

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059966.D
 Acq On : 15 Aug 2018 2:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 8/16/2018 12:19:53 PM

Quant Time: Aug 15 11:26:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	112250	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.79	114	166456	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	165772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	106249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	102270	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
35) Dibromofluoromethane	4.31	113	80726	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	7.73	98	175922	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.53	95	100861	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	76159	45.78	ug/l	89
3) Chloromethane	1.10	50	32603	46.00	ug/l	99
4) Vinyl Chloride	1.17	62	37390	45.93	ug/l	96
5) Bromomethane	1.35	94	34745	47.42	ug/l	93
6) Chloroethane	1.44	64	23910	45.24	ug/l	96
7) Trichlorofluoromethane	1.55	101	114103m	47.98	ug/l	
8) Diethyl Ether	1.71	74	16444	50.28	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.91	101	54648	45.52	ug/l	93
10) Methyl Iodide	1.98	142	90084	48.08	ug/l #	93
11) Tert butyl alcohol	2.69	59	20691	265.38	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	42086	47.31	ug/l	88
13) Acrolein	2.10	56	11823	254.08	ug/l	96
14) Allyl chloride	2.20	41	61676	48.72	ug/l	97
15) Acrylonitrile	3.09	53	31308	264.88	ug/l	96
16) Acetone	2.35	43	93279	239.46	ug/l	98
17) Carbon Disulfide	1.90	76	103321	45.34	ug/l	99
18) Methyl Acetate	2.46	43	28101	51.88	ug/l #	88
19) Methyl tert-butyl Ether	2.55	73	134107	52.49	ug/l	97
20) Methylene Chloride	2.29	84	43349m	52.91	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	41728	48.25	ug/l	92
22) Diisopropyl ether	2.94	45	142635	49.00	ug/l	95
23) Vinyl Acetate	3.34	43	383001	265.05	ug/l	98
24) 1,1-Dichloroethane	3.02	63	105753	51.41	ug/l	99
25) 2-Butanone	4.53	43	101836	258.51	ug/l	99
26) 2,2-Dichloropropane	3.78	77	65441	48.90	ug/l	91
27) cis-1,2-Dichloroethene	3.65	96	50979	53.35	ug/l	93
28) Bromochloromethane	3.92	49	41171	53.73	ug/l	87
29) Tetrahydrofuran	4.27	42	36980	273.29	ug/l	97
30) Chloroform	4.05	83	148367	52.52	ug/l	94
31) Cyclohexane	3.89	56	49998	48.60	ug/l #	79
32) 1,1,1-Trichloroethane	4.30	97	117473	50.58	ug/l	98
36) 1,1-Dichloropropene	4.48	75	85681	46.34	ug/l	93
37) Ethyl Acetate	4.31	43	38638	48.83	ug/l	85
38) Carbon Tetrachloride	4.19	117	137070	44.52	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	62737	46.67	ug/l	97
40) Benzene	4.83	78	146392	46.77	ug/l	99
41) Methacrylonitrile	4.94	41	19814	50.77	ug/l #	84
42) 1,2-Dichloroethane	5.14	62	124432	50.04	ug/l	94
43) Isopropyl Acetate	7.13	43	43520	50.45	ug/l	92
44) Trichloroethene	5.70	130	57084	47.38	ug/l	99
45) 1,2-Dichloropropane	6.43	63	41405	50.02	ug/l	92
46) Dibromomethane	6.27	93	39011	47.76	ug/l	94
47) Bromodichloromethane	6.57	83	114431	48.55	ug/l	96
48) Methyl methacrylate	6.89	41	32841	51.11	ug/l	90
49) 1,4-Dioxane	6.88	88	4692	965.77	ug/l #	87
51) 4-Methyl-2-Pentanone	8.42	43	211731	253.38	ug/l	97
52) Toluene	7.80	92	111825	48.23	ug/l	92
53) t-1,3-Dichloropropene	8.45	75	93731	48.62	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	92566	49.89	ug/l	94
55) 1,1,2-Trichloroethane	8.66	97	39242	49.53	ug/l	98
56) Ethyl methacrylate	8.78	69	43755	51.41	ug/l	96
57) 1,3-Dichloropropane	9.02	76	70669	48.42	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.80	63	27651	241.50	ug/l	100
59) 2-Hexanone	9.65	43	149954	246.02	ug/l	94
60) Dibromochloromethane	8.88	129	78532	50.09	ug/l	96
61) 1,2-Dibromoethane	9.16	107	51583	52.19	ug/l	98
64) Tetrachloroethene	8.32	164	63147	48.93	ug/l	98
65) Chlorobenzene	9.96	112	155602	48.59	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.09	131	74778	48.32	ug/l	97
67) Ethyl Benzene	10.06	91	275222	48.66	ug/l	97
68) m/p-Xylenes	10.28	106	179914	94.59	ug/l	95
69) o-Xylene	10.85	106	101357	49.07	ug/l	99
70) Styrene	10.91	104	148061	48.45	ug/l	98
71) Bromoform	10.90	173	47778	49.66	ug/l	97
73) Isopropylbenzene	11.24	105	333916	49.97	ug/l	99
74) N-amyl acetate	11.48	43	77498	52.62	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.80	83	56551	50.34	ug/l	97
76) 1,2,3-Trichloropropane	11.90	75	50176	51.81	ug/l	91
77) Bromobenzene	11.61	156	84471	48.17	ug/l	94
78) n-propylbenzene	11.70	91	377056	48.09	ug/l	98
79) 2-Chlorotoluene	11.83	91	235541	47.94	ug/l	98
80) 1,3,5-Trimethylbenzene	11.93	105	298011	47.89	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	23571m	59.55	ug/l	
82) 4-Chlorotoluene	12.00	91	244489	45.10	ug/l	96
83) tert-Butylbenzene	12.23	119	301902	49.25	ug/l	93
84) 1,2,4-Trimethylbenzene	12.30	105	314032	50.07	ug/l	97
85) sec-Butylbenzene	12.40	105	386129	49.44	ug/l	98
86) p-Isopropyltoluene	12.55	119	346778	50.40	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	159800	48.05	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	161314	49.26	ug/l	99
89) n-Butylbenzene	12.94	91	319957	48.28	ug/l	99
90) Hexachloroethane	13.00	117	81056	47.59	ug/l	80
91) 1,2-Dichlorobenzene	13.03	146	155694	48.26	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15173	49.85	ug/l	91

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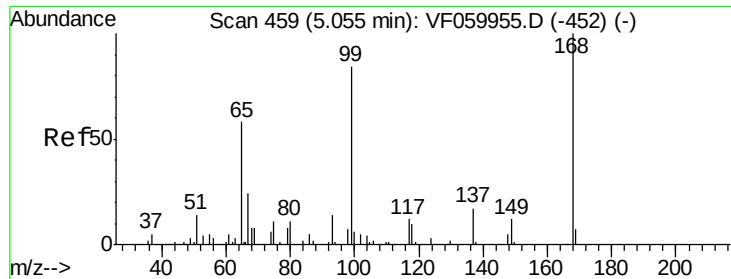
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	128706	49.78	µg/l	93
94) Hexachlorobutadiene	14.27	225	87551	47.36	µg/l	96
95) Naphthalene	14.53	128	218669	51.80	µg/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	125636	50.92	µg/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 112250

Ion Ratio Lower Upper

168 100

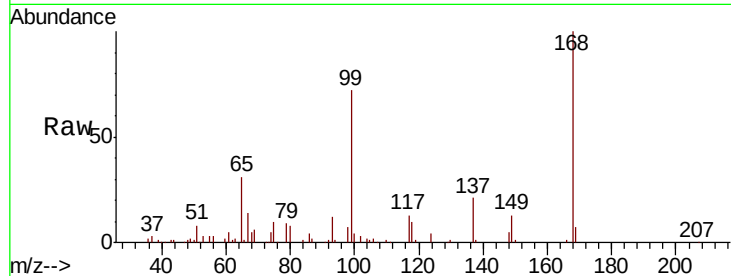
99 72.0 67.4 101.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

40000

30000

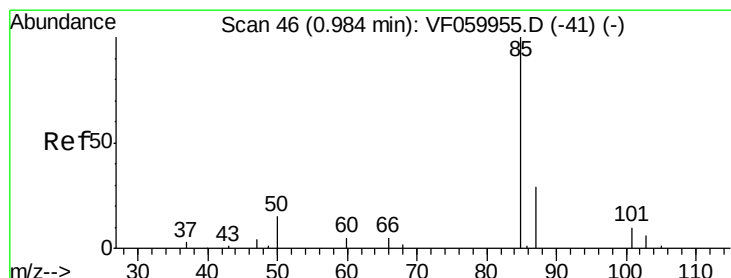
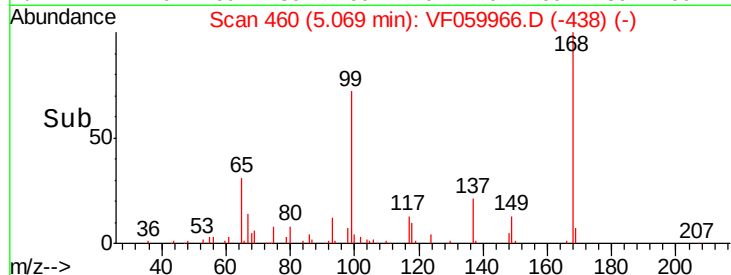
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 45.78 ug/l

RT: 1.00 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059966.D

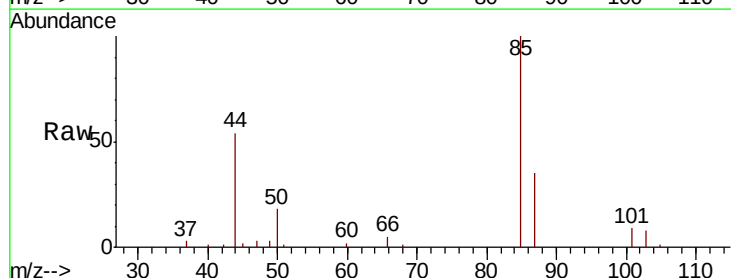
Acq: 15 Aug 2018 2:05

Tgt Ion: 85 Resp: 76159

Ion Ratio Lower Upper

85 100

87 34.5 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

25000

20000

15000

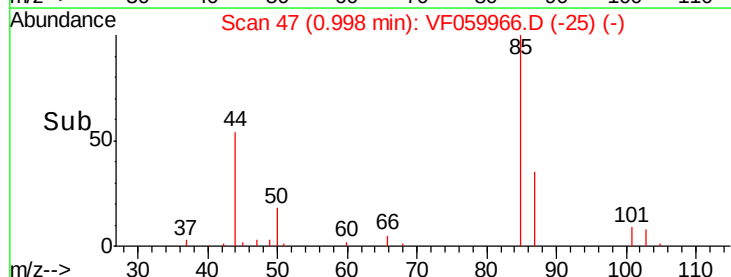
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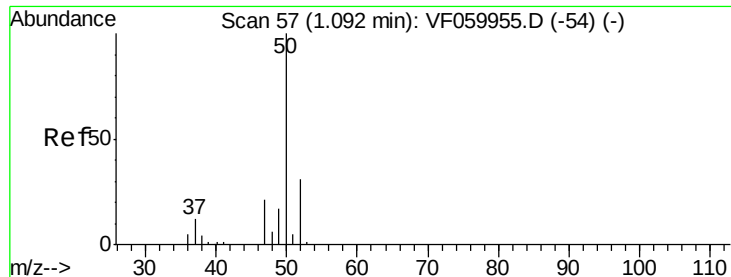
5000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 46.00 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 32603

Ion Ratio Lower Upper

50 100

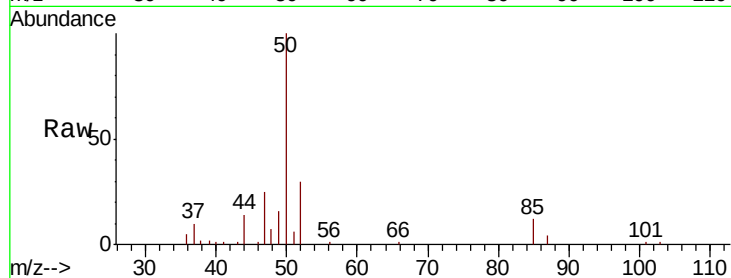
52 29.8 24.2 36.2

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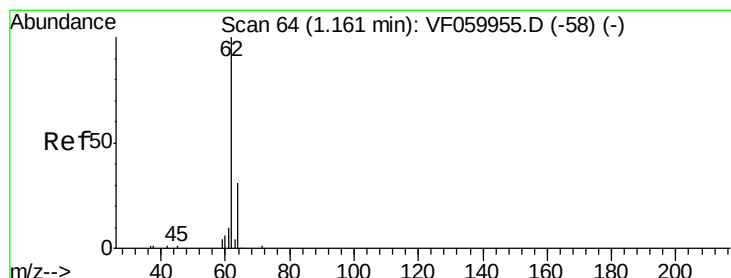
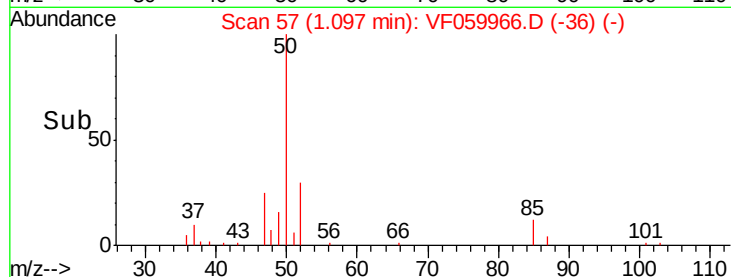
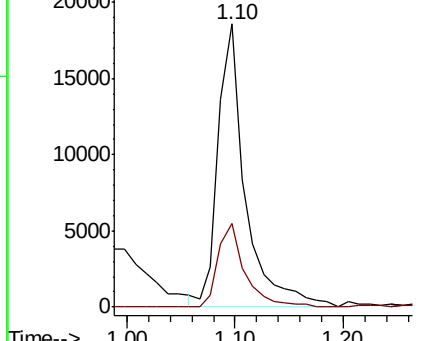
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 45.93 ug/l

RT: 1.17 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059966.D

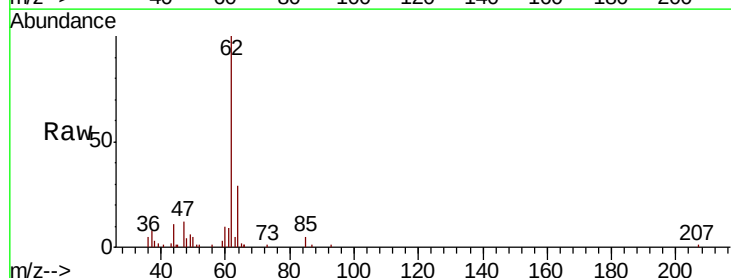
Acq: 15 Aug 2018 2:05

Tgt Ion: 62 Resp: 37390

Ion Ratio Lower Upper

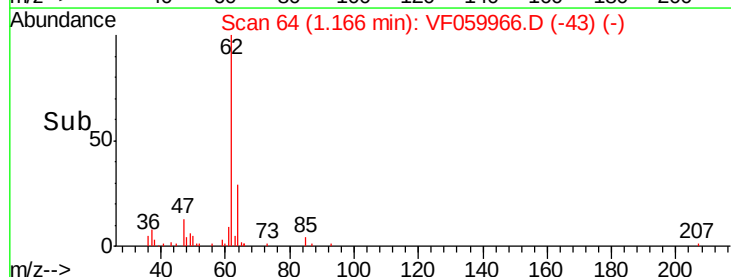
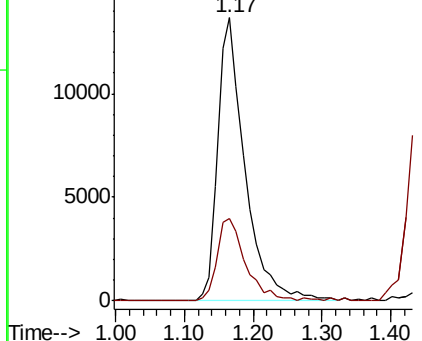
62 100

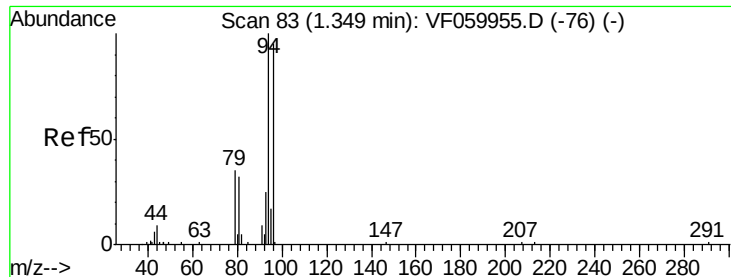
64 29.0 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 47.42 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 34745

Ion Ratio Lower Upper

94 100

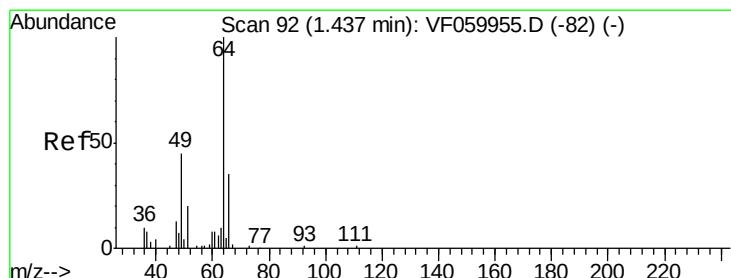
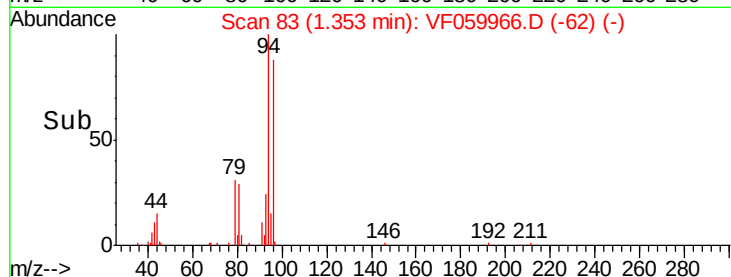
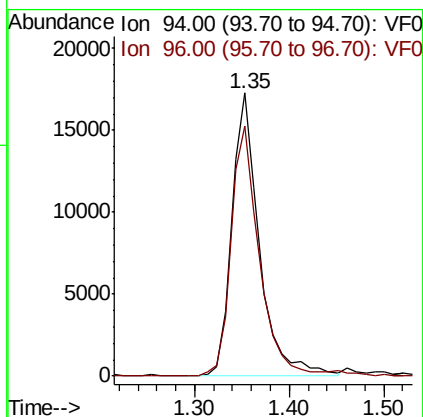
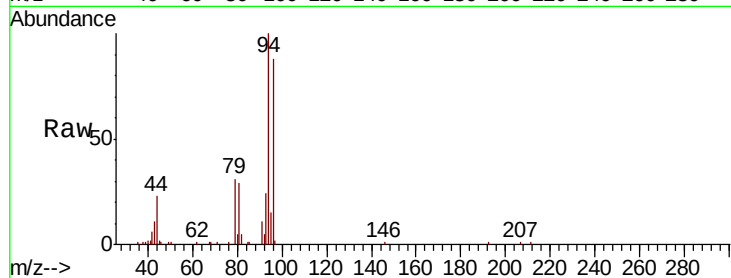
96 88.5 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 45.24 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF059966.D

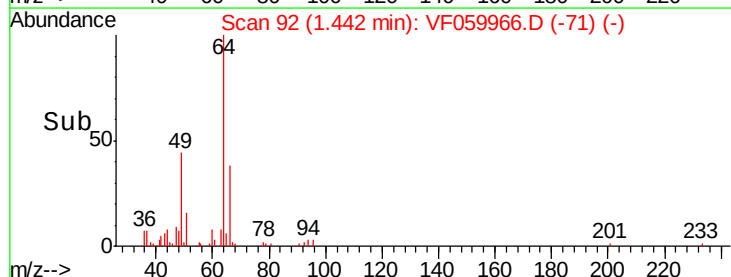
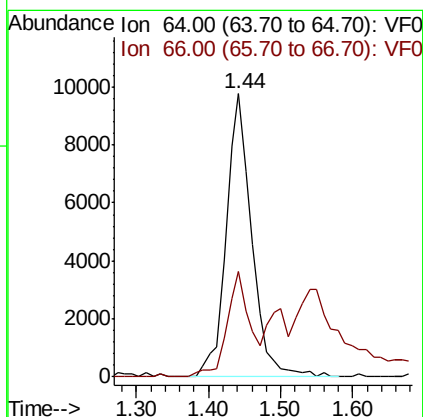
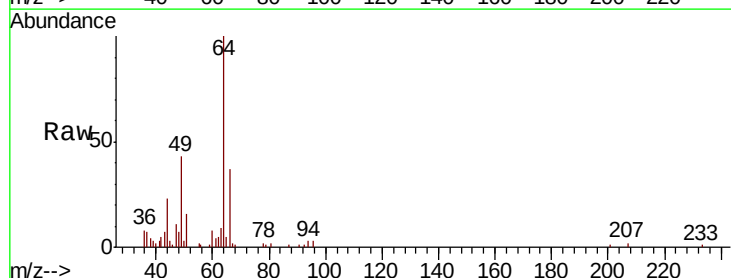
Acq: 15 Aug 2018 2:05

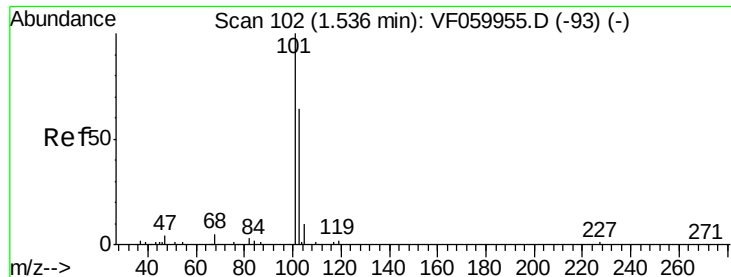
Tgt Ion: 64 Resp: 23910

Ion Ratio Lower Upper

64 100

66 37.4 28.2 42.2





#7

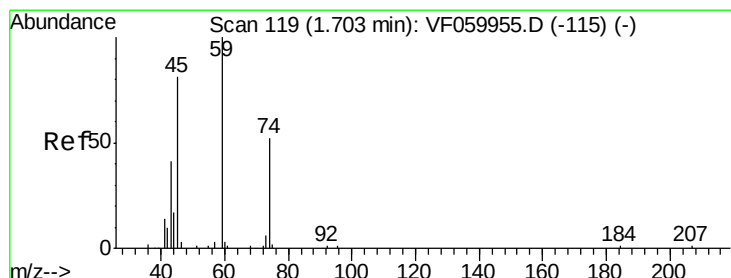
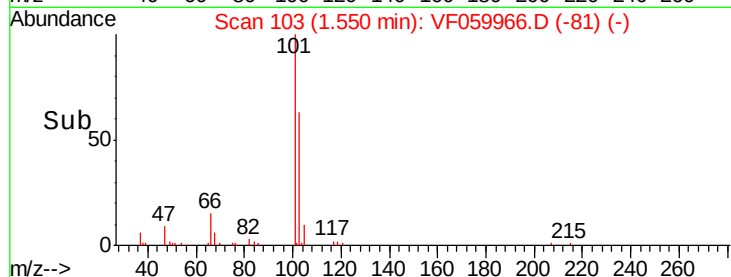
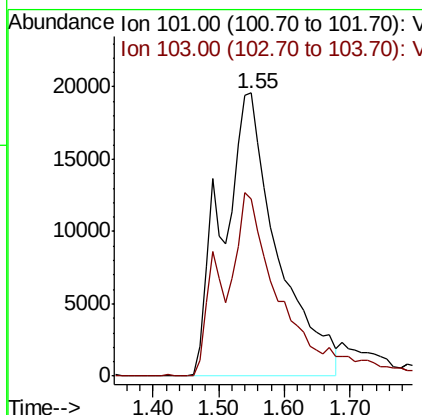
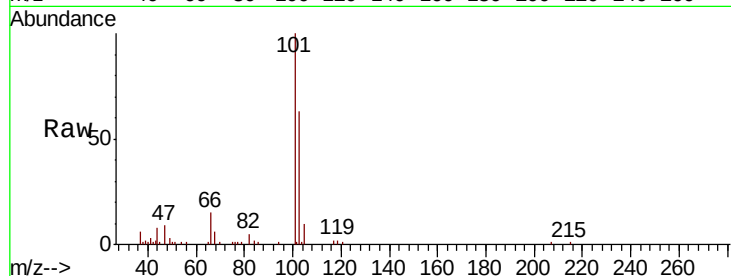
Trichlorofluoromethane
 Concen: 47.98 ug/l m
 RT: 1.55 min Scan# 103
 Delta R.T. 0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.6	77.4

