

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059519.D
 Acq On : 18 Jul 2018 18:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/19/2018 10:18:18 AM

Quant Time: Jul 19 05:08:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	276424	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.75	114	390508	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.91	117	397690	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	239049	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	207619	48.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	4.28	113	168594	49.85	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.70%	
50) Toluene-d8	7.70	98	413436	48.53	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	11.50	95	233970	52.35	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	157331	46.46	ug/l	97
3) Chloromethane	1.09	50	78727	42.25	ug/l	99
4) Vinyl Chloride	1.14	62	91087	48.44	ug/l	100
5) Bromomethane	1.33	94	65381	50.17	ug/l	99
6) Chloroethane	1.42	64	51650	54.48	ug/l	91
7) Trichlorofluoromethane	1.48	101	227662m	49.47	ug/l	
8) Diethyl Ether	1.70	74	44605	50.37	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.88	101	103103	53.05	ug/l	97
10) Methyl Iodide	1.95	142	201664	59.28	ug/l	95
11) Tert butyl alcohol	2.67	59	55759	310.92	ug/l #	81
12) 1,1-Dichloroethene	1.84	96	98756	47.78	ug/l	100
13) Acrolein	2.08	56	22116	299.72	ug/l	83
14) Allyl chloride	2.18	41	165031	63.99	ug/l	93
15) Acrylonitrile	3.07	53	99117	274.80	ug/l	97
16) Acetone	2.33	43	241441	391.62	ug/l	99
17) Carbon Disulfide	1.87	76	239601	45.24	ug/l	96
18) Methyl Acetate	2.44	43	63742m	48.45	ug/l	
19) Methyl tert-butyl Ether	2.52	73	321043	49.52	ug/l	96
20) Methylene Chloride	2.31	84	102414m	53.09	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	94512	49.46	ug/l	98
22) Diisopropyl ether	2.91	45	351666	48.52	ug/l #	95
23) Vinyl Acetate	3.31	43	1067392	252.00	ug/l	97
24) 1,1-Dichloroethane	2.99	63	232372	51.91	ug/l	99
25) 2-Butanone	4.49	43	255549	256.03	ug/l	99
26) 2,2-Dichloropropane	3.75	77	159701	53.93	ug/l	95
27) cis-1,2-Dichloroethene	3.62	96	122890	55.26	ug/l	92
28) Bromochloromethane	3.88	49	91975	46.68	ug/l #	98
29) Tetrahydrofuran	4.23	42	112910	280.60	ug/l	96
30) Chloroform	4.02	83	321070	49.65	ug/l	98
31) Cyclohexane	3.85	56	131639	56.77	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	248404	59.11	ug/l	98
36) 1,1-Dichloropropene	4.45	75	198031	50.66	ug/l	97
37) Ethyl Acetate	4.27	43	113132	54.22	ug/l #	21
38) Carbon Tetrachloride	4.16	117	267300m	59.67	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	168420	56.78	ug/l	98
40) Benzene	4.79	78	390713	51.52	ug/l	98
41) Methacrylonitrile	4.90	41	55891	49.86	ug/l #	88
42) 1,2-Dichloroethane	5.11	62	267946	53.79	ug/l	99
43) Isopropyl Acetate	7.10	43	146001	51.98	ug/l	98
44) Trichloroethene	5.66	130	139787	49.80	ug/l	89
45) 1,2-Dichloropropane	6.39	63	103322	49.09	ug/l	100
46) Dibromomethane	6.24	93	97524	50.88	ug/l	94
47) Bromodichloromethane	6.54	83	256578	52.00	ug/l	99
48) Methyl methacrylate	6.86	41	104838	52.26	ug/l	96
49) 1,4-Dioxane	6.84	88	12817	1491.31	ug/l #	83
51) 4-Methyl-2-Pentanone	8.39	43	497221	249.74	ug/l	98
52) Toluene	7.77	92	264772	48.14	ug/l	91
53) t-1,3-Dichloropropene	8.42	75	224207	49.40	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	235484	52.11	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	115789	54.34	ug/l	97
56) Ethyl methacrylate	8.75	69	142415	53.89	ug/l	90
57) 1,3-Dichloropropane	8.99	76	185793	49.31	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	55525	238.00	ug/l	100
59) 2-Hexanone	9.62	43	405793	269.69	ug/l	97
60) Dibromochloromethane	8.85	129	198168	55.18	ug/l	97
61) 1,2-Dibromoethane	9.12	107	137879	52.15	ug/l	95
64) Tetrachloroethene	8.29	164	143737	48.53	ug/l	98
65) Chlorobenzene	9.93	112	382348	51.26	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	163970	48.27	ug/l	99
67) Ethyl Benzene	10.03	91	656471	49.45	ug/l	98
68) m/p-Xylenes	10.26	106	463611	98.94	ug/l	99
69) o-Xylene	10.82	106	248979	49.90	ug/l	94
70) Styrene	10.89	104	374463	48.83	ug/l	98
71) Bromoform	10.88	173	123450	52.32	ug/l #	97
73) Isopropylbenzene	11.22	105	763142	50.59	ug/l	100
74) N-amyl acetate	11.46	43	231030	47.82	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	155644	47.31	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	134702	50.14	ug/l	92
77) Bromobenzene	11.59	156	202933	48.00	ug/l	98
78) n-propylbenzene	11.68	91	886438	51.23	ug/l	100
79) 2-Chlorotoluene	11.81	91	528205	49.56	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	650067	51.43	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	57981m	47.24	ug/l	
82) 4-Chlorotoluene	11.99	91	591268	49.51	ug/l	89
83) tert-Butylbenzene	12.20	119	630031	51.94	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	660214	50.77	ug/l	99
85) sec-Butylbenzene	12.38	105	811908	52.63	ug/l	98
86) p-Isopropyltoluene	12.53	119	710279	52.91	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	364495	50.25	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	358424	50.15	ug/l	97
89) n-Butylbenzene	12.91	91	698866	55.63	ug/l	97
90) Hexachloroethane	12.99	117	170369	55.87	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	338908	48.85	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	38298	51.38	ug/l #	64

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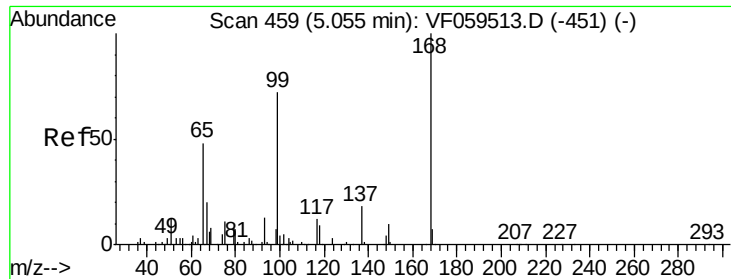
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	253022	60.02	ug/l	97
94) Hexachlorobutadiene	14.25	225	150988	69.92	ug/l	96
95) Naphthalene	14.52	128	499464	57.04	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	228376m	59.96	ug/l	

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.03 min

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Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 276424

Ion Ratio Lower Upper

168 100

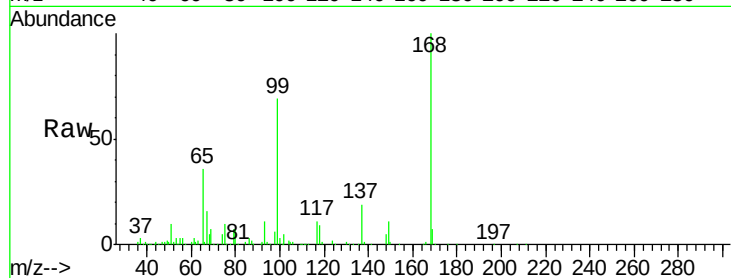
99 68.9 57.6 86.4

Manual Integrations

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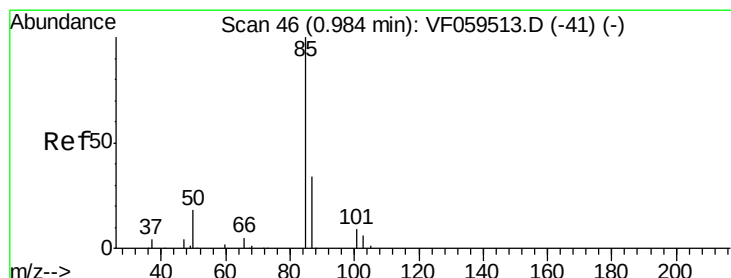
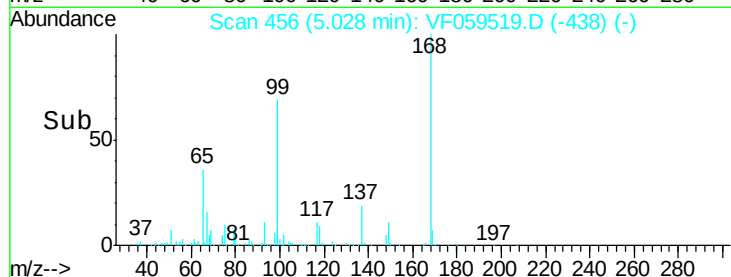
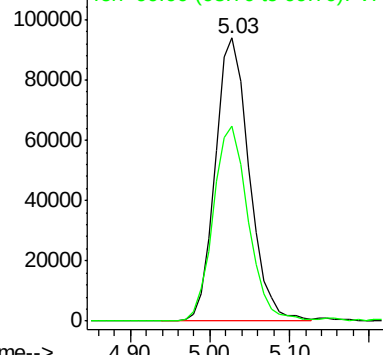
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 46.46 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059519.D

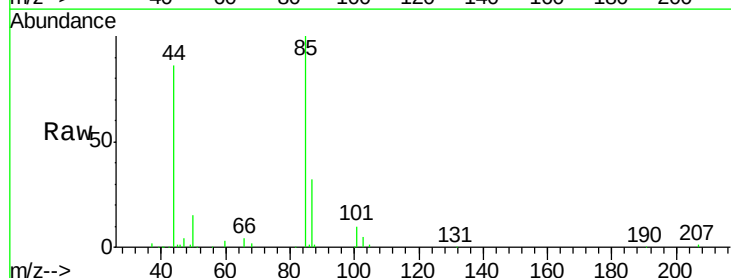
Acq: 18 Jul 2018 18:04

Tgt Ion: 85 Resp: 157331

Ion Ratio Lower Upper

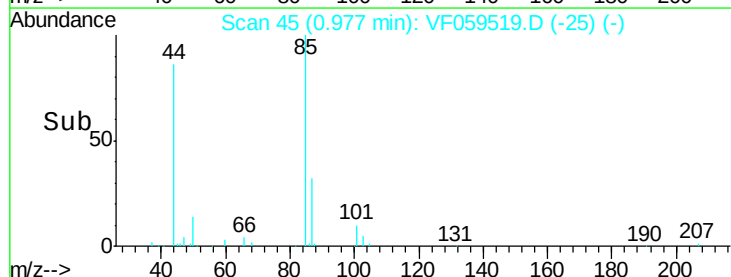
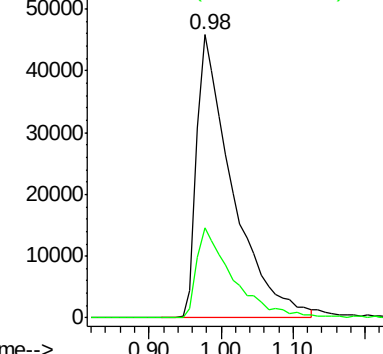
85 100

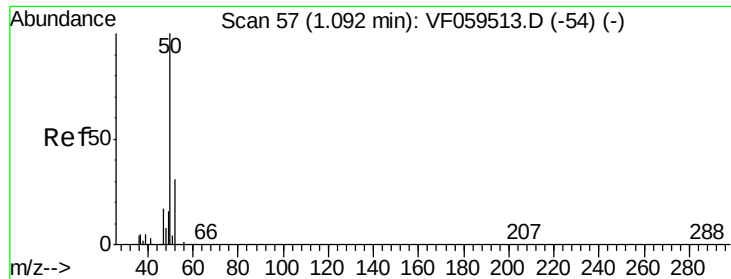
87 31.8 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 42.25 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 78727

Ion Ratio Lower Upper

50 100

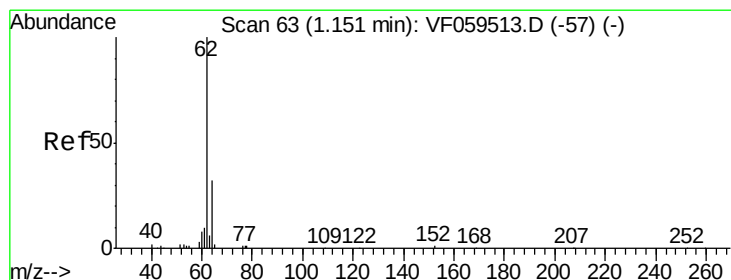
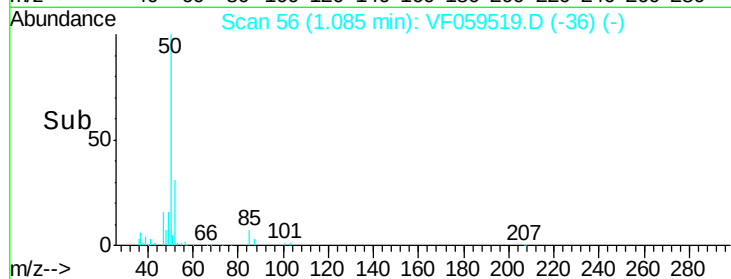
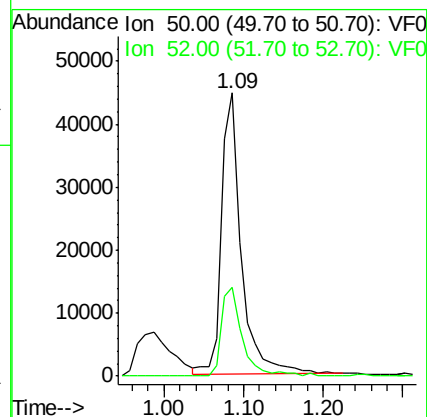
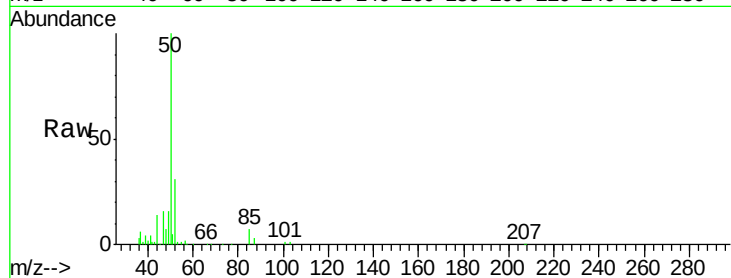
52 31.4 24.6 37.0

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#4

Vinyl Chloride

Concen: 48.44 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059519.D

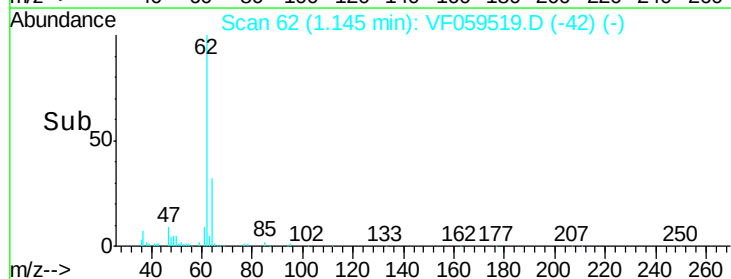
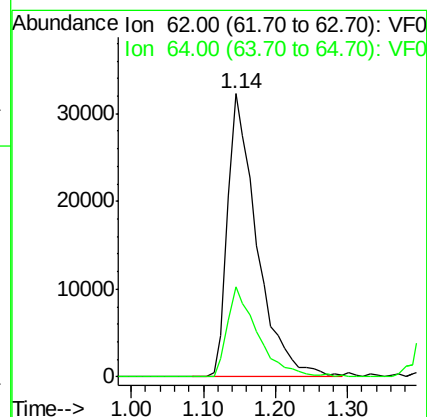
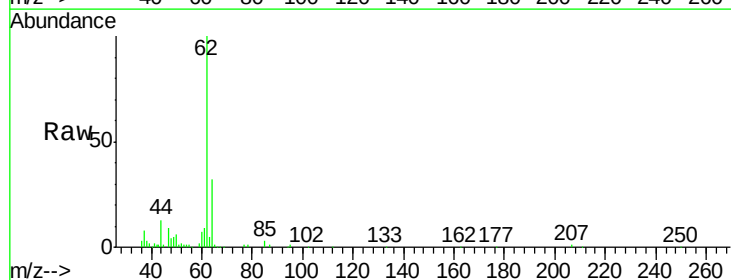
Acq: 18 Jul 2018 18:04

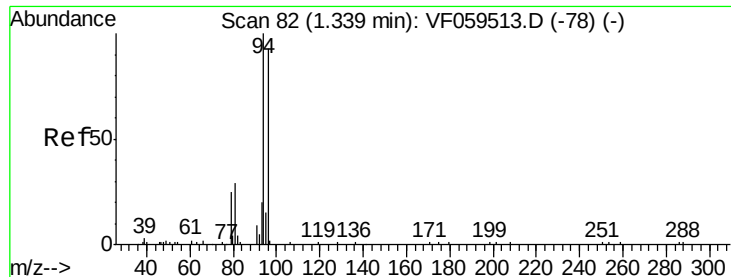
Tgt Ion: 62 Resp: 91087

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5





#5

Bromomethane

Concen: 50.17 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 65381

Ion Ratio Lower Upper

94 100

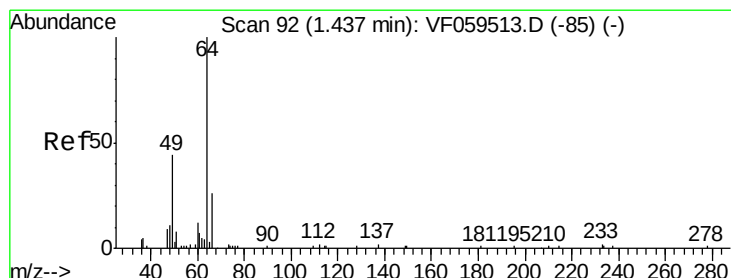
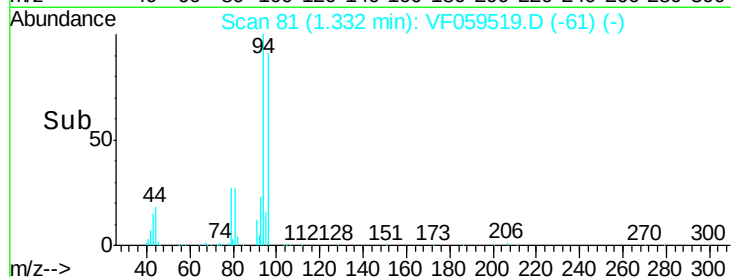
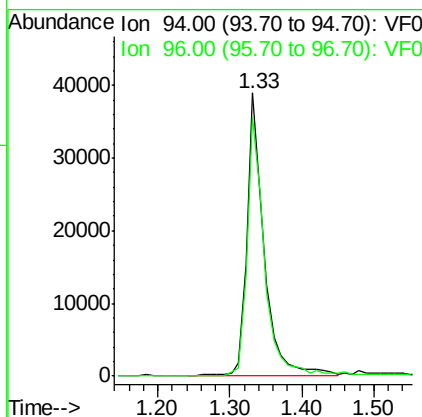
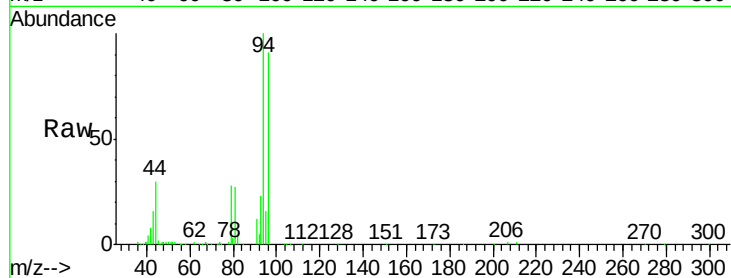
96 91.5 74.2 111.2

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#6

Chloroethane

Concen: 54.48 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059519.D

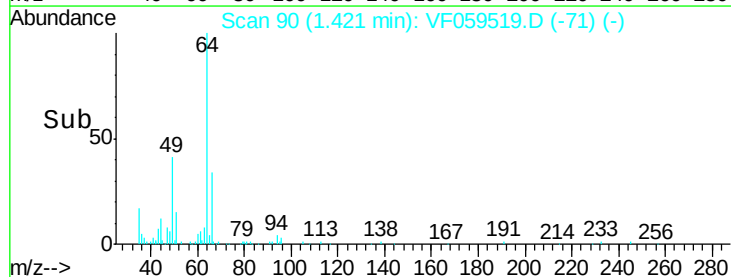
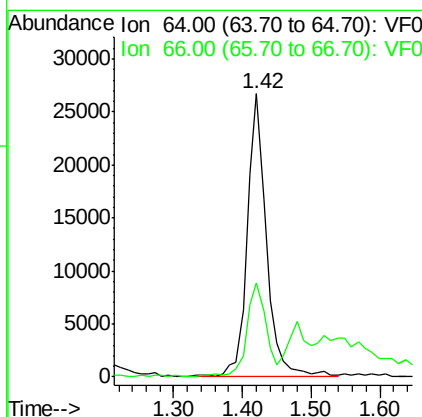
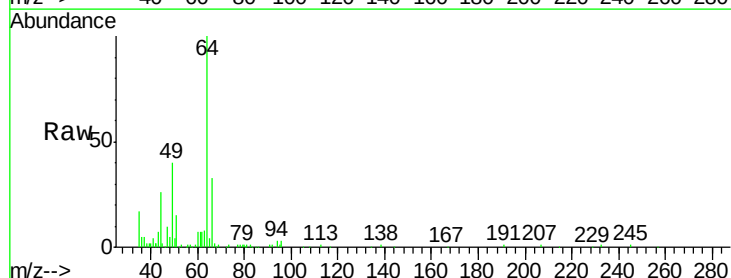
Acq: 18 Jul 2018 18:04

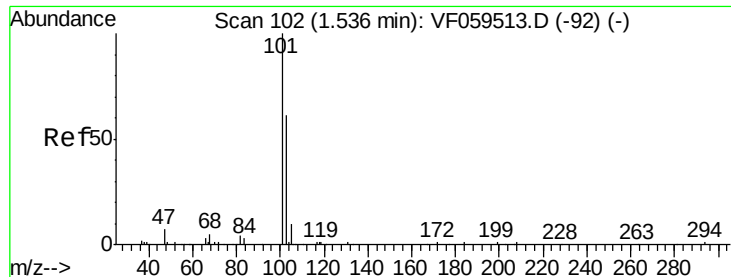
Tgt Ion: 64 Resp: 51650

Ion Ratio Lower Upper

64 100

66 33.2 22.9 34.3





#7

Trichlorofluoromethane

Concen: 49.47 ug/l m

RT: 1.48 min Scan# 96

Delta R.T. -0.06 min

Lab File: VF059519.D

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Tot Ion:101 Resp: 227662

Ion Ratio Lower Upper

101 100

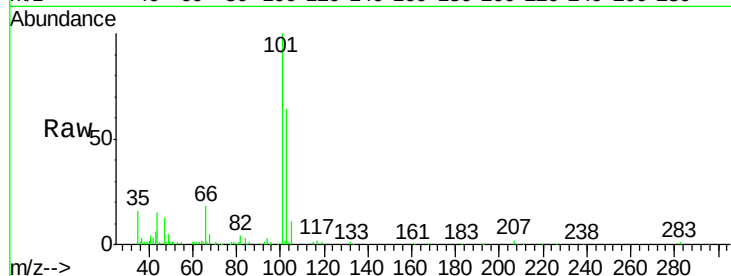
103 63.7 48.6 72.8

Manual Integrations

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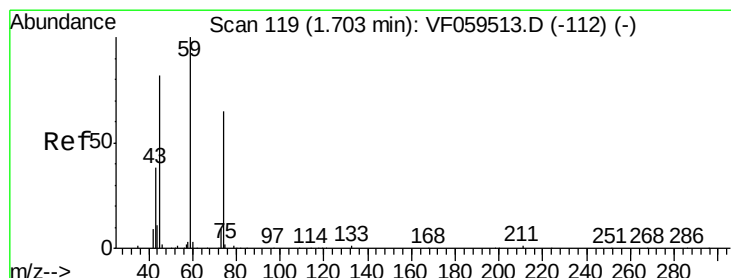
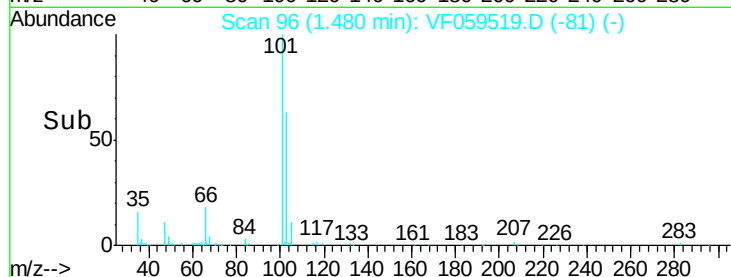
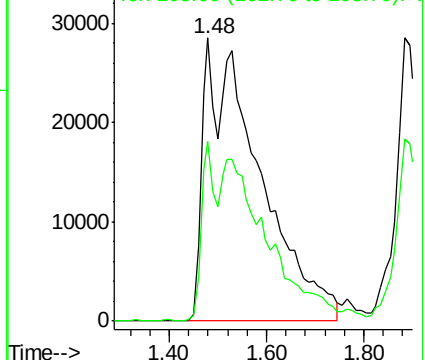
apatel

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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: 50.37 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059519.D

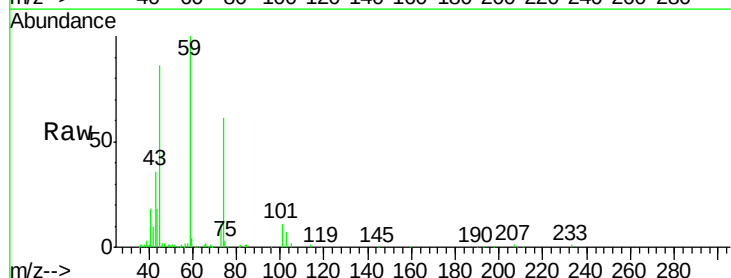
Acq: 18 Jul 2018 18:04

Tgt Ion: 74 Resp: 44605

Ion Ratio Lower Upper

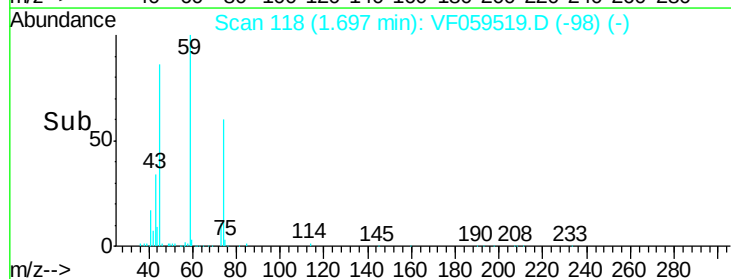
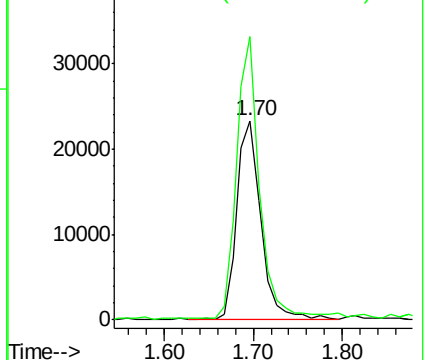
74 100

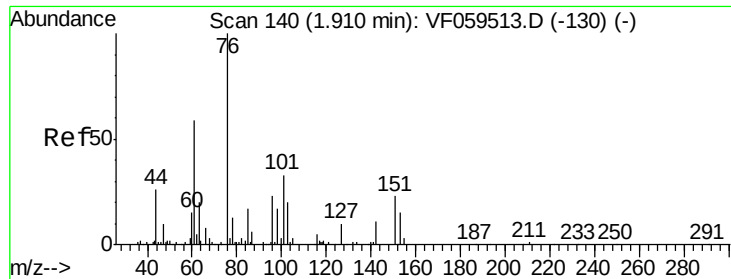
45 142.1 63.6 190.9



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: 53.05 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF059519.D

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Instrument :

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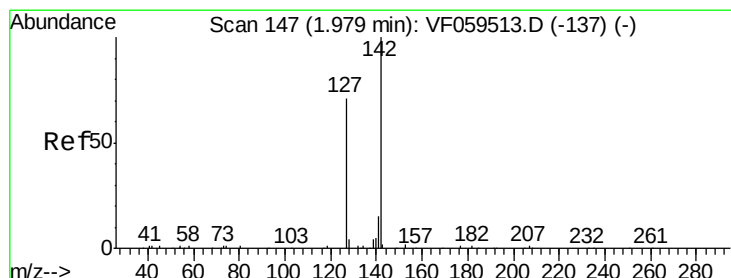
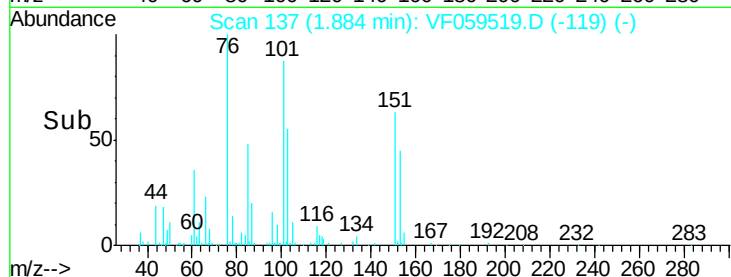
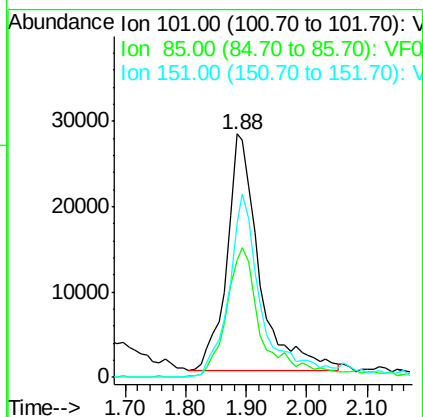
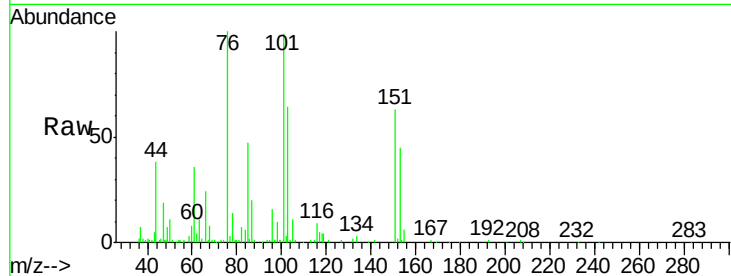
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	103103
Ion Ratio	Lower	Upper	
101	100		
85	49.7	39.8	59.6
151	63.4	54.2	81.2

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#10

Methyl Iodide

Concen: 59.28 ug/l

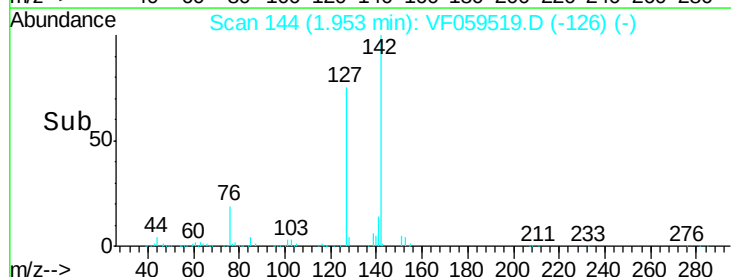
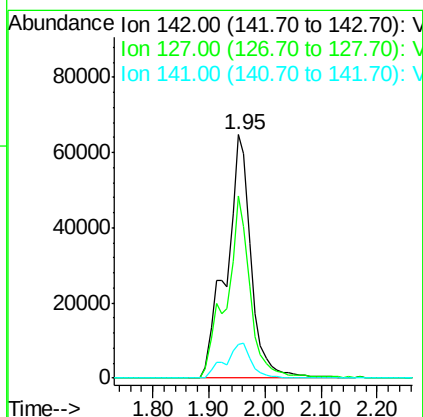
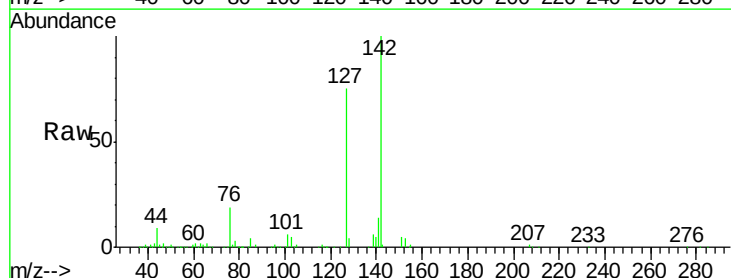
RT: 1.95 min Scan# 144

