

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070718\
 Data File : VF059473.D
 Acq On : 7 Jul 2018 3:27
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/9/2018 9:34:22 AM

Quant Time: Jul 07 06:26:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:43:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	236771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	347923	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.88	117	360405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	230400	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	211501	64.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.92%	
35) Dibromofluoromethane	4.26	113	161411	60.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.32%	
50) Toluene-d8	7.68	98	393904	59.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.44%	
62) 4-Bromofluorobenzene	11.48	95	220987	59.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	174639	73.26	ug/l	100
3) Chloromethane	1.07	50	81340	54.37	ug/l	100
4) Vinyl Chloride	1.14	62	83662	56.72	ug/l	100
5) Bromomethane	1.33	94	60039	59.55	ug/l	100
6) Chloroethane	1.42	64	43982	58.80	ug/l	100
7) Trichlorofluoromethane	1.47	101	203375m	67.07	ug/l	
8) Diethyl Ether	1.68	74	39257	52.82	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.88	101	103207	59.66	ug/l	100
10) Methyl Iodide	1.95	142	185027	59.08	ug/l	100
11) Tert butyl alcohol	2.67	59	52295	256.70	ug/l	100
12) 1,1-Dichloroethene	1.84	96	91689	62.40	ug/l	100
13) Acrolein	2.07	56	33952	280.65	ug/l	100
14) Allyl chloride	2.17	41	149367	55.79	ug/l	100
15) Acrylonitrile	3.04	53	85938	241.38	ug/l	100
16) Acetone	2.31	43	161317	199.88	ug/l	100
17) Carbon Disulfide	1.85	76	232136	66.28	ug/l	100
18) Methyl Acetate	2.42	43	65187	40.82	ug/l	100
19) Methyl tert-butyl Ether	2.51	73	295669	55.40	ug/l	100
20) Methylene Chloride	2.25	84	88392m	38.08	ug/l	
21) trans-1,2-Dichloroethene	2.38	96	91938	58.94	ug/l	100
22) Diisopropyl ether	2.90	45	308079	52.49	ug/l	100
23) Vinyl Acetate	3.30	43	970605	261.79	ug/l	100
24) 1,1-Dichloroethane	2.97	63	211987	57.03	ug/l	100
25) 2-Butanone	4.47	43	216945	223.07	ug/l	100
26) 2,2-Dichloropropane	3.72	77	125567	50.45	ug/l	100
27) cis-1,2-Dichloroethene	3.60	96	117080	51.20	ug/l	100
28) Bromochloromethane	3.85	49	85030	52.78	ug/l	100
29) Tetrahydrofuran	4.22	42	100453	234.20	ug/l	100
30) Chloroform	4.00	83	306869	57.05	ug/l	100
31) Cyclohexane	3.82	56	127513	53.07	ug/l	100
32) 1,1,1-Trichloroethane	4.23	97	232664	58.75	ug/l	100
36) 1,1-Dichloropropene	4.41	75	183582	57.80	ug/l	100
37) Ethyl Acetate	4.26	43	110209	51.27	ug/l	100
38) Carbon Tetrachloride	4.13	117	261184m	63.90	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	165908	58.89	ug/l	100
40) Benzene	4.77	78	346825	50.75	ug/l	100
41) Methacrylonitrile	4.89	41	52184	50.25	ug/l	100
42) 1,2-Dichloroethane	5.08	62	260198	62.54	ug/l	100
43) Isopropyl Acetate	7.07	43	122891	48.73	ug/l	100
44) Trichloroethene	5.64	130	135047	56.37	ug/l	100
45) 1,2-Dichloropropane	6.37	63	97177	49.94	ug/l	100
46) Dibromomethane	6.22	93	98755	57.61	ug/l	100
47) Bromodichloromethane	6.51	83	242654	58.13	ug/l	100
48) Methyl methacrylate	6.84	41	92640	53.95	ug/l	100
49) 1,4-Dioxane	6.83	88	9434	911.59	ug/l	100
51) 4-Methyl-2-Pentanone	8.38	43	480928	255.80	ug/l	100
52) Toluene	7.75	92	276604	53.73	ug/l	100
53) t-1,3-Dichloropropene	8.40	75	210673	55.75	ug/l	100
54) cis-1,3-Dichloropropene	7.42	75	219200	54.17	ug/l	100
55) 1,1,2-Trichloroethane	8.60	97	109805	55.27	ug/l	100
56) Ethyl methacrylate	8.73	69	124647	51.54	ug/l	100
57) 1,3-Dichloropropane	8.97	76	181305	53.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.75	63	58023	304.12	ug/l	100
59) 2-Hexanone	9.60	43	375401	242.13	ug/l	100
60) Dibromochloromethane	8.83	129	183587	59.26	ug/l	100
61) 1,2-Dibromoethane	9.11	107	135681	56.15	ug/l	100
64) Tetrachloroethene	8.27	164	156374	63.23	ug/l	100
65) Chlorobenzene	9.91	112	359926	52.73	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	164451	55.30	ug/l	100
67) Ethyl Benzene	10.01	91	616506	53.02	ug/l	100
68) m/p-Xylenes	10.24	106	423200	103.03	ug/l	100
69) o-Xylene	10.80	106	239226	52.19	ug/l	100
70) Styrene	10.87	104	368798	52.74	ug/l	100
71) Bromoform	10.86	173	114724	56.55	ug/l	100
73) Isopropylbenzene	11.21	105	743101	54.18	ug/l	100
74) N-amyl acetate	11.44	43	234270	48.36	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	165985	49.13	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	134634	51.95	ug/l	100
77) Bromobenzene	11.57	156	193965	51.40	ug/l	100
78) n-propylbenzene	11.67	91	850832	51.69	ug/l	100
79) 2-Chlorotoluene	11.79	91	528956	52.40	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	657566	54.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.93	75	69859	46.49	ug/l	100
82) 4-Chlorotoluene	11.96	91	552659	51.64	ug/l	100
83) tert-Butylbenzene	12.19	119	632653	52.90	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	665828	52.74	ug/l	100
85) sec-Butylbenzene	12.37	105	861850	54.02	ug/l	100
86) p-Isopropyltoluene	12.52	119	734460	54.71	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	362981	51.70	ug/l	100
88) 1,4-Dichlorobenzene	12.62	146	361503	53.01	ug/l	100
89) n-Butylbenzene	12.90	91	719762	52.81	ug/l	100
90) Hexachloroethane	12.98	117	185359	55.24	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	362305	52.72	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.70	75	43299	56.53	ug/l	100

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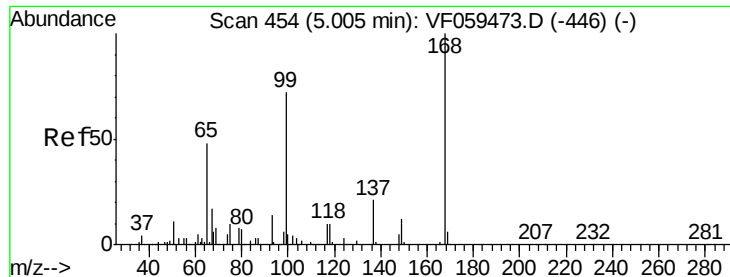
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	282198	55.28	ug/l	100
94) Hexachlorobutadiene	14.24	225	176167	60.18	ug/l	100
95) Naphthalene	14.51	128	623260	58.30	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	280330	57.68	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.00 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 236771

Ion Ratio Lower Upper

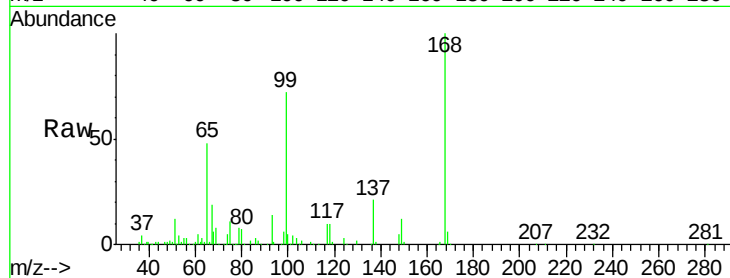
168 100

99 72.1 57.7 86.5

Manual Integrations
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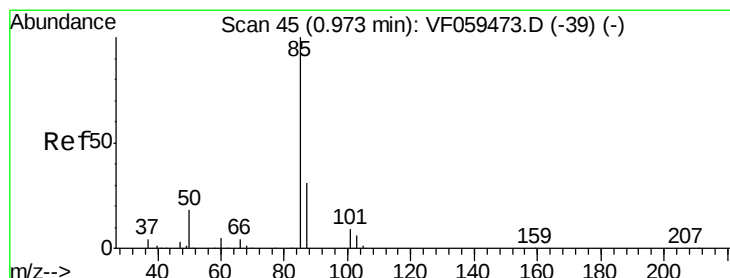
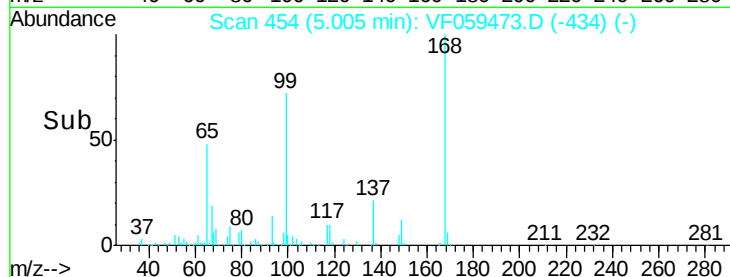
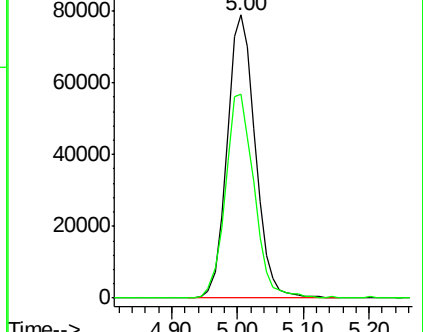
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 73.26 ug/l

RT: 0.97 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059473.D

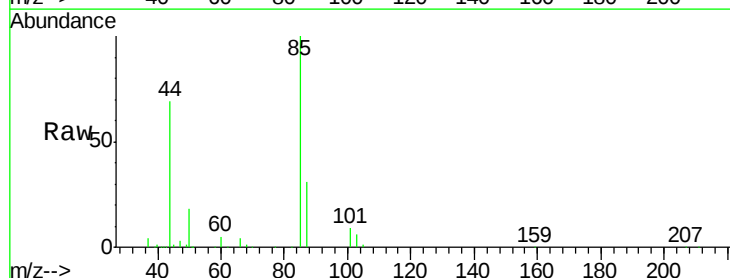
Acq: 7 Jul 2018 3:27

Tgt Ion: 85 Resp: 174639

Ion Ratio Lower Upper

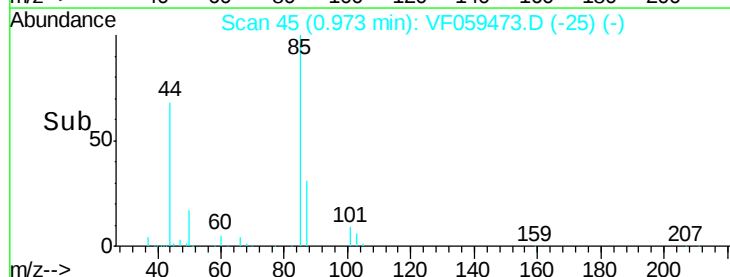
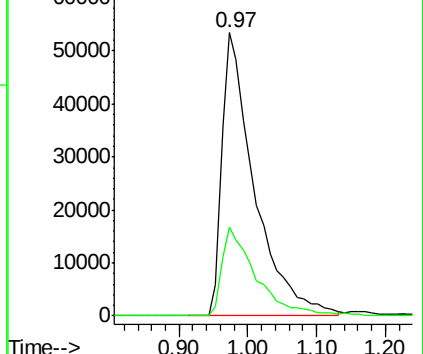
85 100

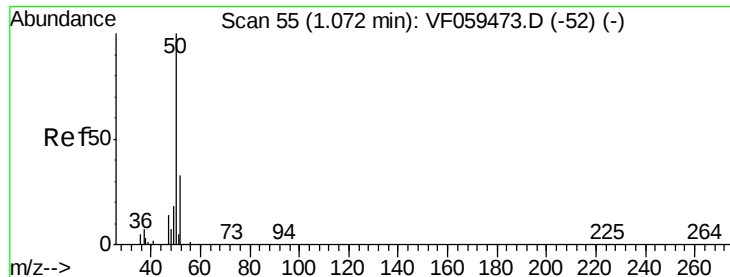
87 31.3 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 54.37 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 81340

Ion Ratio Lower Upper

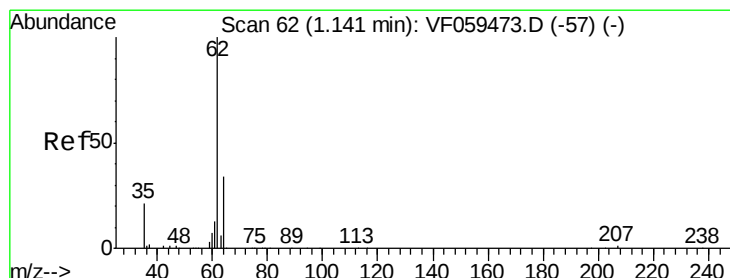
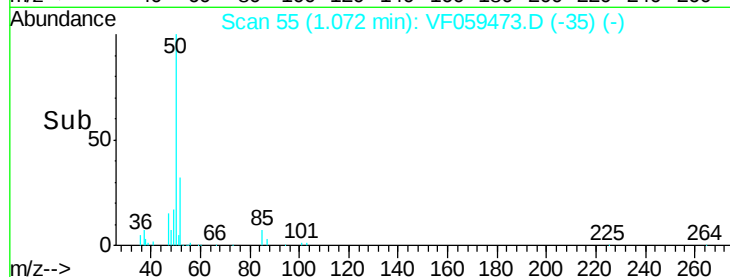
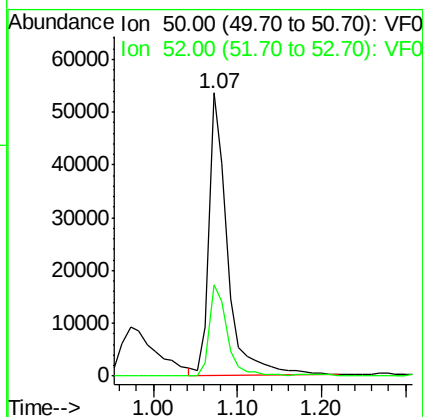
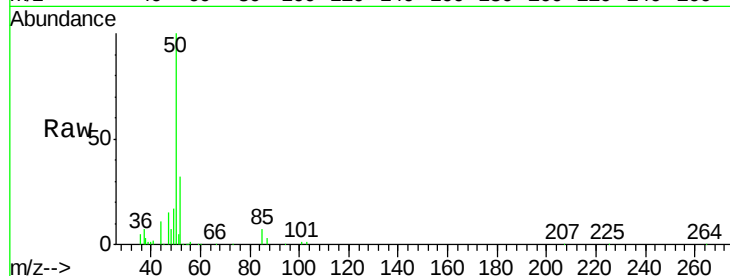
50 100

52 32.4 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 56.72 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059473.D

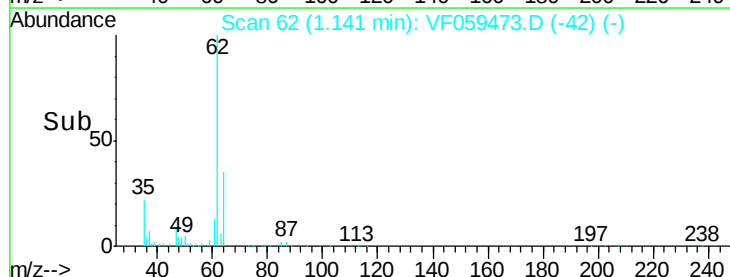
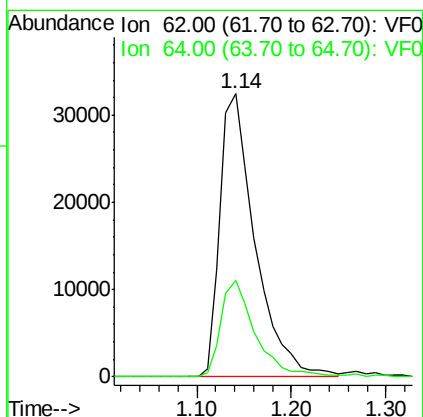
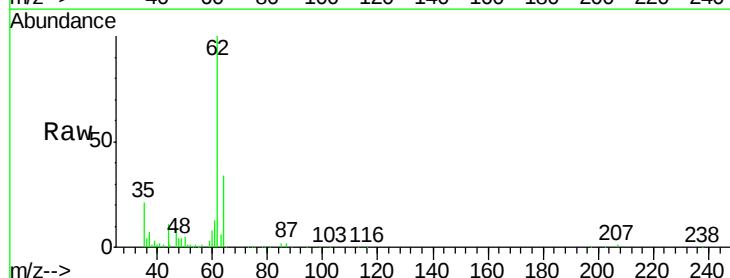
Acq: 7 Jul 2018 3:27

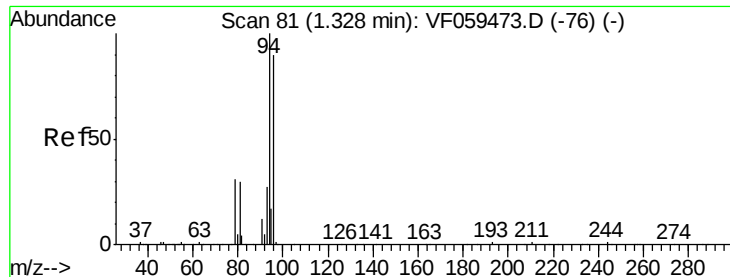
Tgt Ion: 62 Resp: 83662

Ion Ratio Lower Upper

62 100

64 34.1 27.3 40.9





#5

Bromomethane

Concen: 59.55 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 60039

Ion Ratio Lower Upper

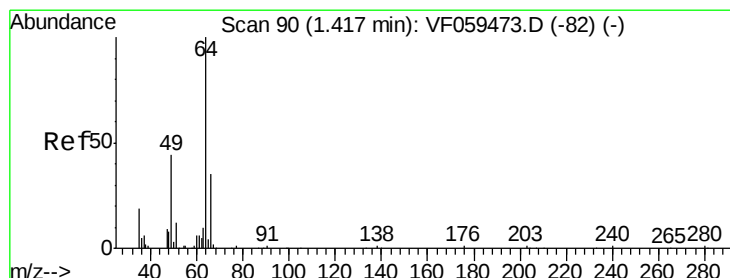
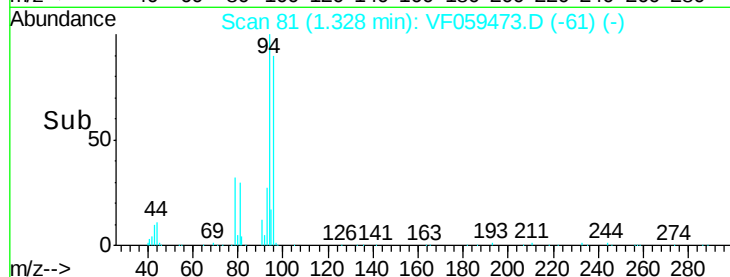
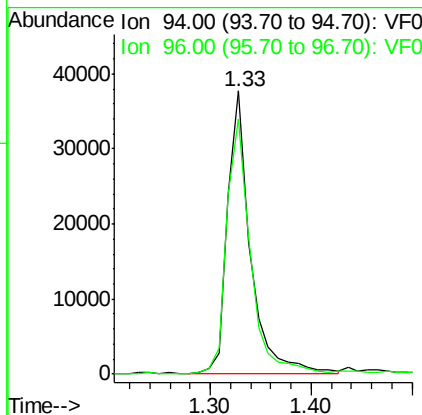
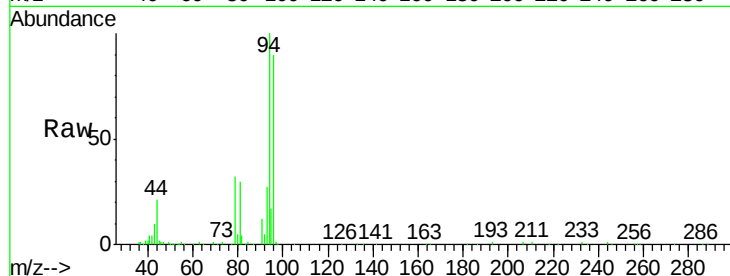
94 100

96 90.0 72.0 108.0

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#6

Chloroethane

Concen: 58.80 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059473.D

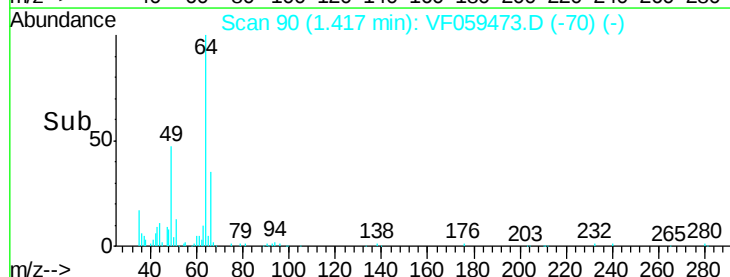
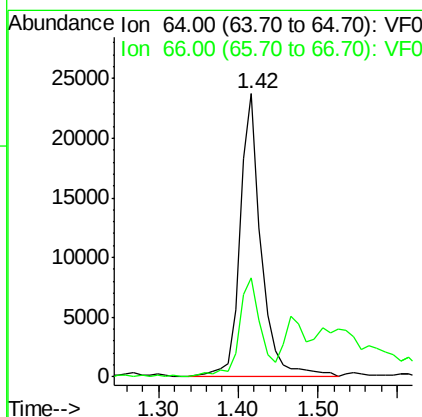
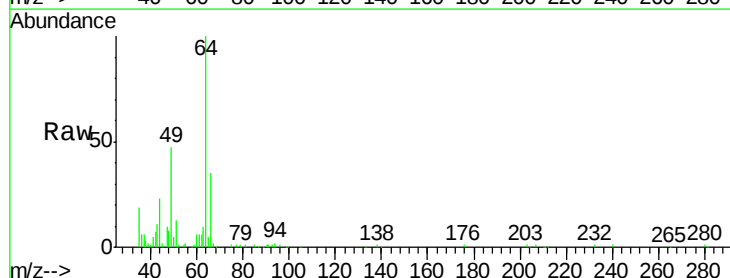
Acq: 7 Jul 2018 3:27

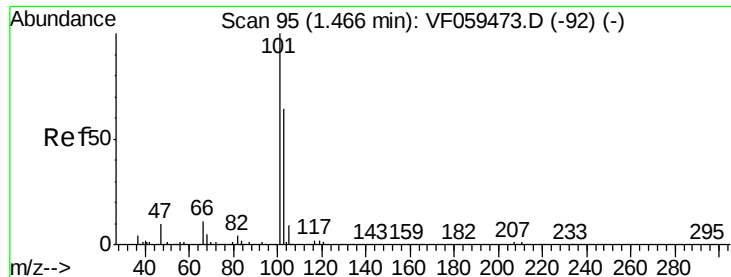
Tgt Ion: 64 Resp: 43982

Ion Ratio Lower Upper

64 100

66 35.1 28.1 42.1





#7

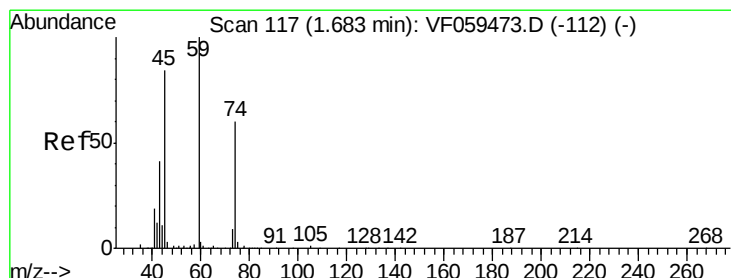
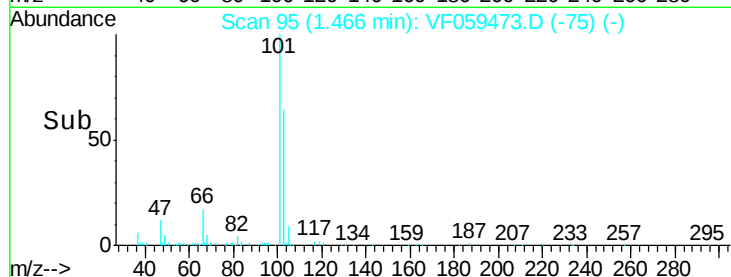
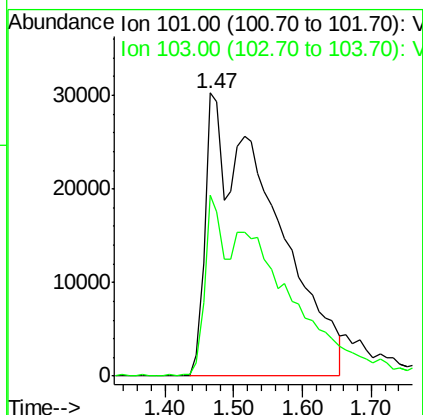
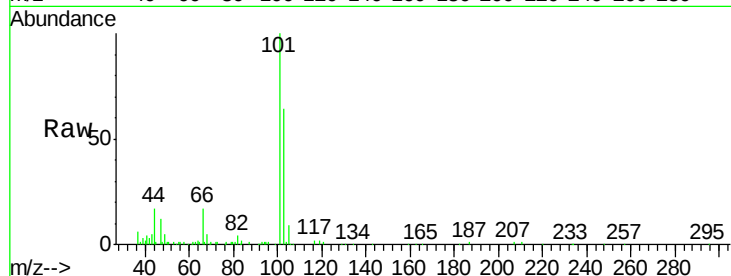
Trichlorofluoromethane
Concen: 67.07 ug/l m
RT: 1.47 min Scan# 95
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

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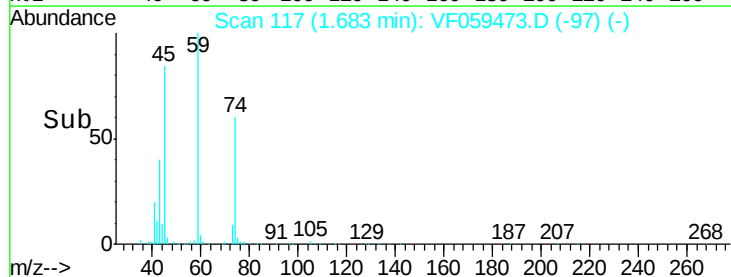
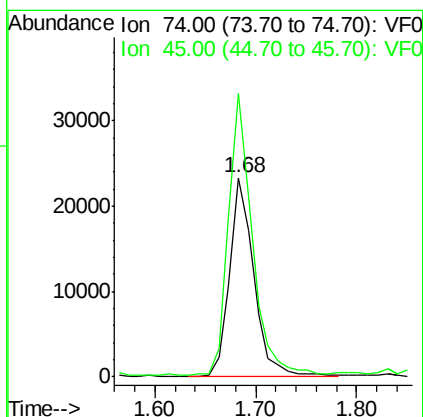
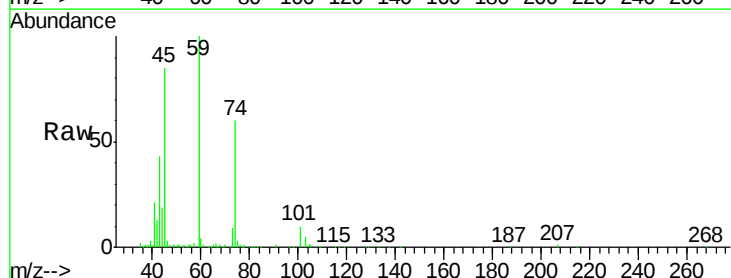
apatel
7/9/2018 9:34:22 AM

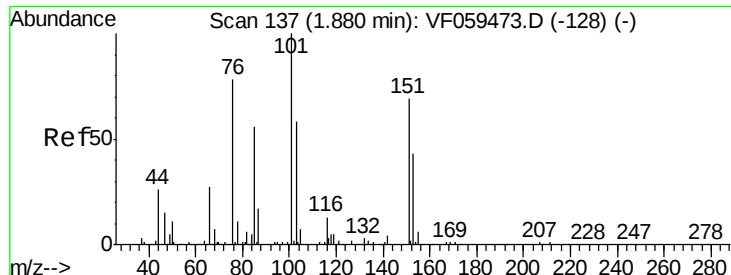


#8

Diethyl Ether
Concen: 52.82 ug/l
RT: 1.68 min Scan# 117
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	142.2	71.1	213.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.66 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

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MSVOA_F

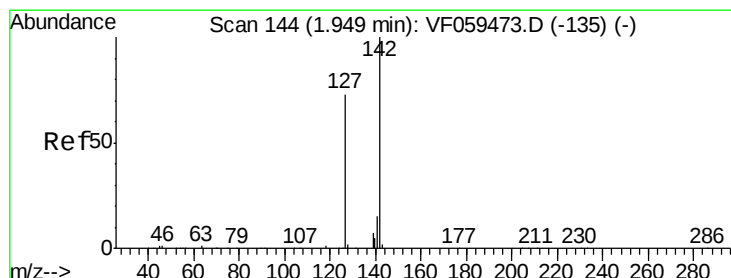
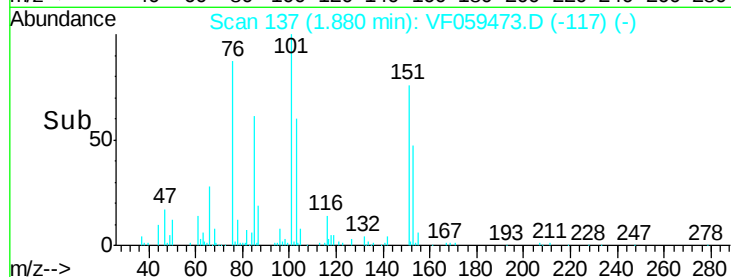
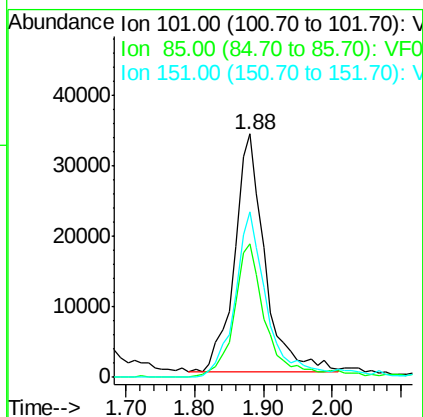
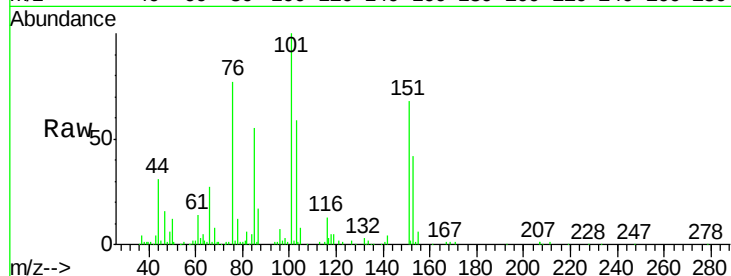
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	103207
Ion Ratio	Lower	Upper	
101	100		
85	54.8	43.8	65.8
151	67.8	54.2	81.4

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#10

Methyl Iodide

Concen: 59.08 ug/l

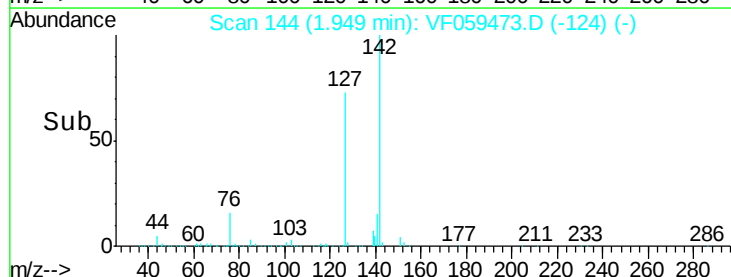
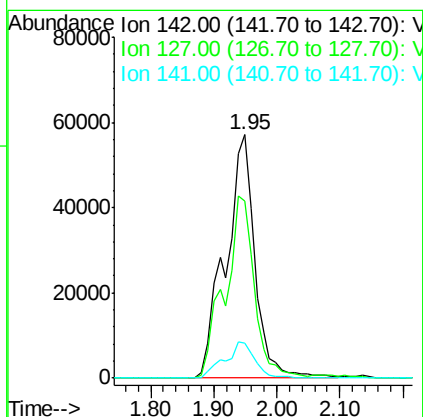
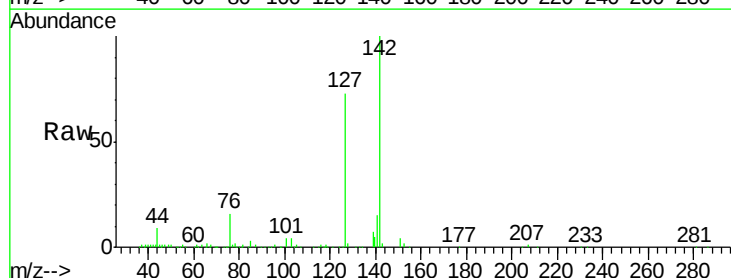
RT: 1.95 min Scan# 144

