

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061293.D
 Acq On : 9 Jan 2019 11:07
 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
 1/10/2019 2:02:32 PM

Quant Time: Jan 10 06:29:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	171261	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	302972	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	279052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	140418	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	101312	53.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.30%	
35) Dibromofluoromethane	4.13	113	116807	50.39	ug/l	0.02
Spiked Amount 50.000			Recovery	=	100.78%	
50) Toluene-d8	7.57	98	360281	52.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.04%	
62) 4-Bromofluorobenzene	11.42	95	156269	52.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	176947	56.012	ug/l	100
3) Chloromethane	1.08	50	155832	55.356	ug/l	99
4) Vinyl Chloride	1.13	62	139514	55.489	ug/l	97
5) Bromomethane	1.30	94	100963	52.173	ug/l	90
6) Chloroethane	1.37	64	66781	54.391	ug/l	89
7) Trichlorofluoromethane	1.46	101	239853	56.273	ug/l	92
8) Diethyl Ether	1.64	74	33780	53.971	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.81	101	124919	55.505	ug/l	96
10) Methyl Iodide	1.85	142	202764	57.506	ug/l	96
11) Tert butyl alcohol	2.57	59	20627	270.262	ug/l #	88
12) 1,1-Dichloroethene	1.76	96	104293	57.951	ug/l	89
13) Acrolein	2.01	56	21675	262.193	ug/l	92
14) Allyl chloride	2.11	41	185768	56.472	ug/l	96
15) Acrylonitrile	2.95	53	76732	283.604	ug/l	93
16) Acetone	2.25	43	143034	322.557	ug/l	93
17) Carbon Disulfide	1.77	76	339868	57.175	ug/l	100
18) Methyl Acetate	2.36	43	52084m	59.699	ug/l	
19) Methyl tert-butyl Ether	2.44	73	186924	54.505	ug/l	99
20) Methylene Chloride	2.19	84	102649	54.717	ug/l	96
21) trans-1,2-Dichloroethene	2.32	96	111571	58.504	ug/l	96
22) Diisopropyl ether	2.81	45	364579	57.287	ug/l	99
23) Vinyl Acetate	3.20	43	550480	295.771	ug/l	99
24) 1,1-Dichloroethane	2.89	63	214049	58.144	ug/l	100
25) 2-Butanone	4.35	43	209359	293.340	ug/l	98
26) 2,2-Dichloropropane	3.62	77	148509	60.369	ug/l	96
27) cis-1,2-Dichloroethene	3.49	96	153114	57.506	ug/l	96
28) Bromochloromethane	3.74	49	95049	58.559	ug/l #	98
29) Tetrahydrofuran	4.09	42	80139	268.556	ug/l	96
30) Chloroform	3.88	83	258277	55.267	ug/l	96
31) Cyclohexane	3.72	56	227561	58.922	ug/l	97
32) 1,1,1-Trichloroethane	4.12	97	219198	58.070	ug/l	98
36) 1,1-Dichloropropene	4.30	75	196221	55.461	ug/l	99
37) Ethyl Acetate	4.12	43	69718	54.112	ug/l	92
38) Carbon Tetrachloride	4.01	117	207810	62.017	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	240101	54.237	ug/l	95
40) Benzene	4.65	78	447552	54.183	ug/l	98
41) Methacrylonitrile	4.76	41	39592	55.028	ug/l	96
42) 1,2-Dichloroethane	4.96	62	132241	51.423	ug/l	99
43) Isopropyl Acetate	6.97	43	97129	57.101	ug/l	99
44) Trichloroethene	5.52	130	131759	54.506	ug/l	95
45) 1,2-Dichloropropane	6.25	63	123547	58.818	ug/l	100
46) Dibromomethane	6.10	93	73398	56.912	ug/l	96
47) Bromodichloromethane	6.40	83	181950	56.727	ug/l	97
48) Methyl methacrylate	6.74	41	62026	56.178	ug/l	91
49) 1,4-Dioxane	6.72	88	7003	1005.206	ug/l #	87
51) 4-Methyl-2-Pentanone	8.27	43	348221	271.220	ug/l	99
52) Toluene	7.64	92	303619	57.188	ug/l	97
53) t-1,3-Dichloropropene	8.29	75	139315	55.308	ug/l	100
54) cis-1,3-Dichloropropene	7.32	75	196926	58.963	ug/l	95
55) 1,1,2-Trichloroethane	8.51	97	82378	55.449	ug/l	99
56) Ethyl methacrylate	8.63	69	95599	57.575	ug/l	96
57) 1,3-Dichloropropane	8.87	76	143923	54.739	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.32	63	16845	238.063	ug/l #	87
59) 2-Hexanone	9.51	43	249658	274.475	ug/l	100
60) Dibromochloromethane	8.73	129	117525	59.408	ug/l	97
61) 1,2-Dibromoethane	9.00	107	80544	53.185	ug/l	99
64) Tetrachloroethene	8.17	164	116141	57.163	ug/l	98
65) Chlorobenzene	9.81	112	318313	56.488	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	126292	54.926	ug/l	97
67) Ethyl Benzene	9.91	91	582460	53.609	ug/l	98
68) m/p-Xylenes	10.15	106	429306	113.277	ug/l	92
69) o-Xylene	10.73	106	236841	55.944	ug/l	97
70) Styrene	10.80	104	310215	55.004	ug/l	99
71) Bromoform	10.79	173	55246	58.792	ug/l #	92
73) Isopropylbenzene	11.14	105	690379	55.874	ug/l	99
74) N-amyl acetate	11.38	43	159179	56.673	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.71	83	103172	52.662	ug/l	97
76) 1,2,3-Trichloropropane	11.81	75	78351	54.528	ug/l	97
77) Bromobenzene	11.51	156	137505	55.939	ug/l	96
78) n-propylbenzene	11.61	91	782177	53.093	ug/l	98
79) 2-Chlorotoluene	11.73	91	446082	54.348	ug/l	93
80) 1,3,5-Trimethylbenzene	11.84	105	550443	55.986	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	32071m	51.075	ug/l	
82) 4-Chlorotoluene	11.91	91	445662	53.435	ug/l	100
83) tert-Butylbenzene	12.14	119	508189	51.881	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	521546	53.430	ug/l	100
85) sec-Butylbenzene	12.32	105	730551	52.379	ug/l	99
86) p-Isopropyltoluene	12.47	119	607839	53.581	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	256039	53.336	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	259993	56.336	ug/l	97
89) n-Butylbenzene	12.85	91	626921	53.785	ug/l	98
90) Hexachloroethane	12.93	117	146430	56.428	ug/l	93
91) 1,2-Dichlorobenzene	12.95	146	240444	52.476	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	17400	52.565	ug/l	78

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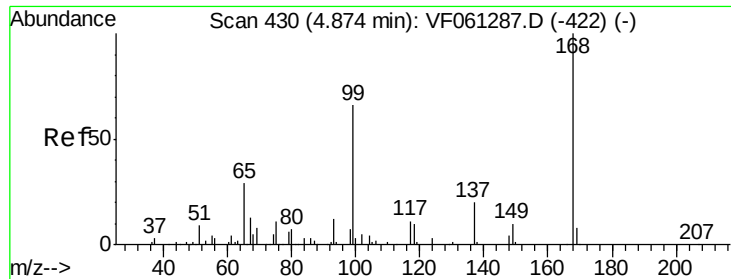
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	178149	56.500	ug/l	96
94) Hexachlorobutadiene	14.20	225	113896	56.110	ug/l	99
95) Naphthalene	14.47	128	337639	56.822	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	164769	55.475	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 171261

Ion Ratio Lower Upper

168 100

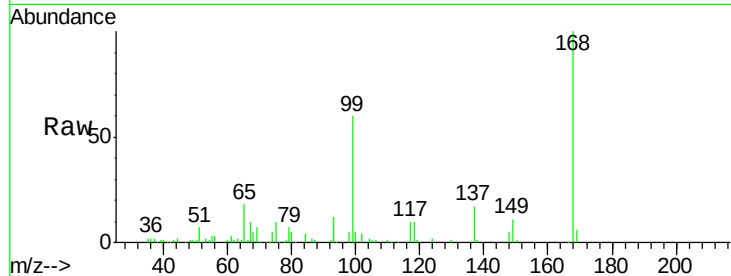
99 59.9 52.7 79.1

Manual Integrations

APPROVED

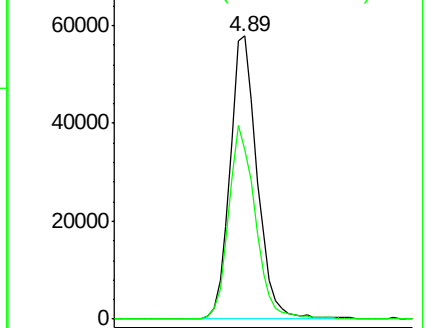
MMDadoda

1/10/2019 2:02:32 PM

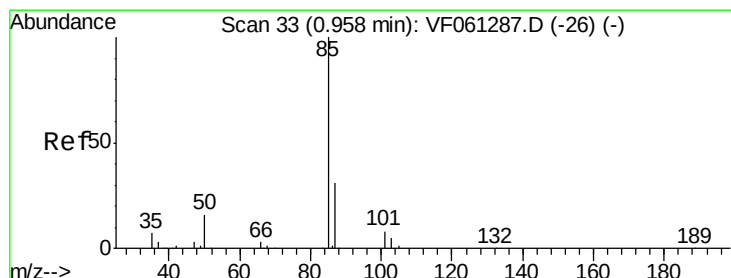
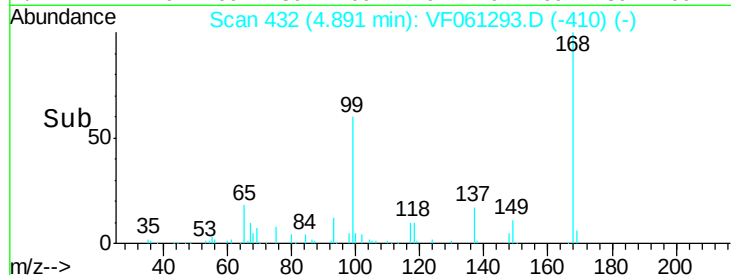


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



Time-->



#2

Dichlorodifluoromethane

Concen: 56.012 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061293.D

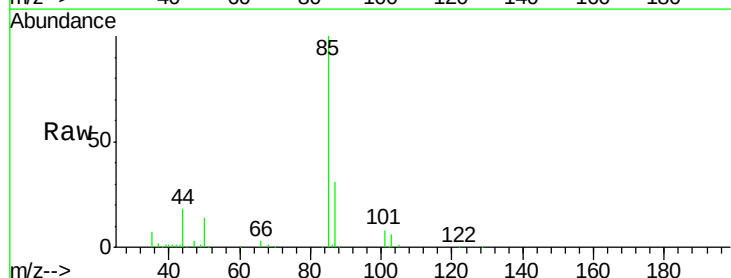
Acq: 9 Jan 2019 11:07

Tgt Ion: 85 Resp: 176947

Ion Ratio Lower Upper

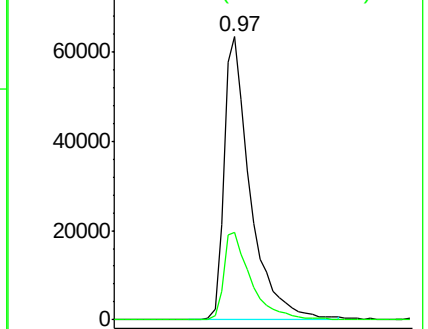
85 100

87 30.9 15.4 46.2

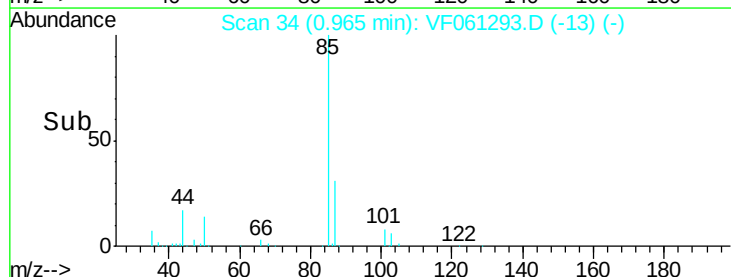


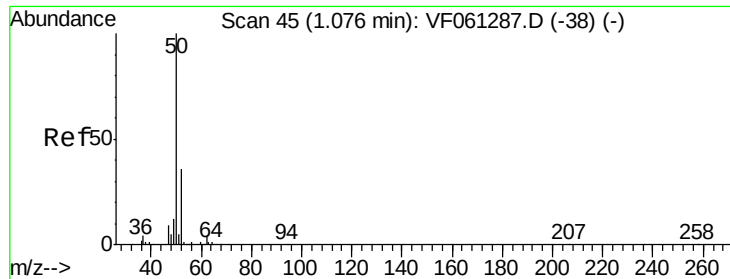
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->





#3

Chloromethane

Concen: 55.356 ug/l

RT: 1.08 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 155832

Ion Ratio Lower Upper

50 100

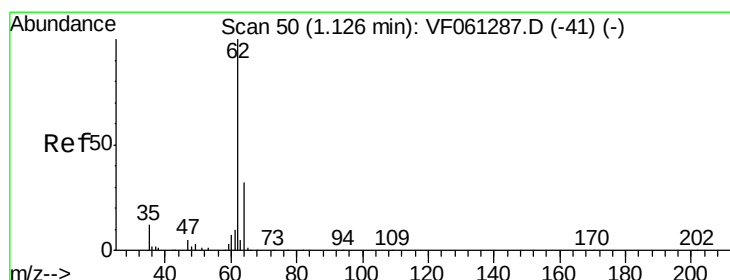
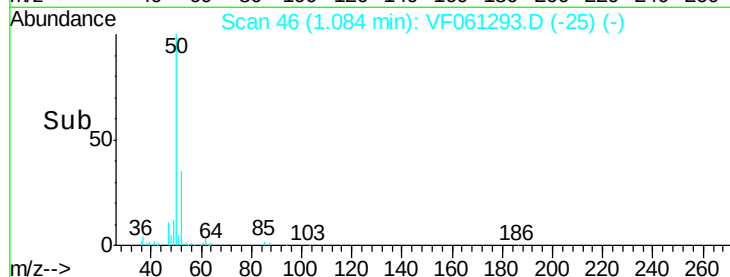
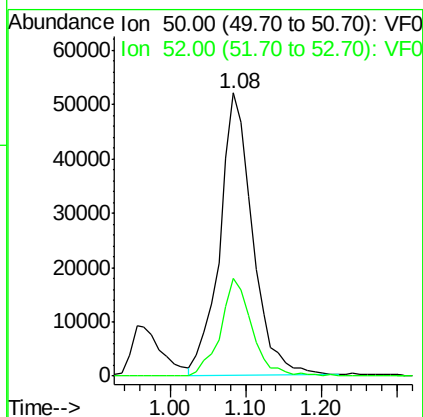
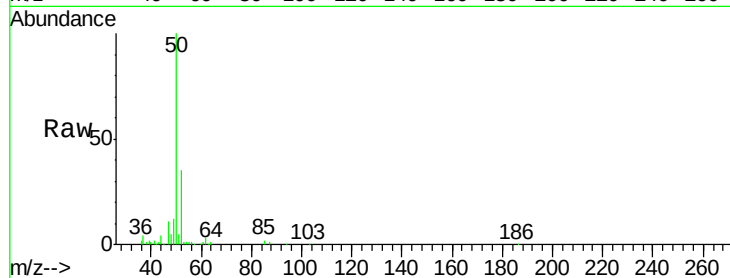
52 34.7 28.2 42.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.489 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.01 min

Lab File: VF061293.D

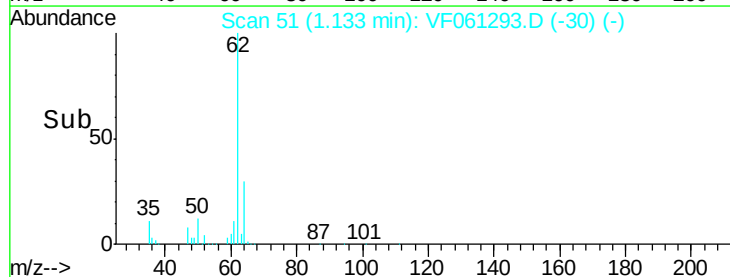
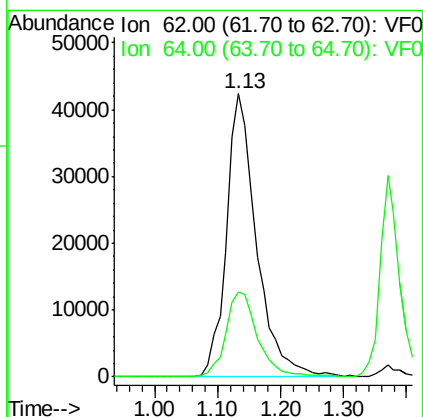
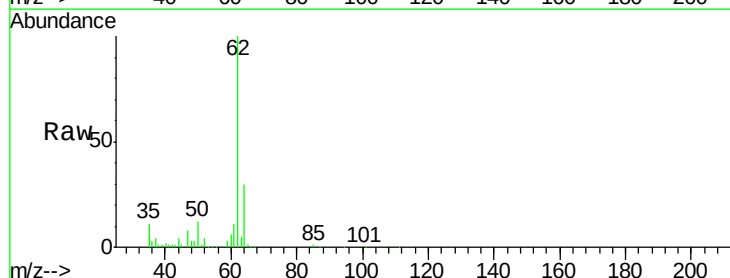
Acq: 9 Jan 2019 11:07

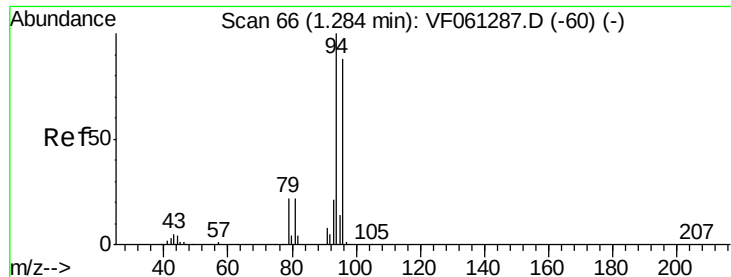
Tgt Ion: 62 Resp: 139514

Ion Ratio Lower Upper

62 100

64 30.2 25.4 38.0





#5

Bromomethane

Concen: 52.173 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.02 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 100963

Ion Ratio Lower Upper

94 100

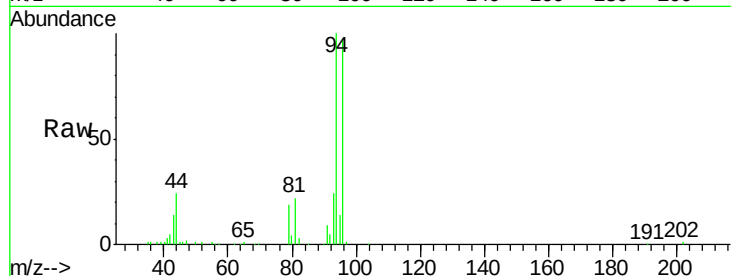
96 97.2 70.2 105.4

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

40000

30000

20000

10000

0

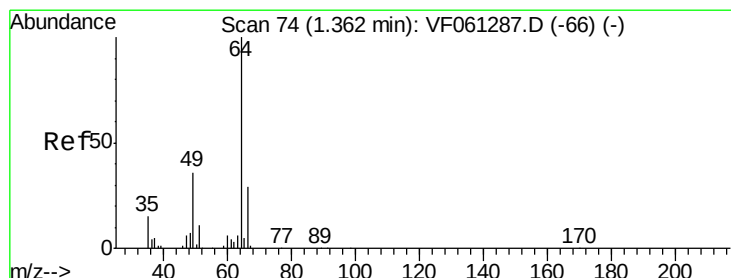
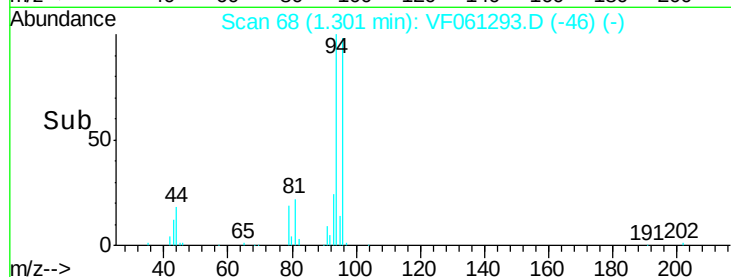
1.20

1.30

1.40

1.50

Time-->



#6

Chloroethane

Concen: 54.391 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.01 min

Lab File: VF061293.D

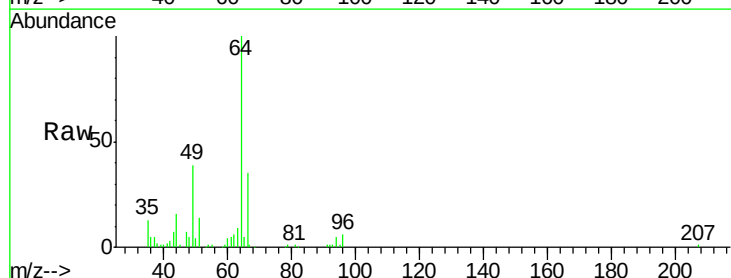
Acq: 9 Jan 2019 11:07

Tgt Ion: 64 Resp: 66781

Ion Ratio Lower Upper

64 100

66 34.9 23.4 35.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

30000

20000

10000

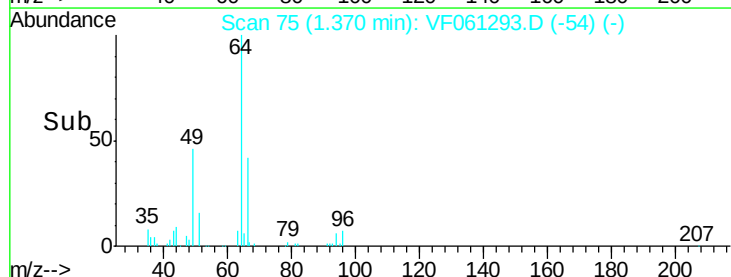
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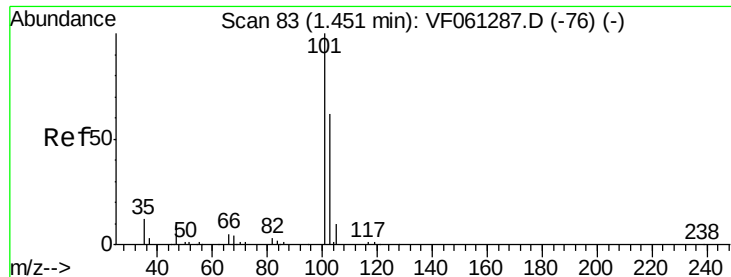
1.30

1.40

1.50

Time-->





#7

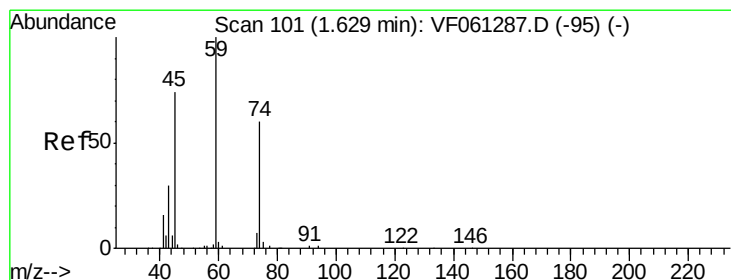
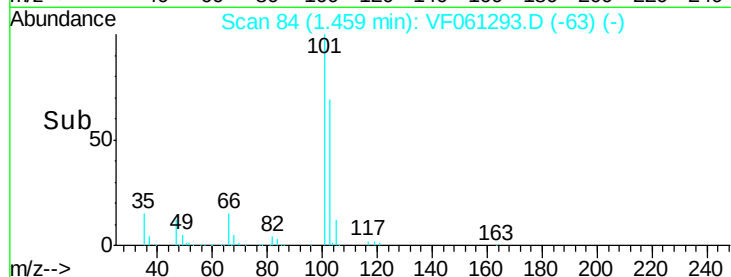
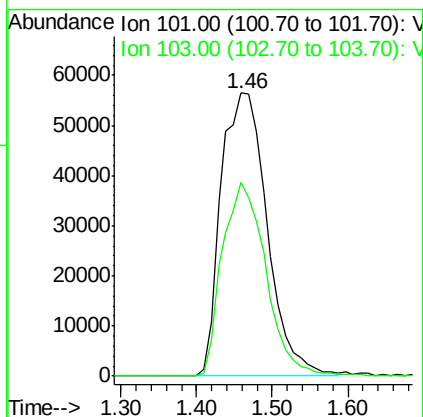
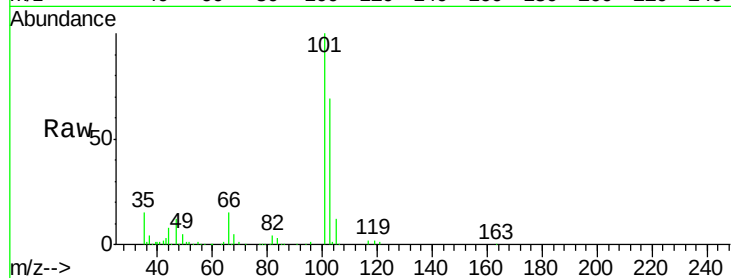
Trichlorofluoromethane
 Concen: 56.273 ug/l
 RT: 1.46 min Scan# 84
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	239853		
103	68.5	49.9	74.9	

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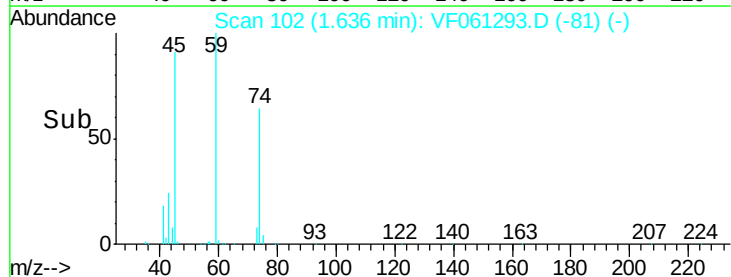
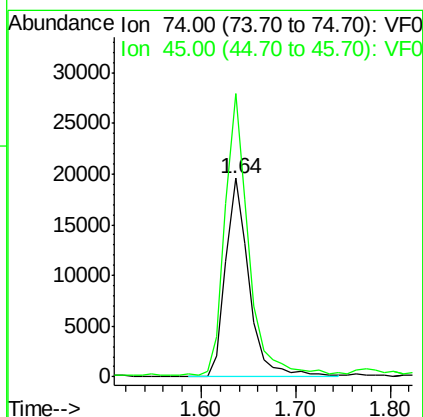
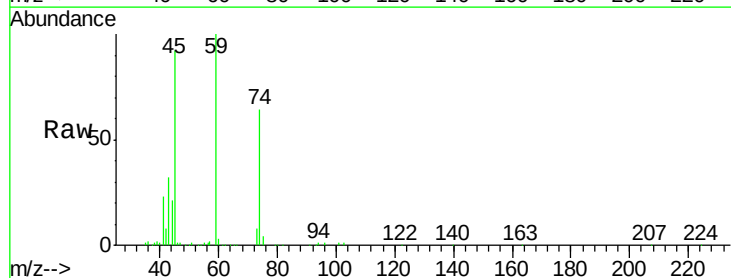
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 1/10/2019 2:02:32 PM

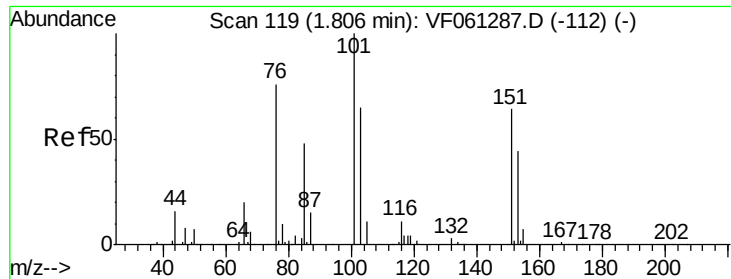


#8

Diethyl Ether
 Concen: 53.971 ug/l
 RT: 1.64 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	33780		
45	142.5	62.1	186.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.505 ug/l

RT: 1.81 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

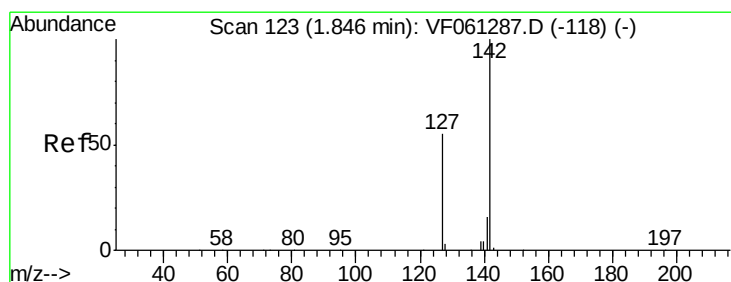
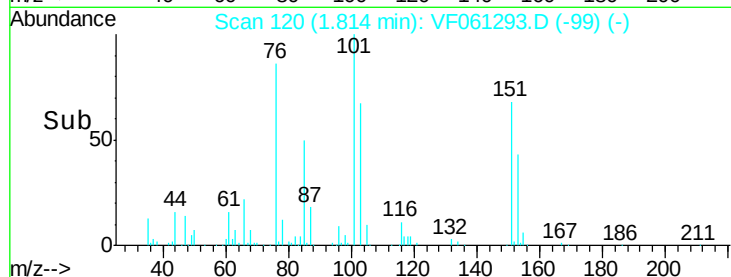
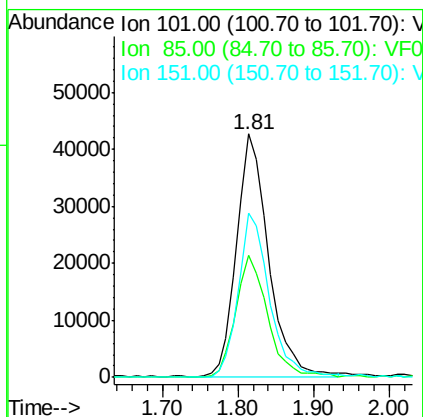
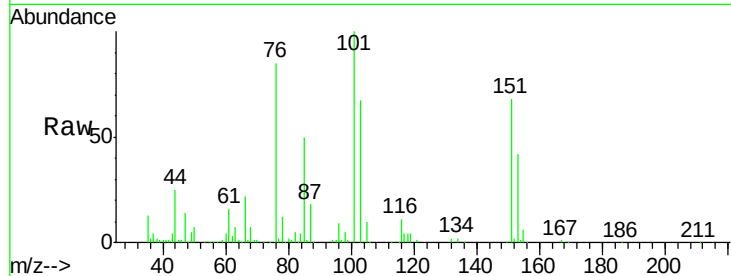
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	124919
Ion Ratio	Lower	Upper	
101	100		
85	50.1	38.4	57.6
151	67.6	51.4	77.2

Manual Integrations
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#10

Methyl Iodide

Concen: 57.506 ug/l

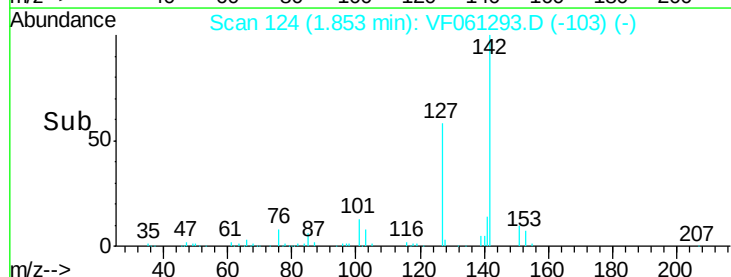
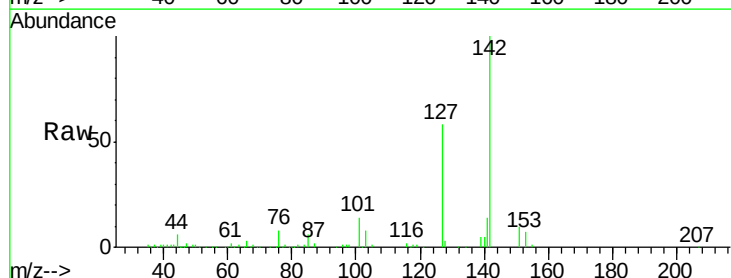
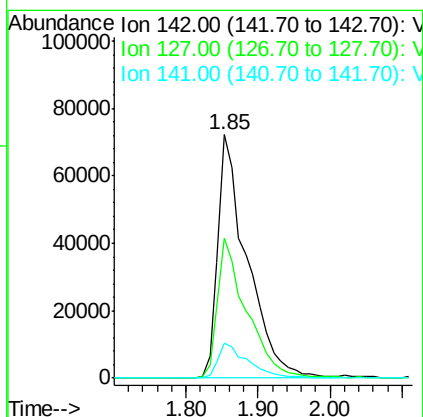
RT: 1.85 min Scan# 124

