

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070718\
 Data File : VF059472.D
 Acq On : 7 Jul 2018 3:00
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 7/9/2018 9:34:19 AM

Quant Time: Jul 07 06:24:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:43:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	220301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	323070	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.88	117	342843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	232351	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	80448	26.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.70%	
35) Dibromofluoromethane	4.26	113	65593	26.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.66%	
50) Toluene-d8	7.68	98	157231	25.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.34%	
62) 4-Bromofluorobenzene	11.49	95	90997	26.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	63131	28.46	ug/l	99
3) Chloromethane	1.08	50	30490	21.90	ug/l	94
4) Vinyl Chloride	1.14	62	32968	24.02	ug/l	94
5) Bromomethane	1.33	94	29430	31.37	ug/l	89
6) Chloroethane	1.42	64	18275	26.26	ug/l	96
7) Trichlorofluoromethane	1.48	101	70524m	25.00	ug/l	
8) Diethyl Ether	1.69	74	13589	19.65	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	1.88	101	40338	25.06	ug/l	97
10) Methyl Iodide	1.94	142	73350	25.17	ug/l	93
11) Tert butyl alcohol	2.67	59	15887	83.81	ug/l #	84
12) 1,1-Dichloroethene	1.84	96	33167	24.26	ug/l	96
13) Acrolein	2.08	56	13770	122.33	ug/l	96
14) Allyl chloride	2.17	41	60232	24.18	ug/l	92
15) Acrylonitrile	3.05	53	29470	88.96	ug/l	98
16) Acetone	2.32	43	56079	74.68	ug/l #	90
17) Carbon Disulfide	1.86	76	90568	27.79	ug/l	97
18) Methyl Acetate	2.43	43	27516	18.52	ug/l	94
19) Methyl tert-butyl Ether	2.52	73	114955	23.15	ug/l	95
20) Methylene Chloride	2.29	84	36655m	16.97	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	37165	25.61	ug/l	90
22) Diisopropyl ether	2.90	45	127646	23.37	ug/l	100
23) Vinyl Acetate	3.31	43	368918	106.94	ug/l	97
24) 1,1-Dichloroethane	2.97	63	88019	25.45	ug/l	99
25) 2-Butanone	4.47	43	78234	86.46	ug/l	99
26) 2,2-Dichloropropane	3.73	77	50483	21.80	ug/l	98
27) cis-1,2-Dichloroethene	3.60	96	45345	21.31	ug/l	96
28) Bromochloromethane	3.85	49	35780	23.87	ug/l	87
29) Tetrahydrofuran	4.23	42	38493	96.45	ug/l	96
30) Chloroform	4.00	83	121702	24.32	ug/l	88
31) Cyclohexane	3.83	56	50715	22.69	ug/l	93
32) 1,1,1-Trichloroethane	4.24	97	96928	26.30	ug/l	92
36) 1,1-Dichloropropene	4.42	75	72862	24.71	ug/l	93
37) Ethyl Acetate	4.26	43	43503	21.79	ug/l #	74
38) Carbon Tetrachloride	4.13	117	103634	27.30	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	58643	22.42	ug/l	96
40) Benzene	4.78	78	135583	21.37	ug/l	100
41) Methacrylonitrile	4.89	41	17115	17.75	ug/l #	79
42) 1,2-Dichloroethane	5.08	62	104905	27.16	ug/l	99
43) Isopropyl Acetate	7.07	43	47144	20.13	ug/l #	94
44) Trichloroethene	5.64	130	54690	24.58	ug/l	94
45) 1,2-Dichloropropane	6.36	63	40417	22.37	ug/l	91
46) Dibromomethane	6.22	93	35616	22.37	ug/l	91
47) Bromodichloromethane	6.51	83	96501	24.90	ug/l	96
48) Methyl methacrylate	6.84	41	31001	19.44	ug/l	91
49) 1,4-Dioxane	6.84	88	3119	324.57	ug/l	94
51) 4-Methyl-2-Pentanone	8.38	43	174609	100.02	ug/l	99
52) Toluene	7.74	92	104845	21.93	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	81224	23.15	ug/l	100
54) cis-1,3-Dichloropropene	7.42	75	82789	22.03	ug/l	98
55) 1,1,2-Trichloroethane	8.60	97	39551	21.44	ug/l	94
56) Ethyl methacrylate	8.73	69	44599	19.86	ug/l	94
57) 1,3-Dichloropropane	8.97	76	69330	21.90	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.74	63	22964	129.62	ug/l	100
59) 2-Hexanone	9.60	43	137081	95.22	ug/l	96
60) Dibromochloromethane	8.83	129	67121	23.33	ug/l	95
61) 1,2-Dibromoethane	9.10	107	48769	21.73	ug/l	97
64) Tetrachloroethene	8.27	164	61799	26.27	ug/l	96
65) Chlorobenzene	9.91	112	138878	21.39	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	63824	22.56	ug/l	99
67) Ethyl Benzene	10.00	91	251525	22.74	ug/l	100
68) m/p-Xylenes	10.24	106	177827	45.51	ug/l	99
69) o-Xylene	10.80	106	94110	21.58	ug/l	96
70) Styrene	10.88	104	149922	22.54	ug/l	95
71) Bromoform	10.86	173	44087	22.84	ug/l #	98
73) Isopropylbenzene	11.20	105	293105	21.19	ug/l	100
74) N-amyl acetate	11.44	43	91376	18.70	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	66562	19.54	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	51390	19.66	ug/l	93
77) Bromobenzene	11.57	156	79046	20.77	ug/l	100
78) n-propylbenzene	11.67	91	364860	21.98	ug/l	98
79) 2-Chlorotoluene	11.79	91	218573	21.47	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	264253	21.67	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.93	75	28199	18.61	ug/l	92
82) 4-Chlorotoluene	11.96	91	231757	21.47	ug/l	99
83) tert-Butylbenzene	12.19	119	263323	21.83	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	281372	22.10	ug/l	99
85) sec-Butylbenzene	12.37	105	345799	21.49	ug/l	99
86) p-Isopropyltoluene	12.52	119	313417	23.15	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	157636	22.27	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	149316	21.71	ug/l	98
89) n-Butylbenzene	12.90	91	307205	22.35	ug/l	98
90) Hexachloroethane	12.98	117	77425	22.88	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	155937	22.50	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	15241	19.73	ug/l	89

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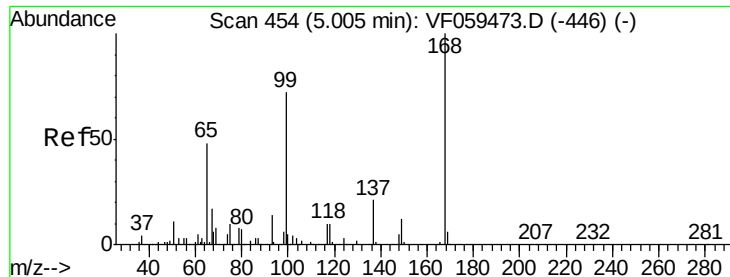
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93) 1,2,4-Trichlorobenzene	14.25	180	117309	22.79	ug/l	99
94) Hexachlorobutadiene	14.24	225	72969	24.72	ug/l	96
95) Naphthalene	14.51	128	223989	20.78	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	112576	22.97	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 220301

Ion Ratio Lower Upper

168 100

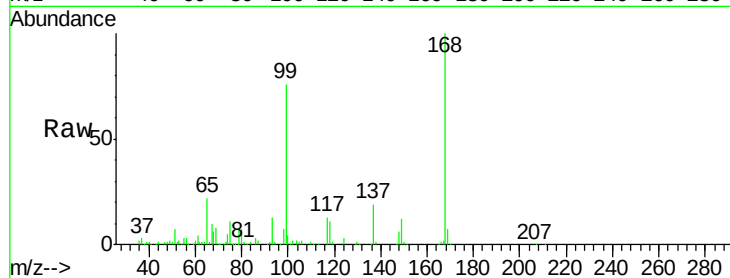
99 76.0 57.7 86.5

Manual Integrations

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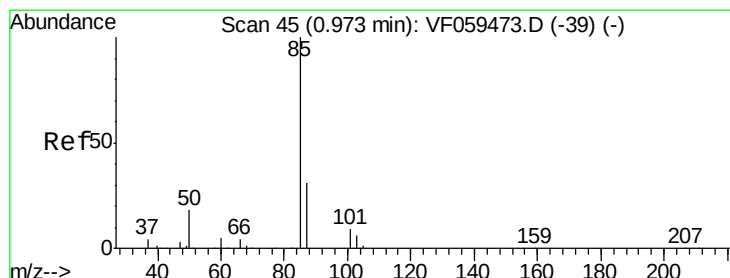
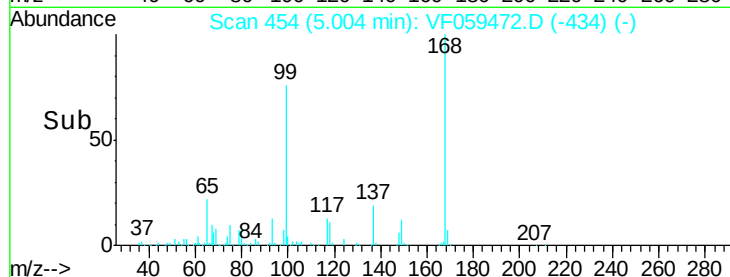
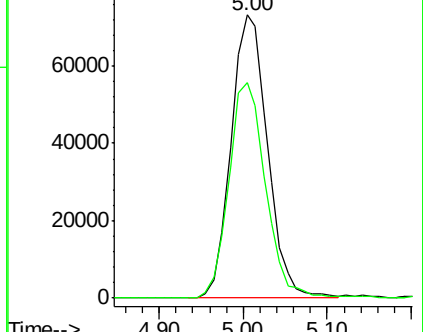
apatel

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 28.46 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059472.D

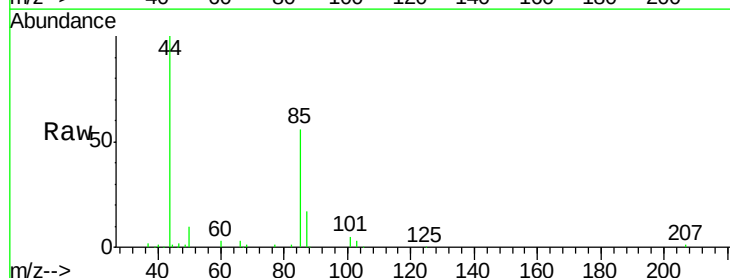
Acq: 7 Jul 2018 3:00

Tgt Ion: 85 Resp: 63131

Ion Ratio Lower Upper

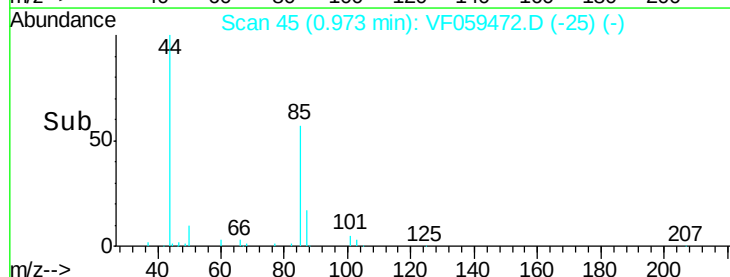
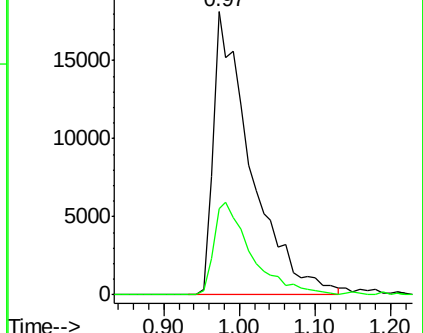
85 100

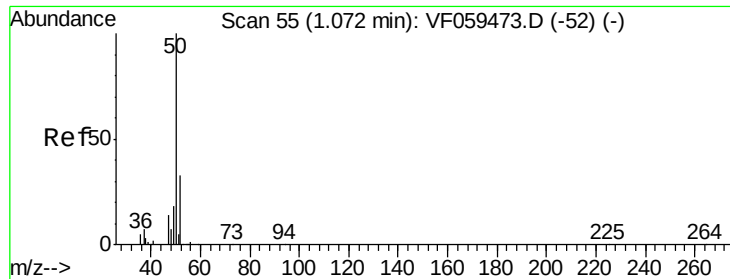
87 30.5 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 21.90 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 30490

Ion Ratio Lower Upper

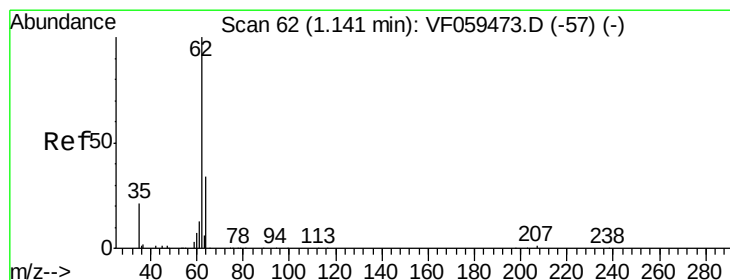
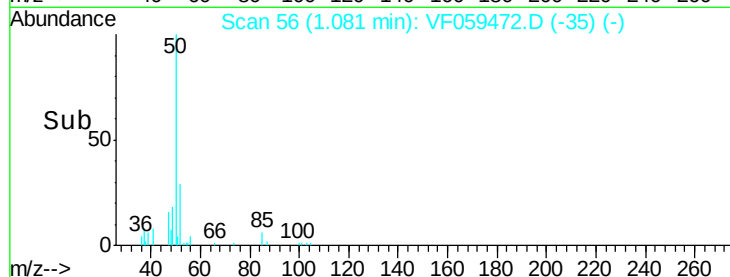
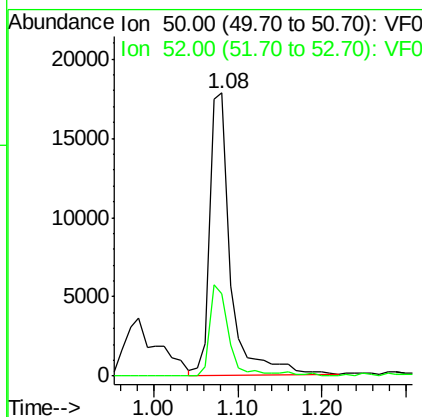
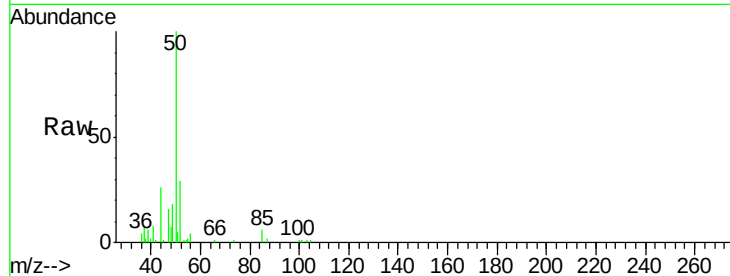
50 100

52 29.2 25.9 38.9

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#4

Vinyl Chloride

Concen: 24.02 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059472.D

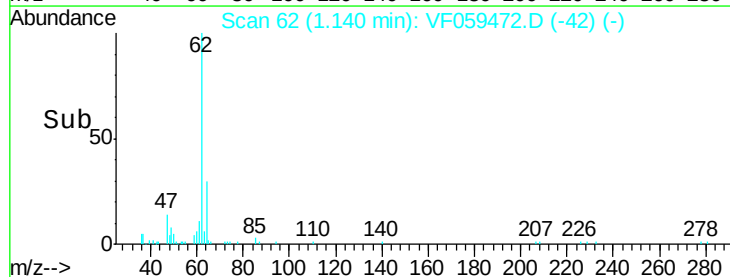
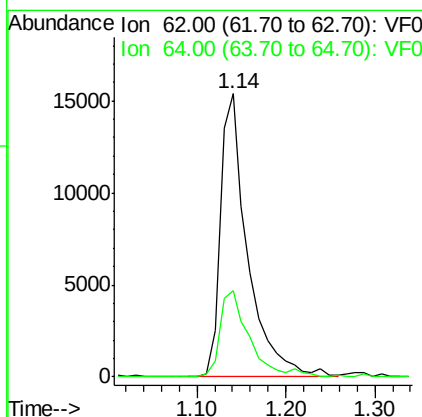
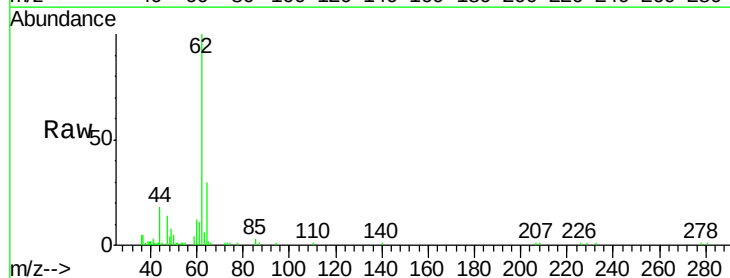
Acq: 7 Jul 2018 3:00

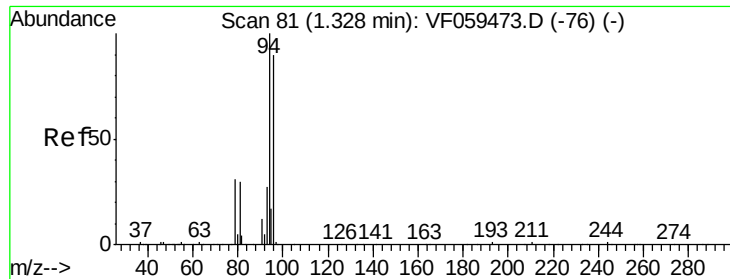
Tgt Ion: 62 Resp: 32968

Ion Ratio Lower Upper

62 100

64 30.4 27.3 40.9





#5

Bromomethane

Concen: 31.37 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 29430

Ion Ratio Lower Upper

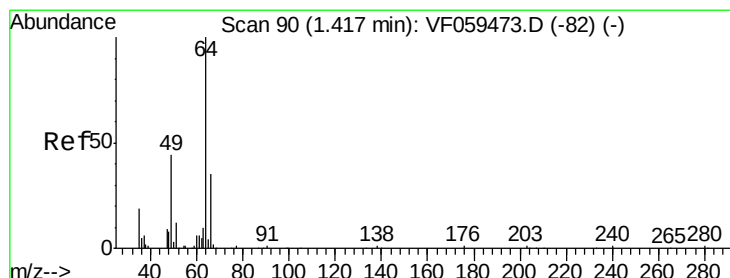
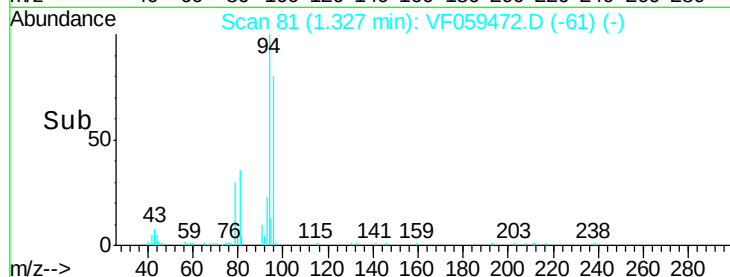
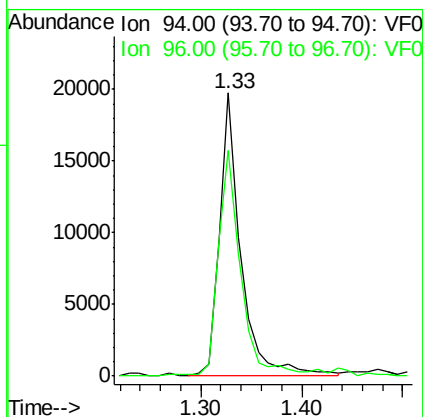
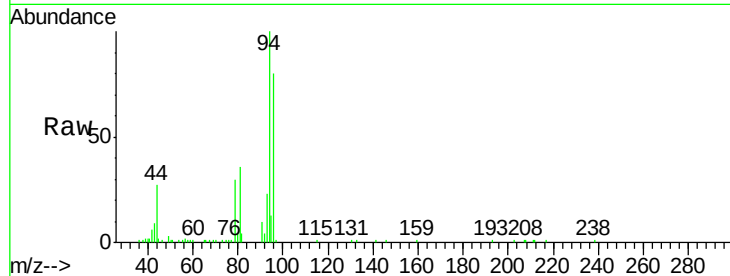
94 100

96 79.9 72.0 108.0

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7/9/2018 9:34:19 AM



#6

Chloroethane

Concen: 26.26 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF059472.D

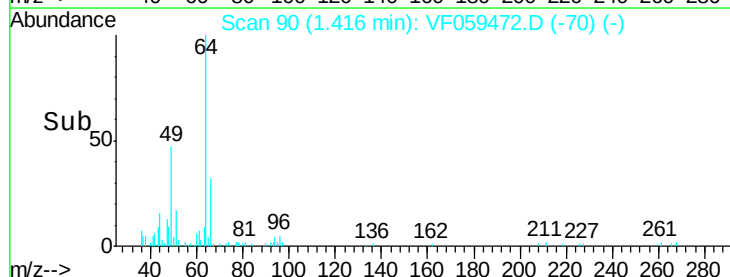
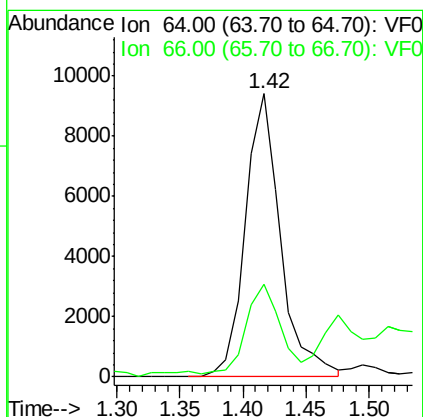
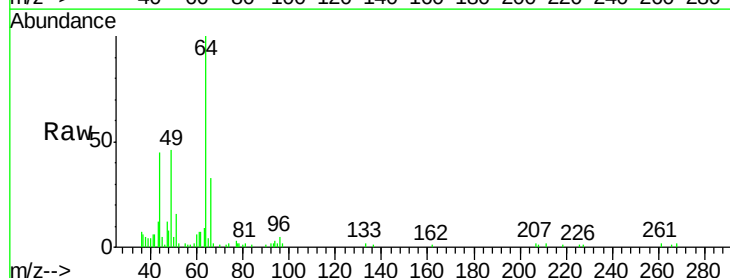
Acq: 7 Jul 2018 3:00

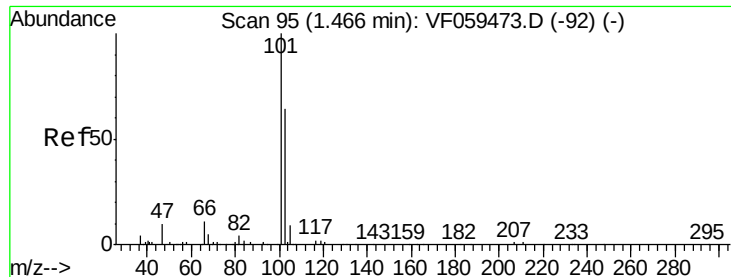
Tgt Ion: 64 Resp: 18275

Ion Ratio Lower Upper

64 100

66 32.8 28.1 42.1





#7

Trichlorofluoromethane

Concen: 25.00 ug/l m

RT: 1.48 min Scan# 96

Delta R.T. 0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

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Tot Ion:101 Resp: 70524

Ion Ratio Lower Upper

101 100

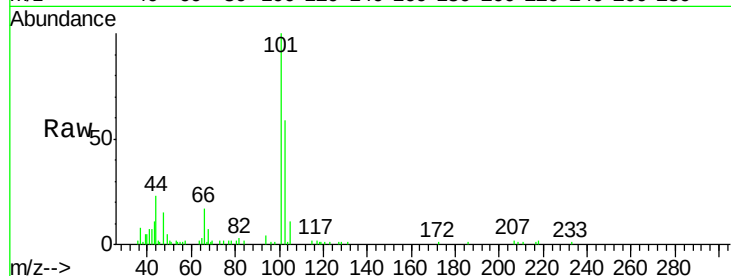
103 59.0 51.2 76.8

Manual Integrations

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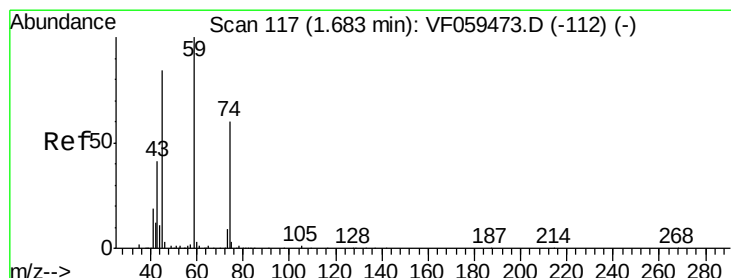
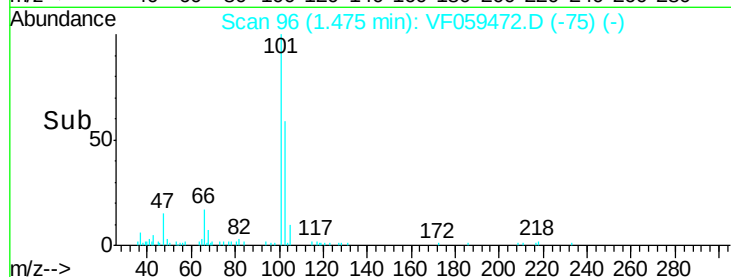
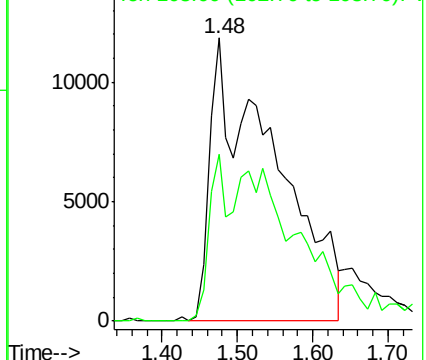
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.65 ug/l

RT: 1.69 min Scan# 118

Delta R.T. 0.01 min

Lab File: VF059472.D

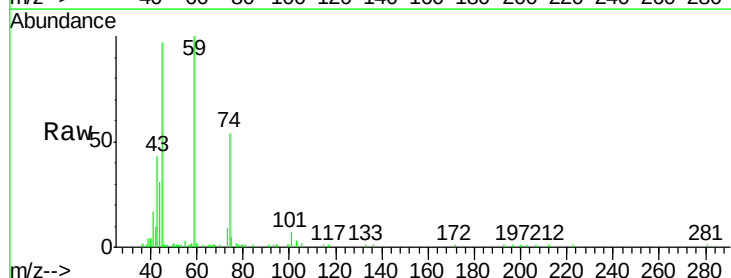
Acq: 7 Jul 2018 3:00

Tgt Ion: 74 Resp: 13589

Ion Ratio Lower Upper

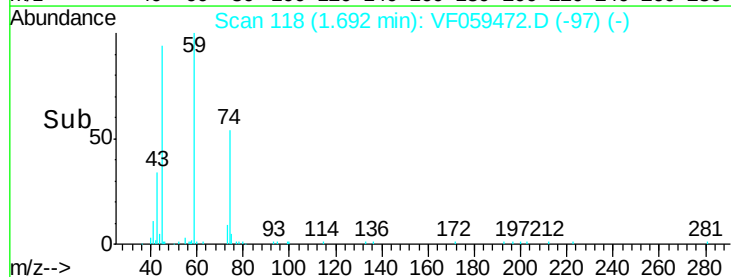
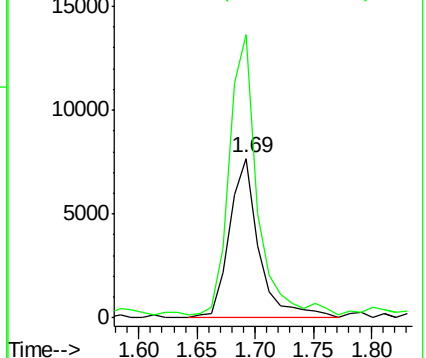
74 100

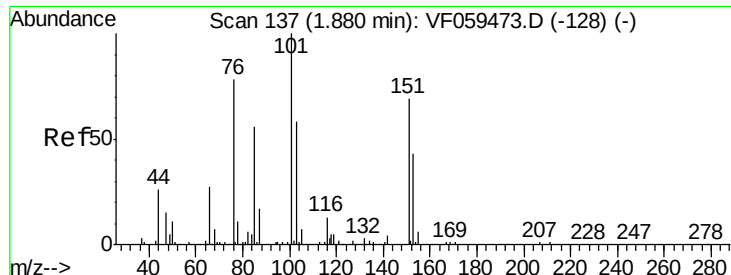
45 177.2 71.1 213.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.06 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

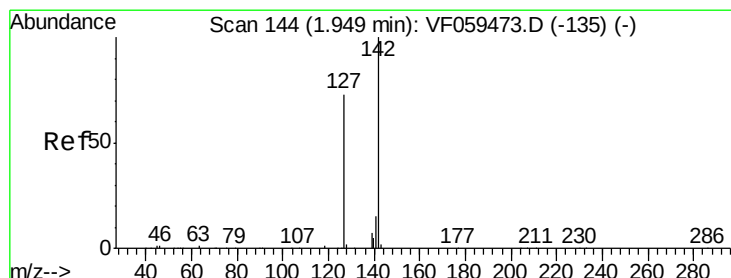
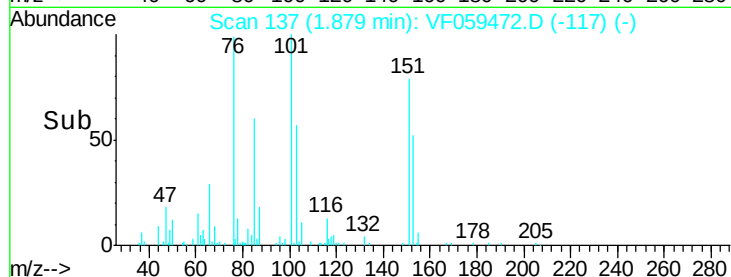
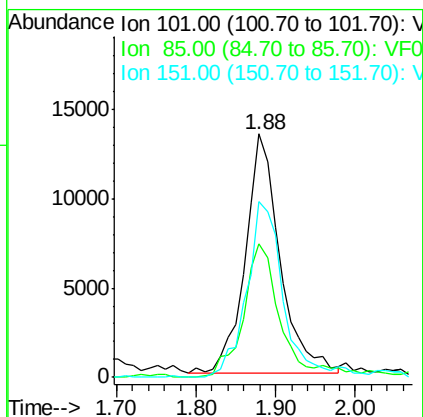
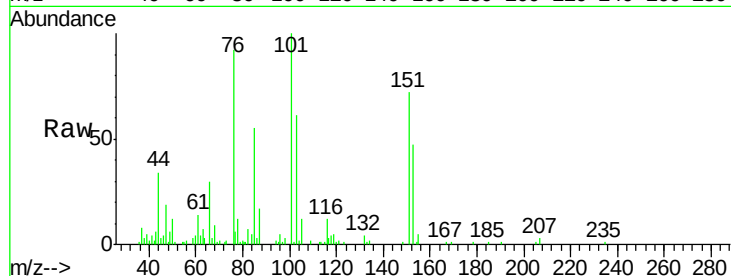
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	40338
Ion Ratio	Lower	Upper	
101	100		
85	54.9	43.8	65.8
151	72.1	54.2	81.4

Manual Integrations
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#10

Methyl Iodide

Concen: 25.17 ug/l

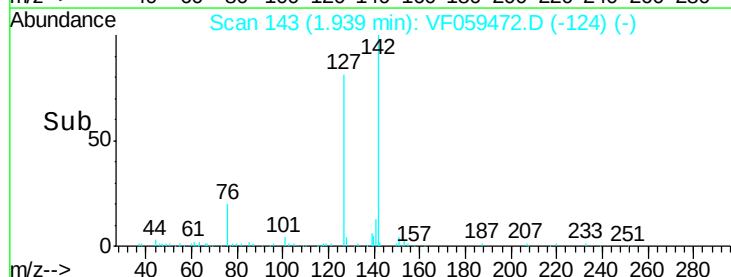
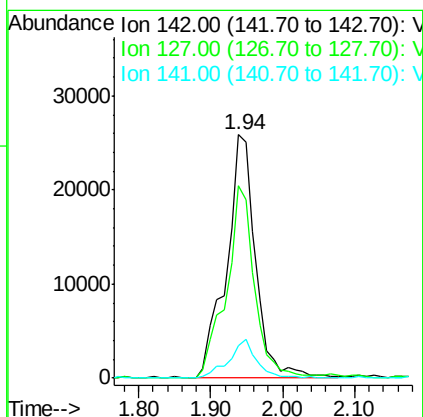
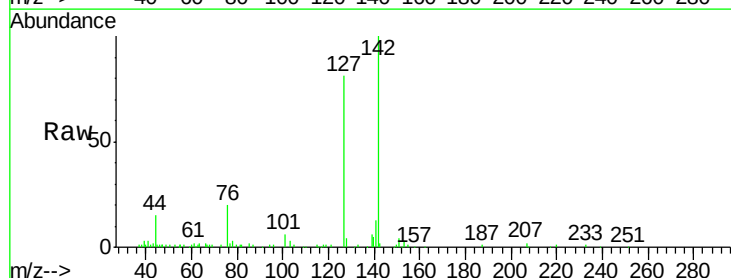
RT: 1.94 min Scan# 143