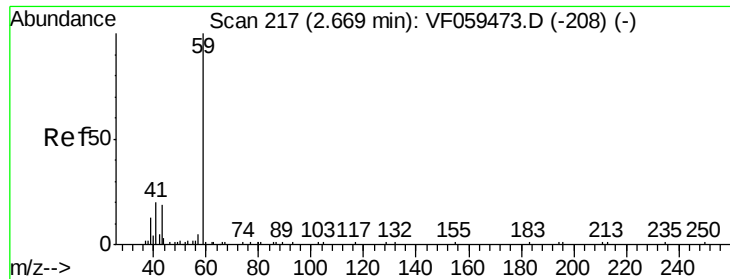
Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion:	142	Resp:	185027
Ion Ratio	Lower	Upper	
142	100		
127	72.7	58.2	87.2
141	14.6	11.7	17.5





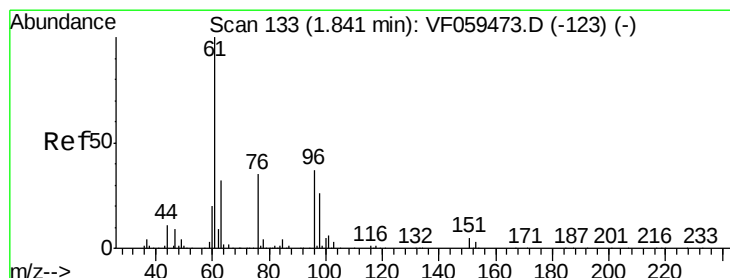
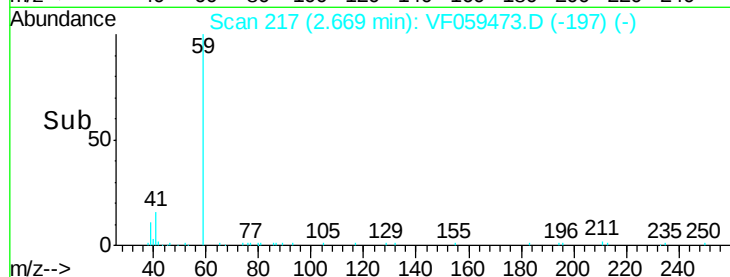
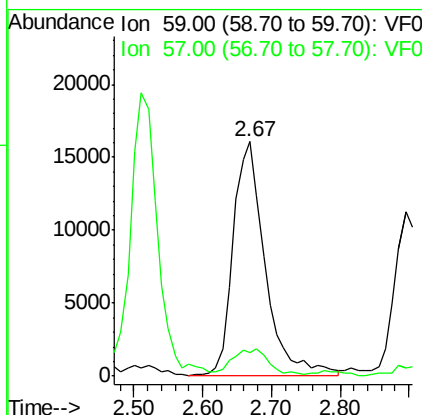
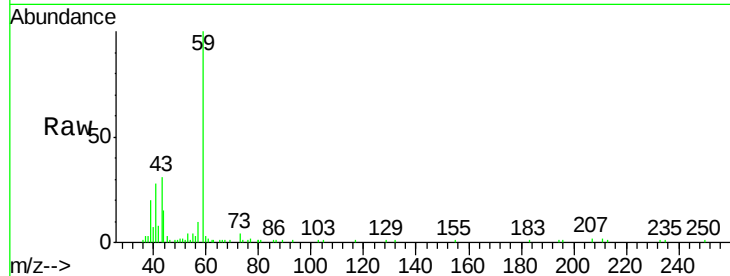
#11
Tert butyl alcohol
Concen: 256.70 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

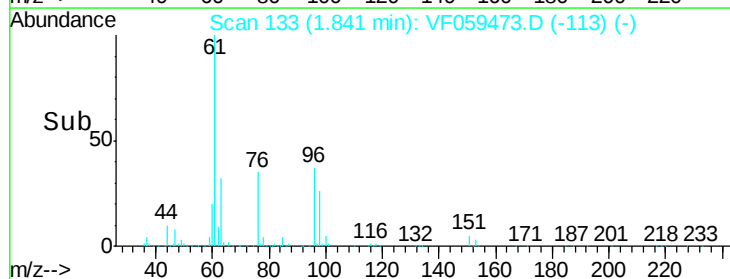
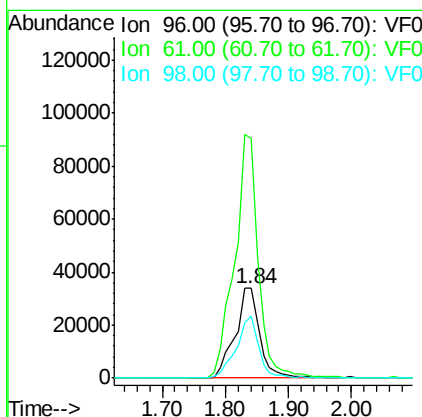
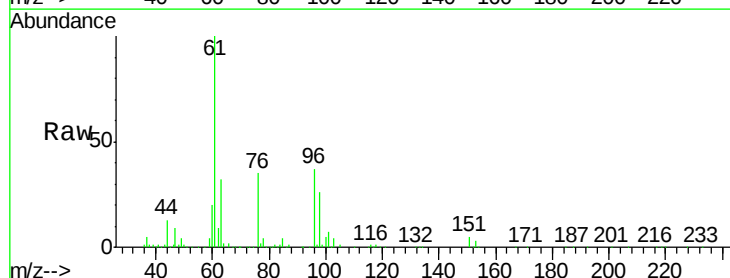
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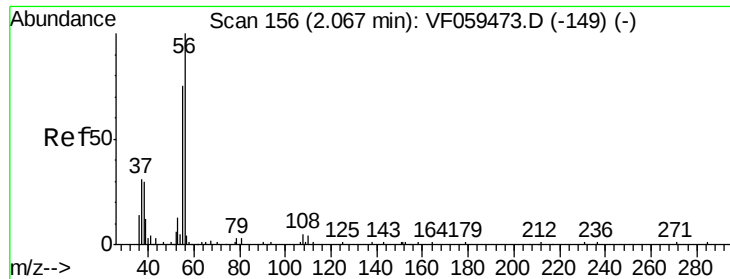
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#12
1,1-Dichloroethene
Concen: 62.40 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	268.0	214.4	321.6
98	69.5	55.6	83.4





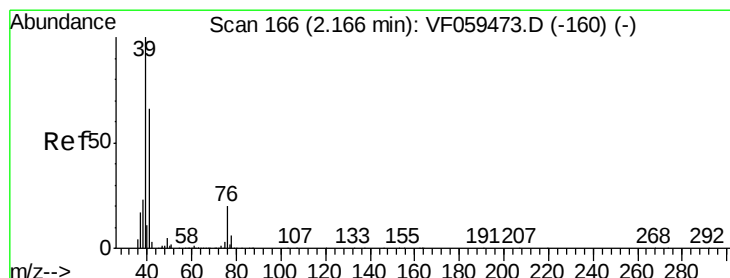
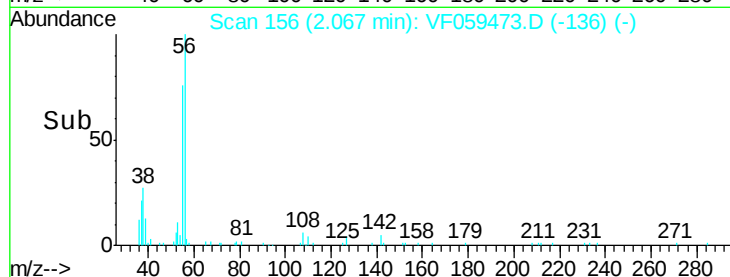
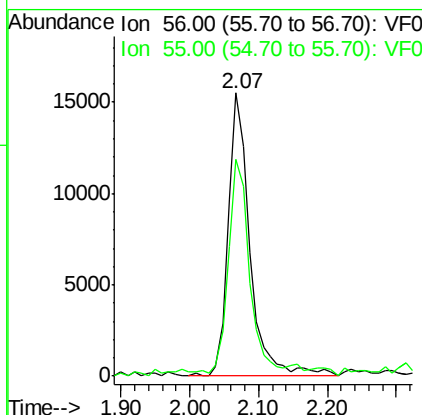
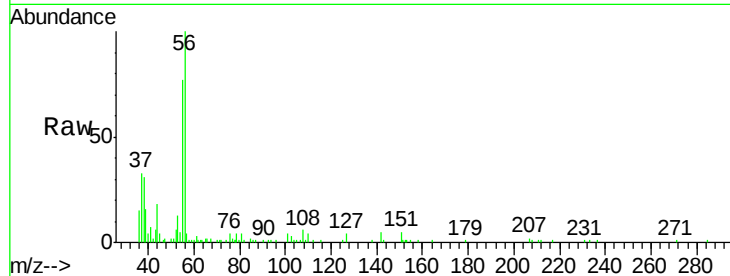
#13
Acrolein
Concen: 280.65 ug/l
RT: 2.07 min Scan# 156
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	33952
Ion Ratio	100	Lower	Upper
55	76.5	61.2	91.8

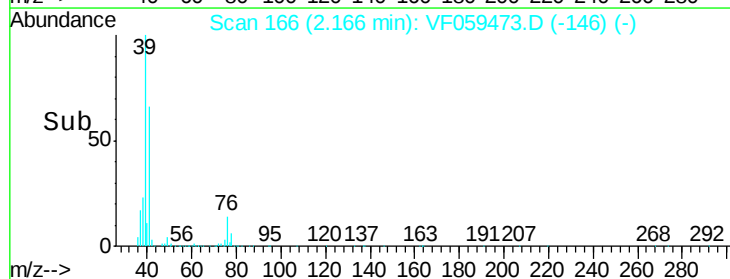
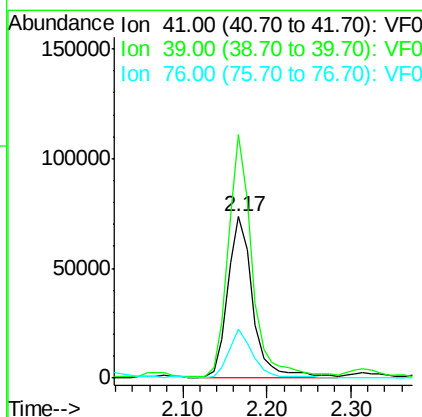
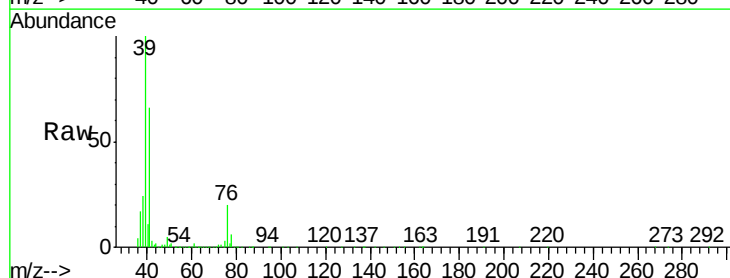
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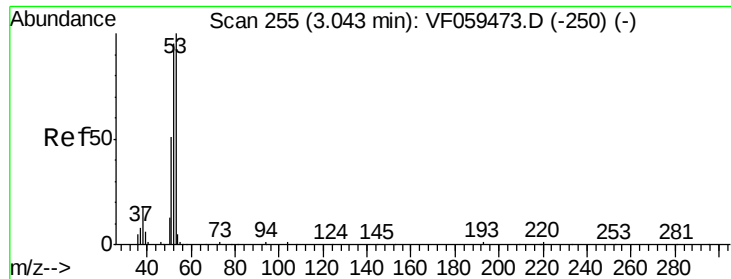
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#14
Allyl chloride
Concen: 55.79 ug/l
RT: 2.17 min Scan# 166
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	41	Resp	149367
Ion Ratio	100	Lower	Upper
39	150.9	120.7	181.1
76	30.0	24.0	36.0





#15

Acrylonitrile

Concen: 241.38 ug/l

RT: 3.04 min Scan# 255

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

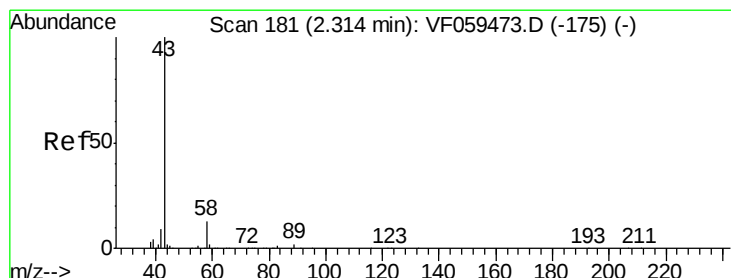
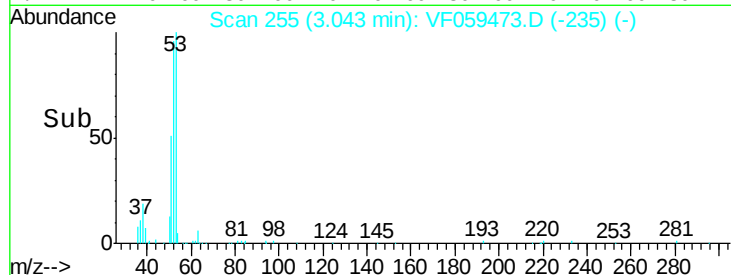
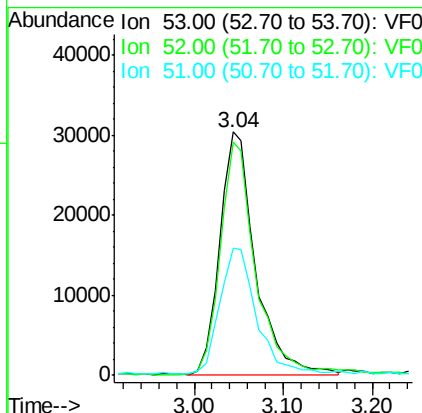
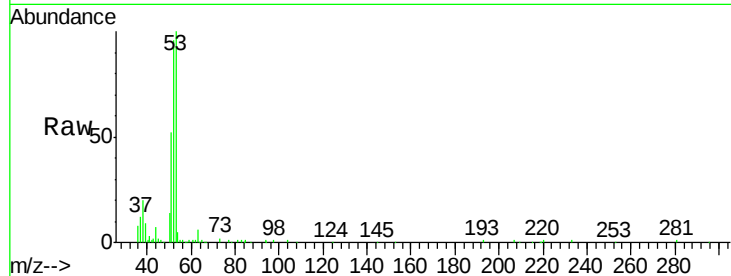
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	85938
Ion	Ratio	Lower	Upper
53	100		
52	96.0	76.8	115.2
51	52.3	41.8	62.8

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#16

Acetone

Concen: 199.88 ug/l

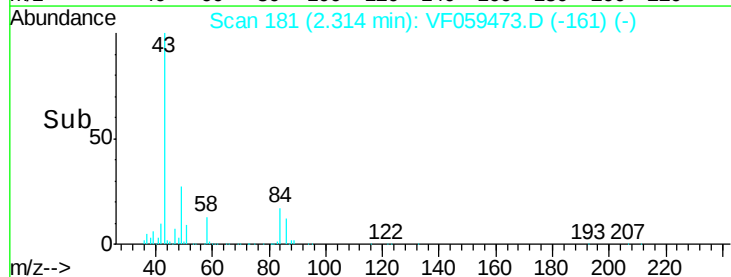
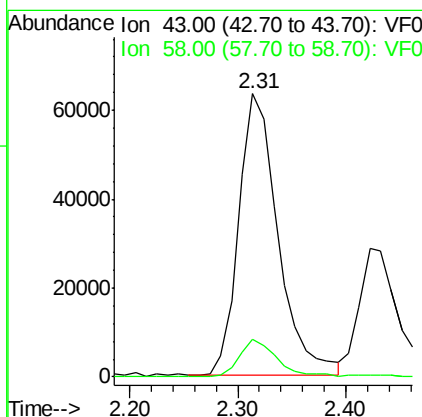
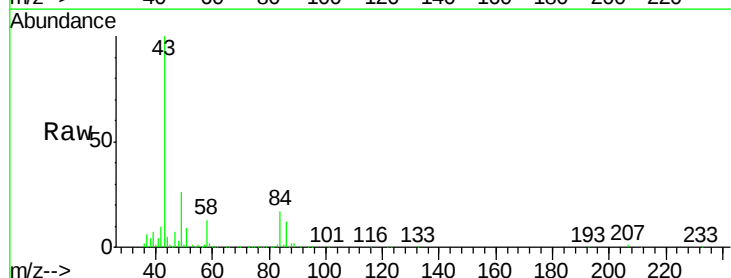
RT: 2.31 min Scan# 181

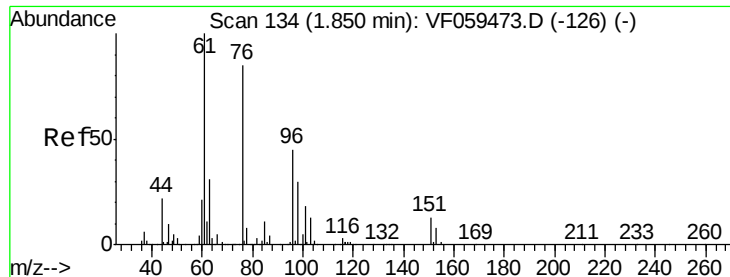
Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion:	43	Resp:	161317
Ion	Ratio	Lower	Upper
43	100		
58	13.1	10.5	15.7





#17

Carbon Disulfide

Concen: 66.28 ug/l

RT: 1.85 min Scan# 134

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 232136

Ion Ratio Lower Upper

76 100

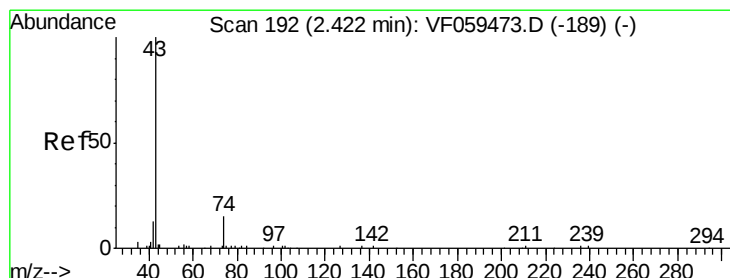
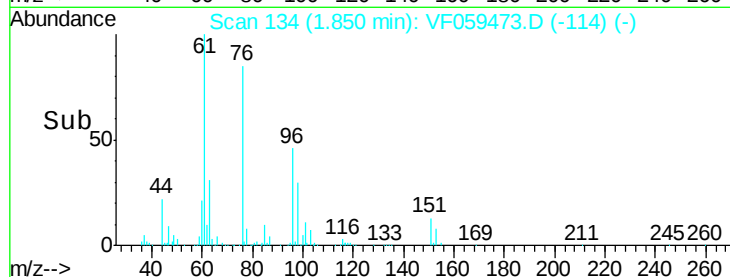
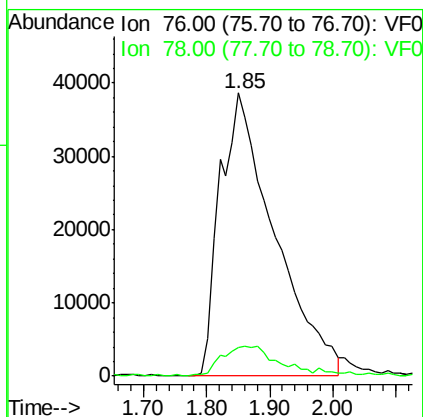
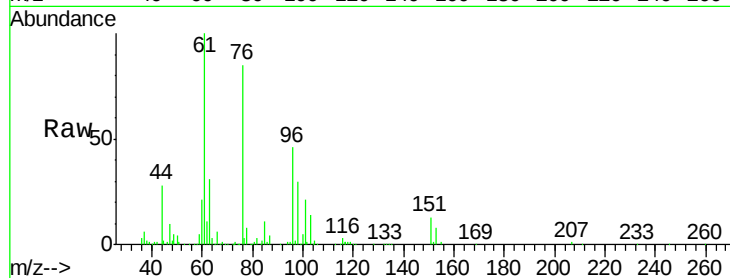
78 10.0 8.0 12.0

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#18

Methyl Acetate

Concen: 40.82 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF059473.D

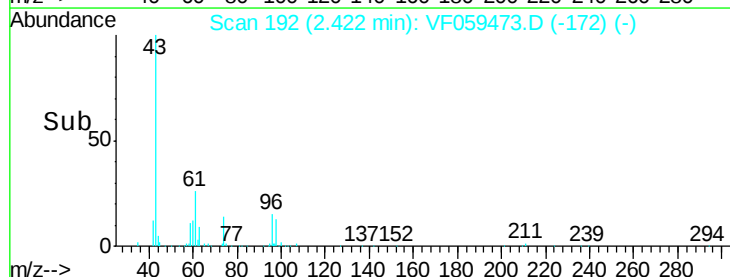
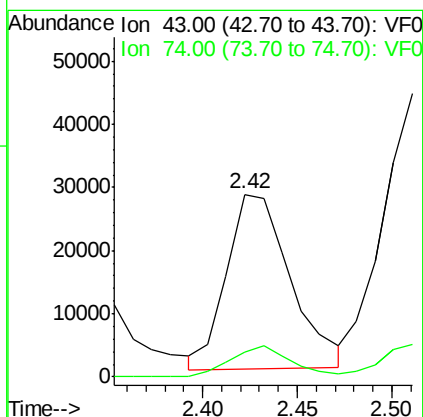
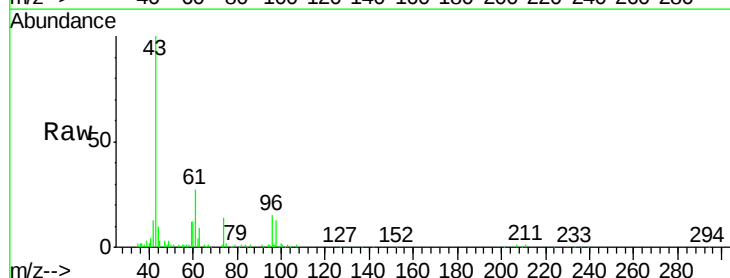
Acq: 7 Jul 2018 3:27

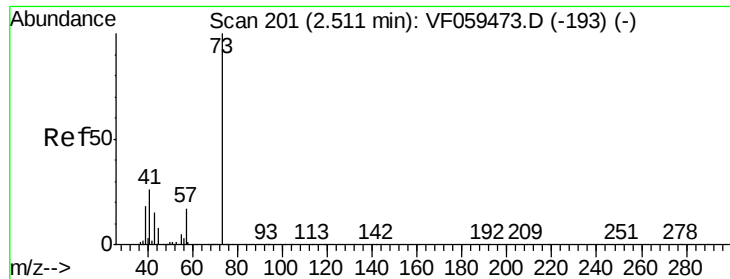
Tgt Ion: 43 Resp: 65187

Ion Ratio Lower Upper

43 100

74 13.5 10.8 16.2





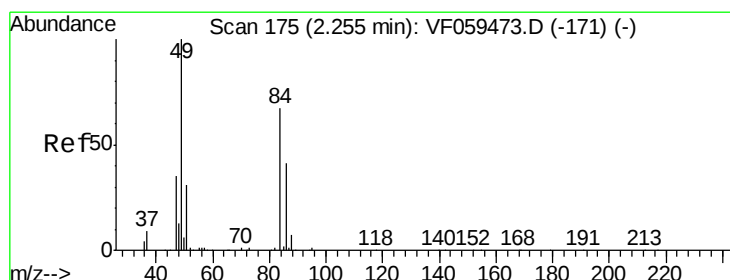
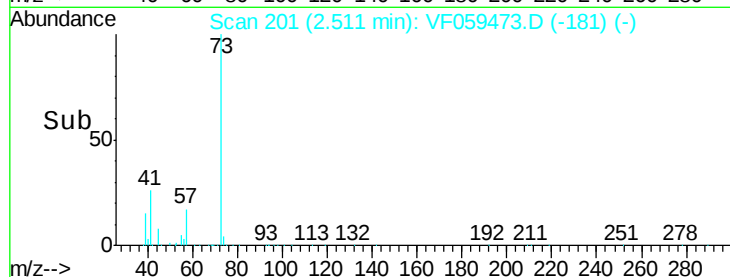
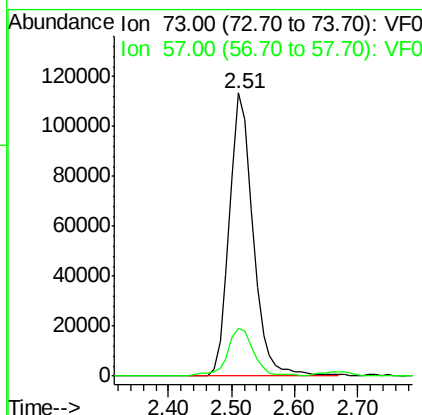
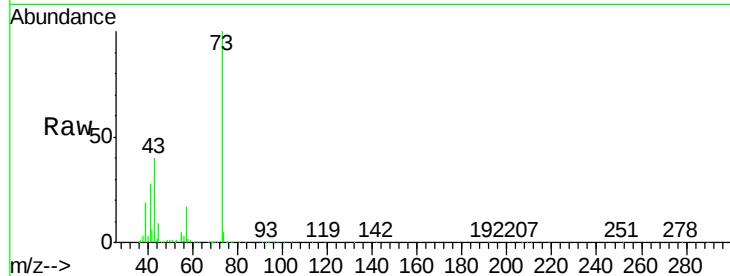
#19
Methvl tert-butvl Ether
Concen: 55.40 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.1	13.7	20.5

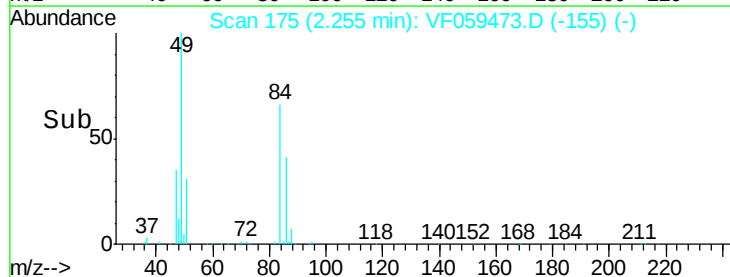
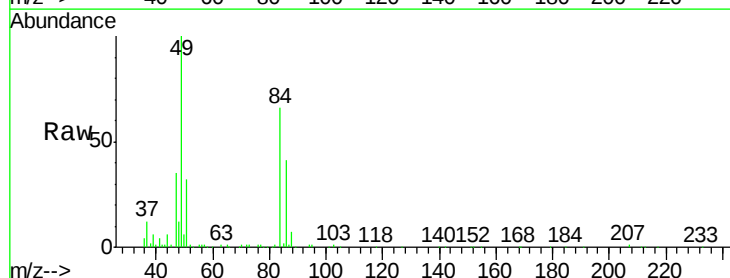
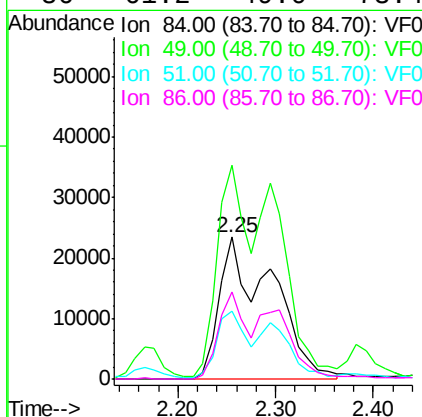
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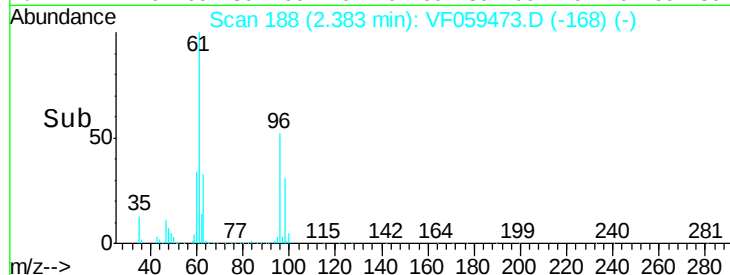
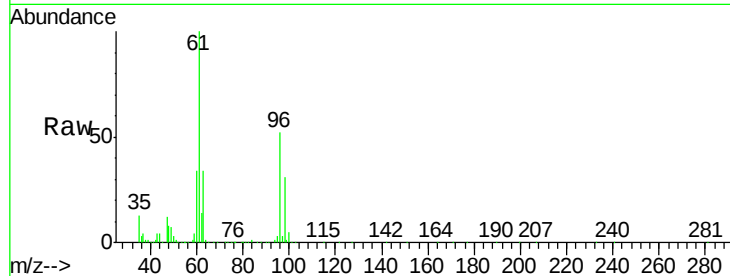
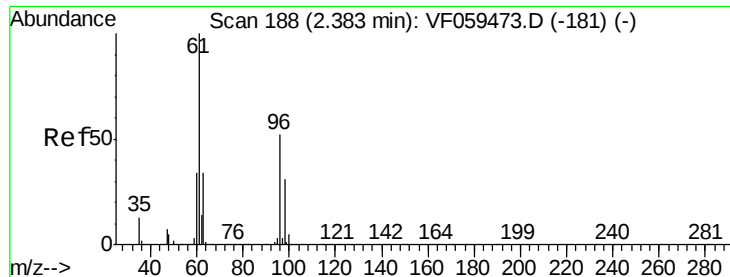
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#20
Methylene Chloride
Concen: 38.08 ug/l m
RT: 2.25 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.5	120.4	180.6
51	47.6	38.1	57.1
86	61.2	49.0	73.4





#21

trans-1,2-Dichloroethene

Concen: 58.94 ug/l

RT: 2.38 min Scan# 188

Delta R.T. 0.00 min

Lab File: VF059473.D

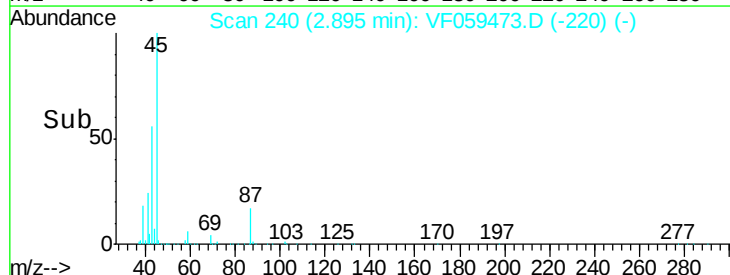
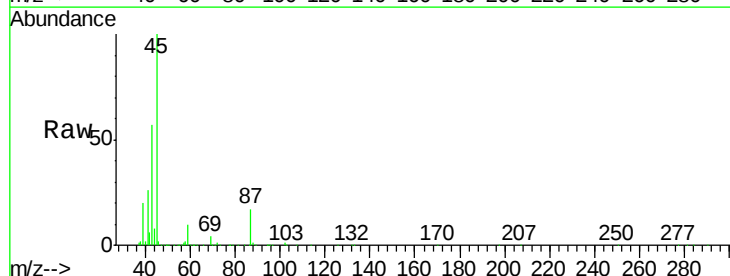
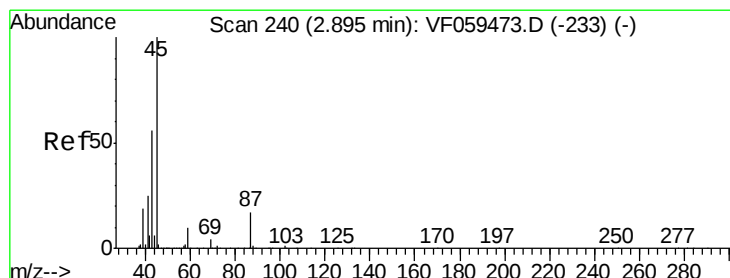
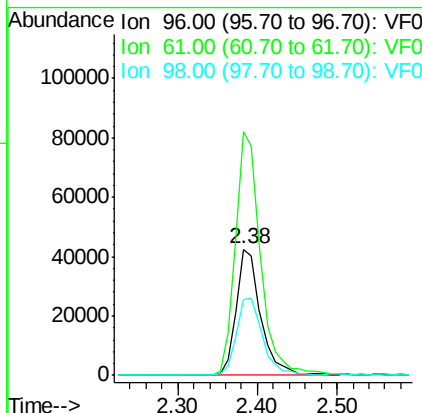
Acq: 7 Jul 2018 3:27

Tot Ion:	96	Resp:	91938
Ion	Ratio	Lower	Upper
96	100		
61	192.9	154.3	231.5
98	60.3	48.2	72.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