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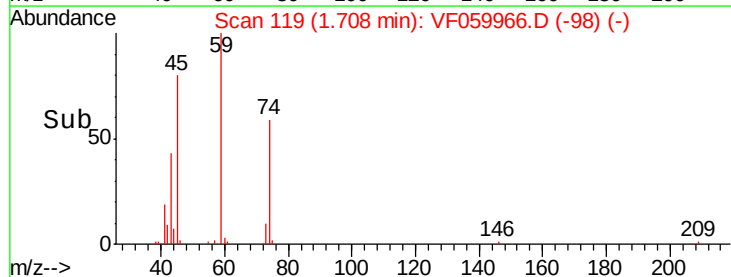
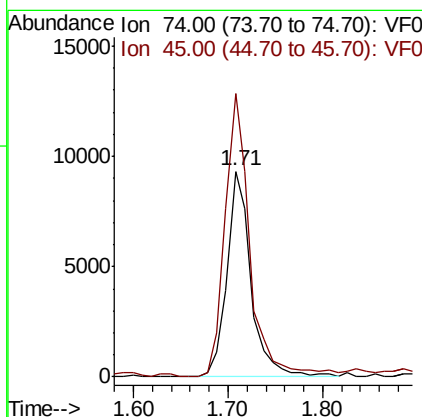
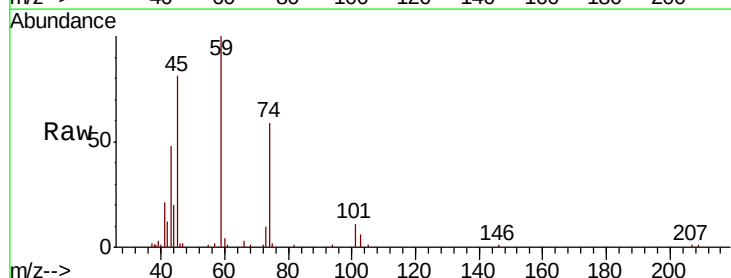
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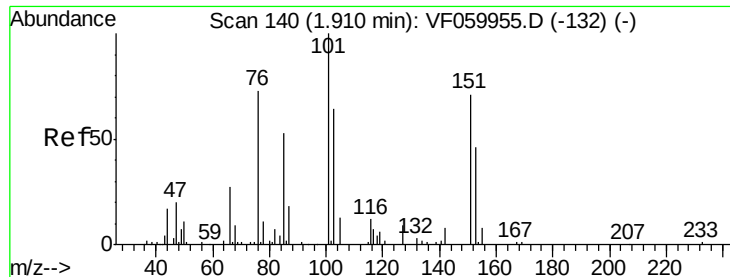


#8

Diethyl Ether
 Concen: 50.28 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	137.7	77.5	232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.52 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059966.D

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MSVOA_F

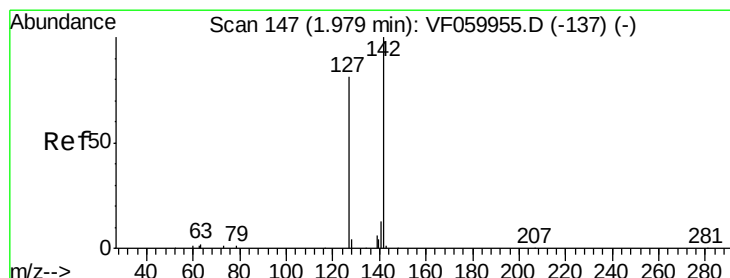
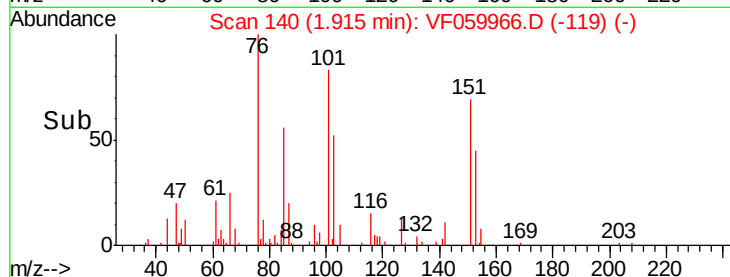
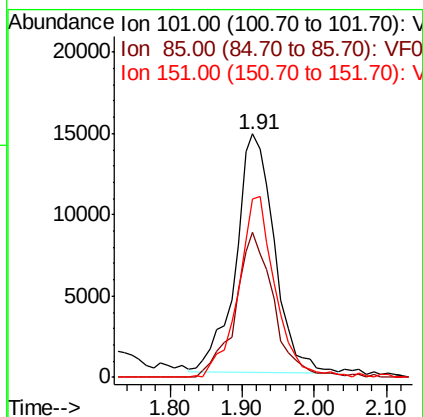
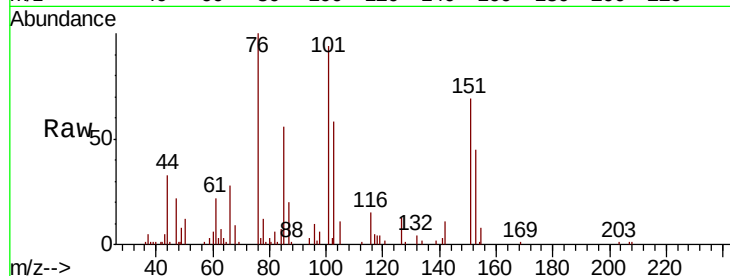
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	54648
Ion Ratio	Lower	Upper	
101	100		
85	59.6	42.1	63.1
151	73.4	55.4	83.0

Manual Integrations
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#10

Methyl Iodide

Concen: 48.08 ug/l

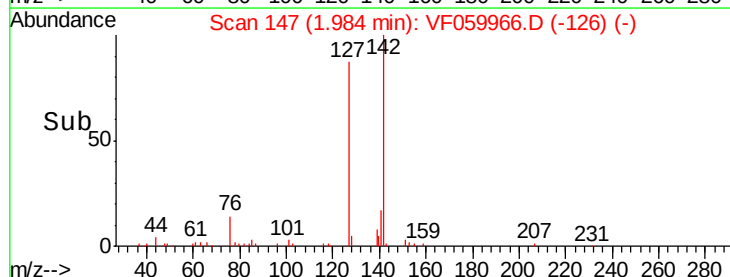
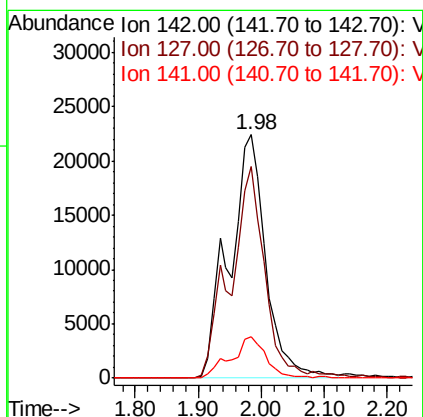
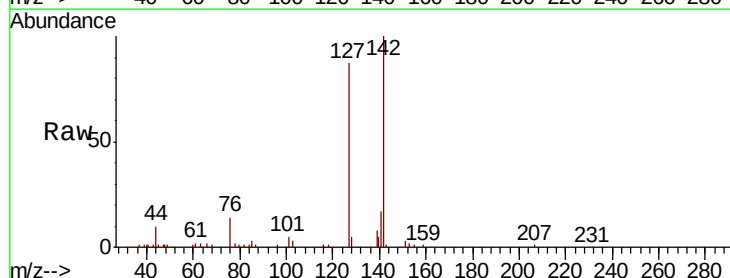
RT: 1.98 min Scan# 147

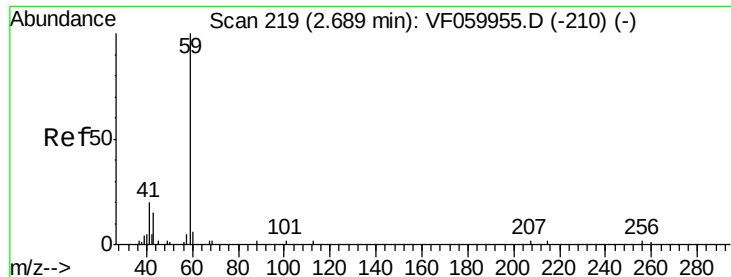
Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion:	142	Resp:	90084
Ion Ratio	Lower	Upper	
142	100		
127	86.7	64.5	96.7
141	16.9	10.8	16.2#





#11

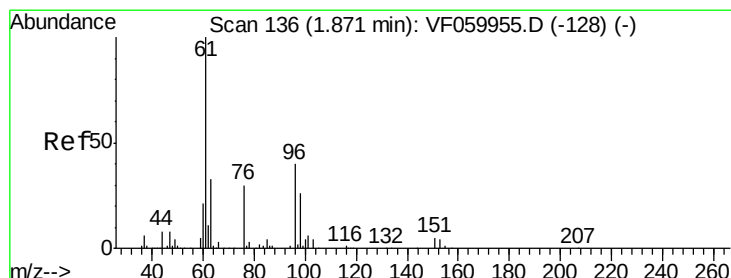
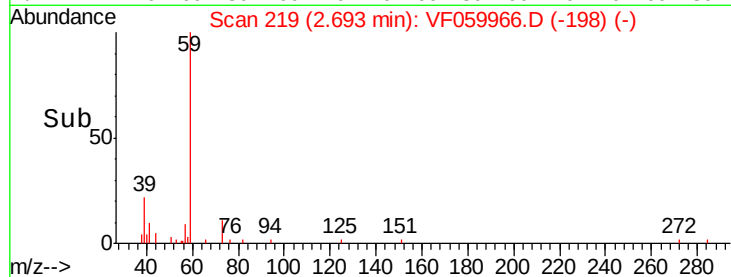
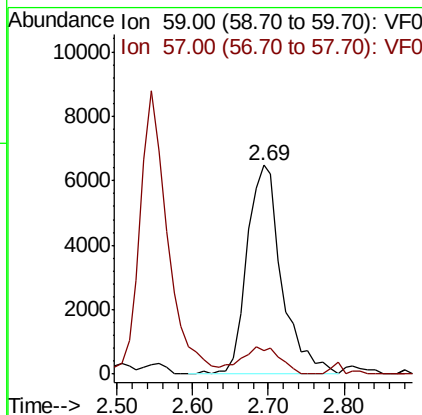
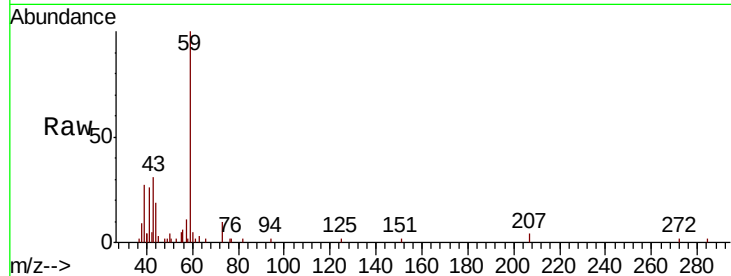
Tert butyl alcohol
Concen: 265.38 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	12.0	18.0#

Manual Integrations
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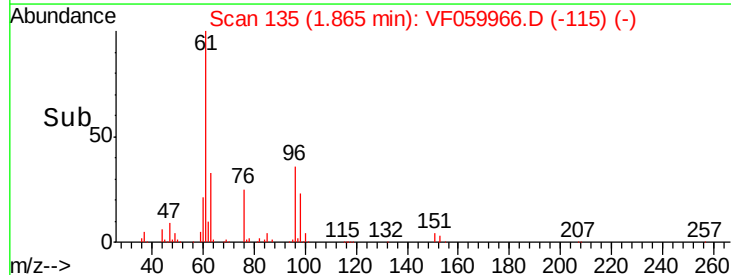
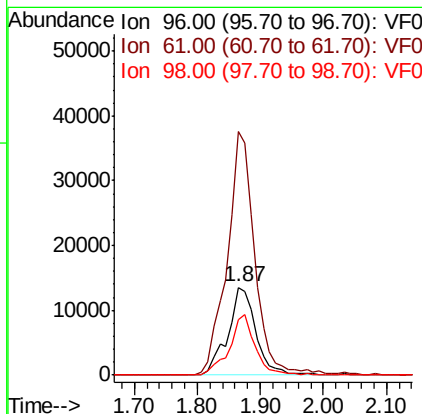
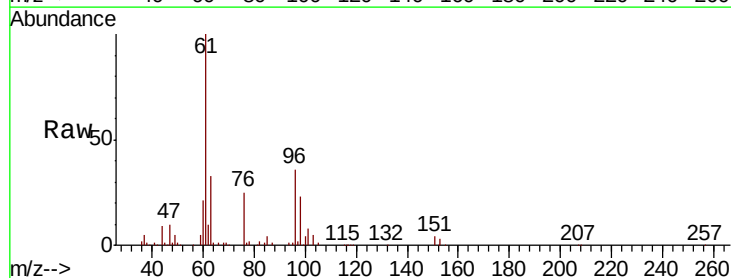
apatel
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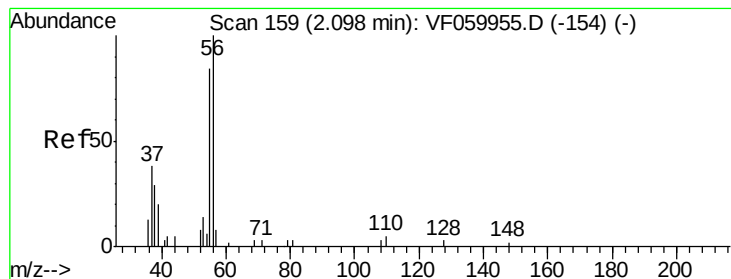


#12

1,1-Dichloroethene
Concen: 47.31 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	277.4	201.0	301.4
98	63.6	51.9	77.9





#13

Acrolein

Concen: 254.08 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 11823

Ion Ratio Lower Upper

56 100

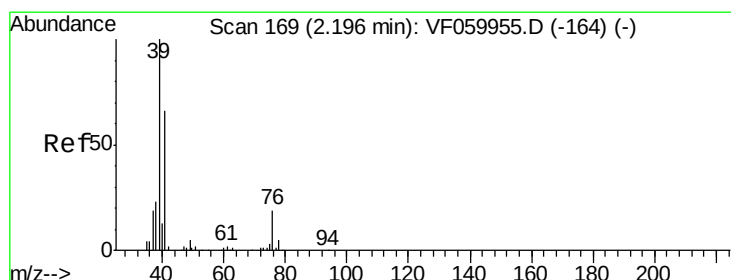
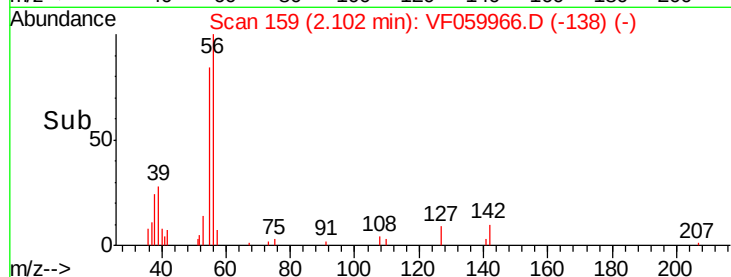
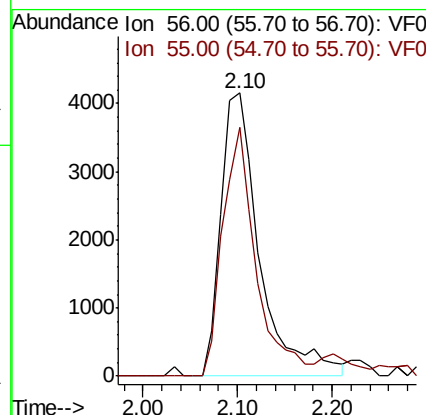
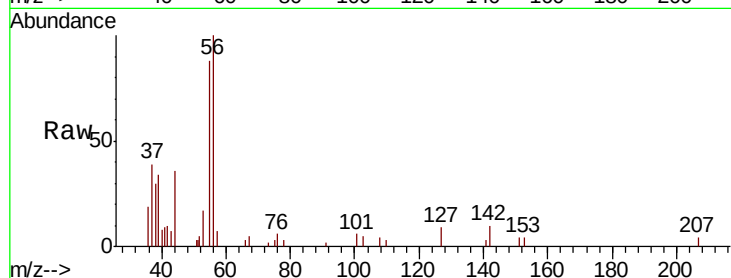
55 87.8 67.4 101.2

Manual Integrations

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#14

Allyl chloride

Concen: 48.72 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

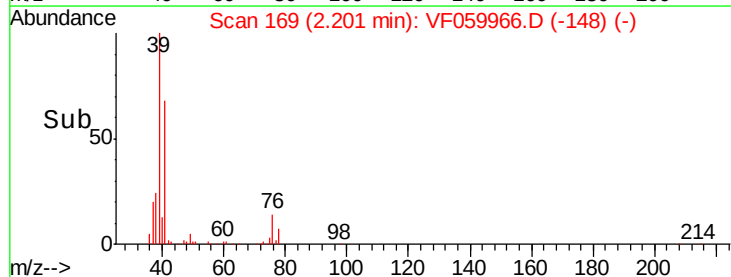
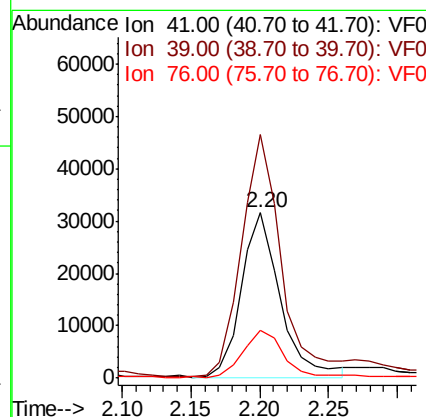
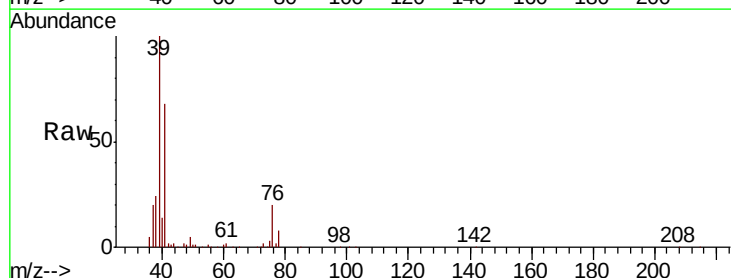
Tgt Ion: 41 Resp: 61676

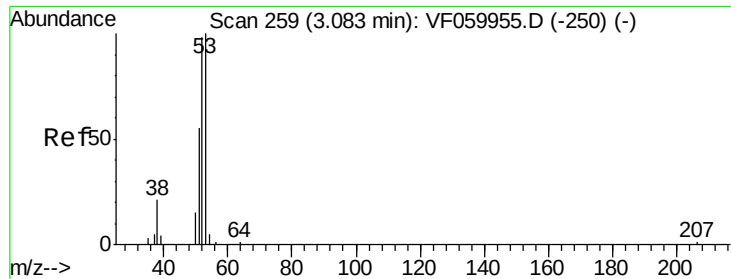
Ion Ratio Lower Upper

41 100

39 147.2 121.0 181.4

76 29.1 23.6 35.4





#15

Acrylonitrile

Concen: 264.88 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

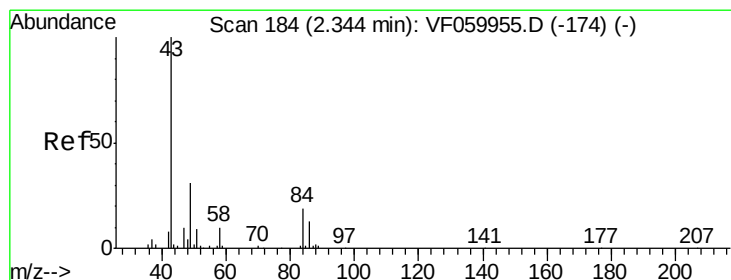
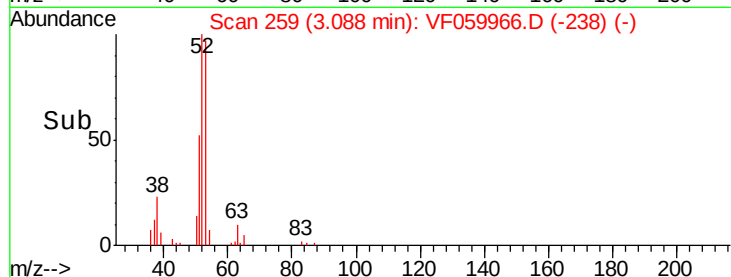
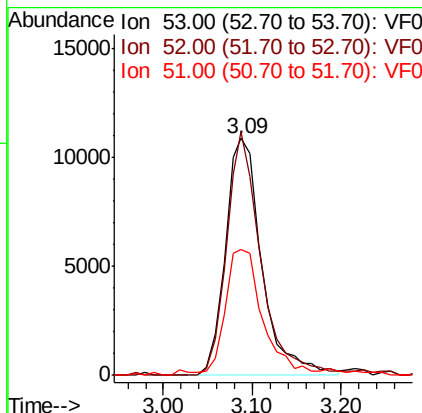
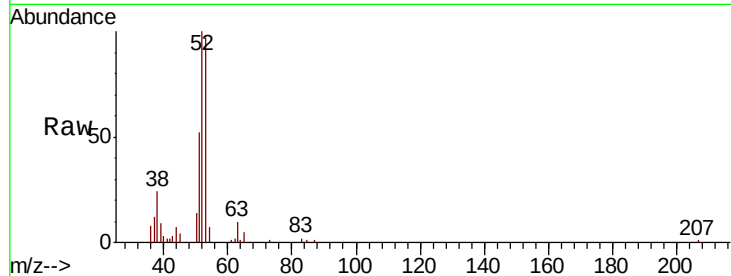
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	31308
Ion	Ratio	Lower	Upper
53	100		
52	102.8	78.1	117.1
51	53.4	44.2	66.4