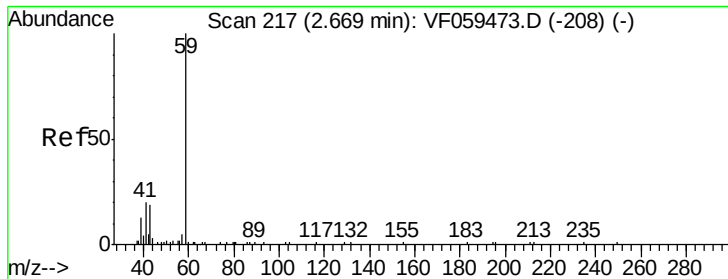
Delta R.T. -0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion:	142	Resp:	73350
Ion Ratio	Lower	Upper	
142	100		
127	79.2	58.2	87.2
141	13.1	11.7	17.5





#11

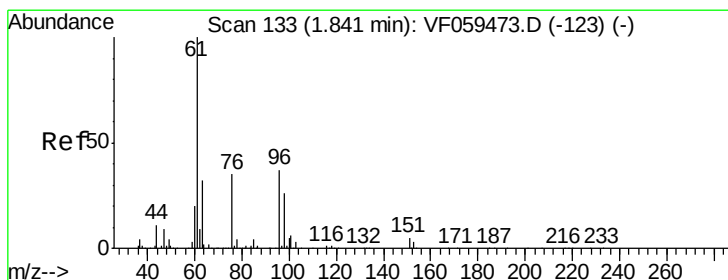
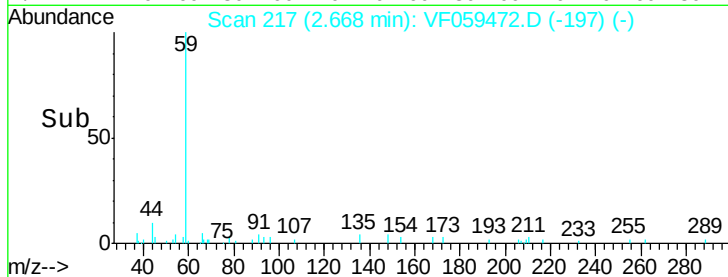
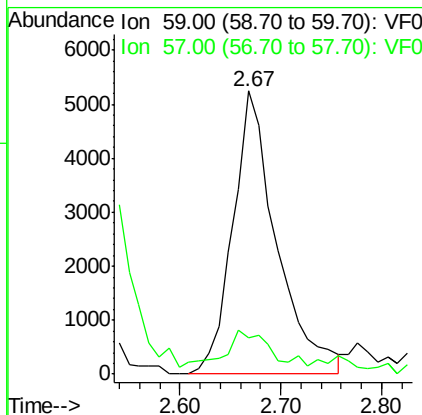
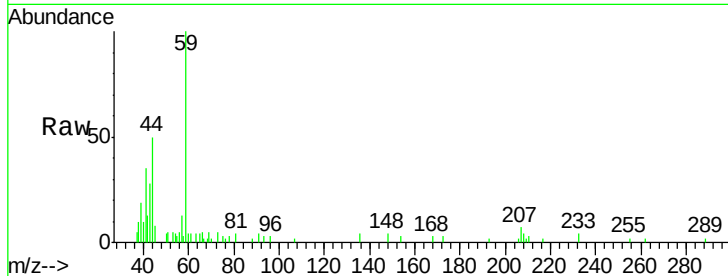
Tert butyl alcohol
 Concen: 83.81 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.00 min
 Lab File: VF059472.D
 Acq: 7 Jul 2018 3:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.6	7.8	11.8#

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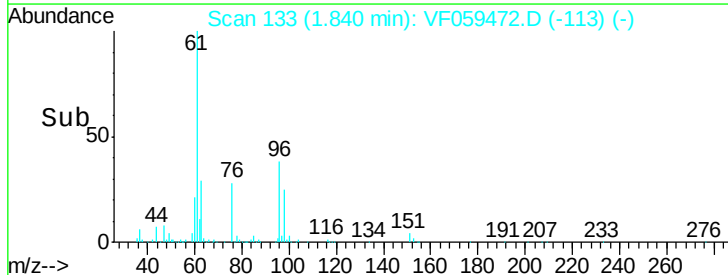
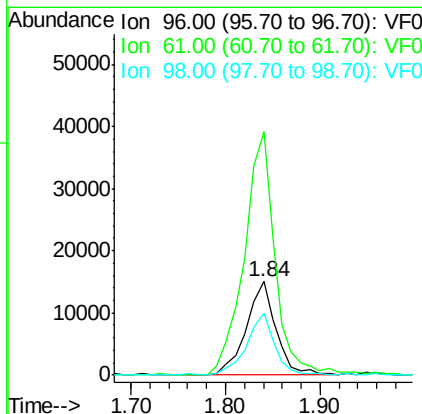
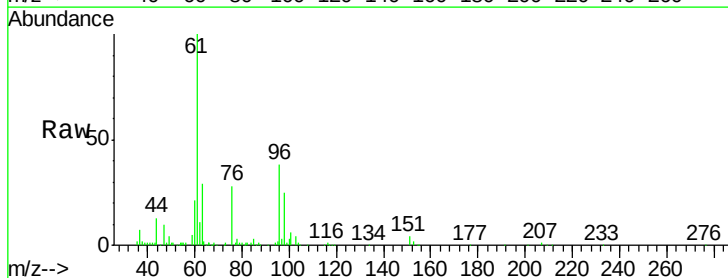
apatel
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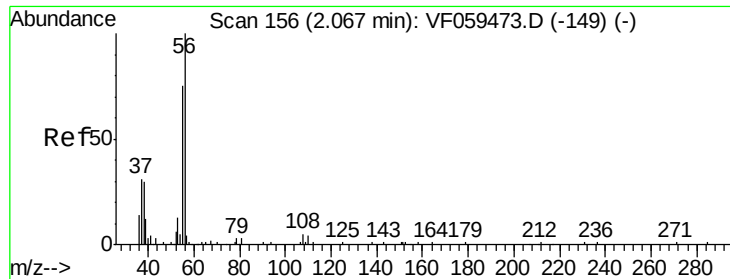


#12

1,1-Dichloroethene
 Concen: 24.26 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VF059472.D
 Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	260.2	214.4	321.6
98	66.2	55.6	83.4





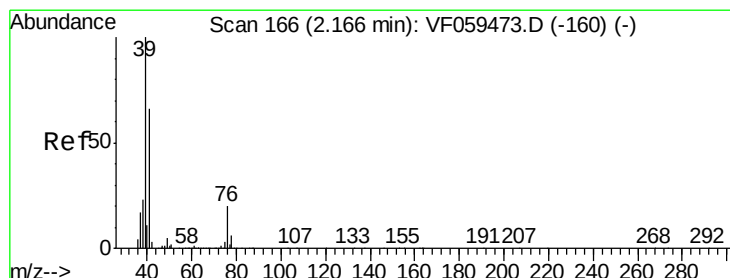
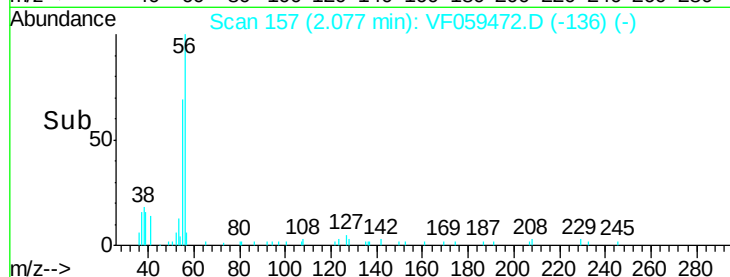
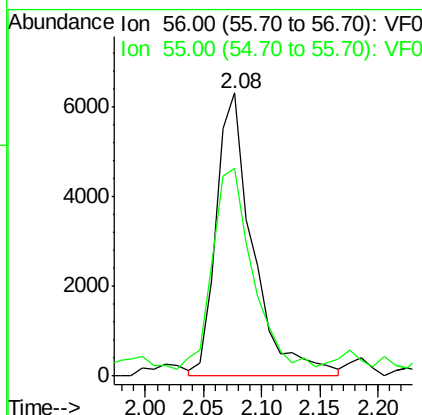
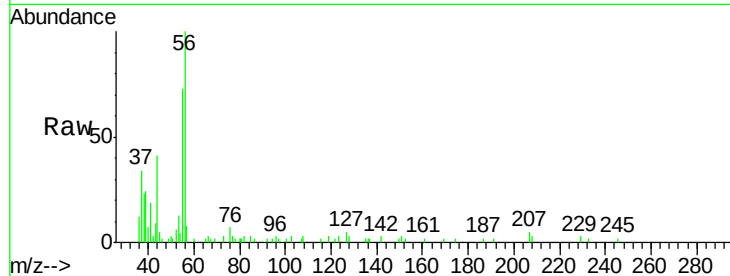
#13
Acrolein
Concen: 122.33 ug/l
RT: 2.08 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	13770
Ion Ratio	100	Lower	Upper
55	73.3	61.2	91.8

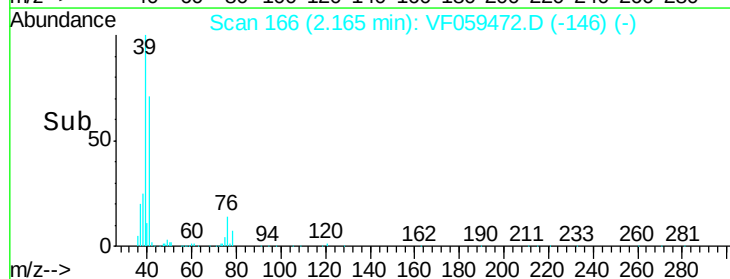
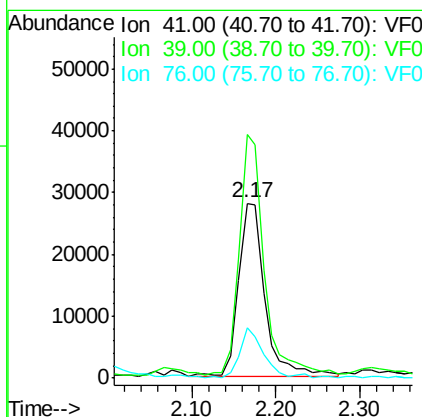
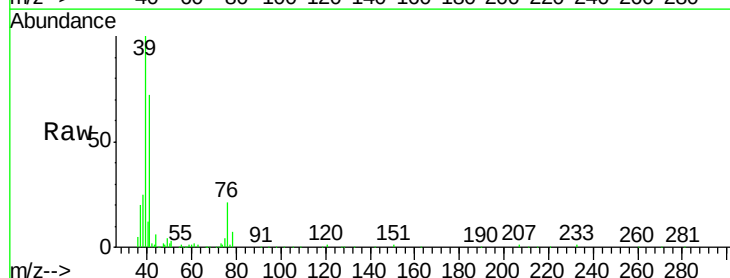
Manual Integrations
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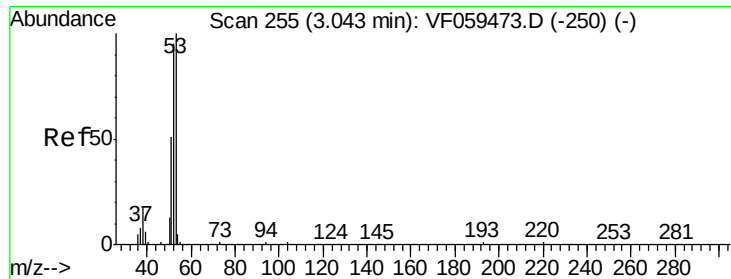
apatel
7/9/2018 9:34:19 AM



#14
Allyl chloride
Concen: 24.18 ug/l
RT: 2.17 min Scan# 166
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	41	Resp	60232
Ion Ratio	100	Lower	Upper
39	139.2	120.7	181.1
76	29.1	24.0	36.0





#15

Acrylonitrile

Concen: 88.96 ug/l

RT: 3.05 min Scan# 256

Delta R.T. 0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

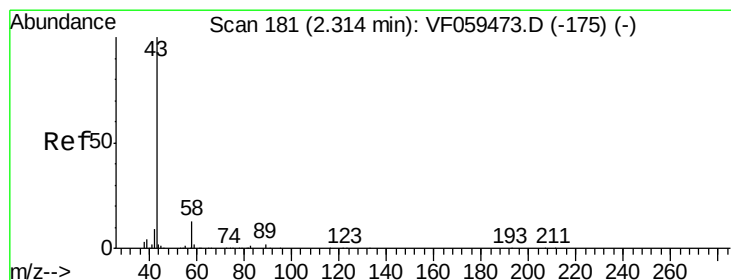
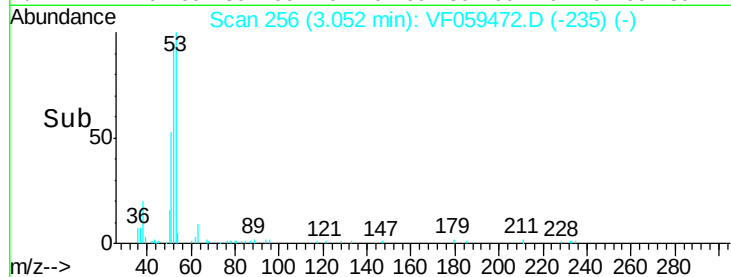
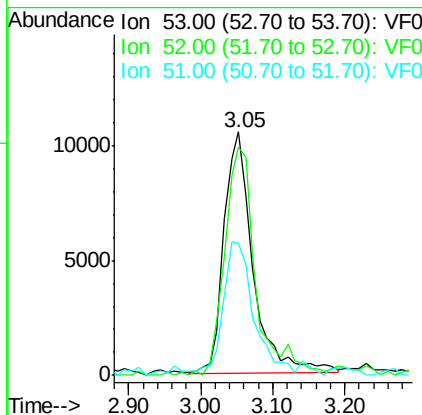
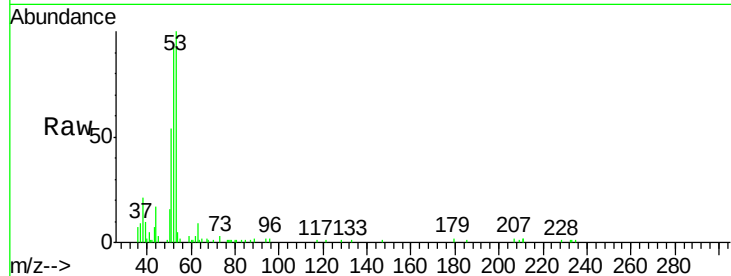
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	29470
Ion	Ratio	Lower	Upper
53	100		
52	93.9	76.8	115.2
51	54.3	41.8	62.8

Manual Integrations
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#16

Acetone

Concen: 74.68 ug/l

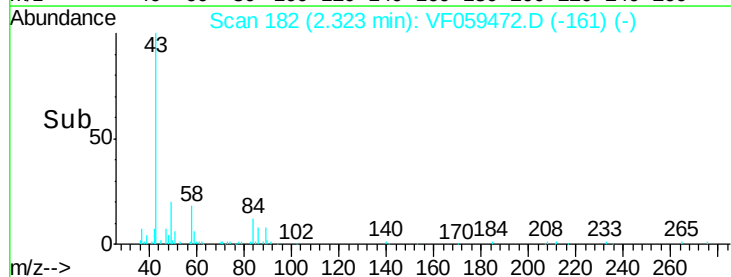
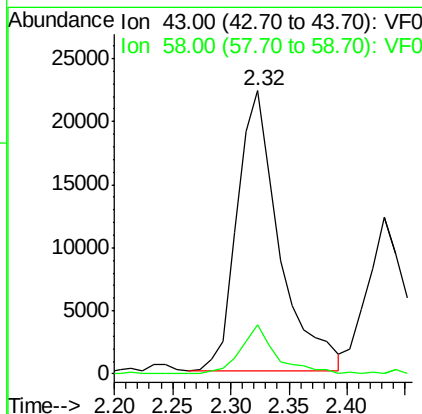
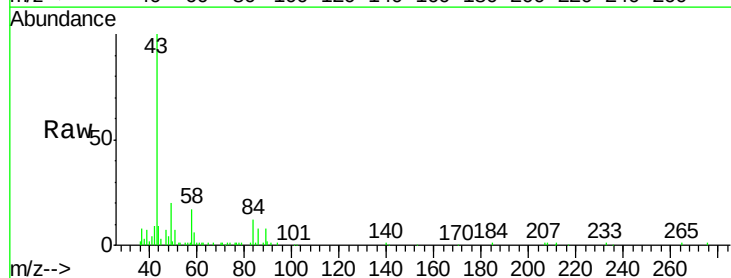
RT: 2.32 min Scan# 182

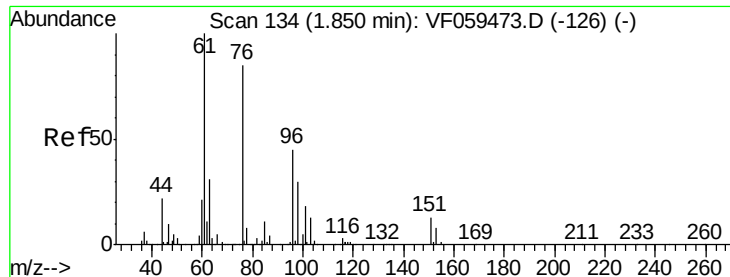
Delta R.T. 0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion:	43	Resp:	56079
Ion	Ratio	Lower	Upper
43	100		
58	17.2	10.5	15.7#





#17

Carbon Disulfide

Concen: 27.79 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tot Ion: 76 Resp: 90568

Ion Ratio Lower Upper

76 100

78 11.1 8.0 12.0

Instrument :

MSVOA_F

ClientSampleId :

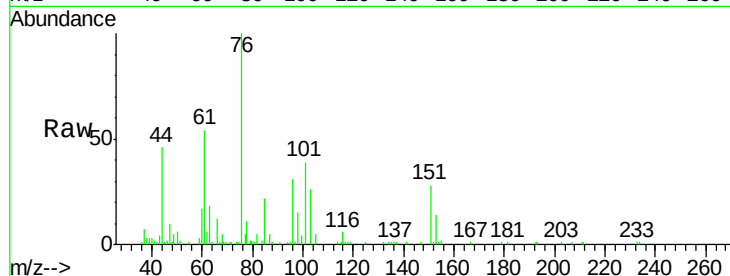
VSTDIC020

Manual Integrations

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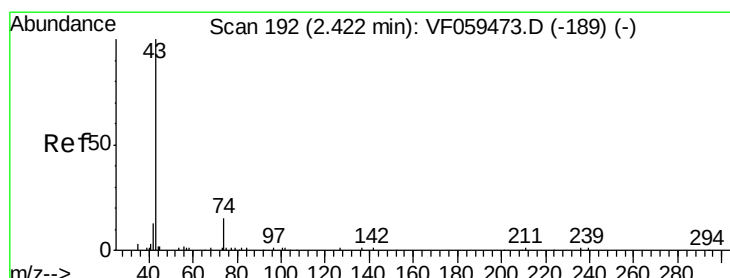
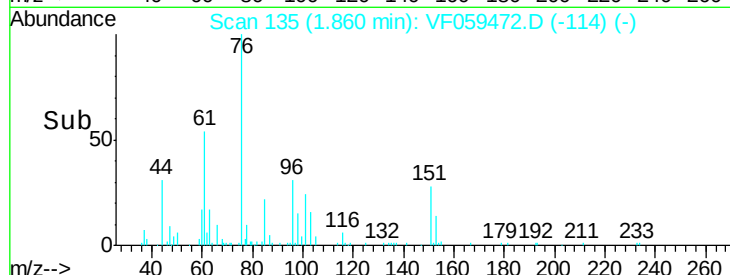
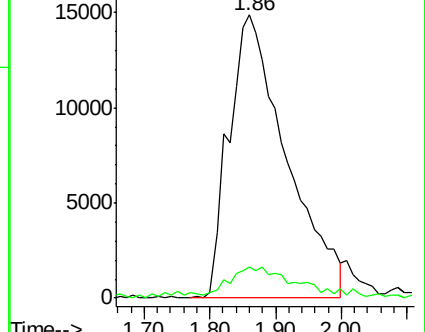
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 18.52 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF059472.D

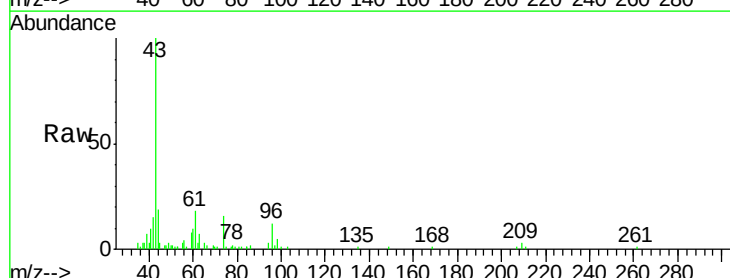
Acq: 7 Jul 2018 3:00

Tgt Ion: 43 Resp: 27516

Ion Ratio Lower Upper

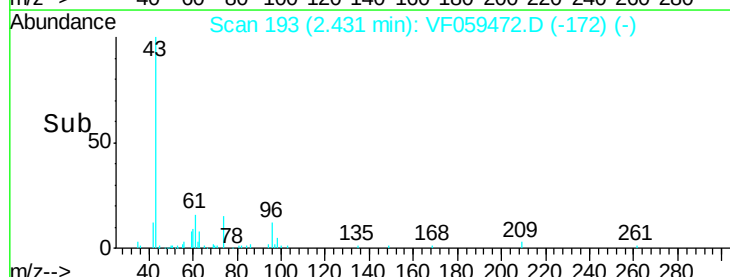
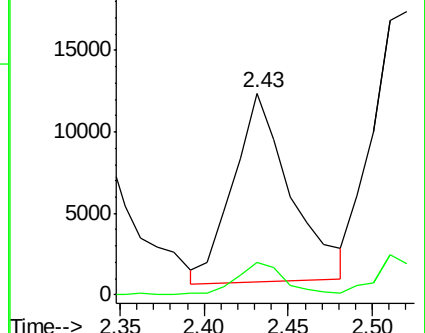
43 100

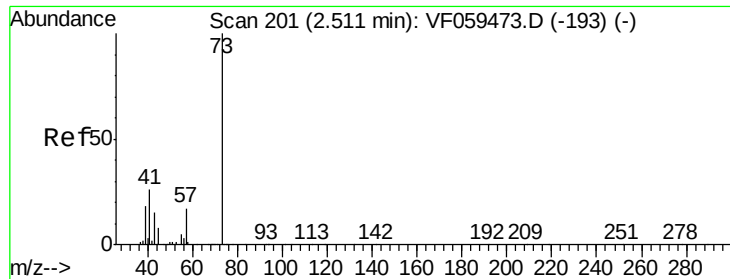
74 16.0 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





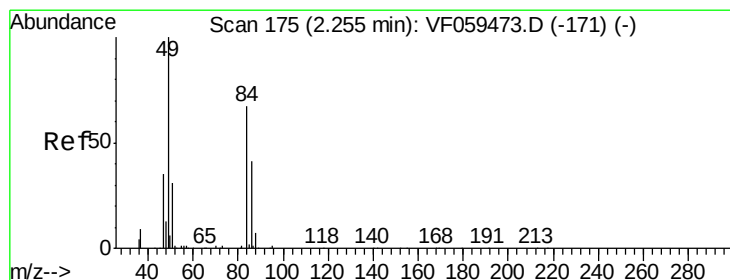
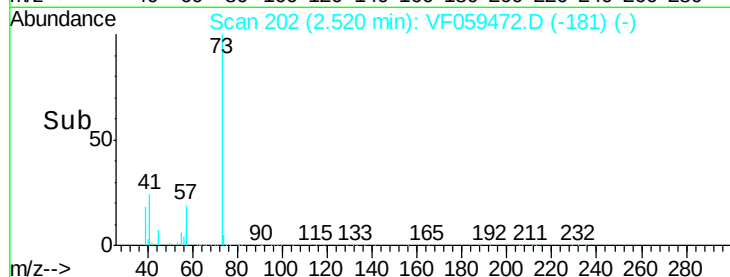
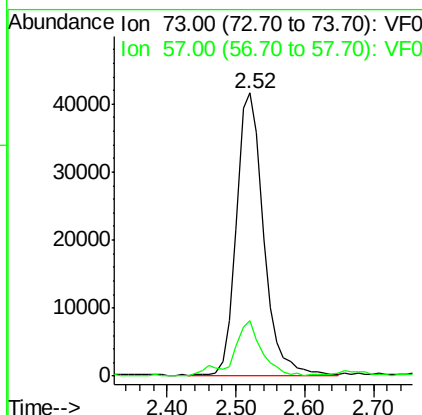
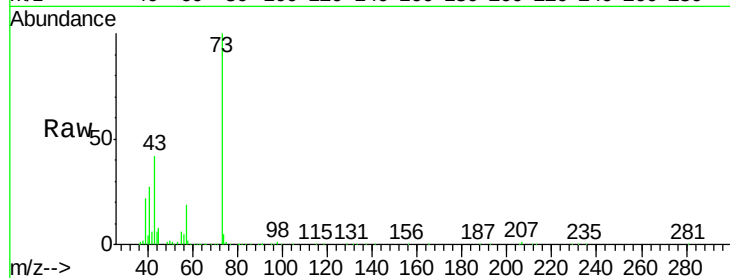
#19
Methyl tert-butyl Ether
Concen: 23.15 ug/l
RT: 2.52 min Scan# 202
Delta R.T. 0.01 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	13.7	20.5

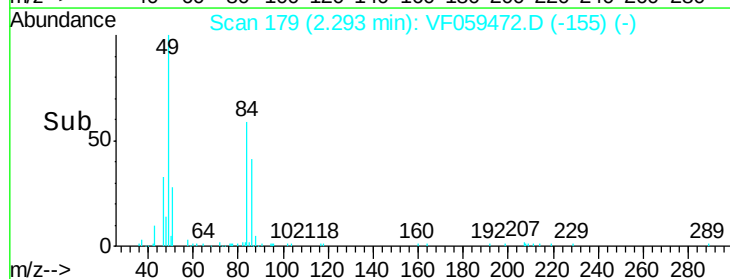
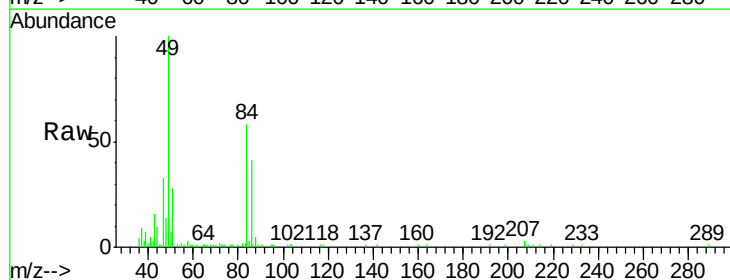
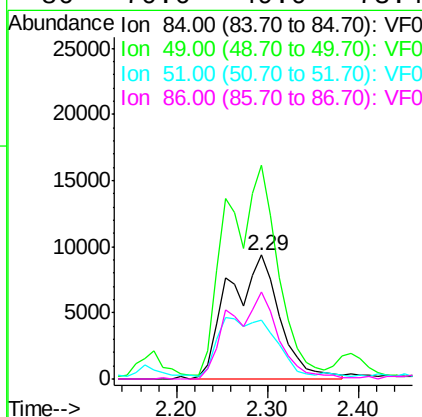
Manual Integrations
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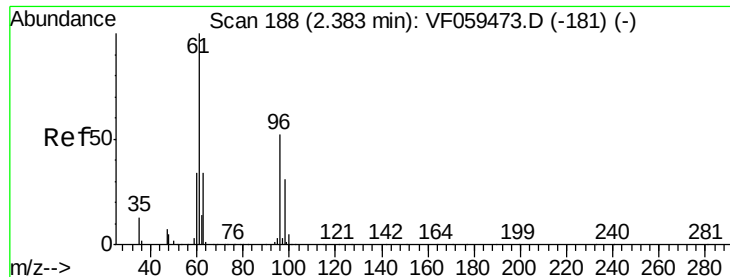
apatel
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#20
Methylene Chloride
Concen: 16.97 ug/l m
RT: 2.29 min Scan# 179
Delta R.T. 0.04 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	172.7	120.4	180.6
51	48.1	38.1	57.1
86	70.6	49.0	73.4





#21

trans-1,2-Dichloroethene

Concen: 25.61 ug/l

RT: 2.39 min Scan# 189

Delta R.T. 0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

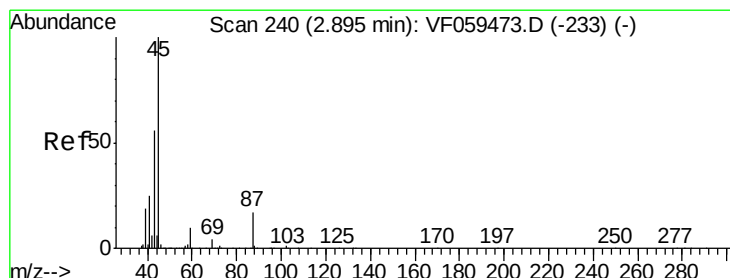
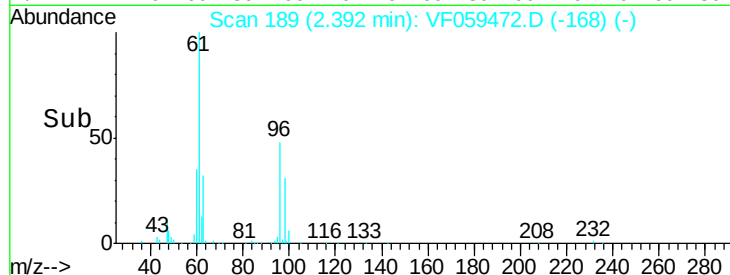
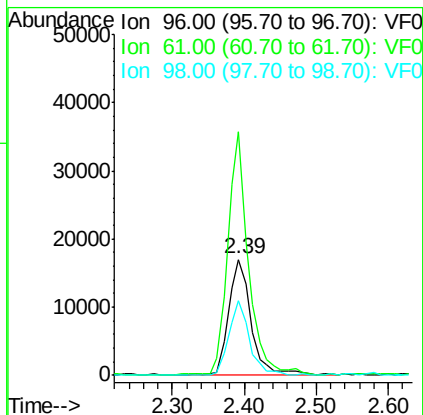
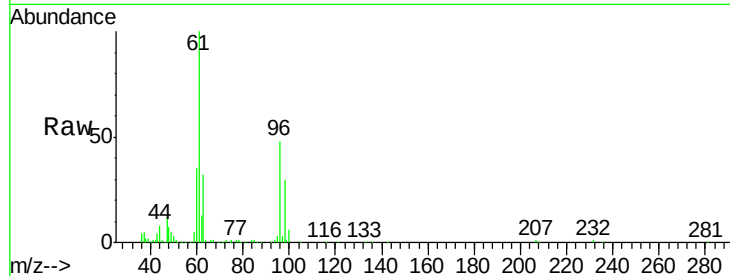
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	37165
Ion	Ratio	Lower	Upper
96	100		
61	209.6	154.3	231.5
98	63.8	48.2	72.4

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#22

Diisopropyl ether

Concen: 23.37 ug/l

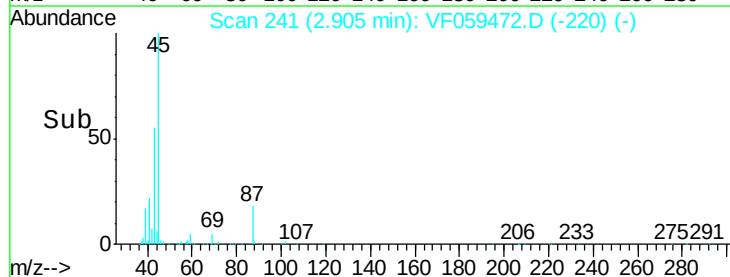
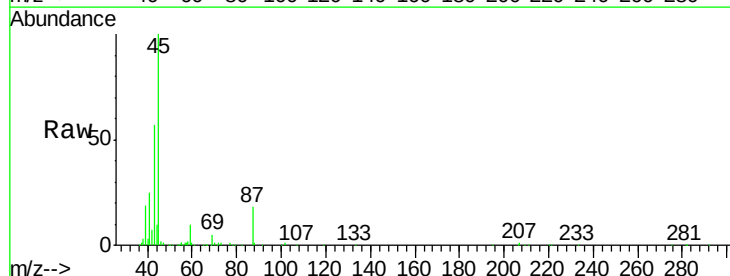
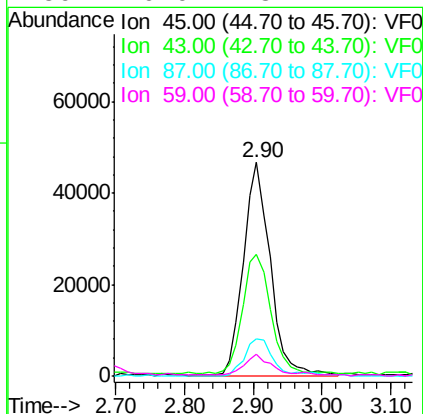
RT: 2.90 min Scan# 241