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#22

Diisopropyl ether

Concen: 52.49 ug/l

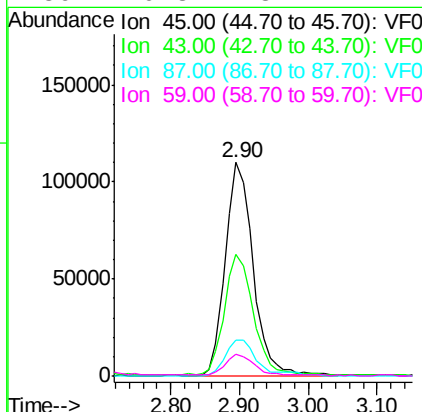
RT: 2.90 min Scan# 240

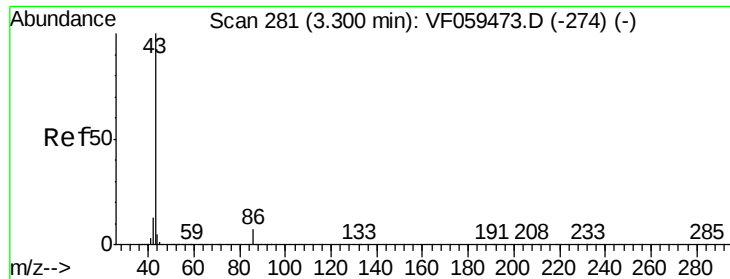
Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion:	45	Resp:	308079
Ion	Ratio	Lower	Upper
45	100		
43	56.8	45.4	68.2
87	16.9	13.5	20.3
59	10.3	8.2	12.4





#23

Vinyl Acetate

Concen: 261.79 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 970605

Ion Ratio Lower Upper

43 100

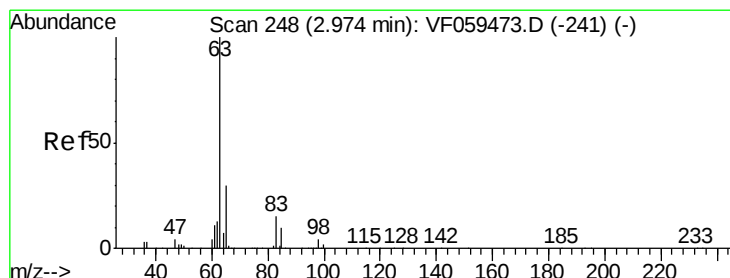
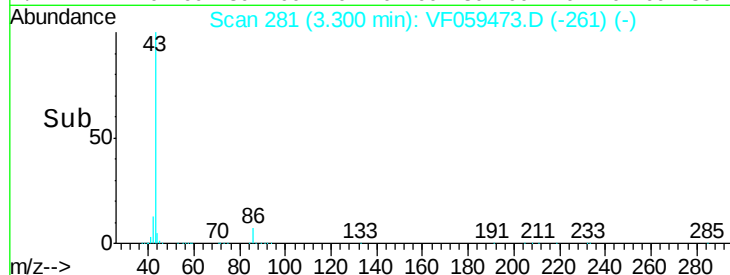
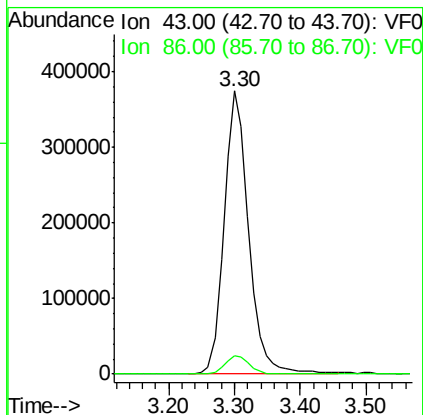
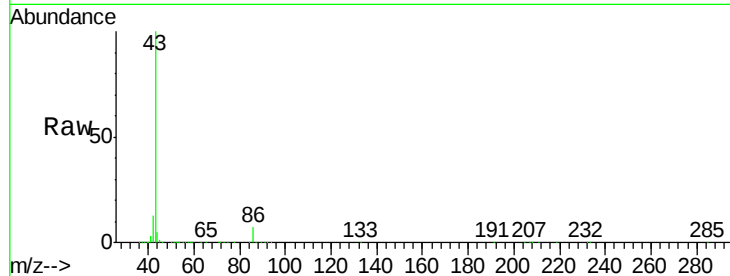
86 6.6 5.3 7.9

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#24

1,1-Dichloroethane

Concen: 57.03 ug/l

RT: 2.97 min Scan# 248

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

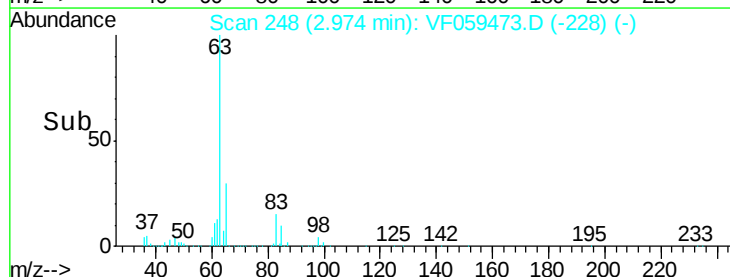
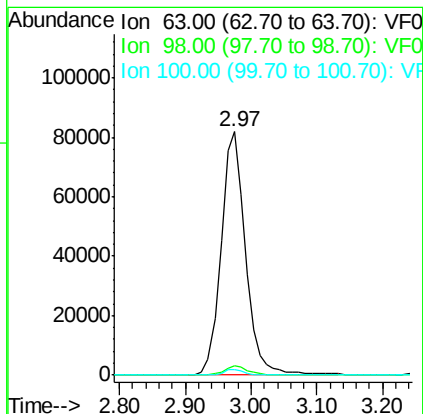
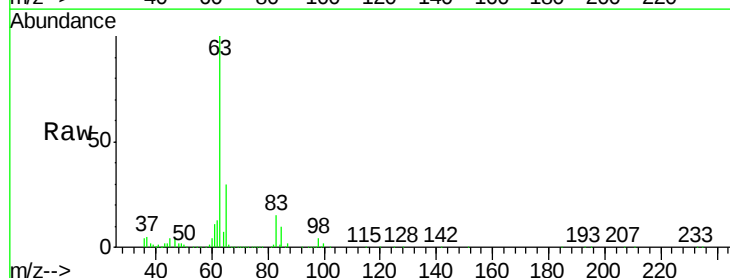
Tgt Ion: 63 Resp: 211987

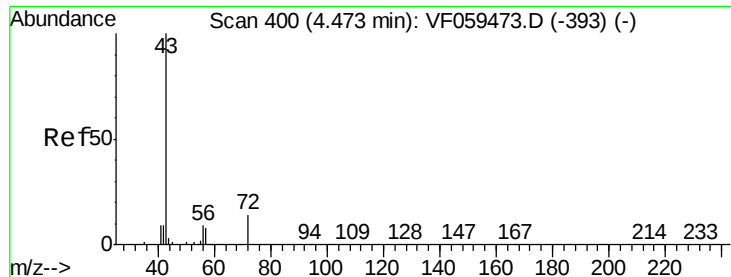
Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.5

100 2.2 1.1 3.3





#25

2-Butanone

Concen: 223.07 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 216945

Ion Ratio Lower Upper

43 100

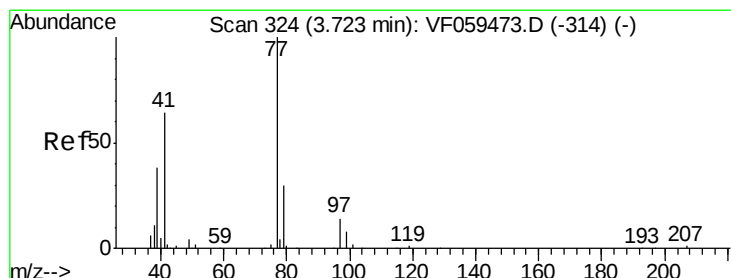
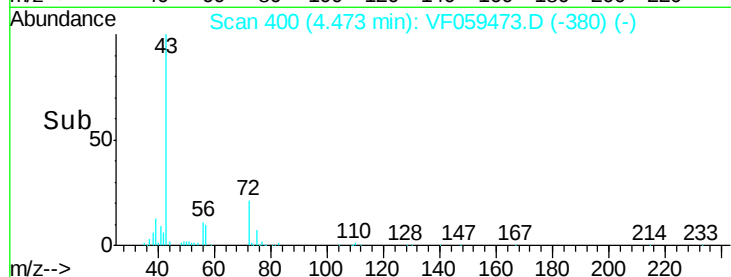
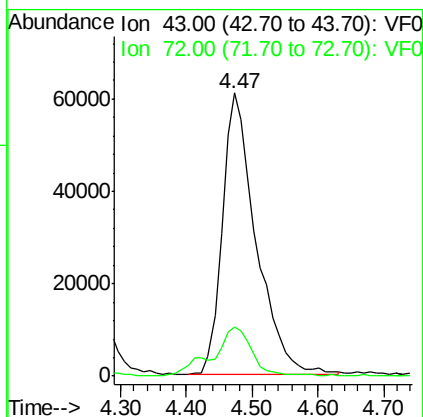
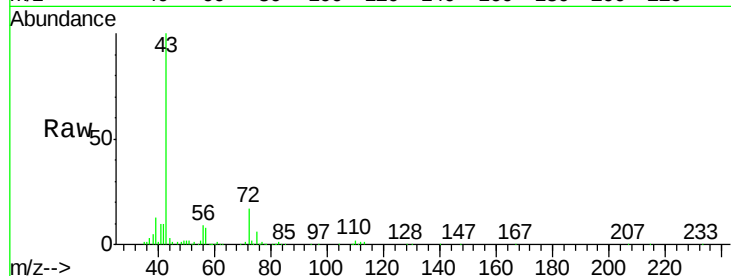
72 17.3 13.8 20.8

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#26

2,2-Dichloropropane

Concen: 50.45 ug/l

RT: 3.72 min Scan# 324

Delta R.T. 0.00 min

Lab File: VF059473.D

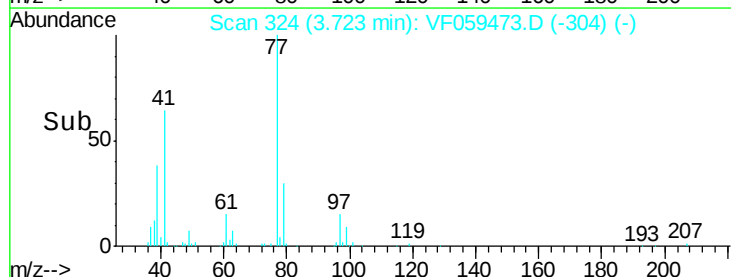
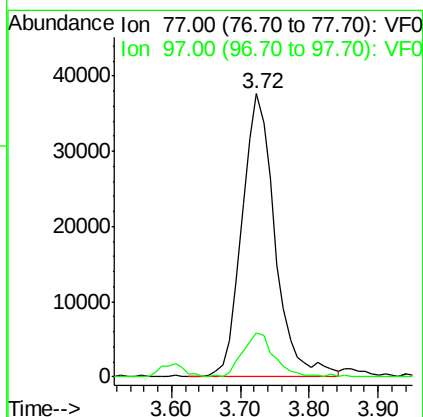
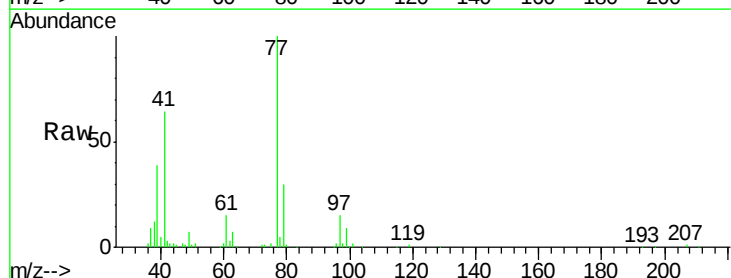
Acq: 7 Jul 2018 3:27

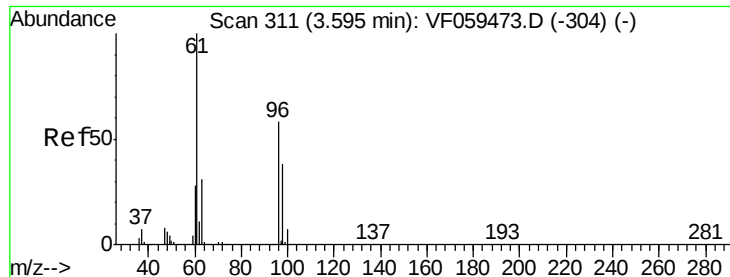
Tgt Ion: 77 Resp: 125567

Ion Ratio Lower Upper

77 100

97 15.4 7.7 23.1





#27

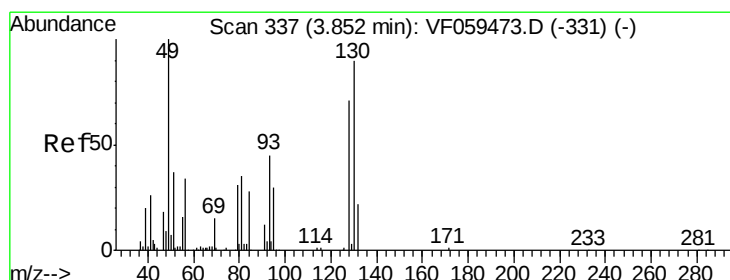
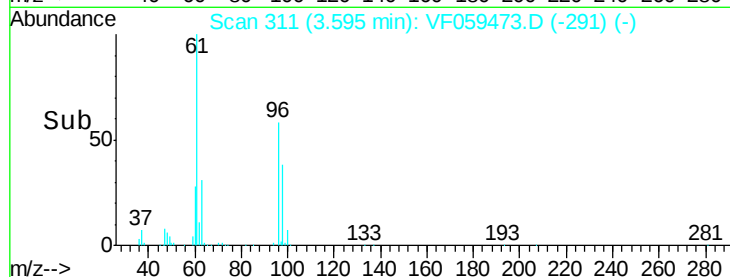
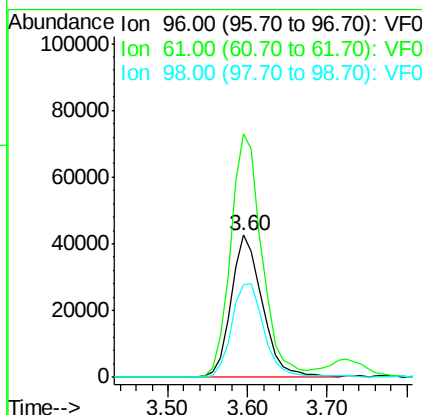
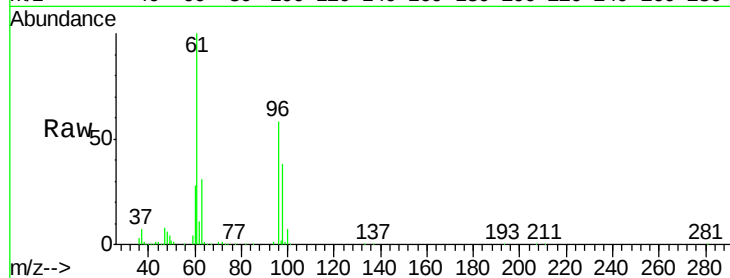
cis-1,2-Dichloroethene
Concen: 51.20 ug/l
RT: 3.60 min Scan# 311
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	117080		
61	171.0	0.0	342.0	
98	65.0	0.0	130.0	

Manual Integrations
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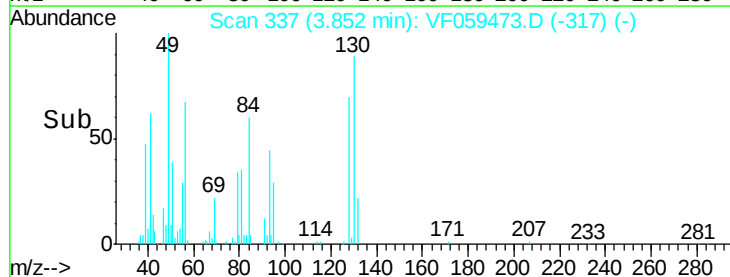
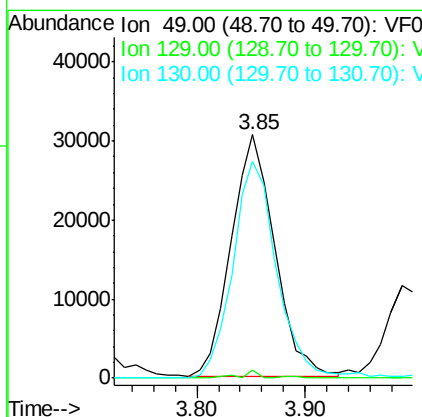
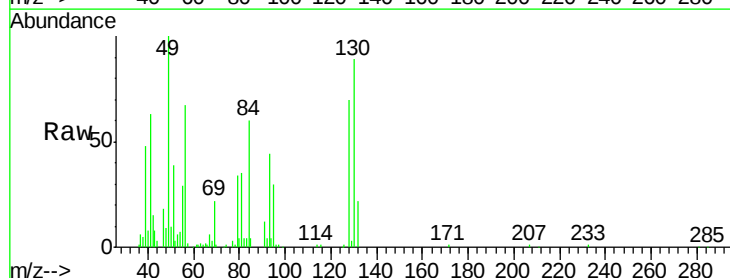
apatel
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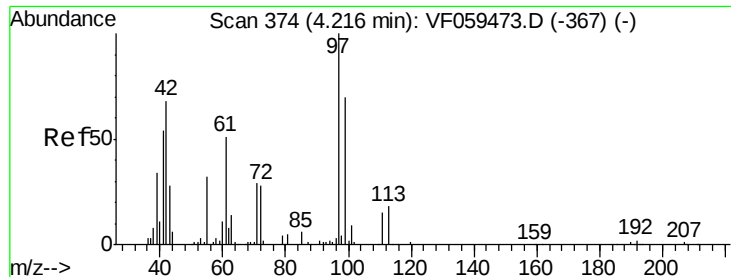


#28

Bromochloromethane
Concen: 52.78 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	85030		
129	3.1	0.0	6.2	
130	89.2	71.4	107.0	





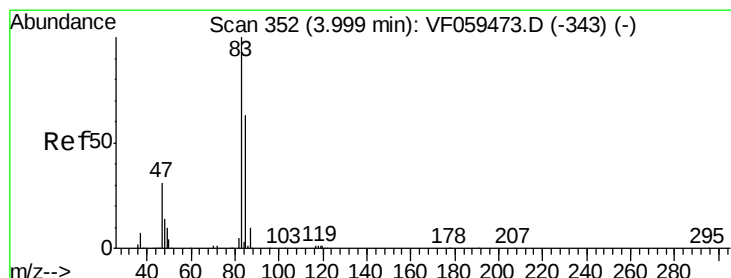
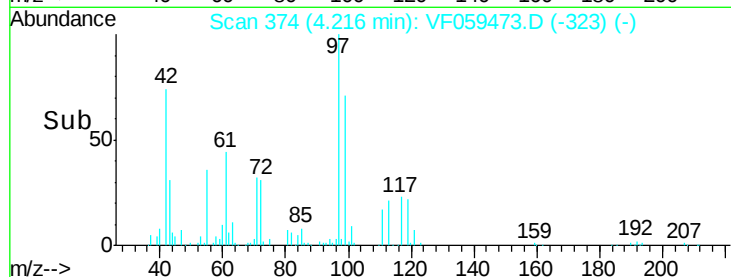
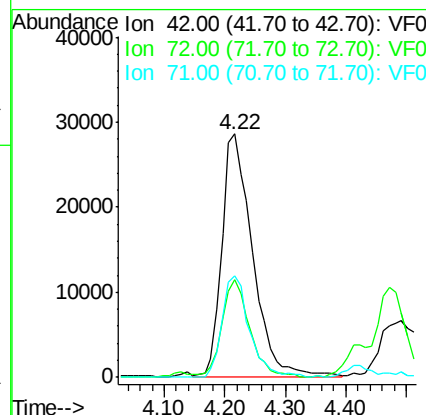
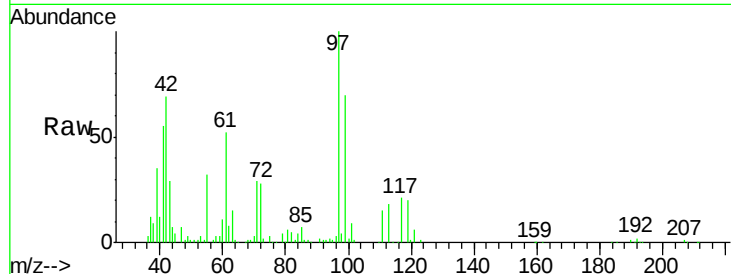
#29
Tetrahydrofuran
Concen: 234.20 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	36.5	29.2	43.8	
71	37.6	30.1	45.1	

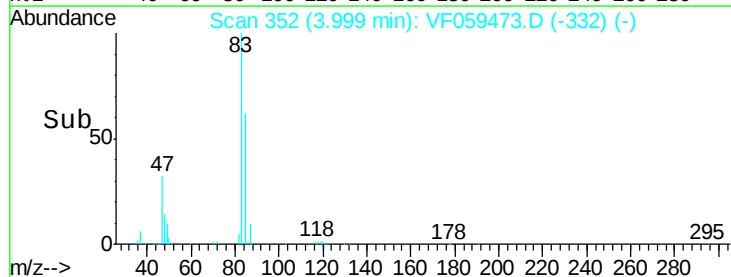
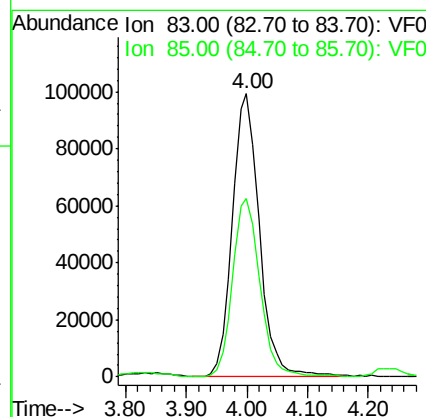
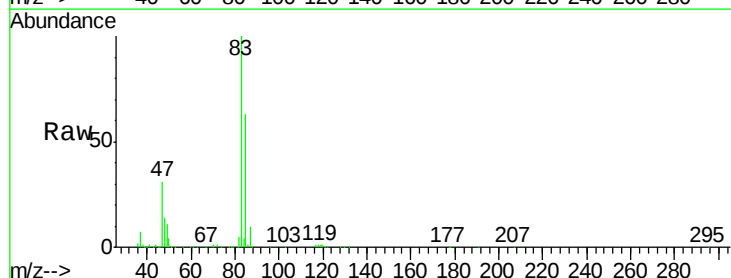
Manual Integrations
APPROVED

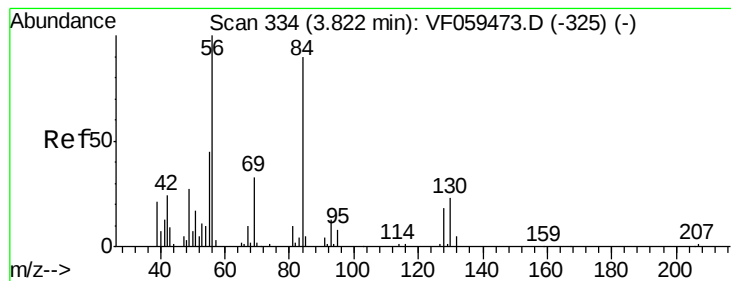
apatel
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#30
Chloroform
Concen: 57.05 ug/l
RT: 4.00 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.9	50.3	75.5	





#31

Cyclohexane

Concen: 53.07 ug/l

RT: 3.82 min Scan# 334

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

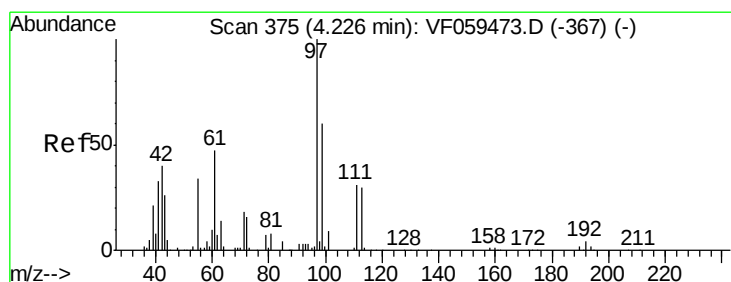
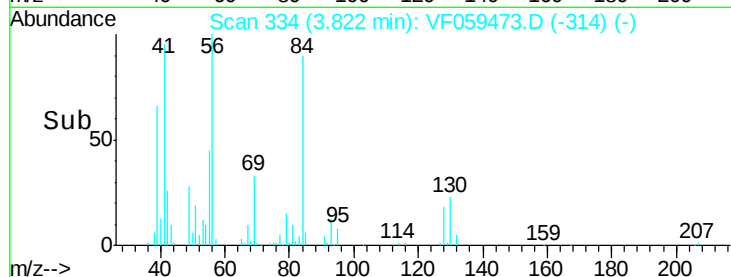
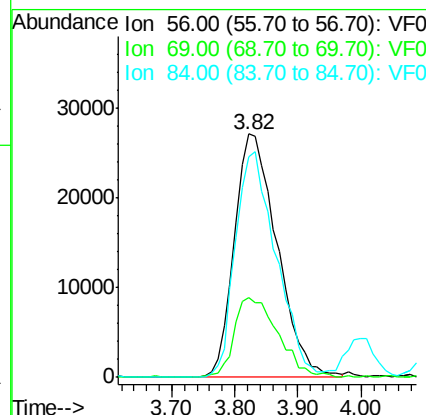
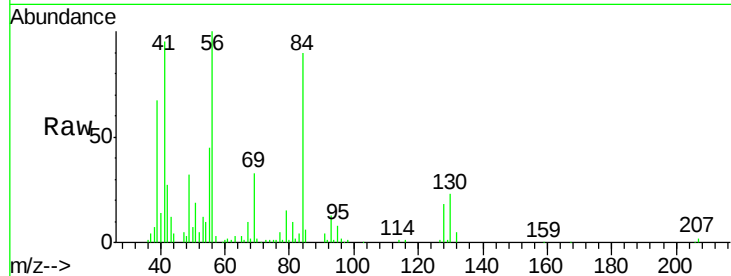
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	127513
Ion Ratio	Lower	Upper	
56	100		
69	32.7	26.2	39.2
84	90.4	72.3	108.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 58.75 ug/l

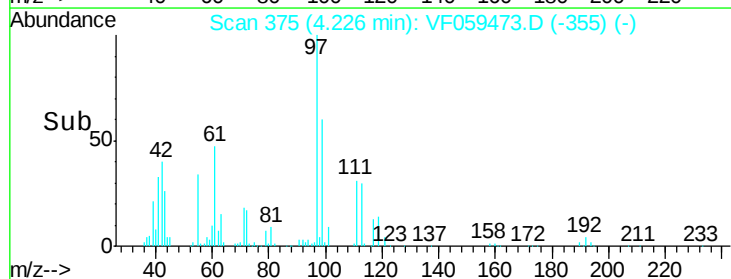
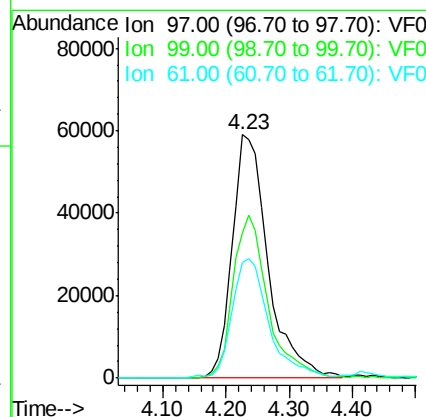
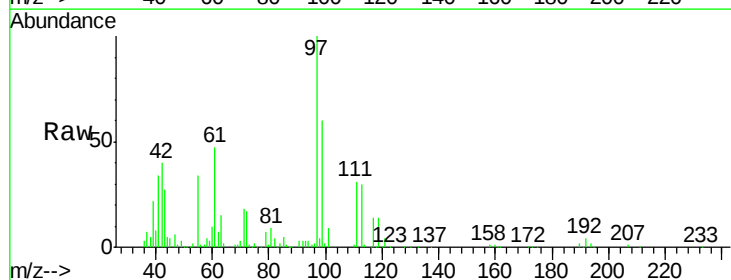
RT: 4.23 min Scan# 375

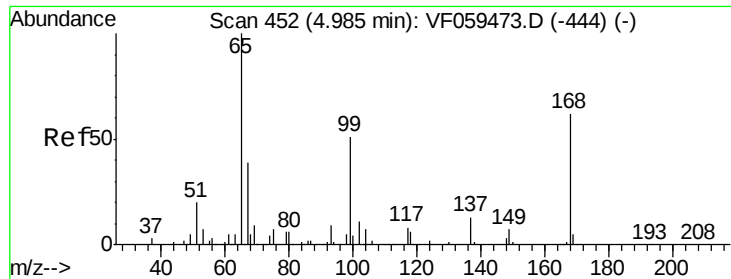
Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion:	97	Resp:	232664
Ion Ratio	Lower	Upper	
97	100		
99	59.7	47.8	71.6
61	47.4	37.9	56.9





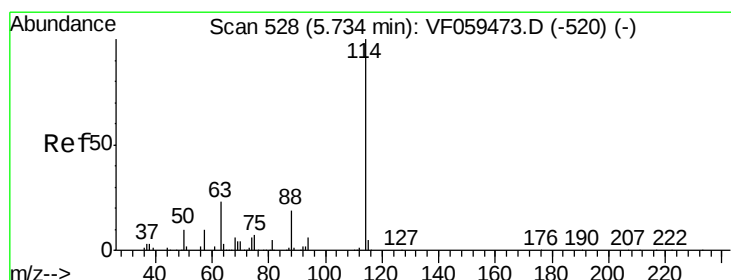
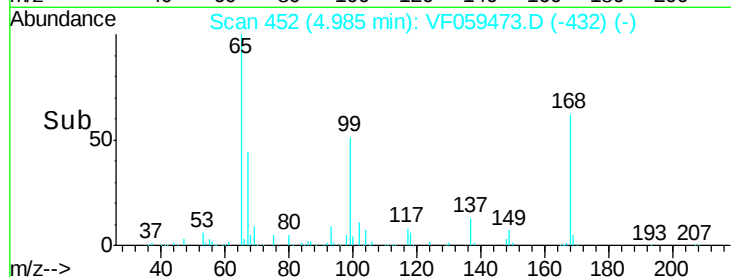
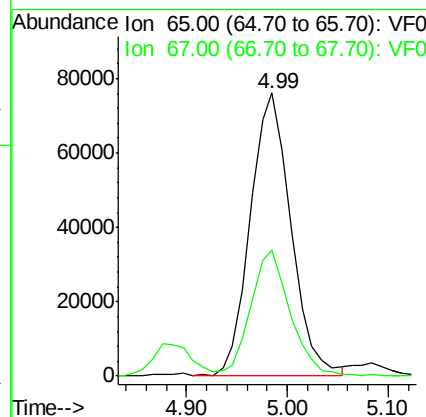
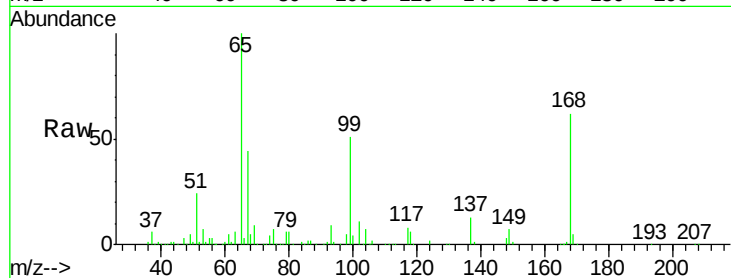
#33
1,2-Dichloroethane-d4
Concen: 64.46 ug/l
RT: 4.99 min Scan# 452
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211501		
67	44.3	0.0	88.6	

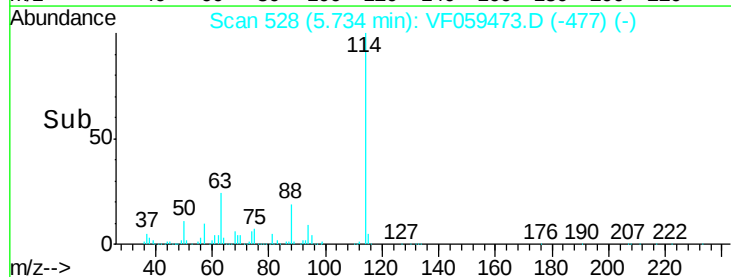
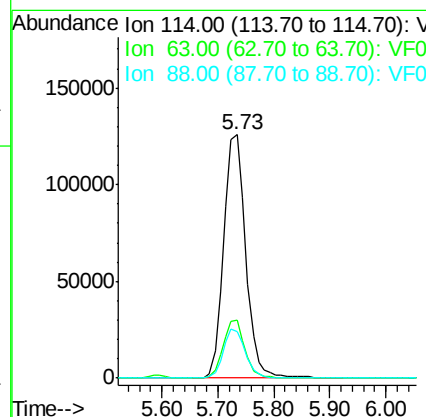
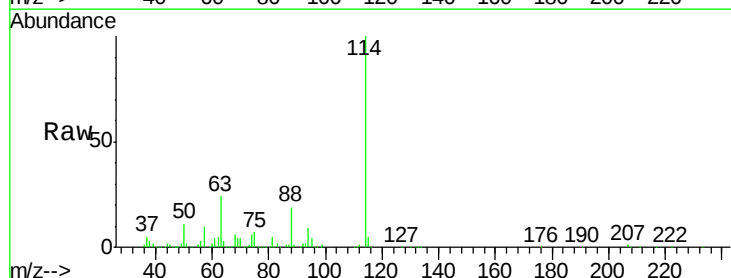
Manual Integrations
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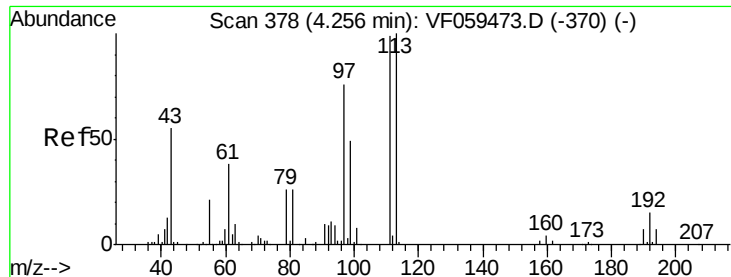
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#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.73 min Scan# 528
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	347923		
63	23.6	0.0	47.2	
88	19.0	0.0	38.0	