Manual Integrations
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#16

Acetone

Concen: 239.46 ug/l

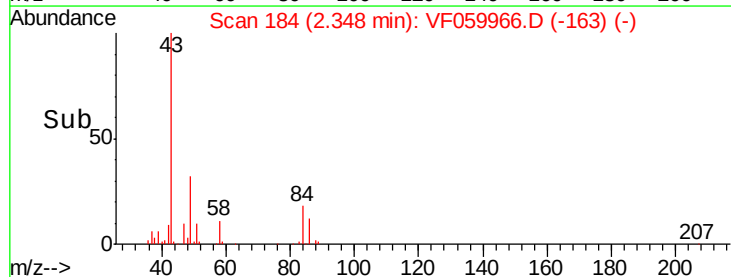
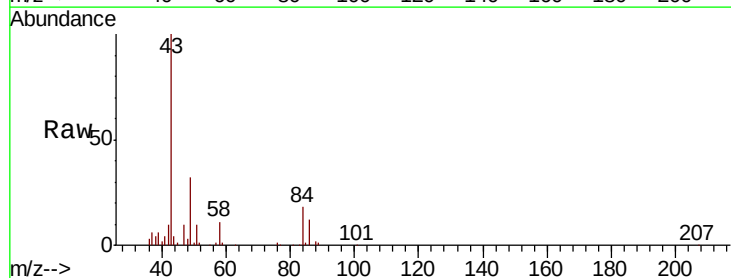
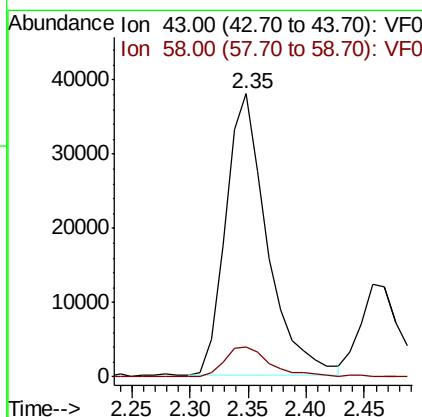
RT: 2.35 min Scan# 184

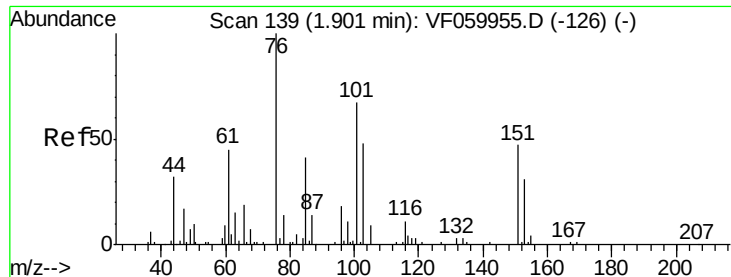
Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion:	43	Resp:	93279
Ion	Ratio	Lower	Upper
43	100		
58	10.7	8.1	12.1





#17

Carbon Disulfide

Concen: 45.34 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tot Ion: 76 Resp: 103321

Ion Ratio Lower Upper

76 100

78 13.6 11.4 17.0

Instrument :

MSVOA_F

ClientSampleId :

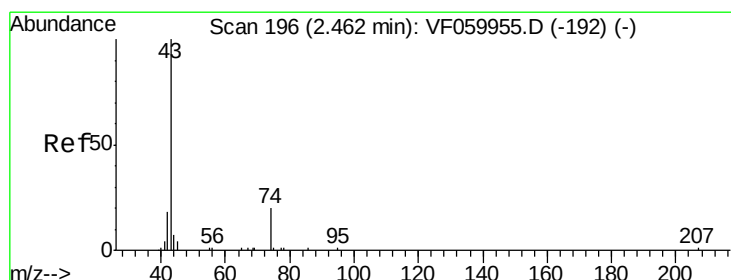
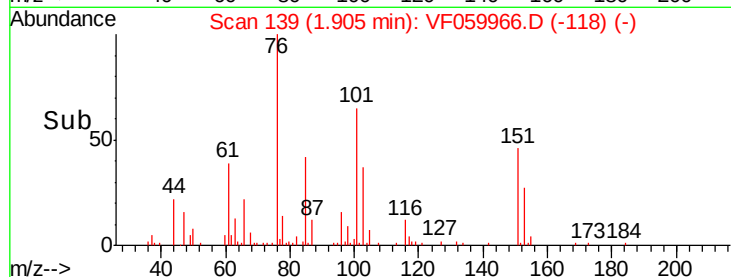
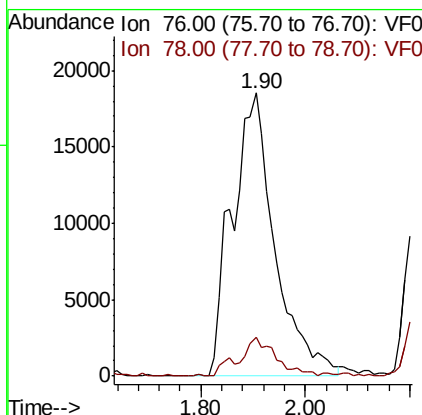
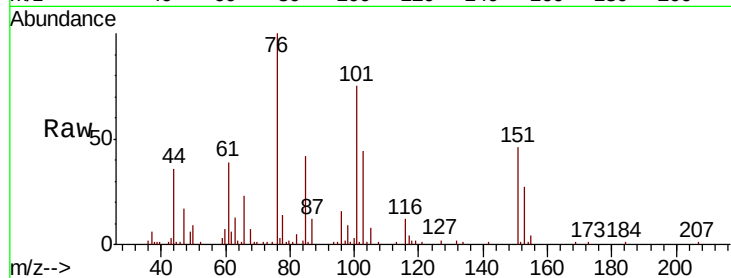
VSTDCCC050EC

Manual Integrations

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#18

Methyl Acetate

Concen: 51.88 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF059966.D

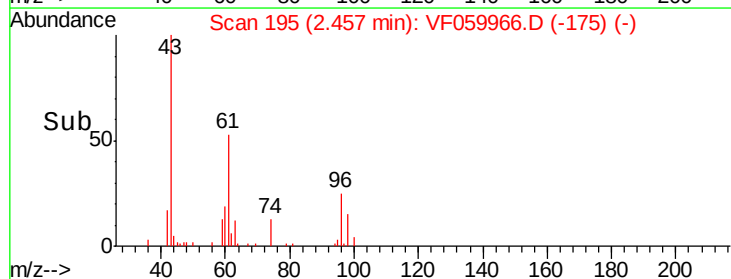
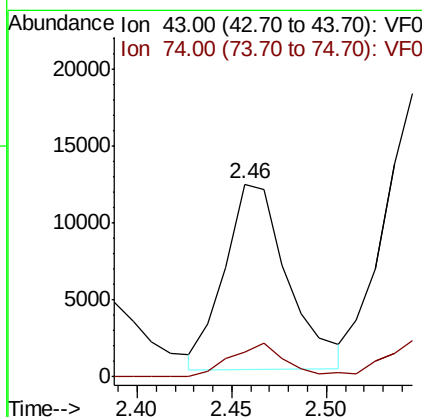
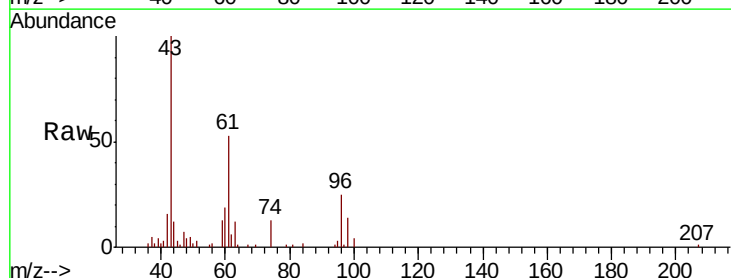
Acq: 15 Aug 2018 2:05

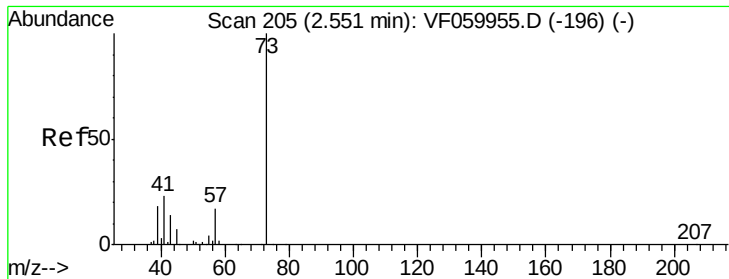
Tgt Ion: 43 Resp: 28101

Ion Ratio Lower Upper

43 100

74 12.7 14.3 21.5#





#19

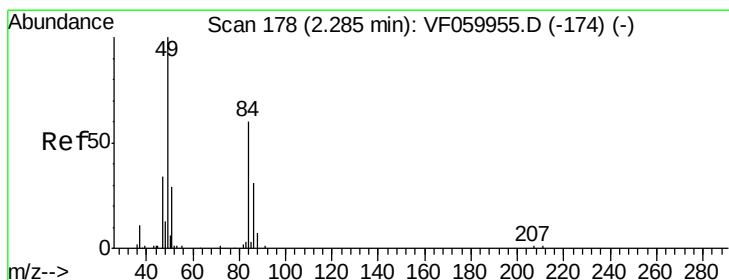
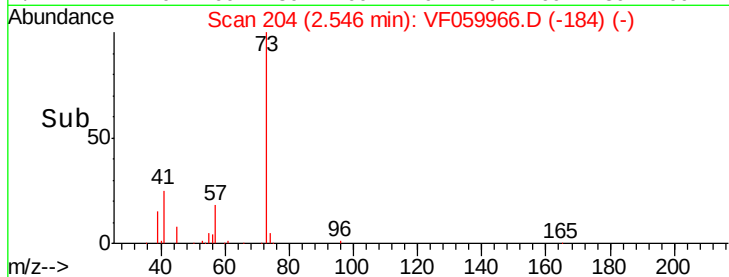
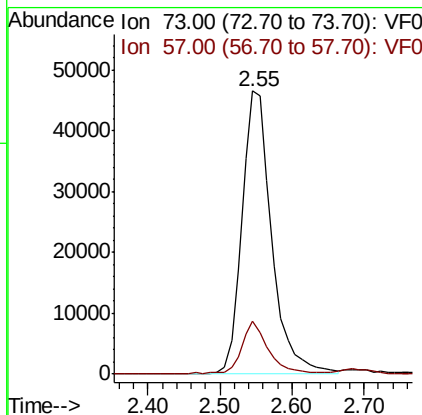
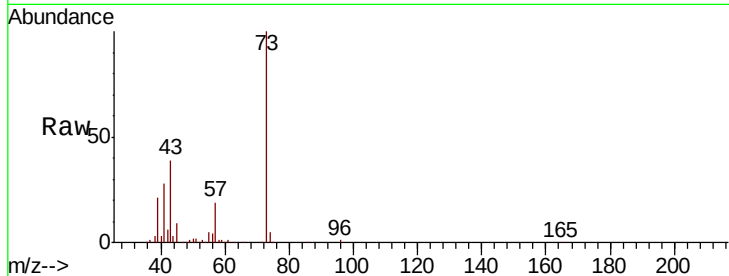
Methyl tert-butyl Ether
 Concen: 52.49 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	73	Resp	134107
Ion Ratio	Lower	Upper	
73	100		
57	18.9	14.0	21.0

Manual Integrations
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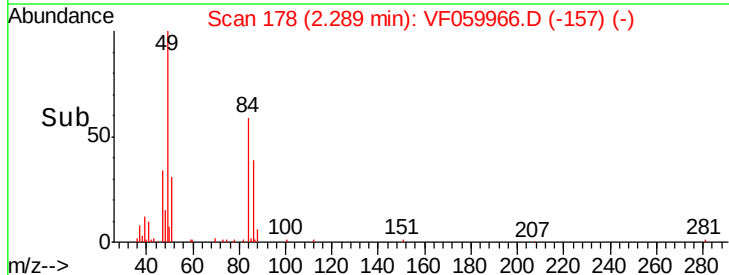
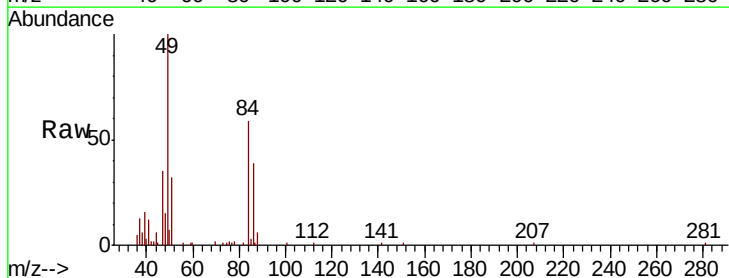
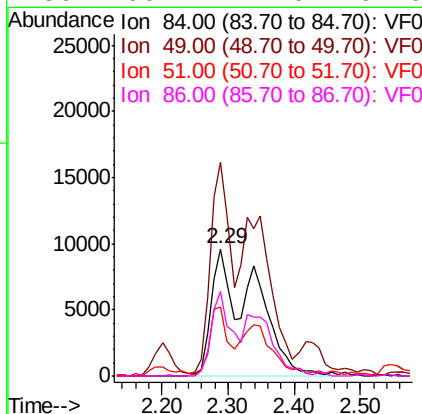
apatel
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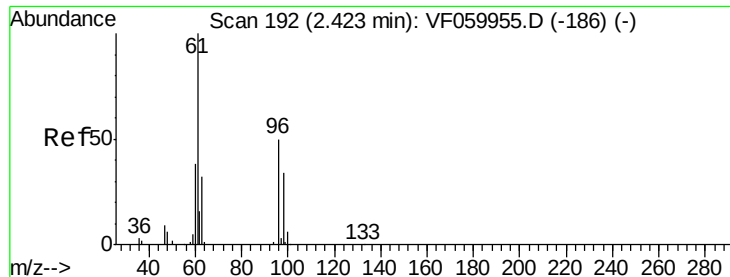


#20

Methylene Chloride
 Concen: 52.91 ug/l m
 RT: 2.29 min Scan# 178
 Delta R.T. 0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion	84	Resp	43349
Ion Ratio	Lower	Upper	
84	100		
49	168.5	134.8	202.2
51	54.4	39.8	59.6
86	66.2	41.0	61.6#





#21

trans-1,2-Dichloroethene

Concen: 48.25 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

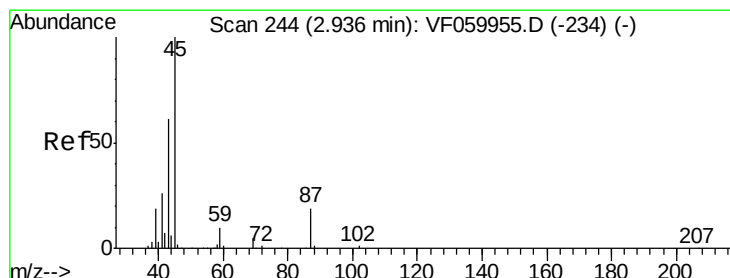
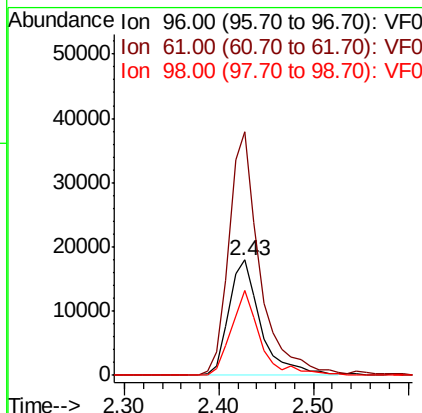
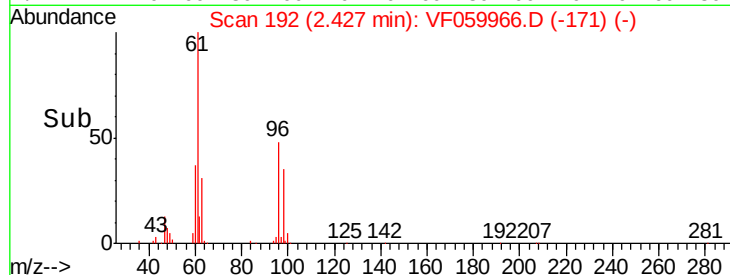
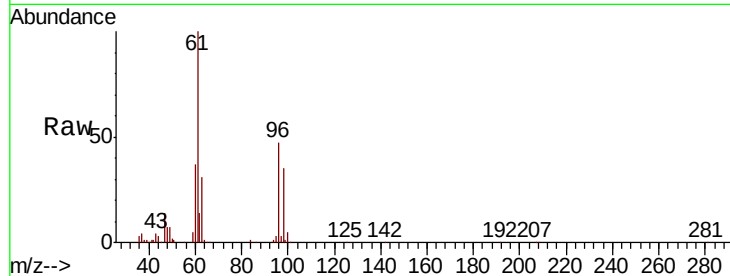
ClientSampleID :

VSTDCCC050EC

Tot Ion:	96	Resp:	41728
Ion	Ratio	Lower	Upper
96	100		
61	211.6	159.5	239.3
98	73.3	53.8	80.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.00 ug/l

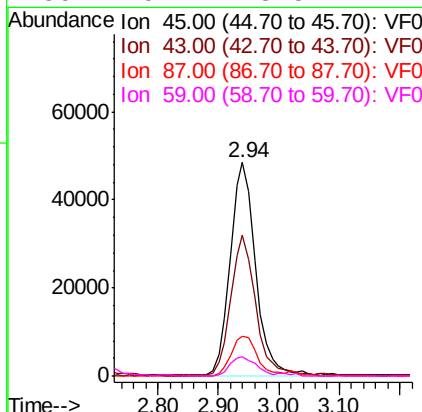
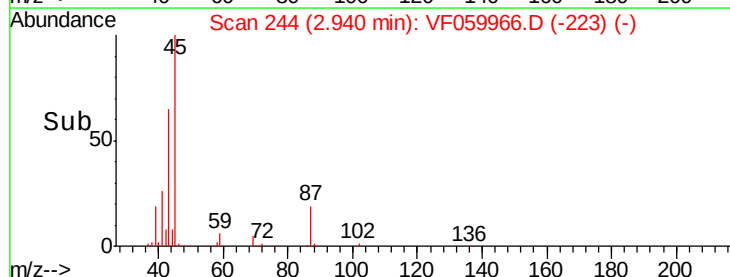
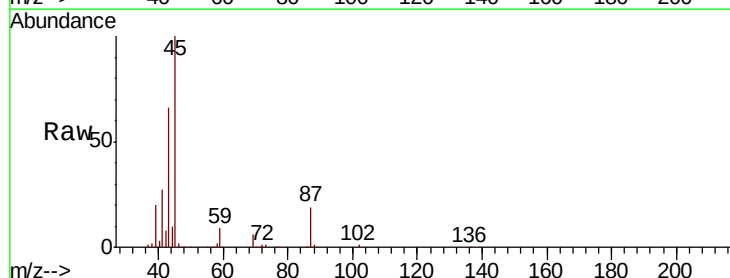
RT: 2.94 min Scan# 244

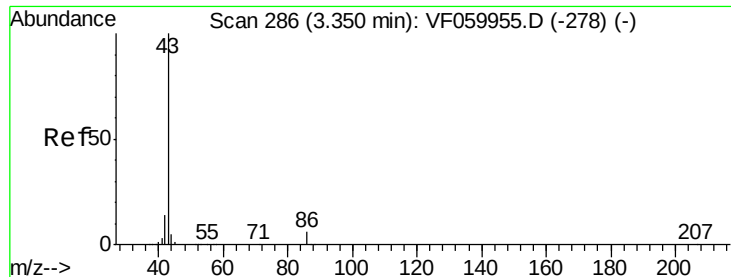
Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion:	45	Resp:	142635
Ion	Ratio	Lower	Upper
45	100		
43	65.9	48.7	73.1
87	18.8	15.3	22.9
59	9.1	8.5	12.7





#23

Vinyl Acetate

Concen: 265.05 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tot Ion: 43 Resp: 383001

Ion Ratio Lower Upper

43 100

86 5.5 4.9 7.3

Instrument :

MSVOA_F

ClientSampleId :

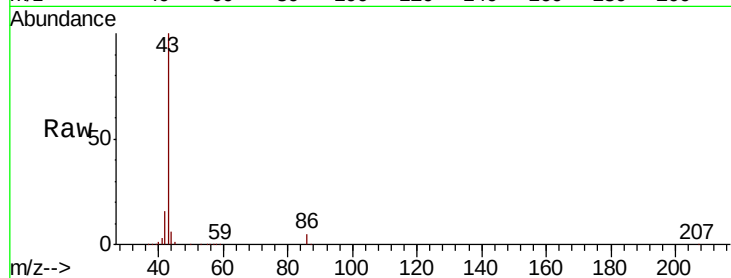
VSTDCCC050EC

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

150000

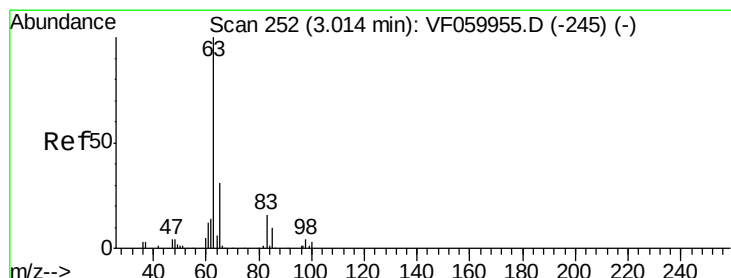
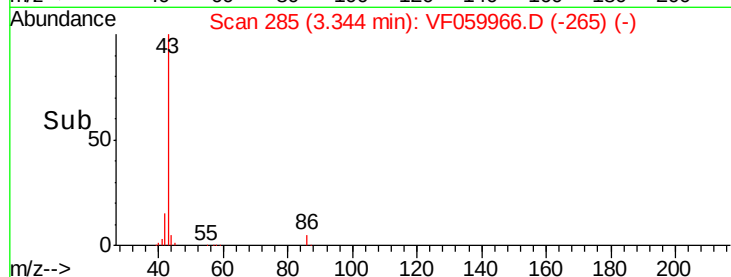
100000

50000

0

3.20 3.40 3.60

Time-->



#24

1,1-Dichloroethane

Concen: 51.41 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

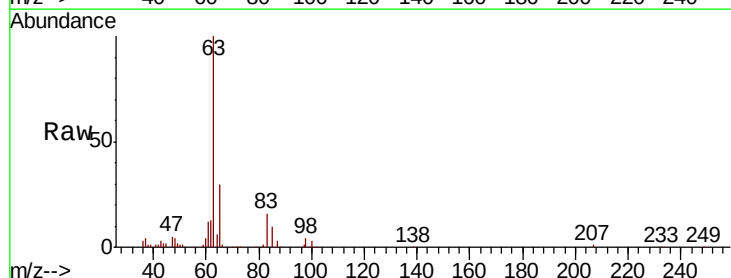
Tgt Ion: 63 Resp: 105753

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.2

100 2.6 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

50000

40000

30000

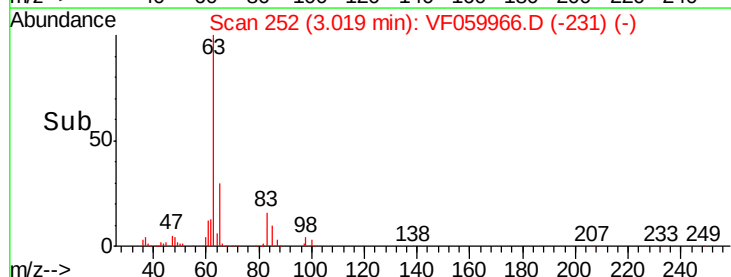
20000

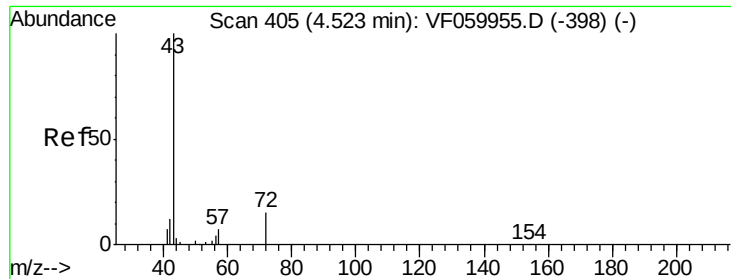
10000

0

2.90 3.00 3.10 3.20

Time-->





#25

2-Butanone

Concen: 258.51 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tot Ion: 43 Resp: 101836