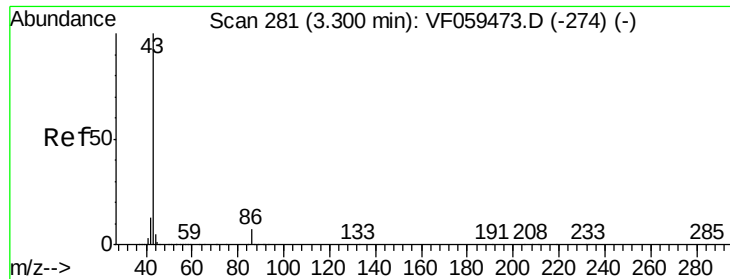
Delta R.T. 0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion:	45	Resp:	127646
Ion	Ratio	Lower	Upper
45	100		
43	56.8	45.4	68.2
87	17.6	13.5	20.3
59	10.0	8.2	12.4





#23

Vinyl Acetate

Concen: 106.94 ug/l

RT: 3.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 368918

Ion Ratio Lower Upper

43 100

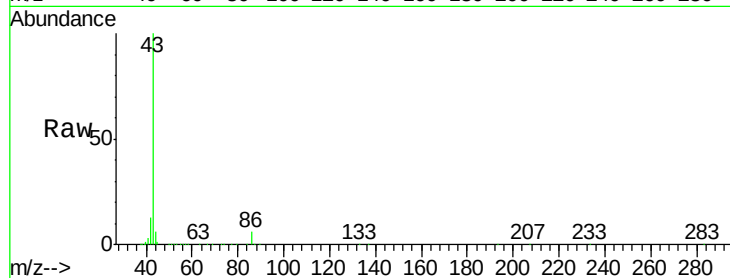
86 5.7 5.3 7.9

Manual Integrations

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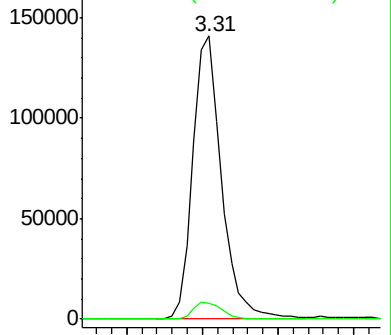
apatel

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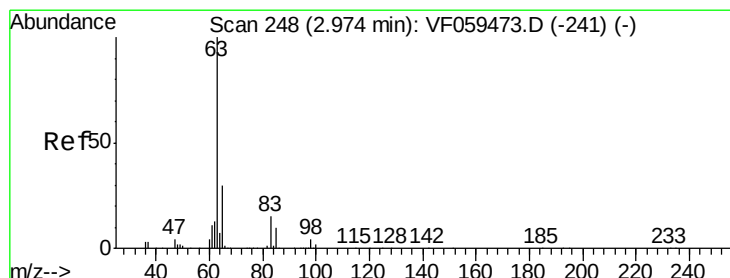
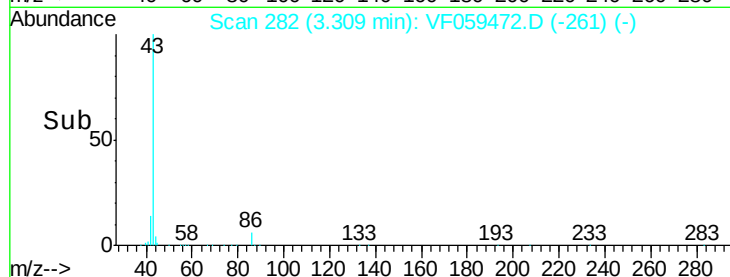


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 25.45 ug/l

RT: 2.97 min Scan# 248

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

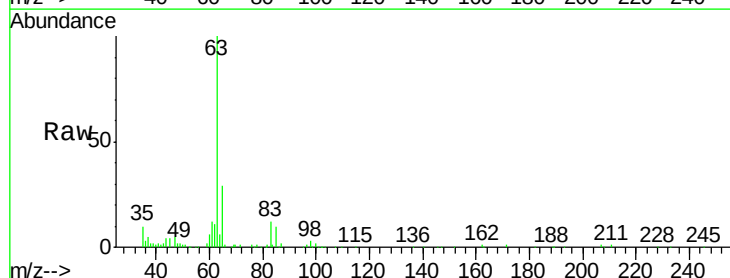
Tgt Ion: 63 Resp: 88019

Ion Ratio Lower Upper

63 100

98 3.4 1.8 5.5

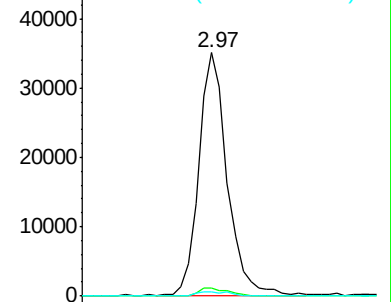
100 1.9 1.1 3.3



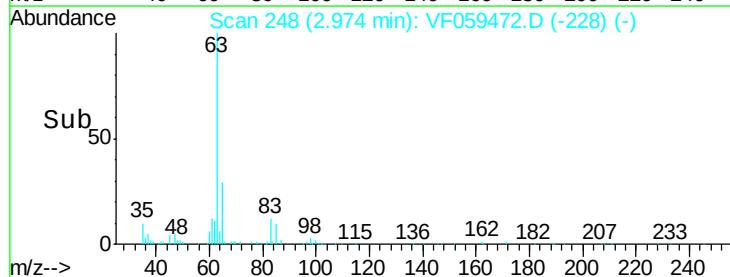
Abundance Ion 63.00 (62.70 to 63.70): VF0

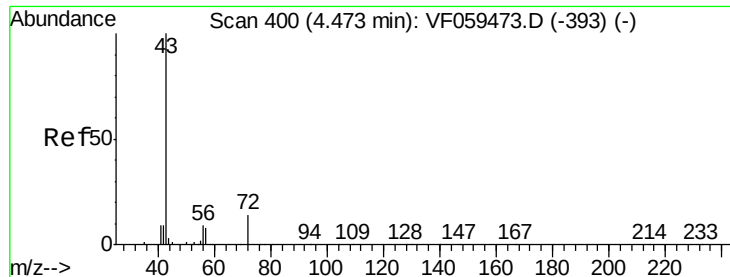
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#25

2-Butanone

Concen: 86.46 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 78234

Ion Ratio Lower Upper

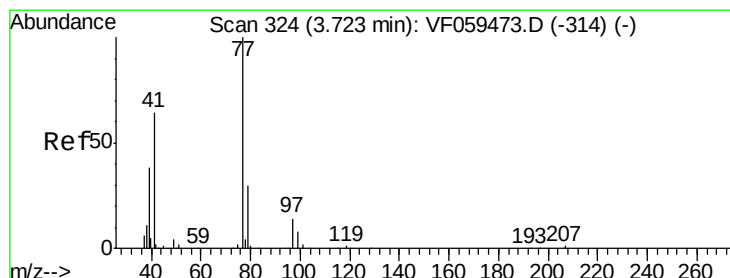
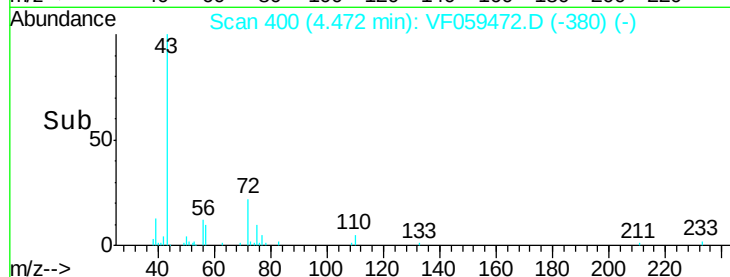
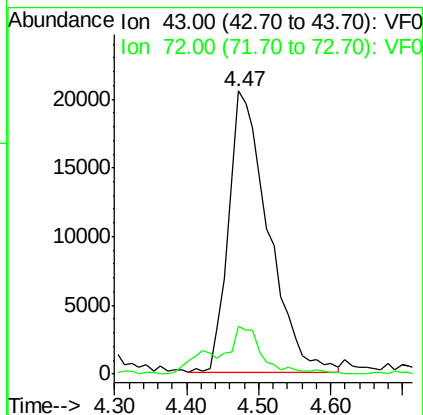
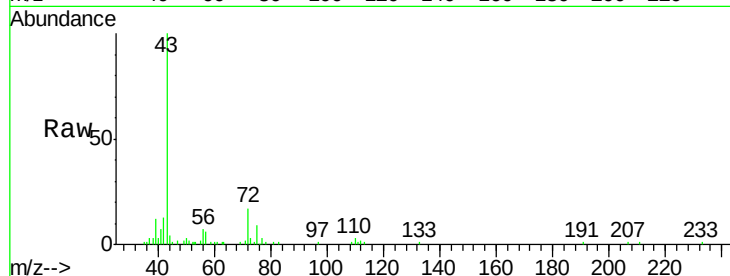
43 100

72 16.8 13.8 20.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 21.80 ug/l

RT: 3.73 min Scan# 325

Delta R.T. 0.01 min

Lab File: VF059472.D

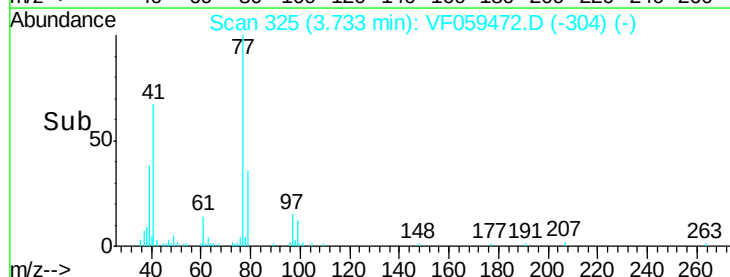
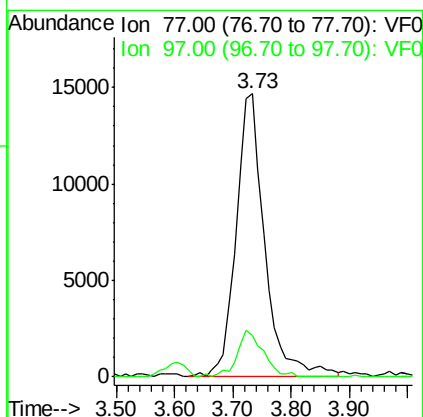
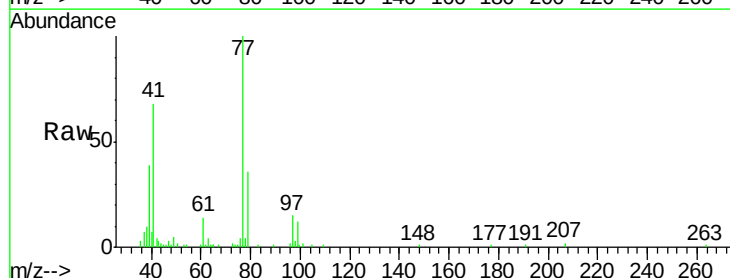
Acq: 7 Jul 2018 3:00

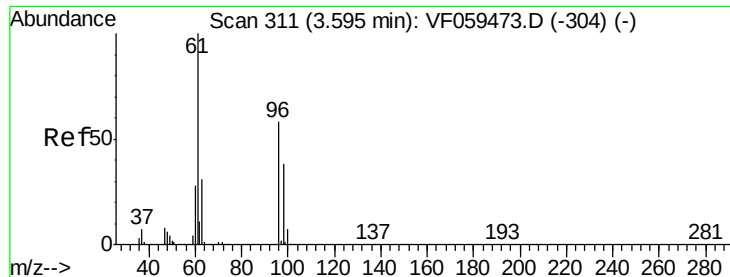
Tgt Ion: 77 Resp: 50483

Ion Ratio Lower Upper

77 100

97 14.7 7.7 23.1





#27

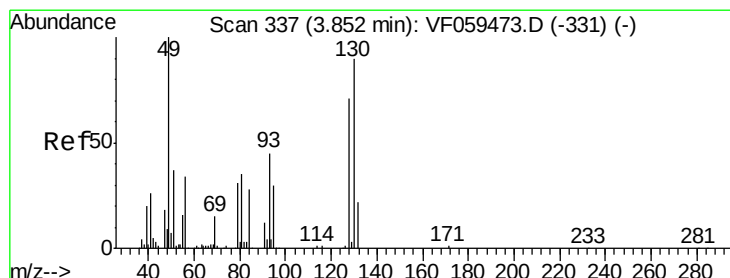
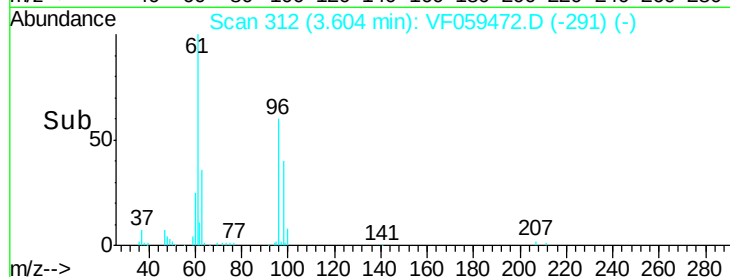
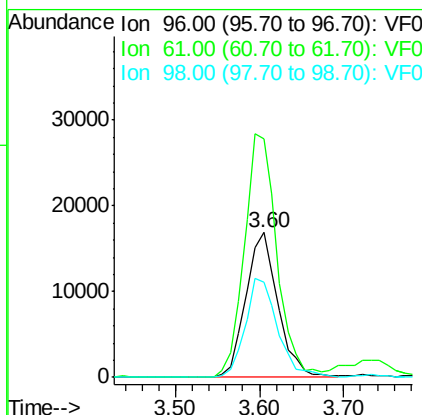
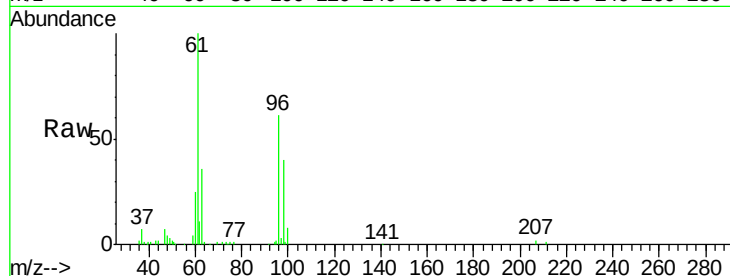
cis-1,2-Dichloroethene
Concen: 21.31 ug/l
RT: 3.60 min Scan# 312
Delta R.T. 0.01 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	45345		
61	164.2	0.0	342.0	
98	65.4	0.0	130.0	

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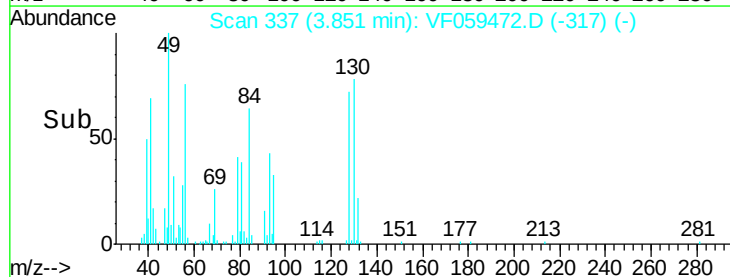
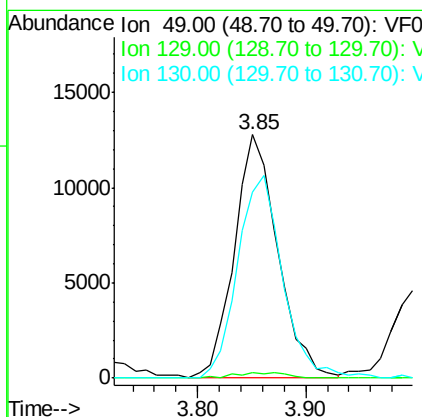
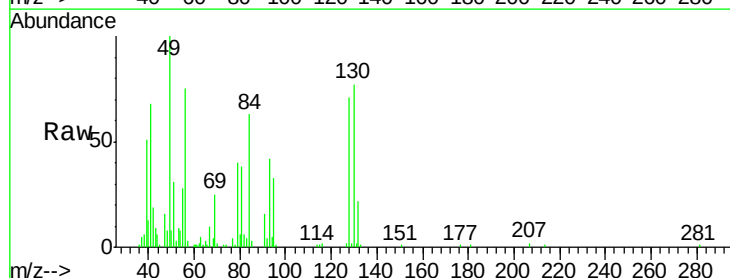
apatel
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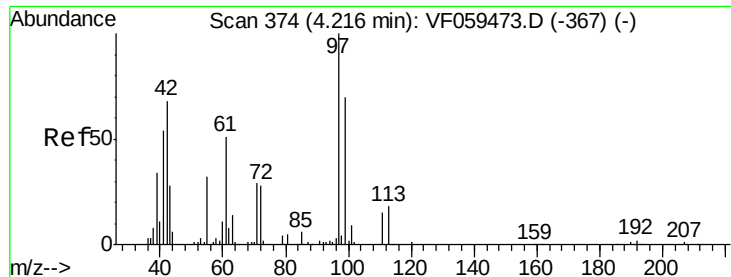


#28

Bromochloromethane
Concen: 23.87 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	35780		
129	2.2	0.0	6.2	
130	76.5	71.4	107.0	





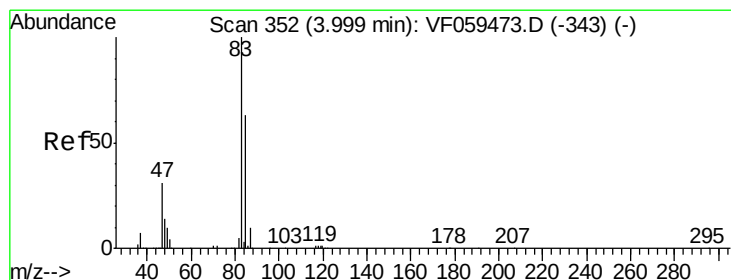
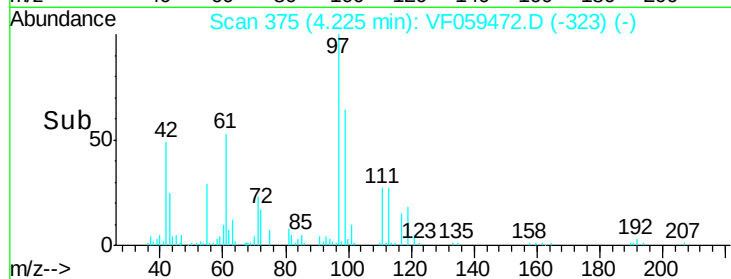
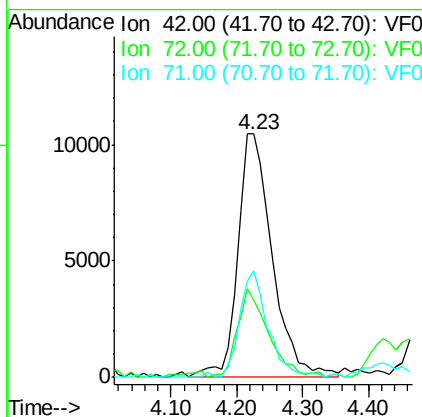
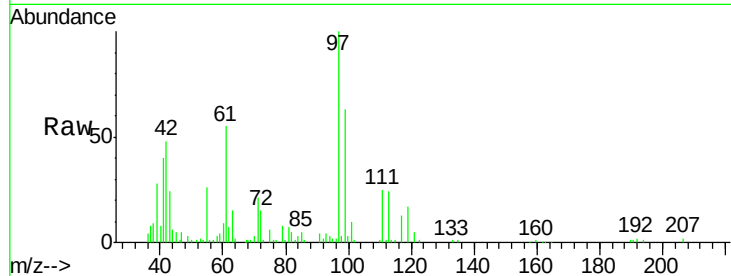
#29
Tetrahydrofuran
Concen: 96.45 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.01 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	33.6	29.2	43.8
71	36.2	30.1	45.1

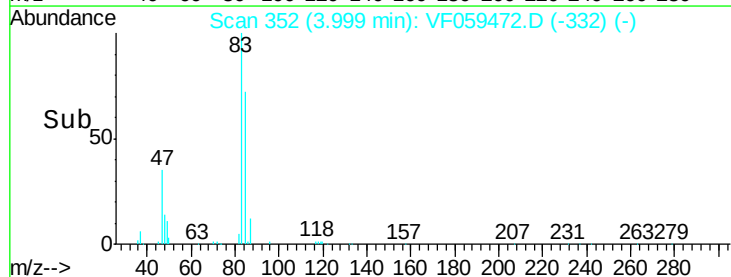
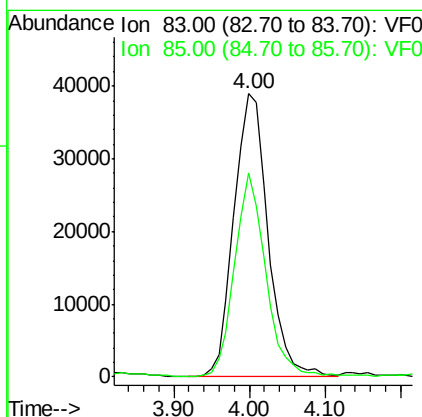
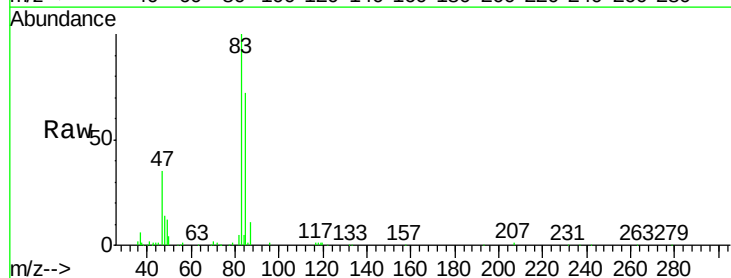
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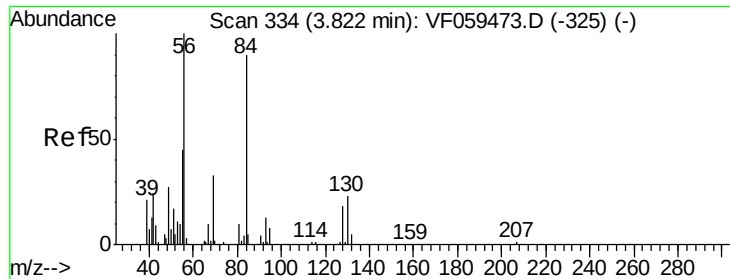
apatel
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#30
Chloroform
Concen: 24.32 ug/l
RT: 4.00 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	72.3	50.3	75.5





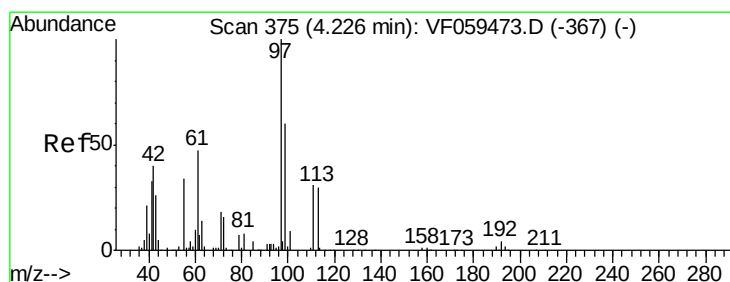
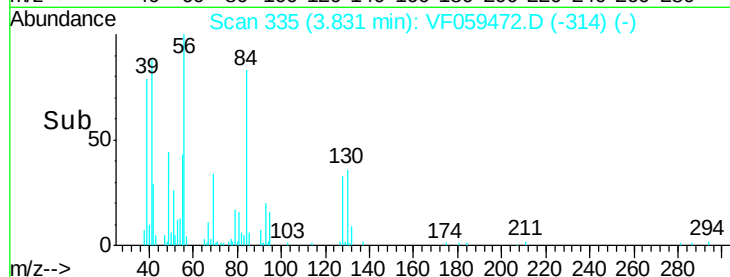
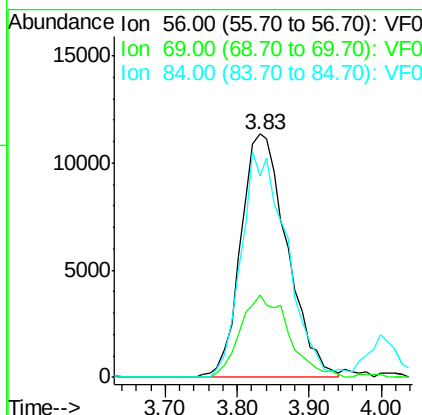
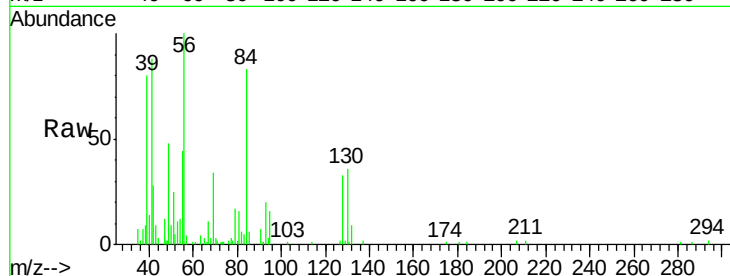
#31
Cyclohexane
Concen: 22.69 ug/l
RT: 3.83 min Scan# 335
Delta R.T. 0.01 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	26.2	39.2
84	82.5	72.3	108.5

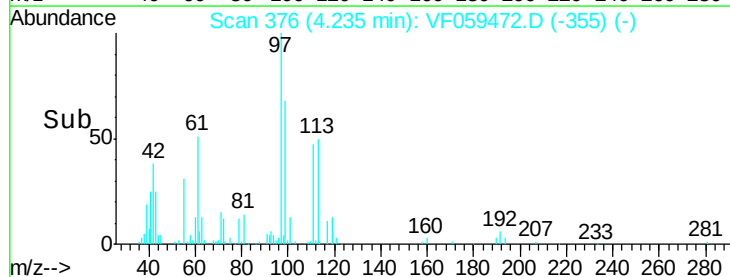
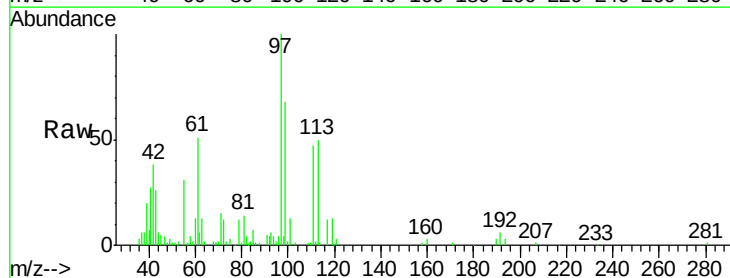
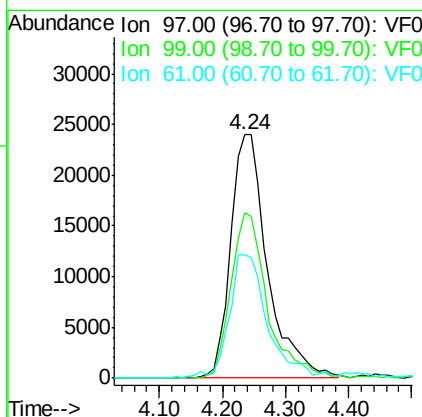
Manual Integrations
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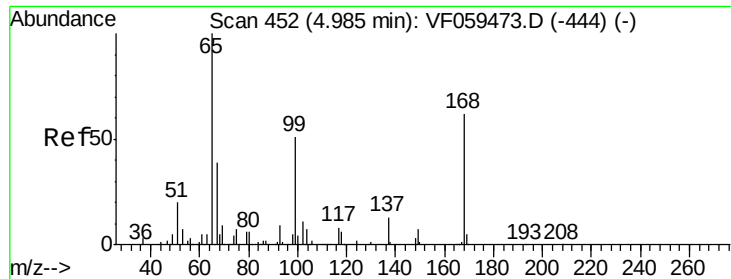
apatel
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#32
1,1,1-Trichloroethane
Concen: 26.30 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.0	47.8	71.6
61	50.9	37.9	56.9





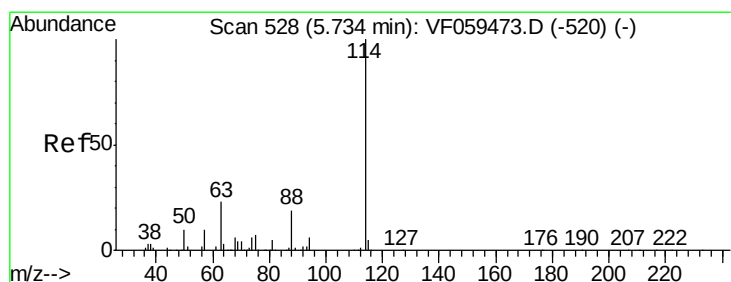
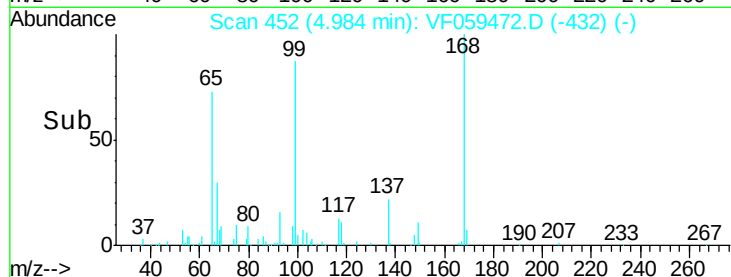
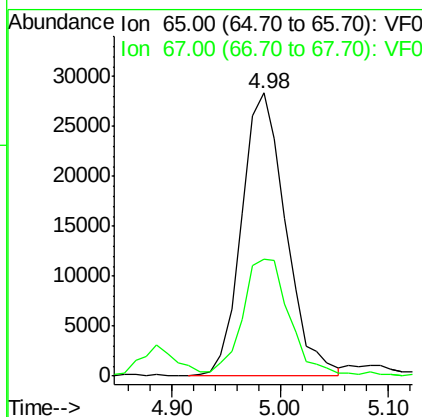
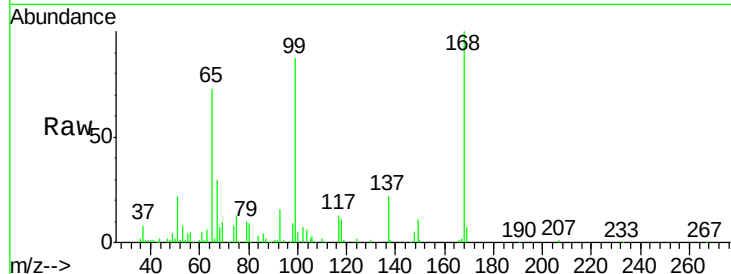
#33
 1,2-Dichloroethane-d4
 Concen: 26.35 ug/l
 RT: 4.98 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VF059472.D
 Acq: 7 Jul 2018 3:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	80448		
67	41.4	0.0	88.6	

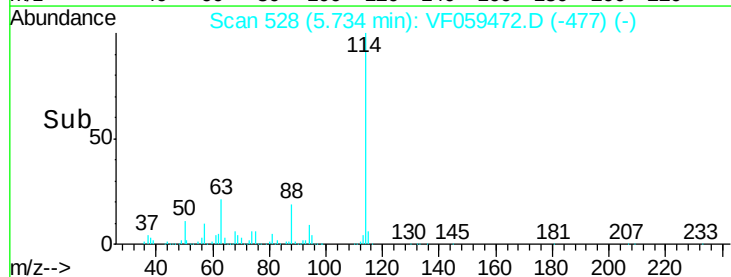
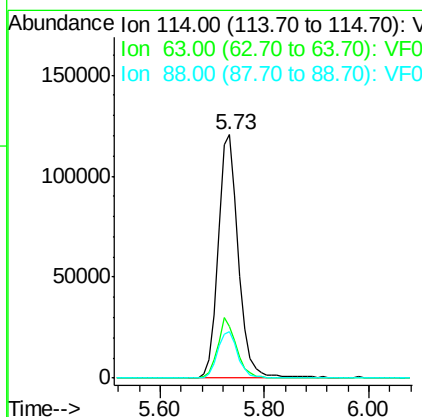
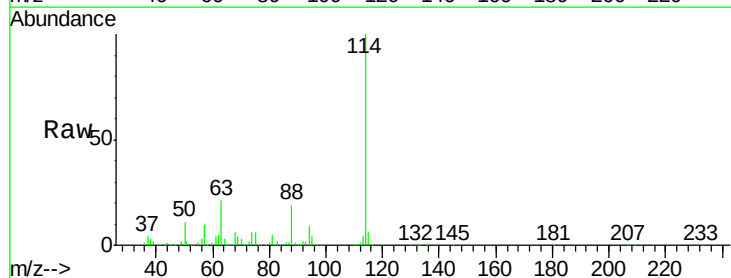
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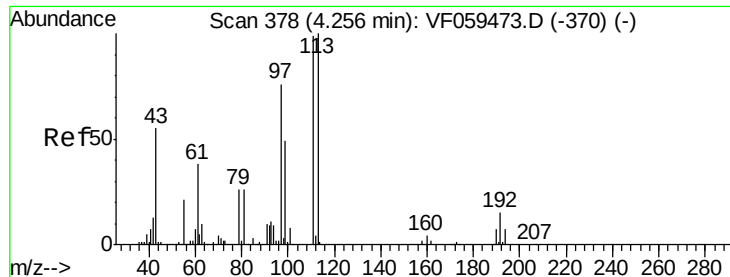
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.73 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VF059472.D
 Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	323070		
63	21.1	0.0	47.2	
88	19.2	0.0	38.0	