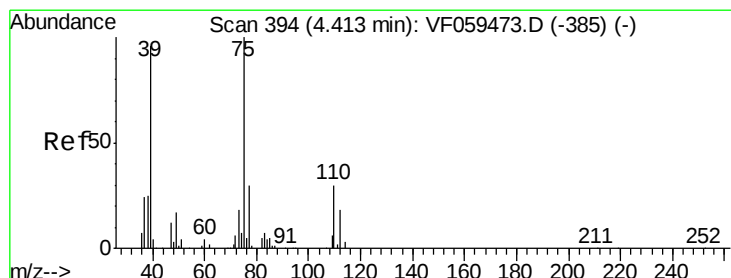
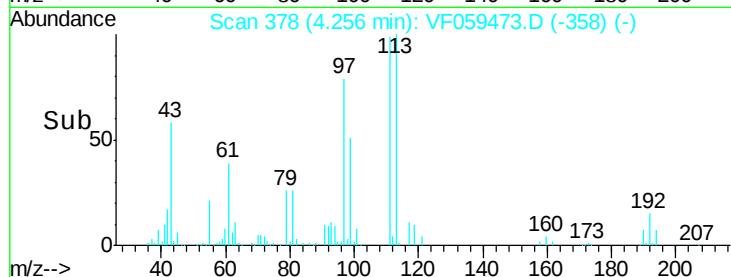
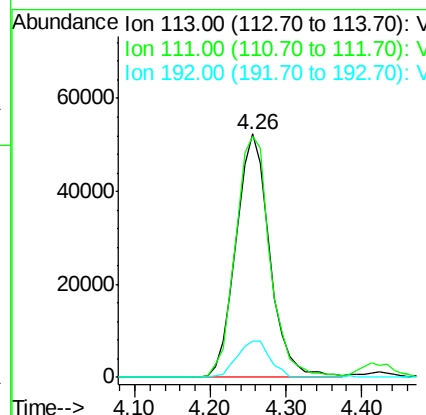
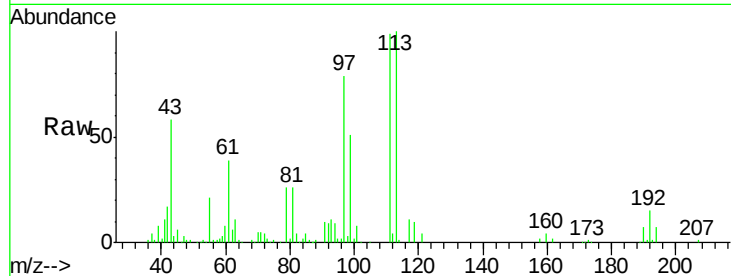
#35
 Dibromofluoromethane
 Concen: 60.16 ug/l
 RT: 4.26 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	161411		
111	99.1	79.3	118.9	
192	15.0	12.0	18.0	

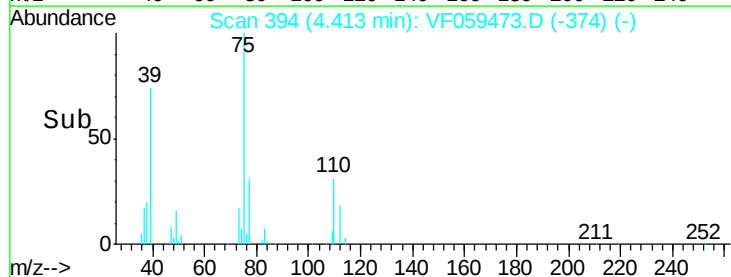
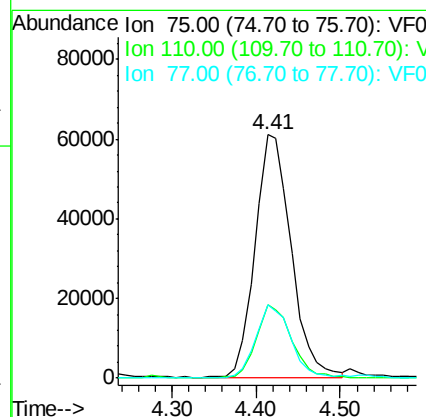
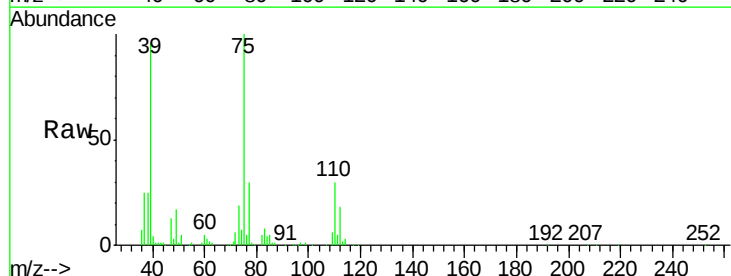
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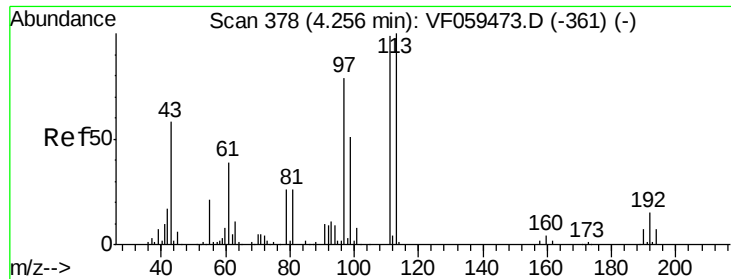
apatel
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#36
 1,1-Dichloropropene
 Concen: 57.80 ug/l
 RT: 4.41 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	183582		
110	30.3	15.2	45.5	
77	30.2	24.2	36.2	





#37

Ethyl Acetate

Concen: 51.27 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

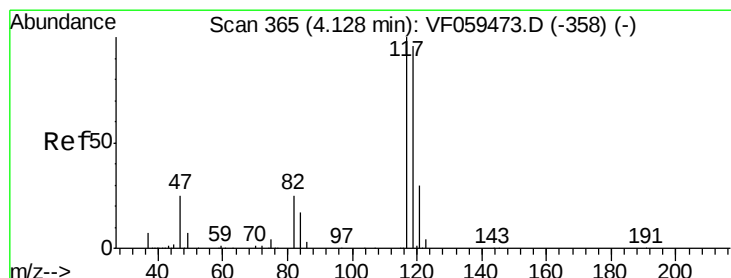
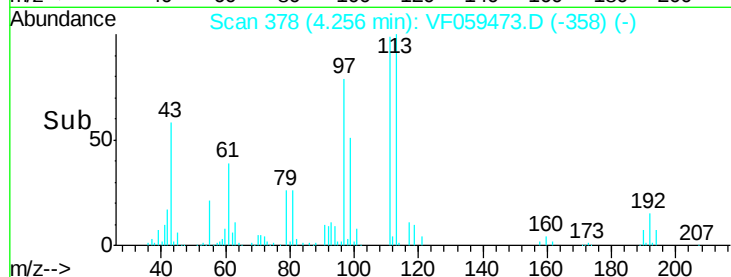
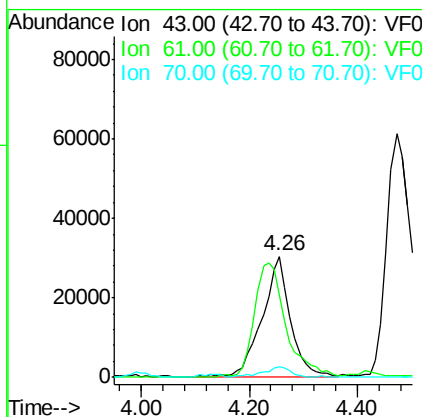
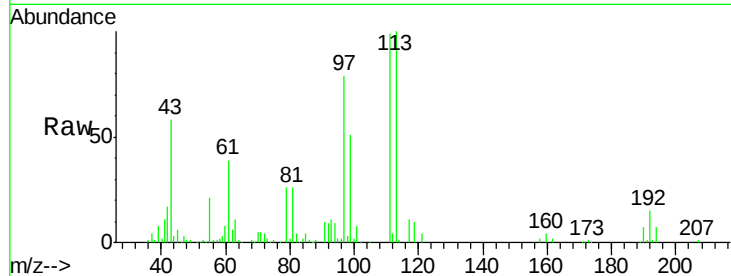
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	110209
Ion	Ratio	Lower	Upper
43	100		
61	67.8	54.2	81.4
70	8.8	7.0	10.6

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#38

Carbon Tetrachloride

Concen: 63.90 ug/l m

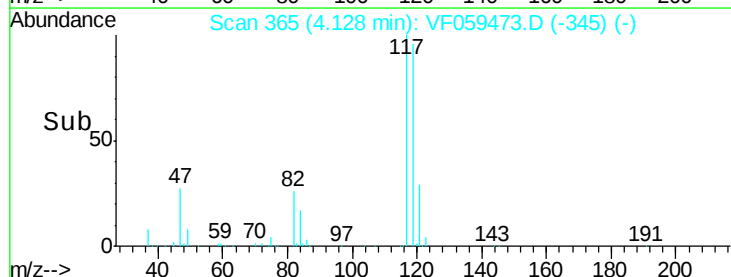
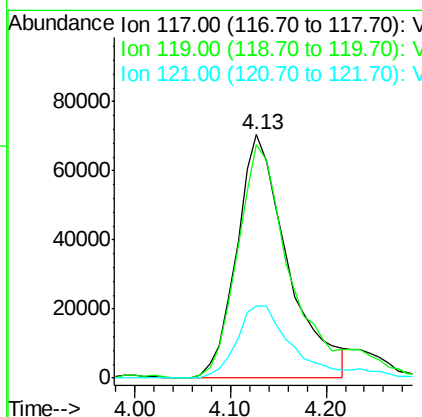
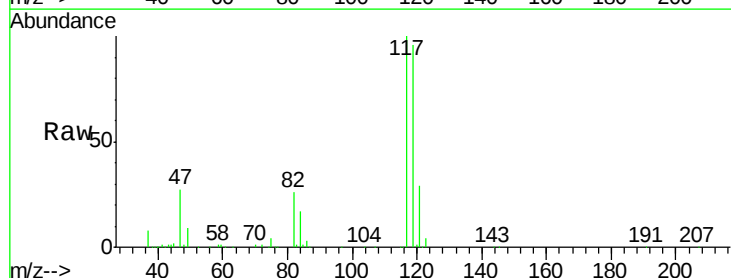
RT: 4.13 min Scan# 365

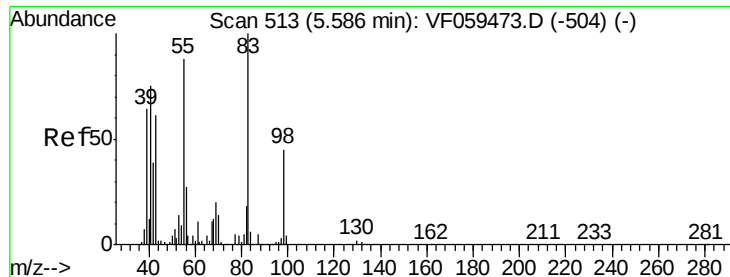
Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion:	117	Resp:	261184
Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
121	29.5	23.6	35.4





#39

Methylcyclohexane

Concen: 58.89 ug/l

RT: 5.59 min Scan# 513

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

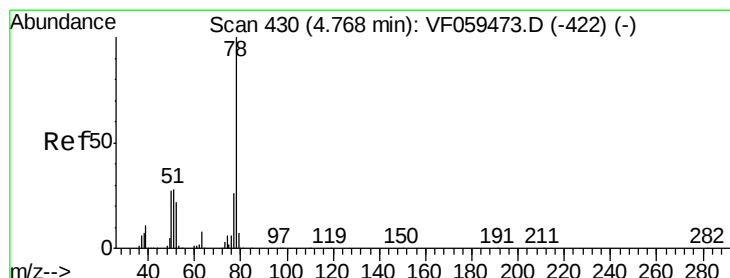
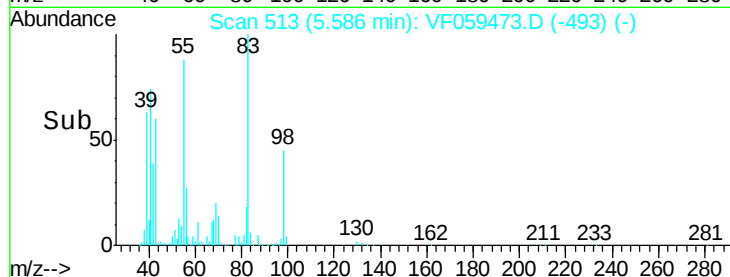
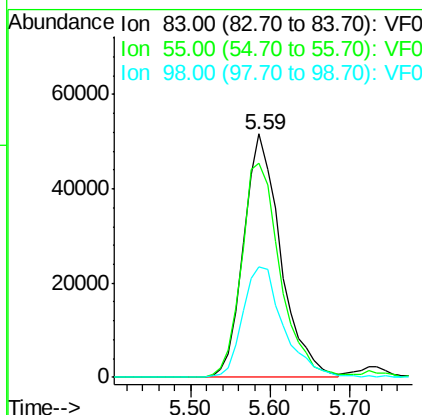
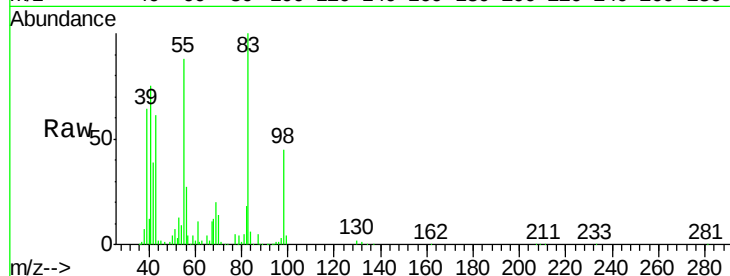
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	165908
Ion	Ratio	Lower	Upper
83	100		
55	88.2	70.6	105.8
98	45.4	36.3	54.5

Manual Integrations
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#40

Benzene

Concen: 50.75 ug/l

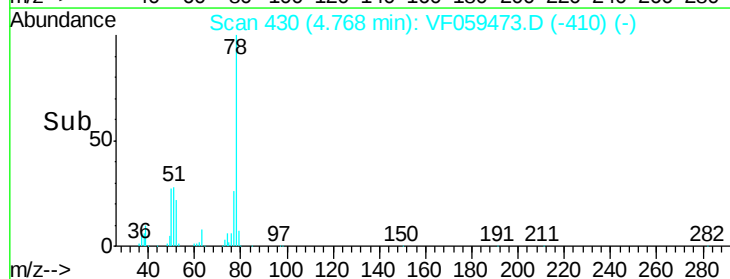
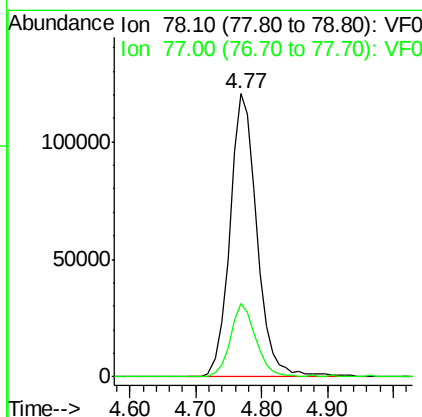
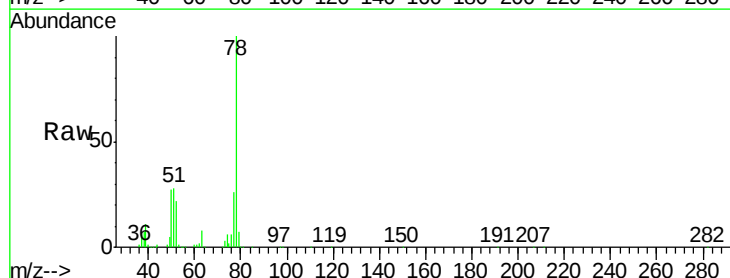
RT: 4.77 min Scan# 430

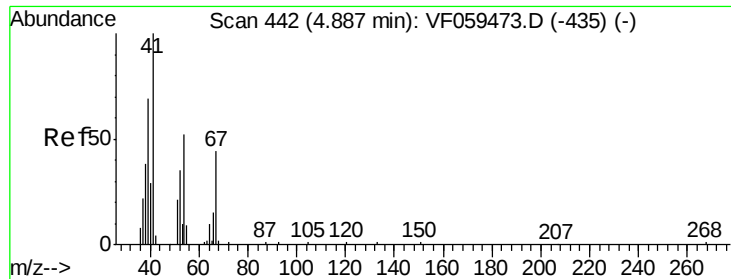
Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion:	78	Resp:	346825
Ion	Ratio	Lower	Upper
78	100		
77	26.0	20.8	31.2





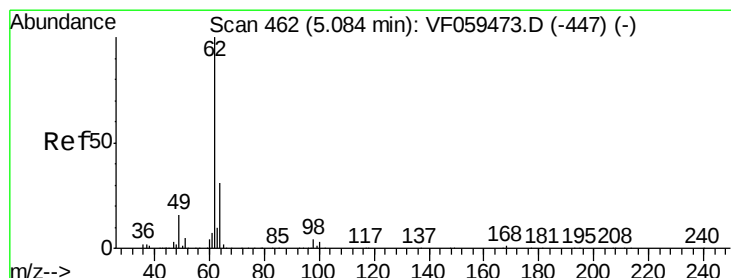
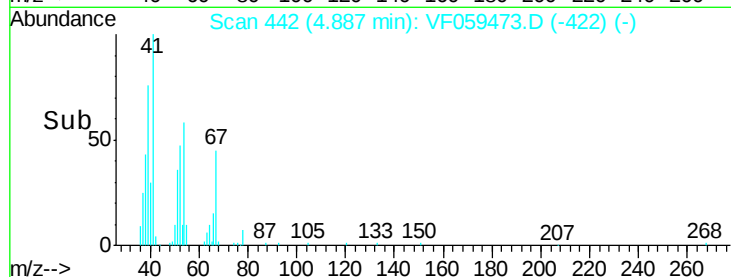
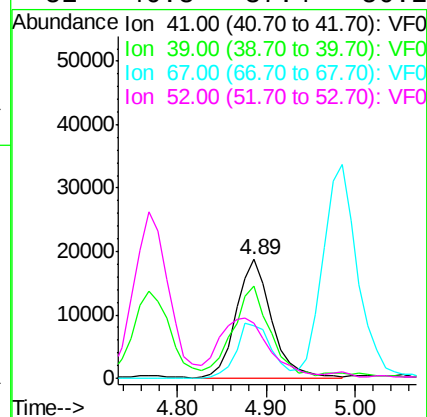
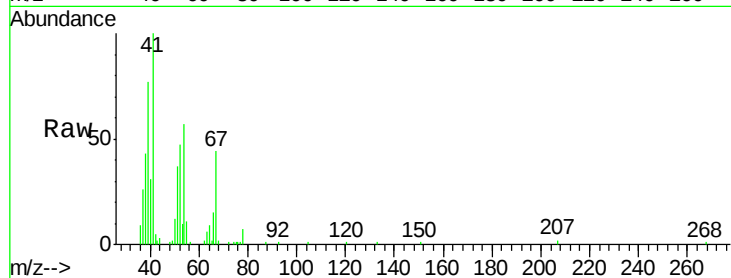
#41
Methacrylonitrile
Concen: 50.25 ug/l
RT: 4.89 min Scan# 442
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	77.1	61.7	92.5	
67	44.3	35.4	53.2	
52	46.8	37.4	56.2	

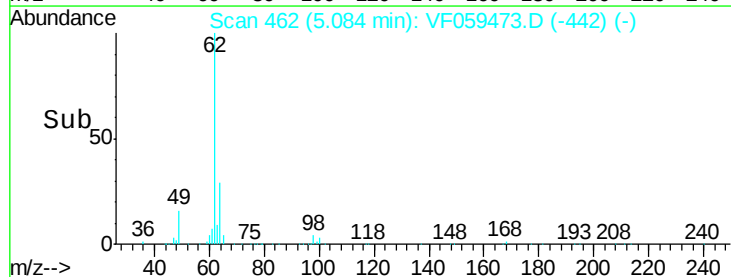
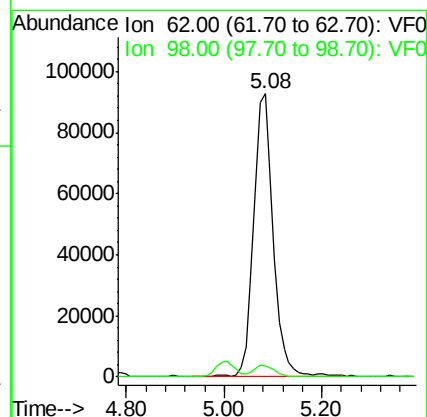
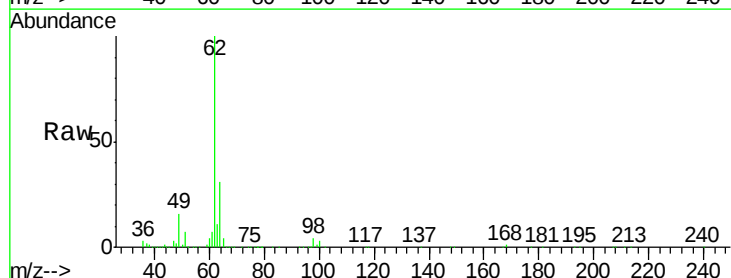
Manual Integrations
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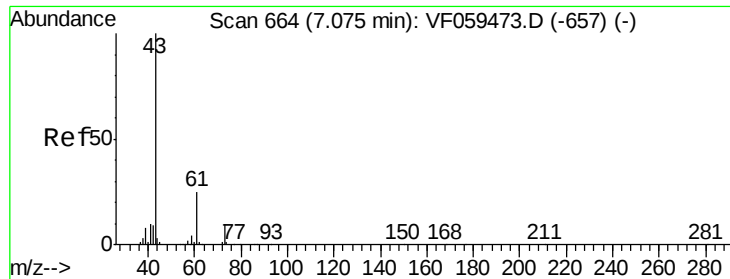
apatel
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#42
1,2-Dichloroethane
Concen: 62.54 ug/l
RT: 5.08 min Scan# 462
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	3.8	0.0	7.6	





#43

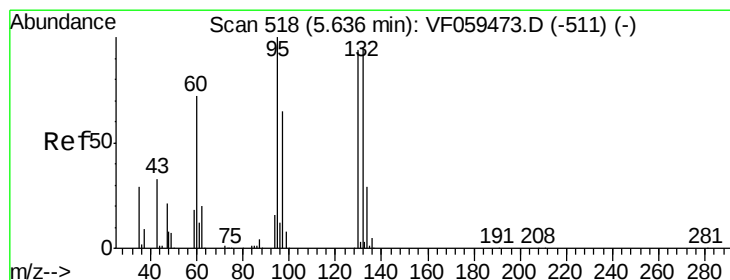
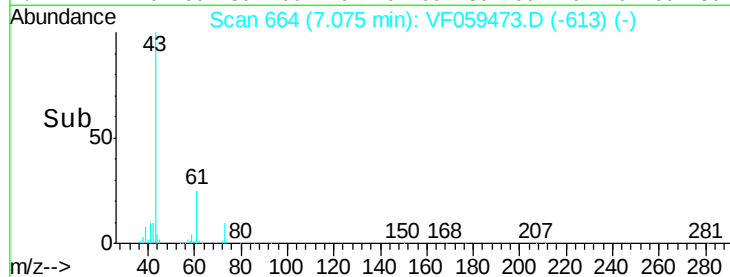
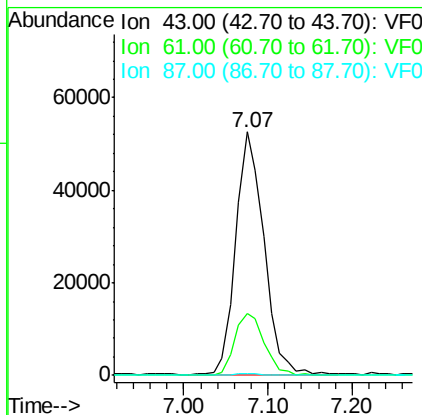
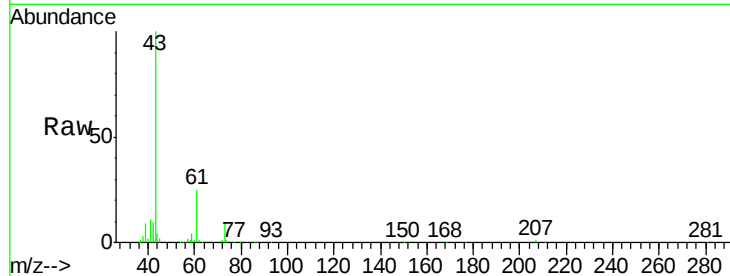
Isopropyl Acetate
 Concen: 48.73 ug/l
 RT: 7.07 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	43	Resp	122891
Ion Ratio	Lower	Upper	
43	100		
61	25.4	20.3	30.5
87	0.4	0.3	0.5

Manual Integrations
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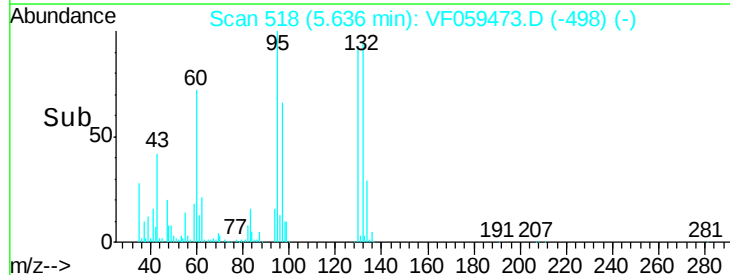
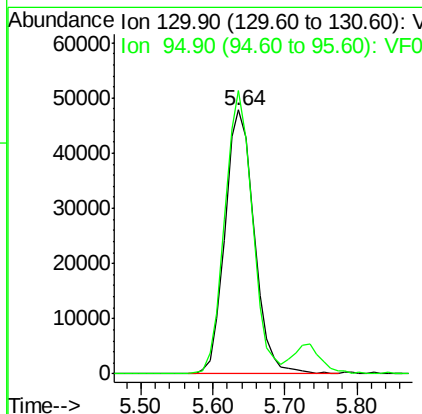
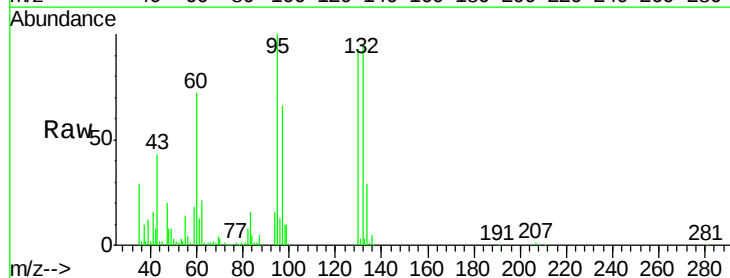
apatel
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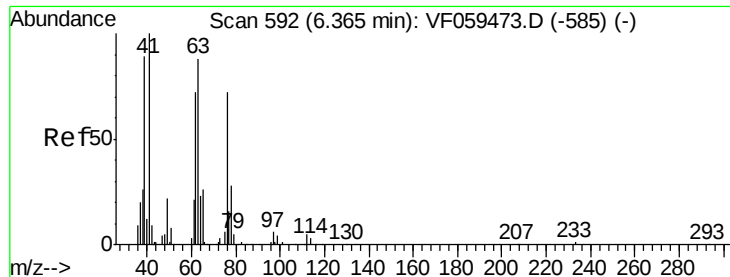


#44

Trichloroethene
 Concen: 56.37 ug/l
 RT: 5.64 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Tgt Ion	130	Resp	135047
Ion Ratio	Lower	Upper	
130	100		
95	107.3	0.0	214.6





#45

1,2-Dichloropropane

Concen: 49.94 ug/l

RT: 6.37 min Scan# 592

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 97177

Ion Ratio Lower Upper

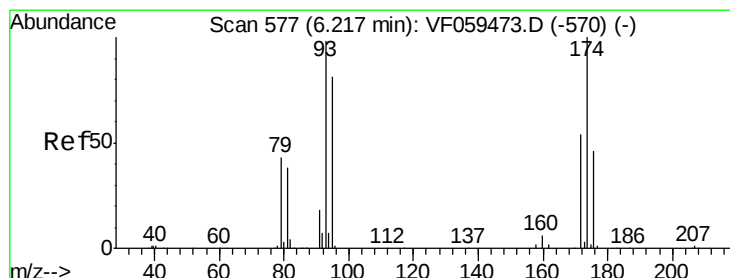
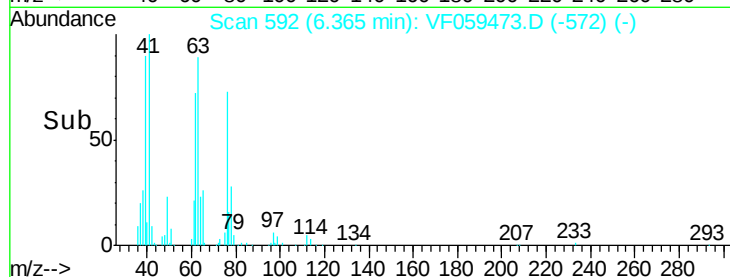
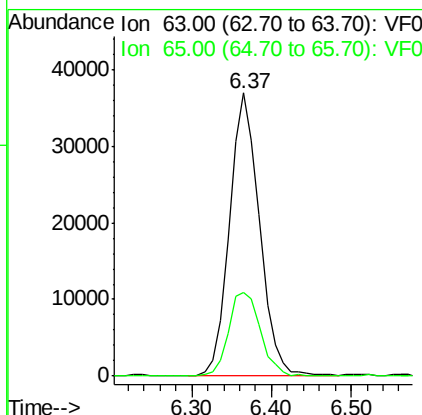
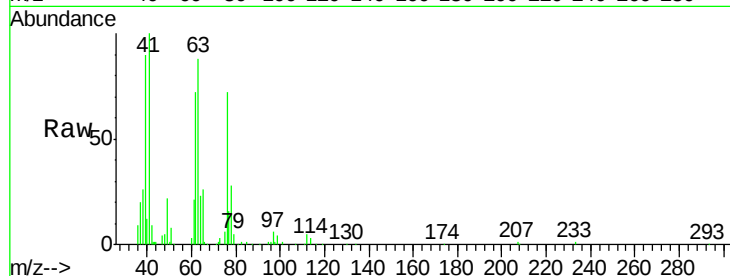
63 100

65 29.4 23.5 35.3

Manual Integrations
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#46

Dibromomethane

Concen: 57.61 ug/l

RT: 6.22 min Scan# 577

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

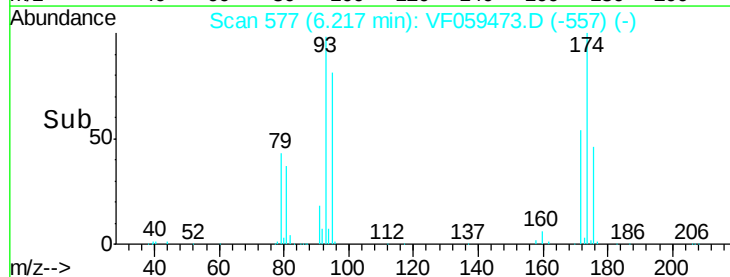
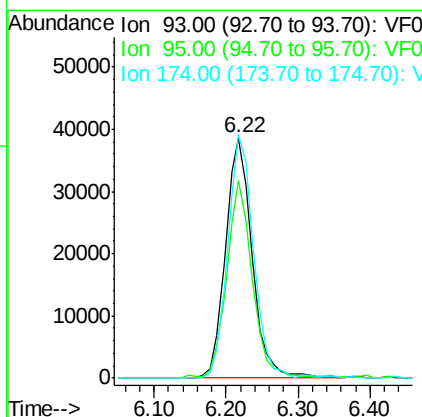
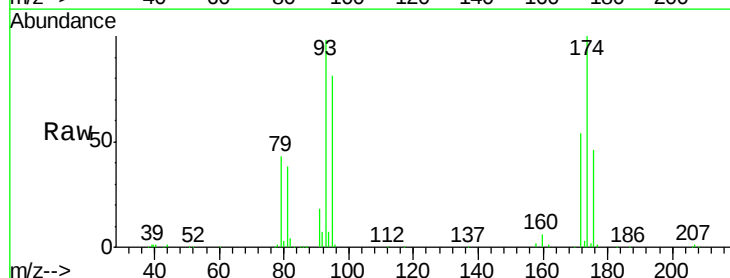
Tgt Ion: 93 Resp: 98755