Ion Ratio Lower Upper

43 100

72 18.1 14.6 22.0

Instrument :

MSVOA_F

ClientSampleId :

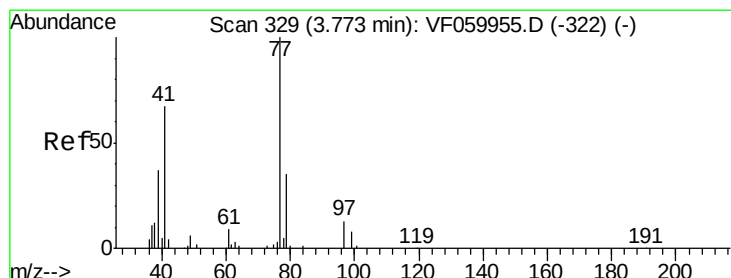
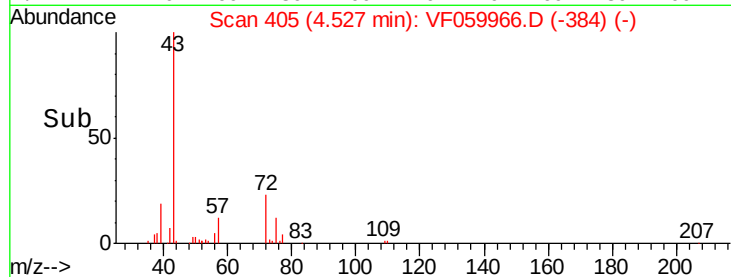
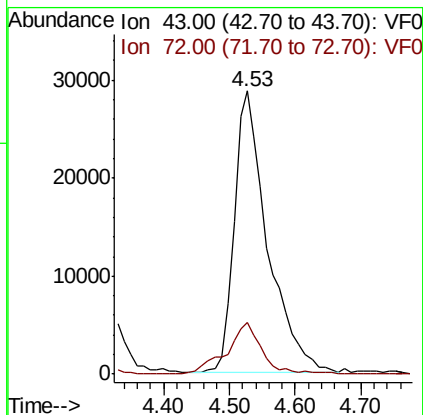
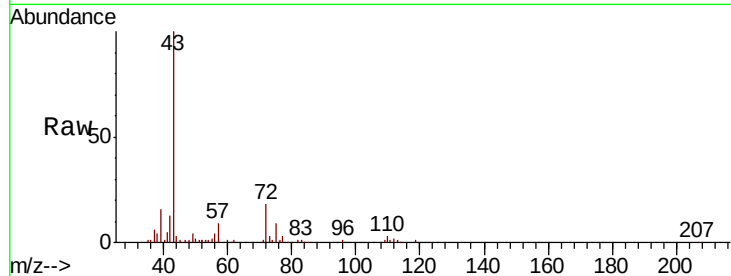
VSTDCCC050EC

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.90 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059966.D

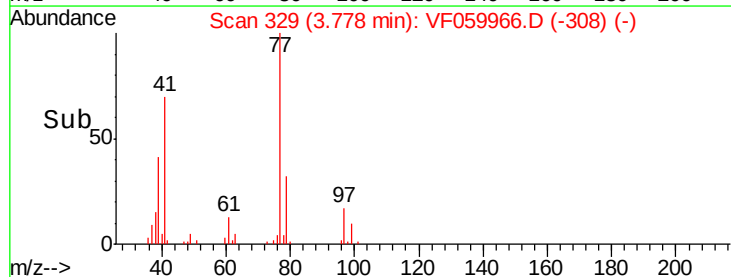
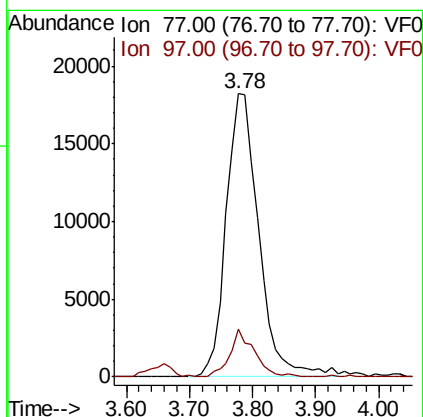
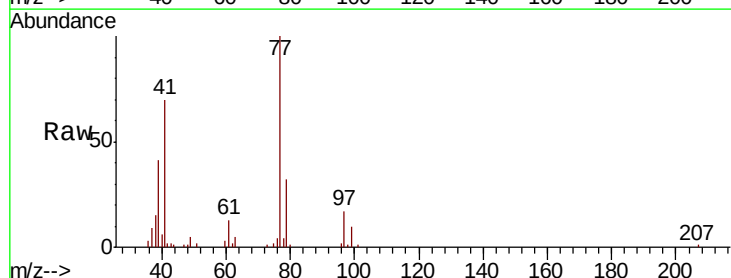
Acq: 15 Aug 2018 2:05

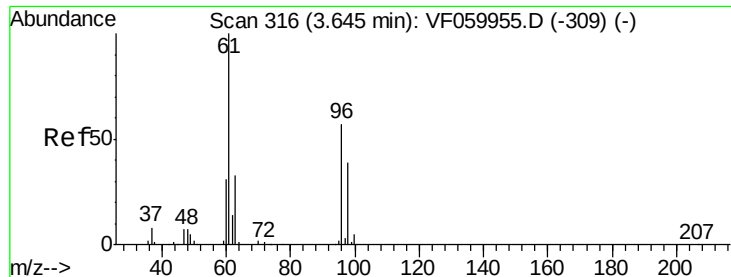
Tgt Ion: 77 Resp: 65441

Ion Ratio Lower Upper

77 100

97 16.7 6.6 19.7





#27

cis-1,2-Dichloroethene

Concen: 53.35 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

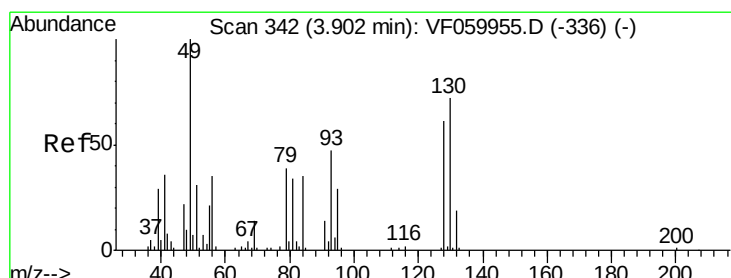
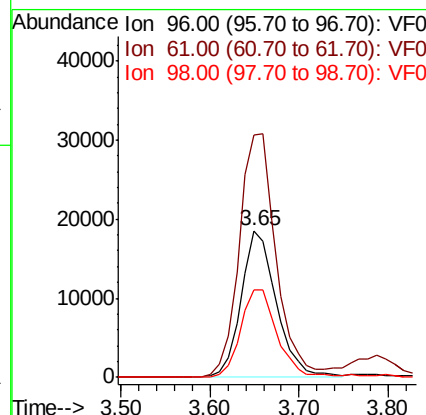
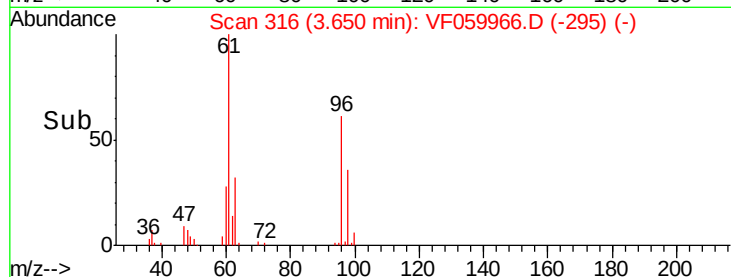
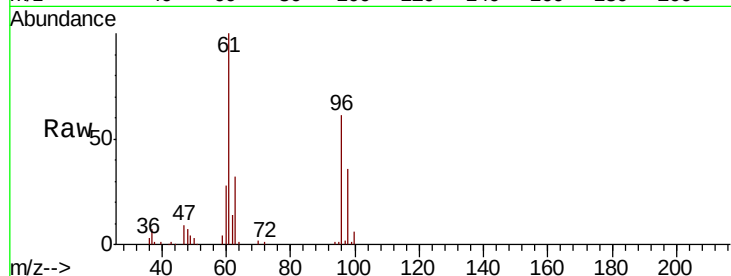
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	50979
Ion Ratio	Lower	Upper	
96	100		
61	165.2	0.0	349.4
98	59.9	0.0	134.6

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#28

Bromochloromethane

Concen: 53.73 ug/l

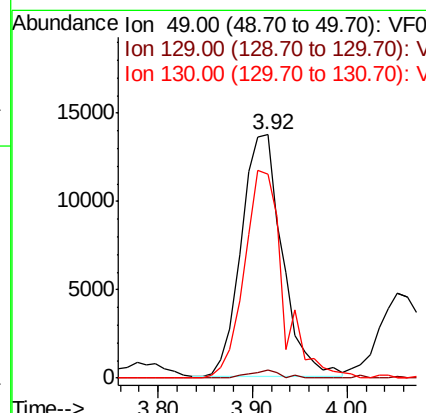
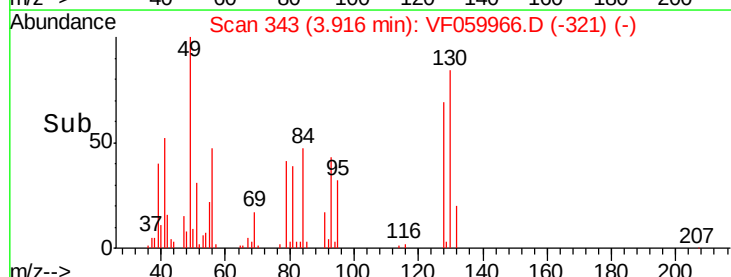
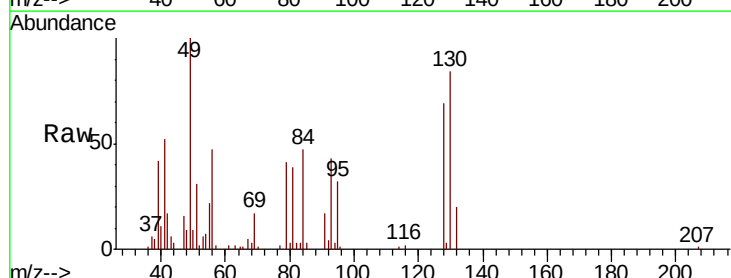
RT: 3.92 min Scan# 343

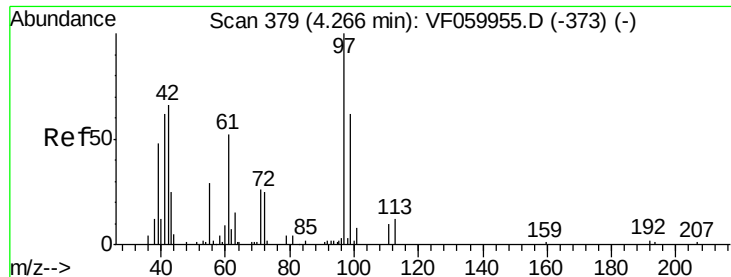
Delta R.T. 0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion:	49	Resp:	41171
Ion Ratio	Lower	Upper	
49	100		
129	3.2	0.0	4.2
130	83.9	58.1	87.1





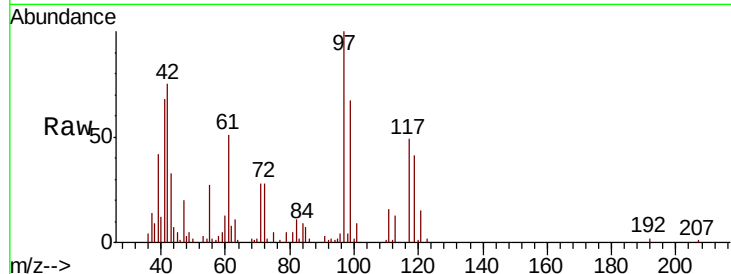
#29
Tetrahydrofuran
Concen: 273.29 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

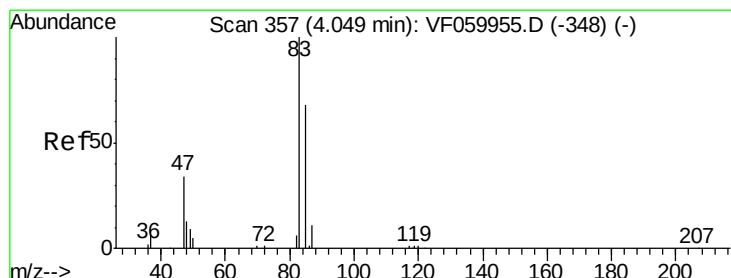
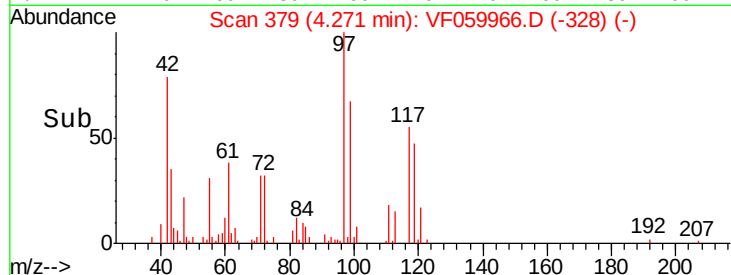
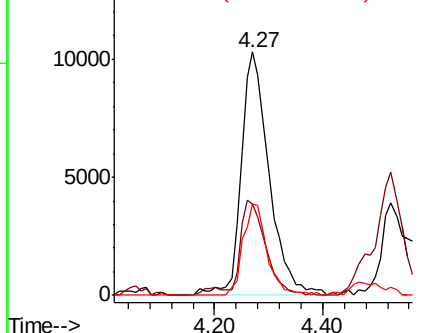
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	27.7	41.5
71	32.4	28.2	42.4

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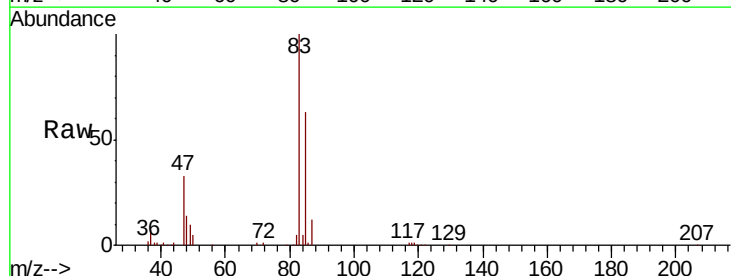


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

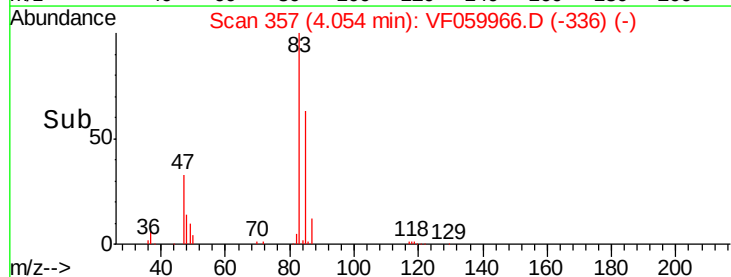
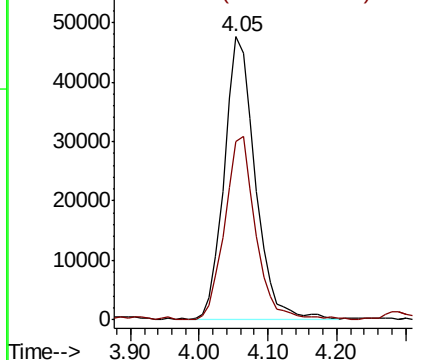


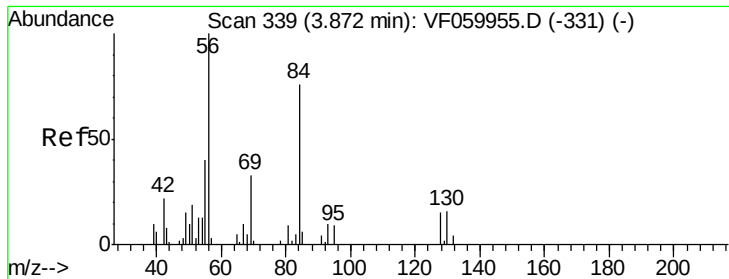
#30
Chloroform
Concen: 52.52 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	54.4	81.6



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





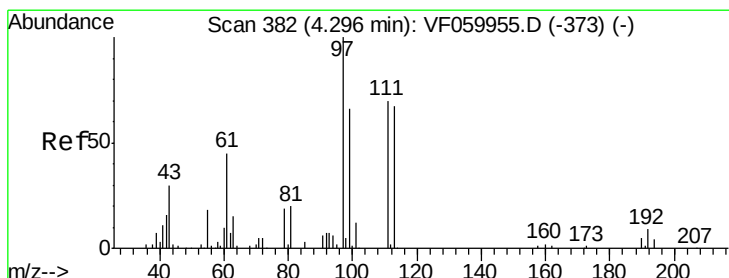
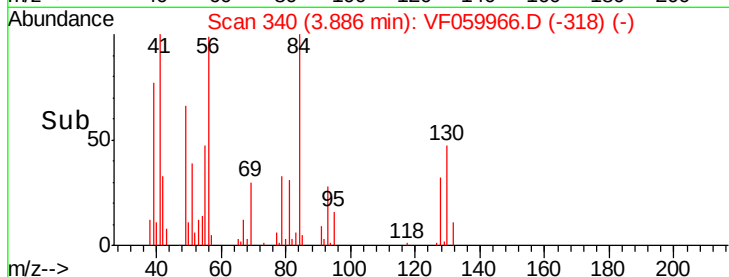
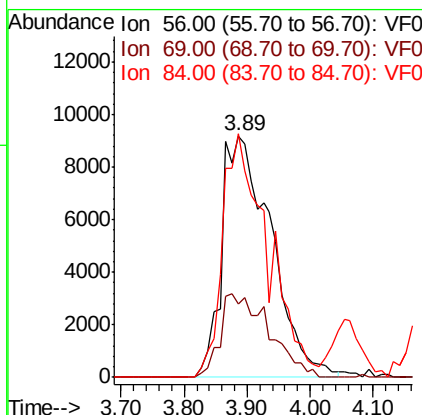
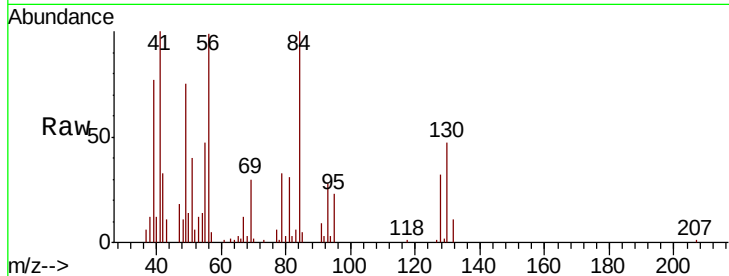
#31
Cyclohexane
Concen: 48.60 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	26.2	39.2
84	101.0	61.0	91.4

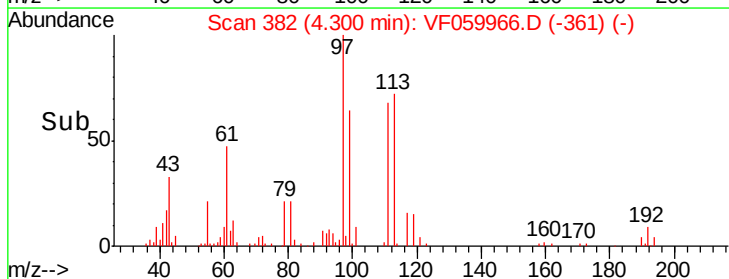
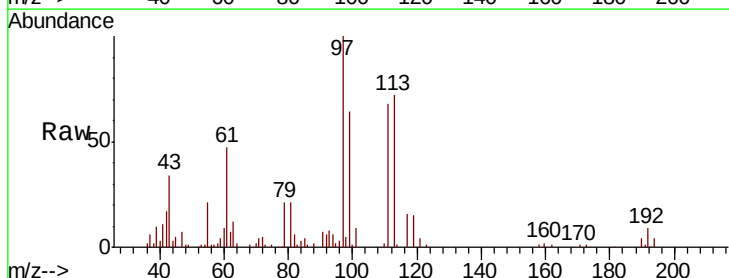
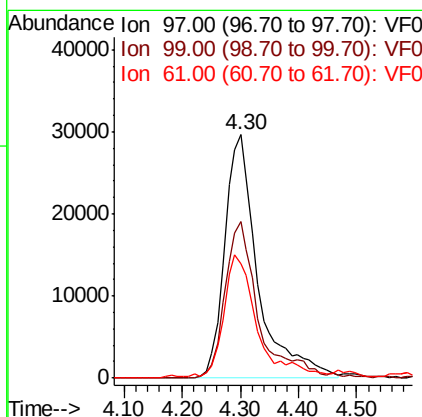
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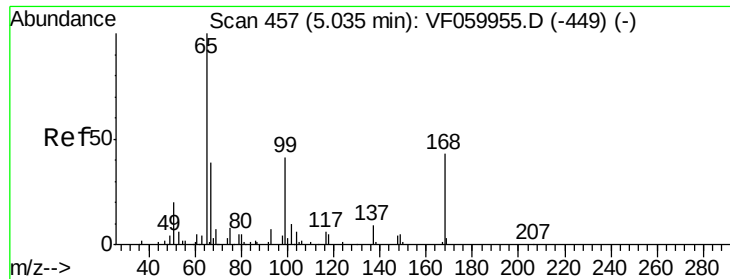
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#32
1,1,1-Trichloroethane
Concen: 50.58 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	53.0	79.4
61	47.0	36.6	55.0





