

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061436.D
 Acq On : 17 Jan 2019 10:56
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 3:41:50 PM

Quant Time: Jan 18 03:22:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	197959	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	330746	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	292417	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.53	152	145487	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	115927	47.43	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.86%	
35) Dibromofluoromethane	4.08	113	133812	51.27	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.54%	
50) Toluene-d8	7.53	98	394257	55.14	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	110.28%	
62) 4-Bromofluorobenzene	11.39	95	160446	48.02	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	183938	47.290	ug/l	98
3) Chloromethane	1.09	50	128319	44.992	ug/l	99
4) Vinyl Chloride	1.13	62	121596	47.929	ug/l	98
5) Bromomethane	1.31	94	86575	52.331	ug/l	95
6) Chloroethane	1.38	64	61814	54.987	ug/l	95
7) Trichlorofluoromethane	1.47	101	213991	43.388	ug/l	99
8) Diethyl Ether	1.62	74	31082	49.183	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.81	101	110002	46.418	ug/l	96
10) Methyl Iodide	1.88	142	176056m	47.920	ug/l	
11) Tert butyl alcohol	2.55	59	21134	204.287	ug/l	99
12) 1,1-Dichloroethene	1.78	96	90948	51.656	ug/l	78
13) Acrolein	1.99	56	26692	297.498	ug/l	96
14) Allyl chloride	2.08	41	143938	71.906	ug/l	92
15) Acrylonitrile	2.93	53	64194	242.247	ug/l	96
16) Acetone	2.23	43	127515	260.072	ug/l	99
17) Carbon Disulfide	1.81	76	280512	51.097	ug/l	99
18) Methyl Acetate	2.34	43	42305	43.508	ug/l	100
19) Methyl tert-butyl Ether	2.41	73	169061	42.834	ug/l	99
20) Methylene Chloride	2.17	84	83984m	50.477	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	93872	48.460	ug/l	99
22) Diisopropyl ether	2.78	45	286911	45.792	ug/l	99
23) Vinyl Acetate	3.16	43	728947	264.320	ug/l	100
24) 1,1-Dichloroethane	2.85	63	191982	48.821	ug/l	97
25) 2-Butanone	4.31	43	209736	257.231	ug/l	98
26) 2,2-Dichloropropane	3.58	77	112610	46.609	ug/l	89
27) cis-1,2-Dichloroethene	3.45	96	141905	49.626	ug/l	93
28) Bromochloromethane	3.69	49	88490	50.061	ug/l #	91
29) Tetrahydrofuran	4.04	42	77627	221.104	ug/l	95
30) Chloroform	3.83	83	246918	46.526	ug/l	100
31) Cyclohexane	3.67	56	200000	50.915	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	188240	48.374	ug/l	99
36) 1,1-Dichloropropene	4.26	75	198600	51.788	ug/l	99
37) Ethyl Acetate	4.08	43	76807	50.105	ug/l #	96
38) Carbon Tetrachloride	3.96	117	160912	47.997	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	215743	51.913	ug/l	96
40) Benzene	4.60	78	450125	52.750	ug/l	100
41) Methacrylonitrile	4.71	41	40148	49.221	ug/l	98
42) 1,2-Dichloroethane	4.91	62	146375	48.138	ug/l	97
43) Isopropyl Acetate	6.93	43	95543	49.661	ug/l	96
44) Trichloroethene	5.48	130	134478	51.373	ug/l	92
45) 1,2-Dichloropropane	6.21	63	113935	50.874	ug/l	98
46) Dibromomethane	6.06	93	70278	47.193	ug/l	94
47) Bromodichloromethane	6.36	83	190345	51.661	ug/l	100
48) Methyl methacrylate	6.70	41	59073	45.725	ug/l	91
49) 1,4-Dioxane	6.69	88	8778	971.395	ug/l #	68
51) 4-Methyl-2-Pentanone	8.23	43	339226	239.841	ug/l	99
52) Toluene	7.60	92	279146	49.676	ug/l	95
53) t-1,3-Dichloropropene	8.25	75	145900	49.868	ug/l	97
54) cis-1,3-Dichloropropene	7.28	75	198581	54.301	ug/l	94
55) 1,1,2-Trichloroethane	8.46	97	81617	51.147	ug/l	95
56) Ethyl methacrylate	8.60	69	92449	49.797	ug/l	96
57) 1,3-Dichloropropane	8.83	76	143352	47.927	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.27	63	50817	259.814	ug/l	99
59) 2-Hexanone	9.47	43	258165	261.758	ug/l	99
60) Dibromochloromethane	8.70	129	112490	48.219	ug/l	94
61) 1,2-Dibromoethane	8.95	107	83968	45.965	ug/l	99
64) Tetrachloroethene	8.13	164	114593	52.111	ug/l	97
65) Chlorobenzene	9.77	112	307758	51.755	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.91	131	119973	50.645	ug/l	98
67) Ethyl Benzene	9.87	91	578170	53.216	ug/l	99
68) m/p-Xylenes	10.11	106	390330	99.889	ug/l	98
69) o-Xylene	10.69	106	225257	53.187	ug/l	96
70) Styrene	10.77	104	301041	51.928	ug/l	97
71) Bromoform	10.75	173	55785	52.412	ug/l #	94
73) Isopropylbenzene	11.10	105	643608	54.392	ug/l	99
74) N-amyl acetate	11.35	43	153220	54.760	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	105515	50.055	ug/l	100
76) 1,2,3-Trichloropropane	11.78	75	75143	49.610	ug/l	96
77) Bromobenzene	11.48	156	128980	51.613	ug/l	96
78) n-propylbenzene	11.58	91	731705	50.883	ug/l	99
79) 2-Chlorotoluene	11.70	91	435160	53.004	ug/l	100
80) 1,3,5-Trimethylbenzene	11.80	105	509709	53.377	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	32697m	49.658	ug/l	
82) 4-Chlorotoluene	11.88	91	419350	50.617	ug/l	97
83) tert-Butylbenzene	12.11	119	510612	51.662	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	496302	50.457	ug/l	99
85) sec-Butylbenzene	12.29	105	686490	51.146	ug/l	96
86) p-Isopropyltoluene	12.45	119	573239	52.026	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	238939	47.878	ug/l	98
88) 1,4-Dichlorobenzene	12.54	146	236784	50.143	ug/l	98
89) n-Butylbenzene	12.83	91	590593	51.974	ug/l	98
90) Hexachloroethane	12.90	117	140431	54.069	ug/l	97
91) 1,2-Dichlorobenzene	12.93	146	231331	49.485	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18768	50.197	ug/l	98

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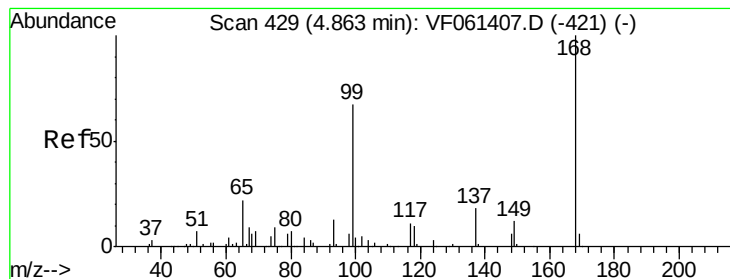
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	161269	49.246	ug/l	94
94) Hexachlorobutadiene	14.17	225	103861	51.111	ug/l	99
95) Naphthalene	14.44	128	309639	49.767	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	150731	49.722	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

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Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 197959

Ion Ratio Lower Upper

168 100

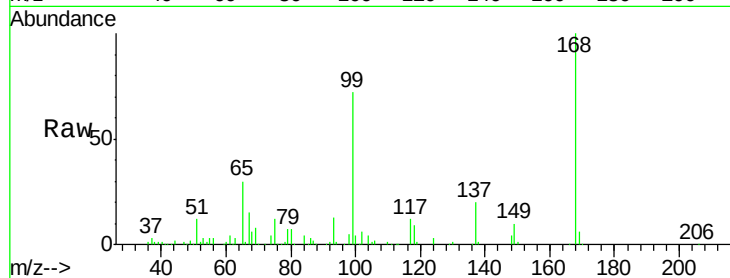
99 71.6 53.5 80.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

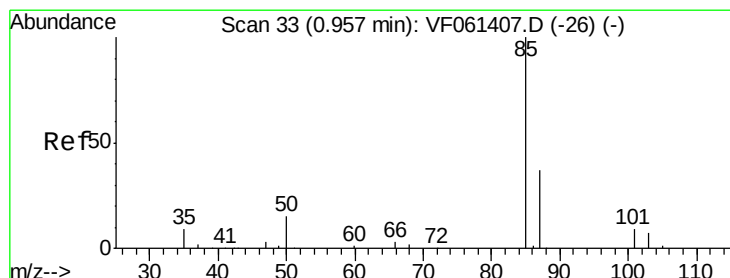
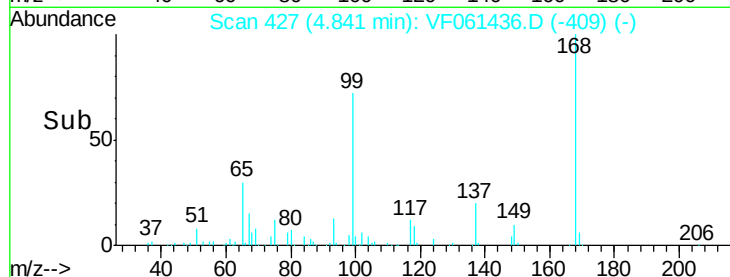
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.290 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061436.D

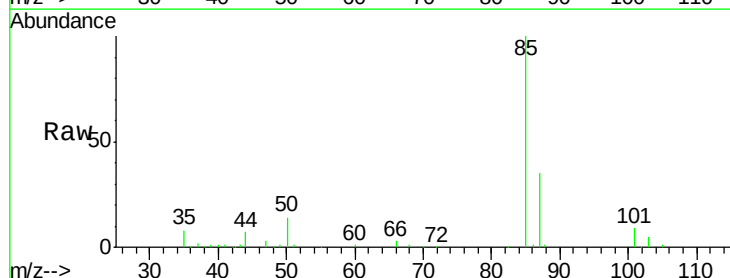
Acq: 17 Jan 2019 10:56

Tgt Ion: 85 Resp: 183938

Ion Ratio Lower Upper

85 100

87 35.3 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

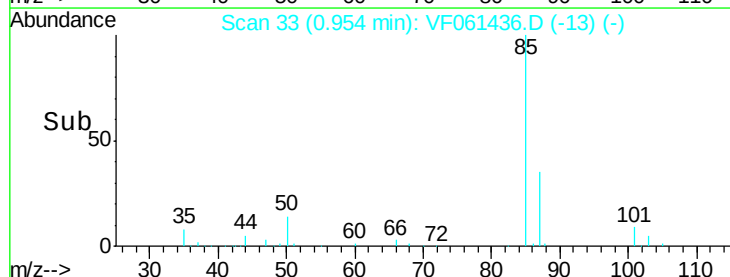
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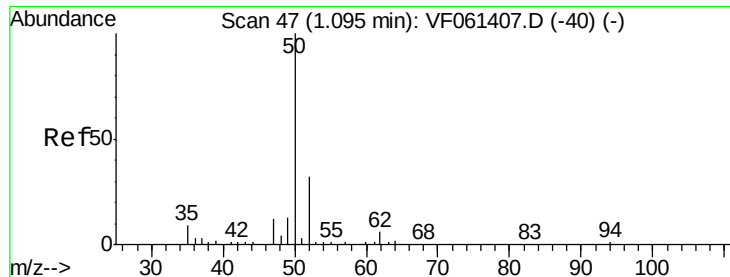
40000

20000

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Time-->





#3

Chloromethane

Concen: 44.992 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 128319

Ion Ratio Lower Upper

50 100

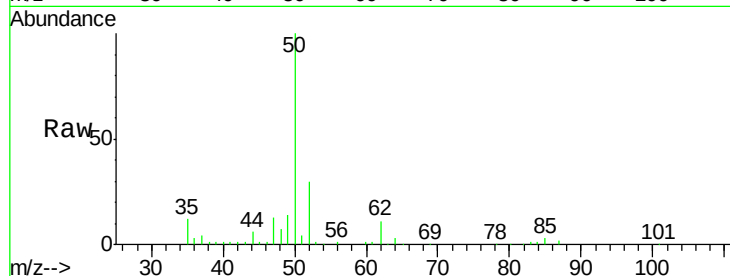
52 30.2 24.6 36.8

Manual Integrations

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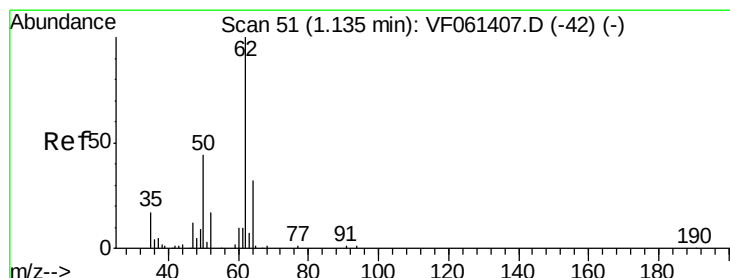
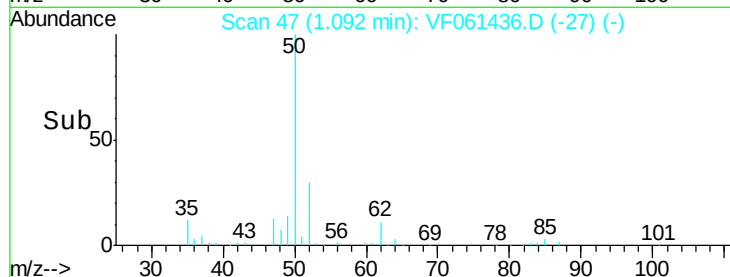
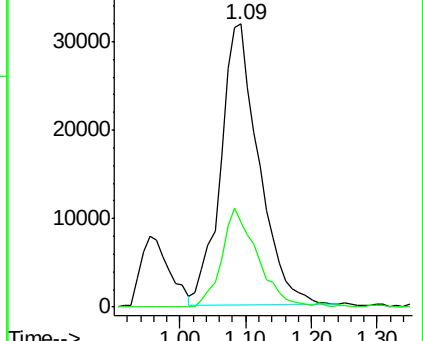
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 47.929 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061436.D

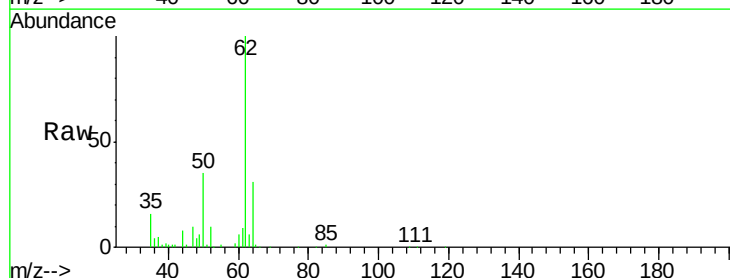
Acq: 17 Jan 2019 10:56

Tgt Ion: 62 Resp: 121596

Ion Ratio Lower Upper

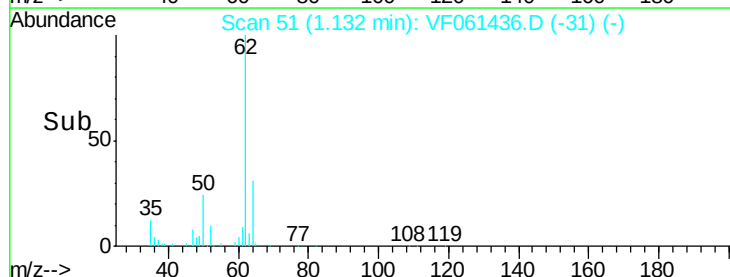
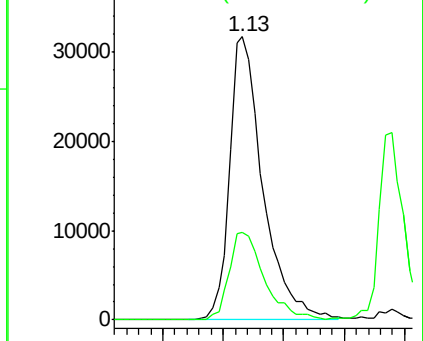
62 100

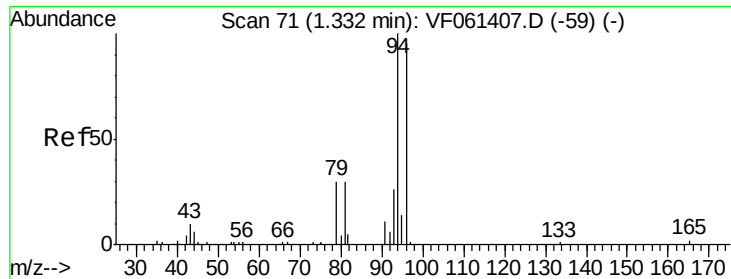
64 31.0 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 52.331 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

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Acq: 17 Jan 2019 10:56

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86575

Ion Ratio Lower Upper

94 100

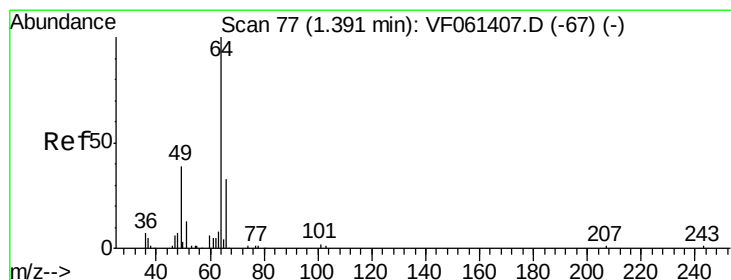
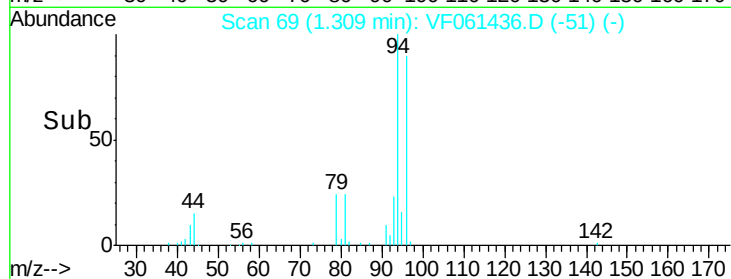
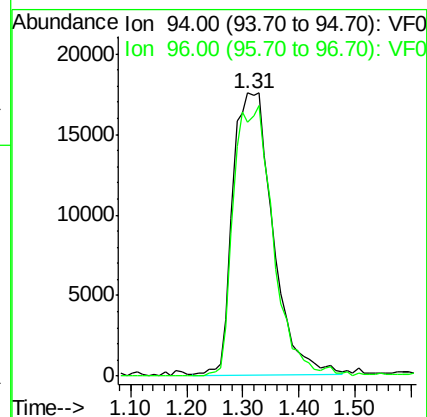
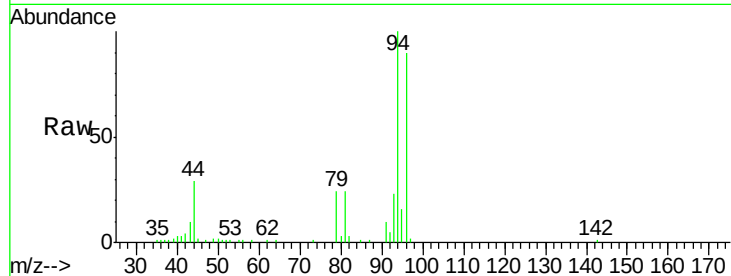
96 89.7 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 54.987 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061436.D

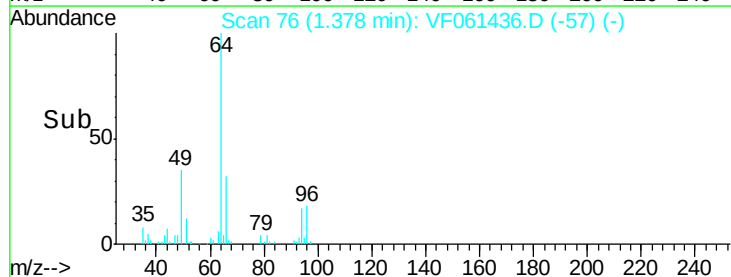
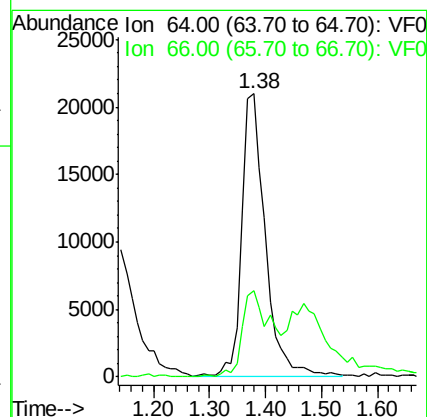
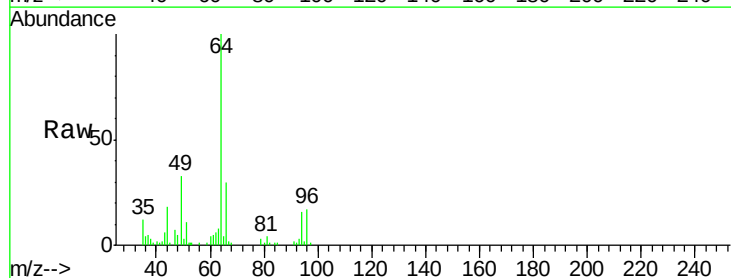
Acq: 17 Jan 2019 10:56

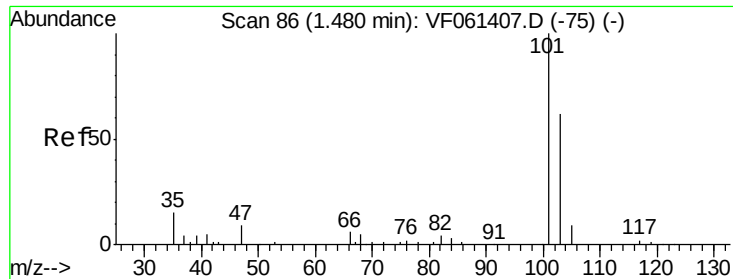
Tgt Ion: 64 Resp: 61814

Ion Ratio Lower Upper

64 100

66 30.4 26.6 40.0





#7

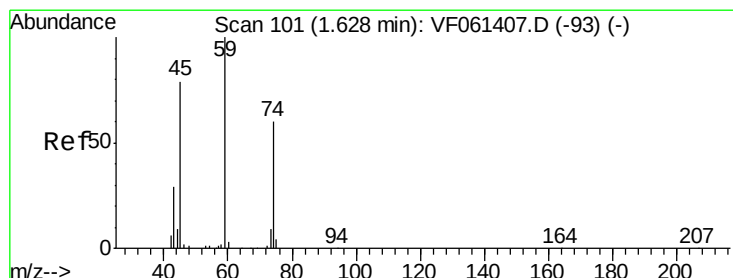
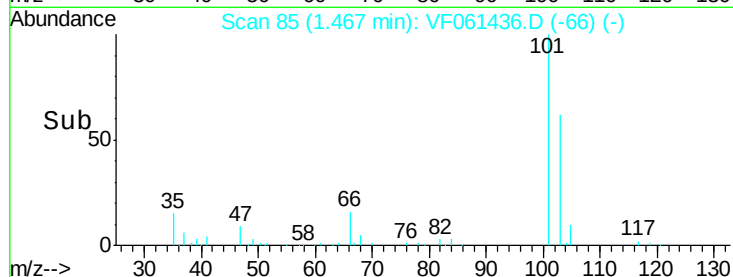
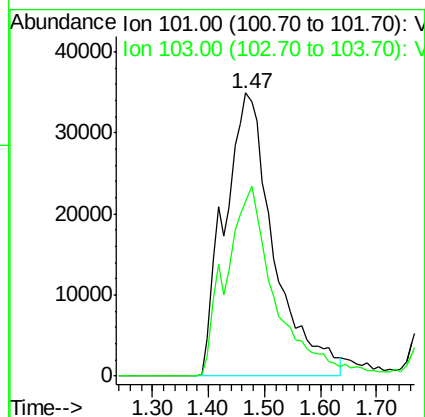
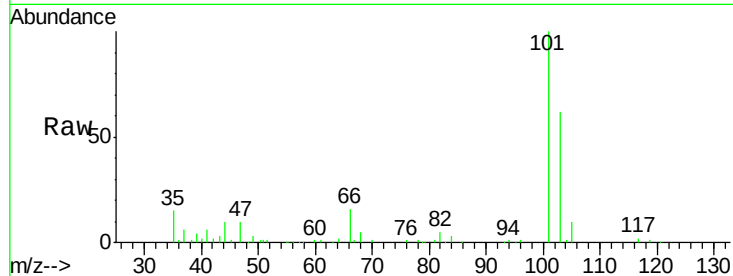
Trichlorofluoromethane
Concen: 43.388 ug/l
RT: 1.47 min Scan# 85
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 213991
Ion Ratio Lower Upper
101 100
103 61.7 49.7 74.5

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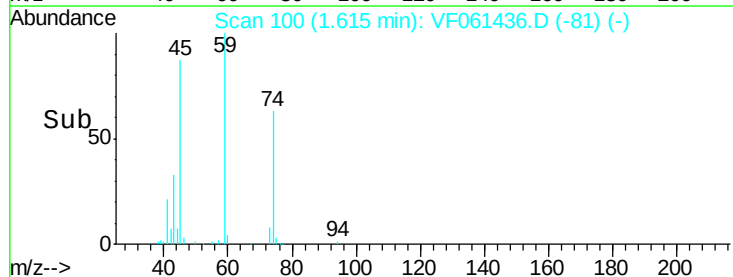
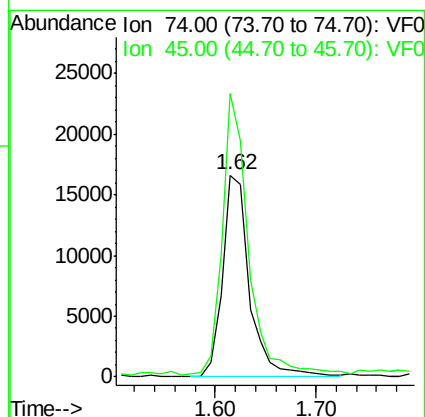
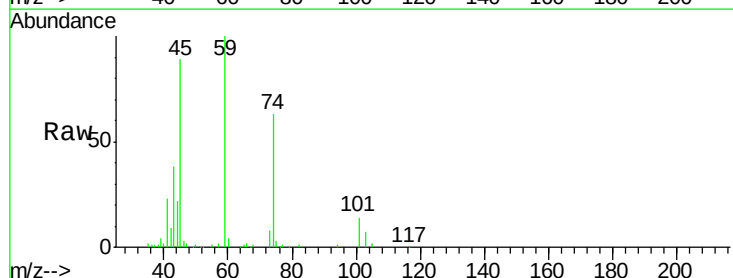
MMDadoda
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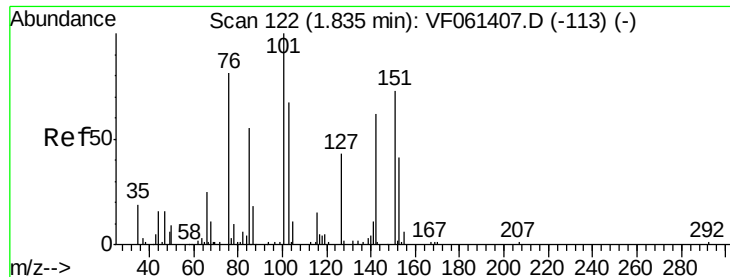


#8

Diethyl Ether
Concen: 49.183 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion: 74 Resp: 31082
Ion Ratio Lower Upper
74 100
45 140.2 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.418 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061436.D

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MSVOA_F

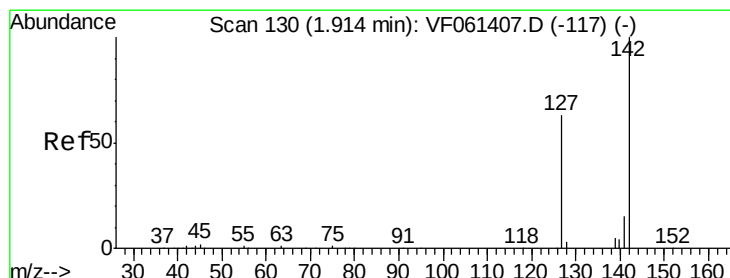
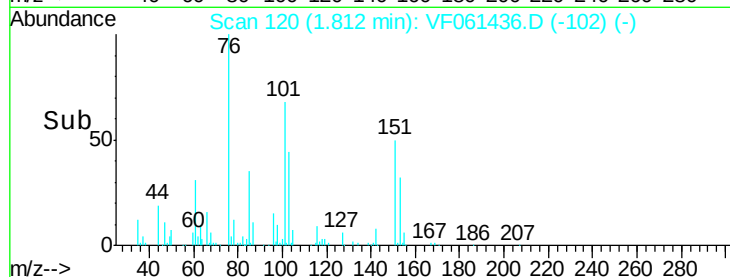
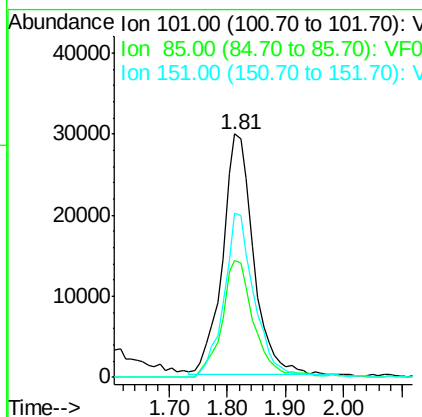
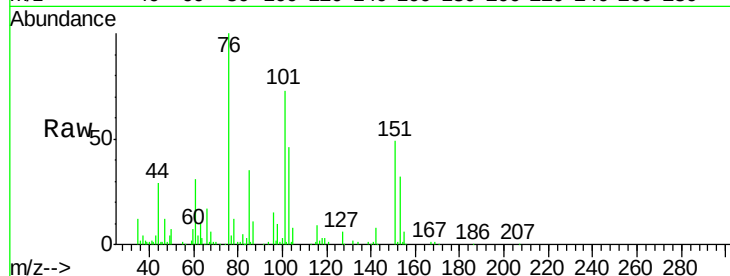
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	110002
Ion Ratio	Lower	Upper	
101	100		
85	48.1	41.9	62.9
151	67.3	55.1	82.7

Manual Integrations
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#10

Methyl Iodide

Concen: 47.920 ug/l m

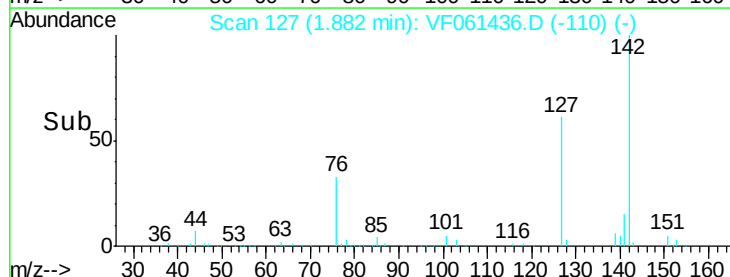
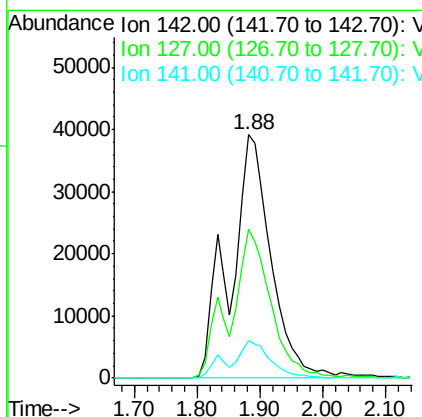
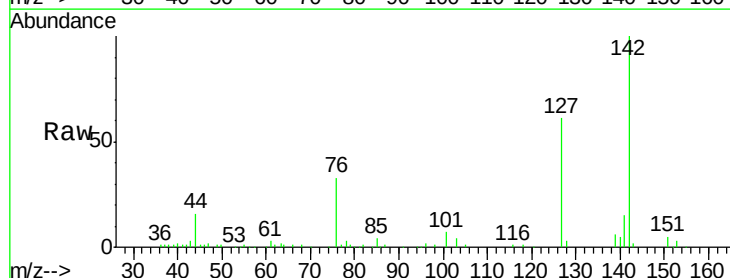
RT: 1.88 min Scan# 127

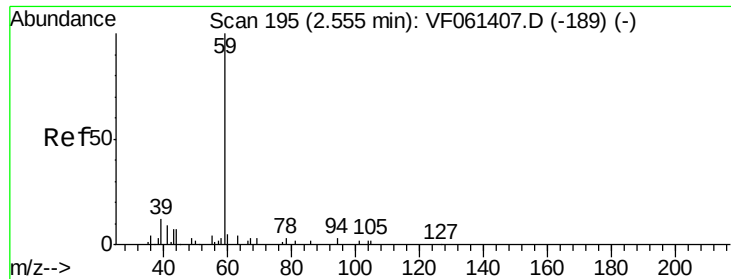
Delta R.T. -0.03 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion:	142	Resp:	176056
Ion Ratio	Lower	Upper	
142	100		
127	61.2	50.7	76.1
141	15.3	11.8	17.6