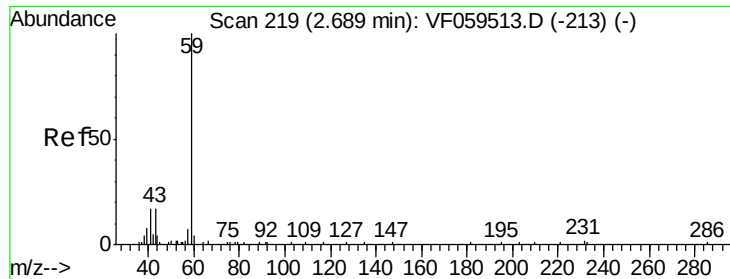
Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	142	Resp:	201664
Ion Ratio	Lower	Upper	
142	100		
127	74.8	56.4	84.6
141	14.0	12.0	18.0





#11

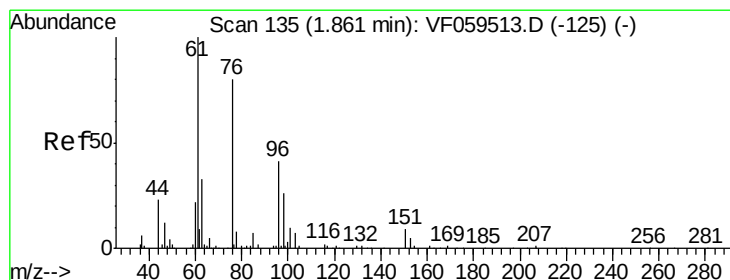
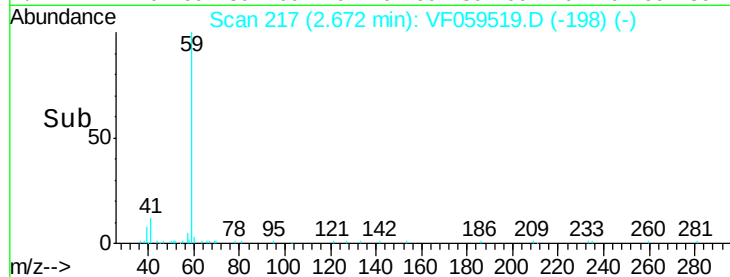
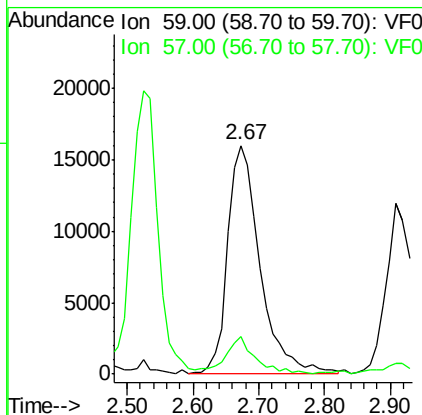
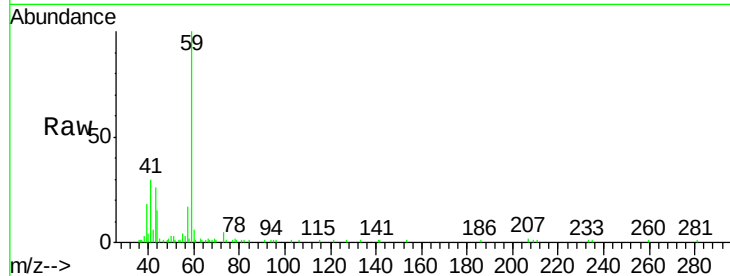
Tert butyl alcohol
Concen: 310.92 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.5	7.7	11.5#

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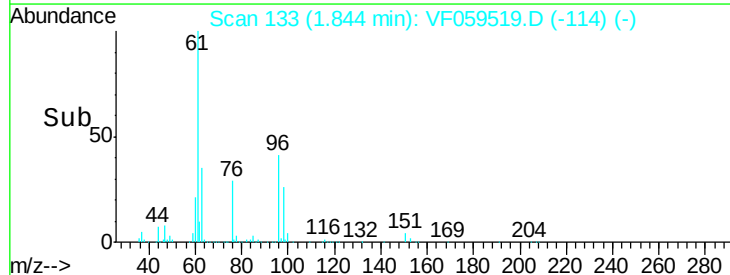
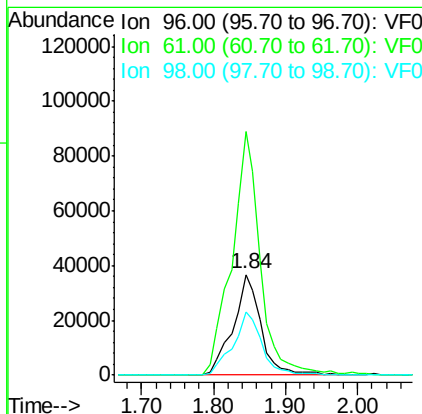
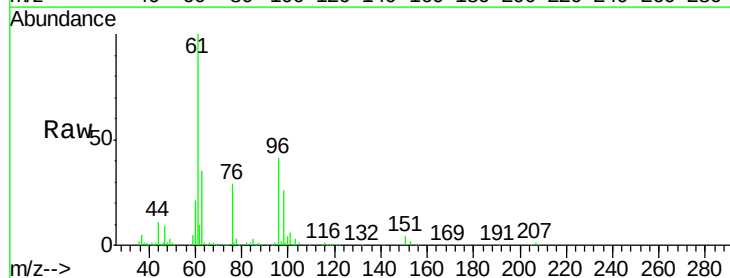
apatel
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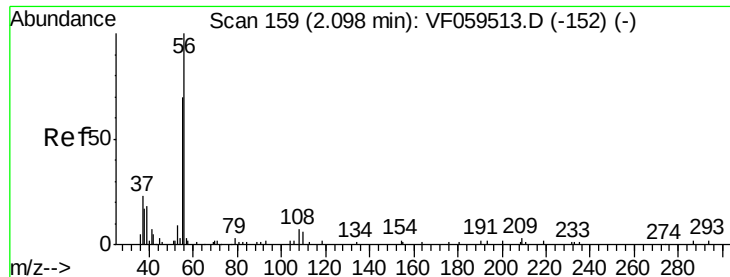


#12

1,1-Dichloroethene
Concen: 47.78 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	242.4	194.3	291.5
98	62.6	50.3	75.5





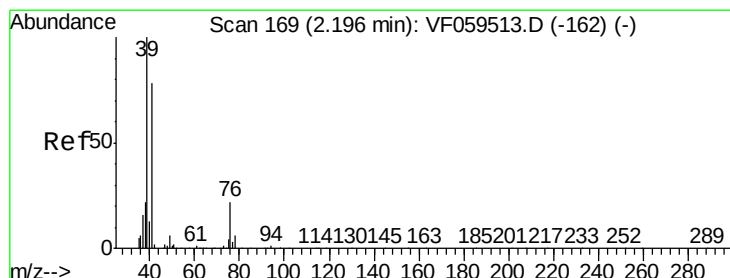
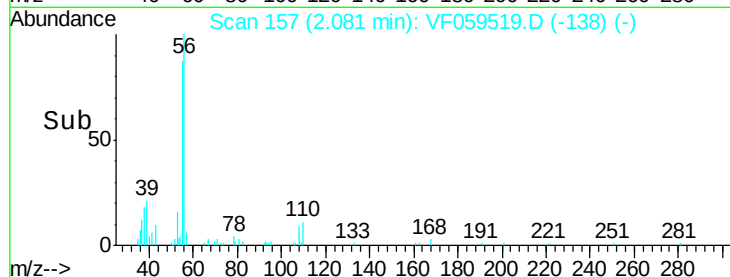
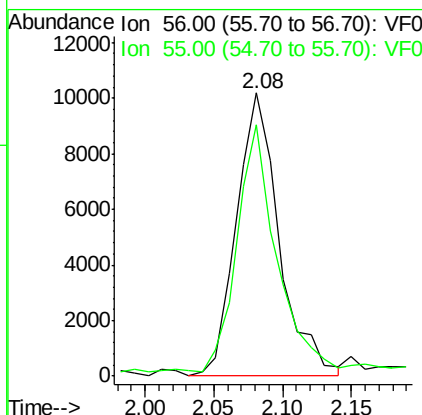
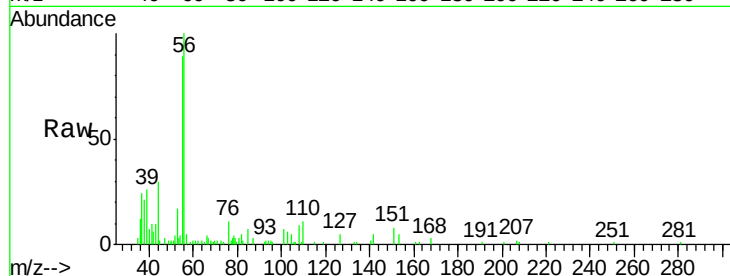
#13
Acrolein
Concen: 299.72 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	22116
Ion Ratio	100	Lower	Upper
56	100		
55	88.8	59.4	89.2

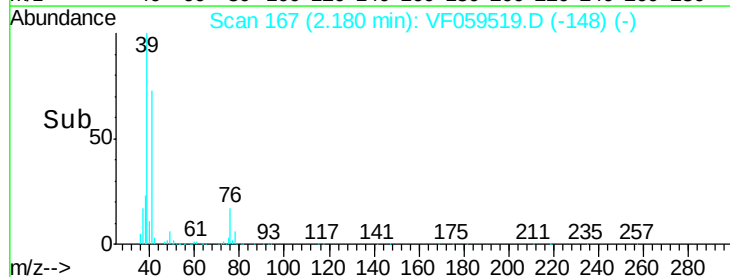
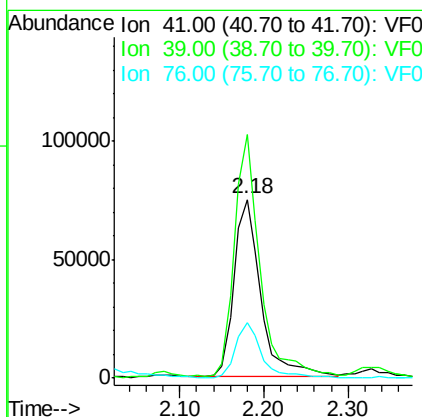
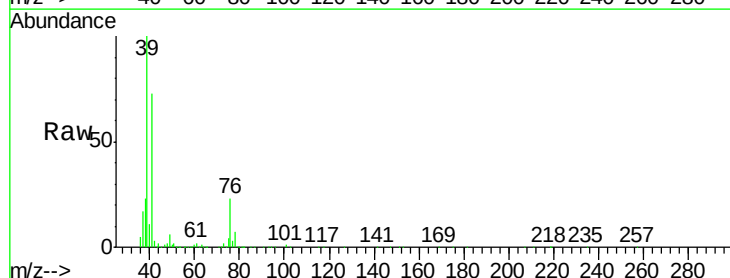
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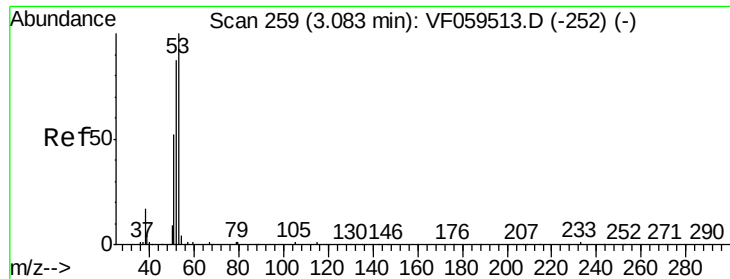
apatel
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#14
Allyl chloride
Concen: 63.99 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	41	Resp	165031
Ion Ratio	100	Lower	Upper
41	100		
39	136.4	103.0	154.4
76	31.3	22.6	34.0





#15

Acrylonitrile

Concen: 274.80 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

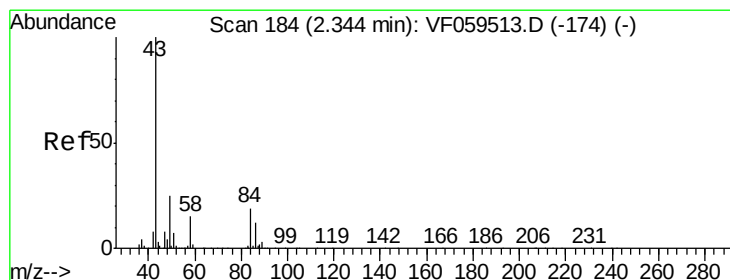
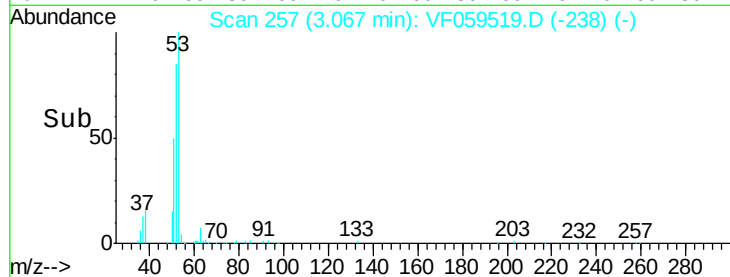
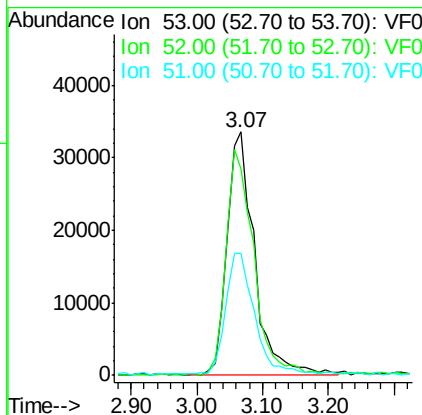
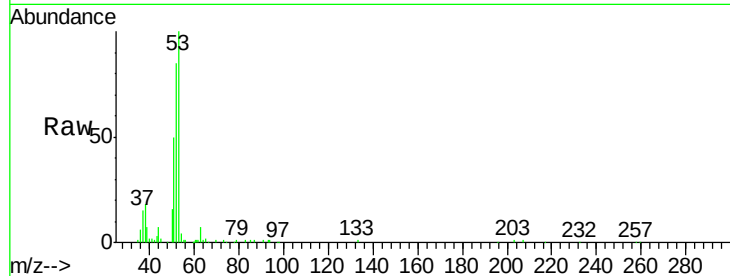
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	99117
Ion	Ratio	Lower	Upper
53	100		
52	85.1	70.1	105.1
51	50.1	42.5	63.7

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#16

Acetone

Concen: 391.62 ug/l

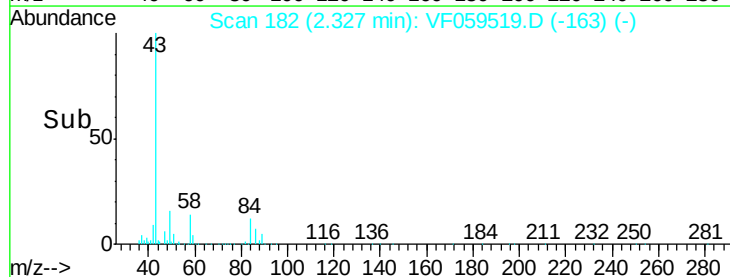
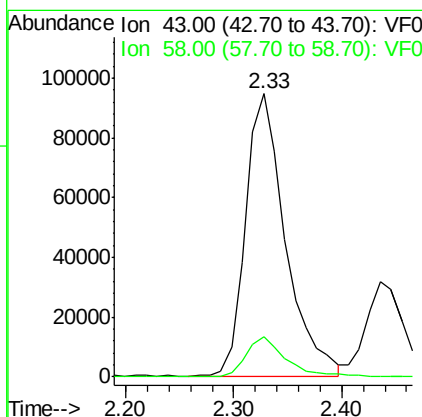
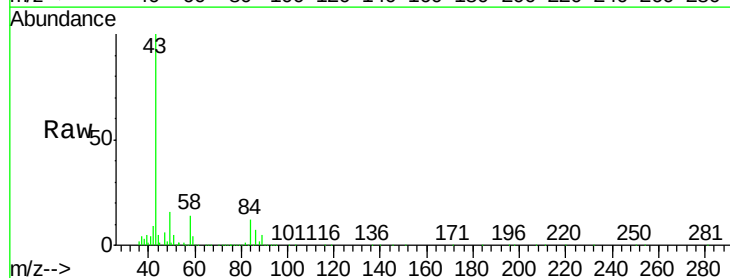
RT: 2.33 min Scan# 182

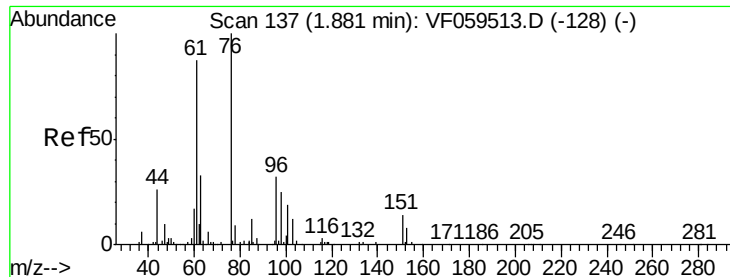
Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	43	Resp:	241441
Ion	Ratio	Lower	Upper
43	100		
58	14.4	11.8	17.6





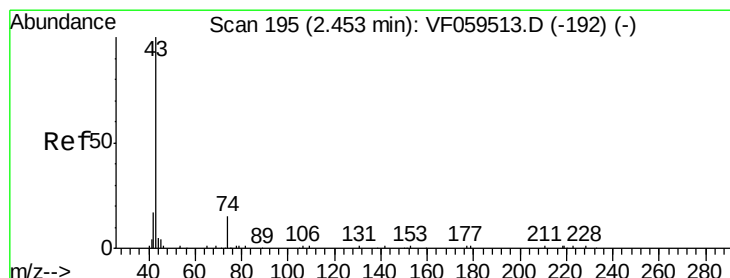
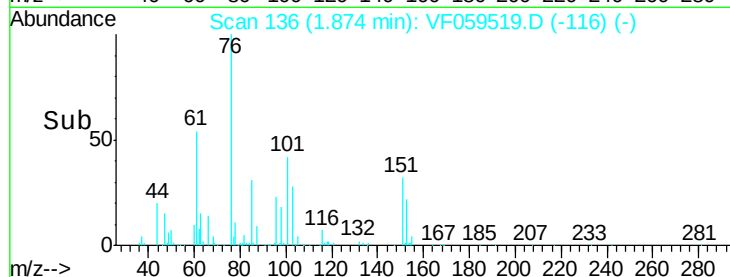
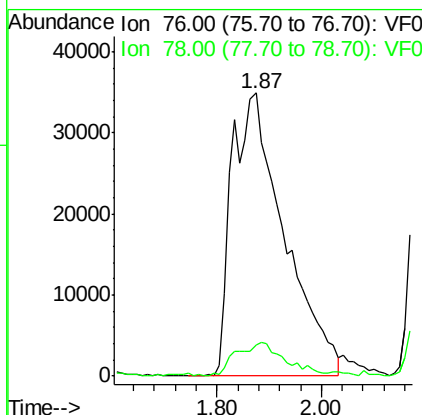
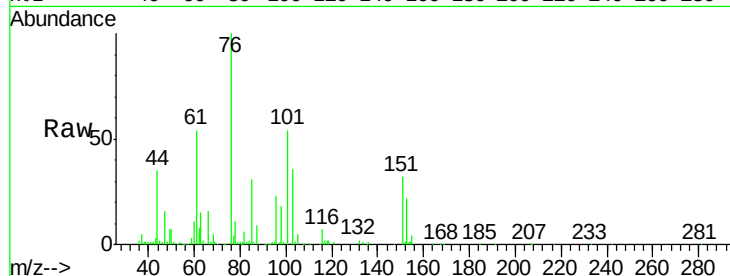
#17
Carbon Disulfide
Concen: 45.24 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.0	7.8	11.6

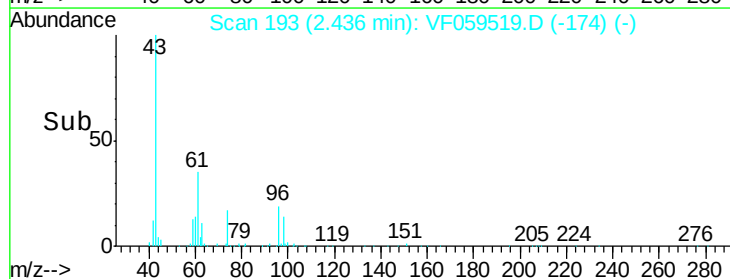
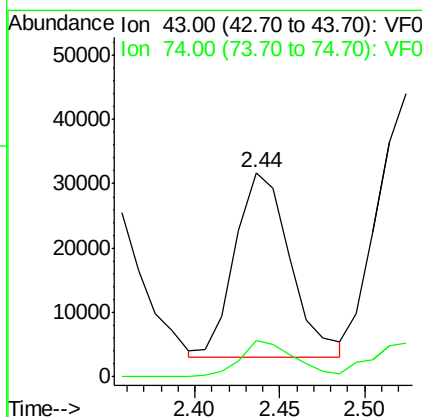
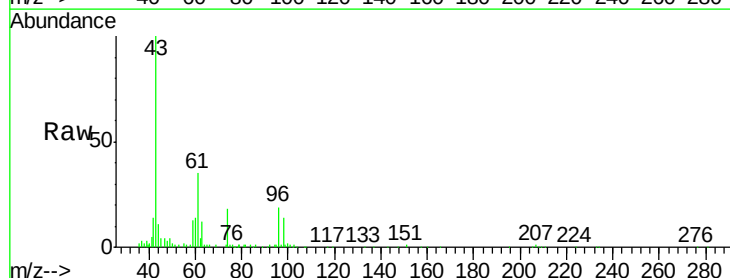
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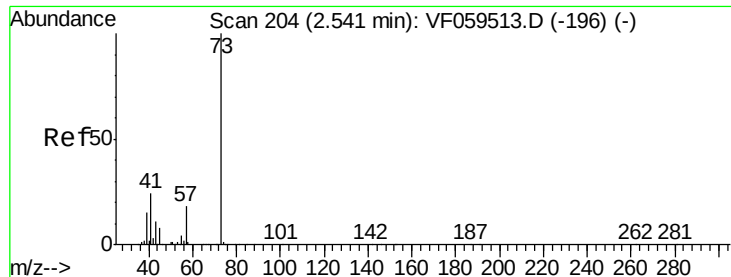
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#18
Methyl Acetate
Concen: 48.45 ug/l m
RT: 2.44 min Scan# 193
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.5	10.6	15.8#





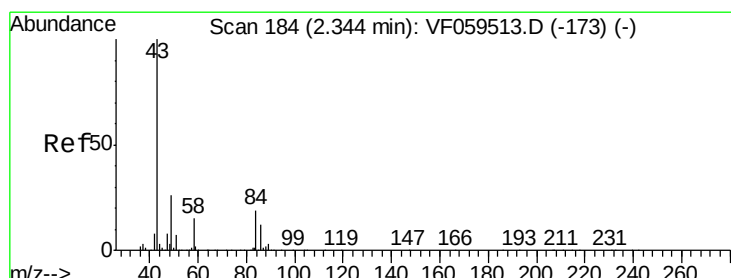
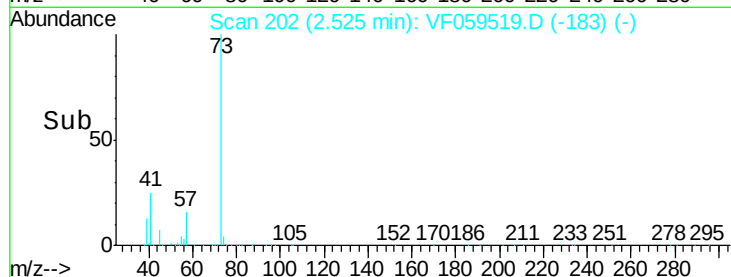
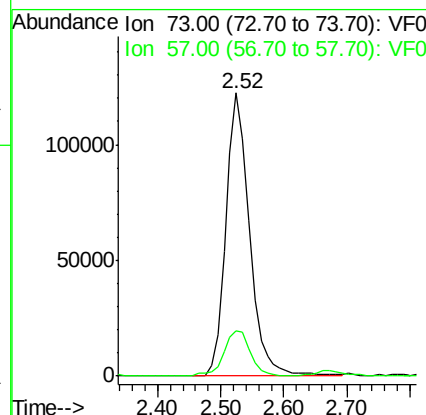
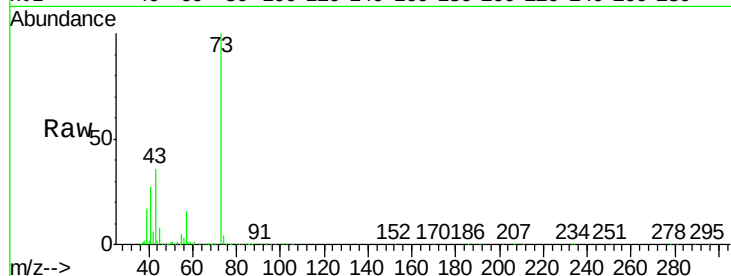
#19
Methyl tert-butyl Ether
Concen: 49.52 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.2	14.3	21.5

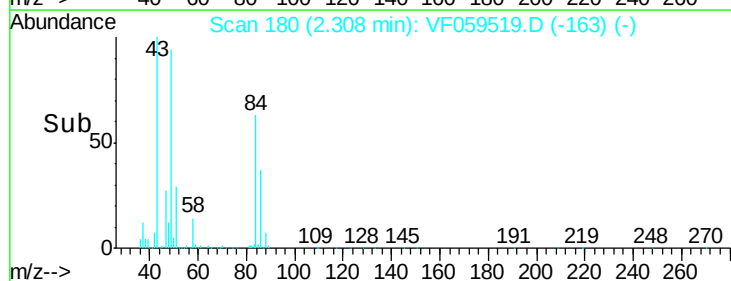
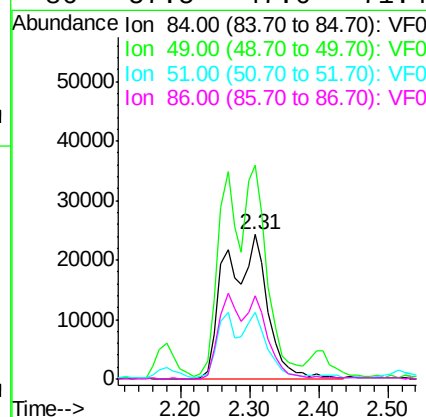
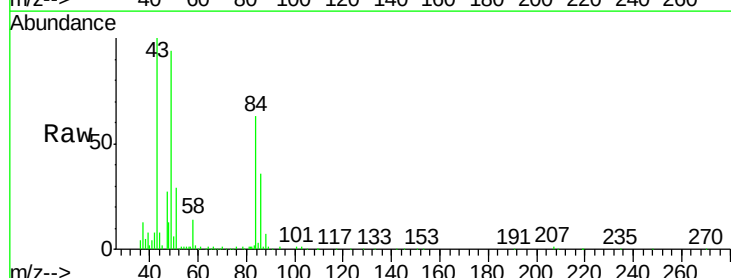
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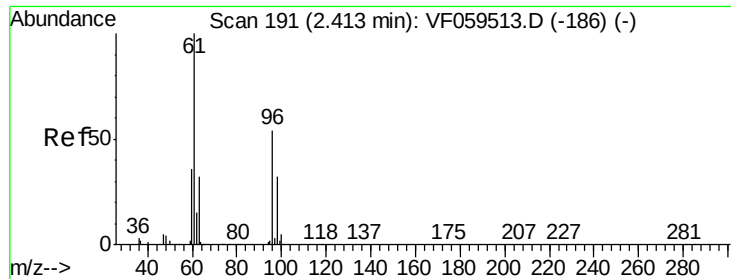
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#20
Methylene Chloride
Concen: 53.09 ug/l m
RT: 2.31 min Scan# 180
Delta R.T. -0.04 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.8	109.4	164.2
51	46.2	30.5	45.7#
86	57.5	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 49.46 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

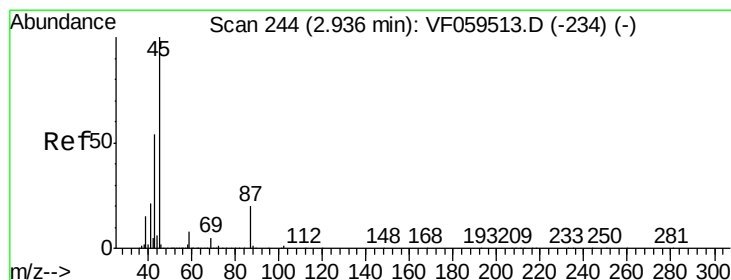
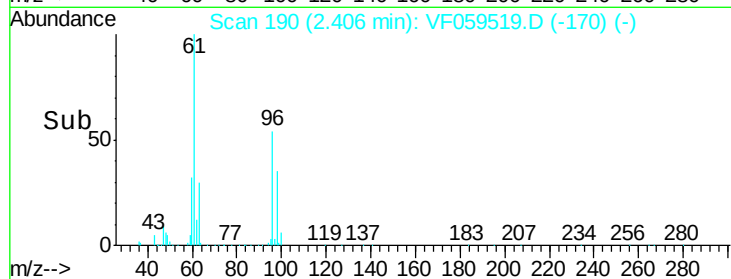
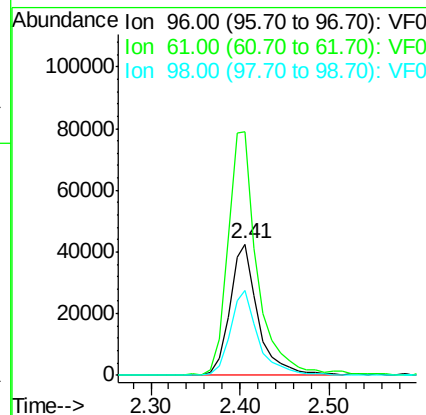
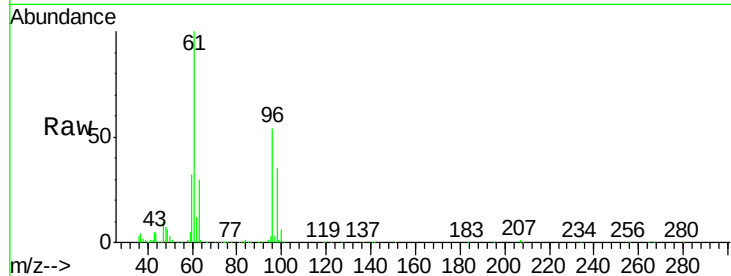
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	94512
Ion	Ratio	Lower	Upper
96	100		
61	185.8	149.8	224.8
98	64.4	47.8	71.8

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#22

Diisopropyl ether

Concen: 48.52 ug/l

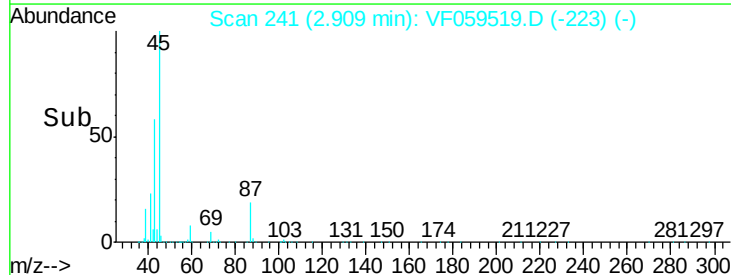
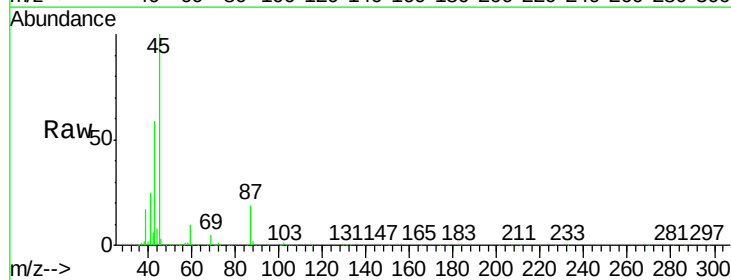
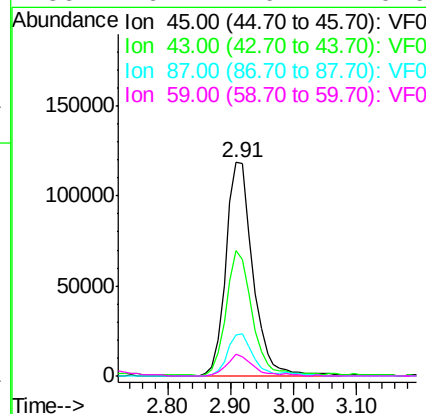
RT: 2.91 min Scan# 241

