

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071018\
 Data File : VF059481.D
 Acq On : 10 Jul 2018 13:47
 Operator : VA/AP
 Sample : VF0710SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

Manual Integrations
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 7/11/2018 11:33:33 AM

Quant Time: Jul 10 15:55:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 06:35:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	270361	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.74	114	407376	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	392496	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	254821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	231306	49.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	4.27	113	185821	47.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	7.69	98	477774	51.96	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	11.49	95	242592	47.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	69314	18.20	ug/l	97
3) Chloromethane	1.08	50	38224	20.35	ug/l	92
4) Vinyl Chloride	1.13	62	40554	20.67	ug/l	96
5) Bromomethane	1.33	94	28738	19.09	ug/l	97
6) Chloroethane	1.42	64	20720	20.03	ug/l	96
7) Trichlorofluoromethane	1.47	101	85491m	20.53	ug/l	
8) Diethyl Ether	1.70	74	19196	21.98	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.88	101	40837	18.10	ug/l	92
10) Methyl Iodide	1.95	142	77200	18.37	ug/l	93
11) Tert butyl alcohol	2.68	59	22646	105.71	ug/l #	89
12) 1,1-Dichloroethene	1.84	96	41972	20.54	ug/l	88
13) Acrolein	2.08	56	20510	123.56	ug/l	84
14) Allyl chloride	2.17	41	73184	20.63	ug/l	90
15) Acrylonitrile	3.06	53	42842	109.53	ug/l	94
16) Acetone	2.33	43	102106	145.17	ug/l	98
17) Carbon Disulfide	1.85	76	115354	21.46	ug/l #	94
18) Methyl Acetate	2.44	43	37789	23.14	ug/l	98
19) Methyl tert-butyl Ether	2.52	73	140978	21.18	ug/l	98
20) Methylene Chloride	2.31	84	51194m	23.24	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	45845	21.08	ug/l	97
22) Diisopropyl ether	2.91	45	158443	21.56	ug/l #	96
23) Vinyl Acetate	3.31	43	540820	126.74	ug/l	99
24) 1,1-Dichloroethane	2.98	63	100448	20.44	ug/l	98
25) 2-Butanone	4.49	43	128610	134.20	ug/l	97
26) 2,2-Dichloropropane	3.74	77	68502	24.18	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	58805	22.00	ug/l	86
28) Bromochloromethane	3.86	49	47264	23.17	ug/l	82
29) Tetrahydrofuran	4.23	42	59872	133.27	ug/l	98
30) Chloroform	4.01	83	145372	20.90	ug/l	100
31) Cyclohexane	3.84	56	64488	22.63	ug/l	93
32) 1,1,1-Trichloroethane	4.25	97	102991	19.26	ug/l	90
36) 1,1-Dichloropropene	4.43	75	88679	20.61	ug/l	97
37) Ethyl Acetate	4.27	43	61010	24.16	ug/l #	95
38) Carbon Tetrachloride	4.14	117	129412	21.05	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	79956	22.12	ug/l	93
40) Benzene	4.78	78	181633	21.54	ug/l	99
41) Methacrylonitrile	4.90	41	26512	22.86	ug/l #	90
42) 1,2-Dichloroethane	5.09	62	119865	19.62	ug/l	97
43) Isopropyl Acetate	7.09	43	69529	24.05	ug/l #	96
44) Trichloroethene	5.65	130	67045	21.56	ug/l	98
45) 1,2-Dichloropropane	6.38	63	49652	20.51	ug/l	91
46) Dibromomethane	6.23	93	46020	20.74	ug/l #	87
47) Bromodichloromethane	6.53	83	114422	20.26	ug/l	95
48) Methyl methacrylate	6.85	41	46957	22.77	ug/l #	89
49) 1,4-Dioxane	6.84	88	4688	500.77	ug/l #	87
51) 4-Methyl-2-Pentanone	8.38	43	253955	117.91	ug/l	99
52) Toluene	7.76	92	131725	20.92	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	100582	20.57	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	109043	22.34	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	51323	20.89	ug/l	96
56) Ethyl methacrylate	8.74	69	62992	22.66	ug/l	97
57) 1,3-Dichloropropane	8.98	76	87826	20.93	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	25491	95.77	ug/l	100
59) 2-Hexanone	9.61	43	209822	131.07	ug/l	100
60) Dibromochloromethane	8.84	129	84057	20.53	ug/l	95
61) 1,2-Dibromoethane	9.11	107	63171	20.93	ug/l	99
64) Tetrachloroethene	8.28	164	64646	19.66	ug/l	97
65) Chlorobenzene	9.92	112	166213	21.73	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	76213	21.63	ug/l	98
67) Ethyl Benzene	10.02	91	295470	22.22	ug/l	100
68) m/p-Xylenes	10.24	106	223019	47.59	ug/l	96
69) o-Xylene	10.81	106	117049	23.20	ug/l	90
70) Styrene	10.88	104	179274	22.80	ug/l	94
71) Bromoform	10.87	173	52484	21.62	ug/l #	99
73) Isopropylbenzene	11.22	105	430596	27.80	ug/l	98
74) N-amyl acetate	11.45	43	122954	26.00	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	78363	22.26	ug/l	91
76) 1,2,3-Trichloropropane	11.87	75	63113	22.02	ug/l	97
77) Bromobenzene	11.58	156	93358	21.78	ug/l	91
78) n-propylbenzene	11.67	91	411088	22.10	ug/l	98
79) 2-Chlorotoluene	11.80	91	246674	21.43	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	296459	21.60	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	35706	24.01	ug/l	95
82) 4-Chlorotoluene	11.98	91	267858	21.96	ug/l	94
83) tert-Butylbenzene	12.20	119	304285	22.79	ug/l	91
84) 1,2,4-Trimethylbenzene	12.27	105	317358	21.99	ug/l	98
85) sec-Butylbenzene	12.37	105	389287	21.61	ug/l	99
86) p-Isopropyltoluene	12.53	119	351751	22.83	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	169701	20.90	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	171327	21.67	ug/l	97
89) n-Butylbenzene	12.90	91	344463	22.95	ug/l	95
90) Hexachloroethane	12.98	117	82967	20.72	ug/l	86
91) 1,2-Dichlorobenzene	13.01	146	172864	21.47	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17497	19.85	ug/l	87

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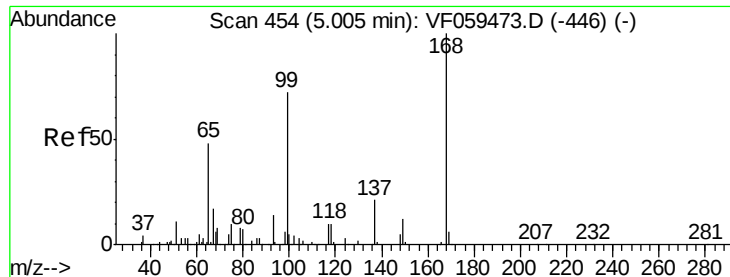
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	137073	22.92	ug/l	94
94) Hexachlorobutadiene	14.24	225	80641	22.25	ug/l	97
95) Naphthalene	14.51	128	272131	22.90	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	128037	22.07	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion:168 Resp: 270361

Ion Ratio Lower Upper

168 100

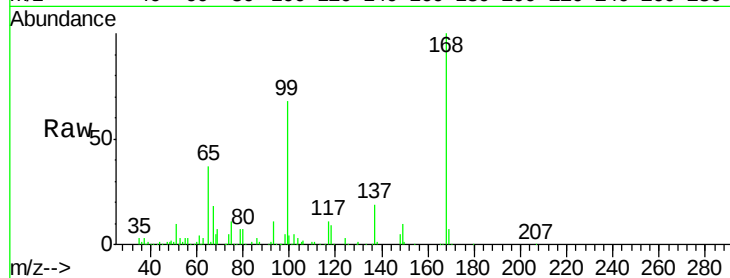
99 68.0 57.7 86.5

Manual Integrations

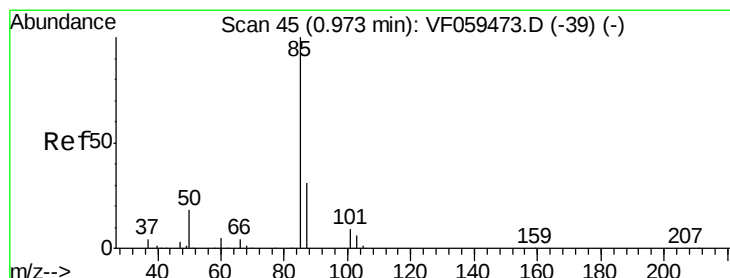
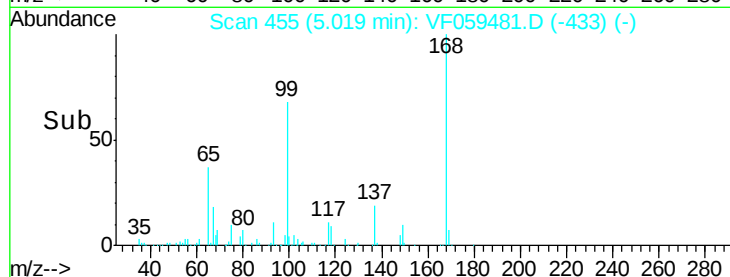
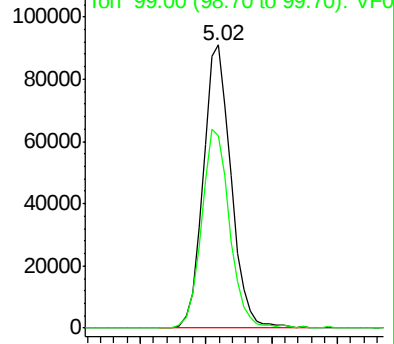
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 18.20 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059481.D

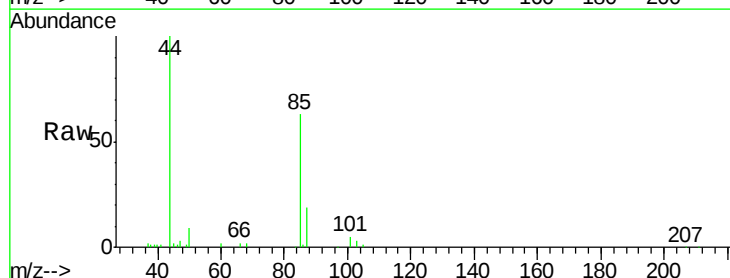
Acq: 10 Jul 2018 13:47

Tgt Ion: 85 Resp: 69314

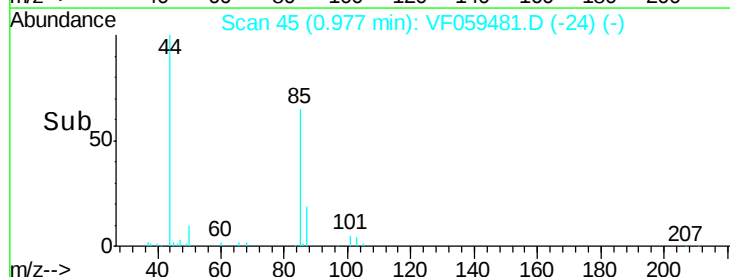
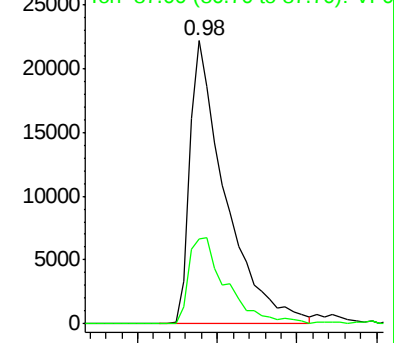
Ion Ratio Lower Upper

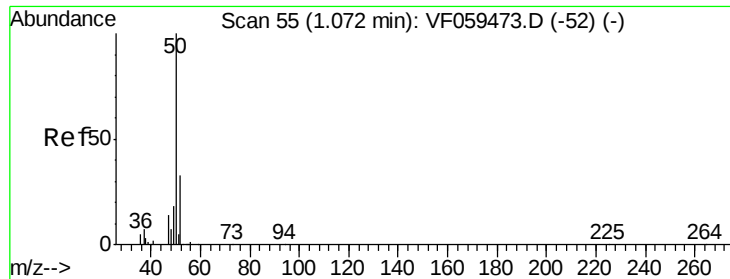
85 100

87 29.8 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 20.35 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion: 50 Resp: 38224

Ion Ratio Lower Upper

50 100

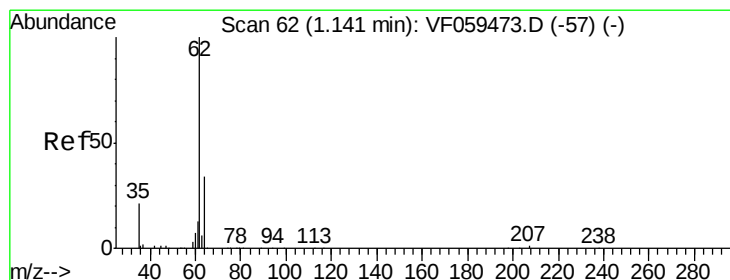
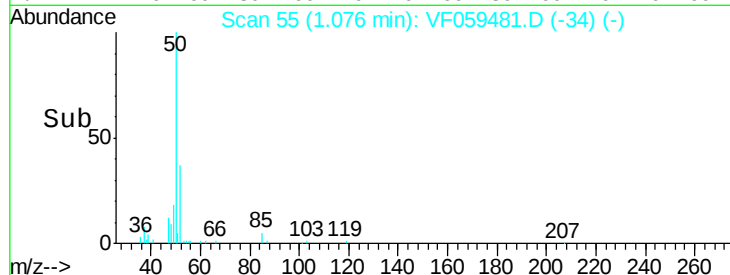
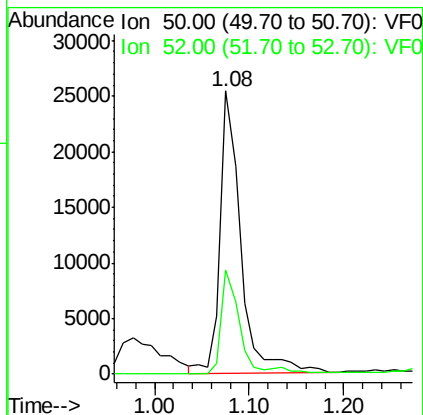
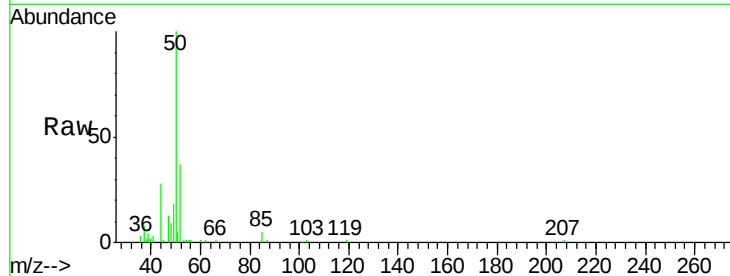
52 37.0 25.9 38.9

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#4

Vinyl Chloride

Concen: 20.67 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059481.D

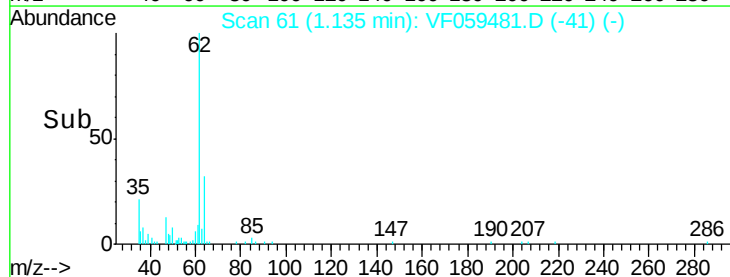
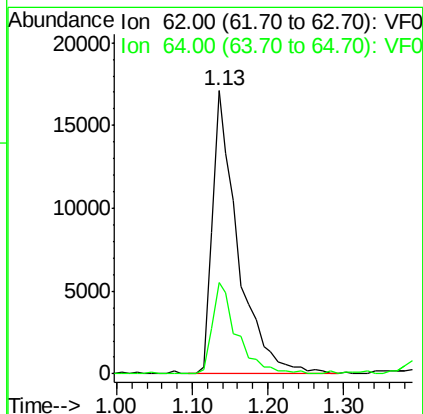
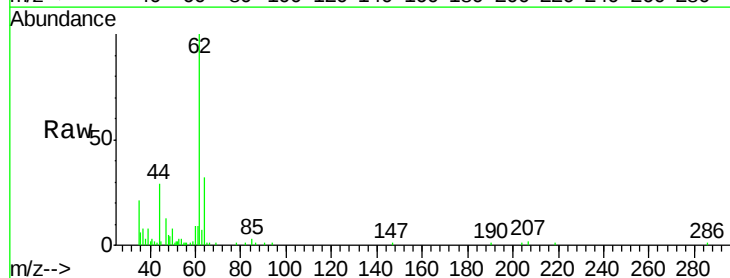
Acq: 10 Jul 2018 13:47

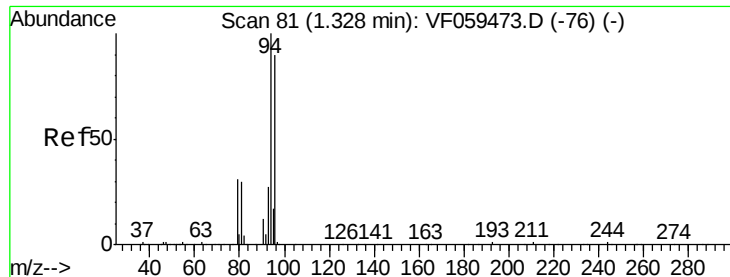
Tgt Ion: 62 Resp: 40554

Ion Ratio Lower Upper

62 100

64 32.1 27.3 40.9





#5

Bromomethane

Concen: 19.09 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

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ClientSampleId :

VF0710SBS01

Tot Ion: 94 Resp: 28738

Ion Ratio Lower Upper

94 100

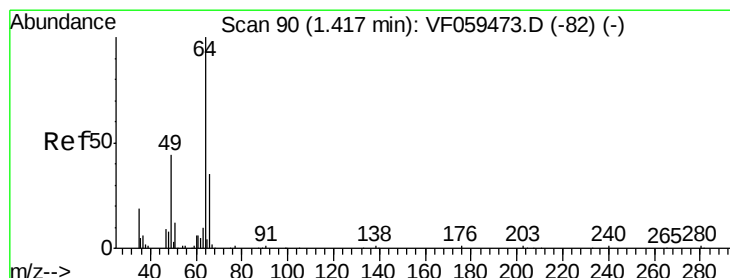
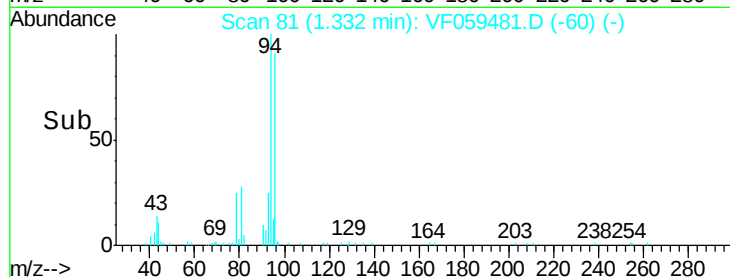
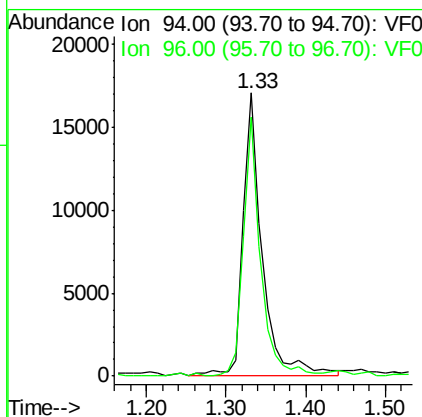
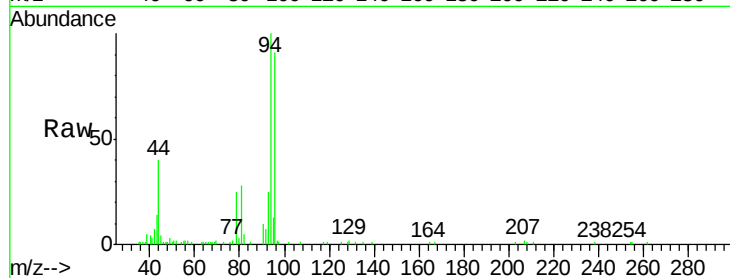
96 93.0 72.0 108.0

Manual Integrations

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#6

Chloroethane

Concen: 20.03 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059481.D

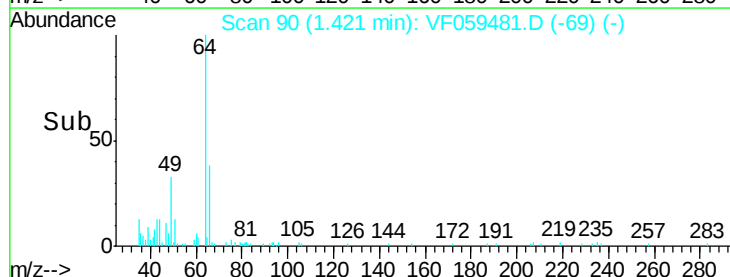
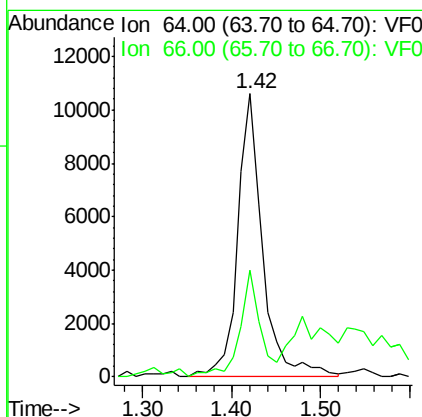
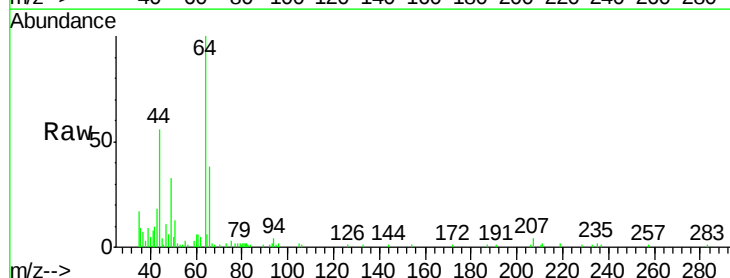
Acq: 10 Jul 2018 13:47

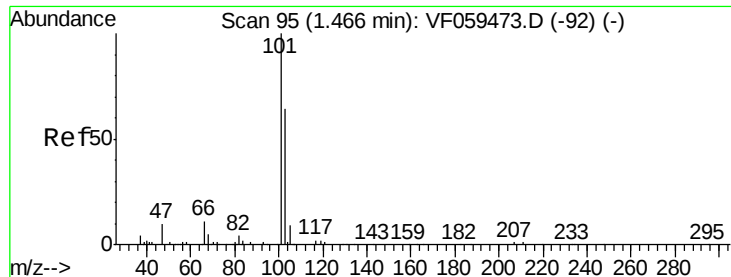
Tgt Ion: 64 Resp: 20720

Ion Ratio Lower Upper

64 100

66 37.5 28.1 42.1





#7

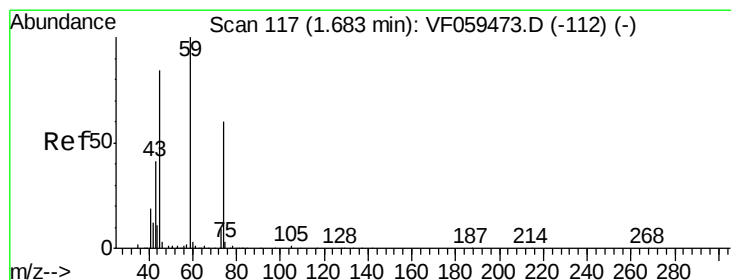
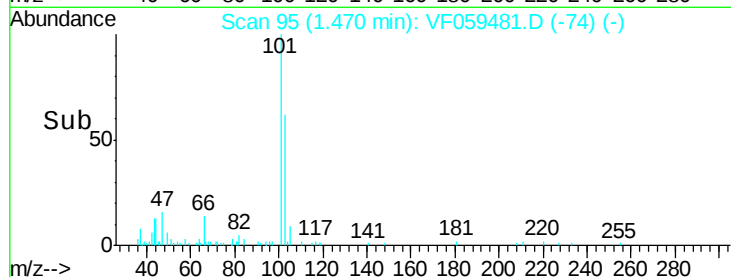
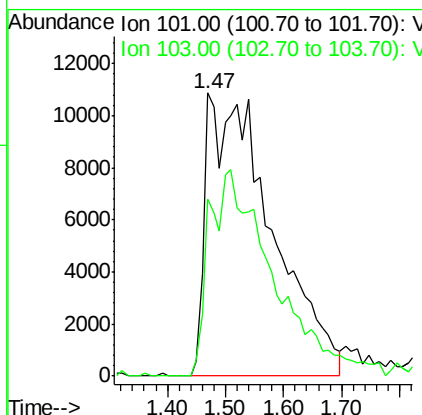
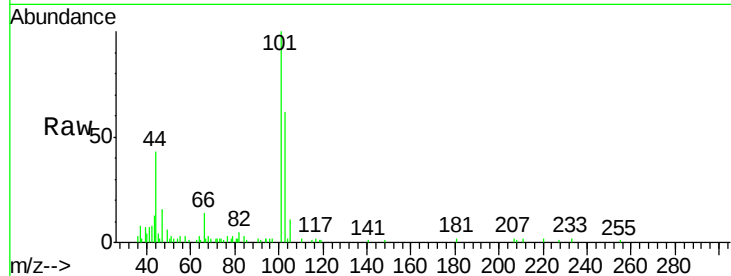
Trichlorofluoromethane
Concen: 20.53 ug/l m
RT: 1.47 min Scan# 95
Delta R.T. 0.00 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
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ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.2	76.8

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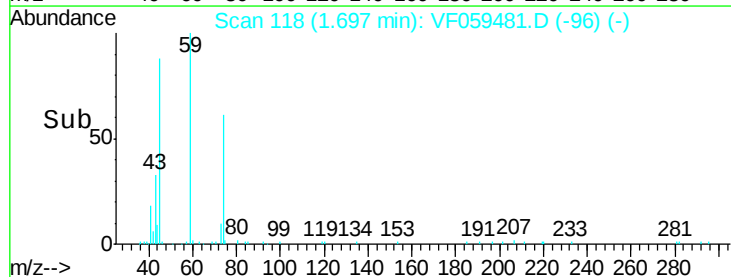
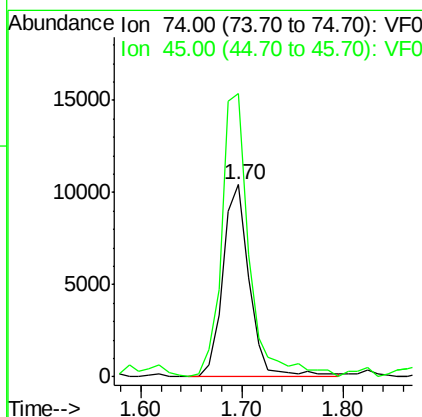
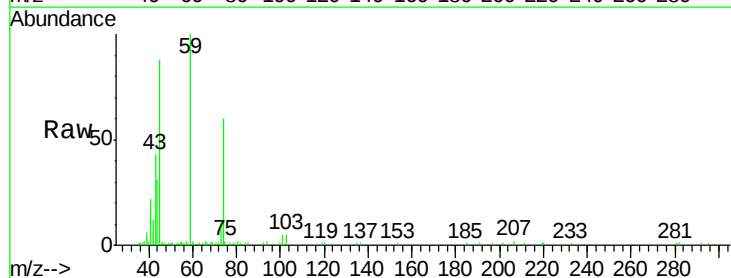
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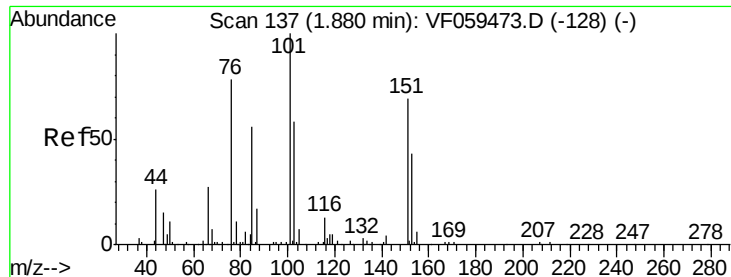


#8

Diethyl Ether
Concen: 21.98 ug/l
RT: 1.70 min Scan# 118
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	147.2	71.1	213.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.10 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

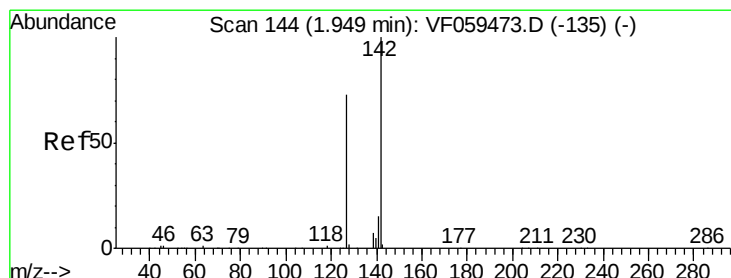
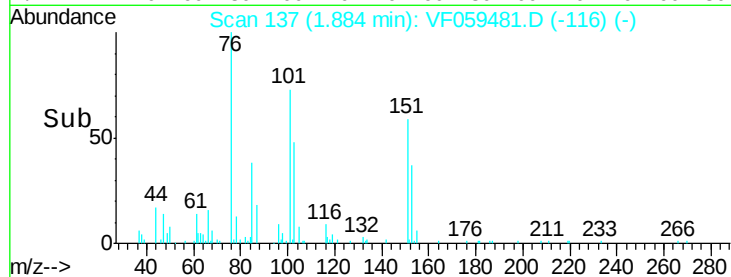
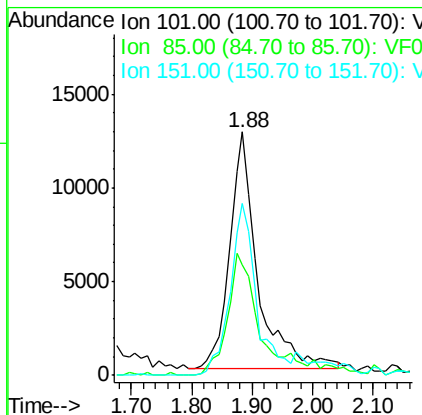
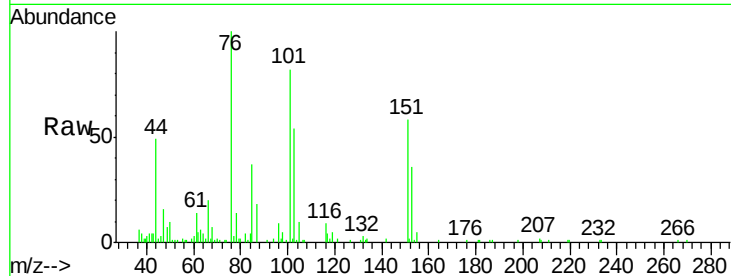
ClientSampleId :

VF0710SBS01

Tot Ion:	101	Resp:	40837
Ion Ratio	Lower	Upper	
101	100		
85	45.6	43.8	65.8
151	70.5	54.2	81.4

Manual Integrations
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#10

Methyl Iodide

Concen: 18.37 ug/l

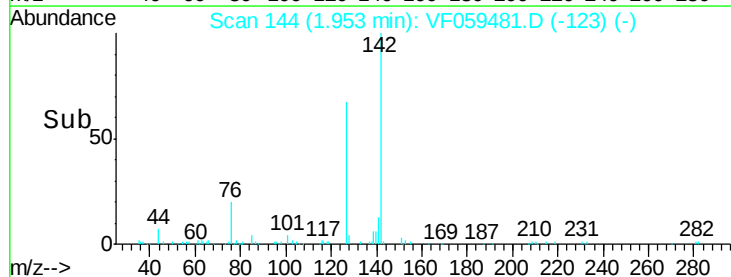
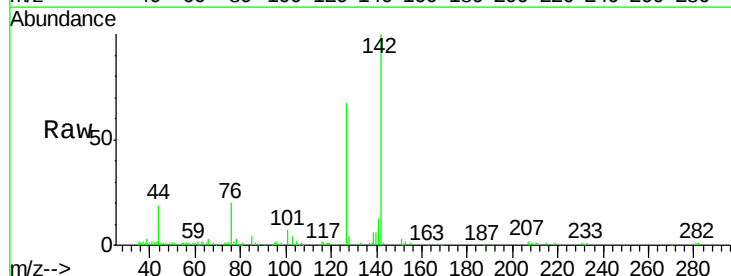
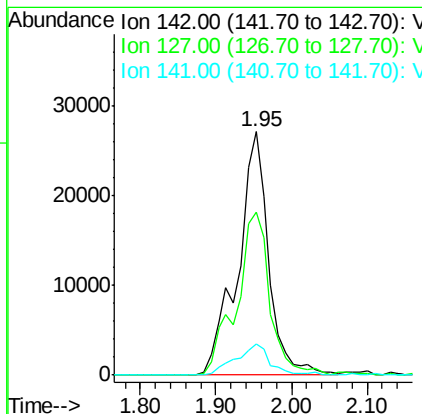
RT: 1.95 min Scan# 144