#11

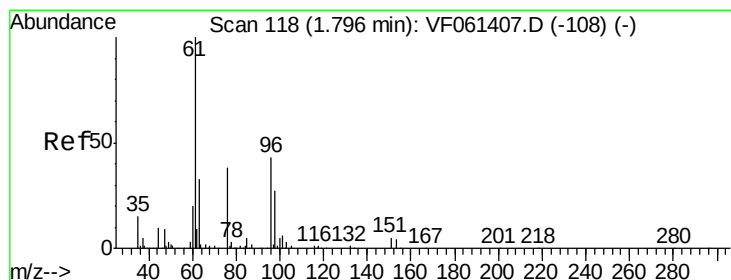
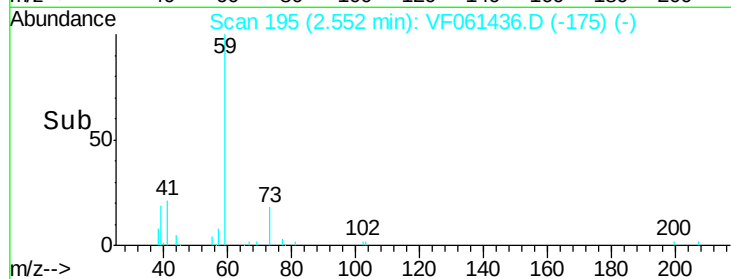
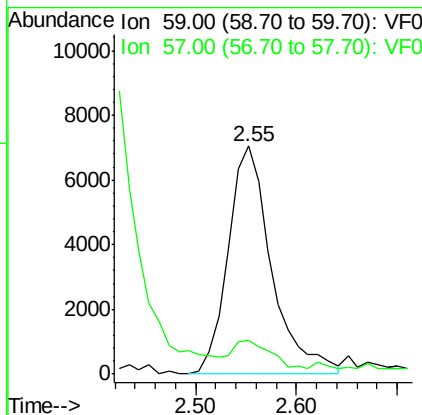
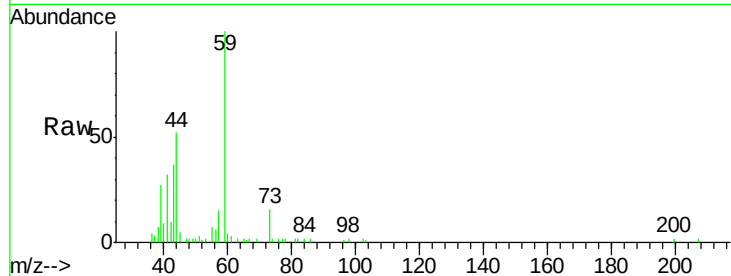
Tert butyl alcohol
Concen: 204.287 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59.00 (58.70 to 59.70): VF0	Resp	21134
Ion	Ratio	Lower	Upper
59	100		
57	14.5	11.9	17.9

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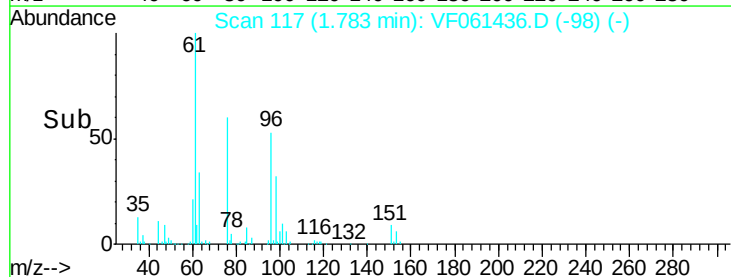
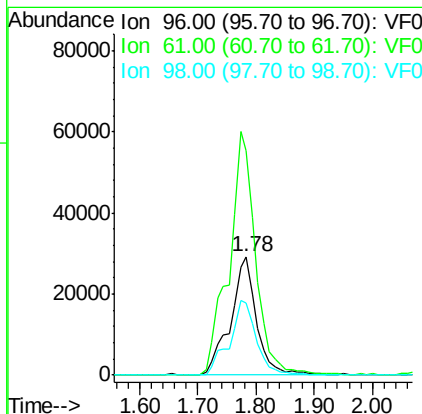
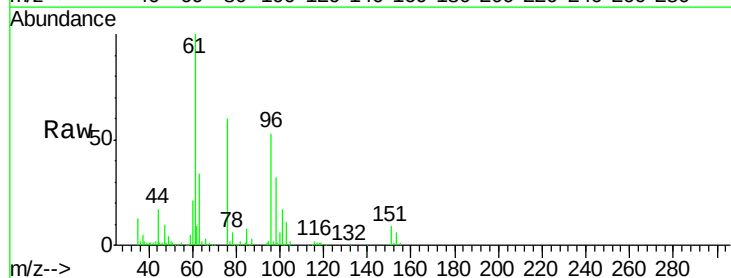
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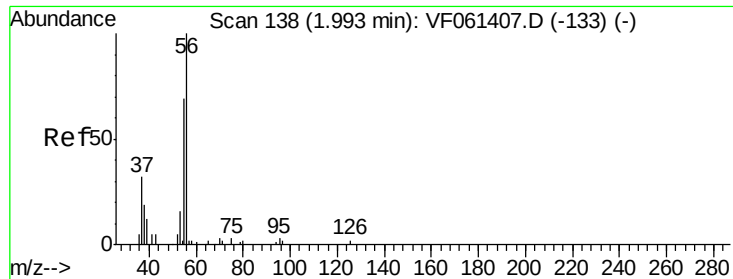


#12

1,1-Dichloroethene
Concen: 51.656 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion	96.00 (95.70 to 96.70): VF0	Resp	90948
Ion	Ratio	Lower	Upper
96	100		
61	189.7	186.9	280.3
98	61.4	53.0	79.4





#13

Acrolein

Concen: 297.498 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 26692

Ion Ratio Lower Upper

56 100

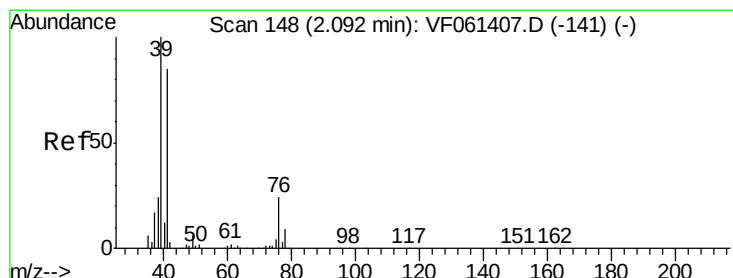
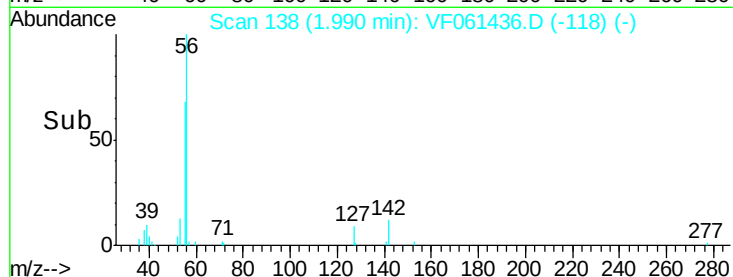
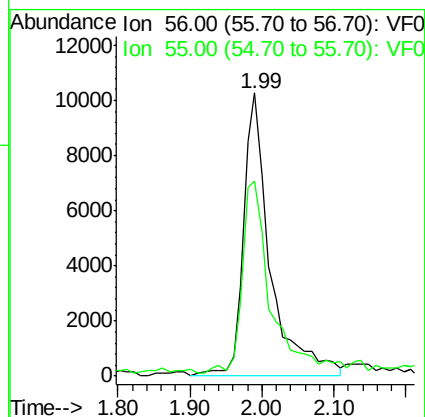
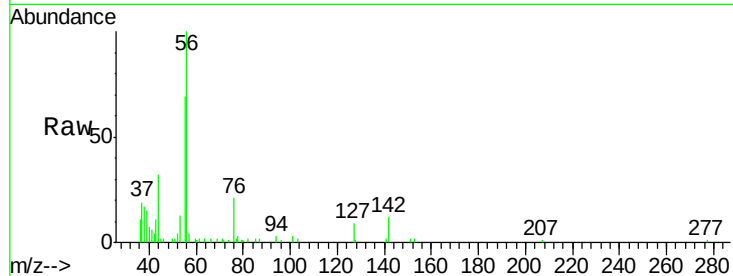
55 68.9 57.5 86.3

Manual Integrations

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#14

Allyl chloride

Concen: 71.906 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

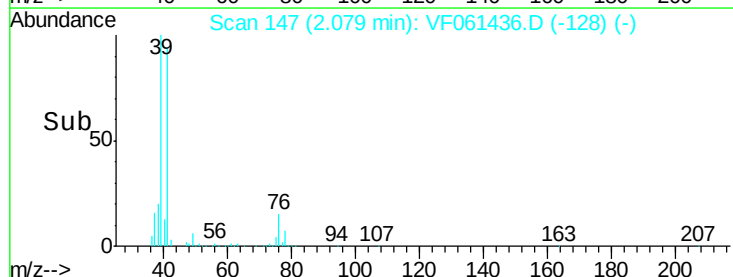
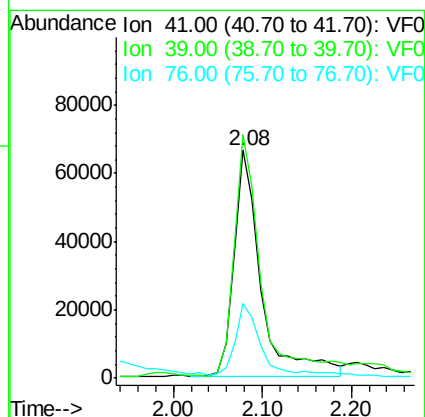
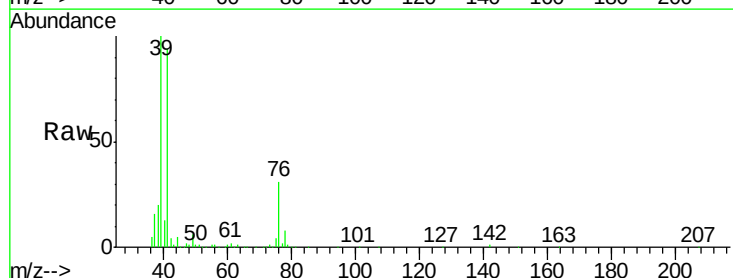
Tgt Ion: 41 Resp: 143938

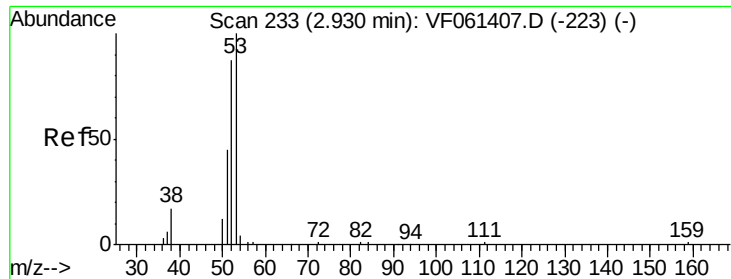
Ion Ratio Lower Upper

41 100

39 106.7 94.6 141.8

76 32.9 25.9 38.9





#15

Acrylonitrile

Concen: 242.247 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

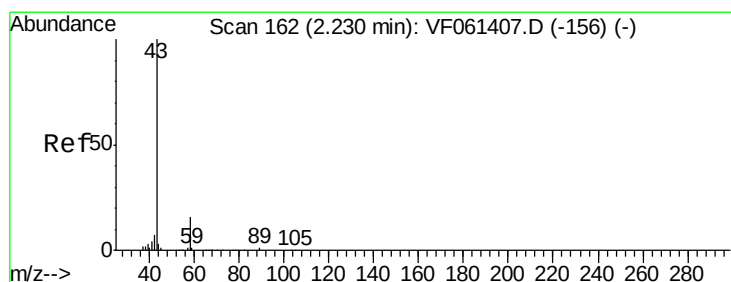
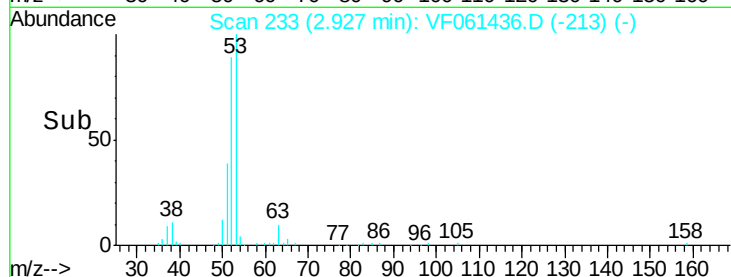
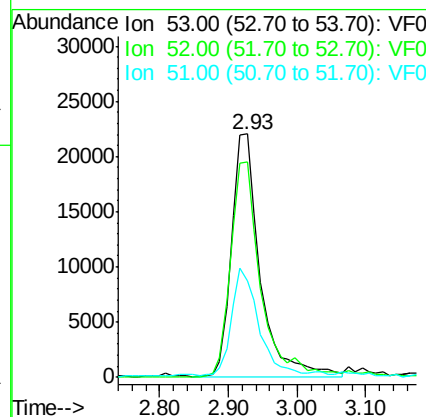
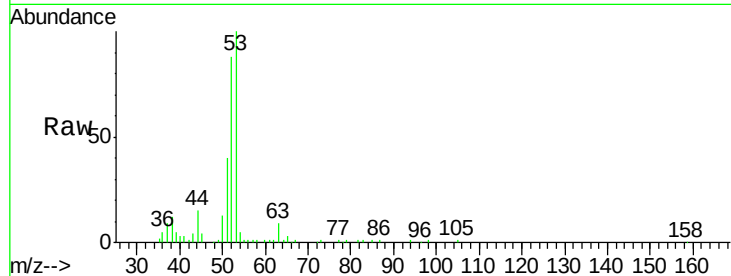
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	64194
Ion	Ratio	Lower	Upper
53	100		
52	88.4	69.6	104.4
51	39.6	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 260.072 ug/l

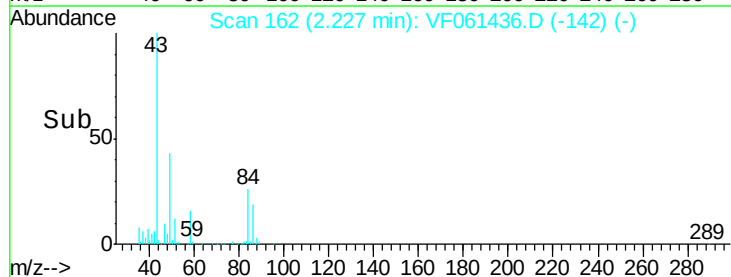
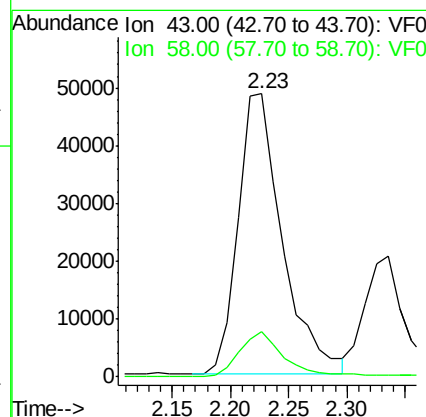
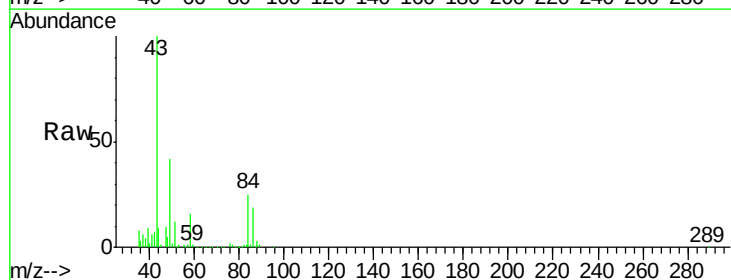
RT: 2.23 min Scan# 162

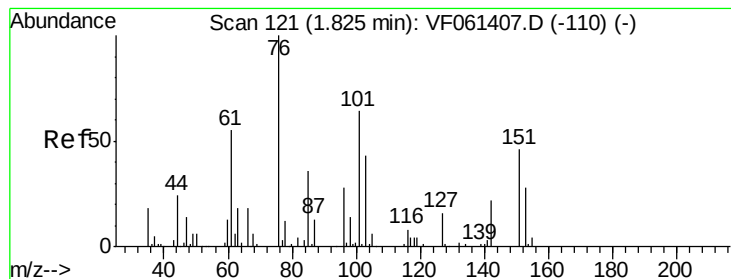
Delta R.T. -0.00 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion:	43	Resp:	127515
Ion	Ratio	Lower	Upper
43	100		
58	16.1	13.3	19.9





#17

Carbon Disulfide

Concen: 51.097 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 280512

Ion Ratio Lower Upper

76 100

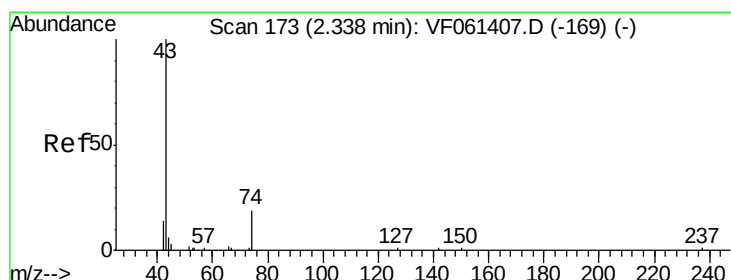
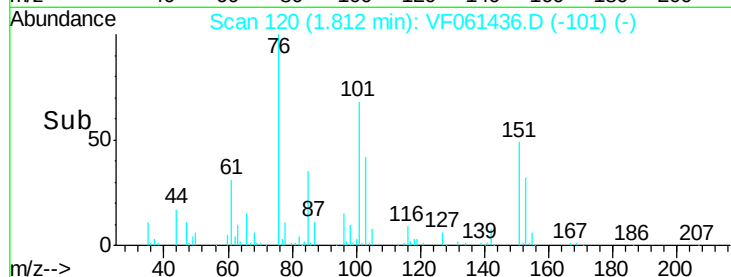
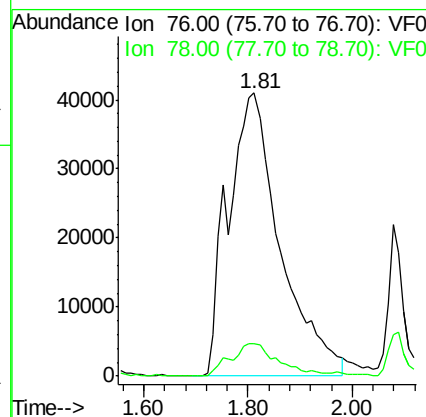
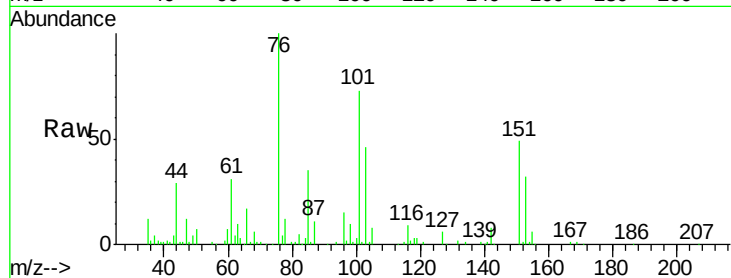
78 11.7 9.6 14.4

Manual Integrations

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#18

Methyl Acetate

Concen: 43.508 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF061436.D

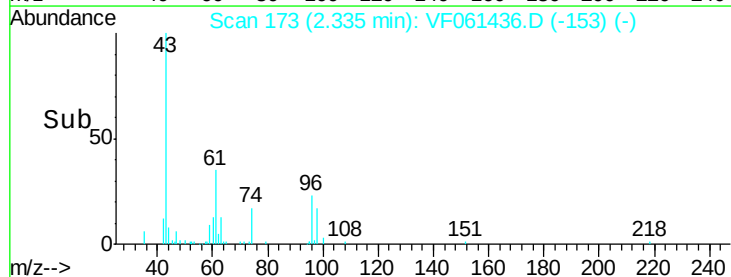
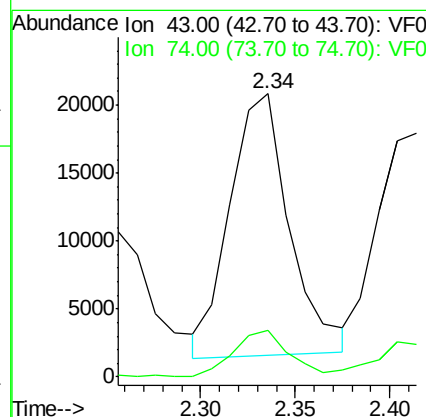
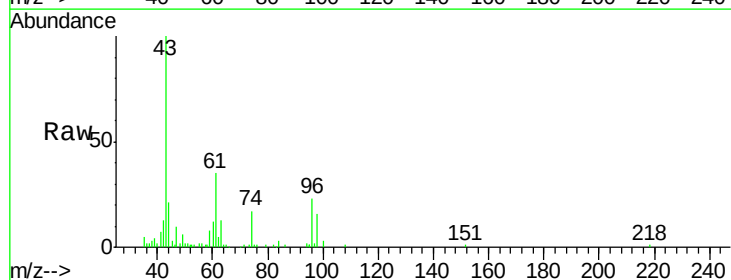
Acq: 17 Jan 2019 10:56

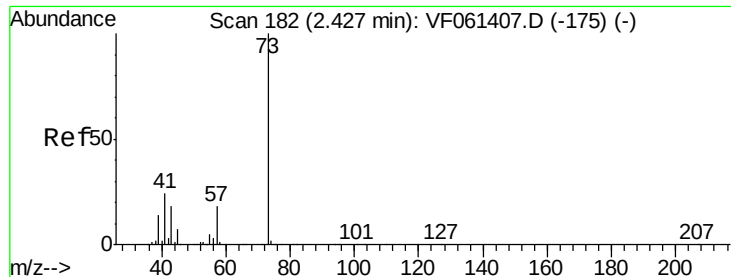
Tgt Ion: 43 Resp: 42305

Ion Ratio Lower Upper

43 100

74 16.6 13.4 20.0





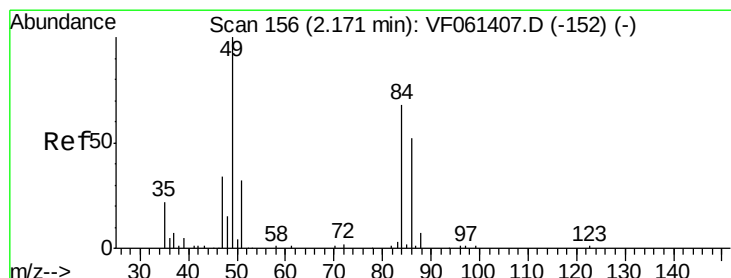
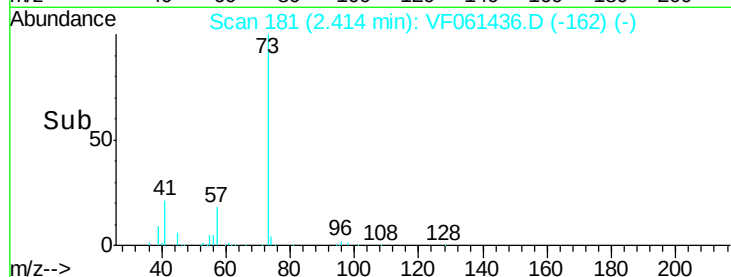
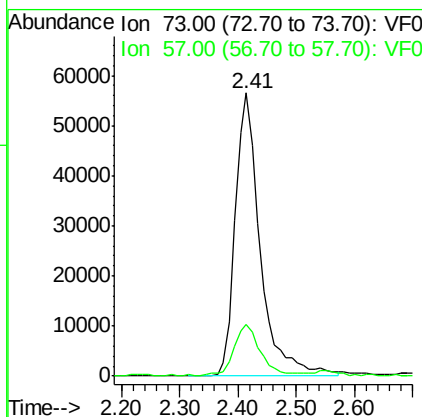
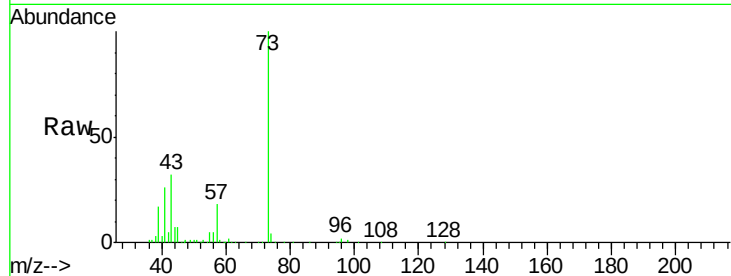
#19
Methyl tert-butyl Ether
Concen: 42.834 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 169061
Ion Ratio Lower Upper
73 100
57 18.2 14.8 22.2

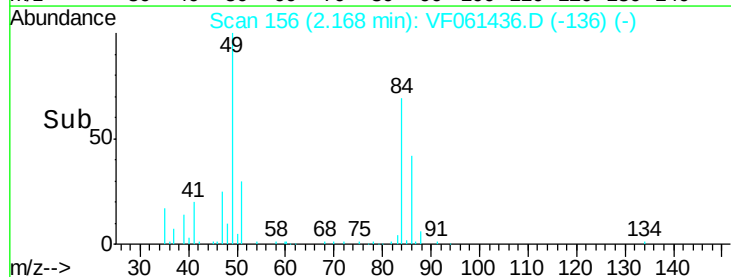
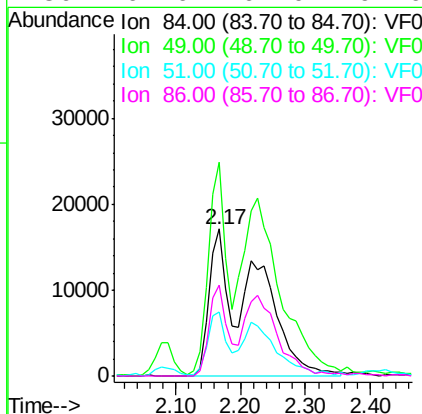
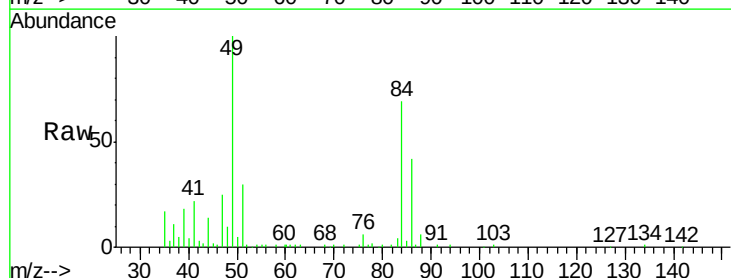
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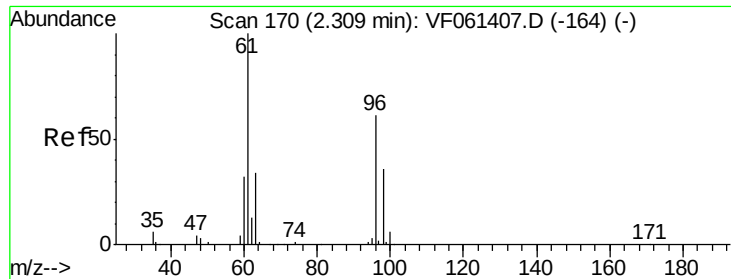
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#20
Methylene Chloride
Concen: 50.477 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.00 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion: 84 Resp: 83984
Ion Ratio Lower Upper
84 100
49 145.2 120.0 180.0
51 43.9 38.6 58.0
86 61.6 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 48.460 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 93872

Ion Ratio Lower Upper

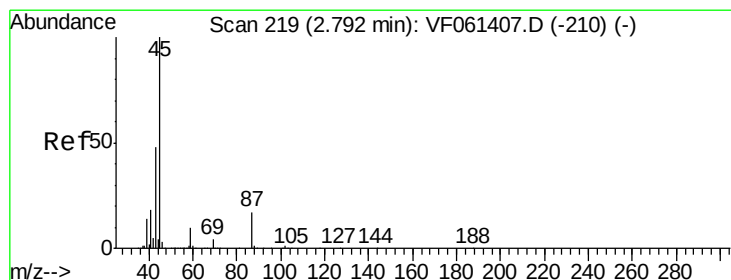
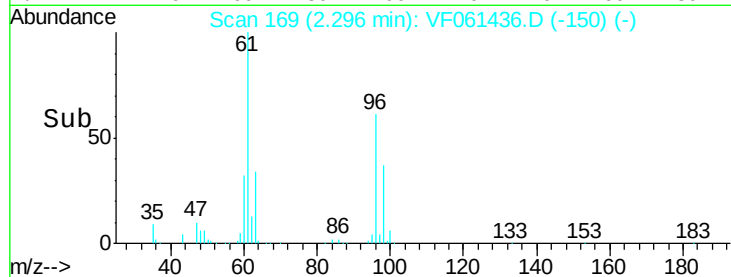
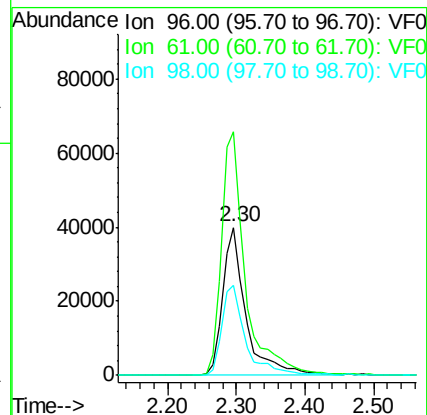
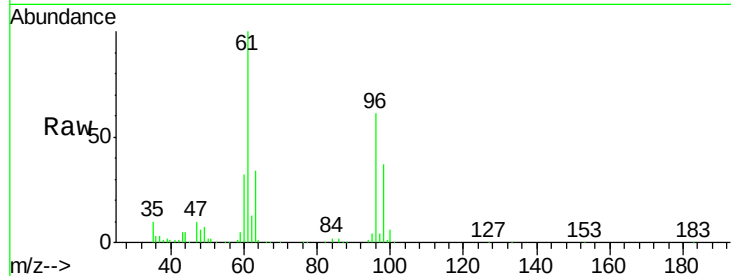
96 100

61 164.7 131.8 197.8

98 60.9 47.4 71.0

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#22

Diisopropyl ether

Concen: 45.792 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion: 45 Resp: 286911

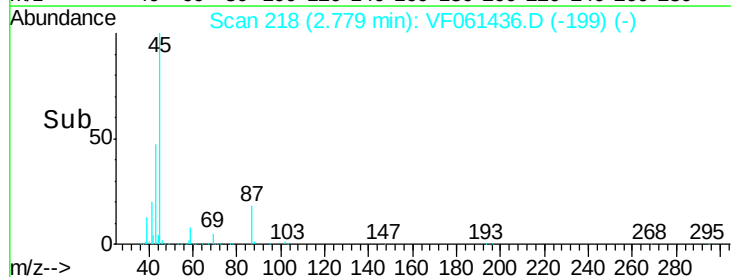
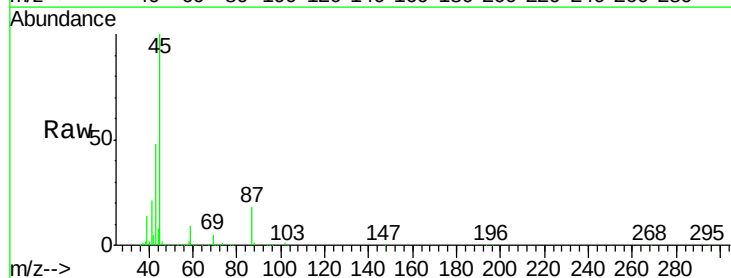
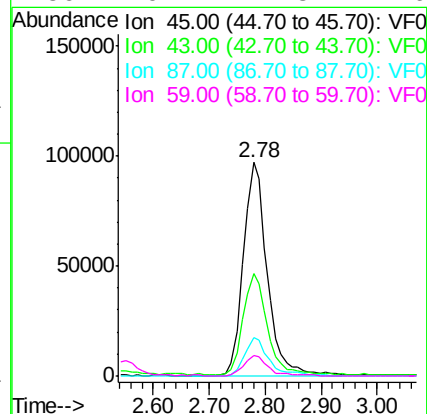
Ion Ratio Lower Upper

