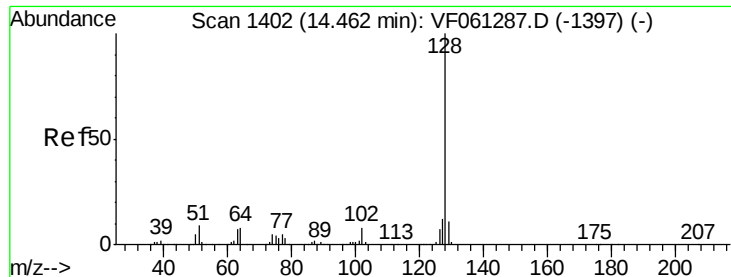
#94
 Hexachlorobutadiene
 Concen: 21.339 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061295.D
 Acq: 9 Jan 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50900		
223	61.0	31.8	95.4	
227	61.5	31.3	93.9	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 20.009 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Instrument :

MSVOA_F

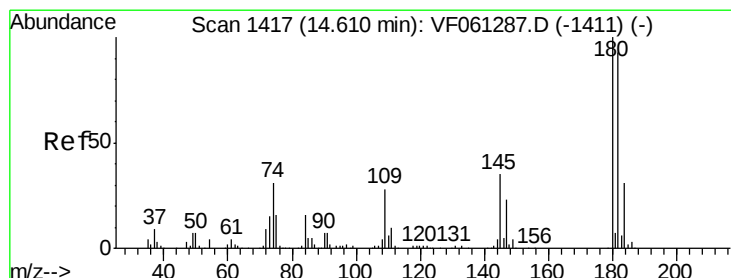
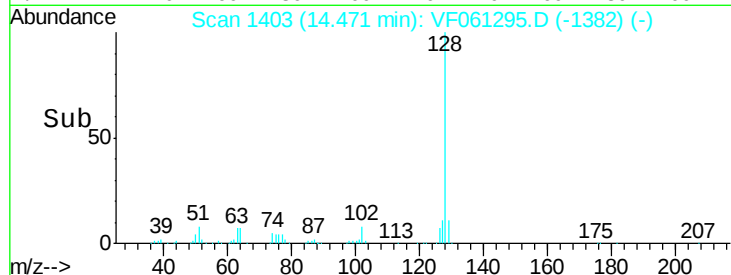
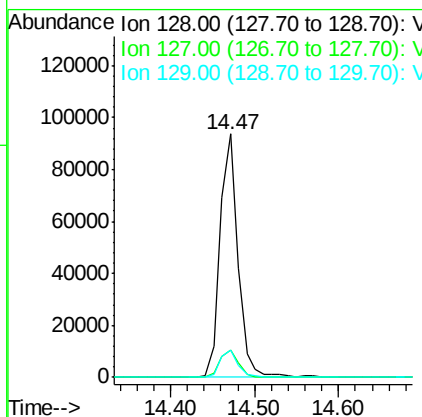
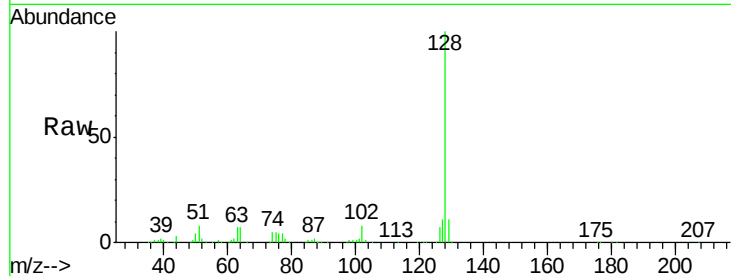
ClientSampleId :

VF0109SBS01

Tot Ion:	128	Resp:	139708
Ion Ratio	Lower	Upper	
128	100		
127	11.2	9.4	14.0
129	11.0	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 21.590 ug/l

RT: 14.62 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VF061295.D

Acq: 9 Jan 2019 12:21

Tgt Ion:	180	Resp:	75354
Ion Ratio	Lower	Upper	
180	100		
182	90.3	46.5	139.3
145	31.6	17.5	52.6