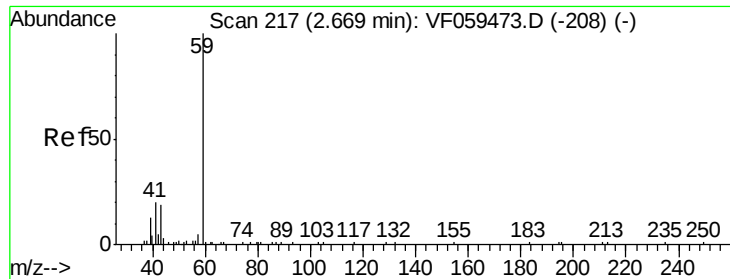
Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Tgt Ion:	142	Resp:	77200
Ion Ratio	Lower	Upper	
142	100		
127	66.7	58.2	87.2
141	12.8	11.7	17.5





#11

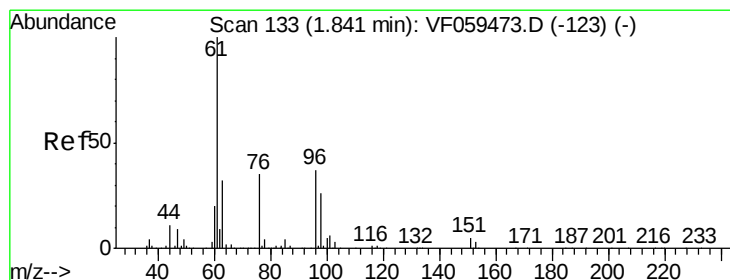
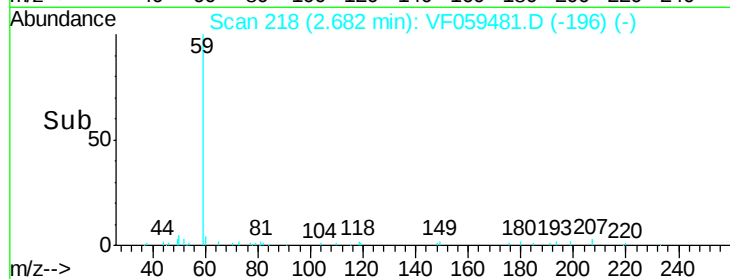
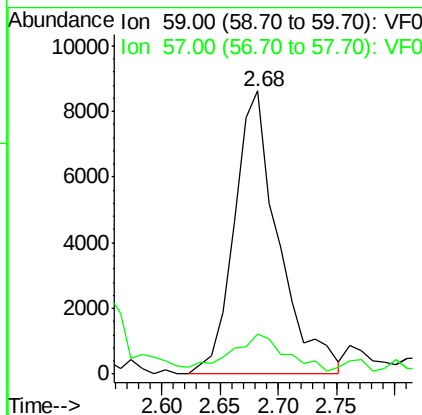
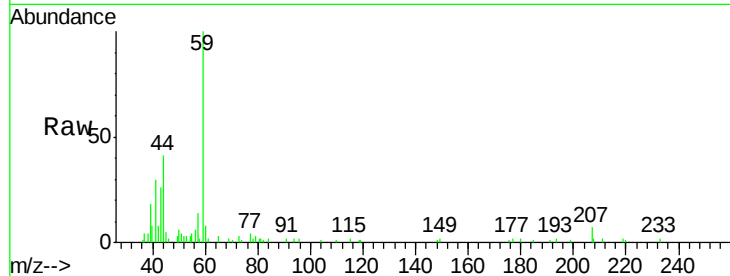
Tert butyl alcohol
Concen: 105.71 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.0	7.8	11.8#

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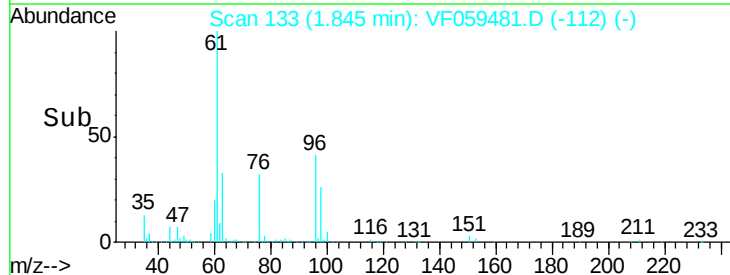
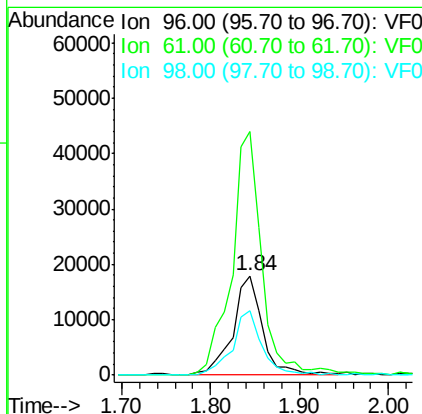
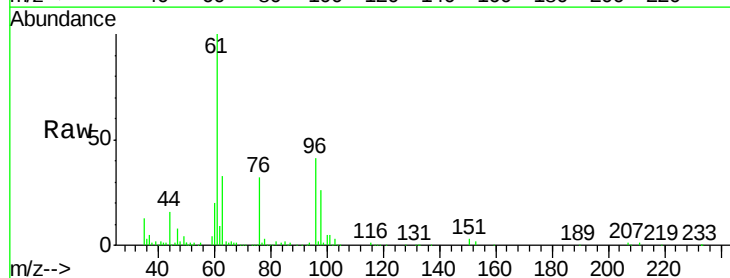
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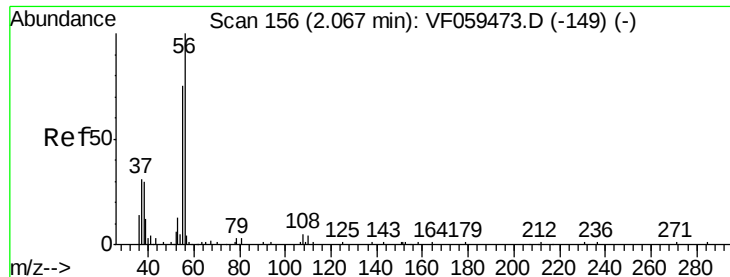


#12

1,1-Dichloroethene
Concen: 20.54 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	244.5	214.4	321.6
98	64.2	55.6	83.4





#13

Acrolein

Concen: 123.56 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF059481.D

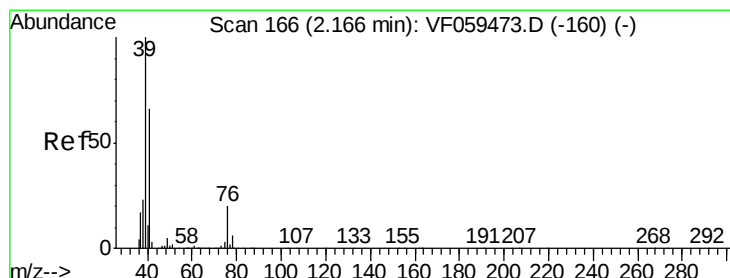
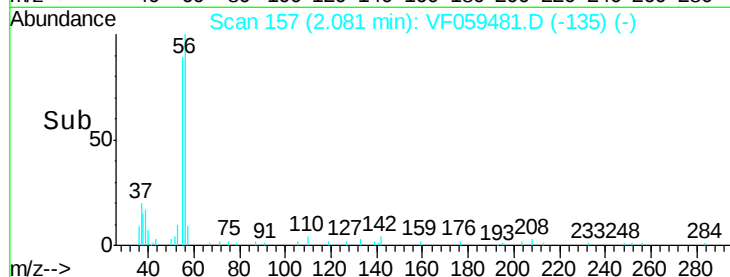
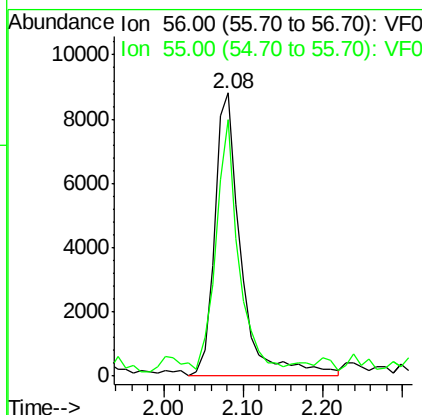
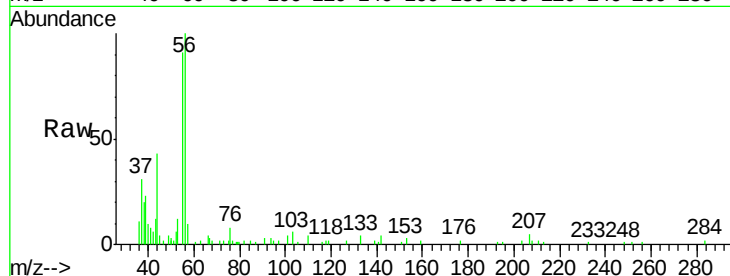
Acq: 10 Jul 2018 13:47

Tot Ion:	56	Resp:	20510
Ion Ratio	Lower	Upper	
56	100		
55	90.5	61.2	91.8

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

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#14

Allyl chloride

Concen: 20.63 ug/l

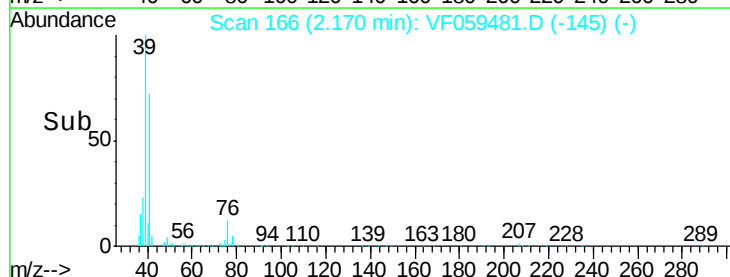
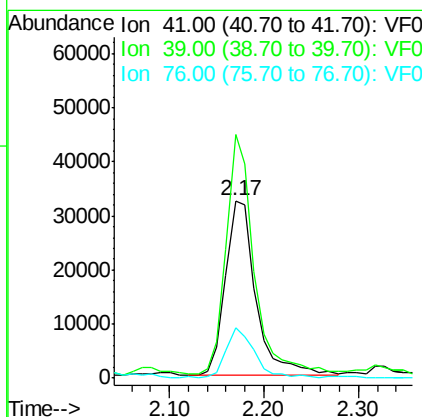
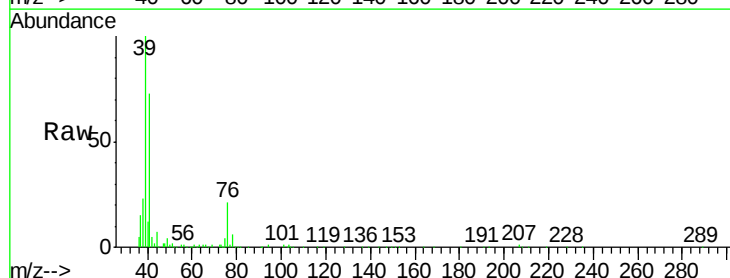
RT: 2.17 min Scan# 166

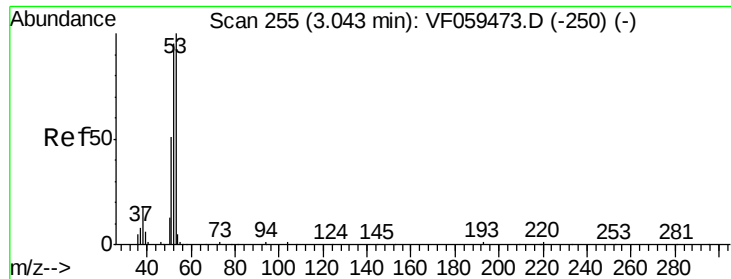
Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Tgt Ion:	41	Resp:	73184
Ion Ratio	Lower	Upper	
41	100		
39	137.2	120.7	181.1
76	28.2	24.0	36.0





#15

Acrylonitrile

Concen: 109.53 ug/l

RT: 3.06 min Scan# 256

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

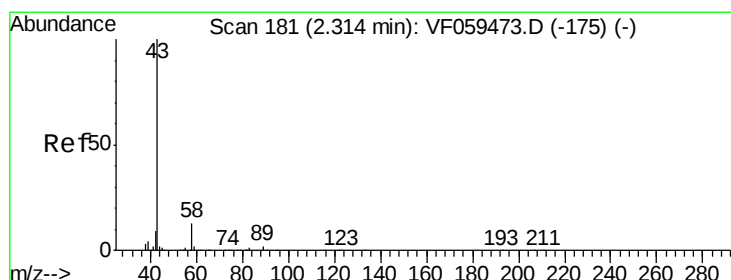
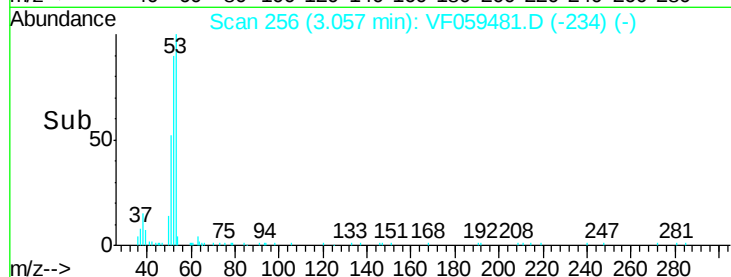
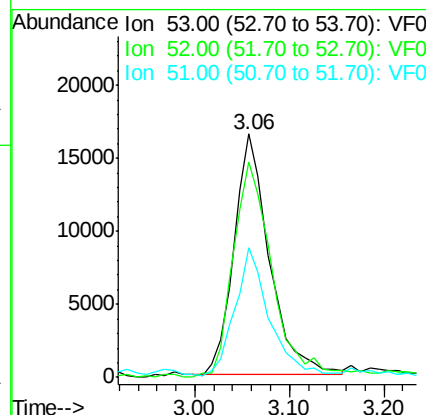
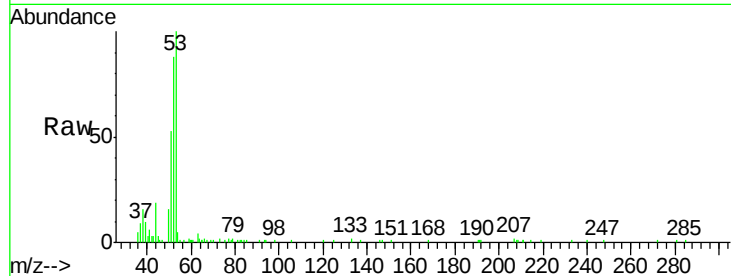
ClientSampleId :

VF0710SBS01

Tot Ion:	53	Resp:	42842
Ion	Ratio	Lower	Upper
53	100		
52	88.4	76.8	115.2
51	53.4	41.8	62.8

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#16

Acetone

Concen: 145.17 ug/l

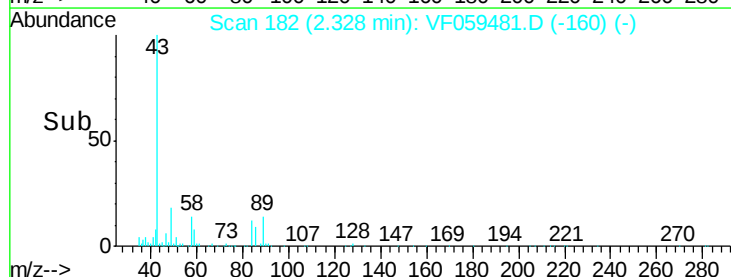
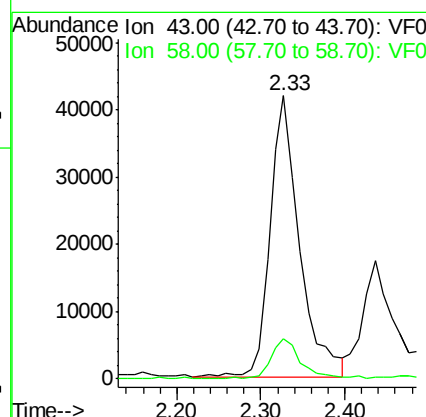
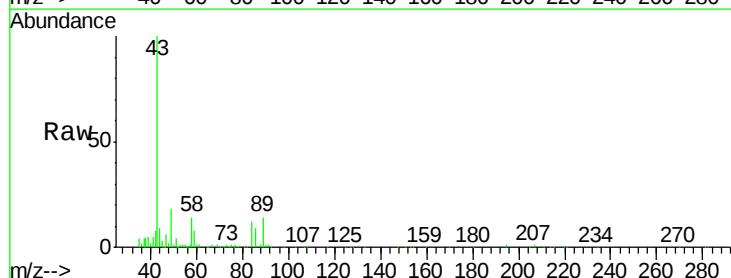
RT: 2.33 min Scan# 182

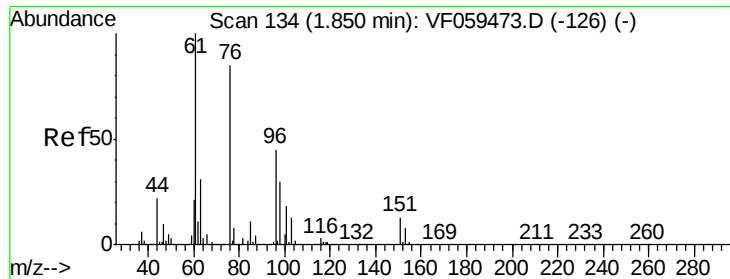
Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Tgt Ion:	43	Resp:	102106
Ion	Ratio	Lower	Upper
43	100		
58	14.1	10.5	15.7





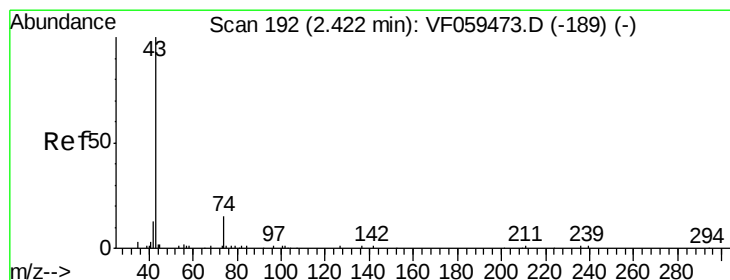
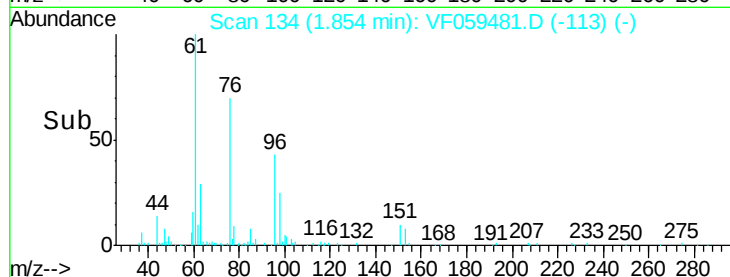
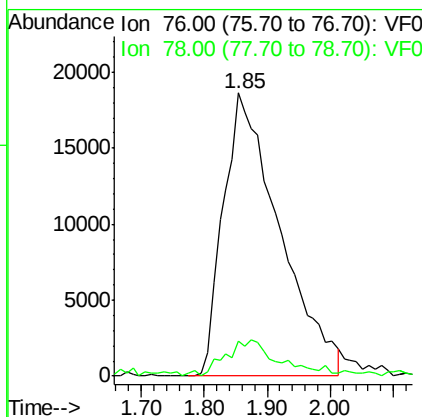
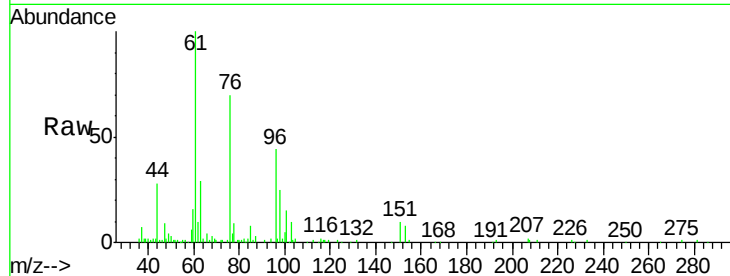
#17
Carbon Disulfide
Concen: 21.46 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion: 76 Resp: 115354
Ion Ratio Lower Upper
76 100
78 12.2 8.0 12.0#

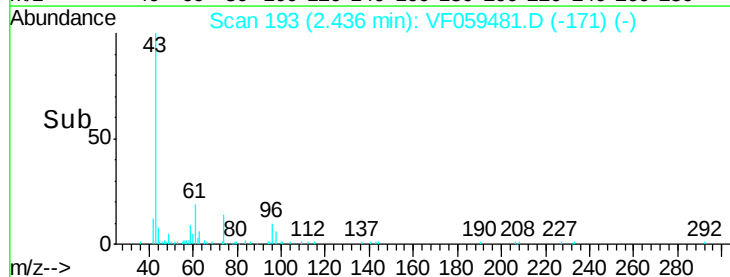
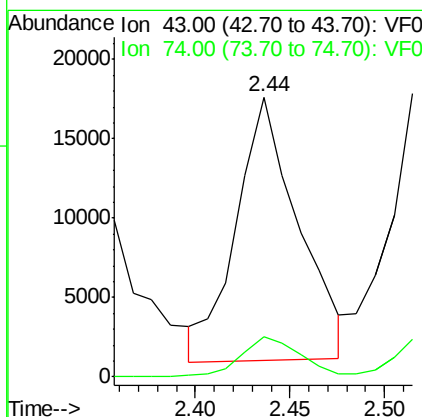
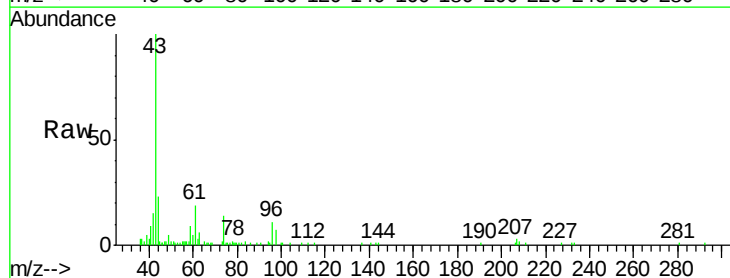
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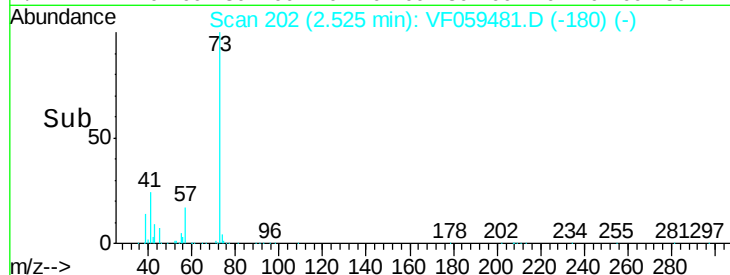
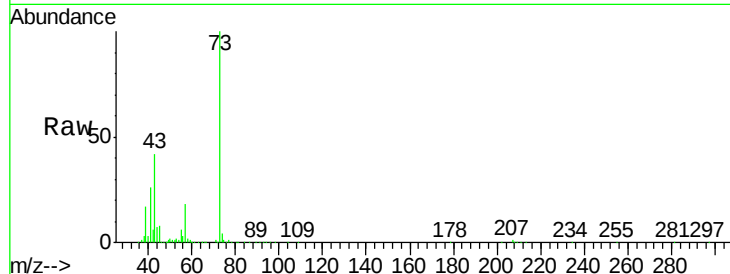
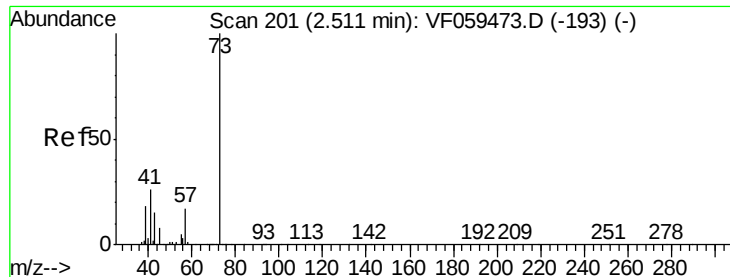
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#18
Methyl Acetate
Concen: 23.14 ug/l
RT: 2.44 min Scan# 193
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion: 43 Resp: 37789
Ion Ratio Lower Upper
43 100
74 14.3 10.8 16.2





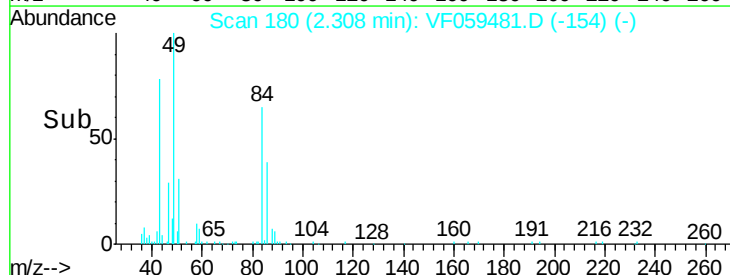
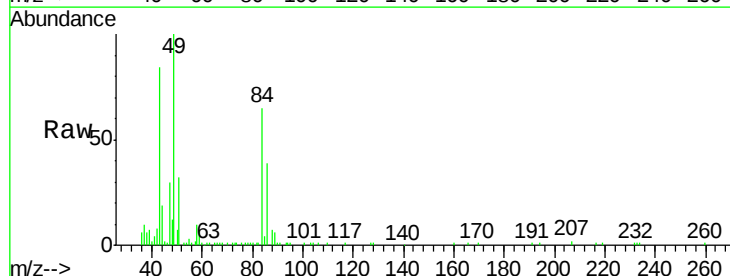
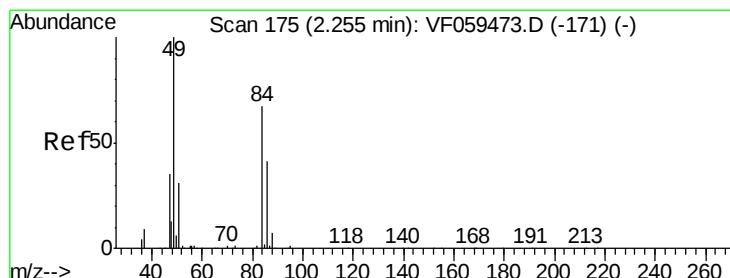
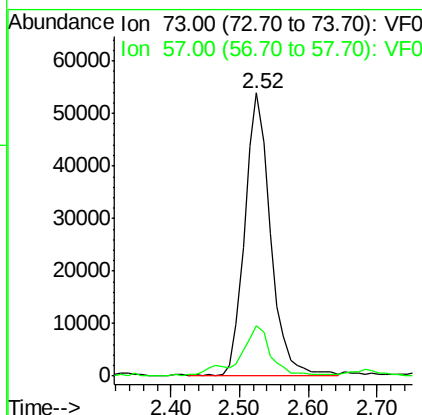
#19
Methvl tert-butvl Ether
Concen: 21.18 ug/l
RT: 2.52 min Scan# 202
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.9	13.7	20.5

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

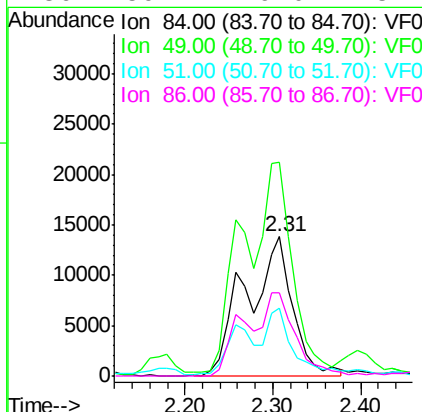
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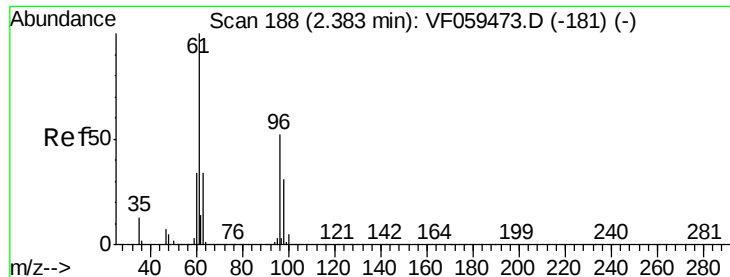
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#20
Methylene Chloride
Concen: 23.24 ug/l m
RT: 2.31 min Scan# 180
Delta R.T. 0.05 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.5	120.4	180.6
51	48.5	38.1	57.1
86	59.4	49.0	73.4





#21

trans-1,2-Dichloroethene

Concen: 21.08 ug/l

RT: 2.40 min Scan# 189

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

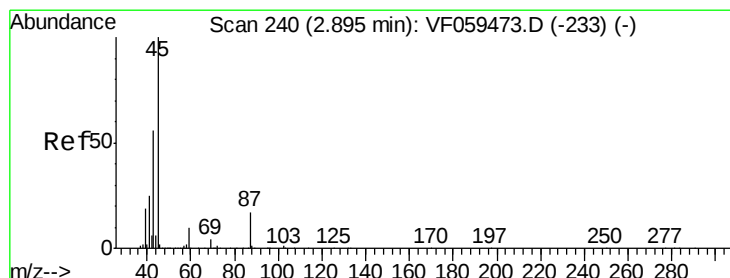
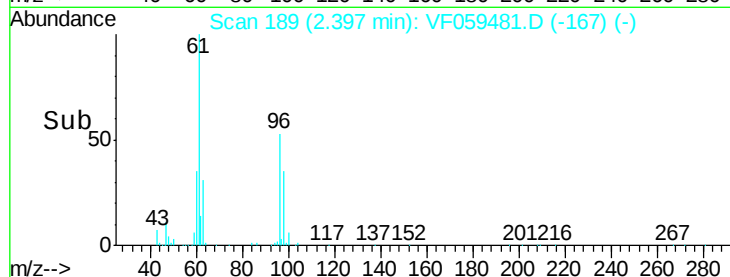
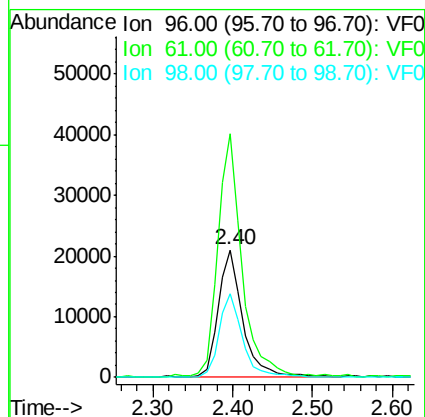
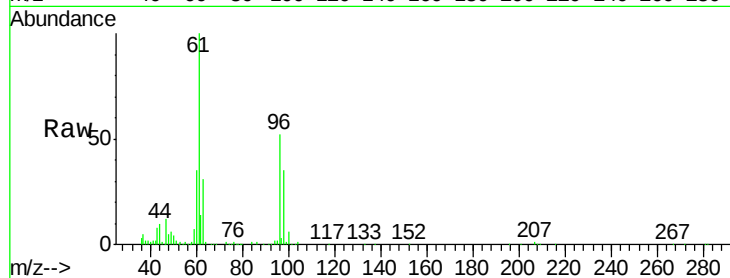
ClientSampled :

VF0710SBS01

Tot Ion:	96	Resp:	45845
Ion	Ratio	Lower	Upper
96	100		
61	191.0	154.3	231.5
98	66.0	48.2	72.4

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#22

Diisopropyl ether

Concen: 21.56 ug/l

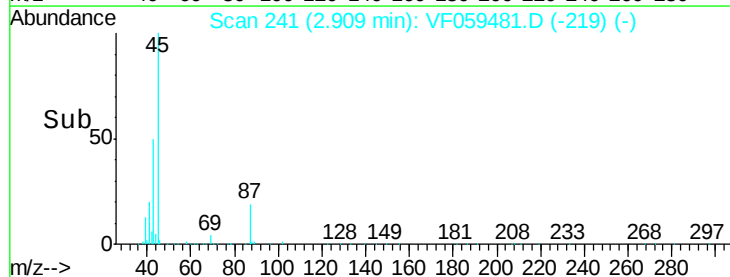
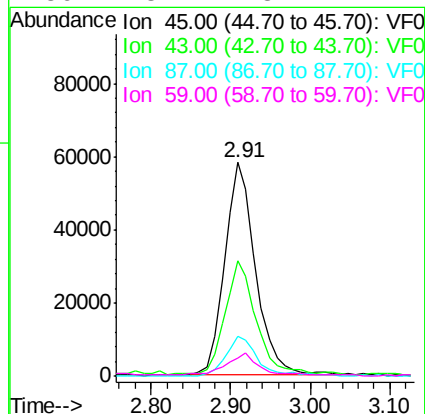
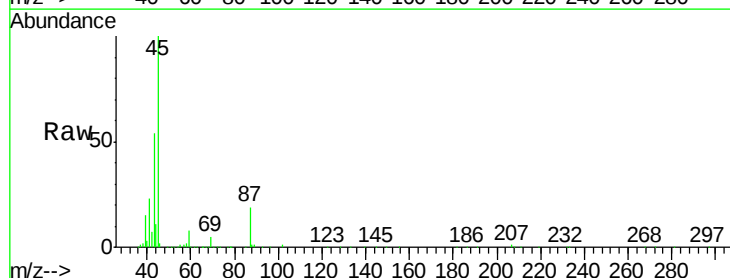
RT: 2.91 min Scan# 241