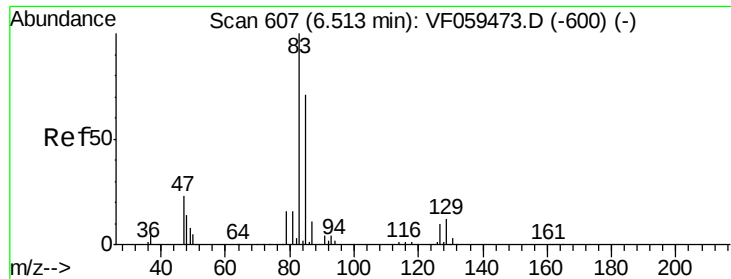
Ion Ratio Lower Upper

93 100

95 82.4 65.9 98.9

174 104.0 83.2 124.8





#47

Bromodichloromethane

Concen: 58.13 ug/l

RT: 6.51 min Scan# 607

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

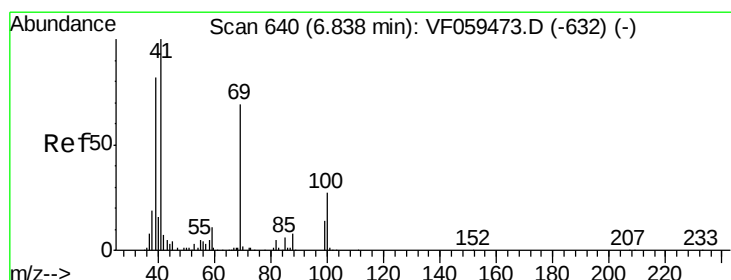
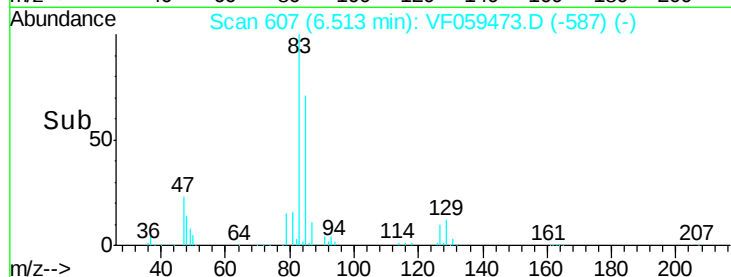
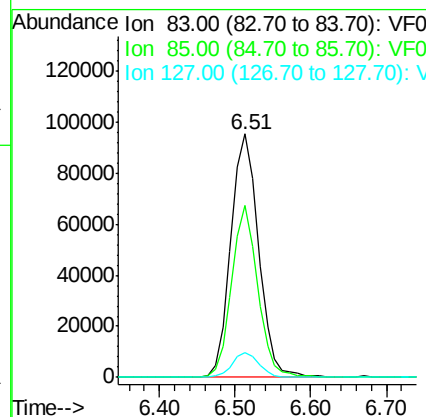
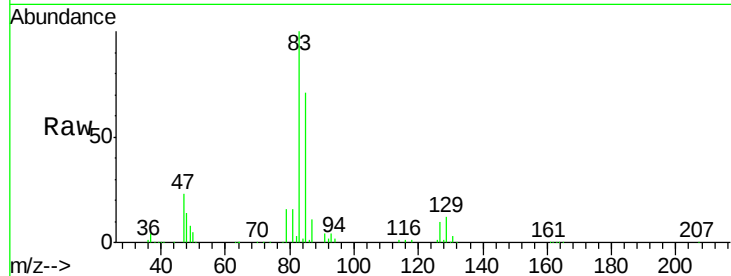
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	242654
Ion	Ratio	Lower	Upper
83	100		
85	70.7	56.6	84.8
127	10.1	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.95 ug/l

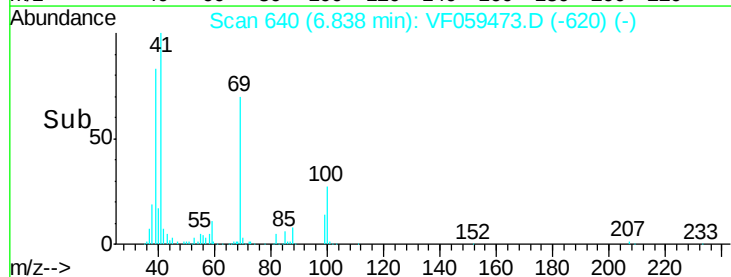
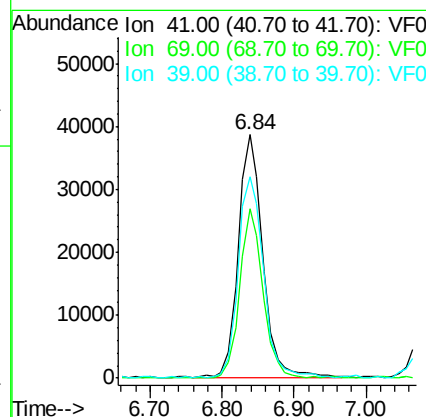
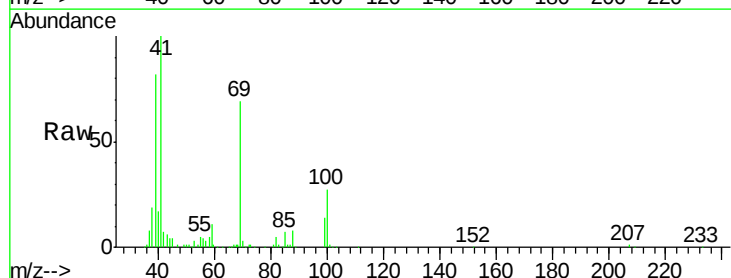
RT: 6.84 min Scan# 640

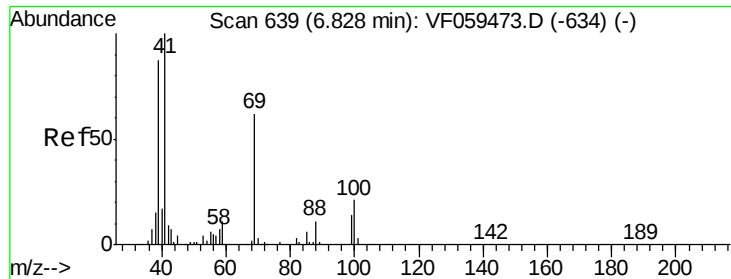
Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion:	41	Resp:	92640
Ion	Ratio	Lower	Upper
41	100		
69	69.5	55.6	83.4
39	82.5	66.0	99.0





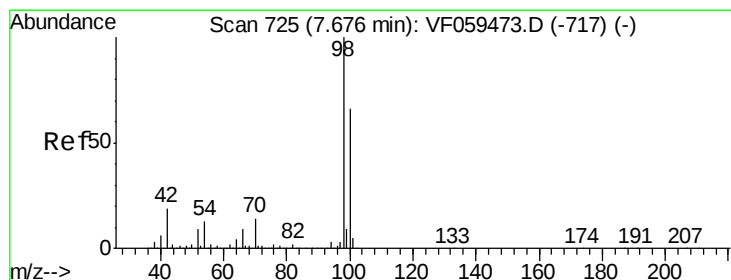
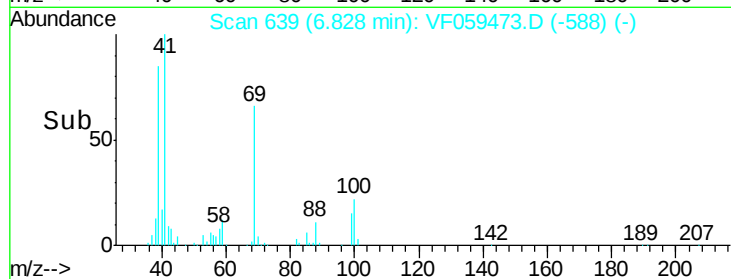
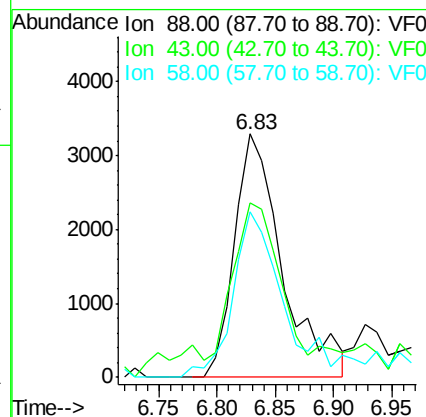
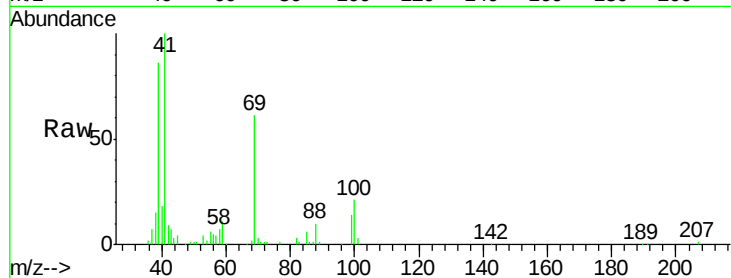
#49
1,4-Dioxane
Concen: 911.59 ug/l
RT: 6.83 min Scan# 639
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	71.6	57.3	85.9
58	68.2	54.6	81.8

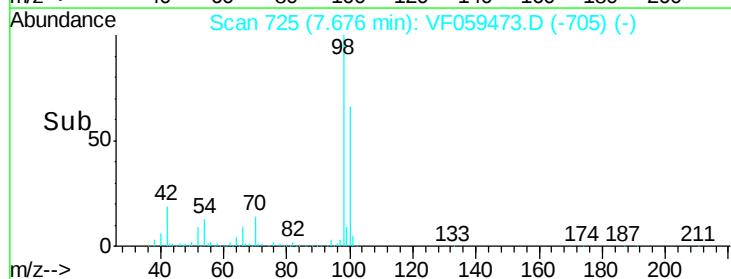
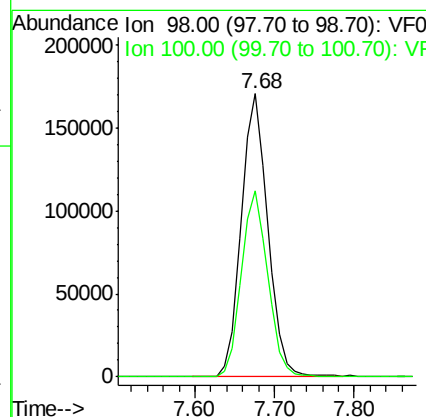
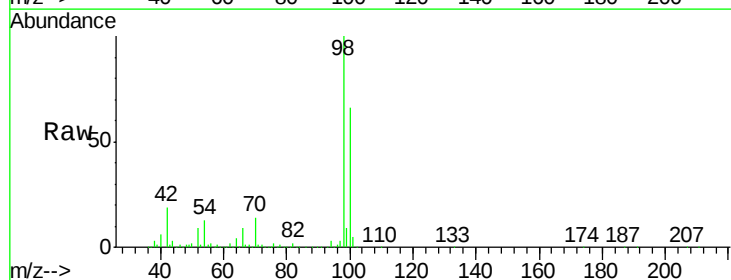
Manual Integrations
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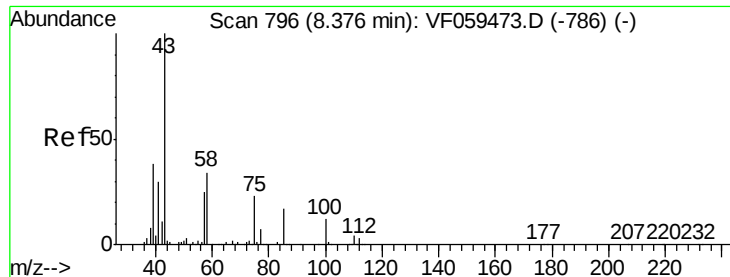
apatel
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#50
Toluene-d8
Concen: 59.72 ug/l
RT: 7.68 min Scan# 725
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 255.80 ug/l

RT: 8.38 min Scan# 796

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 480928

Ion Ratio Lower Upper

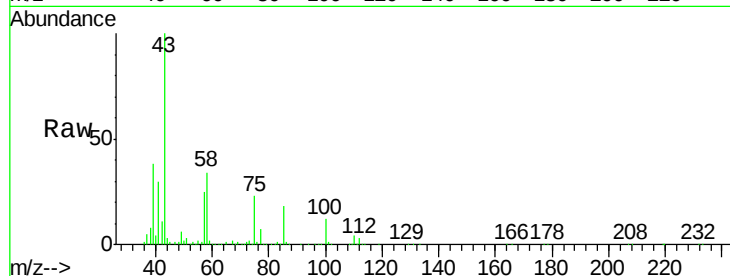
43 100

58 34.3 27.4 41.2

Manual Integrations
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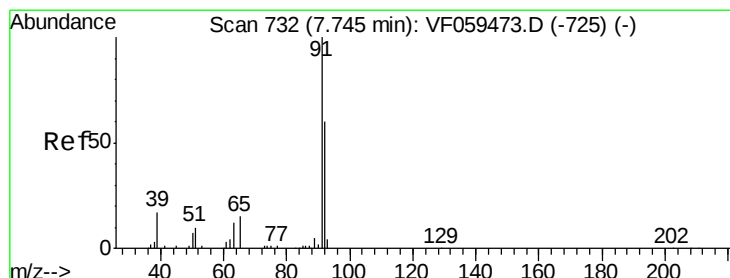
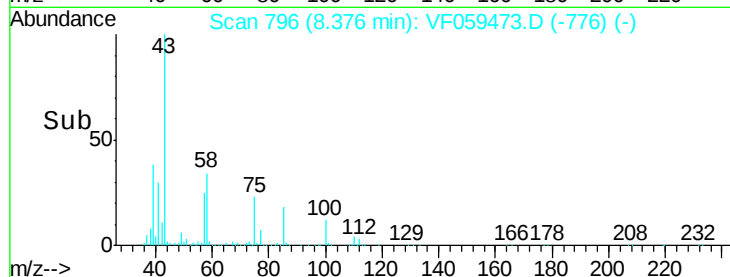
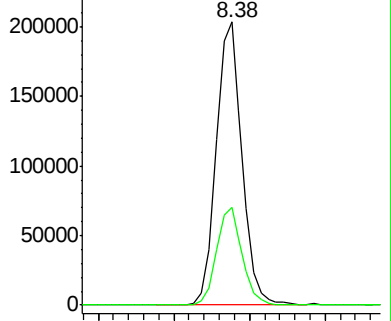
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 53.73 ug/l

RT: 7.75 min Scan# 732

Delta R.T. 0.00 min

Lab File: VF059473.D

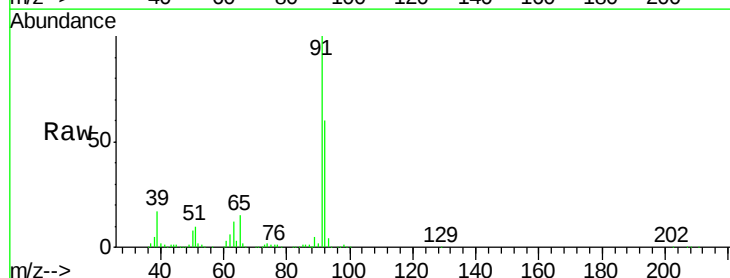
Acq: 7 Jul 2018 3:27

Tgt Ion: 92 Resp: 276604

Ion Ratio Lower Upper

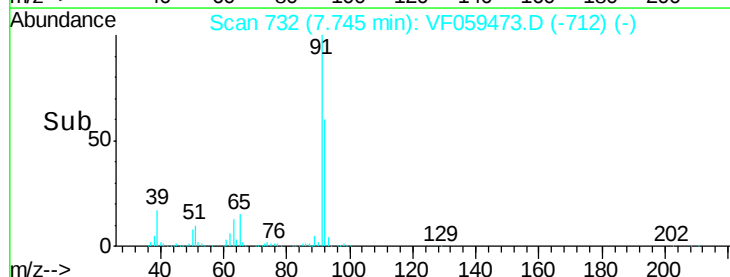
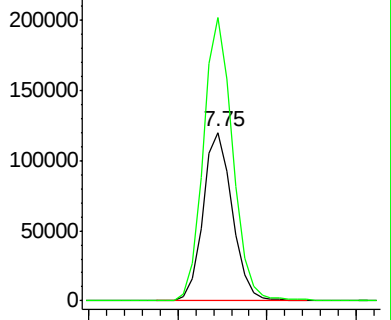
92 100

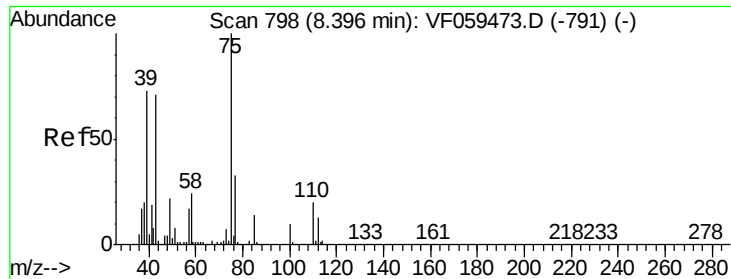
91 167.9 134.3 201.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





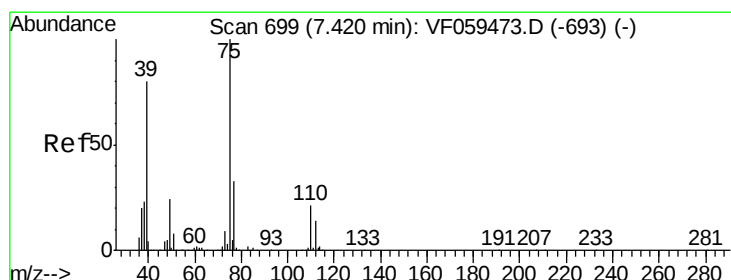
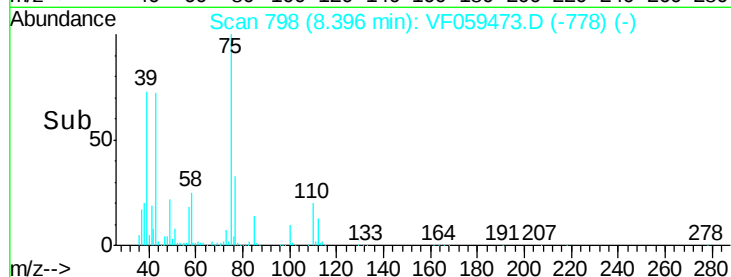
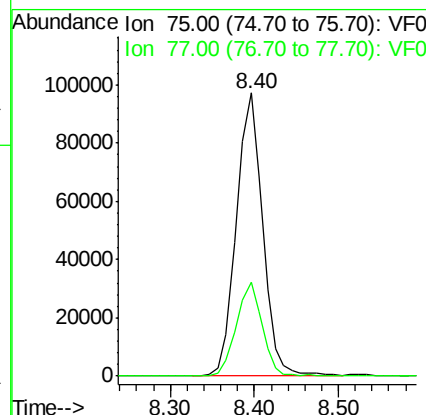
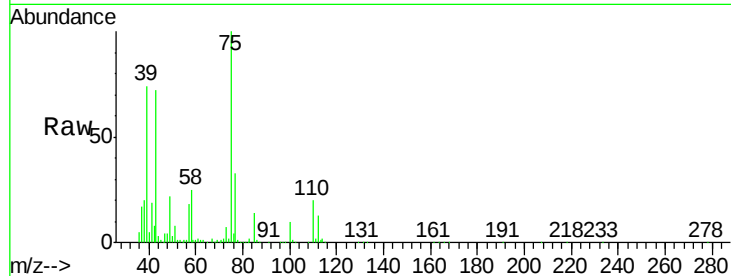
#53
t-1,3-Dichloropropene
Concen: 55.75 ug/l
RT: 8.40 min Scan# 798
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.4	39.6

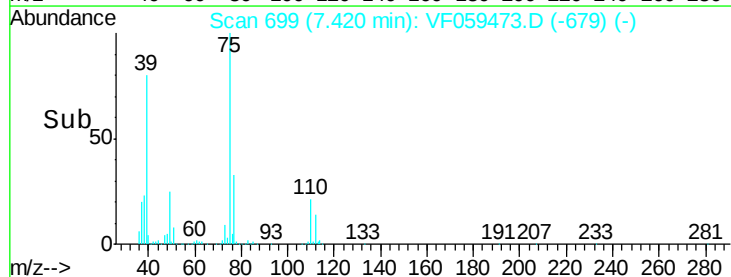
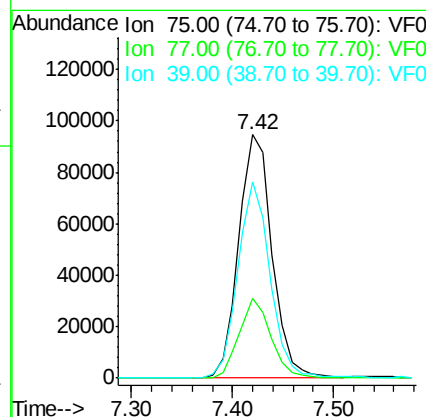
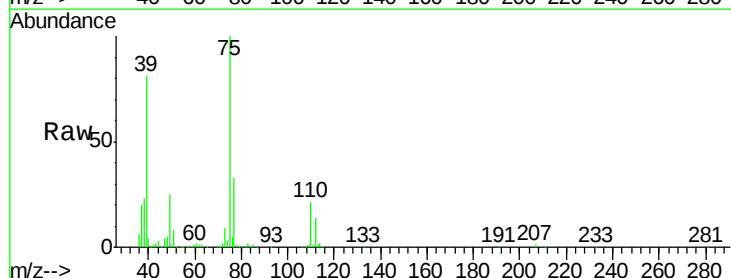
Manual Integrations
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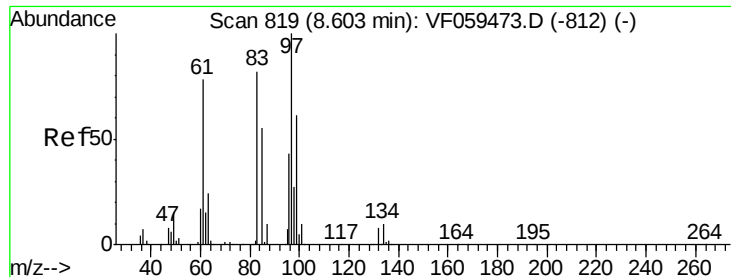
apatel
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#54
cis-1,3-Dichloropropene
Concen: 54.17 ug/l
RT: 7.42 min Scan# 699
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.2	39.4
39	80.6	64.5	96.7





#55

1,1,2-Trichloroethane

Concen: 55.27 ug/l

RT: 8.60 min Scan# 819

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

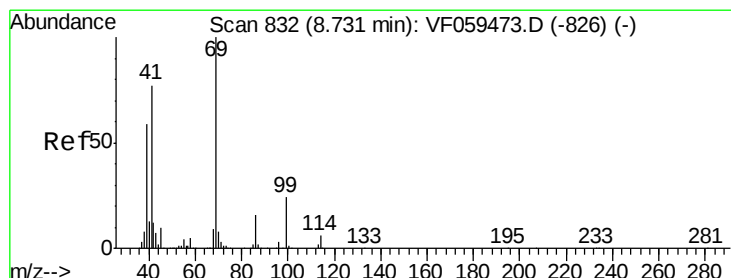
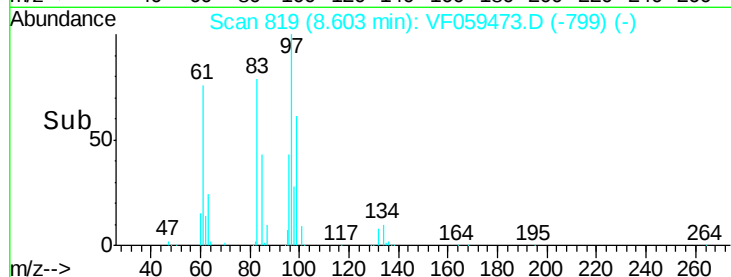
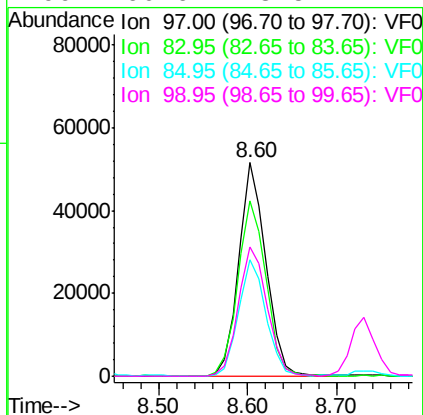
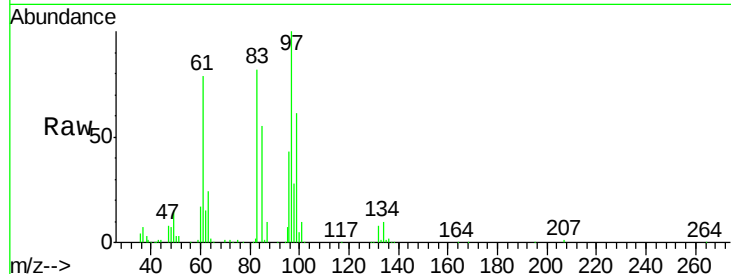
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		109805		
83	82.1	65.7	98.5		
85	54.7	43.8	65.6		
99	60.6	48.5	72.7		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 51.54 ug/l

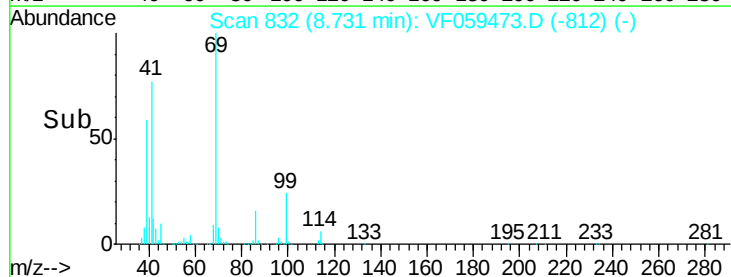
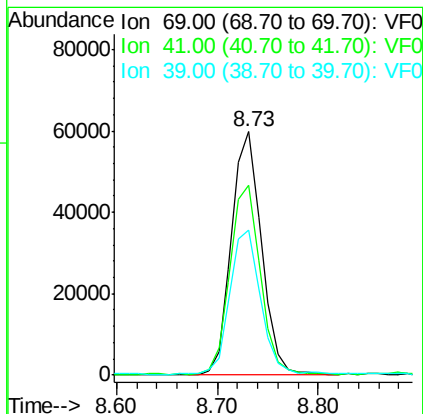
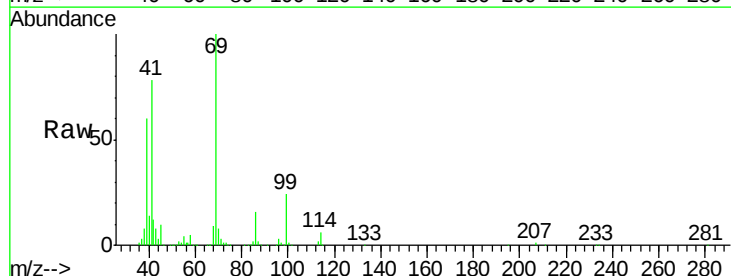
RT: 8.73 min Scan# 832

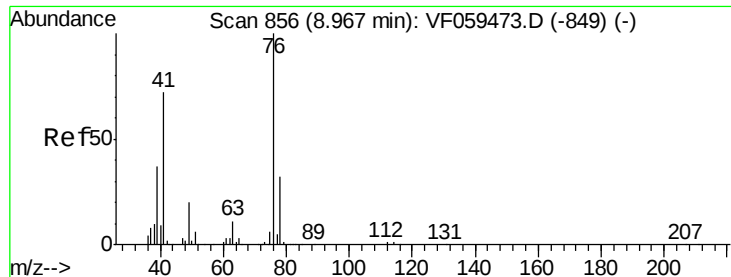
Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		124647		
41	77.8	62.2	93.4		
39	59.6	47.7	71.5		





#57

1,3-Dichloropropane

Concen: 53.18 ug/l

RT: 8.97 min Scan# 856

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 181305

Ion Ratio Lower Upper

76 100

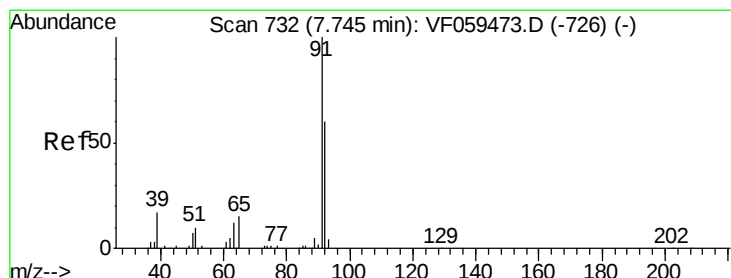
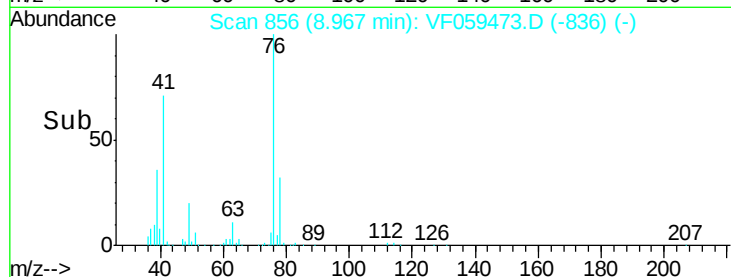
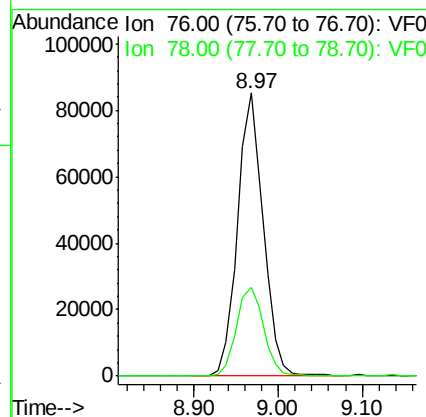
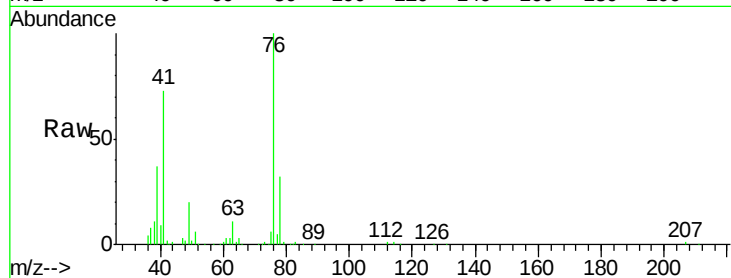
78 31.5 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 304.12 ug/l

RT: 7.75 min Scan# 732

Delta R.T. 0.00 min

Lab File: VF059473.D

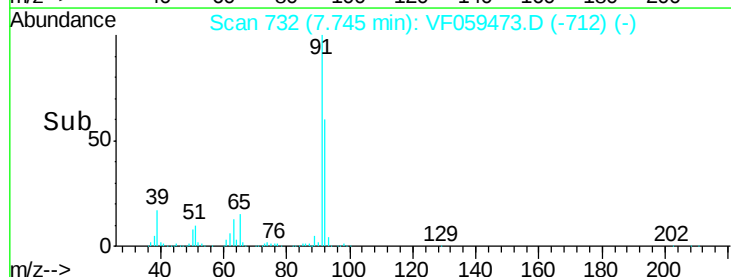
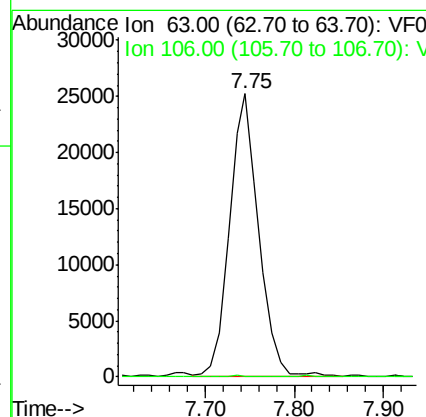
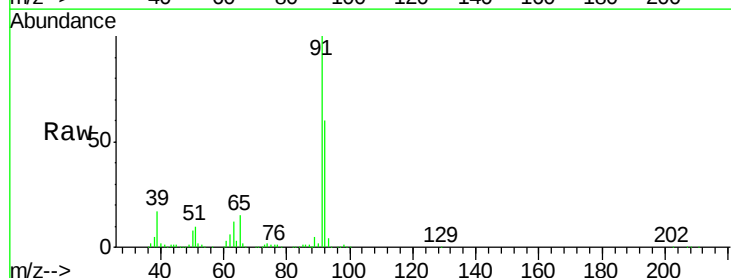
Acq: 7 Jul 2018 3:27