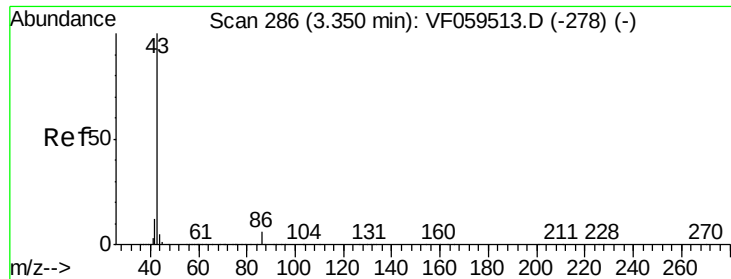
Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	45	Resp:	351666
Ion	Ratio	Lower	Upper
45	100		
43	58.8	43.6	65.4
87	19.0	15.6	23.4
59	10.1	6.4	9.6#





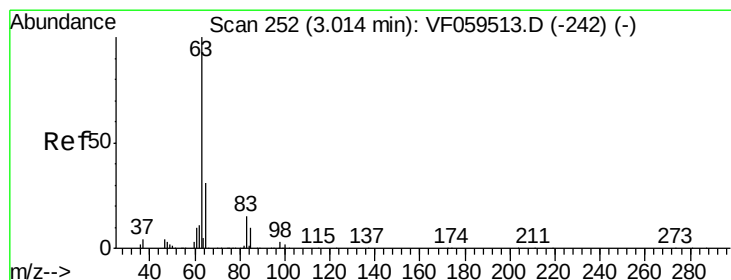
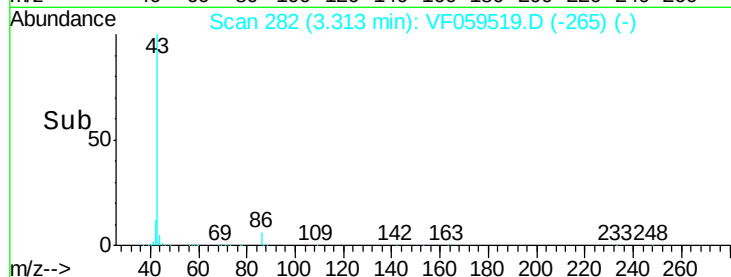
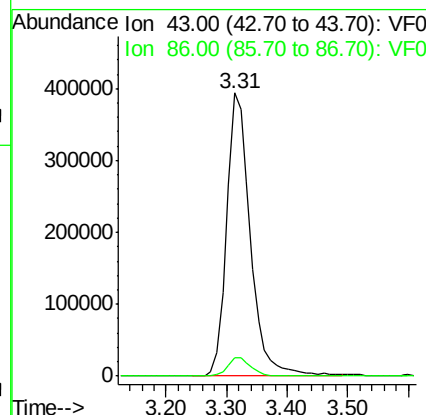
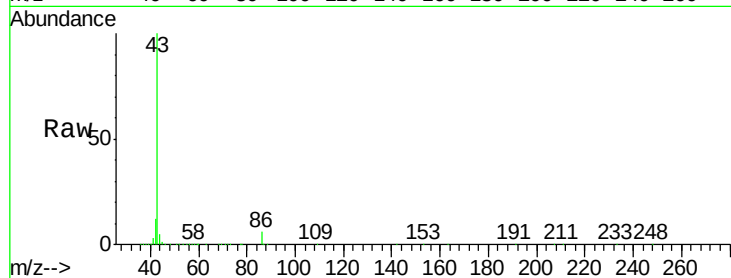
#23
 Vinyl Acetate
 Concen: 252.00 ug/l
 RT: 3.31 min Scan# 282
 Delta R.T. -0.04 min
 Lab File: VF059519.D
 Acq: 18 Jul 2018 18:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1067392
 Ion Ratio Lower Upper
 43 100
 86 6.5 4.4 6.6

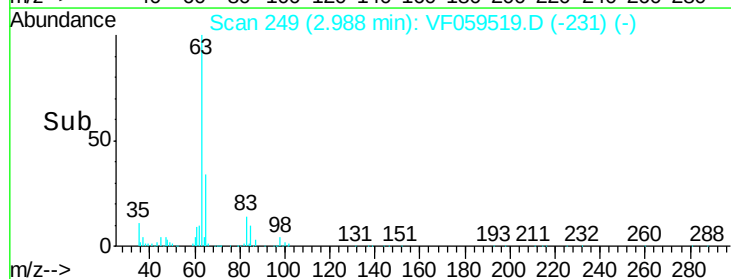
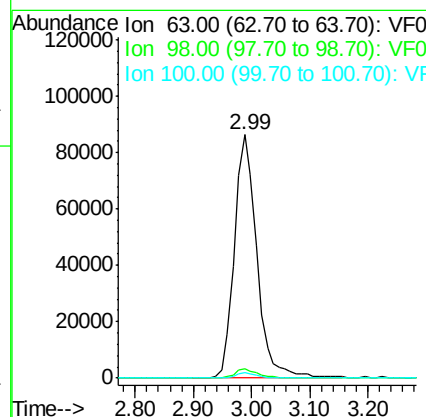
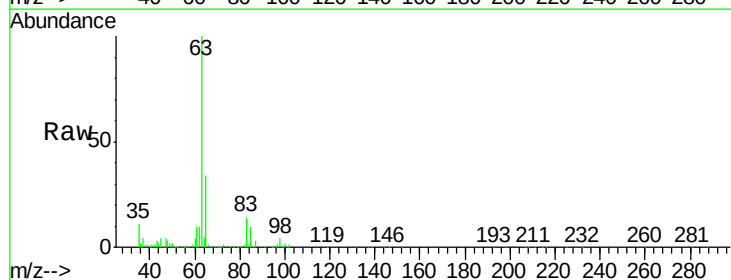
Manual Integrations
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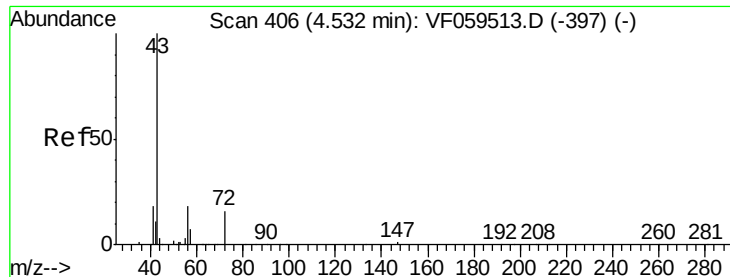
apatel
 7/19/2018 10:18:18 AM



#24
 1,1-Dichloroethane
 Concen: 51.91 ug/l
 RT: 2.99 min Scan# 249
 Delta R.T. -0.03 min
 Lab File: VF059519.D
 Acq: 18 Jul 2018 18:04

Tgt Ion: 63 Resp: 232372
 Ion Ratio Lower Upper
 63 100
 98 3.9 1.8 5.4
 100 2.3 1.3 3.8





#25

2-Butanone

Concen: 256.03 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.05 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 255549

Ion Ratio Lower Upper

43 100

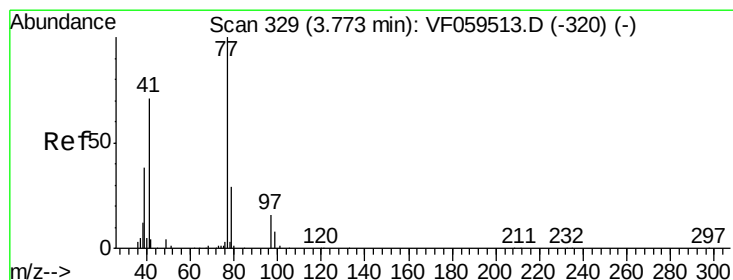
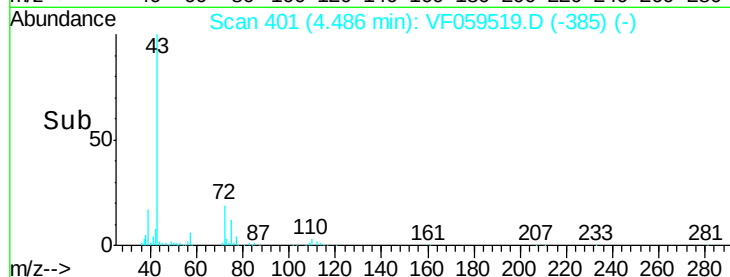
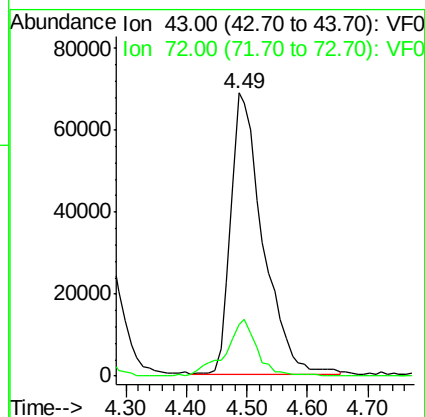
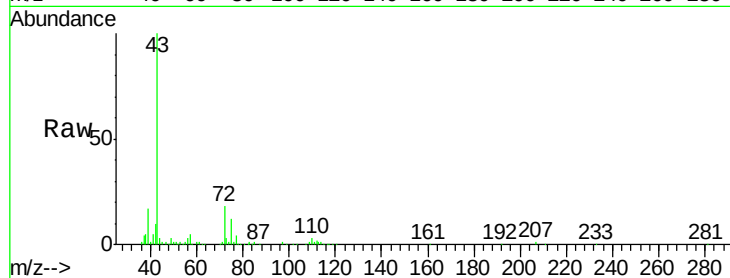
72 18.2 14.2 21.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.93 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.03 min

Lab File: VF059519.D

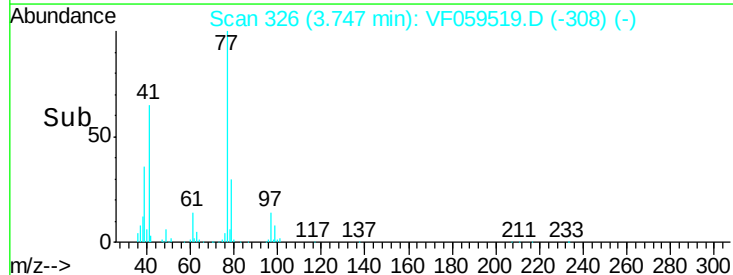
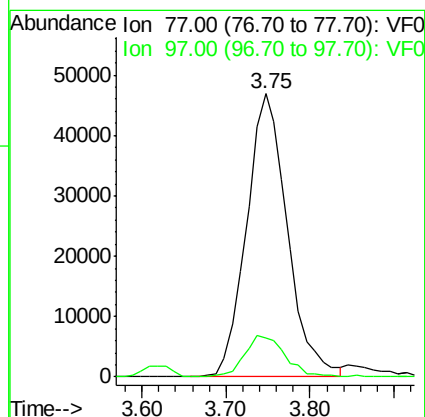
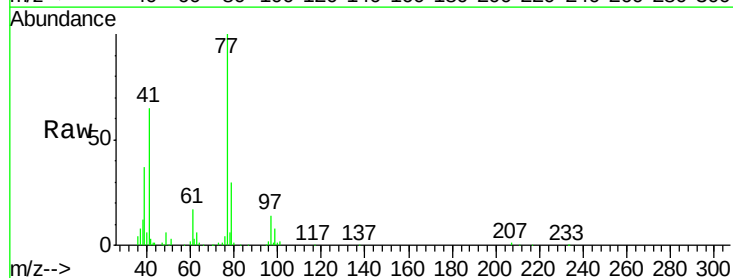
Acq: 18 Jul 2018 18:04

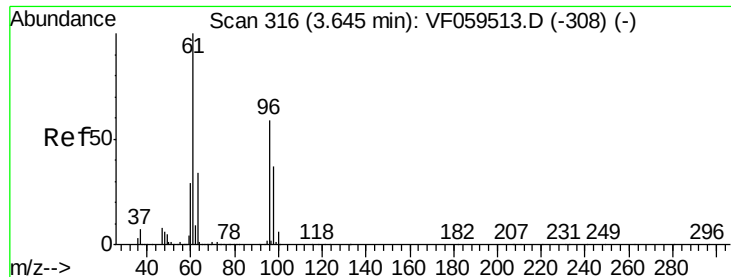
Tgt Ion: 77 Resp: 159701

Ion Ratio Lower Upper

77 100

97 14.0 8.1 24.3





#27

cis-1,2-Dichloroethene

Concen: 55.26 ug/l

RT: 3.62 min Scan# 313

Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

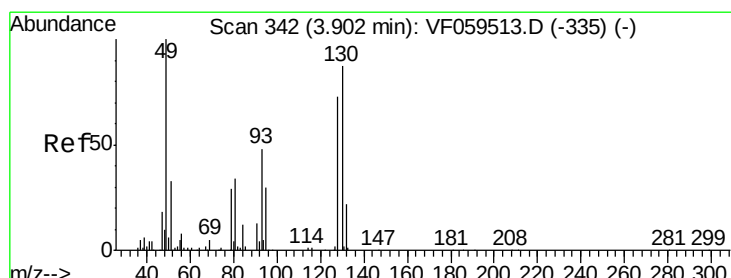
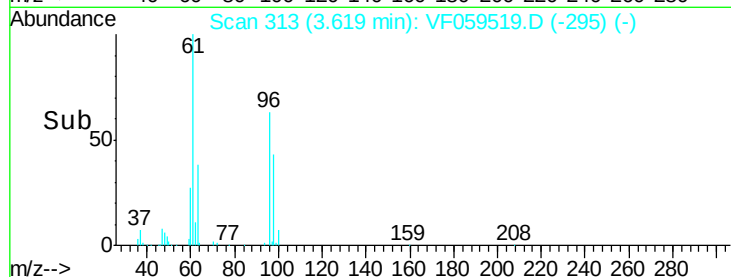
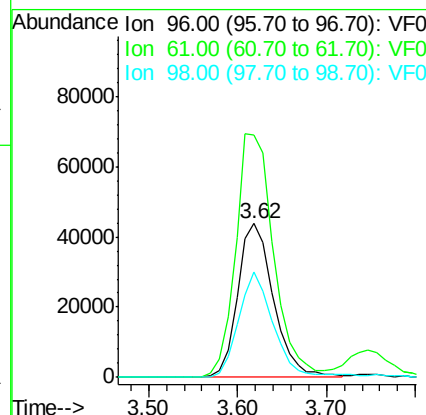
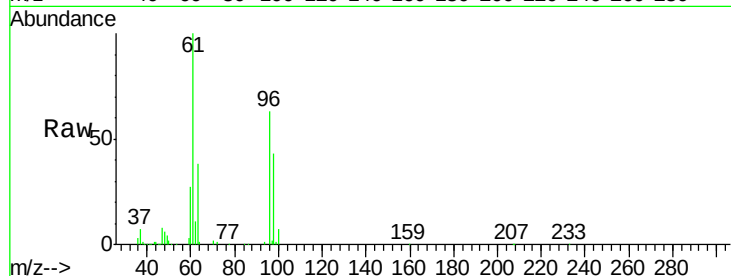
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	122890
Ion Ratio	Lower	Upper	
96	100		
61	158.2	0.0	339.0
98	68.7	0.0	125.4

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#28

Bromochloromethane

Concen: 46.68 ug/l

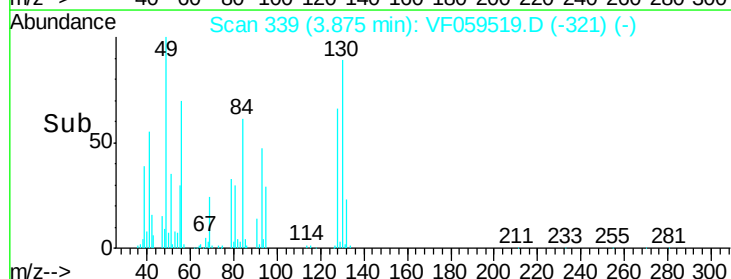
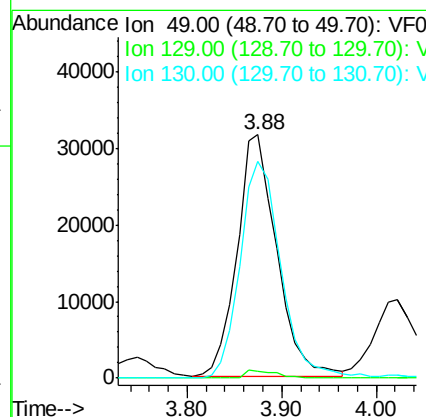
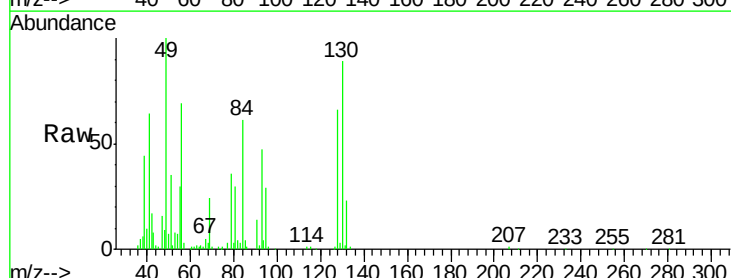
RT: 3.88 min Scan# 339

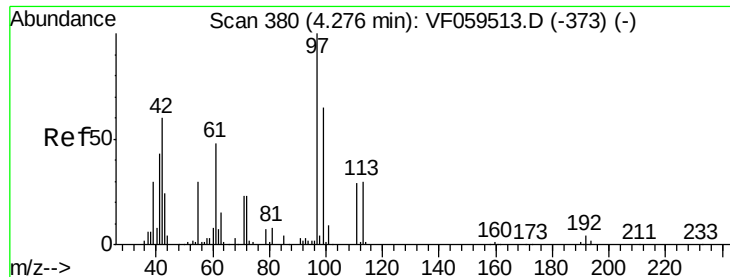
Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	49	Resp:	91975
Ion Ratio	Lower	Upper	
49	100		
129	2.9	0.0	0.0#
130	89.0	69.8	104.6





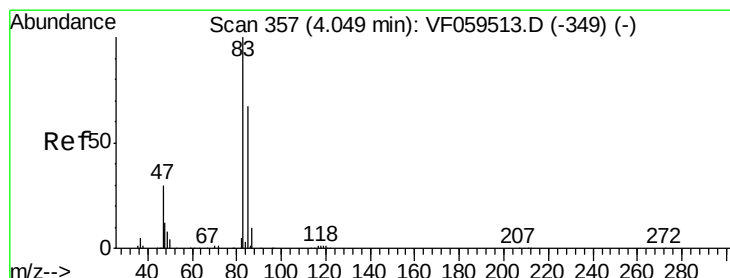
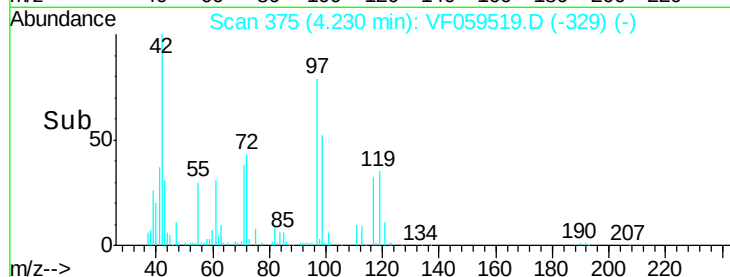
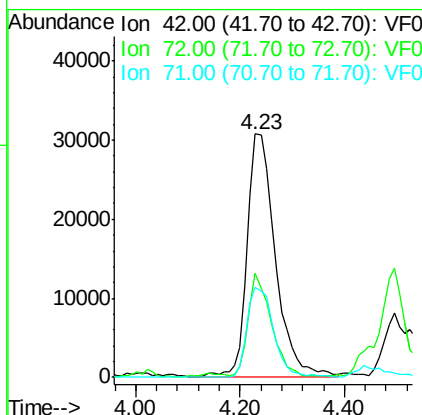
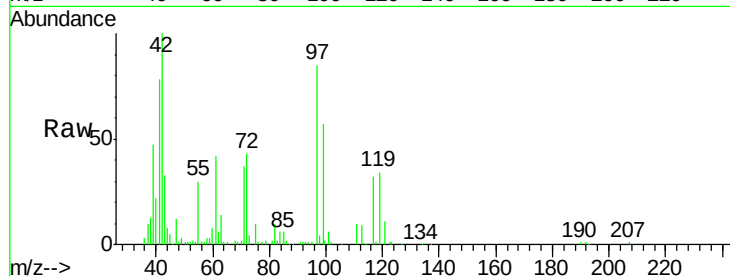
#29
Tetrahydrofuran
Concen: 280.60 ug/l
RT: 4.23 min Scan# 375
Delta R.T. -0.05 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.7	43.1
71	34.8	30.8	46.2

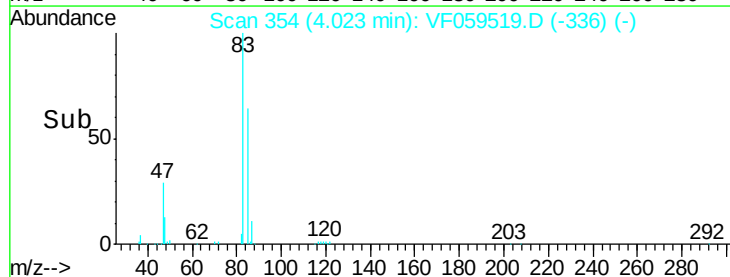
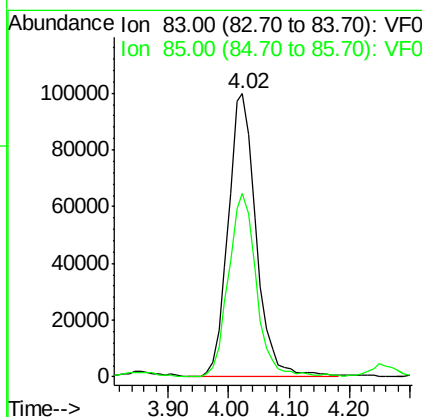
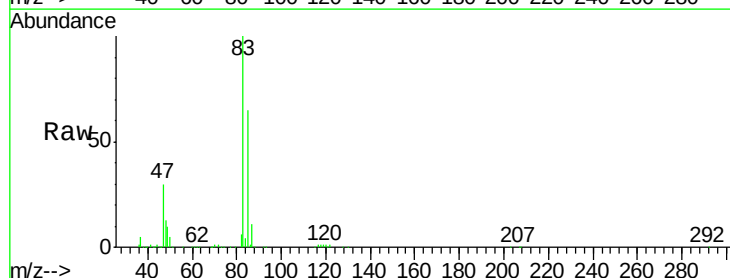
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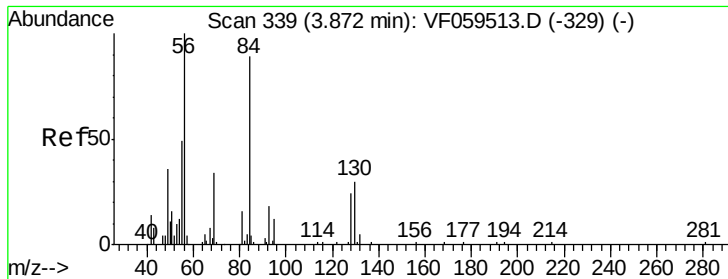
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#30
Chloroform
Concen: 49.65 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.2	79.8





#31

Cyclohexane

Concen: 56.77 ug/l

RT: 3.85 min Scan# 336

Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

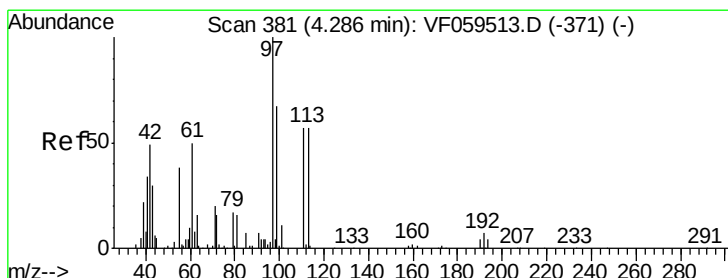
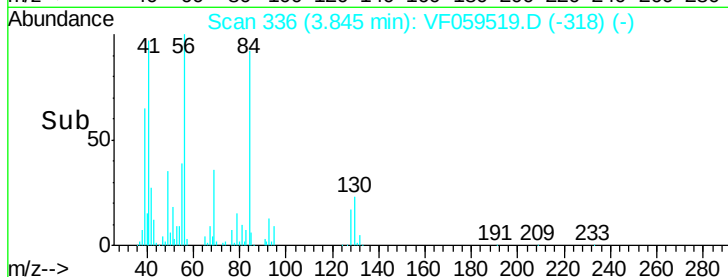
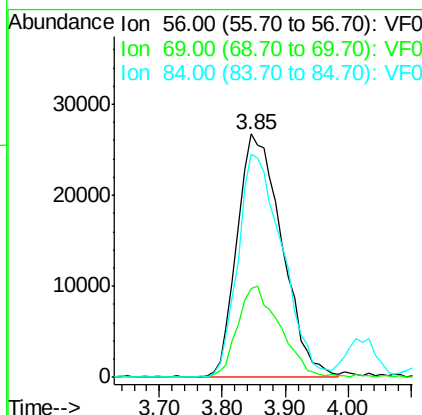
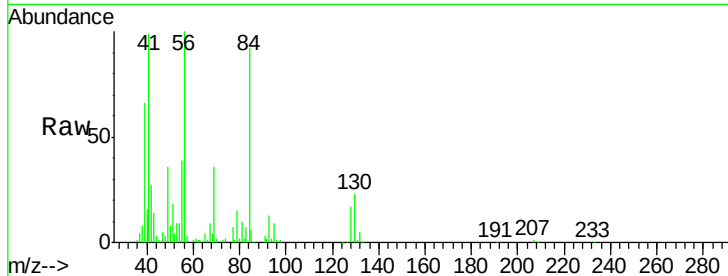
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	131639
Ion	Ratio	Lower	Upper
56	100		
69	36.3	27.6	41.4
84	91.6	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 59.11 ug/l

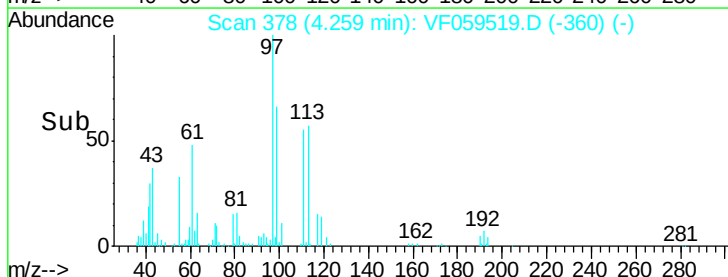
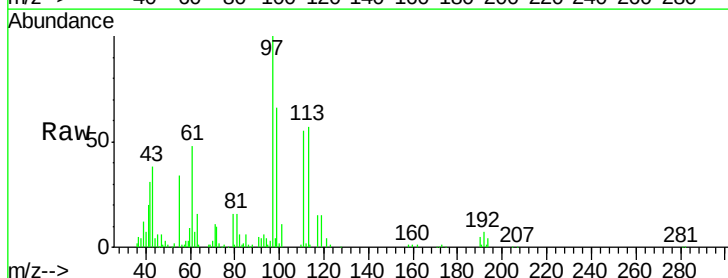
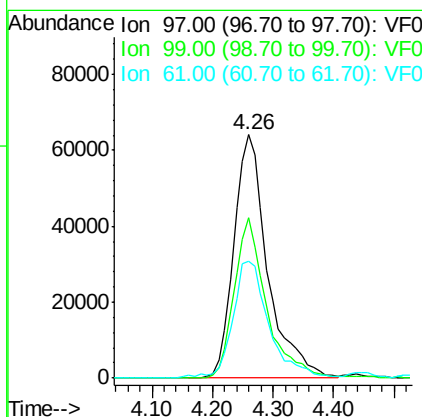
RT: 4.26 min Scan# 378

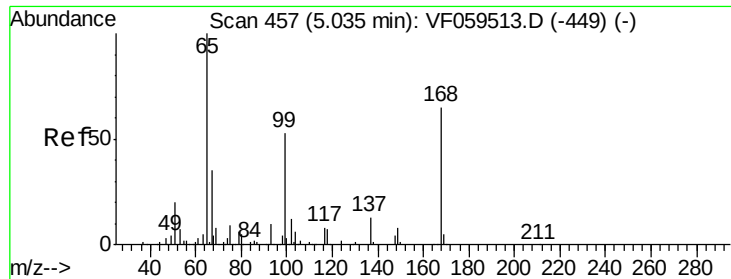
Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	97	Resp:	248404
Ion	Ratio	Lower	Upper
97	100		
99	66.0	53.5	80.3
61	48.1	39.7	59.5





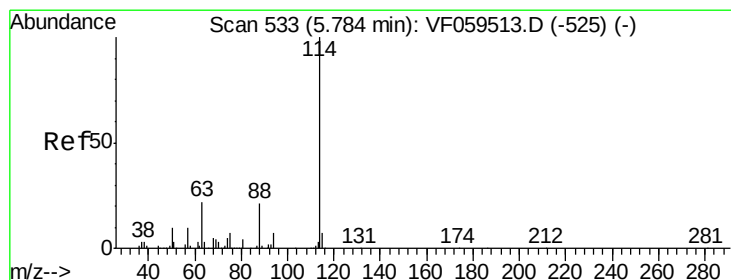
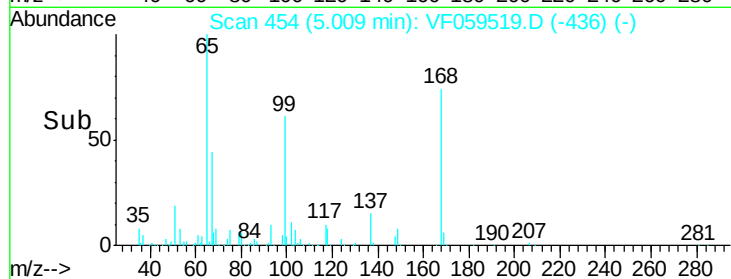
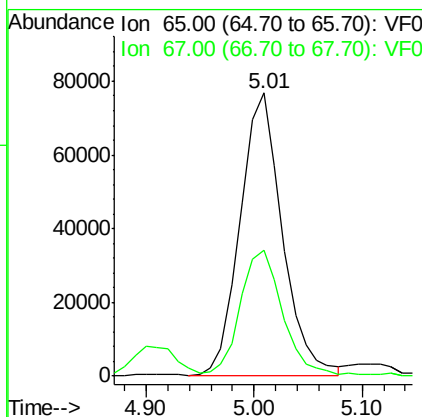
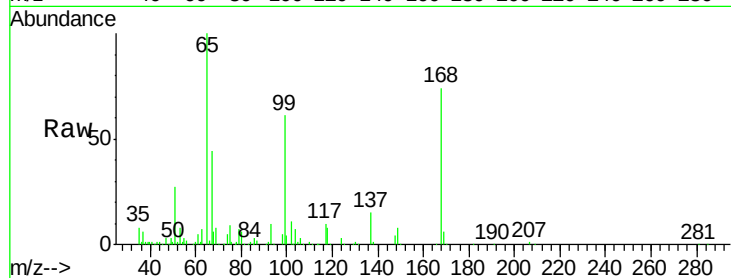
#33
 1,2-Dichloroethane-d4
 Concen: 48.29 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: VF059519.D
 Acq: 18 Jul 2018 18:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	207619		
67	44.4	0.0	91.2	

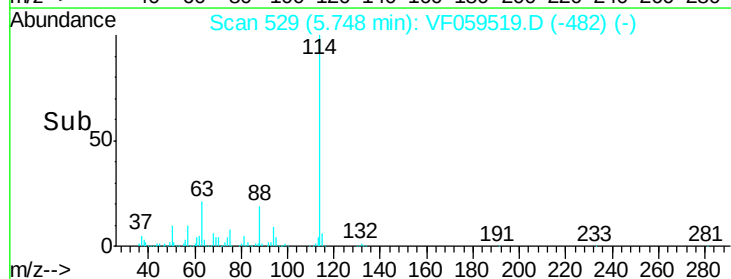
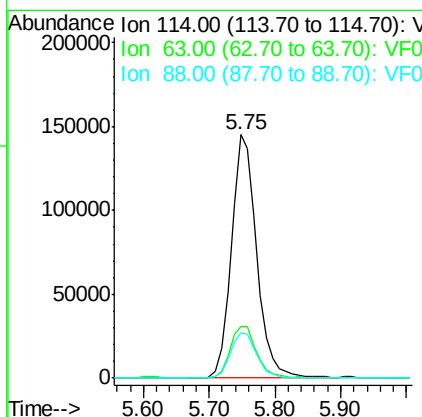
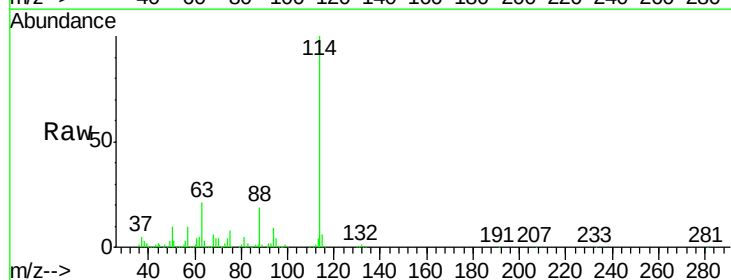
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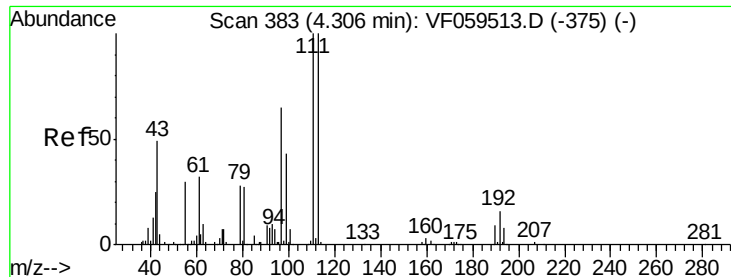
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VF059519.D
 Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	390508		
63	21.4	0.0	44.8	
88	18.7	0.0	42.6	