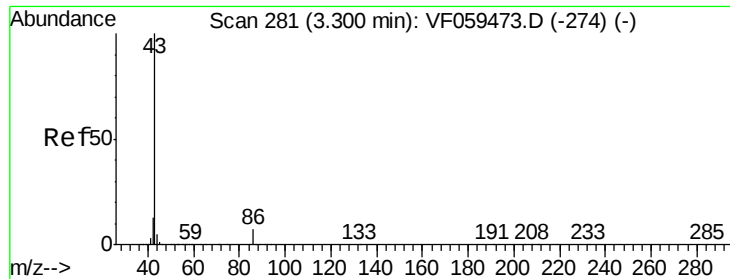
Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Tgt Ion:	45	Resp:	158443
Ion	Ratio	Lower	Upper
45	100		
43	53.8	45.4	68.2
87	18.8	13.5	20.3
59	8.2	8.2	12.4#





#23

Vinyl Acetate

Concen: 126.74 ug/l

RT: 3.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion: 43 Resp: 540820

Ion Ratio Lower Upper

43 100

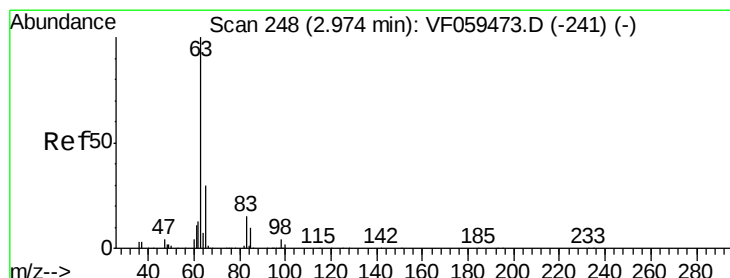
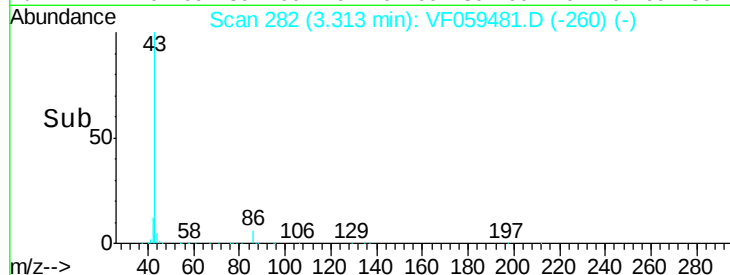
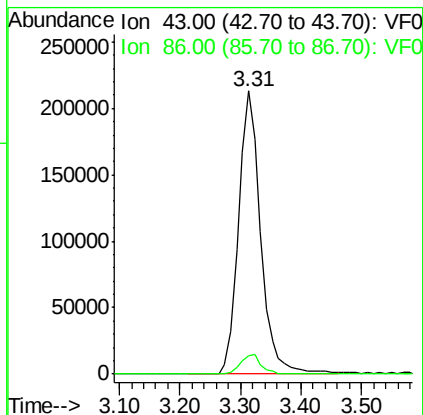
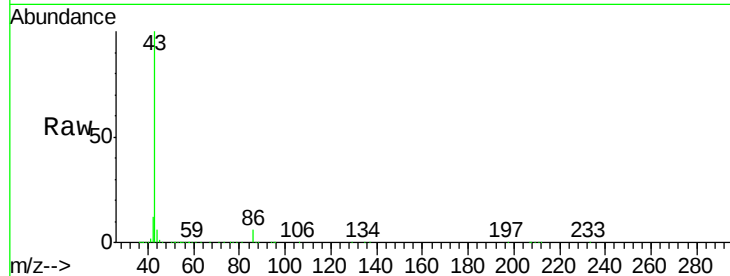
86 6.3 5.3 7.9

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#24

1,1-Dichloroethane

Concen: 20.44 ug/l

RT: 2.98 min Scan# 248

Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

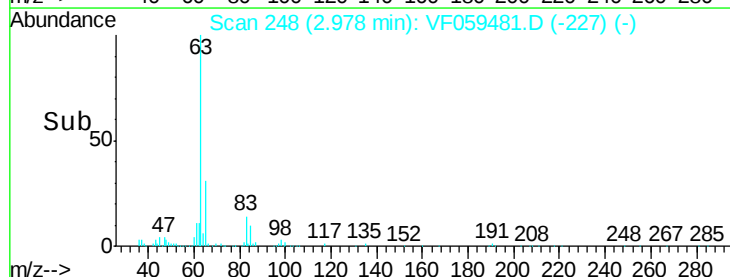
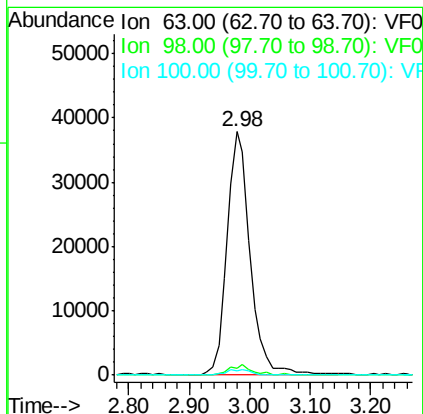
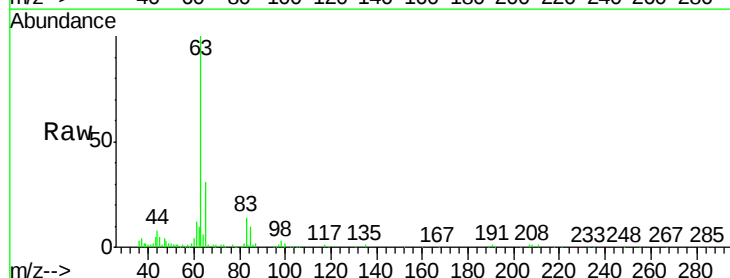
Tgt Ion: 63 Resp: 100448

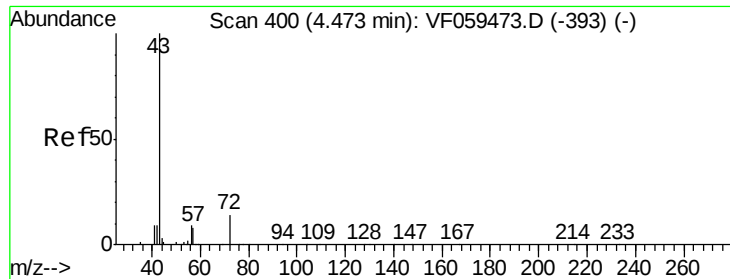
Ion Ratio Lower Upper

63 100

98 2.7 1.8 5.5

100 1.9 1.1 3.3





#25

2-Butanone

Concen: 134.20 ug/l

RT: 4.49 min Scan# 401

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion: 43 Resp: 128610

Ion Ratio Lower Upper

43 100

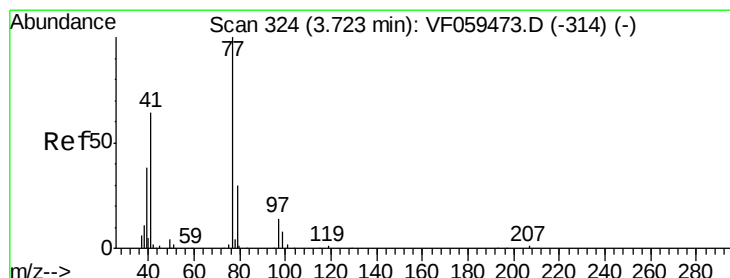
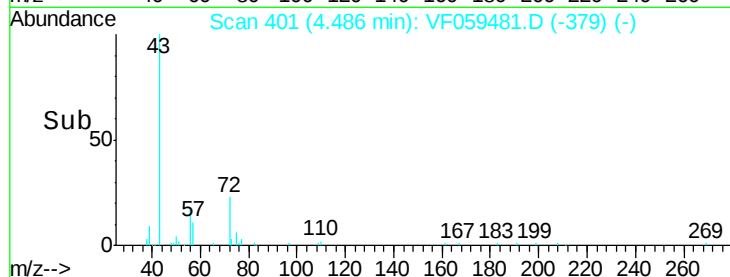
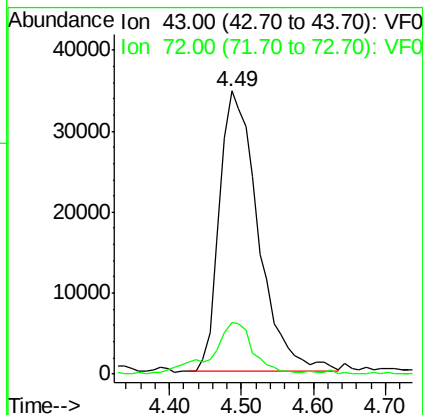
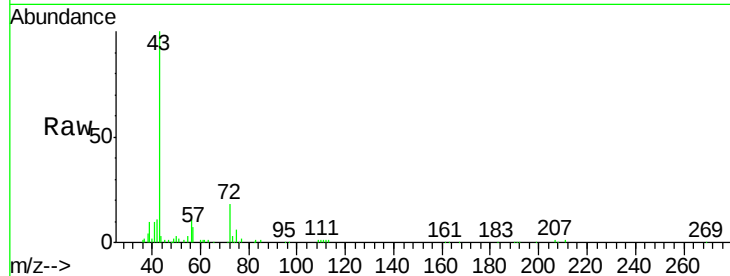
72 18.4 13.8 20.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.18 ug/l

RT: 3.74 min Scan# 325

Delta R.T. 0.01 min

Lab File: VF059481.D

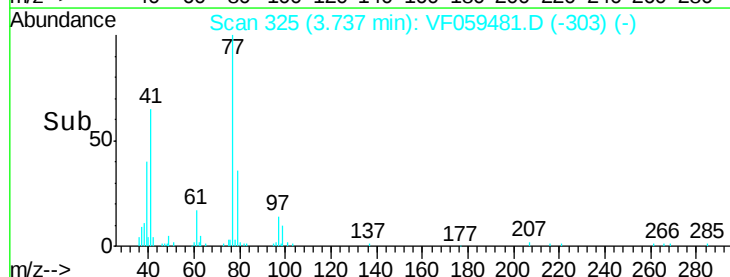
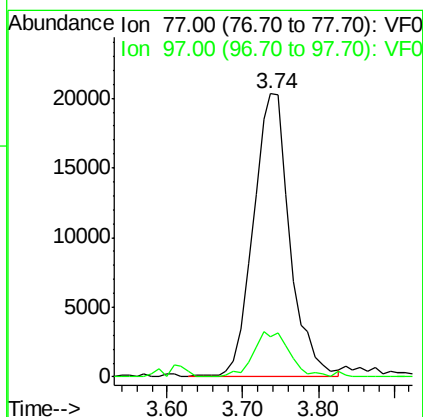
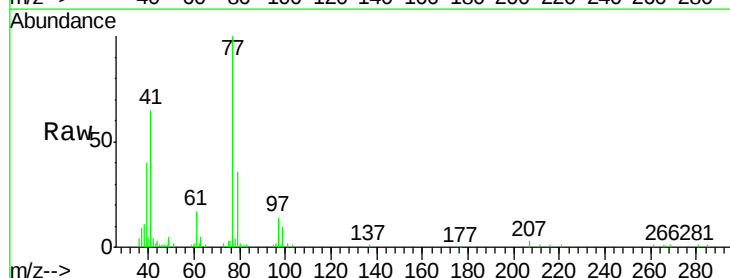
Acq: 10 Jul 2018 13:47

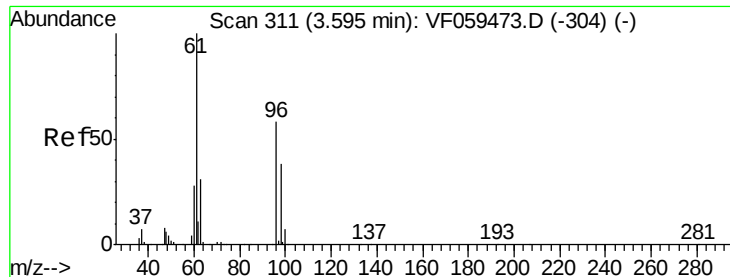
Tgt Ion: 77 Resp: 68502

Ion Ratio Lower Upper

77 100

97 14.0 7.7 23.1





#27

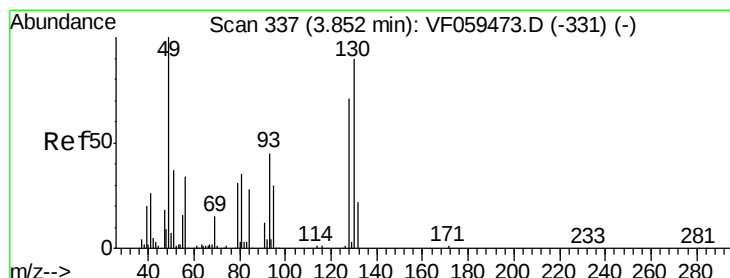
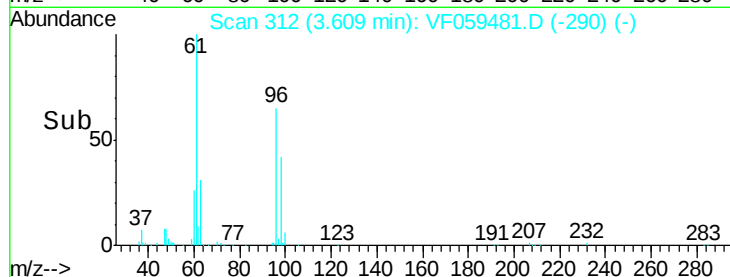
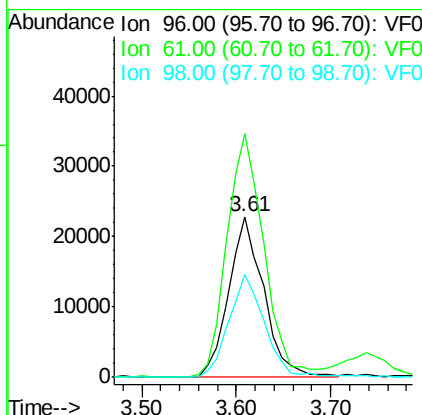
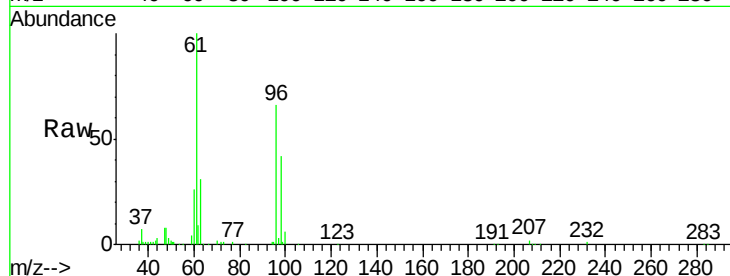
cis-1,2-Dichloroethene
Concen: 22.00 ug/l
RT: 3.61 min Scan# 312
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	58805		
61	146.2		0.0	342.0
98	61.6		0.0	130.0

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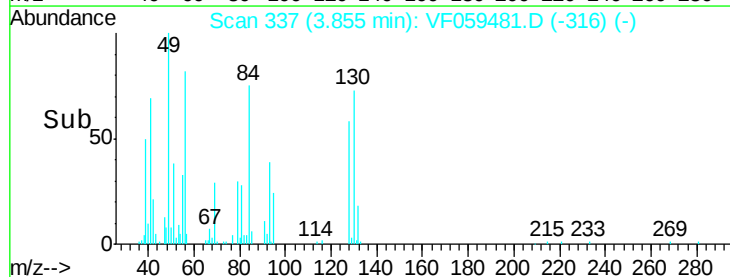
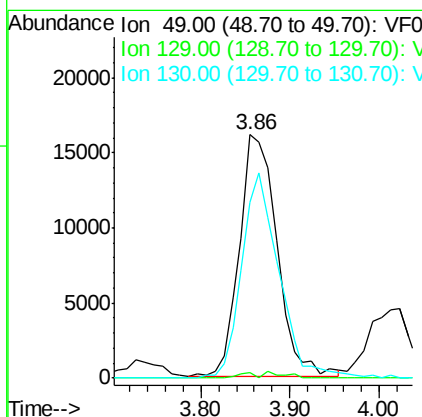
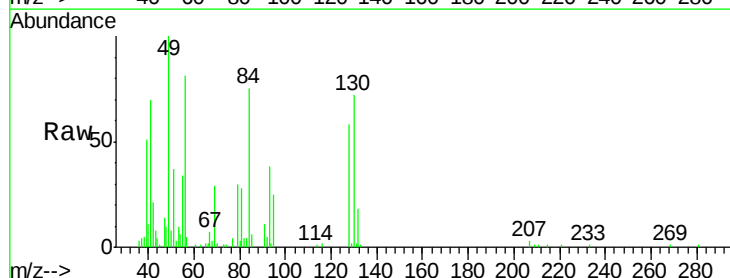
apatel
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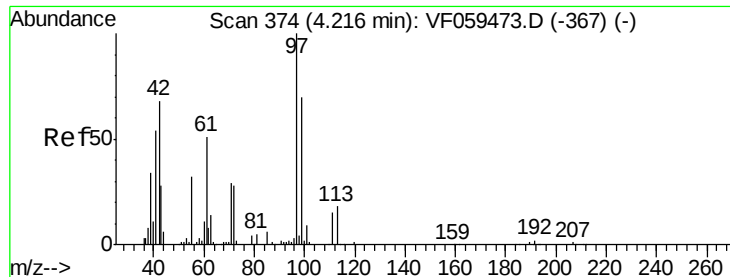


#28

Bromochloromethane
Concen: 23.17 ug/l
RT: 3.86 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	47264		
129	2.5		0.0	6.2
130	72.2		71.4	107.0





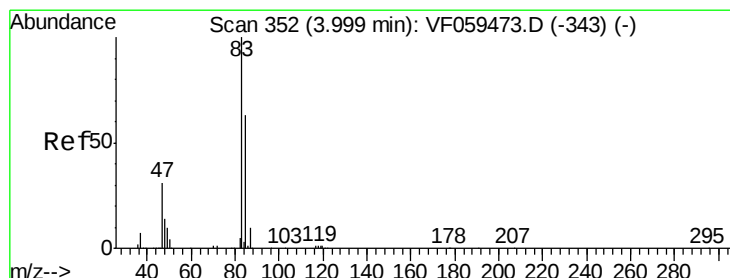
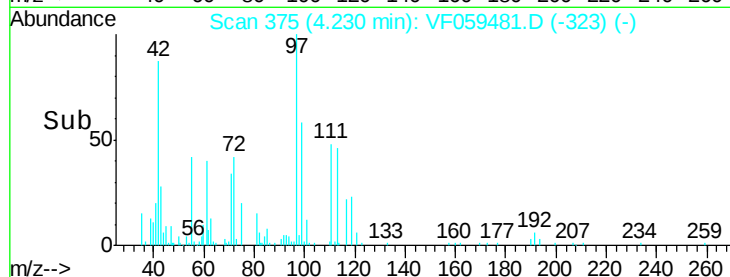
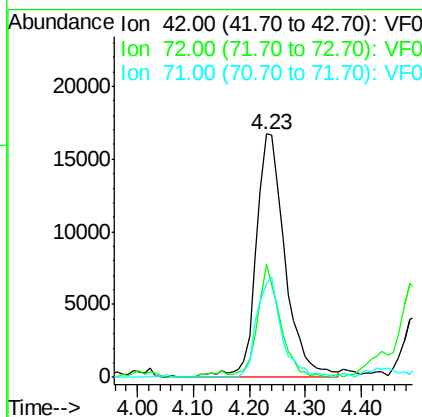
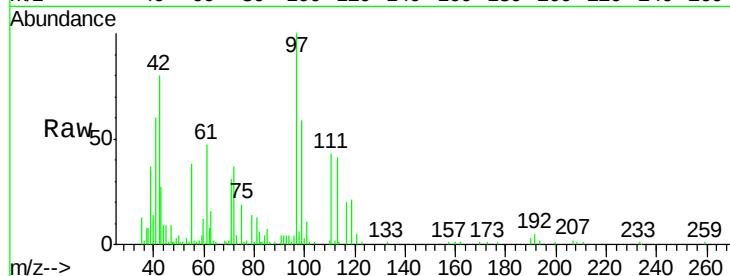
#29
Tetrahydrofuran
Concen: 133.27 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	42	Resp	59872
Ion	Ratio	Lower	Upper
42	100		
72	36.0	29.2	43.8
71	35.5	30.1	45.1

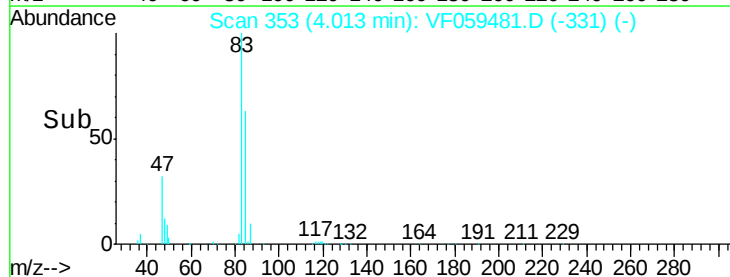
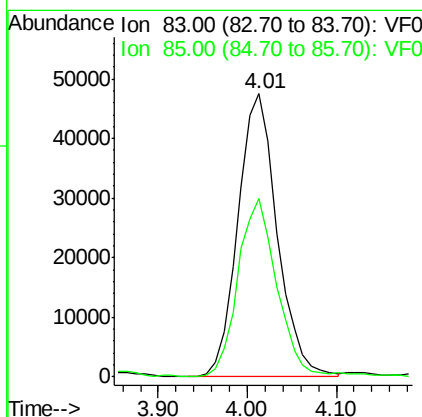
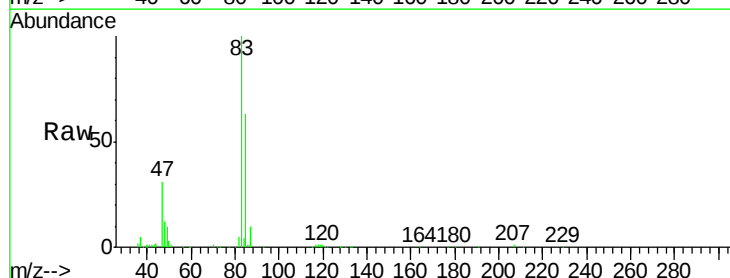
Manual Integrations
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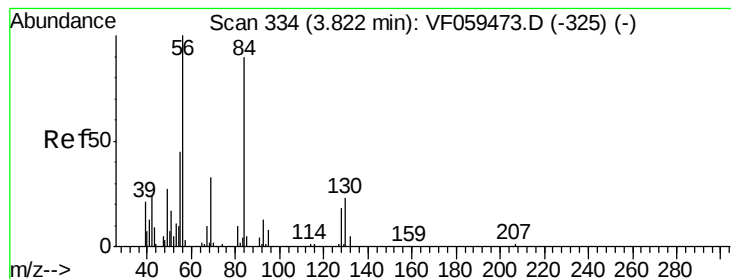
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#30
Chloroform
Concen: 20.90 ug/l
RT: 4.01 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	83	Resp	145372
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.3	75.5





#31

Cyclohexane

Concen: 22.63 ug/l

RT: 3.84 min Scan# 335

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

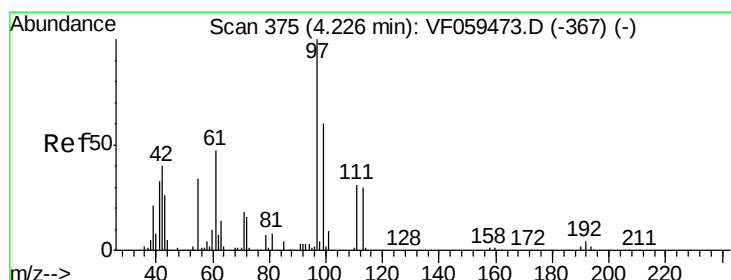
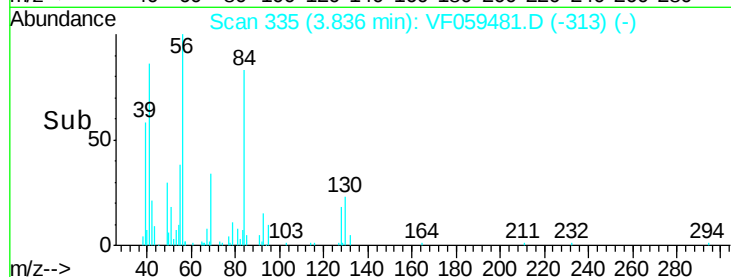
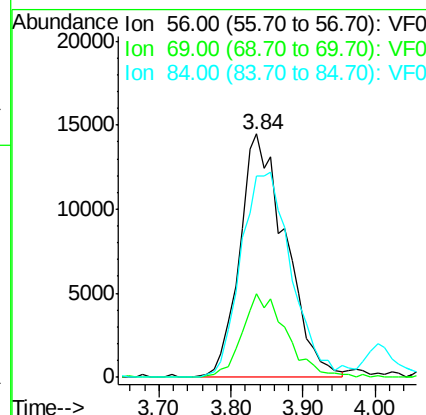
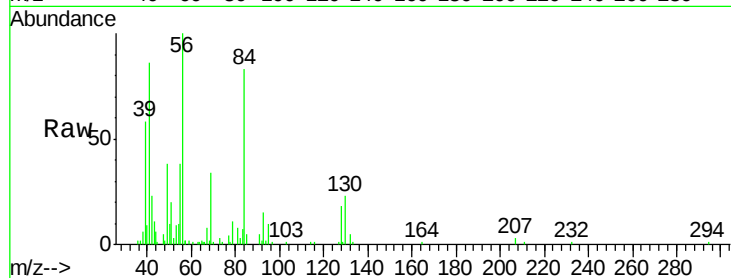
ClientSampleId :

VF0710SBS01

Tot Ion:	56	Resp:	64488
Ion	Ratio	Lower	Upper
56	100		
69	34.2	26.2	39.2
84	82.8	72.3	108.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.26 ug/l

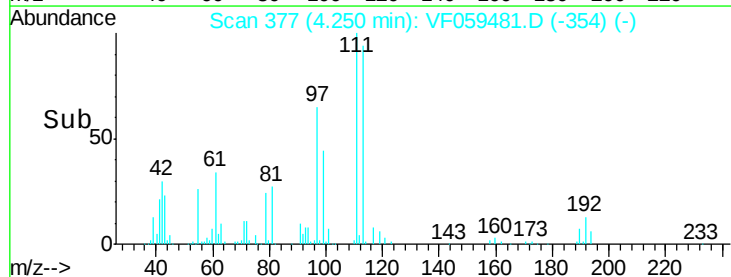
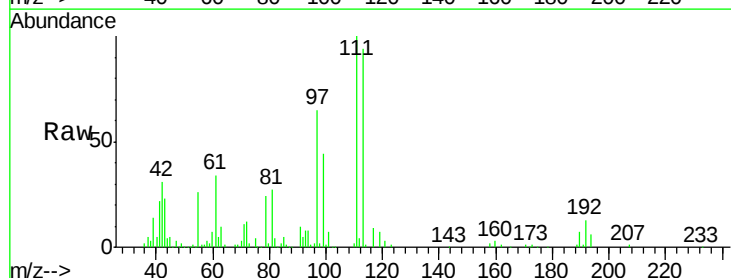
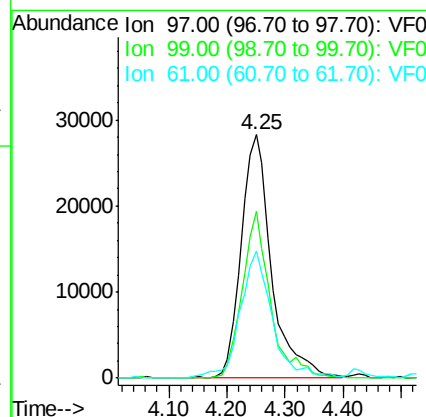
RT: 4.25 min Scan# 377

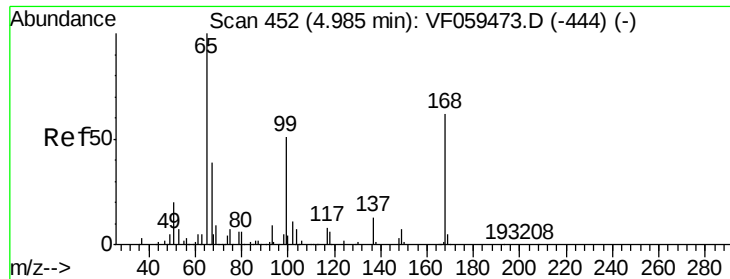
Delta R.T. 0.02 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Tgt Ion:	97	Resp:	102991
Ion	Ratio	Lower	Upper
97	100		
99	68.3	47.8	71.6
61	52.2	37.9	56.9





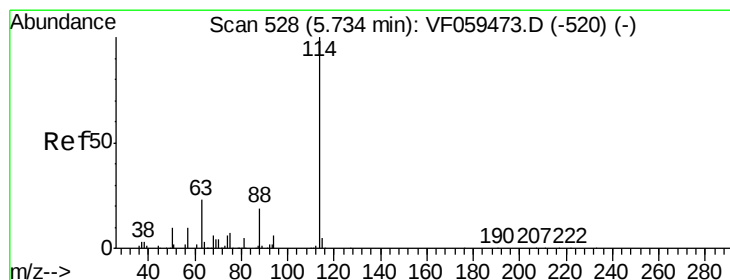
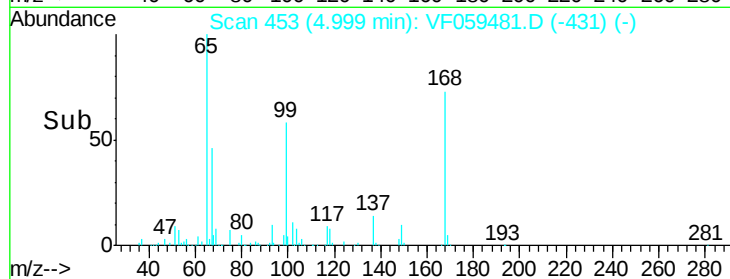
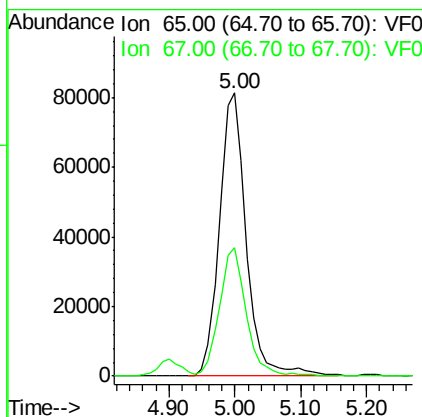
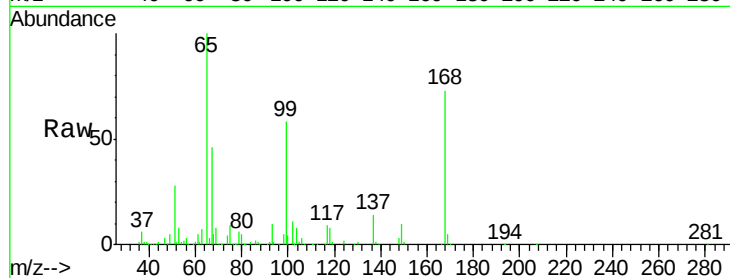
#33
 1,2-Dichloroethane-d4
 Concen: 49.19 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	231306		
67	45.6	0.0	88.6	

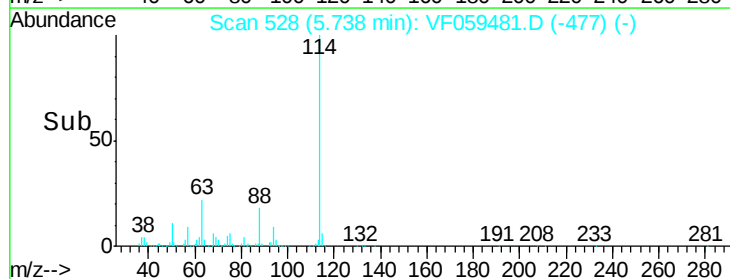
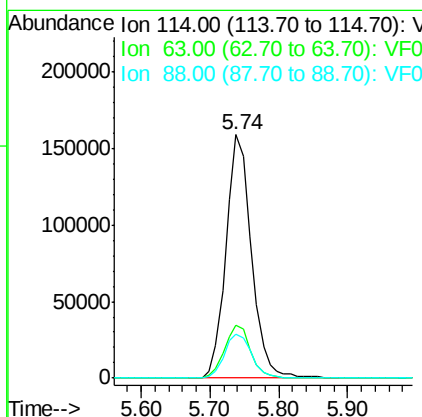
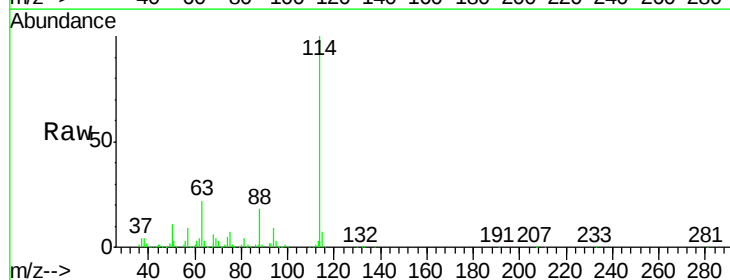
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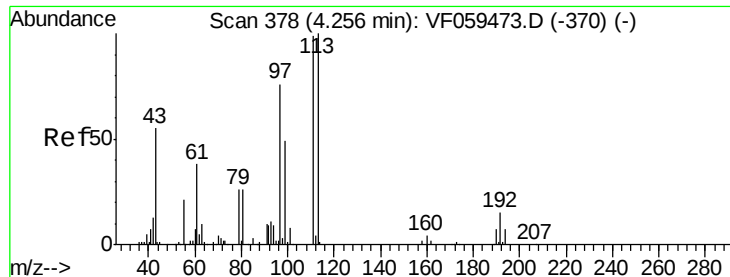
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.74 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	407376		
63	21.7	0.0	47.2	
88	18.2	0.0	38.0	