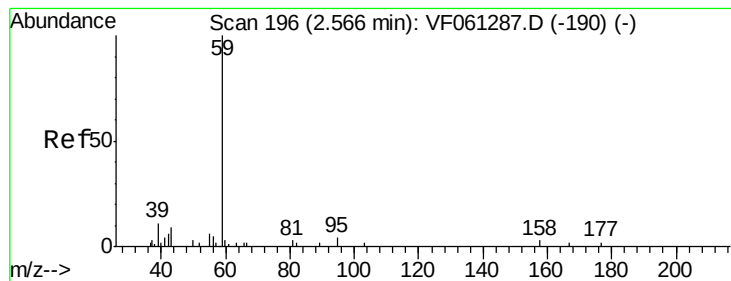
Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Tgt Ion:	142	Resp:	202764
Ion Ratio	Lower	Upper	
142	100		
127	57.7	44.3	66.5
141	14.4	13.2	19.8





#11

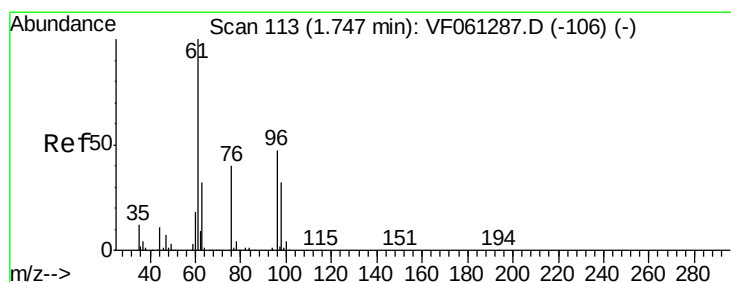
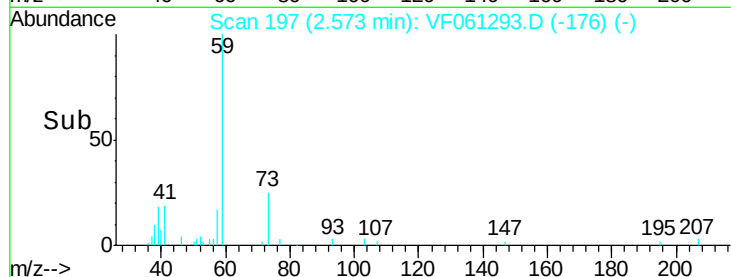
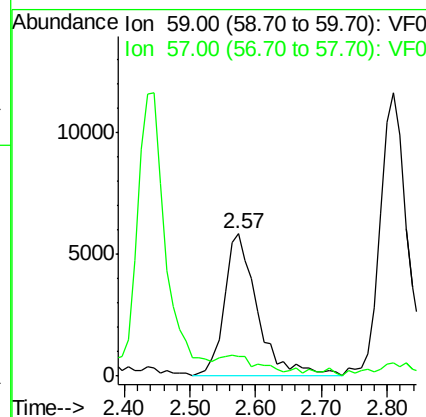
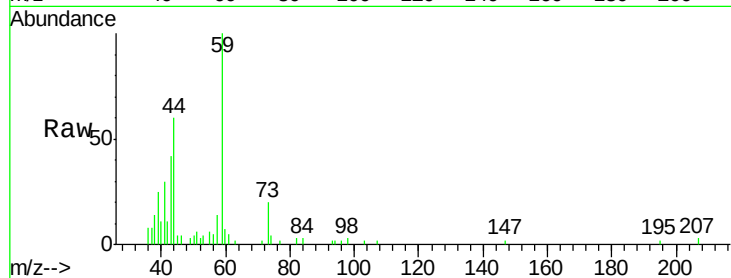
Tert butyl alcohol
Concen: 270.262 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	20627
Ion Ratio	100	Lower	Upper
57	13.6	15.1	22.7#

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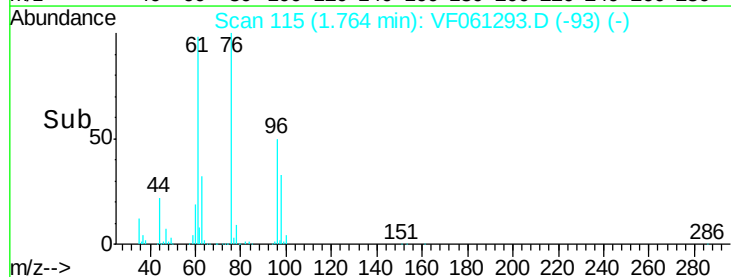
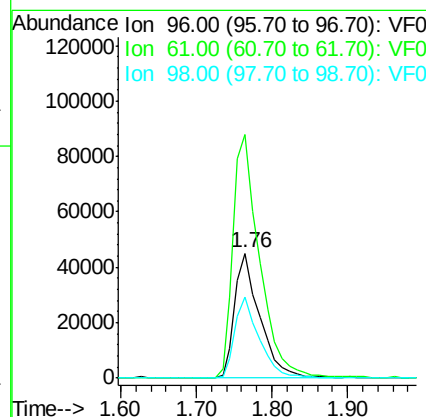
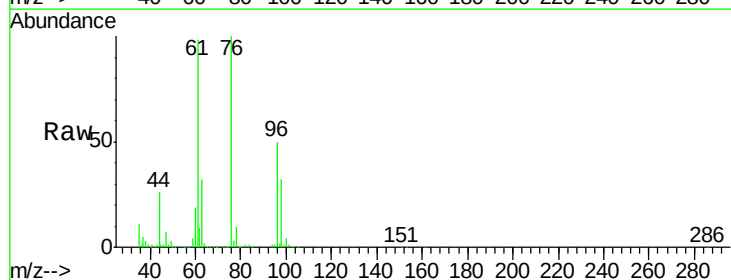
MMDadoda
1/10/2019 2:02:32 PM

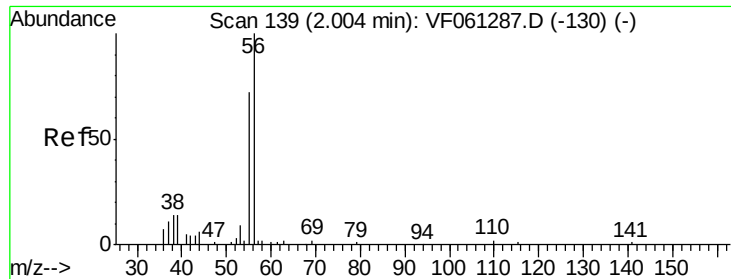


#12

1,1-Dichloroethene
Concen: 57.951 ug/l
RT: 1.76 min Scan# 115
Delta R.T. 0.02 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion	96	Resp	104293
Ion Ratio	100	Lower	Upper
61	194.9	171.8	257.8
98	64.6	54.2	81.4





#13

Acrolein

Concen: 262.193 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 21675

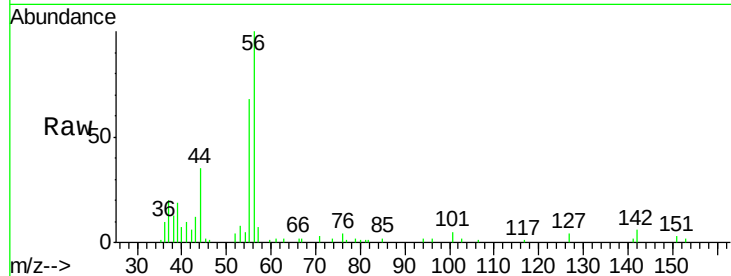
Ion Ratio Lower Upper

56 100

55 67.6 59.4 89.0

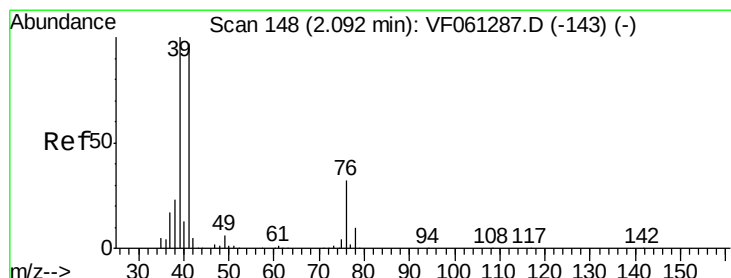
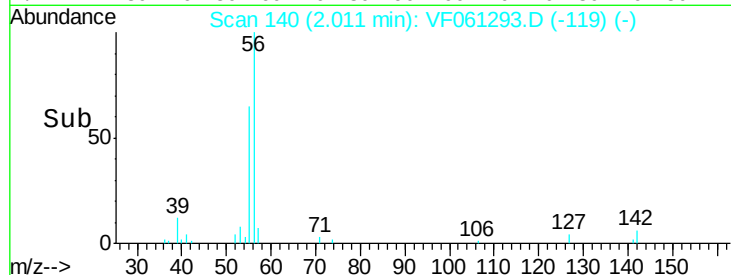
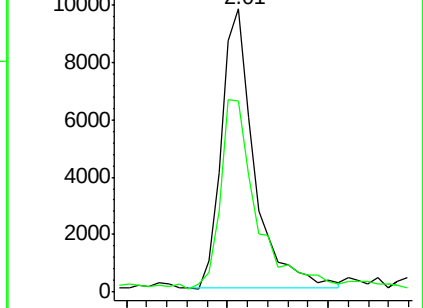
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 56.472 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.02 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

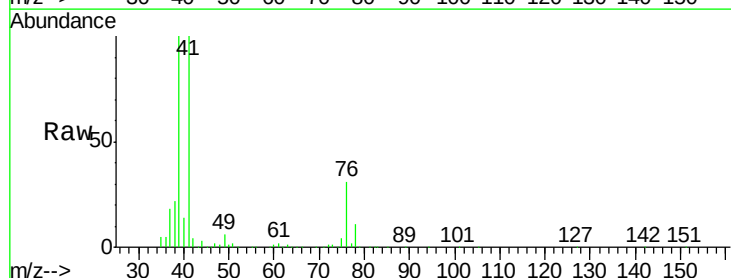
Tgt Ion: 41 Resp: 185768

Ion Ratio Lower Upper

41 100

39 99.7 82.6 123.8

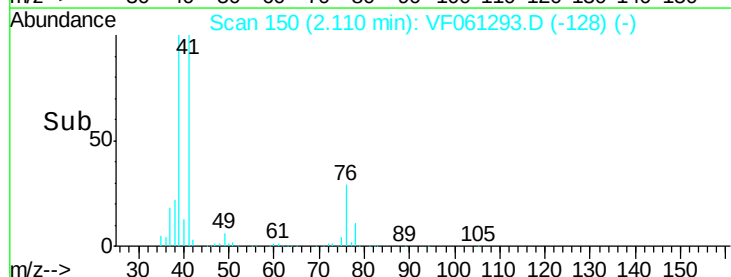
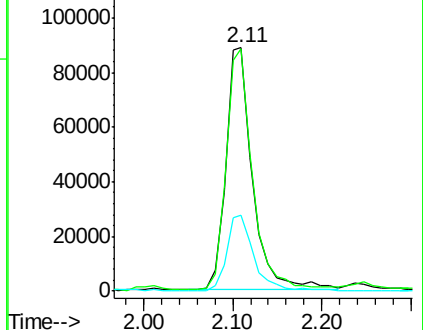
76 31.0 26.9 40.3

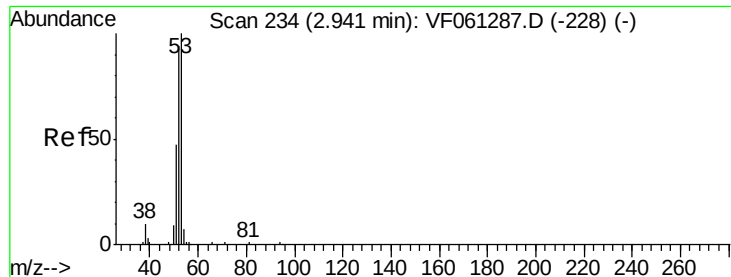


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 283.604 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

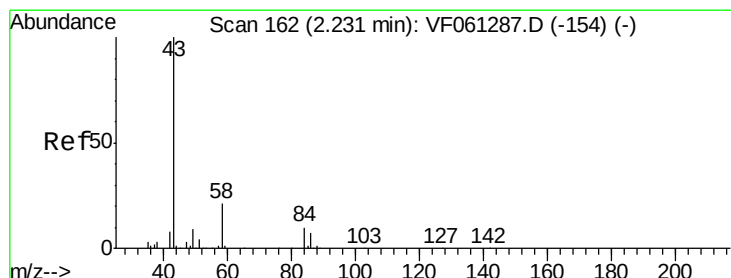
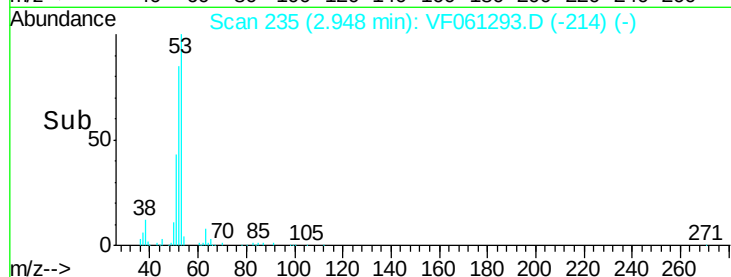
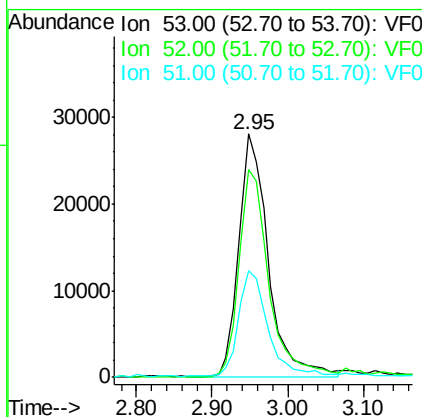
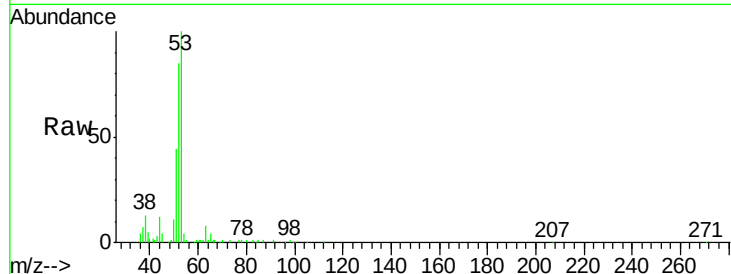
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	76732
Ion	Ratio	Lower	Upper
53	100		
52	85.4	74.6	111.8
51	43.8	37.8	56.6

Manual Integrations
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#16

Acetone

Concen: 322.557 ug/l

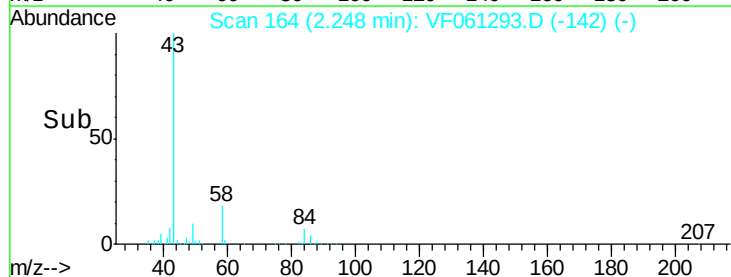
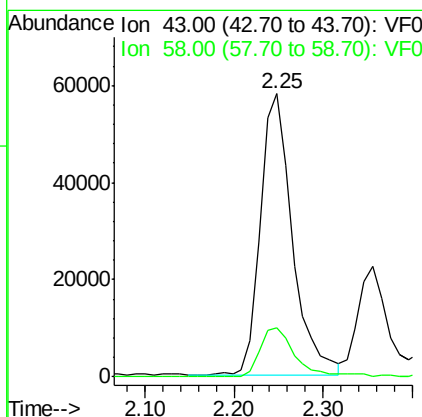
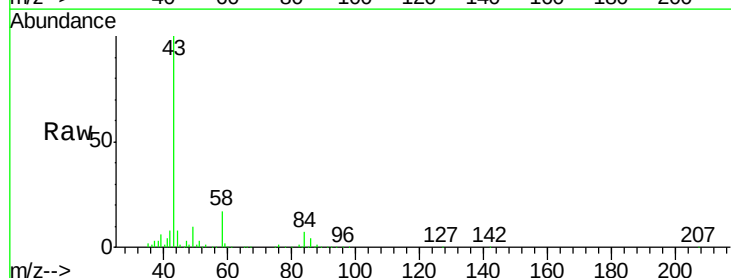
RT: 2.25 min Scan# 164

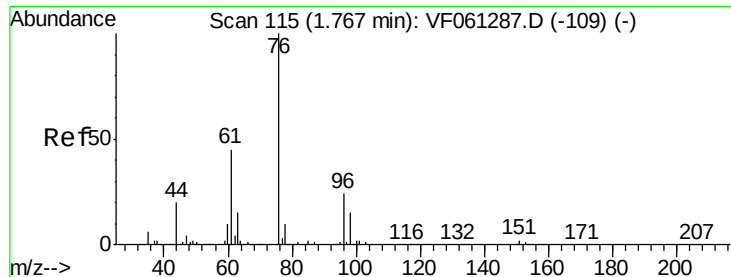
Delta R.T. 0.02 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Tgt Ion:	43	Resp:	143034
Ion	Ratio	Lower	Upper
43	100		
58	17.4	16.6	25.0





#17

Carbon Disulfide

Concen: 57.175 ug/l

RT: 1.77 min Scan# 116

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 339868

Ion Ratio Lower Upper

76 100

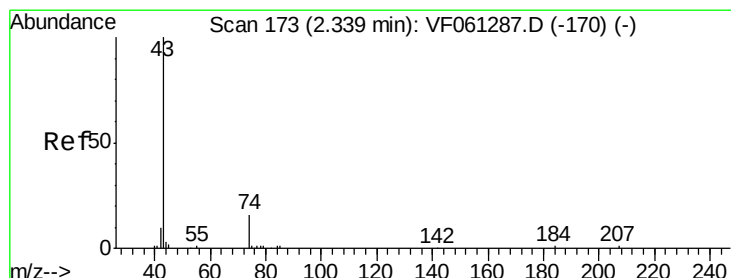
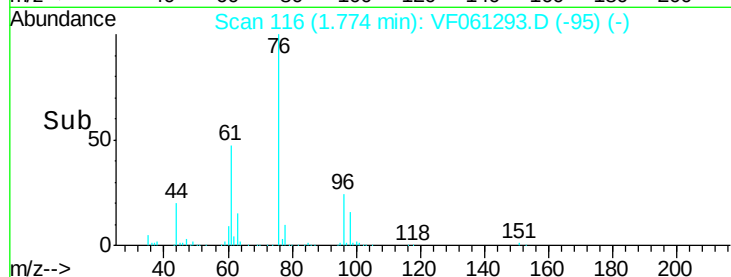
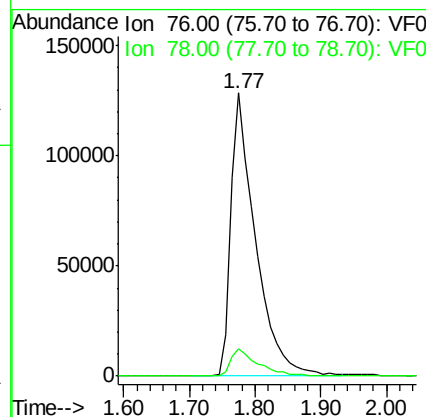
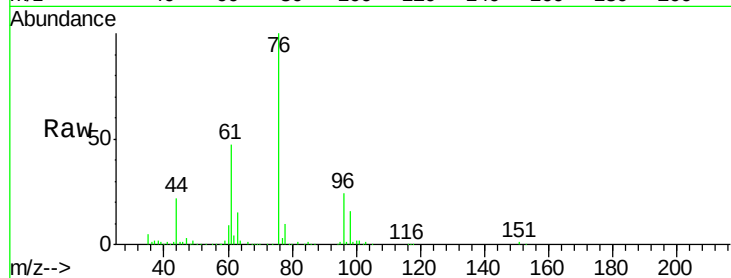
78 9.7 7.8 11.6

Manual Integrations

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#18

Methyl Acetate

Concen: 59.699 ug/l m

RT: 2.36 min Scan# 175

Delta R.T. 0.02 min

Lab File: VF061293.D

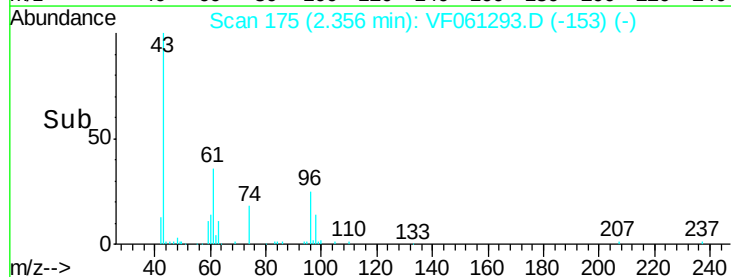
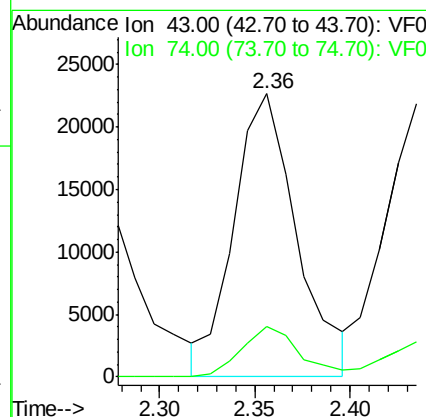
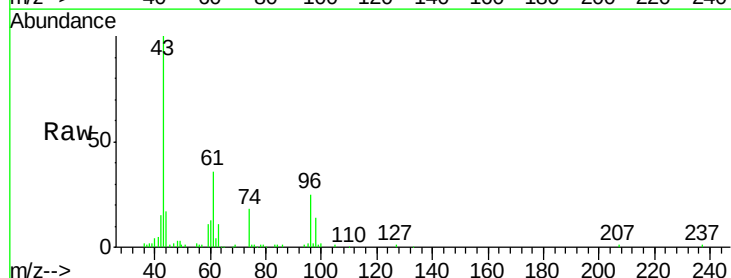
Acq: 9 Jan 2019 11:07

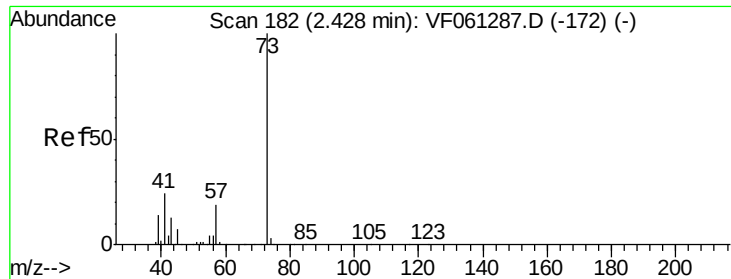
Tgt Ion: 43 Resp: 52084

Ion Ratio Lower Upper

43 100

74 17.6 11.6 17.4#





#19

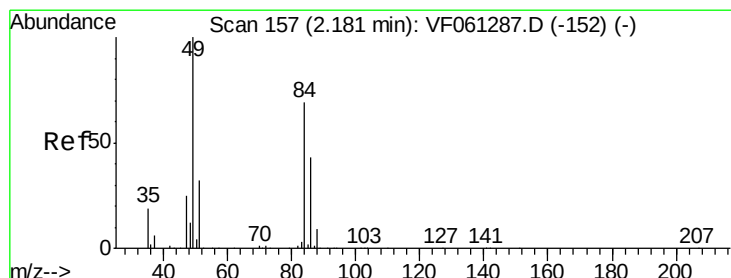
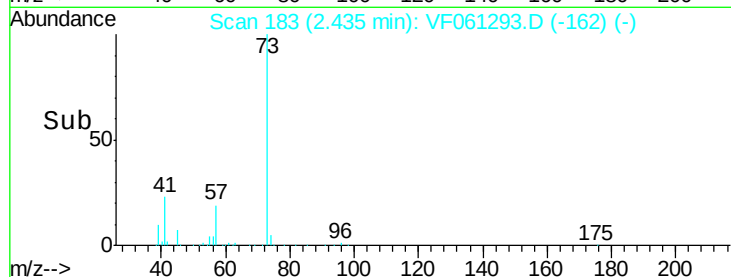
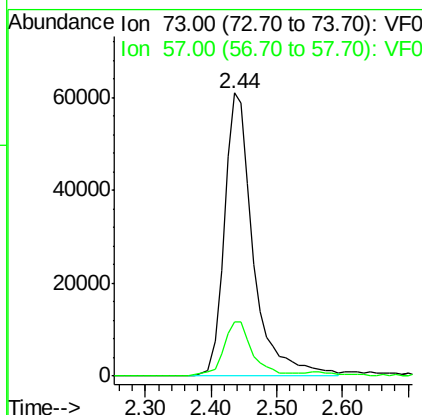
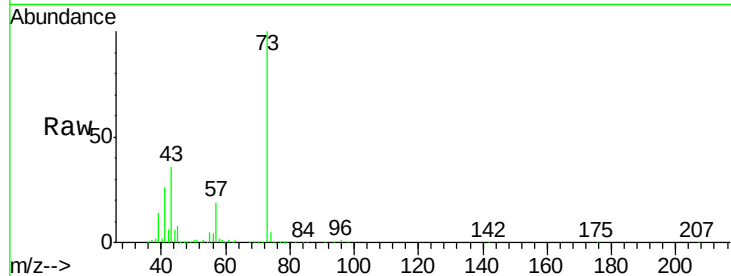
Methyl tert-butyl Ether
 Concen: 54.505 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	73	Resp	186924
Ion Ratio	Lower	Upper	
73	100		
57	19.0	15.5	23.3

Manual Integrations
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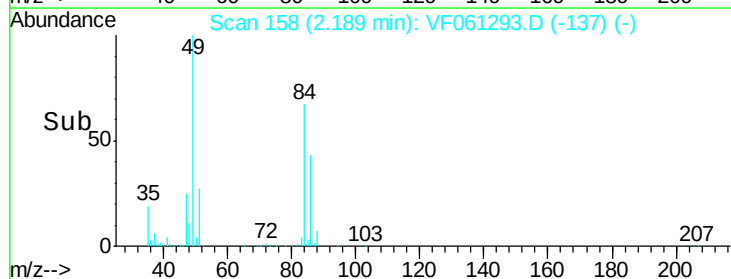
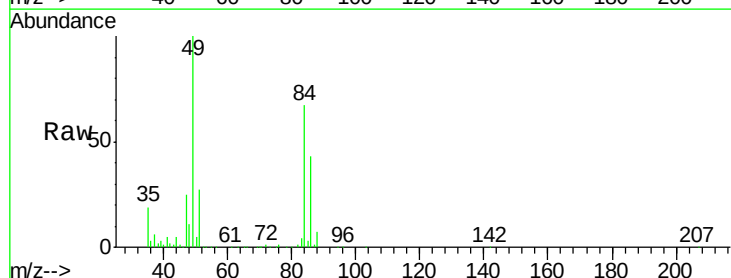
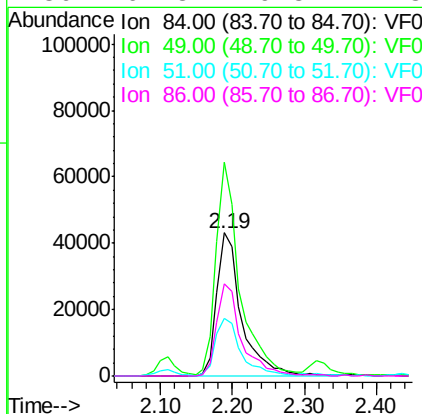
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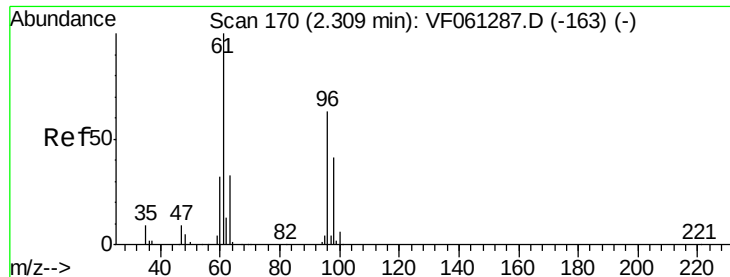


#20

Methylene Chloride
 Concen: 54.717 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Tgt Ion	84	Resp	102649
Ion Ratio	Lower	Upper	
84	100		
49	149.2	116.6	175.0
51	40.1	37.7	56.5
86	64.3	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 58.504 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

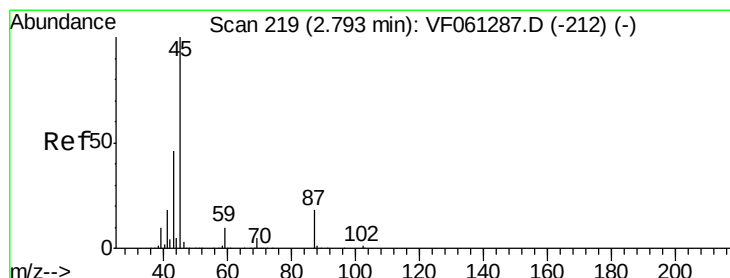
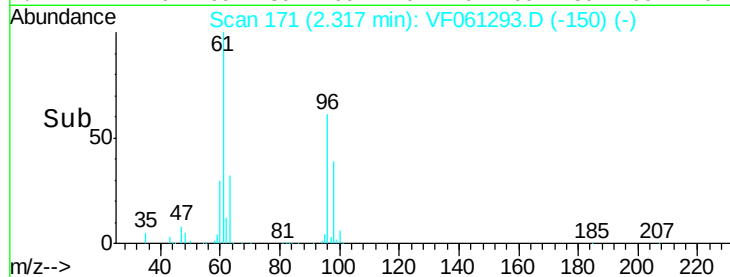
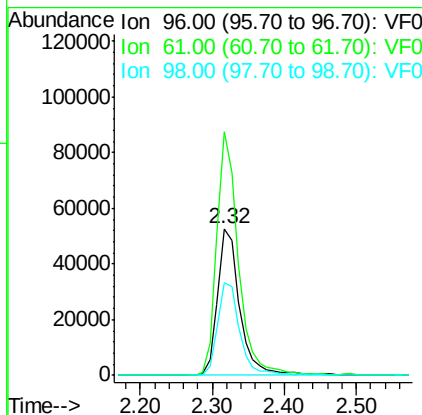
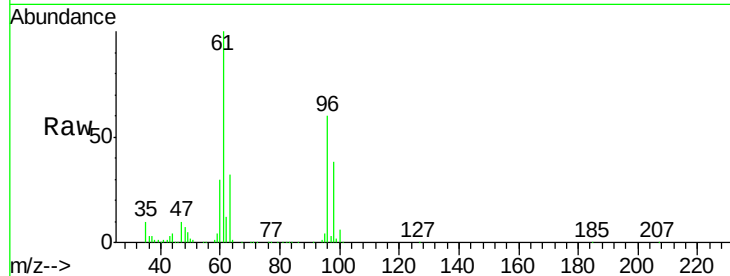
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	111571
Ion	Ratio	Lower	Upper
96	100		
61	166.1	127.0	190.4
98	63.6	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 57.287 ug/l

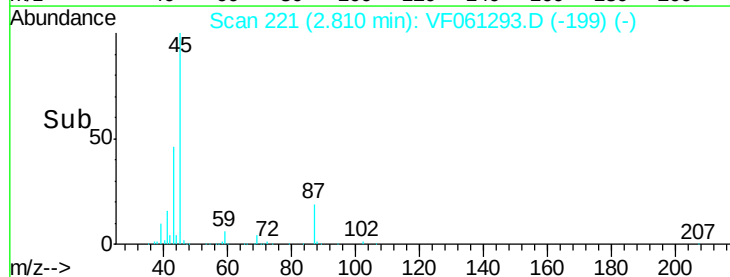
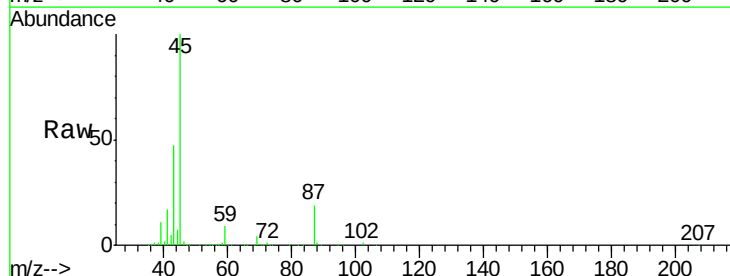
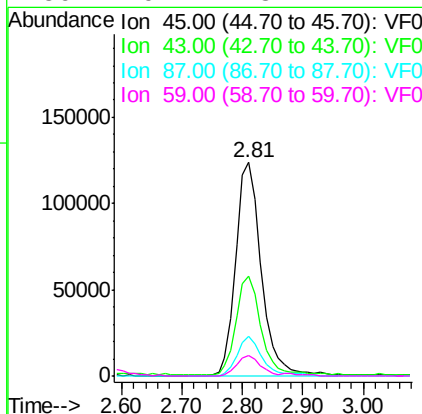
RT: 2.81 min Scan# 221