#35

Dibromofluoromethane

Concen: 26.33 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

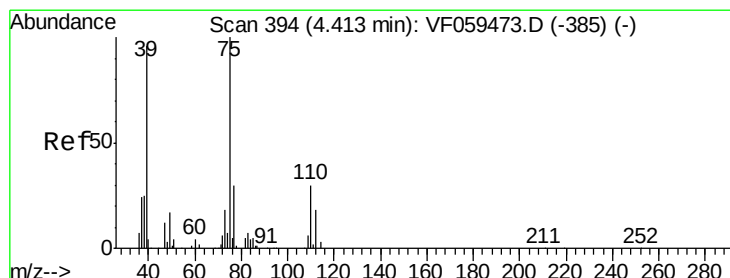
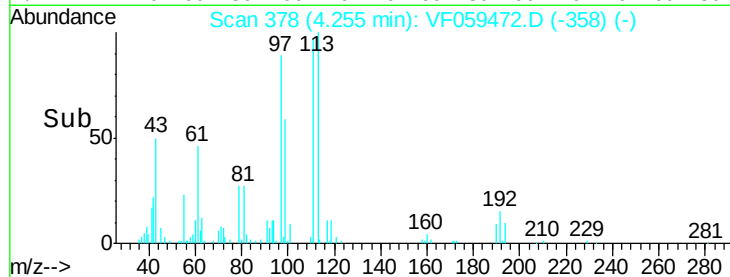
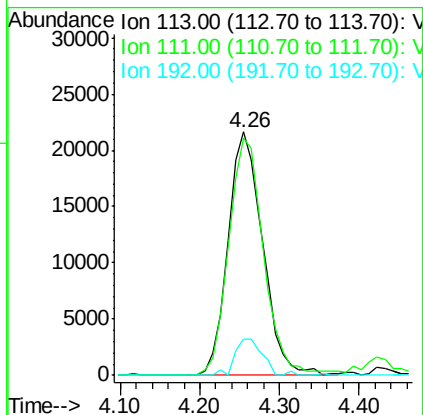
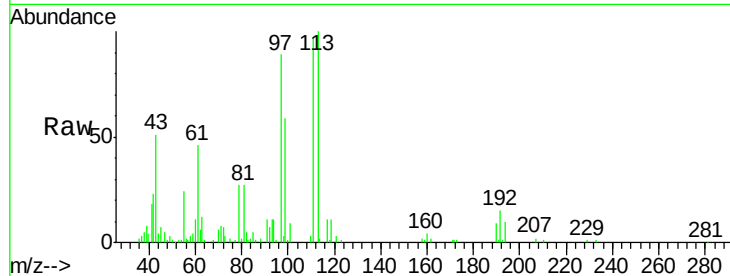
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	65593
Ion	Ratio	Lower	Upper
113	100		
111	97.2	79.3	118.9
192	15.0	12.0	18.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 24.71 ug/l

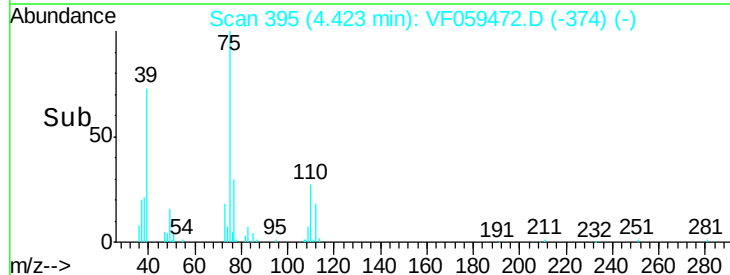
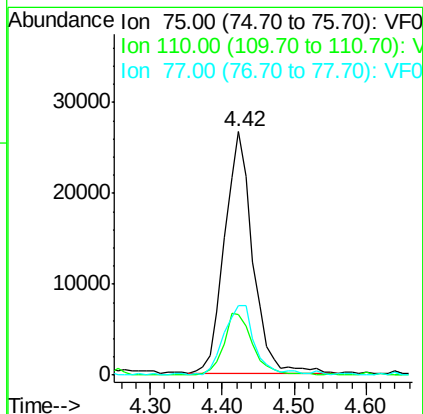
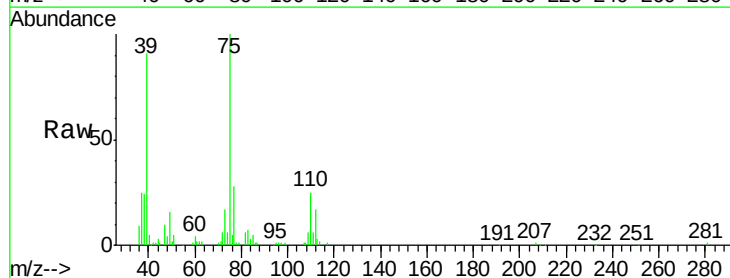
RT: 4.42 min Scan# 395

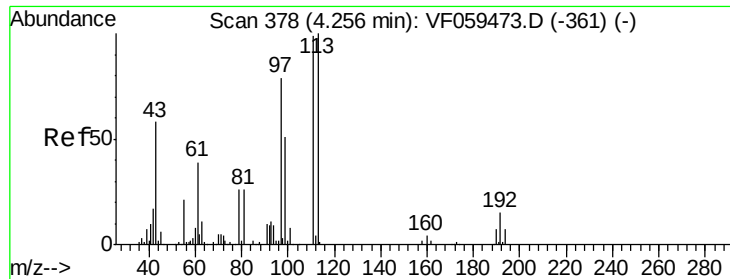
Delta R.T. 0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion:	75	Resp:	72862
Ion	Ratio	Lower	Upper
75	100		
110	24.7	15.2	45.5
77	28.3	24.2	36.2





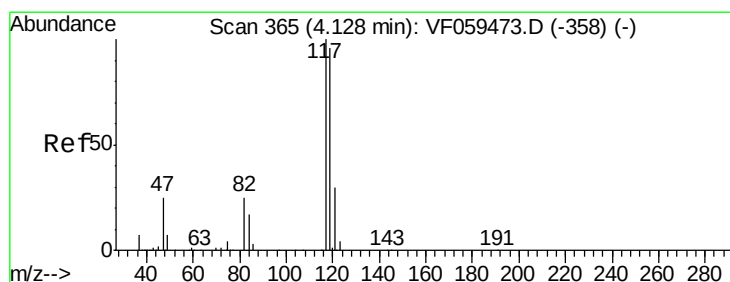
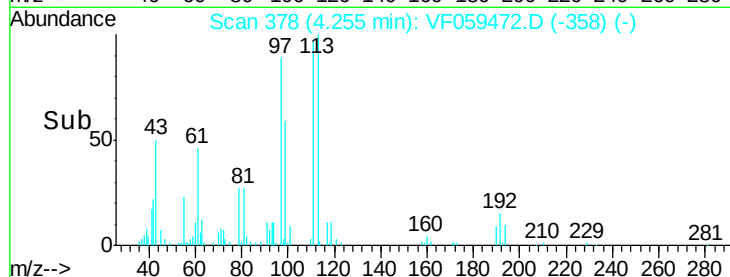
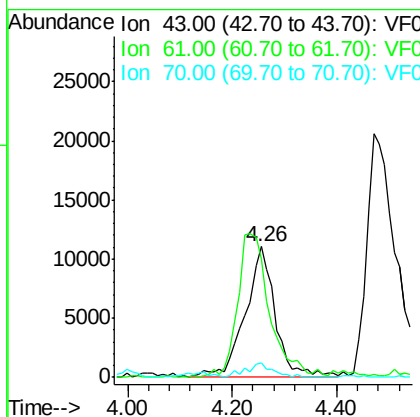
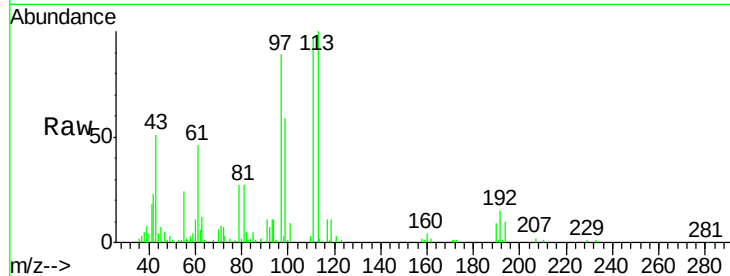
#37
Ethyl Acetate
Concen: 21.79 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	43	61	70	Ratio	Lower	Upper
43503	100	90.7	11.0			
		54.2	7.0			
			10.6			

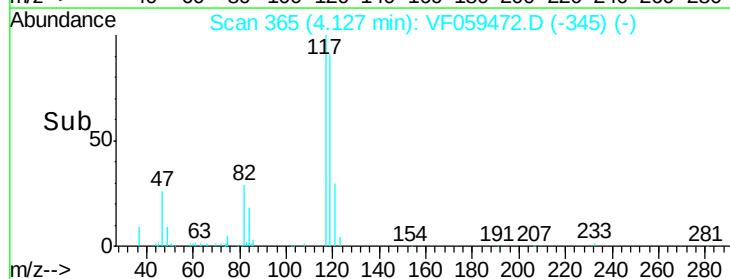
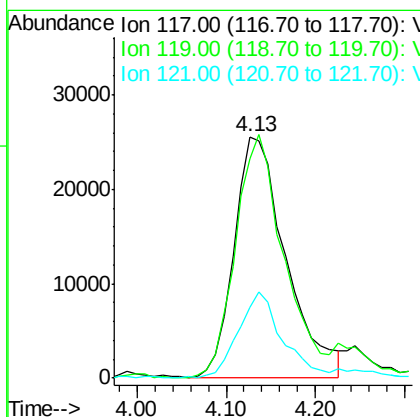
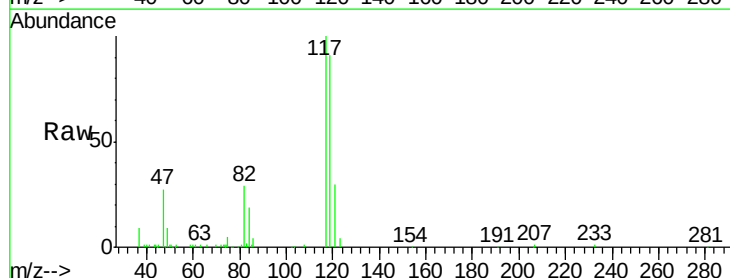
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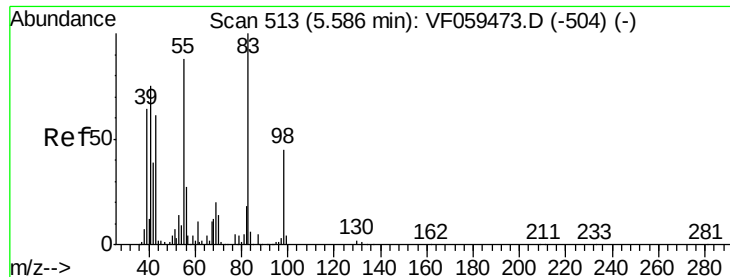
apatel
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#38
Carbon Tetrachloride
Concen: 27.30 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	117	119	121	Ratio	Lower	Upper
103634	100	91.1	29.5			
		76.5	23.6			
			35.4			





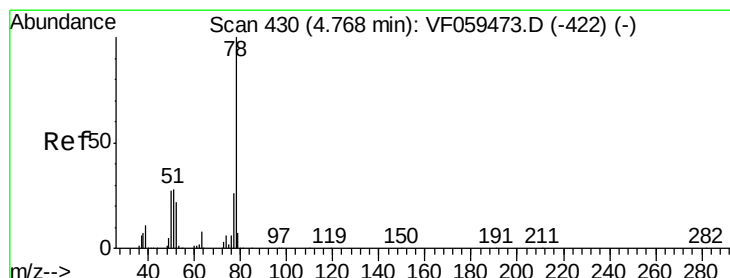
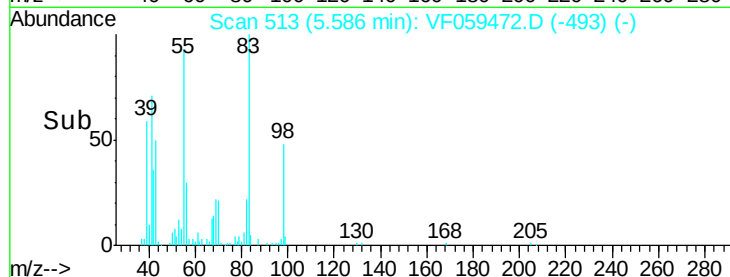
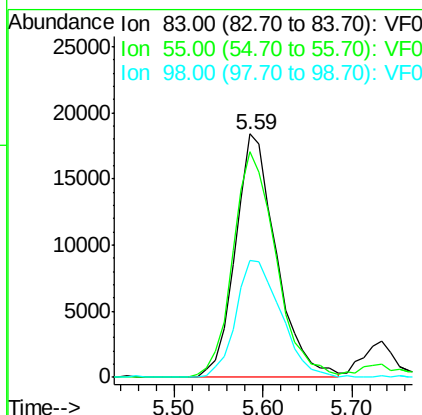
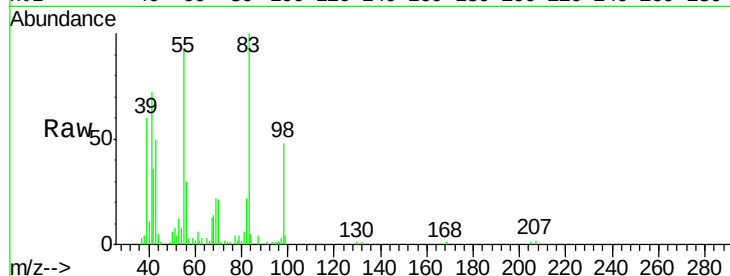
#39
Methylvlcyclohexane
Concen: 22.42 ug/l
RT: 5.59 min Scan# 513
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.6	70.6	105.8
98	48.0	36.3	54.5

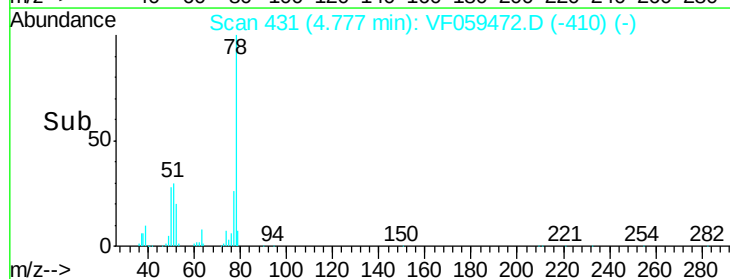
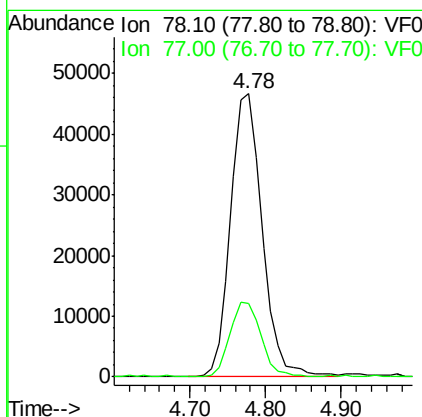
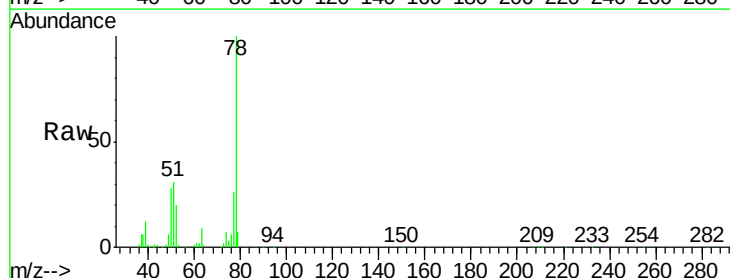
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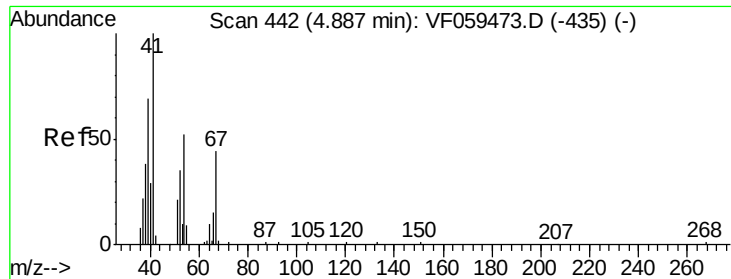
apatel
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#40
Benzene
Concen: 21.37 ug/l
RT: 4.78 min Scan# 431
Delta R.T. 0.01 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	20.8	31.2





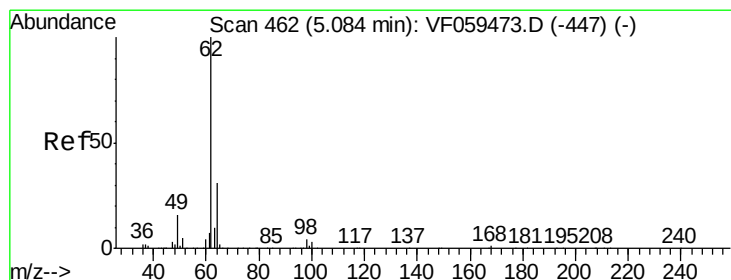
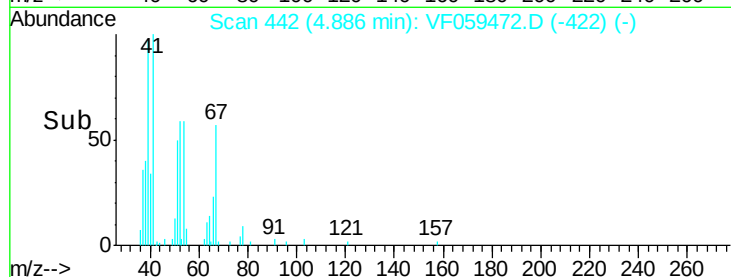
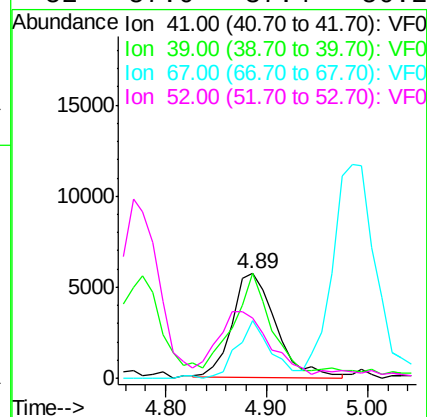
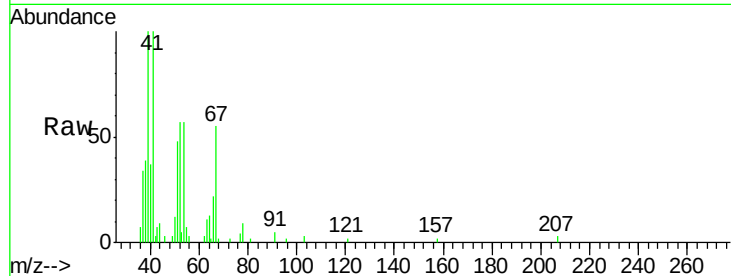
#41
Methacrylonitrile
Concen: 17.75 ug/l
RT: 4.89 min Scan# 442
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp:	17115
Ion Ratio	Lower	Upper	
41	100		
39	99.6	61.7	92.5#
67	55.3	35.4	53.2#
52	57.0	37.4	56.2#

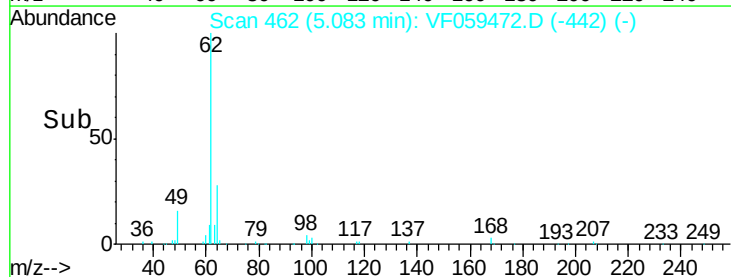
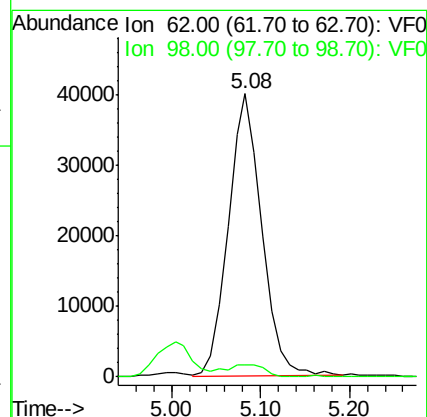
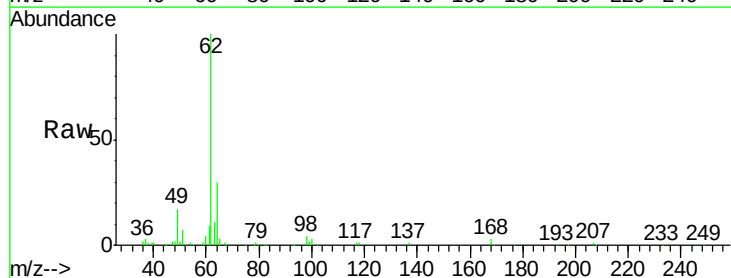
Manual Integrations
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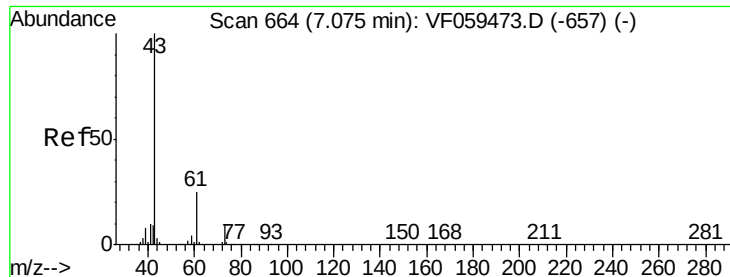
apatel
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#42
1,2-Dichloroethane
Concen: 27.16 ug/l
RT: 5.08 min Scan# 462
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	62	Resp:	104905
Ion Ratio	Lower	Upper	
62	100		
98	4.3	0.0	7.6





#43

Isopropyl Acetate

Concen: 20.13 ug/l

RT: 7.07 min Scan# 664

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

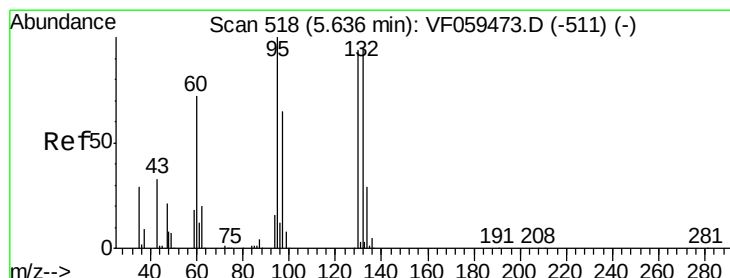
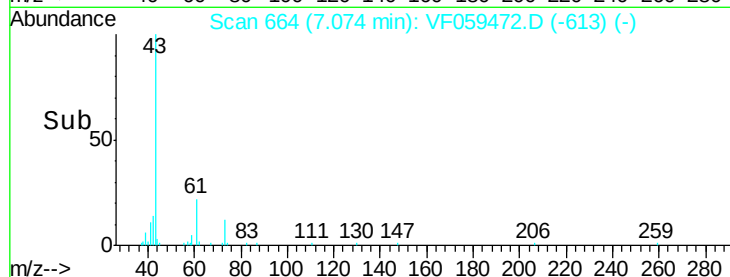
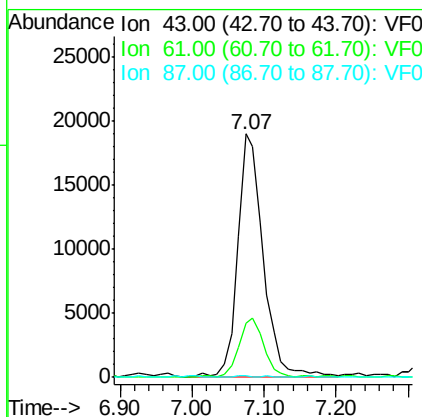
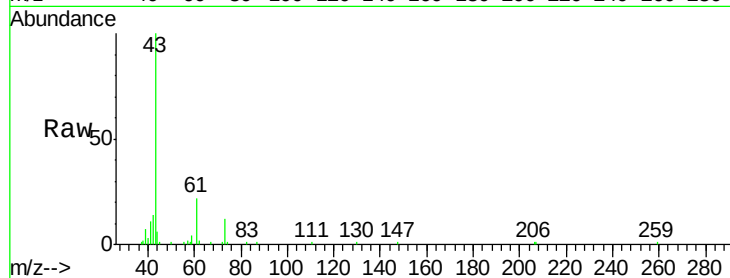
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	47144
Ion	Ratio	Lower	Upper
43	100		
61	22.1	20.3	30.5
87	0.8	0.3	0.5#

Manual Integrations
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7/9/2018 9:34:19 AM



#44

Trichloroethene

Concen: 24.58 ug/l

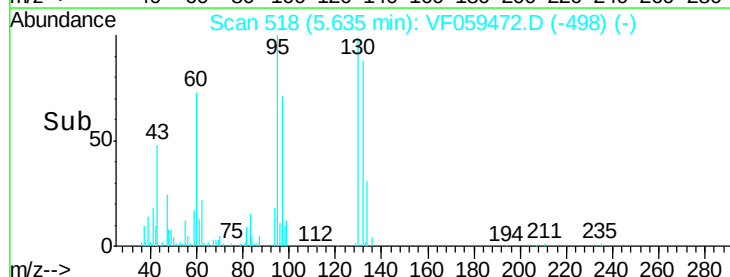
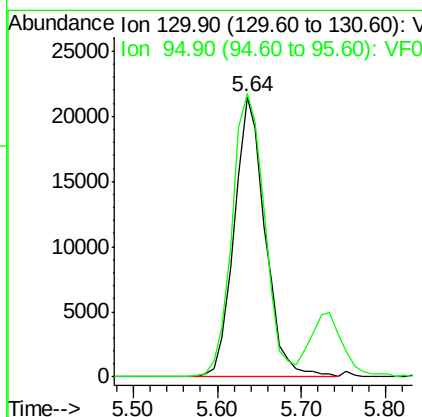
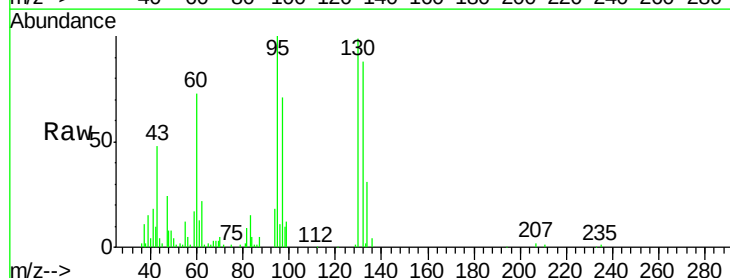
RT: 5.64 min Scan# 518

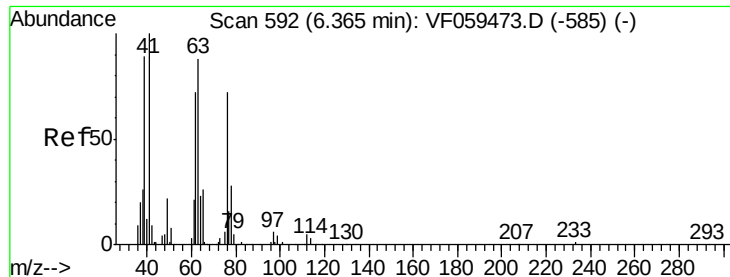
Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion:	130	Resp:	54690
Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	214.6





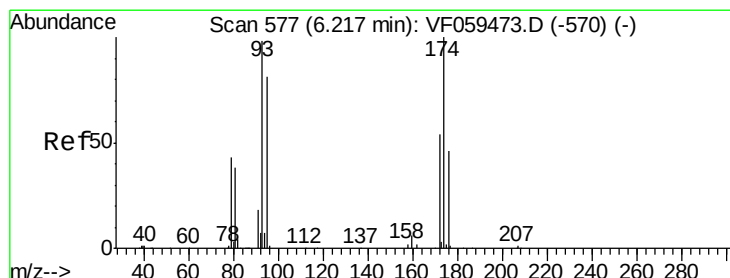
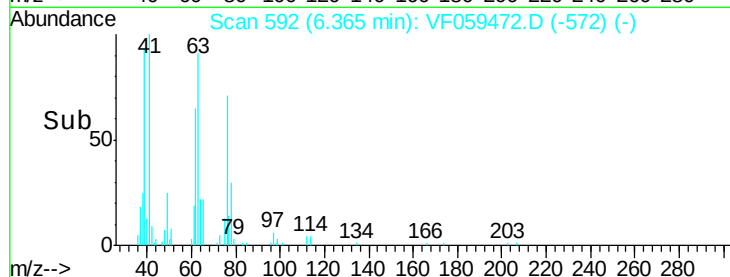
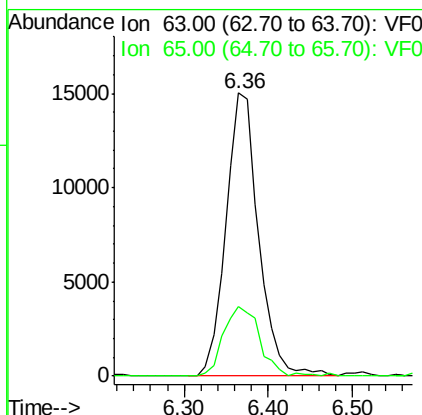
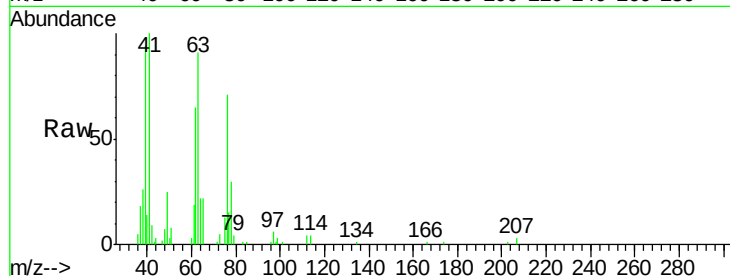
#45
 1,2-Dichloropropane
 Concen: 22.37 ug/l
 RT: 6.36 min Scan# 592
 Delta R.T. -0.00 min
 Lab File: VF059472.D
 Acq: 7 Jul 2018 3:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	24.6	23.5	35.3

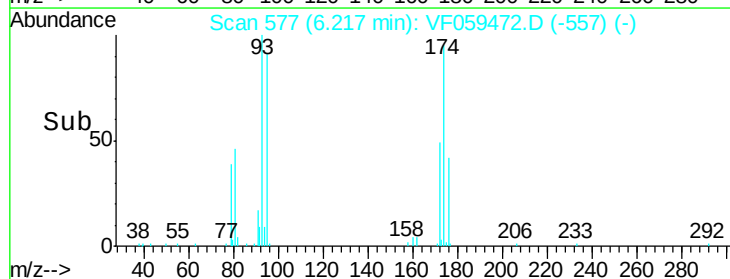
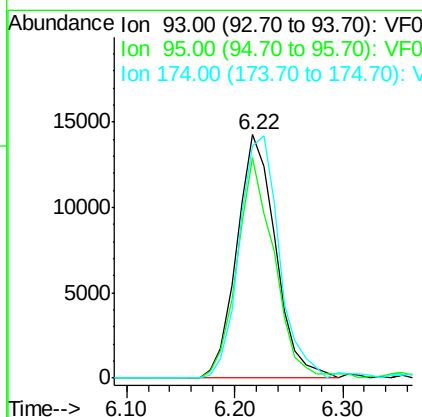
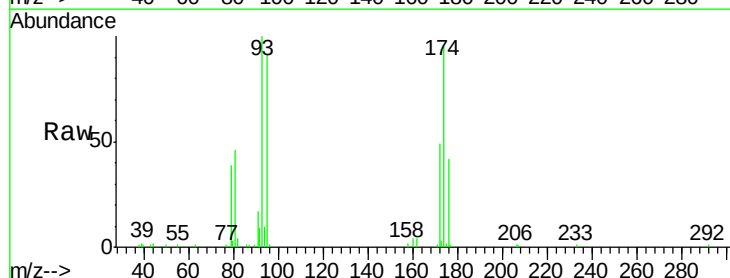
Manual Integrations
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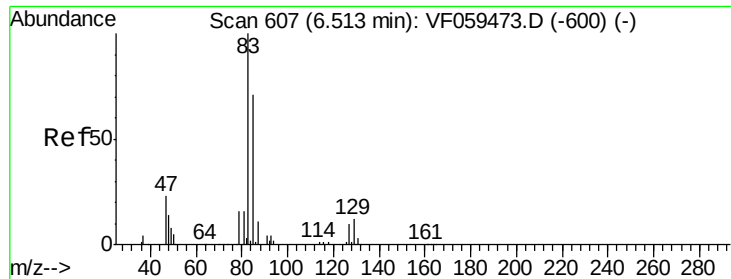
apatel
 7/9/2018 9:34:19 AM