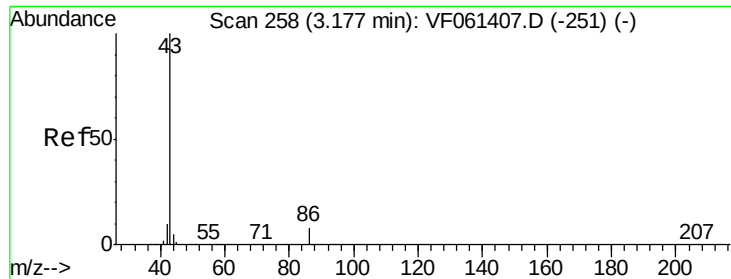
45 100

43 48.2 39.0 58.6

87 18.2 13.9 20.9

59 9.4 7.8 11.6





#23

Vinyl Acetate

Concen: 264.320 ug/l

RT: 3.16 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 728947

Ion Ratio Lower Upper

43 100

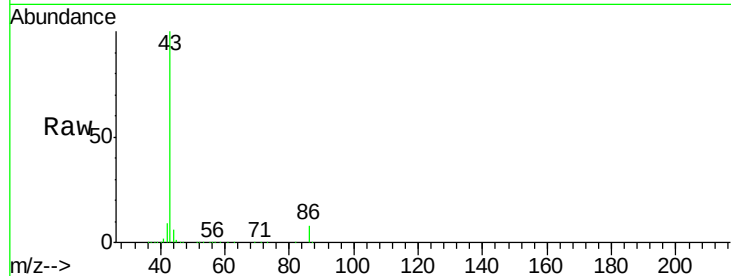
86 7.9 6.2 9.4

Manual Integrations

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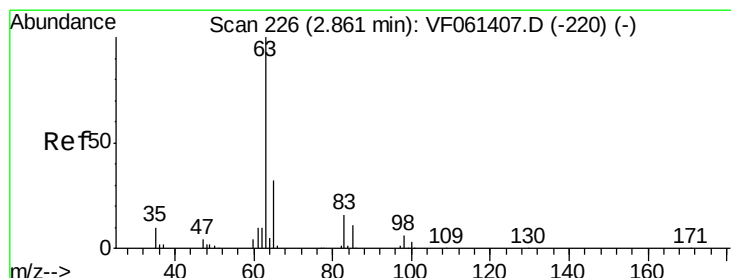
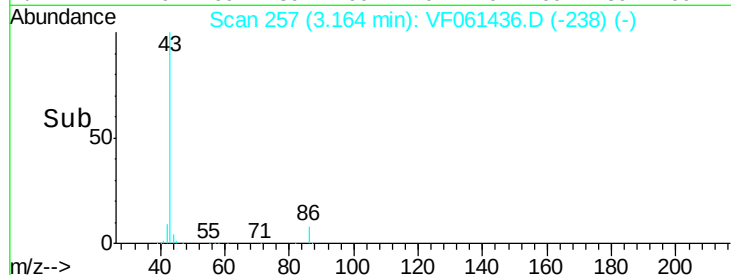
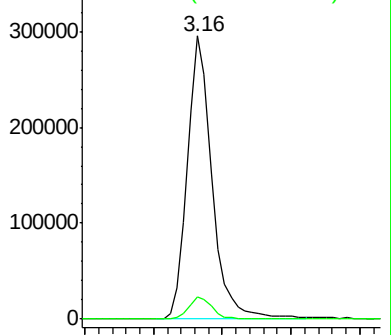
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 48.821 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

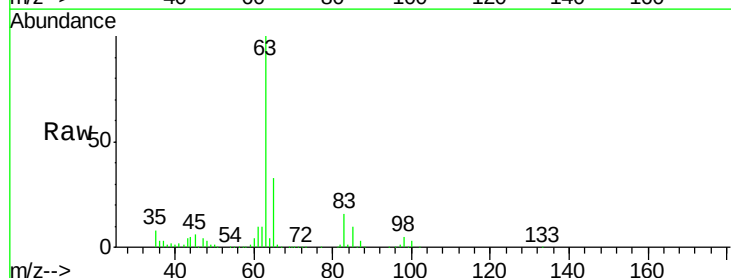
Tgt Ion: 63 Resp: 191982

Ion Ratio Lower Upper

63 100

98 4.8 2.9 8.8

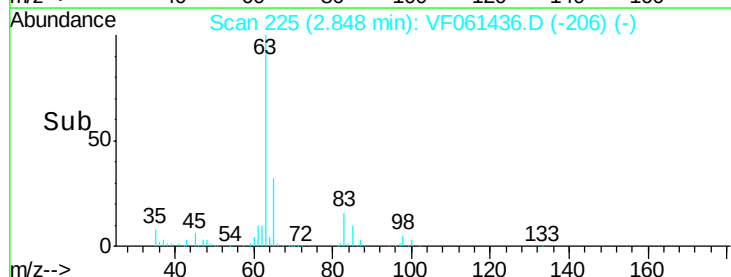
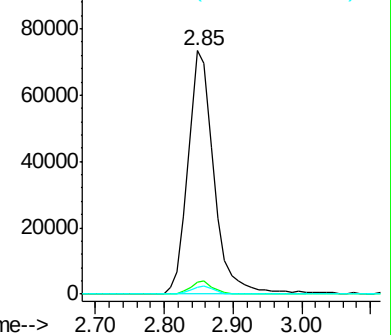
100 2.9 1.6 4.8

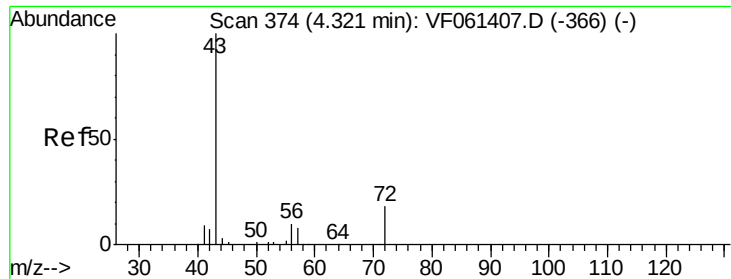


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 257.231 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 209736

Ion Ratio Lower Upper

43 100

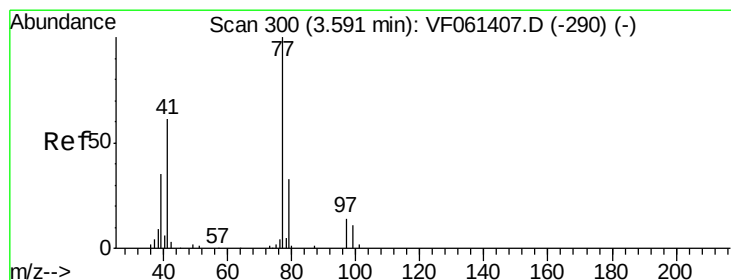
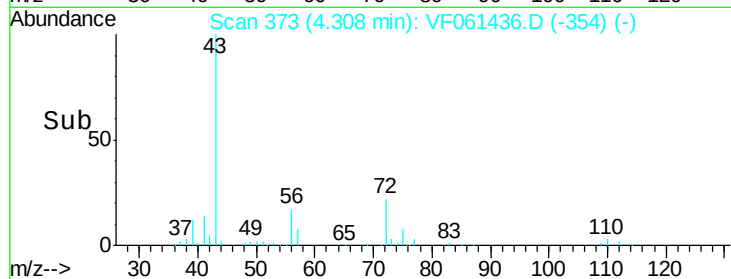
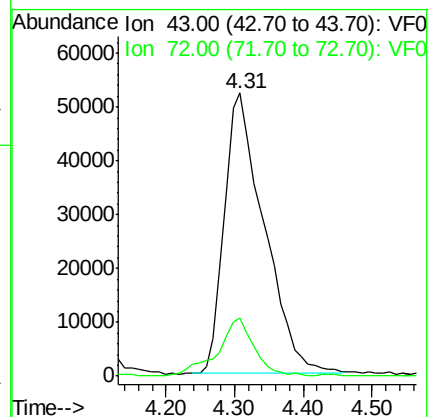
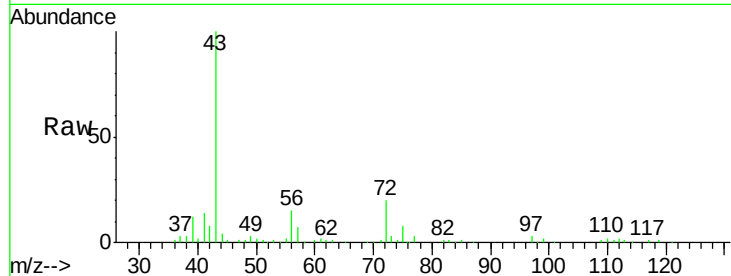
72 20.4 15.8 23.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.609 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061436.D

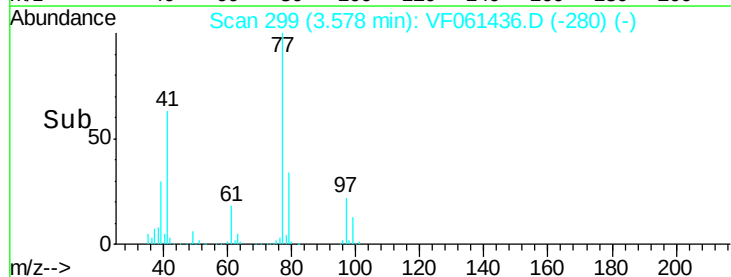
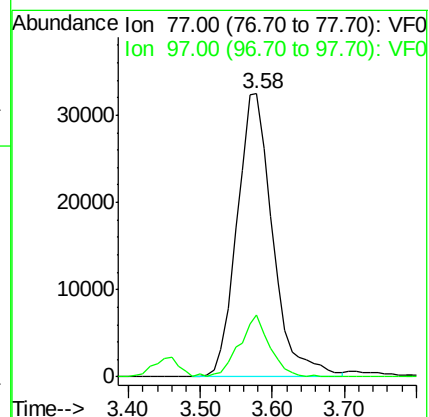
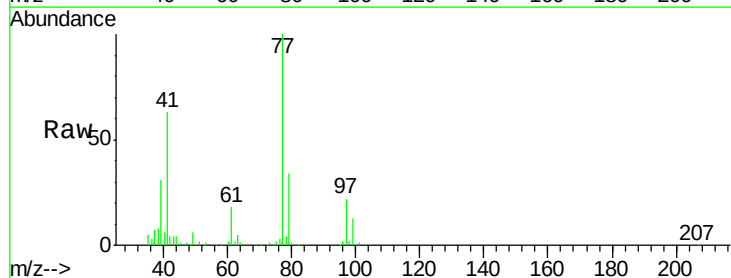
Acq: 17 Jan 2019 10:56

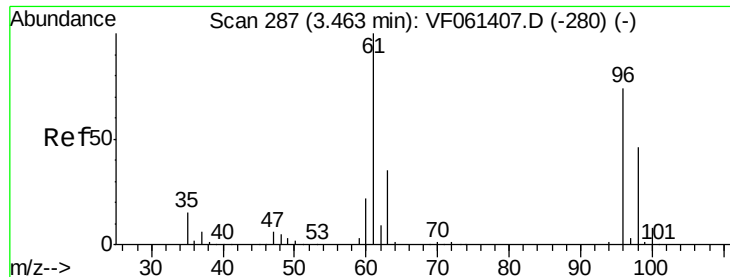
Tgt Ion: 77 Resp: 112610

Ion Ratio Lower Upper

77 100

97 21.7 8.5 25.5





#27

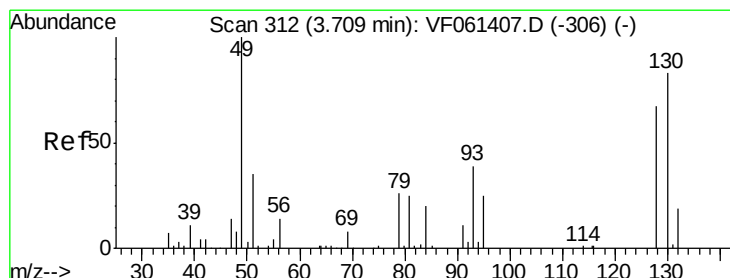
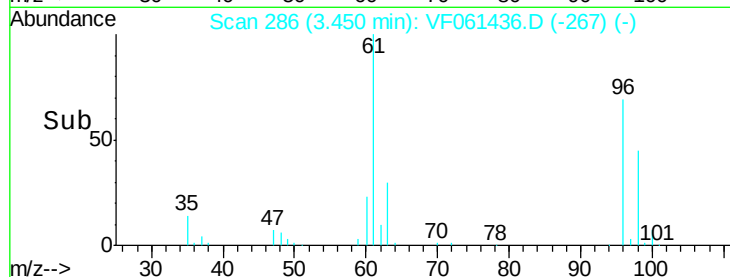
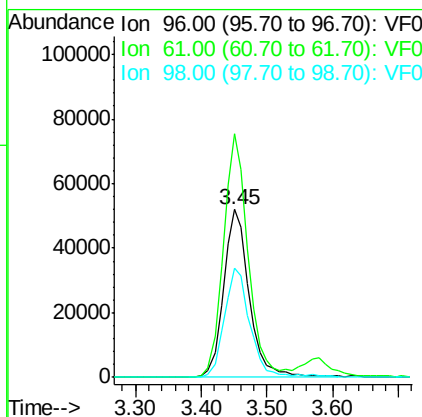
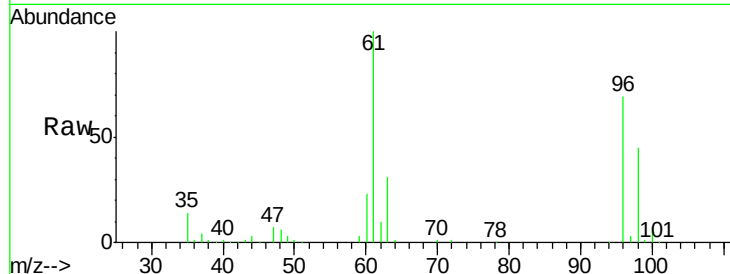
cis-1,2-Dichloroethene
Concen: 49.626 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	141905		
61	145.1	0.0	270.2	
98	64.9	0.0	124.0	

Manual Integrations
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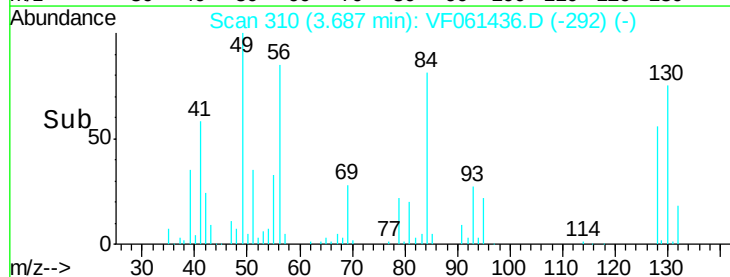
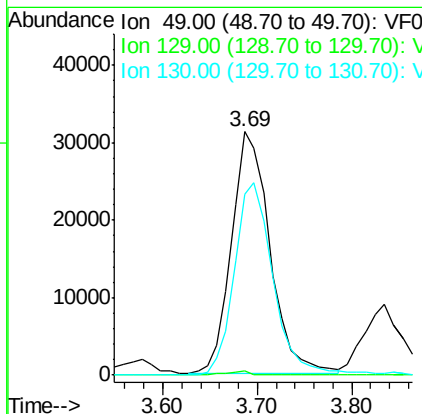
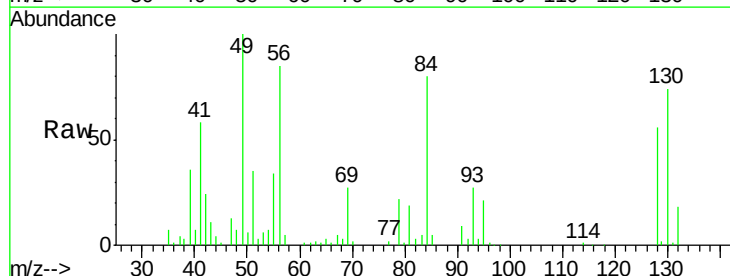
MMDadoda
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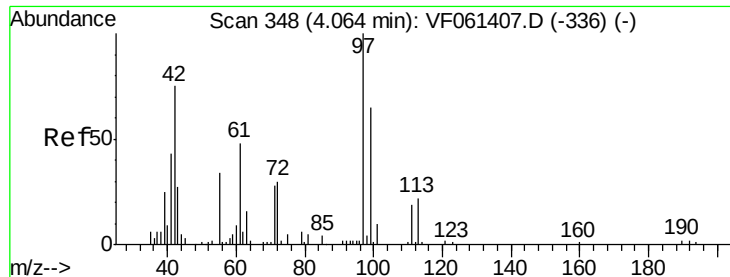


#28

Bromochloromethane
Concen: 50.061 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88490		
129	1.9	0.0	0.0#	
130	74.1	65.4	98.2	





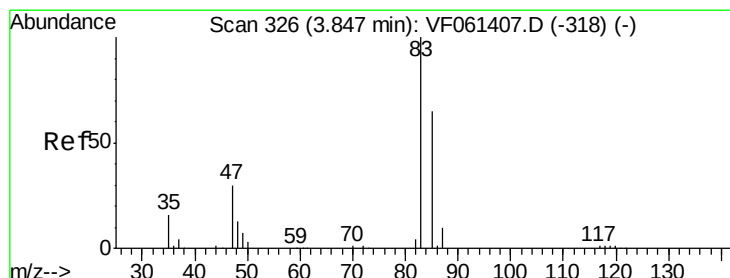
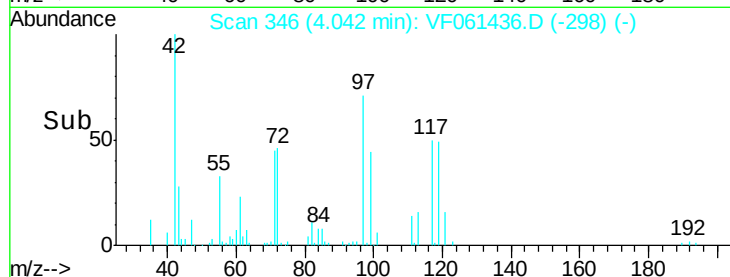
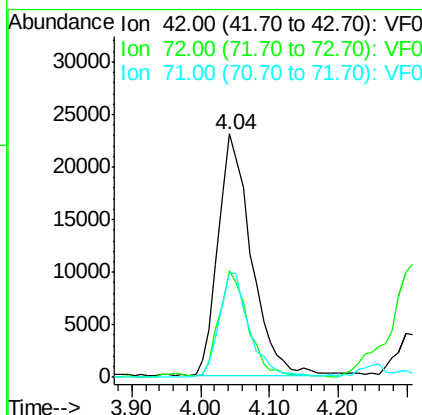
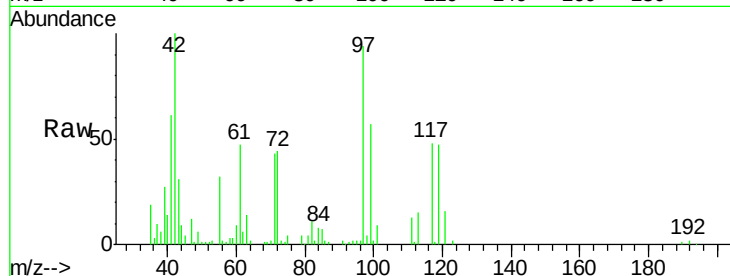
#29
Tetrahydrofuran
Concen: 221.104 ug/l
RT: 4.04 min Scan# 346
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	28.9	43.3
71	39.4	29.6	44.4

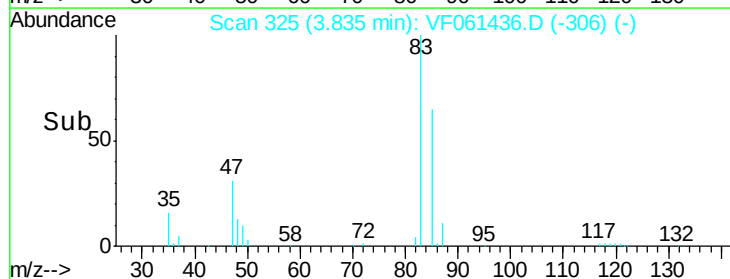
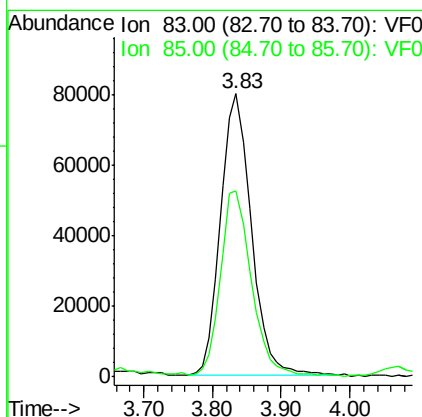
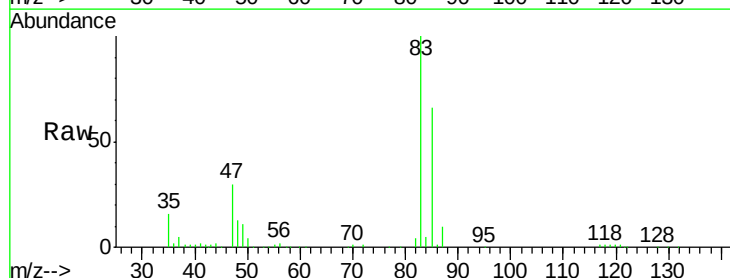
Manual Integrations
APPROVED

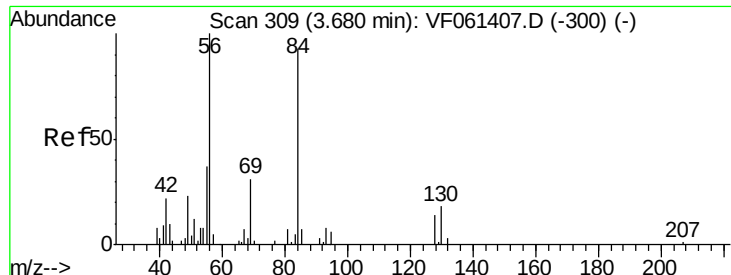
MMDadoda
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#30
Chloroform
Concen: 46.526 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.7	79.1





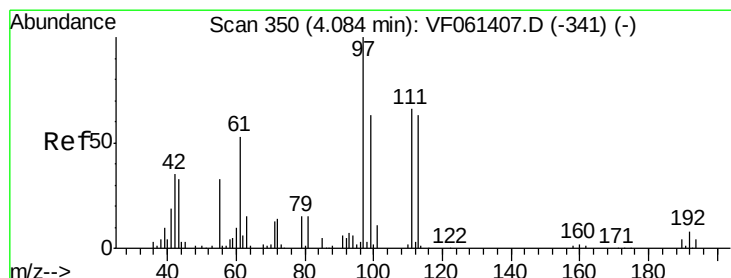
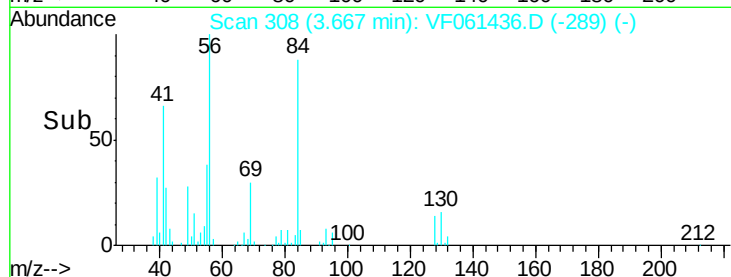
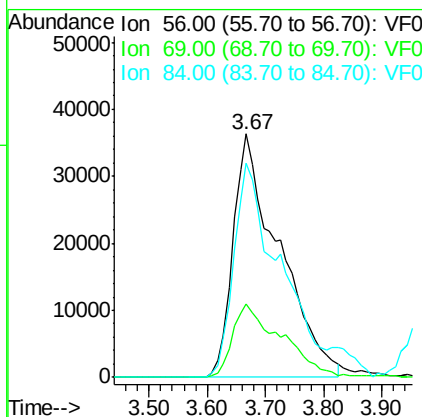
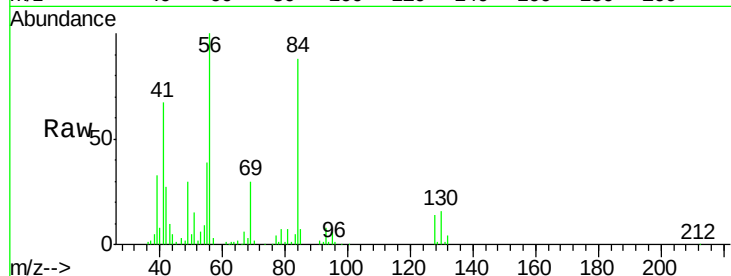
#31
Cyclohexane
Concen: 50.915 ug/l
RT: 3.67 min Scan# 308
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.6	36.8
84	87.7	74.2	111.2

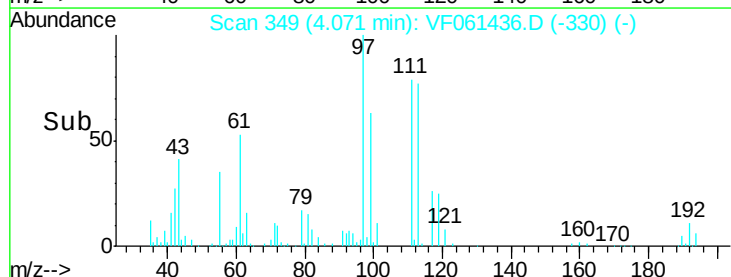
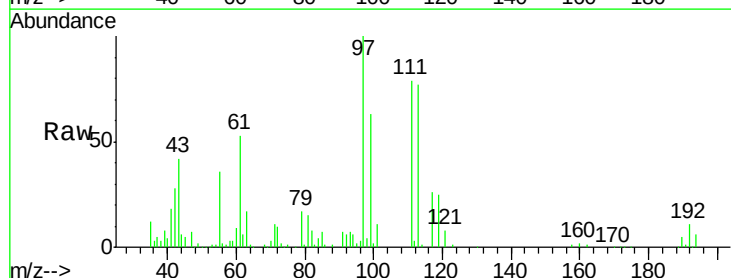
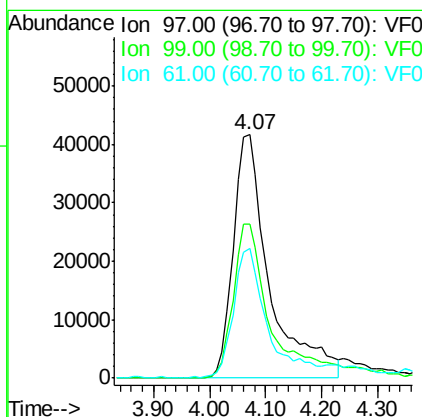
Manual Integrations
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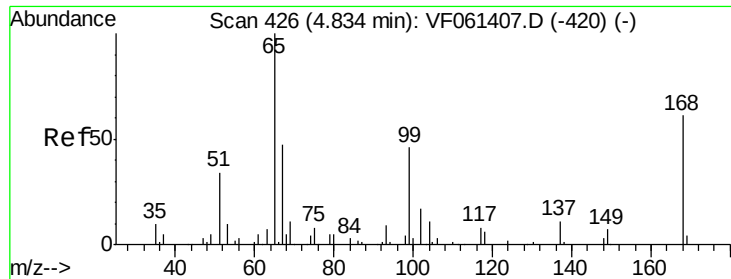
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1/18/2019 3:41:50 PM



#32
1,1,1-Trichloroethane
Concen: 48.374 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.1	75.1
61	53.5	43.1	64.7





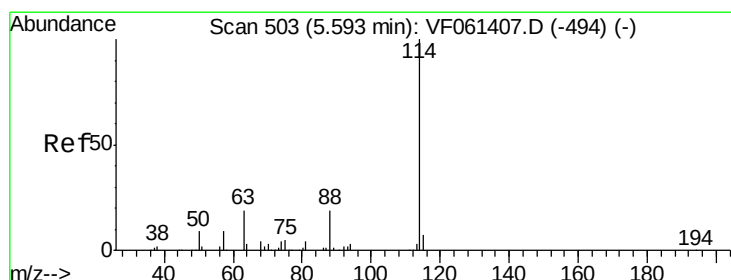
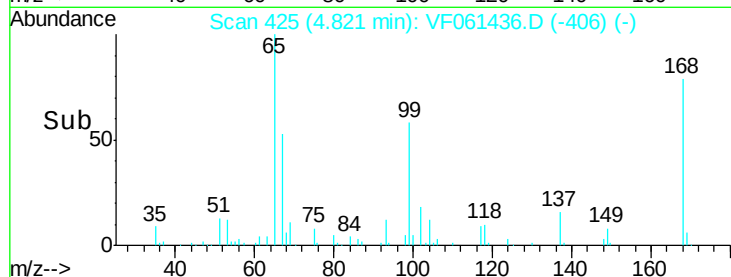
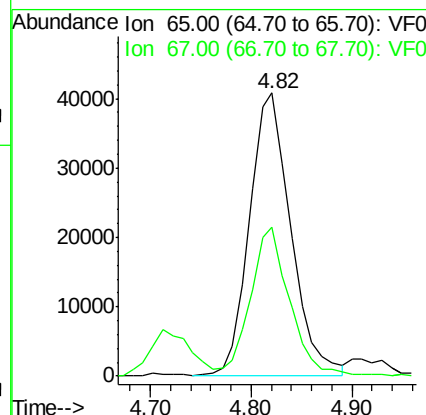
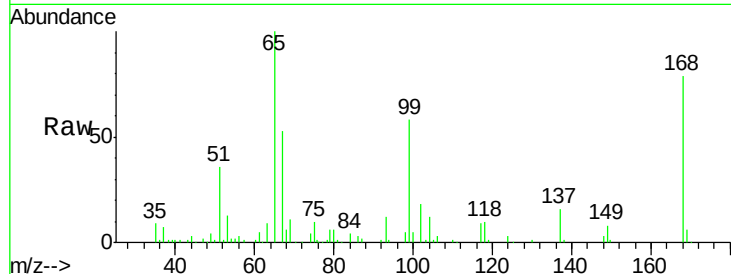
#33
 1,2-Dichloroethane-d4
 Concen: 47.432 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	115927		
67	52.7	0.0	99.8	

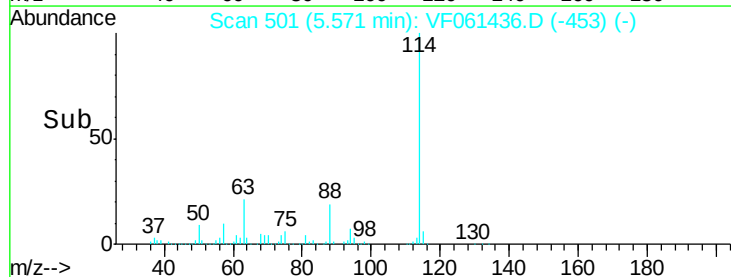
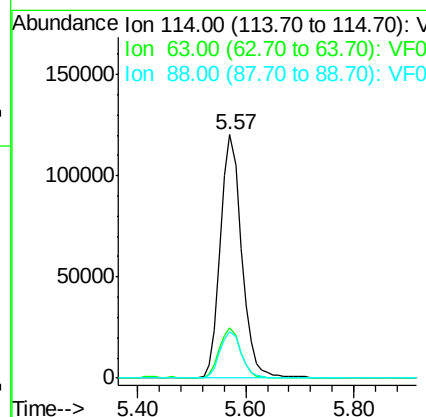
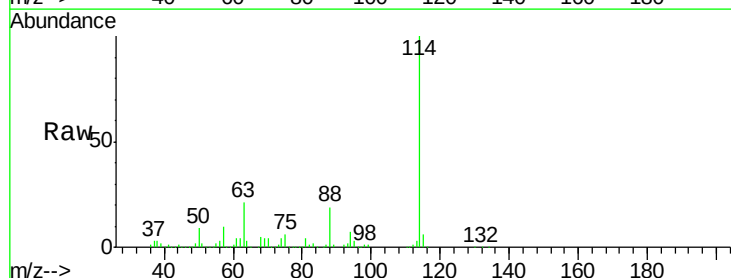
Manual Integrations
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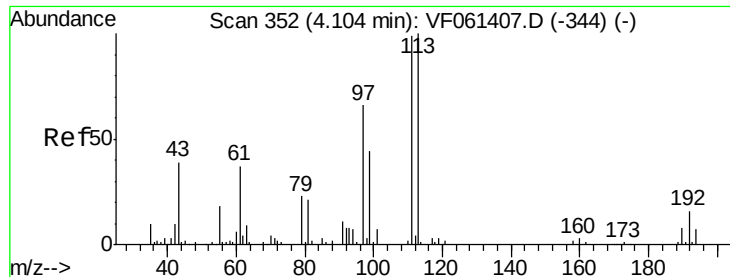
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.02 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	330746		
63	20.7	0.0	39.0	
88	19.3	0.0	37.4	