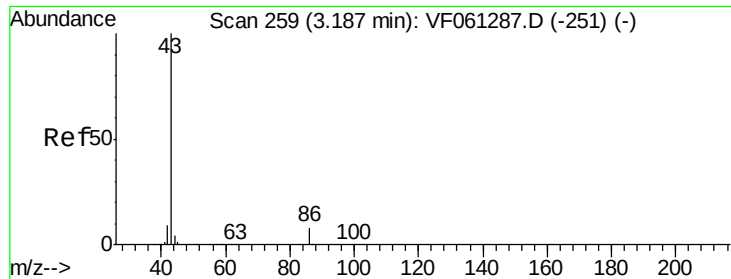
Delta R.T. 0.02 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Tgt Ion:	45	Resp:	364579
Ion	Ratio	Lower	Upper
45	100		
43	47.0	37.4	56.2
87	18.6	14.2	21.2
59	9.4	8.2	12.2





#23

Vinyl Acetate

Concen: 295.771 ug/l

RT: 3.20 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 550480

Ion Ratio Lower Upper

43 100

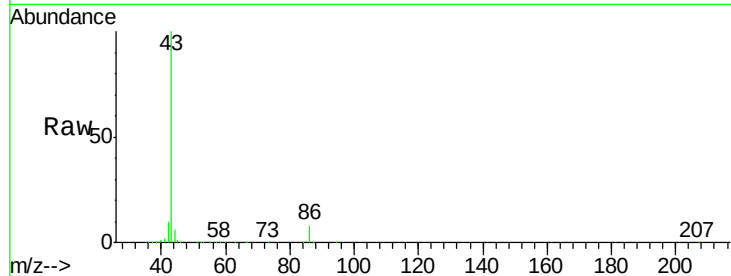
86 8.4 6.5 9.7

Manual Integrations

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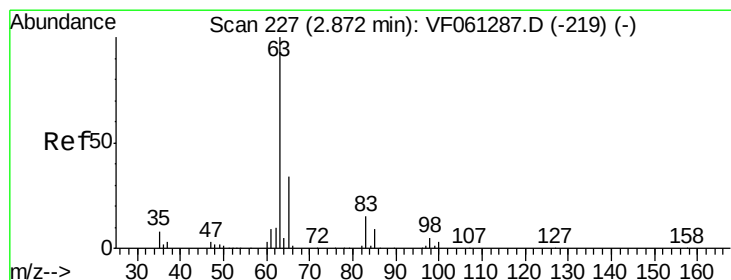
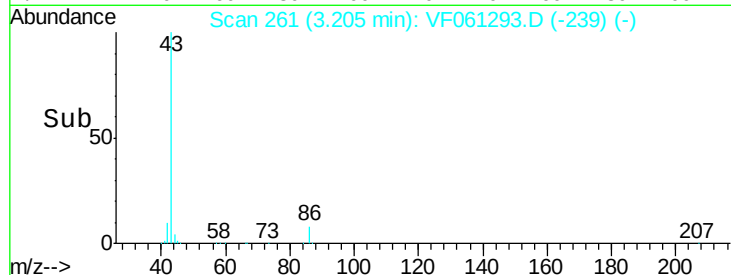
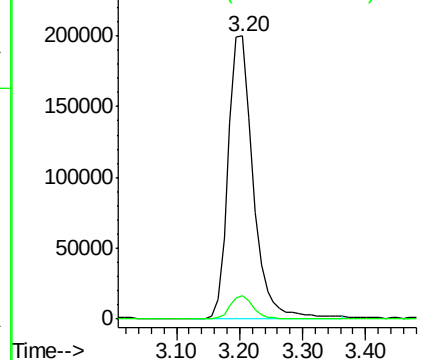
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 58.144 ug/l

RT: 2.89 min Scan# 229

Delta R.T. 0.02 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

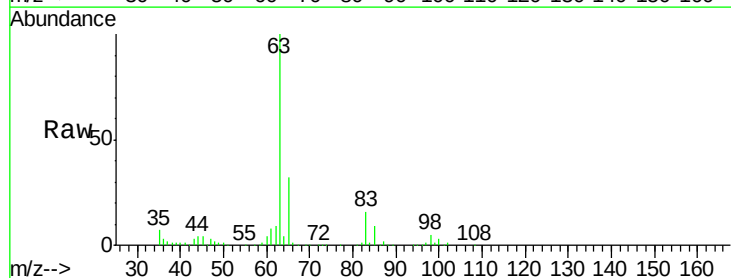
Tgt Ion: 63 Resp: 214049

Ion Ratio Lower Upper

63 100

98 5.3 2.5 7.6

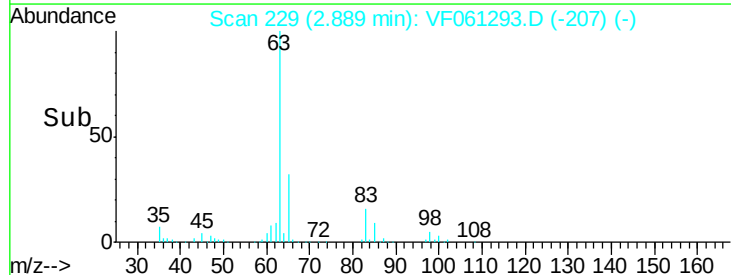
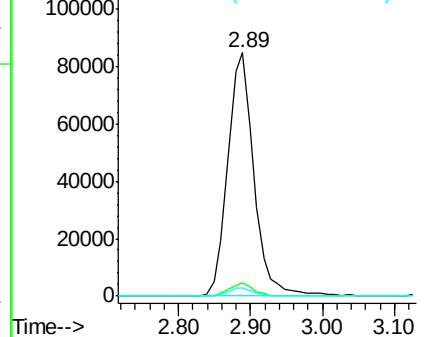
100 3.1 1.7 5.0

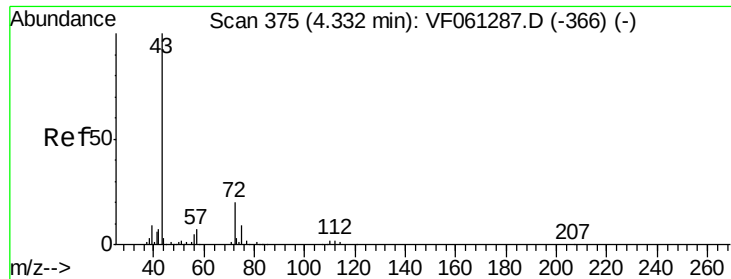


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 293.340 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 209359

Ion Ratio Lower Upper

43 100

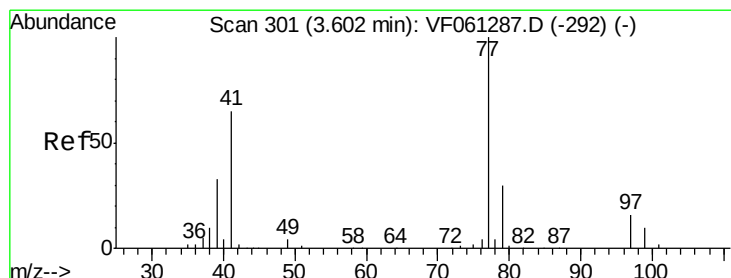
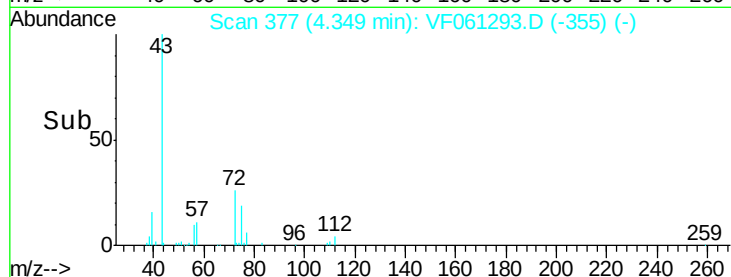
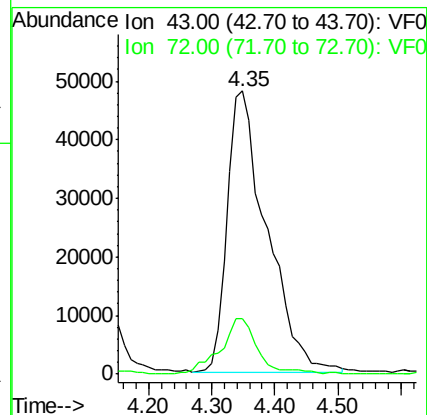
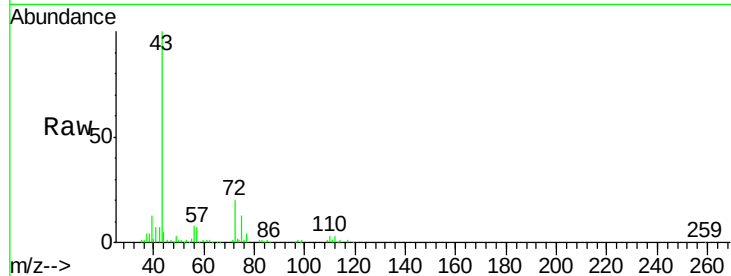
72 19.8 16.5 24.7

Manual Integrations

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1/10/2019 2:02:32 PM



#26

2,2-Dichloropropane

Concen: 60.369 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.02 min

Lab File: VF061293.D

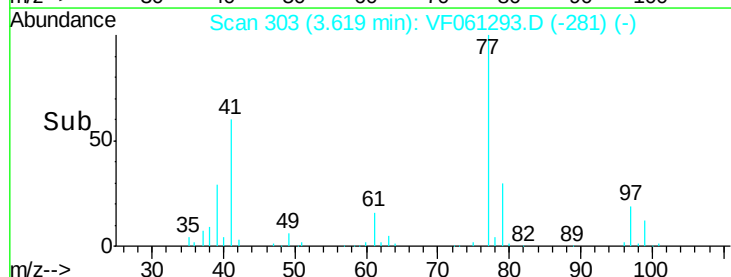
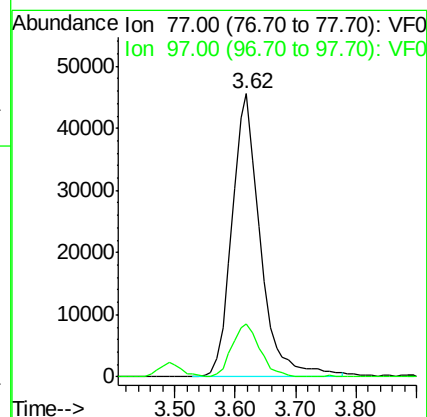
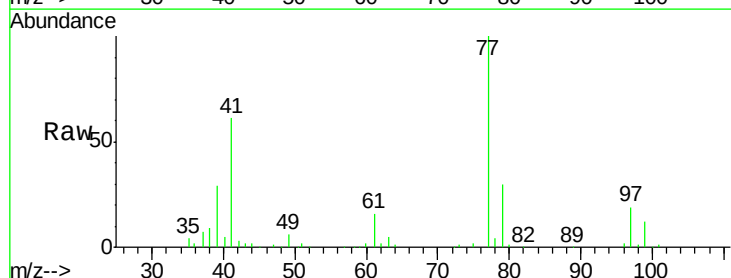
Acq: 9 Jan 2019 11:07

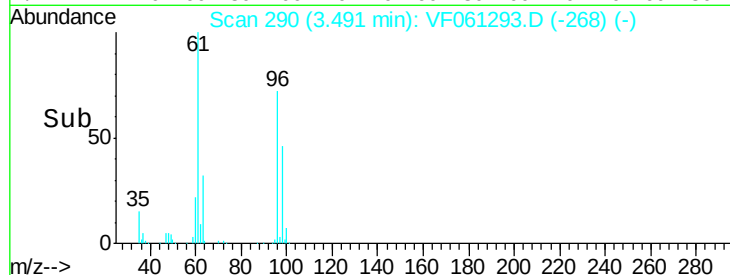
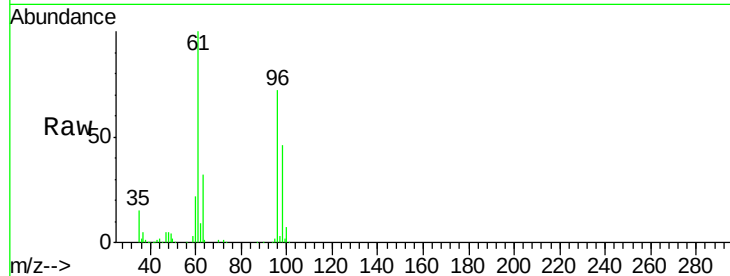
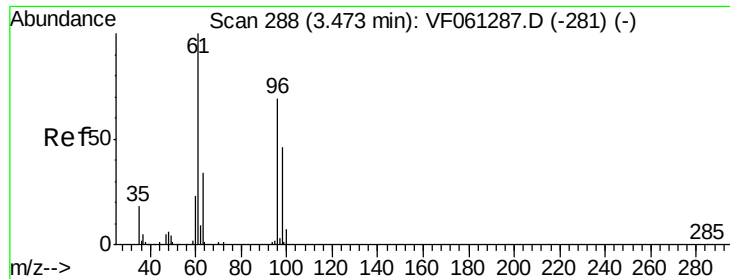
Tgt Ion: 77 Resp: 148509

Ion Ratio Lower Upper

77 100

97 18.8 8.6 25.9





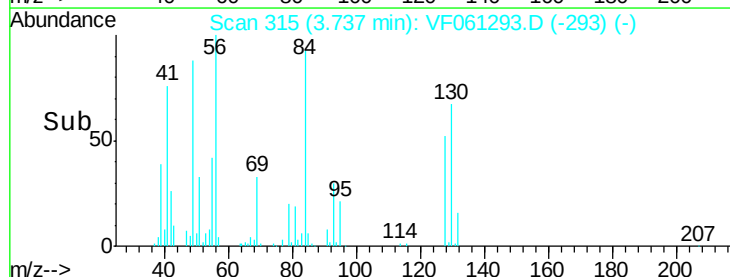
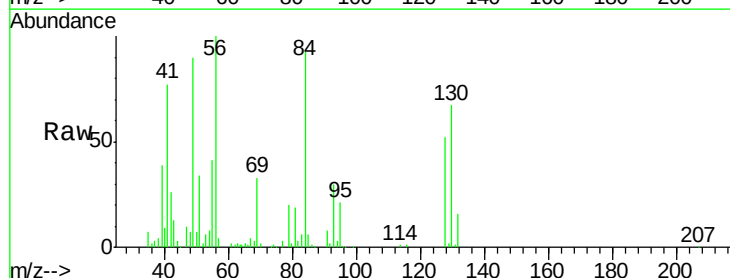
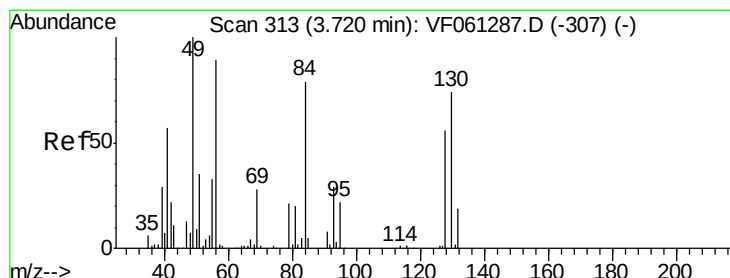
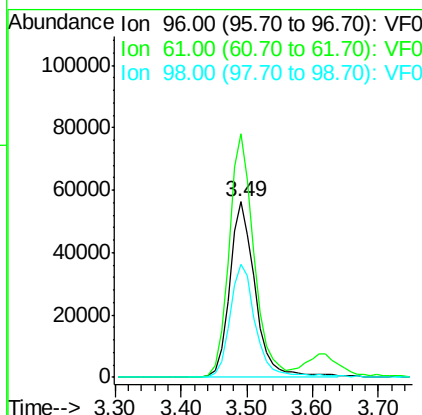
#27
 cis-1,2-Dichloroethene
 Concen: 57.506 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. 0.02 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Tot Ion	Ratio	Resp	Lower	Upper
96	100	153114		
61	138.6	0.0	288.2	
98	64.4	0.0	132.2	

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

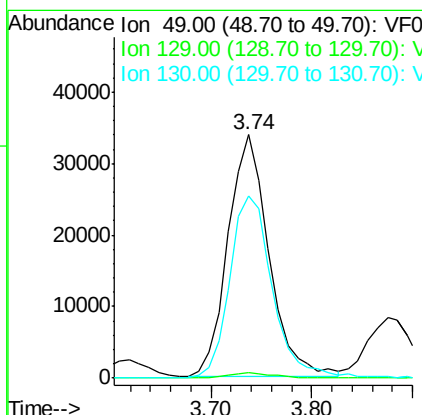
Manual Integrations
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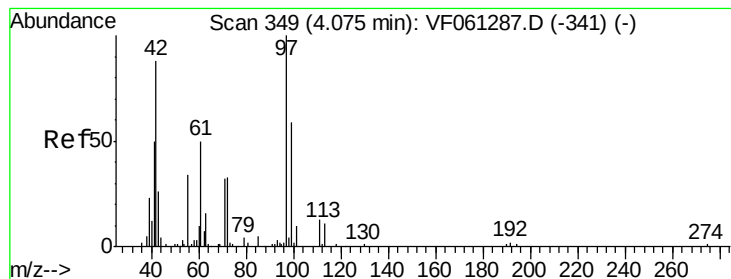
MMDadoda
 1/10/2019 2:02:32 PM



#28
 Bromochloromethane
 Concen: 58.559 ug/l
 RT: 3.74 min Scan# 315
 Delta R.T. 0.02 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	95049		
129	2.3	0.0	0.0#	
130	74.7	58.6	88.0	





#29

Tetrahydrofuran

Concen: 268.556 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.02 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

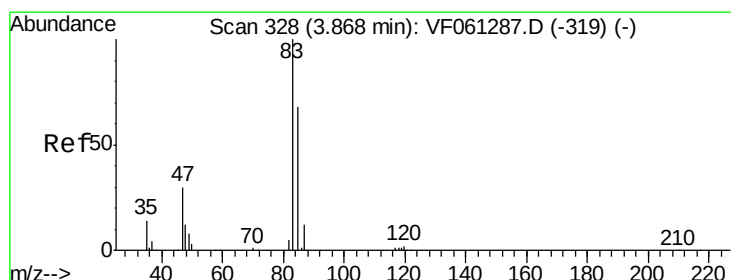
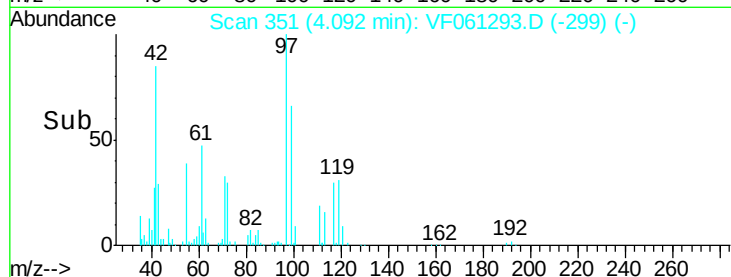
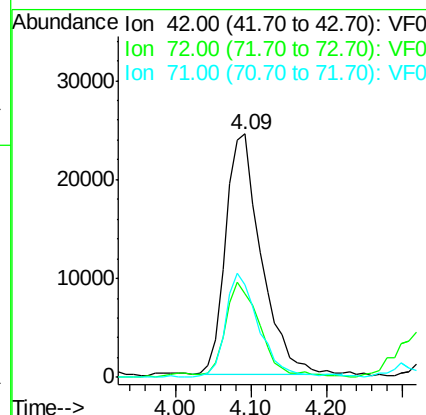
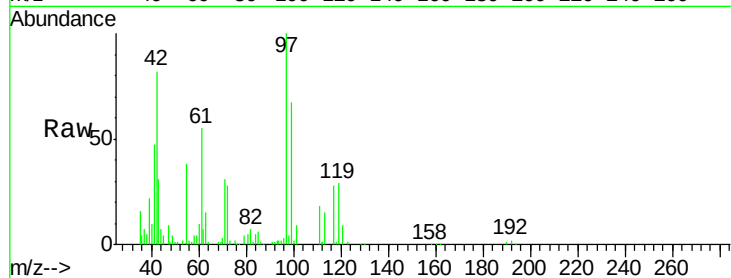
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	80139
Ion	Ratio	Lower	Upper
42	100		
72	38.4	32.3	48.5
71	39.9	29.5	44.3

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#30

Chloroform

Concen: 55.267 ug/l

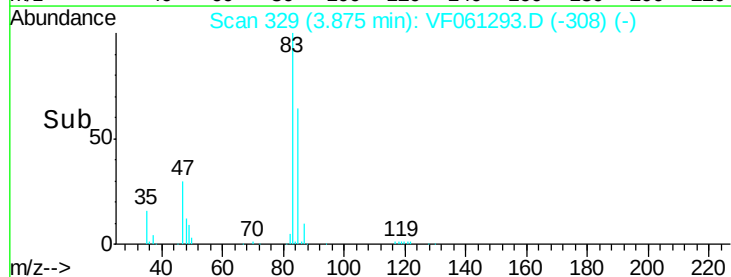
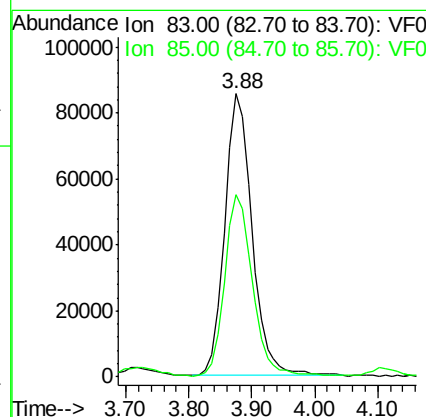
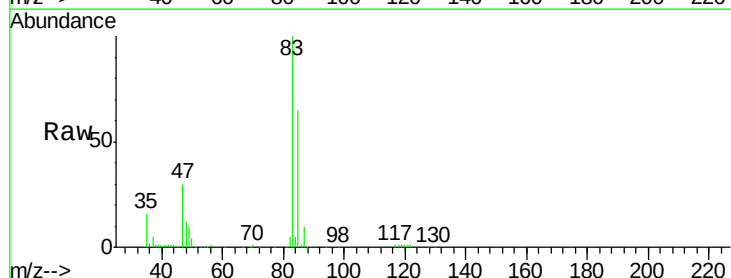
RT: 3.88 min Scan# 329

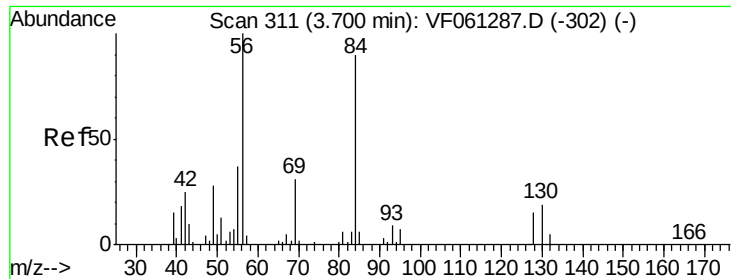
Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Tgt Ion:	83	Resp:	258277
Ion	Ratio	Lower	Upper
83	100		
85	64.5	54.4	81.6





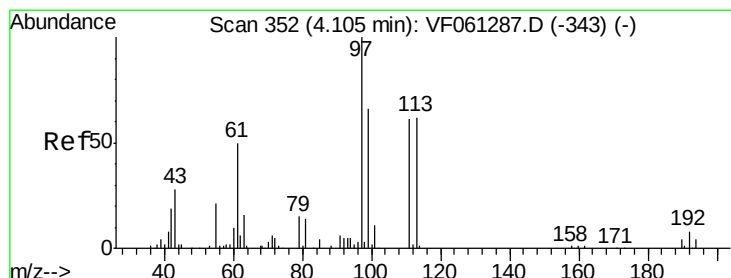
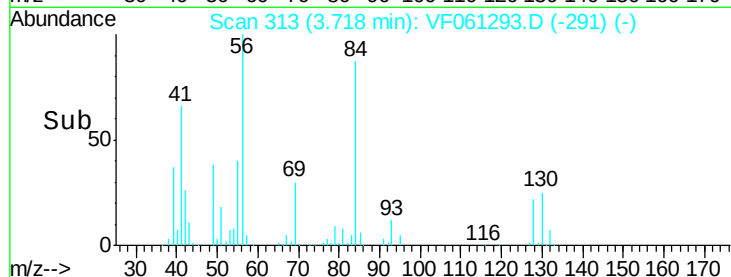
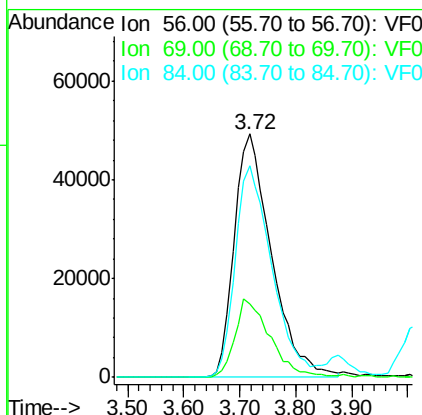
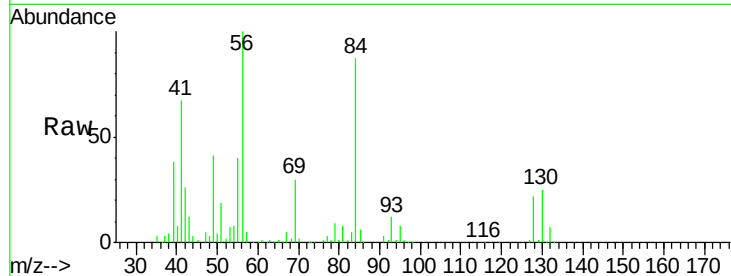
#31
Cyclohexane
Concen: 58.922 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.02 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	227561		
69	30.3		24.7	37.1
84	86.8		72.2	108.4

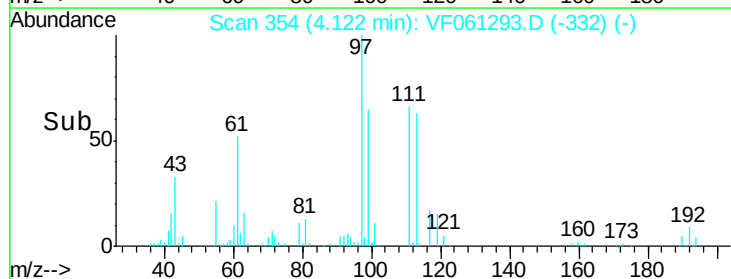
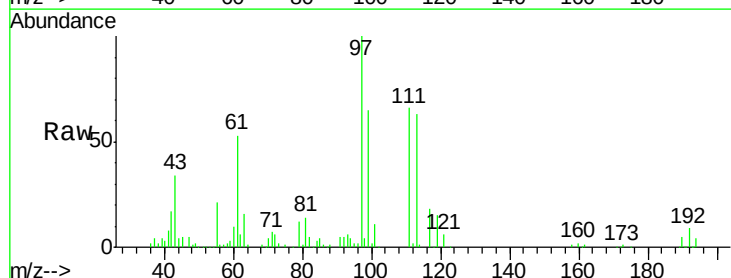
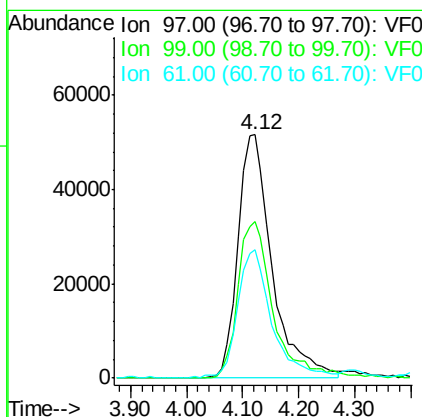
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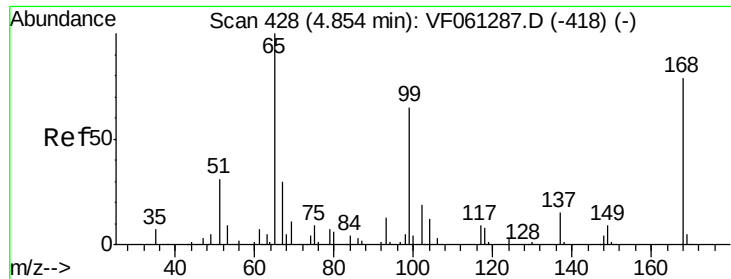
MMDadoda
1/10/2019 2:02:32 PM



#32
1,1,1-Trichloroethane
Concen: 58.070 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.02 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	219198		
99	64.5		52.7	79.1
61	52.6		40.8	61.2





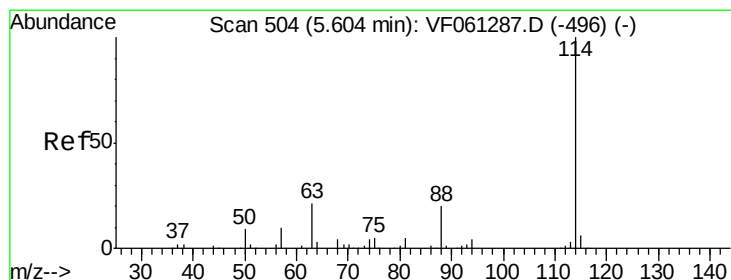
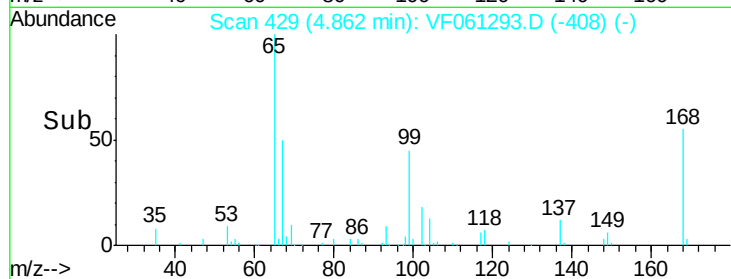
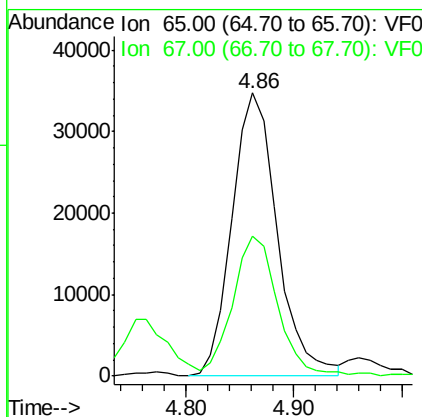
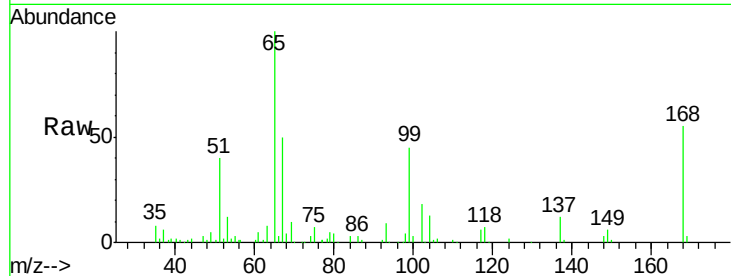
#33
 1,2-Dichloroethane-d4
 Concen: 53.148 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	101312		
67	49.6	0.0	98.2	

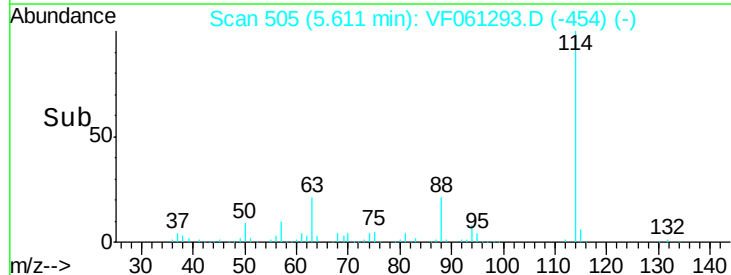
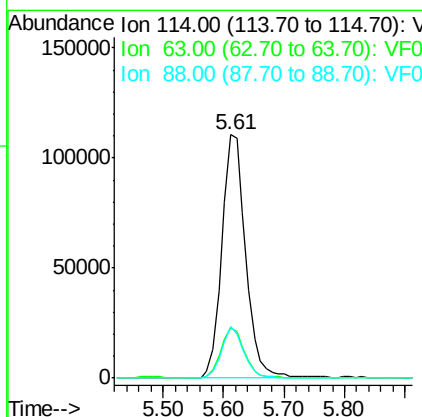
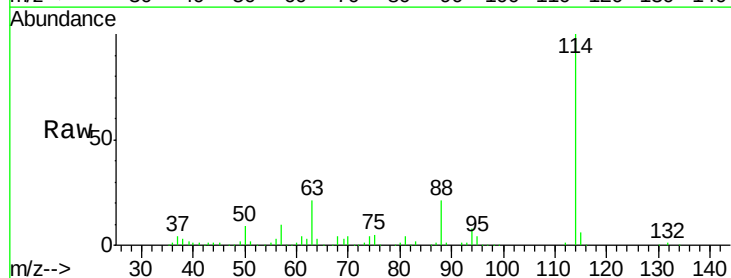
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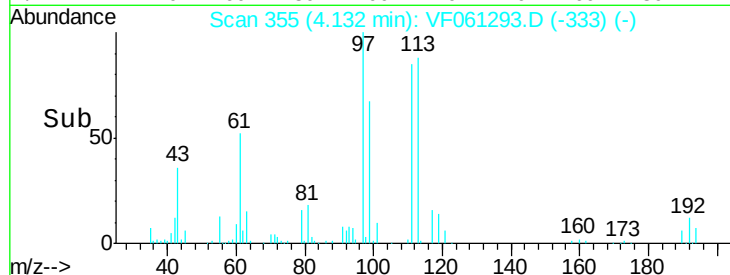
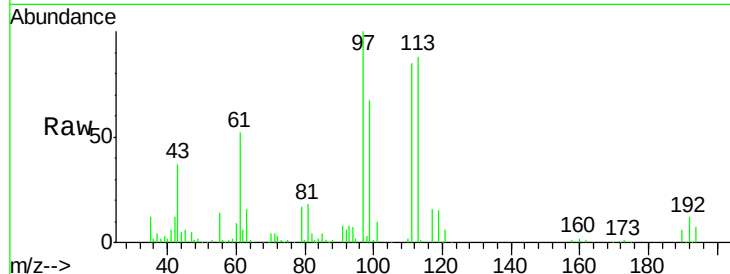
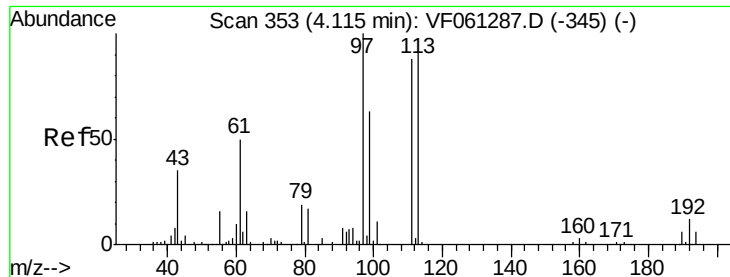
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302972		
63	20.8	0.0	42.8	
88	20.9	0.0	40.0	