#35

Dibromofluoromethane

Concen: 49.85 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

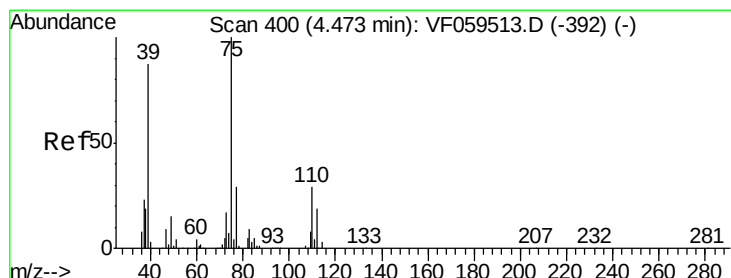
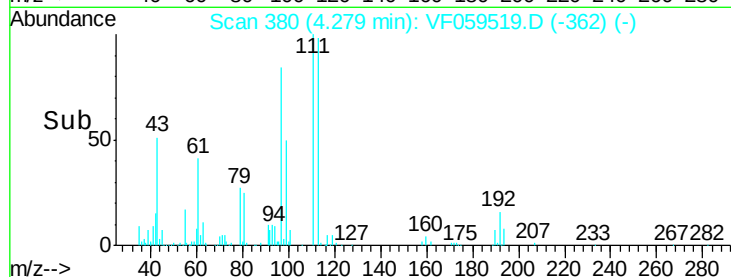
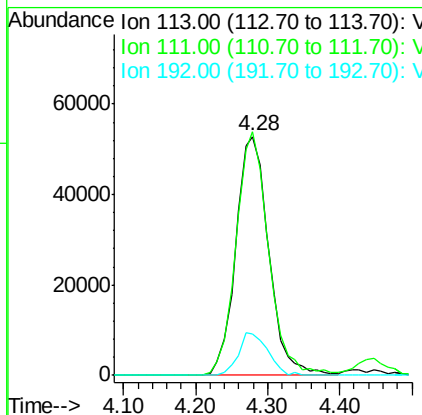
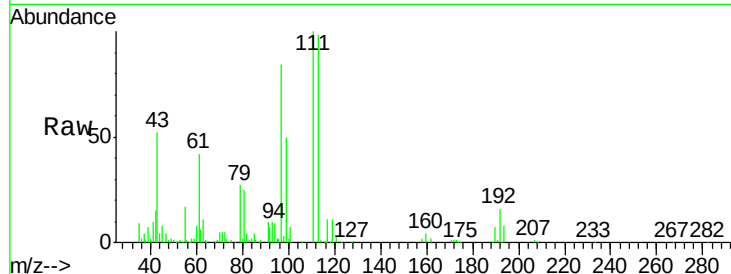
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	168594
Ion Ratio	Lower	Upper	
113	100		
111	102.0	80.3	120.5
192	17.1	13.1	19.7

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#36

1,1-Dichloropropene

Concen: 50.66 ug/l

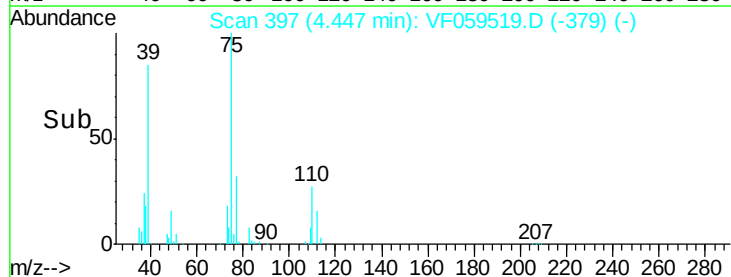
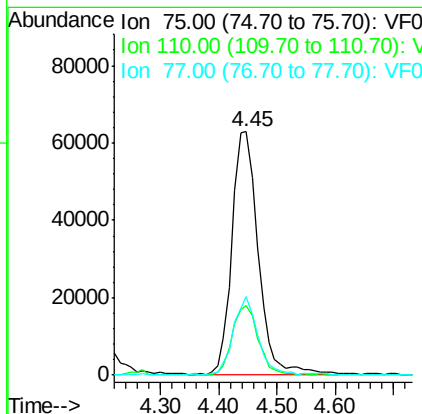
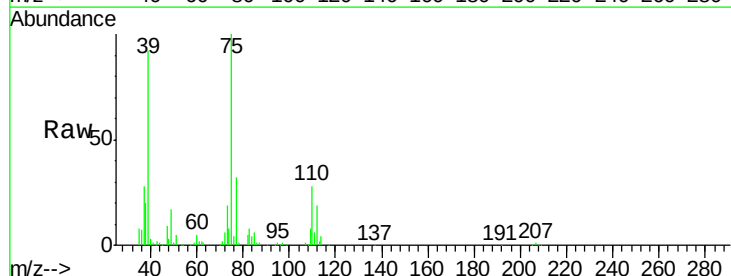
RT: 4.45 min Scan# 397

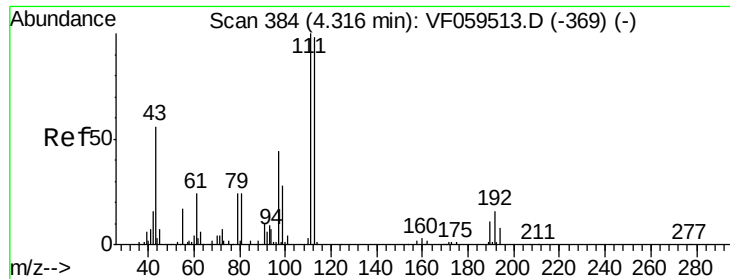
Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	75	Resp:	198031
Ion Ratio	Lower	Upper	
75	100		
110	28.3	14.6	43.8
77	32.3	23.7	35.5





#37

Ethyl Acetate

Concen: 54.22 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.05 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

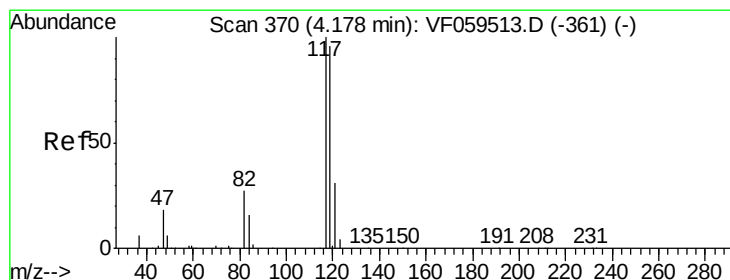
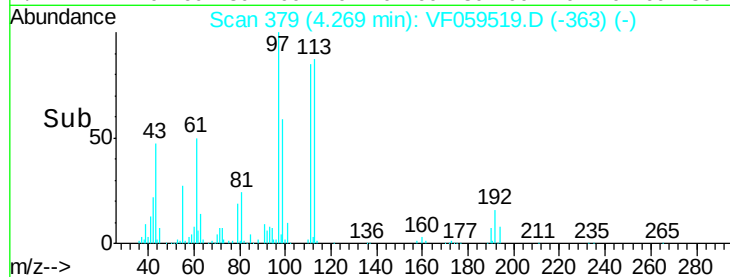
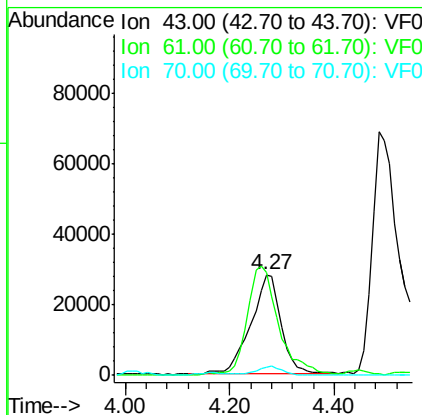
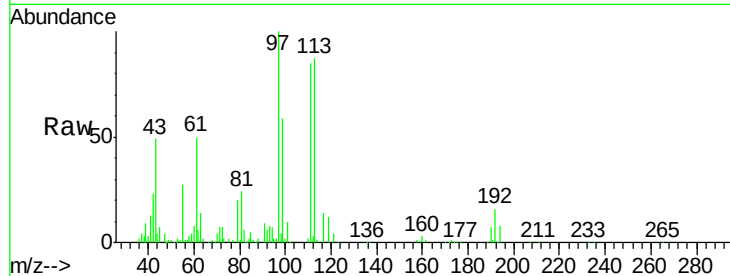
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	113132
Ion	Ratio	Lower	Upper
43	100		
61	102.9	33.7	50.5#
70	8.1	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 59.67 ug/l m

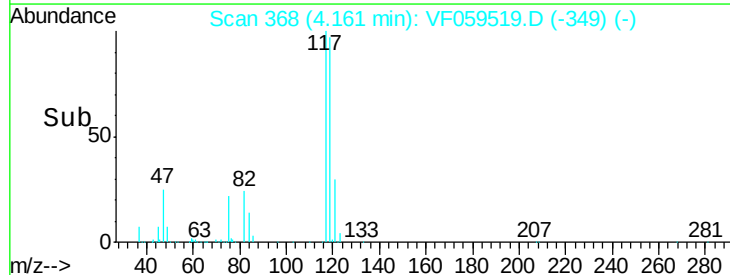
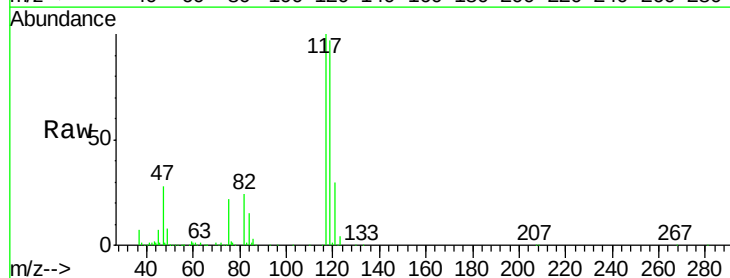
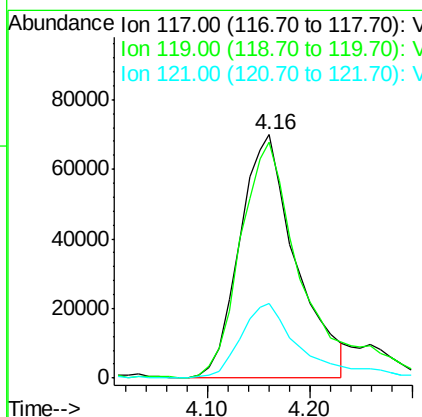
RT: 4.16 min Scan# 368

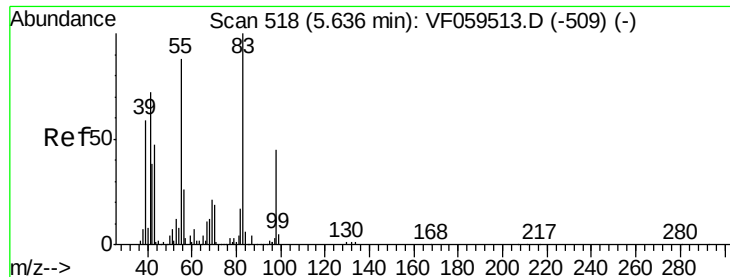
Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	117	Resp:	267300
Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.6	116.4
121	30.5	24.9	37.3





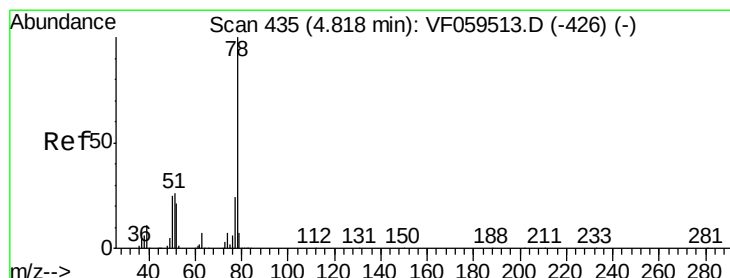
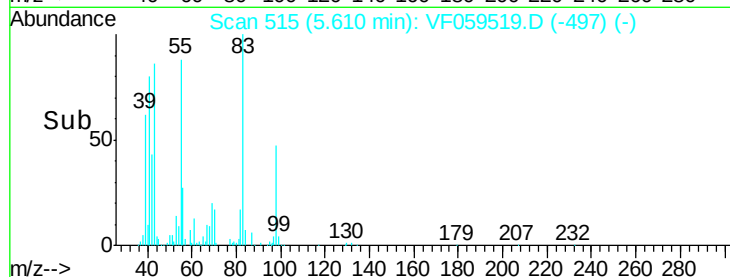
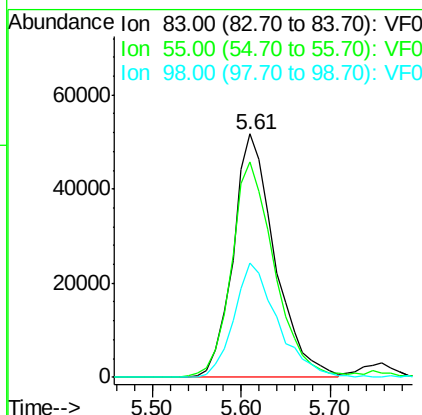
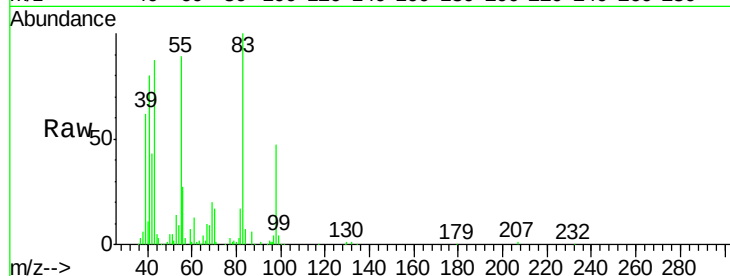
#39
Methylvlcyclohexane
Concen: 56.78 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.03 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.6	70.2	105.4
98	47.2	36.2	54.2

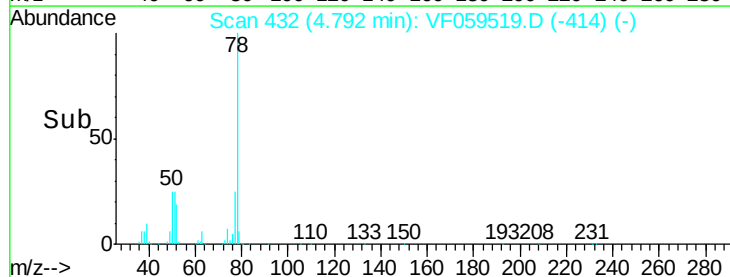
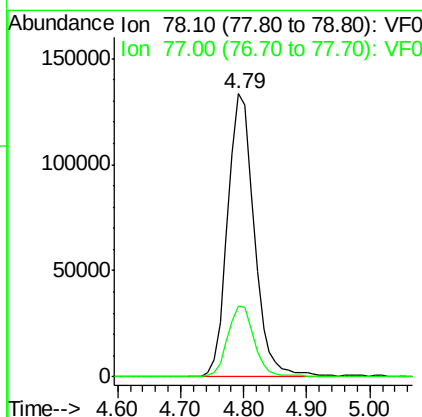
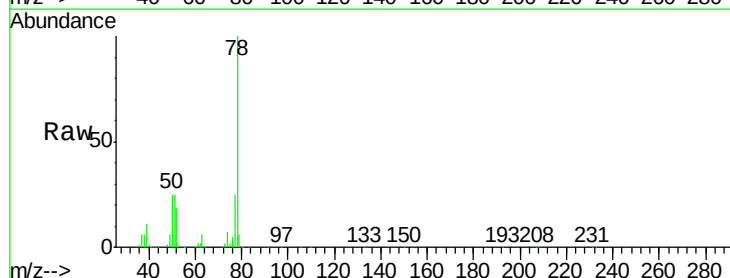
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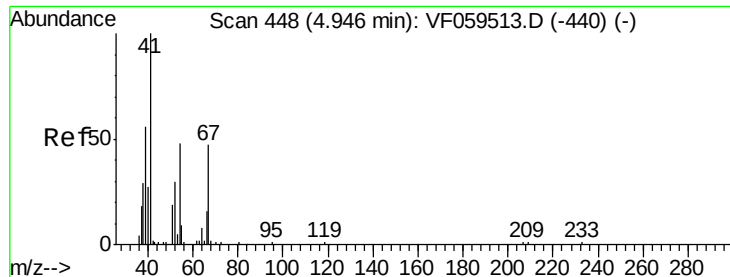
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#40
Benzene
Concen: 51.52 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.03 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.4	29.0





#41

Methacrylonitrile

Concen: 49.86 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.05 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

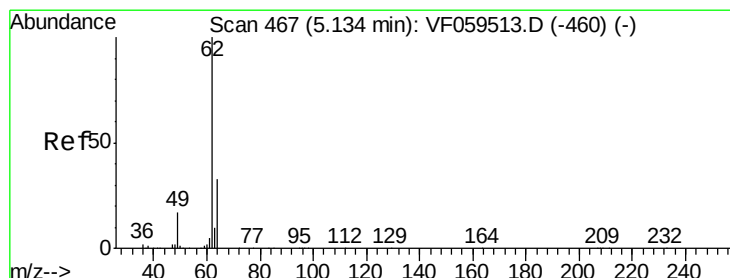
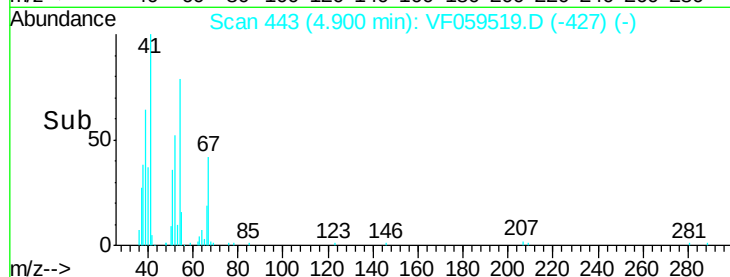
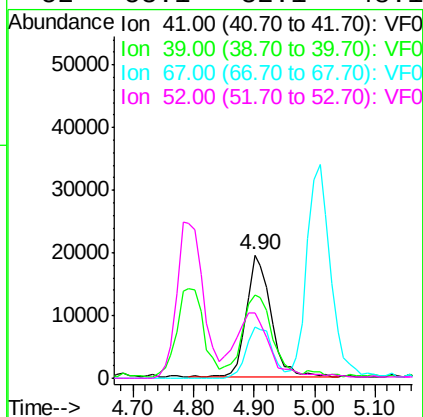
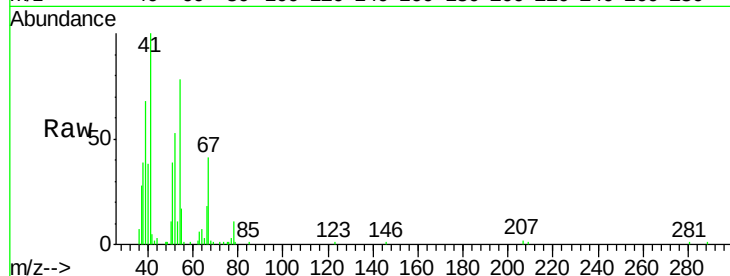
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	55891
Ion Ratio	Lower	Upper	
41	100		
39	67.7	49.4	74.0
67	41.3	37.4	56.2
52	53.1	32.1	48.1#

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#42

1,2-Dichloroethane

Concen: 53.79 ug/l

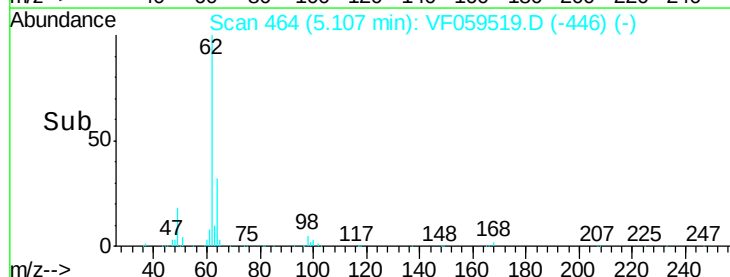
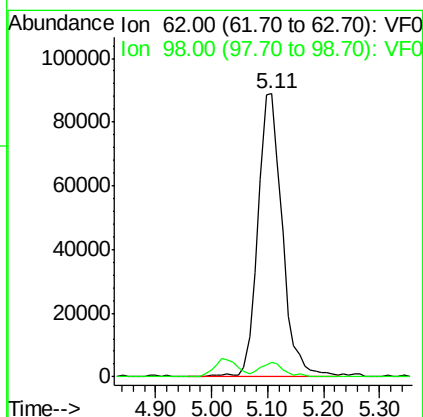
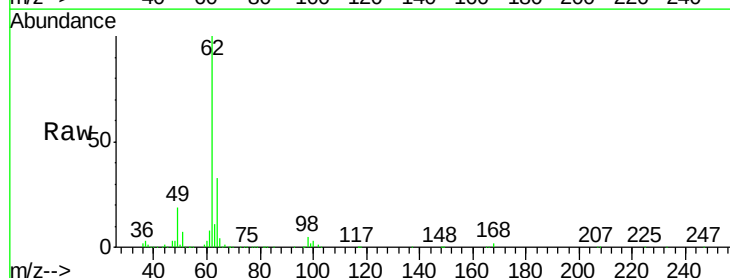
RT: 5.11 min Scan# 464

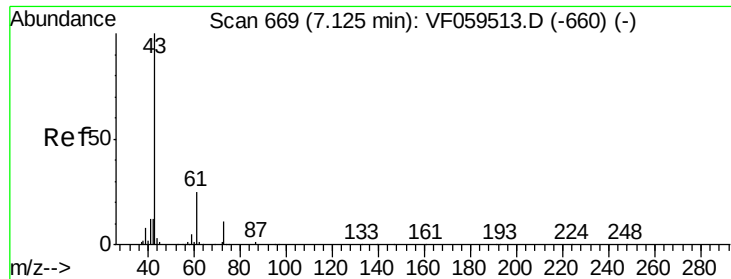
Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	62	Resp:	267946
Ion Ratio	Lower	Upper	
62	100		
98	5.0	0.0	9.6





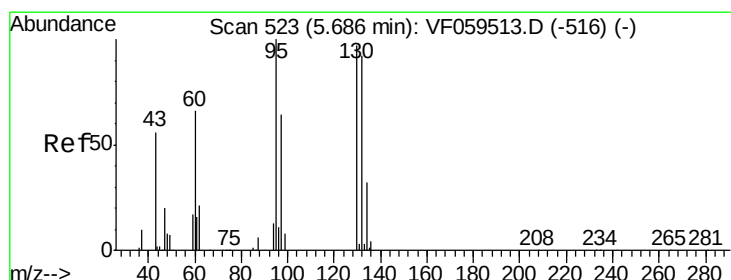
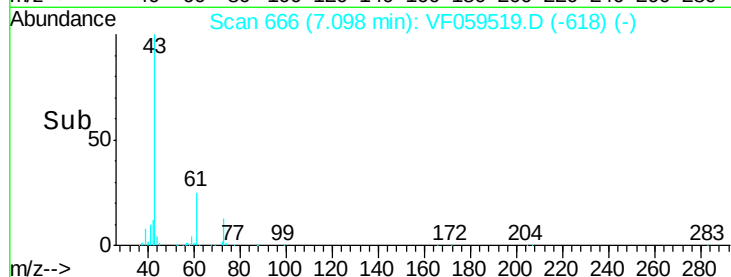
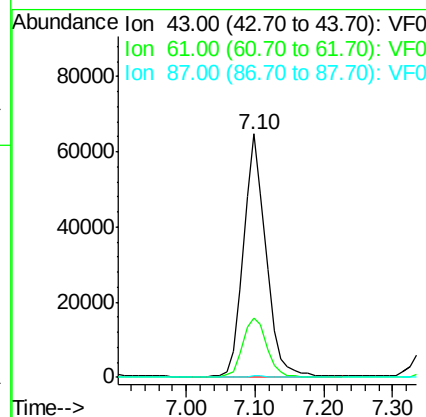
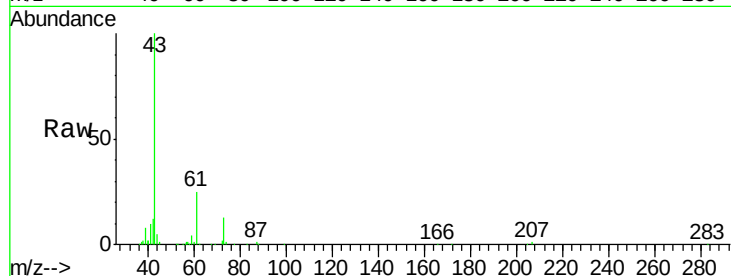
#43
Isopropyl Acetate
Concen: 51.98 ug/l
RT: 7.10 min Scan# 666
Delta R.T. -0.03 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	146001
Ion	Ratio	Lower	Upper
43	100		
61	24.6	20.3	30.5
87	0.5	0.4	0.6

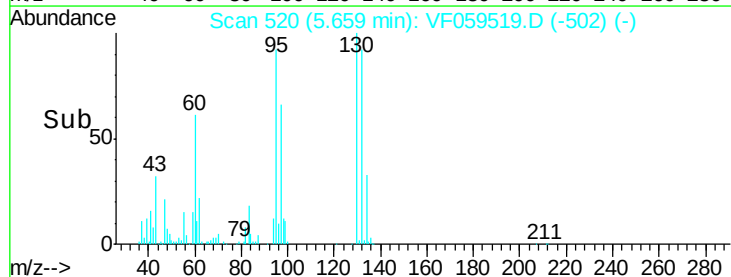
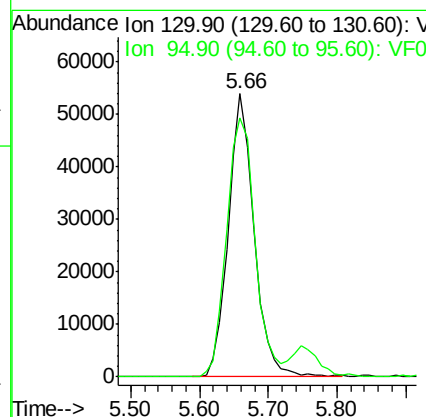
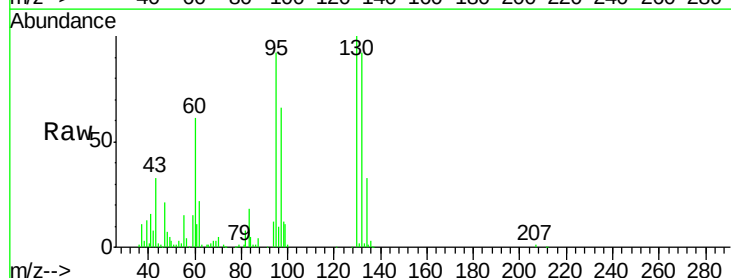
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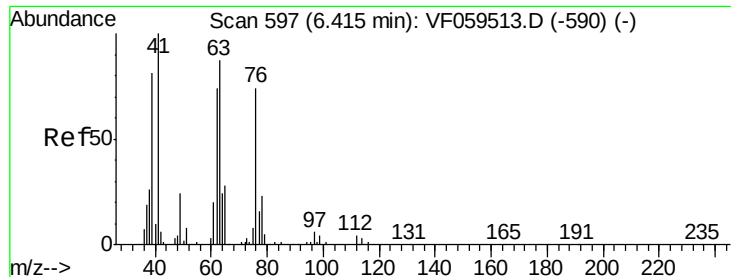
apatel
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#44
Trichloroethene
Concen: 49.80 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.03 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion:	130	Resp:	139787
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	206.6





#45

1,2-Dichloropropane

Concen: 49.09 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 103322

Ion Ratio Lower Upper

63 100

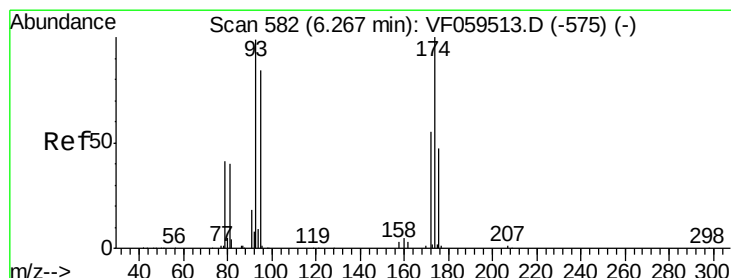
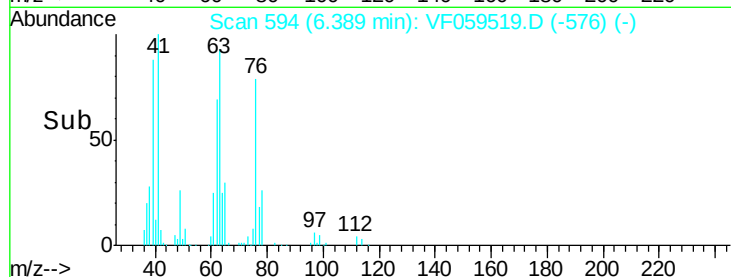
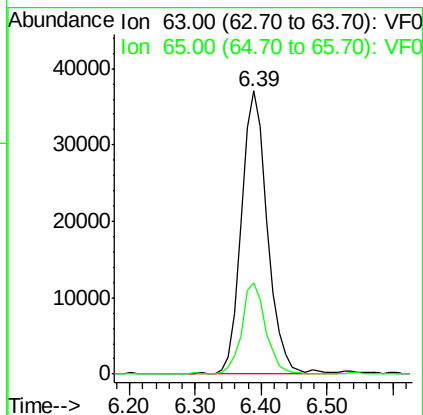
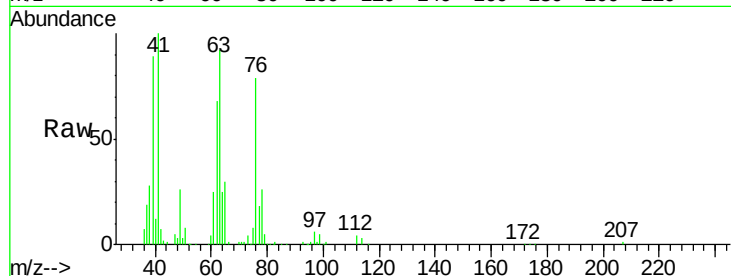
65 32.4 26.1 39.1

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#46

Dibromomethane

Concen: 50.88 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

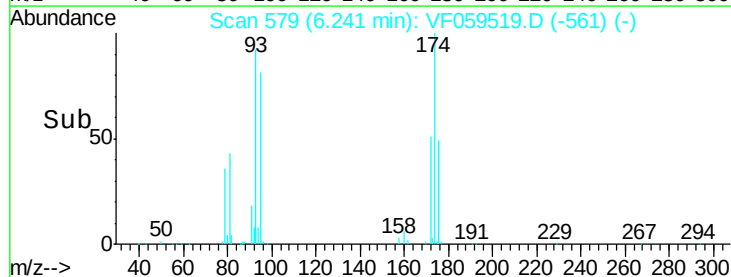
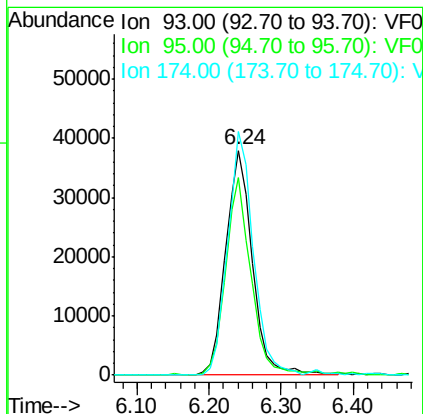
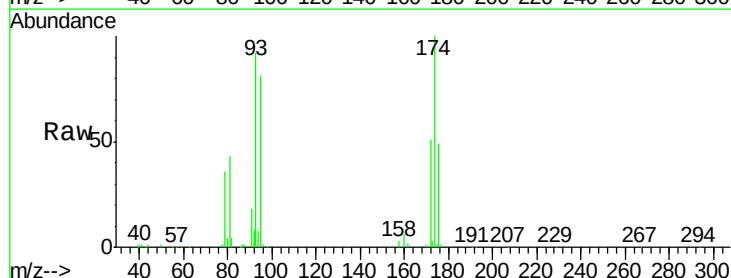
Tgt Ion: 93 Resp: 97524