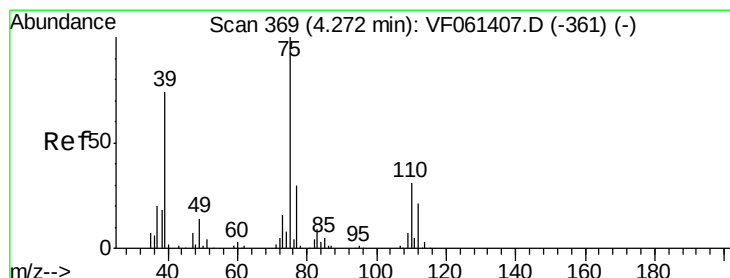
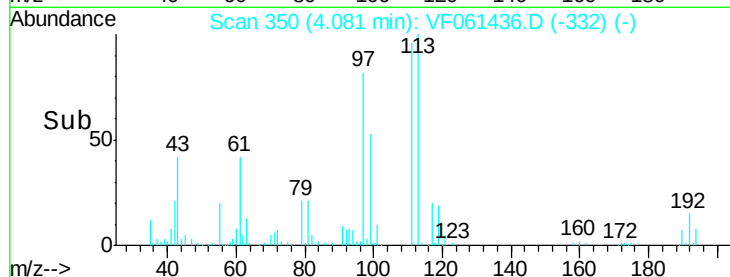
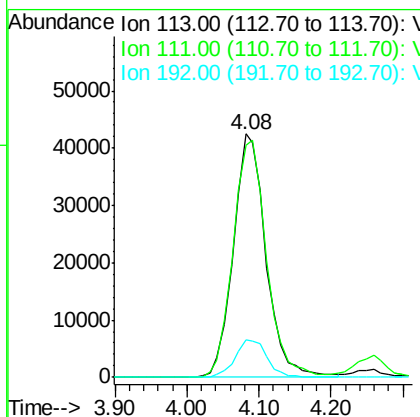
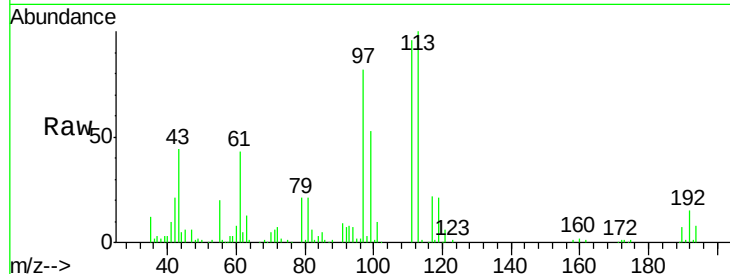
#35
 Dibromofluoromethane
 Concen: 51.272 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133812		
111	95.6	79.4	119.0	
192	15.2	12.4	18.6	

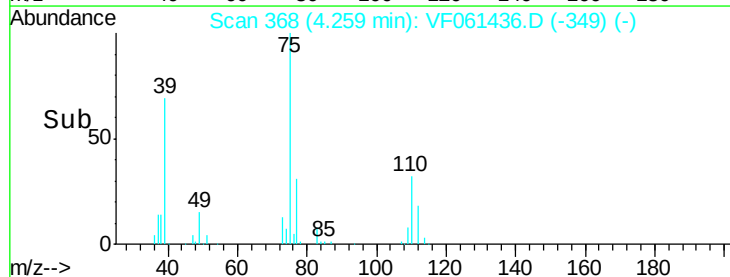
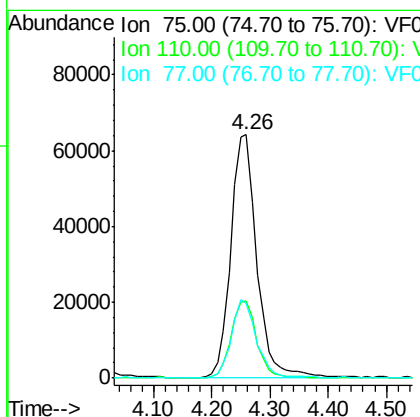
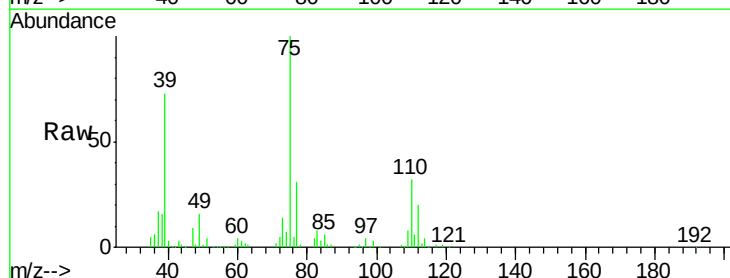
Manual Integrations
 APPROVED

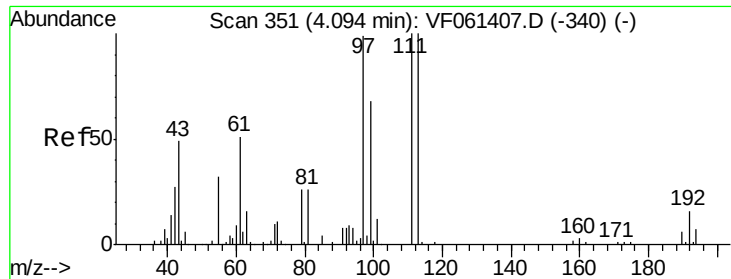
MMDadoda
 1/18/2019 3:41:50 PM



#36
 1,1-Dichloropropene
 Concen: 51.788 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	198600		
110	31.6	15.8	47.3	
77	30.8	24.0	36.0	





#37

Ethyl Acetate

Concen: 50.105 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

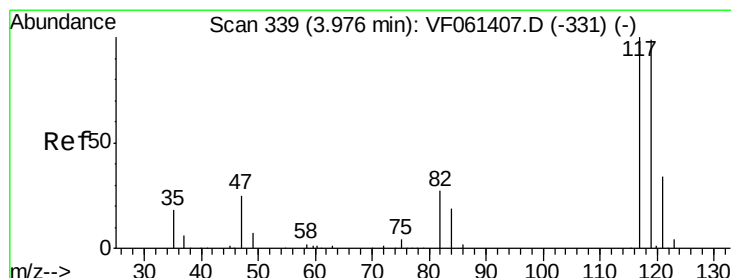
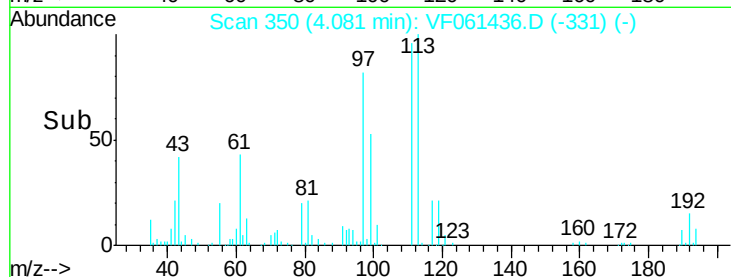
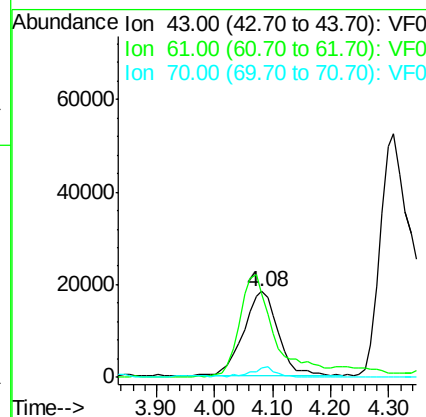
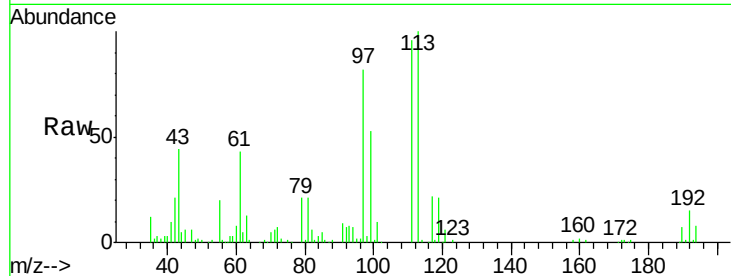
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	76807
Ion	Ratio	Lower	Upper
43	100		
61	97.8	81.7	122.5
70	10.4	6.2	9.2#

Manual Integrations
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1/18/2019 3:41:50 PM



#38

Carbon Tetrachloride

Concen: 47.997 ug/l

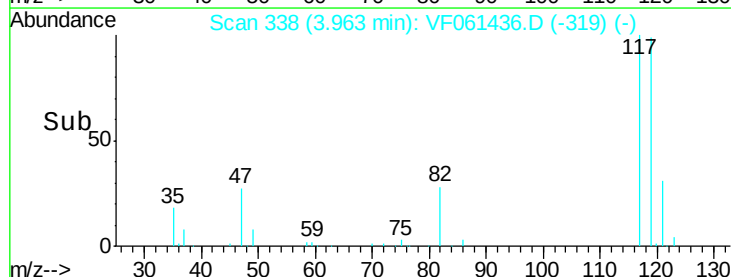
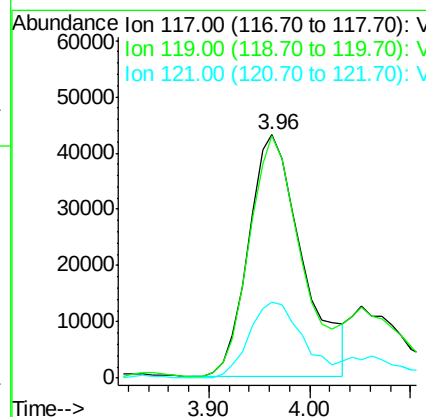
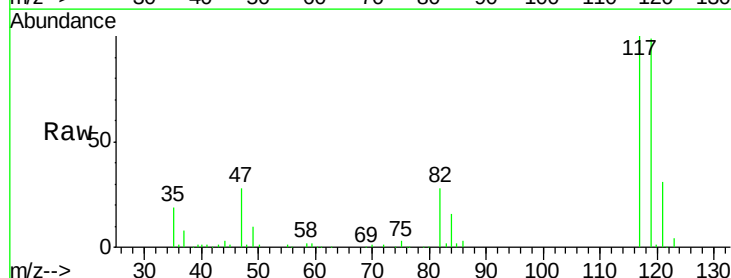
RT: 3.96 min Scan# 338

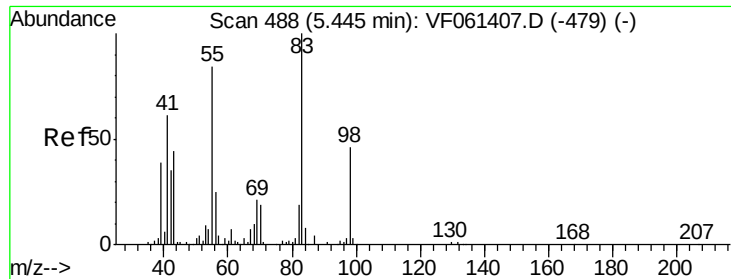
Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion:	117	Resp:	160912
Ion	Ratio	Lower	Upper
117	100		
119	99.3	79.0	118.6
121	31.6	27.0	40.6





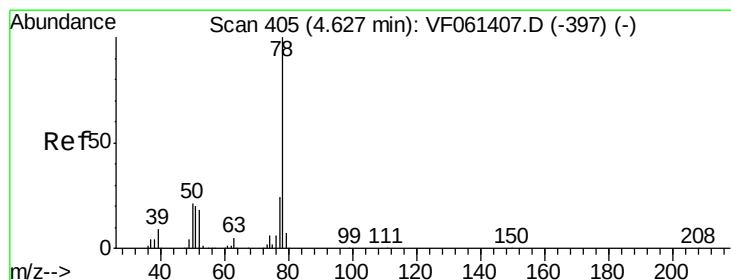
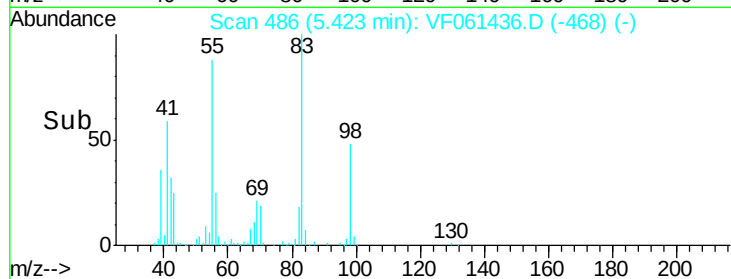
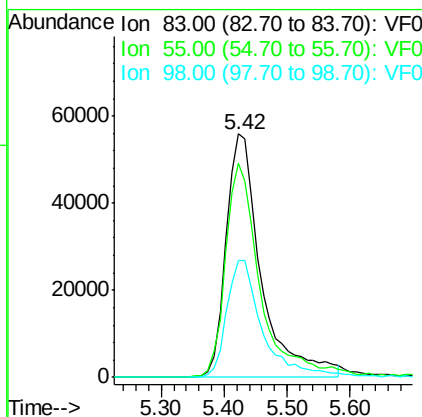
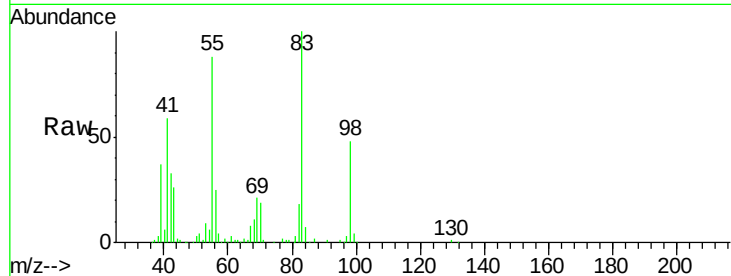
#39
Methylvlcyclohexane
Concen: 51.913 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.2	67.4	101.2
98	48.0	36.7	55.1

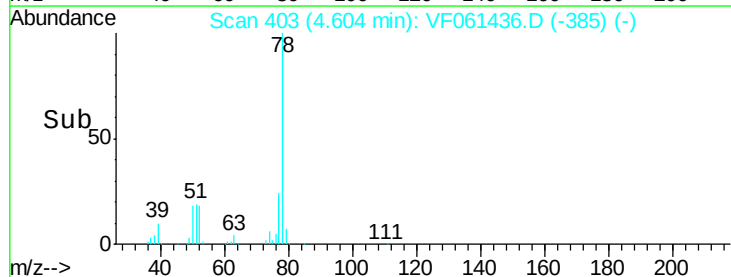
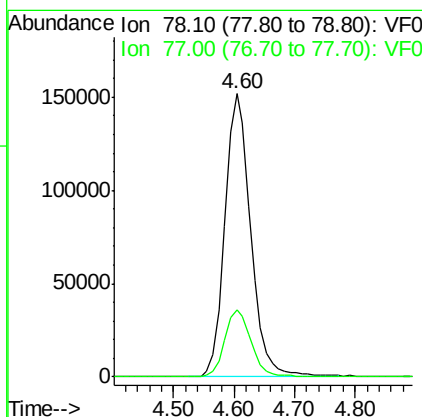
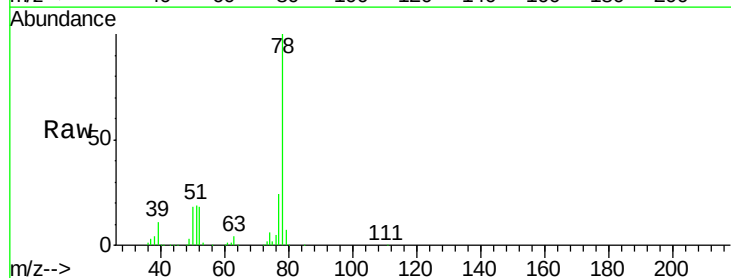
Manual Integrations
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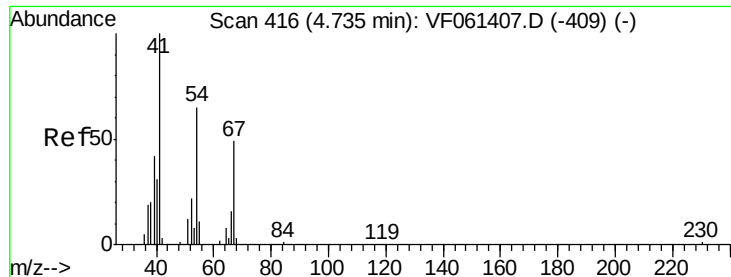
MMDadoda
1/18/2019 3:41:50 PM



#40
Benzene
Concen: 52.750 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





#41

Methacrylonitrile

Concen: 49.221 ug/l

RT: 4.71 min Scan# 414

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

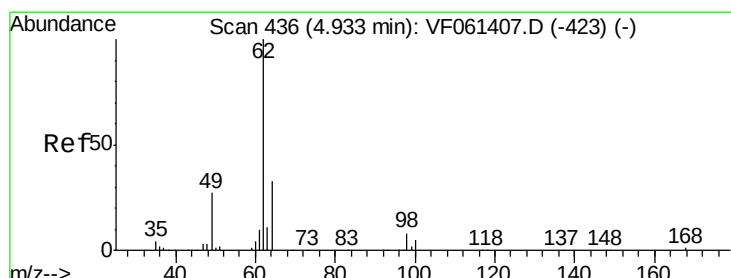
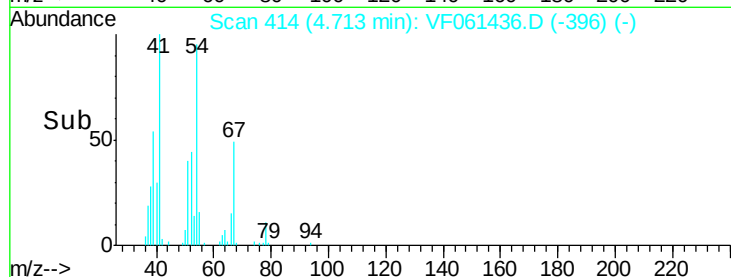
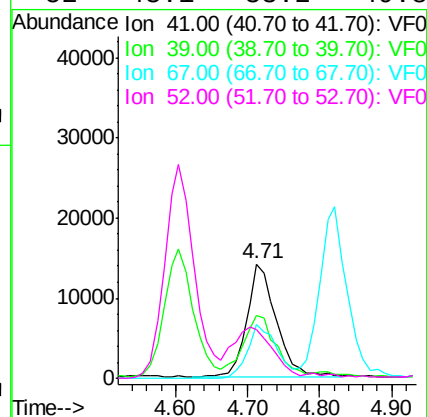
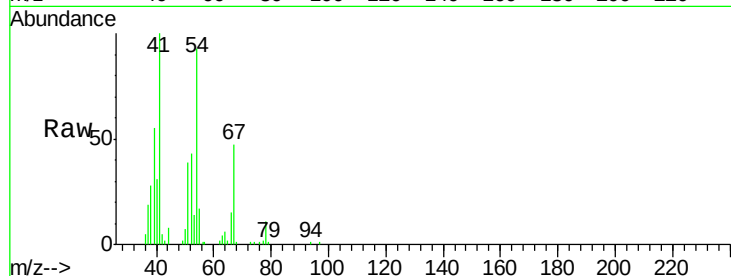
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
40148	41	100		
	39	54.6	43.1	64.7
	67	47.3	38.8	58.2
	52	43.1	33.2	49.8

Manual Integrations
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1/18/2019 3:41:50 PM



#42

1,2-Dichloroethane

Concen: 48.138 ug/l

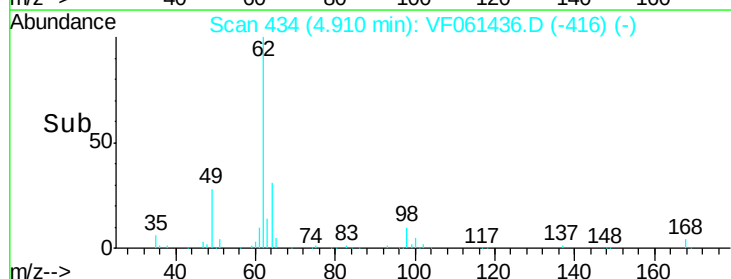
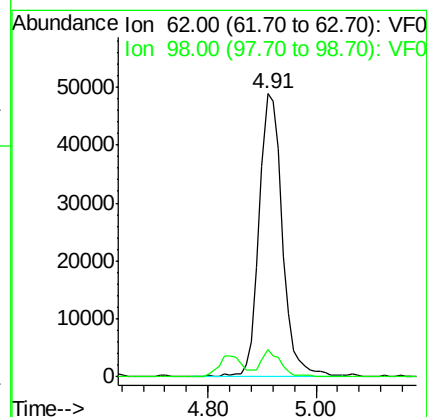
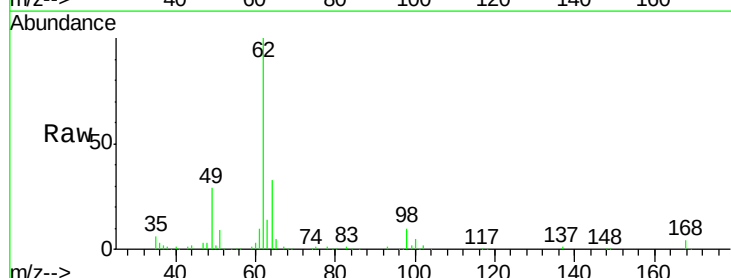
RT: 4.91 min Scan# 434

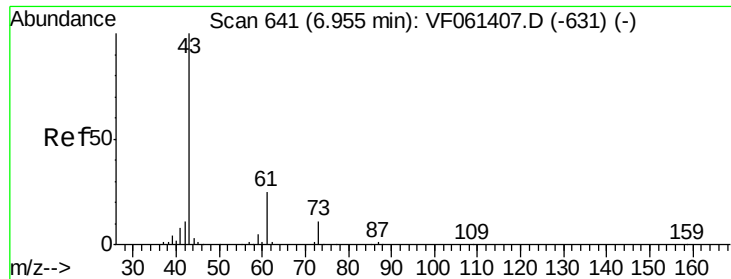
Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion	Ion	Ratio	Lower	Upper
146375	62	100		
	98	9.7	0.0	17.0





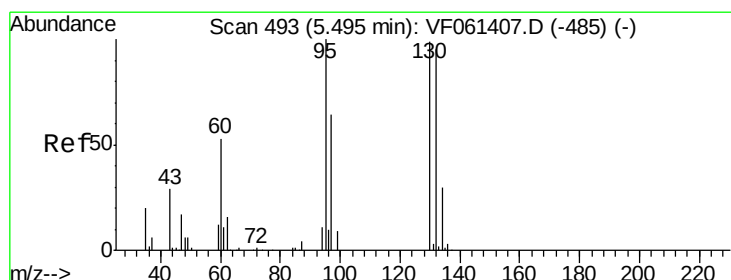
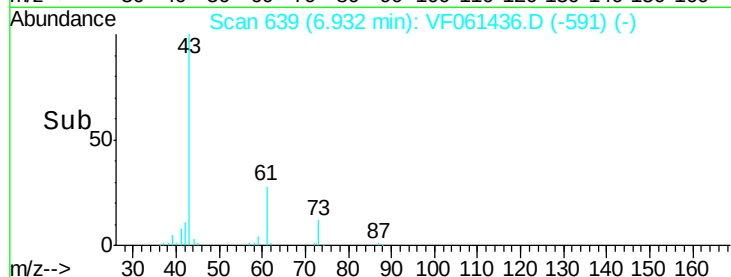
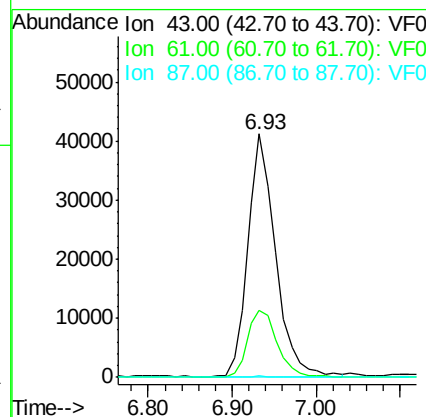
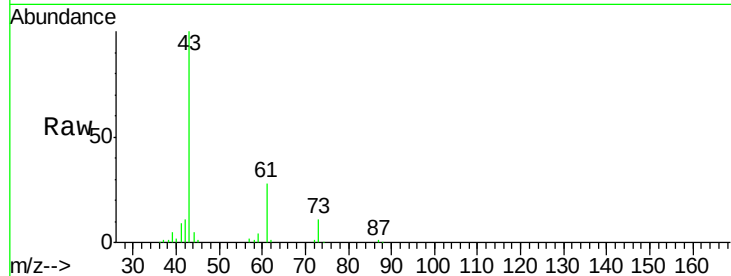
#43
Isopropyl Acetate
Concen: 49.661 ug/l
RT: 6.93 min Scan# 639
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	20.3	30.5
87	0.6	0.5	0.7

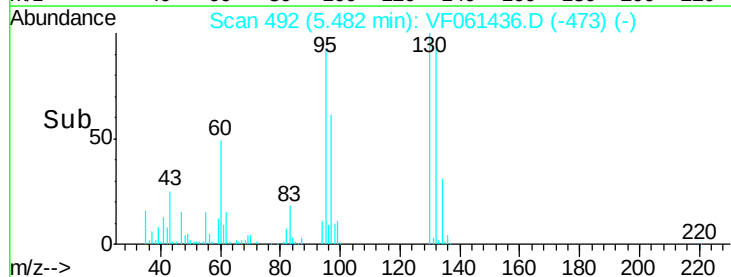
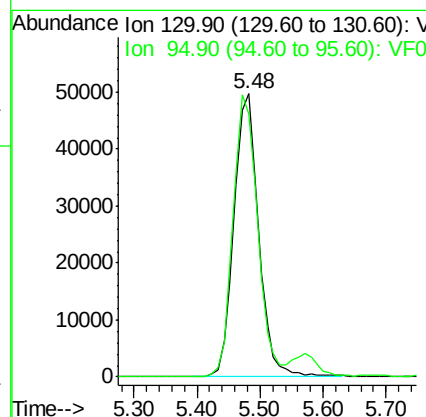
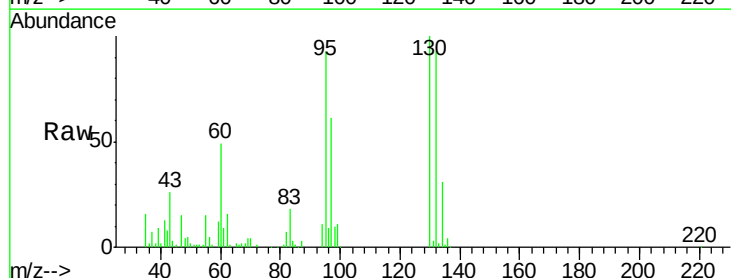
Manual Integrations
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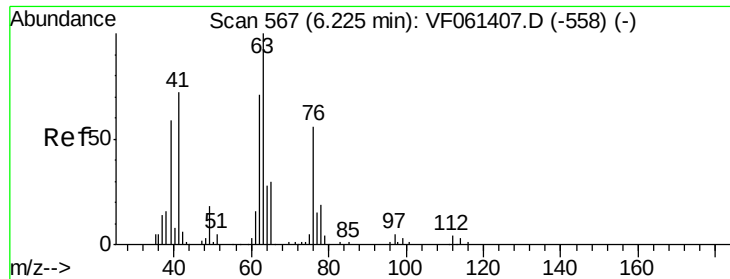
MMDadoda
1/18/2019 3:41:50 PM



#44
Trichloroethene
Concen: 51.373 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	202.8





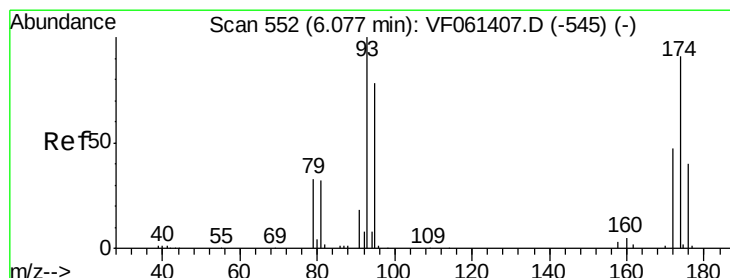
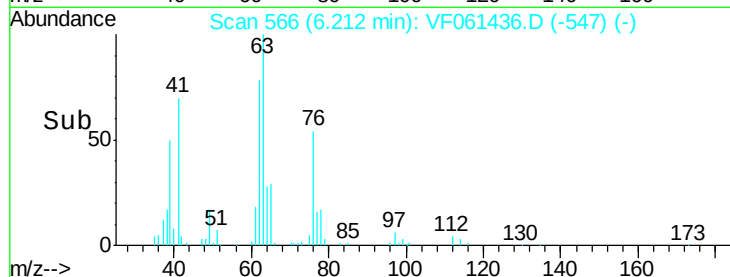
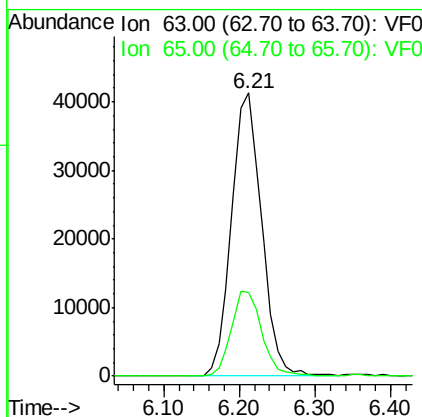
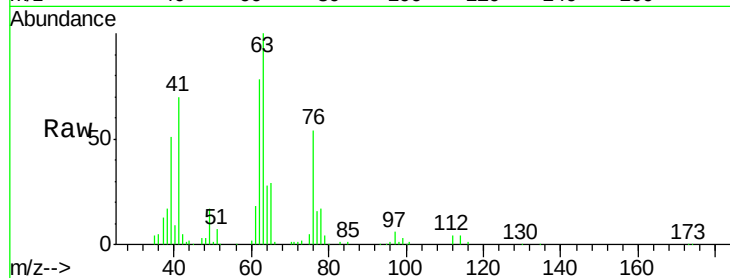
#45
 1,2-Dichloropropane
 Concen: 50.874 ug/l
 RT: 6.21 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 113935
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.4 36.6

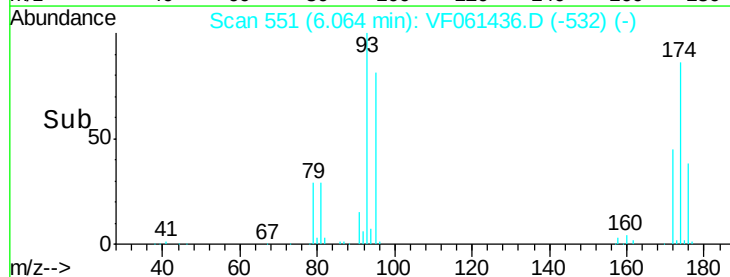
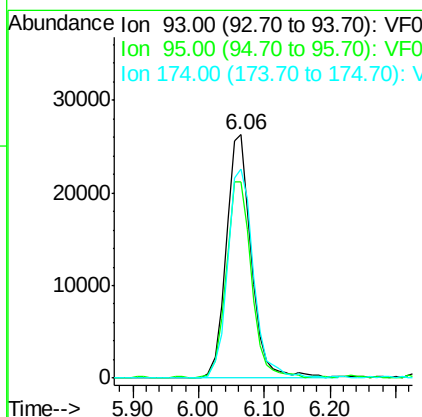
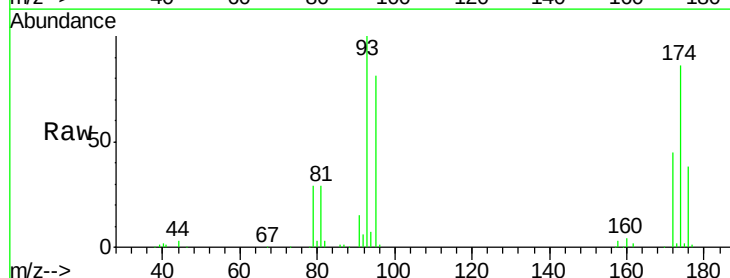
Manual Integrations
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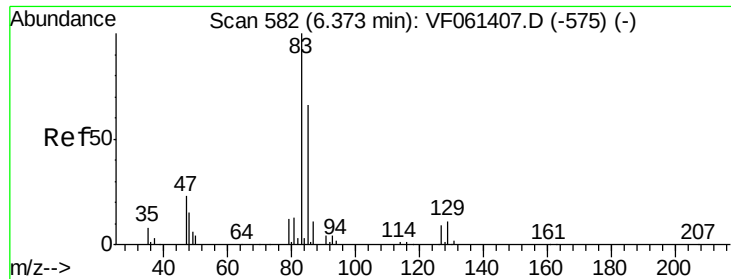
MMDadoda
 1/18/2019 3:41:50 PM



#46
 Dibromomethane
 Concen: 47.193 ug/l
 RT: 6.06 min Scan# 551
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Tgt Ion: 93 Resp: 70278
 Ion Ratio Lower Upper
 93 100
 95 80.6 62.1 93.1
 174 86.0 74.6 111.8