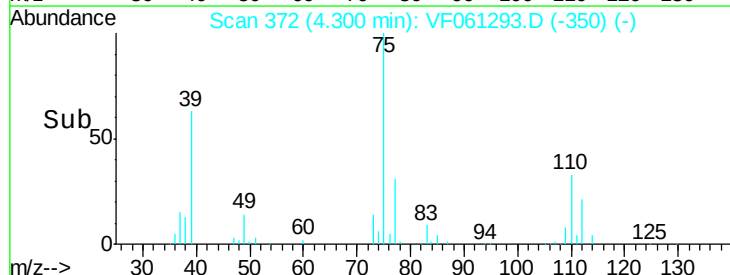
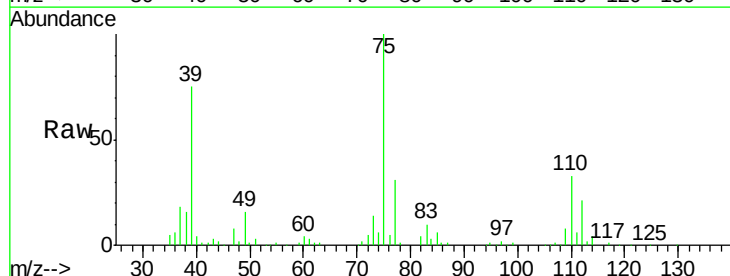
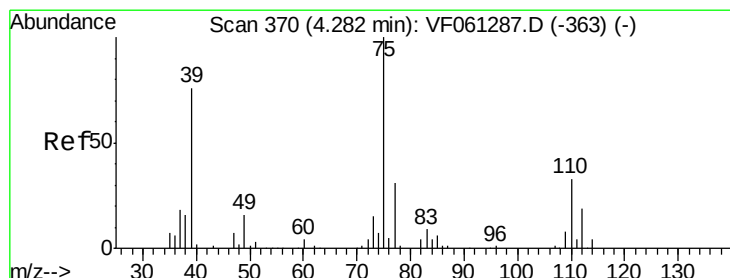
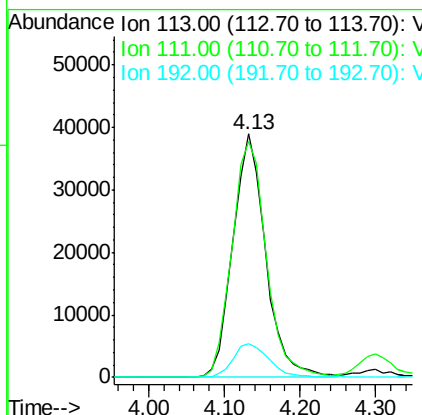
#35
Dibromofluoromethane
Concen: 50.386 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116807		
111	96.9	78.0	117.0	
192	14.5	10.6	16.0	

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

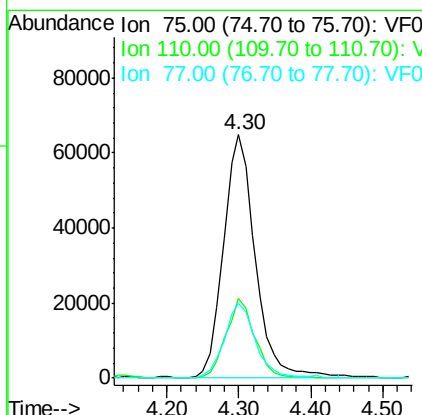
Manual Integrations
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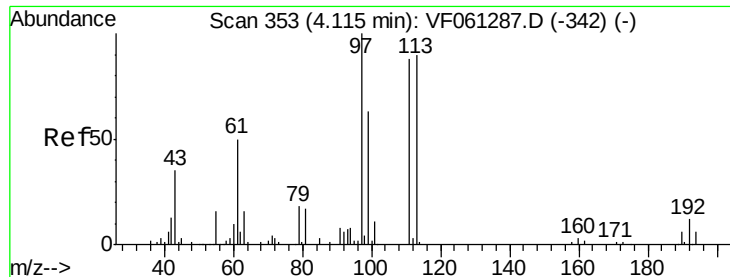
MMDadoda
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#36
1,1-Dichloropropene
Concen: 55.461 ug/l
RT: 4.30 min Scan# 372
Delta R.T. 0.02 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	196221		
110	32.9	16.6	49.8	
77	30.8	25.1	37.7	





#37

Ethyl Acetate

Concen: 54.112 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

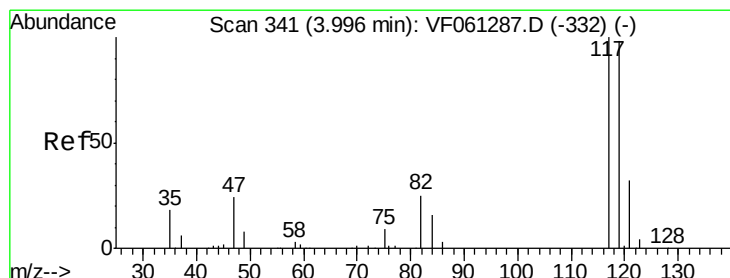
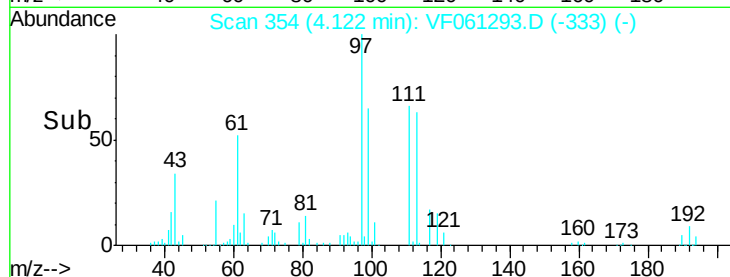
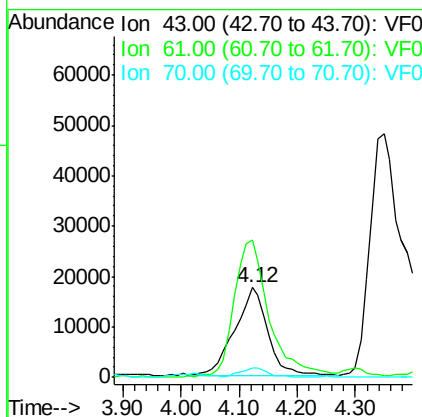
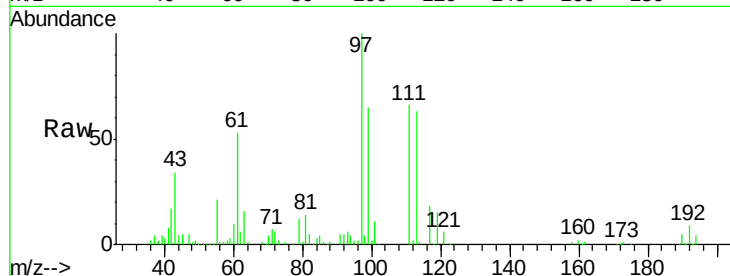
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	69718
Ion	Ratio	Lower	Upper
43	100		
61	152.6	113.3	169.9
70	10.7	9.4	14.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 62.017 ug/l

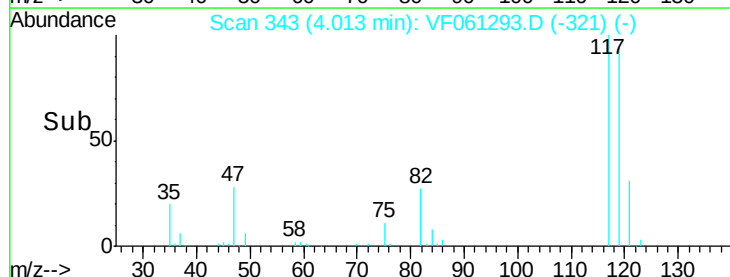
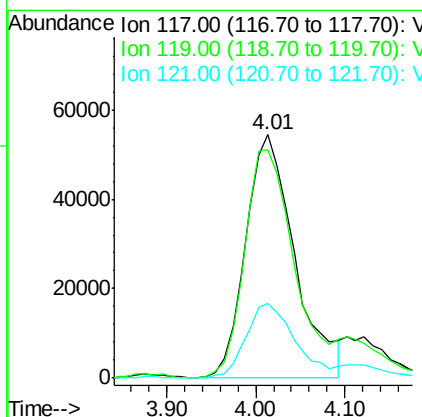
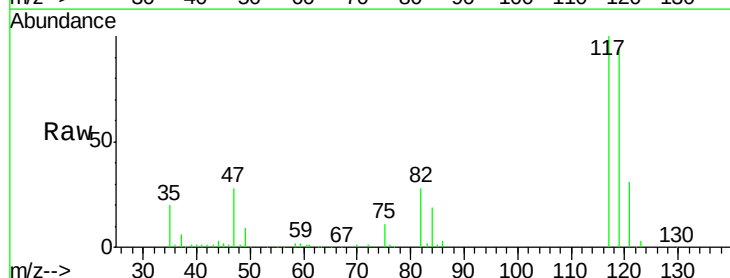
RT: 4.01 min Scan# 343

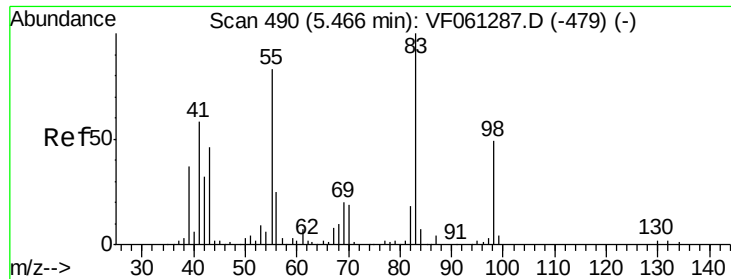
Delta R.T. 0.02 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Tgt Ion:	117	Resp:	207810
Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.5	117.7
121	30.6	25.3	37.9





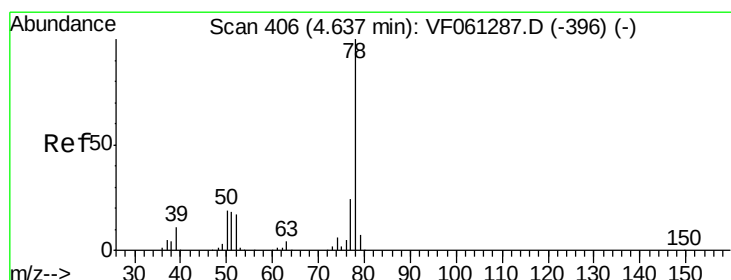
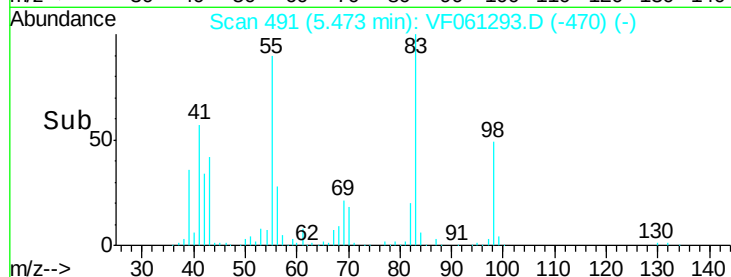
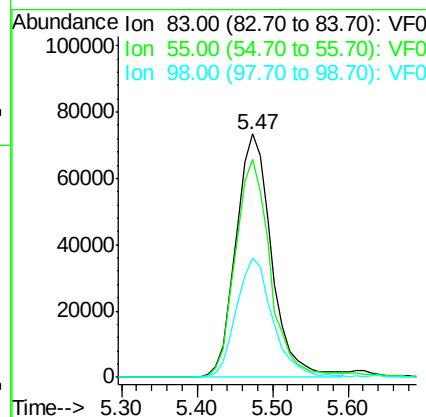
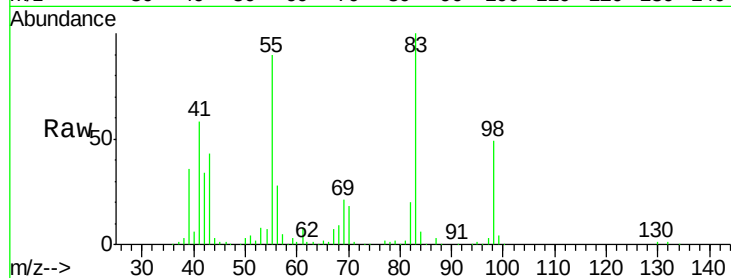
#39
Methylvlcyclohexane
Concen: 54.237 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	240101		
55	89.7	66.4	99.6	
98	48.9	39.1	58.7	

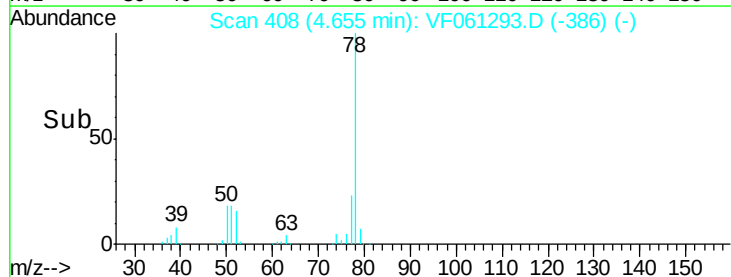
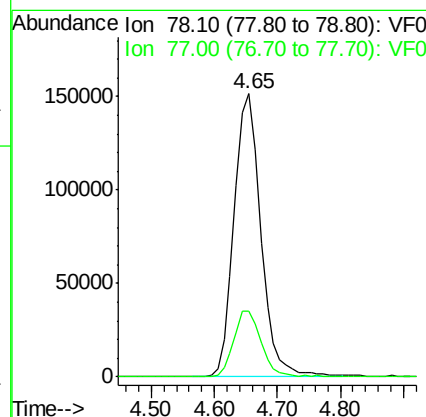
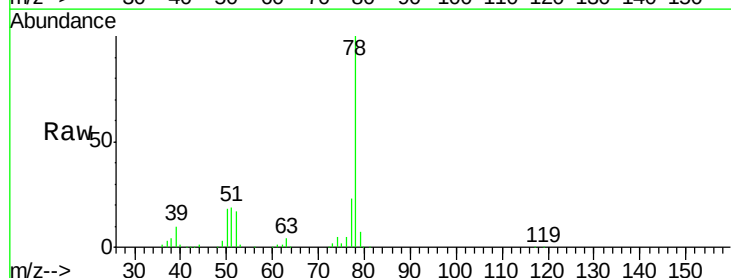
Manual Integrations
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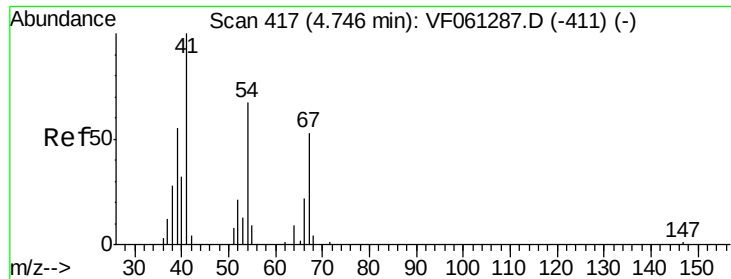
MMDadoda
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#40
Benzene
Concen: 54.183 ug/l
RT: 4.65 min Scan# 408
Delta R.T. 0.02 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	447552		
77	23.1	19.1	28.7	





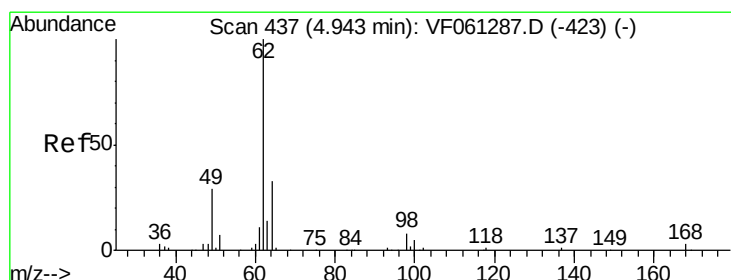
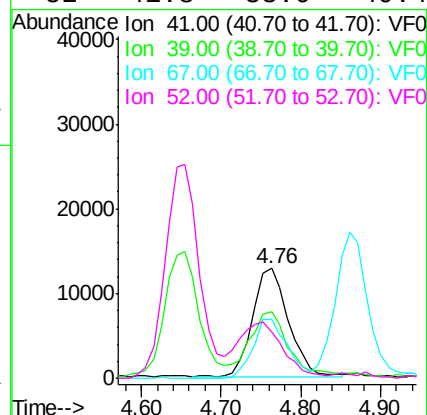
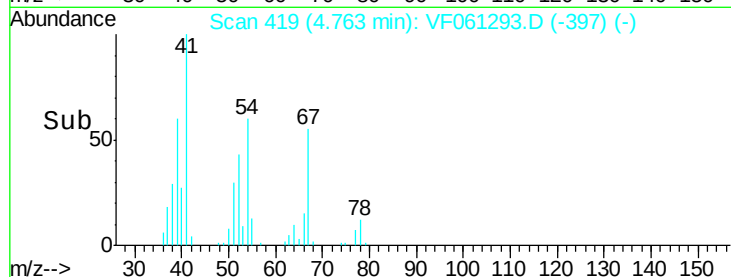
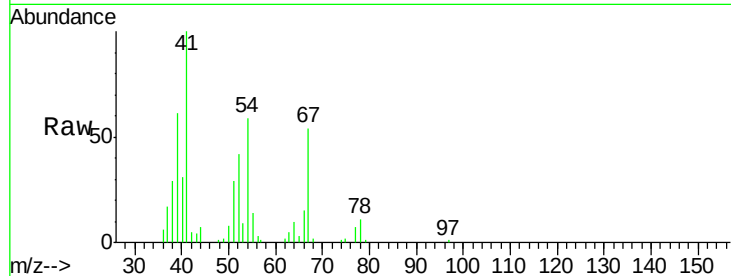
#41
Methacrylonitrile
Concen: 55.028 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.02 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	39592
Ion Ratio	Lower	Upper	
41	100		
39	60.7	52.7	79.1
67	54.1	41.4	62.2
52	41.8	33.0	49.4

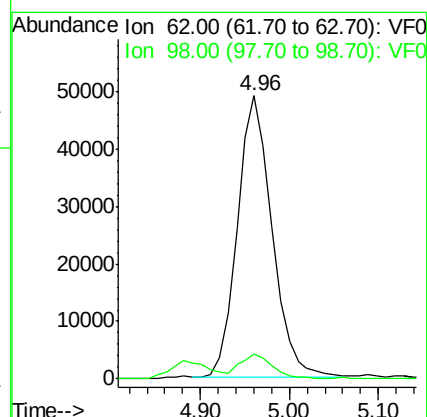
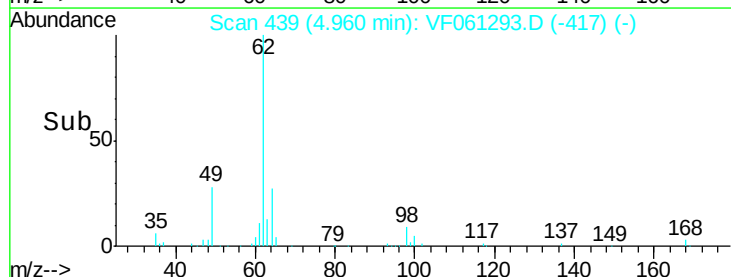
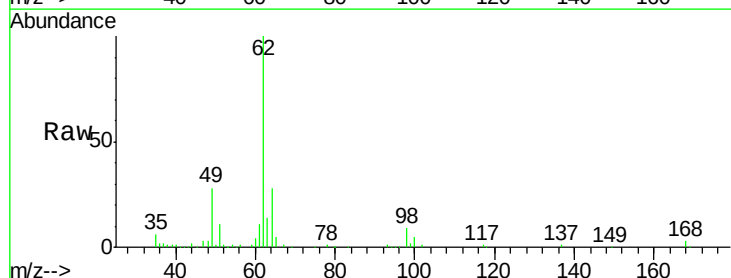
Manual Integrations
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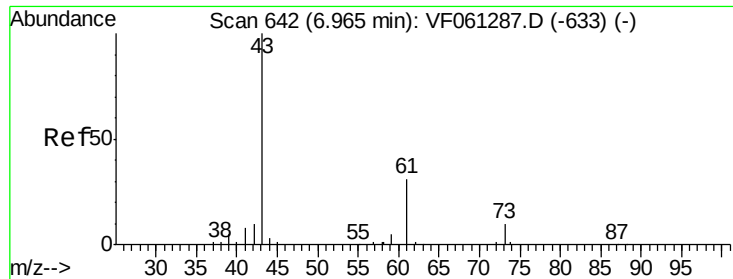
MMDadoda
1/10/2019 2:02:32 PM



#42
1,2-Dichloroethane
Concen: 51.423 ug/l
RT: 4.96 min Scan# 439
Delta R.T. 0.02 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion:	62	Resp:	132241
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	16.8





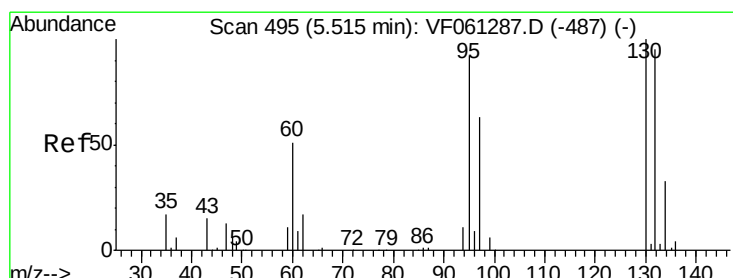
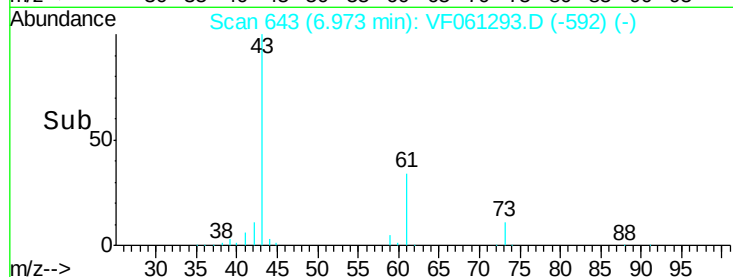
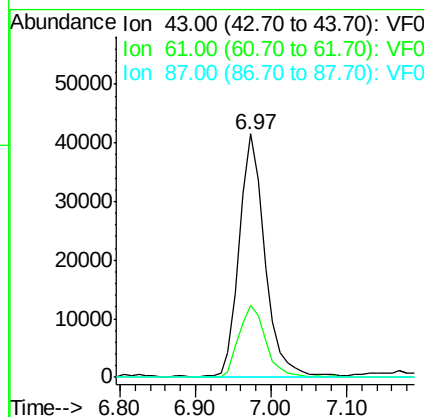
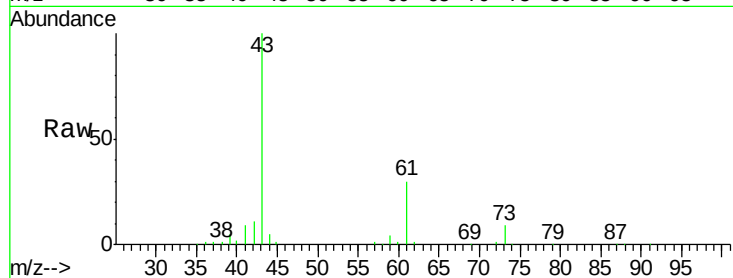
#43
Isopropyl Acetate
Concen: 57.101 ug/l
RT: 6.97 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	97129
Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.3	36.5
87	0.3	0.2	0.4

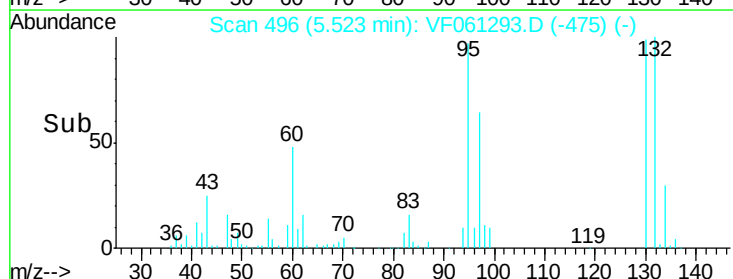
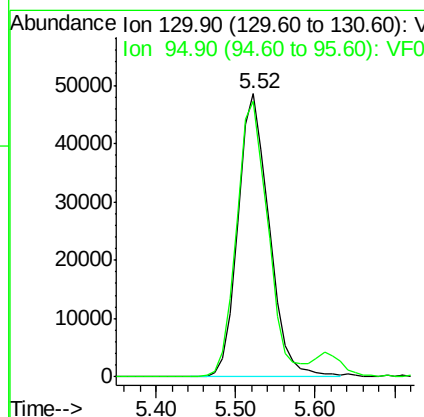
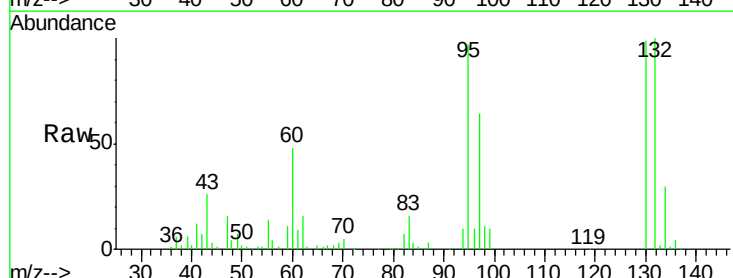
Manual Integrations
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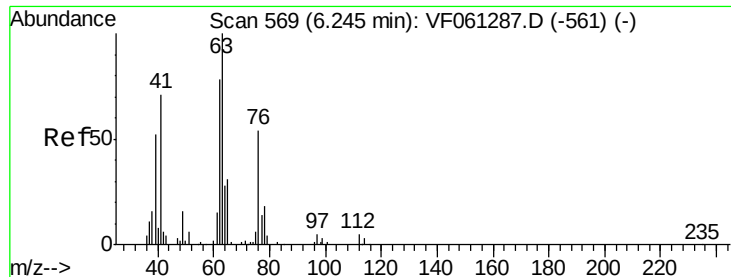
MMDadoda
1/10/2019 2:02:32 PM



#44
Trichloroethene
Concen: 54.506 ug/l
RT: 5.52 min Scan# 496
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion:	130	Resp:	131759
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	184.4





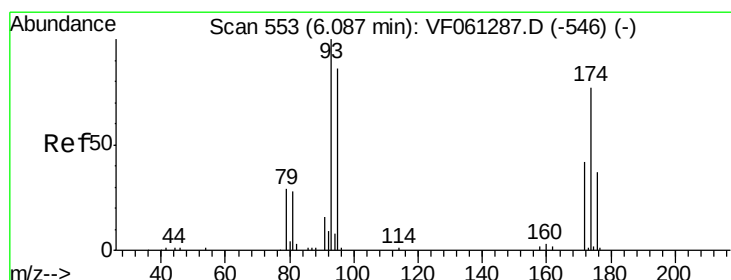
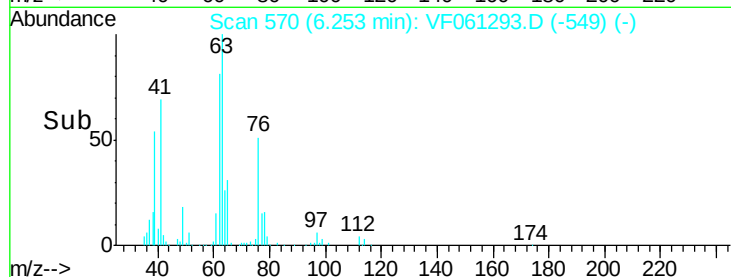
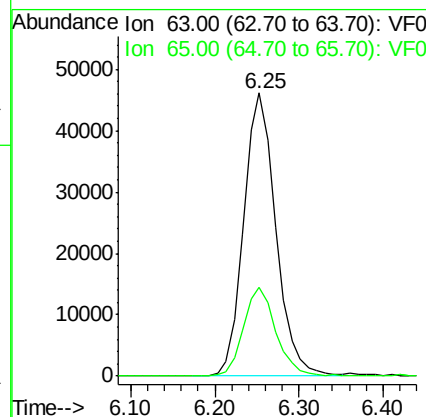
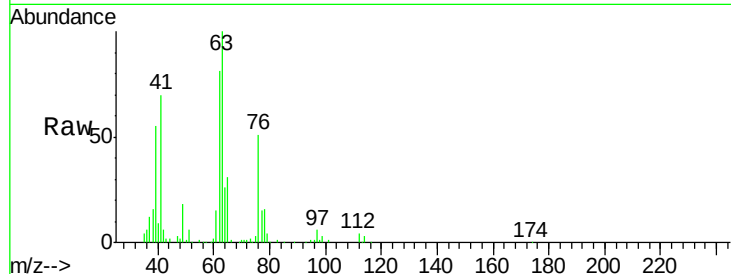
#45
 1,2-Dichloropropane
 Concen: 58.818 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.1	37.7

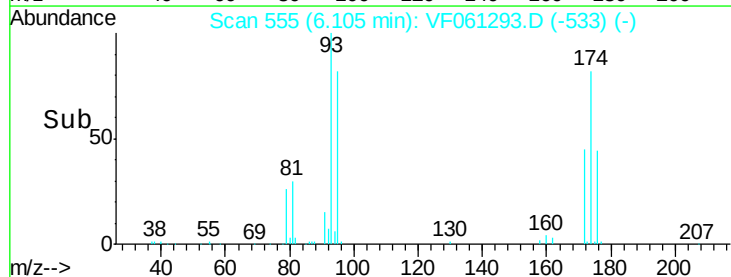
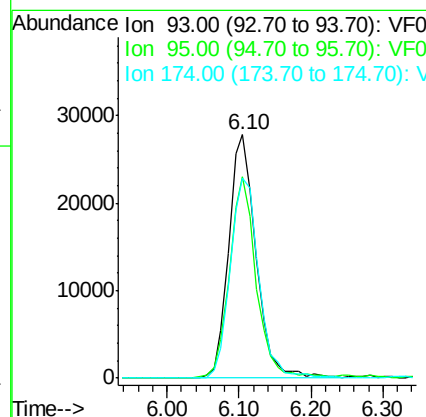
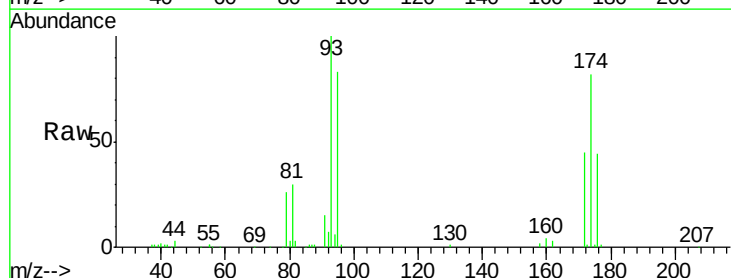
Manual Integrations
 APPROVED

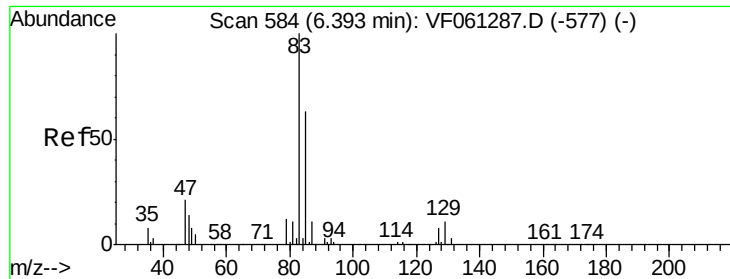
MMDadoda
 1/10/2019 2:02:32 PM



#46
 Dibromomethane
 Concen: 56.912 ug/l
 RT: 6.10 min Scan# 555
 Delta R.T. 0.02 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	68.8	103.2
174	82.3	62.9	94.3