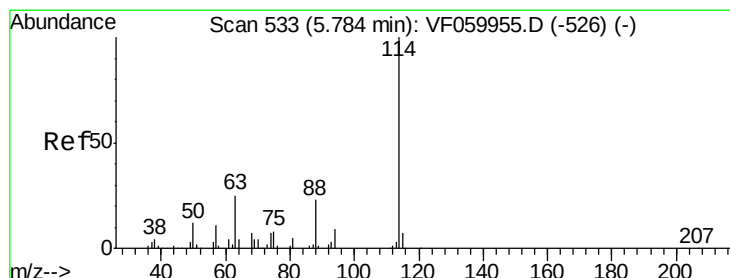
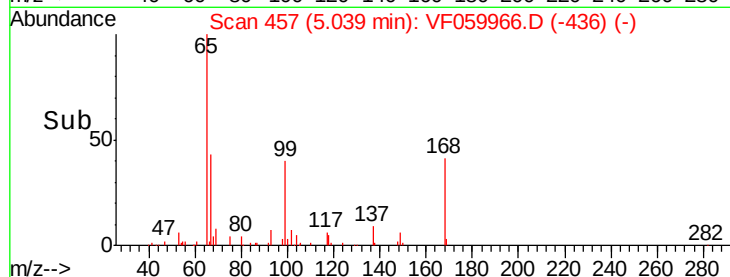
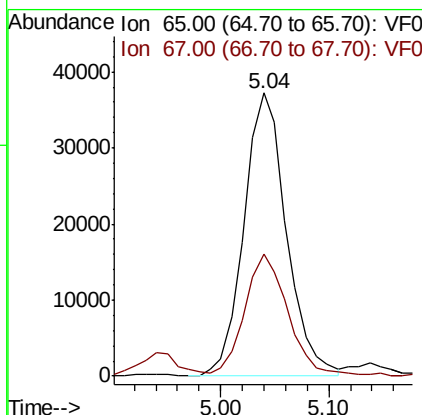
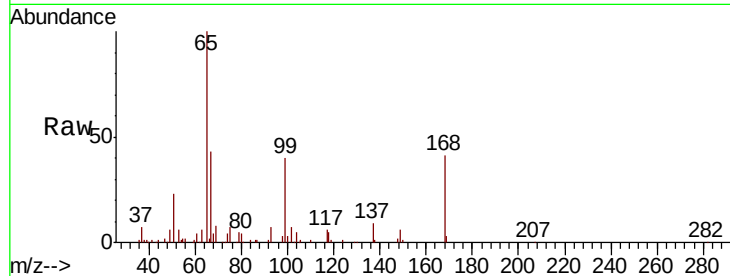
#33
 1,2-Dichloroethane-d4
 Concen: 52.11 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	102270		
67	43.2	0.0	87.4	

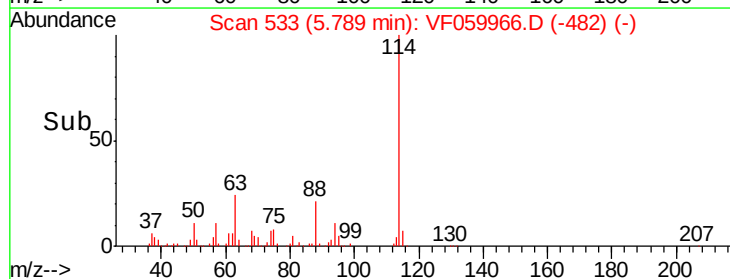
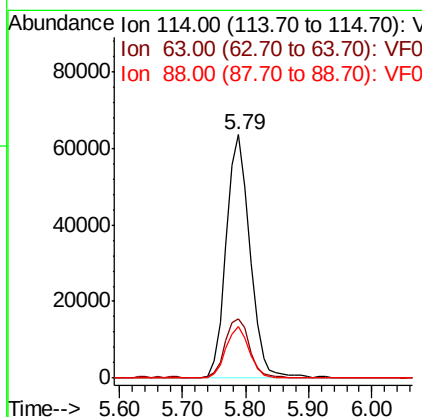
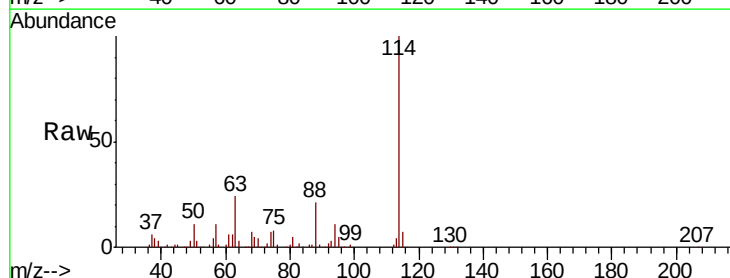
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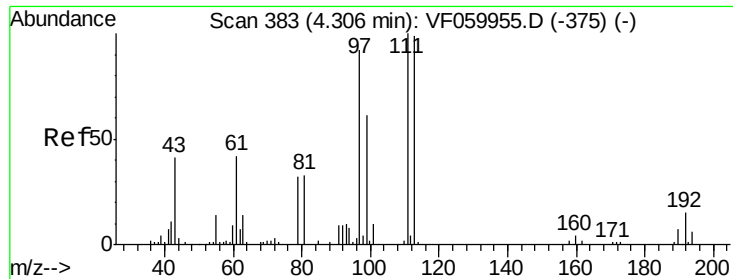
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	166456		
63	24.1	0.0	50.2	
88	21.2	0.0	46.8	





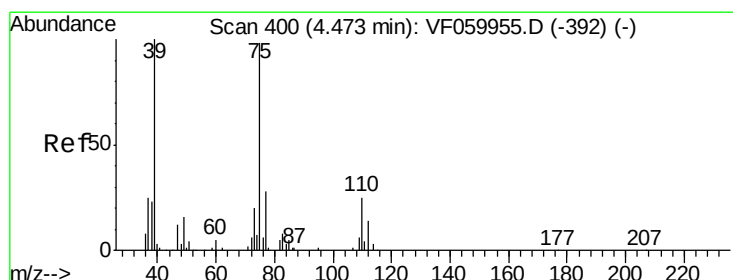
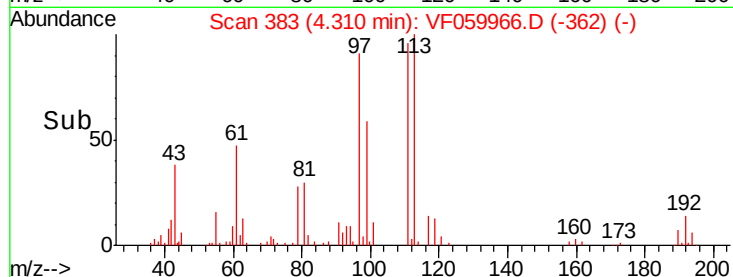
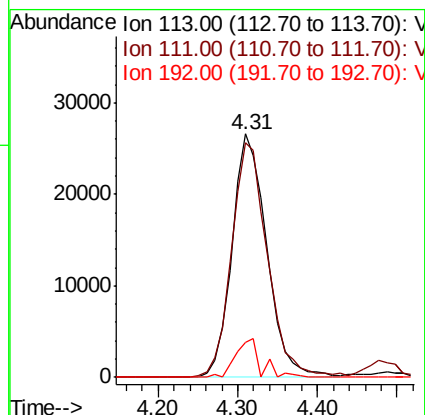
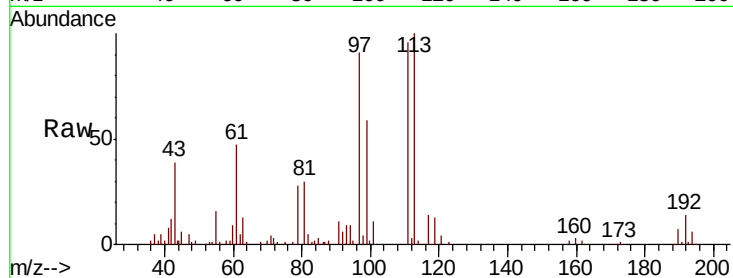
#35
Dibromofluoromethane
Concen: 48.40 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.4	80.6	121.0
192	14.2	11.7	17.5

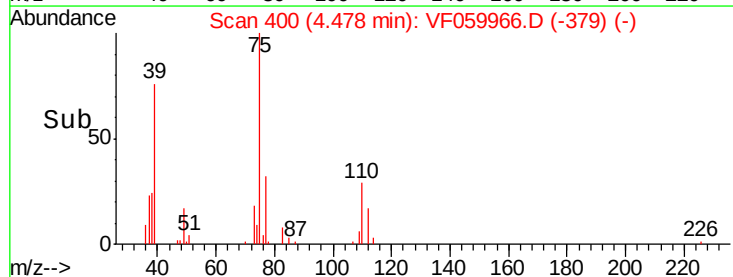
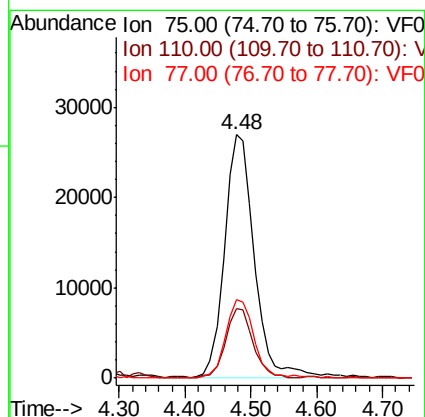
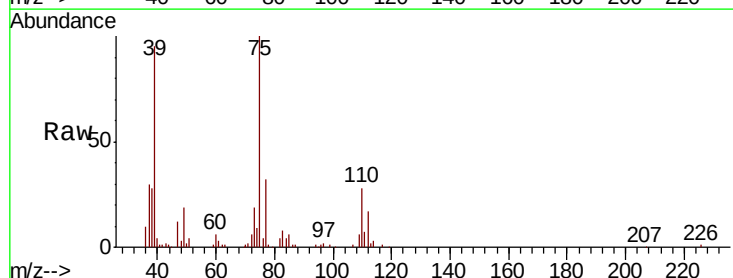
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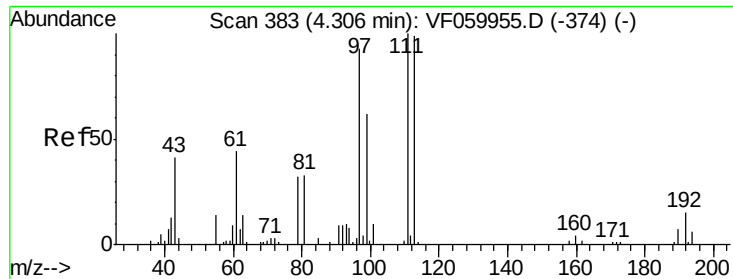
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#36
1,1-Dichloropropene
Concen: 46.34 ug/l
RT: 4.48 min Scan# 400
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.3	12.6	37.8
77	32.1	22.7	34.1





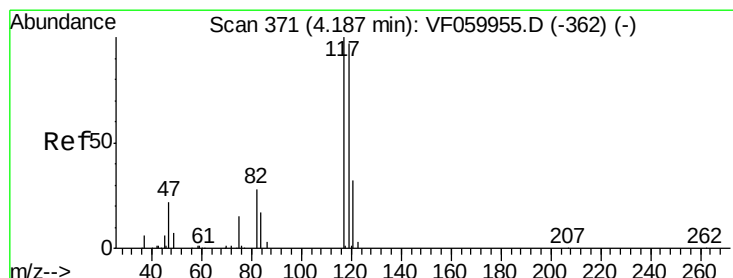
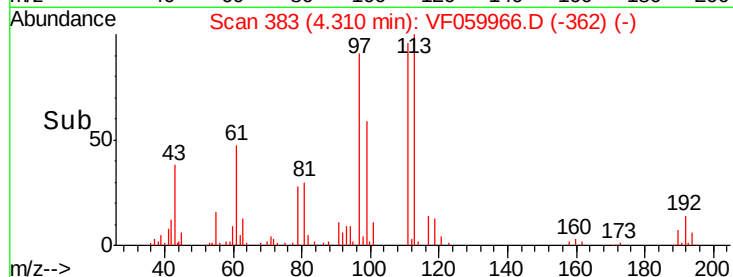
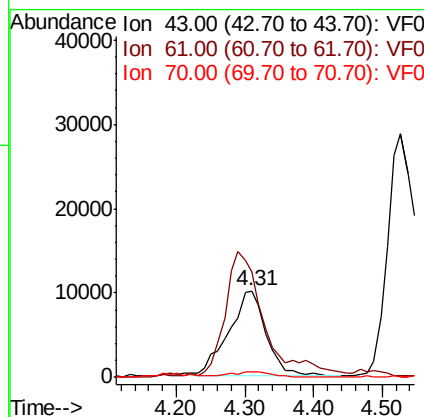
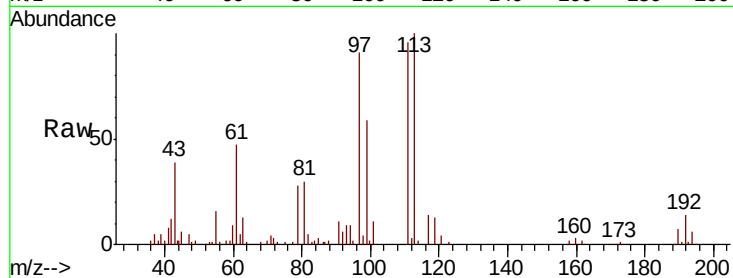
#37
Ethyl Acetate
Concen: 48.83 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	121.6	84.3	126.5	
70	6.0	5.5	8.3	

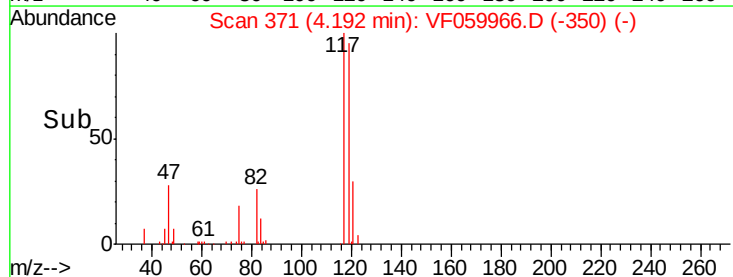
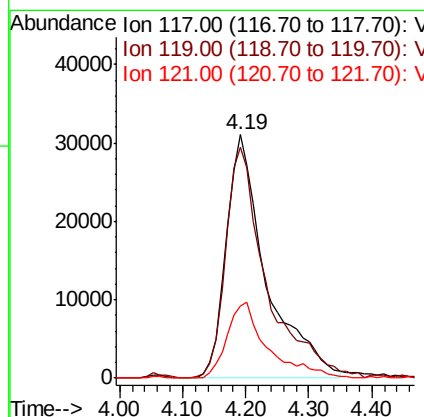
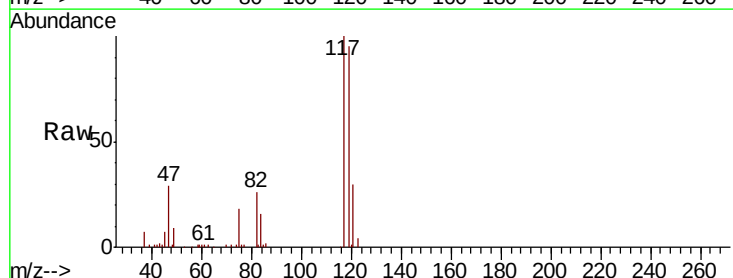
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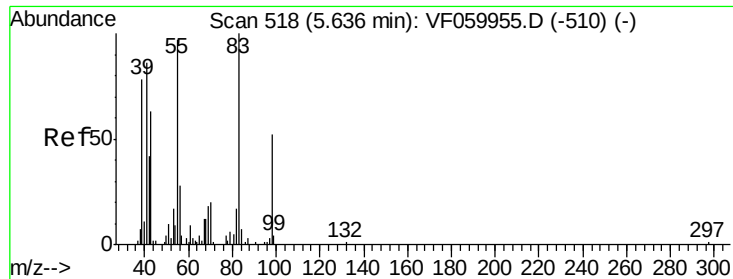
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#38
Carbon Tetrachloride
Concen: 44.52 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.9	76.9	115.3	
121	29.5	24.9	37.3	





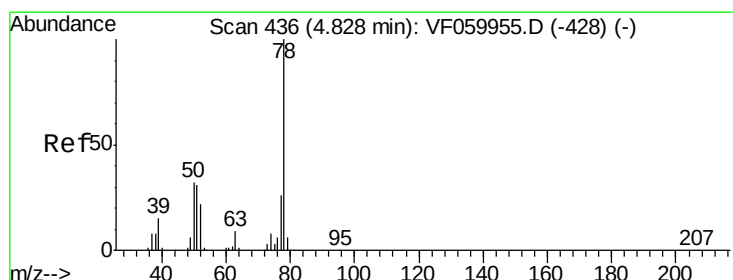
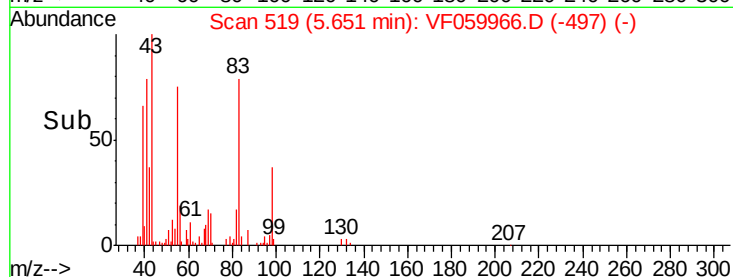
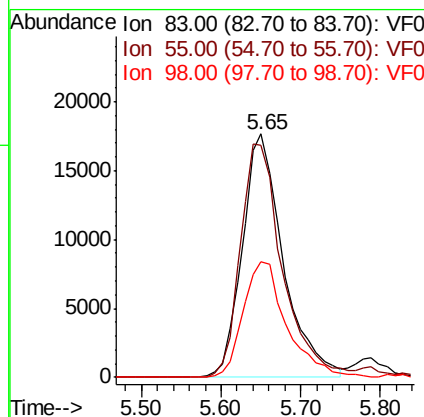
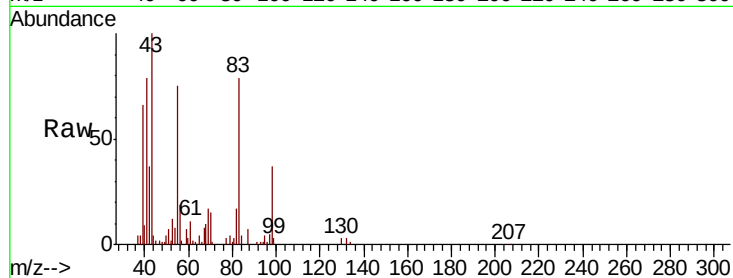
#39
Methylvlcyclohexane
Concen: 46.67 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.2	77.4	116.2
98	47.2	41.5	62.3

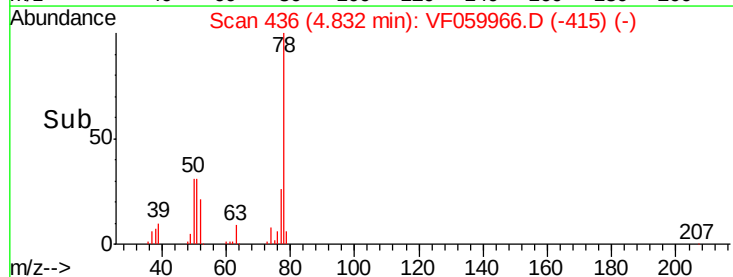
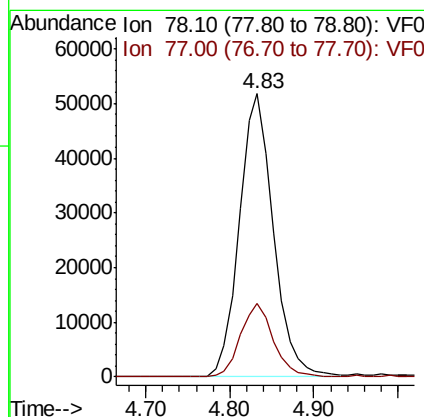
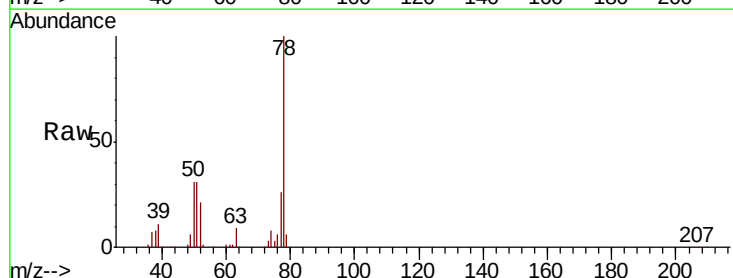
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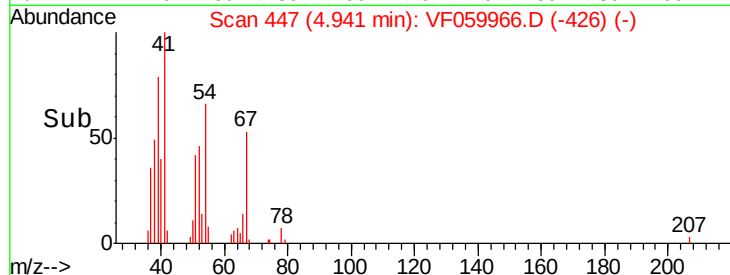
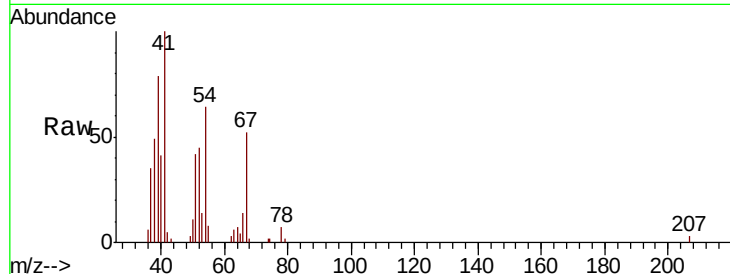
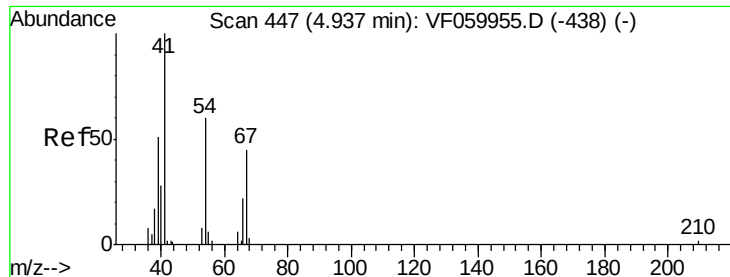
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#40
Benzene
Concen: 46.77 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	21.1	31.7





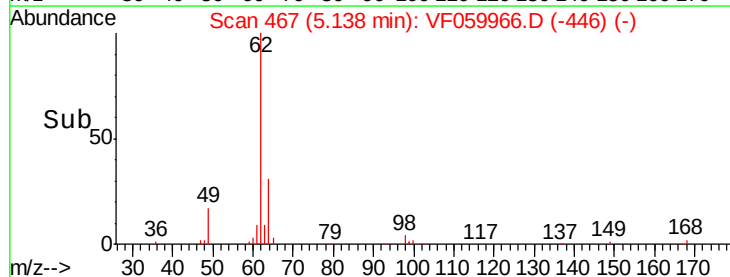
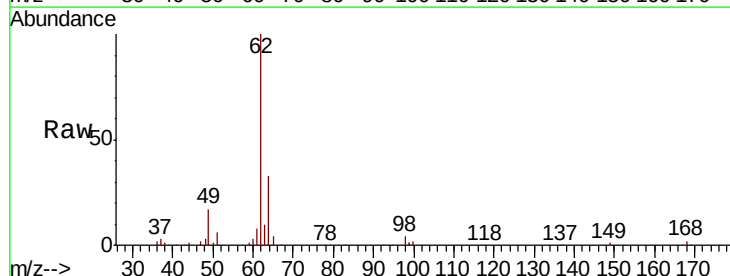
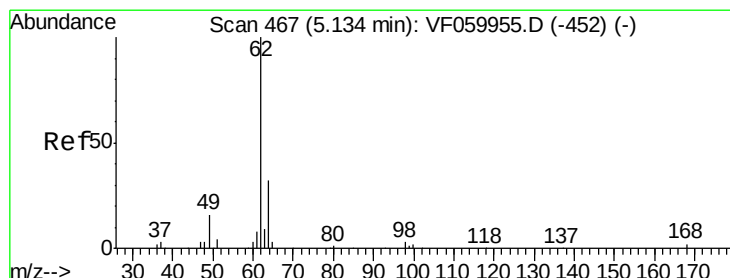
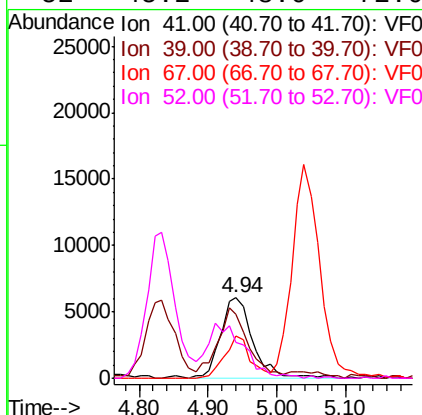
#41
Methacrylonitrile
Concen: 50.77 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tot Ion	Ion	Ratio	Lower	Upper
19814	41	100		
	39	79.4	75.7	113.5
	67	52.2	36.1	54.1
	52	45.2	48.0	72.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