#47

Bromodichloromethane

Concen: 51.661 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

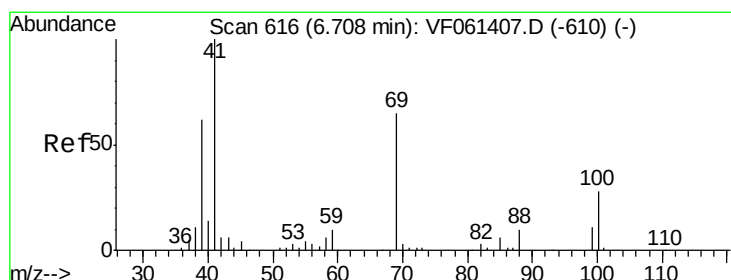
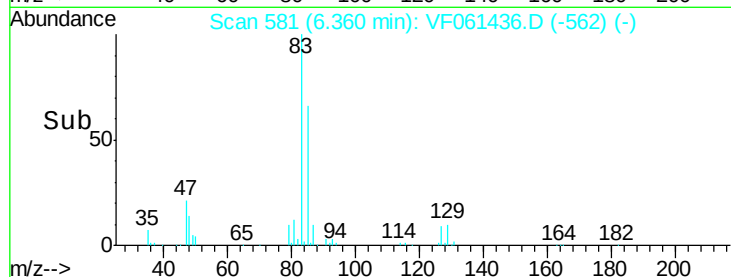
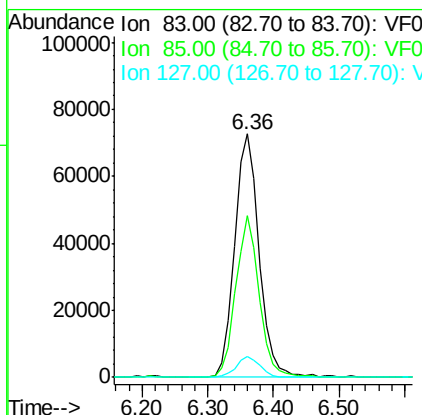
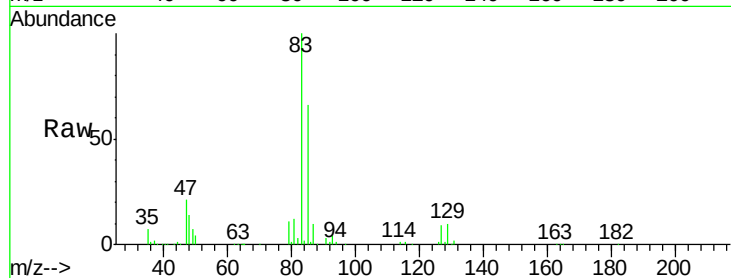
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	190345
Ion Ratio	Lower	Upper	
83	100		
85	66.5	53.0	79.4
127	8.6	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.725 ug/l

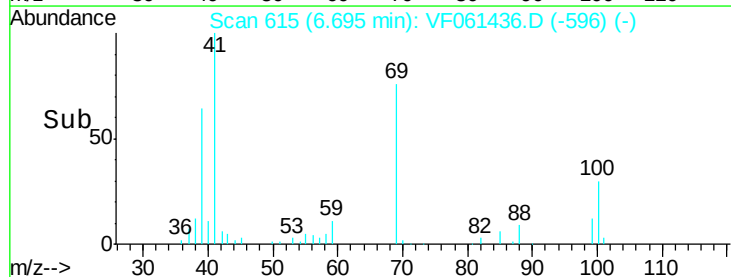
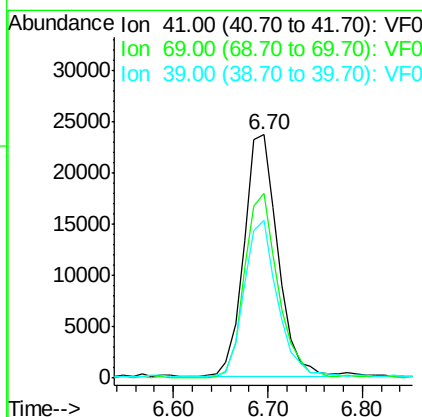
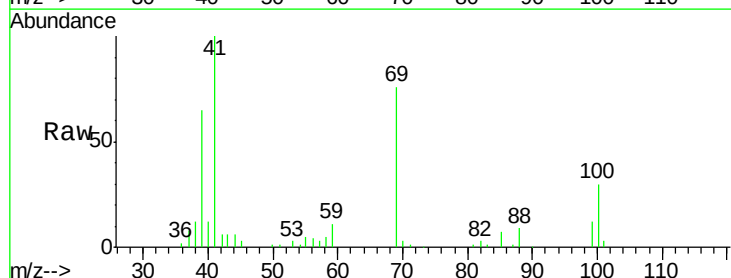
RT: 6.70 min Scan# 615

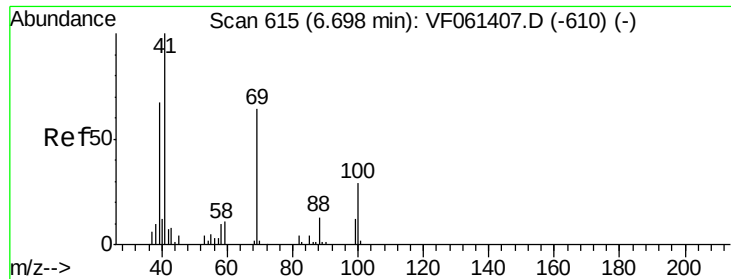
Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion:	41	Resp:	59073
Ion Ratio	Lower	Upper	
41	100		
69	75.7	51.7	77.5
39	64.8	49.2	73.8





#49

1,4-Dioxane

Concen: 971.395 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

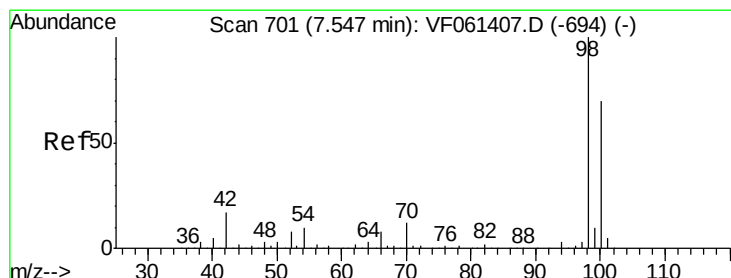
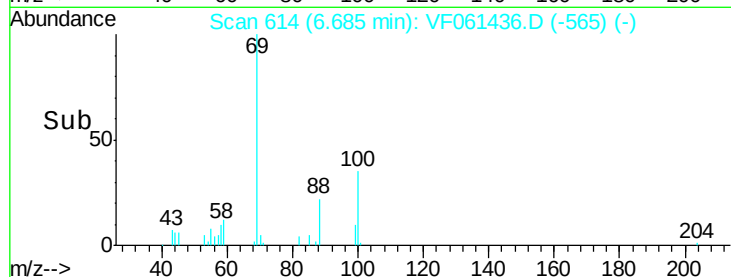
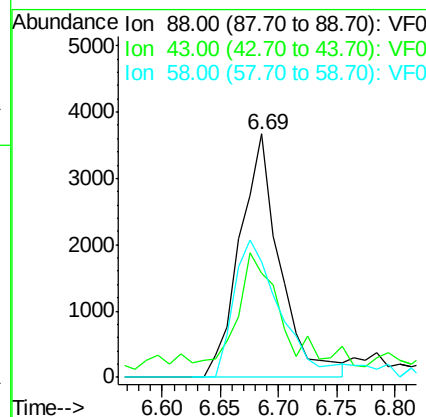
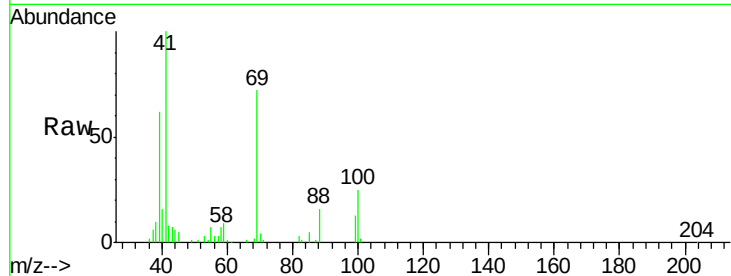
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	8778
Ion	Ratio	Lower	Upper
88	100		
43	43.0	55.5	83.3#
58	47.4	59.9	89.9#

Manual Integrations
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#50

Toluene-d8

Concen: 55.136 ug/l

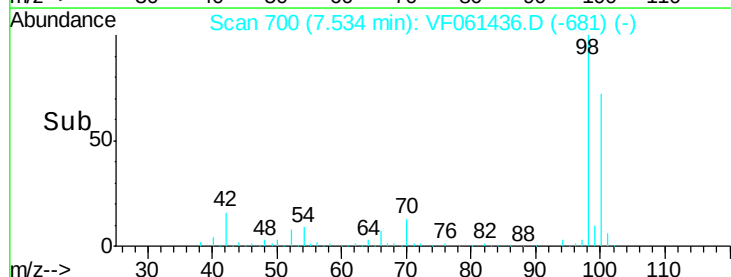
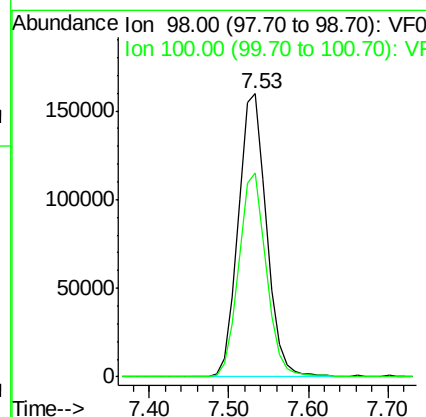
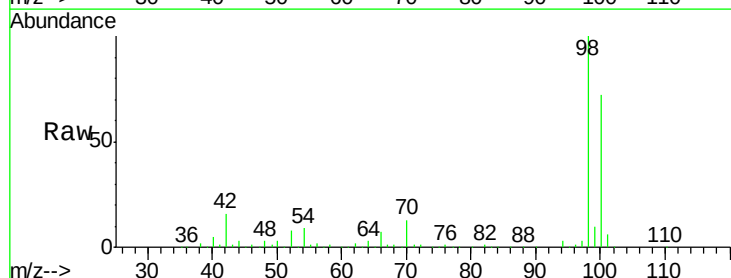
RT: 7.53 min Scan# 700

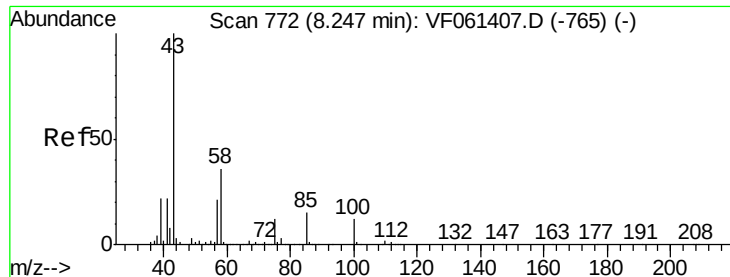
Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion:	98	Resp:	394257
Ion	Ratio	Lower	Upper
98	100		
100	72.3	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 239.841 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 339226

Ion Ratio Lower Upper

43 100

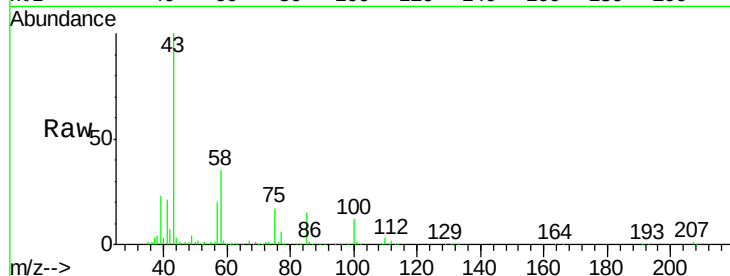
58 35.3 28.8 43.2

Manual Integrations

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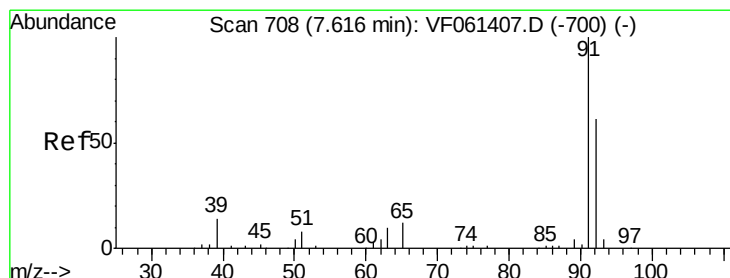
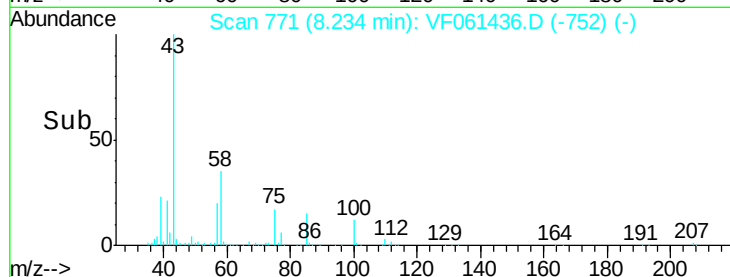
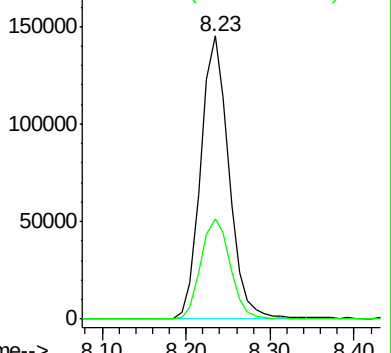
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.676 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.01 min

Lab File: VF061436.D

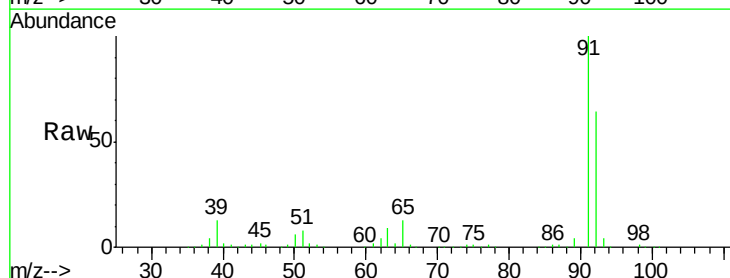
Acq: 17 Jan 2019 10:56

Tgt Ion: 92 Resp: 279146

Ion Ratio Lower Upper

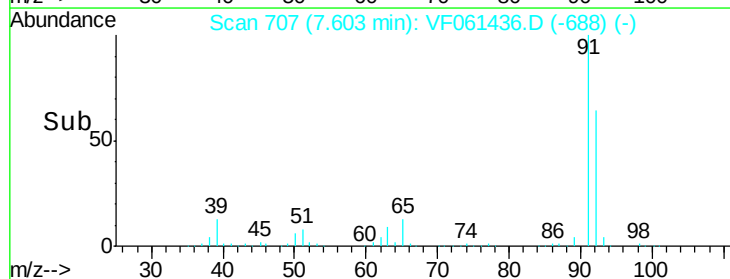
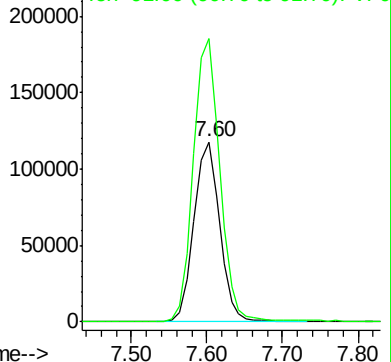
92 100

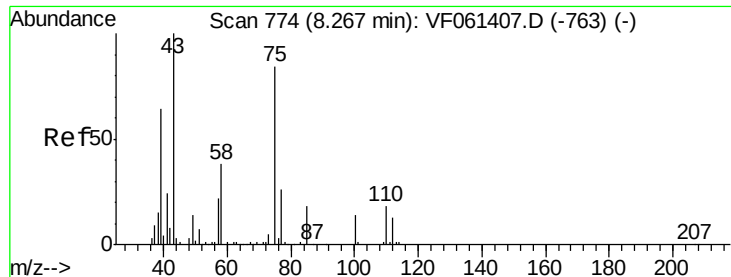
91 157.0 131.2 196.8



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: 49.868 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061436.D

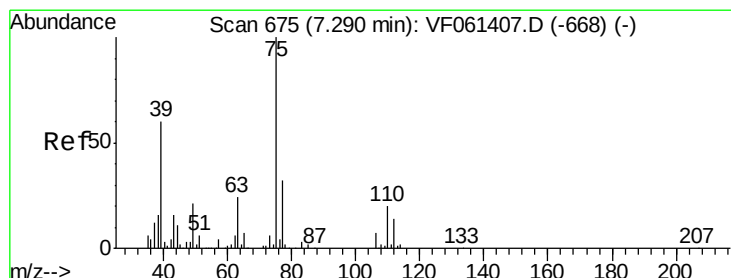
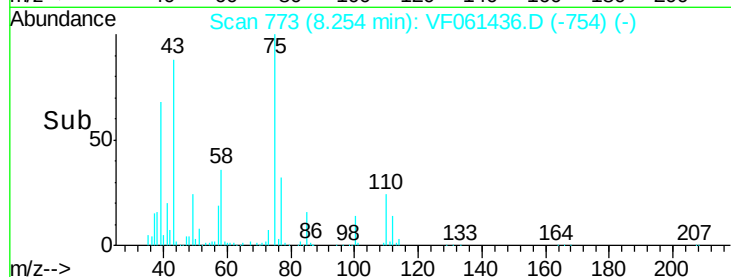
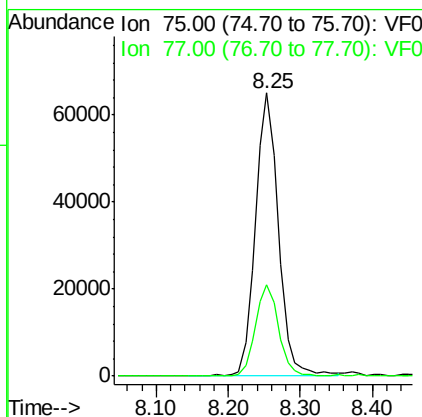
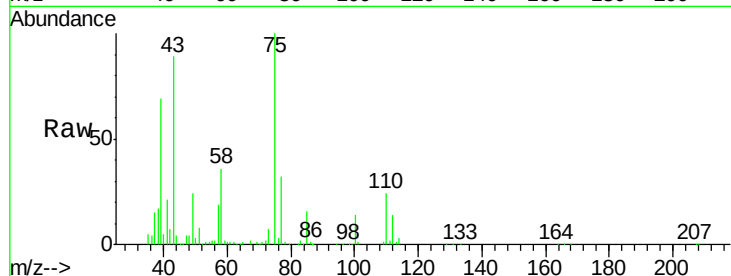
Acq: 17 Jan 2019 10:56

Tot Ion:	75	Resp:	145900
Ion Ratio	Lower	Upper	
75	100		
77	32.4	24.4	36.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 54.301 ug/l

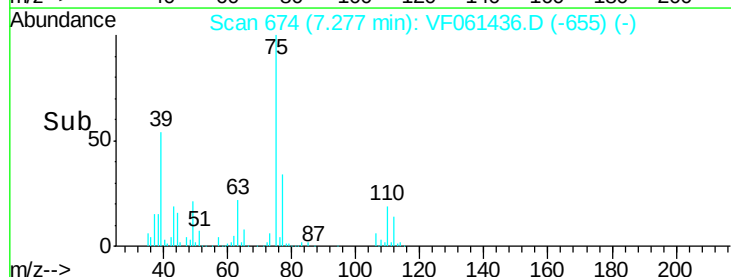
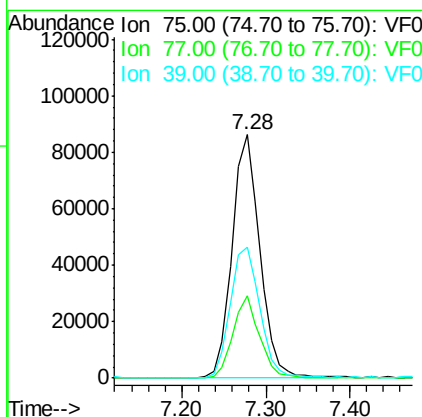
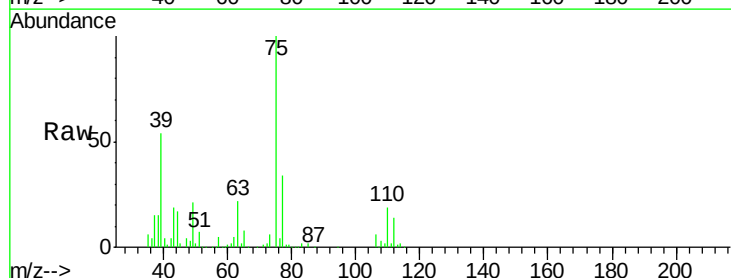
RT: 7.28 min Scan# 674

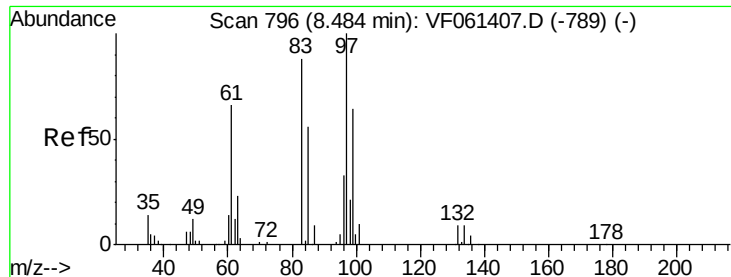
Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion:	75	Resp:	198581
Ion Ratio	Lower	Upper	
75	100		
77	33.9	25.4	38.0
39	54.0	47.8	71.8





#55

1,1,2-Trichloroethane

Concen: 51.147 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

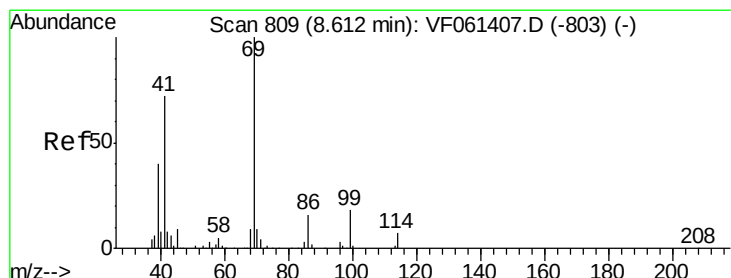
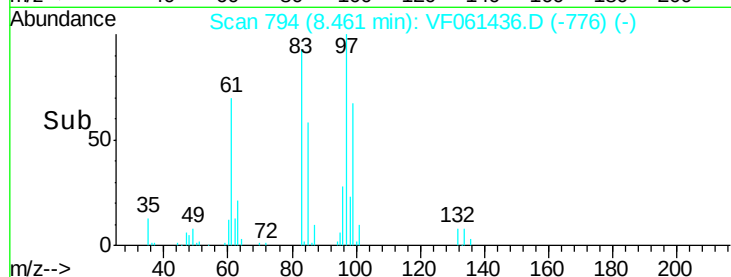
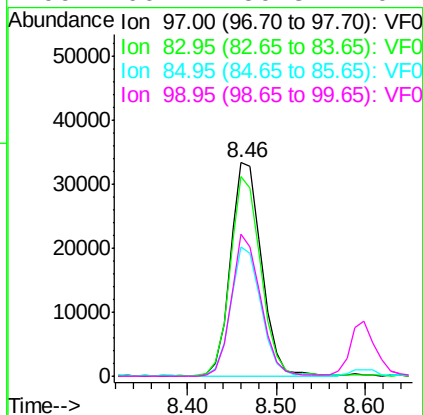
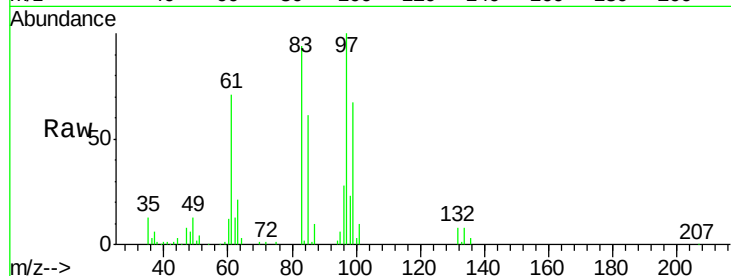
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	81617
Ion	Ratio	Lower	Upper
97	100		
83	93.6	70.4	105.6
85	60.5	44.7	67.1
99	66.7	50.8	76.2

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#56

Ethyl methacrylate

Concen: 49.797 ug/l

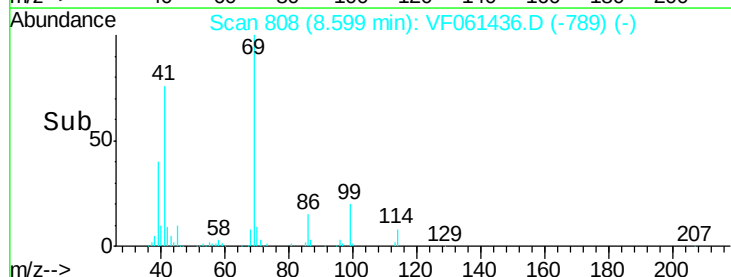
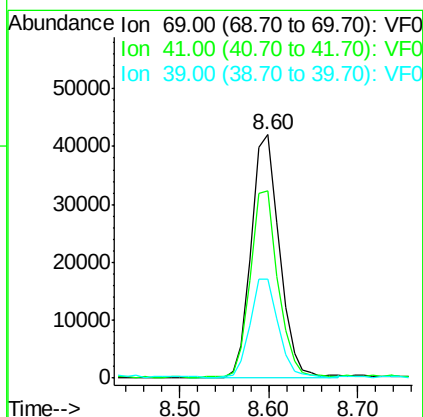
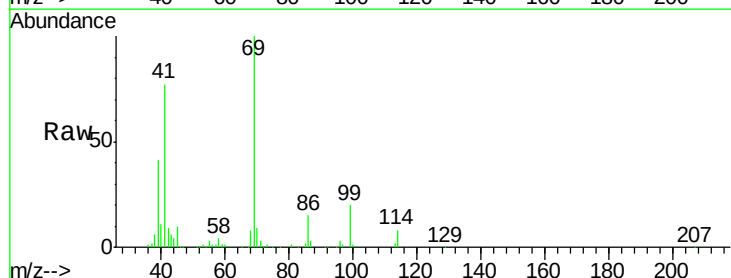
RT: 8.60 min Scan# 808

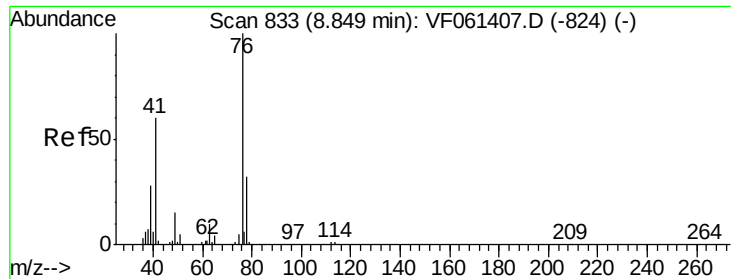
Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion:	69	Resp:	92449
Ion	Ratio	Lower	Upper
69	100		
41	77.0	57.5	86.3
39	40.6	32.0	48.0





#57

1,3-Dichloropropane

Concen: 47.927 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 143352

Ion Ratio Lower Upper

76 100

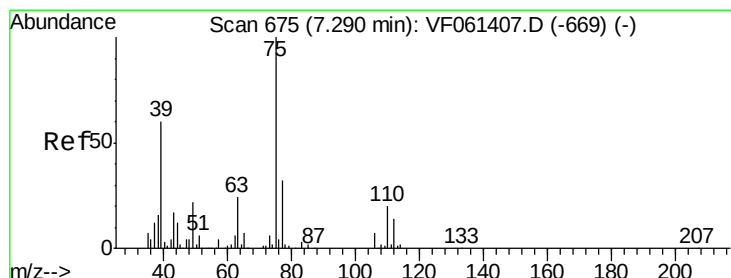
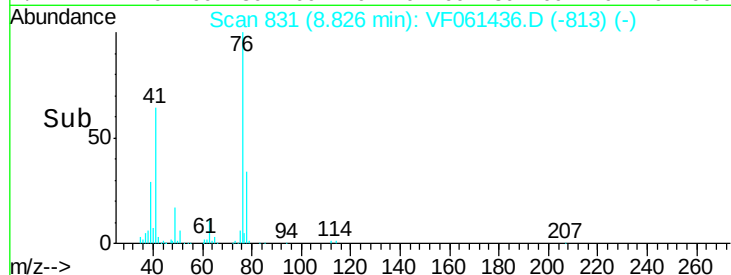
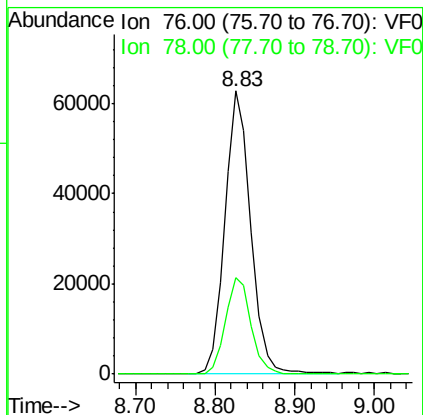
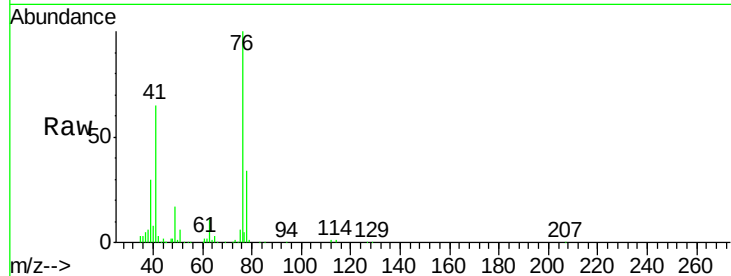
78 34.1 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 259.814 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061436.D

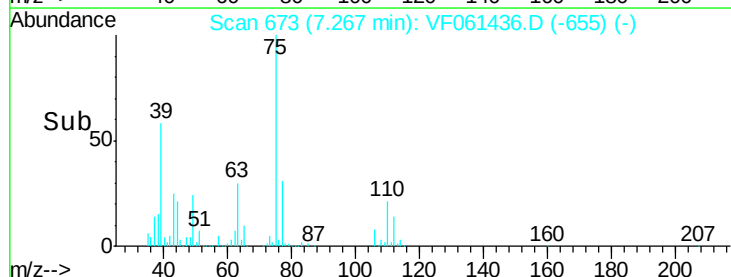
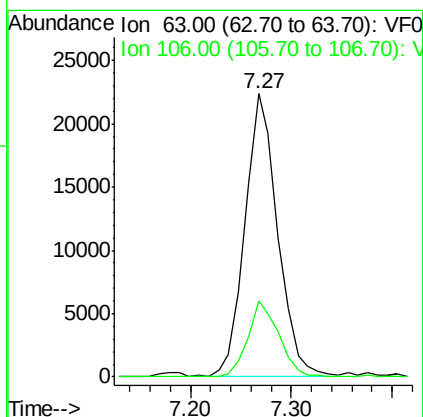
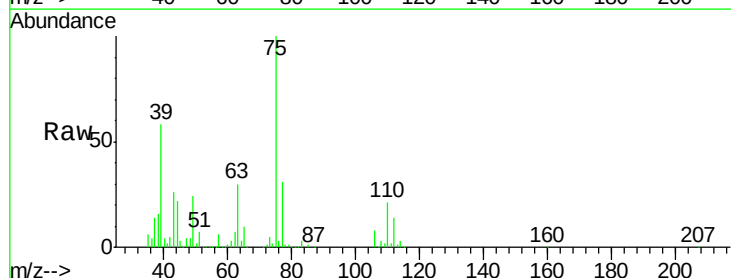
Acq: 17 Jan 2019 10:56