#46
 Dibromomethane
 Concen: 22.37 ug/l
 RT: 6.22 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VF059472.D
 Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	90.6	65.9	98.9
174	95.2	83.2	124.8





#47

Bromodichloromethane

Concen: 24.90 ug/l

RT: 6.51 min Scan# 607

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

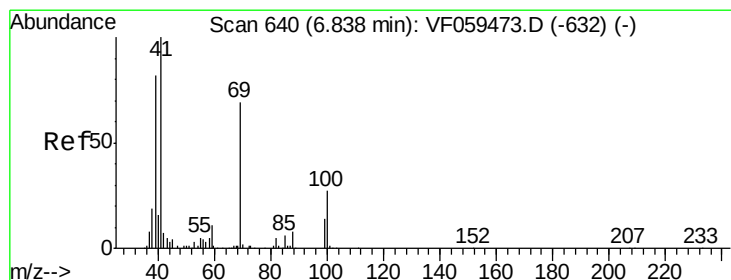
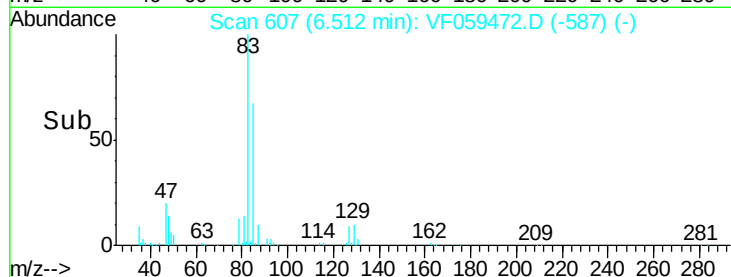
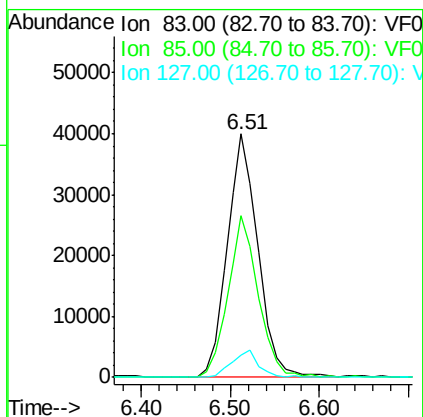
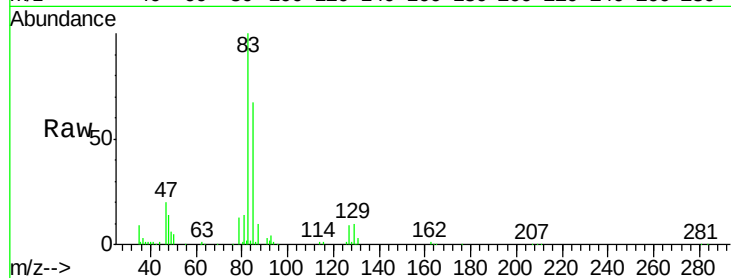
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	96501
Ion	Ratio	Lower	Upper
83	100		
85	66.6	56.6	84.8
127	10.5	8.1	12.1

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#48

Methyl methacrylate

Concen: 19.44 ug/l

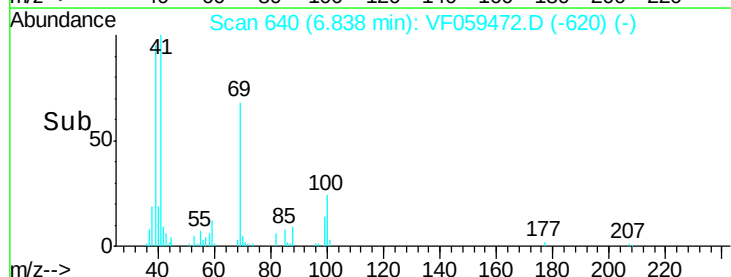
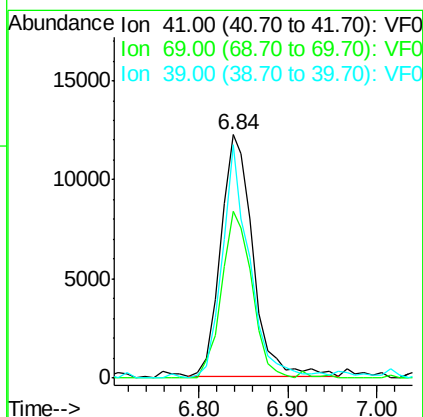
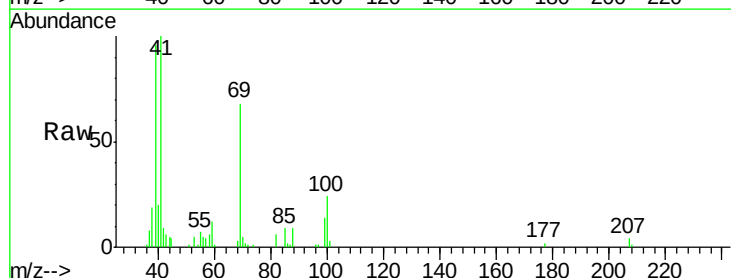
RT: 6.84 min Scan# 640

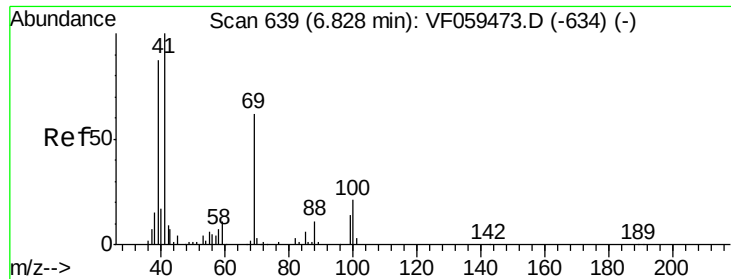
Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion:	41	Resp:	31001
Ion	Ratio	Lower	Upper
41	100		
69	68.3	55.6	83.4
39	95.9	66.0	99.0





#49

1,4-Dioxane

Concen: 324.57 ug/l

RT: 6.84 min Scan# 640

Delta R.T. 0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

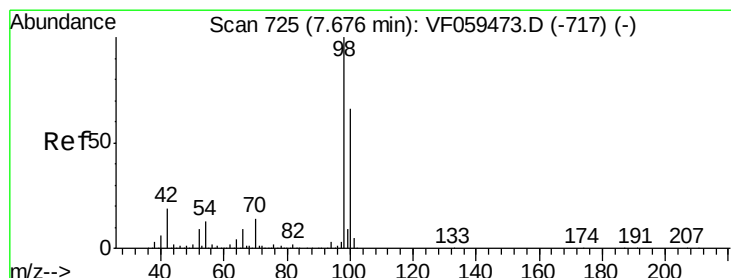
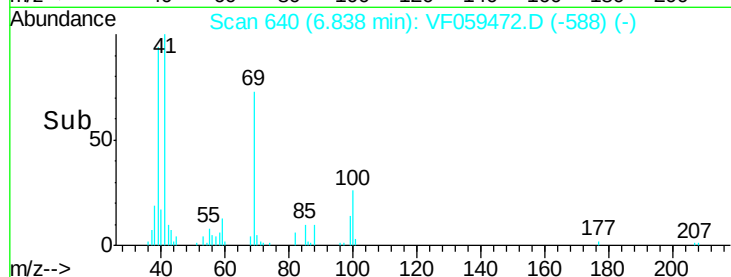
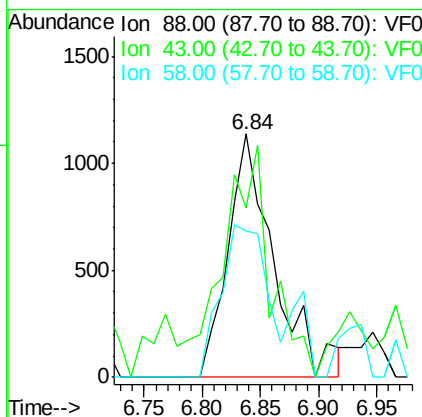
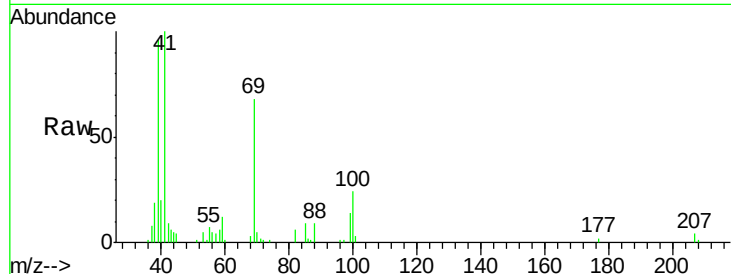
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	3119
Ion	Ratio	Lower	Upper
88	100		
43	69.5	57.3	85.9
58	60.3	54.6	81.8

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#50

Toluene-d8

Concen: 25.67 ug/l

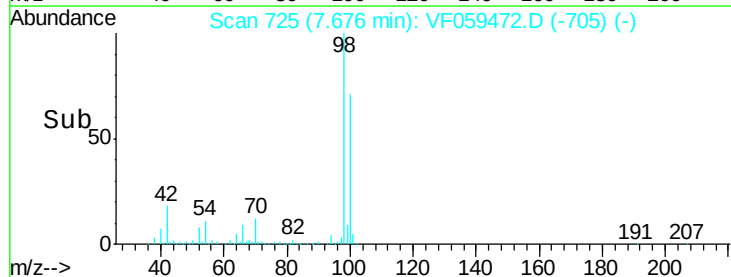
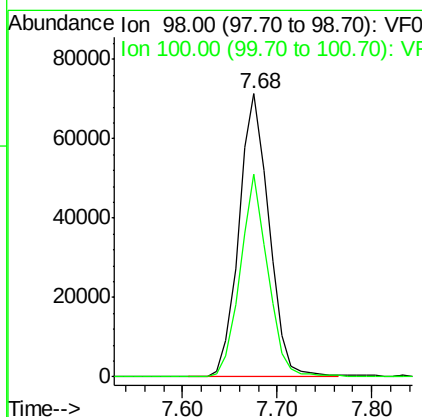
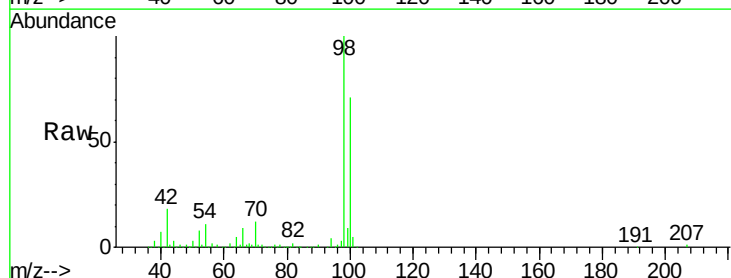
RT: 7.68 min Scan# 725

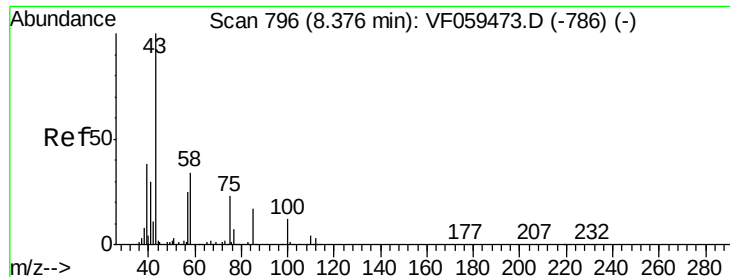
Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion:	98	Resp:	157231
Ion	Ratio	Lower	Upper
98	100		
100	71.4	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 100.02 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 174609

Ion Ratio Lower Upper

43 100

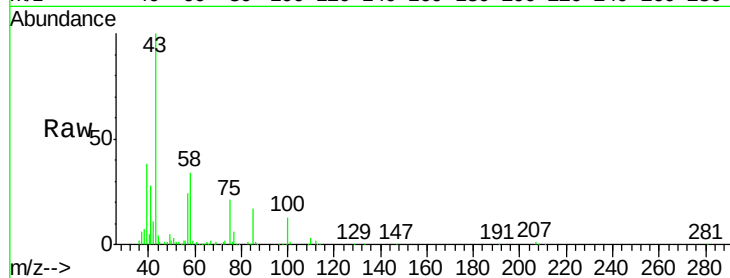
58 34.0 27.4 41.2

Manual Integrations

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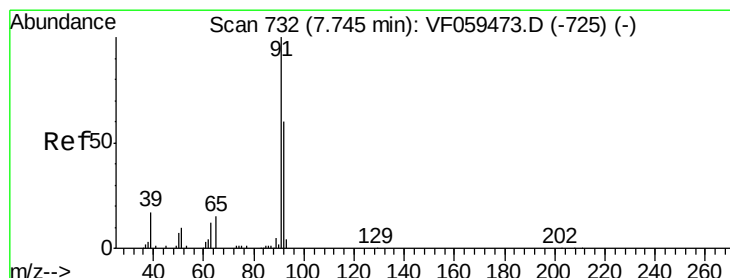
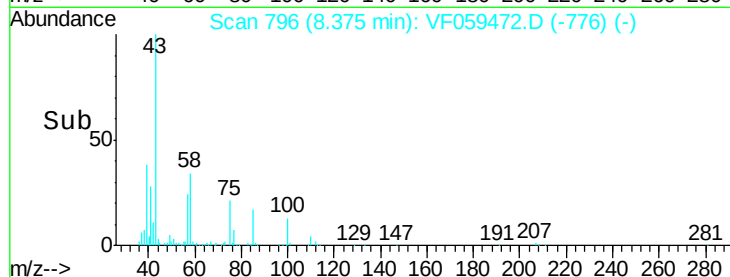
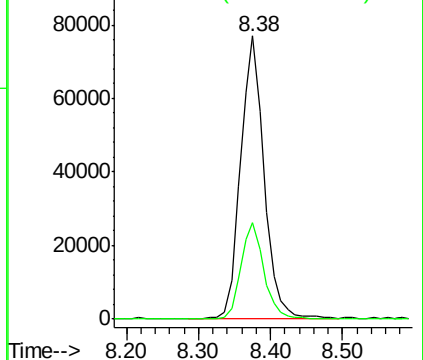
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.93 ug/l

RT: 7.74 min Scan# 732

Delta R.T. -0.00 min

Lab File: VF059472.D

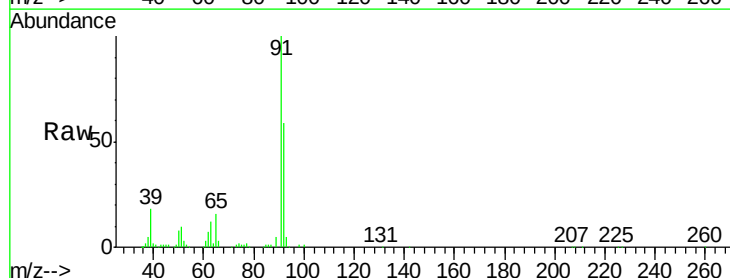
Acq: 7 Jul 2018 3:00

Tgt Ion: 92 Resp: 104845

Ion Ratio Lower Upper

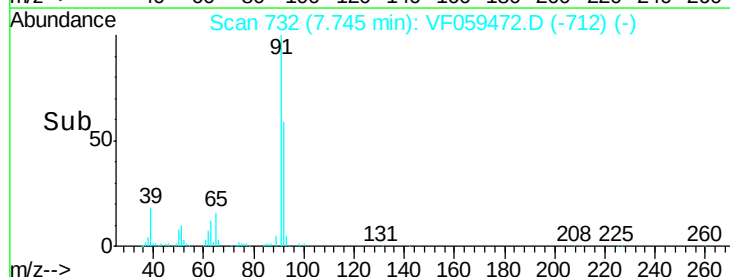
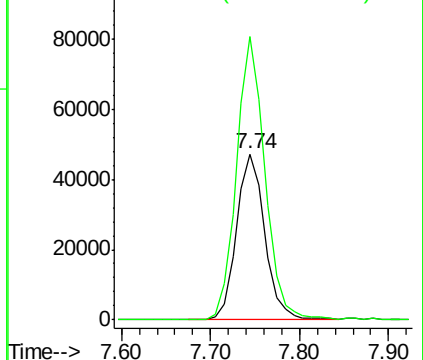
92 100

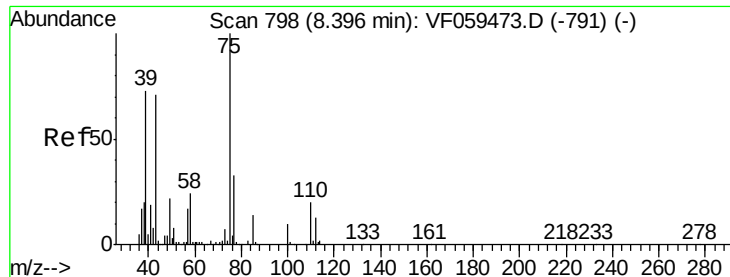
91 170.4 134.3 201.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





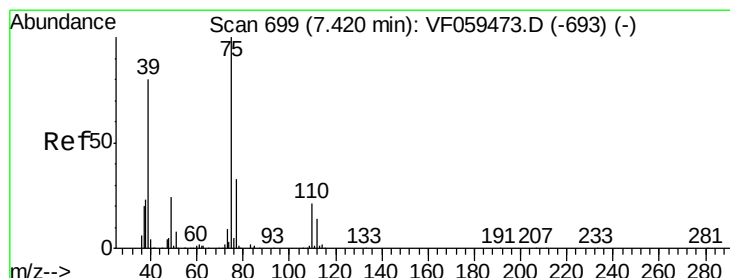
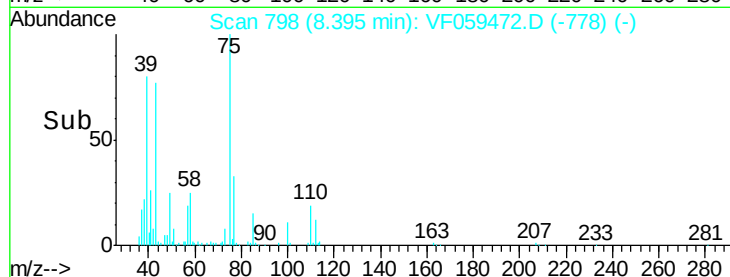
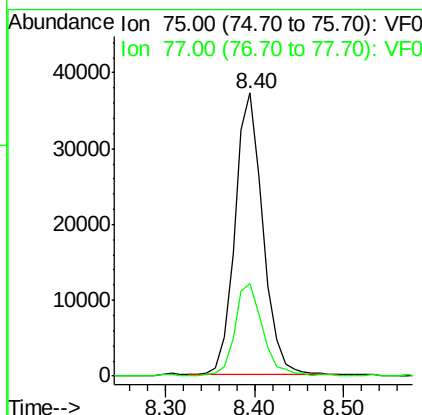
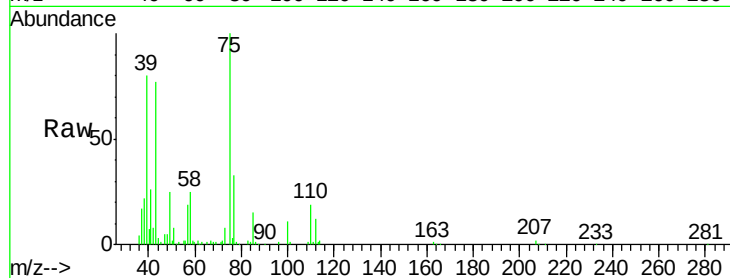
#53
t-1,3-Dichloropropene
Concen: 23.15 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 81224
Ion Ratio Lower Upper
75 100
77 32.8 26.4 39.6

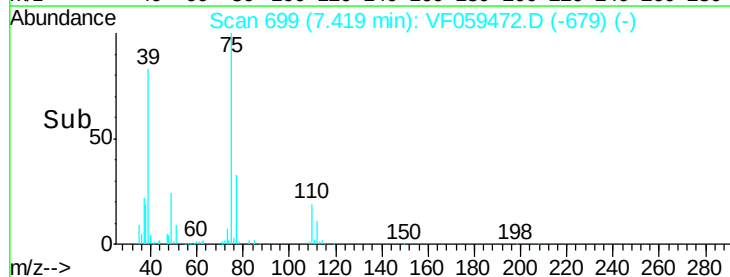
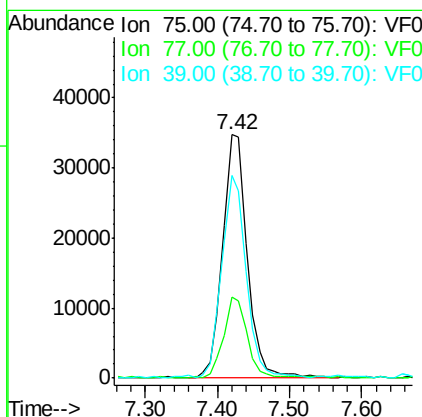
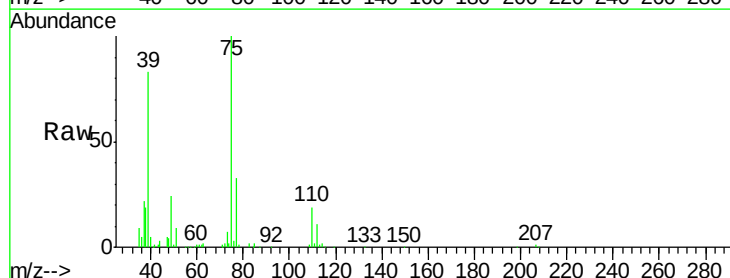
Manual Integrations
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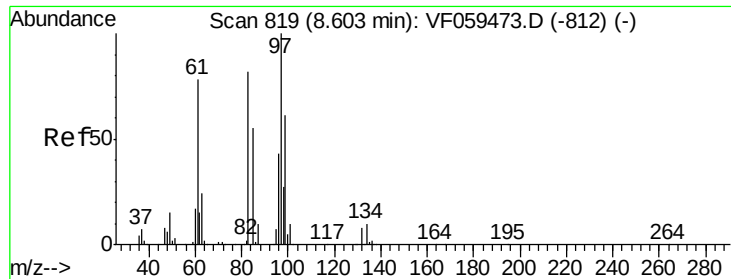
apatel
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#54
cis-1,3-Dichloropropene
Concen: 22.03 ug/l
RT: 7.42 min Scan# 699
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion: 75 Resp: 82789
Ion Ratio Lower Upper
75 100
77 33.3 26.2 39.4
39 83.2 64.5 96.7





#55

1,1,2-Trichloroethane

Concen: 21.44 ug/l

RT: 8.60 min Scan# 819

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

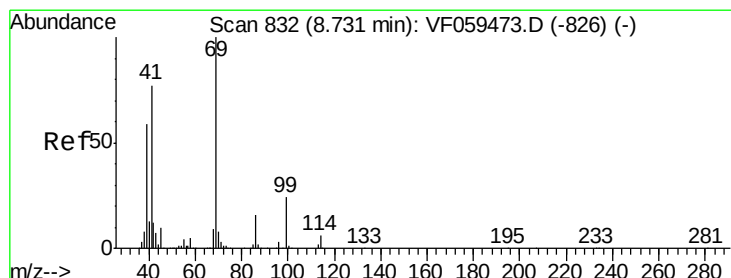
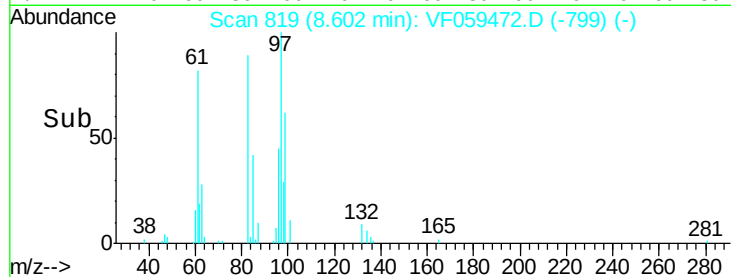
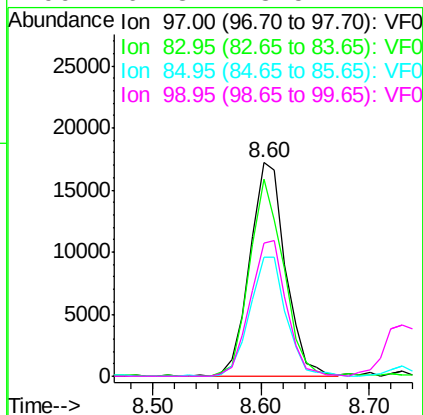
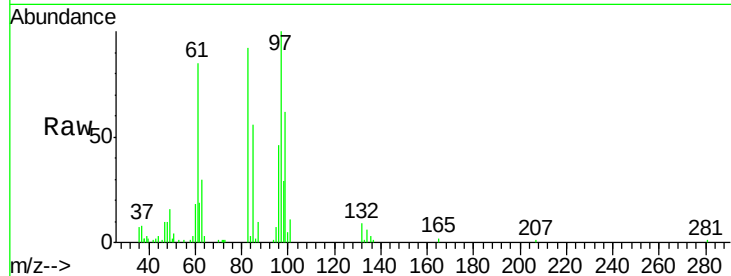
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	39551
Ion	Ratio	Lower	Upper
97	100		
83	92.3	65.7	98.5
85	55.9	43.8	65.6
99	62.3	48.5	72.7

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#56

Ethyl methacrylate

Concen: 19.86 ug/l

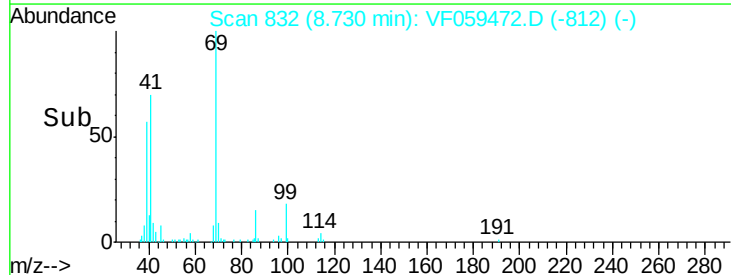
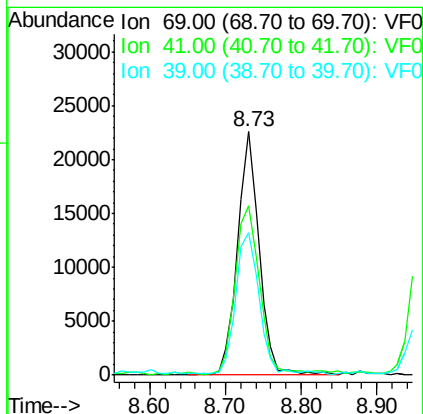
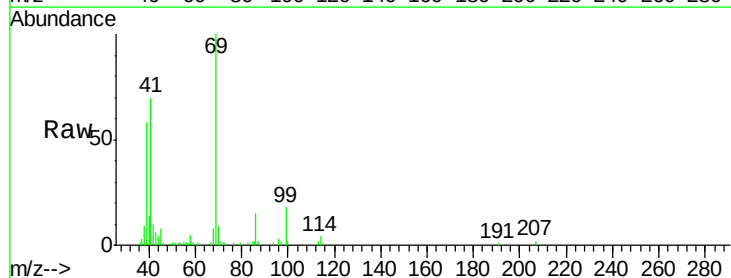
RT: 8.73 min Scan# 832

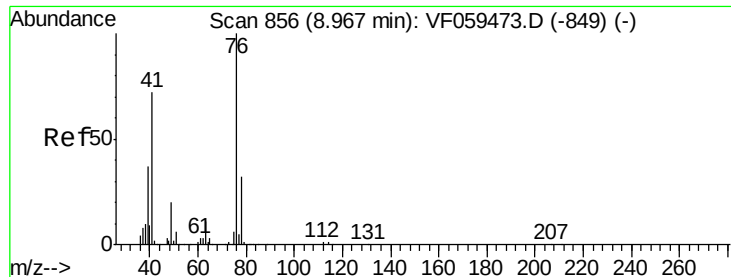
Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion:	69	Resp:	44599
Ion	Ratio	Lower	Upper
69	100		
41	69.8	62.2	93.4
39	58.4	47.7	71.5





#57

1,3-Dichloropropane

Concen: 21.90 ug/l

RT: 8.97 min Scan# 856

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 69330

Ion Ratio Lower Upper

76 100

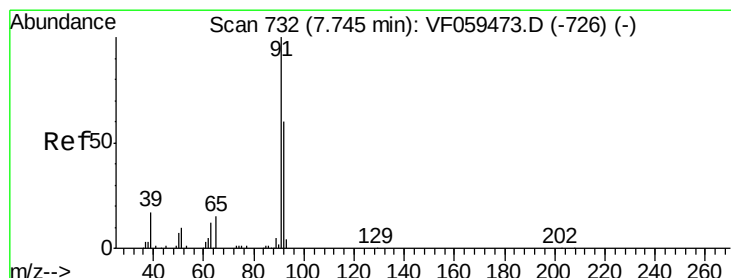
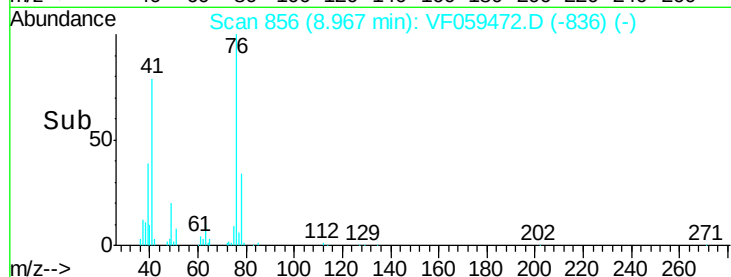
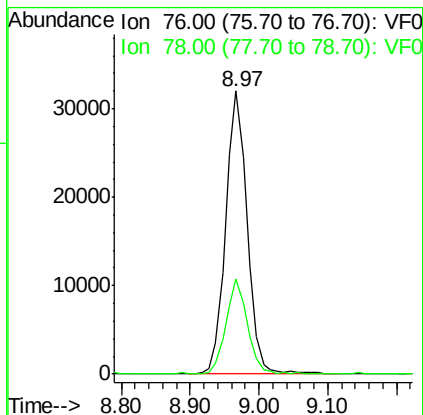
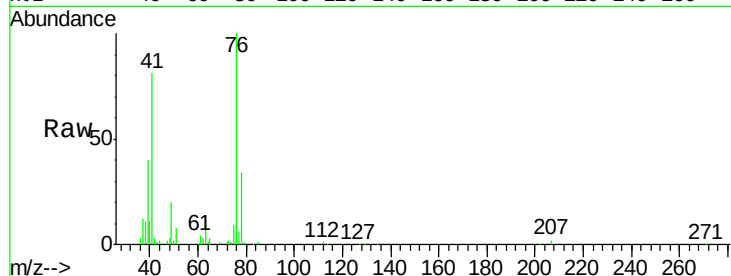
78 33.5 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 129.62 ug/l

RT: 7.74 min Scan# 732

Delta R.T. -0.00 min

Lab File: VF059472.D

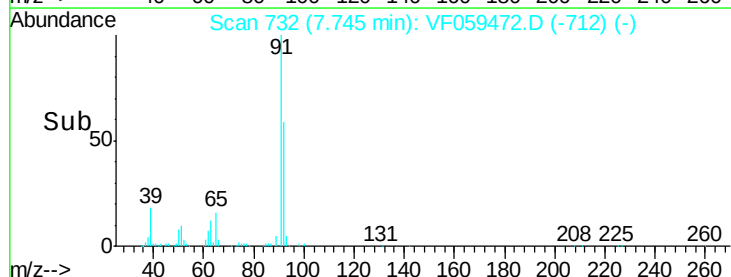
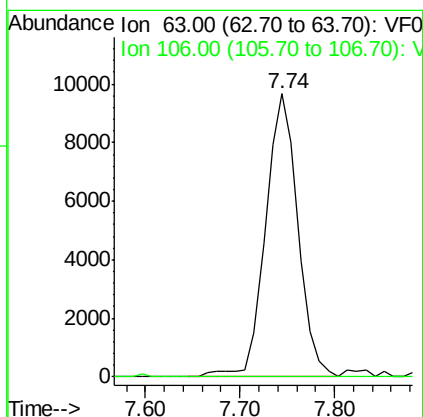
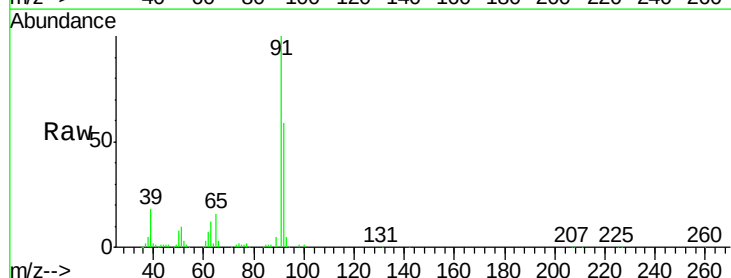
Acq: 7 Jul 2018 3:00