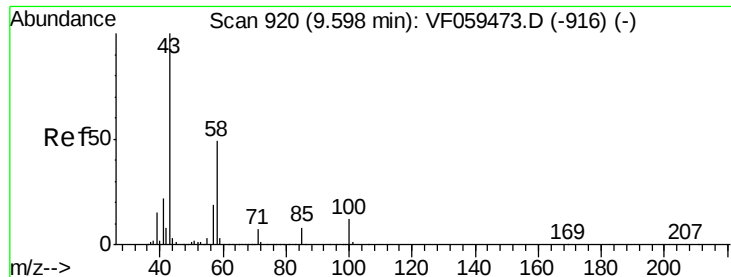
Tgt Ion: 63 Resp: 58023

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





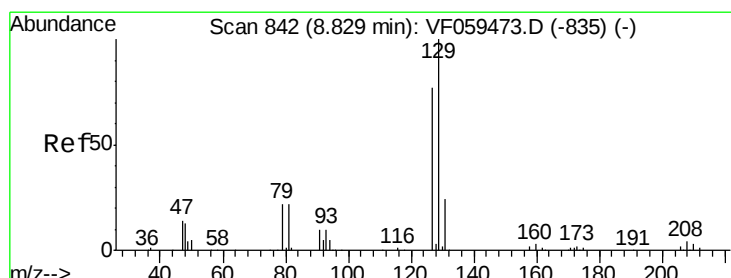
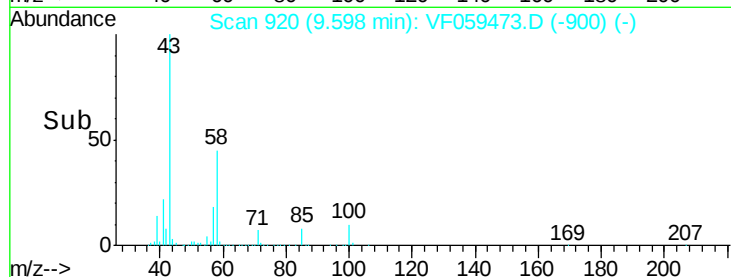
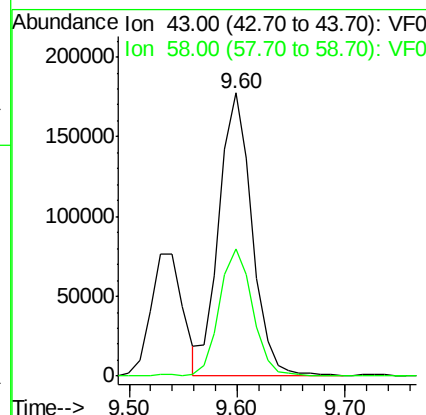
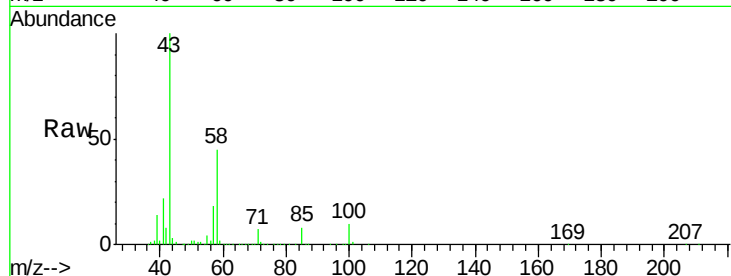
#59
2-Hexanone
Concen: 242.13 ug/l
RT: 9.60 min Scan# 920
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 375401
Ion Ratio Lower Upper
43 100
58 44.8 22.4 67.2

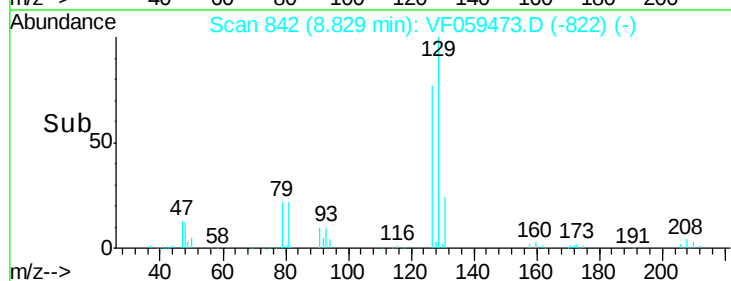
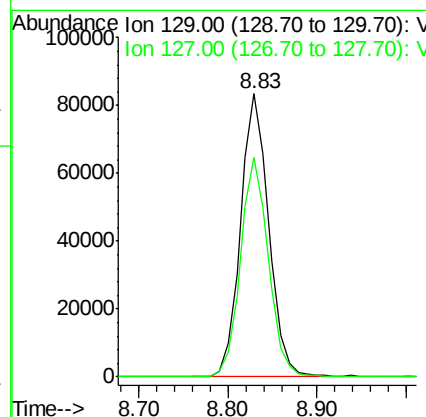
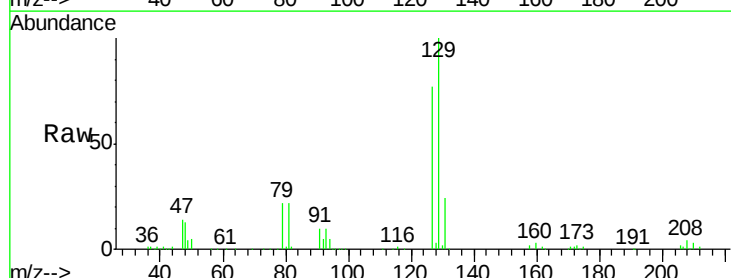
Manual Integrations
APPROVED

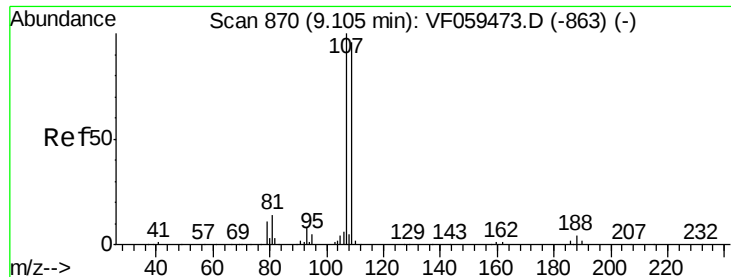
apatel
7/9/2018 9:34:22 AM



#60
Dibromochloromethane
Concen: 59.26 ug/l
RT: 8.83 min Scan# 842
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion: 129 Resp: 183587
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 56.15 ug/l

RT: 9.11 min Scan# 870

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 135681

Ion Ratio Lower Upper

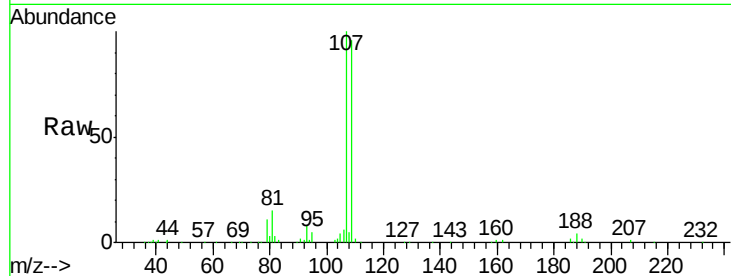
107 100

109 95.9 76.7 115.1

Manual Integrations
APPROVED

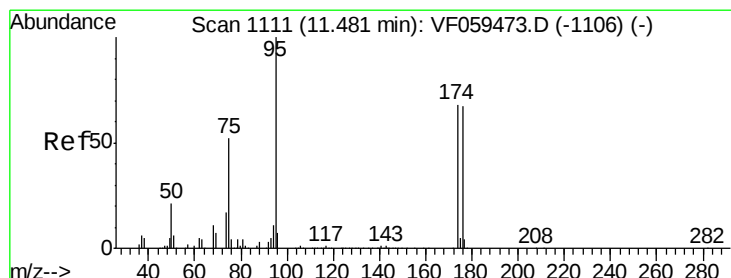
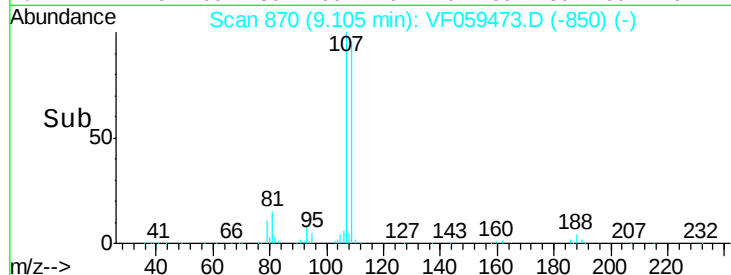
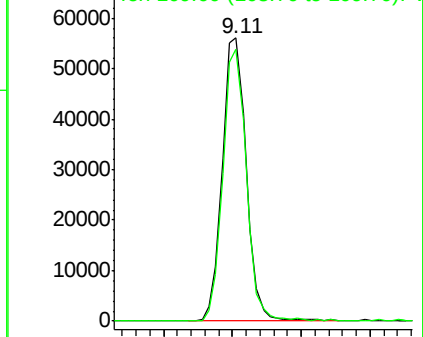
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 59.28 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

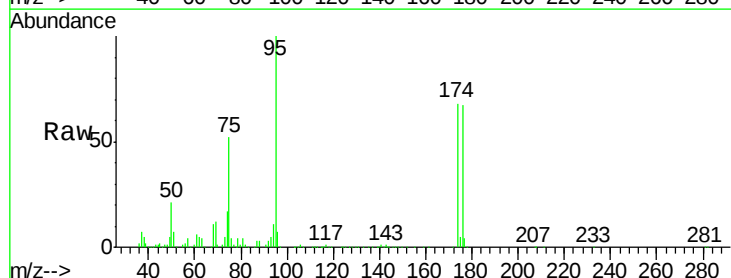
Tgt Ion: 95 Resp: 220987

Ion Ratio Lower Upper

95 100

174 68.5 0.0 137.0

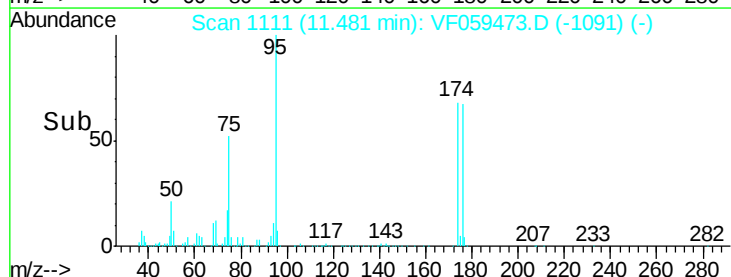
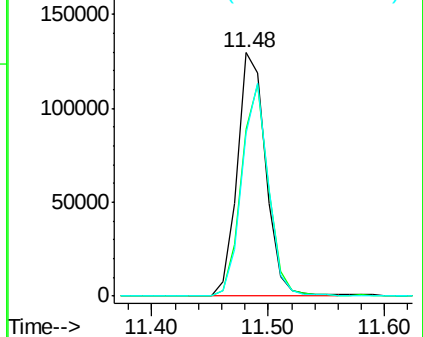
176 66.9 0.0 133.8

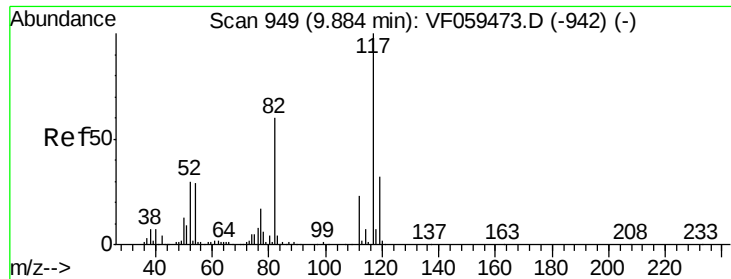


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





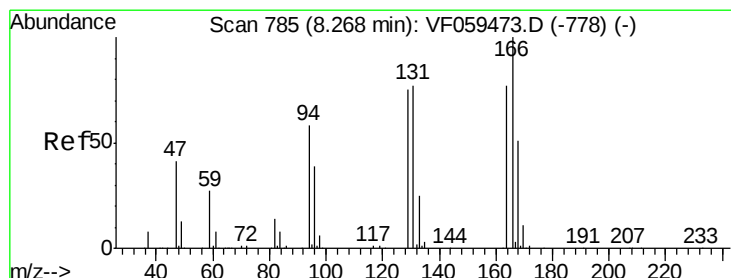
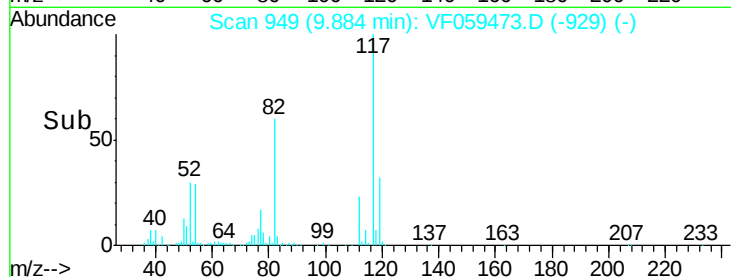
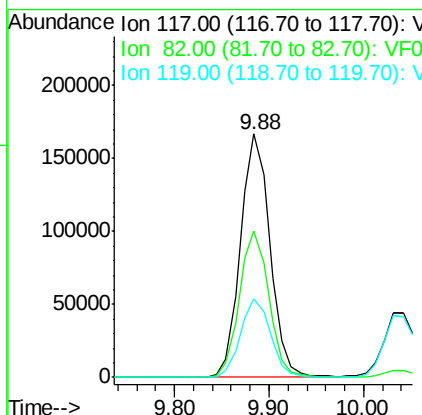
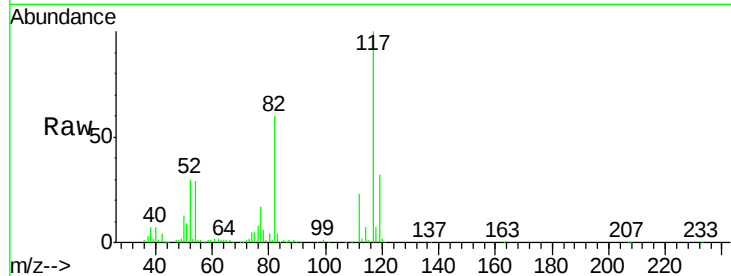
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.88 min Scan# 949
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	360405		
82	60.3	48.2	72.4	
119	32.1	25.7	38.5	

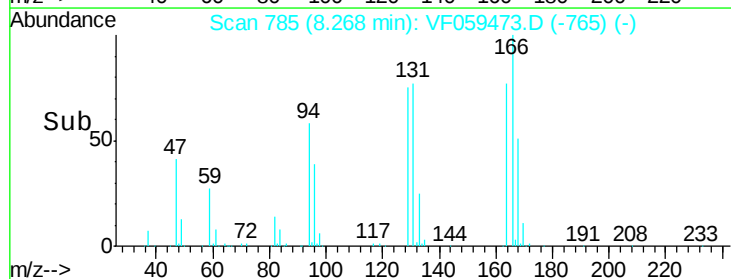
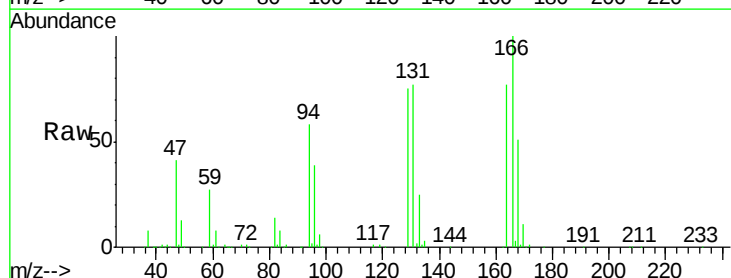
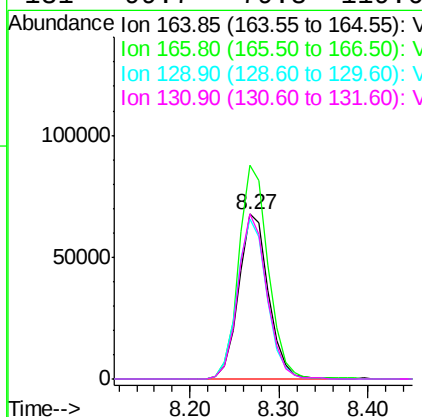
Manual Integrations
APPROVED

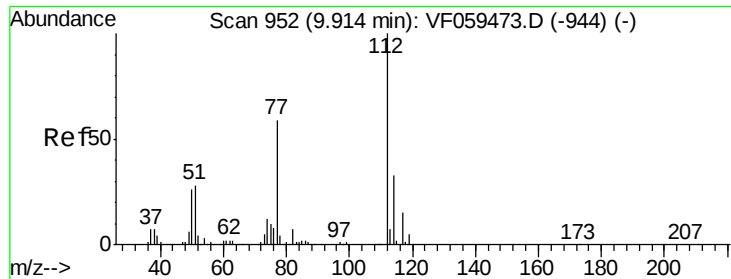
apatel
7/9/2018 9:34:22 AM



#64
Tetrachloroethene
Concen: 63.23 ug/l
RT: 8.27 min Scan# 785
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	156374		
166	129.4	103.5	155.3	
129	97.0	77.6	116.4	
131	99.7	79.8	119.6	





#65

Chlorobenzene

Concen: 52.73 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 359926

Ion Ratio Lower Upper

112 100

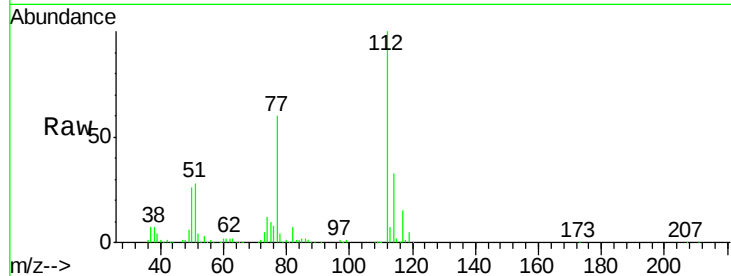
114 32.7 26.2 39.2

Manual Integrations

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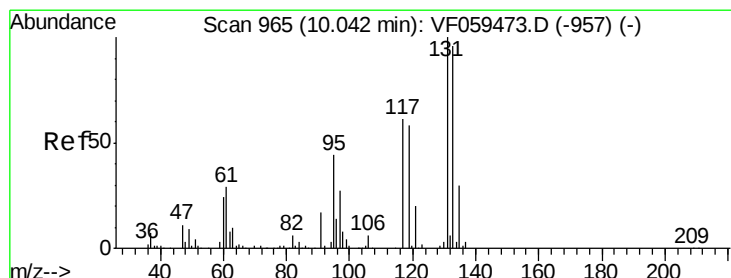
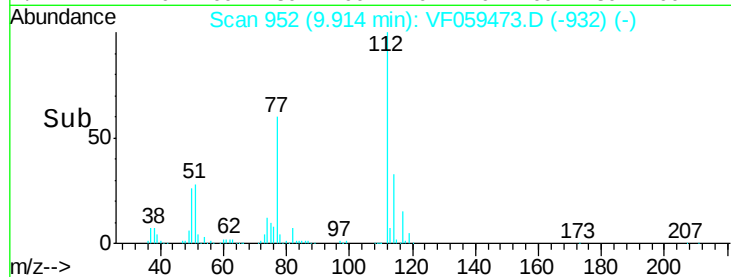
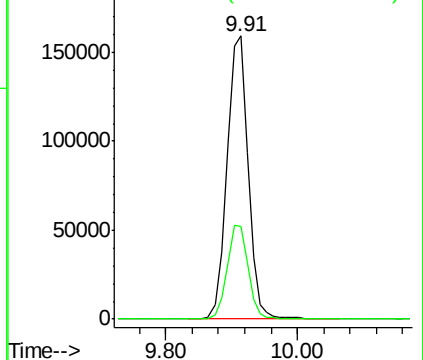
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.30 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

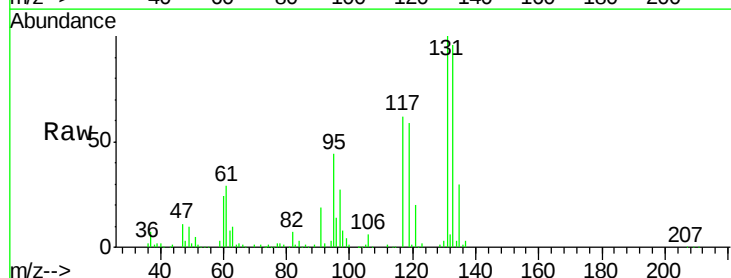
Tgt Ion:131 Resp: 164451

Ion Ratio Lower Upper

131 100

133 96.2 48.1 144.3

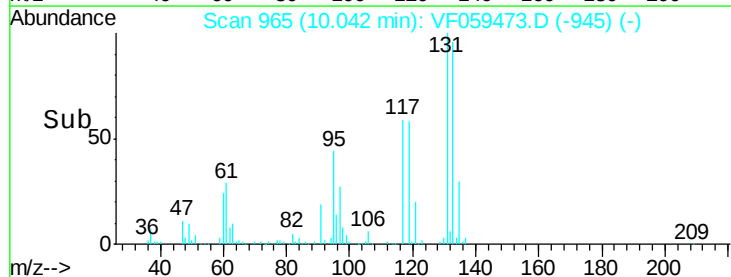
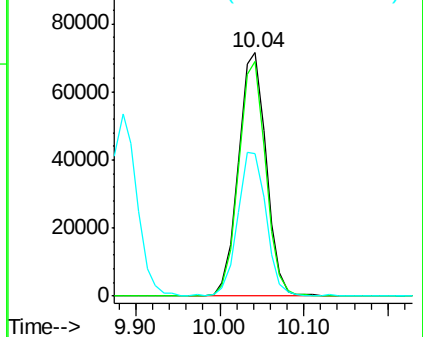
119 58.5 29.3 87.8

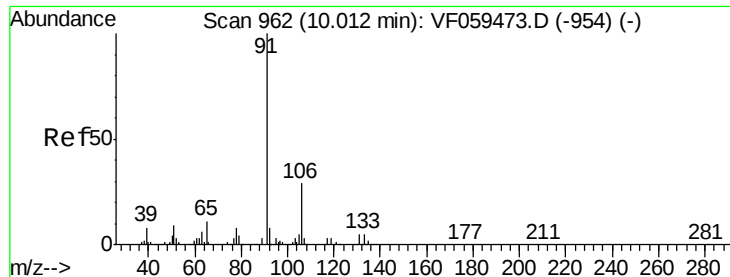


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 53.02 ug/l

RT: 10.01 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 616506

Ion Ratio Lower Upper

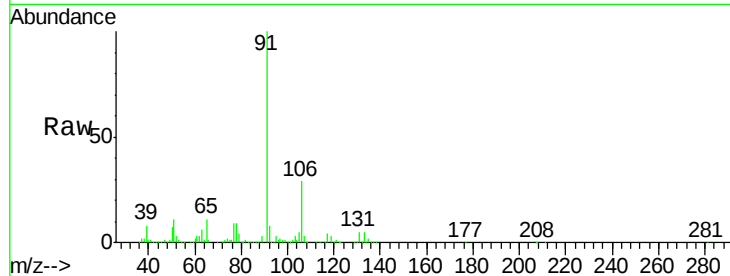
91 100

106 28.8 23.0 34.6

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

500000

400000

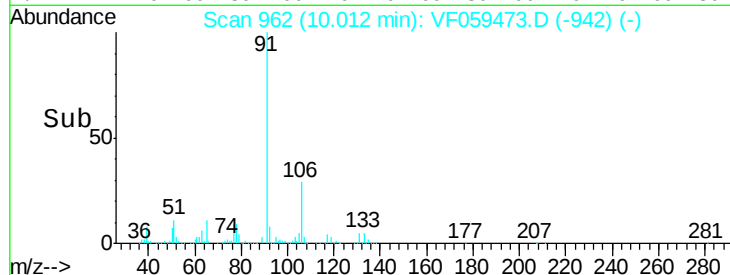
300000

200000

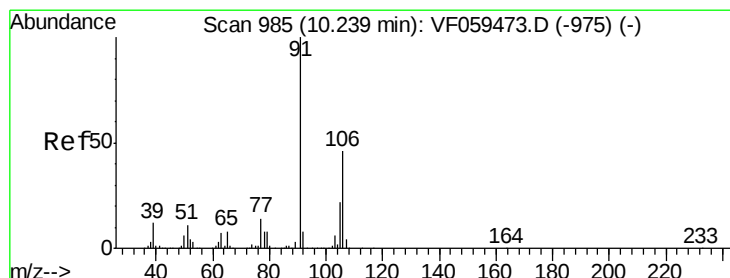
100000

0

Time-->



Time-->



#68

m/p-Xylenes

Concen: 103.03 ug/l

RT: 10.24 min Scan# 985

Delta R.T. 0.00 min

Lab File: VF059473.D

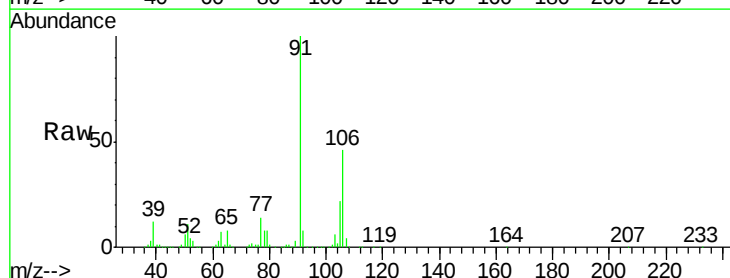
Acq: 7 Jul 2018 3:27

Tgt Ion: 106 Resp: 423200

Ion Ratio Lower Upper

106 100

91 216.9 173.5 260.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

500000

400000

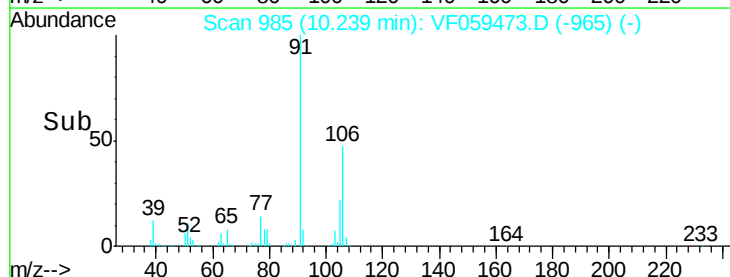
300000

200000

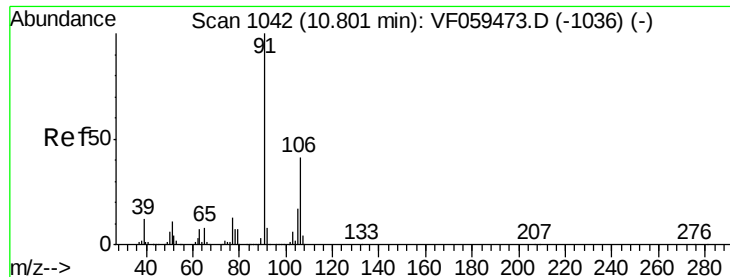
100000

0

Time-->



Time-->



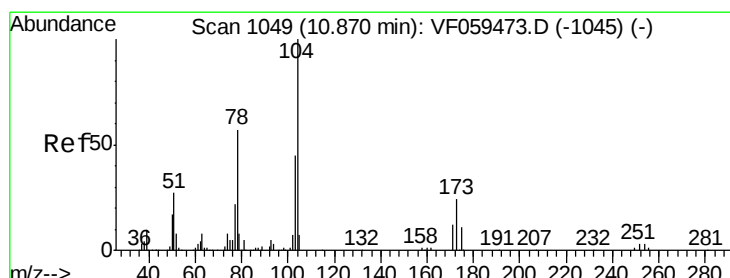
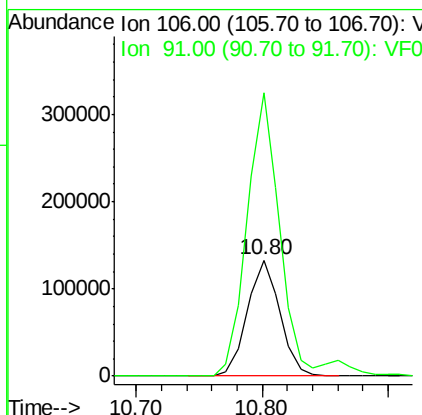
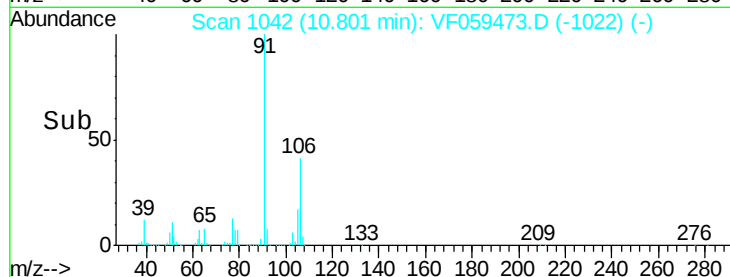
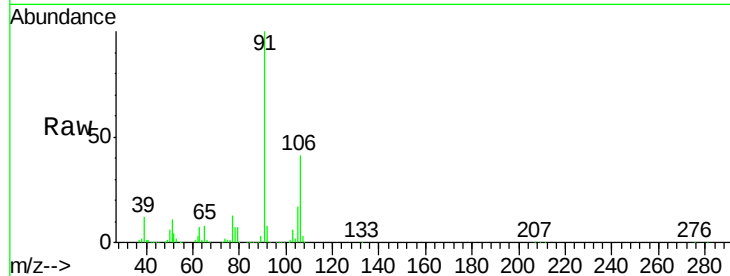
#69
o-Xylene
Concen: 52.19 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	239226		
91	91	243.5	121.8	365.3	

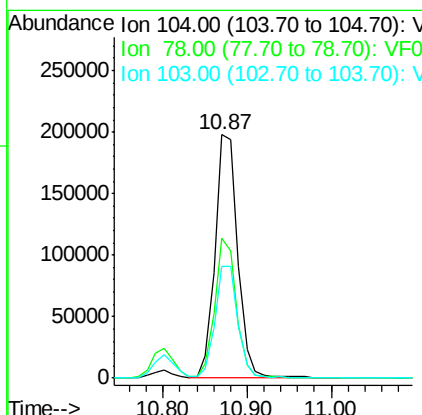
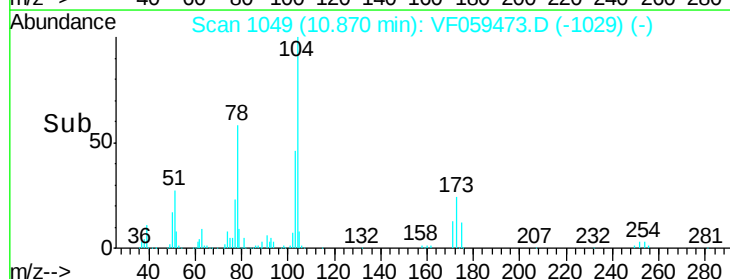
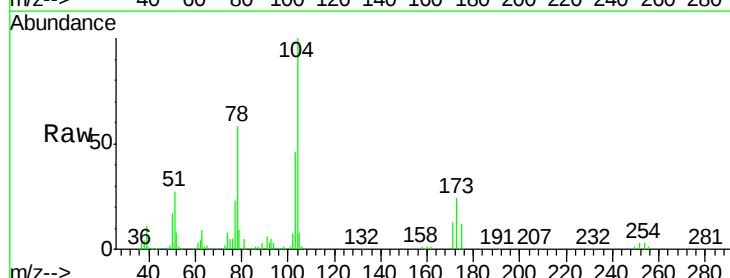
Manual Integrations
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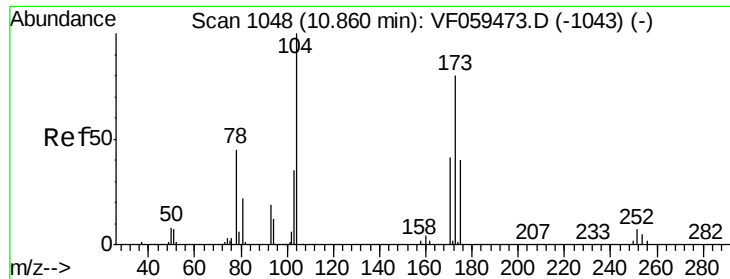
apatel
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#70
Styrene
Concen: 52.74 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	368798		
78	78	57.7	46.2	69.2	
103	103	46.0	36.8	55.2	