#35

Dibromofluoromethane

Concen: 47.54 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

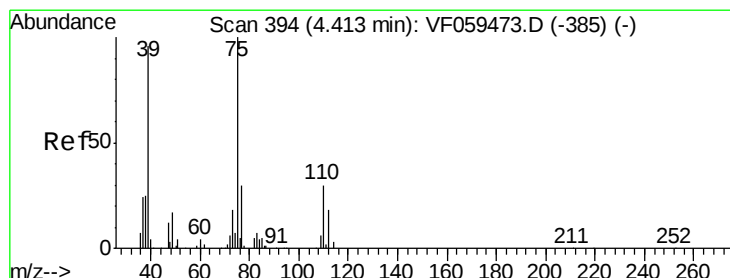
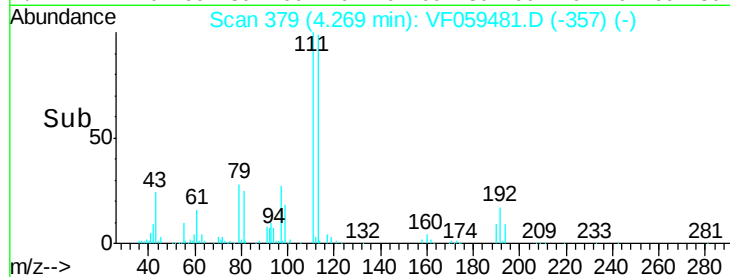
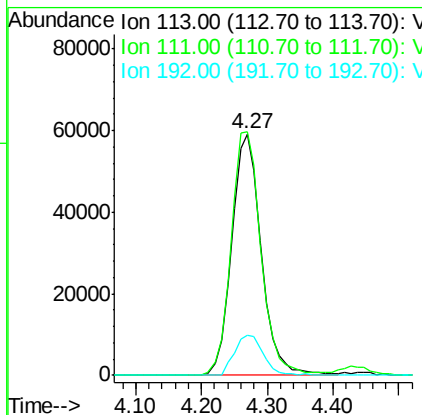
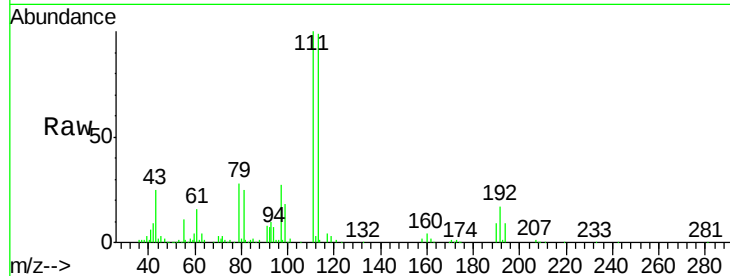
ClientSampleId :

VF0710SBS01

Tot Ion:	113	Resp:	185821
Ion Ratio	Lower	Upper	
113	100		
111	100.9	79.3	118.9
192	16.8	12.0	18.0

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#36

1,1-Dichloropropene

Concen: 20.61 ug/l

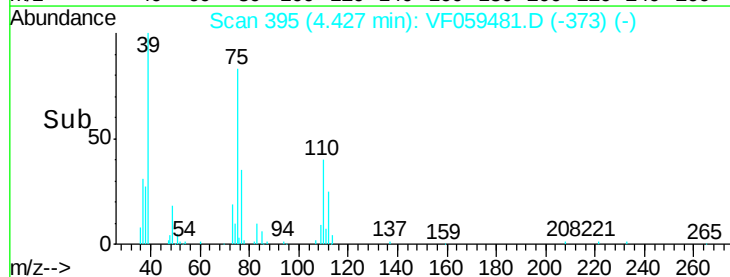
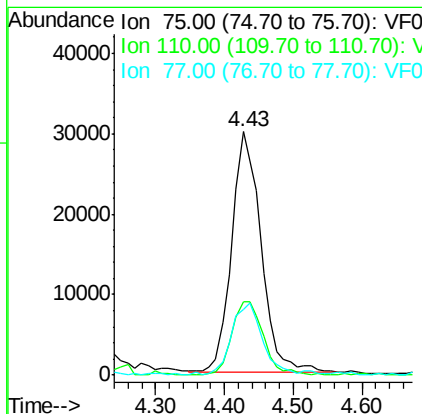
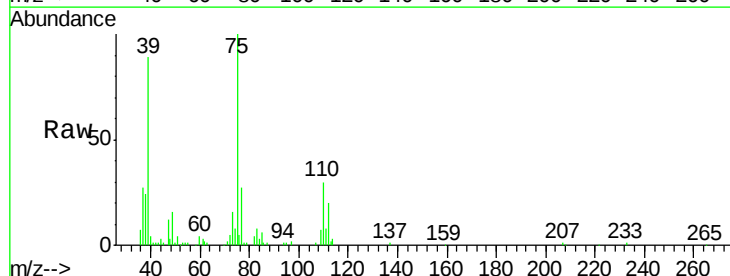
RT: 4.43 min Scan# 395

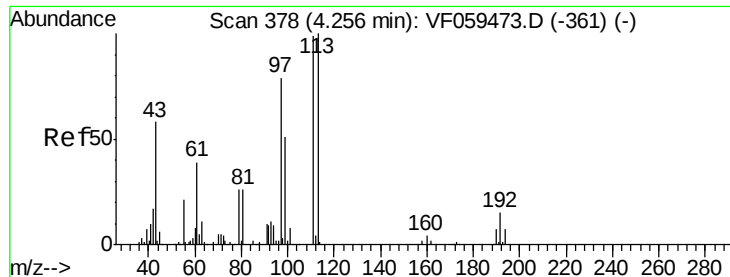
Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Tgt Ion:	75	Resp:	88679
Ion Ratio	Lower	Upper	
75	100		
110	29.9	15.2	45.5
77	27.2	24.2	36.2





#37

Ethyl Acetate

Concen: 24.16 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

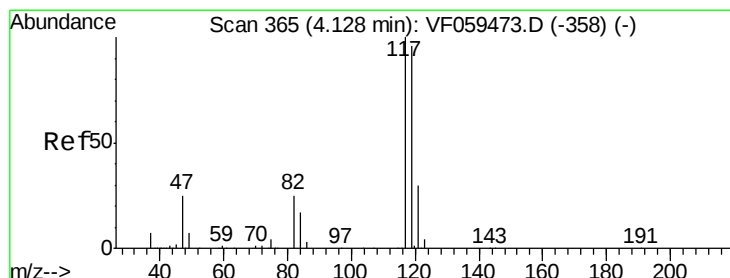
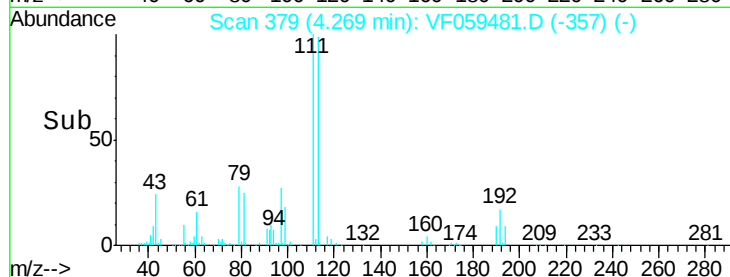
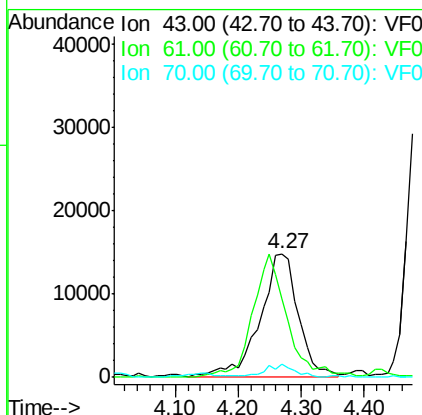
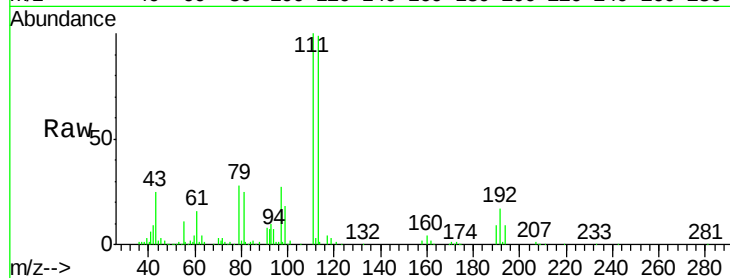
ClientSampleId :

VF0710SBS01

Tot Ion:	43	Resp:	61010
Ion	Ratio	Lower	Upper
43	100		
61	63.8	54.2	81.4
70	10.7	7.0	10.6#

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#38

Carbon Tetrachloride

Concen: 21.05 ug/l

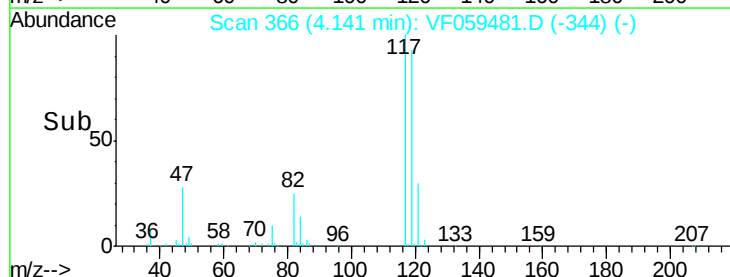
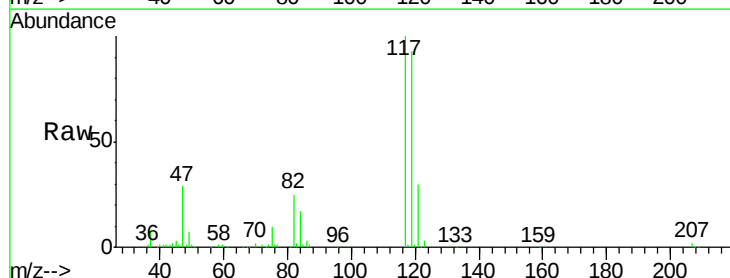
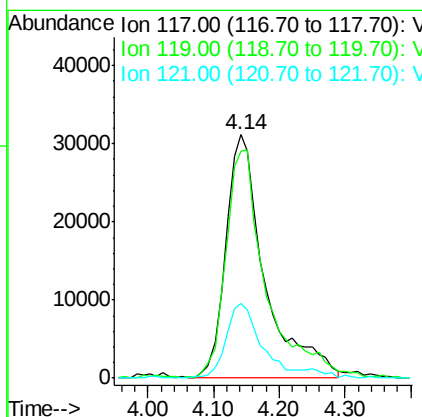
RT: 4.14 min Scan# 366

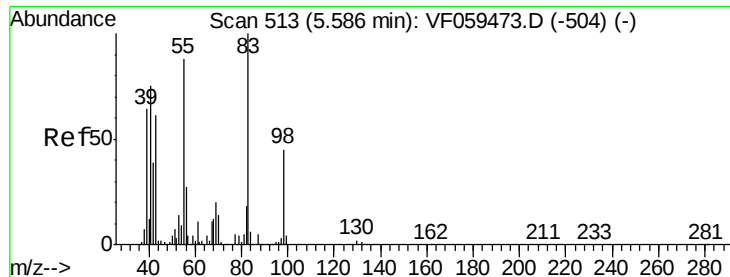
Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Tgt Ion:	117	Resp:	129412
Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.5	114.7
121	30.5	23.6	35.4





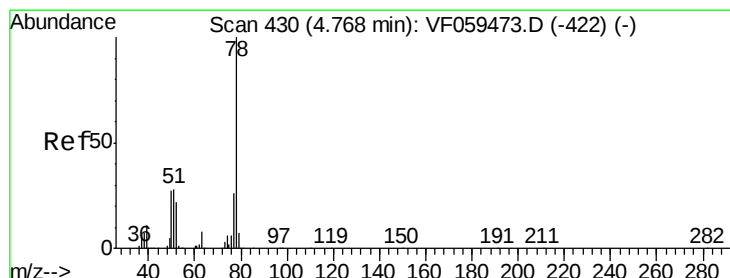
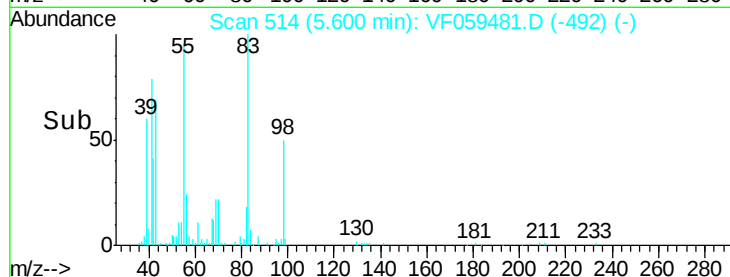
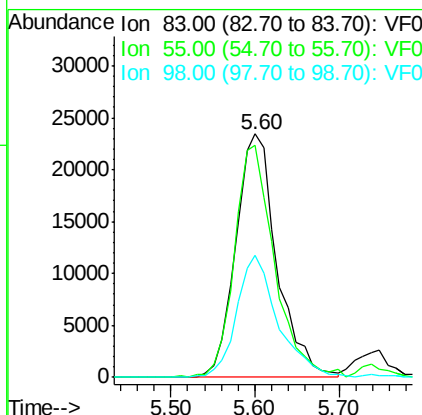
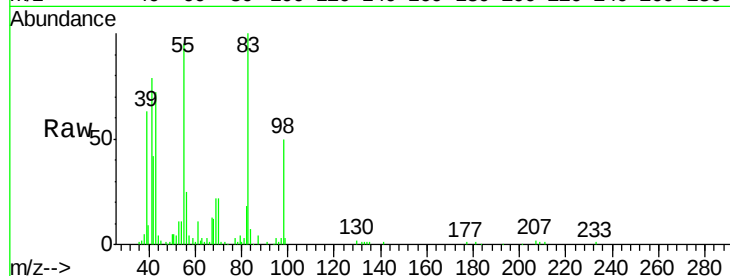
#39
Methvlcvclohexane
Concen: 22.12 ug/l
RT: 5.60 min Scan# 514
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.4	70.6	105.8
98	50.0	36.3	54.5

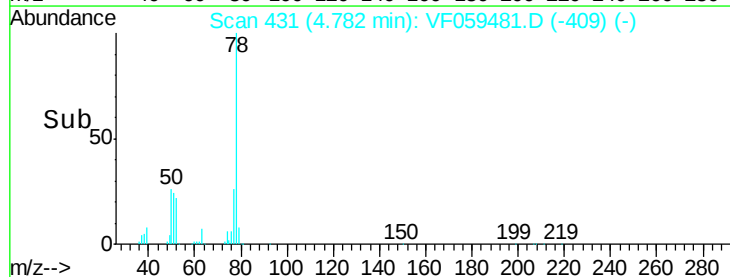
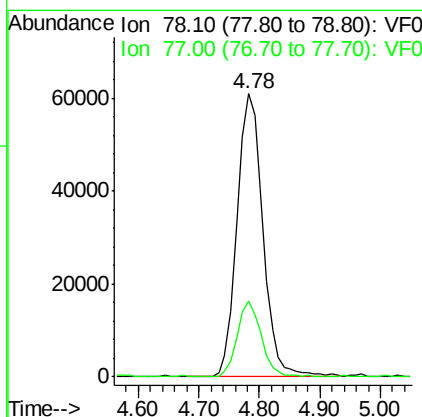
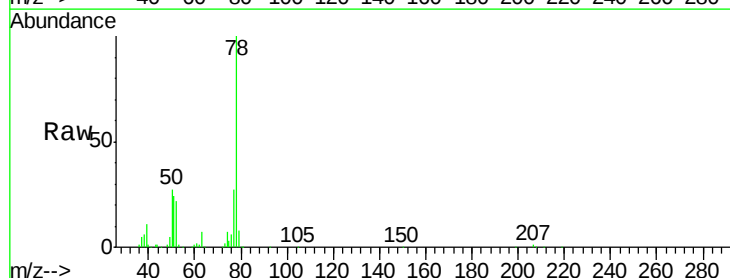
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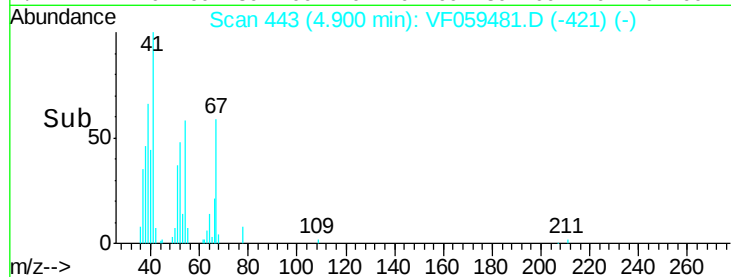
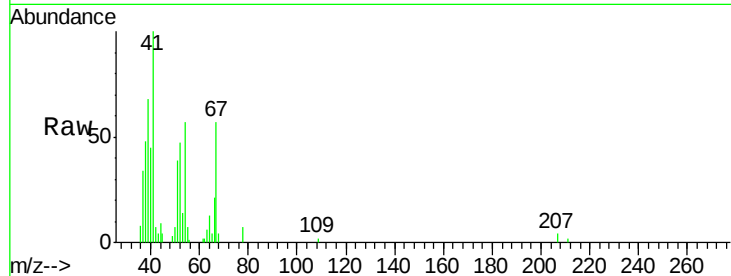
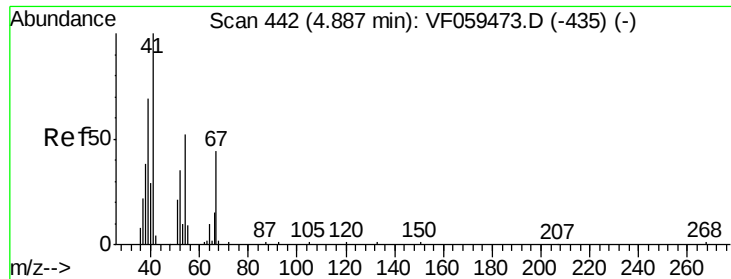
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#40
Benzene
Concen: 21.54 ug/l
RT: 4.78 min Scan# 431
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.7	20.8	31.2





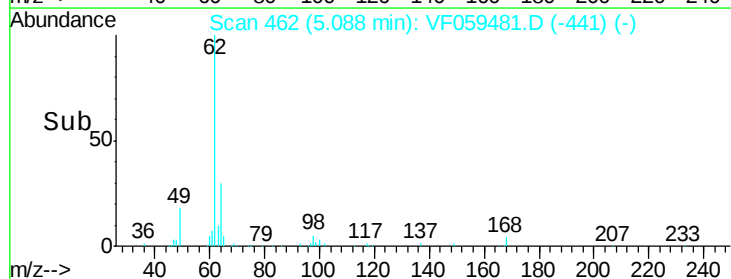
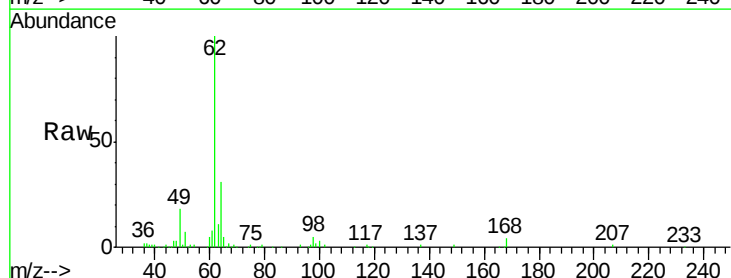
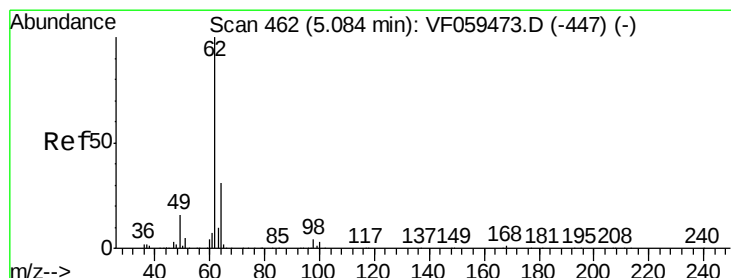
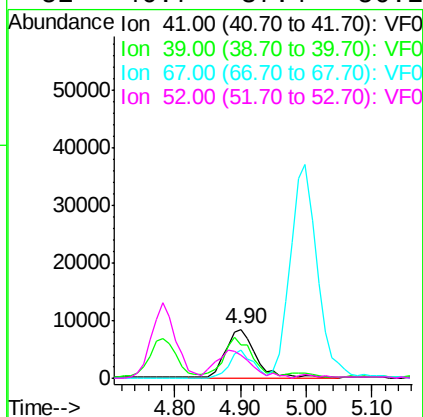
#41
Methacrylonitrile
Concen: 22.86 ug/l
RT: 4.90 min Scan# 443
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.9	61.7	92.5
67	57.2	35.4	53.2
52	46.7	37.4	56.2

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

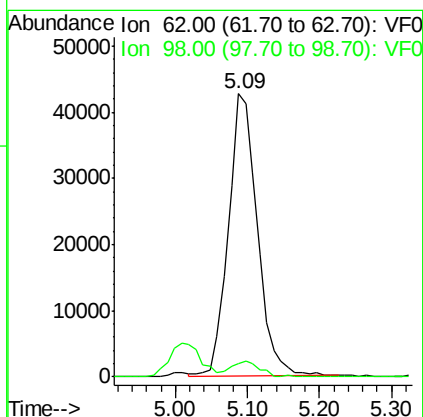
Manual Integrations
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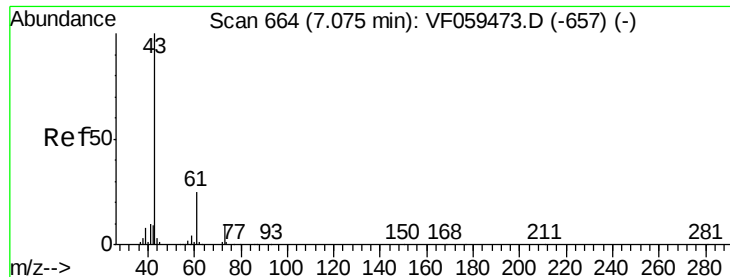
apatel
7/11/2018 11:33:33 AM



#42
1,2-Dichloroethane
Concen: 19.62 ug/l
RT: 5.09 min Scan# 462
Delta R.T. 0.00 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	7.6





#43

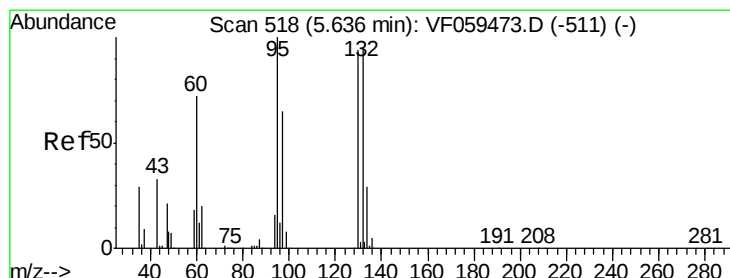
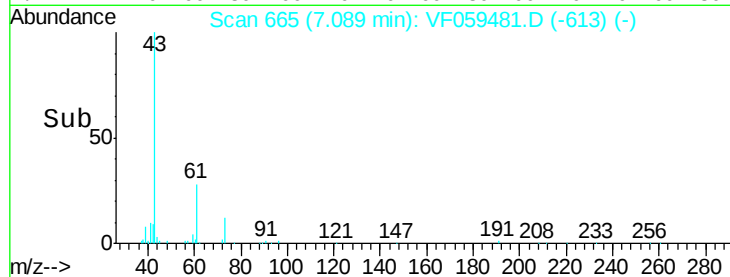
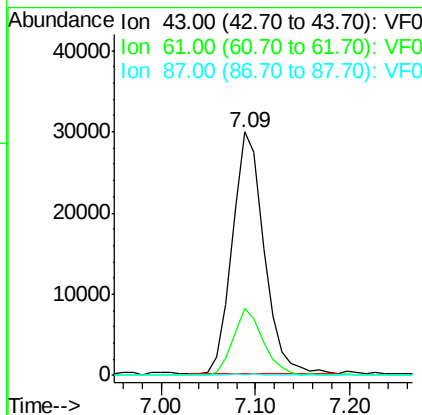
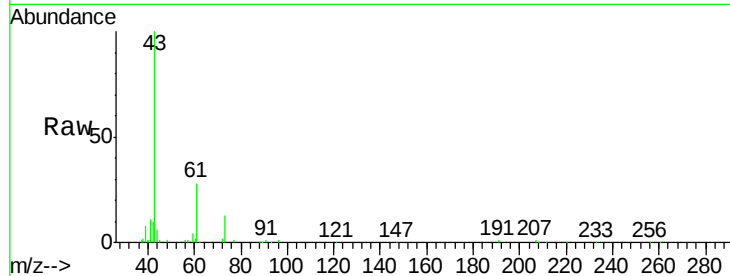
Isopropyl Acetate
 Concen: 24.05 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.3	30.5
87	0.0	0.3	0.5

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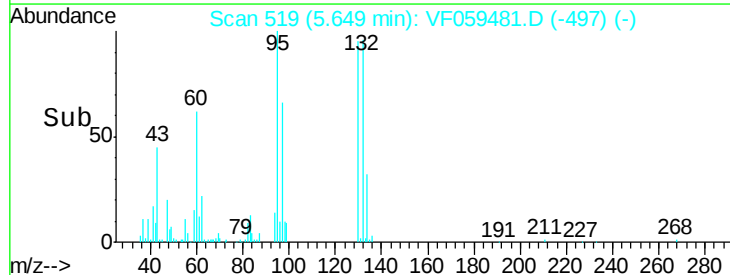
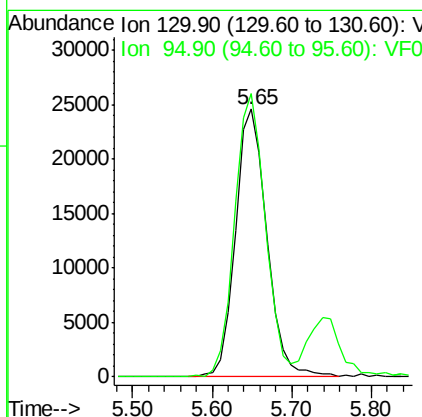
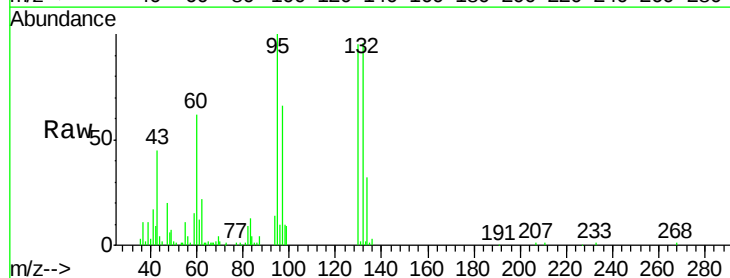
apatel
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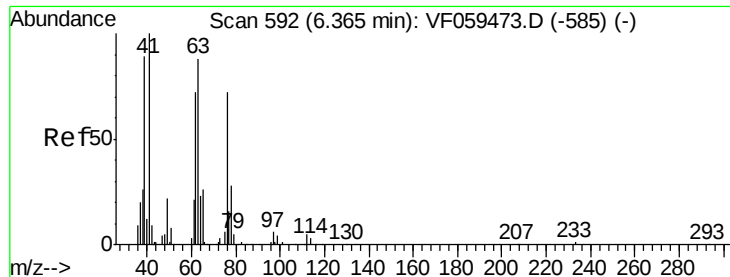


#44

Trichloroethene
 Concen: 21.56 ug/l
 RT: 5.65 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	214.6





#45

1,2-Dichloropropane

Concen: 20.51 ug/l

RT: 6.38 min Scan# 593

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion: 63 Resp: 49652

Ion Ratio Lower Upper

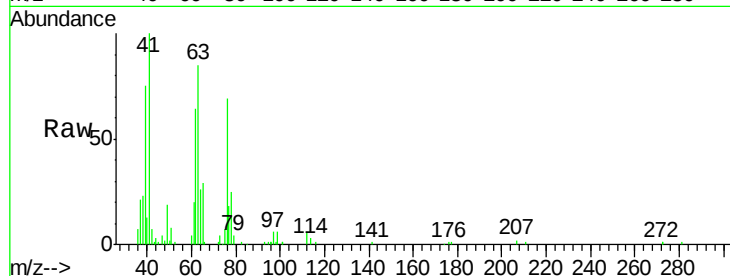
63 100

65 34.4 23.5 35.3

Manual Integrations
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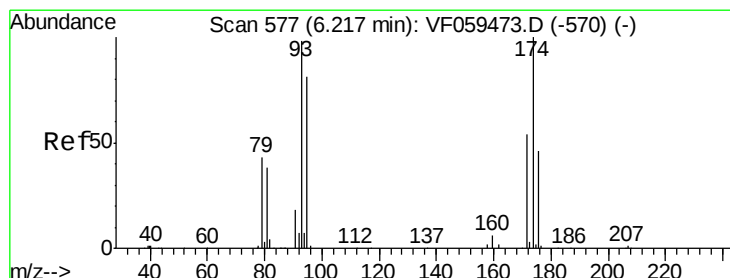
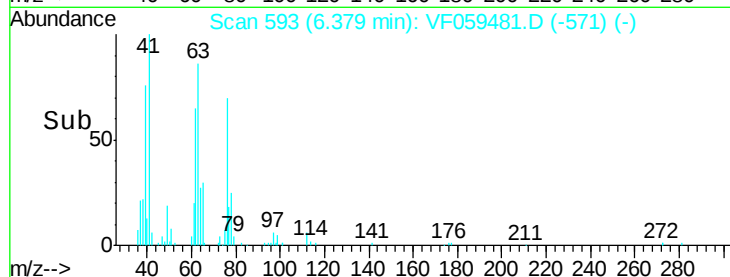
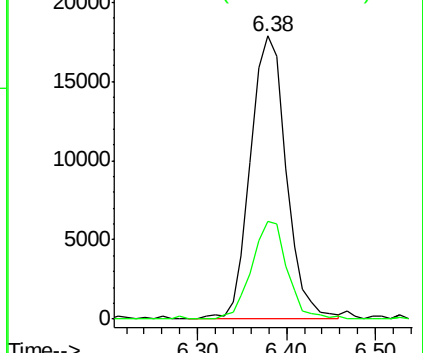
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.74 ug/l

RT: 6.23 min Scan# 578

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

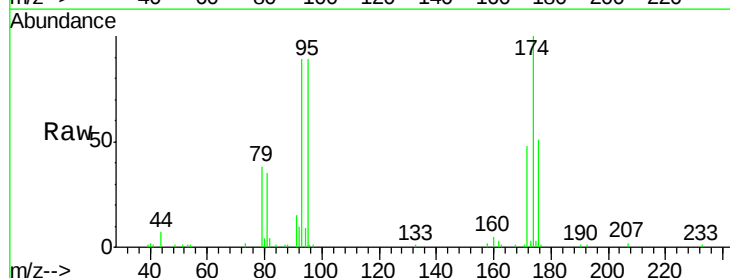
Tgt Ion: 93 Resp: 46020

Ion Ratio Lower Upper

93 100

95 99.8 65.9 98.9#

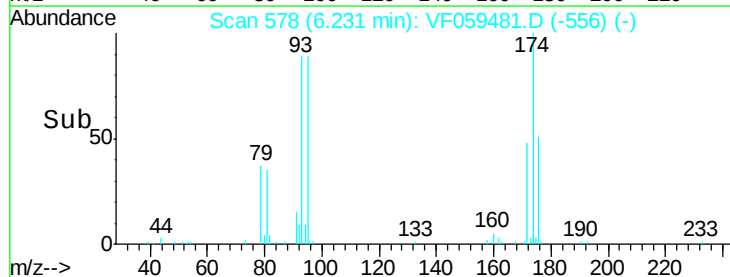
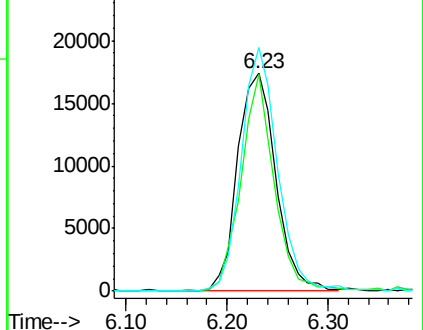
174 111.8 83.2 124.8