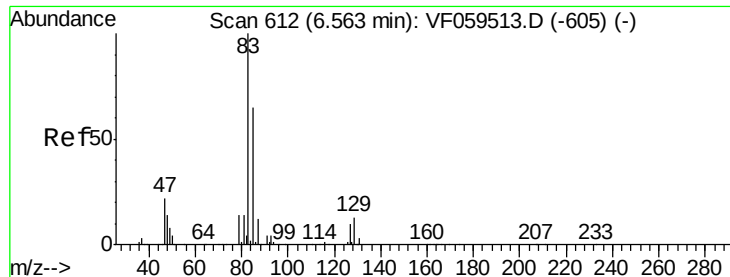
Ion Ratio Lower Upper

93 100

95 87.9 68.3 102.5

174 109.9 81.2 121.8





#47

Bromodichloromethane

Concen: 52.00 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

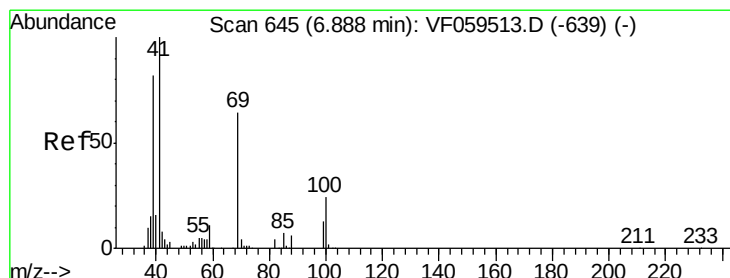
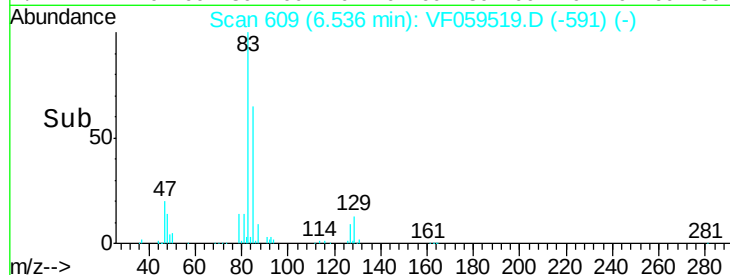
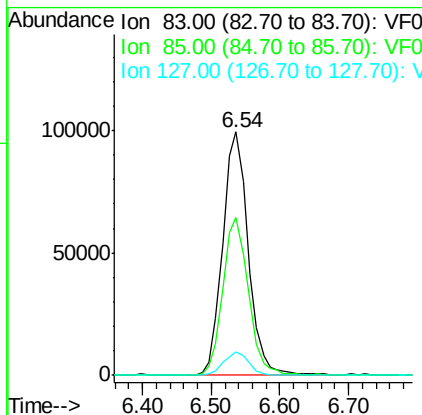
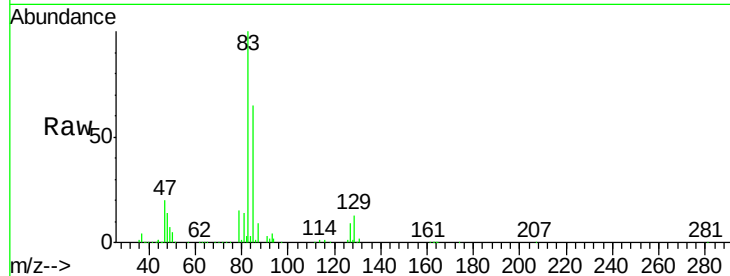
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	256578
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.4	78.6
127	9.4	8.2	12.4

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#48

Methyl methacrylate

Concen: 52.26 ug/l

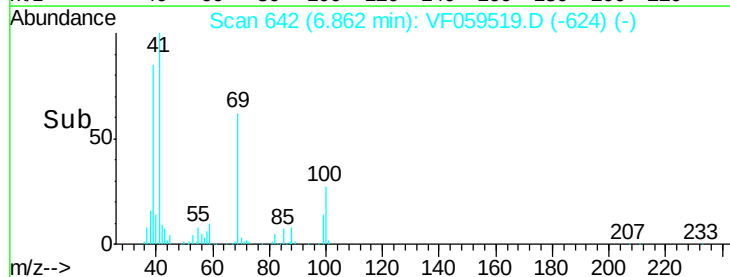
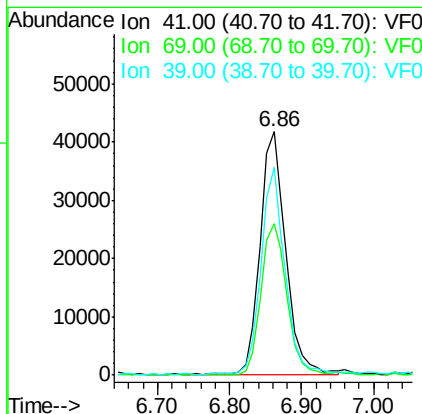
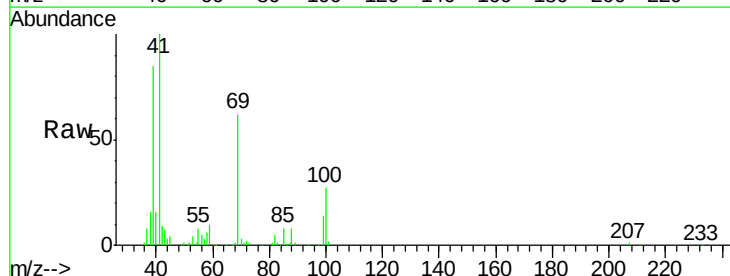
RT: 6.86 min Scan# 642

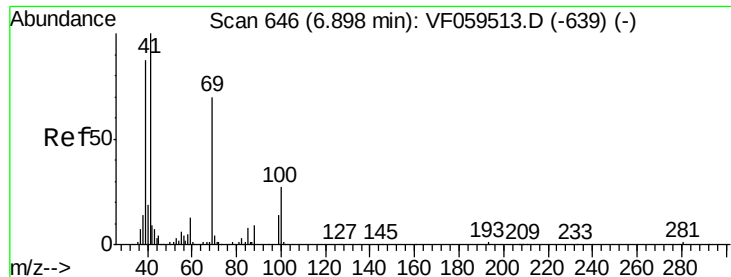
Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	41	Resp:	104838
Ion	Ratio	Lower	Upper
41	100		
69	62.0	51.3	76.9
39	85.5	65.3	97.9





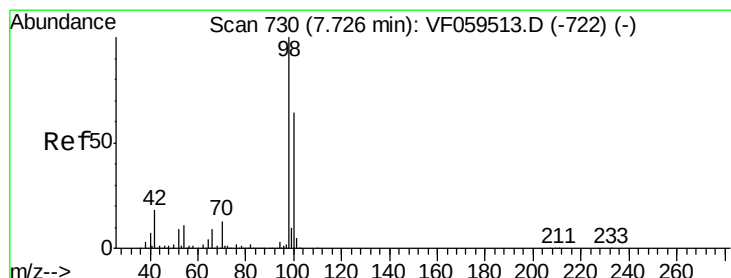
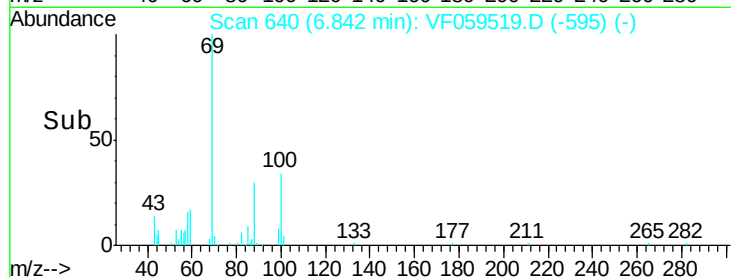
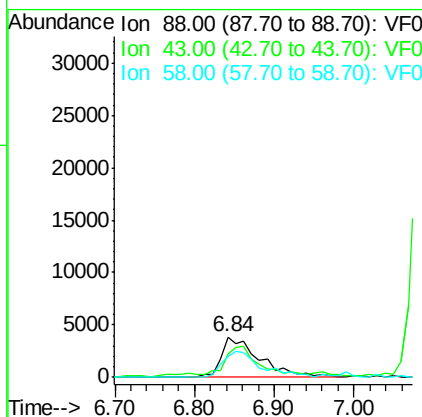
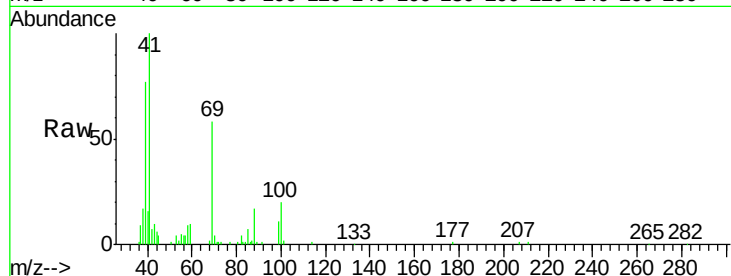
#49
1,4-Dioxane
Concen: 1491.31 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.06 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	57.4	64.8	97.2#
58	52.7	44.1	66.1

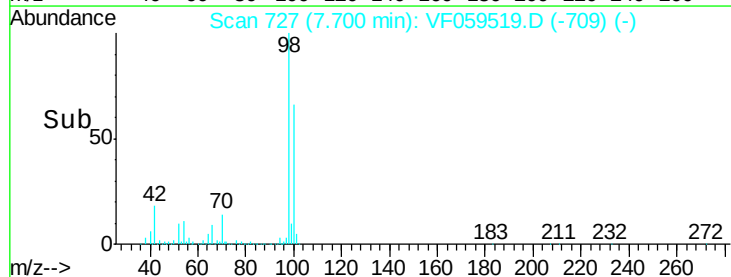
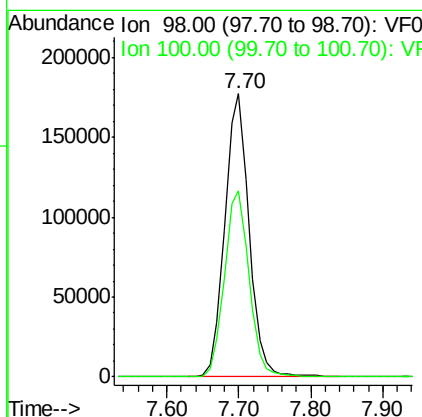
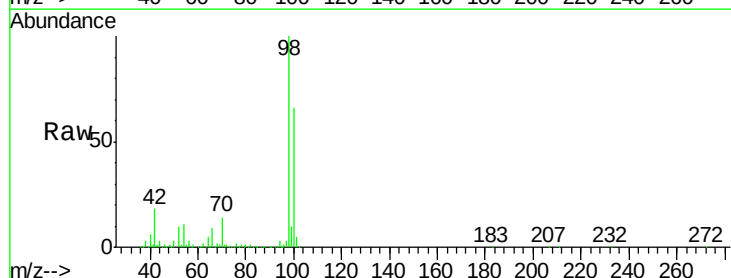
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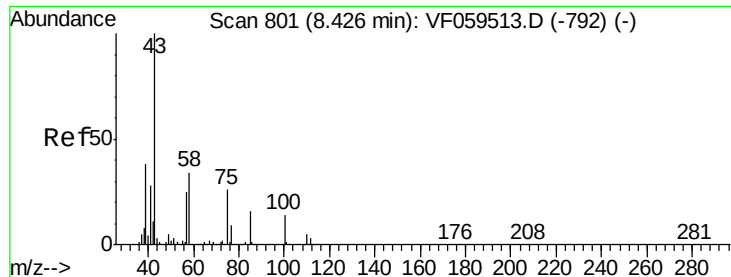
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#50
Toluene-d8
Concen: 48.53 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 249.74 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 497221

Ion Ratio Lower Upper

43 100

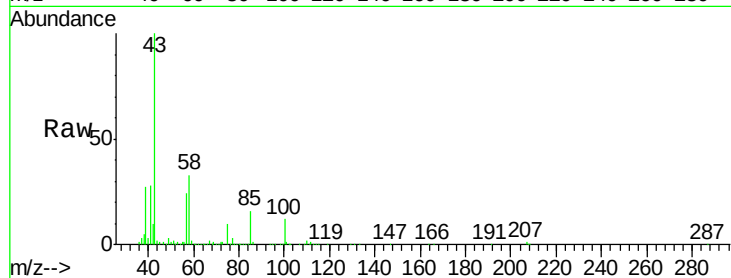
58 32.9 27.4 41.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250000

200000

150000

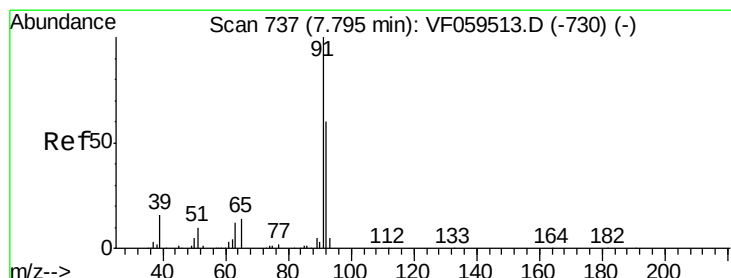
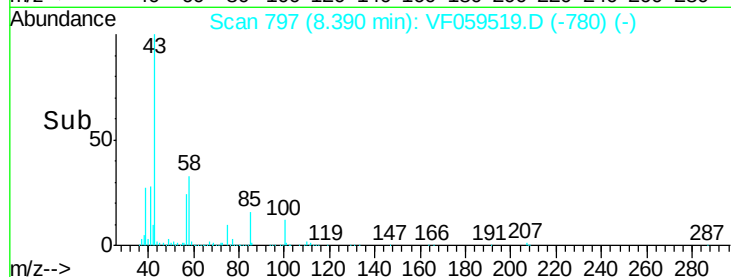
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 48.14 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059519.D

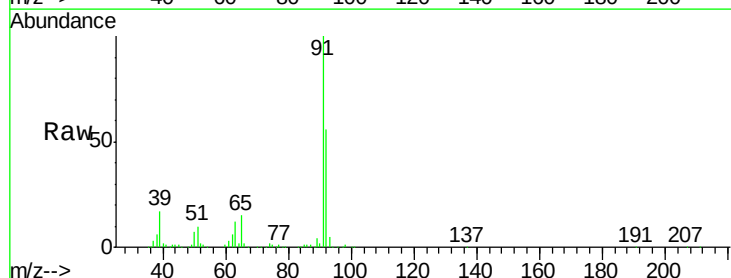
Acq: 18 Jul 2018 18:04

Tgt Ion: 92 Resp: 264772

Ion Ratio Lower Upper

92 100

91 180.1 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

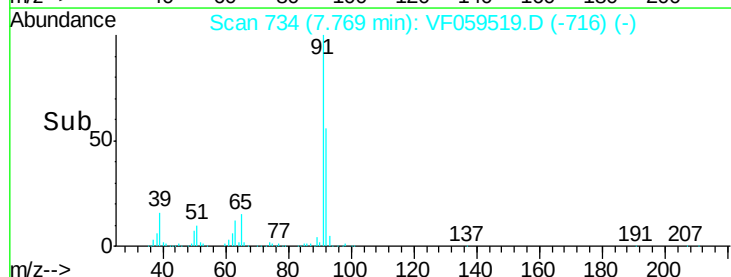
100000

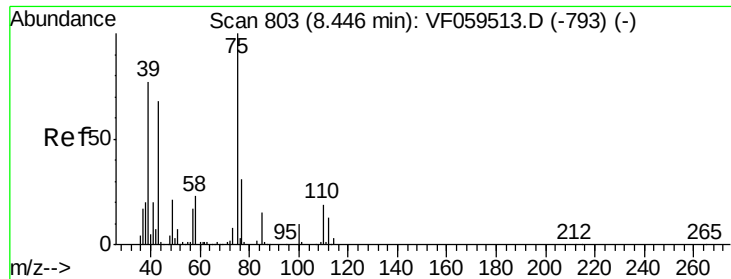
50000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.40 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 224207

Ion Ratio Lower Upper

75 100

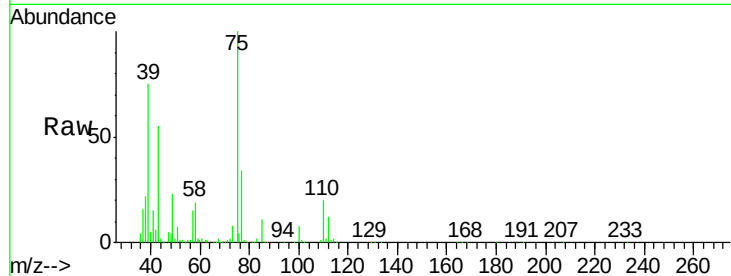
77 33.7 25.3 37.9

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

100000

80000

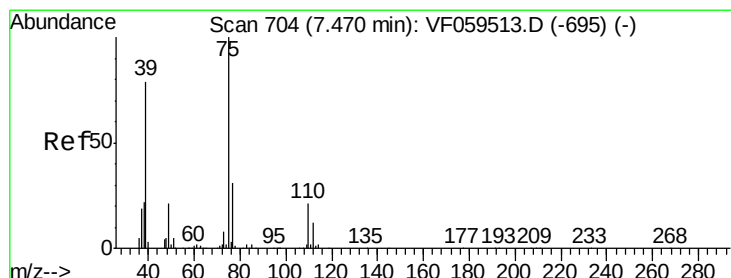
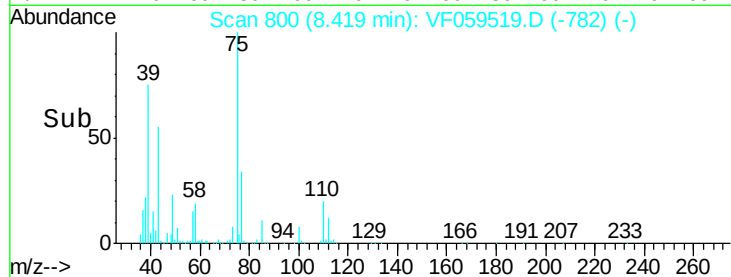
60000

40000

20000

0

Time--> 8.30 8.40 8.50 8.60



#54

cis-1,3-Dichloropropene

Concen: 52.11 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

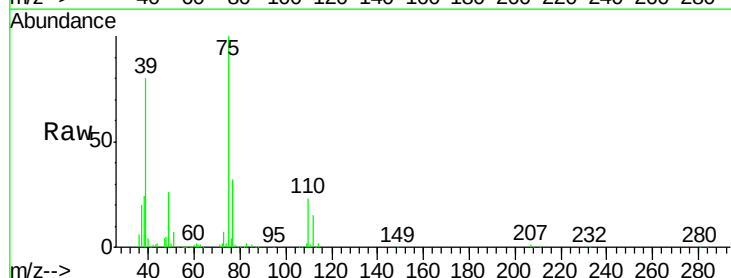
Tgt Ion: 75 Resp: 235484

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.6

39 79.5 63.8 95.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

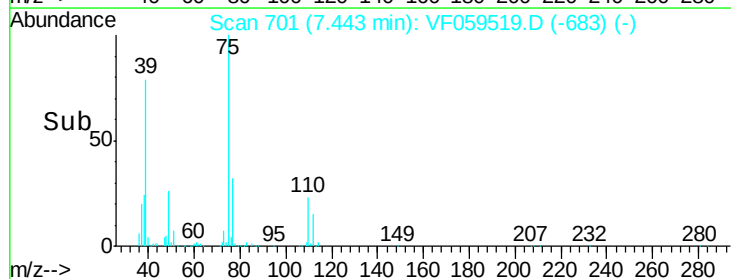
7.44

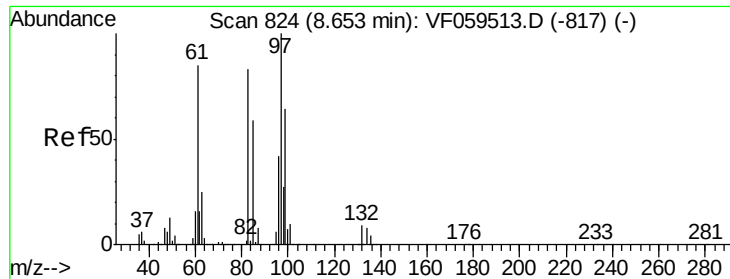
100000

50000

0

Time--> 7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 54.34 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

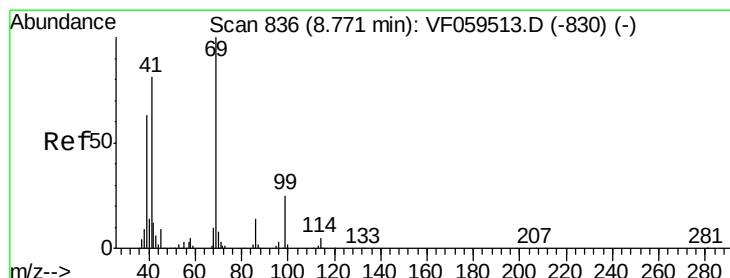
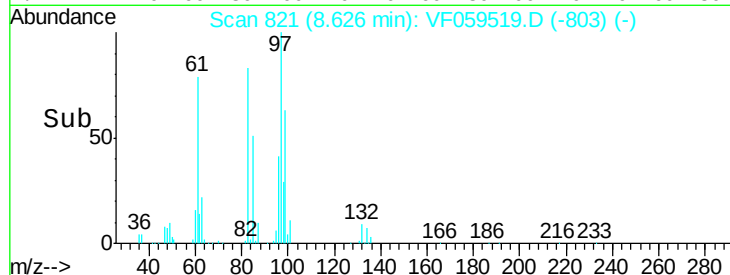
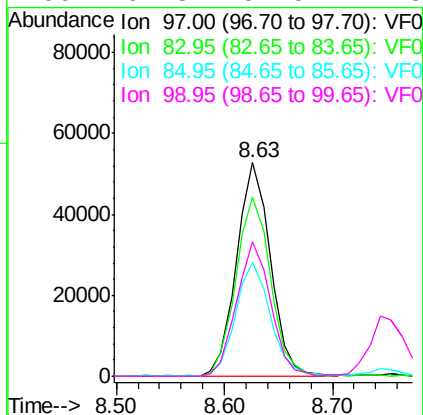
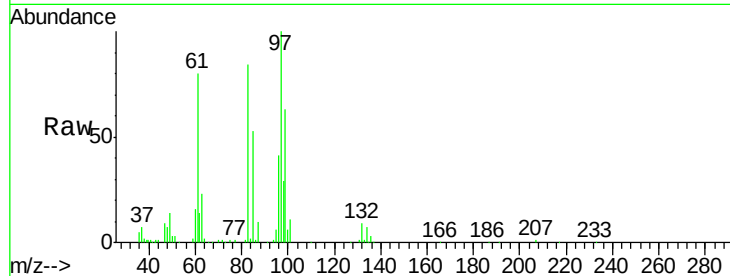
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	115789
Ion Ratio	Lower	Upper	
97	100		
83	83.7	66.9	100.3
85	53.3	46.9	70.3
99	62.8	51.5	77.3

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#56

Ethyl methacrylate

Concen: 53.89 ug/l

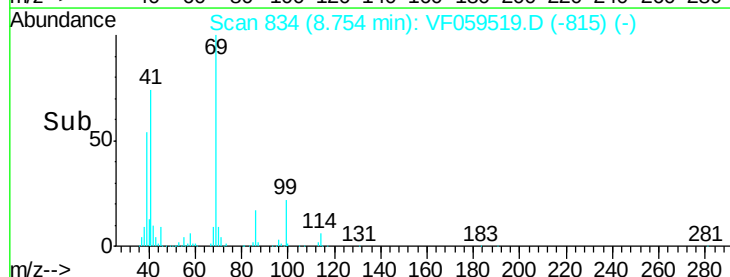
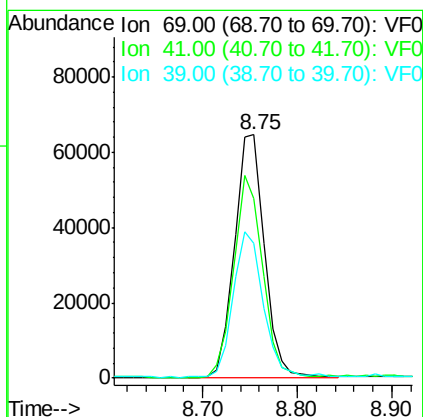
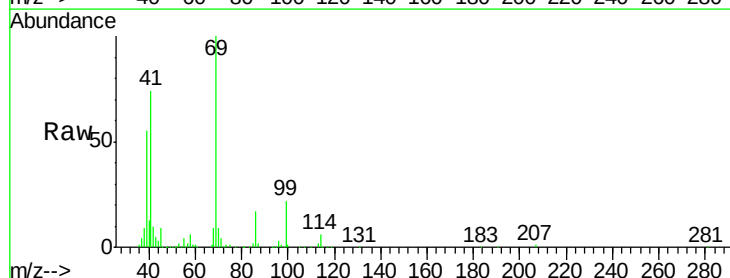
RT: 8.75 min Scan# 834

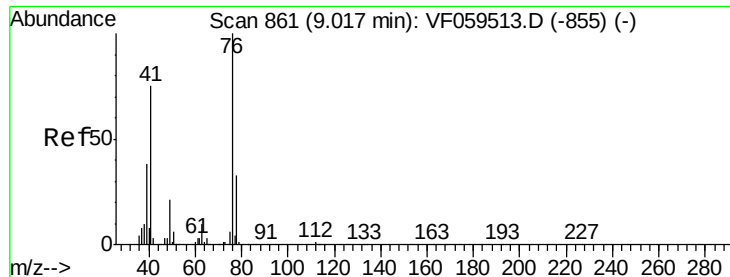
Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	69	Resp:	142415
Ion Ratio	Lower	Upper	
69	100		
41	74.0	65.4	98.2
39	55.2	51.0	76.4





#57

1,3-Dichloropropane

Concen: 49.31 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.03 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 185793

Ion Ratio Lower Upper

76 100

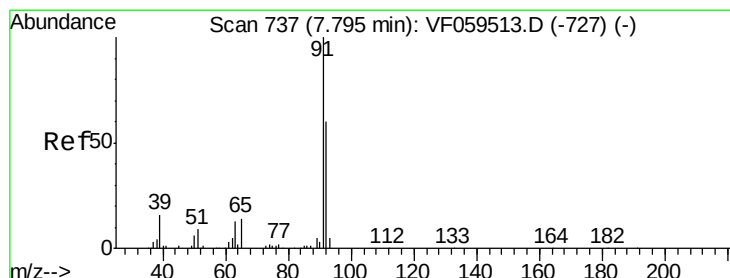
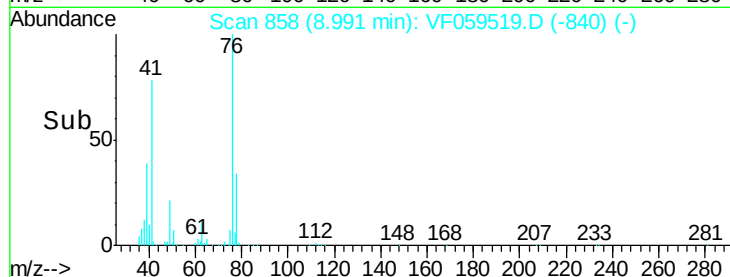
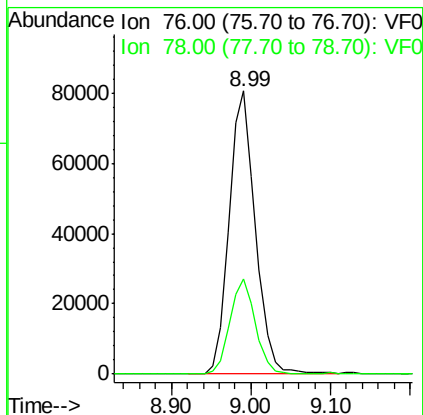
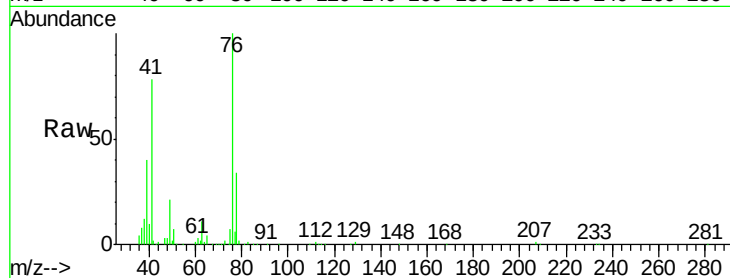
78 33.6 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 238.00 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059519.D

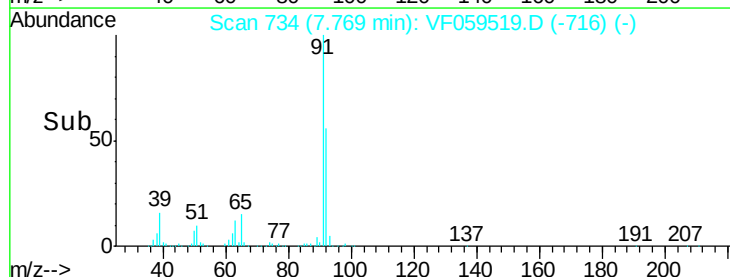
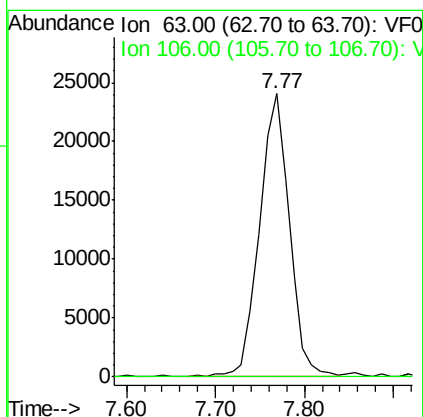
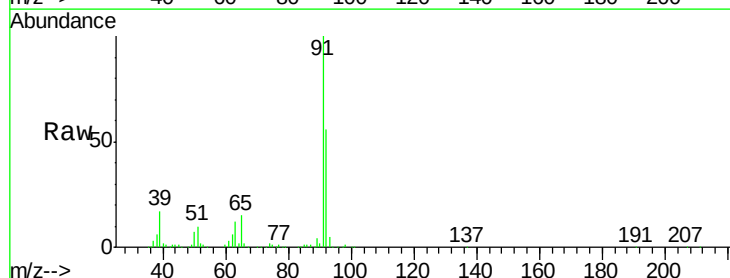
Acq: 18 Jul 2018 18:04

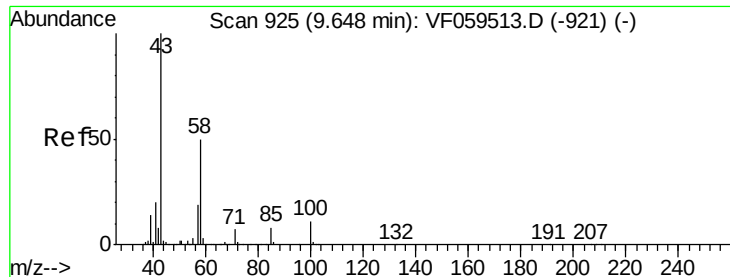
Tgt Ion: 63 Resp: 55525

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





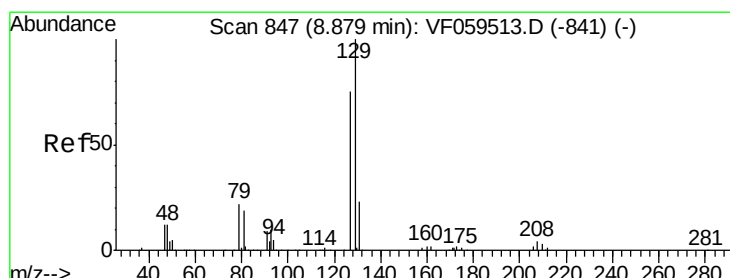
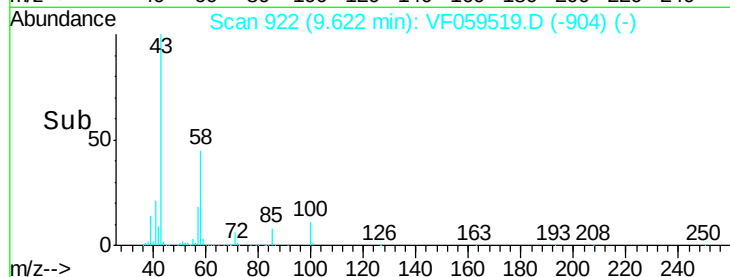
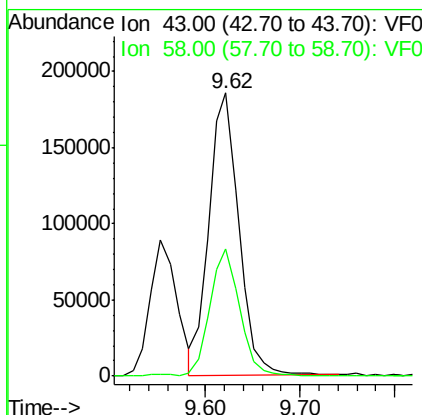
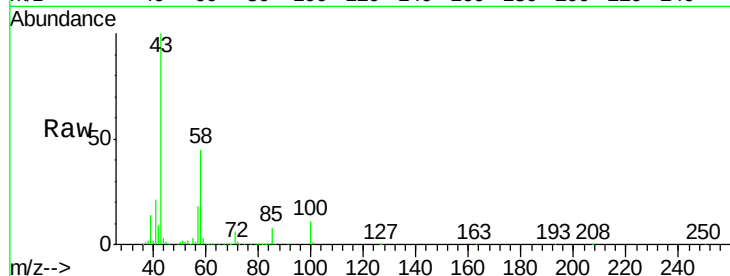
#59
2-Hexanone
Concen: 269.69 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.03 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 405793
Ion Ratio Lower Upper
43 100
58 44.7 23.3 69.9