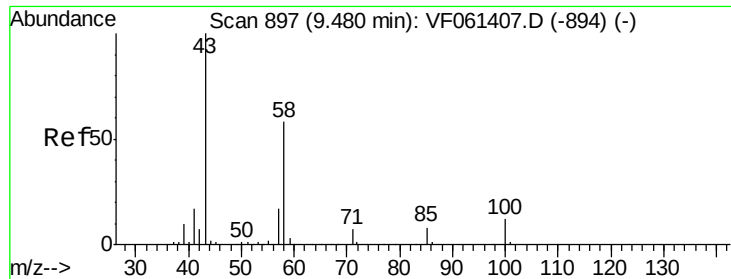
Tgt Ion: 63 Resp: 50817

Ion Ratio Lower Upper

63 100

106 26.8 21.9 32.9





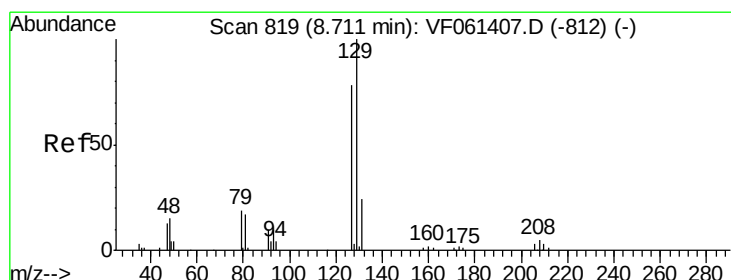
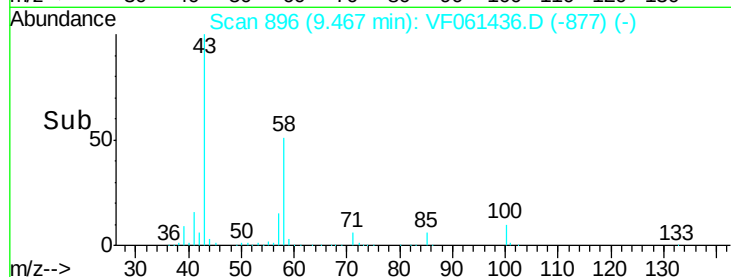
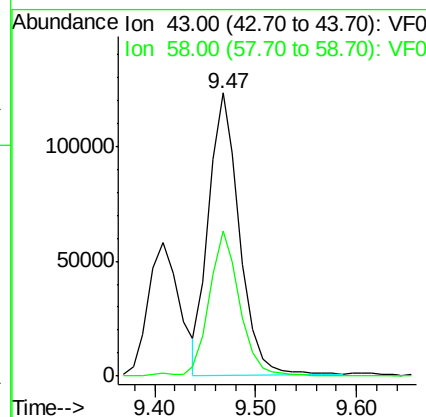
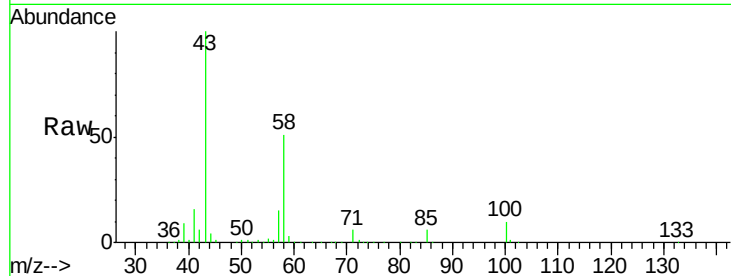
#59
2-Hexanone
Concen: 261.758 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 258165
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.6

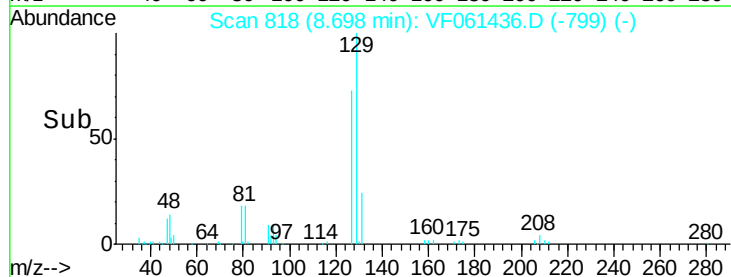
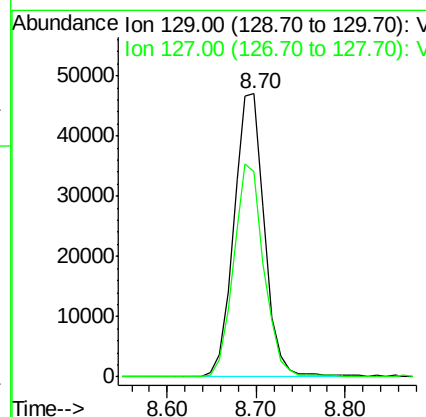
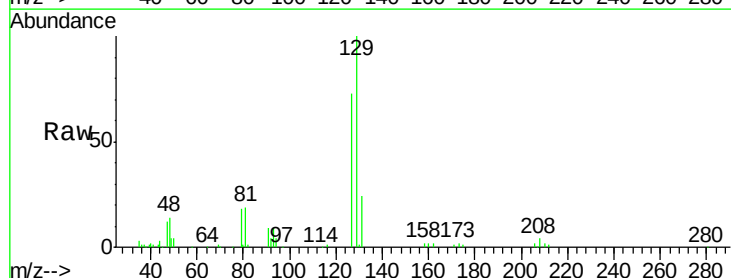
Manual Integrations
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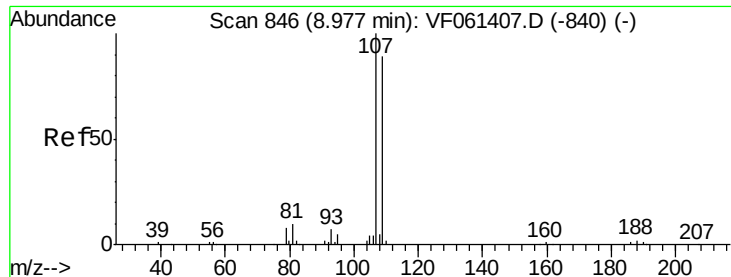
MMDadoda
1/18/2019 3:41:50 PM



#60
Dibromochloromethane
Concen: 48.219 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion: 129 Resp: 112490
Ion Ratio Lower Upper
129 100
127 72.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 45.965 ug/l

RT: 8.95 min Scan# 844

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 83968

Ion Ratio Lower Upper

107 100

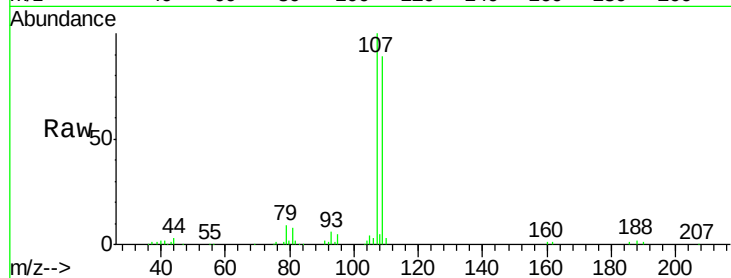
109 89.2 70.8 106.2

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.95

40000

30000

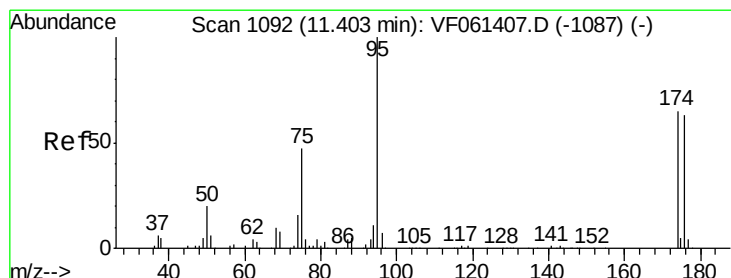
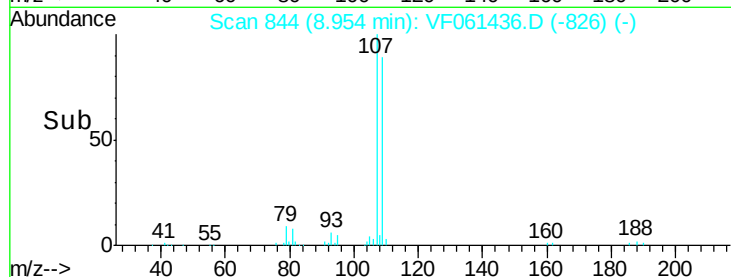
20000

10000

0

Time-->

8.90 9.00



#62

4-Bromofluorobenzene

Concen: 48.024 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

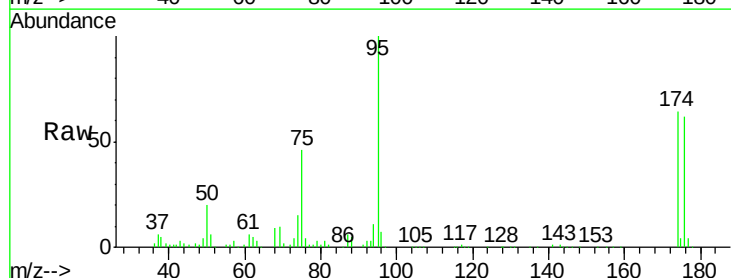
Tgt Ion: 95 Resp: 160446

Ion Ratio Lower Upper

95 100

174 64.2 0.0 130.4

176 62.0 0.0 126.2



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

11.39

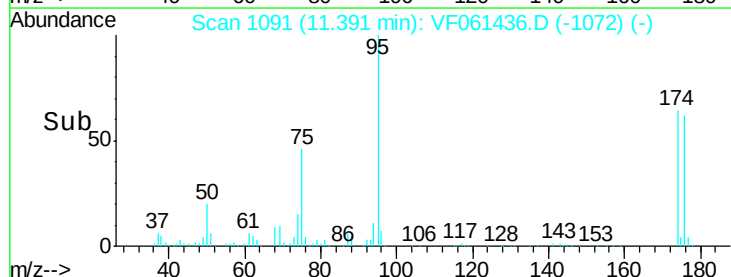
100000

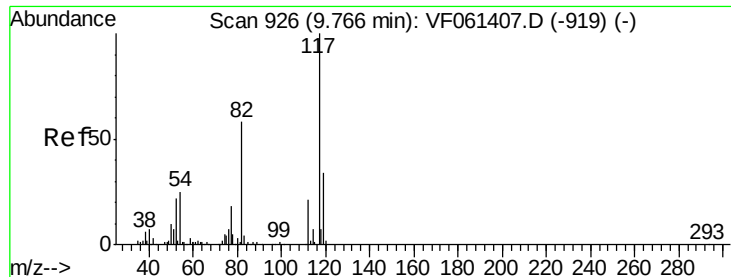
50000

0

Time-->

11.30 11.40 11.50





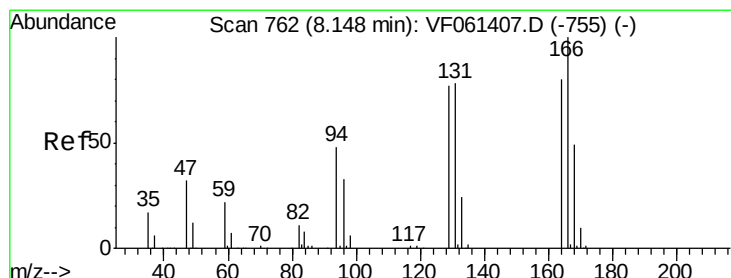
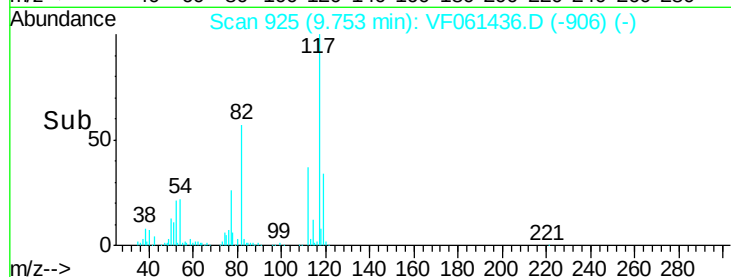
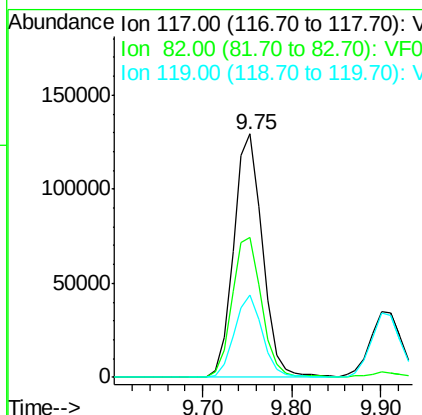
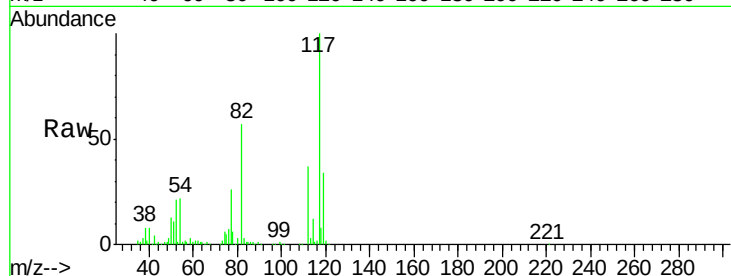
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.4	69.6
119	33.7	27.2	40.8

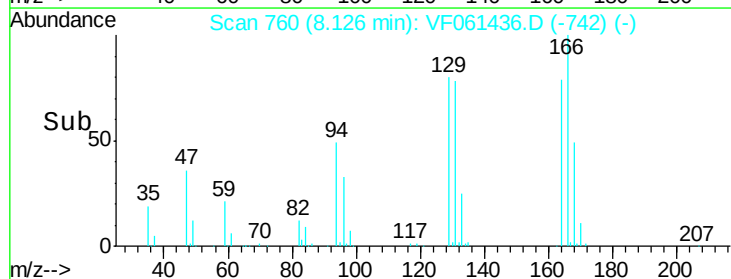
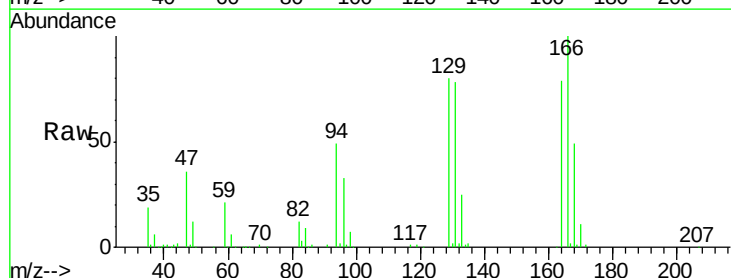
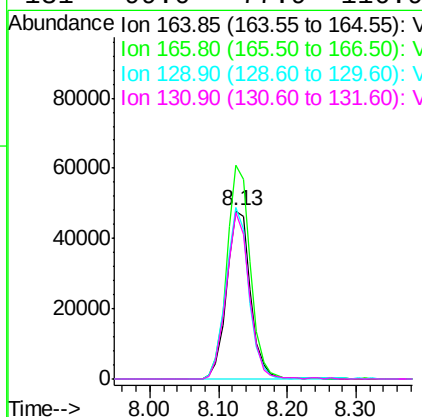
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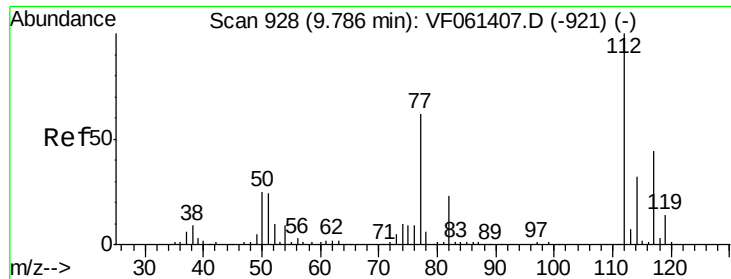
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#64
Tetrachloroethene
Concen: 52.111 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	99.6	149.4
129	102.1	76.4	114.6
131	99.0	77.9	116.9





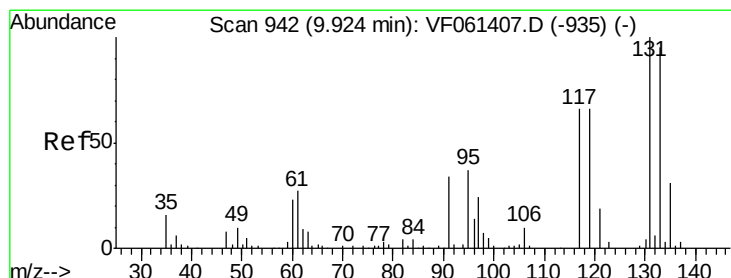
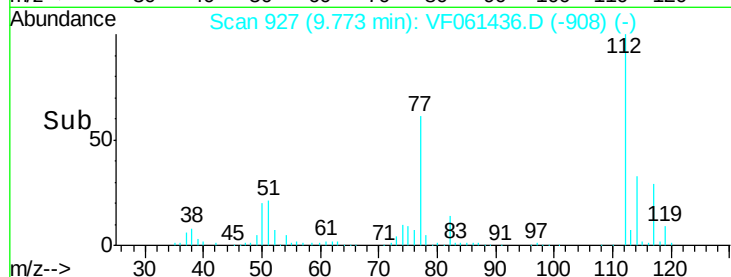
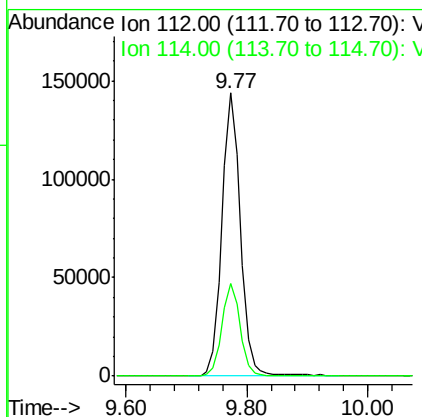
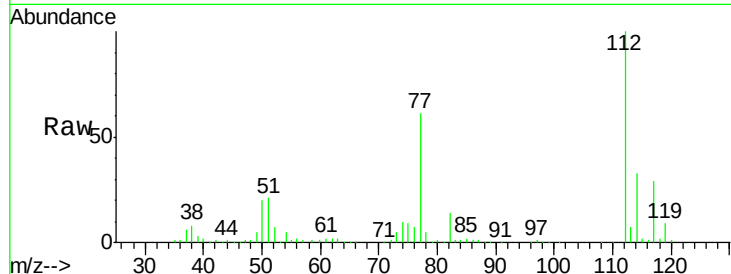
#65
Chlorobenzene
Concen: 51.755 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 307758
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.0

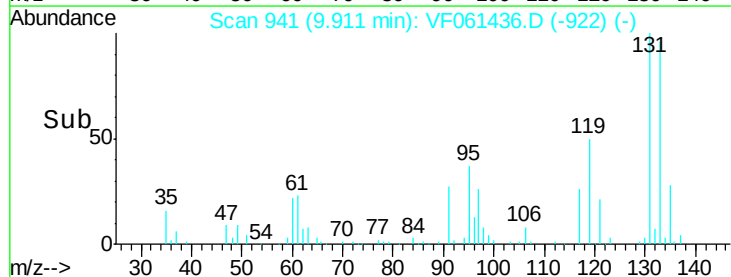
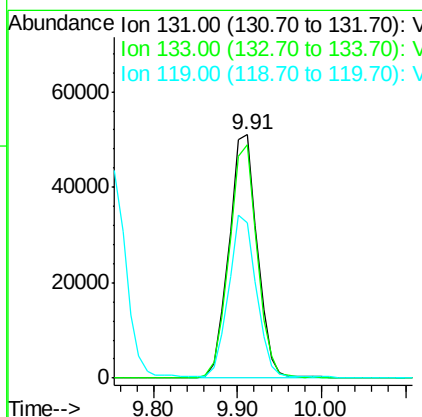
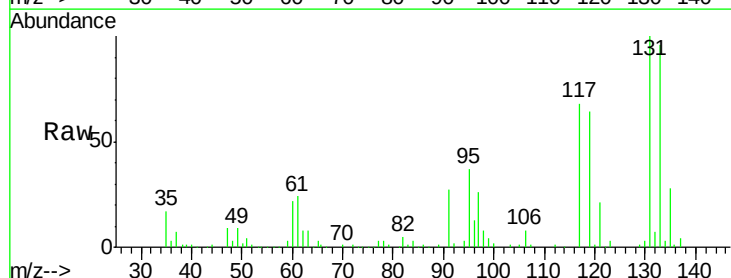
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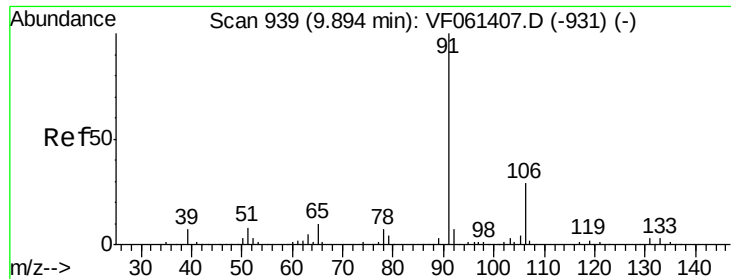
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.645 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion:131 Resp: 119973
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.2
119 64.0 33.1 99.3





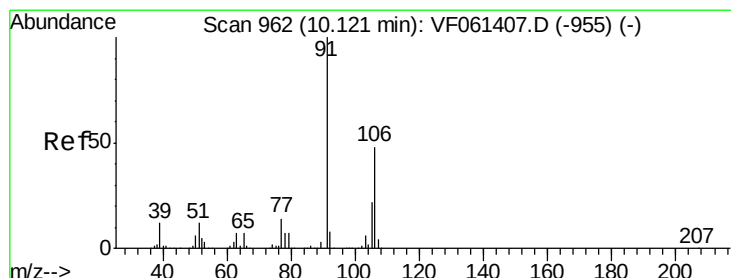
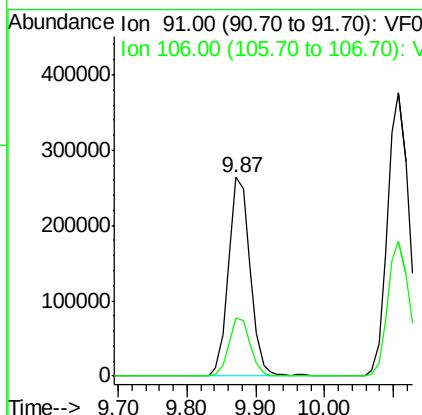
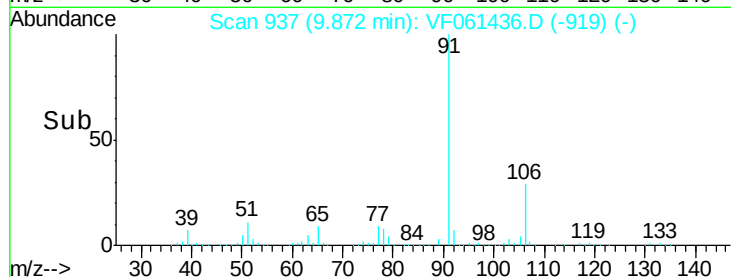
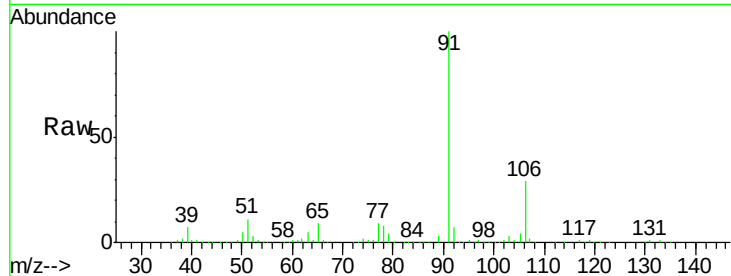
#67
Ethyl Benzene
Concen: 53.216 ug/l
RT: 9.87 min Scan# 937
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 578170
Ion Ratio Lower Upper
91 100
106 29.5 23.1 34.7

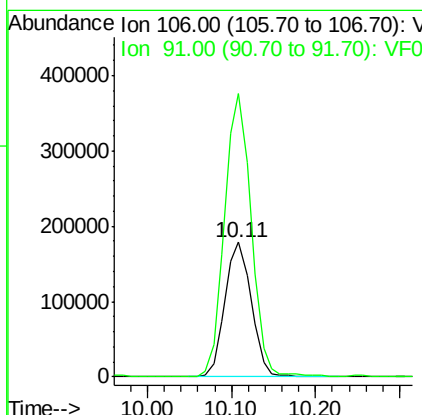
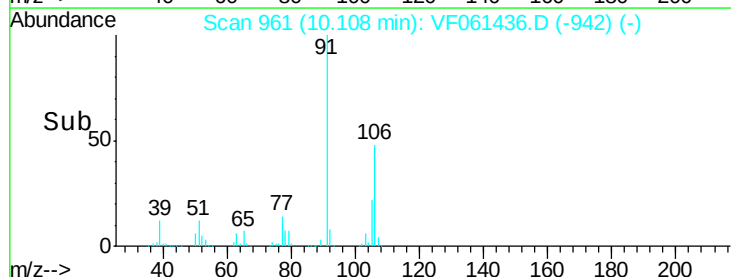
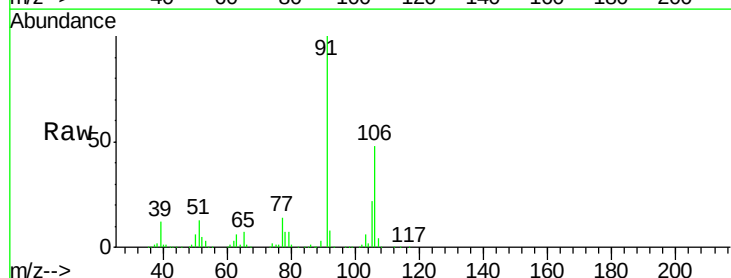
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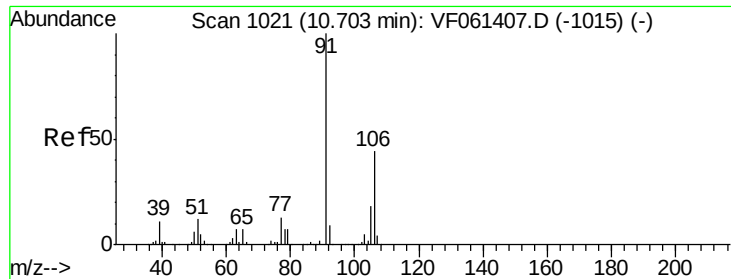
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#68
m/p-Xylenes
Concen: 99.889 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion: 106 Resp: 390330
Ion Ratio Lower Upper
106 100
91 210.3 166.2 249.4





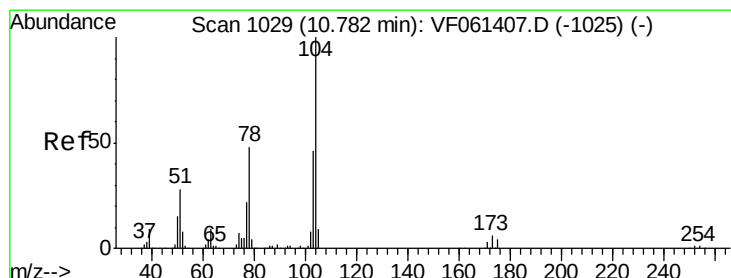
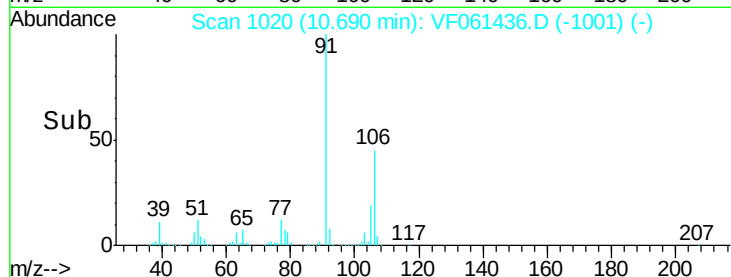
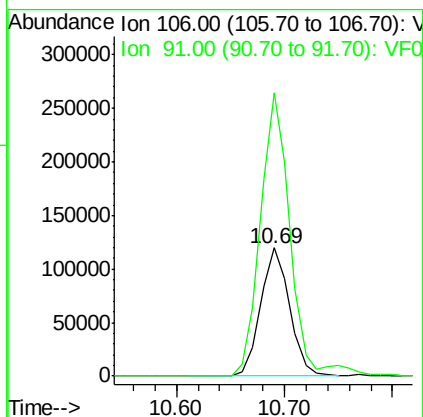
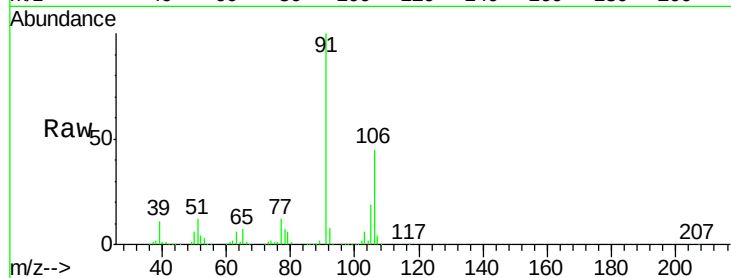
#69
o-Xylene
Concen: 53.187 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.4	113.3	339.8

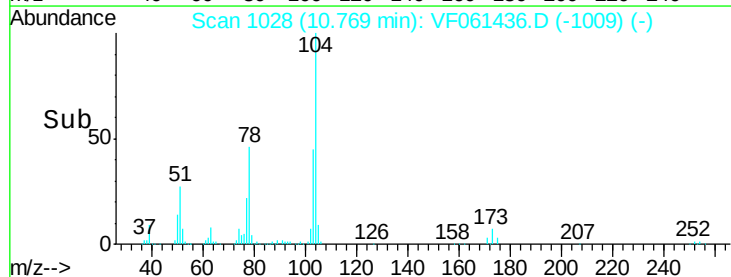
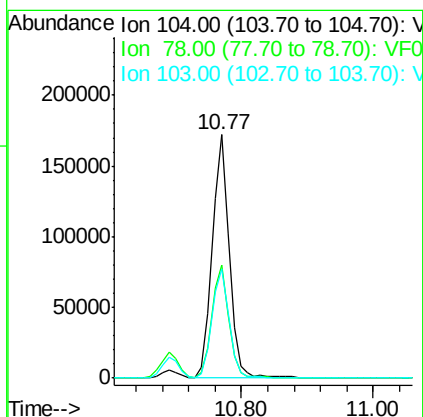
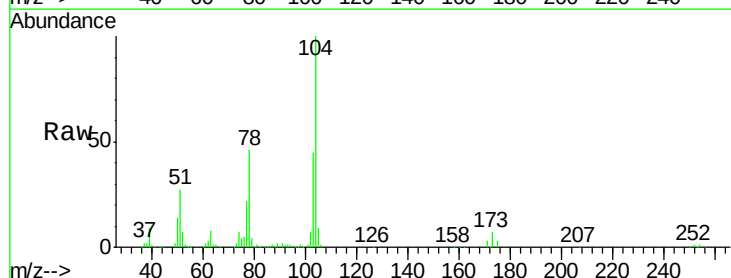
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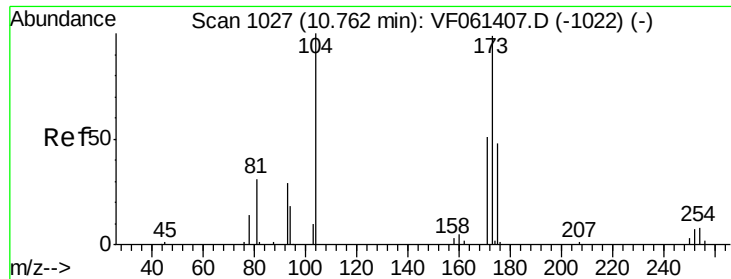
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#70
Styrene
Concen: 51.928 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.5	38.8	58.2
103	44.9	37.0	55.6





#71

Bromoform

Concen: 52.412 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 55785

Ion Ratio Lower Upper

173 100

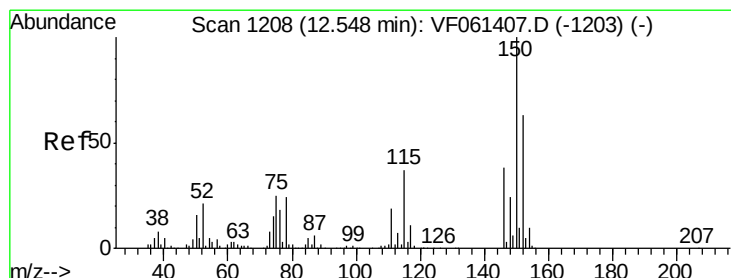
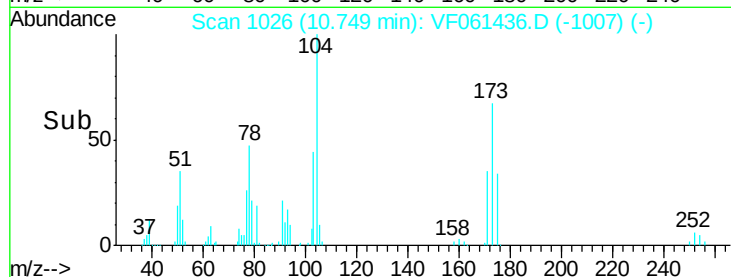
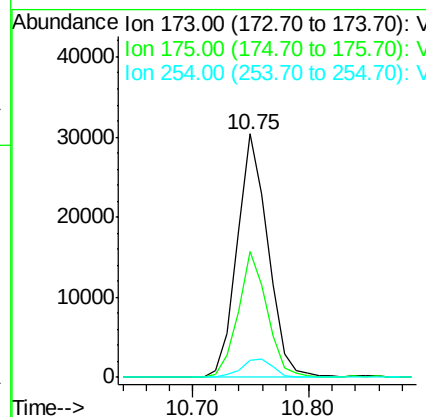
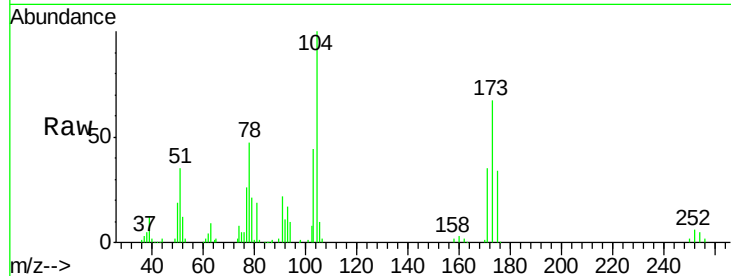
175 52.1 24.1 72.4