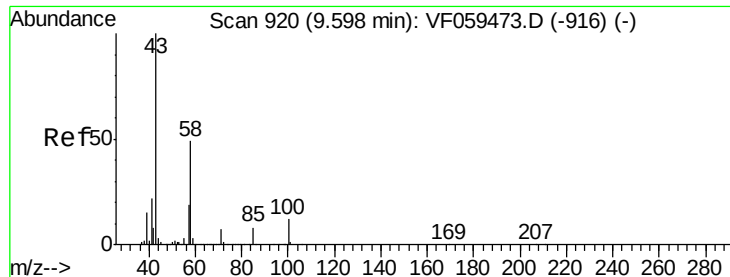
Tgt Ion: 63 Resp: 22964

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 95.22 ug/l

RT: 9.60 min Scan# 920

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 137081

Ion Ratio Lower Upper

43 100

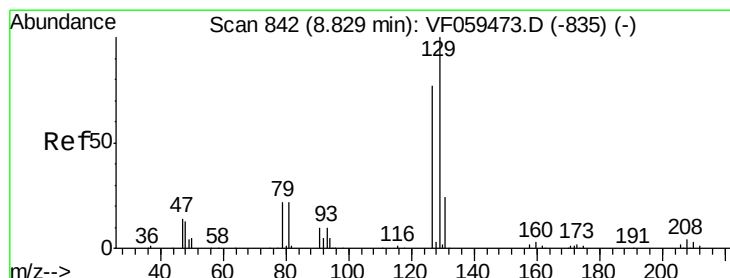
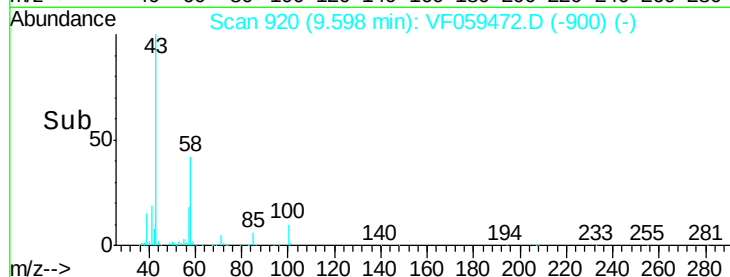
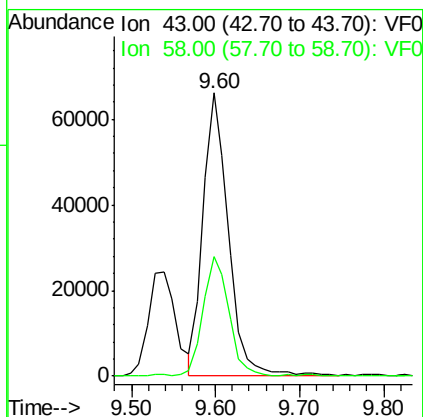
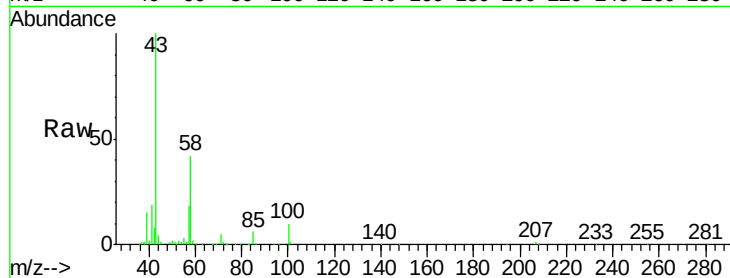
58 42.0 22.4 67.2

Manual Integrations

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#60

Dibromochloromethane

Concen: 23.33 ug/l

RT: 8.83 min Scan# 842

Delta R.T. -0.00 min

Lab File: VF059472.D

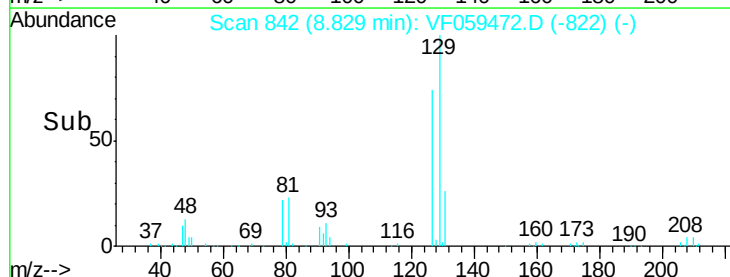
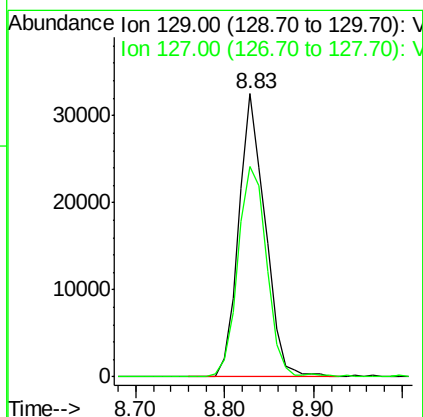
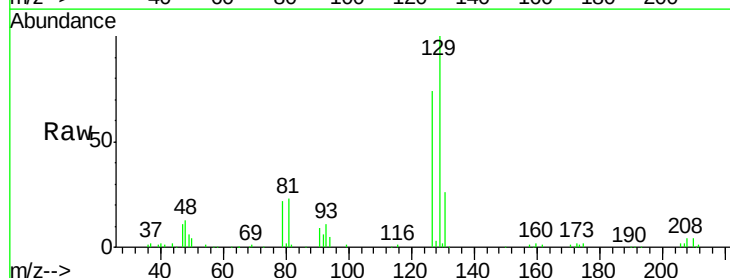
Acq: 7 Jul 2018 3:00

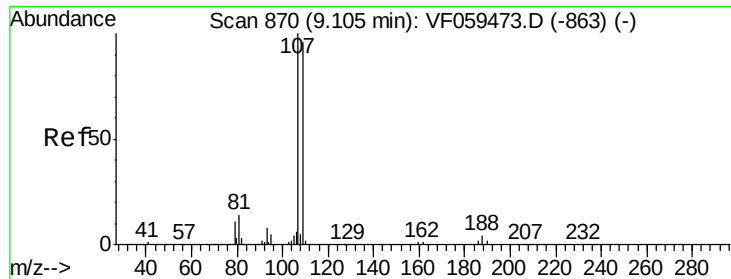
Tgt Ion: 129 Resp: 67121

Ion Ratio Lower Upper

129 100

127 73.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 21.73 ug/l

RT: 9.10 min Scan# 870

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 48769

Ion Ratio Lower Upper

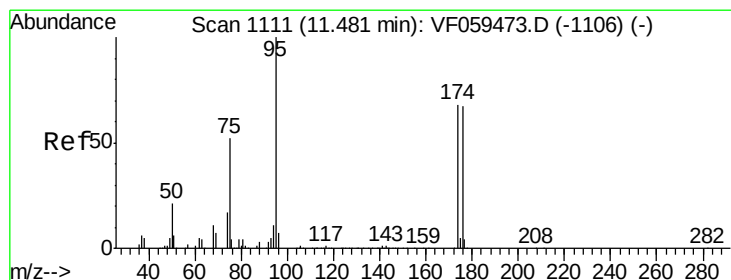
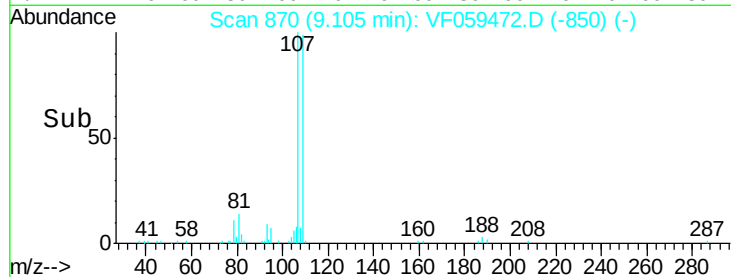
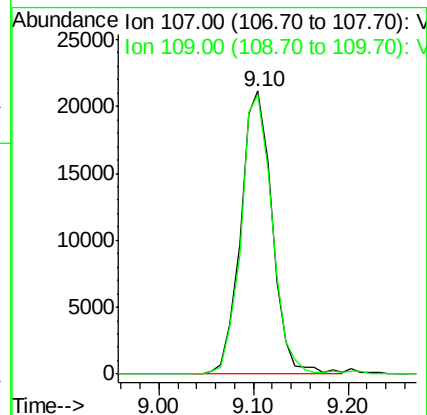
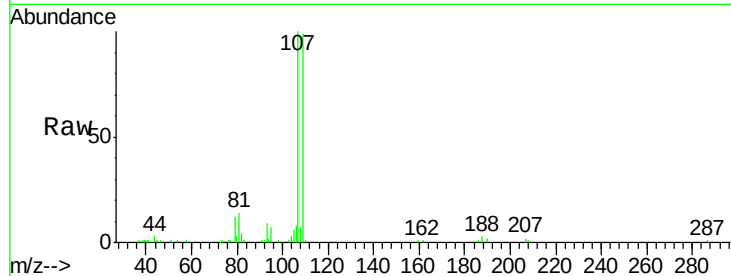
107 100

109 98.8 76.7 115.1

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#62

4-Bromofluorobenzene

Concen: 26.29 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

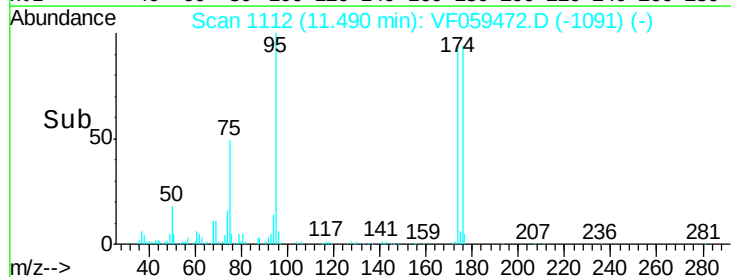
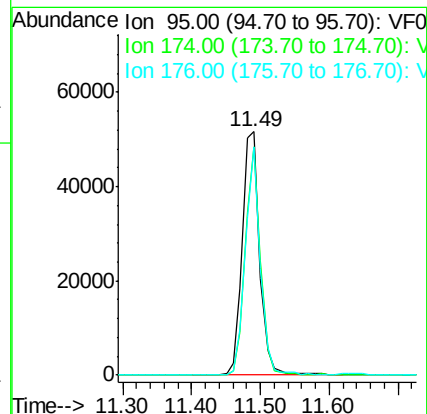
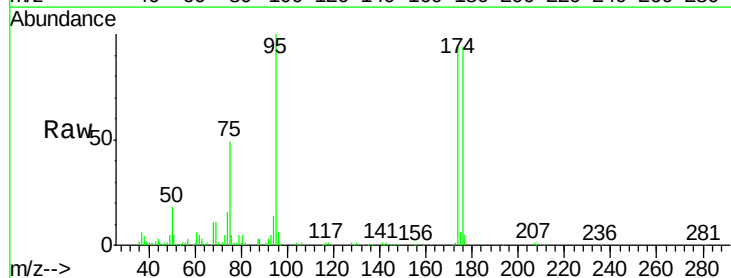
Tgt Ion: 95 Resp: 90997

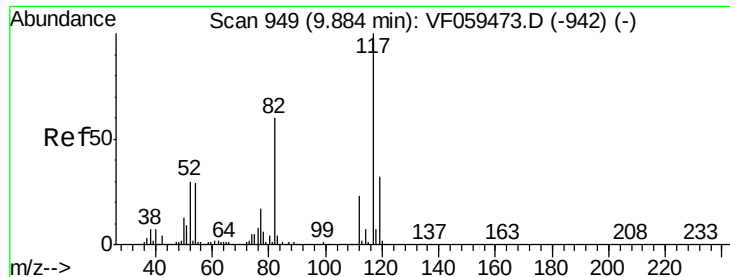
Ion Ratio Lower Upper

95 100

174 93.7 0.0 137.0

176 93.9 0.0 133.8





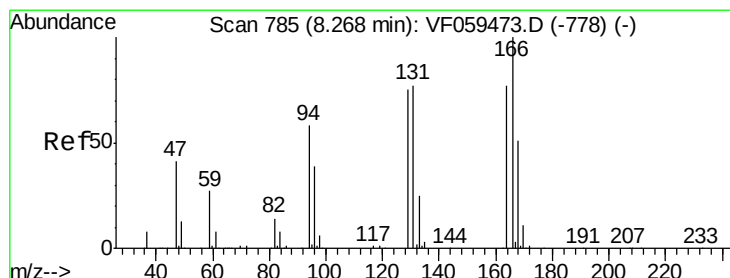
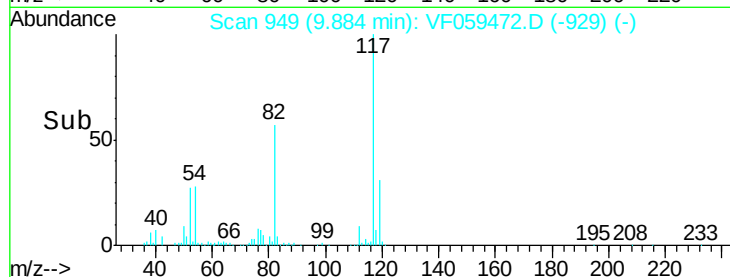
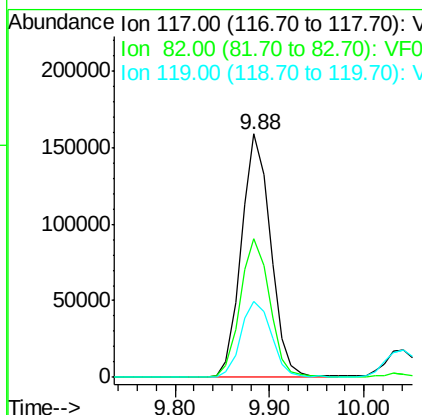
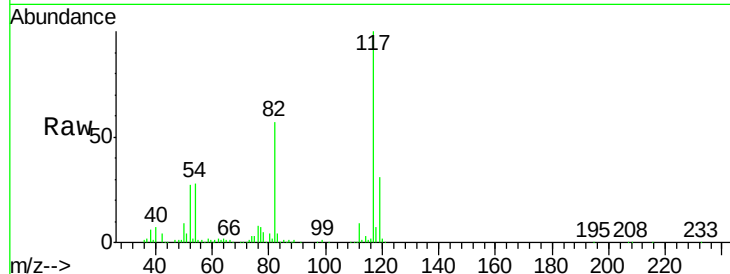
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.88 min Scan# 949
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	48.2	72.4
119	31.4	25.7	38.5

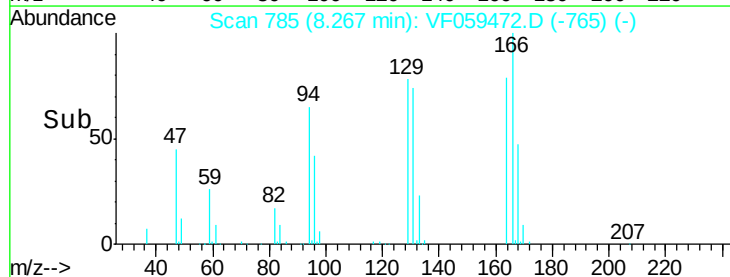
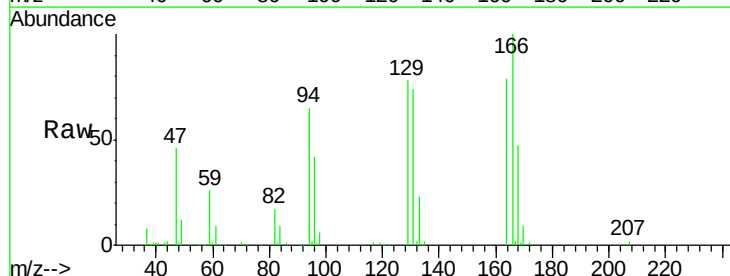
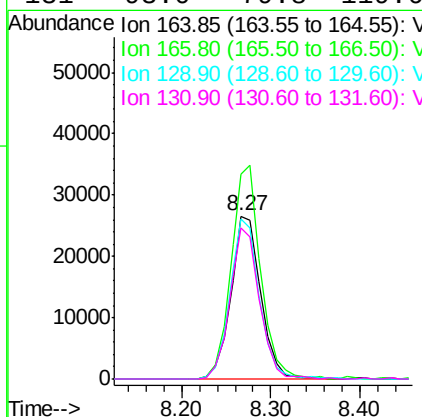
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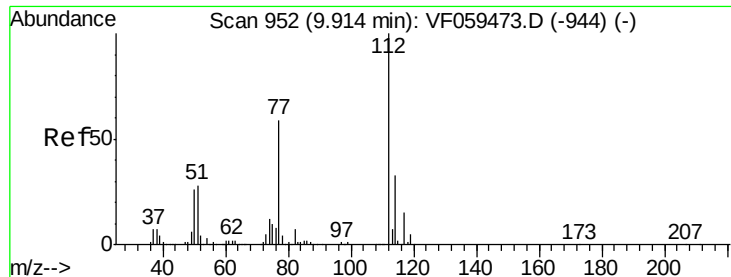
apatel
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#64
Tetrachloroethene
Concen: 26.27 ug/l
RT: 8.27 min Scan# 785
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.5	155.3
129	98.7	77.6	116.4
131	93.0	79.8	119.6





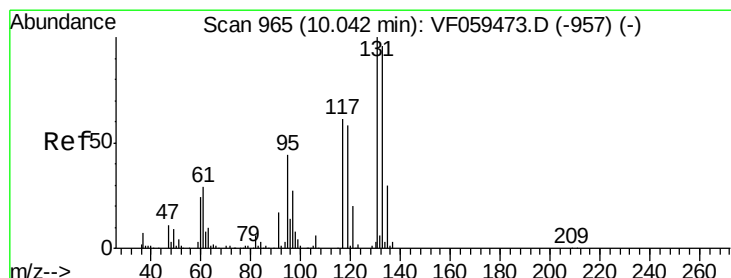
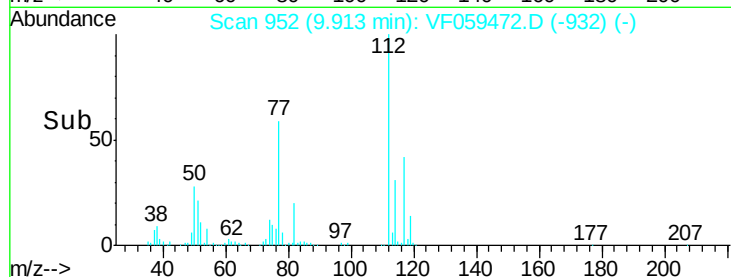
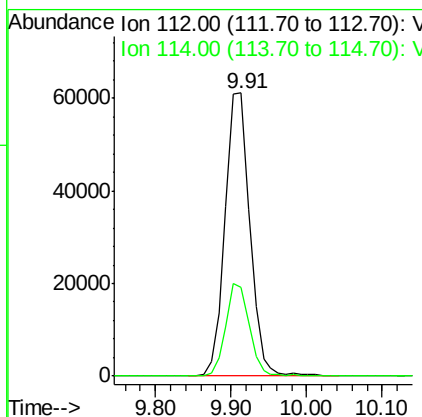
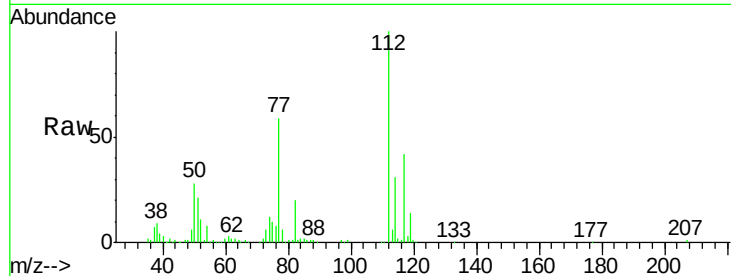
#65
Chlorobenzene
Concen: 21.39 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.2	39.2

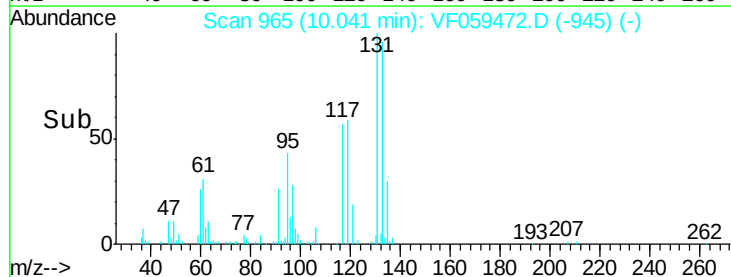
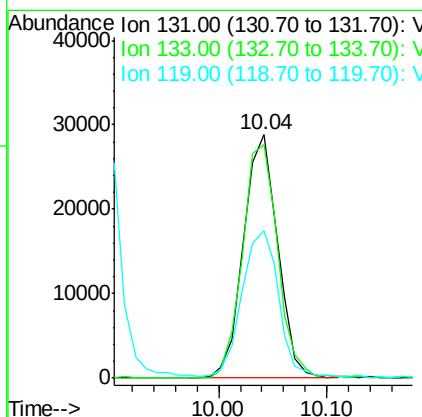
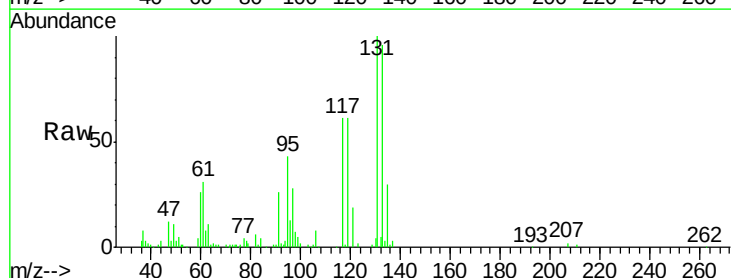
Manual Integrations
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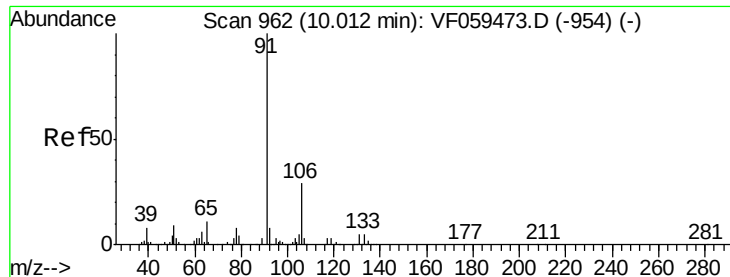
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.56 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.1	144.3
119	60.8	29.3	87.8





#67

Ethyl Benzene

Concen: 22.74 ug/l

RT: 10.00 min Scan# 961

Delta R.T. -0.01 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 251525

Ion Ratio Lower Upper

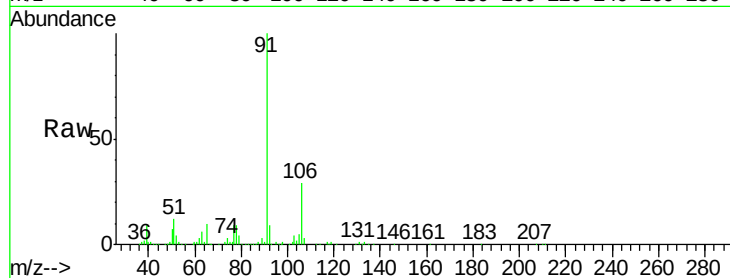
91 100

106 28.8 23.0 34.6

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

200000

150000

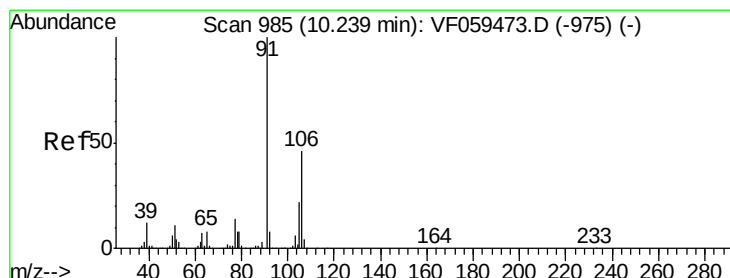
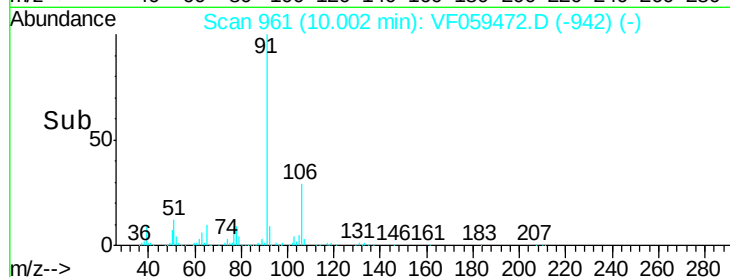
100000

50000

0

9.90 10.00 10.10 10.20

Time-->



#68

m/p-Xylenes

Concen: 45.51 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.00 min

Lab File: VF059472.D

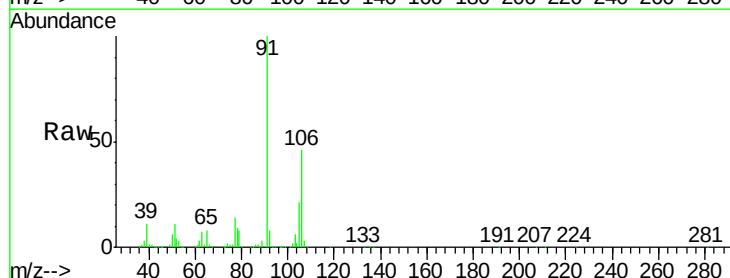
Acq: 7 Jul 2018 3:00

Tgt Ion: 106 Resp: 177827

Ion Ratio Lower Upper

106 100

91 218.2 173.5 260.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

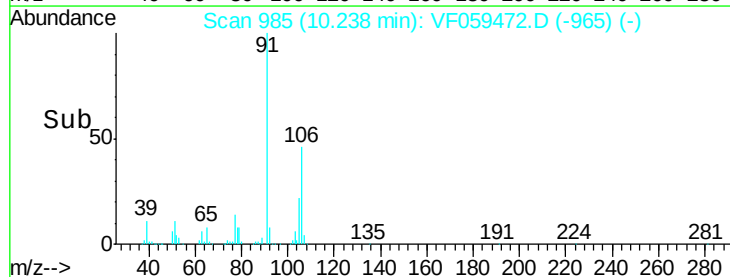
100000

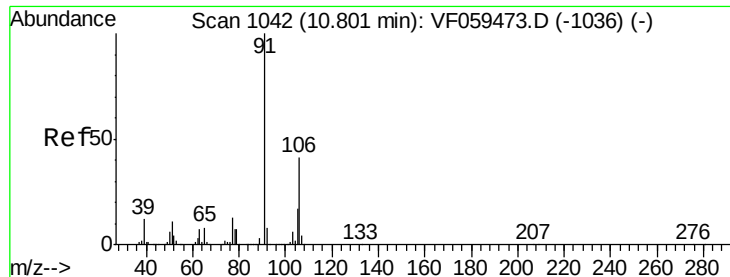
50000

0

10.20 10.24 10.40

Time-->





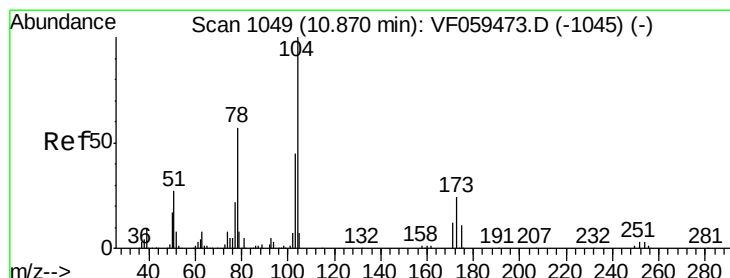
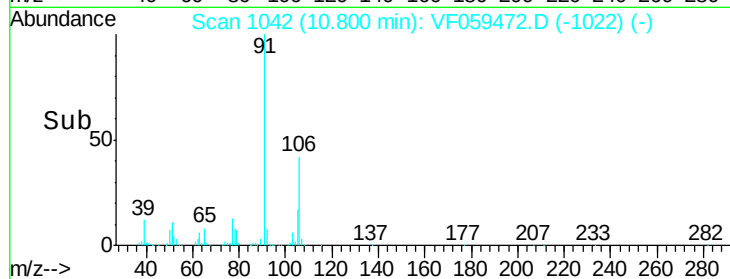
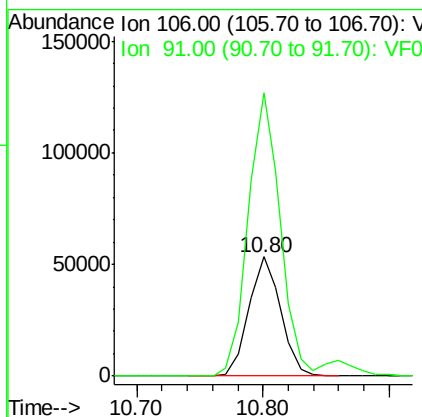
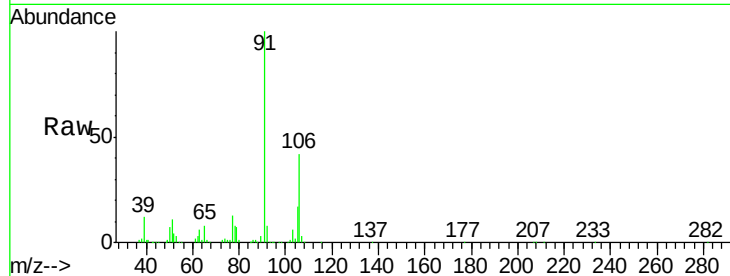
#69
o-Xylene
Concen: 21.58 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	237.5	121.8	365.3

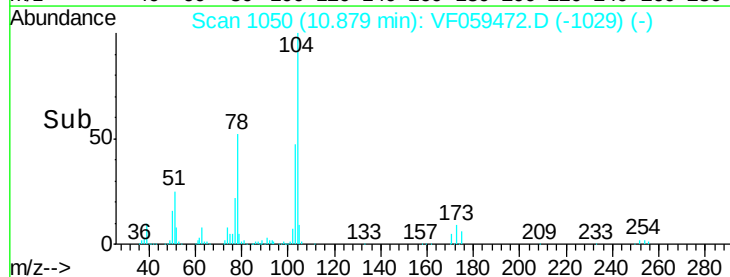
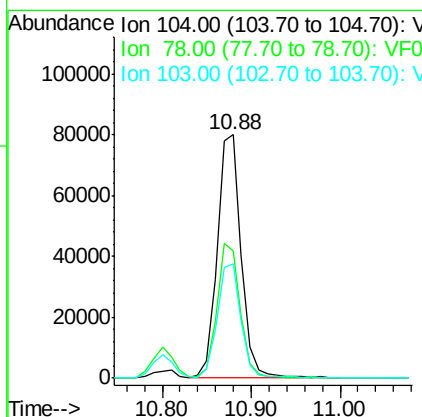
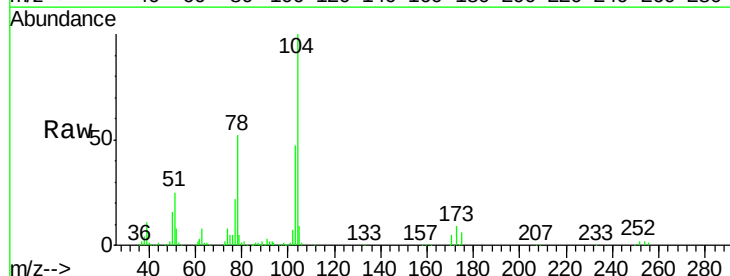
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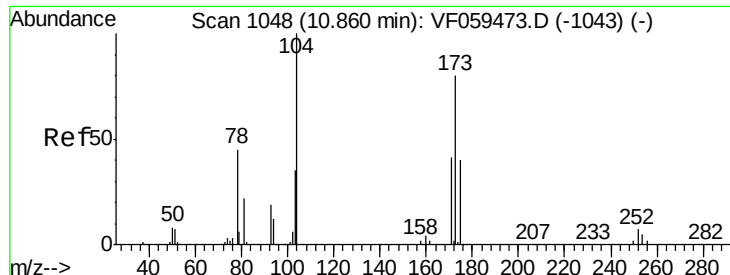
apatel
7/9/2018 9:34:19 AM



#70
Styrene
Concen: 22.54 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.3	46.2	69.2
103	46.9	36.8	55.2





#71

Bromoform

Concen: 22.84 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

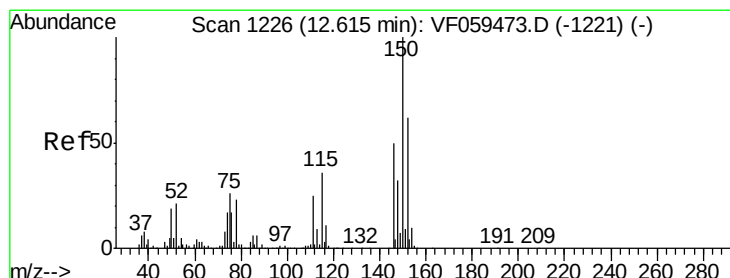
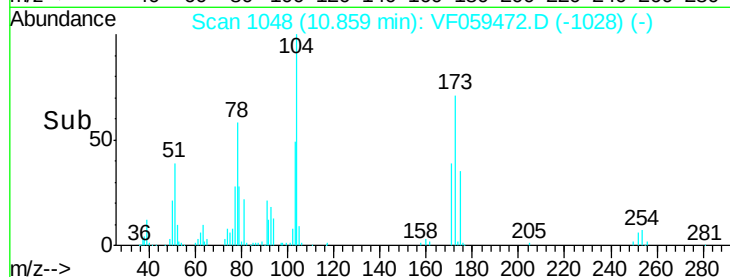
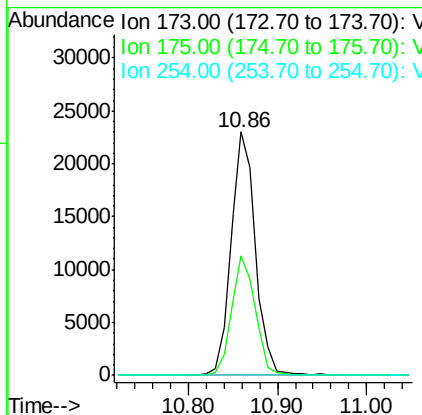
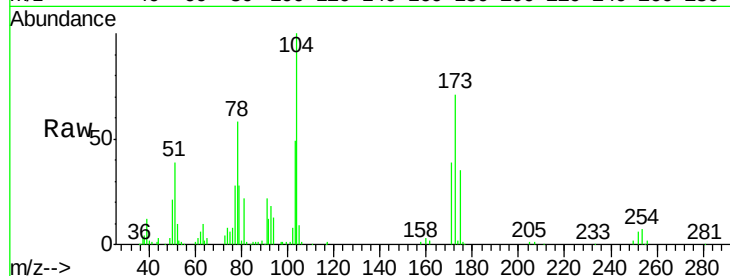
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	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