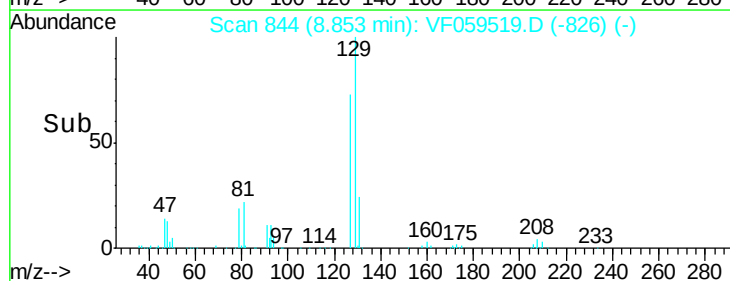
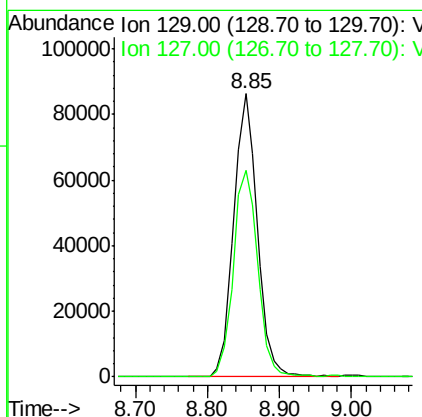
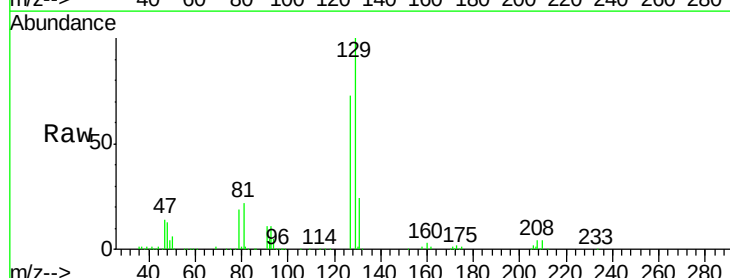
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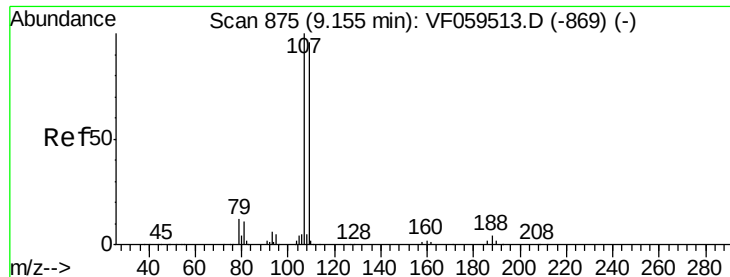
apatel
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#60
Dibromochloromethane
Concen: 55.18 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.03 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion: 129 Resp: 198168
Ion Ratio Lower Upper
129 100
127 72.9 37.6 112.8





#61

1,2-Dibromoethane

Concen: 52.15 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.04 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 137879

Ion Ratio Lower Upper

107 100

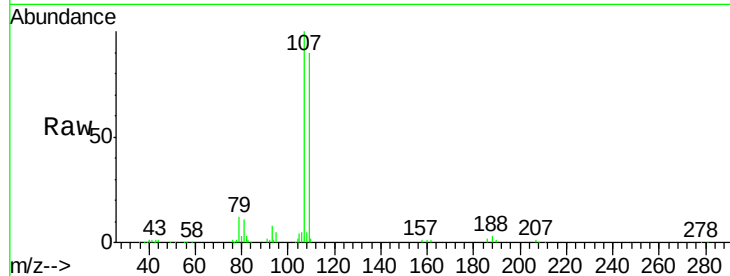
109 90.3 76.5 114.7

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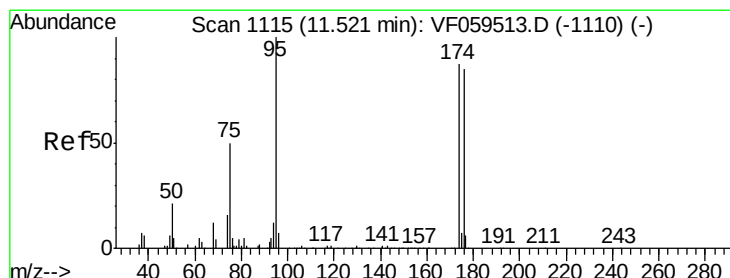
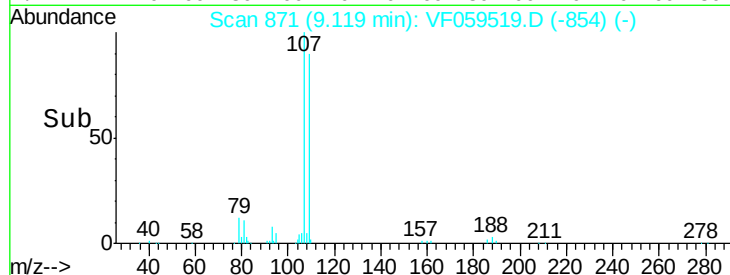
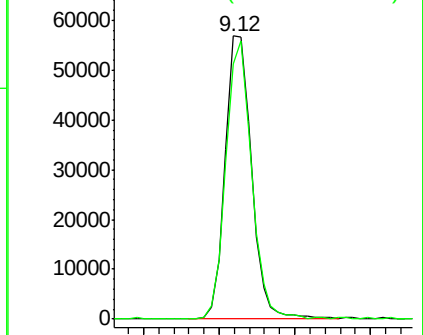
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.35 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

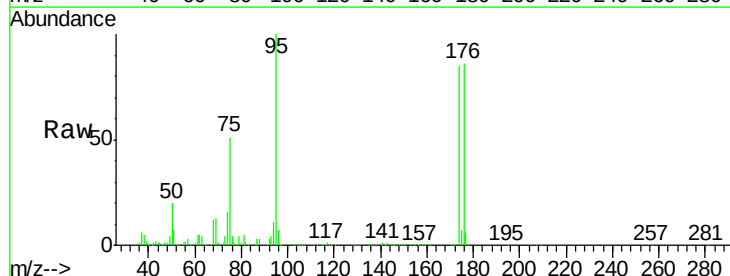
Tgt Ion: 95 Resp: 233970

Ion Ratio Lower Upper

95 100

174 85.4 0.0 174.4

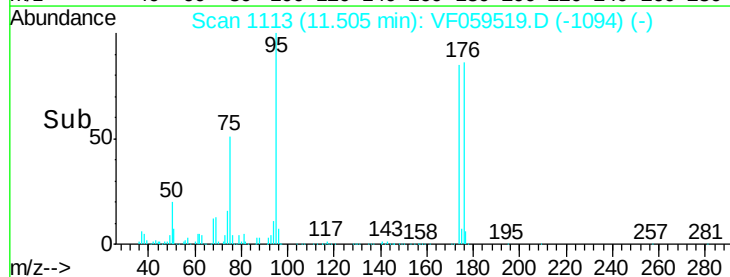
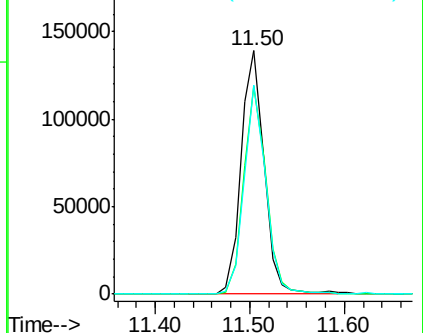
176 85.7 0.0 169.4

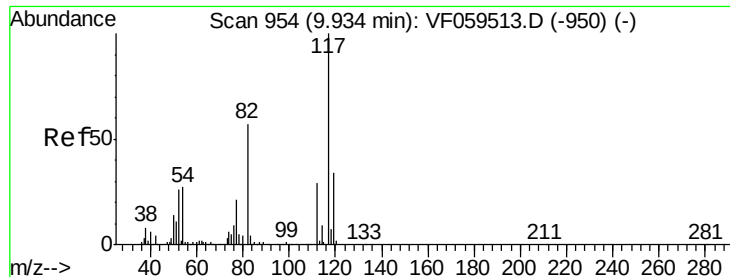


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





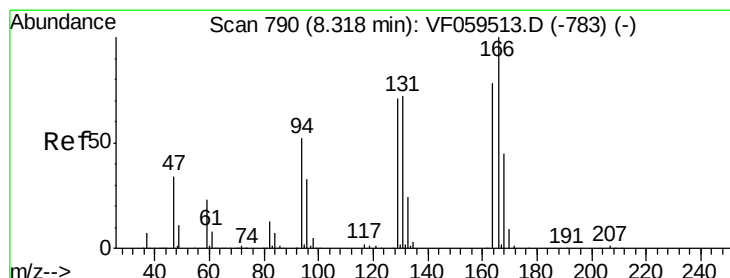
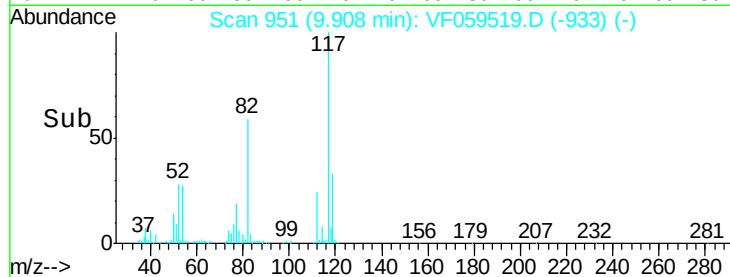
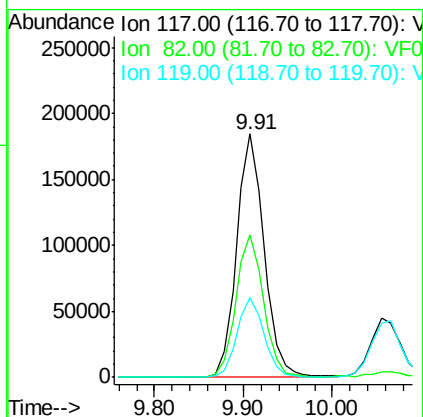
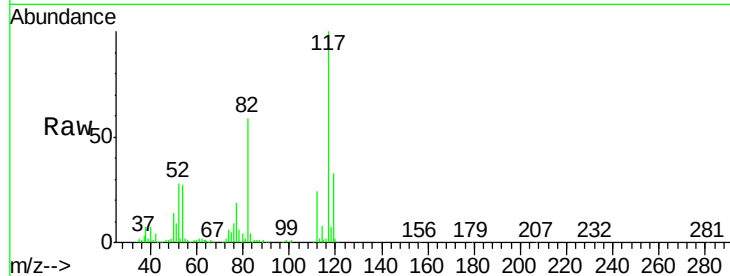
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	58.6	46.1	69.1
119	32.9	27.2	40.8

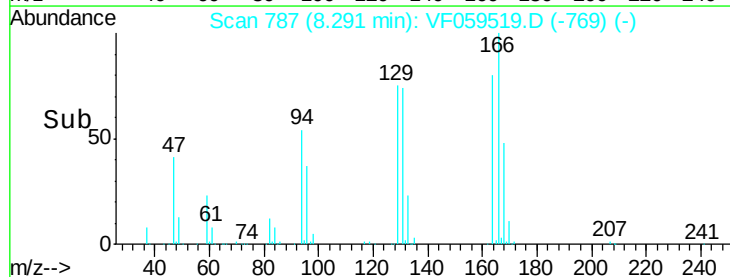
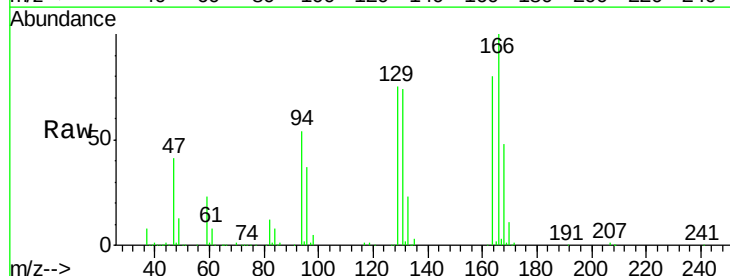
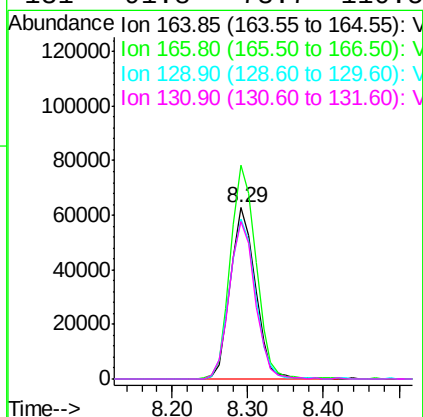
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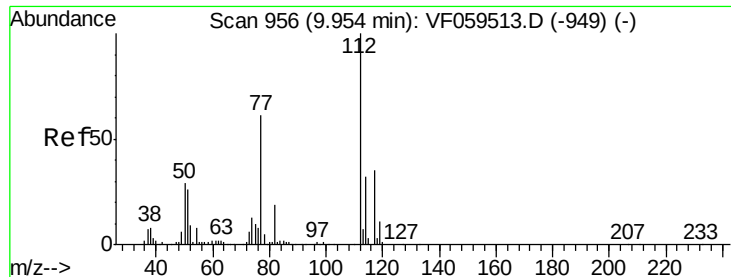
apatel
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#64
Tetrachloroethene
Concen: 48.53 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.03 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	124.6	102.3	153.5
129	93.1	72.4	108.6
131	91.8	73.7	110.5





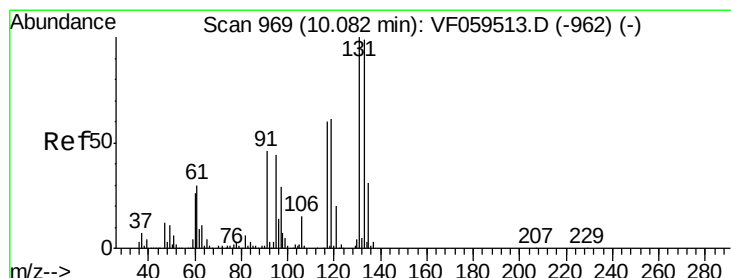
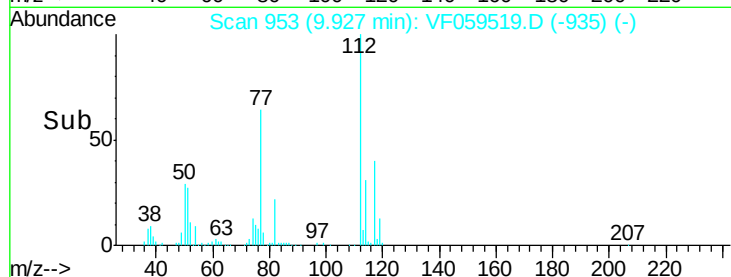
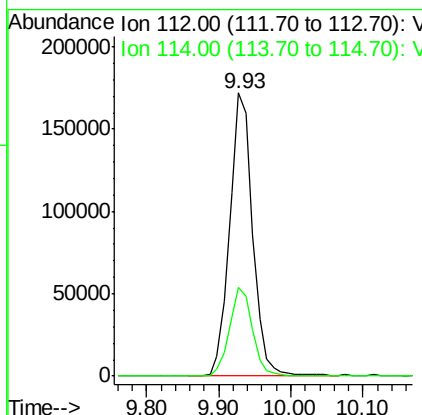
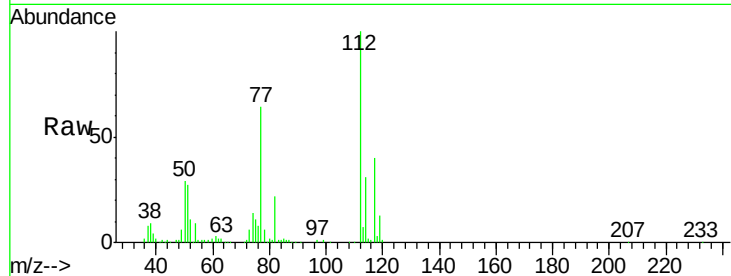
#65
Chlorobenzene
Concen: 51.26 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.03 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.2

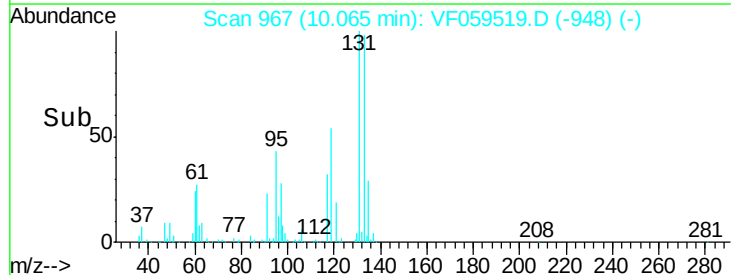
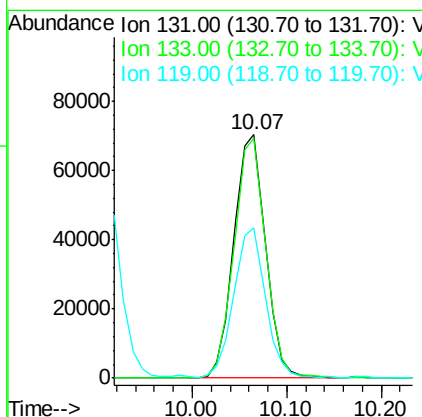
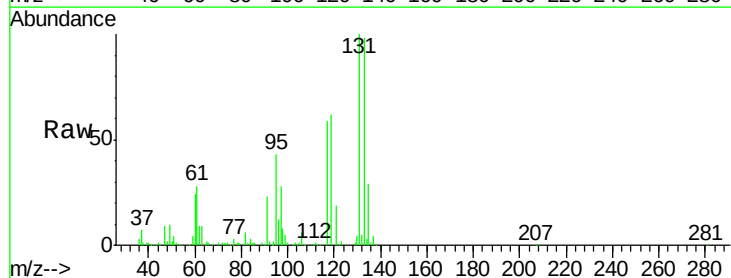
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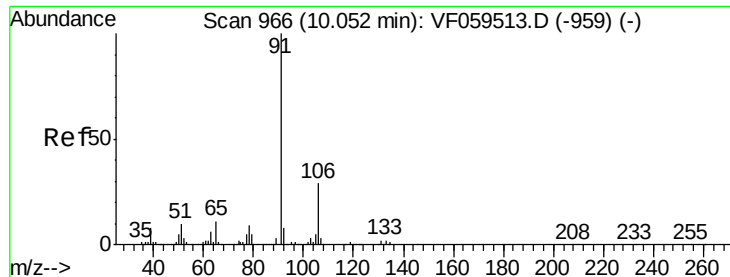
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.27 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.4	49.6	148.8
119	61.7	31.4	94.3





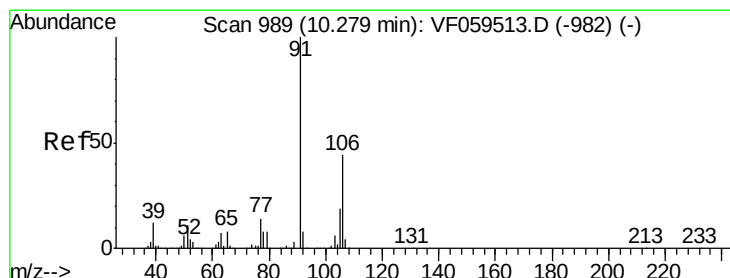
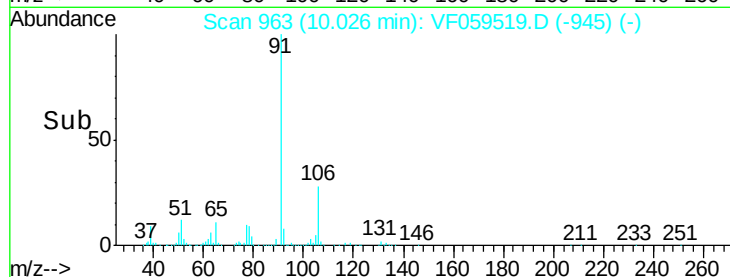
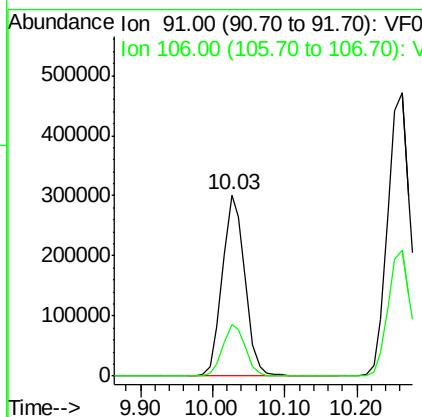
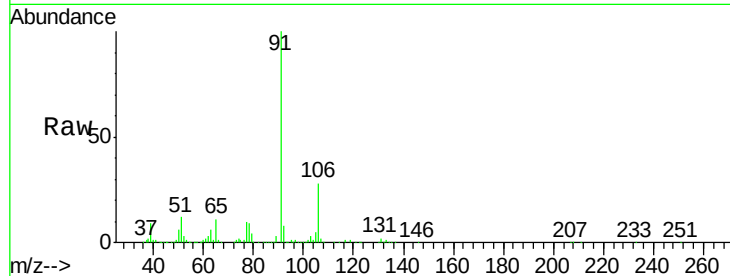
#67
Ethyl Benzene
Concen: 49.45 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.03 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 656471
Ion Ratio Lower Upper
91 100
106 28.4 23.4 35.2

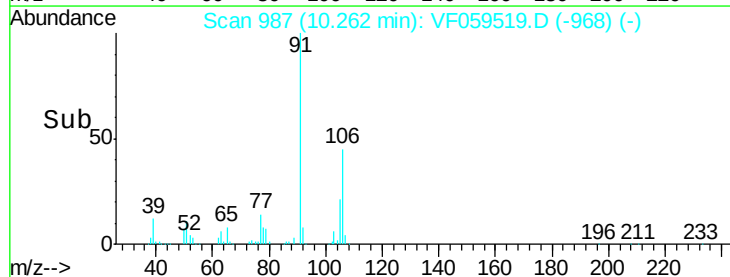
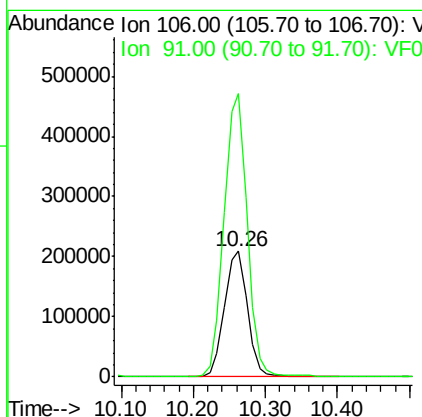
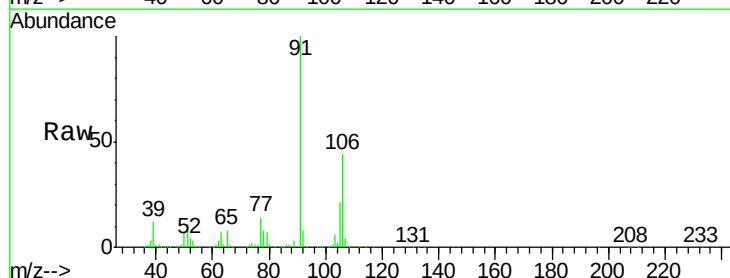
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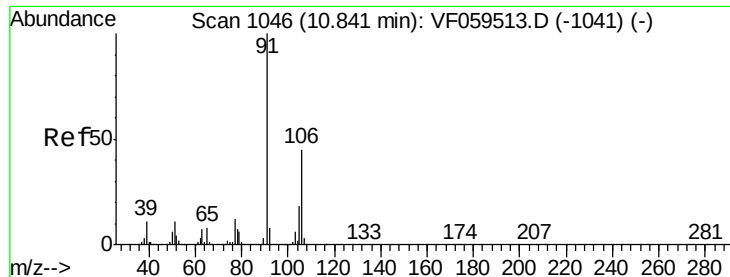
apatel
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#68
m/p-Xylenes
Concen: 98.94 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion: 106 Resp: 463611
Ion Ratio Lower Upper
106 100
91 225.1 181.0 271.4





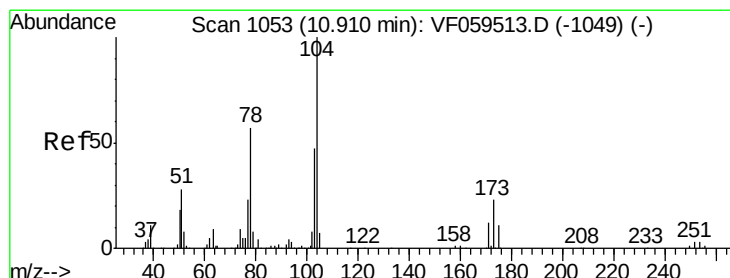
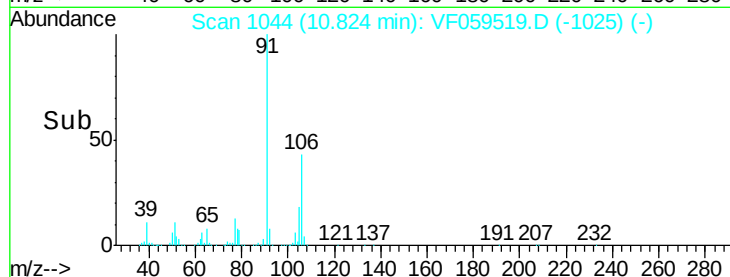
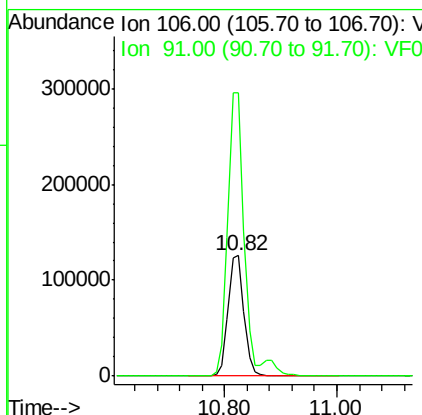
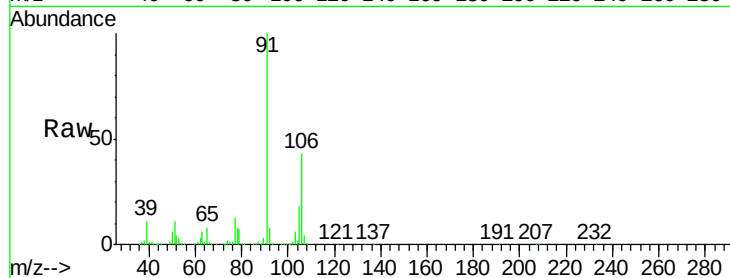
#69
o-Xylene
Concen: 49.90 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 248979
Ion Ratio Lower Upper
106 100
91 234.3 112.3 336.9

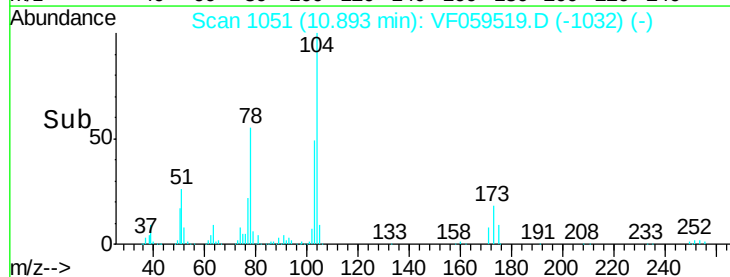
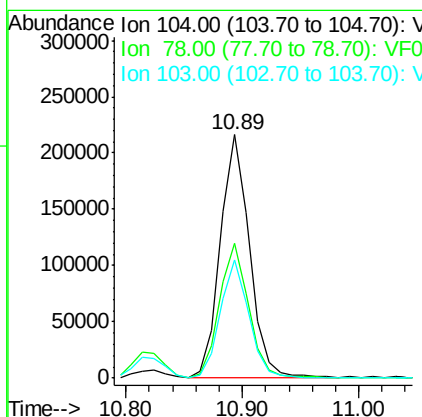
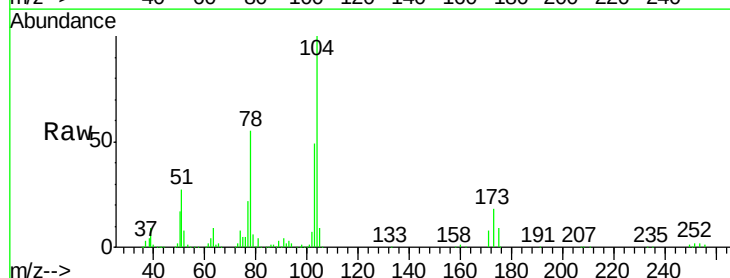
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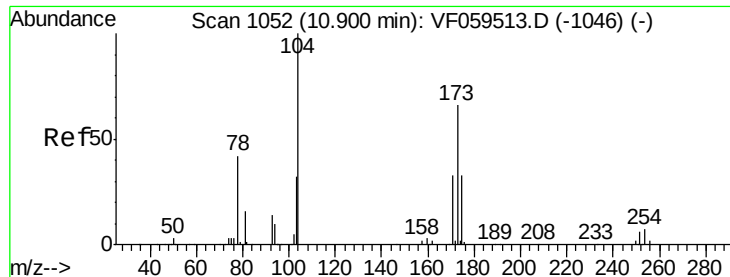
apatel
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#70
Styrene
Concen: 48.83 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion:104 Resp: 374463
Ion Ratio Lower Upper
104 100
78 55.4 45.7 68.5
103 48.5 38.1 57.1





#71

Bromoform

Concen: 52.32 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

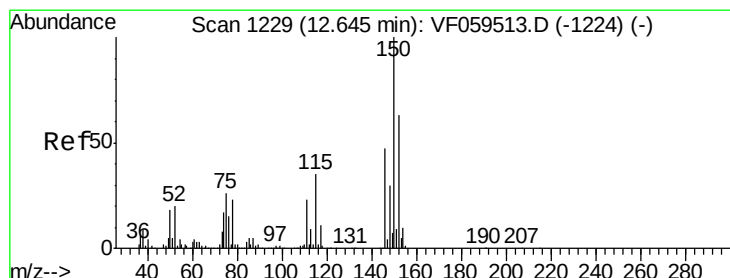
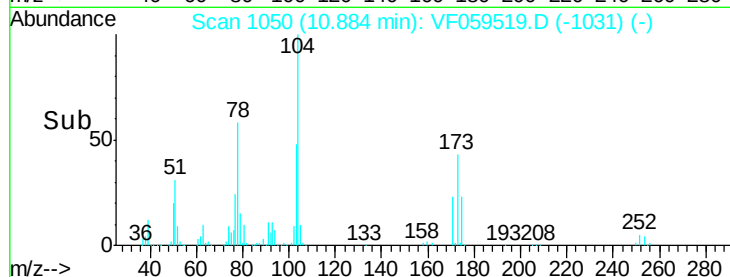
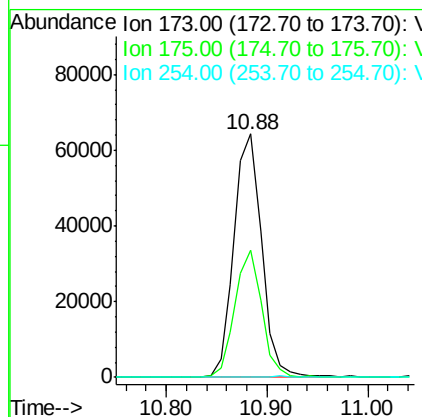
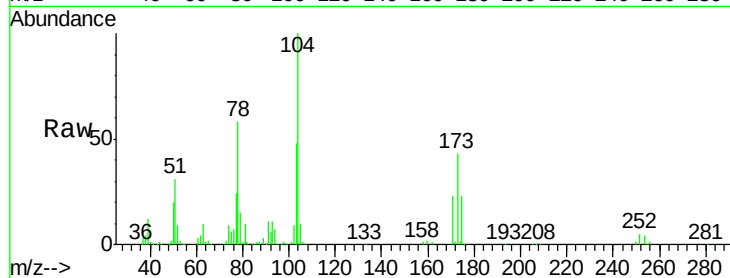
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	123450
Ion Ratio	Lower	Upper	
173	100		
175	52.6	25.3	75.8
254	0.2	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