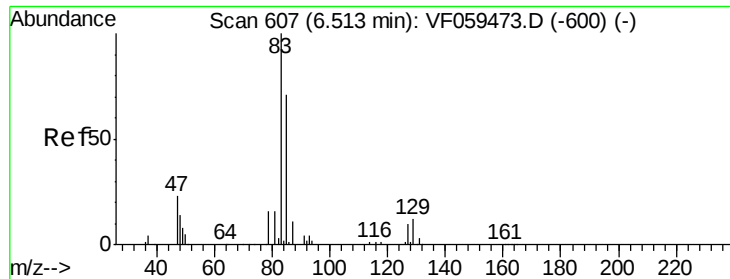


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.26 ug/l

RT: 6.53 min Scan# 608

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

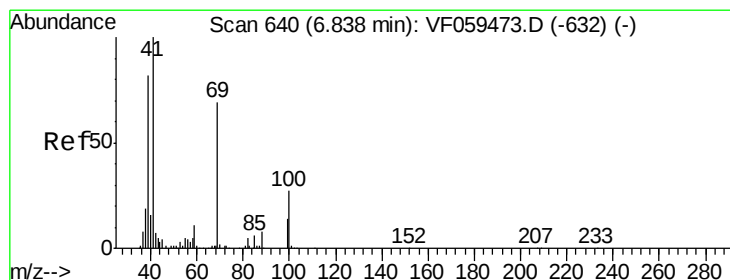
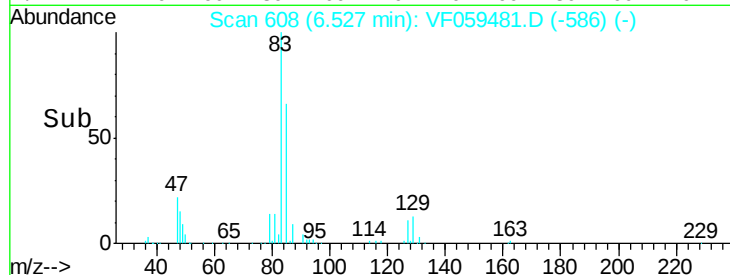
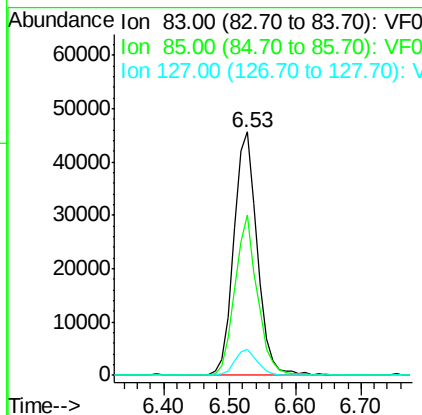
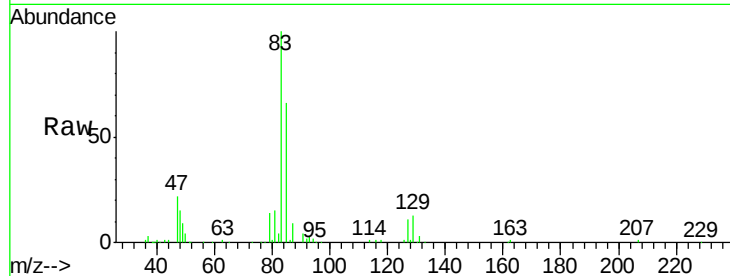
ClientSampleId :

VF0710SBS01

Tot Ion:	83	Resp:	114422
Ion Ratio	Lower	Upper	
83	100		
85	66.1	56.6	84.8
127	10.8	8.1	12.1

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#48

Methyl methacrylate

Concen: 22.77 ug/l

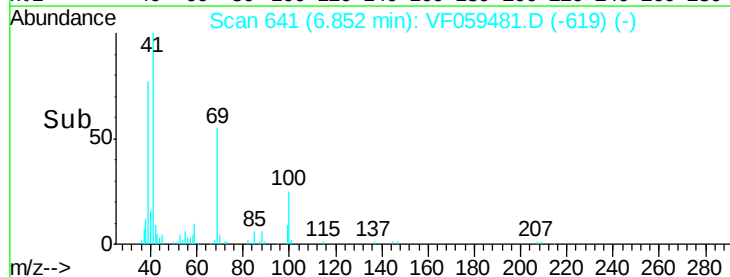
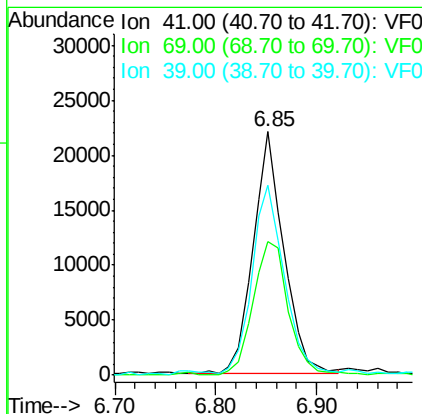
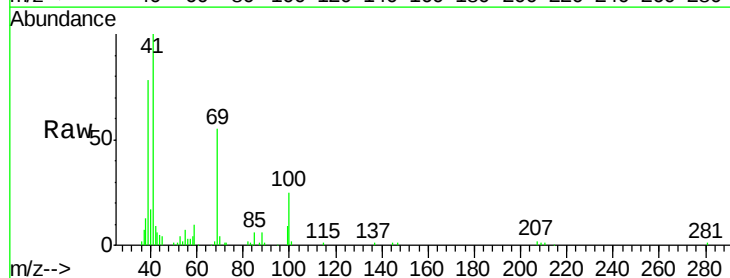
RT: 6.85 min Scan# 641

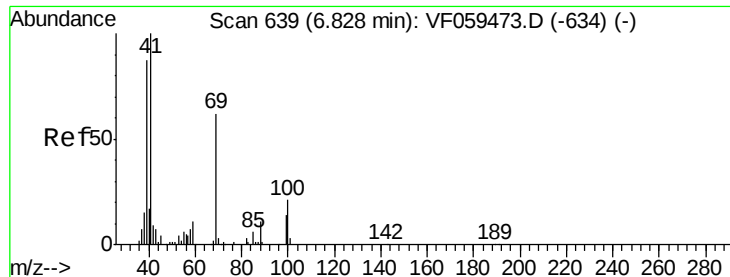
Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Tgt Ion:	41	Resp:	46957
Ion Ratio	Lower	Upper	
41	100		
69	54.8	55.6	83.4#
39	77.7	66.0	99.0





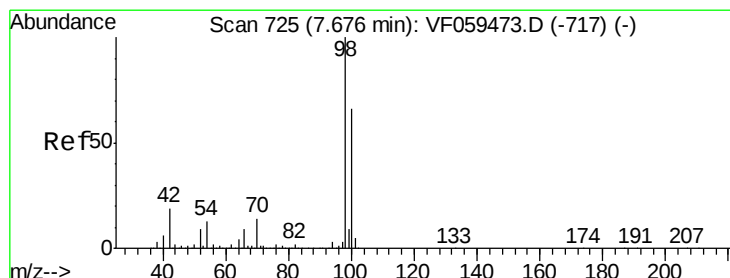
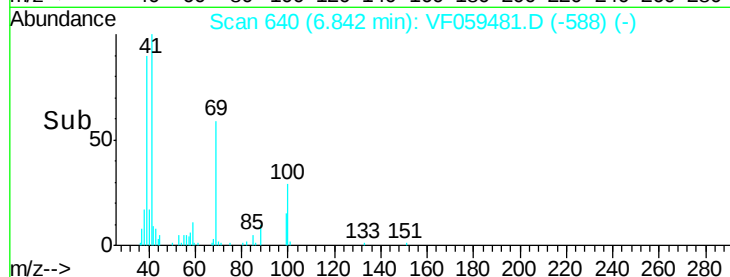
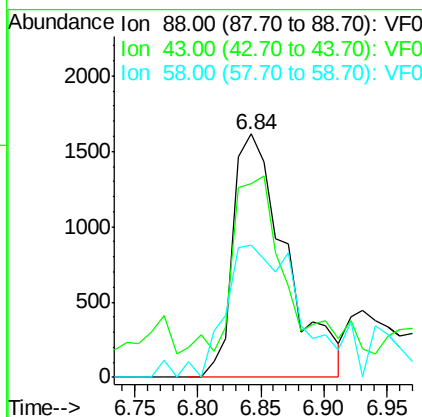
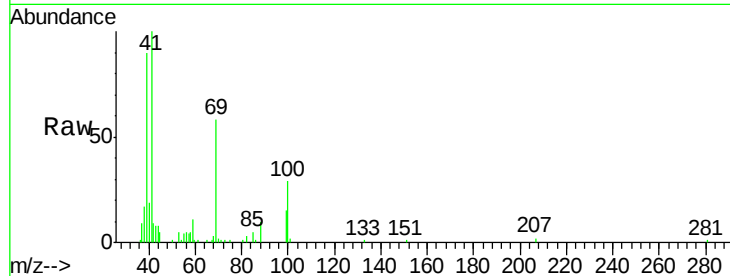
#49
1,4-Dioxane
Concen: 500.77 ug/l
RT: 6.84 min Scan# 640
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	88	Resp	4688
Ion	Ratio	Lower	Upper
88	100		
43	79.5	57.3	85.9
58	54.5	54.6	81.8#

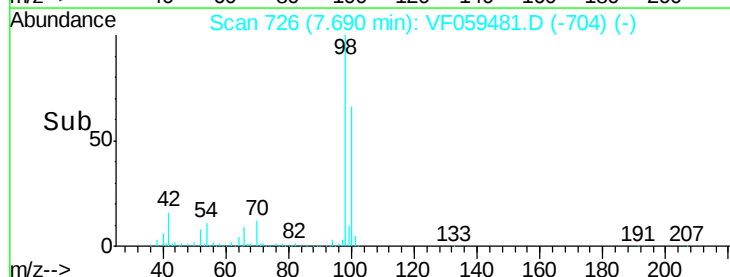
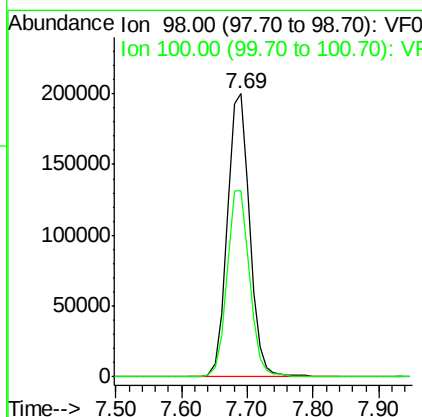
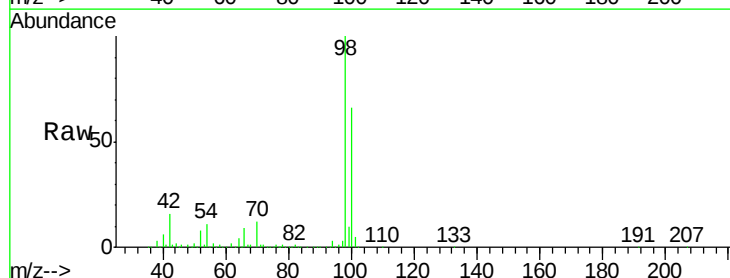
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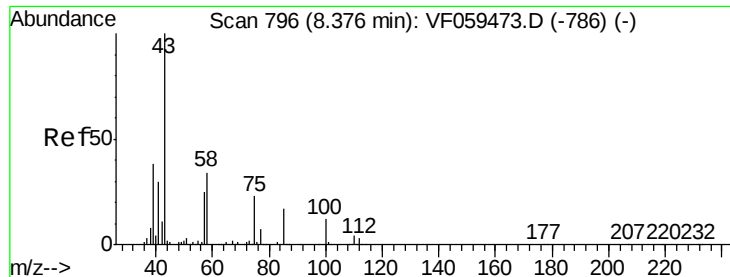
apatel
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#50
Toluene-d8
Concen: 51.96 ug/l
RT: 7.69 min Scan# 726
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	98	Resp	477774
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 117.91 ug/l

RT: 8.38 min Scan# 796

Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion: 43 Resp: 253955

Ion Ratio Lower Upper

43 100

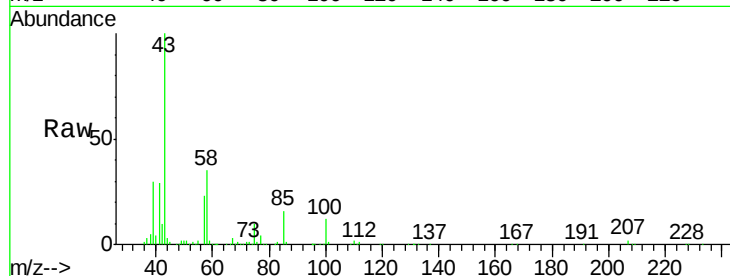
58 34.8 27.4 41.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.38

100000

80000

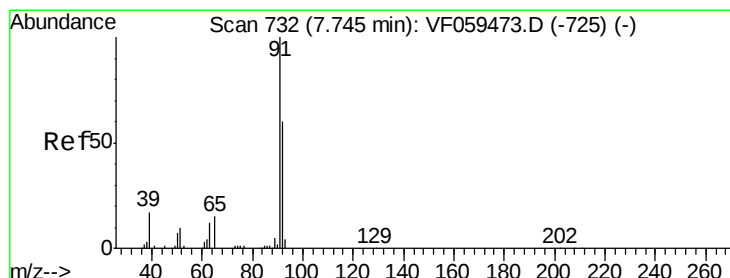
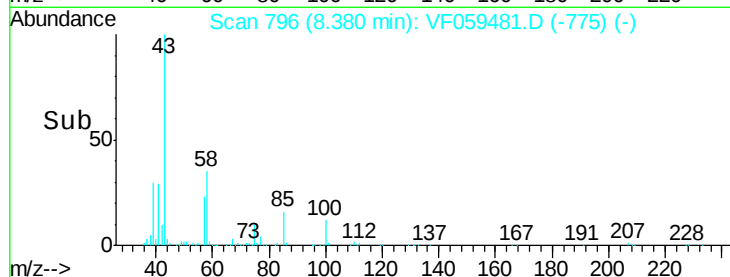
60000

40000

20000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 20.92 ug/l

RT: 7.76 min Scan# 733

Delta R.T. 0.01 min

Lab File: VF059481.D

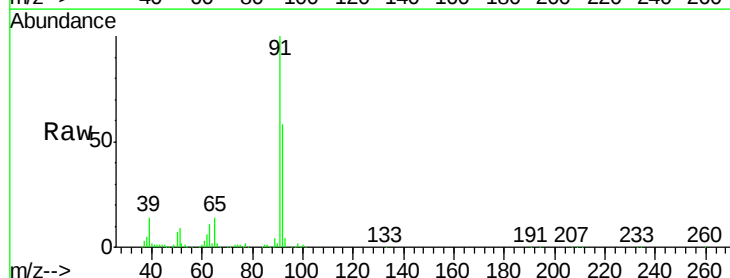
Acq: 10 Jul 2018 13:47

Tgt Ion: 92 Resp: 131725

Ion Ratio Lower Upper

92 100

91 171.1 134.3 201.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

100000

80000

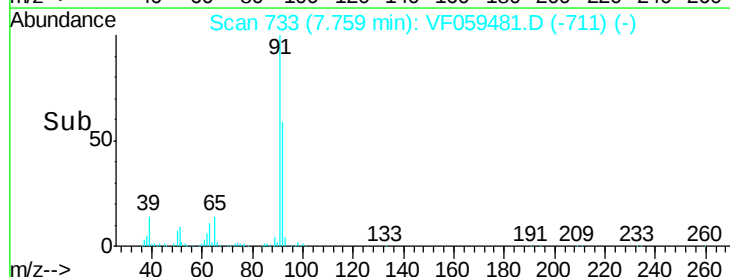
60000

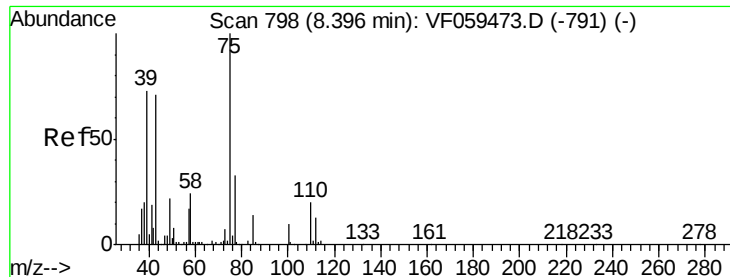
40000

20000

0

Time--> 7.60 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 20.57 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Tot Ion: 75 Resp: 100582

Ion Ratio Lower Upper

75 100

77 31.5 26.4 39.6

Instrument :

MSVOA_F

ClientSampleId :

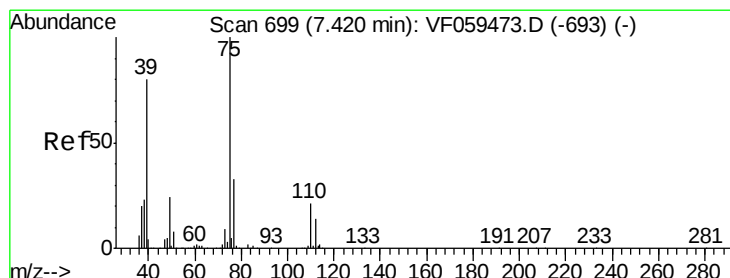
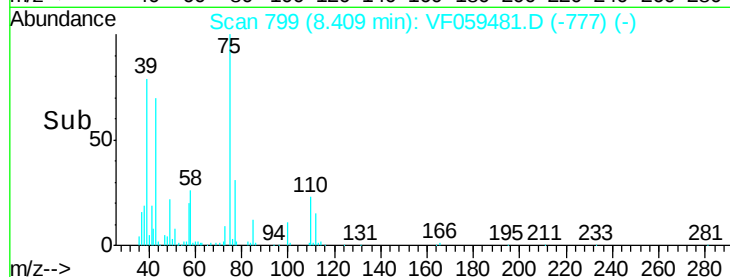
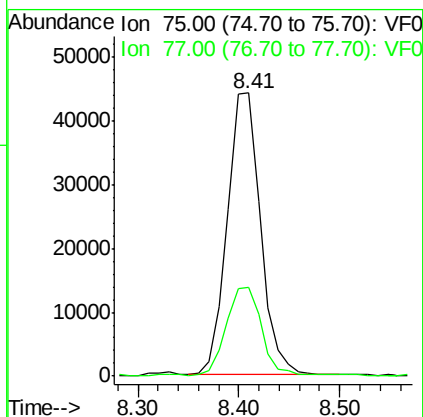
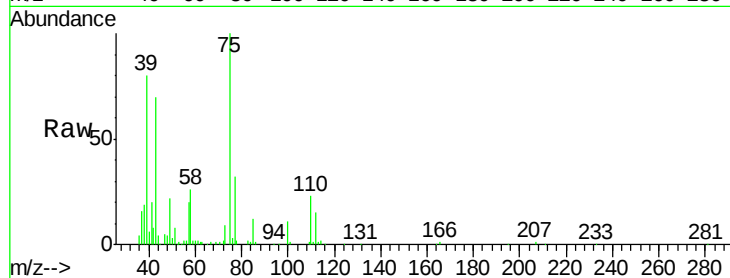
VF0710SBS01

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#54

cis-1,3-Dichloropropene

Concen: 22.34 ug/l

RT: 7.43 min Scan# 700

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

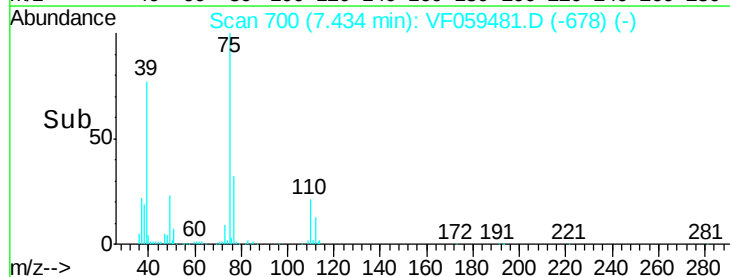
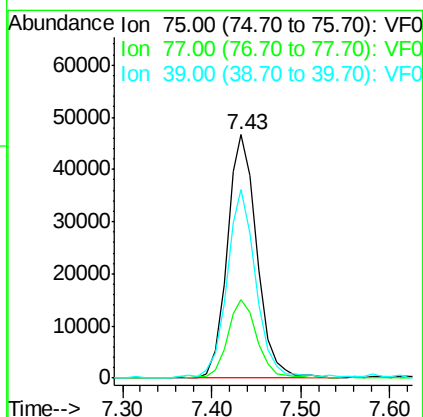
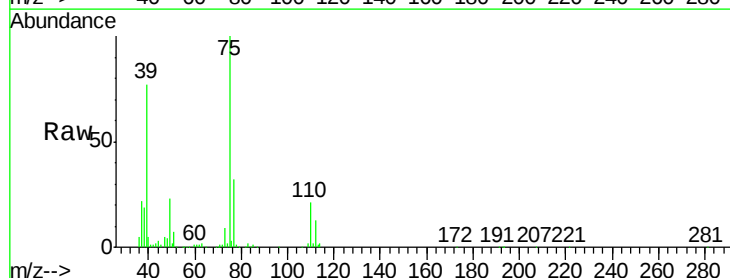
Tgt Ion: 75 Resp: 109043

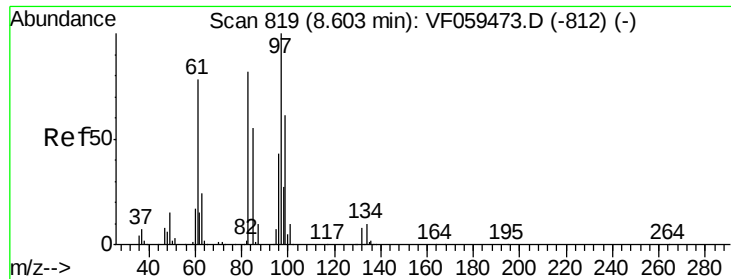
Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.4

39 77.3 64.5 96.7





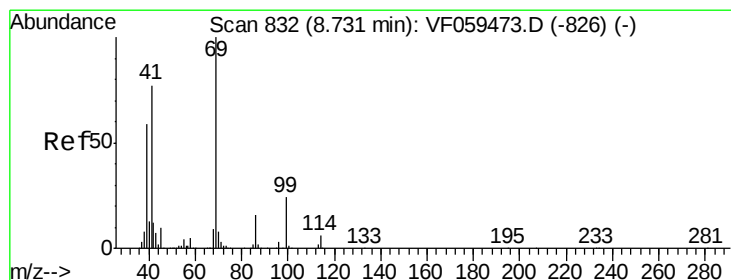
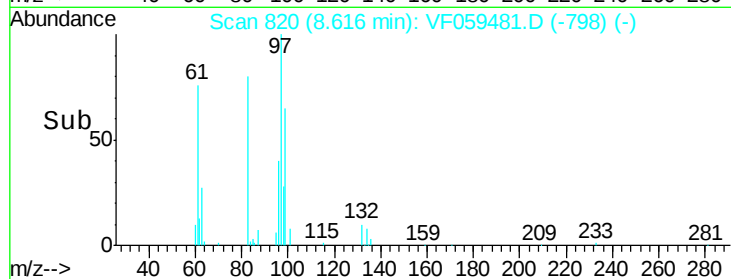
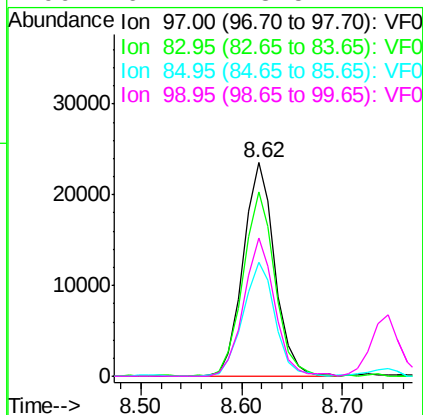
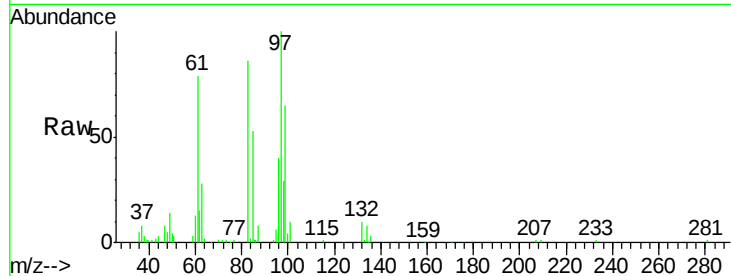
#55
 1,1,2-Trichloroethane
 Concen: 20.89 ug/l
 RT: 8.62 min Scan# 820
 Delta R.T. 0.01 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

Tot Ion:	97	Resp:	51323
Ion	Ratio	Lower	Upper
97	100		
83	86.1	65.7	98.5
85	53.2	43.8	65.6
99	64.7	48.5	72.7

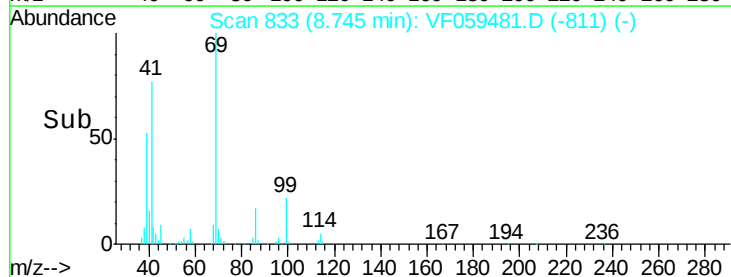
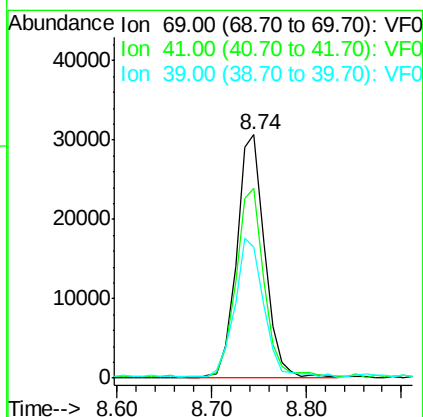
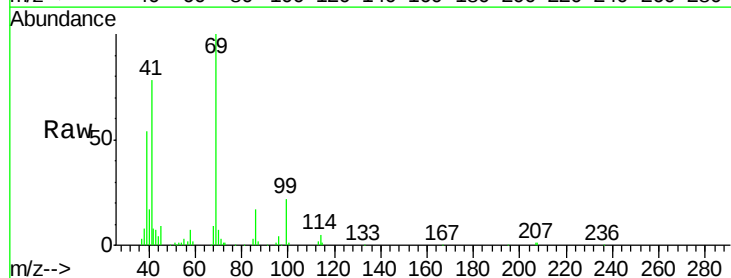
Manual Integrations
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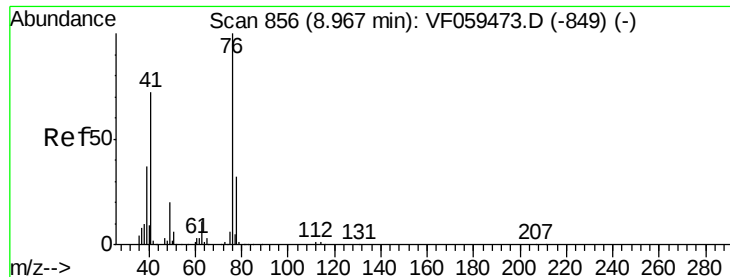
apatel
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#56
 Ethyl methacrylate
 Concen: 22.66 ug/l
 RT: 8.74 min Scan# 833
 Delta R.T. 0.01 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Tgt Ion:	69	Resp:	62992
Ion	Ratio	Lower	Upper
69	100		
41	78.0	62.2	93.4
39	53.9	47.7	71.5





#57

1,3-Dichloropropane

Concen: 20.93 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion: 76 Resp: 87826

Ion Ratio Lower Upper

76 100

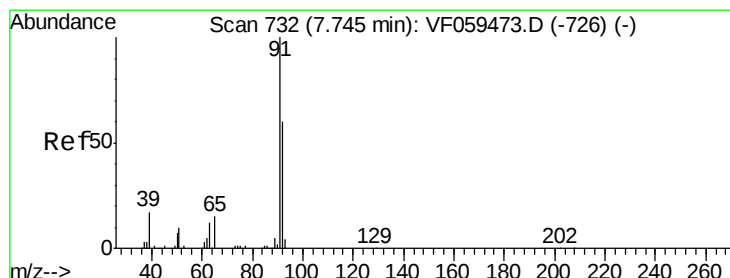
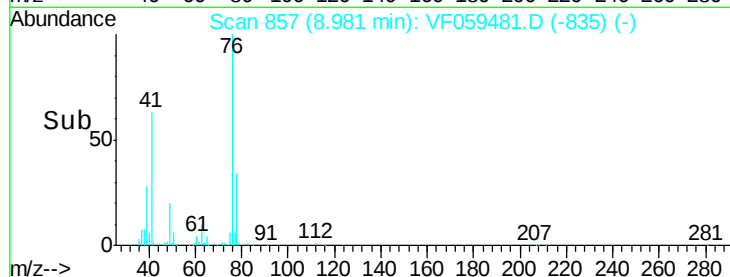
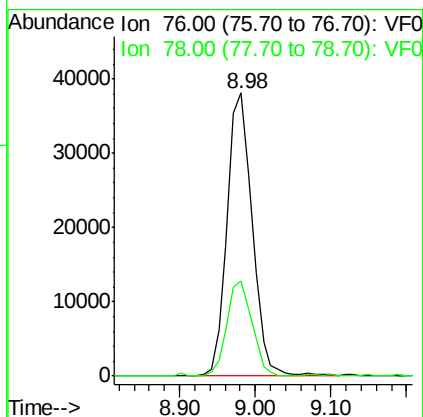
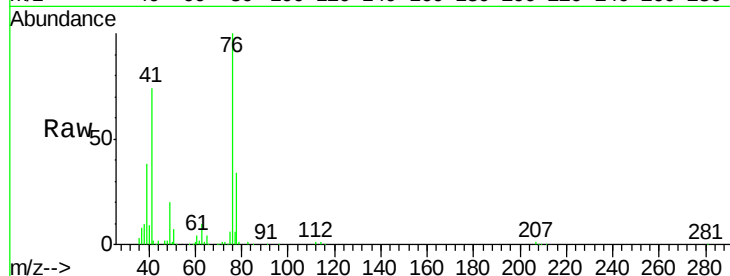
78 33.8 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 95.77 ug/l

RT: 7.76 min Scan# 733

Delta R.T. 0.01 min

Lab File: VF059481.D

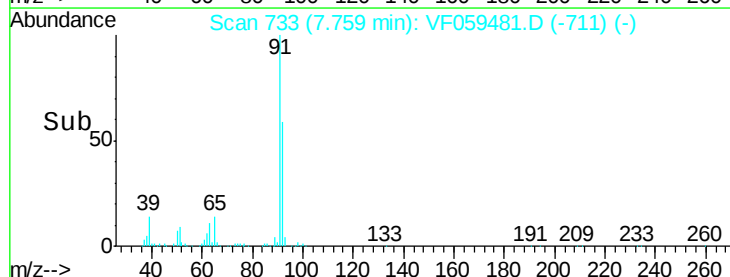
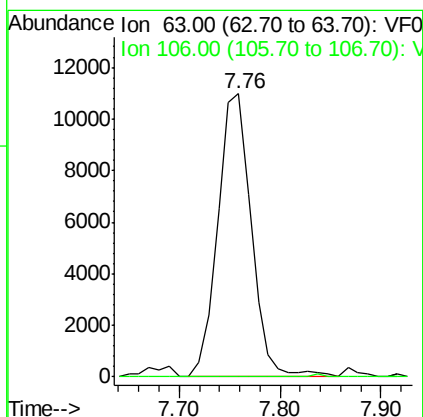
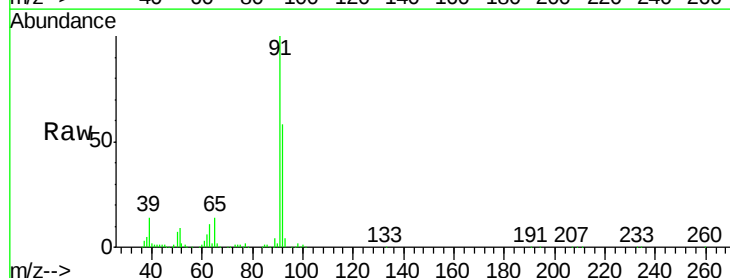
Acq: 10 Jul 2018 13:47