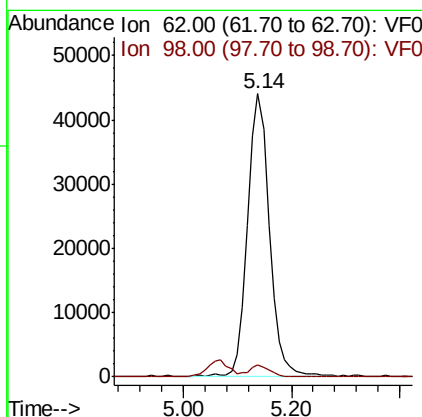
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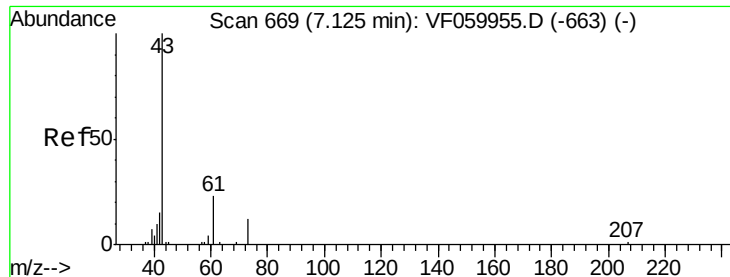
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#42
1,2-Dichloroethane
Concen: 50.04 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion	Ion	Ratio	Lower	Upper
124432	62	100		
	98	4.4	0.0	5.0





#43

Isopropyl Acetate

Concen: 50.45 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

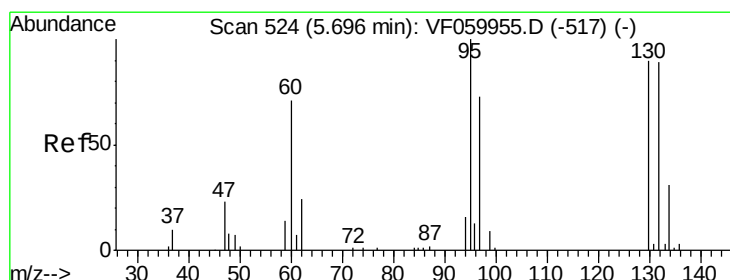
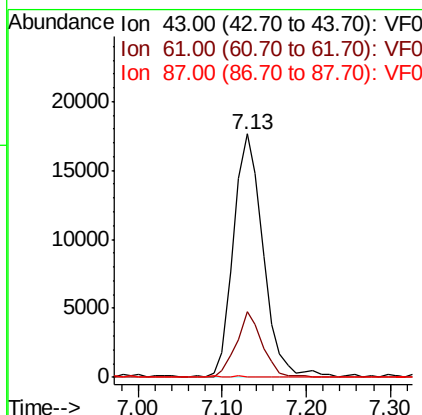
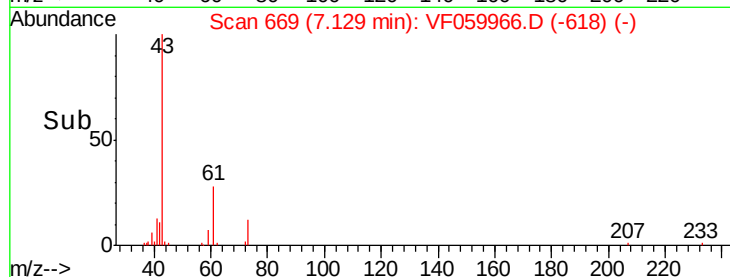
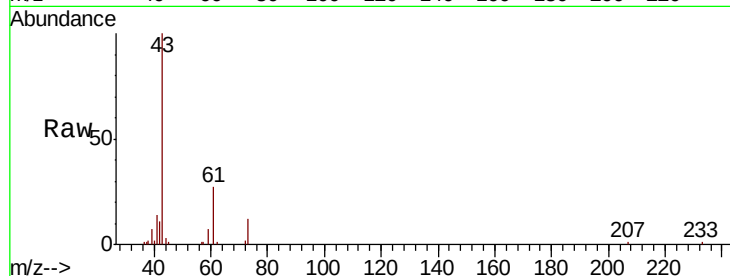
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	43520
Ion	Ratio	Lower	Upper
43	100		
61	27.2	18.6	27.8
87	0.0	0.0	0.0

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#44

Trichloroethene

Concen: 47.38 ug/l

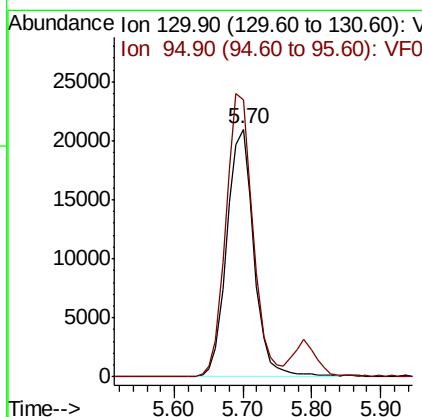
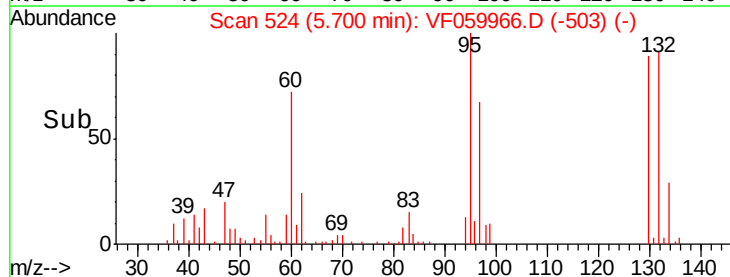
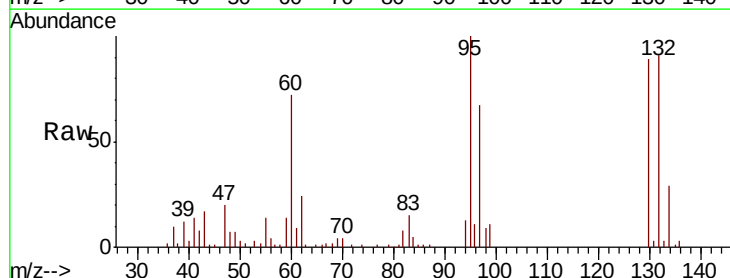
RT: 5.70 min Scan# 524

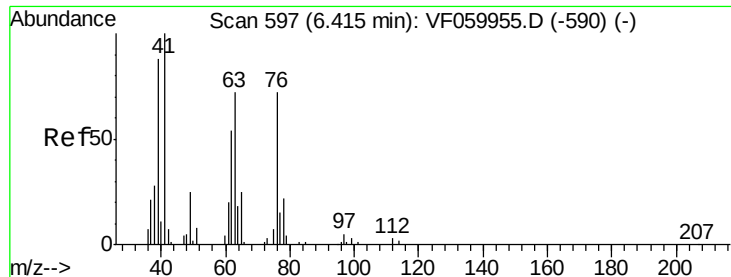
Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion:	130	Resp:	57084
Ion	Ratio	Lower	Upper
130	100		
95	111.8	0.0	222.0





#45

1,2-Dichloropropane

Concen: 50.02 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 41405

Ion Ratio Lower Upper

63 100

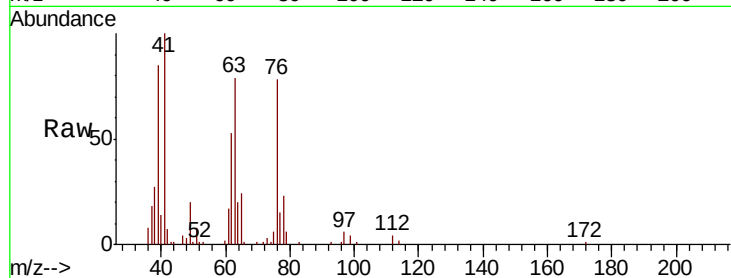
65 29.9 27.8 41.6

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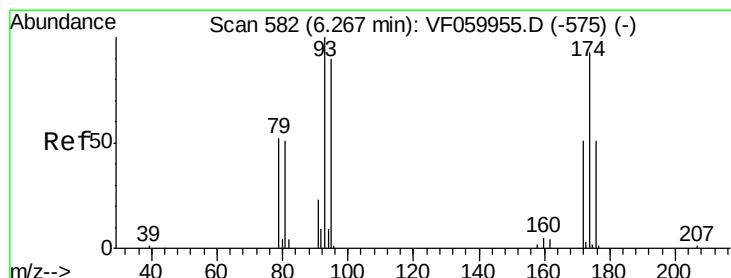
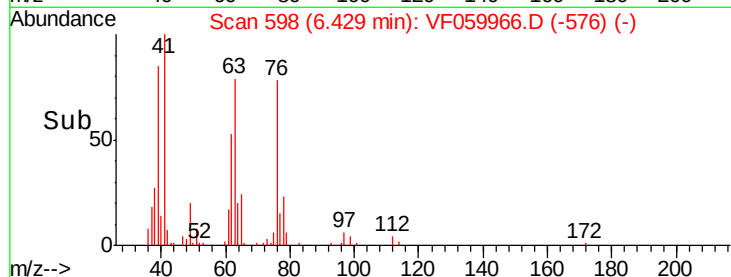
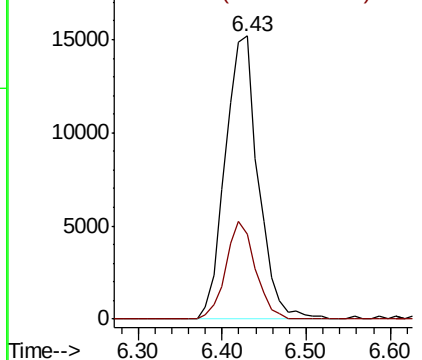
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 47.76 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

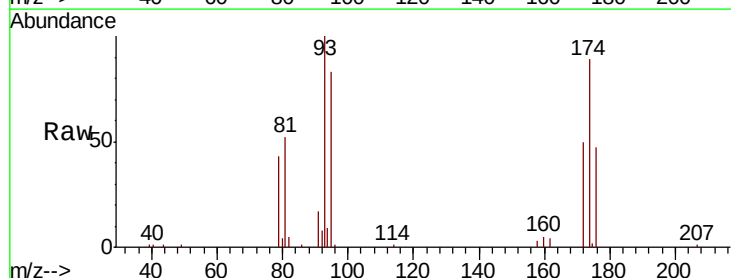
Tgt Ion: 93 Resp: 39011

Ion Ratio Lower Upper

93 100

95 83.3 72.4 108.6

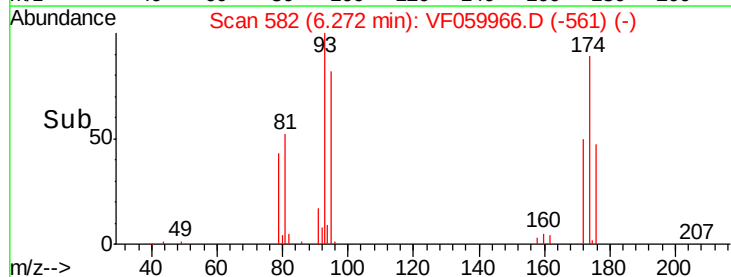
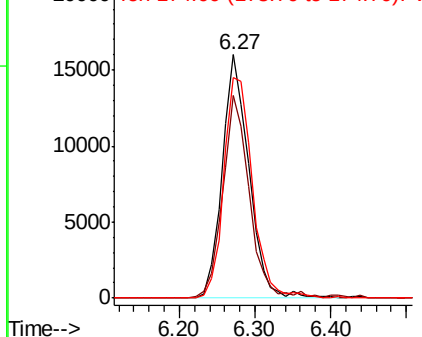
174 90.8 75.9 113.9

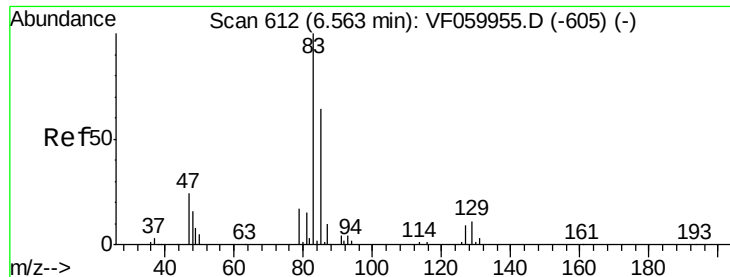


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 48.55 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

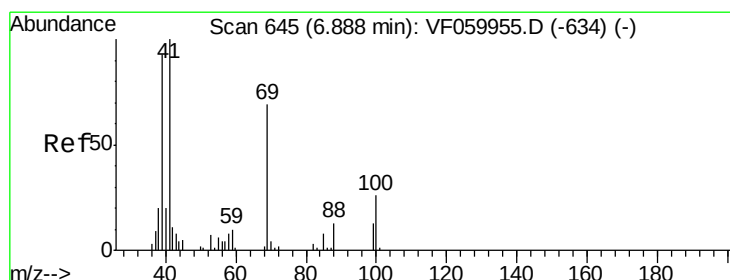
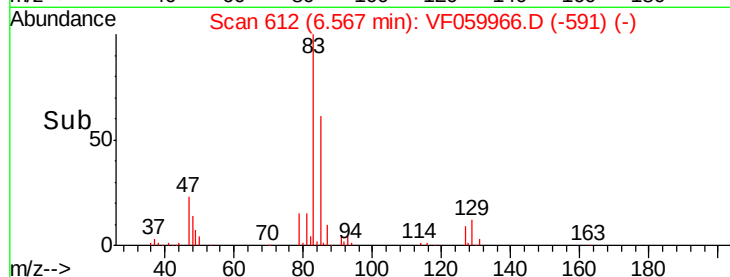
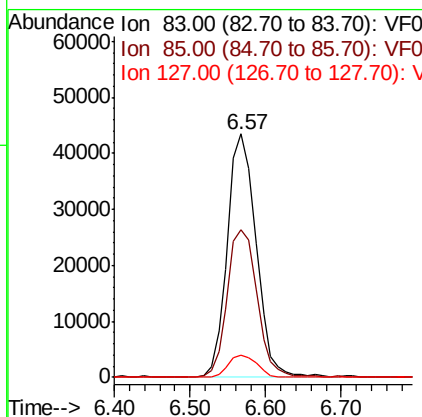
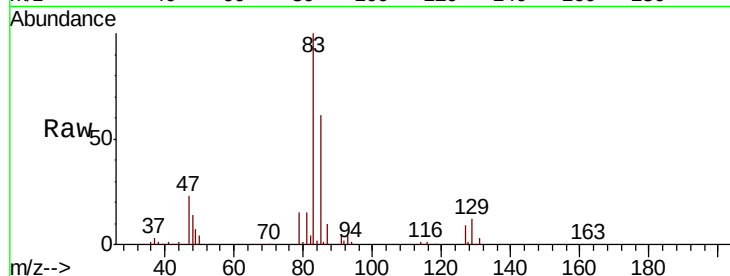
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	114431
Ion Ratio	Lower	Upper	
83	100		
85	60.6	51.5	77.3
127	9.9	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.11 ug/l

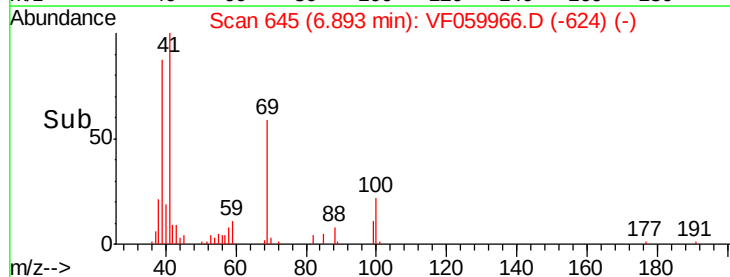
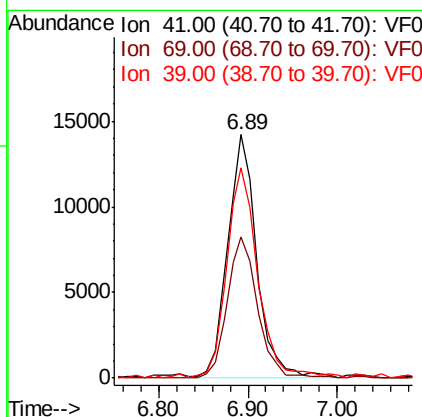
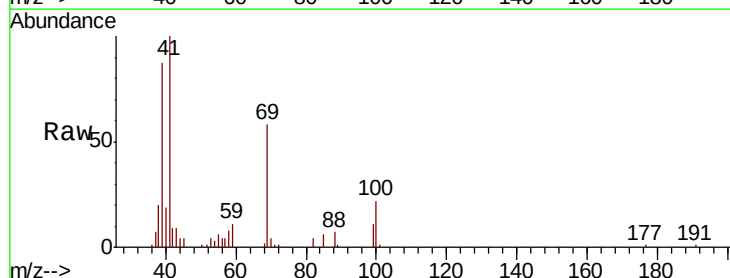
RT: 6.89 min Scan# 645

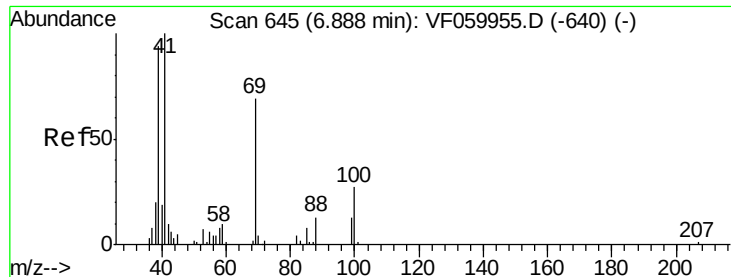
Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion:	41	Resp:	32841
Ion Ratio	Lower	Upper	
41	100		
69	58.3	54.8	82.2
39	86.6	75.1	112.7





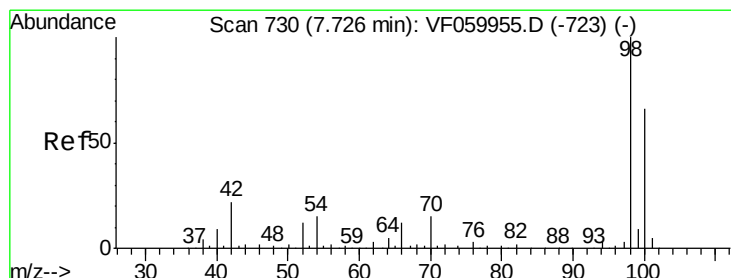
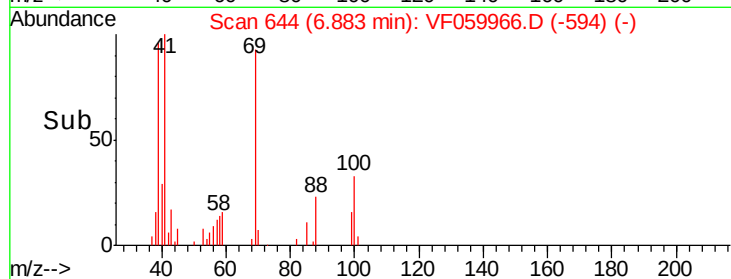
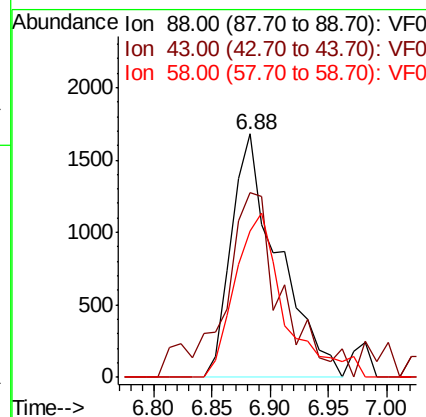
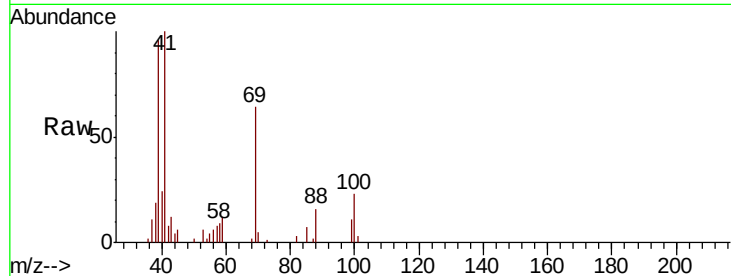
#49
1,4-Dioxane
Concen: 965.77 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	75.7	47.9	71.9#
58	60.1	52.0	78.0

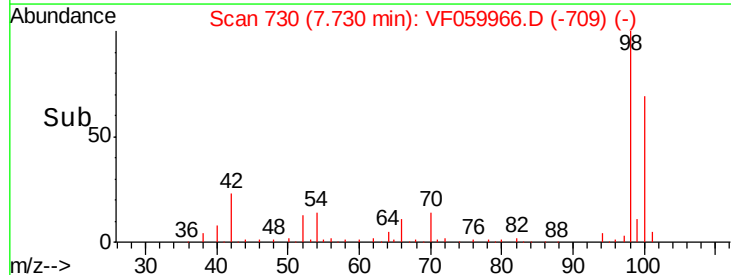
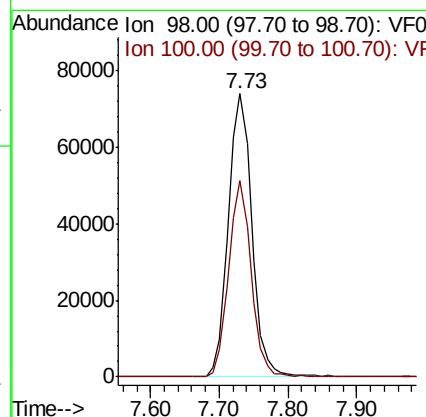
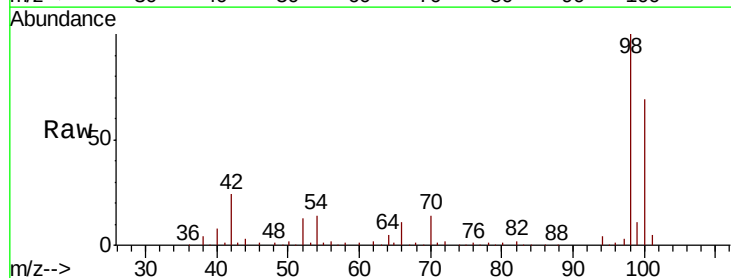
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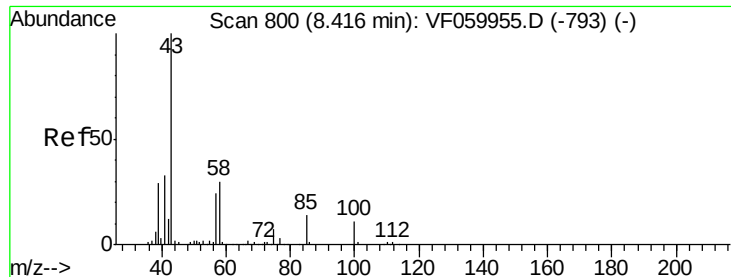
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#50
Toluene-d8
Concen: 47.83 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 253.38 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 211731