#71

Bromoform

Concen: 56.55 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

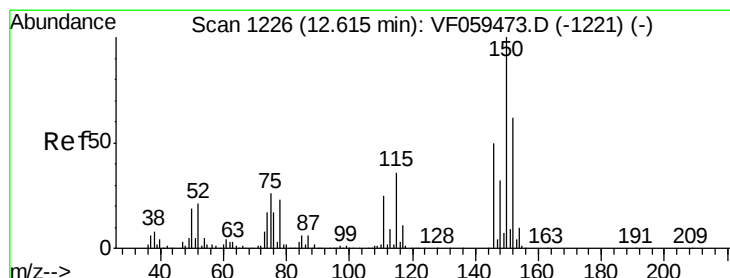
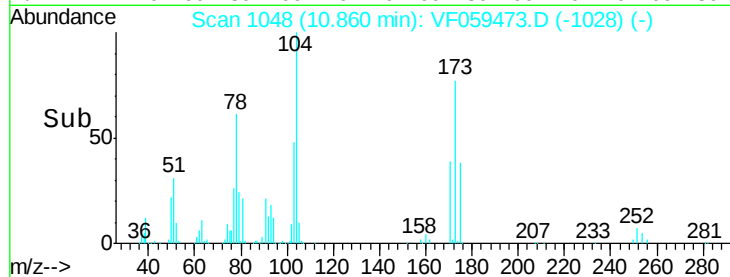
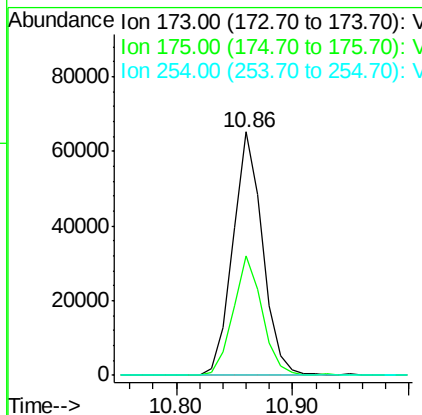
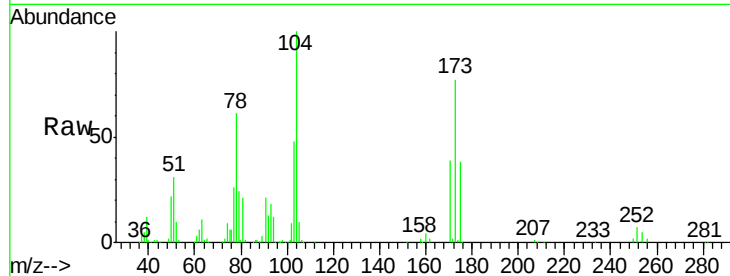
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.9	74.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

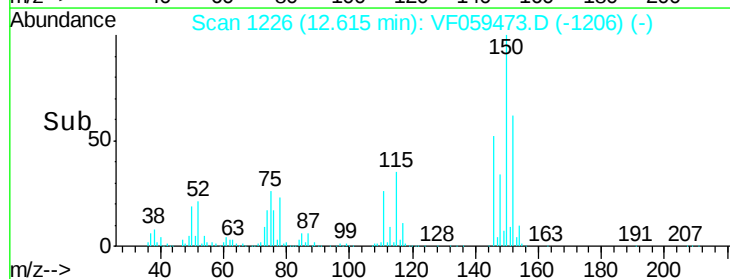
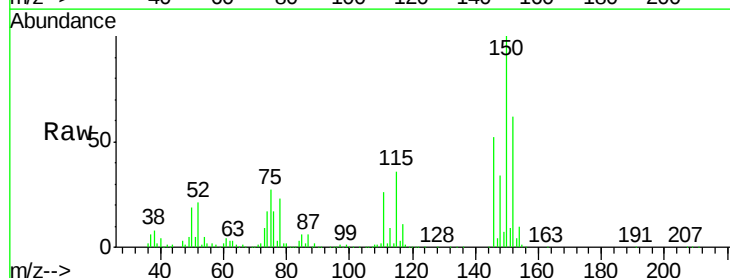
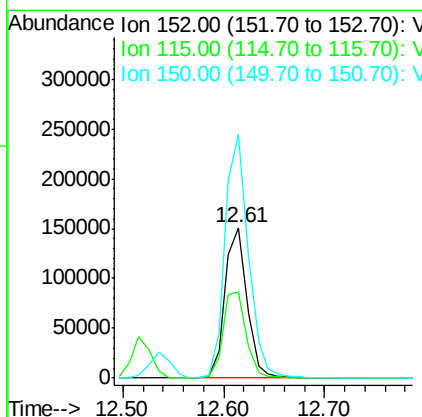
RT: 12.61 min Scan# 1226

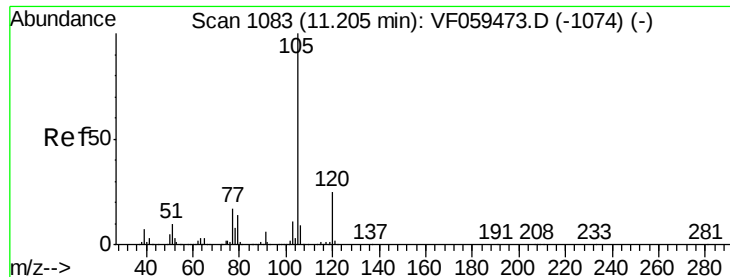
Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.7	86.3
150	161.9	0.0	323.8





#73

Isopropylbenzene

Concen: 54.18 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 743101

Ion Ratio Lower Upper

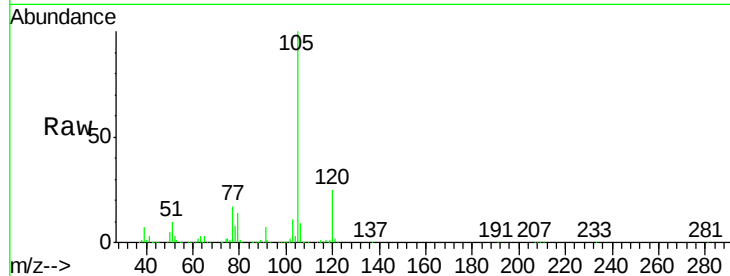
105 100

120 24.8 12.4 37.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

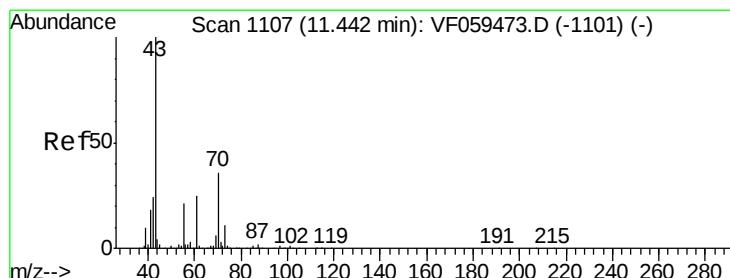
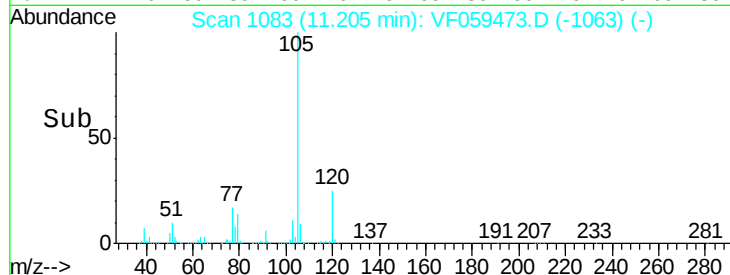
0

11.21

11.20

11.40

Time-->



#74

N-ethyl acetate

Concen: 48.36 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion: 43 Resp: 234270

Ion Ratio Lower Upper

43 100

70 35.9 28.7 43.1

55 20.7 16.6 24.8

61 25.1 20.1 30.1

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

250000

200000

150000

100000

50000

0

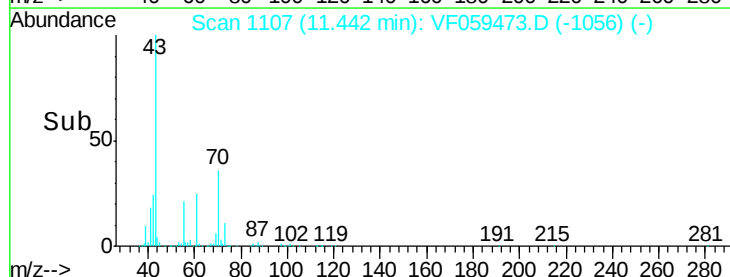
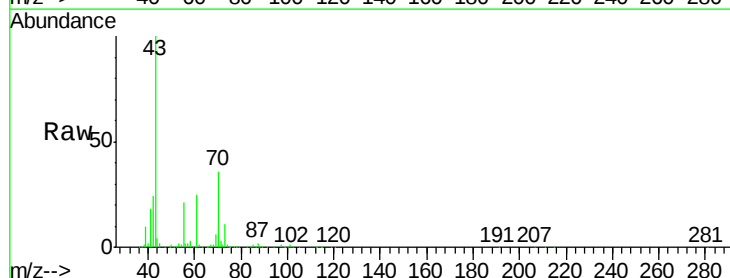
11.44

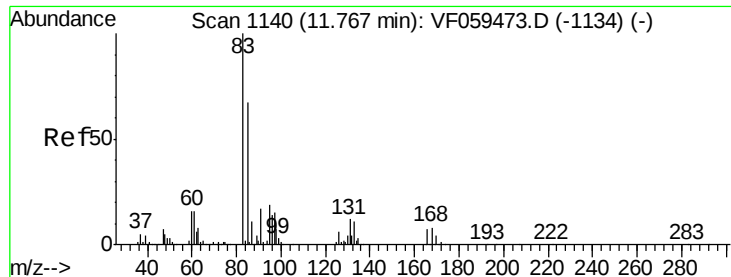
11.40

11.50

11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.13 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

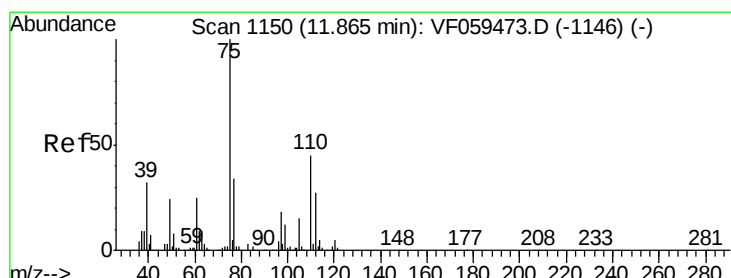
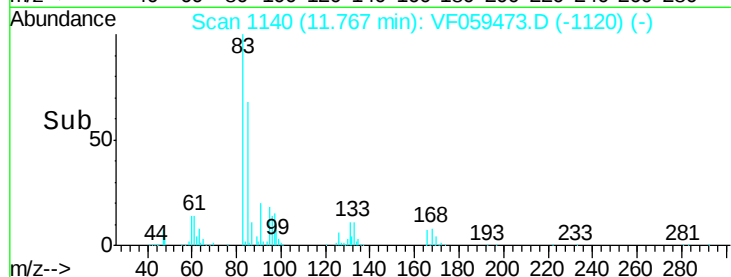
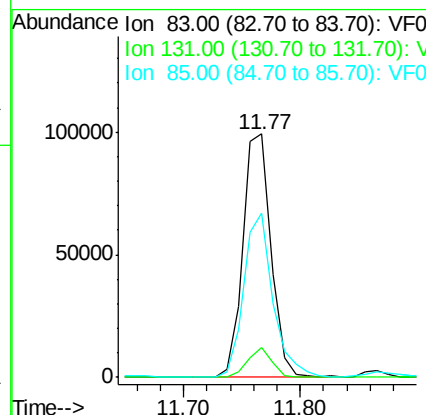
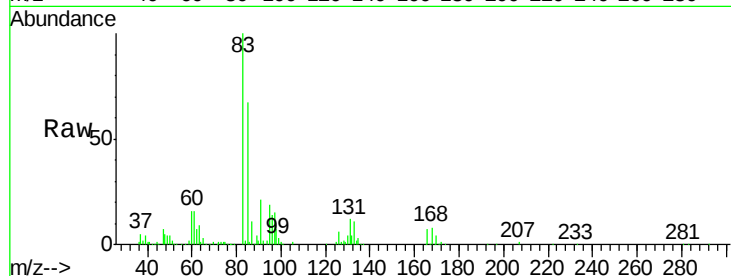
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	165985
Ion Ratio	Lower	Upper	
83	100		
131	12.0	6.0	18.0
85	67.4	33.7	101.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.95 ug/l

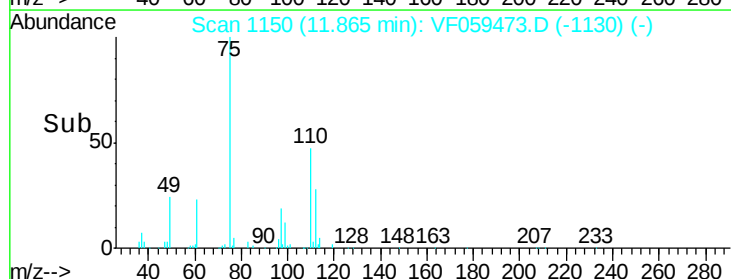
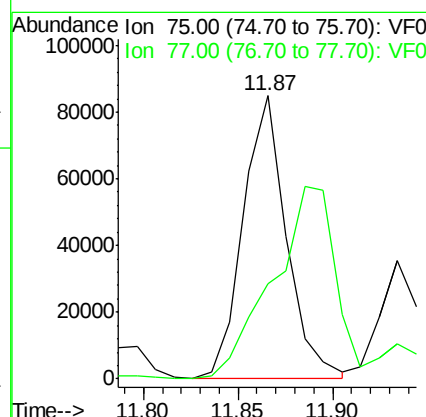
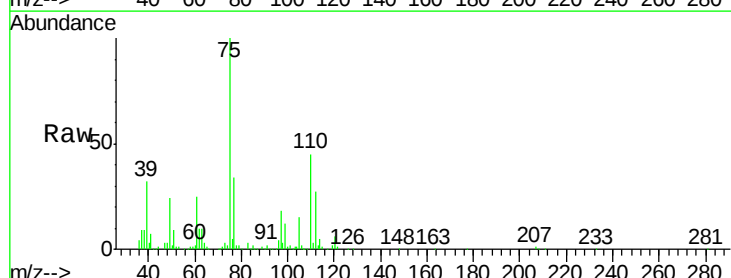
RT: 11.87 min Scan# 1150

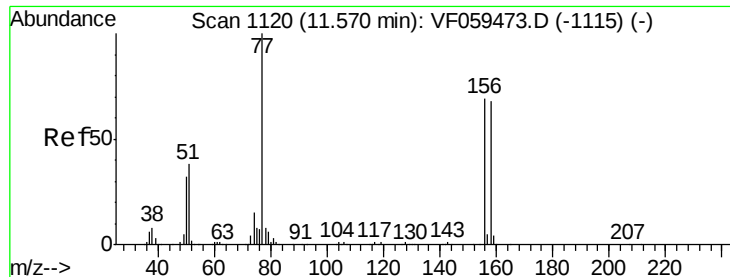
Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion:	75	Resp:	134634
Ion Ratio	Lower	Upper	
75	100		
77	33.7	16.9	50.6





#77

Bromobenzene

Concen: 51.40 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 156 Resp: 193965

Ion Ratio Lower Upper

156 100

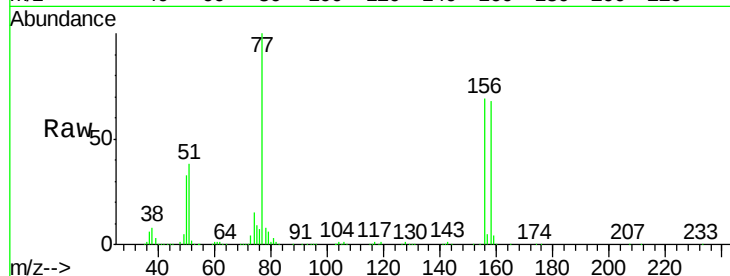
77 144.8 72.4 217.2

158 98.9 49.5 148.3

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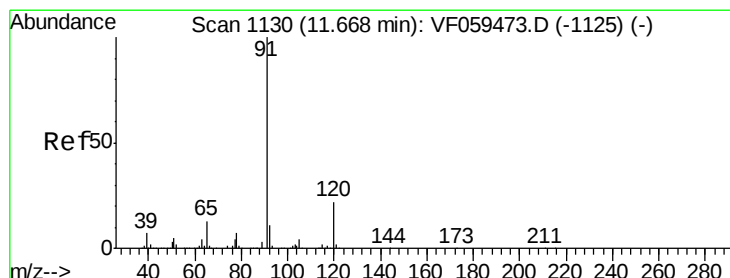
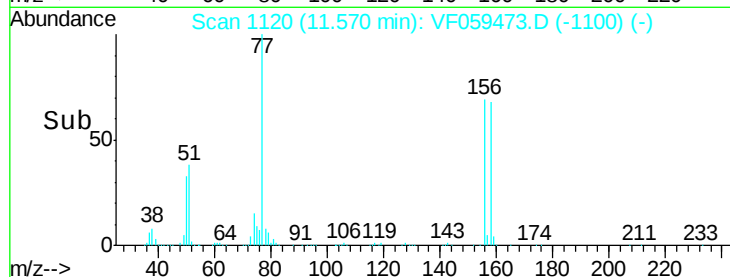
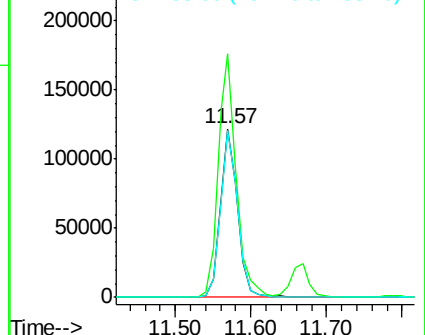
7/9/2018 9:34:22 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 51.69 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF059473.D

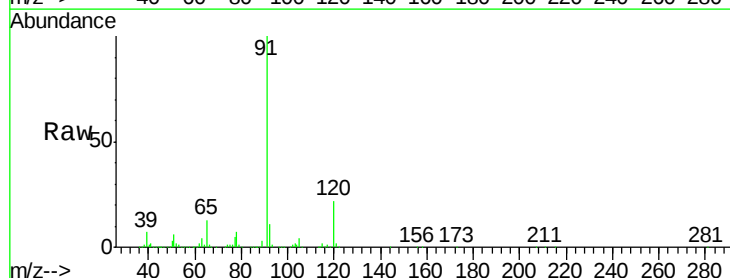
Acq: 7 Jul 2018 3:27

Tgt Ion: 91 Resp: 850832

Ion Ratio Lower Upper

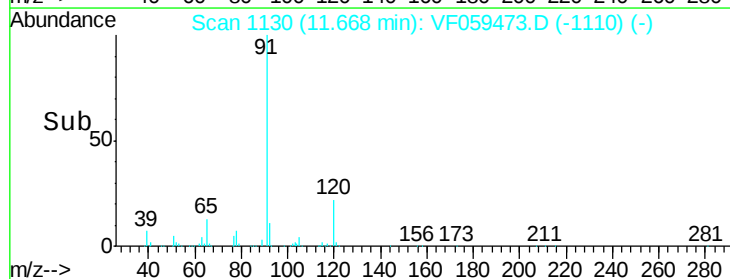
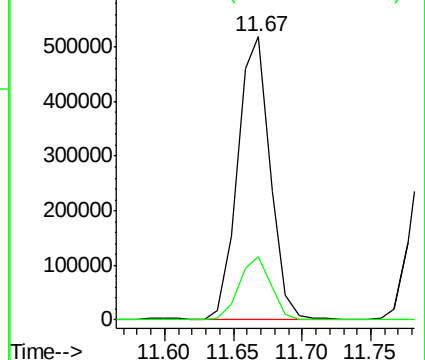
91 100

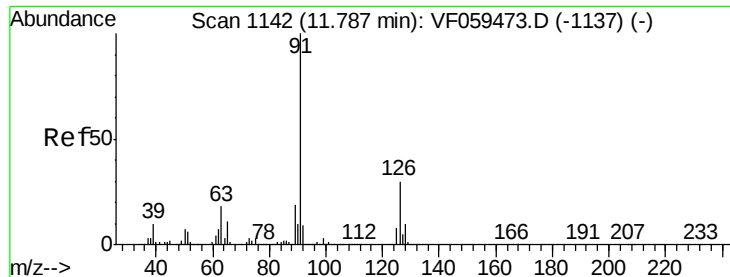
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.40 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 528956

Ion Ratio Lower Upper

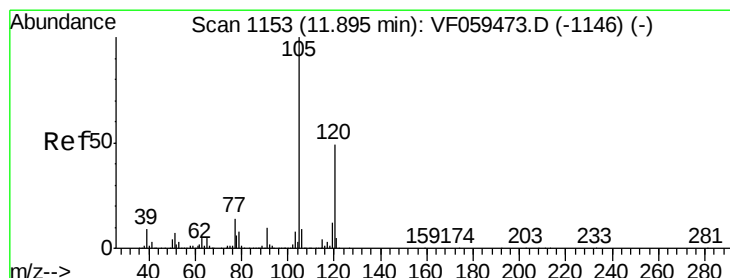
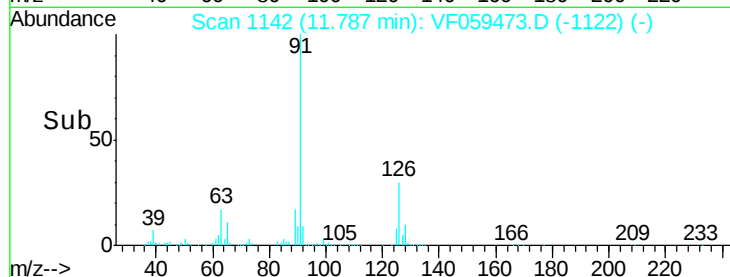
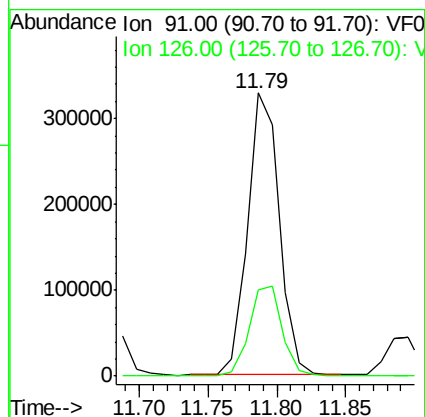
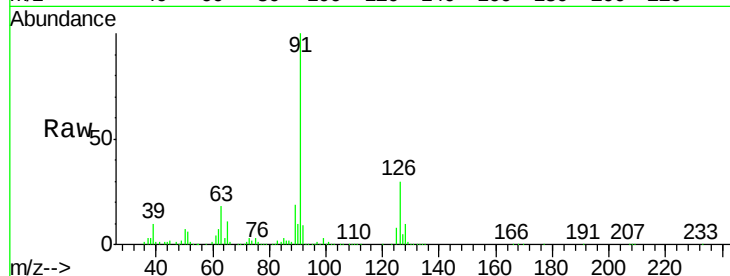
91 100

126 30.3 15.2 45.5

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#80

1,3,5-Trimethylbenzene

Concen: 54.38 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059473.D

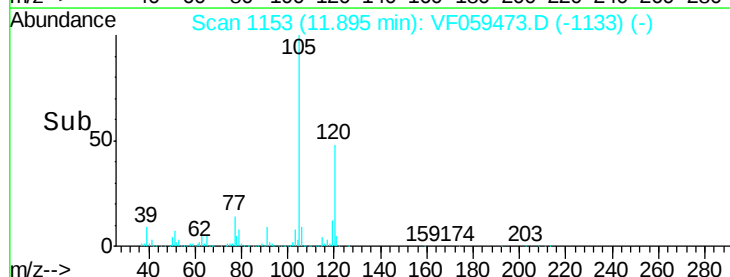
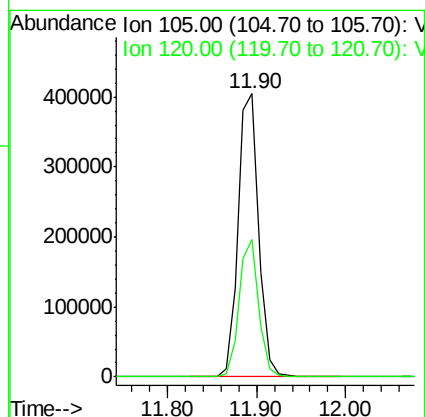
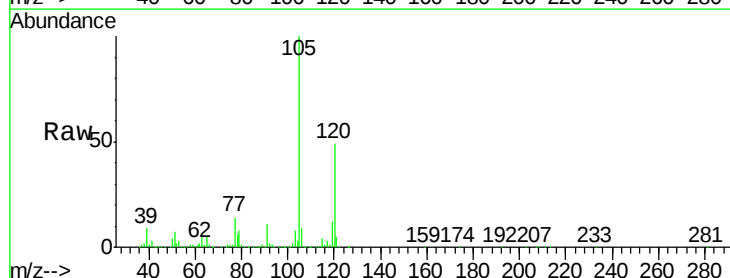
Acq: 7 Jul 2018 3:27

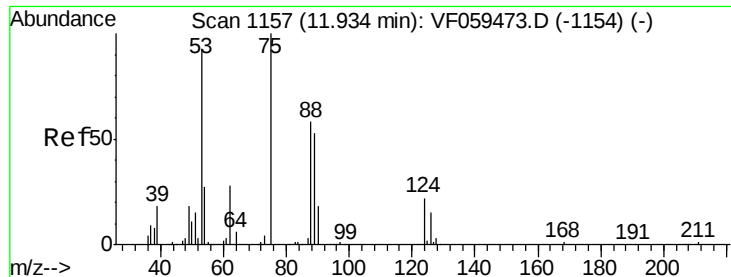
Tgt Ion: 105 Resp: 657566

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





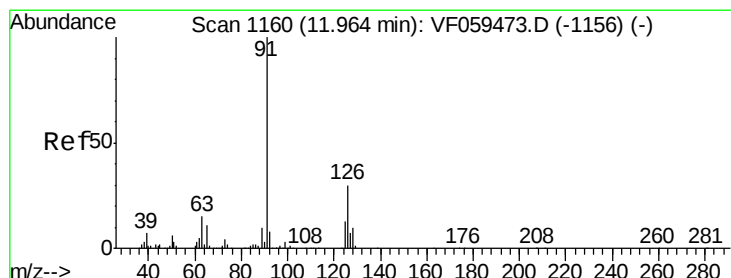
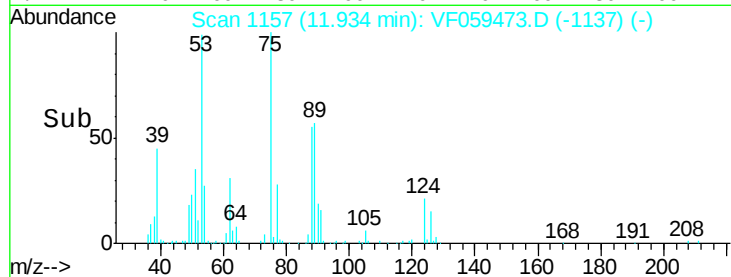
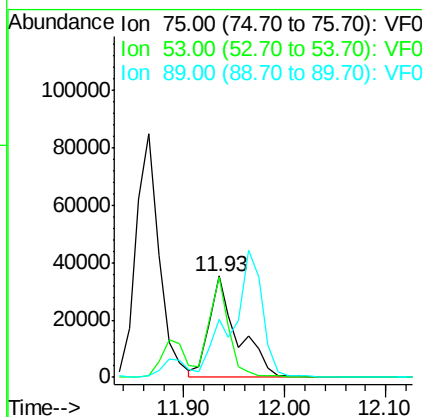
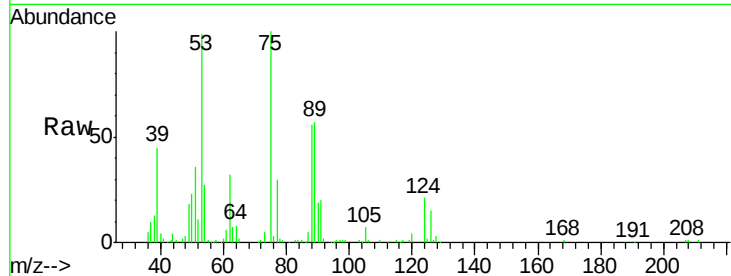
#81
trans-1,4-Dichloro-2-butene
Concen: 46.49 ug/l
RT: 11.93 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.8	79.0	118.6
89	57.4	45.9	68.9

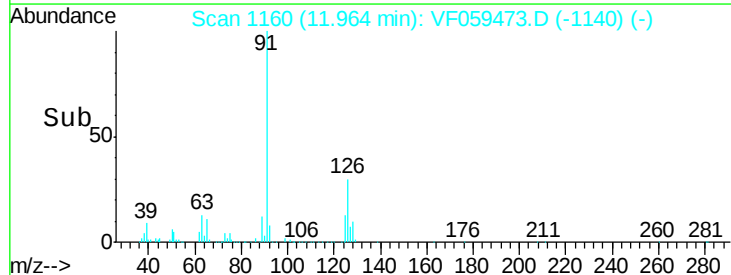
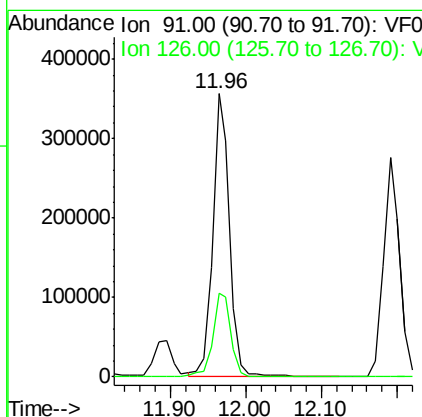
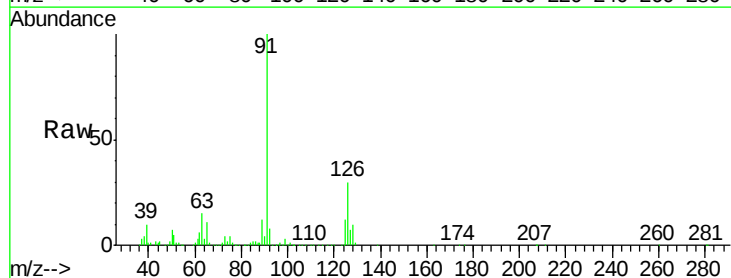
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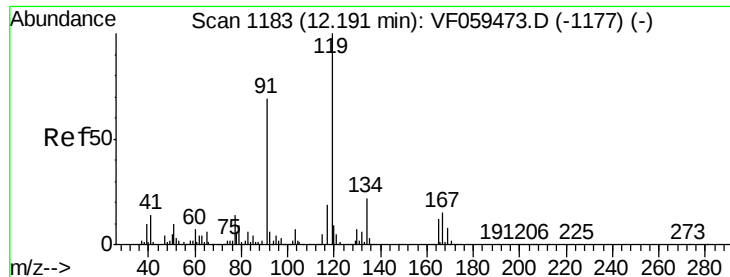
apatel
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#82
4-Chlorotoluene
Concen: 51.64 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	14.9	44.5





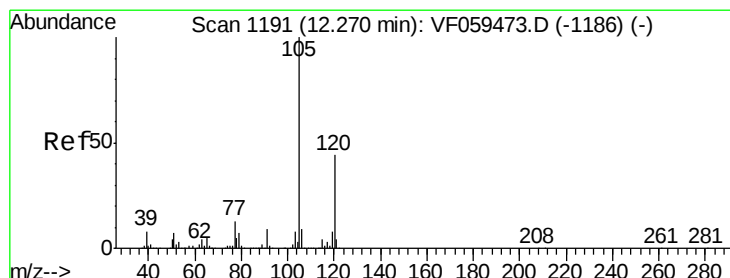
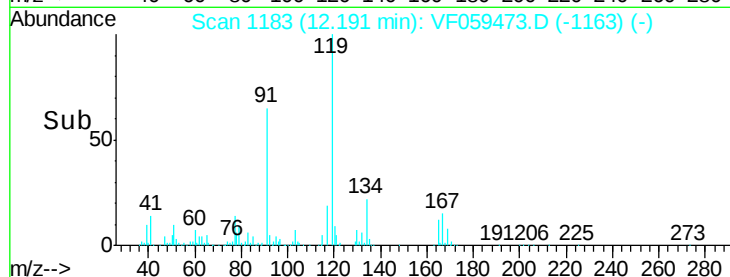
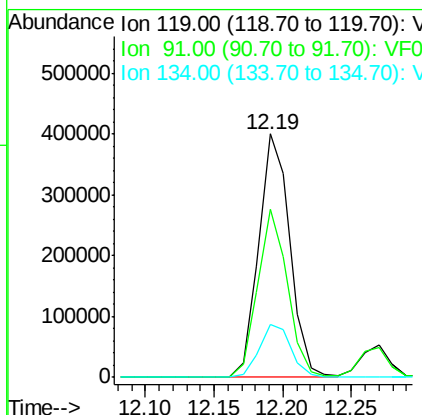
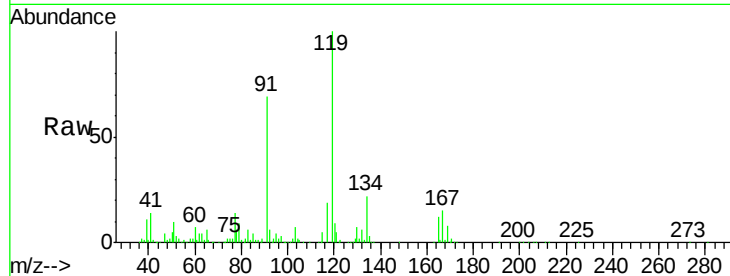
#83
tert-Butylbenzene
Concen: 52.90 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.4	103.3
134	21.6	10.8	32.4