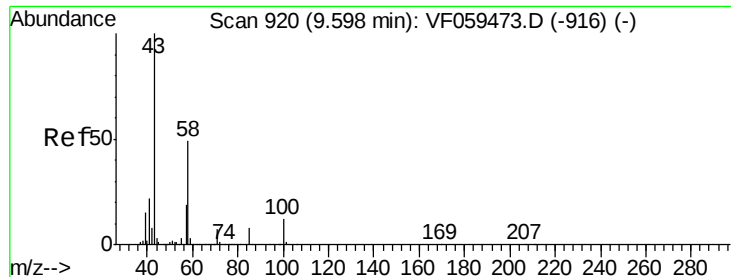
Tgt Ion: 63 Resp: 25491

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





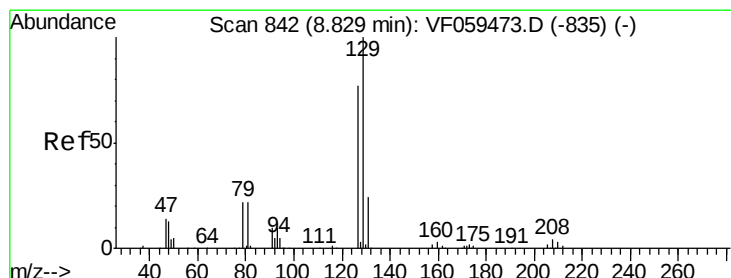
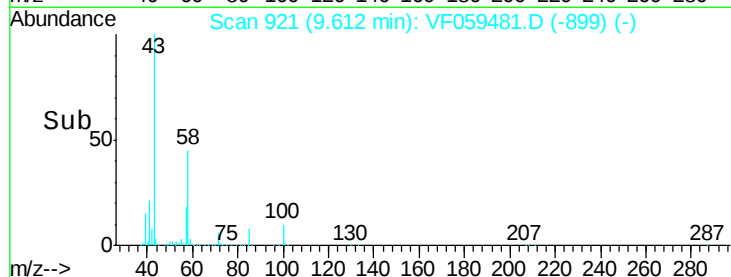
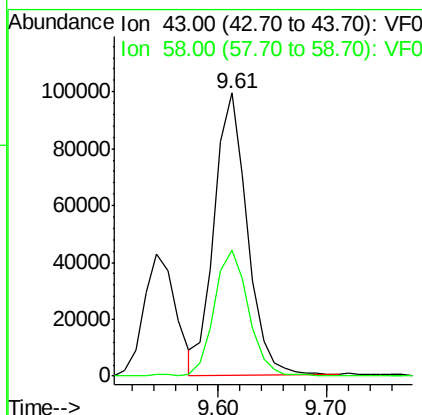
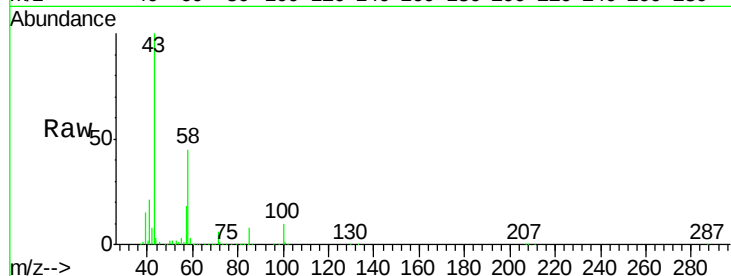
#59
2-Hexanone
Concen: 131.07 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion: 43 Resp: 209822
Ion Ratio Lower Upper
43 100
58 44.7 22.4 67.2

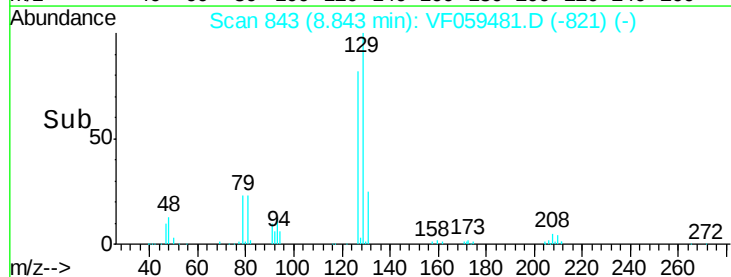
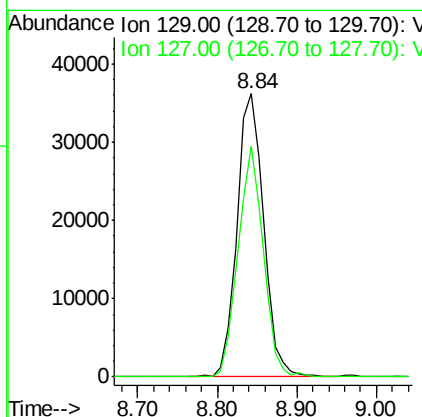
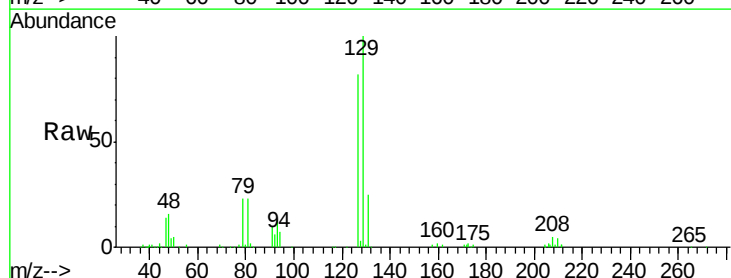
Manual Integrations
APPROVED

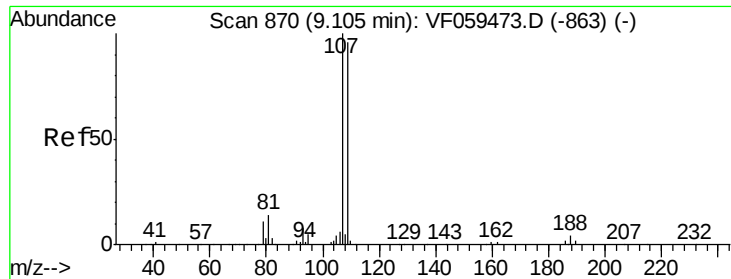
apatel
7/11/2018 11:33:33 AM



#60
Dibromochloromethane
Concen: 20.53 ug/l
RT: 8.84 min Scan# 843
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion: 129 Resp: 84057
Ion Ratio Lower Upper
129 100
127 81.6 38.8 116.3





#61

1,2-Dibromoethane

Concen: 20.93 ug/l

RT: 9.11 min Scan# 870

Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion:107 Resp: 63171

Ion Ratio Lower Upper

107 100

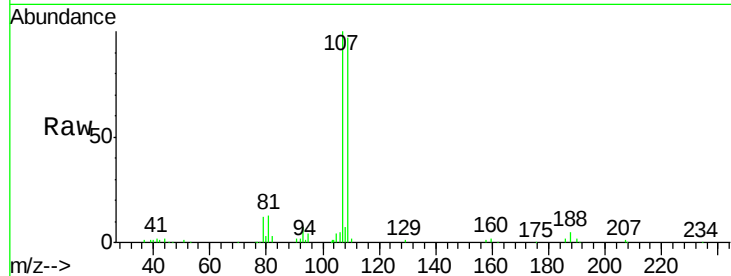
109 96.7 76.7 115.1

Manual Integrations

APPROVED

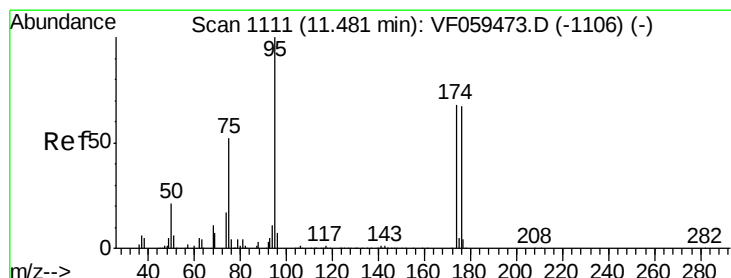
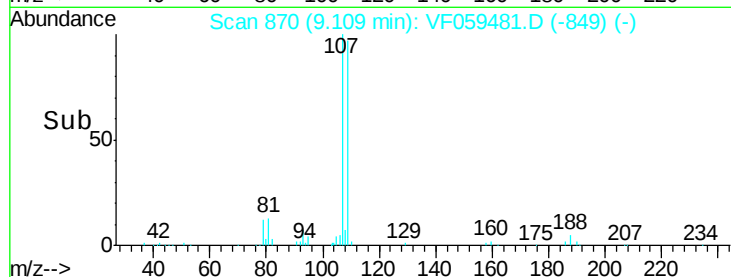
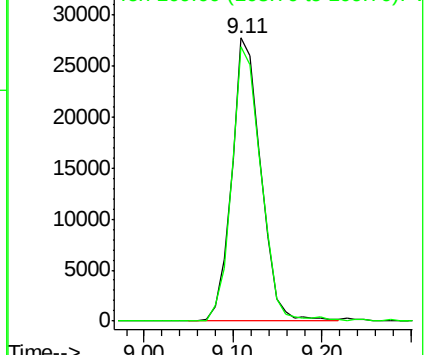
apatel

7/11/2018 11:33:33 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.29 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

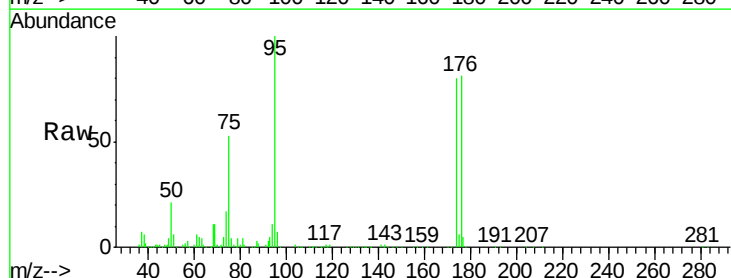
Tgt Ion: 95 Resp: 242592

Ion Ratio Lower Upper

95 100

174 80.3 0.0 137.0

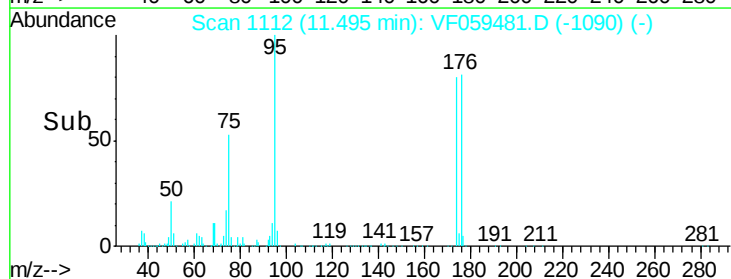
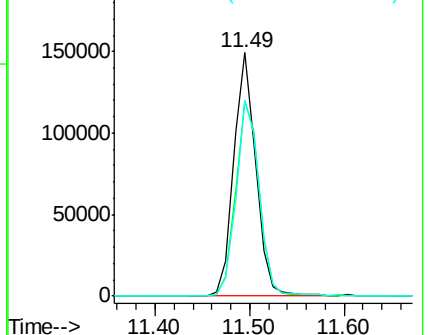
176 80.9 0.0 133.8

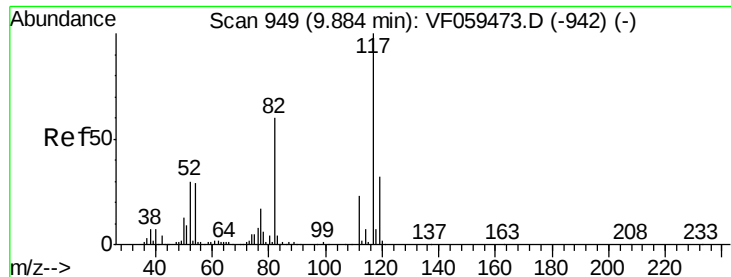


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





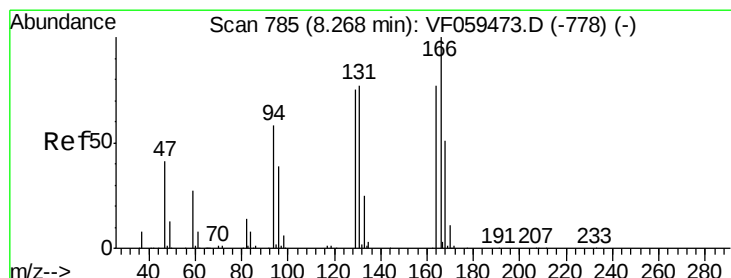
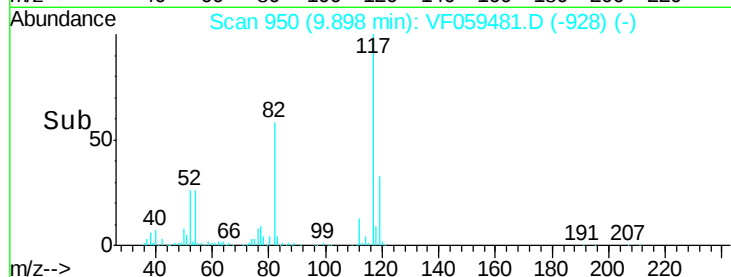
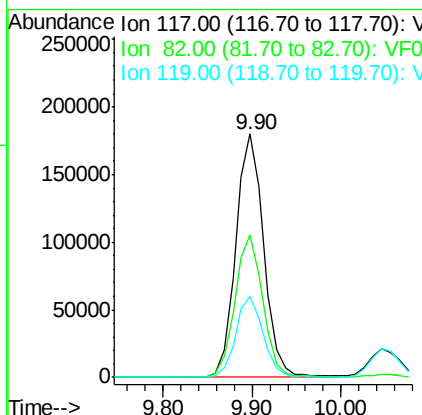
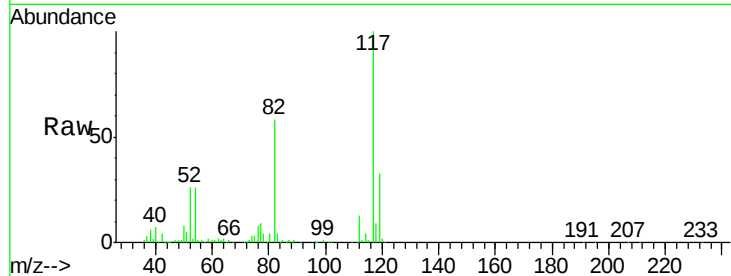
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	392496		
82	58.3		48.2	72.4
119	33.3		25.7	38.5

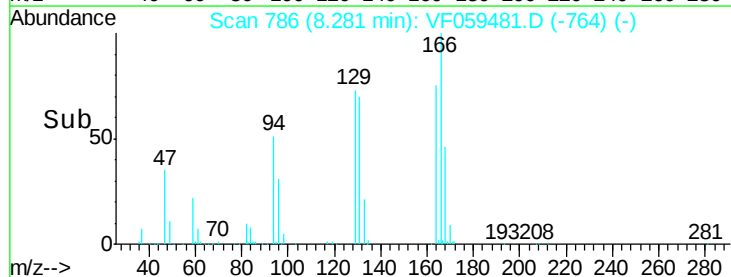
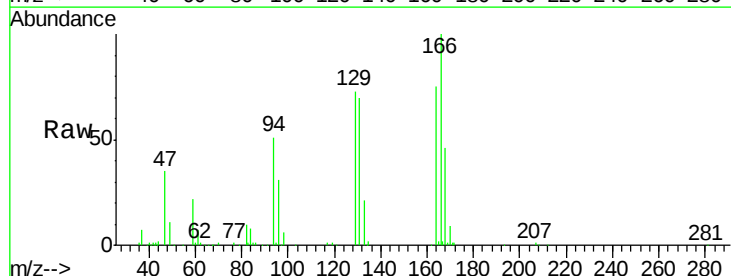
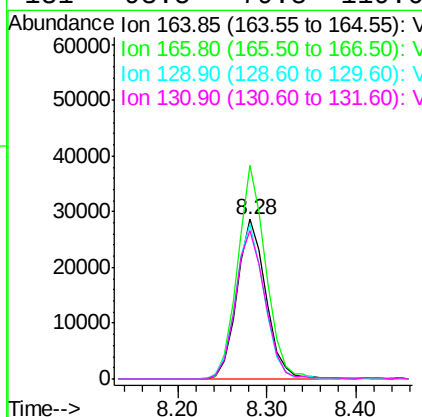
Manual Integrations
APPROVED

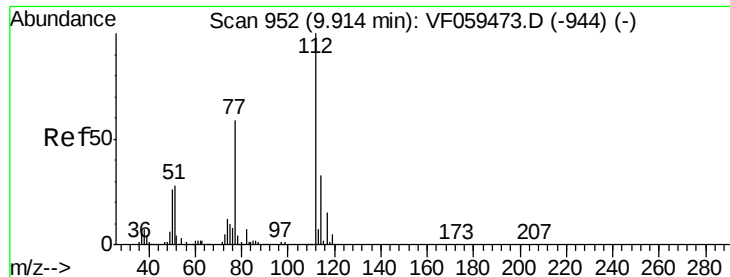
apatel
7/11/2018 11:33:33 AM



#64
Tetrachloroethene
Concen: 19.66 ug/l
RT: 8.28 min Scan# 786
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	64646		
166	133.9		103.5	155.3
129	97.2		77.6	116.4
131	93.5		79.8	119.6





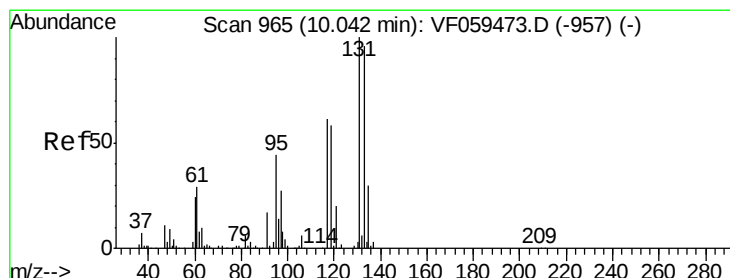
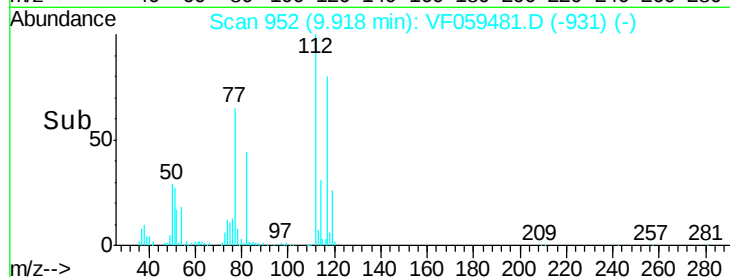
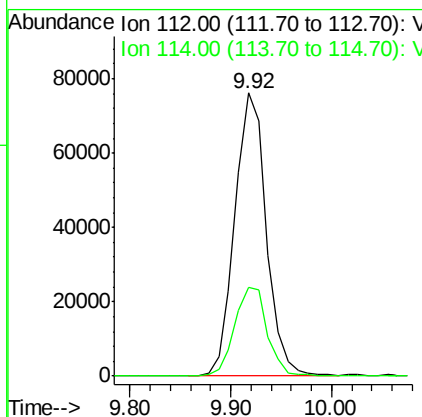
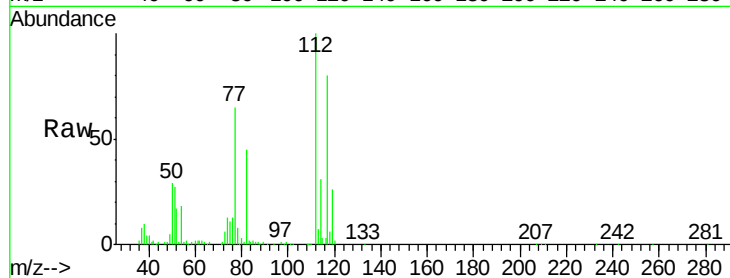
#65
Chlorobenzene
Concen: 21.73 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.2	39.2

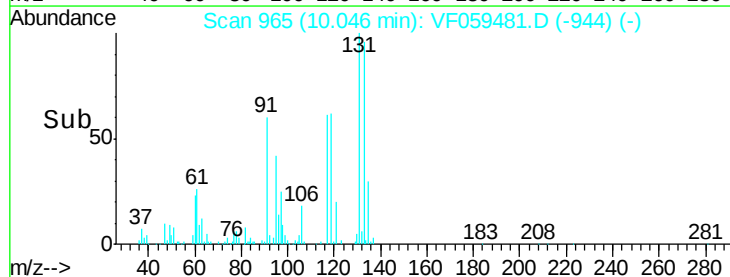
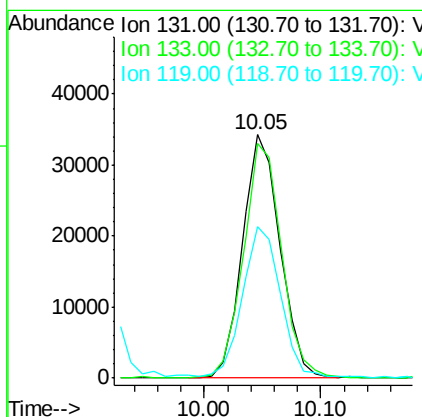
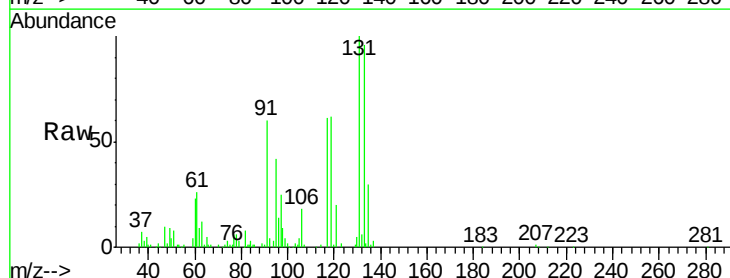
Manual Integrations
APPROVED

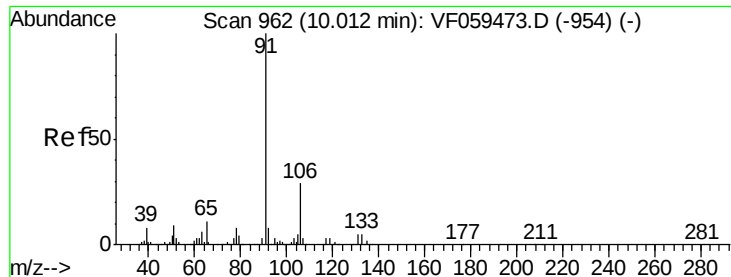
apatel
7/11/2018 11:33:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.63 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.1	144.3
119	62.3	29.3	87.8





#67

Ethyl Benzene

Concen: 22.22 ug/l

RT: 10.02 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion: 91 Resp: 295470

Ion Ratio Lower Upper

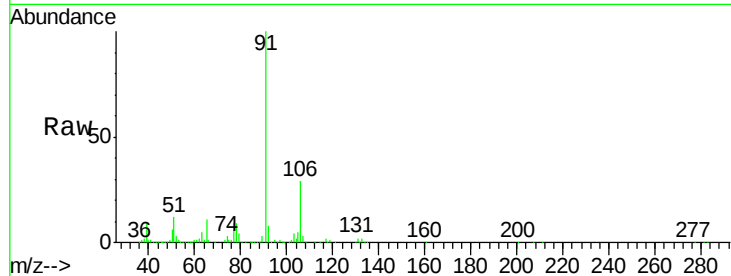
91 100

106 28.7 23.0 34.6

Manual Integrations
APPROVED

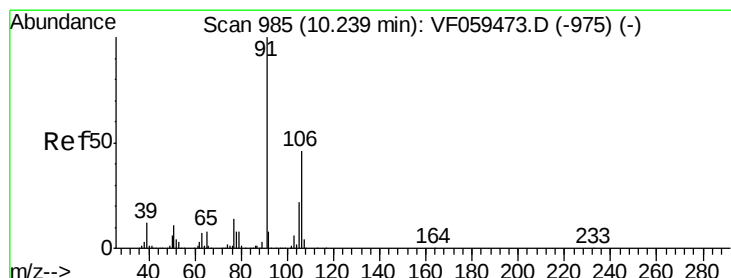
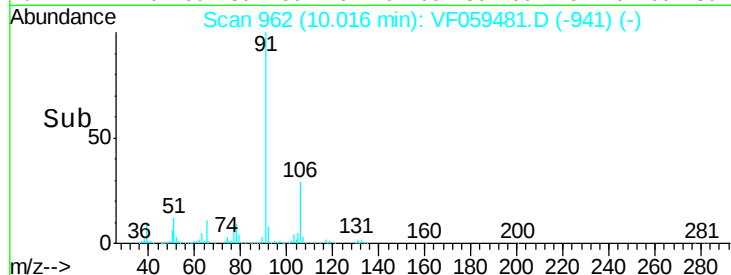
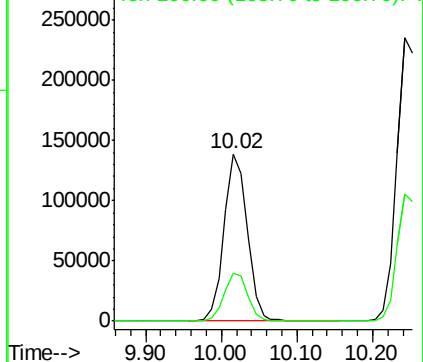
apatel

7/11/2018 11:33:33 AM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 47.59 ug/l

RT: 10.24 min Scan# 985

Delta R.T. 0.00 min

Lab File: VF059481.D

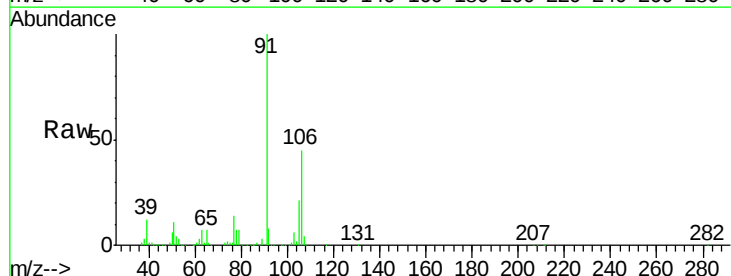
Acq: 10 Jul 2018 13:47

Tgt Ion: 106 Resp: 223019

Ion Ratio Lower Upper

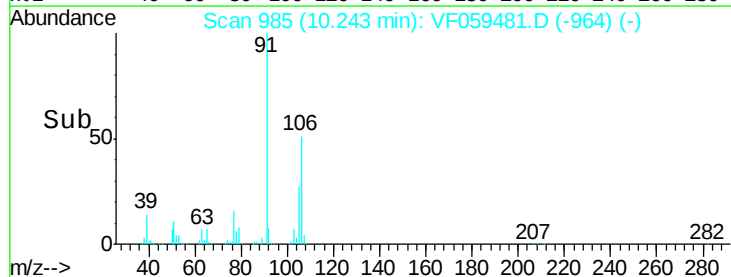
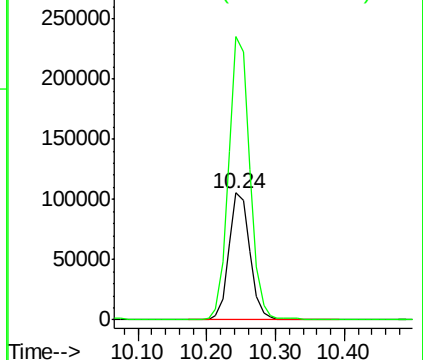
106 100

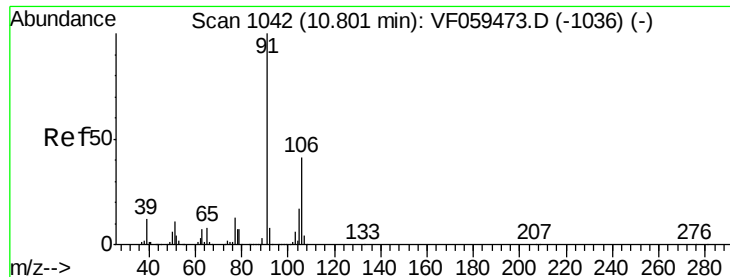
91 223.3 173.5 260.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





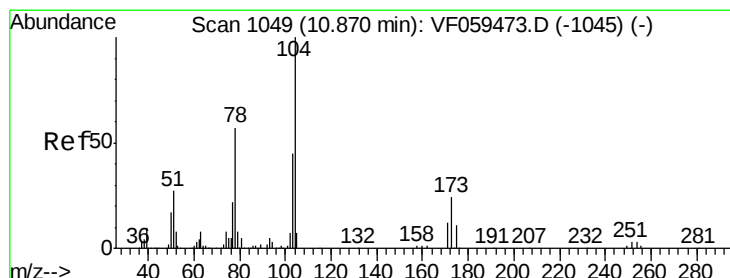
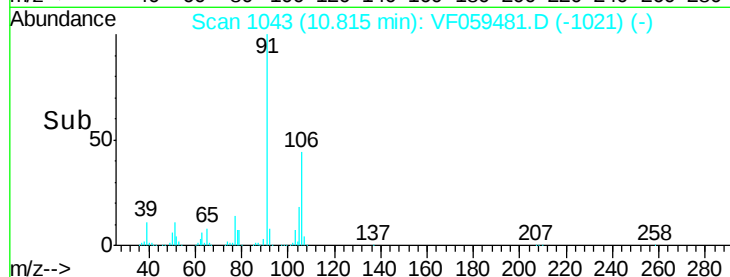
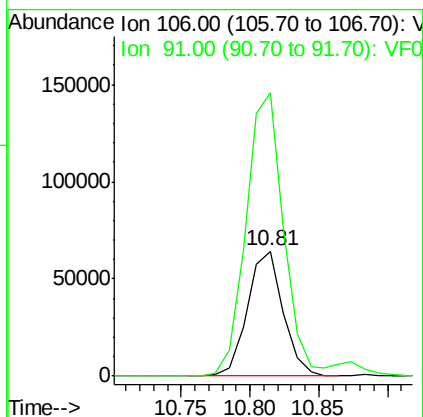
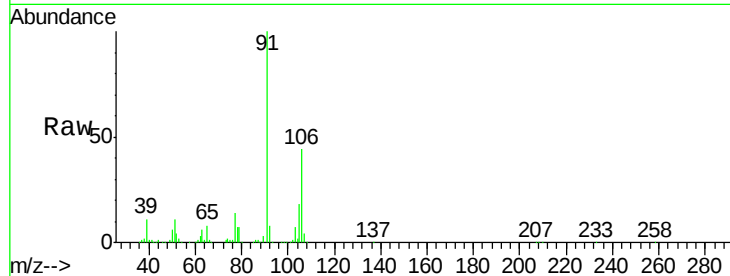
#69
o-Xylene
Concen: 23.20 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion:106 Resp: 117049
Ion Ratio Lower Upper
106 100
91 226.2 121.8 365.3

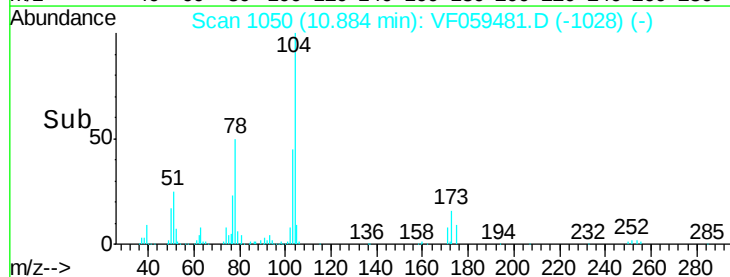
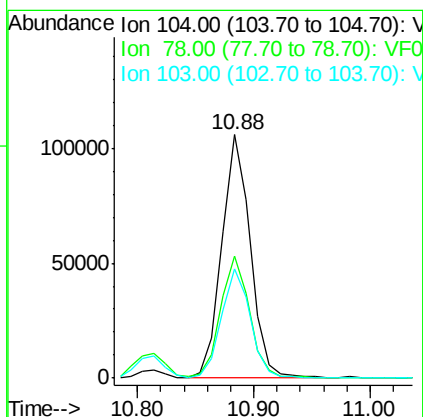
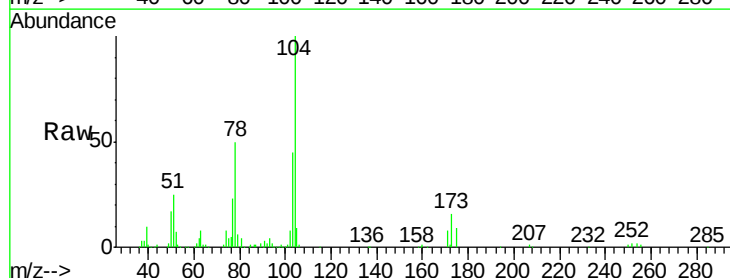
Manual Integrations
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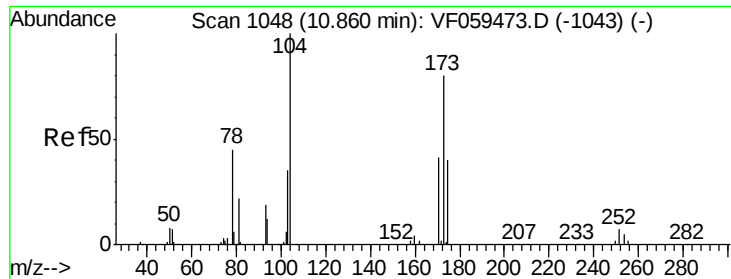
apatel
7/11/2018 11:33:33 AM



#70
Styrene
Concen: 22.80 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion:104 Resp: 179274
Ion Ratio Lower Upper
104 100
78 50.2 46.2 69.2
103 45.0 36.8 55.2