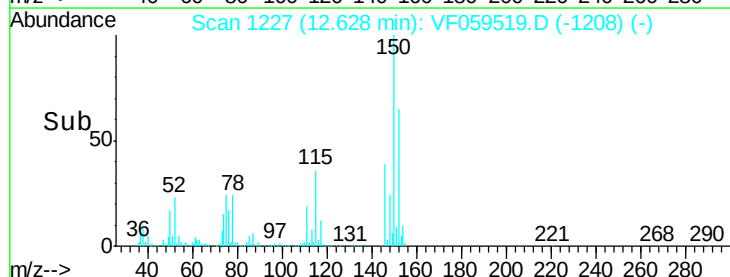
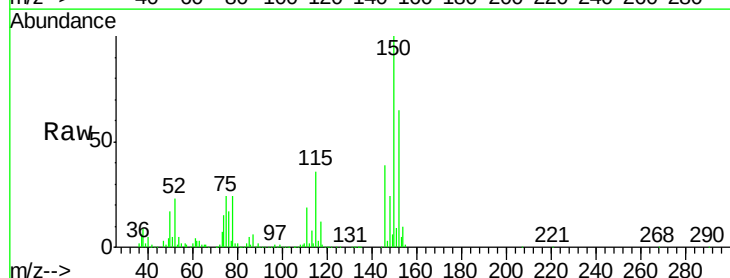
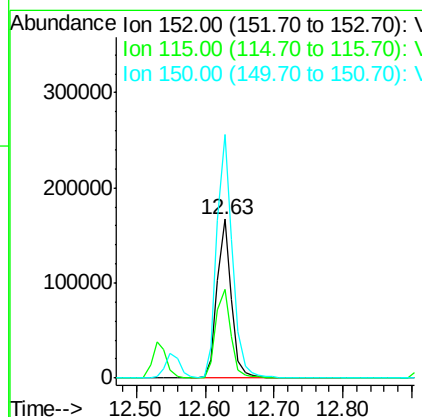
RT: 12.63 min Scan# 1227

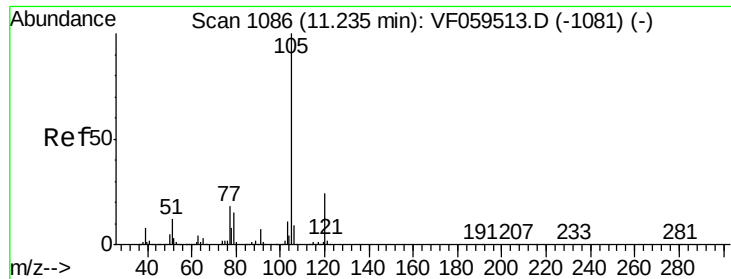
Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	152	Resp:	239049
Ion Ratio	Lower	Upper	
152	100		
115	55.7	27.8	83.3
150	153.1	0.0	318.4





#73

Isopropylbenzene

Concen: 50.59 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 763142

Ion Ratio Lower Upper

105 100

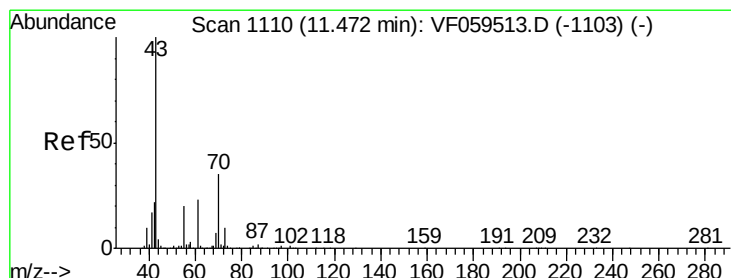
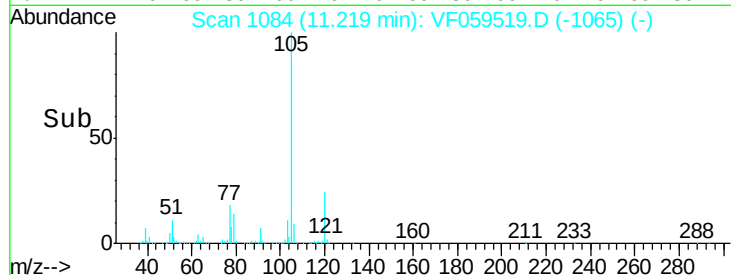
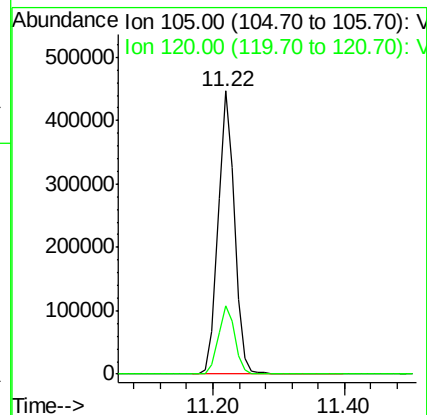
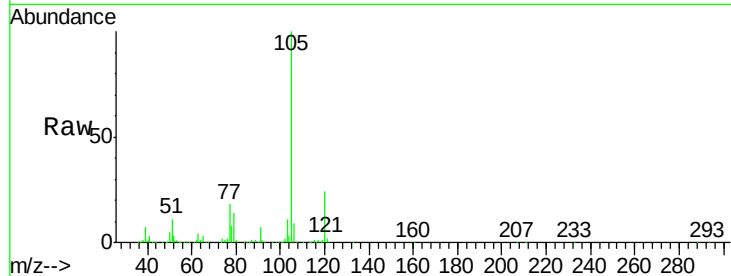
120 24.1 12.0 36.0

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#74

N-ethyl acetate

Concen: 47.82 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion: 43 Resp: 231030

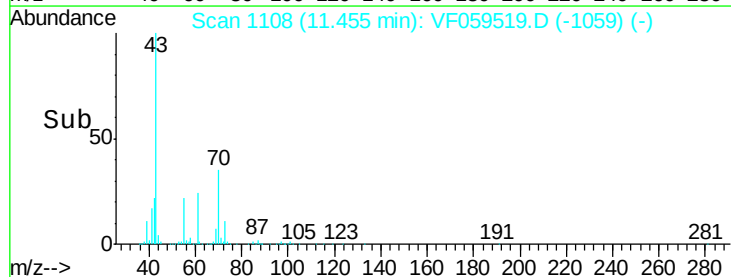
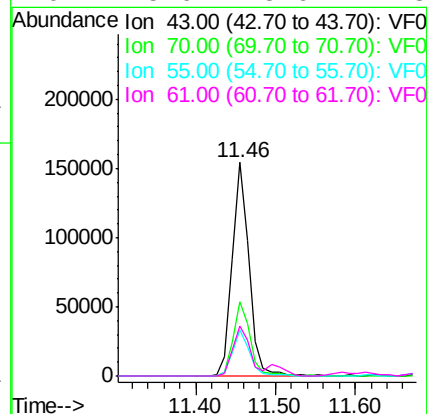
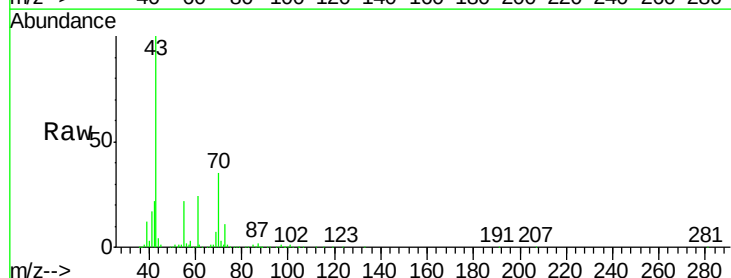
Ion Ratio Lower Upper

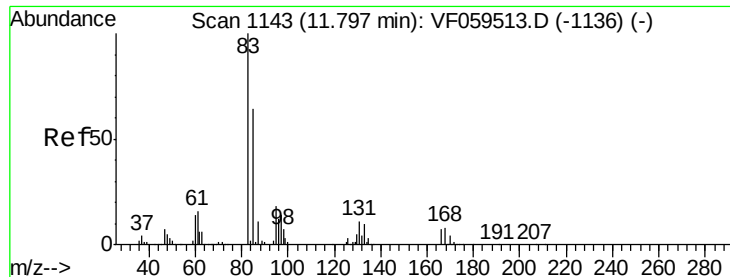
43 100

70 34.7 27.9 41.9

55 21.7 16.2 24.2

61 23.6 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.31 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

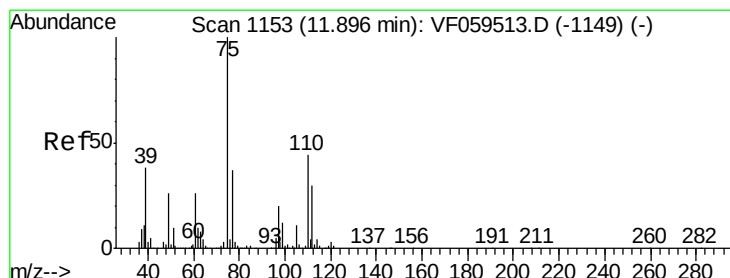
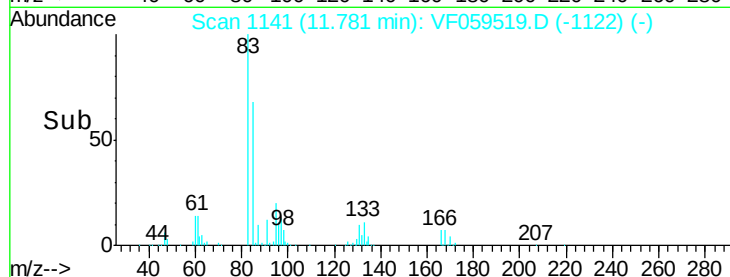
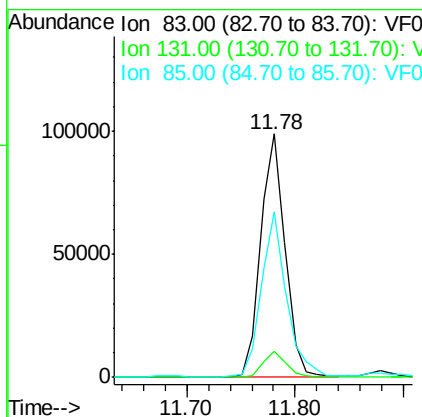
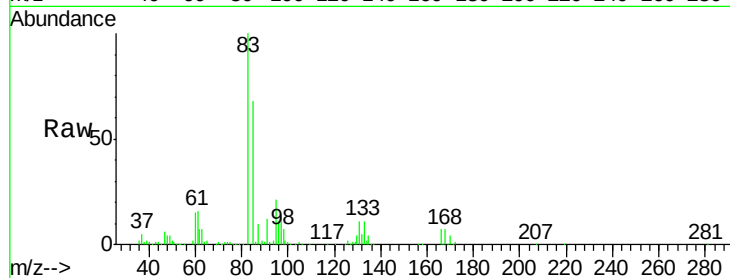
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	155644
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.1
85	67.9	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 50.14 ug/l

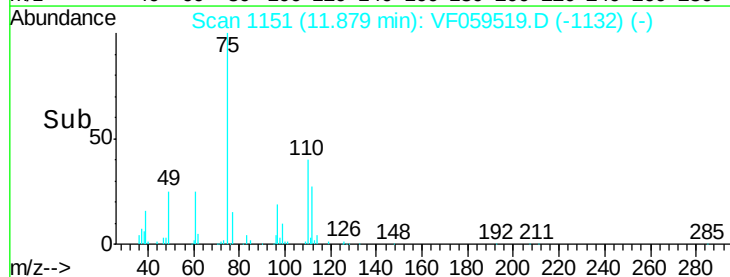
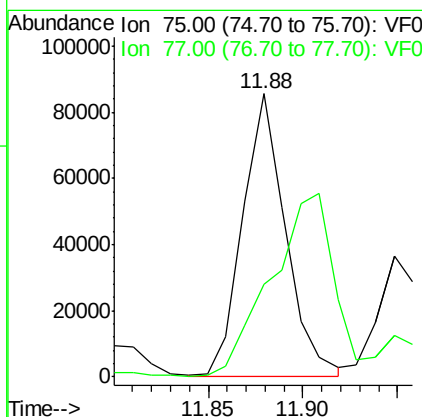
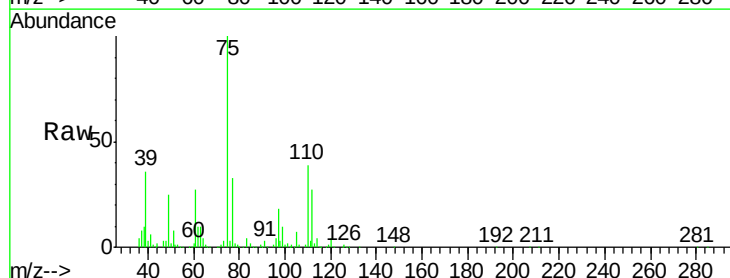
RT: 11.88 min Scan# 1151

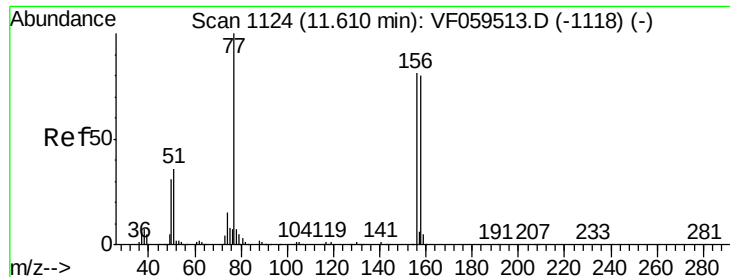
Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	75	Resp:	134702
Ion Ratio	Lower	Upper	
75	100		
77	32.7	18.7	56.1





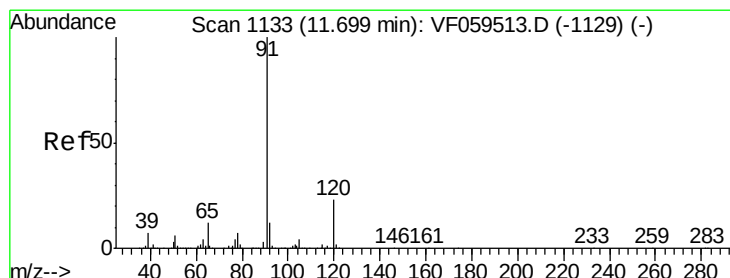
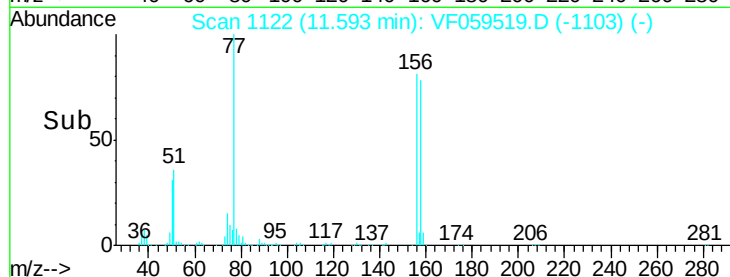
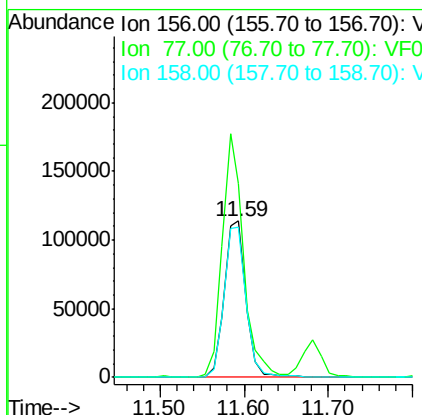
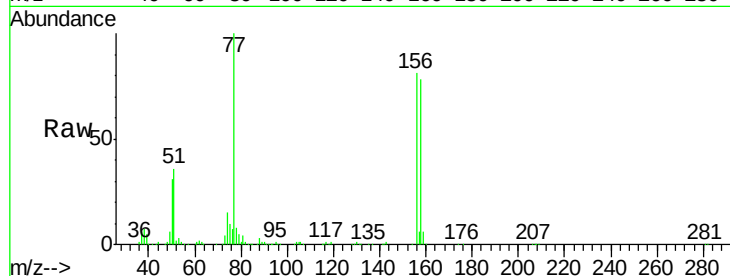
#77
Bromobenzene
Concen: 48.00 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	123.6	62.0	186.0
158	95.9	49.8	149.3

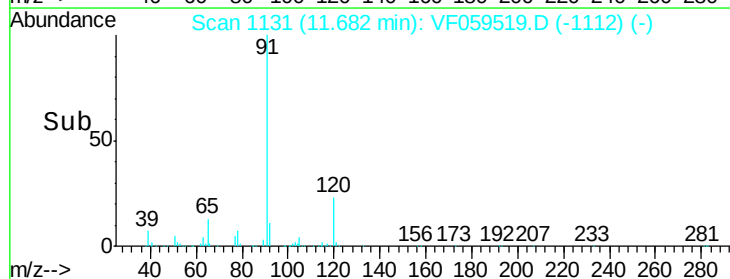
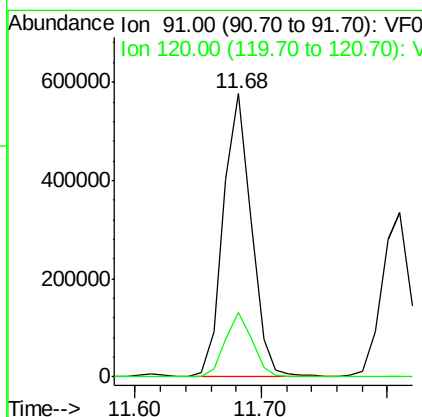
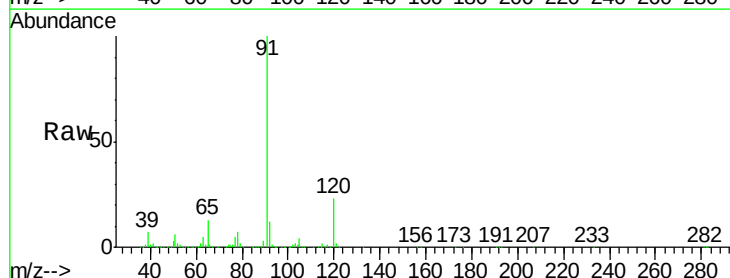
Manual Integrations
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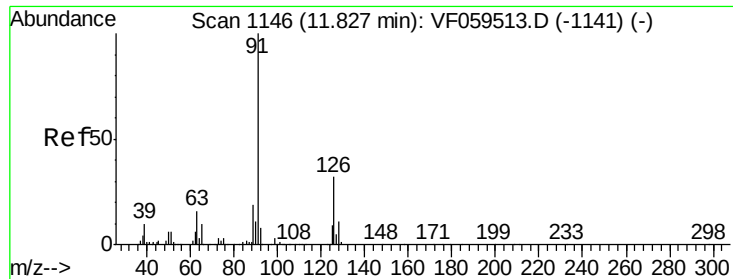
apatel
7/19/2018 10:18:18 AM



#78
n-propylbenzene
Concen: 51.23 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9





#79

2-Chlorotoluene

Concen: 49.56 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 528205

Ion Ratio Lower Upper

91 100

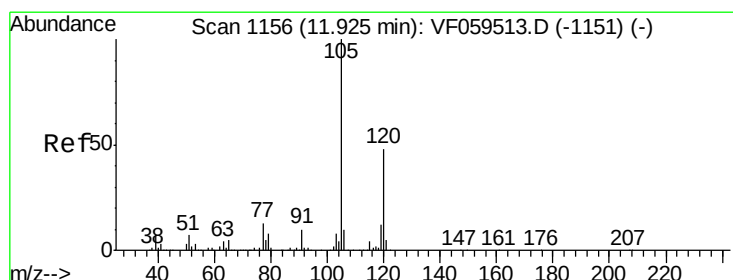
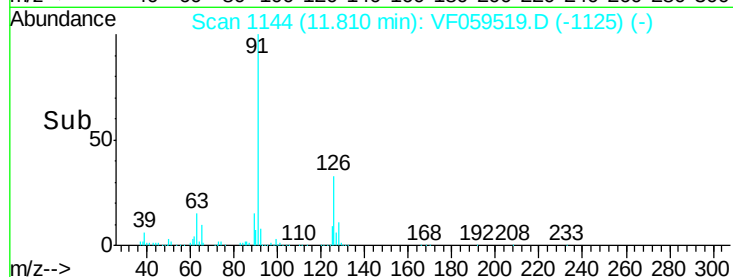
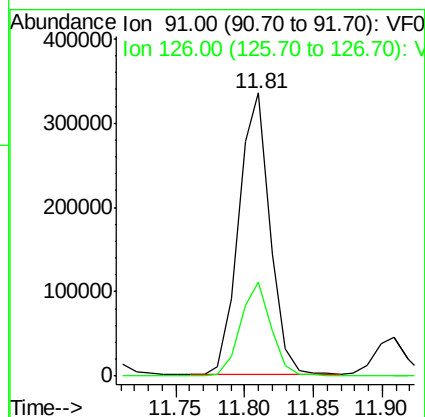
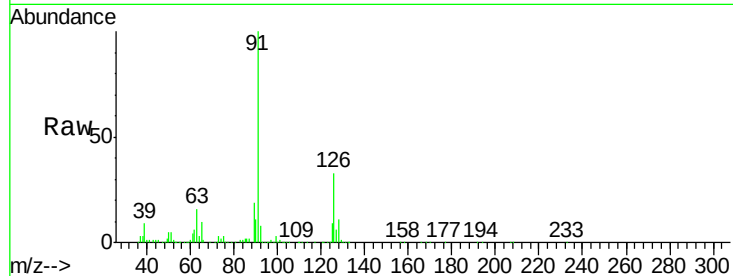
126 33.2 15.7 47.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.43 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VF059519.D

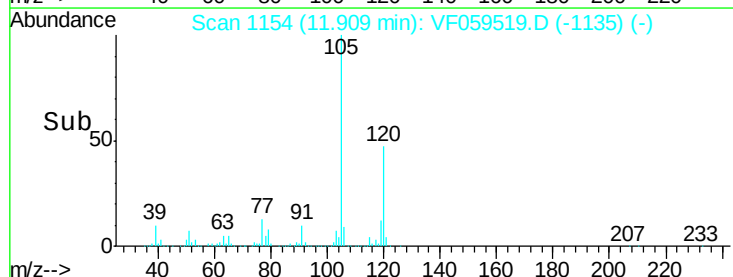
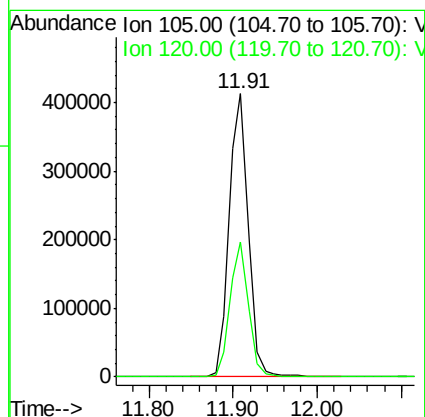
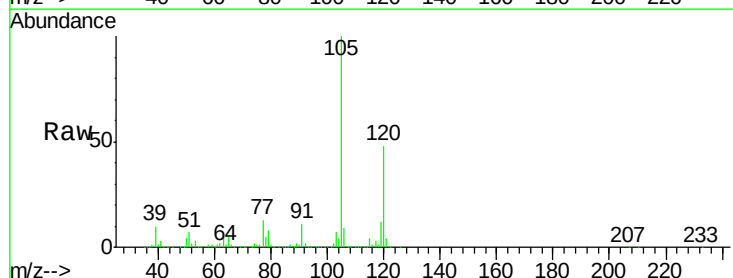
Acq: 18 Jul 2018 18:04

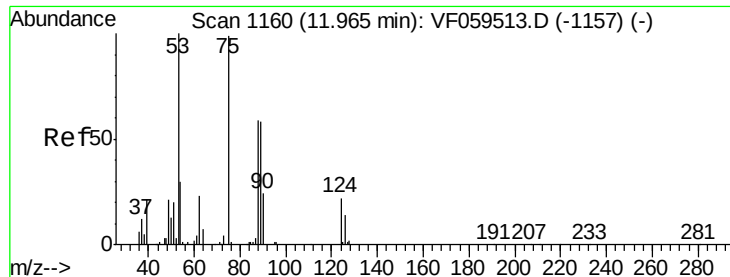
Tgt Ion: 105 Resp: 650067

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 47.24 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

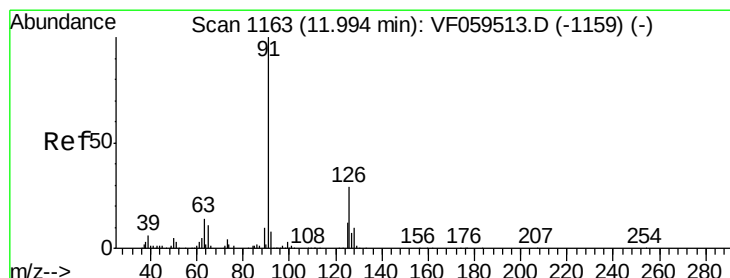
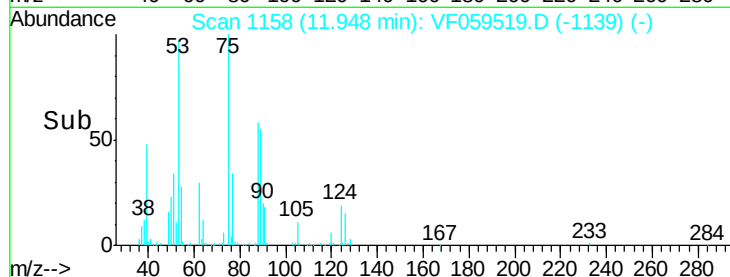
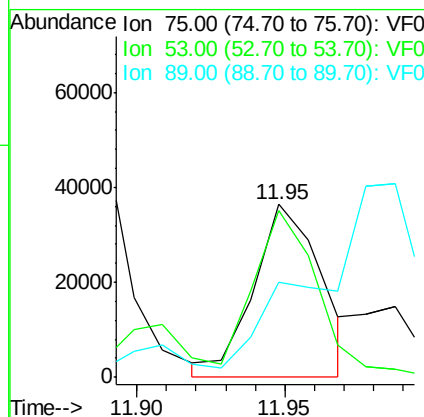
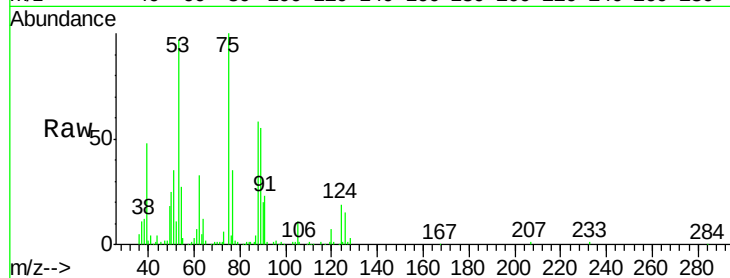
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	57981
Ion Ratio	Lower	Upper	
75	100		
53	96.8	84.6	127.0
89	55.4	48.2	72.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.51 ug/l

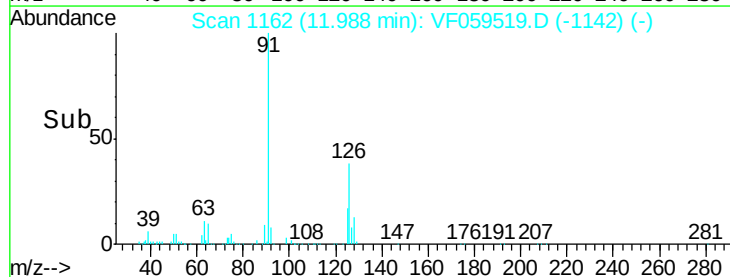
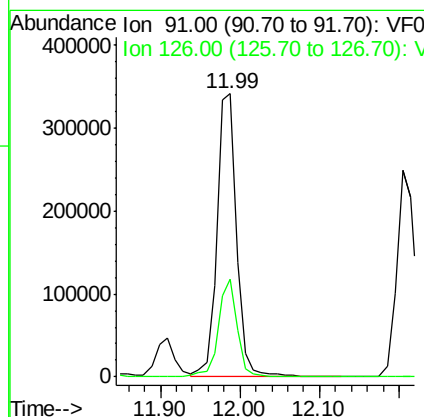
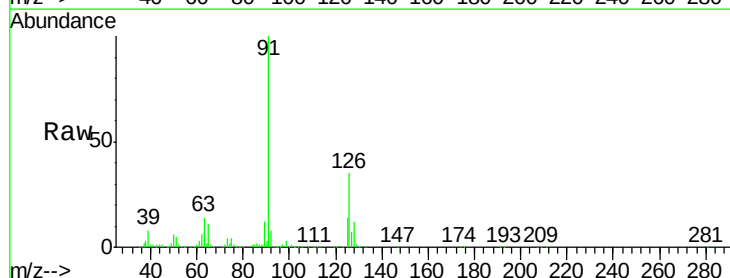
RT: 11.99 min Scan# 1162

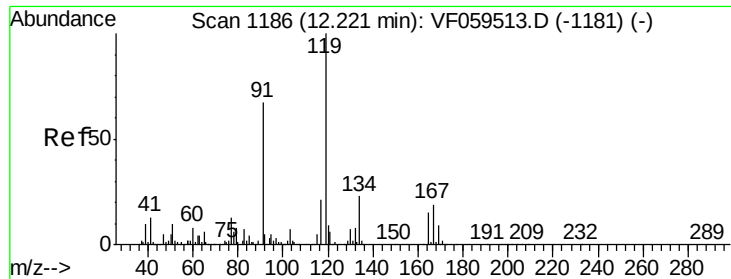
Delta R.T. -0.01 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Tgt Ion:	91	Resp:	591268
Ion Ratio	Lower	Upper	
91	100		
126	34.6	14.4	43.4





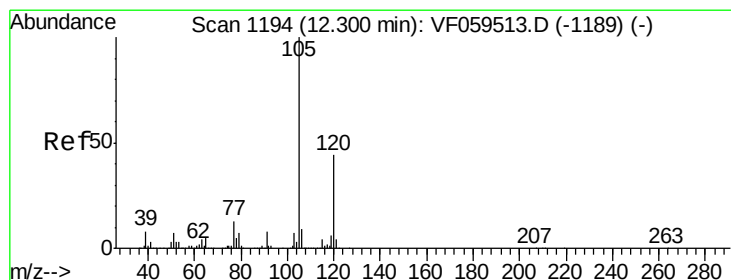
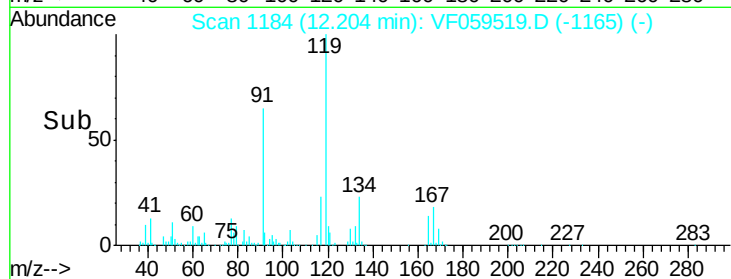
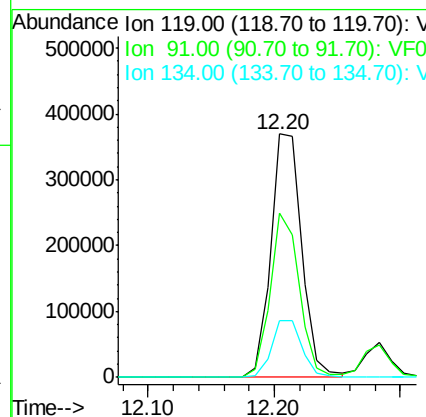
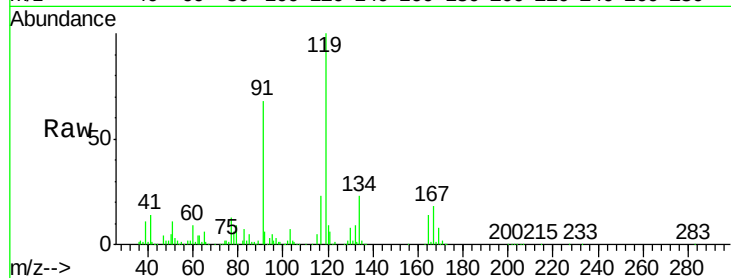
#83
 tert-Butylbenzene
 Concen: 51.94 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VF059519.D
 Acq: 18 Jul 2018 18:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	33.5	100.5
134	23.5	11.3	33.8