Ion Ratio Lower Upper

43 100

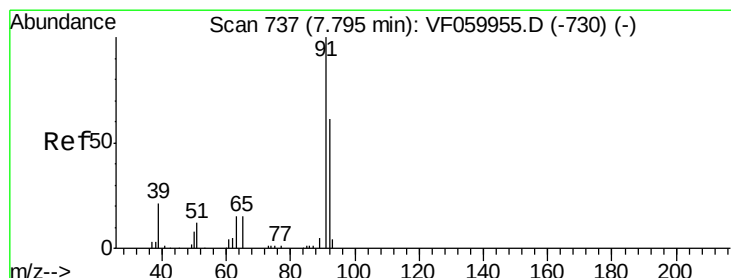
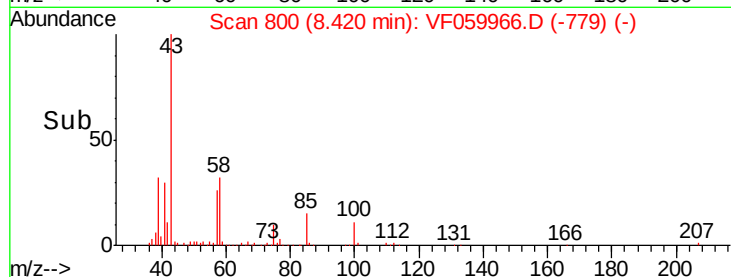
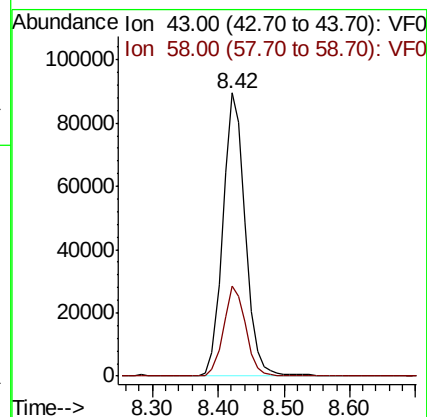
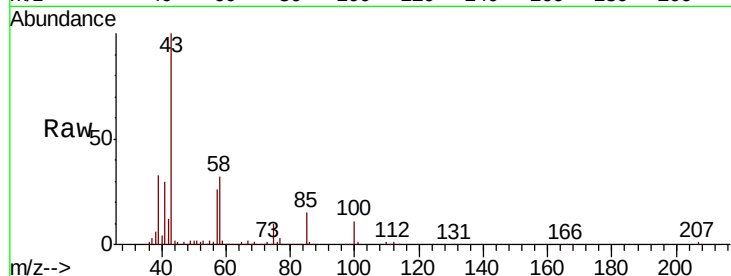
58 31.7 24.2 36.4

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#52

Toluene

Concen: 48.23 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059966.D

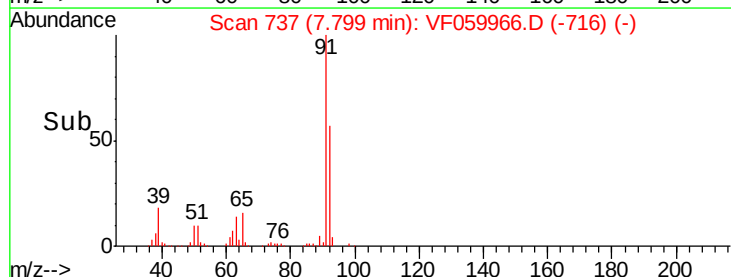
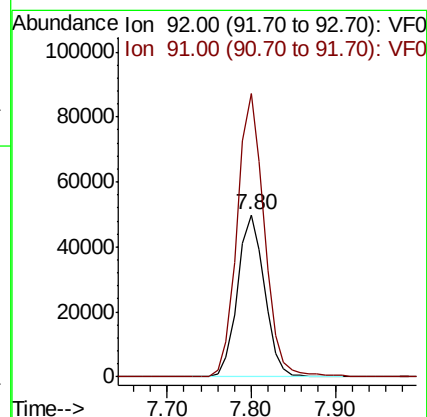
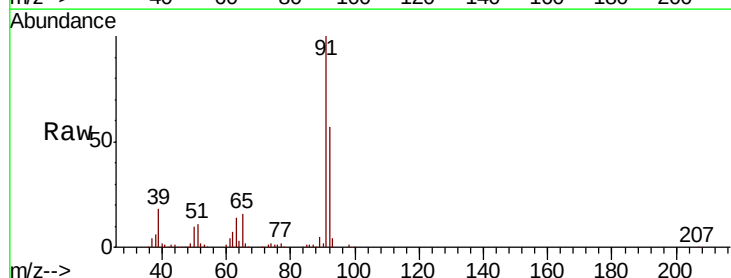
Acq: 15 Aug 2018 2:05

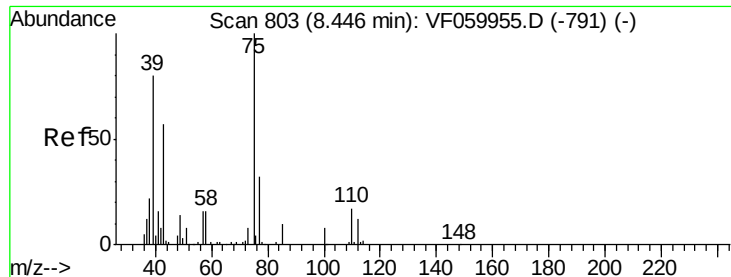
Tgt Ion: 92 Resp: 111825

Ion Ratio Lower Upper

92 100

91 175.0 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 48.62 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tot Ion: 75 Resp: 93731

Ion Ratio Lower Upper

75 100

77 34.1 25.8 38.6

Instrument :

MSVOA_F

ClientSampleId :

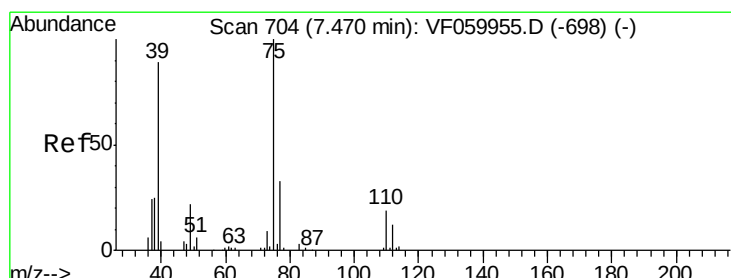
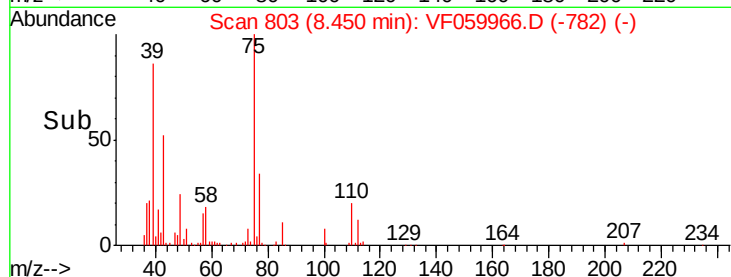
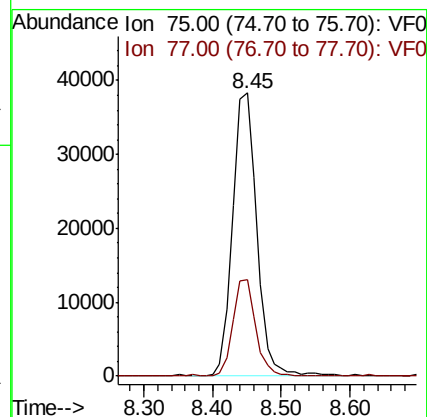
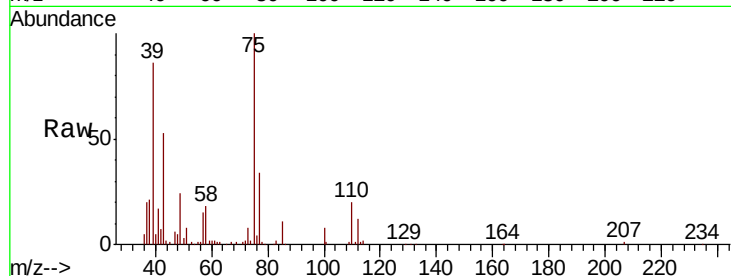
VSTDCCC050EC

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.89 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

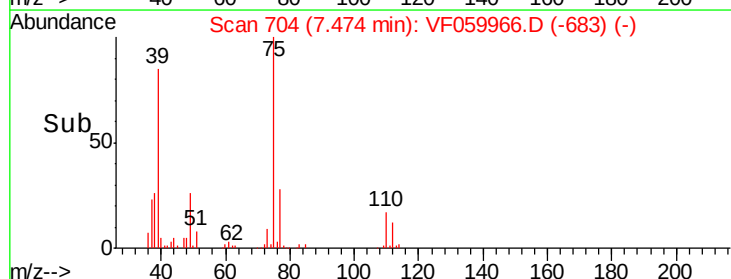
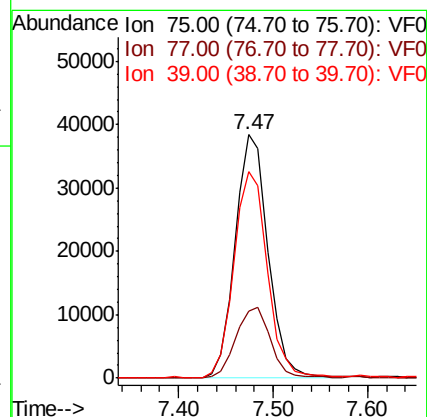
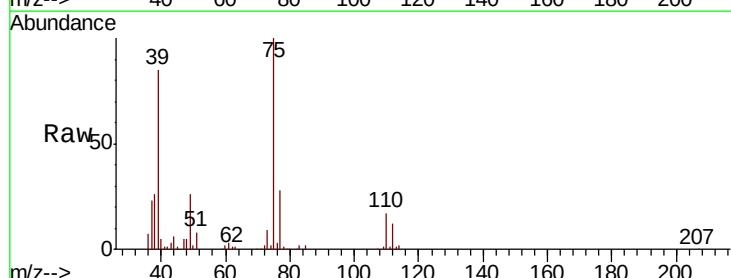
Tgt Ion: 75 Resp: 92566

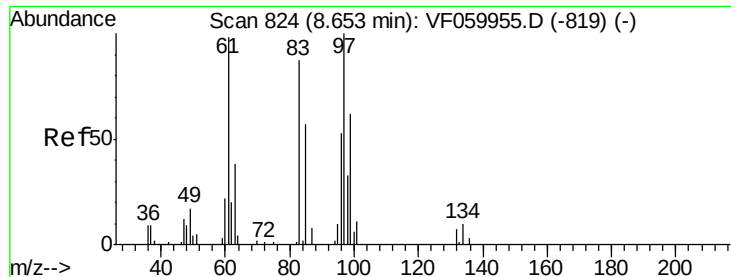
Ion Ratio Lower Upper

75 100

77 27.7 26.1 39.1

39 85.1 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 49.53 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

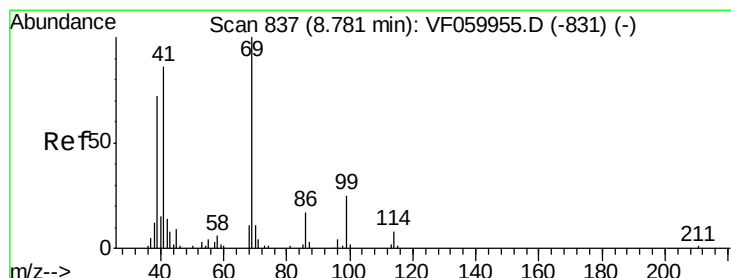
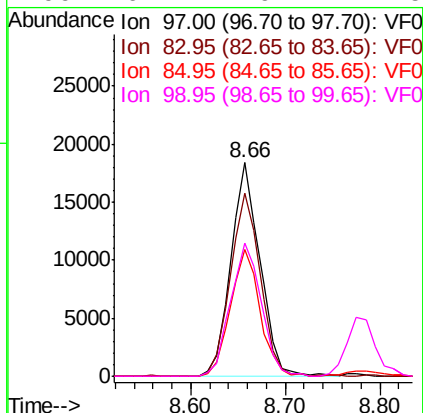
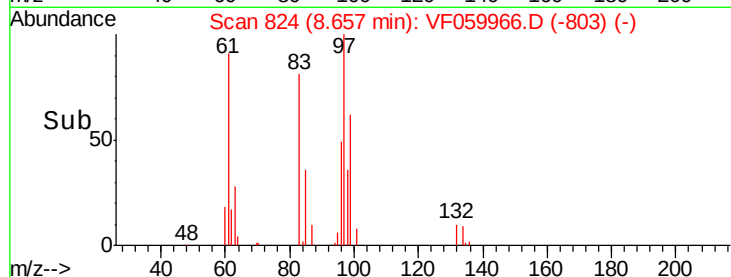
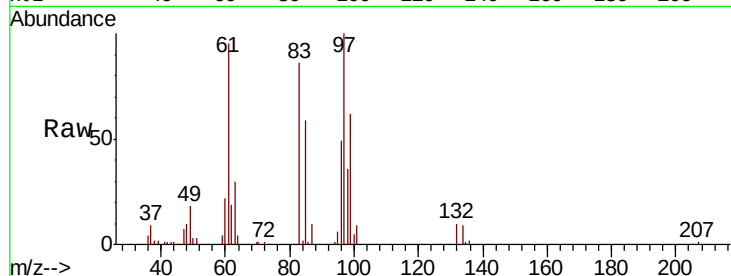
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	39242
Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.0	105.0
85	59.4	45.2	67.8
99	62.1	49.7	74.5

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#56

Ethyl methacrylate

Concen: 51.41 ug/l

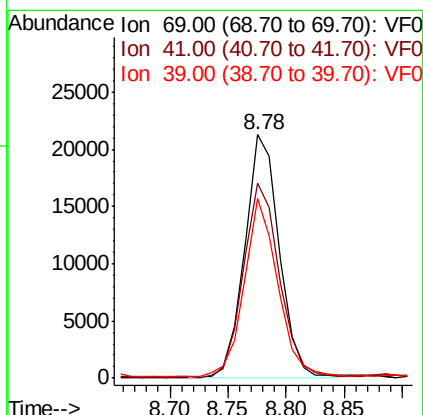
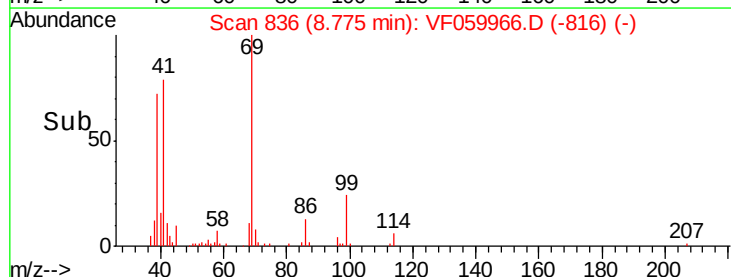
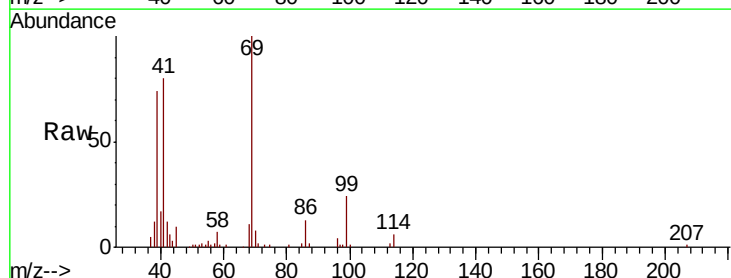
RT: 8.78 min Scan# 836

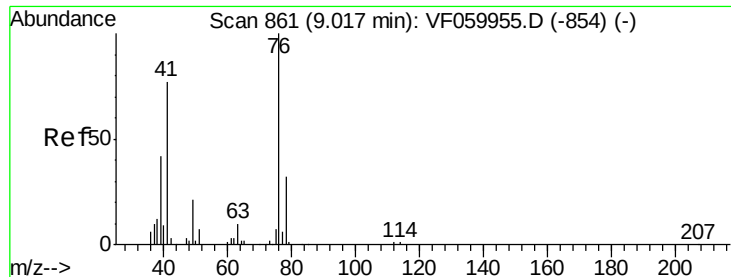
Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion:	69	Resp:	43755
Ion	Ratio	Lower	Upper
69	100		
41	80.0	68.7	103.1
39	73.6	58.5	87.7





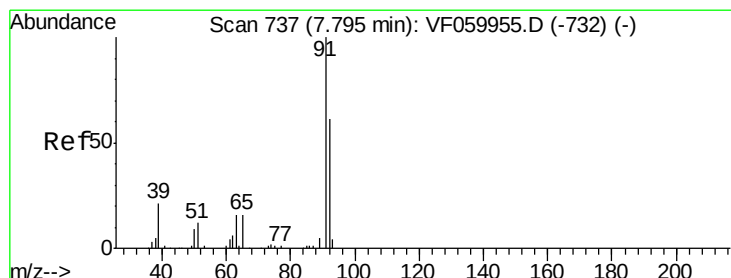
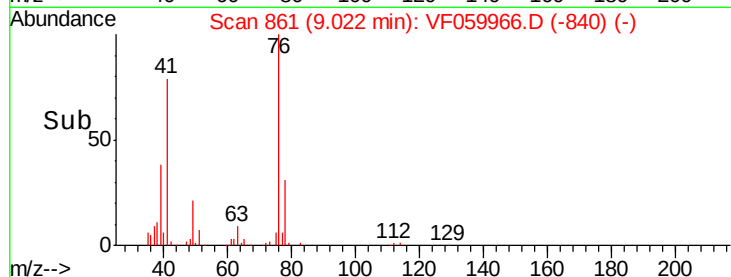
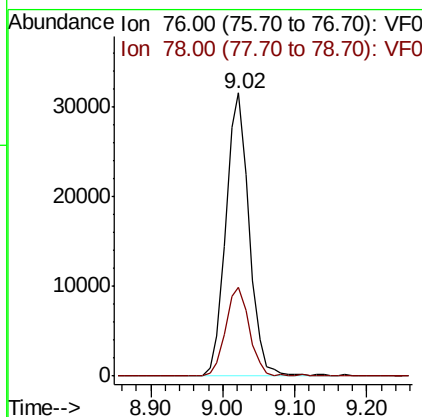
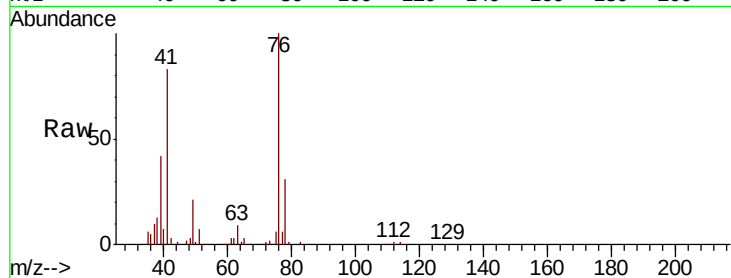
#57
 1,3-Dichloropropane
 Concen: 48.42 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.5	38.3

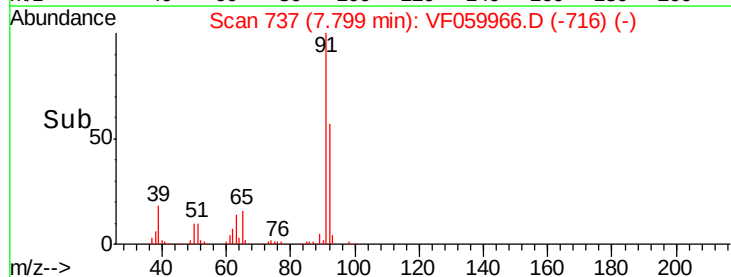
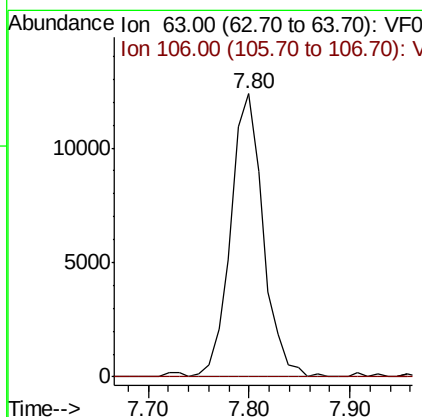
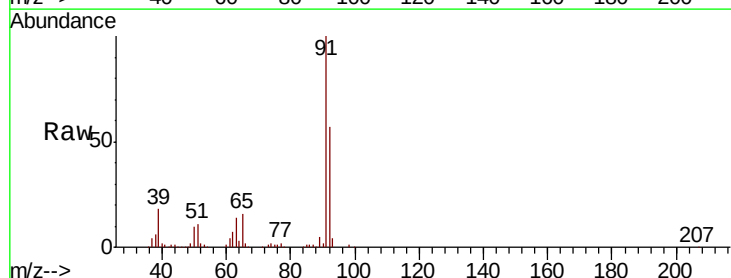
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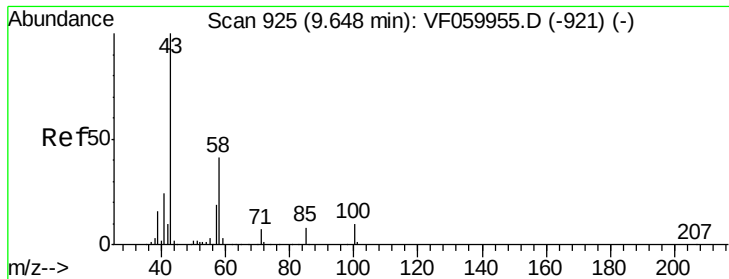
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#58
 2-Chloroethyl Vinyl ether
 Concen: 241.50 ug/l
 RT: 7.80 min Scan# 737
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