#71

Bromoform

Concen: 21.62 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

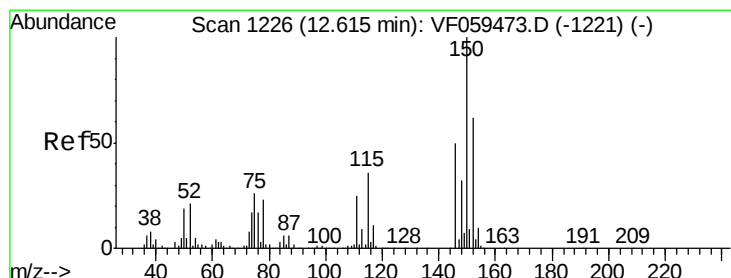
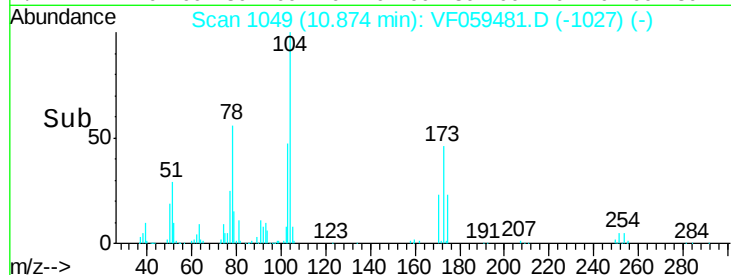
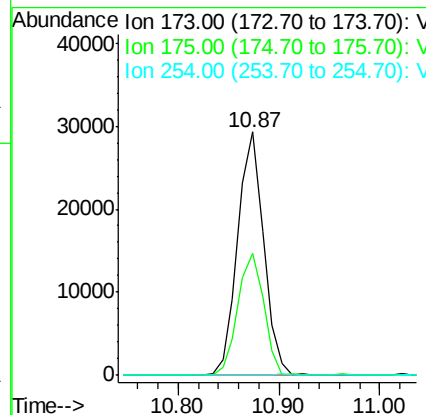
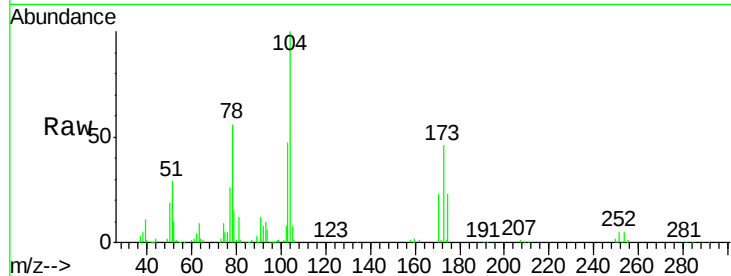
ClientSampleId :

VF0710SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.8
254	0.4	0.0	0.0#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

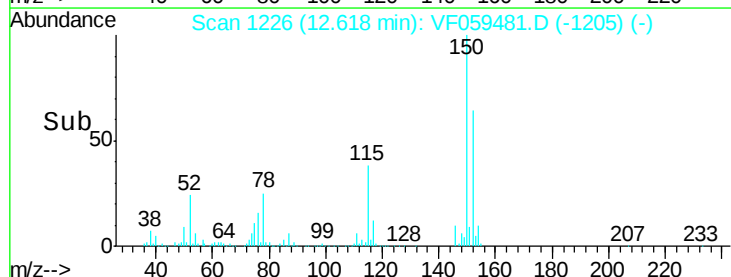
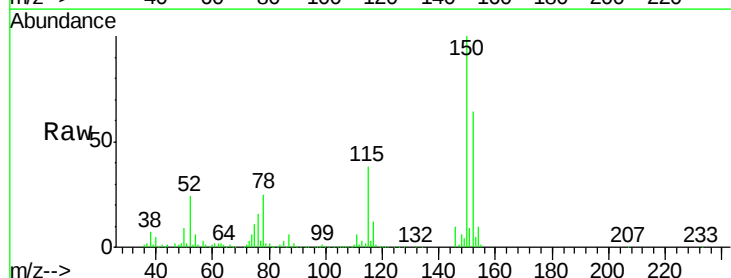
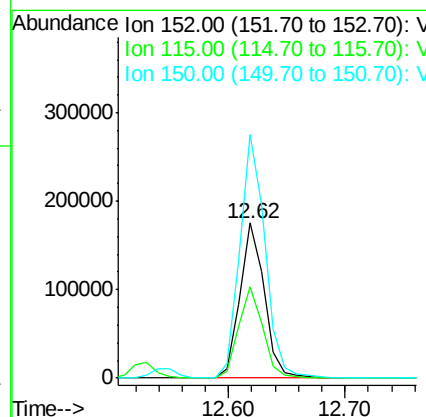
RT: 12.62 min Scan# 1226

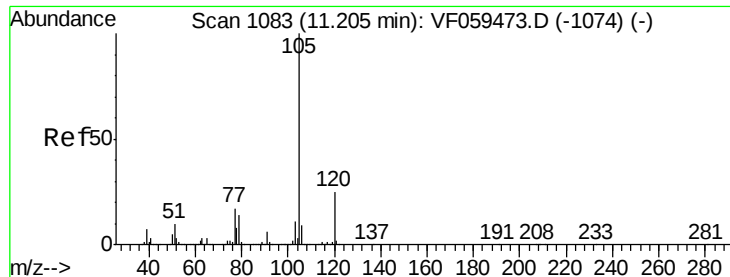
Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	28.7	86.3
150	157.0	0.0	323.8





#73

Isopropylbenzene

Concen: 27.80 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion: 105 Resp: 430596

Ion Ratio Lower Upper

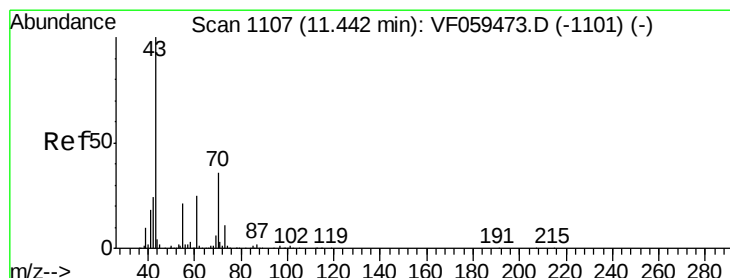
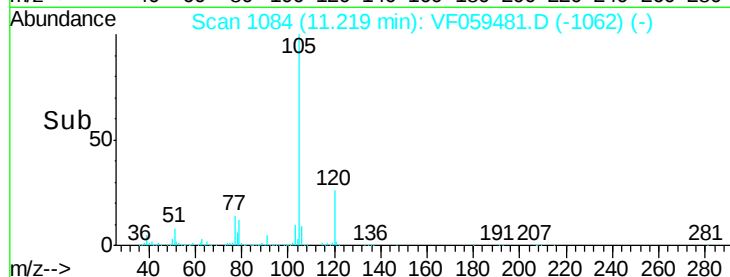
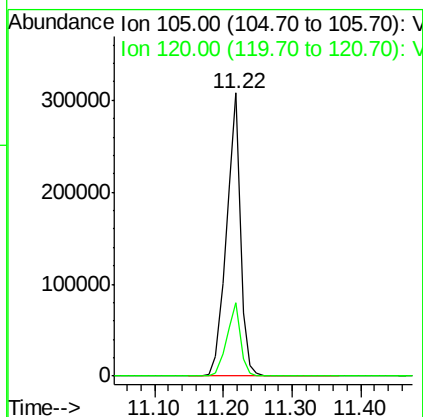
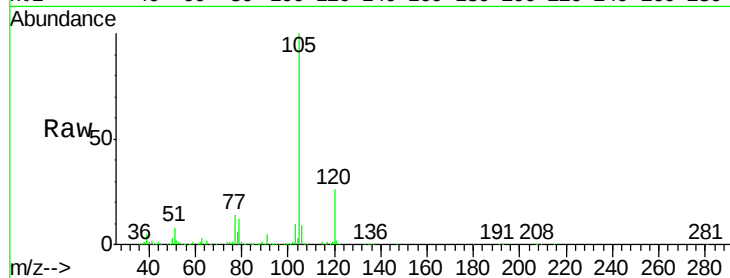
105 100

120 25.8 12.4 37.2

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#74

N-ethyl acetate

Concen: 26.00 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Tgt Ion: 43 Resp: 122954

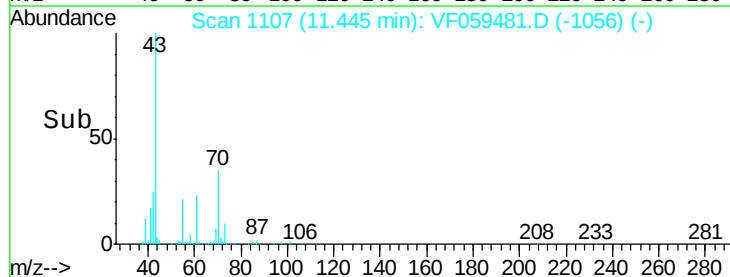
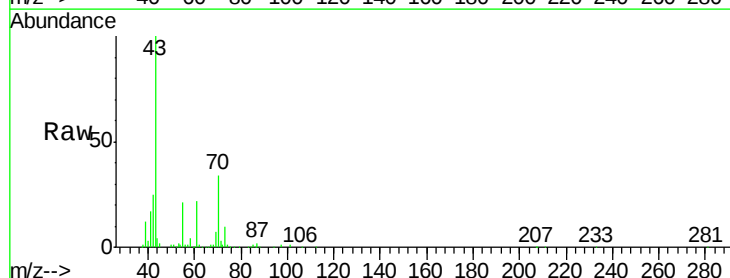
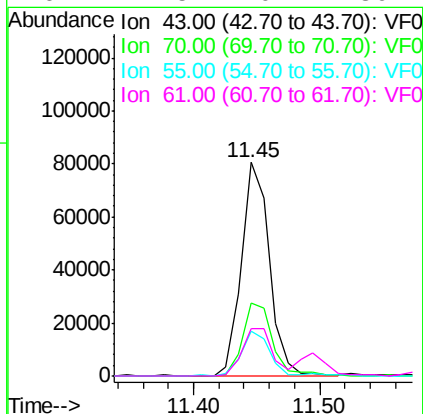
Ion Ratio Lower Upper

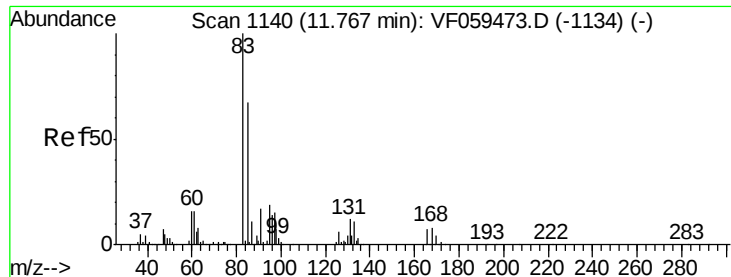
43 100

70 34.5 28.7 43.1

55 21.2 16.6 24.8

61 22.5 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.26 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

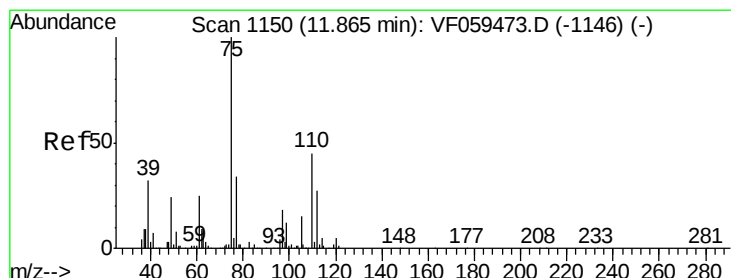
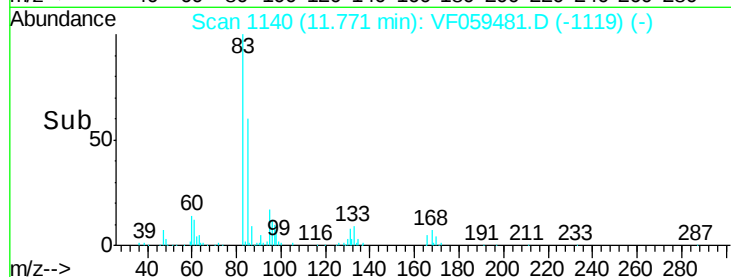
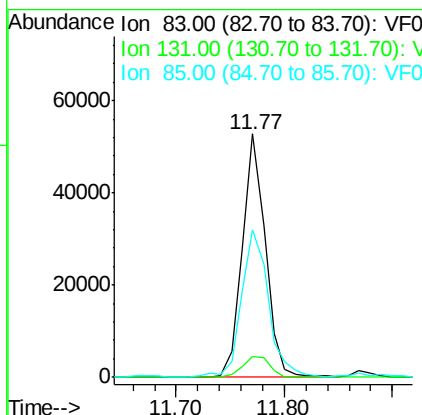
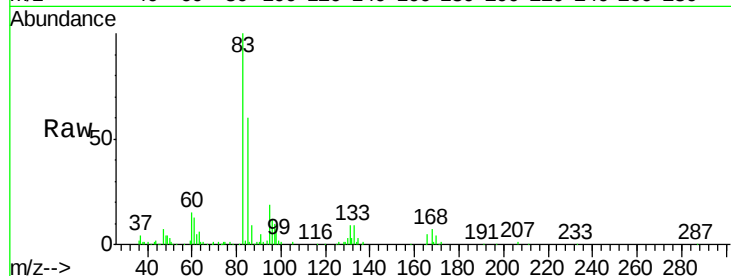
ClientSampleId :

VF0710SBS01

Tot Ion	83	Resp	78363
Ion Ratio	100	Lower	Upper
83	100		
131	8.6	6.0	18.0
85	60.4	33.7	101.1

Manual Integrations
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7/11/2018 11:33:33 AM



#76

1,2,3-Trichloropropane

Concen: 22.02 ug/l

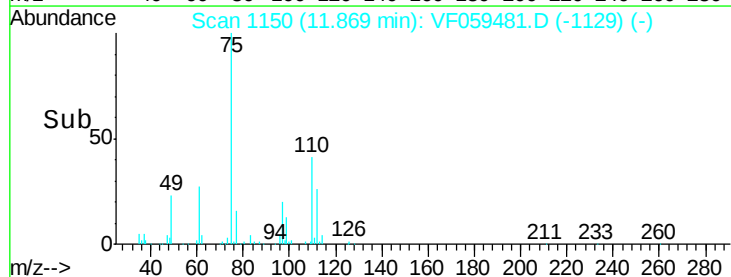
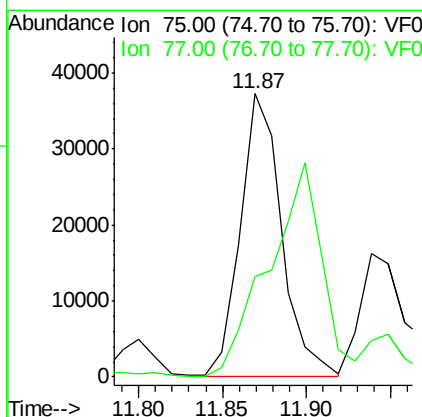
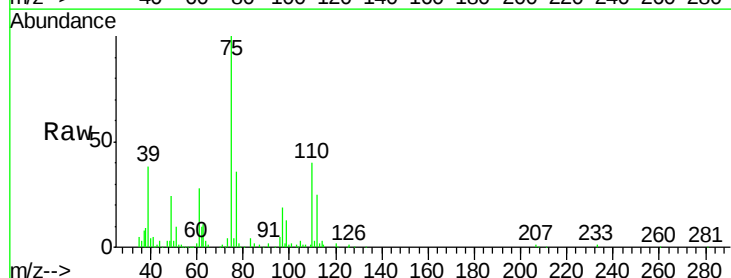
RT: 11.87 min Scan# 1150

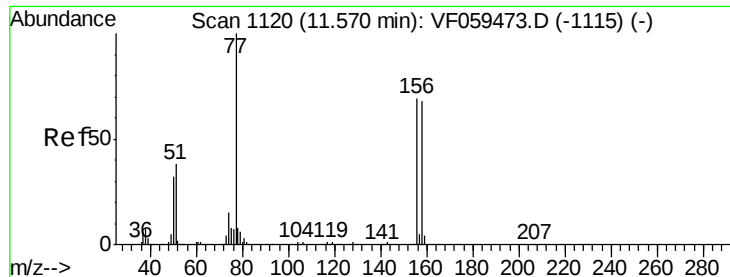
Delta R.T. 0.00 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Tgt Ion	75	Resp	63113
Ion Ratio	100	Lower	Upper
75	100		
77	35.6	16.9	50.6





#77

Bromobenzene

Concen: 21.78 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion:156 Resp: 93358

Ion Ratio Lower Upper

156 100

77 130.4 72.4 217.2

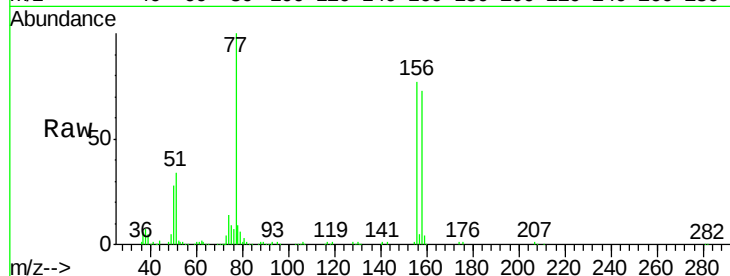
158 94.8 49.5 148.3

Manual Integrations

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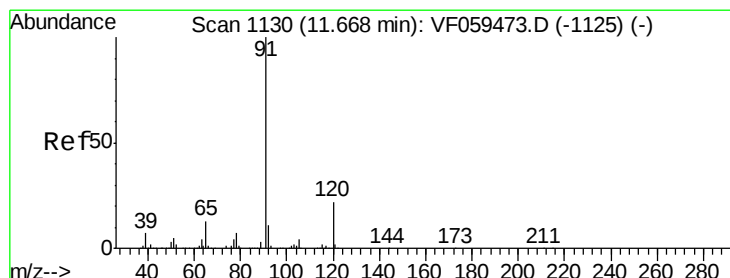
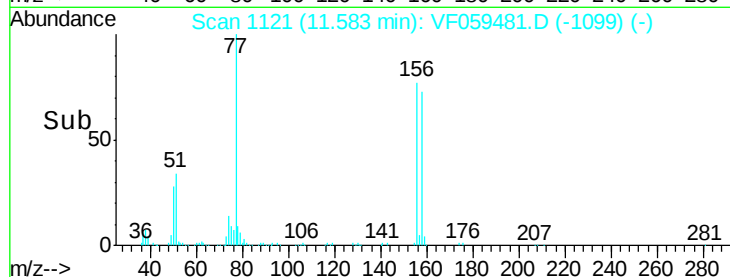
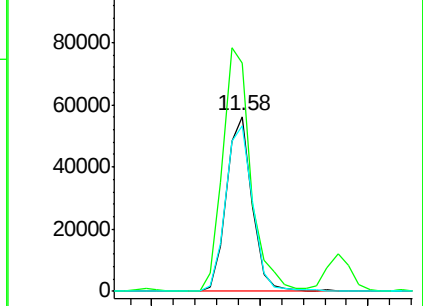
7/11/2018 11:33:33 AM



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: 22.10 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF059481.D

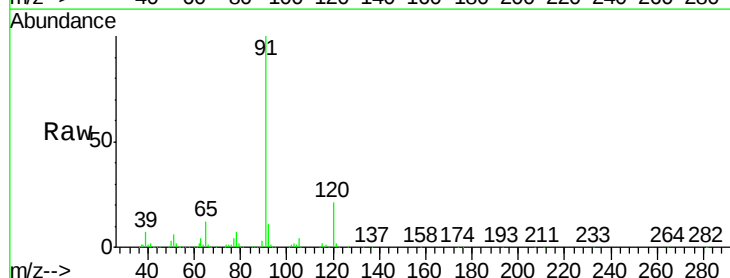
Acq: 10 Jul 2018 13:47

Tgt Ion: 91 Resp: 411088

Ion Ratio Lower Upper

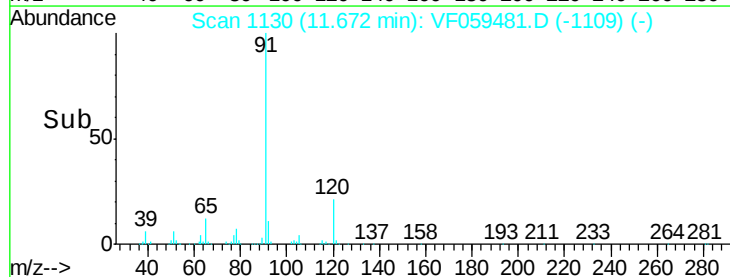
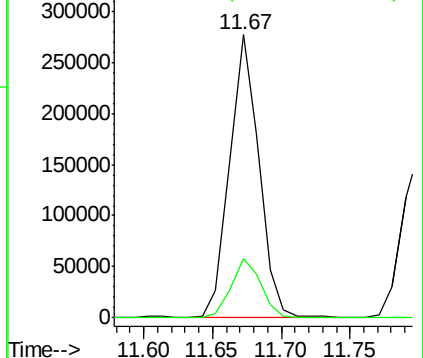
91 100

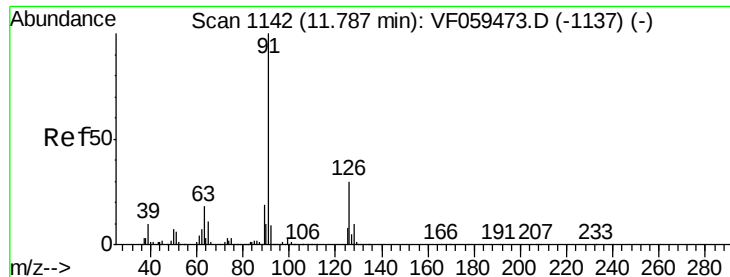
120 21.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.43 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF059481.D

Acq: 10 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0710SBS01

Tot Ion: 91 Resp: 246674

Ion Ratio Lower Upper

91 100

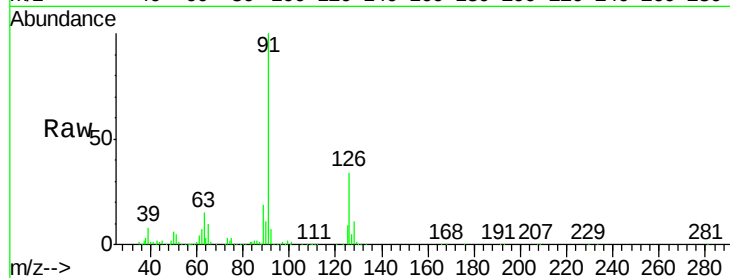
126 33.9 15.2 45.5

Manual Integrations

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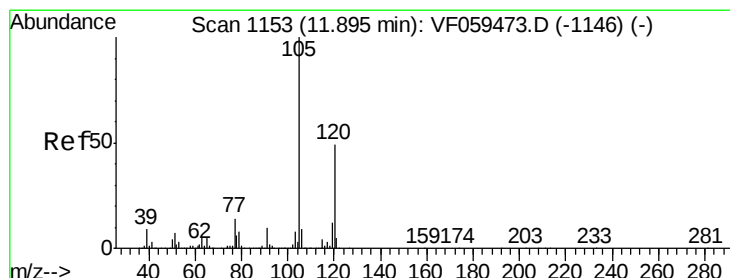
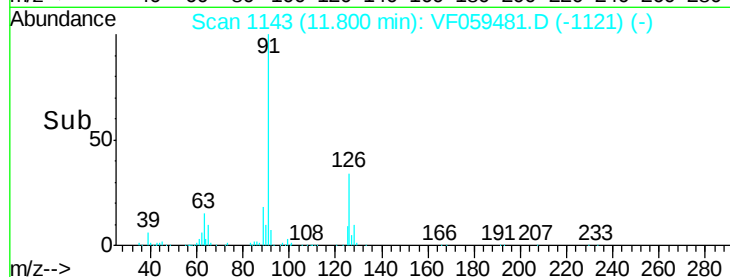
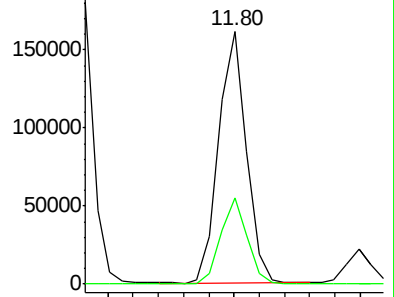
apatel

7/11/2018 11:33:33 AM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.60 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059481.D

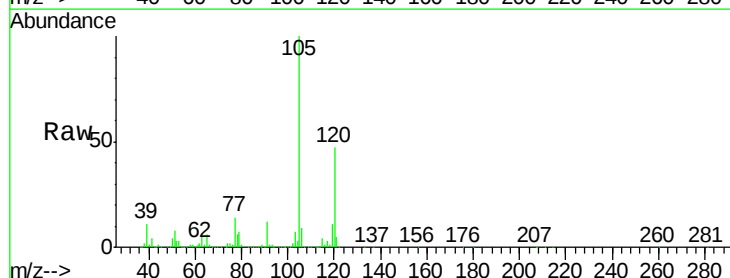
Acq: 10 Jul 2018 13:47

Tgt Ion: 105 Resp: 296459

Ion Ratio Lower Upper

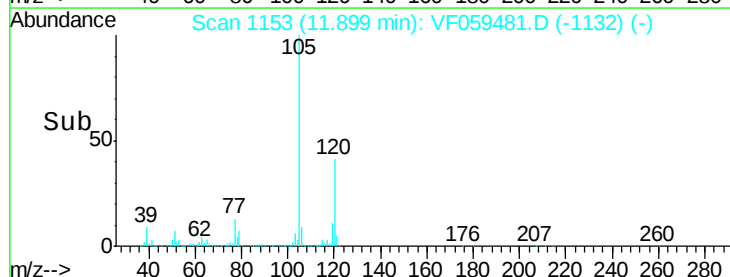
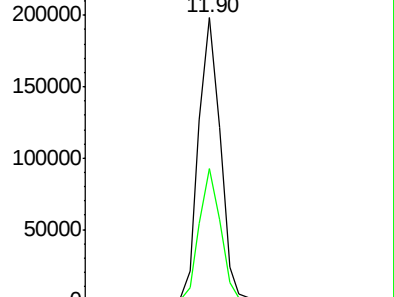
105 100

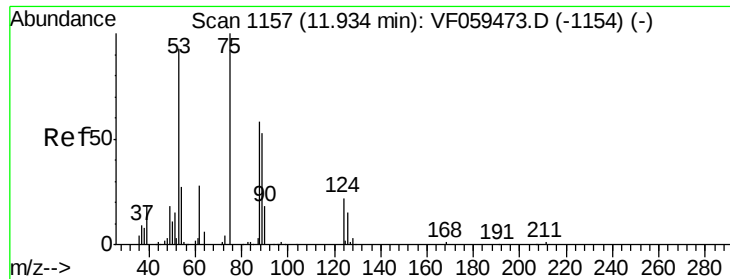
120 46.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





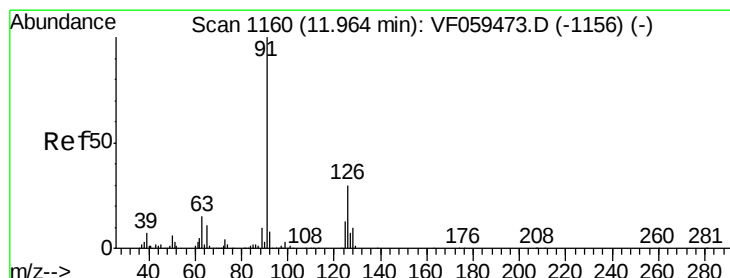
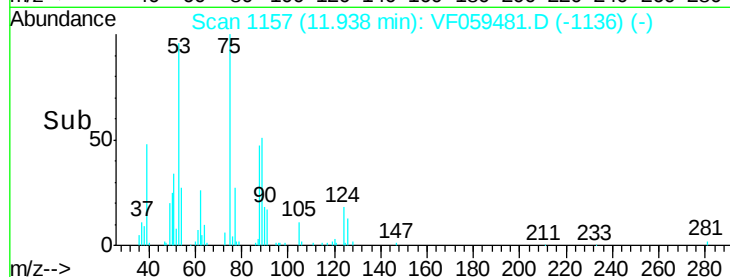
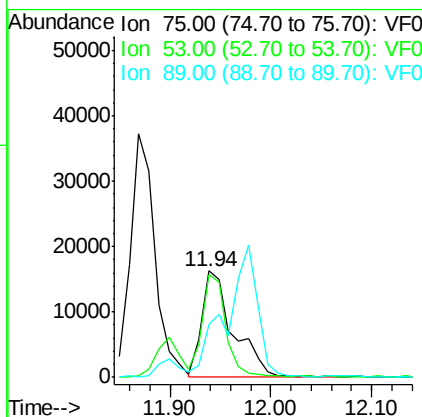
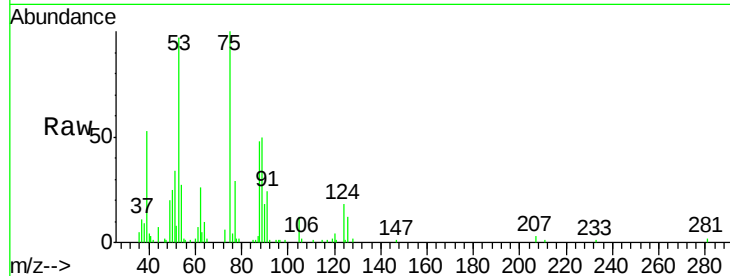
#81
trans-1,4-Dichloro-2-butene
Concen: 24.01 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.0	79.0	118.6
89	50.3	45.9	68.9

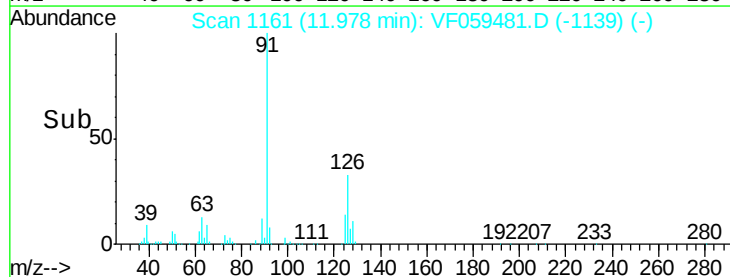
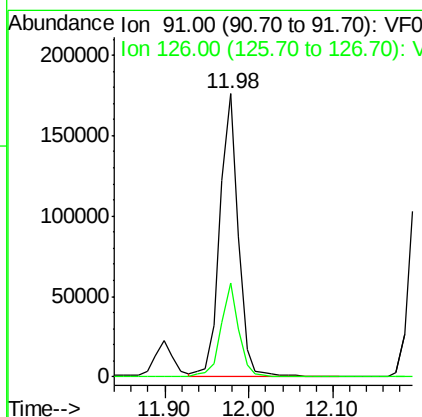
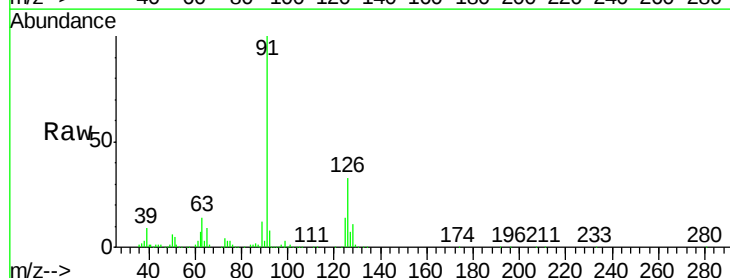
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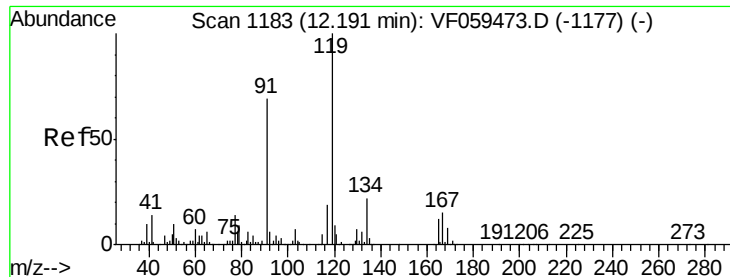
apatel
7/11/2018 11:33:33 AM



#82
4-Chlorotoluene
Concen: 21.96 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	14.9	44.5





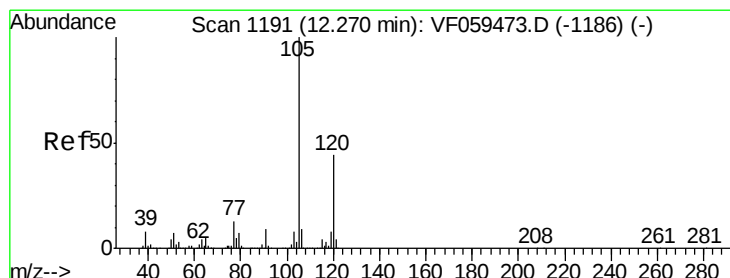
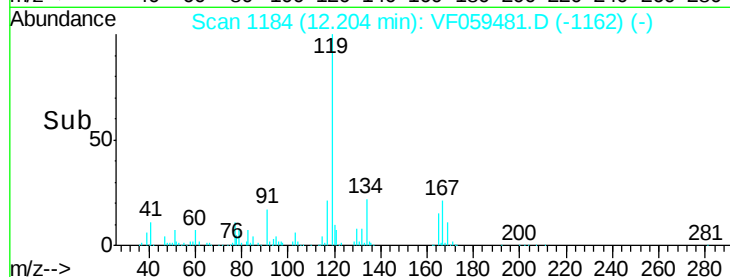
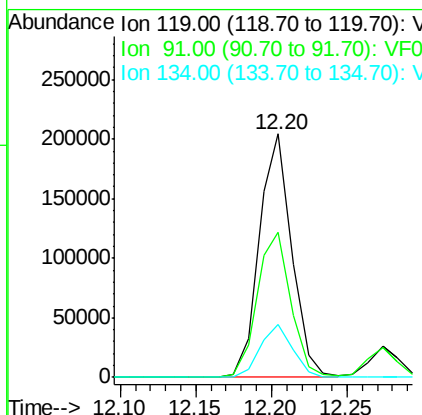
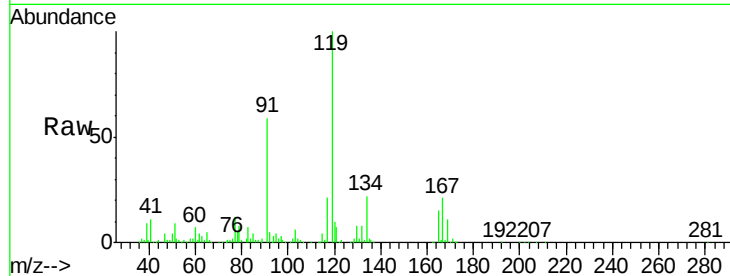
#83
tert-Butylbenzene
Concen: 22.79 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.4	34.4	103.3
134	21.5	10.8	32.4