#47

Bromodichloromethane

Concen: 56.727 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

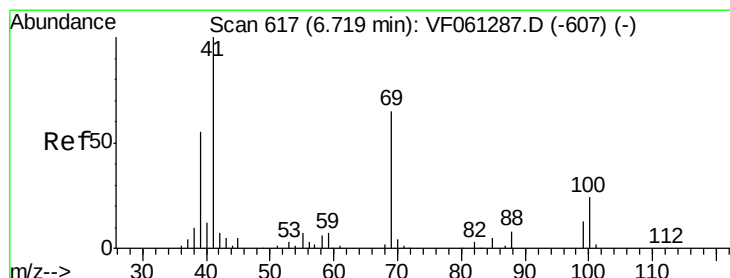
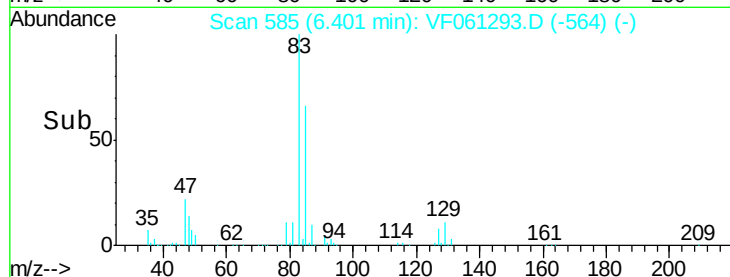
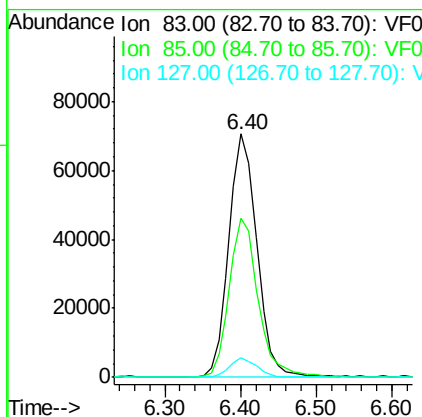
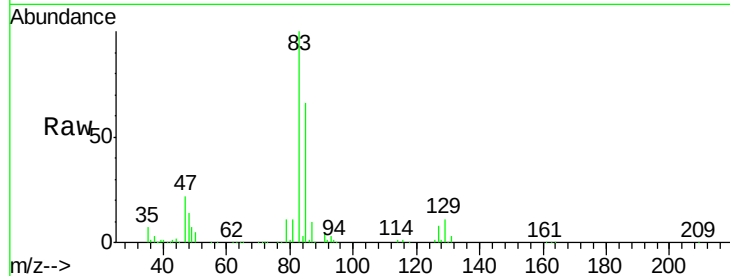
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	181950
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.4	75.6
127	7.9	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
1/10/2019 2:02:32 PM



#48

Methyl methacrylate

Concen: 56.178 ug/l

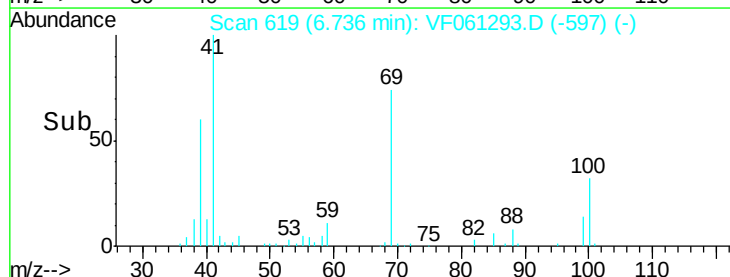
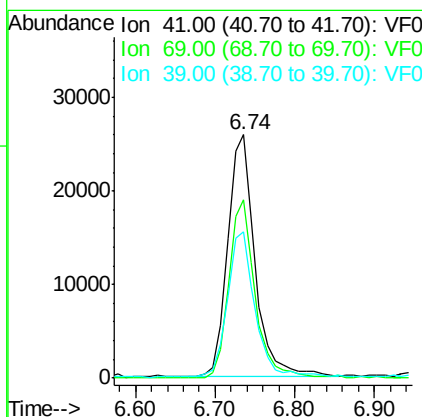
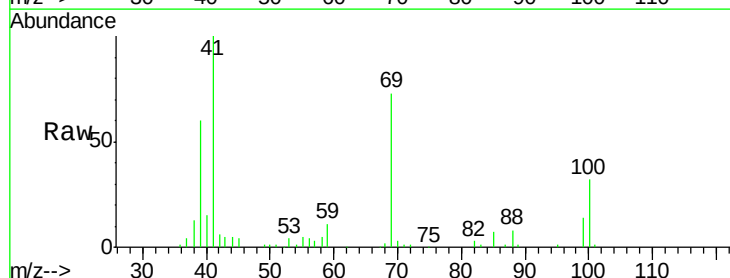
RT: 6.74 min Scan# 619

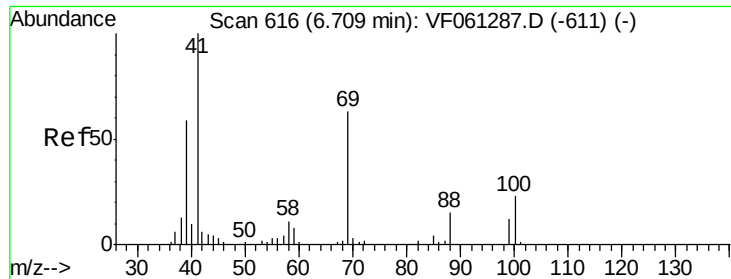
Delta R.T. 0.02 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Tgt Ion:	41	Resp:	62026
Ion	Ratio	Lower	Upper
41	100		
69	73.0	51.5	77.3
39	60.3	44.1	66.1





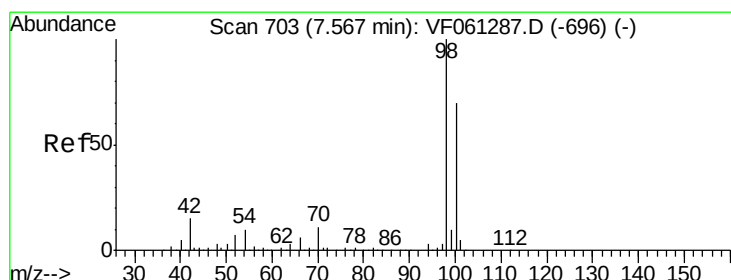
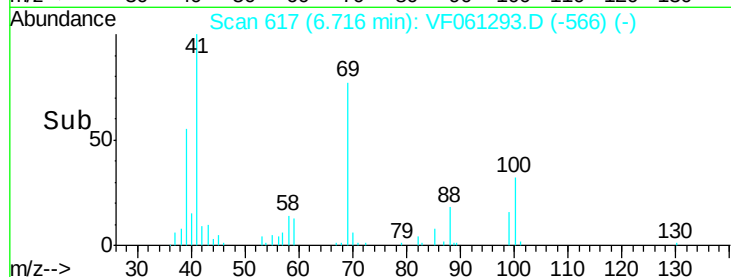
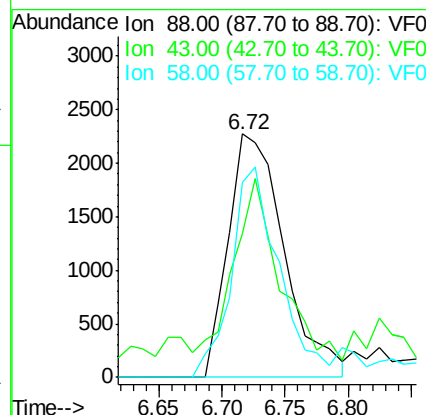
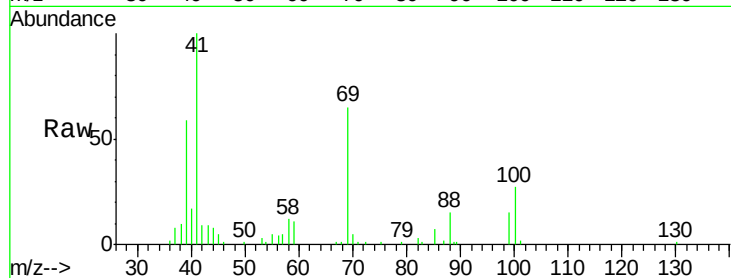
#49
1,4-Dioxane
Concen: 1005.206 ug/l
RT: 6.72 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	58.8	38.5	57.7#
58	79.9	57.0	85.4

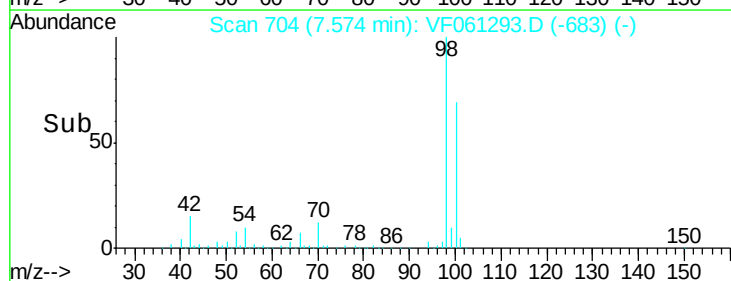
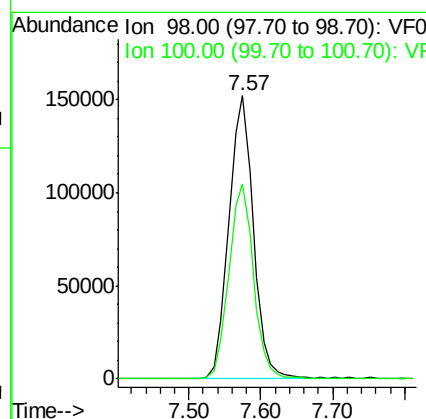
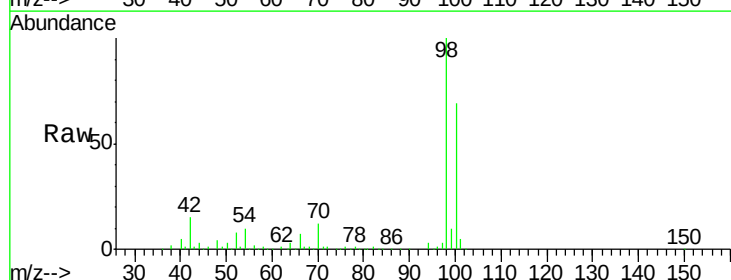
Manual Integrations
APPROVED

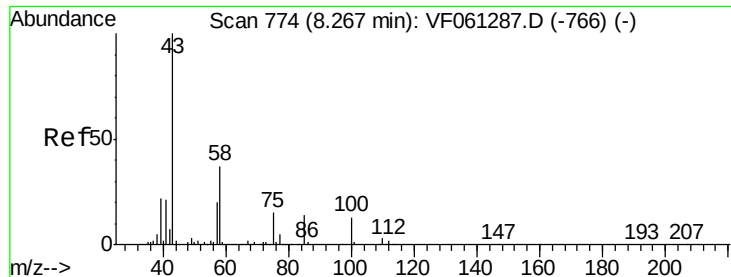
MMDadoda
1/10/2019 2:02:32 PM



#50
Toluene-d8
Concen: 52.517 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.8	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 271.220 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 348221

Ion Ratio Lower Upper

43 100

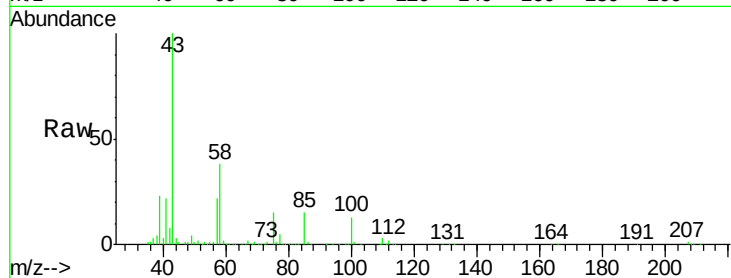
58 37.8 29.6 44.4

Manual Integrations

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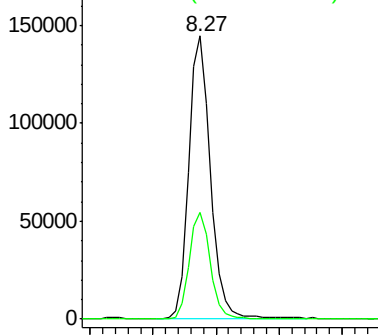
MMDadoda

1/10/2019 2:02:32 PM

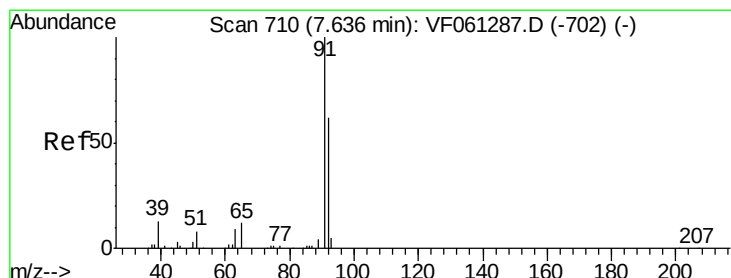
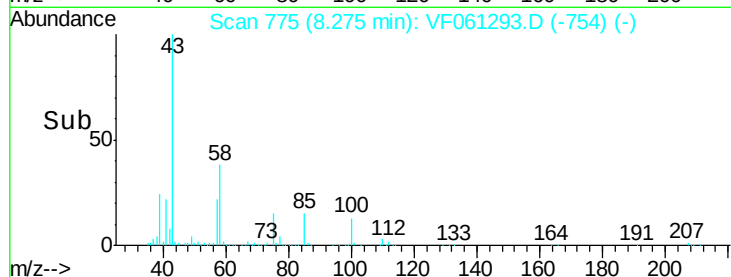


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time--> 8.10 8.20 8.30 8.40 8.50



#52

Toluene

Concen: 57.188 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF061293.D

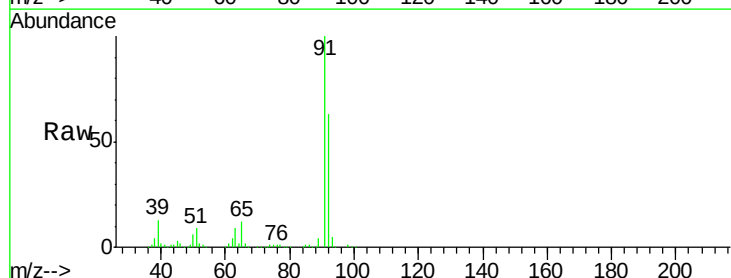
Acq: 9 Jan 2019 11:07

Tgt Ion: 92 Resp: 303619

Ion Ratio Lower Upper

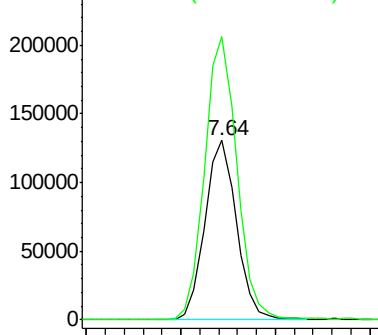
92 100

91 157.8 129.2 193.8

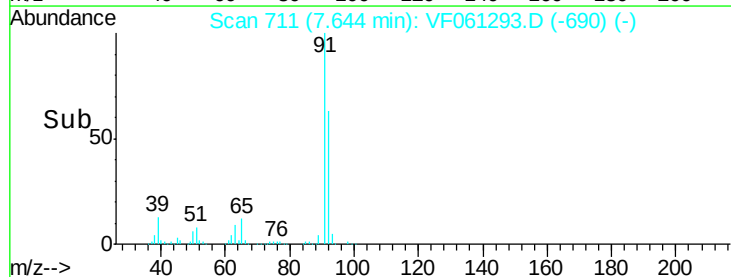


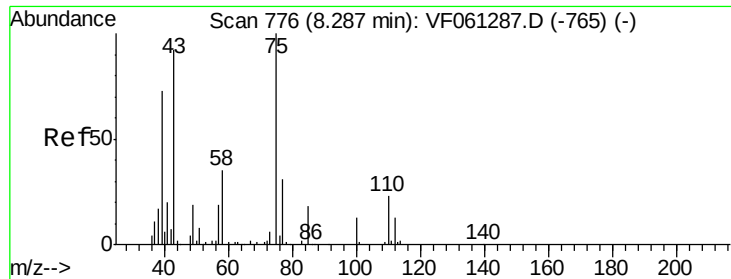
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time--> 7.50 7.60 7.70





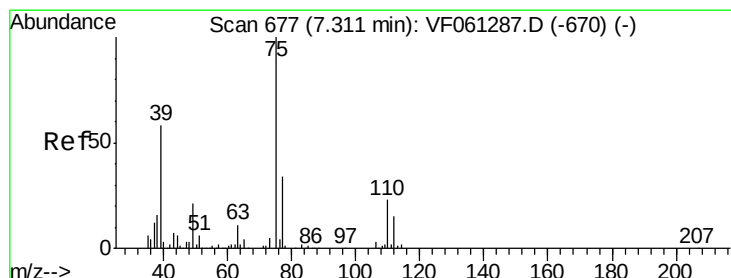
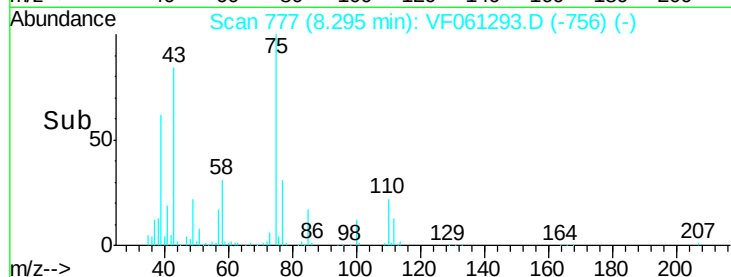
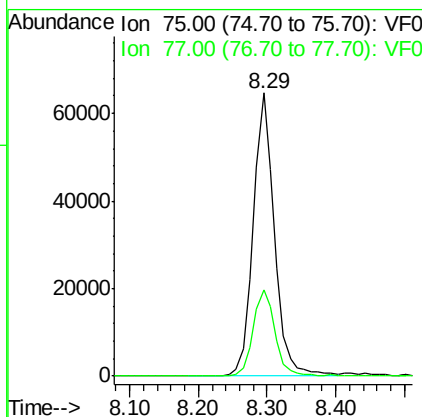
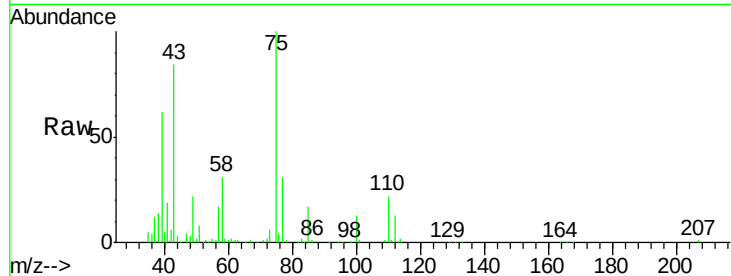
#53
 t-1,3-Dichloropropene
 Concen: 55.308 ug/l
 RT: 8.29 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 139315
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.7 37.1

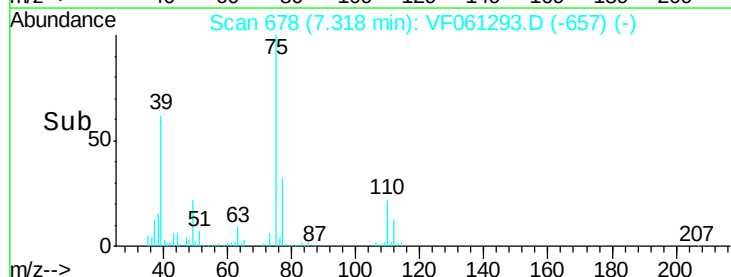
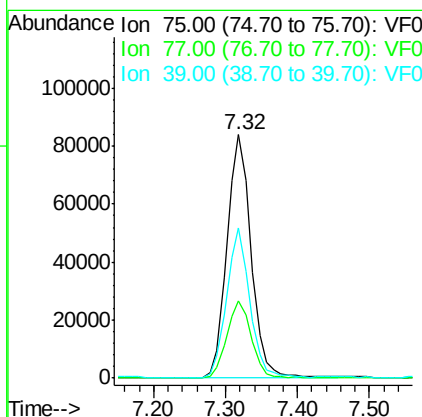
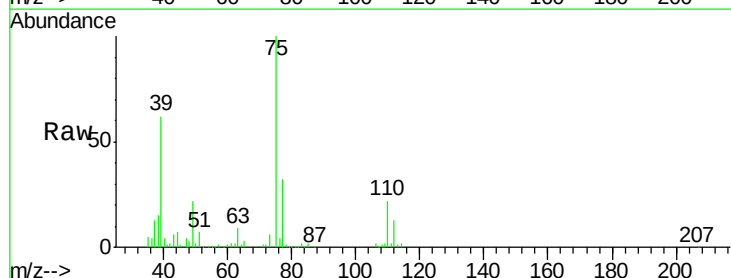
Manual Integrations
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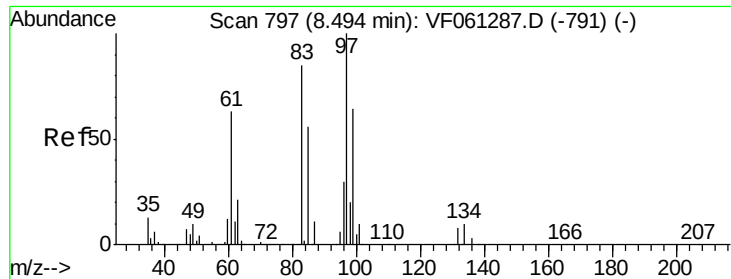
MMDadoda
 1/10/2019 2:02:32 PM



#54
 cis-1,3-Dichloropropene
 Concen: 58.963 ug/l
 RT: 7.32 min Scan# 678
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Tgt Ion: 75 Resp: 196926
 Ion Ratio Lower Upper
 75 100
 77 31.7 27.3 40.9
 39 61.9 46.3 69.5





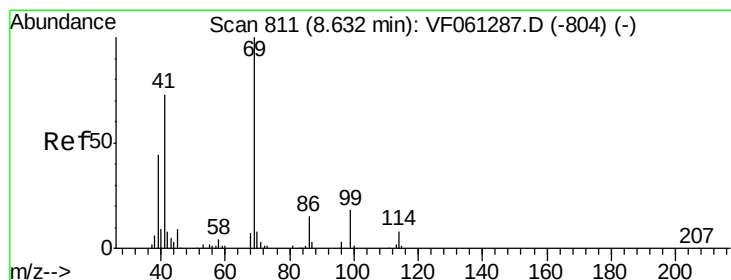
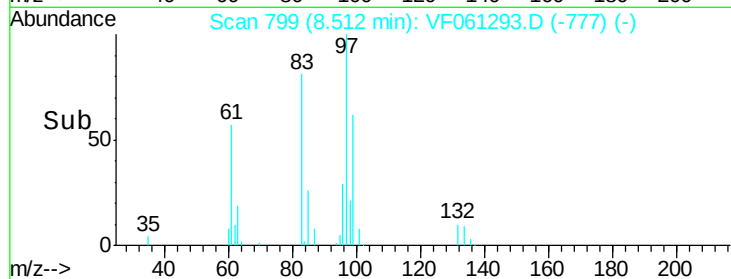
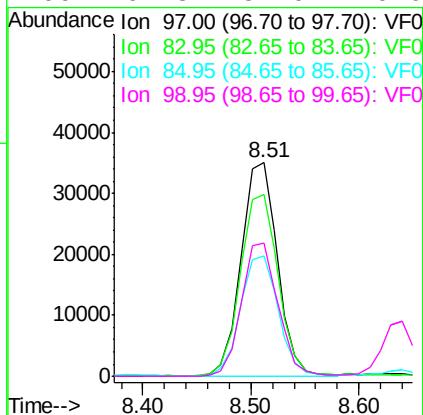
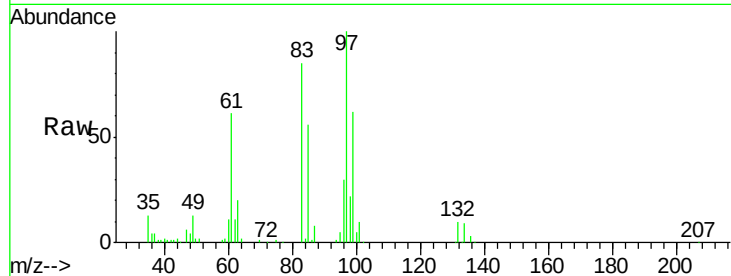
#55
 1,1,2-Trichloroethane
 Concen: 55.449 ug/l
 RT: 8.51 min Scan# 799
 Delta R.T. 0.02 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	82378
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.8	101.6
85	56.4	45.1	67.7
99	62.3	51.0	76.6

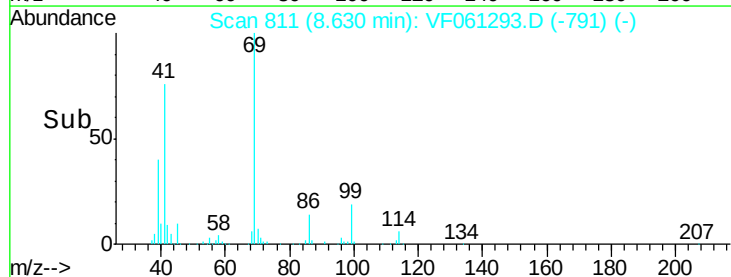
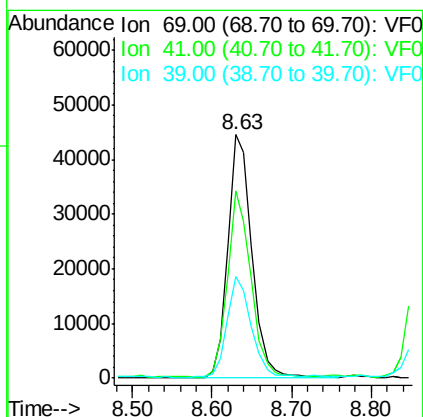
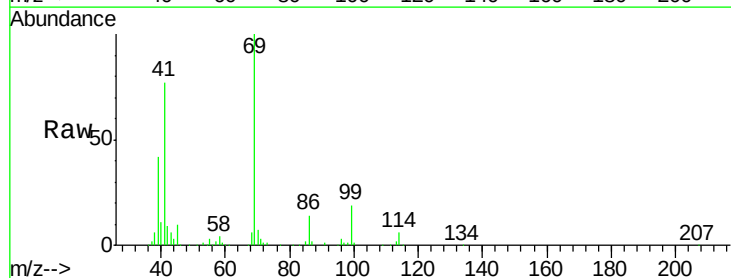
Manual Integrations
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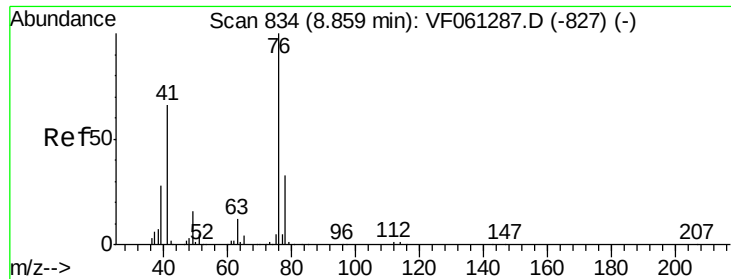
MMDadoda
 1/10/2019 2:02:32 PM



#56
 Ethyl methacrylate
 Concen: 57.575 ug/l
 RT: 8.63 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Tgt Ion:	69	Resp:	95599
Ion	Ratio	Lower	Upper
69	100		
41	76.8	59.0	88.4
39	41.7	35.3	52.9





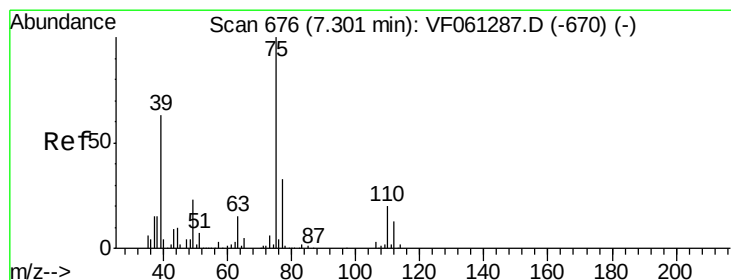
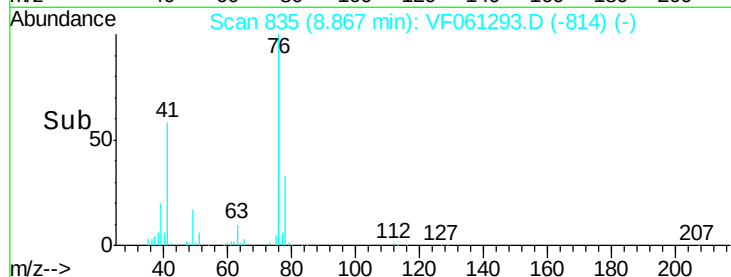
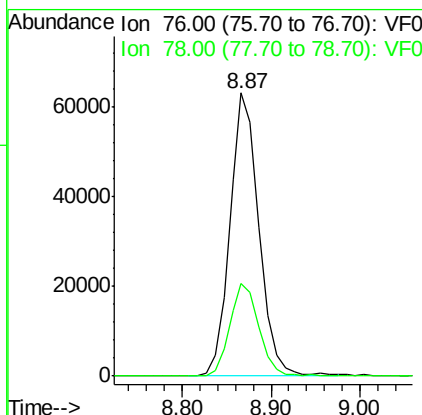
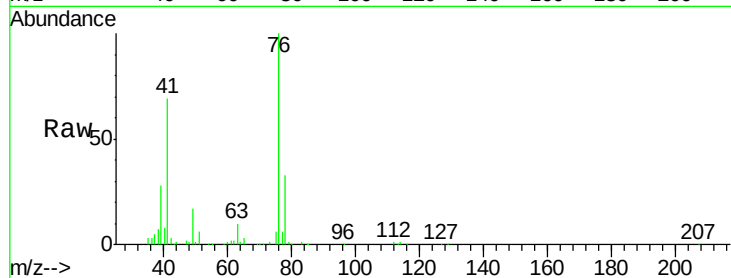
#57
 1,3-Dichloropropane
 Concen: 54.739 ug/l
 RT: 8.87 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 143923
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.8 40.2

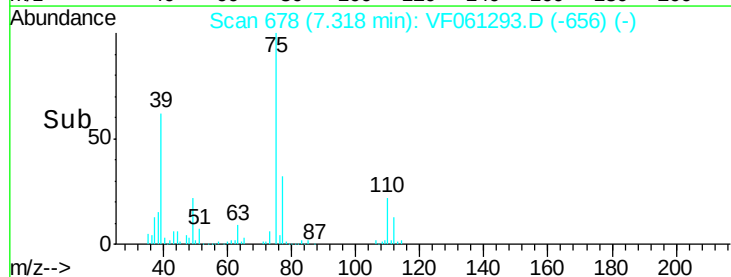
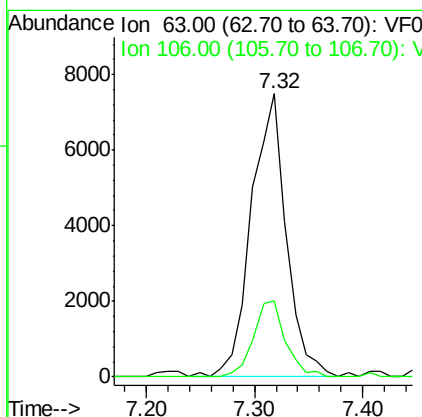
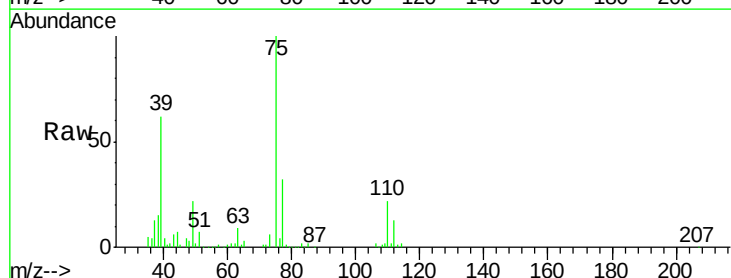
Manual Integrations
 APPROVED

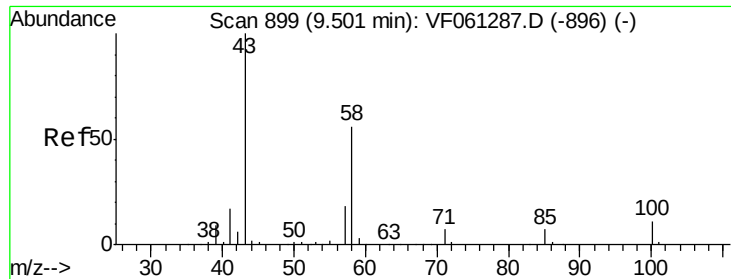
MMDadoda
 1/10/2019 2:02:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.063 ug/l
 RT: 7.32 min Scan# 678
 Delta R.T. 0.02 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Tgt Ion: 63 Resp: 16845
 Ion Ratio Lower Upper
 63 100
 106 26.8 16.5 24.7#