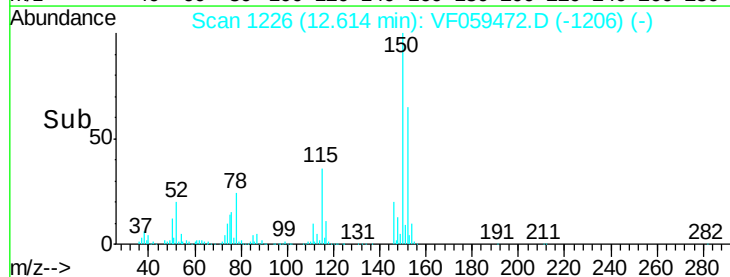
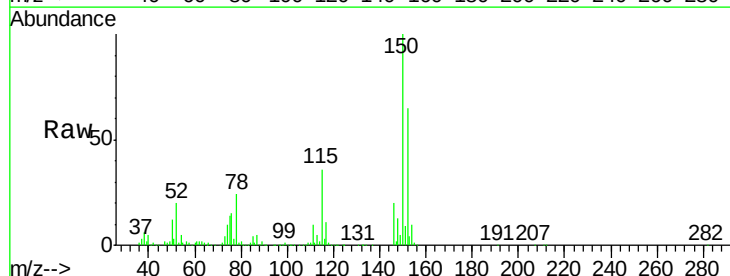
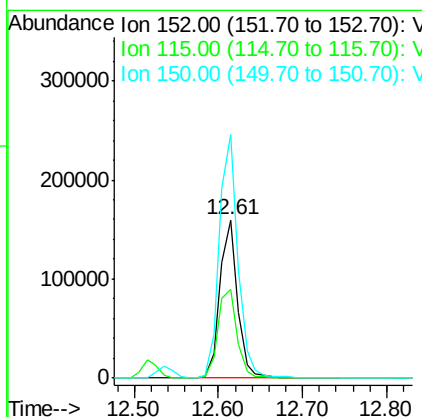
RT: 12.61 min Scan# 1226

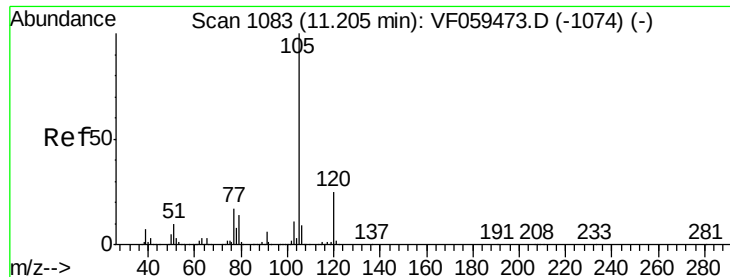
Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.7	86.3
150	154.1	0.0	323.8





#73

Isopropylbenzene

Concen: 21.19 ug/l

RT: 11.20 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 293105

Ion Ratio Lower Upper

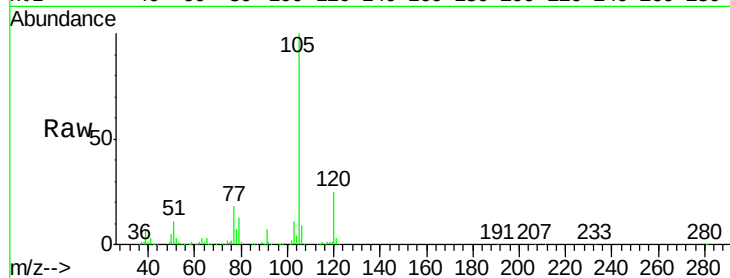
105 100

120 24.6 12.4 37.2

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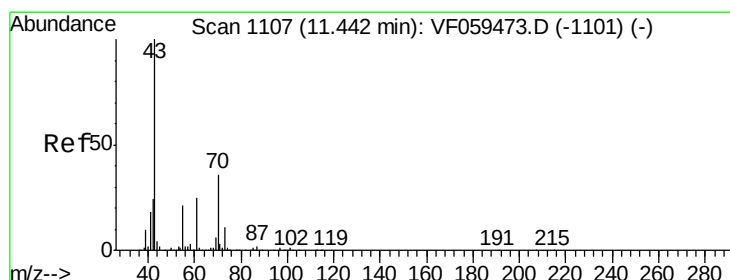
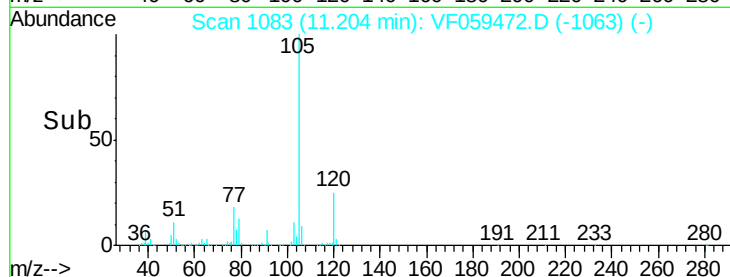
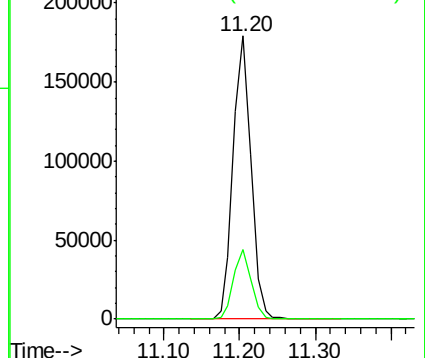
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.70 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion: 43 Resp: 91376

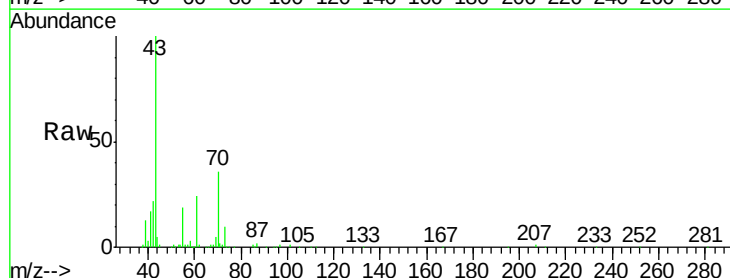
Ion Ratio Lower Upper

43 100

70 35.7 28.7 43.1

55 19.3 16.6 24.8

61 23.8 20.1 30.1

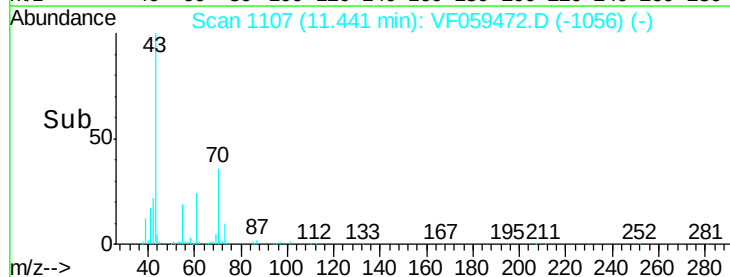
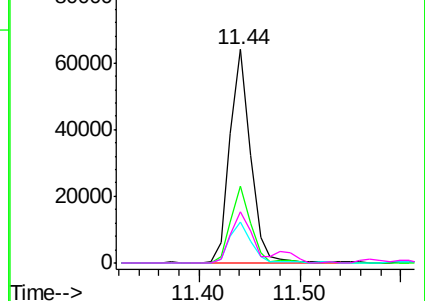


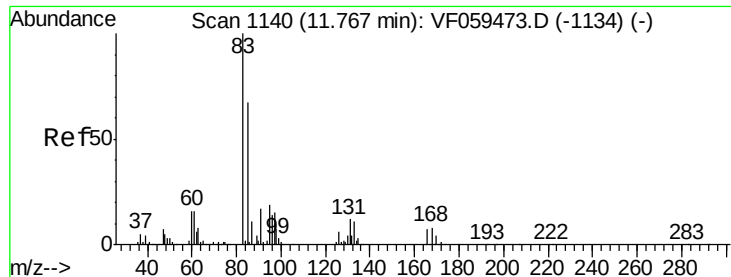
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.54 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

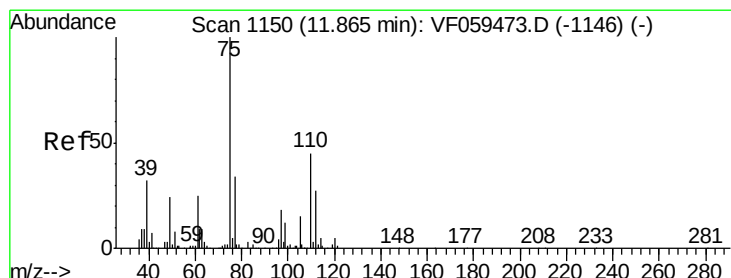
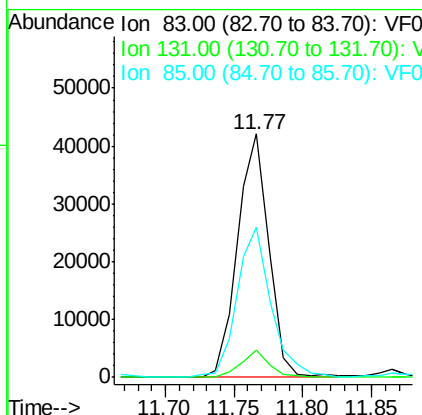
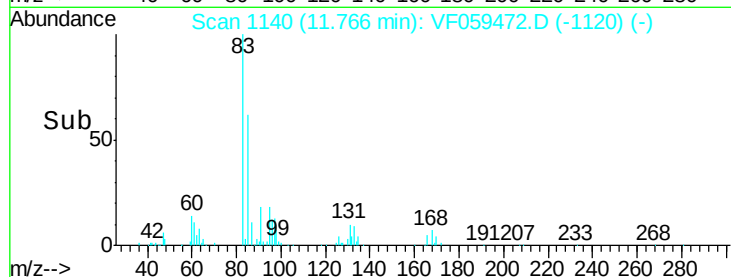
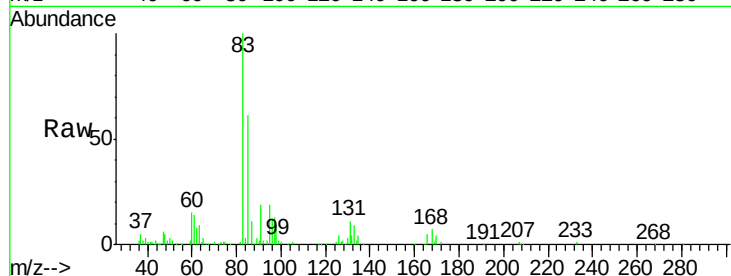
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	66562
Ion Ratio	Lower	Upper	
83	100		
131	11.3	6.0	18.0
85	61.5	33.7	101.1

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#76

1,2,3-Trichloropropane

Concen: 19.66 ug/l

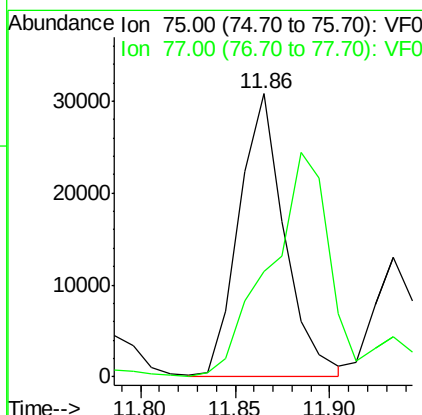
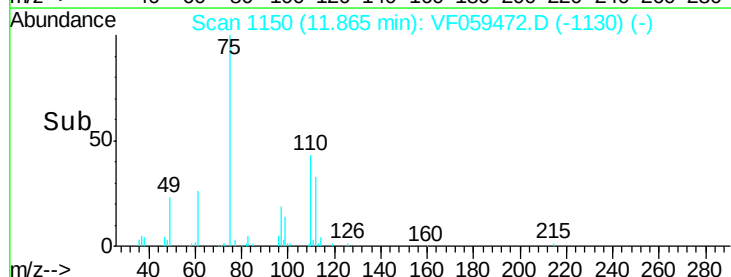
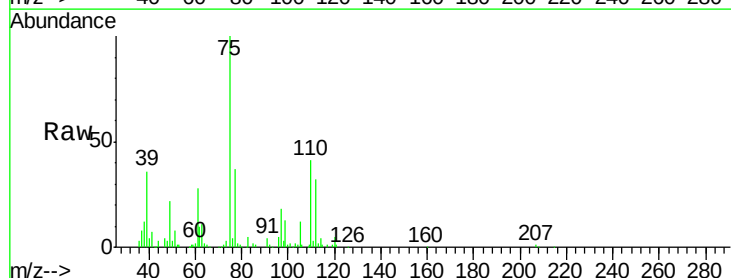
RT: 11.86 min Scan# 1150

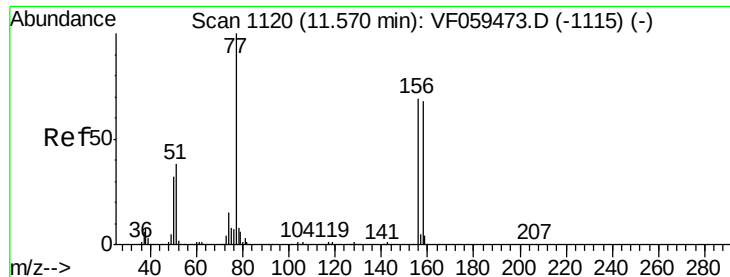
Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion:	75	Resp:	51390
Ion Ratio	Lower	Upper	
75	100		
77	37.5	16.9	50.6





#77

Bromobenzene

Concen: 20.77 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

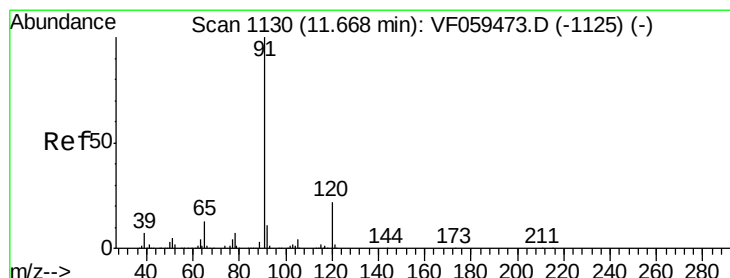
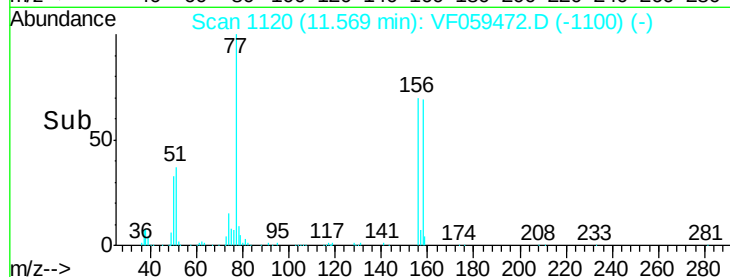
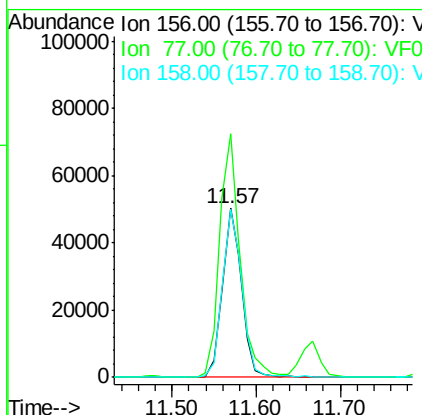
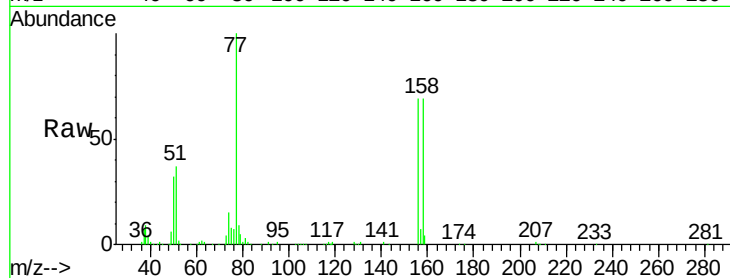
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	79046
Ion Ratio	Lower	Upper	
156	100		
77	144.2	72.4	217.2
158	99.3	49.5	148.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.98 ug/l

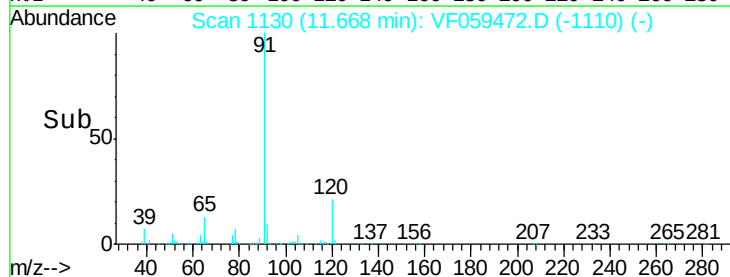
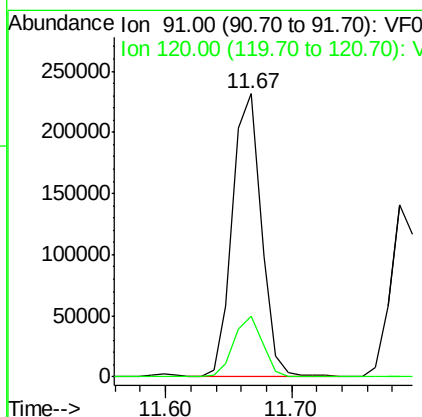
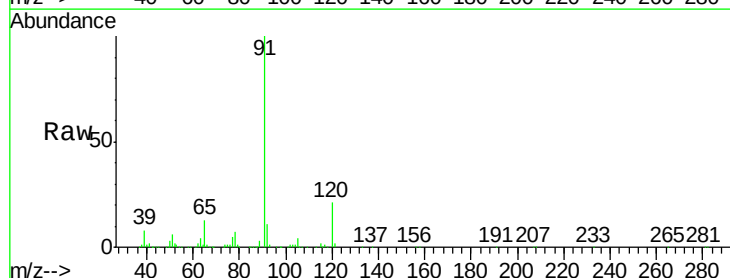
RT: 11.67 min Scan# 1130

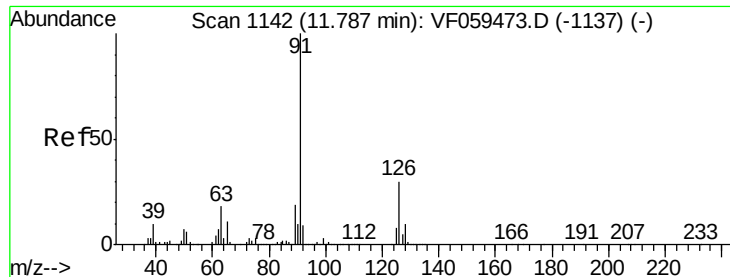
Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion:	91	Resp:	364860
Ion Ratio	Lower	Upper	
91	100		
120	21.3	11.1	33.1





#79

2-Chlorotoluene

Concen: 21.47 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 218573

Ion Ratio Lower Upper

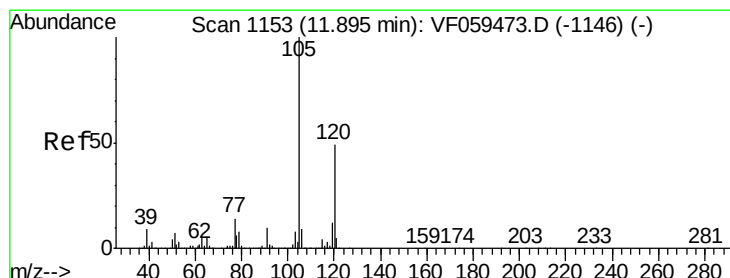
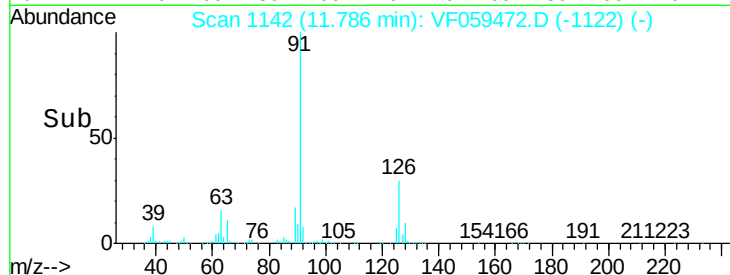
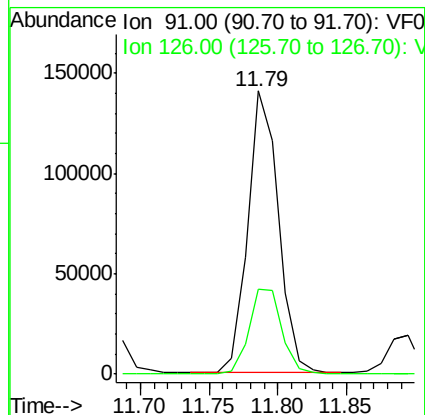
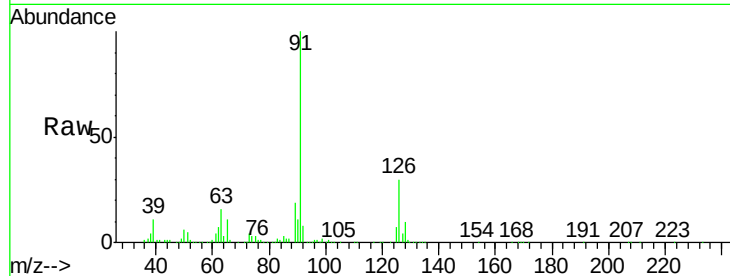
91 100

126 29.8 15.2 45.5

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#80

1,3,5-Trimethylbenzene

Concen: 21.67 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF059472.D

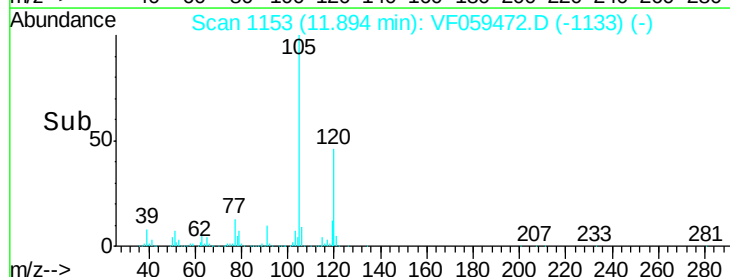
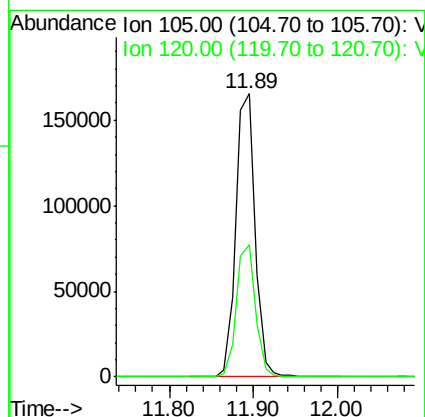
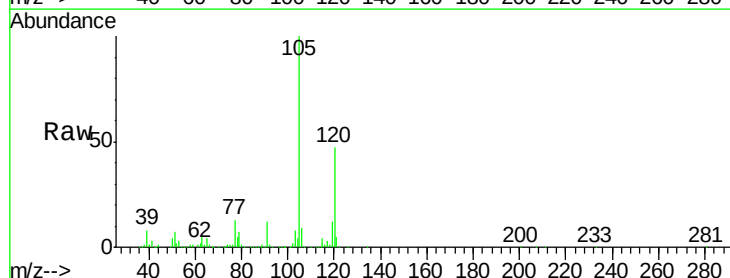
Acq: 7 Jul 2018 3:00

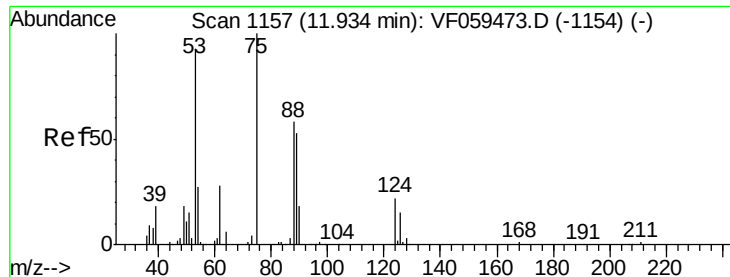
Tgt Ion: 105 Resp: 264253

Ion Ratio Lower Upper

105 100

120 46.8 24.4 73.2





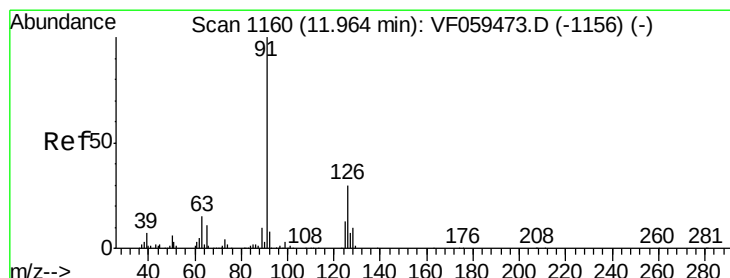
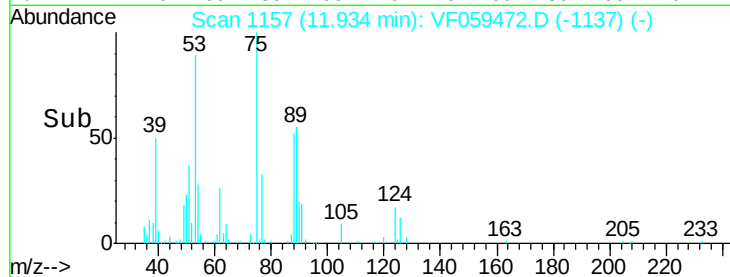
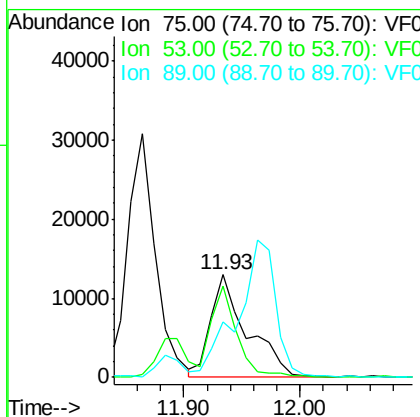
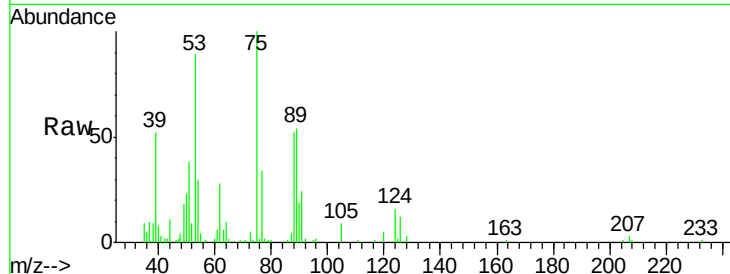
#81
trans-1,4-Dichloro-2-butene
Concen: 18.61 ug/l
RT: 11.93 min Scan# 1157
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.4	79.0	118.6
89	53.9	45.9	68.9

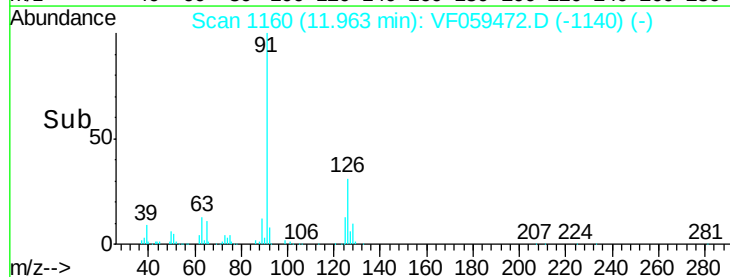
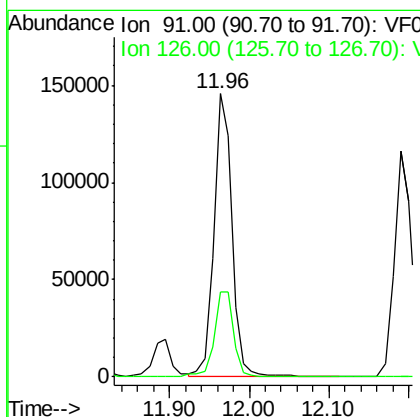
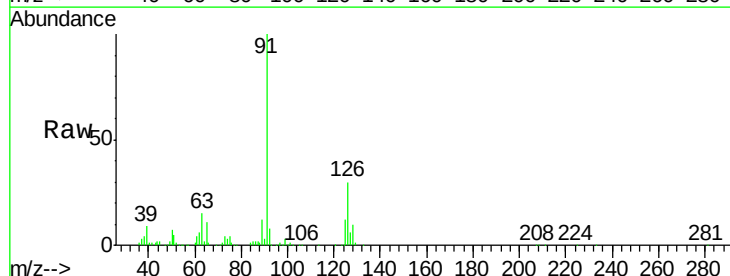
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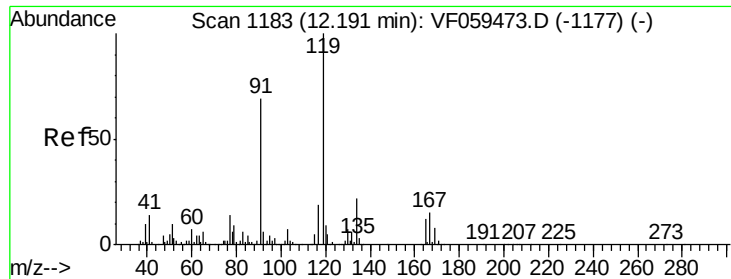
apatel
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#82
4-Chlorotoluene
Concen: 21.47 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.9	44.5





#83

tert-Butylbenzene

Concen: 21.83 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

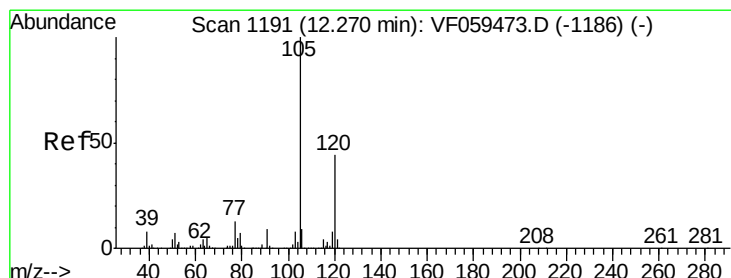
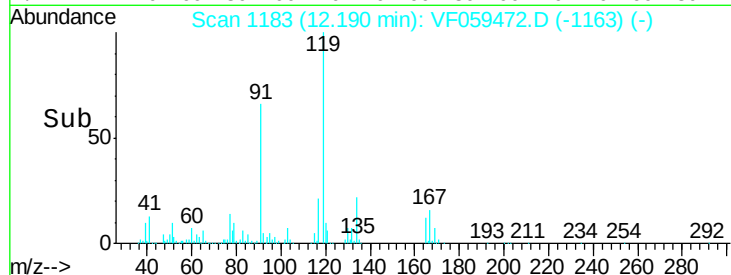
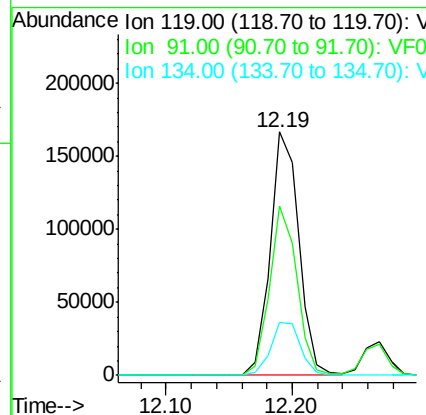
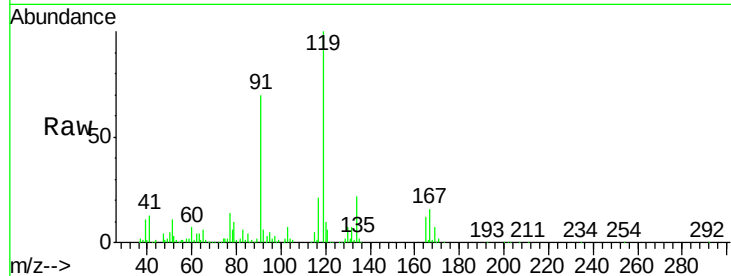
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	263323
Ion Ratio	Lower	Upper	
119	100		
91	69.8	34.4	103.3
134	21.7	10.8	32.4