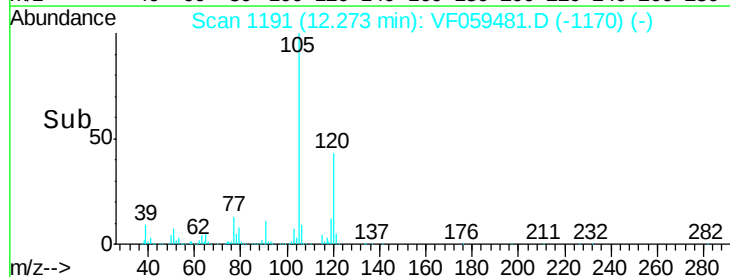
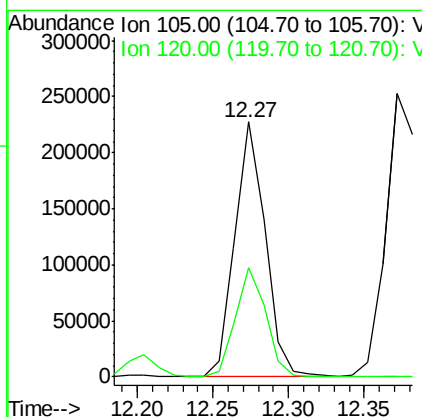
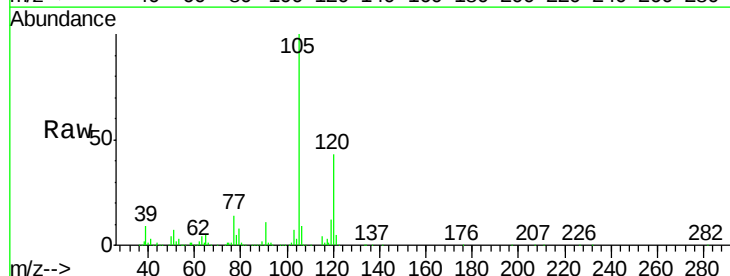
Manual Integrations
APPROVED

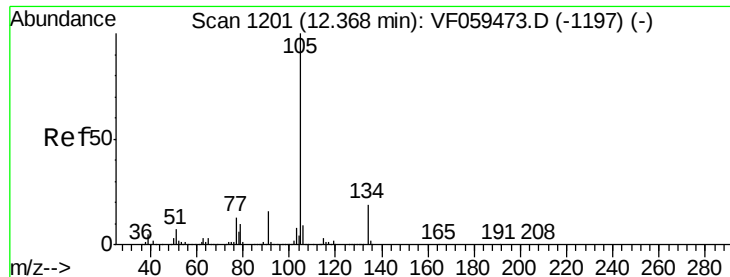
apatel
7/11/2018 11:33:33 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.99 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.1	66.1





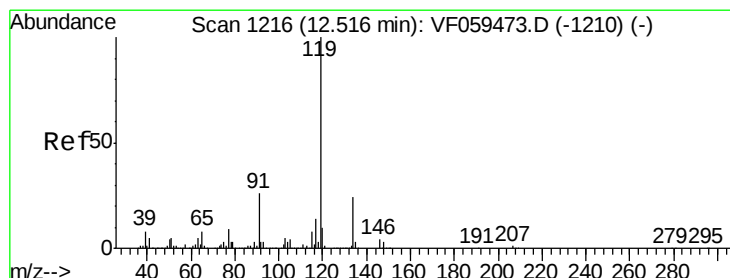
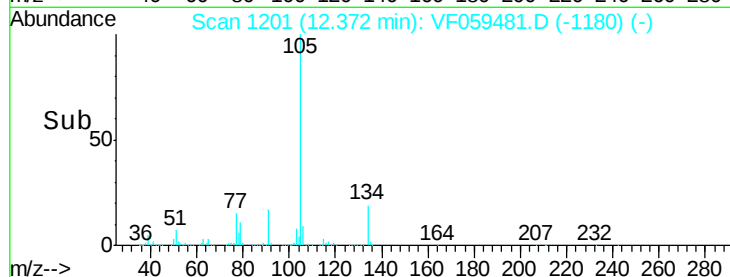
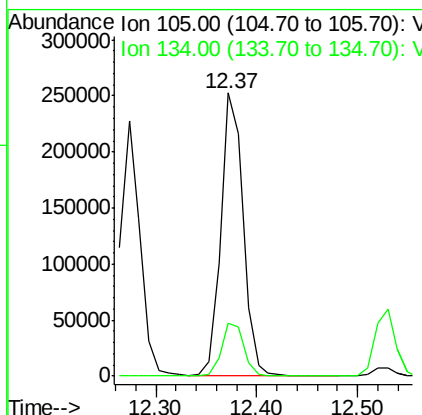
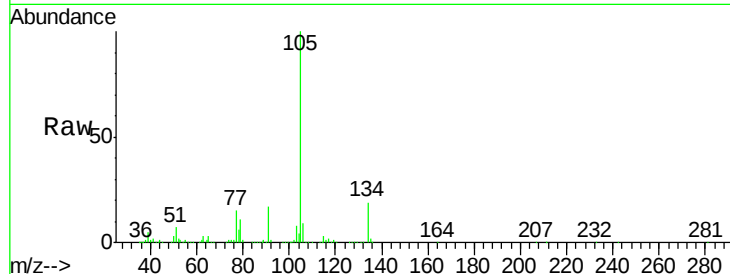
#85
 sec-Butylbenzene
 Concen: 21.61 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0710SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	389287		
134	18.6	9.6	28.6	

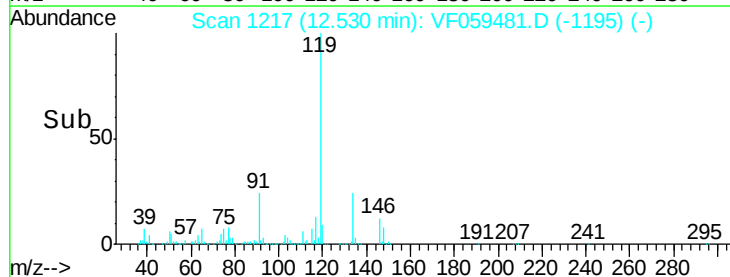
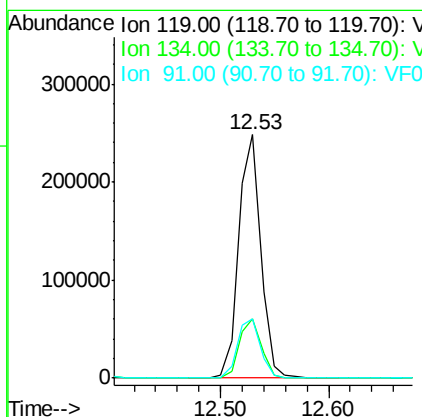
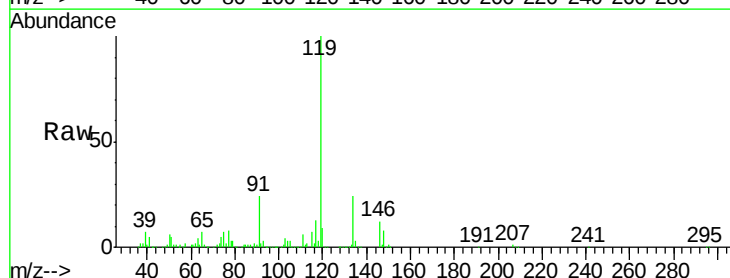
Manual Integrations
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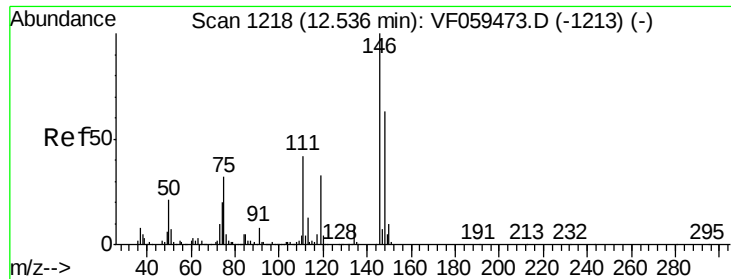
apatel
 7/11/2018 11:33:33 AM



#86
 p-Isopropyltoluene
 Concen: 22.83 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	351751		
134	24.2	12.2	36.4	
91	24.5	13.1	39.3	





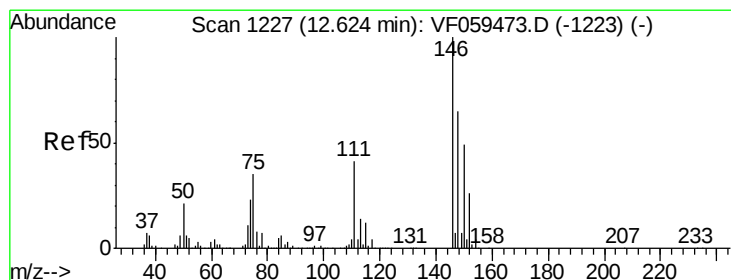
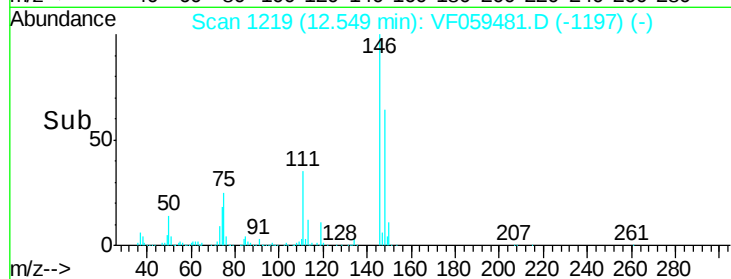
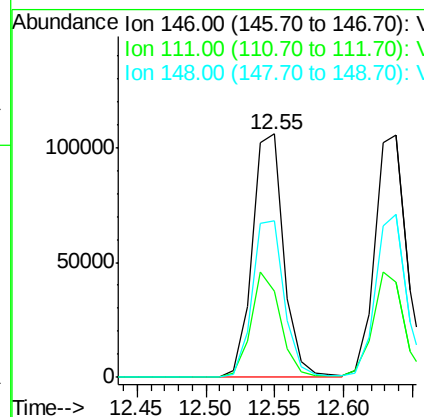
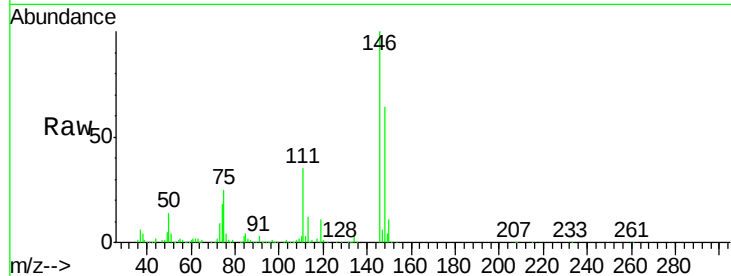
#87
 1,3-Dichlorobenzene
 Concen: 20.90 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	21.0	63.0
148	64.4	31.6	94.8

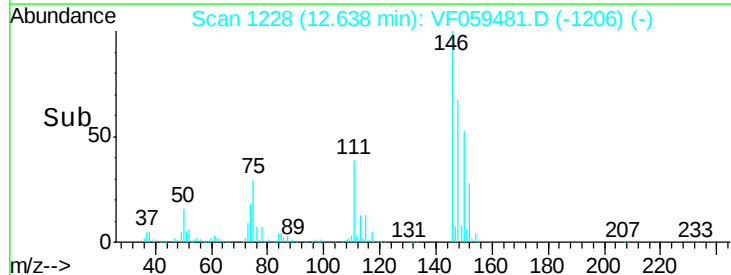
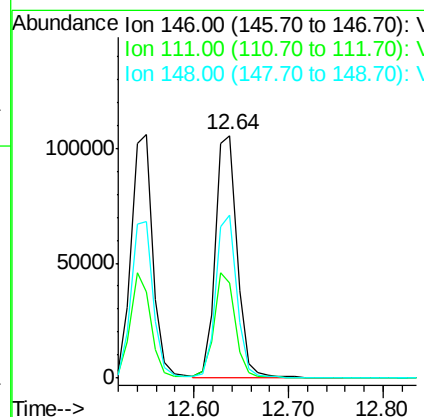
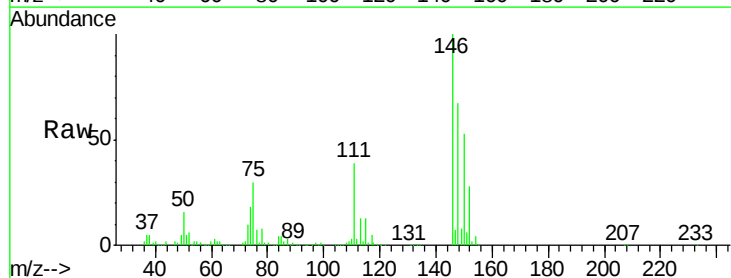
Manual Integrations
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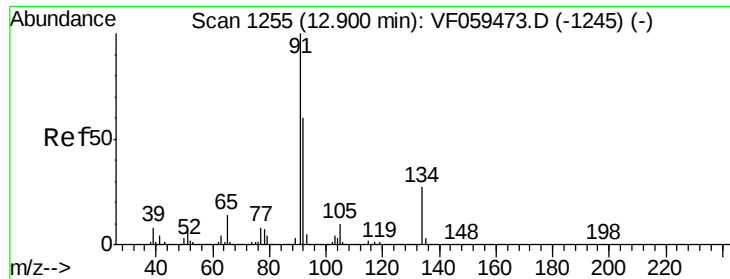
apatel
 7/11/2018 11:33:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.67 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	67.0	32.6	97.8





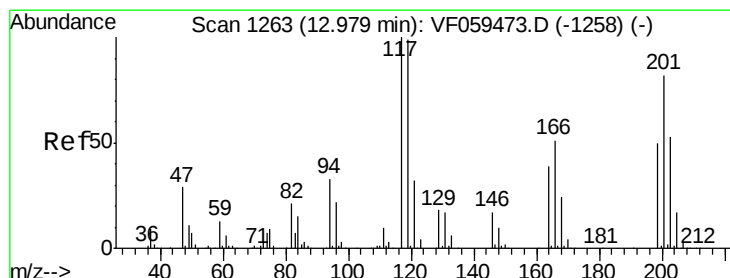
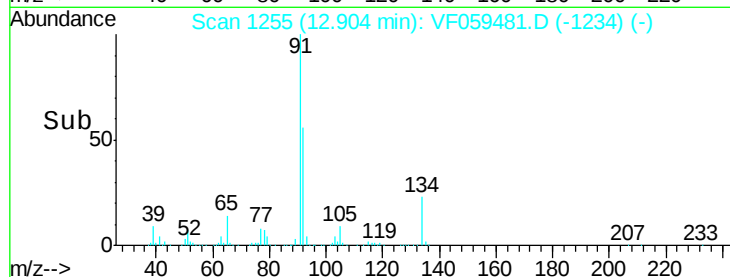
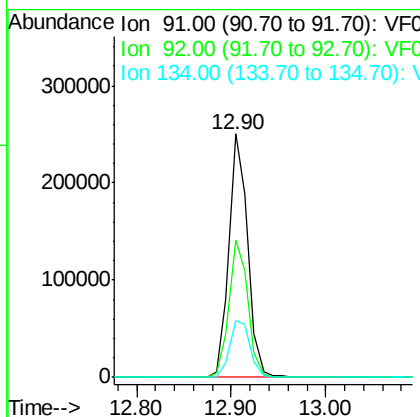
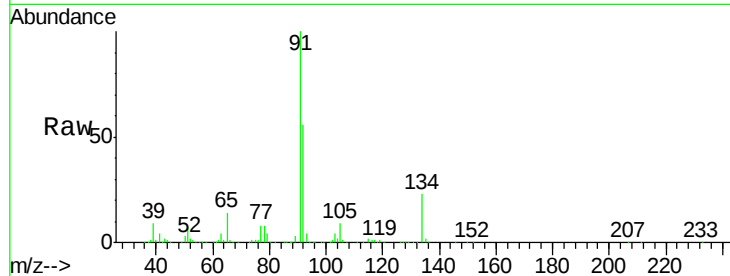
#89
n-Butylbenzene
Concen: 22.95 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.4	30.0	90.1
134	23.1	13.3	39.9

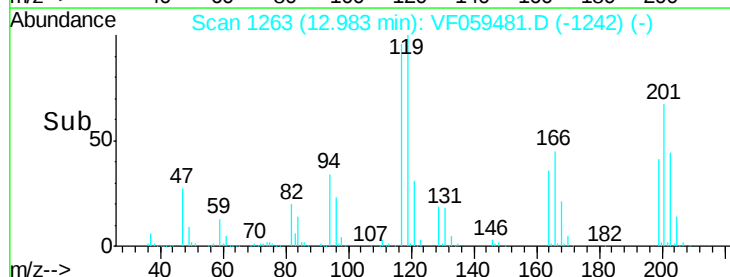
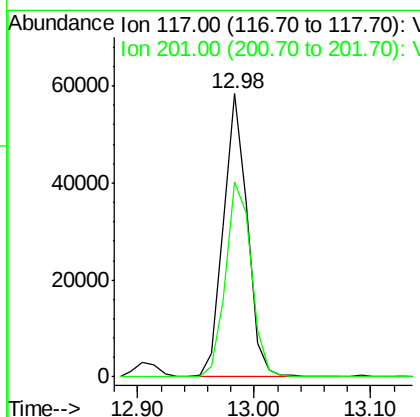
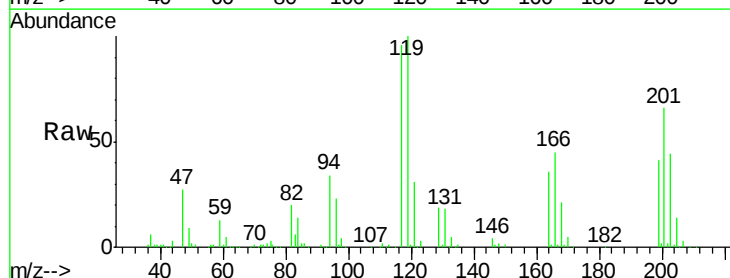
Manual Integrations
APPROVED

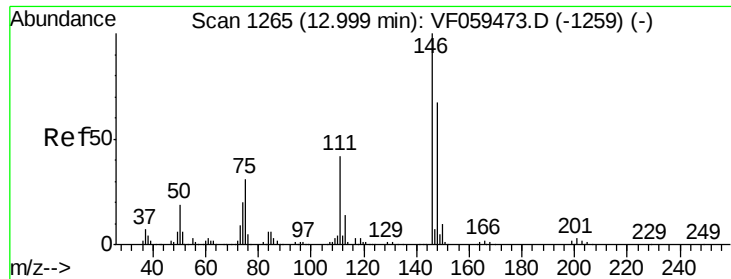
apatel
7/11/2018 11:33:33 AM



#90
Hexachloroethane
Concen: 20.72 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.0	40.6	121.8





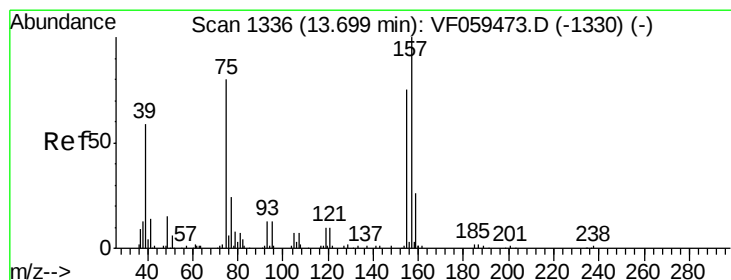
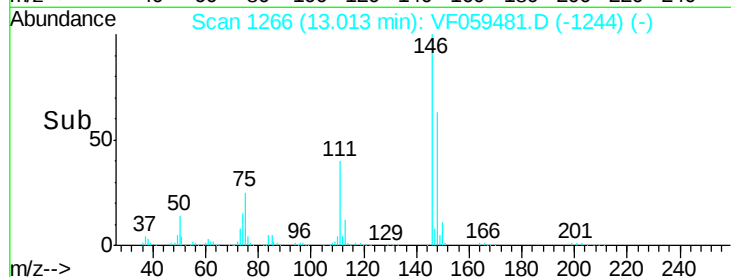
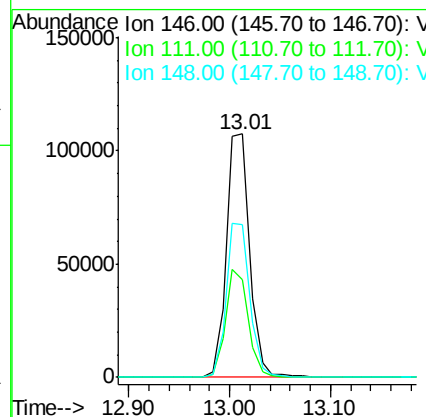
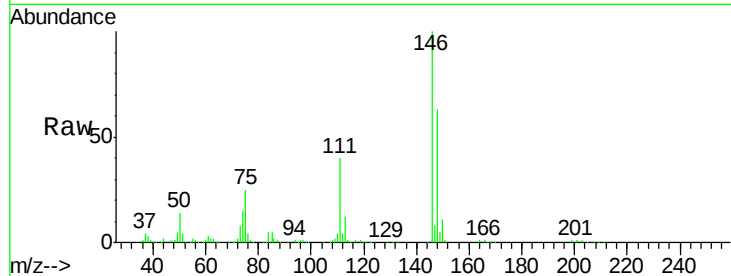
#91
 1,2-Dichlorobenzene
 Concen: 21.47 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.2	63.6
148	63.0	33.3	99.9

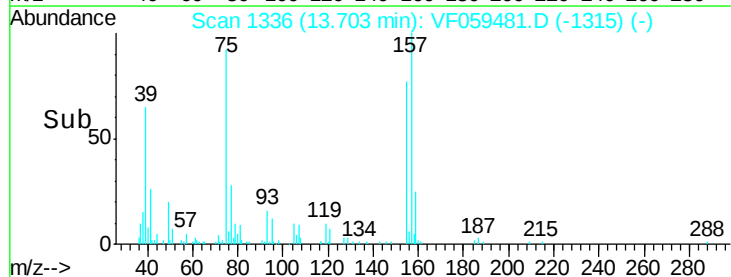
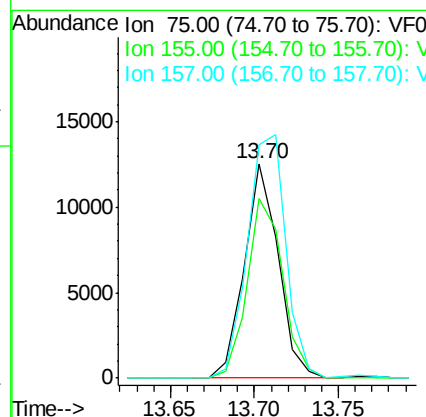
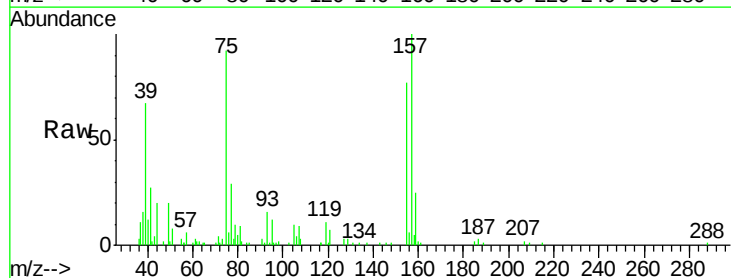
Manual Integrations
 APPROVED

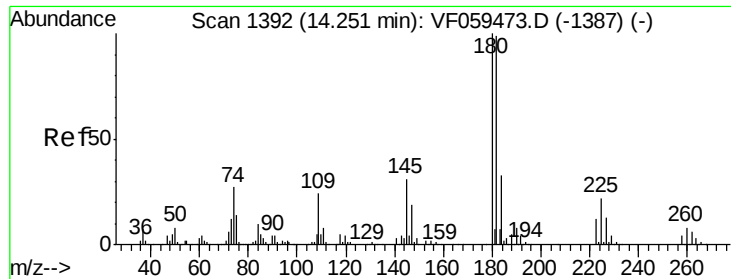
apatel
 7/11/2018 11:33:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.85 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	47.3	141.8
157	108.8	62.6	187.8





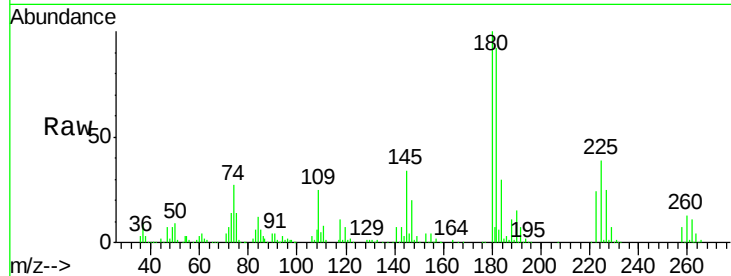
#93
 1,2,4-Trichlorobenzene
 Concen: 22.92 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0710SBS01

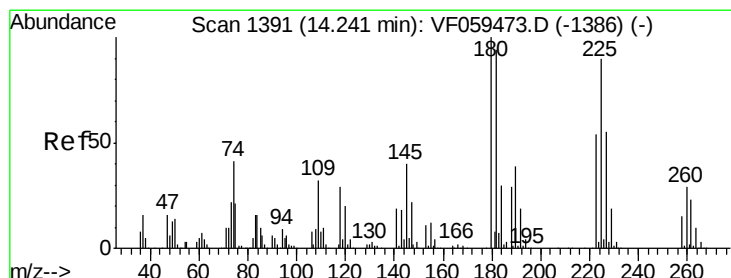
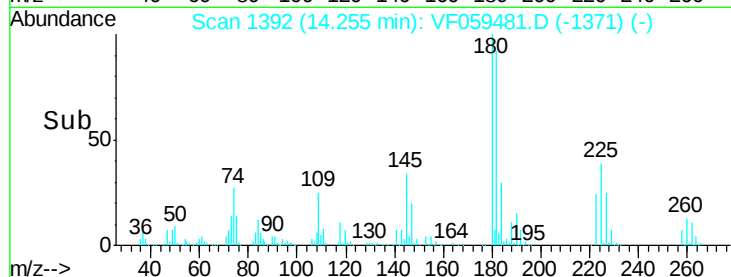
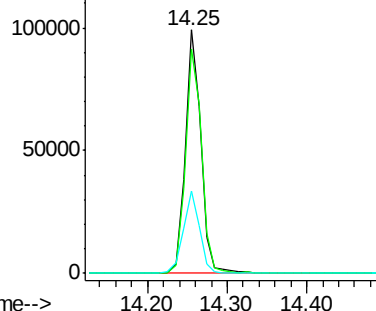
Tot Ion	Ratio	Resp	Lower	Upper
180	100	137073		
182	92.2	49.5	148.7	
145	33.6	15.4	46.2	

Manual Integrations
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apatel
 7/11/2018 11:33:33 AM

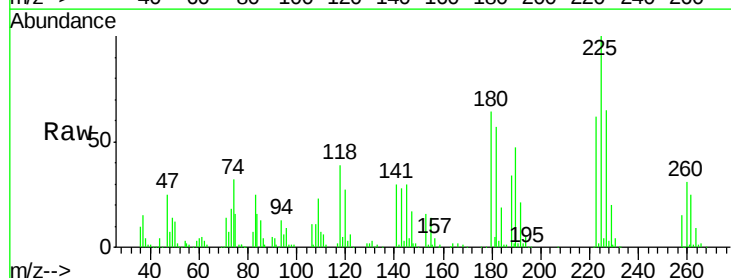


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

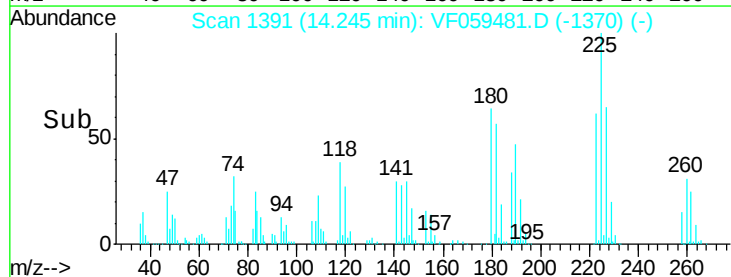
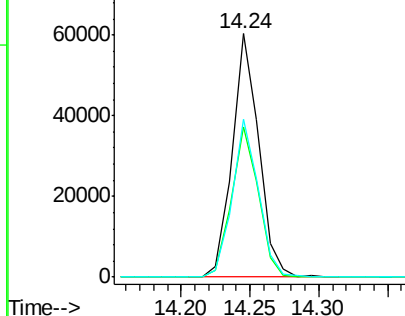


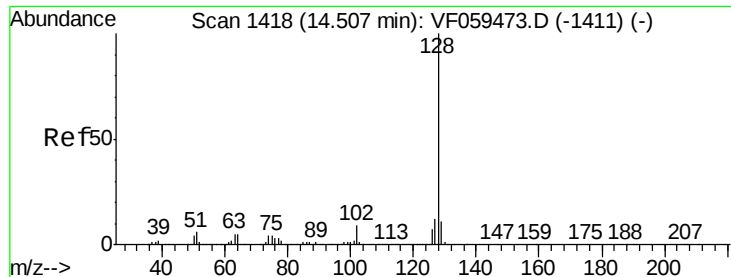
#94
 Hexachlorobutadiene
 Concen: 22.25 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF059481.D
 Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80641		
223	61.7	30.1	90.5	
227	64.8	30.8	92.4	



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





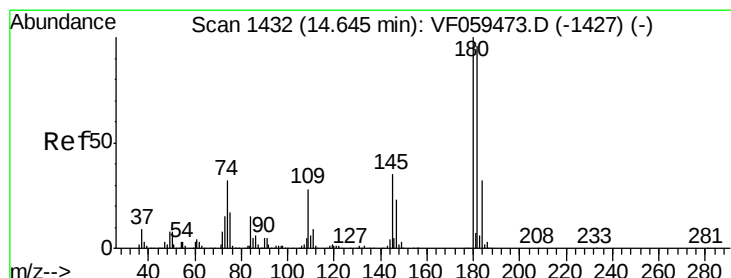
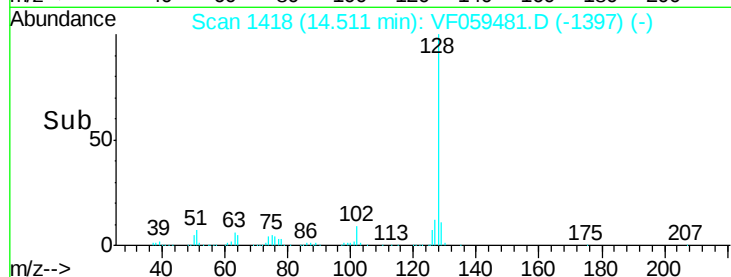
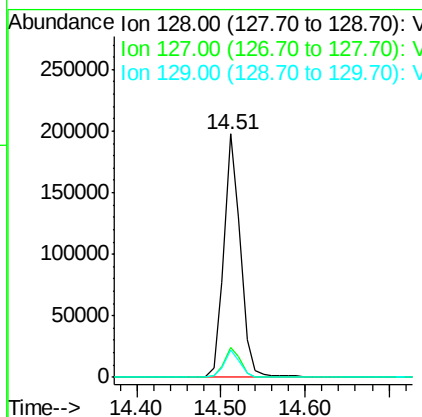
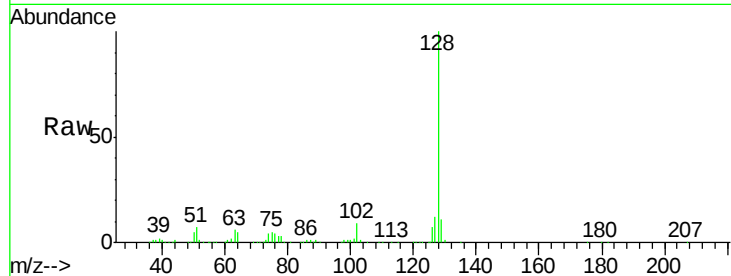
#95
Naphthalene
Concen: 22.90 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0710SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.9	14.9
129	11.0	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.07 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VF059481.D
Acq: 10 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.7
145	32.7	17.5	52.5