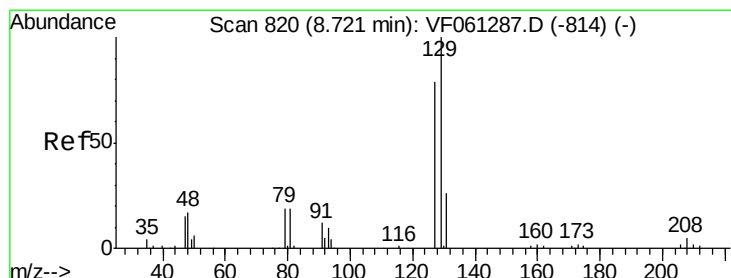
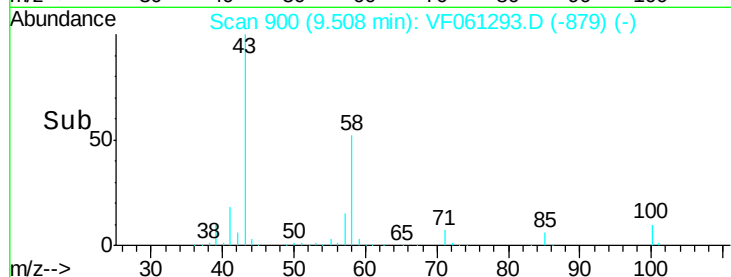
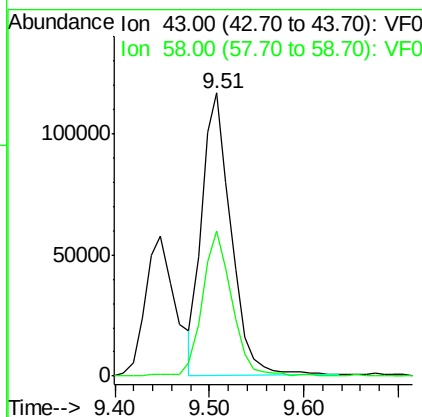
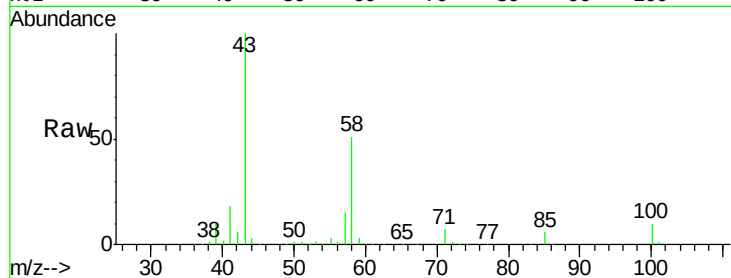
#59
2-Hexanone
Concen: 274.475 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 249658
Ion Ratio Lower Upper
43 100
58 51.4 25.6 76.8

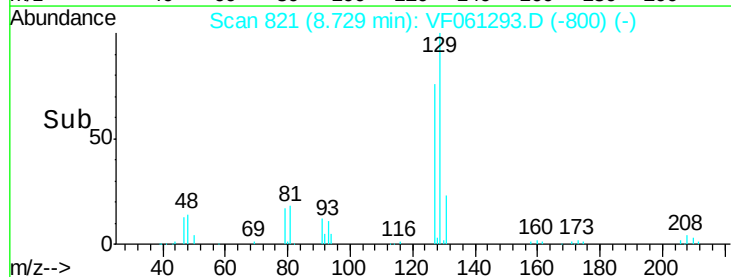
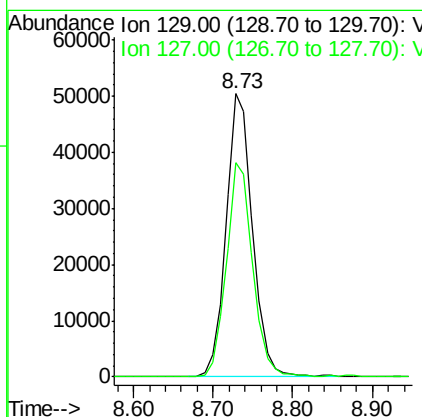
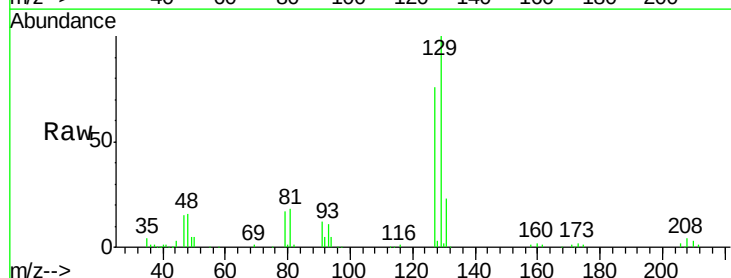
Manual Integrations
APPROVED

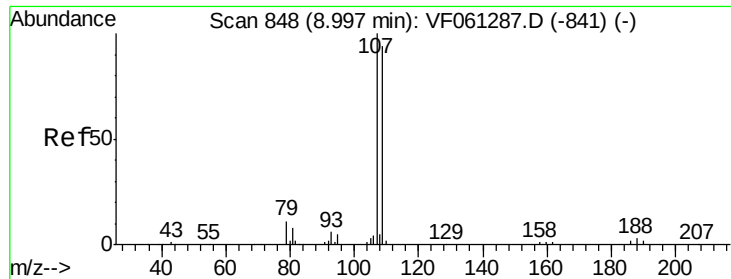
MMDadoda
1/10/2019 2:02:32 PM



#60
Dibromochloromethane
Concen: 59.408 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion: 129 Resp: 117525
Ion Ratio Lower Upper
129 100
127 75.8 39.4 118.1





#61

1,2-Dibromoethane

Concen: 53.185 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 80544

Ion Ratio Lower Upper

107 100

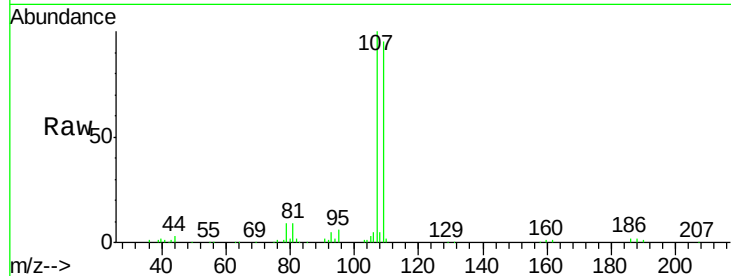
109 95.1 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

1/10/2019 2:02:32 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.00

40000

30000

20000

10000

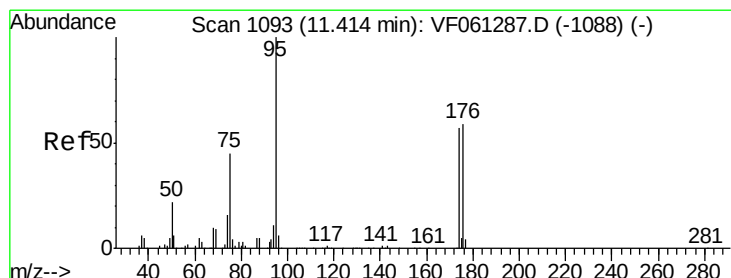
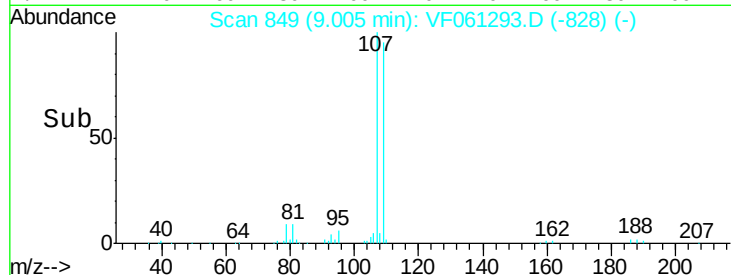
0

8.90

9.00

9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 52.166 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

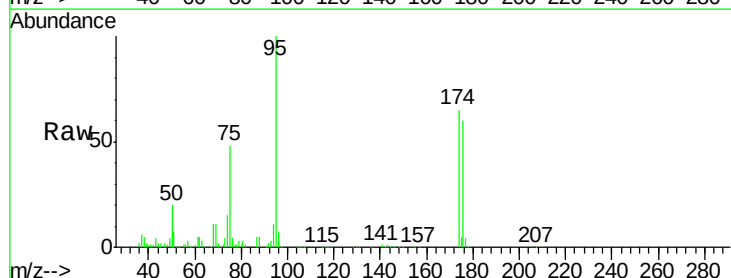
Tgt Ion: 95 Resp: 156269

Ion Ratio Lower Upper

95 100

174 65.4 0.0 114.2

176 60.5 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

120000

100000

80000

60000

40000

20000

0

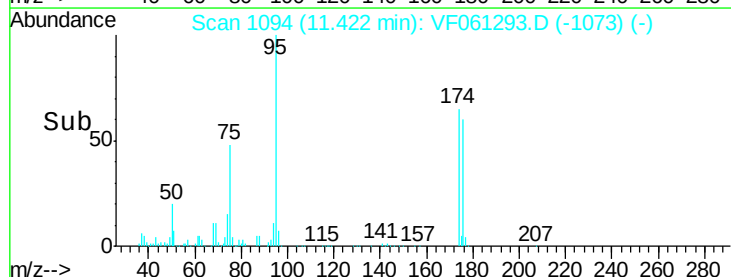
11.30

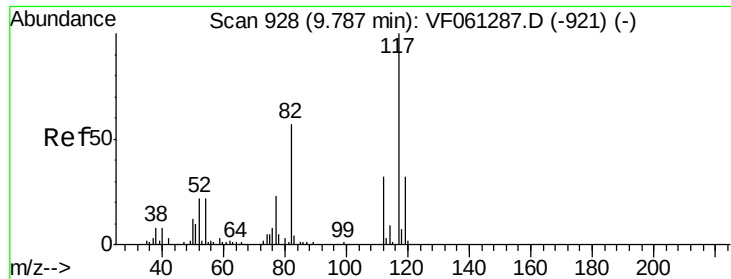
11.40

11.50

11.60

Time-->





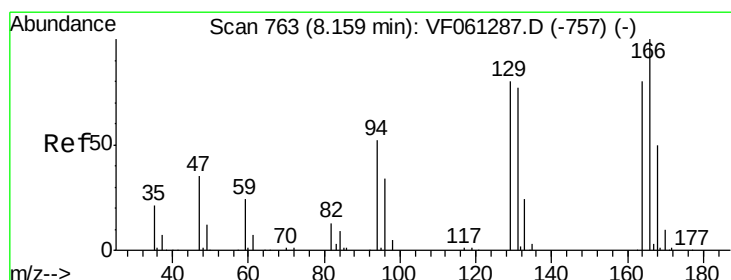
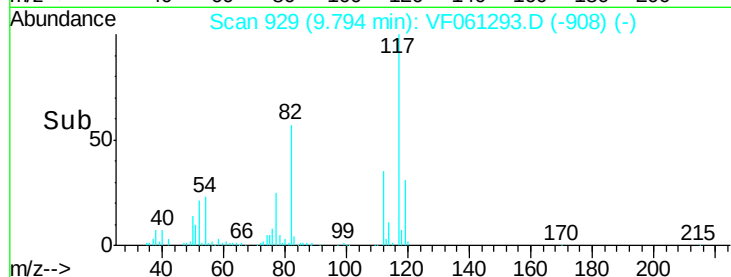
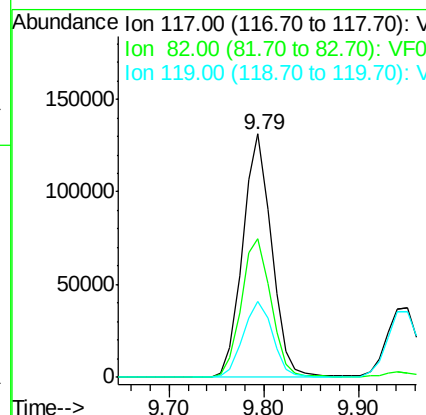
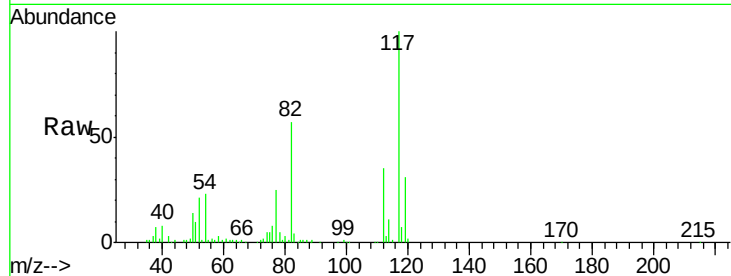
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	279052		
82	56.8		45.3	67.9
119	31.2		25.4	38.0

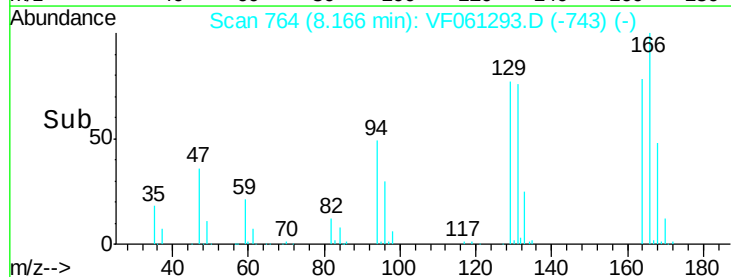
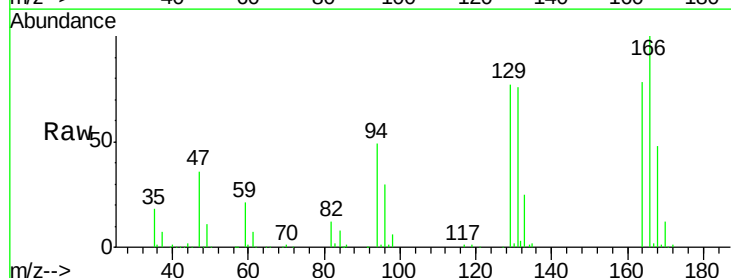
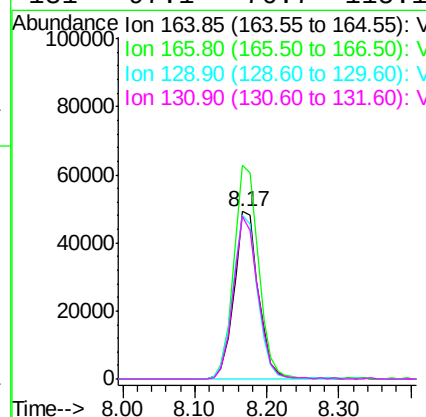
Manual Integrations
APPROVED

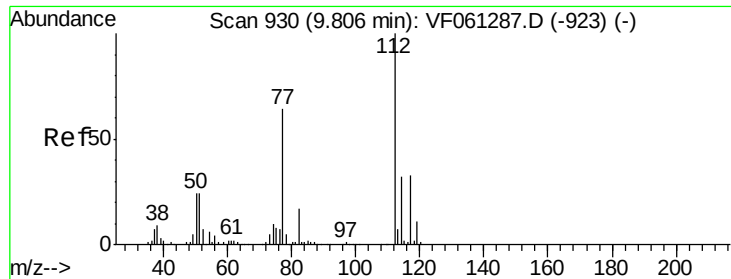
MMDadoda
1/10/2019 2:02:32 PM



#64
Tetrachloroethene
Concen: 57.163 ug/l
RT: 8.17 min Scan# 764
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116141		
166	127.8		100.1	150.1
129	98.4		80.1	120.1
131	97.1		76.7	115.1





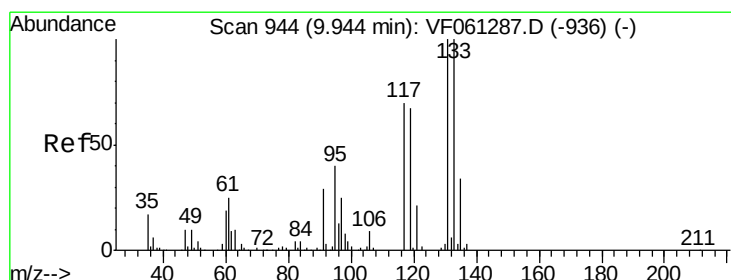
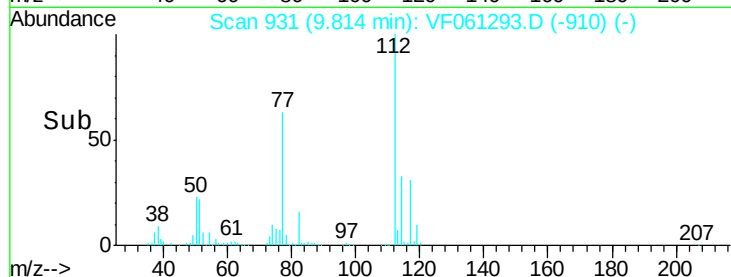
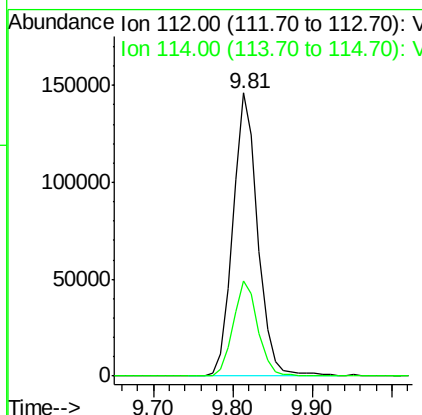
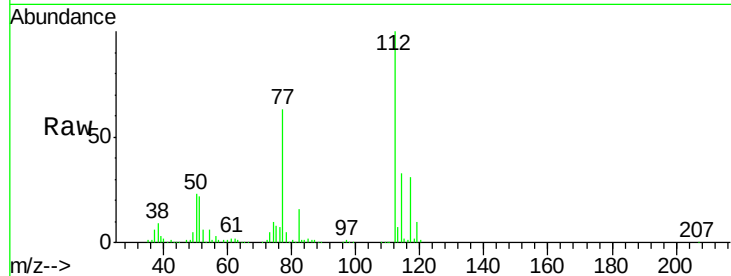
#65
Chlorobenzene
Concen: 56.488 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	318313		
114	33.5	25.8	38.8	

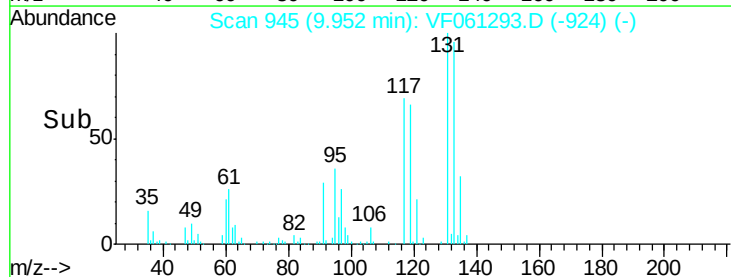
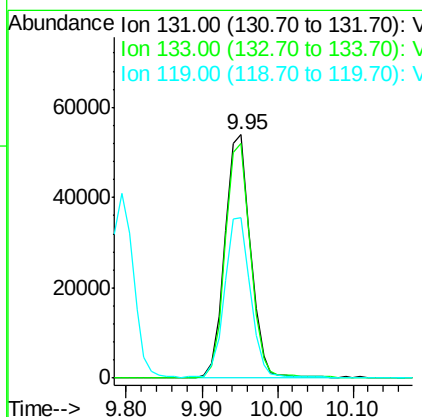
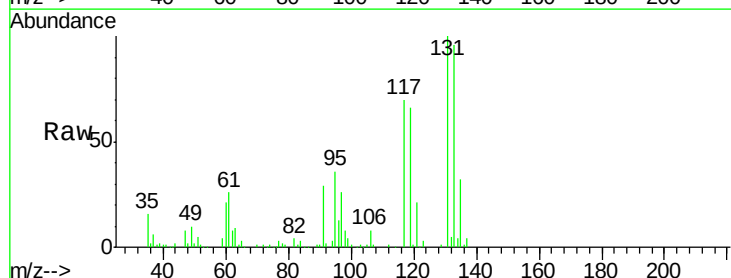
Manual Integrations
APPROVED

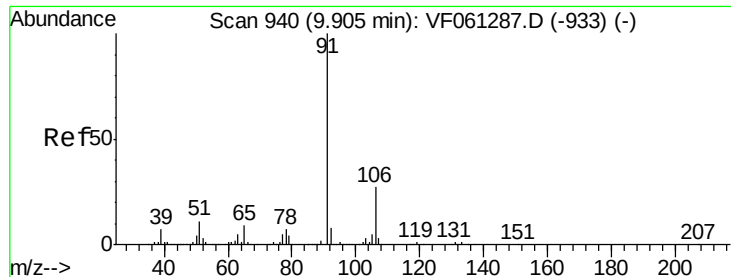
MMDadoda
1/10/2019 2:02:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.926 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	126292		
133	96.4	49.9	149.6	
119	66.1	33.9	101.6	





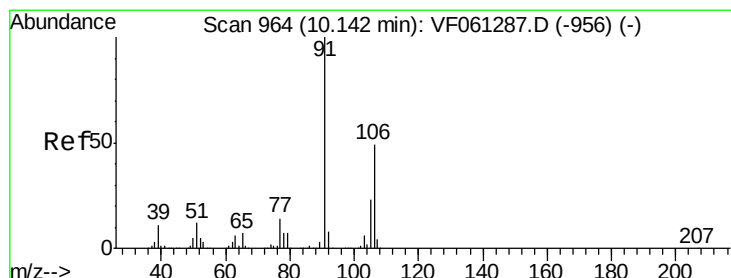
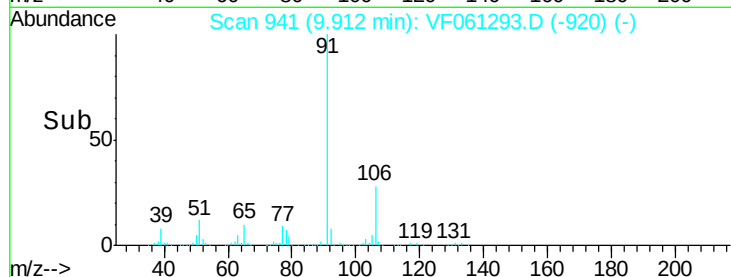
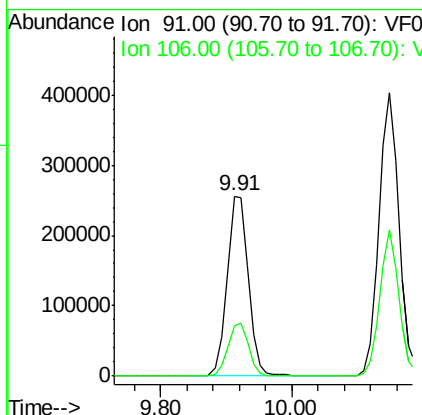
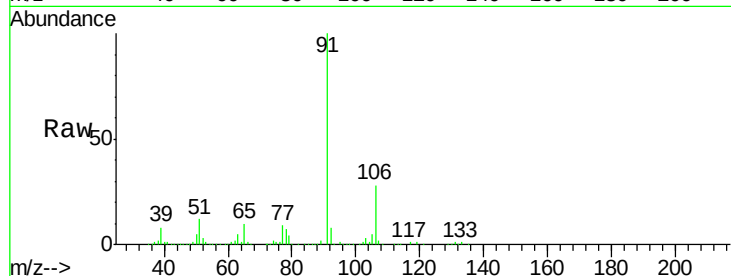
#67
Ethyl Benzene
Concen: 53.609 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 582460
Ion Ratio Lower Upper
91 100
106 28.0 21.4 32.2

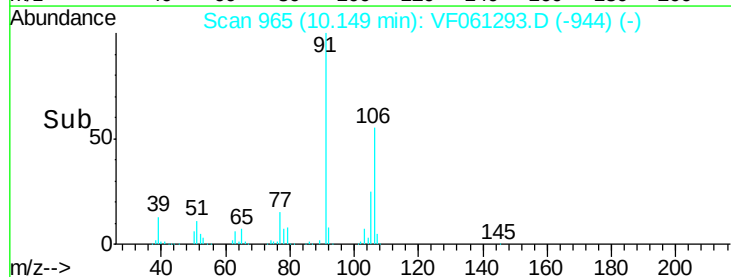
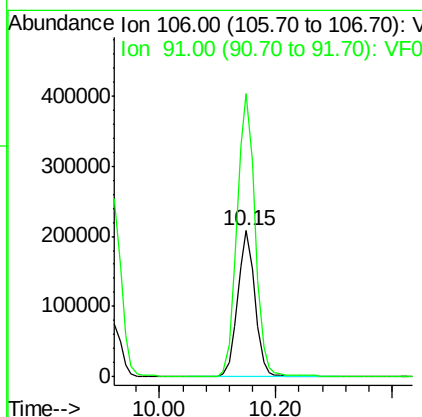
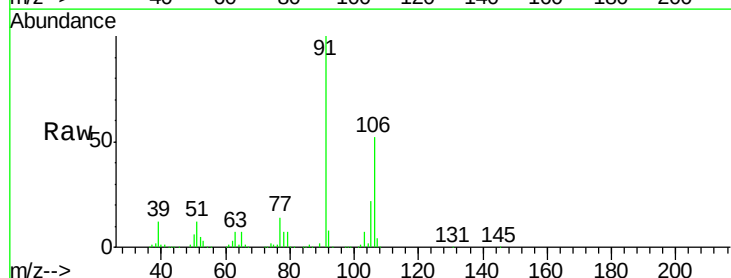
Manual Integrations
APPROVED

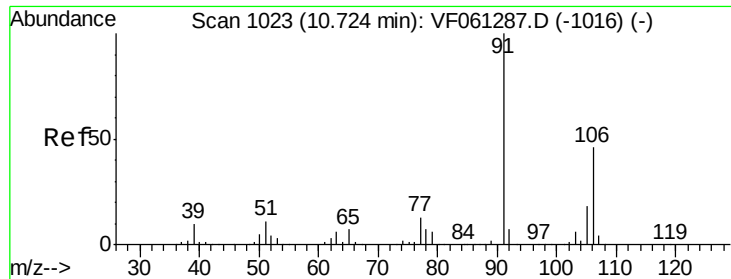
MMDadoda
1/10/2019 2:02:32 PM



#68
m/p-Xylenes
Concen: 113.277 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion: 106 Resp: 429306
Ion Ratio Lower Upper
106 100
91 194.0 165.0 247.6





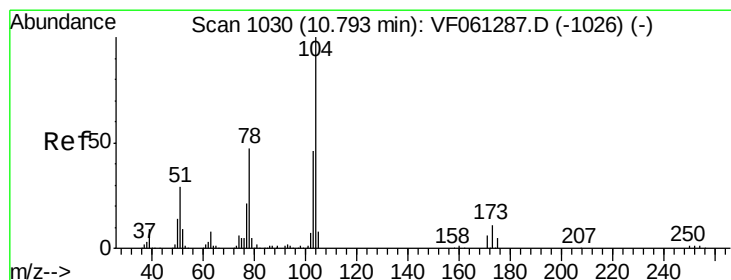
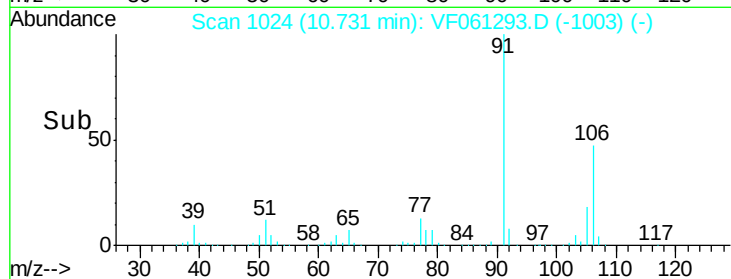
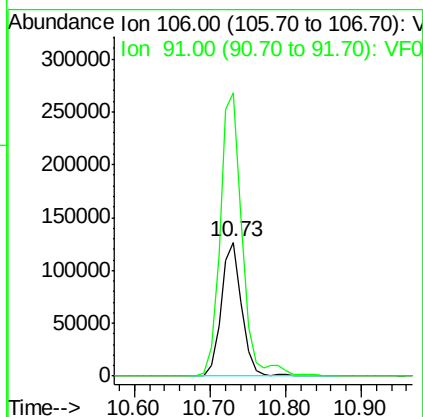
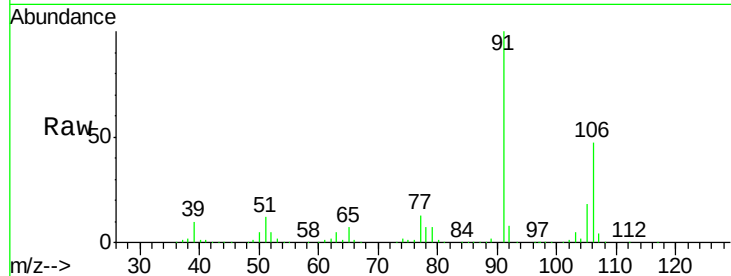
#69
o-Xylene
Concen: 55.944 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 236841
Ion Ratio Lower Upper
106 100
91 211.8 108.1 324.4

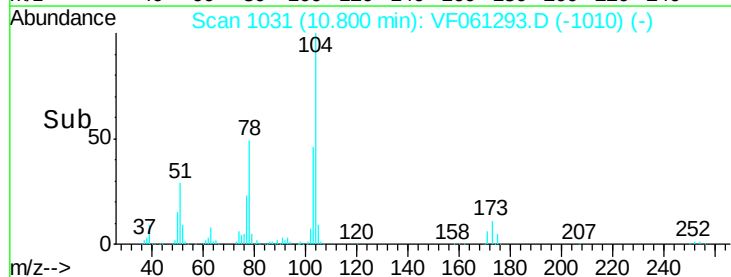
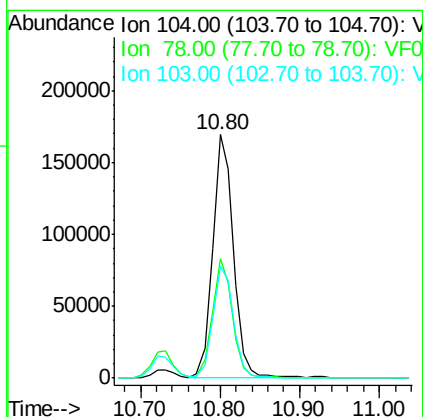
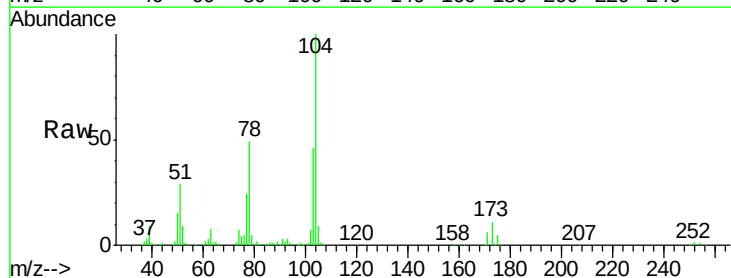
Manual Integrations
APPROVED

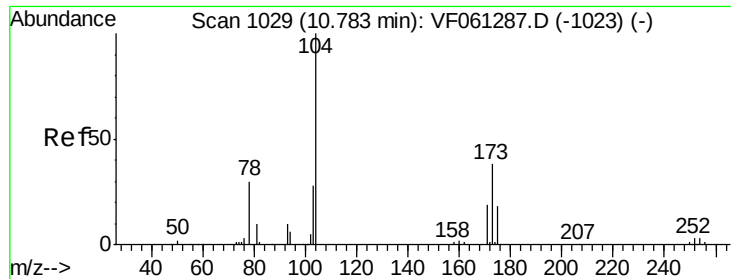
MMDadoda
1/10/2019 2:02:32 PM



#70
Styrene
Concen: 55.004 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion:104 Resp: 310215
Ion Ratio Lower Upper
104 100
78 49.0 38.0 57.0
103 46.0 36.7 55.1