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#84

1,2,4-Trimethylbenzene

Concen: 22.10 ug/l

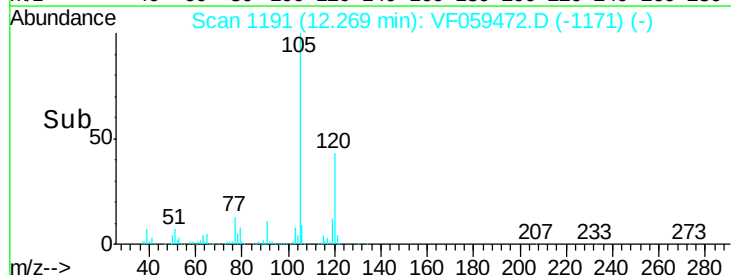
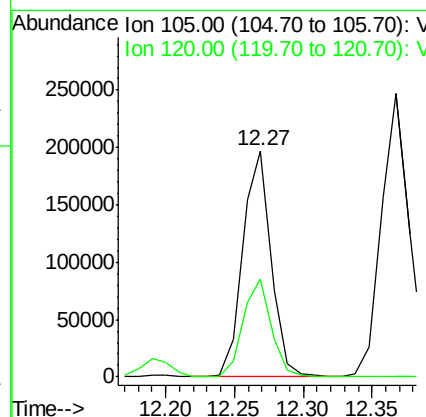
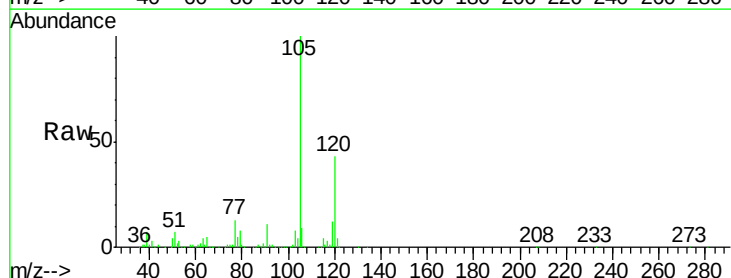
RT: 12.27 min Scan# 1191

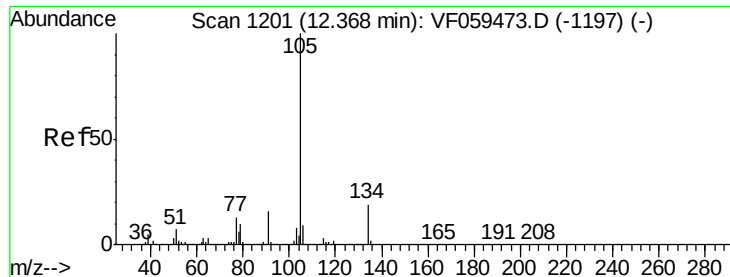
Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion:	105	Resp:	281372
Ion Ratio	Lower	Upper	
105	100		
120	43.3	22.1	66.1





#85

sec-Butylbenzene

Concen: 21.49 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 345799

Ion Ratio Lower Upper

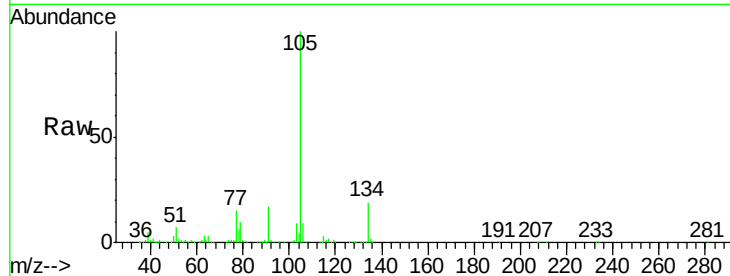
105 100

134 18.9 9.6 28.6

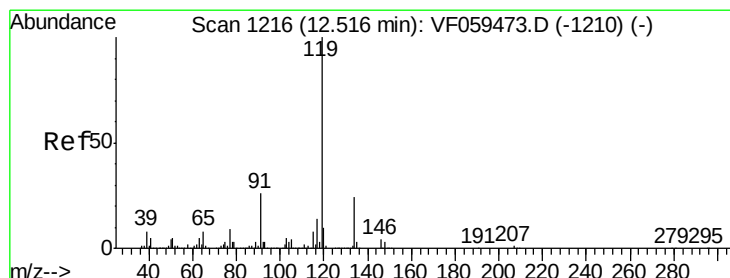
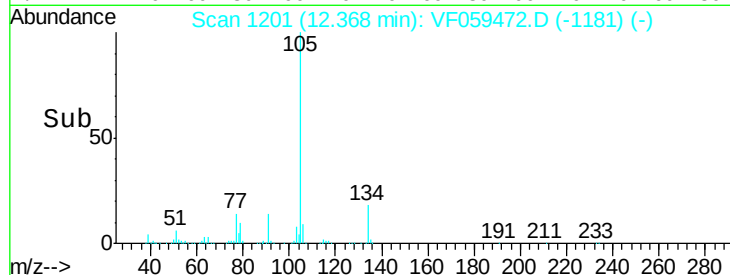
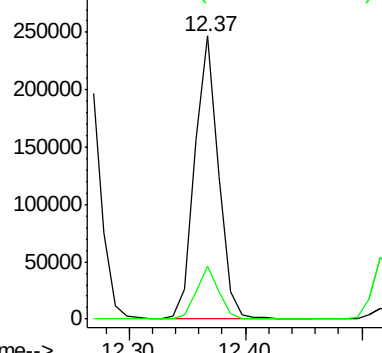
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.15 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

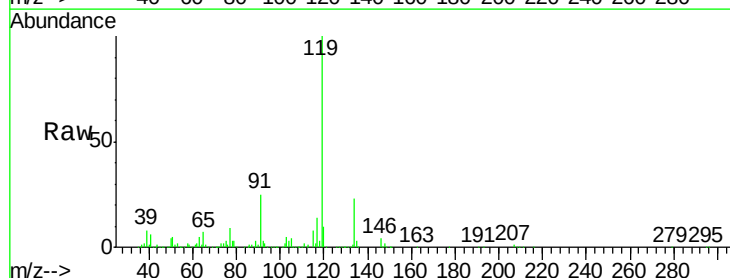
Tgt Ion:119 Resp: 313417

Ion Ratio Lower Upper

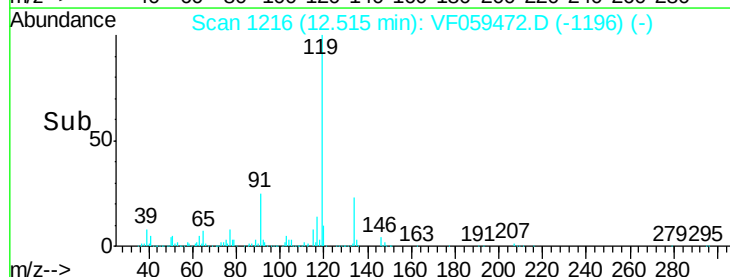
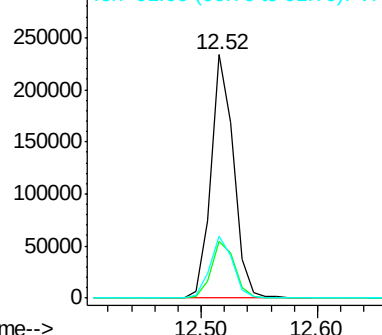
119 100

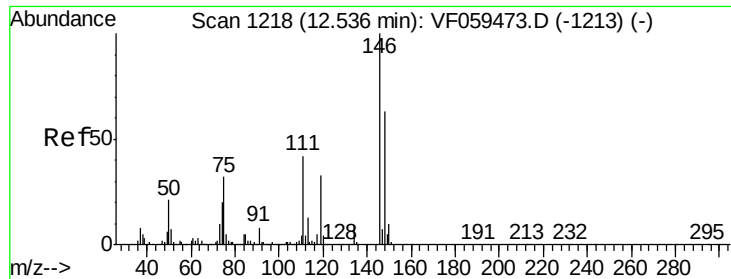
134 23.3 12.2 36.4

91 25.2 13.1 39.3



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





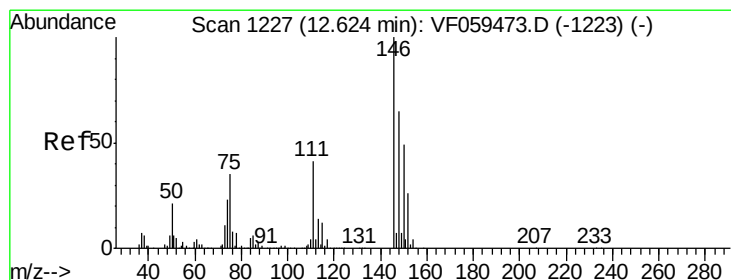
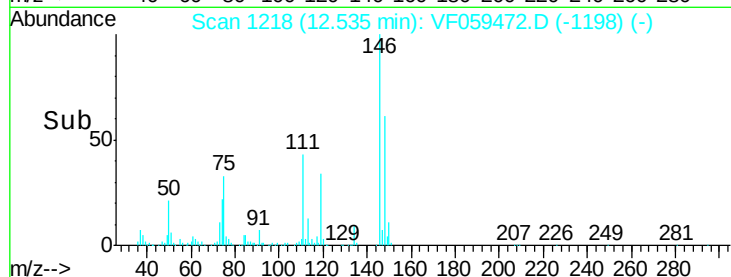
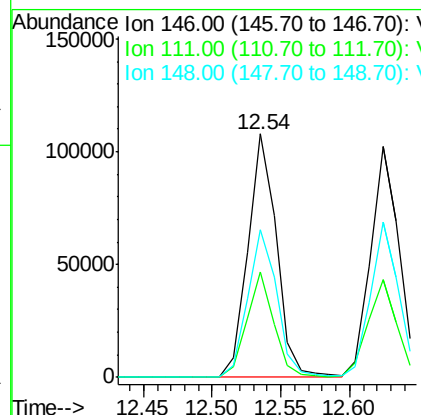
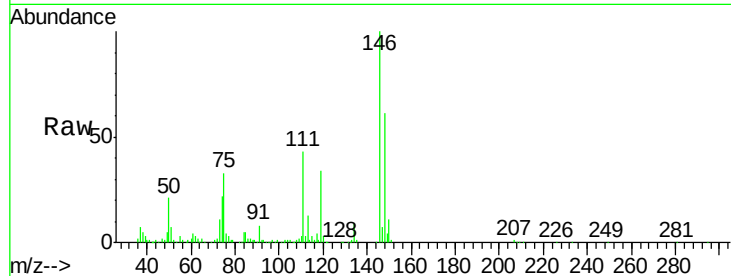
#87
 1,3-Dichlorobenzene
 Concen: 22.27 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059472.D
 Acq: 7 Jul 2018 3:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	157636		
111	43.4	21.0	63.0	
148	60.6	31.6	94.8	

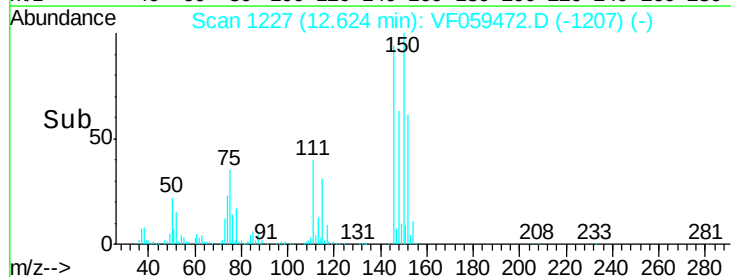
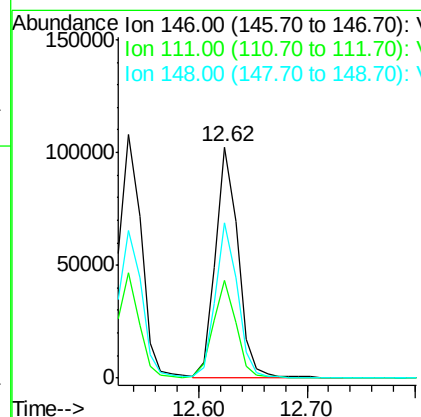
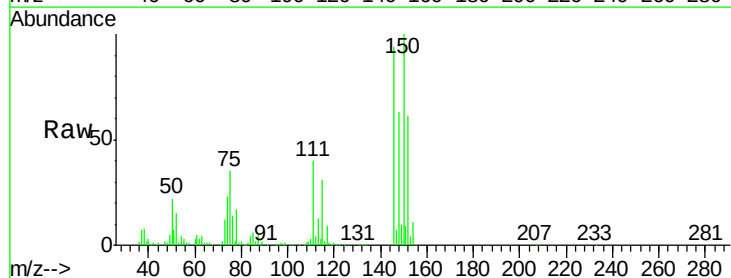
Manual Integrations
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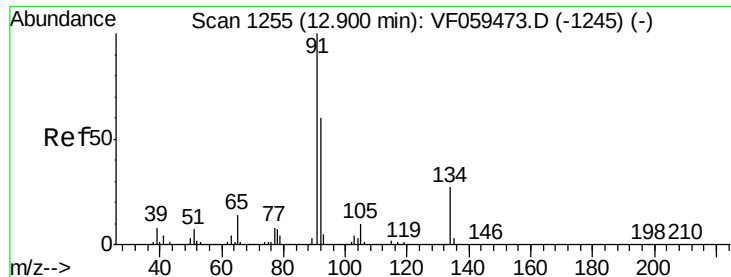
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#88
 1,4-Dichlorobenzene
 Concen: 21.71 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF059472.D
 Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	149316		
111	42.5	20.8	62.2	
148	67.4	32.6	97.8	





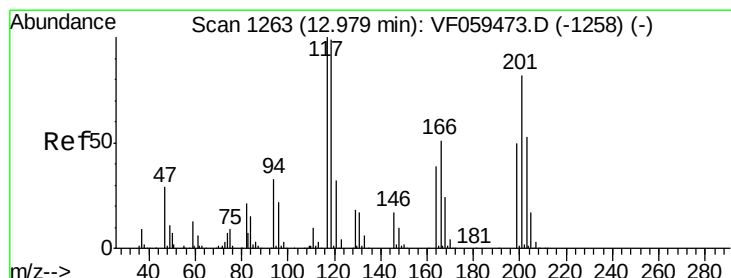
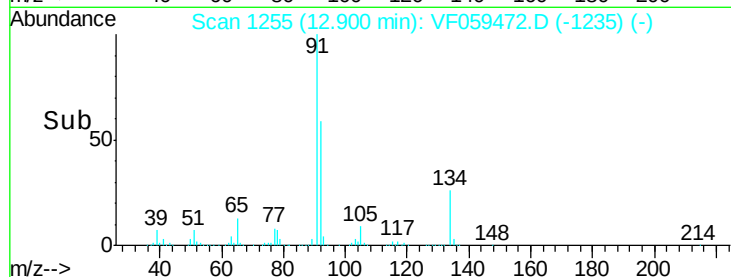
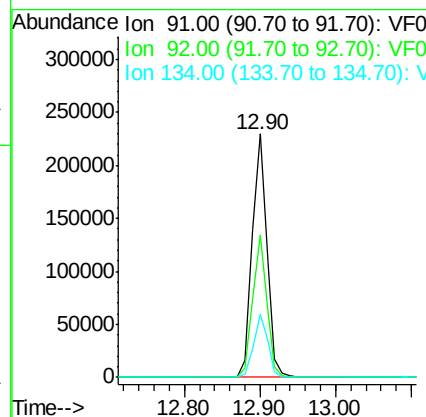
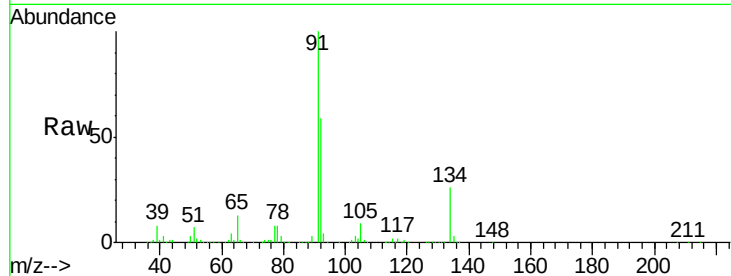
#89
n-Butylbenzene
Concen: 22.35 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.5	30.0	90.1
134	26.2	13.3	39.9

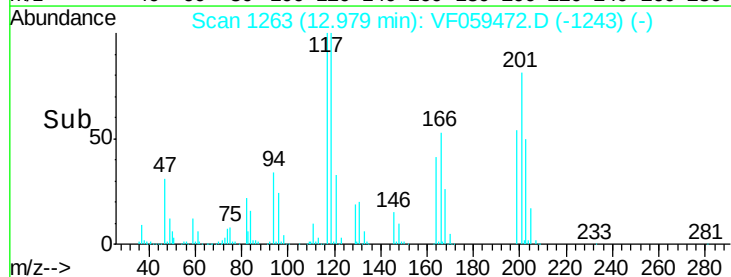
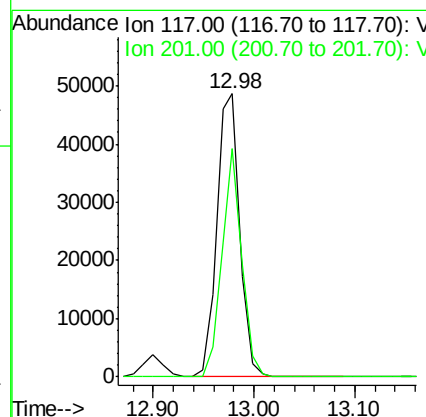
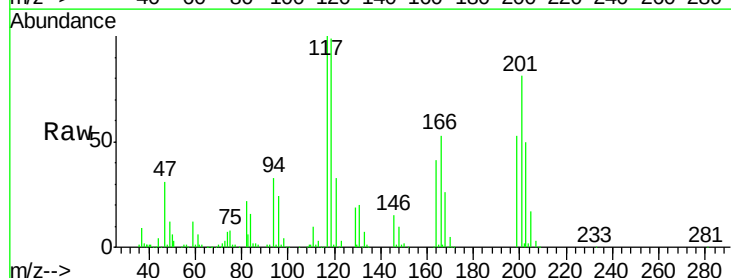
Manual Integrations
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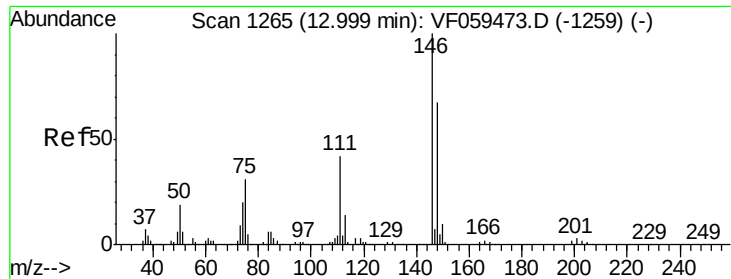
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#90
Hexachloroethane
Concen: 22.88 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	40.6	121.8





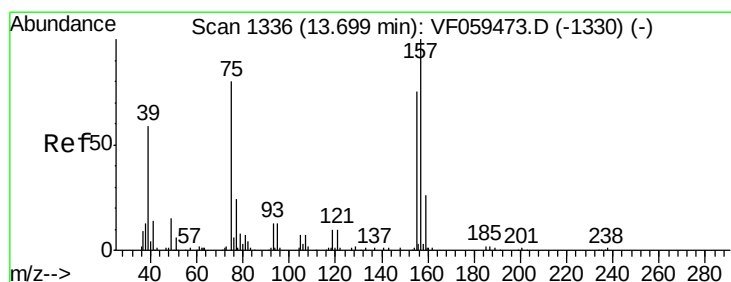
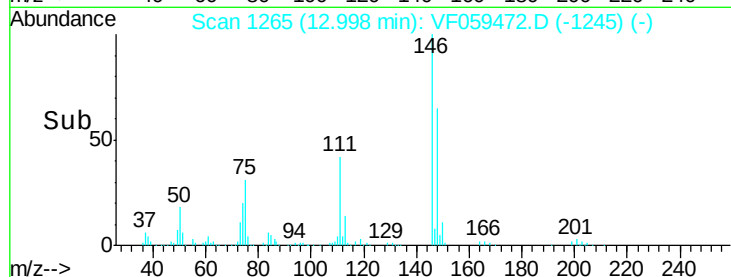
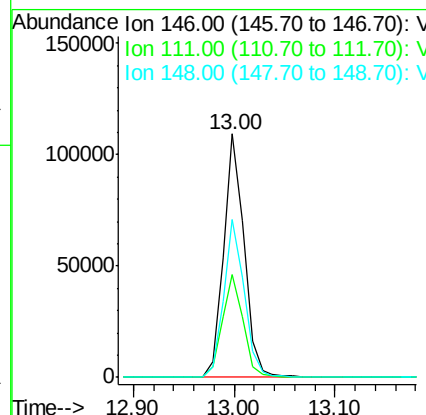
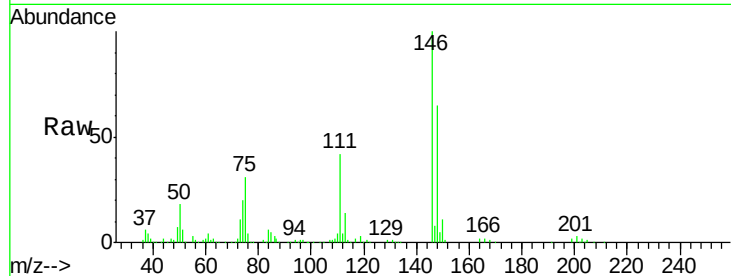
#91
 1,2-Dichlorobenzene
 Concen: 22.50 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF059472.D
 Acq: 7 Jul 2018 3:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	64.8	33.3	99.9

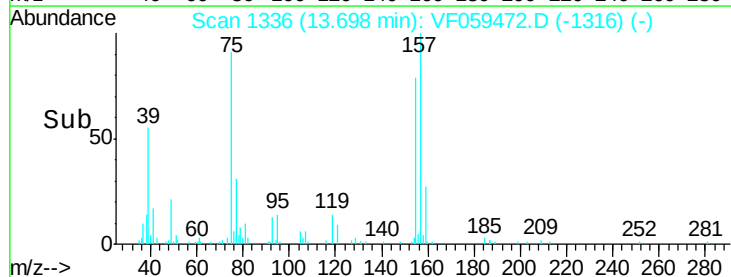
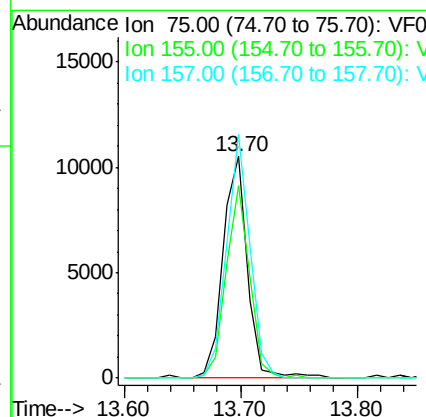
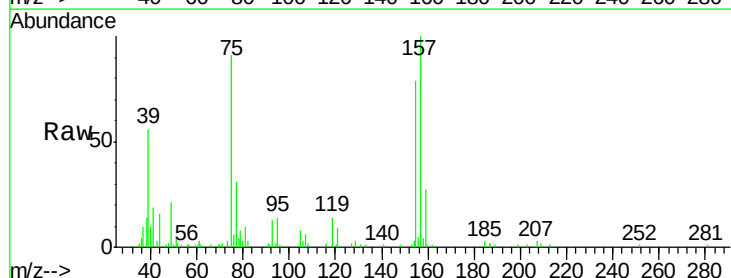
Manual Integrations
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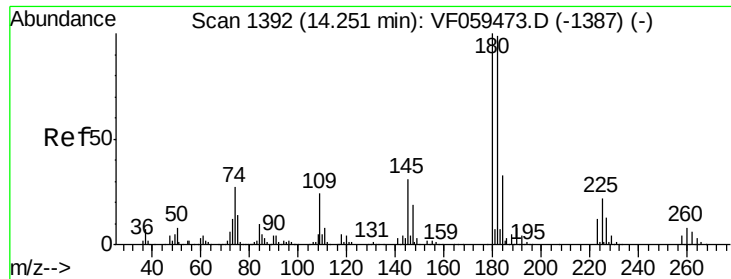
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.73 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VF059472.D
 Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	47.3	141.8
157	110.0	62.6	187.8





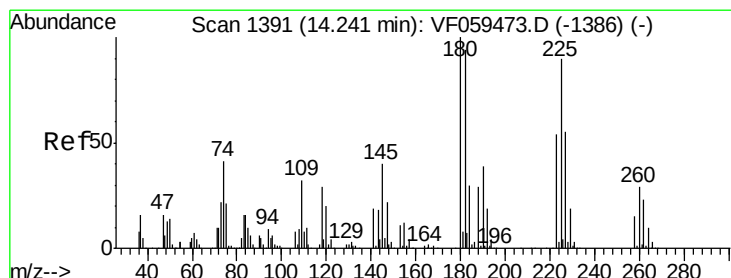
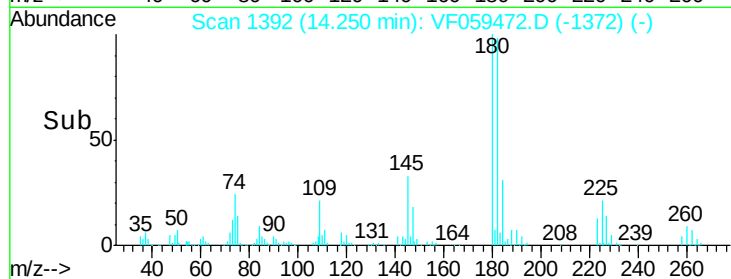
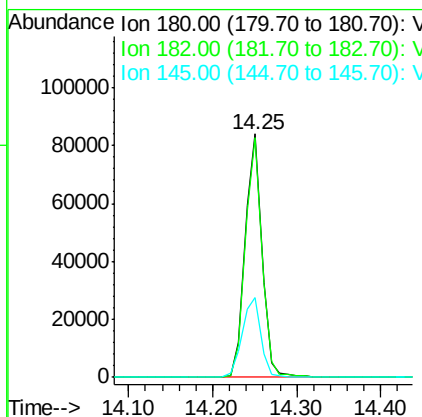
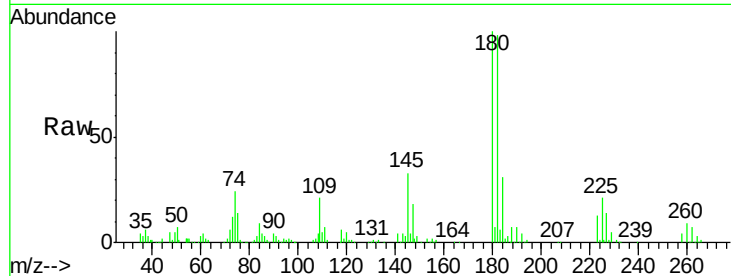
#93
1,2,4-Trichlorobenzene
Concen: 22.79 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.4	49.5	148.7	
145	32.8	15.4	46.2	

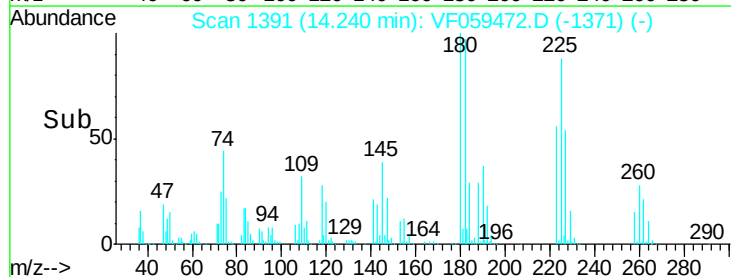
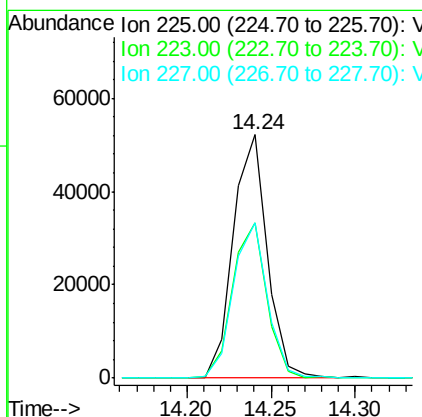
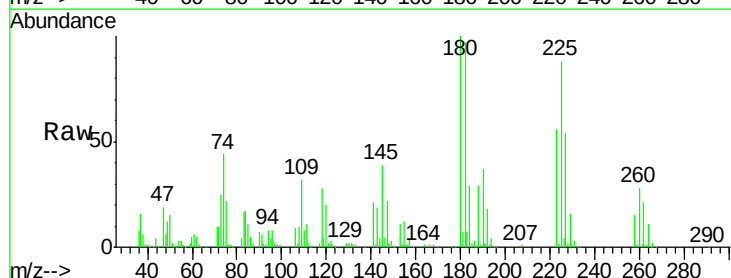
Manual Integrations
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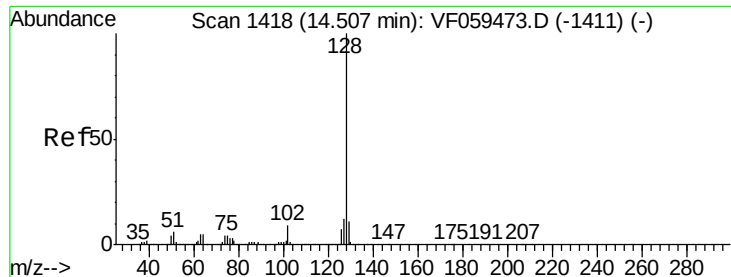
apatel
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#94
Hexachlorobutadiene
Concen: 24.72 ug/l
RT: 14.24 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VF059472.D
Acq: 7 Jul 2018 3:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	30.1	90.5	
227	63.6	30.8	92.4	





#95

Naphthalene

Concen: 20.78 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Instrument :

MSVOA_F

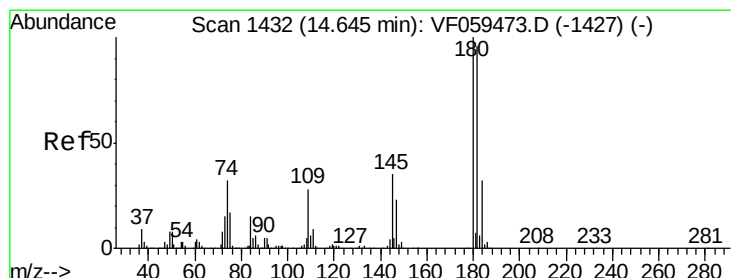
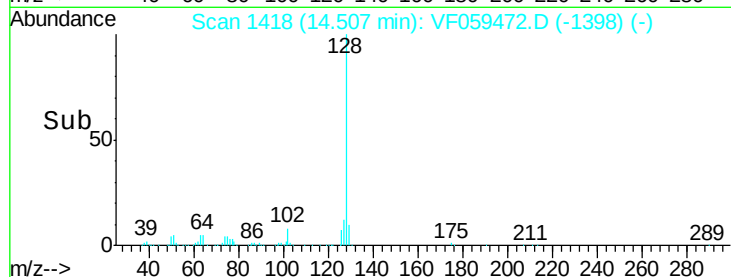
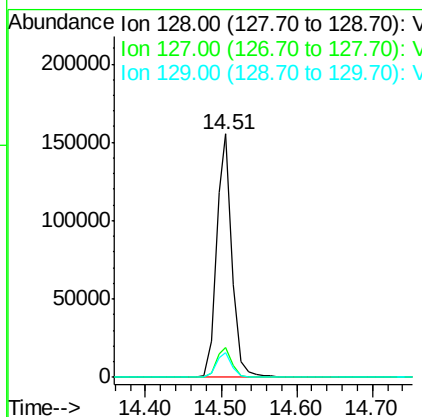
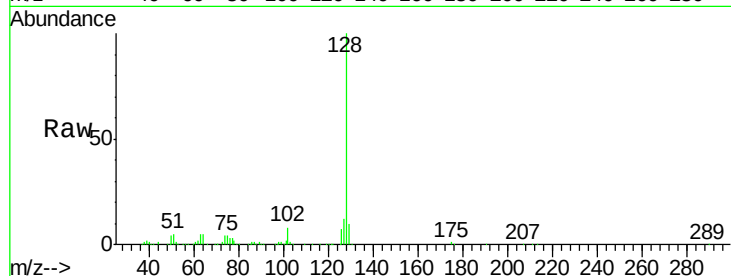
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	223989
Ion Ratio	Lower	Upper	
128	100		
127	12.3	9.9	14.9
129	10.1	9.0	13.6

Manual Integrations
APPROVED

apatel
7/9/2018 9:34:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.97 ug/l

RT: 14.64 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VF059472.D

Acq: 7 Jul 2018 3:00

Tgt Ion:	180	Resp:	112576
Ion Ratio	Lower	Upper	
180	100		
182	97.7	47.9	143.7
145	34.8	17.5	52.5