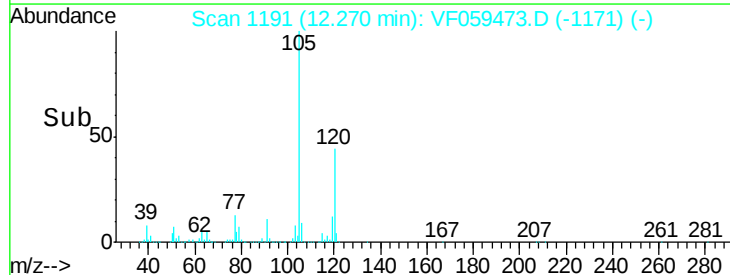
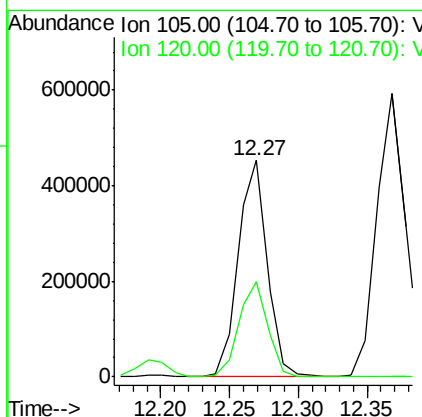
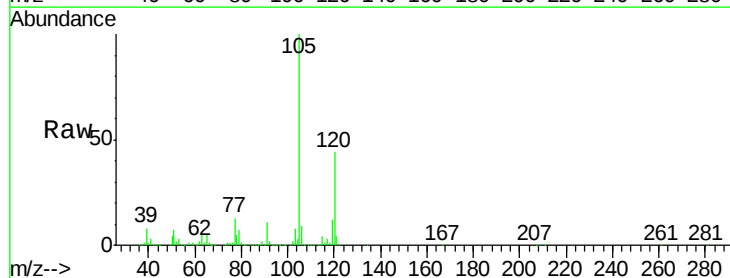
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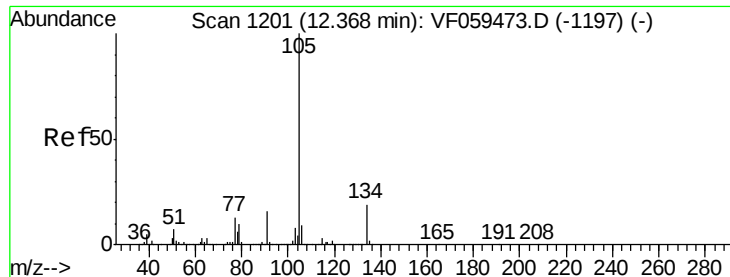
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#84
1,2,4-Trimethylbenzene
Concen: 52.74 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1





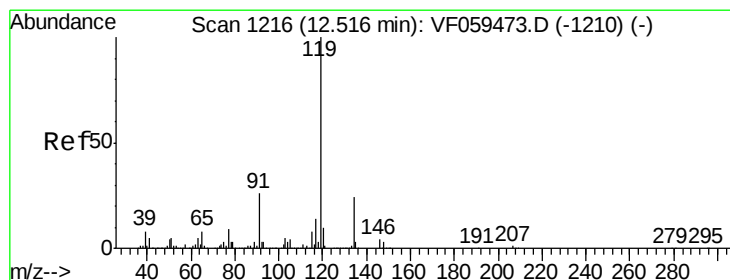
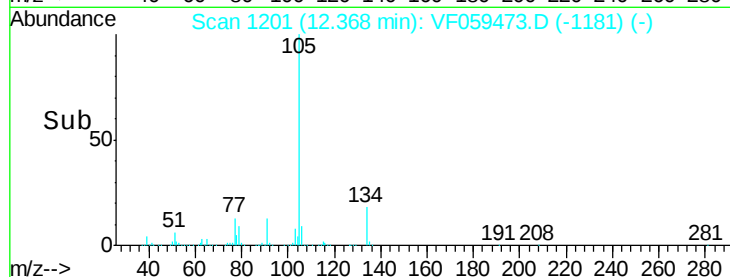
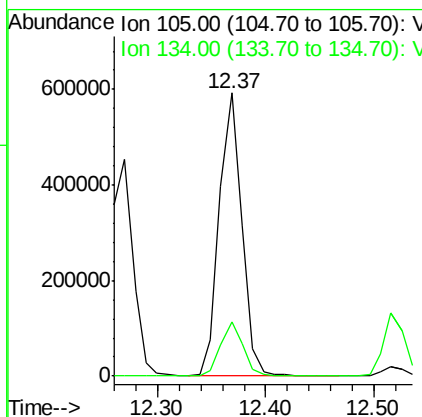
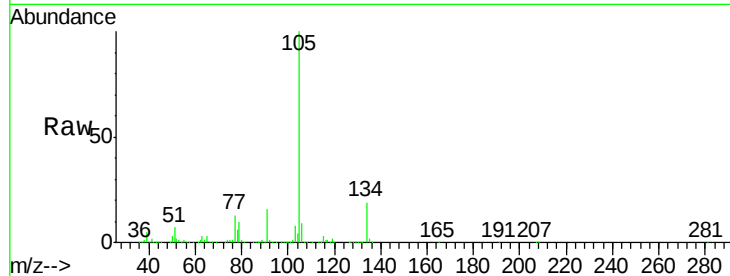
#85
 sec-Butylbenzene
 Concen: 54.02 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	861850		
134	19.1	9.6	28.6	

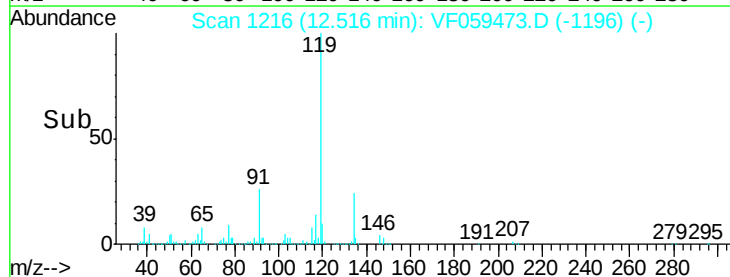
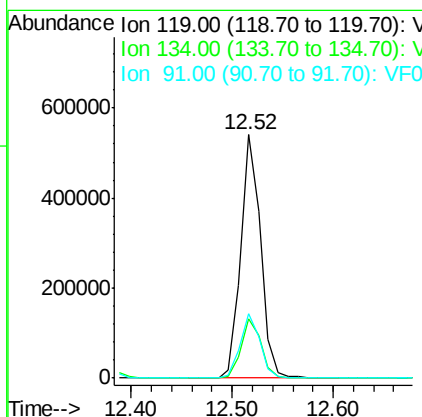
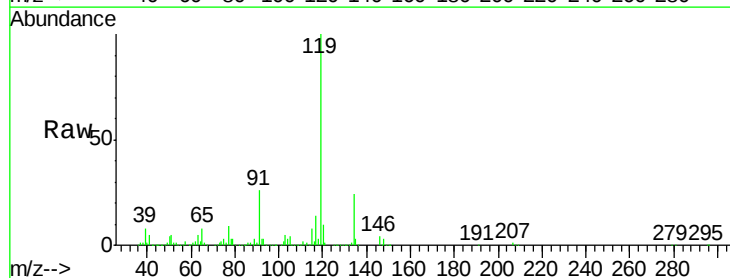
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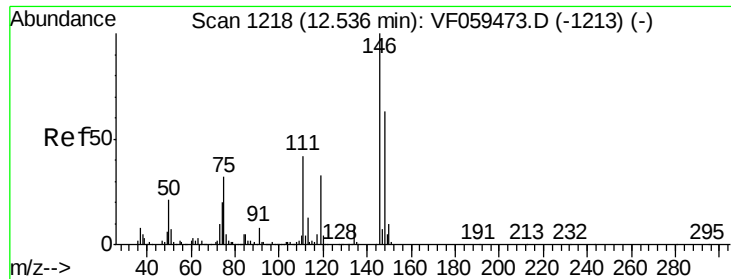
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#86
 p-Isopropyltoluene
 Concen: 54.71 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	734460		
134	24.3	12.2	36.4	
91	26.2	13.1	39.3	





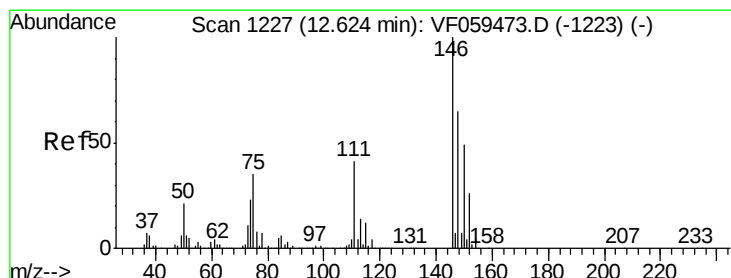
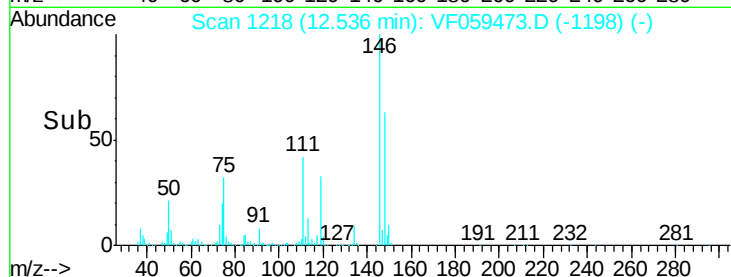
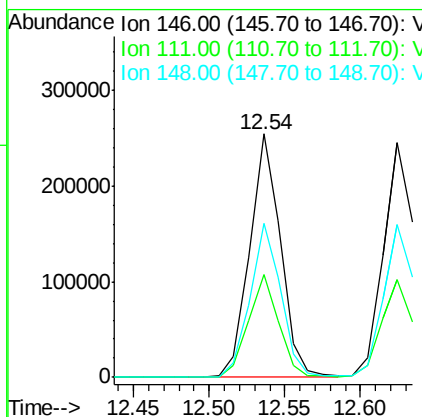
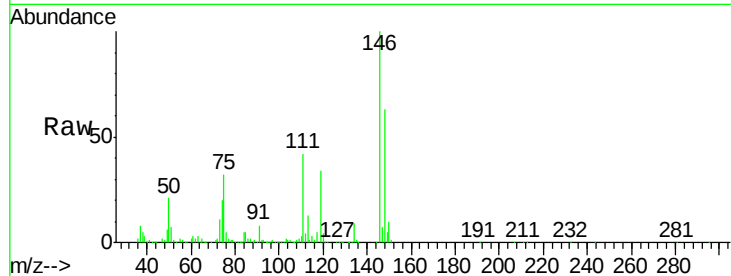
#87
 1,3-Dichlorobenzene
 Concen: 51.70 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.2	31.6	94.8

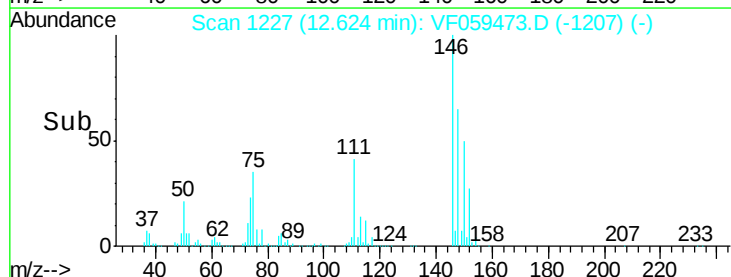
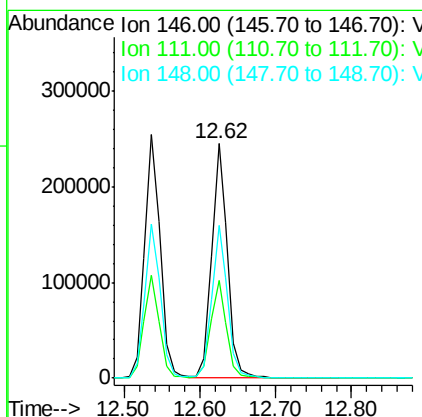
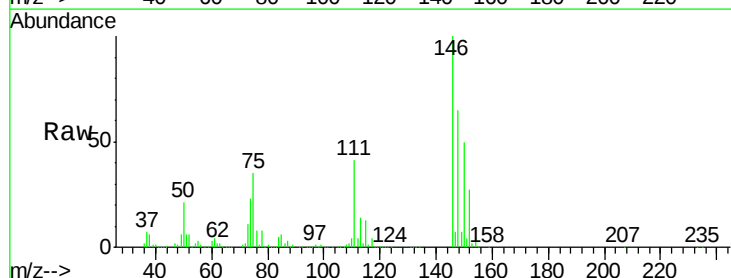
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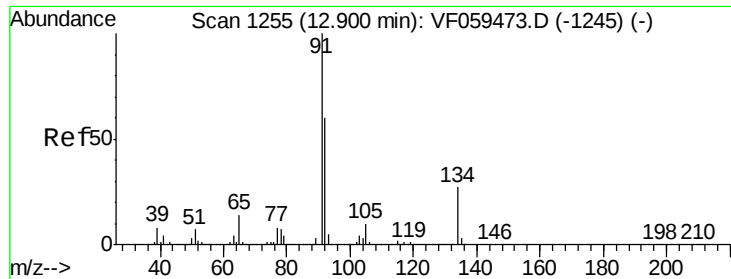
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#88
 1,4-Dichlorobenzene
 Concen: 53.01 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.2
148	65.2	32.6	97.8





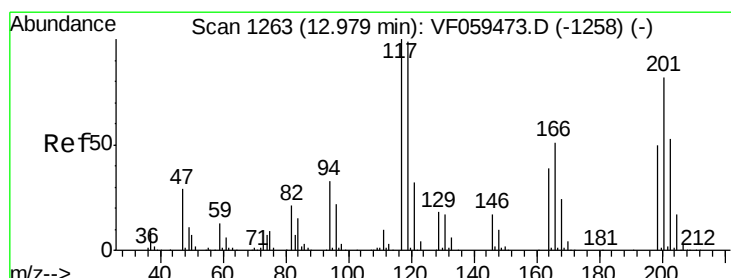
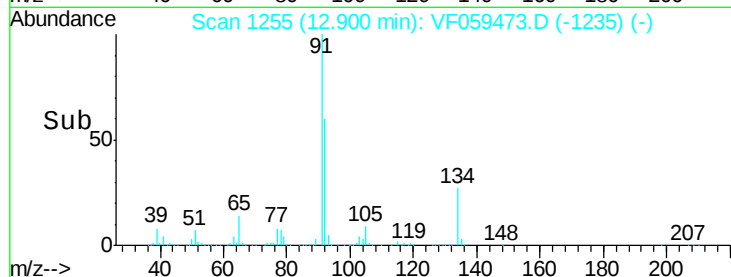
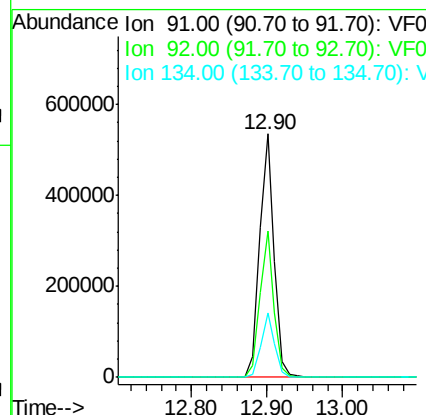
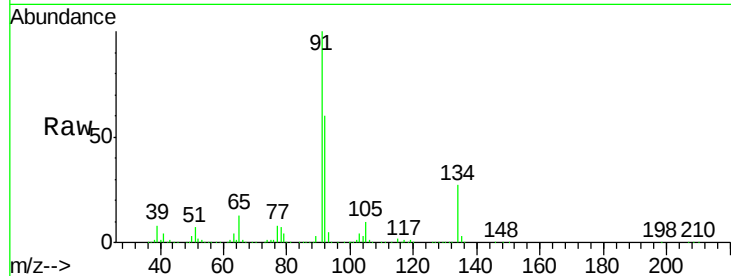
#89
n-Butylbenzene
Concen: 52.81 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.1	30.0	90.1
134	26.6	13.3	39.9

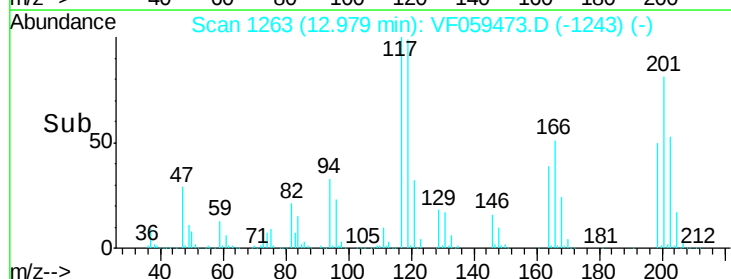
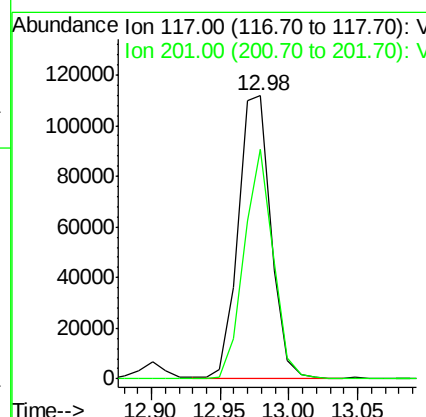
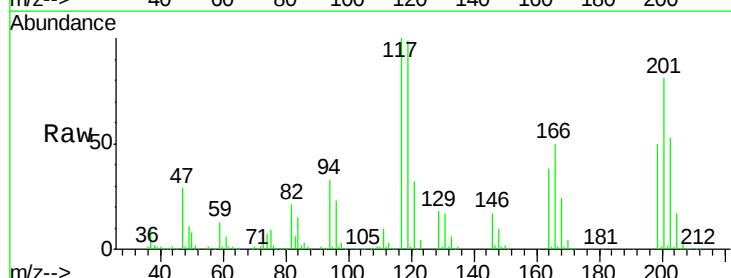
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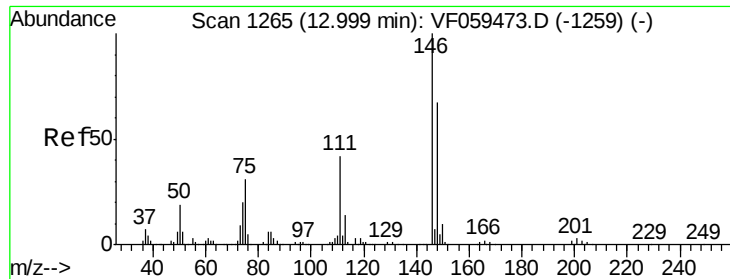
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#90
Hexachloroethane
Concen: 55.24 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VF059473.D
Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	40.6	121.8





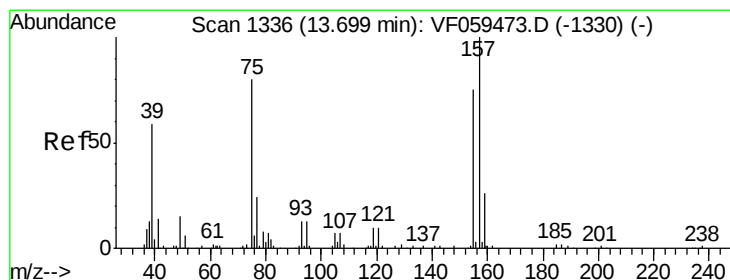
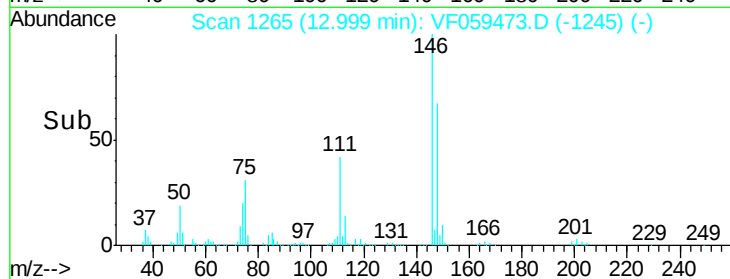
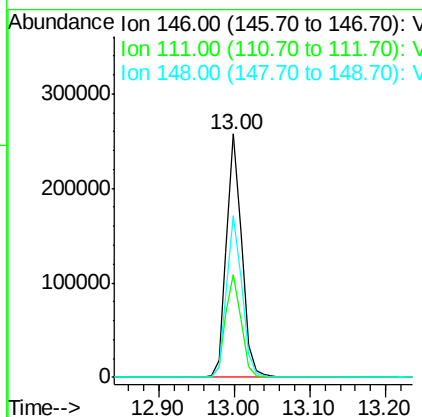
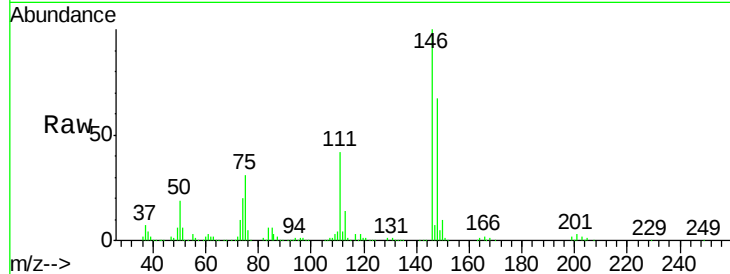
#91
 1,2-Dichlorobenzene
 Concen: 52.72 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.4	21.2	63.6	
148	66.6	33.3	99.9	

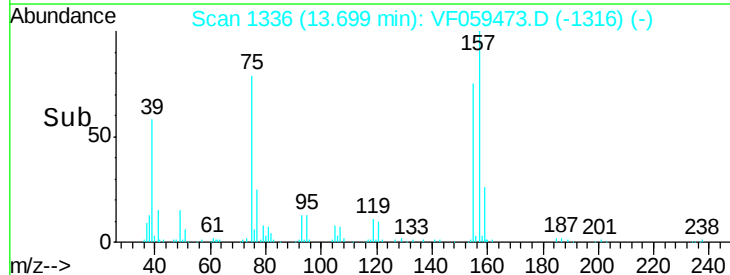
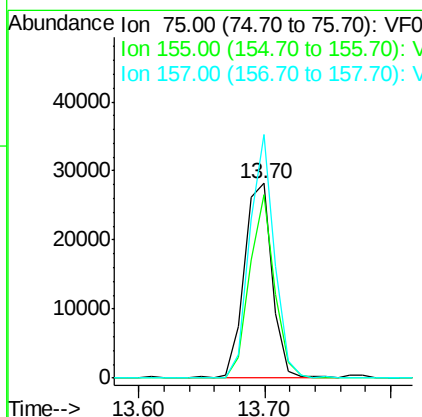
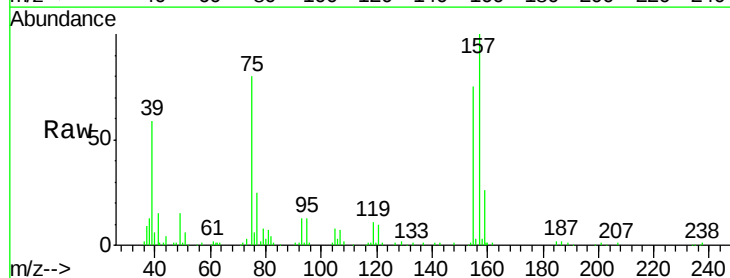
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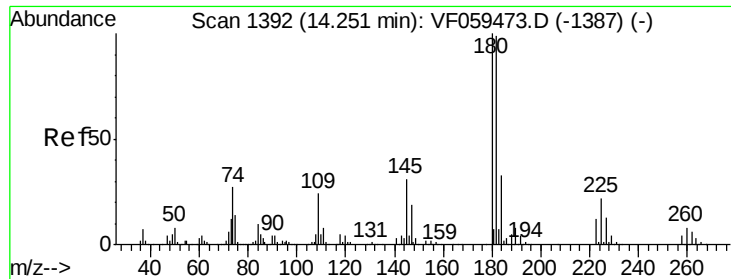
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.53 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	94.5	47.3	141.8	
157	125.2	62.6	187.8	





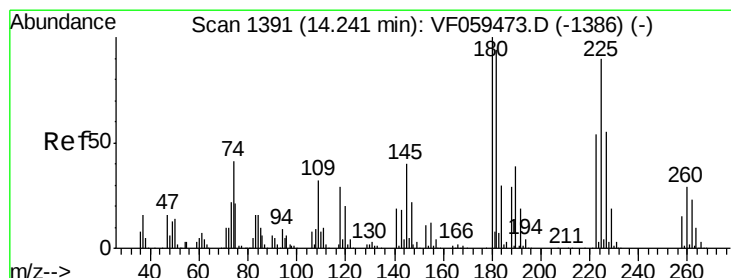
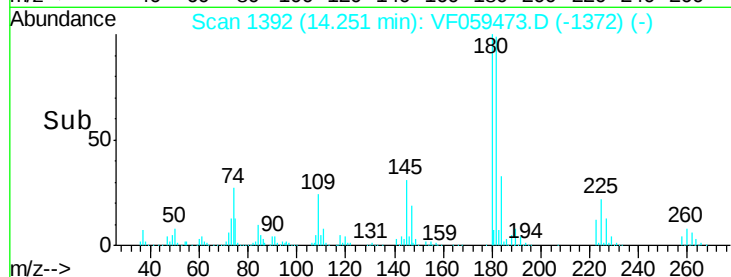
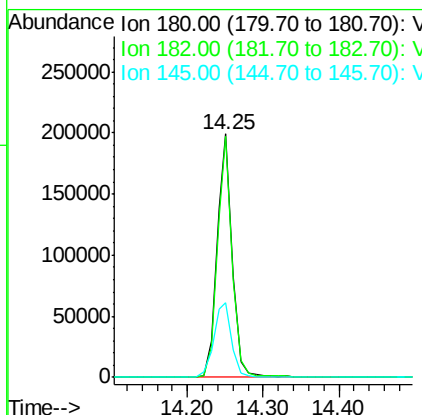
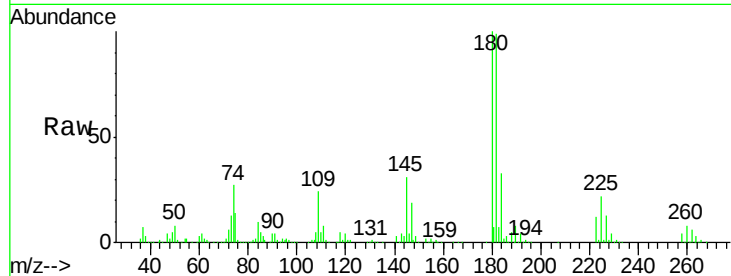
#93
 1,2,4-Trichlorobenzene
 Concen: 55.28 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	282198		
182	99.1	49.5	148.7	
145	30.8	15.4	46.2	

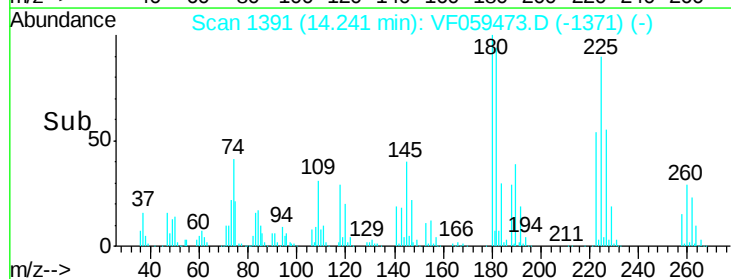
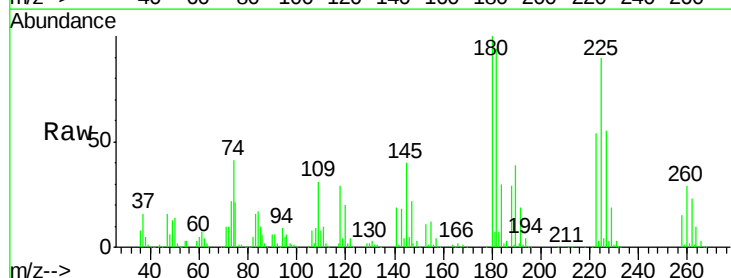
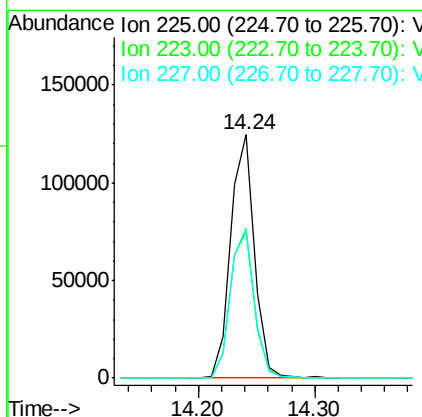
Manual Integrations
 APPROVED

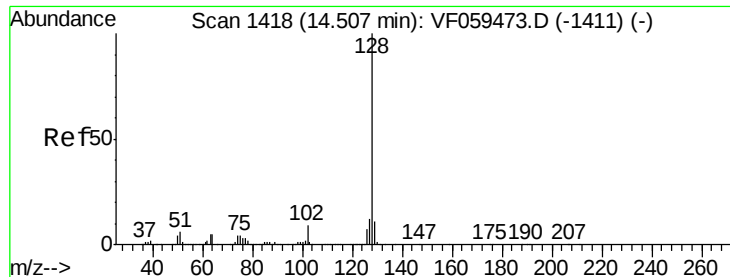
apatel
 7/9/2018 9:34:22 AM



#94
 Hexachlorobutadiene
 Concen: 60.18 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF059473.D
 Acq: 7 Jul 2018 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	176167		
223	60.3	30.1	90.5	
227	61.6	30.8	92.4	





#95

Naphthalene

Concen: 58.30 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Instrument :

MSVOA_F

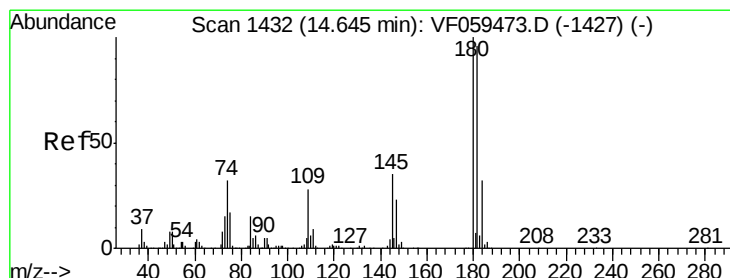
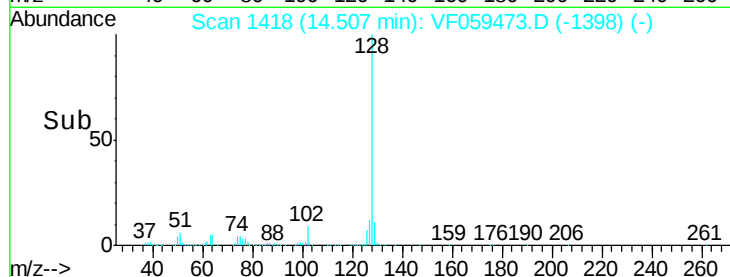
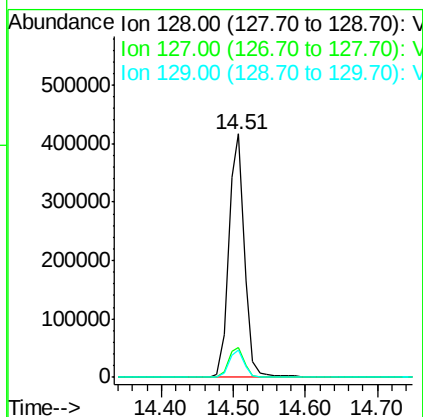
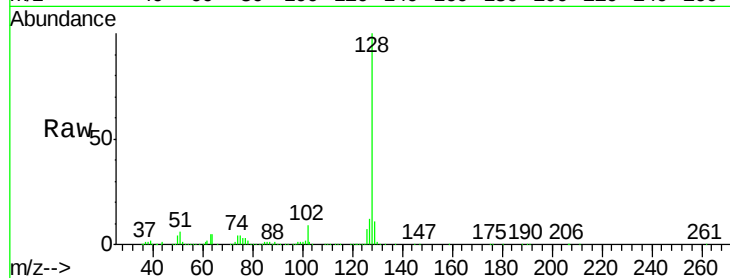
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	623260
Ion Ratio	Lower	Upper	
128	100		
127	12.4	9.9	14.9
129	11.3	9.0	13.6

Manual Integrations
APPROVED

apatel
7/9/2018 9:34:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 57.68 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF059473.D

Acq: 7 Jul 2018 3:27

Tgt Ion:	180	Resp:	280330
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	35.0	17.5	52.5