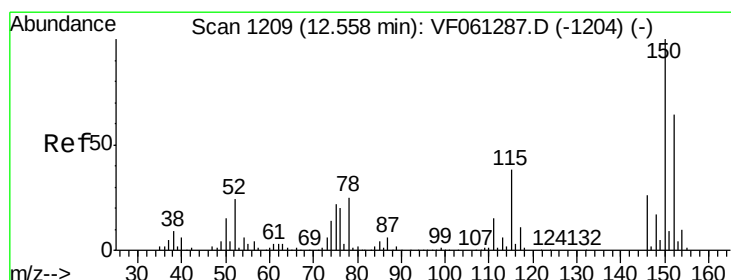
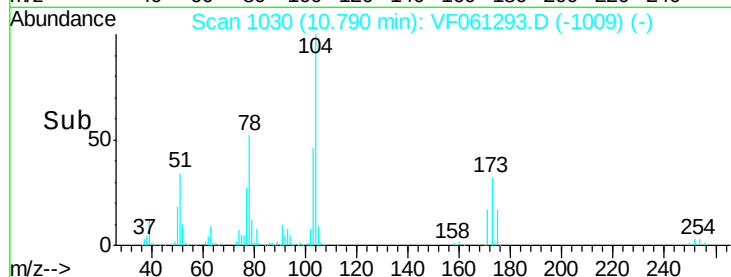
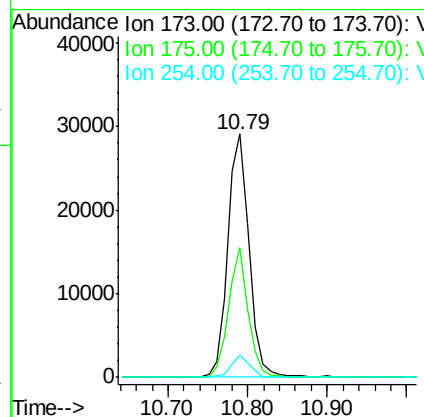
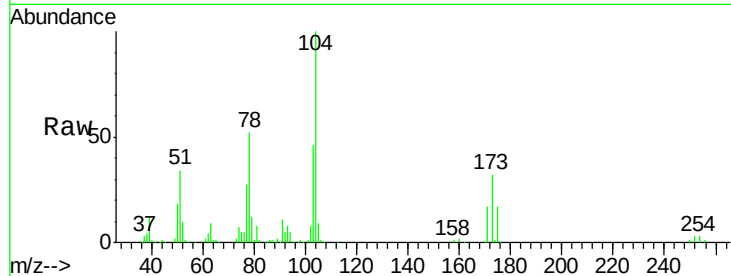
#71
Bromoform
Concen: 58.792 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 55246
Ion Ratio Lower Upper
173 100
175 53.4 24.1 72.2
254 9.2 0.0 0.0#

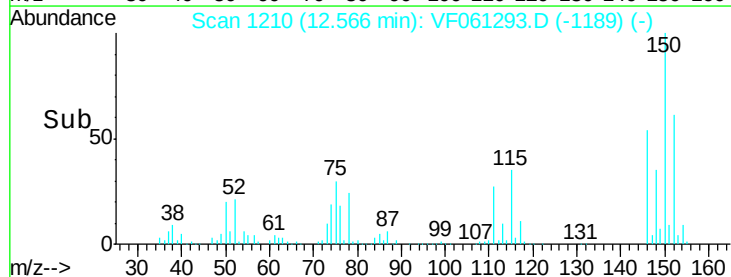
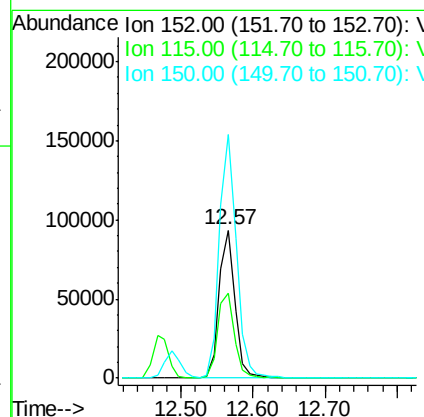
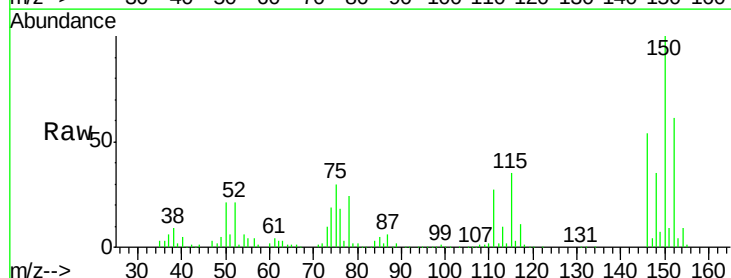
Manual Integrations
APPROVED

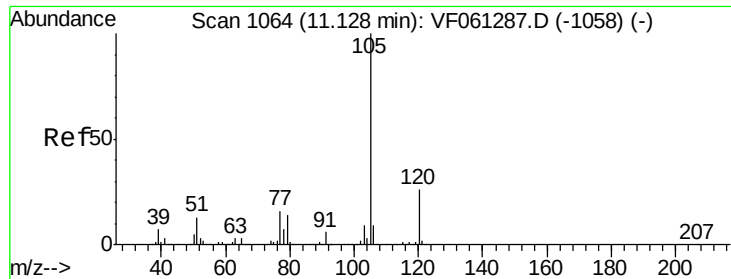
MMDadoda
1/10/2019 2:02:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion:152 Resp: 140418
Ion Ratio Lower Upper
152 100
115 57.3 29.6 88.9
150 164.7 0.0 315.4





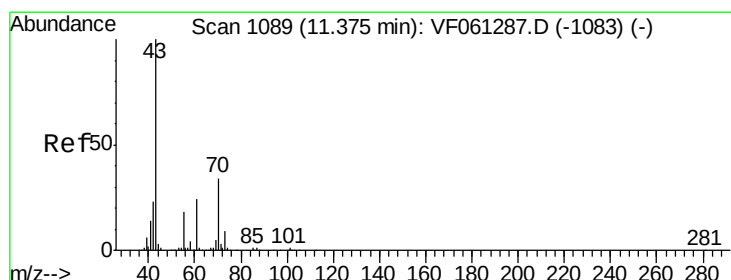
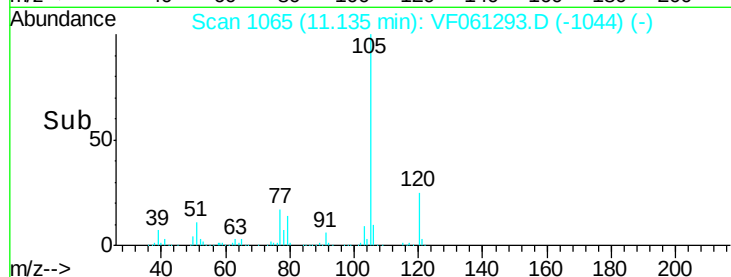
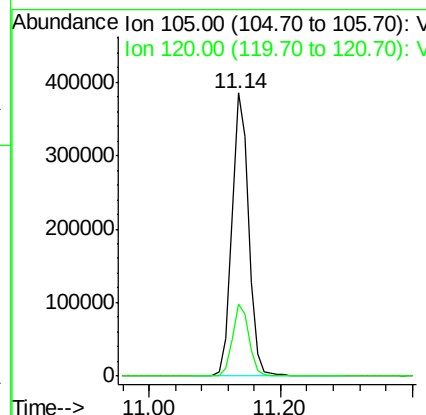
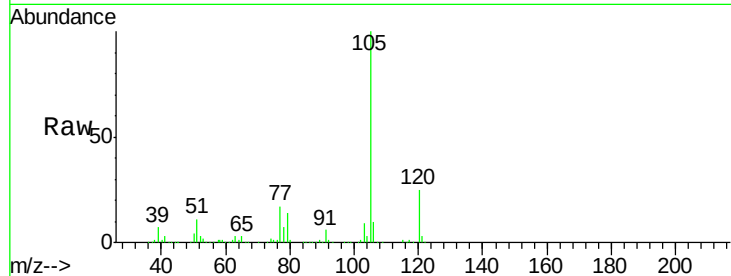
#73
Isopropylbenzene
Concen: 55.874 ug/l
RT: 11.14 min Scan# 1065
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.9	38.7

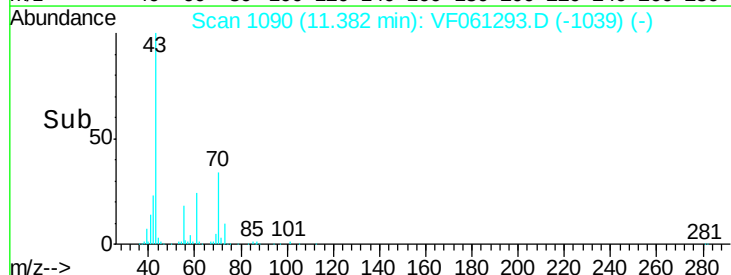
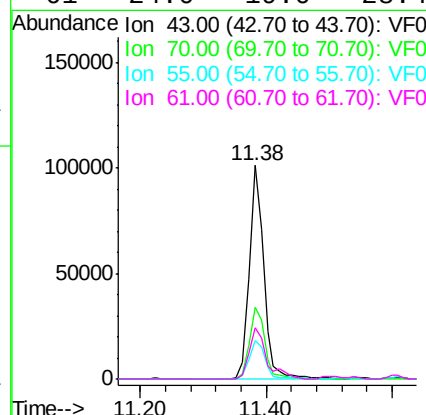
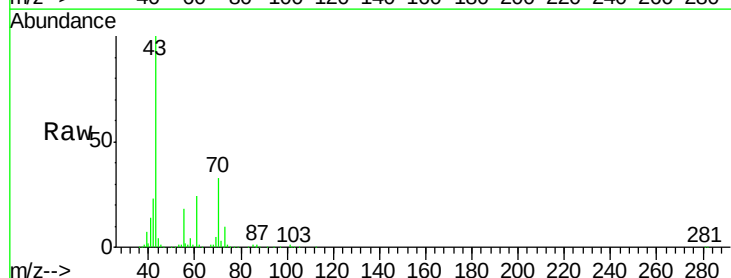
Manual Integrations
APPROVED

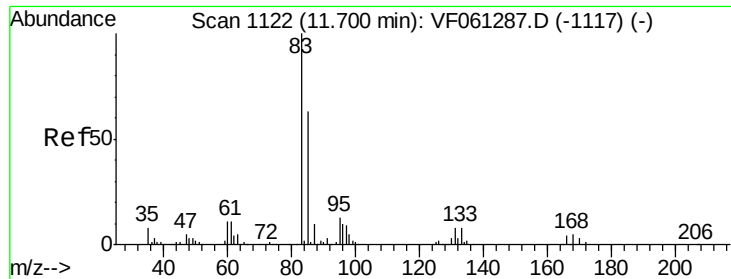
MMDadoda
1/10/2019 2:02:32 PM



#74
N-ethyl acetate
Concen: 56.673 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	33.5	27.4	41.0
55	17.9	14.7	22.1
61	24.0	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.662 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

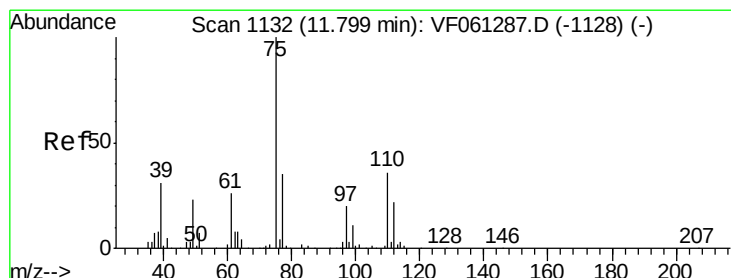
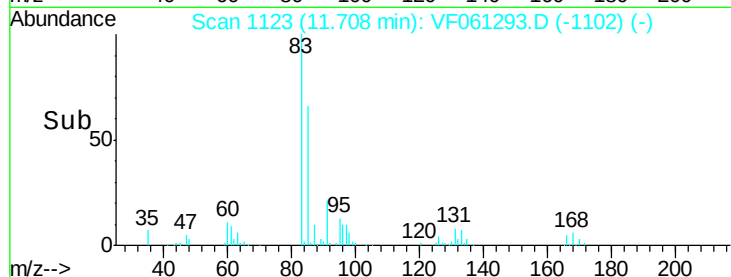
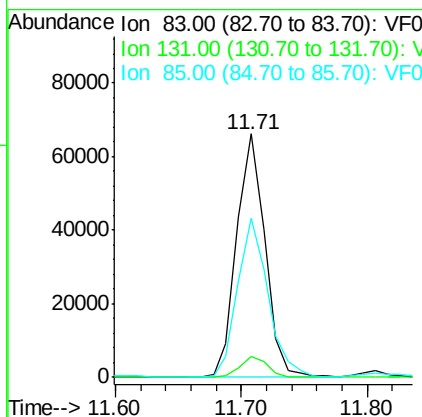
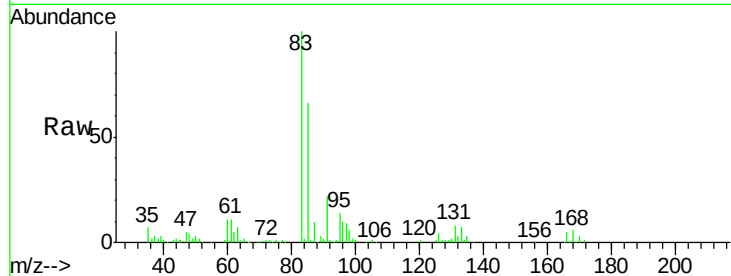
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	103172
Ion Ratio	Lower	Upper	
83	100		
131	8.4	3.9	11.7
85	65.6	31.6	94.7

Manual Integrations
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1/10/2019 2:02:32 PM



#76

1,2,3-Trichloropropane

Concen: 54.528 ug/l

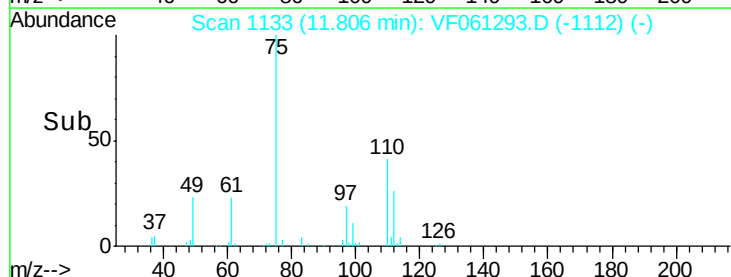
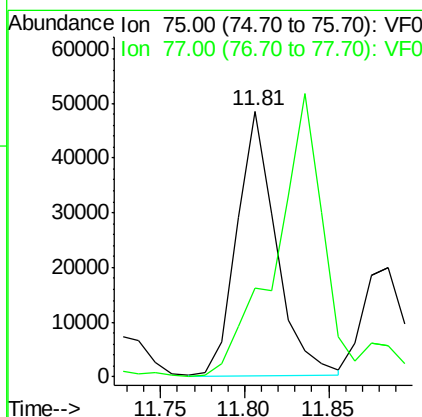
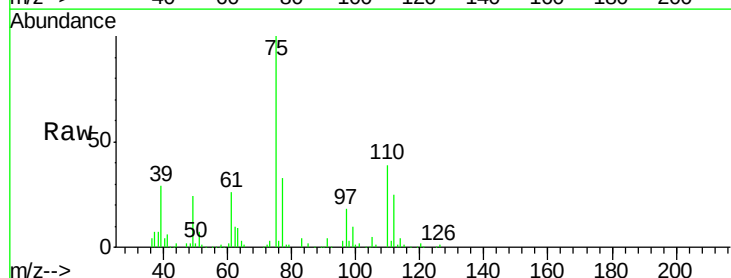
RT: 11.81 min Scan# 1133

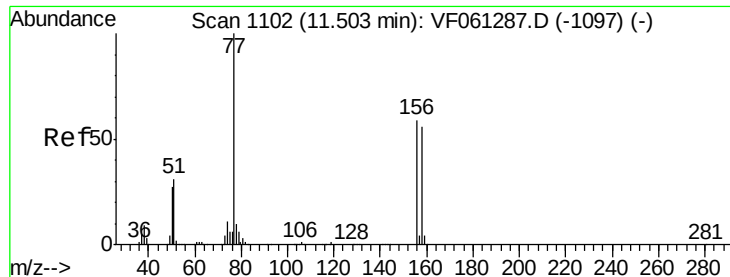
Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Tgt Ion:	75	Resp:	78351
Ion Ratio	Lower	Upper	
75	100		
77	33.3	17.5	52.5





#77

Bromobenzene

Concen: 55.939 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

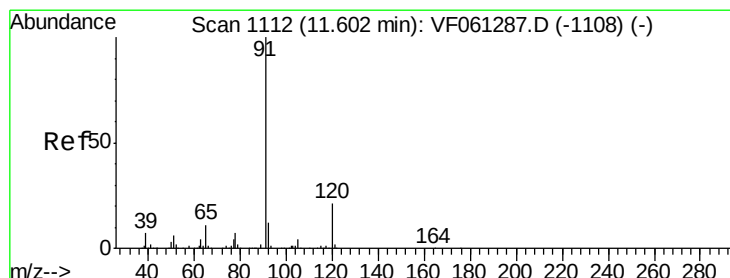
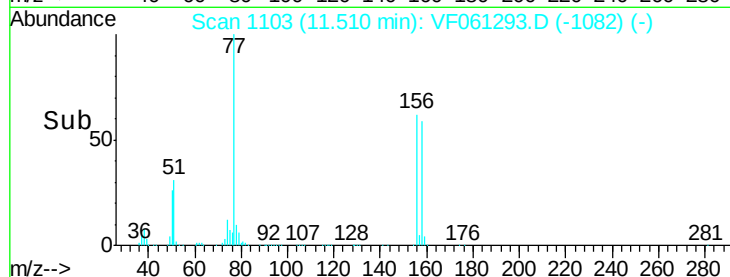
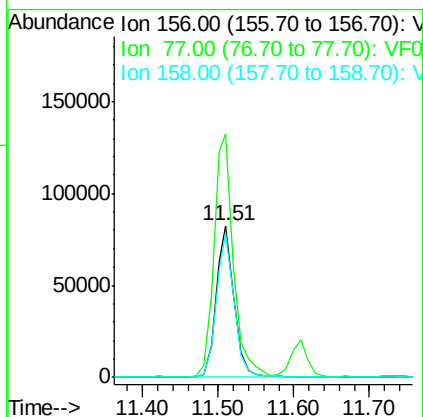
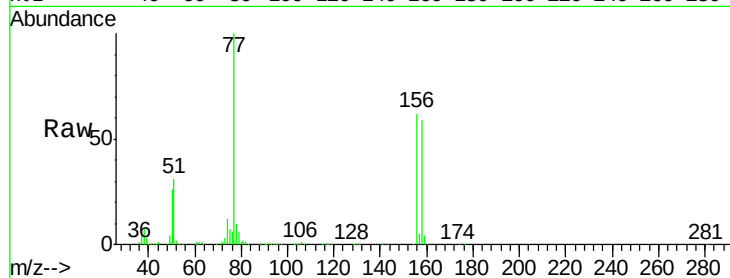
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.5	84.3	252.9
158	94.8	47.1	141.3

Manual Integrations
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#78

n-propylbenzene

Concen: 53.093 ug/l

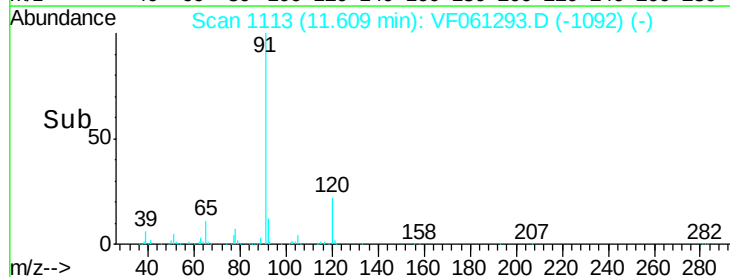
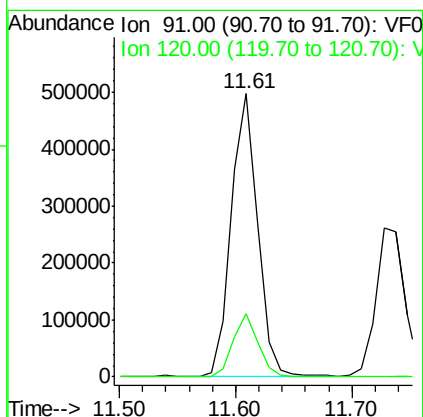
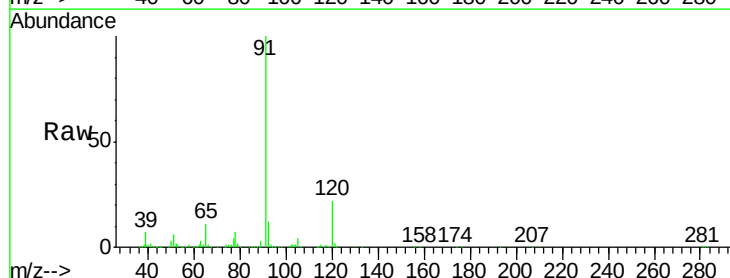
RT: 11.61 min Scan# 1113

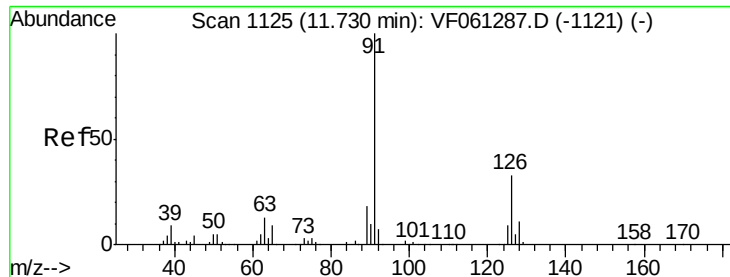
Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.7	32.1





#79

2-Chlorotoluene

Concen: 54.348 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 446082

Ion Ratio Lower Upper

91 100

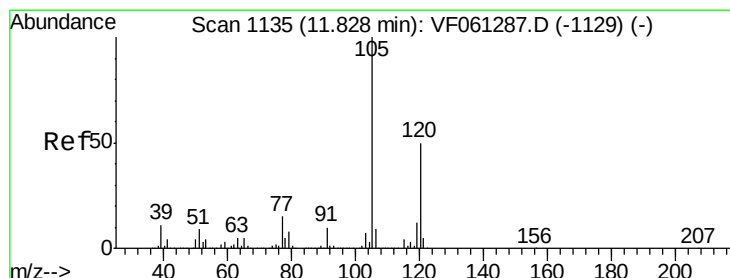
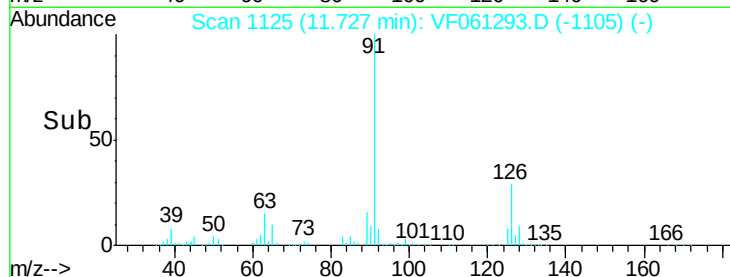
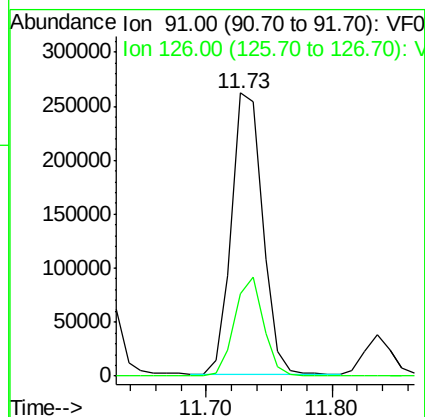
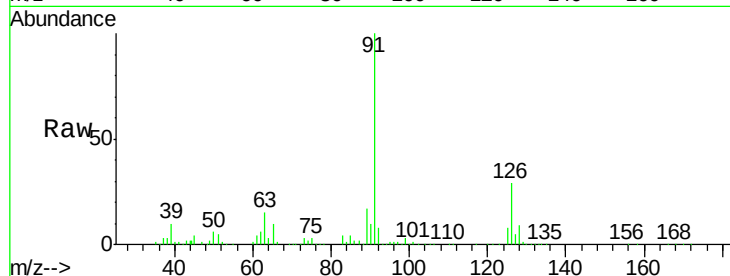
126 29.2 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 55.986 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VF061293.D

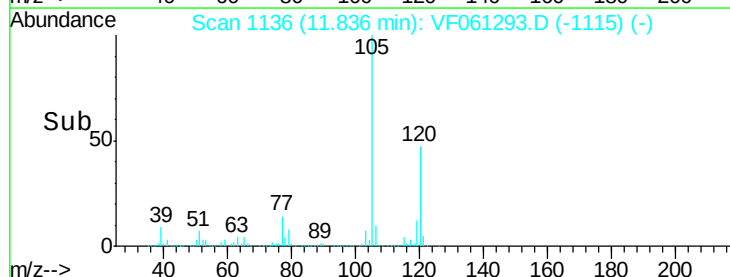
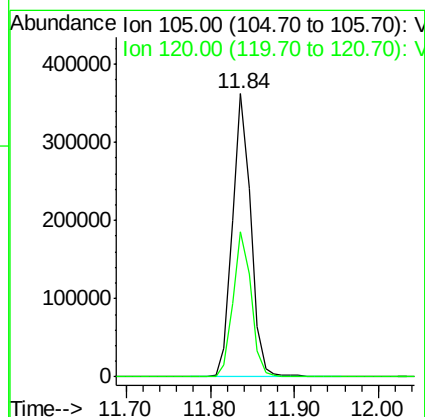
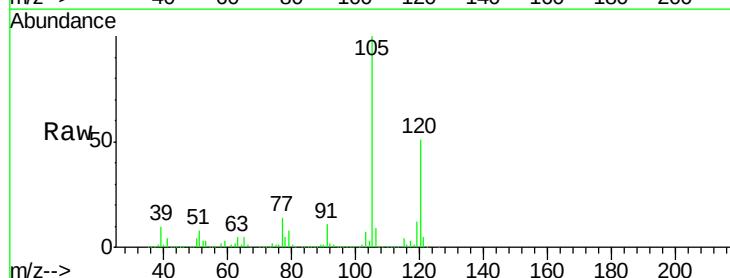
Acq: 9 Jan 2019 11:07

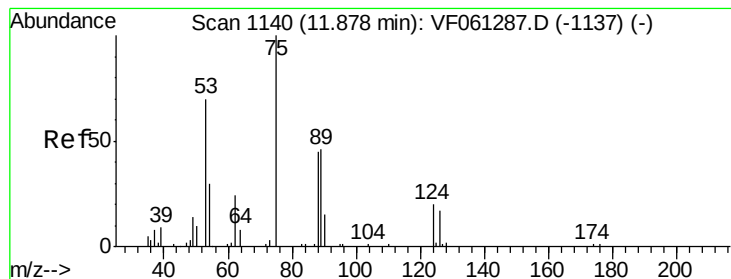
Tgt Ion: 105 Resp: 550443

Ion Ratio Lower Upper

105 100

120 51.4 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.075 ug/l m

RT: 11.89 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

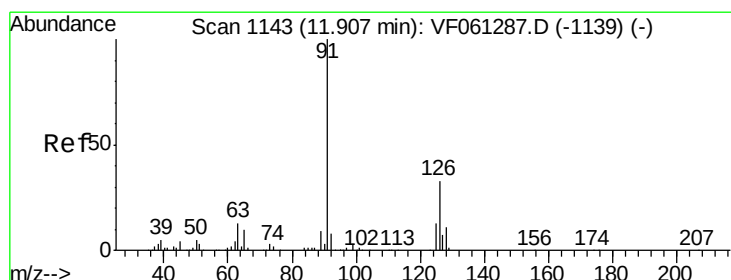
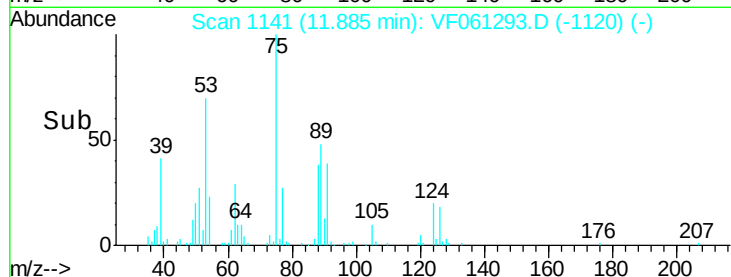
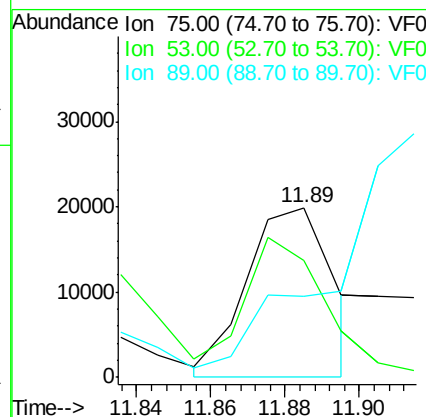
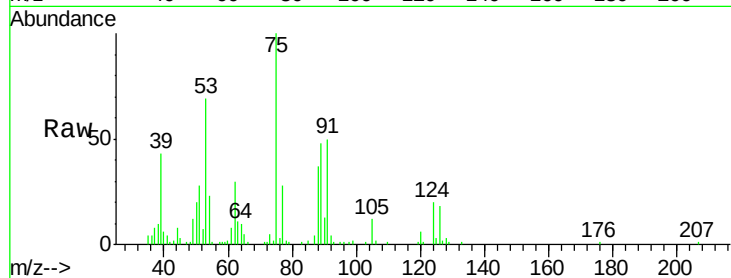
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	32071
Ion	Ratio	Lower	Upper
75	100		
53	69.2	62.2	93.2
89	47.7	40.2	60.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.435 ug/l

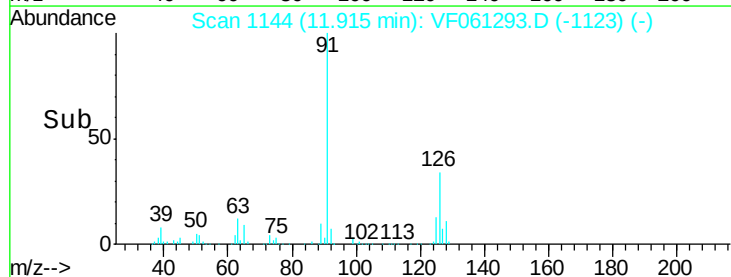
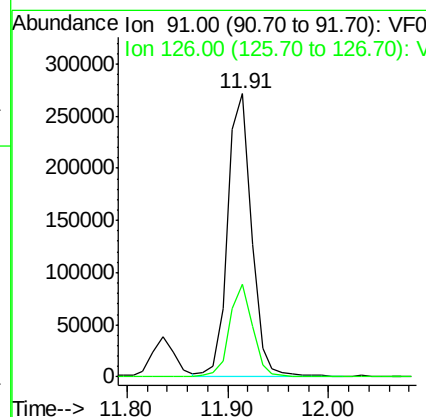
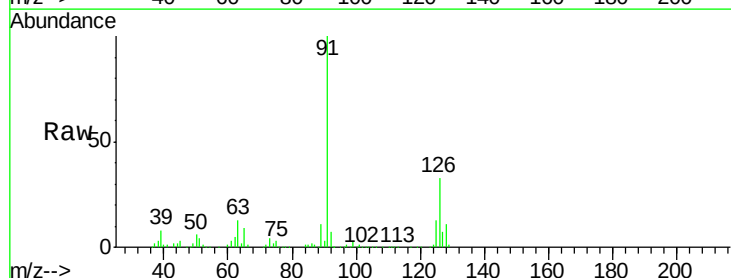
RT: 11.91 min Scan# 1144

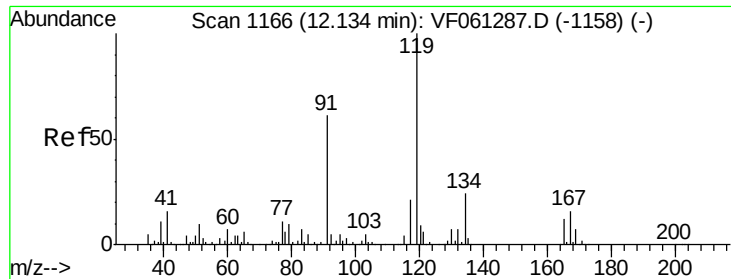
Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Tgt Ion:	91	Resp:	445662
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4





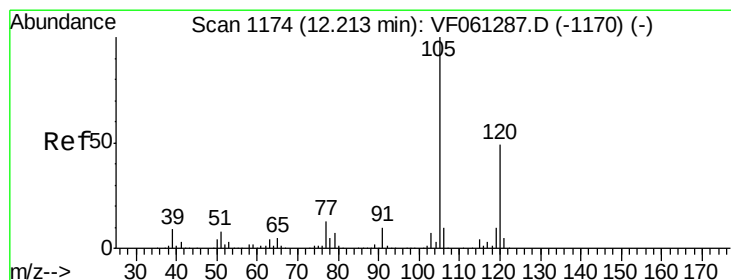
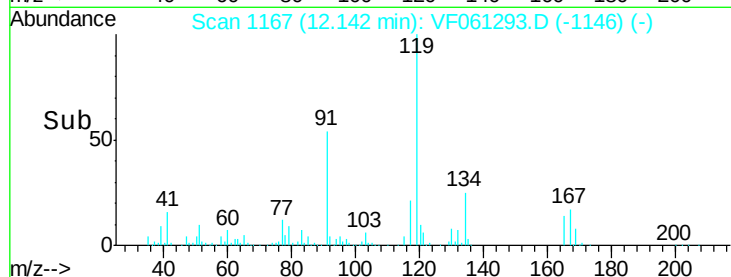
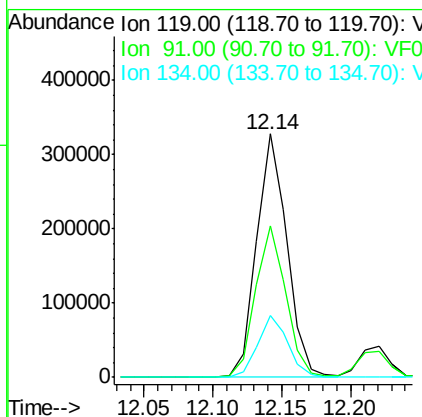
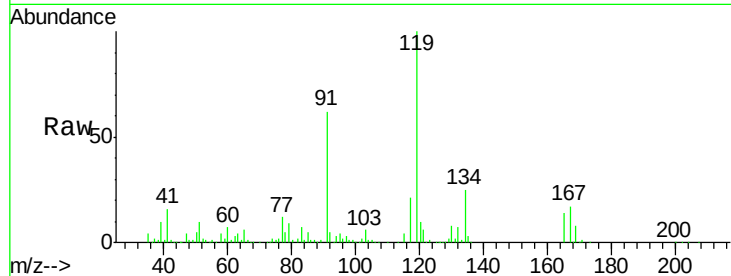
#83
tert-Butylbenzene
Concen: 51.881 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	508189		
91	62.5	30.8	92.4	
134	25.4	11.9	35.9	