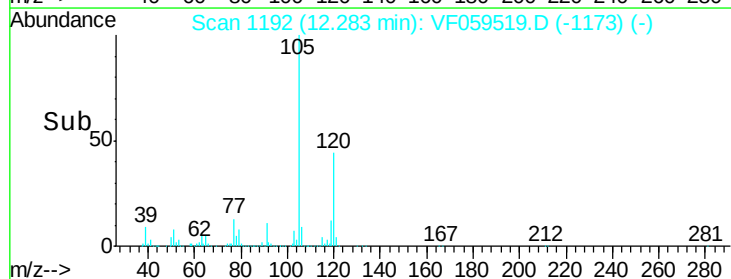
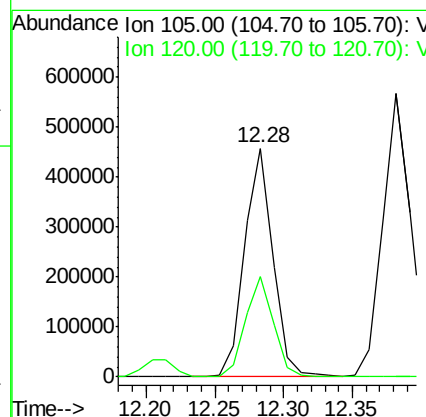
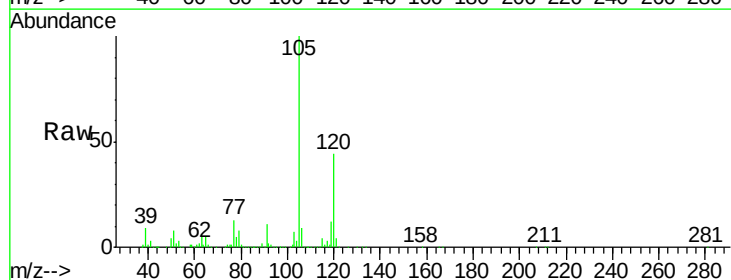
Manual Integrations
 APPROVED

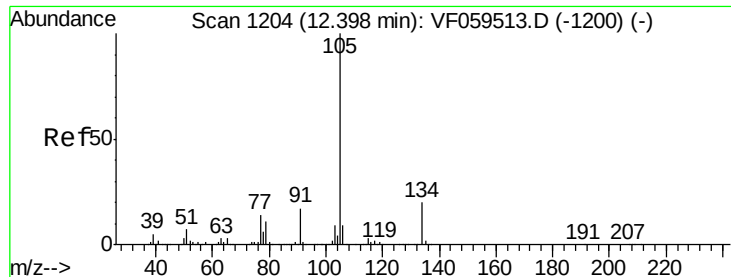
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.77 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: VF059519.D
 Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.5	67.5





#85

sec-Butylbenzene

Concen: 52.63 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 811908

Ion Ratio Lower Upper

105 100

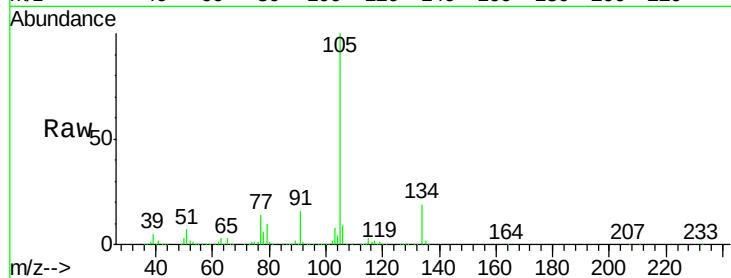
134 19.0 10.1 30.1

Manual Integrations

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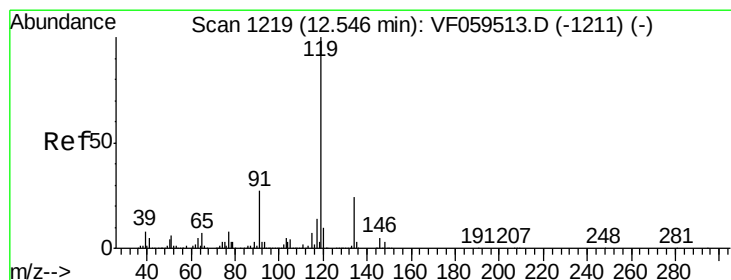
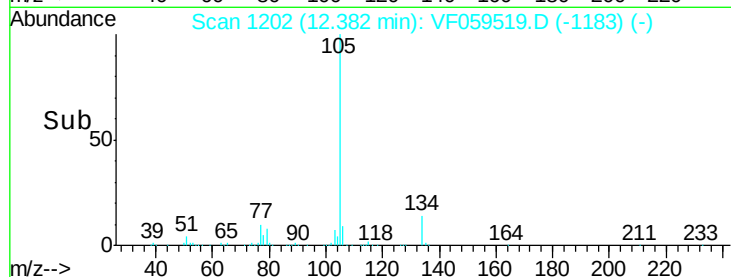
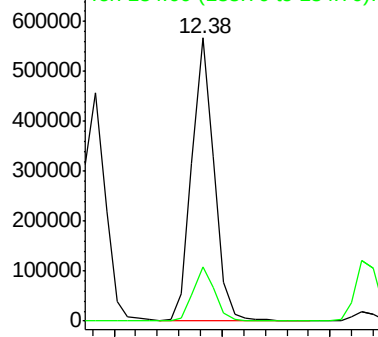
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.91 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VF059519.D

Acq: 18 Jul 2018 18:04

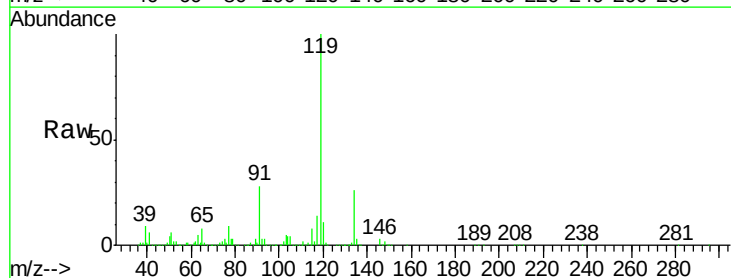
Tgt Ion:119 Resp: 710279

Ion Ratio Lower Upper

119 100

134 25.7 12.0 36.0

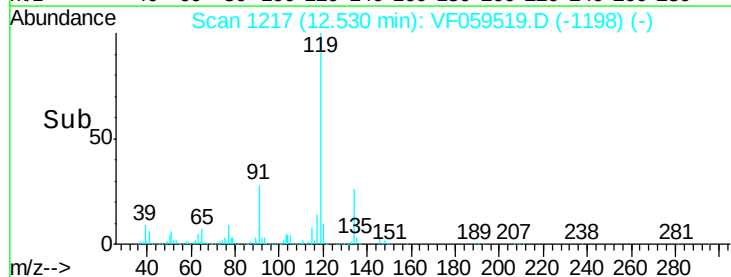
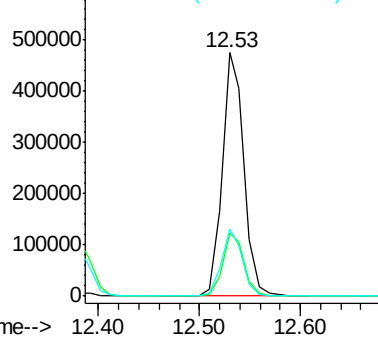
91 27.8 13.5 40.4

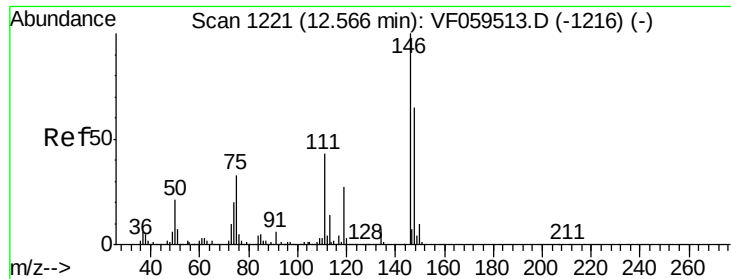


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





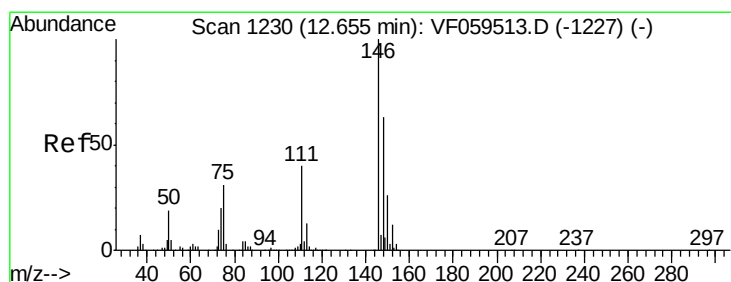
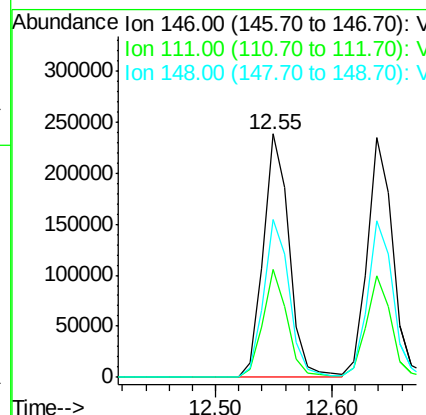
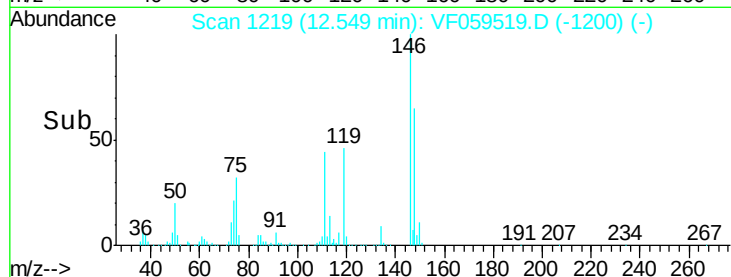
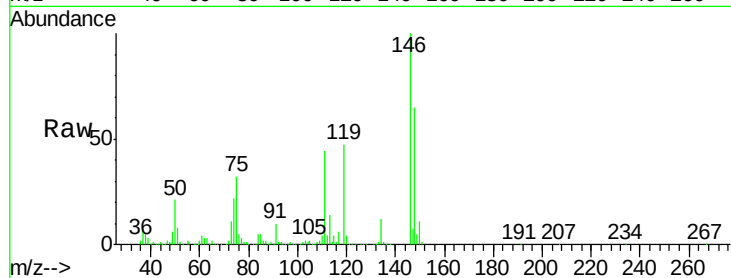
#87
 1,3-Dichlorobenzene
 Concen: 50.25 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: VF059519.D
 Acq: 18 Jul 2018 18:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.4	64.3
148	64.7	32.7	98.1

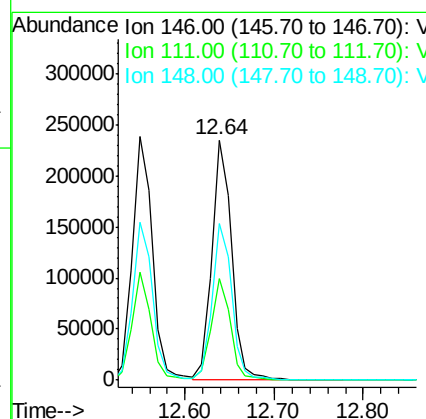
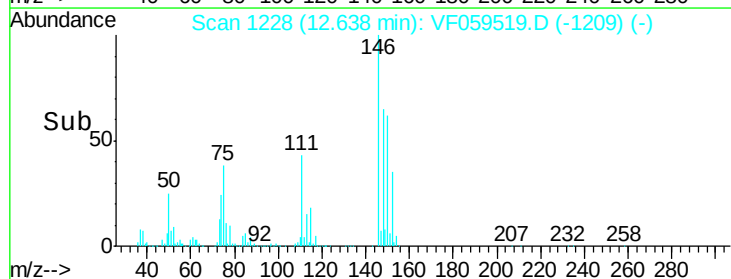
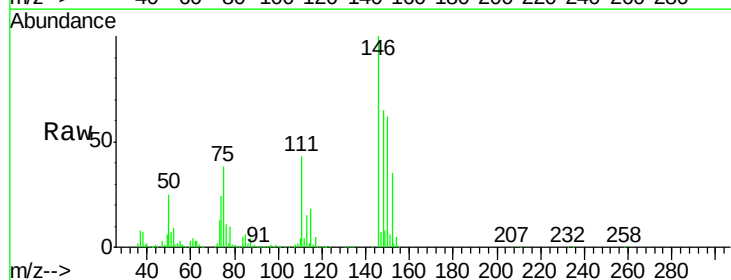
Manual Integrations
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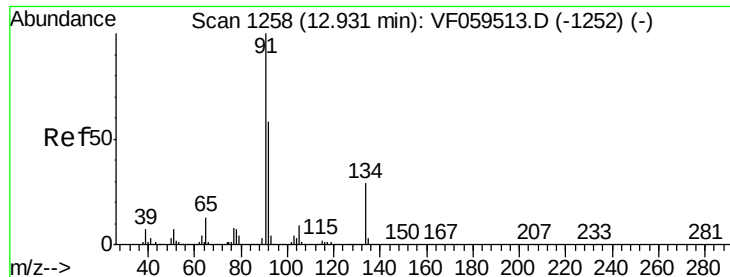
apatel
 7/19/2018 10:18:18 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.15 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VF059519.D
 Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.0	59.9
148	65.2	31.5	94.5





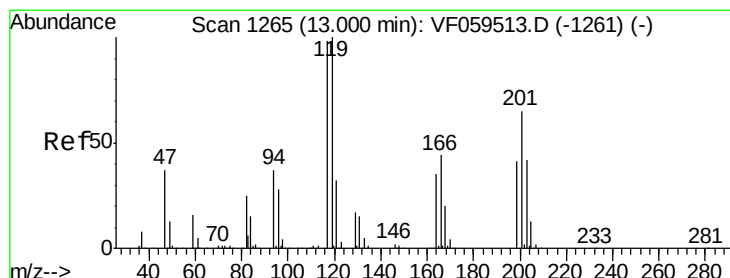
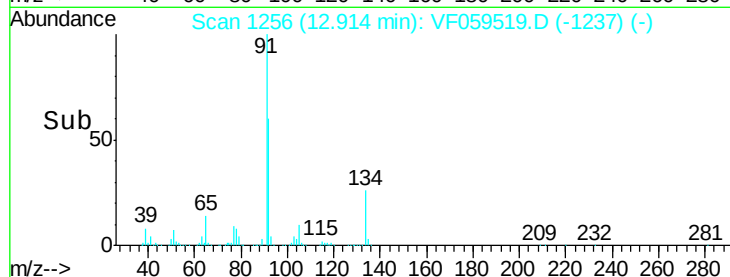
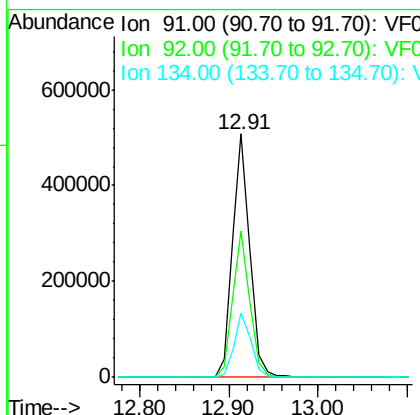
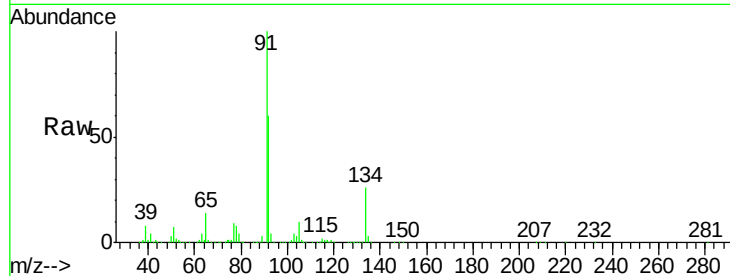
#89
n-Butylbenzene
Concen: 55.63 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.0	29.1	87.3
134	26.4	14.3	42.9

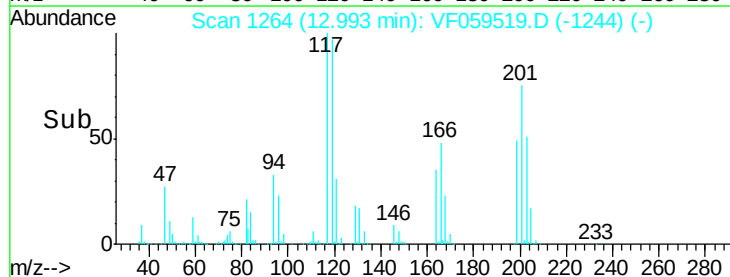
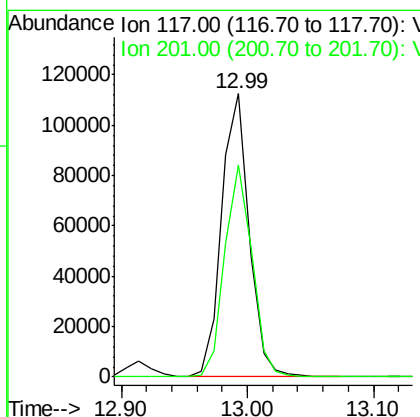
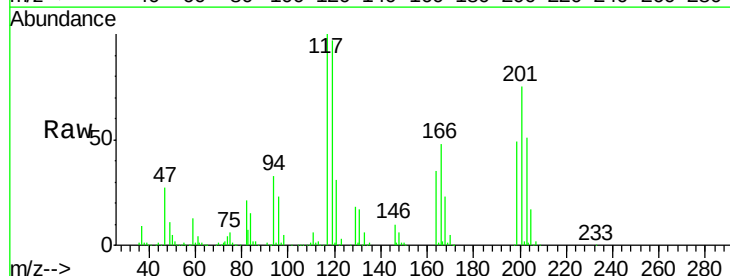
Manual Integrations
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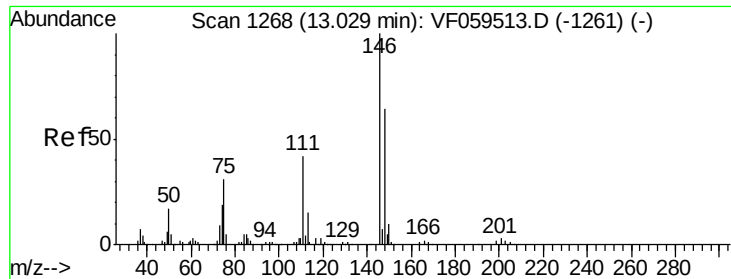
apatel
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#90
Hexachloroethane
Concen: 55.87 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	32.6	98.0





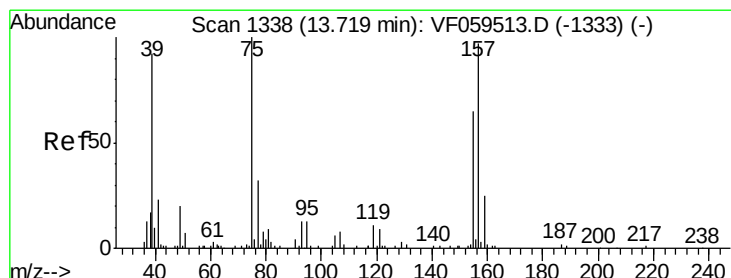
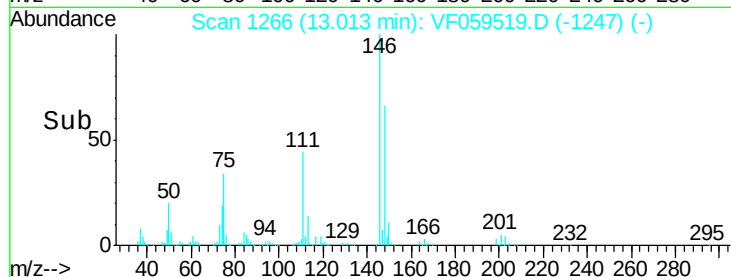
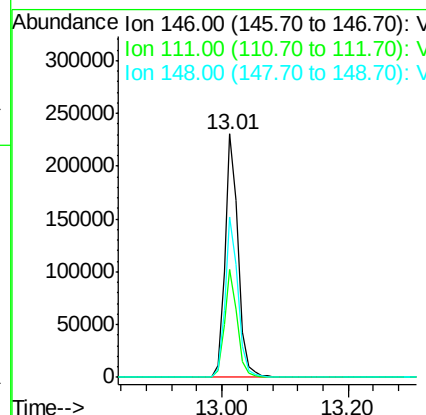
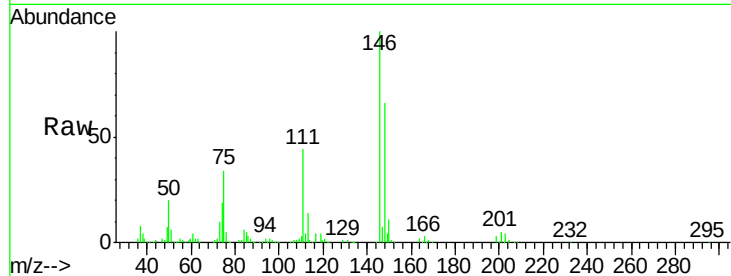
#91
 1,2-Dichlorobenzene
 Concen: 48.85 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: VF059519.D
 Acq: 18 Jul 2018 18:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.1	63.1
148	65.7	32.3	96.8

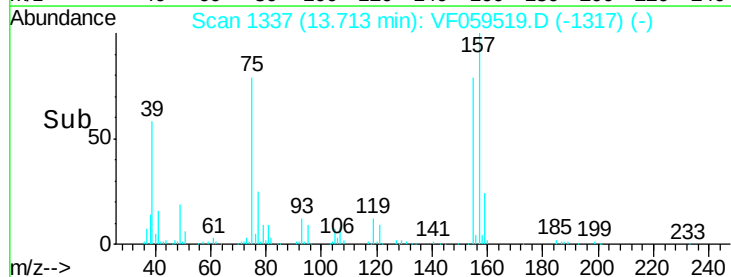
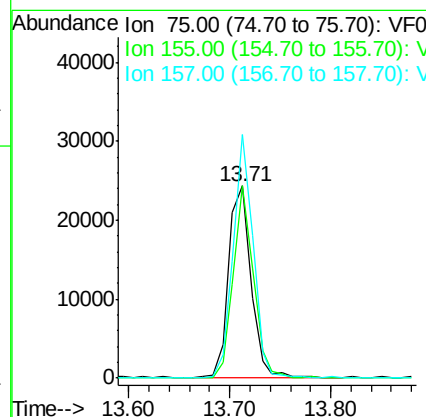
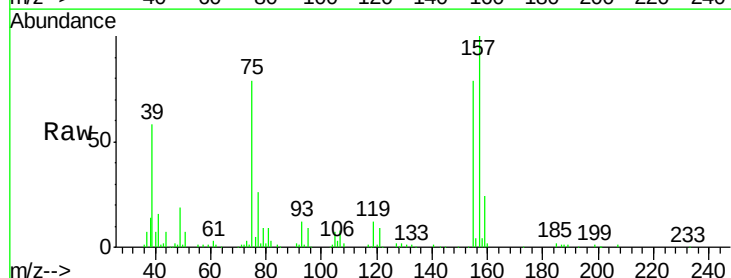
Manual Integrations
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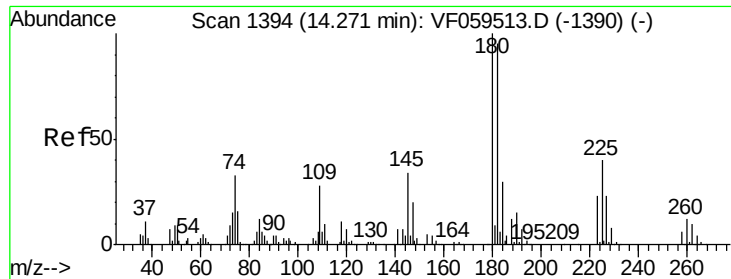
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.38 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059519.D
 Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	32.8	98.3
157	126.6	48.5	145.5





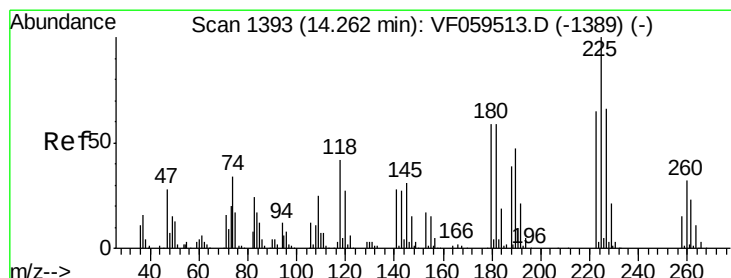
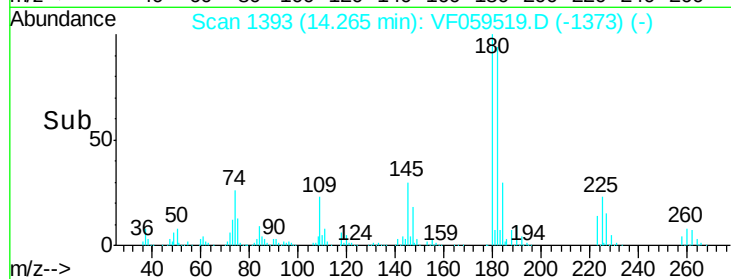
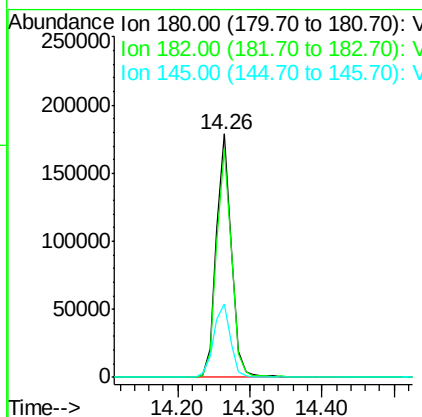
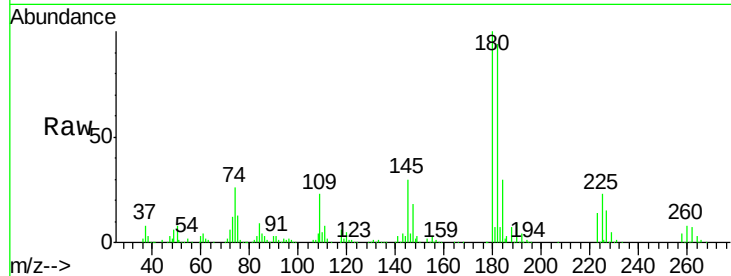
#93
1,2,4-Trichlorobenzene
Concen: 60.02 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.01 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	253022		
182	93.7	47.5	142.5	
145	30.3	17.3	51.7	

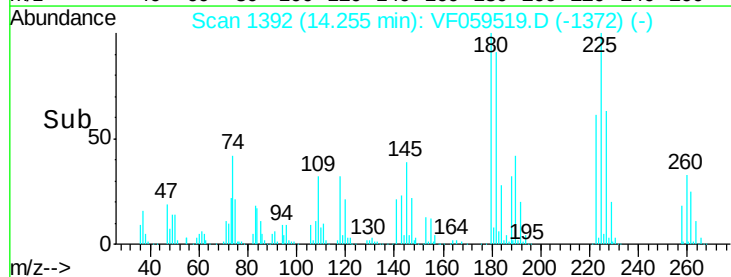
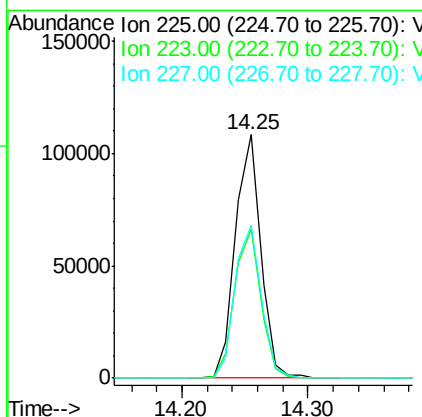
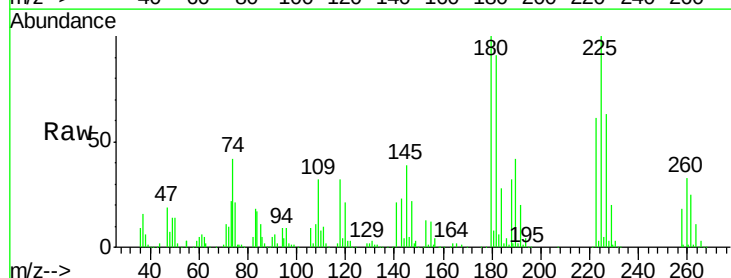
Manual Integrations
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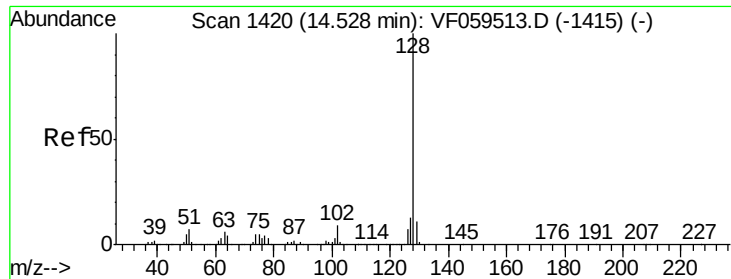
apatel
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#94
Hexachlorobutadiene
Concen: 69.92 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150988		
223	61.4	32.3	96.8	
227	62.9	33.2	99.6	





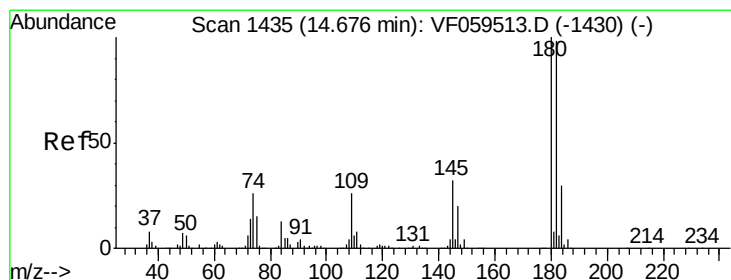
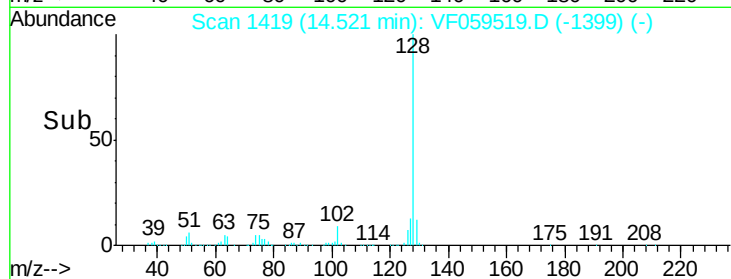
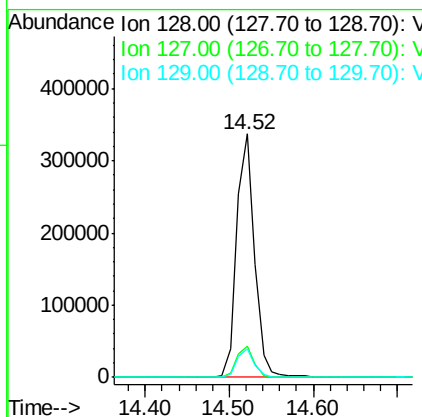
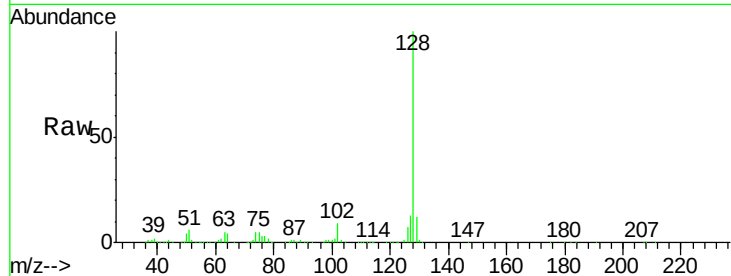
#95
Naphthalene
Concen: 57.04 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.7	9.0	13.4

Manual Integrations
APPROVED

apatel
7/19/2018 10:18:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 59.96 ug/l m
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059519.D
Acq: 18 Jul 2018 18:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.8	146.4
145	29.5	16.2	48.6