254 6.8 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

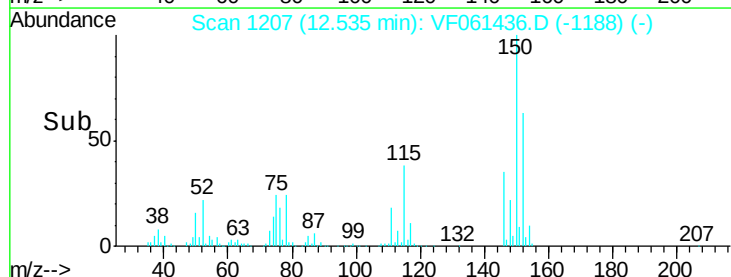
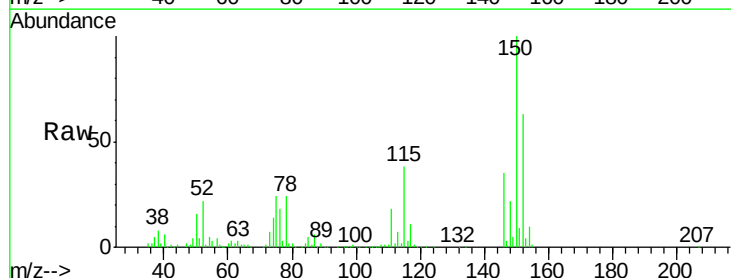
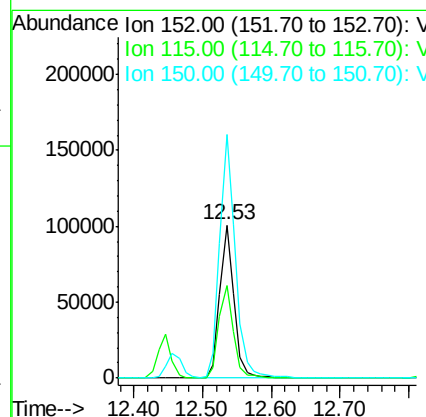
Tgt Ion:152 Resp: 145487

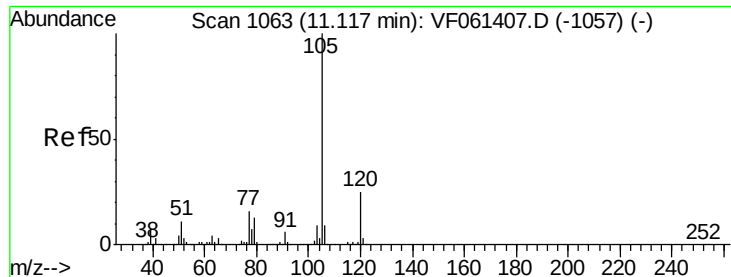
Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

150 158.9 0.0 321.4





#73

Isopropylbenzene

Concen: 54.392 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 643608

Ion Ratio Lower Upper

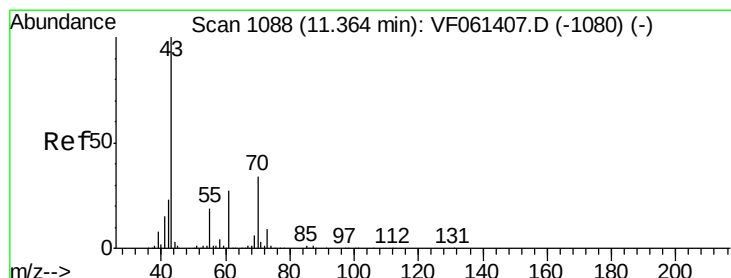
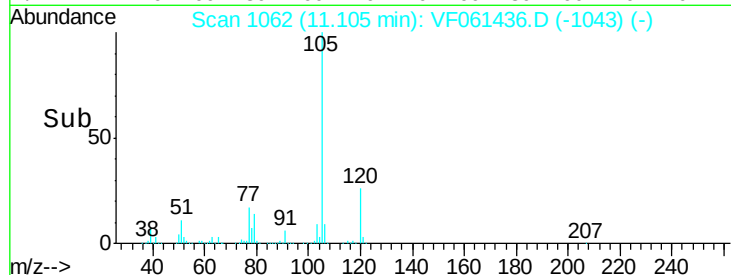
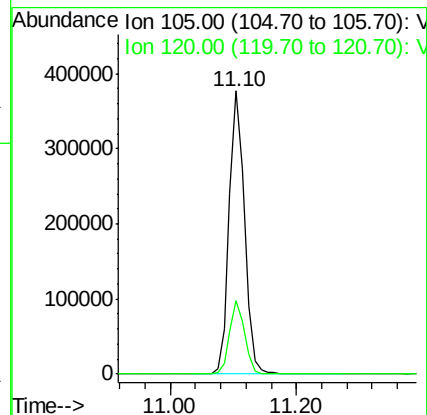
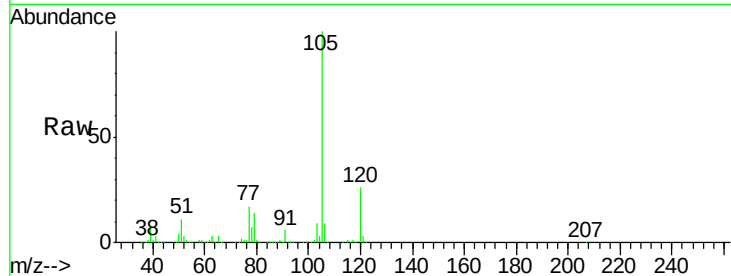
105 100

120 25.7 12.6 37.8

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#74

N-ethyl acetate

Concen: 54.760 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion: 43 Resp: 153220

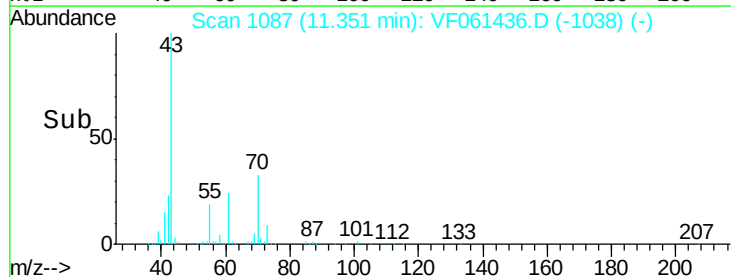
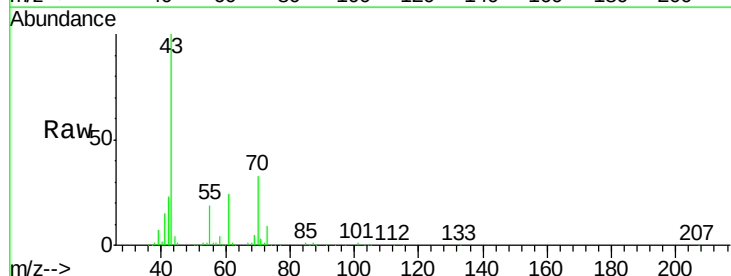
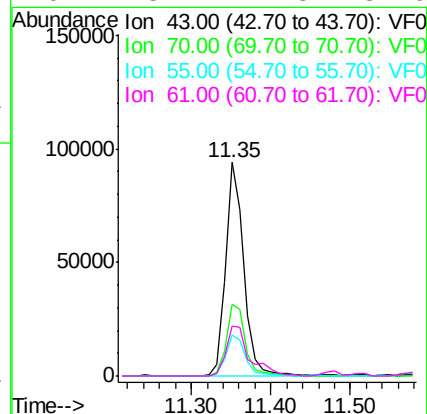
Ion Ratio Lower Upper

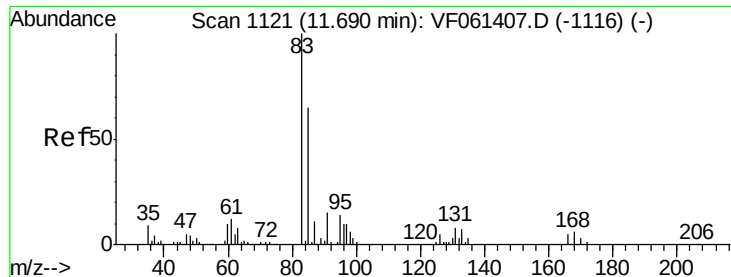
43 100

70 33.4 27.6 41.4

55 19.3 15.4 23.2

61 23.7 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.055 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

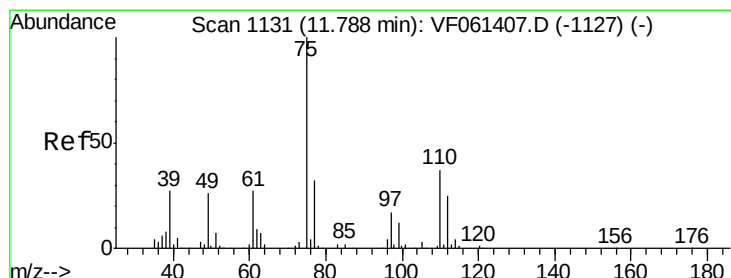
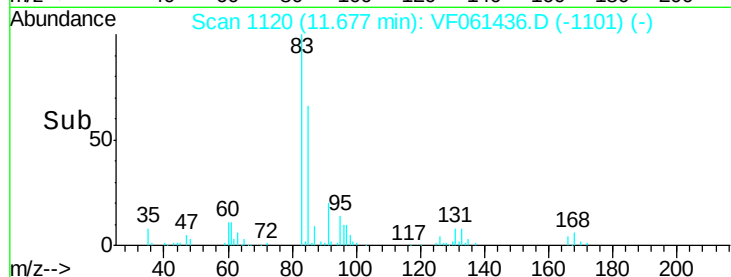
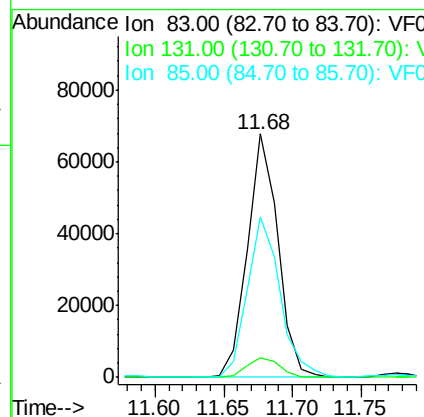
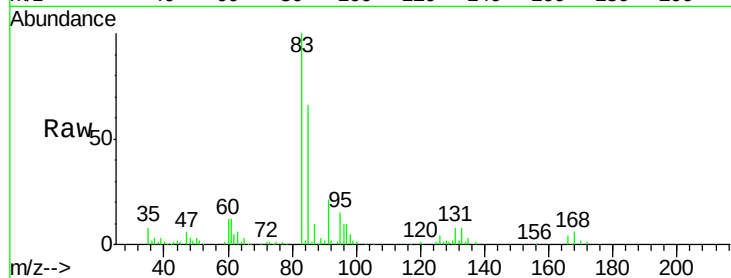
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	105515
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.0	12.2
85	65.6	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 49.610 ug/l

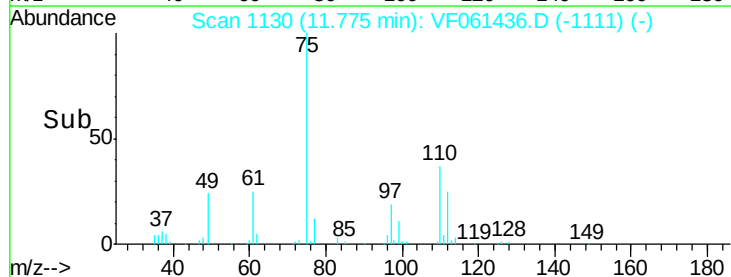
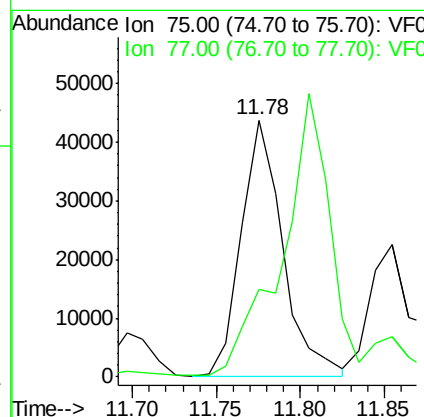
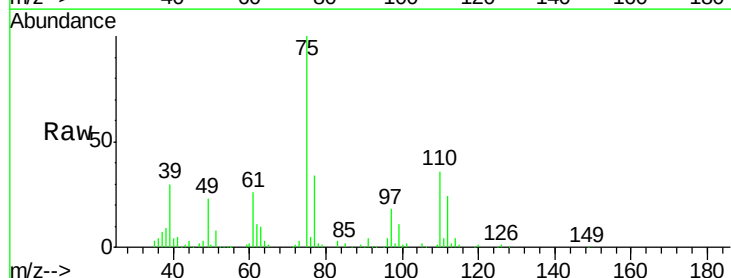
RT: 11.78 min Scan# 1130

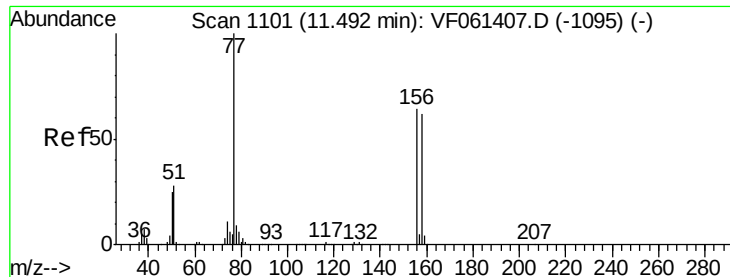
Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion:	75	Resp:	75143
Ion Ratio	Lower	Upper	
75	100		
77	34.2	16.1	48.3





#77

Bromobenzene

Concen: 51.613 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

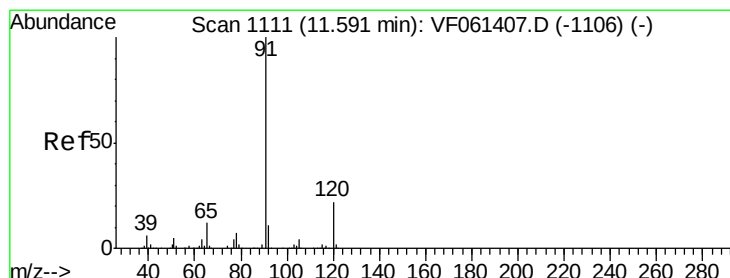
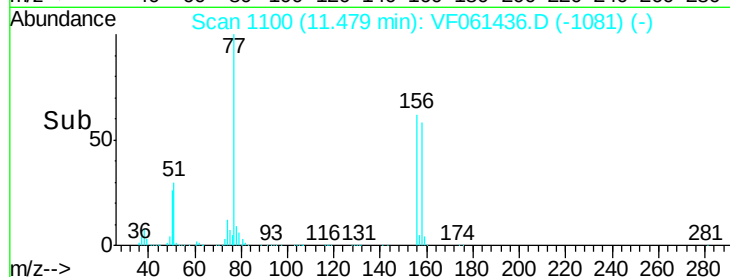
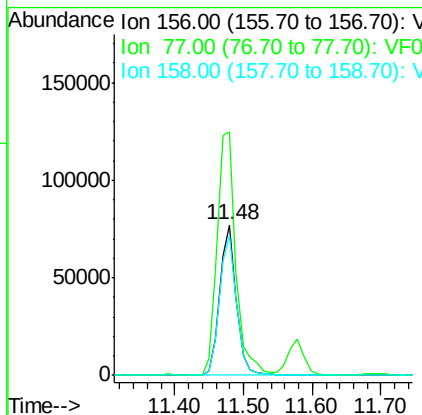
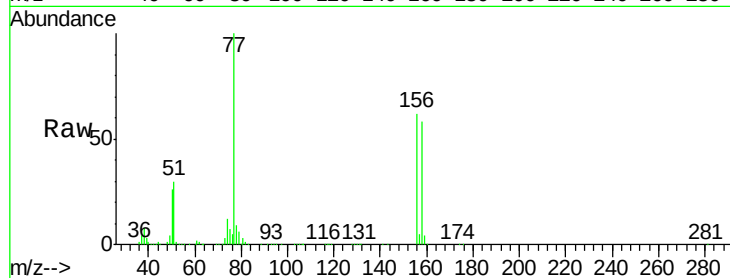
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	128980
Ion Ratio	Lower	Upper	
156	100		
77	162.0	78.3	234.9
158	93.5	48.9	146.7

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#78

n-propylbenzene

Concen: 50.883 ug/l

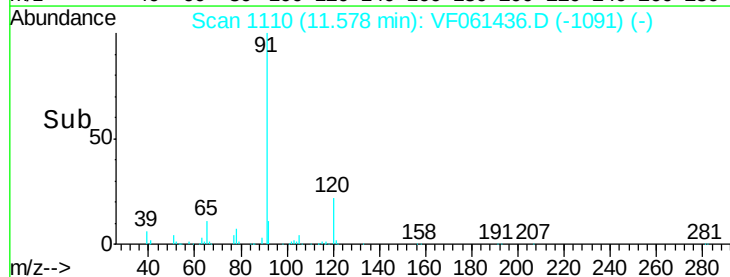
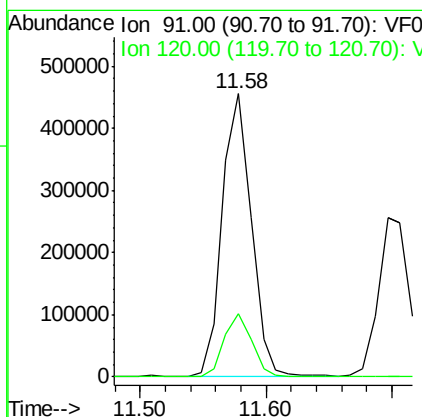
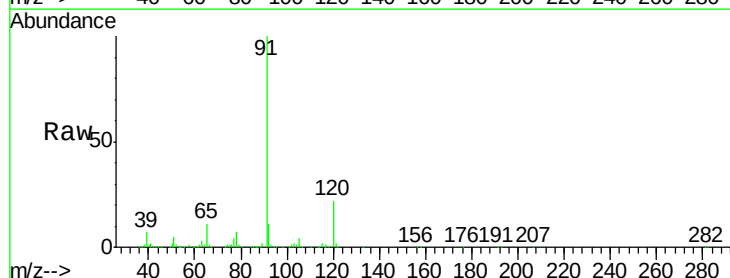
RT: 11.58 min Scan# 1110

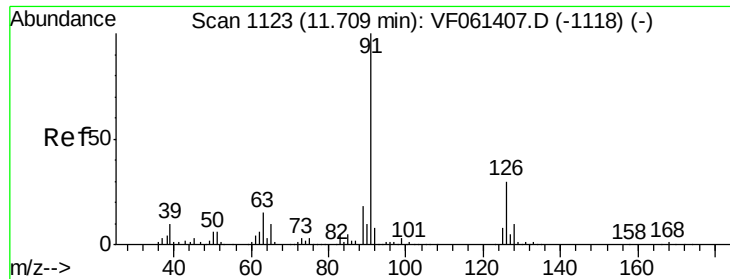
Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion:	91	Resp:	731705
Ion Ratio	Lower	Upper	
91	100		
120	22.1	10.9	32.6





#79

2-Chlorotoluene

Concen: 53.004 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 435160

Ion Ratio Lower Upper

91 100

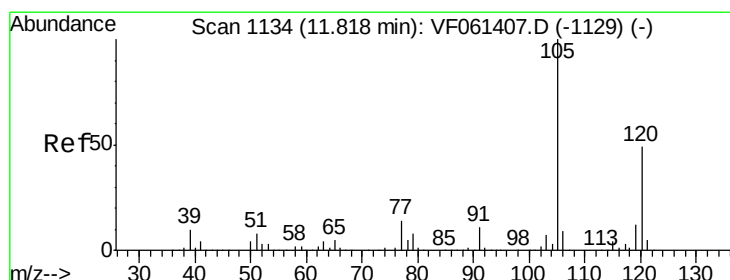
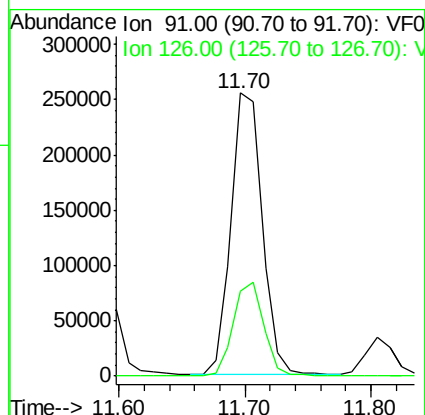
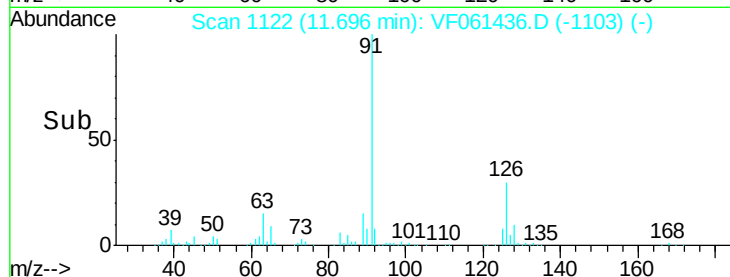
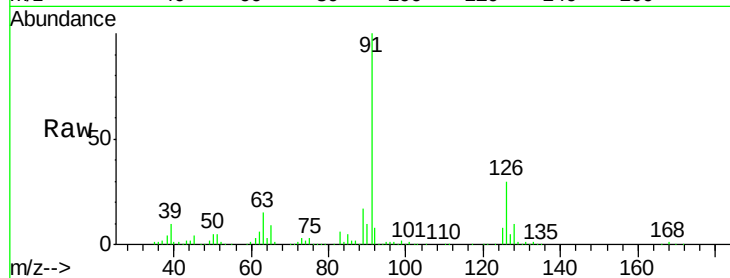
126 29.9 15.0 45.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.377 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF061436.D

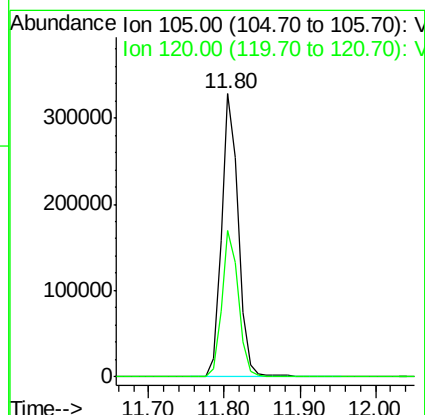
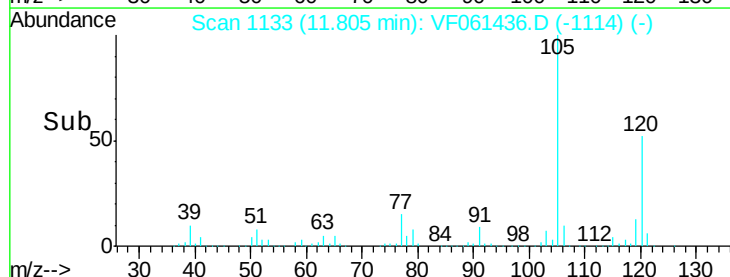
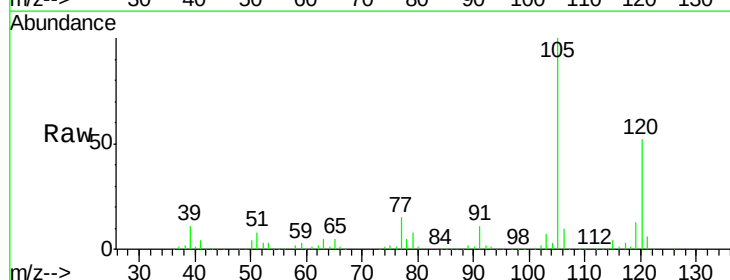
Acq: 17 Jan 2019 10:56

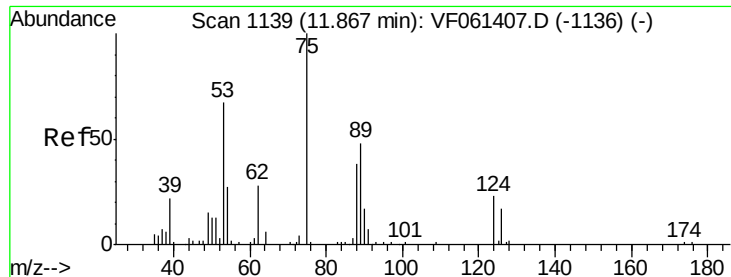
Tgt Ion: 105 Resp: 509709

Ion Ratio Lower Upper

105 100

120 51.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 49.658 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 32697

Ion Ratio Lower Upper

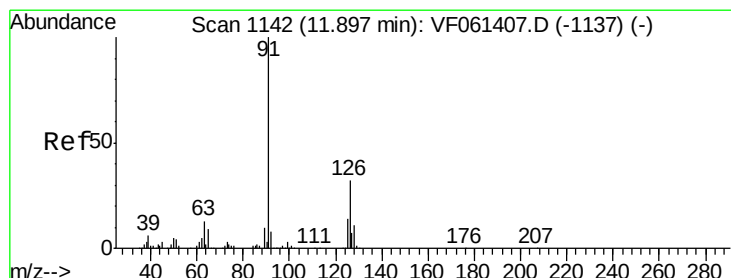
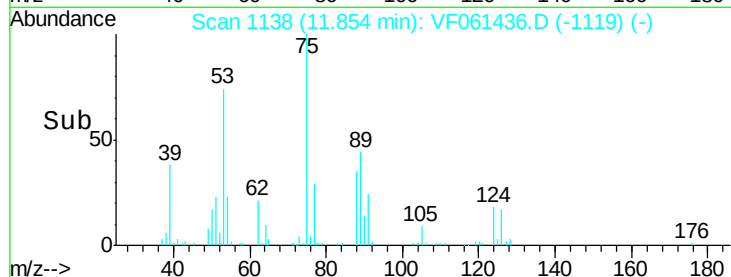
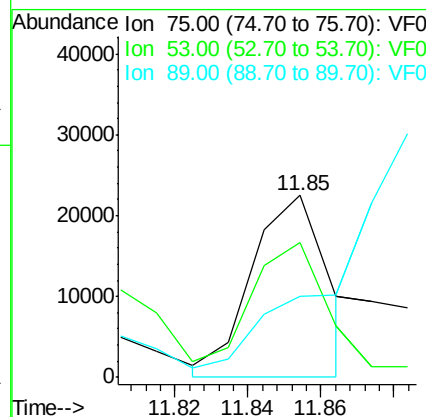
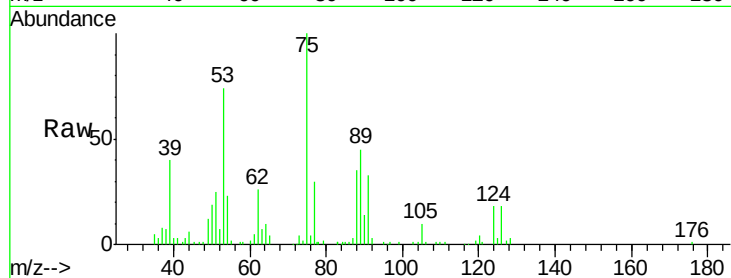
75 100

53 74.3 57.8 86.6

89 44.6 40.7 61.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.617 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061436.D

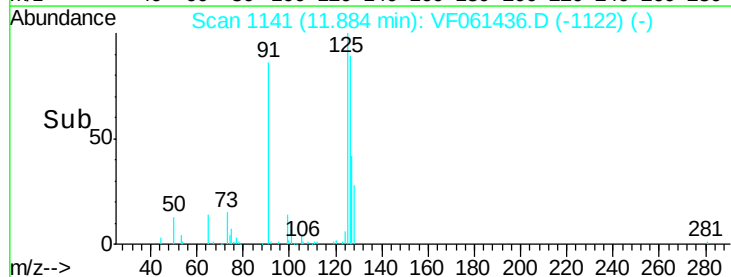
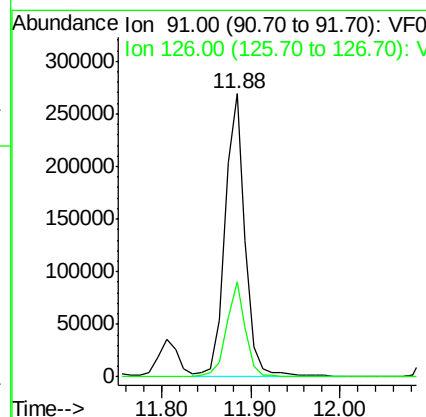
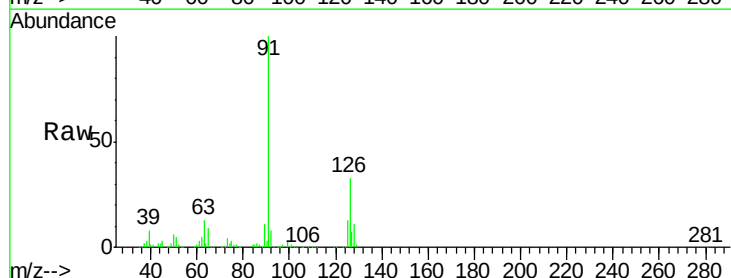
Acq: 17 Jan 2019 10:56

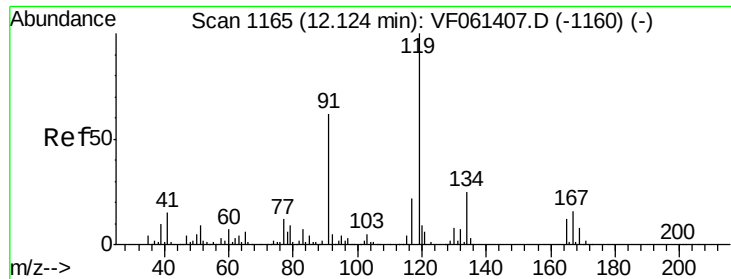
Tgt Ion: 91 Resp: 419350

Ion Ratio Lower Upper

91 100

126 33.4 16.0 47.9





#83

tert-Butylbenzene

Concen: 51.662 ug/l

RT: 12.11 min Scan# 1164

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

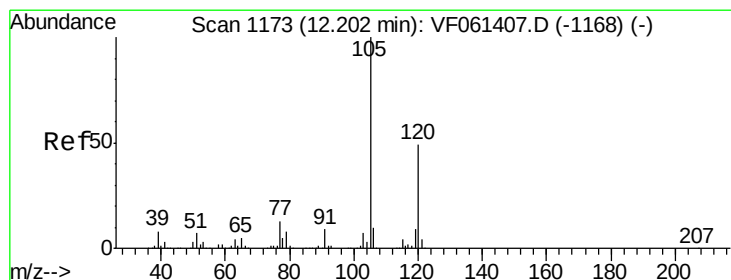
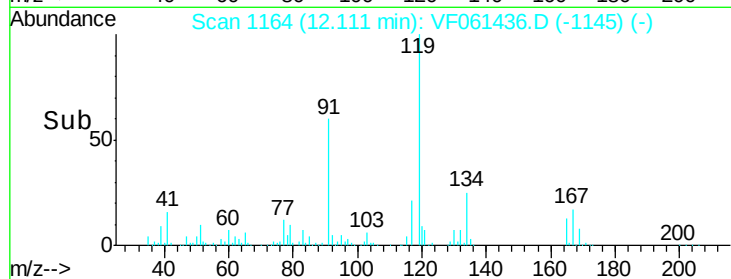
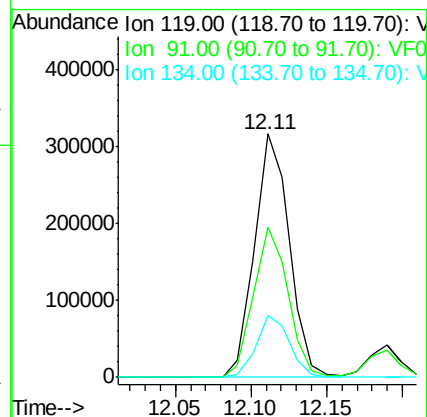
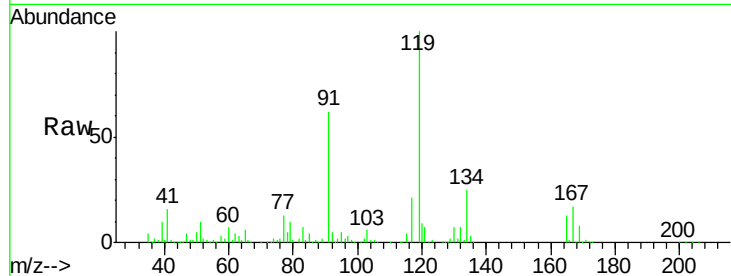
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	510612
Ion Ratio	Lower	Upper	
119	100		
91	61.8	31.3	93.8
134	25.3	12.4	37.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.457 ug/l