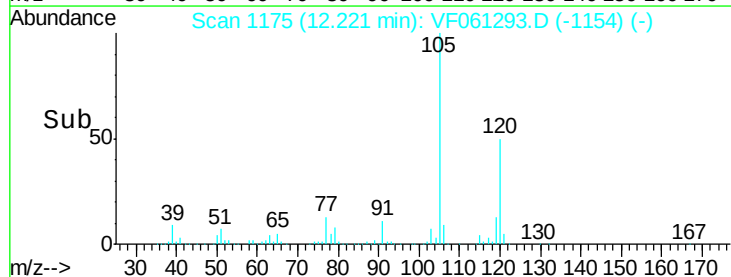
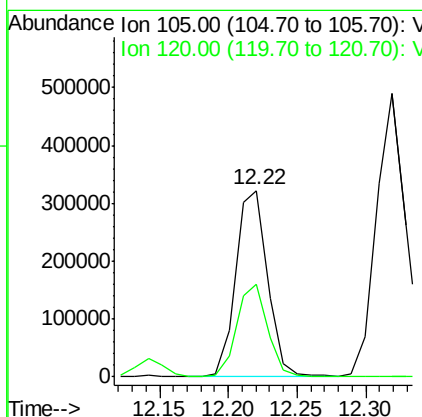
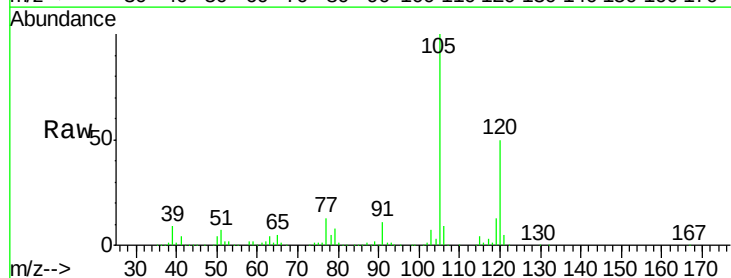
Manual Integrations
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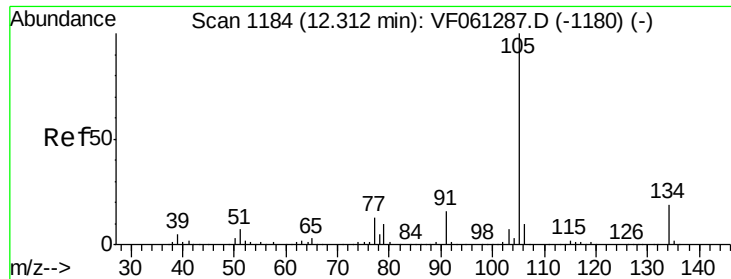
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.430 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	521546		
120	49.6	24.7	74.1	





#85

sec-Butylbenzene

Concen: 52.379 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 730551

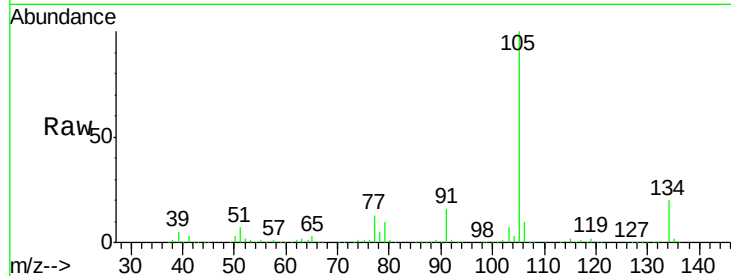
Ion Ratio Lower Upper

105 100

134 19.8 9.7 28.9

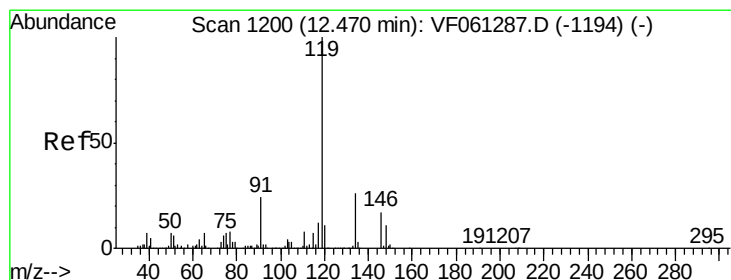
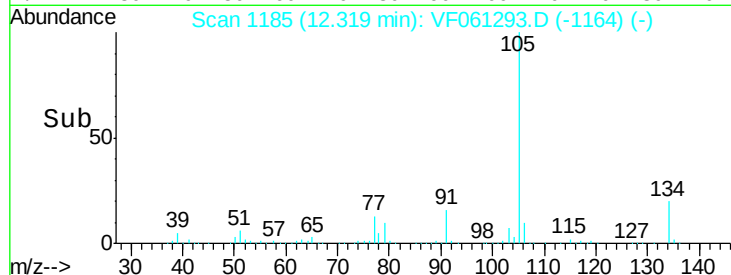
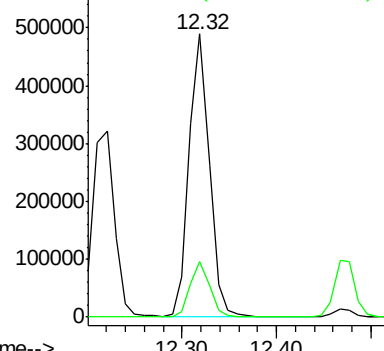
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.581 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061293.D

Acq: 9 Jan 2019 11:07

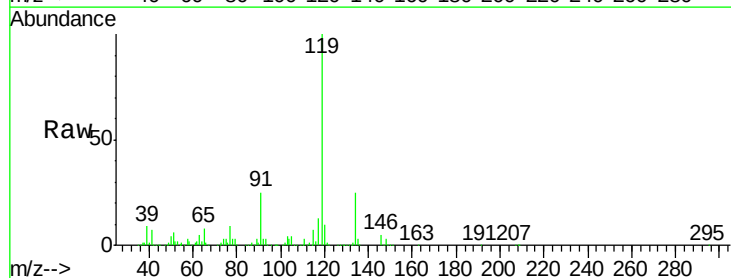
Tgt Ion:119 Resp: 607839

Ion Ratio Lower Upper

119 100

134 24.9 13.0 39.0

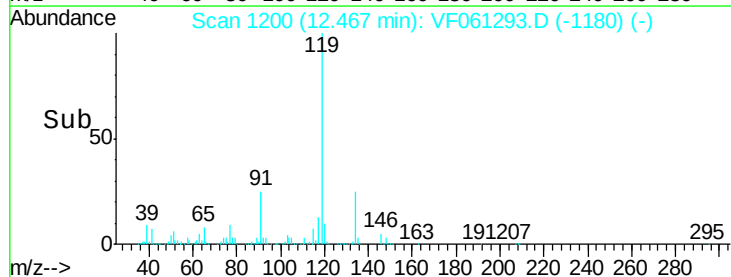
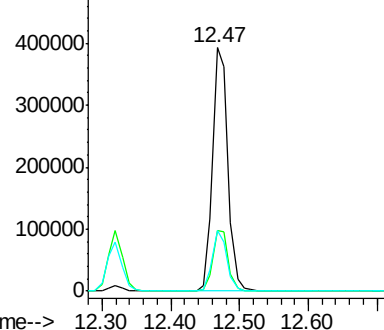
91 25.0 12.2 36.4

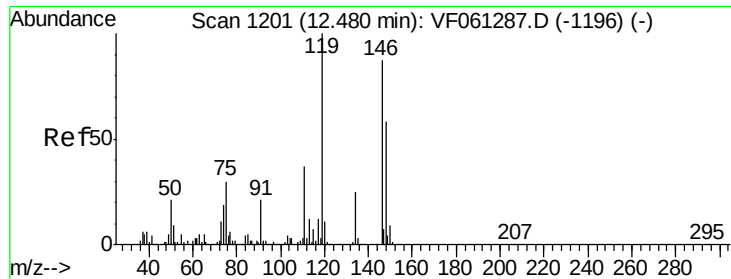


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





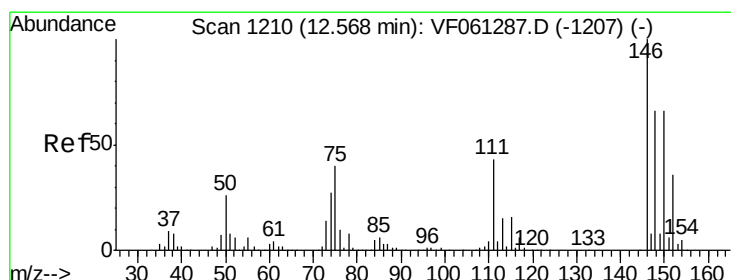
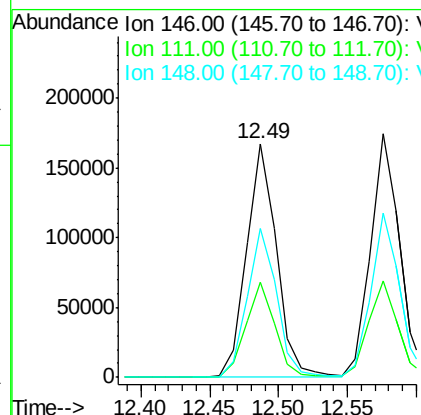
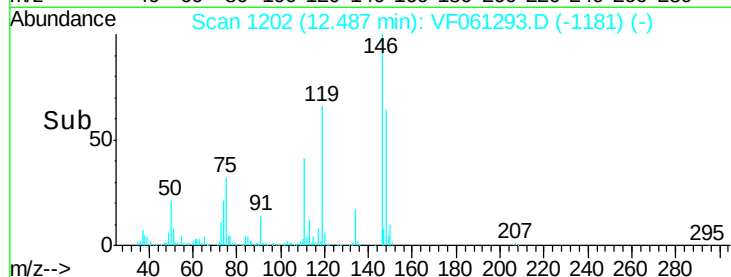
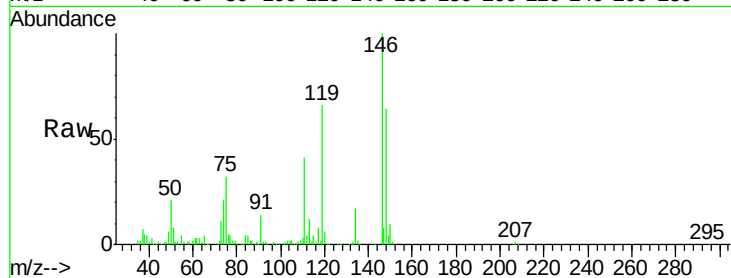
#87
 1,3-Dichlorobenzene
 Concen: 53.336 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.1	63.3
148	63.6	33.1	99.5

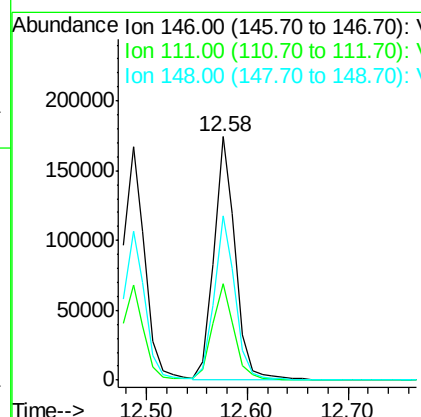
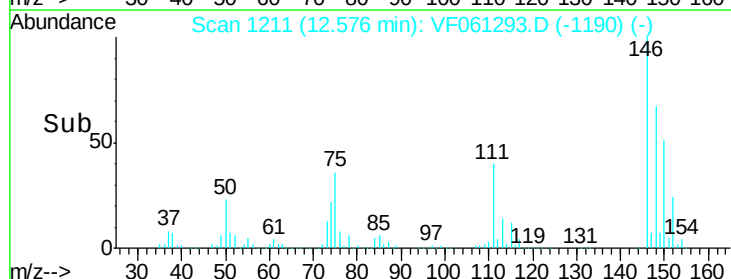
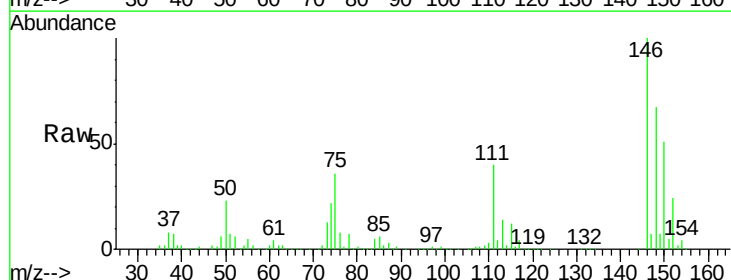
Manual Integrations
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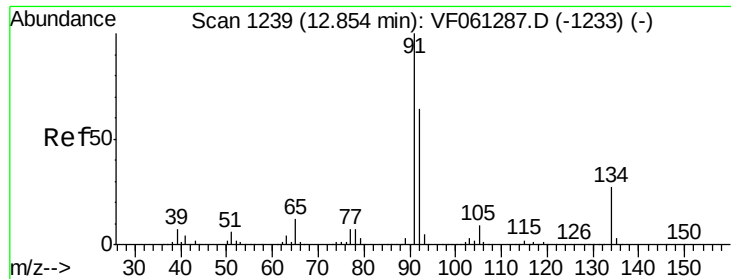
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 1/10/2019 2:02:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 56.336 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.4	64.2
148	67.4	33.0	98.9





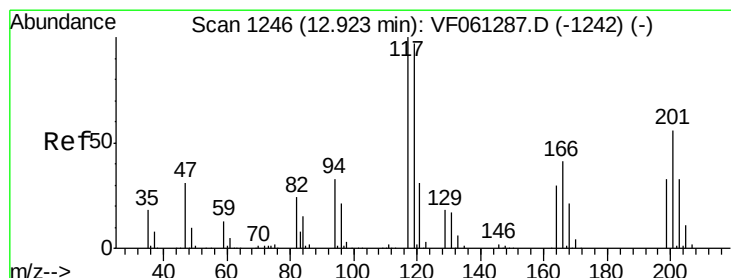
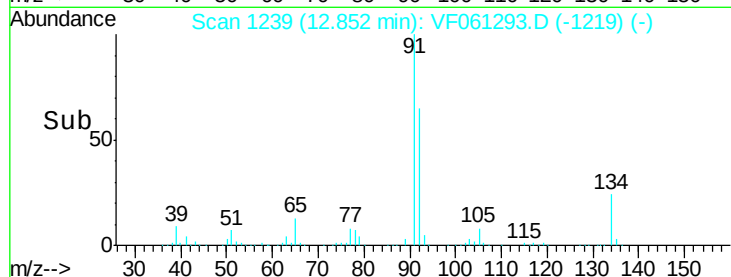
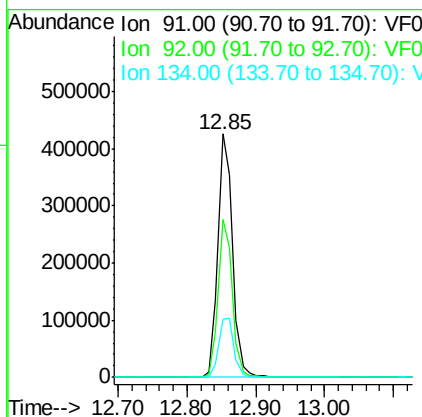
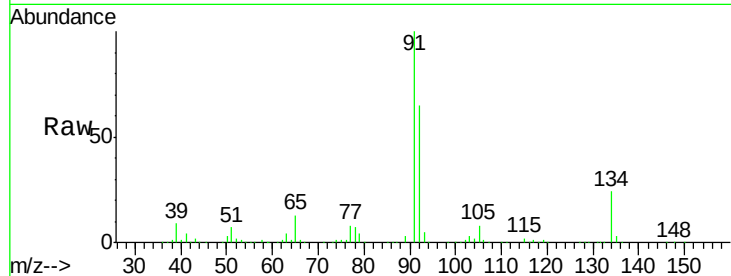
#89
n-Butylbenzene
Concen: 53.785 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	626921		
92	64.7		32.1	96.3
134	23.6		13.4	40.1

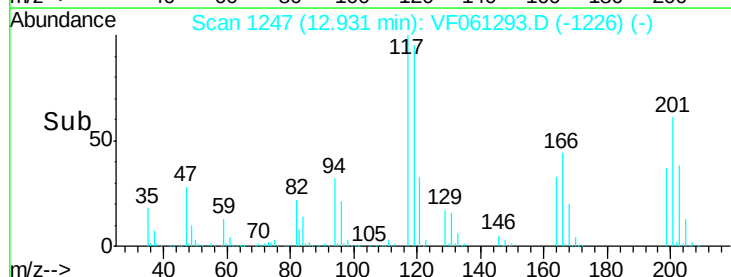
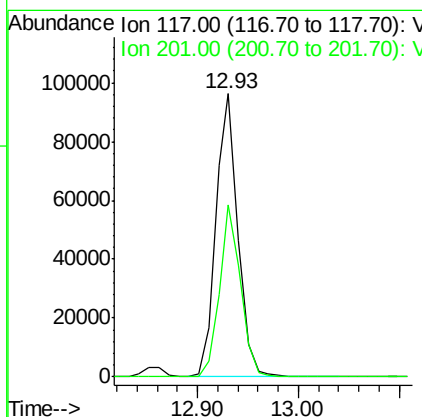
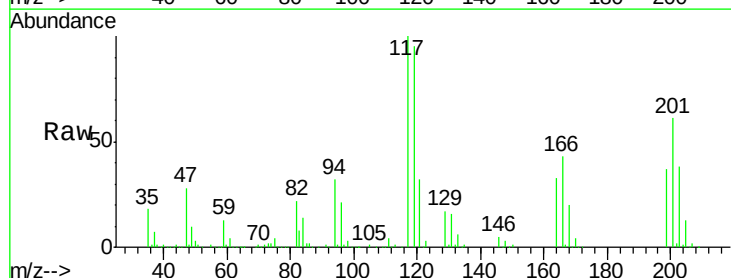
Manual Integrations
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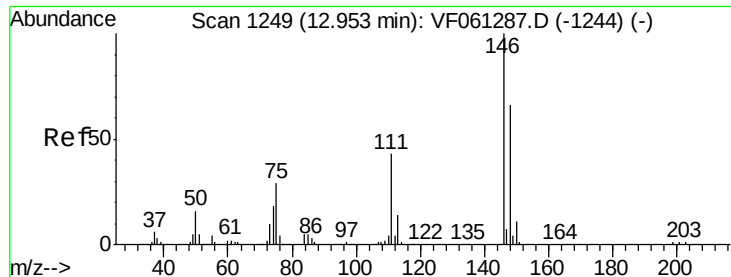
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#90
Hexachloroethane
Concen: 56.428 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	146430		
201	60.6		27.9	83.7





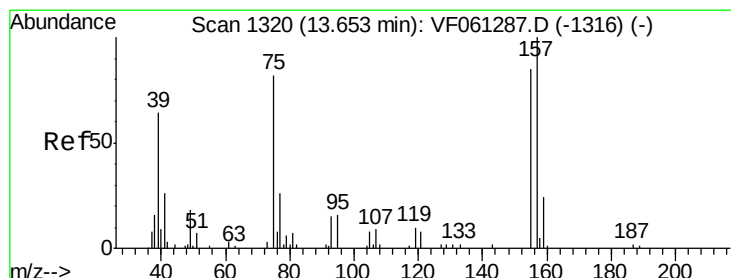
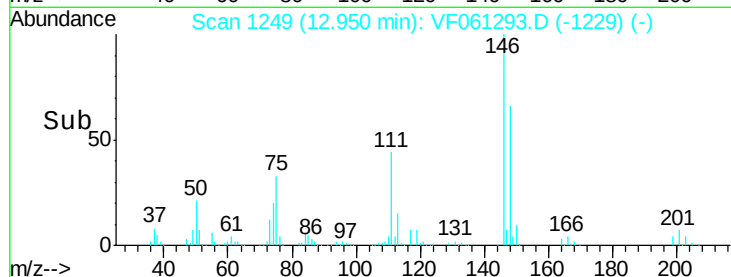
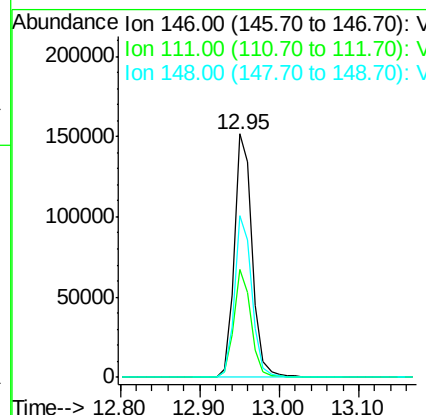
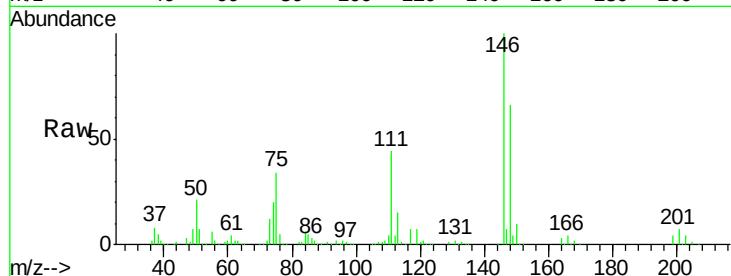
#91
 1,2-Dichlorobenzene
 Concen: 52.476 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.4	64.3
148	66.3	33.1	99.2

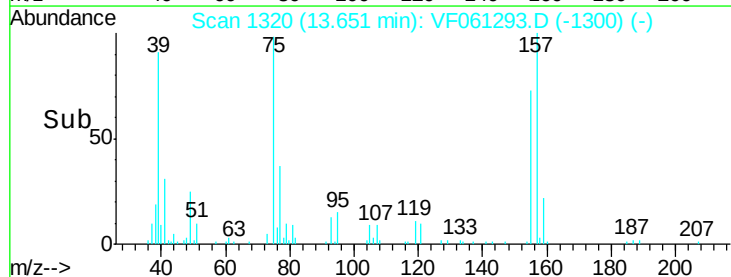
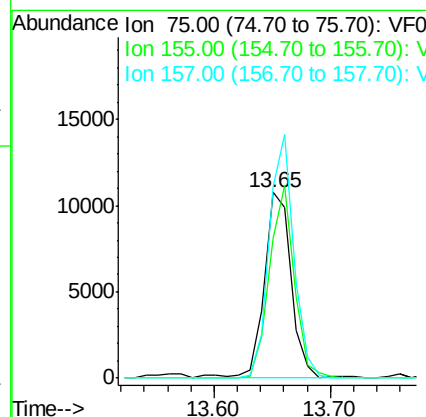
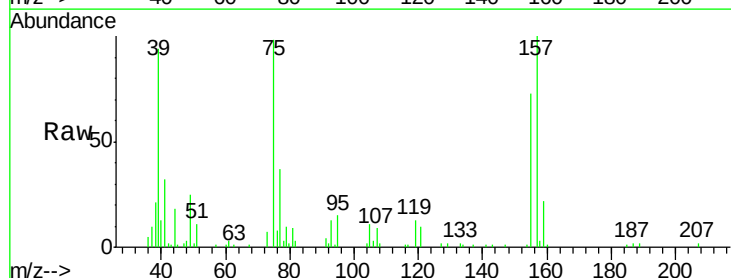
Manual Integrations
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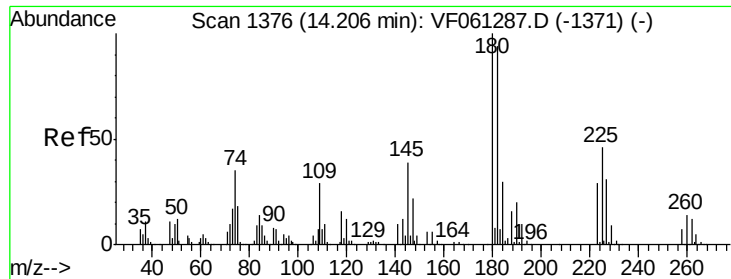
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.565 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	51.3	154.0
157	102.5	60.7	182.0





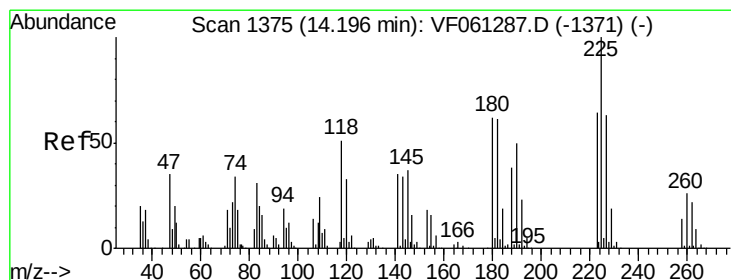
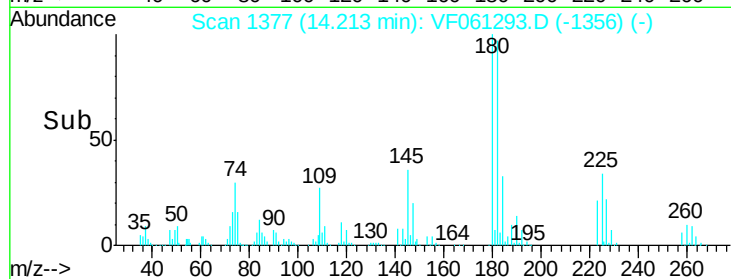
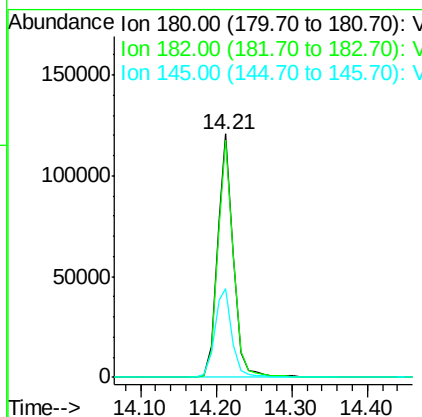
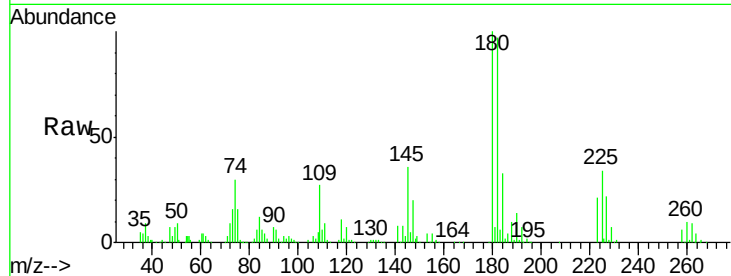
#93
 1,2,4-Trichlorobenzene
 Concen: 56.500 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	178149		
182	97.4	47.0	141.2	
145	36.3	19.7	59.1	

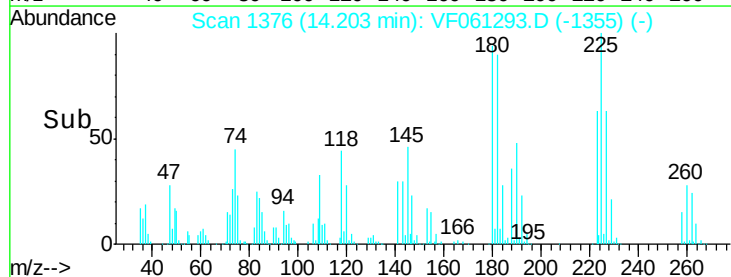
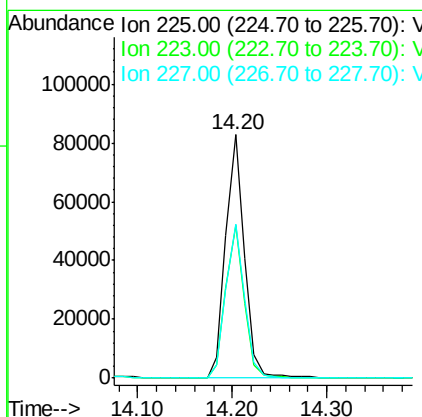
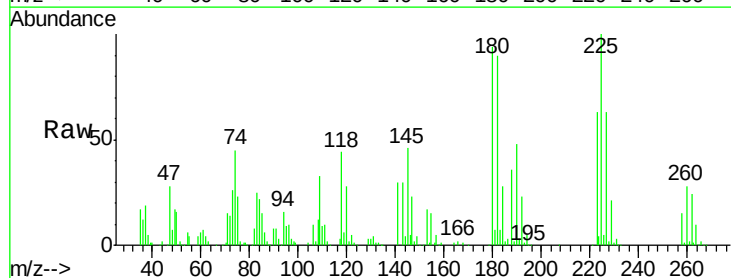
Manual Integrations
 APPROVED

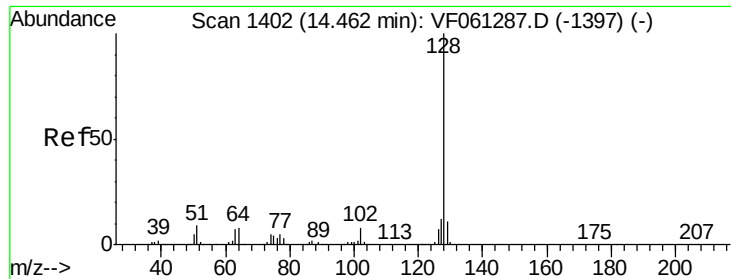
MMDadoda
 1/10/2019 2:02:32 PM



#94
 Hexachlorobutadiene
 Concen: 56.110 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061293.D
 Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113896		
223	62.7	31.8	95.4	
227	63.2	31.3	93.9	





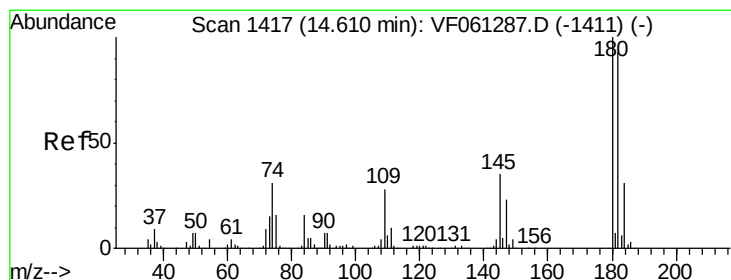
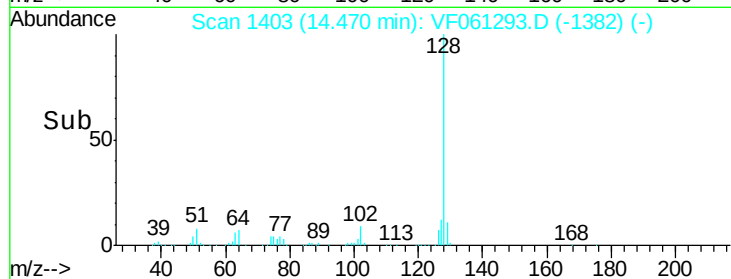
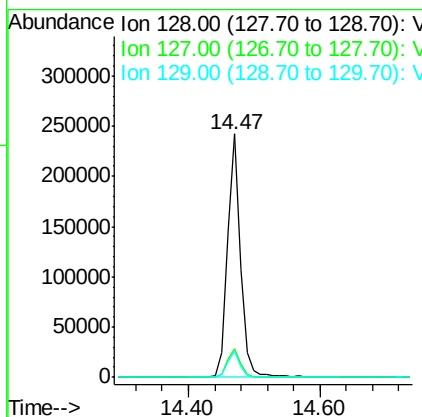
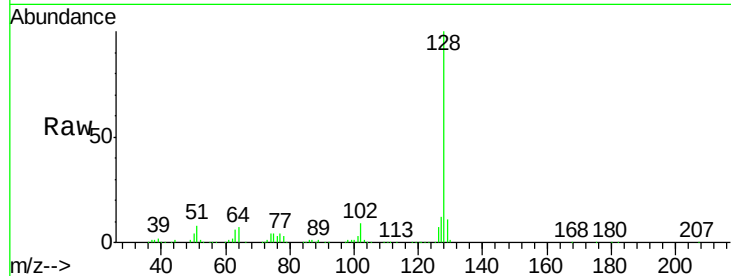
#95
Naphthalene
Concen: 56.822 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.4	14.0
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/10/2019 2:02:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.475 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. 0.01 min
Lab File: VF061293.D
Acq: 9 Jan 2019 11:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	46.5	139.3
145	34.0	17.5	52.6