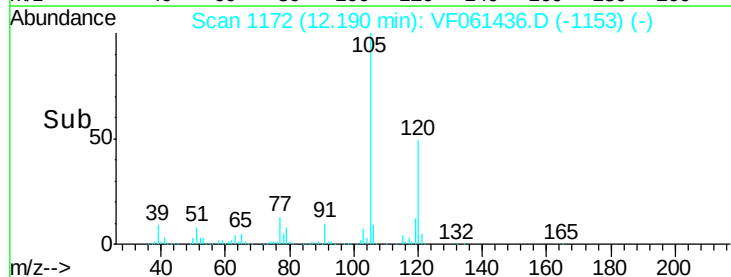
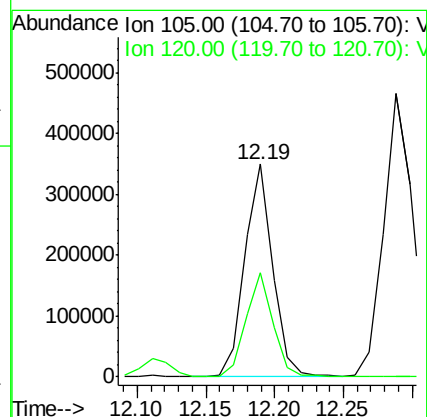
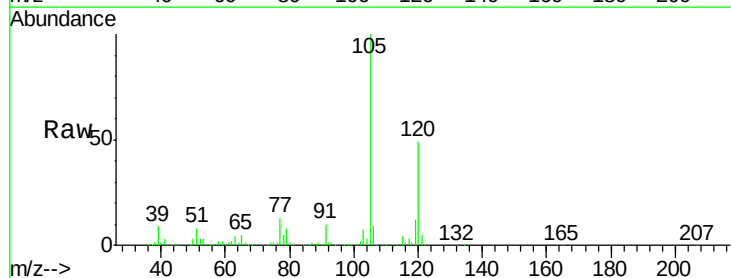
RT: 12.19 min Scan# 1172

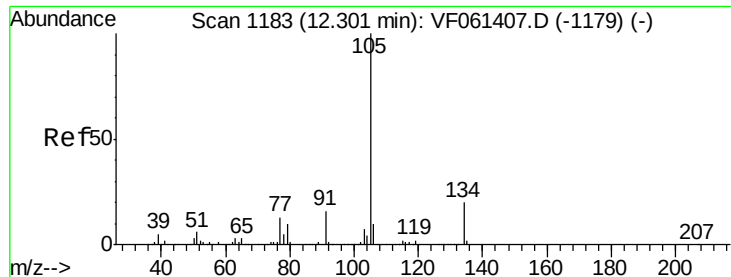
Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion:	105	Resp:	496302
Ion Ratio	Lower	Upper	
105	100		
120	48.8	24.9	74.6





#85

sec-Butylbenzene

Concen: 51.146 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 686490

Ion Ratio Lower Upper

105 100

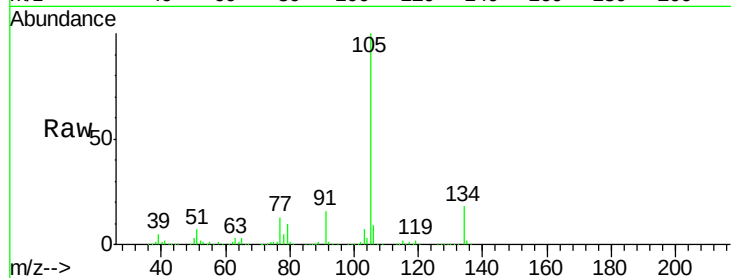
134 18.3 10.0 30.0

Manual Integrations

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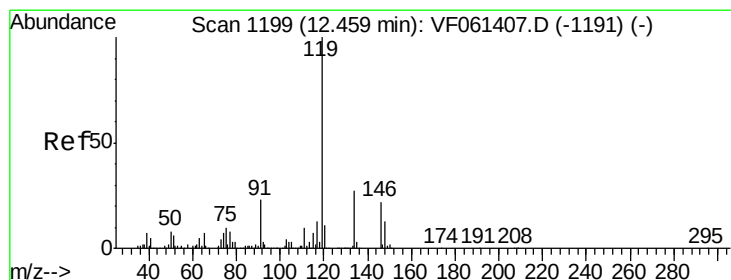
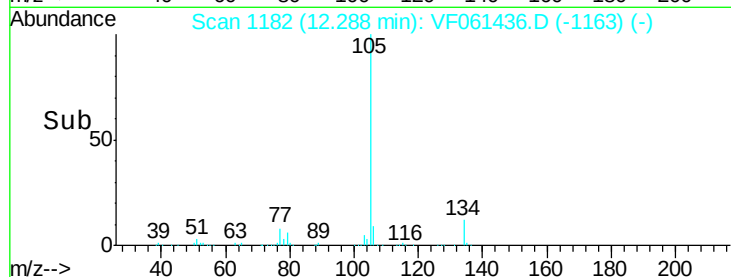
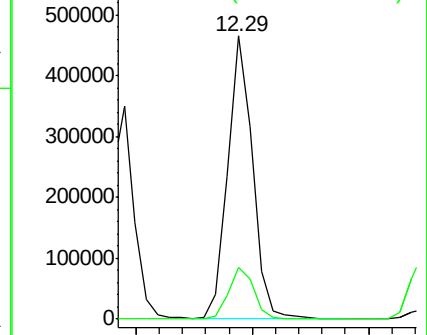
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.026 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

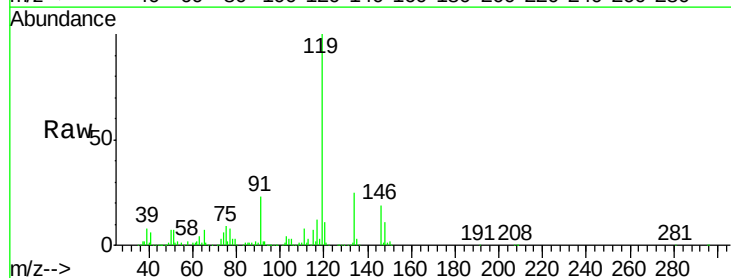
Tgt Ion:119 Resp: 573239

Ion Ratio Lower Upper

119 100

134 25.4 13.4 40.2

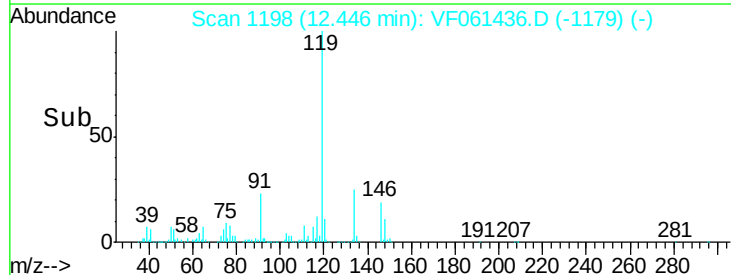
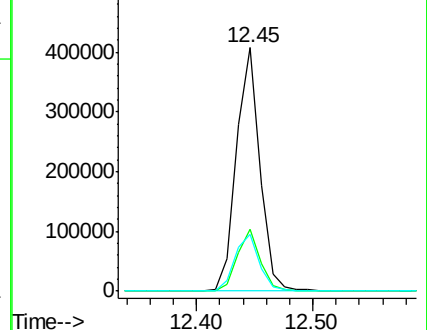
91 23.4 11.4 34.2

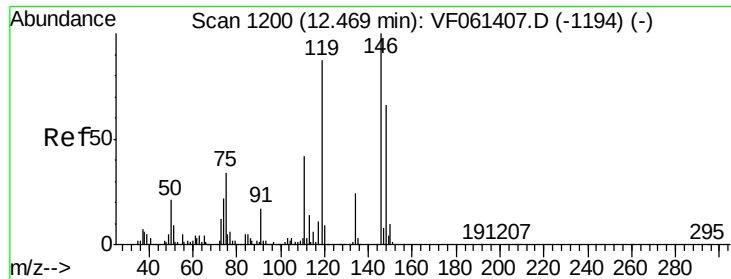


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





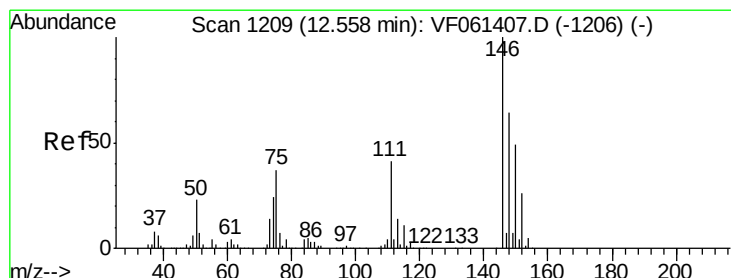
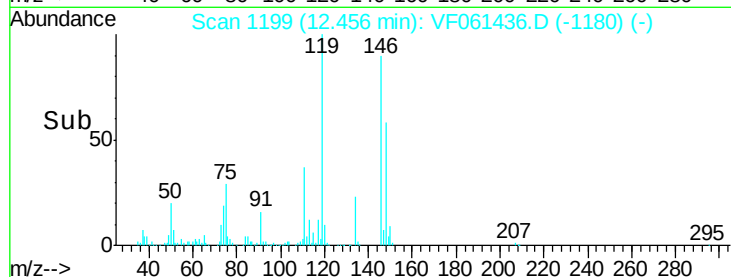
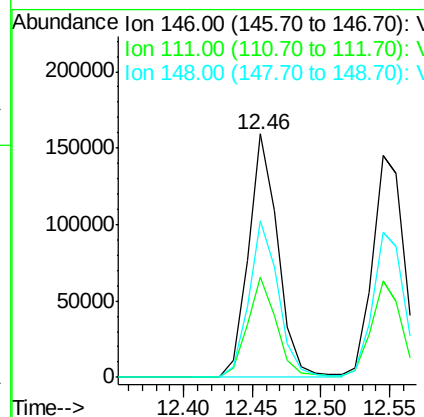
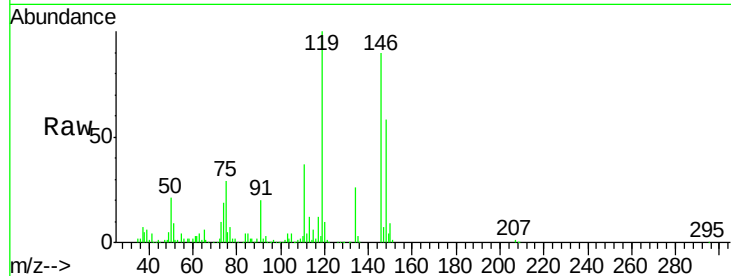
#87
 1,3-Dichlorobenzene
 Concen: 47.878 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.4
148	64.5	32.9	98.6

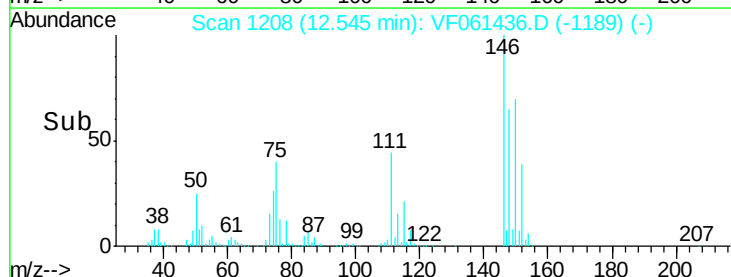
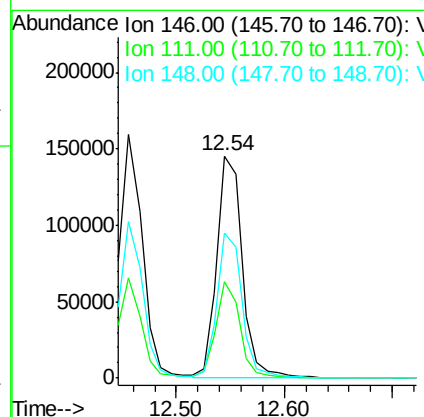
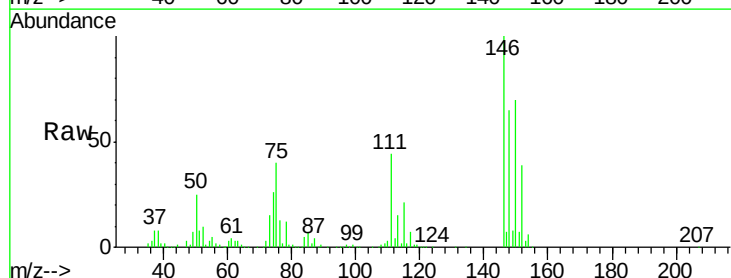
Manual Integrations
 APPROVED

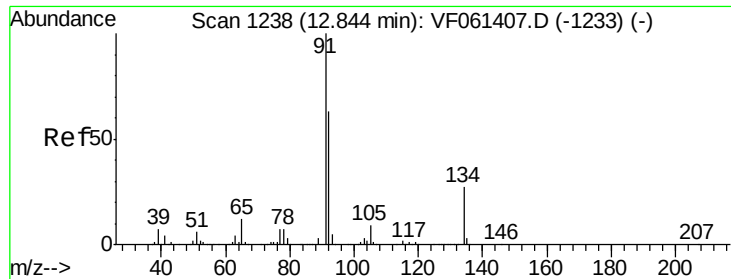
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#88
 1,4-Dichlorobenzene
 Concen: 50.143 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.8	62.2
148	65.2	32.1	96.5





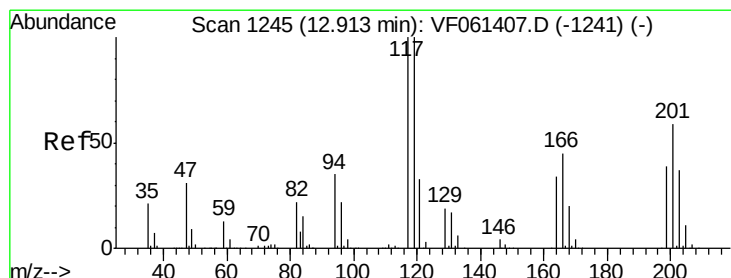
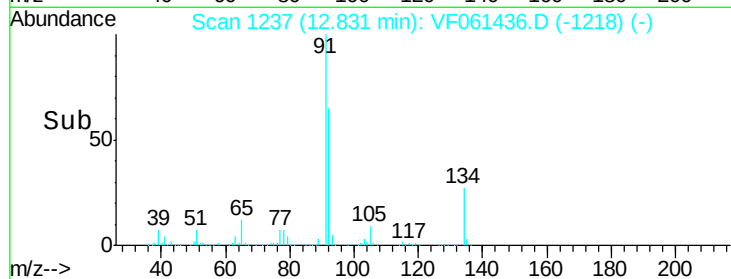
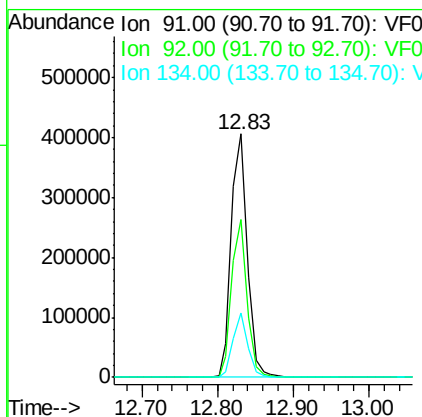
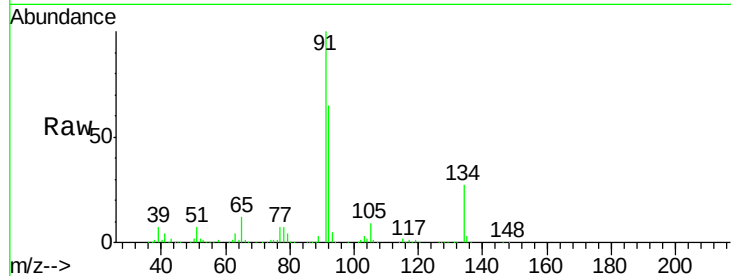
#89
n-Butylbenzene
Concen: 51.974 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	590593		
92	64.6		31.6	94.7
134	26.6		13.6	40.8

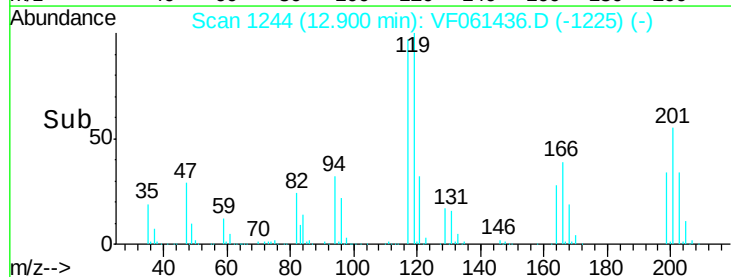
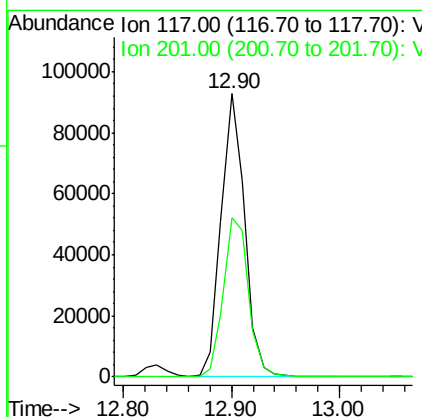
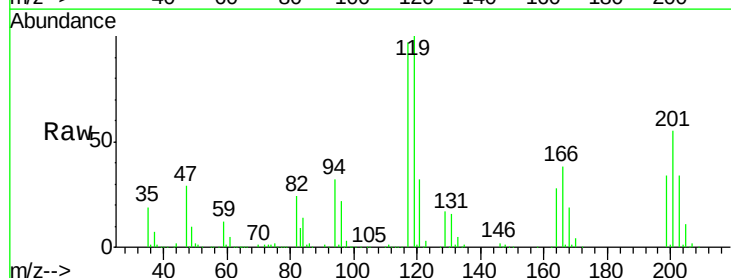
Manual Integrations
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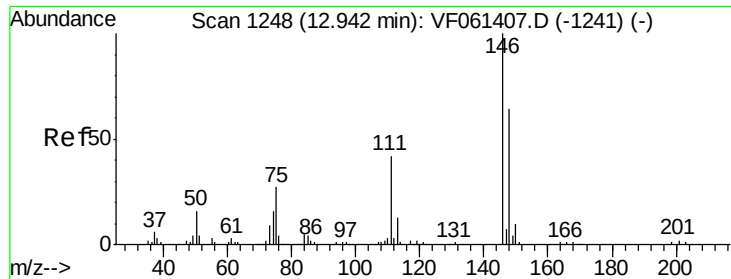
MMDadoda
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#90
Hexachloroethane
Concen: 54.069 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	140431		
201	56.4		29.3	87.8





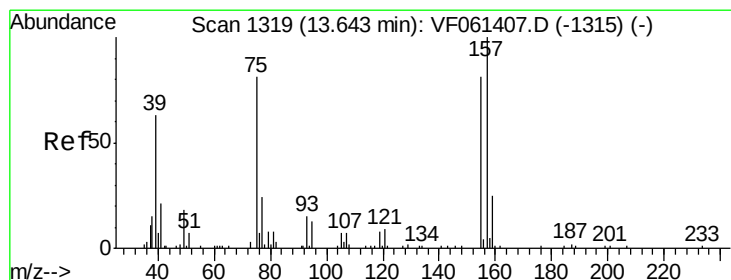
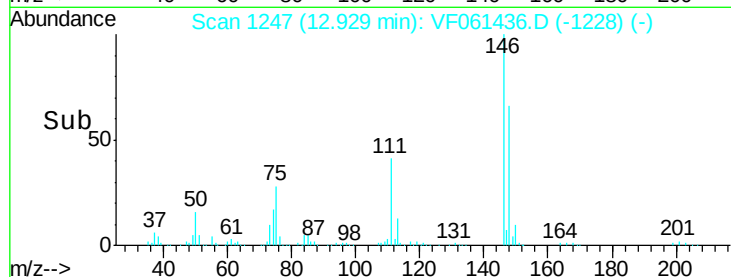
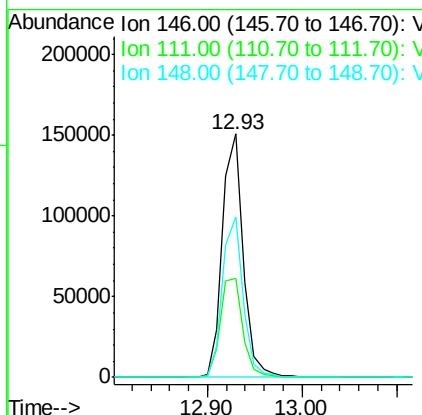
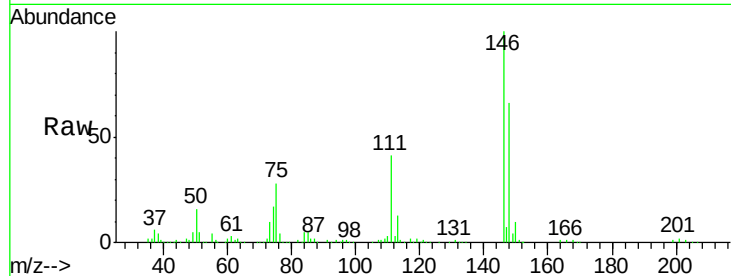
#91
 1,2-Dichlorobenzene
 Concen: 49.485 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.1	63.3
148	66.1	31.9	95.7

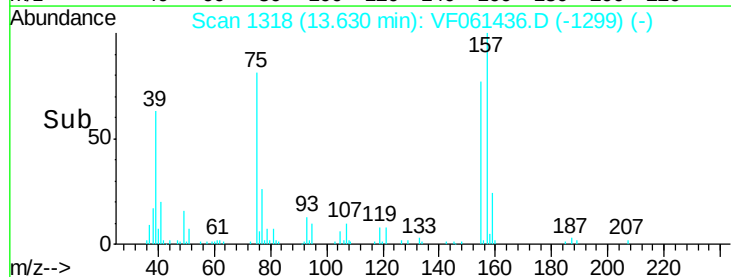
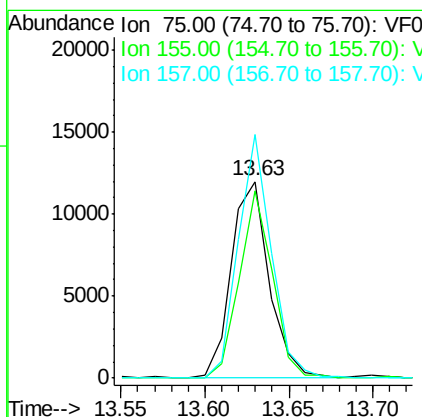
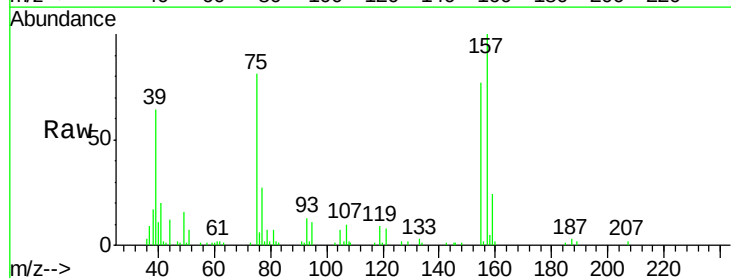
Manual Integrations
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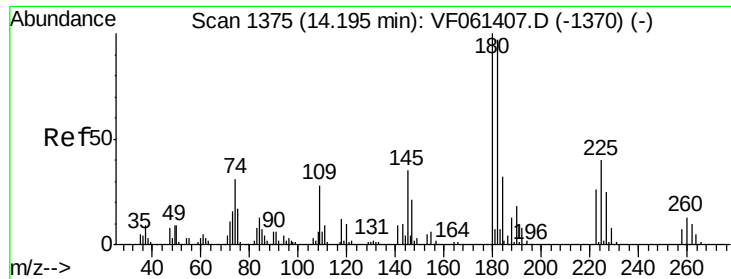
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 1/18/2019 3:41:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.197 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.1	49.7	149.1
157	123.8	61.4	184.1





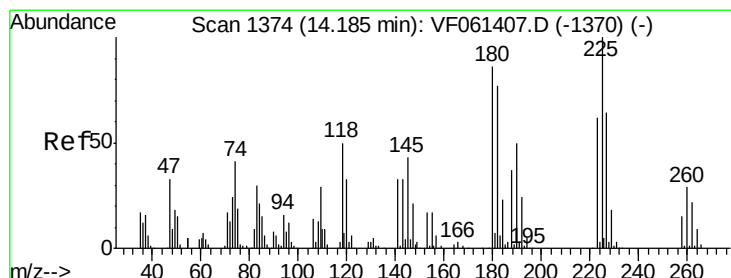
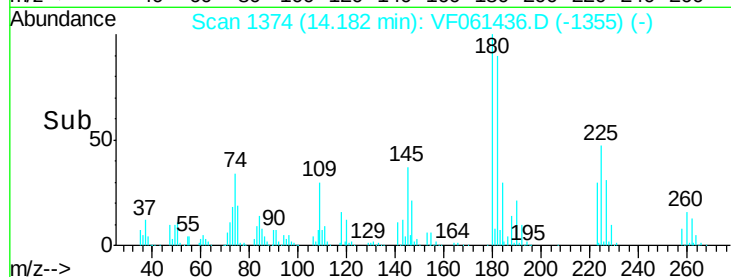
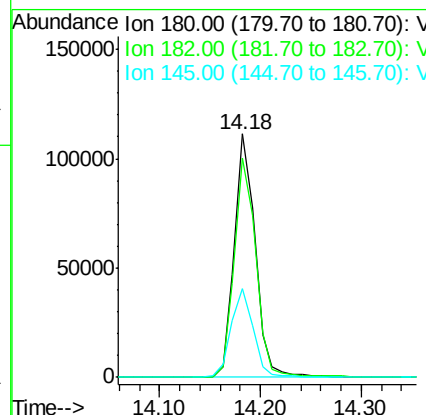
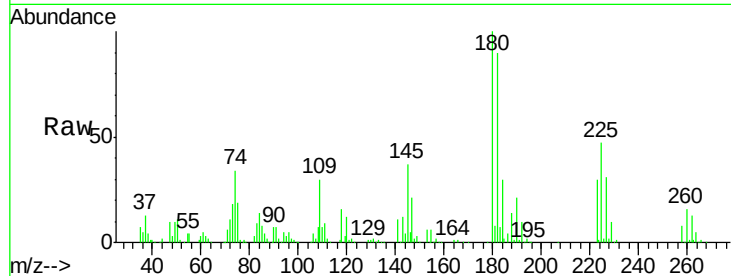
#93
 1,2,4-Trichlorobenzene
 Concen: 49.246 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	161269		
182	90.2	48.5	145.6	
145	36.7	17.5	52.6	

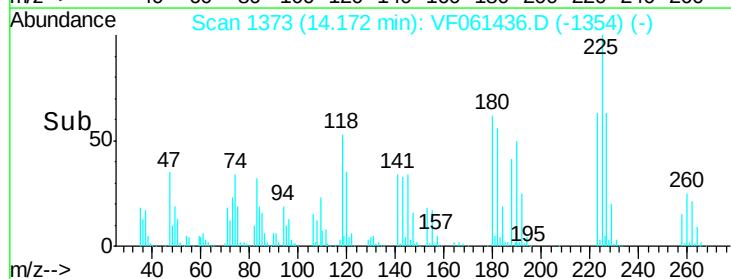
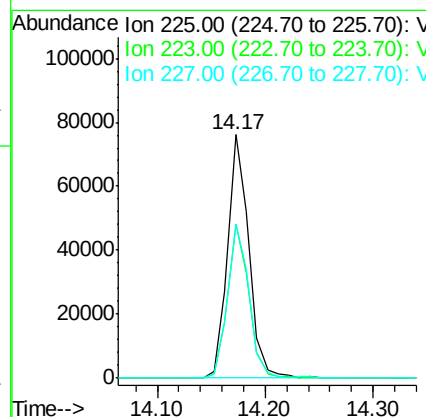
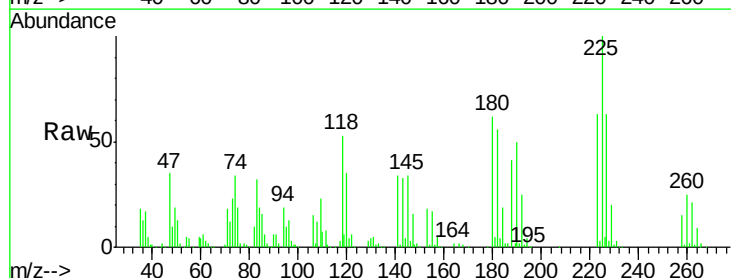
Manual Integrations
 APPROVED

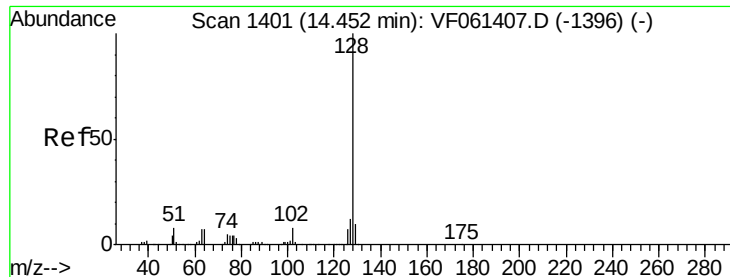
MMDadoda
 1/18/2019 3:41:50 PM



#94
 Hexachlorobutadiene
 Concen: 51.111 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	103861		
223	63.3	31.1	93.2	
227	63.4	32.2	96.6	





#95

Naphthalene

Concen: 49.767 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

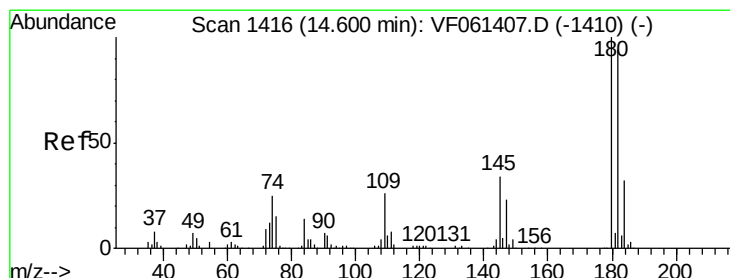
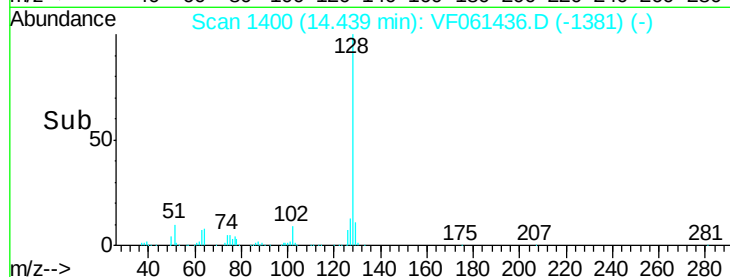
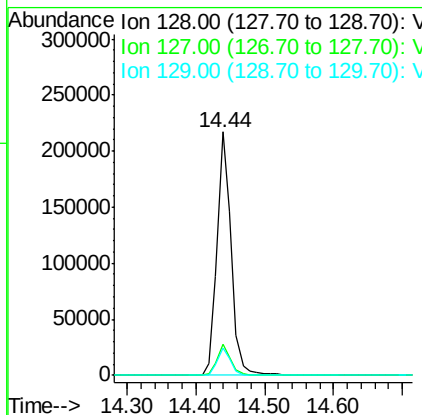
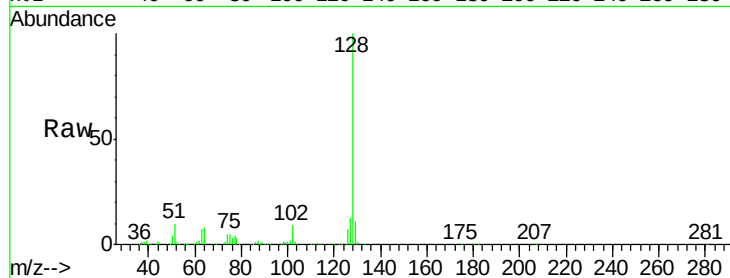
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	309639
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.5	14.3
129	11.1	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/18/2019 3:41:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.722 ug/l

RT: 14.59 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion:	180	Resp:	150731
Ion Ratio	Lower	Upper	
180	100		
182	91.8	47.0	141.2
145	33.0	17.1	51.2