#59

2-Hexanone

Concen: 246.02 ug/l

RT: 9.65 min Scan# 925

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 149954

Ion Ratio Lower Upper

43 100

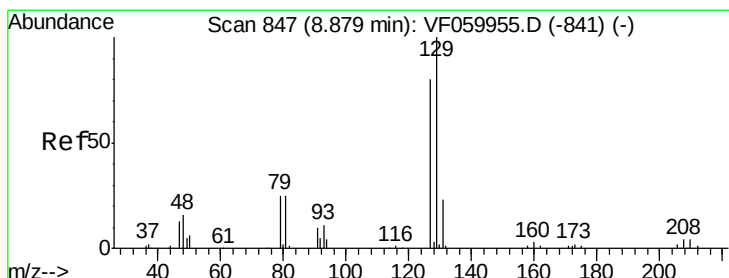
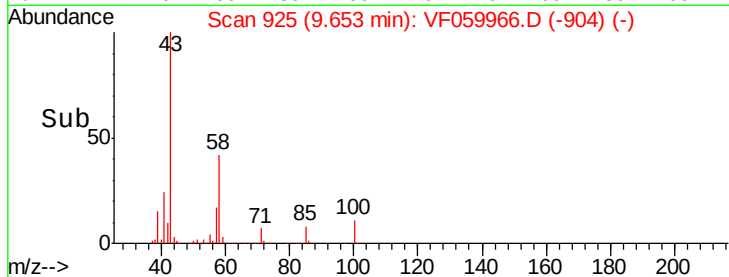
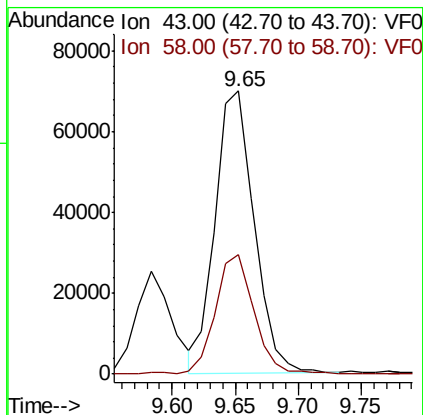
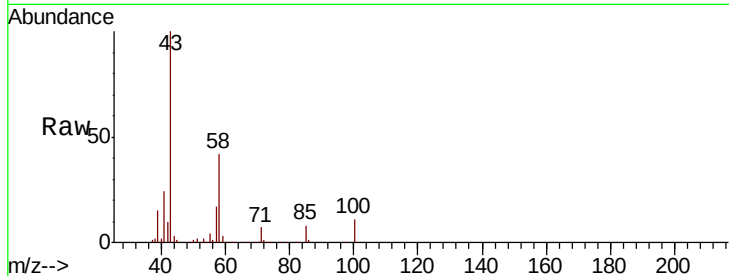
58 42.4 19.4 58.2

Manual Integrations

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#60

Dibromochloromethane

Concen: 50.09 ug/l

RT: 8.88 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF059966.D

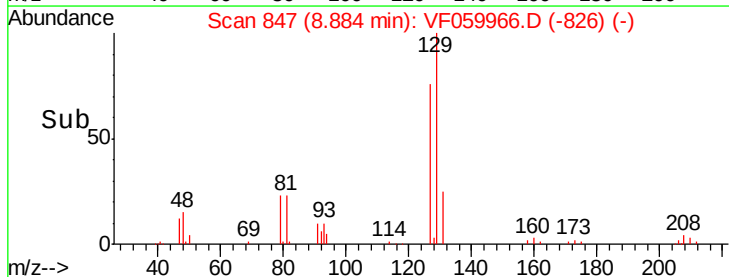
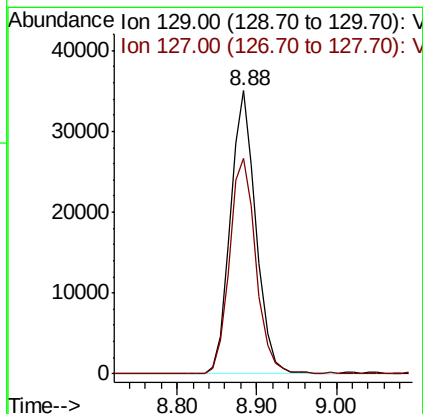
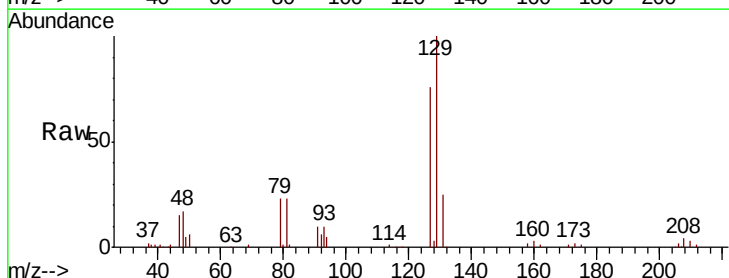
Acq: 15 Aug 2018 2:05

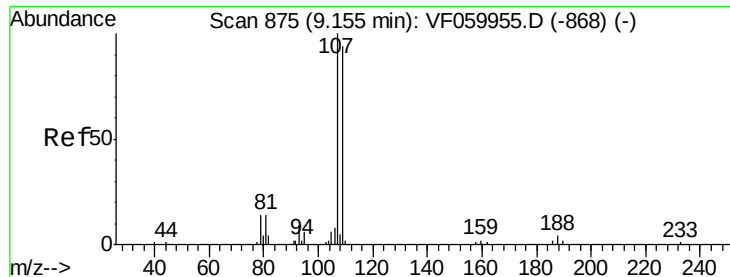
Tgt Ion: 129 Resp: 78532

Ion Ratio Lower Upper

129 100

127 76.0 40.0 119.9





#61

1,2-Dibromoethane

Concen: 52.19 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 51583

Ion Ratio Lower Upper

107 100

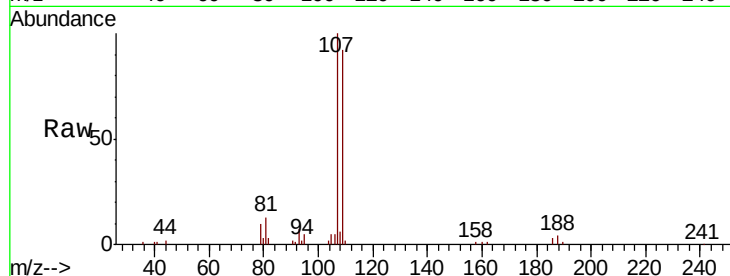
109 92.0 75.0 112.6

Manual Integrations

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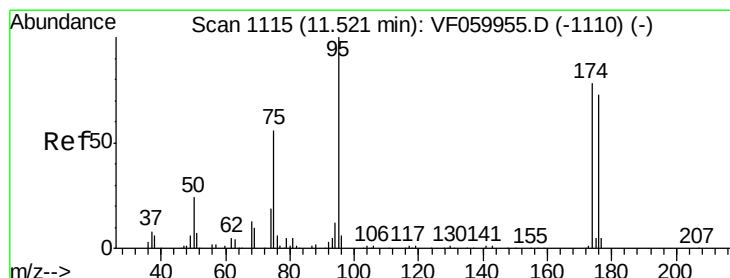
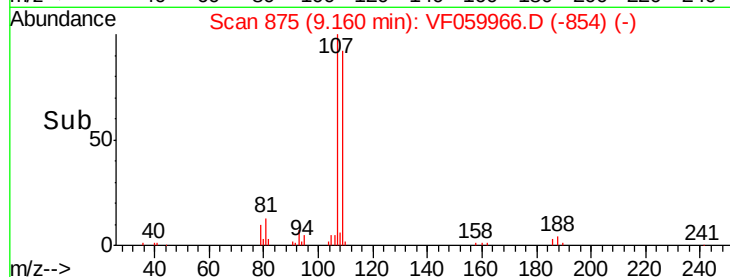
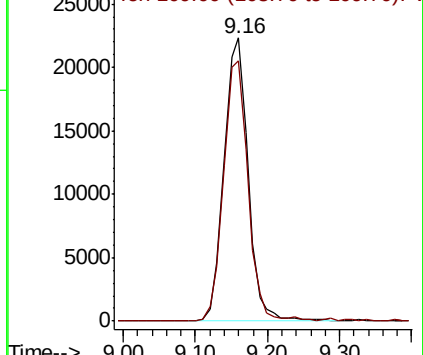
apatel

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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: 49.92 ug/l

RT: 11.53 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

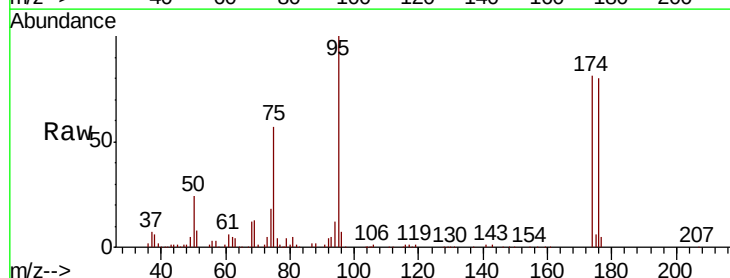
Tgt Ion: 95 Resp: 100861

Ion Ratio Lower Upper

95 100

174 81.0 0.0 156.4

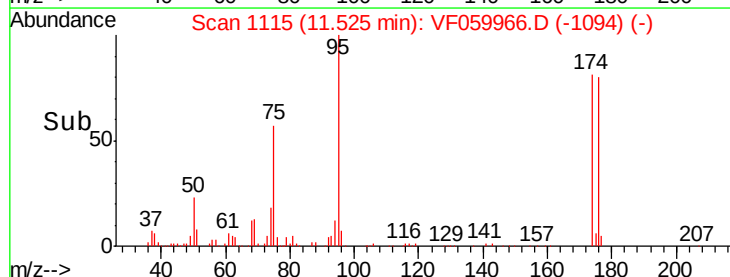
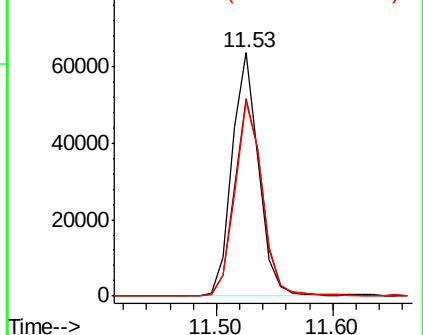
176 80.0 0.0 146.8

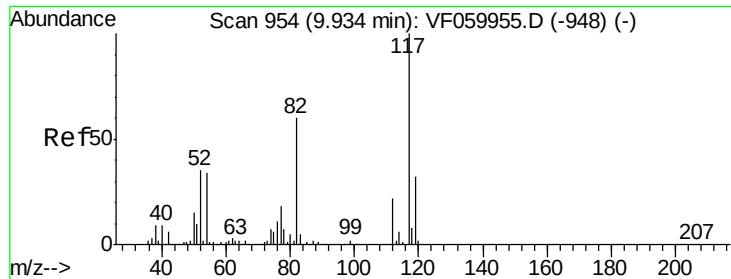


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





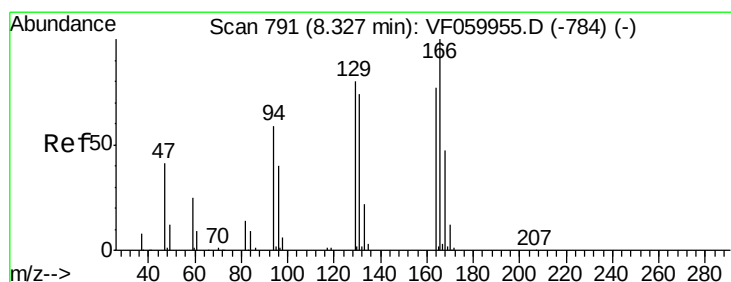
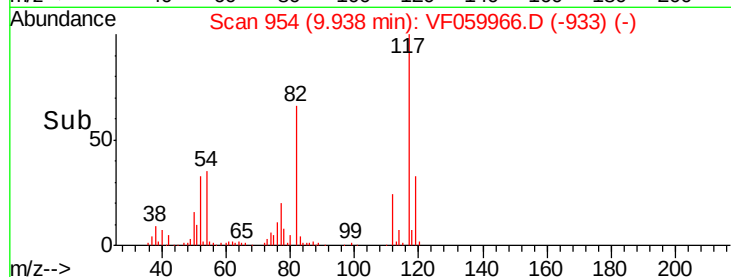
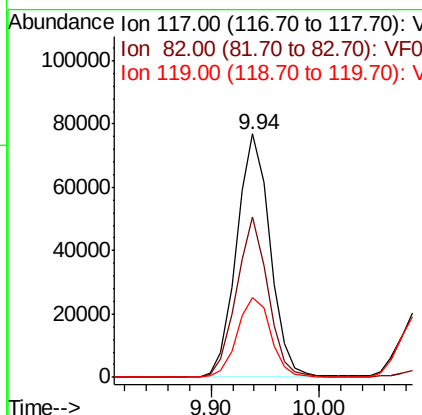
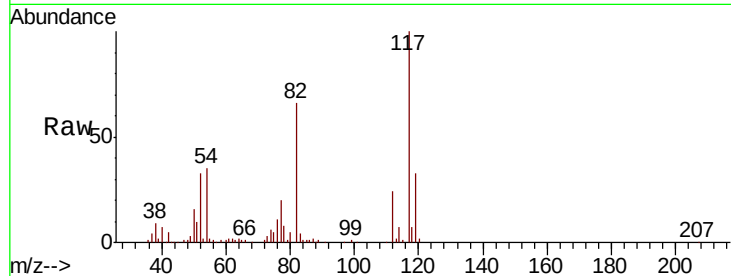
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	165772		
82	65.9	48.3	72.5	
119	32.5	25.7	38.5	

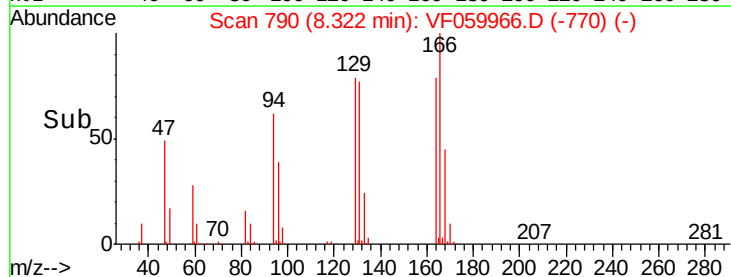
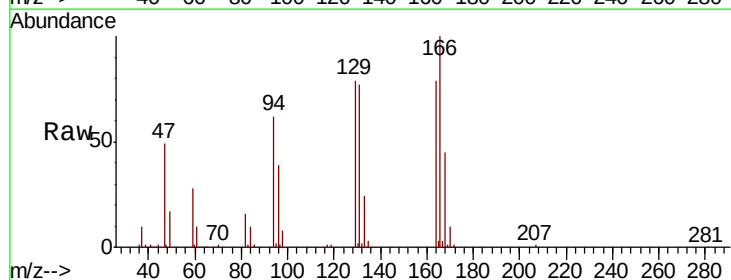
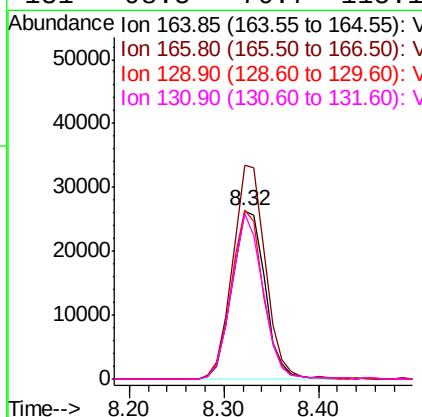
Manual Integrations
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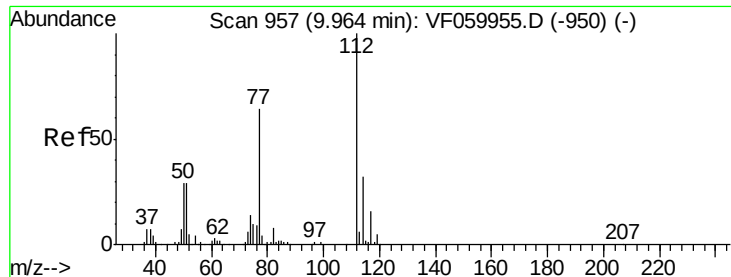
apatel
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#64
Tetrachloroethene
Concen: 48.93 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	63147		
166	127.3	103.4	155.2	
129	100.9	82.2	123.4	
131	98.5	76.7	115.1	





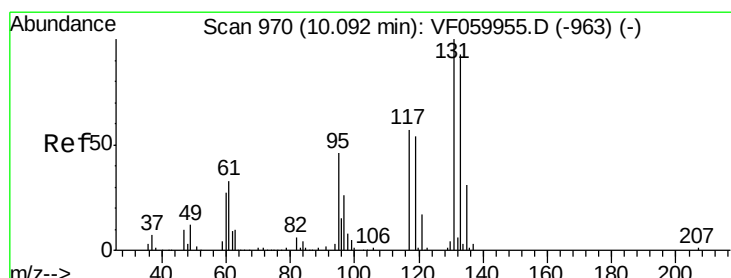
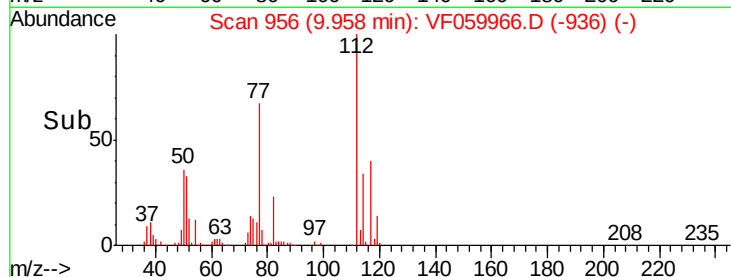
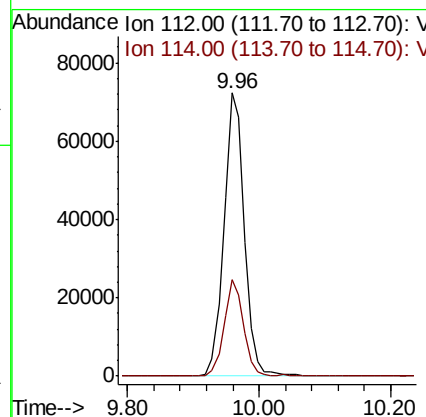
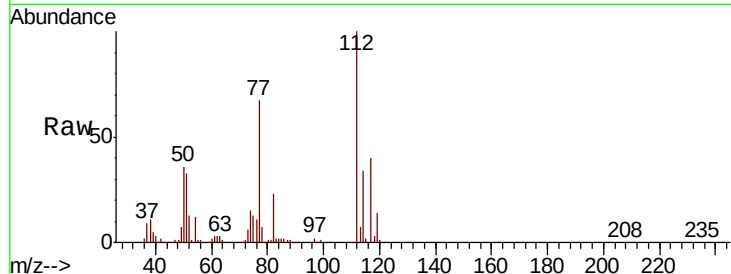
#65
Chlorobenzene
Concen: 48.59 ug/l
RT: 9.96 min Scan# 956
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.3	25.8	38.6

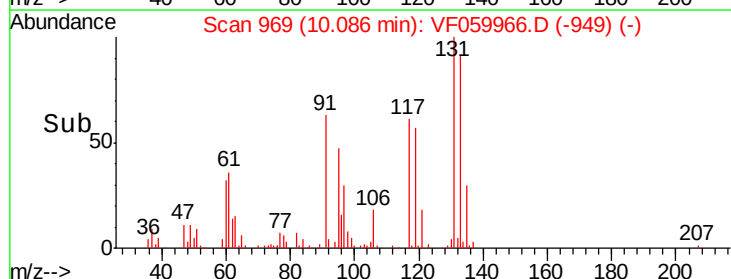
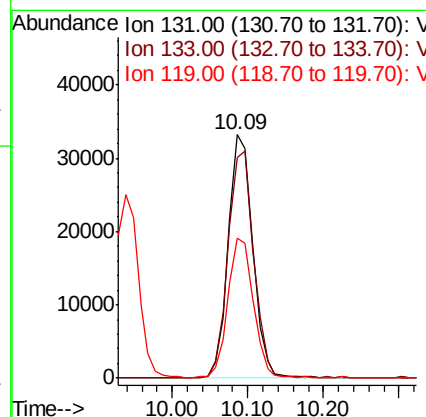
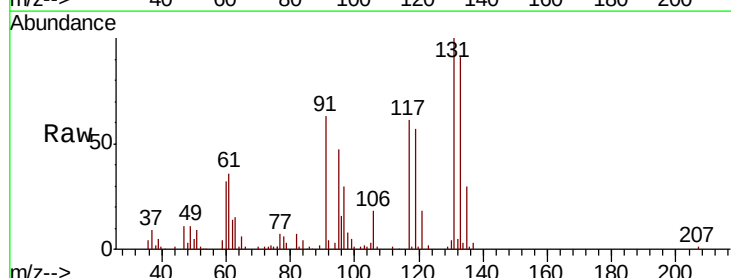
Manual Integrations
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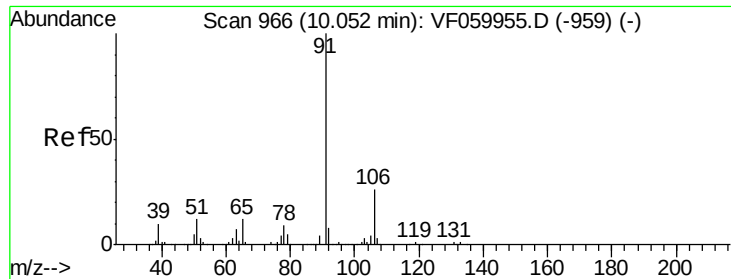
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.32 ug/l
RT: 10.09 min Scan# 969
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.6	46.4	139.1
119	57.4	27.2	81.5





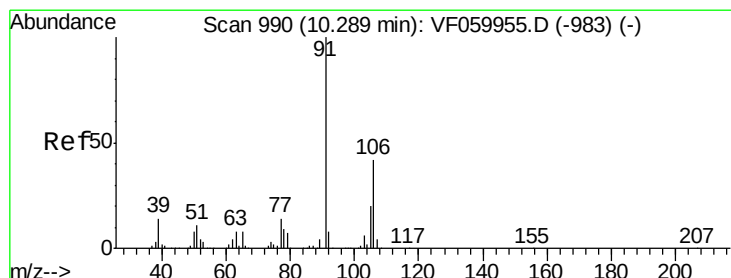
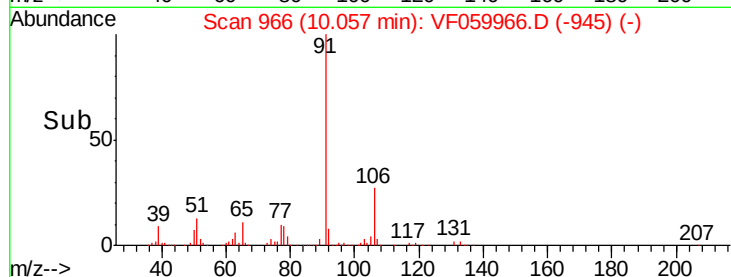
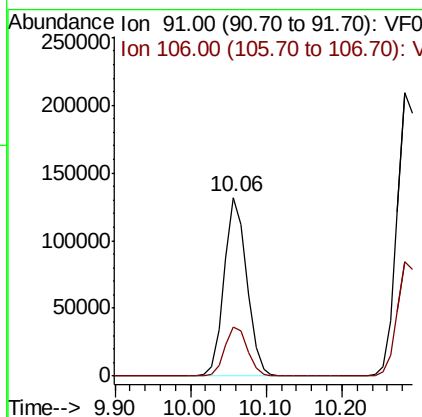
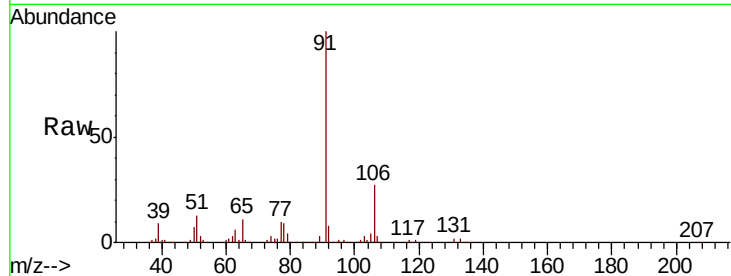
#67
Ethyl Benzene
Concen: 48.66 ug/l
RT: 10.06 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 275222
Ion Ratio Lower Upper
91 100
106 27.5 20.7 31.1

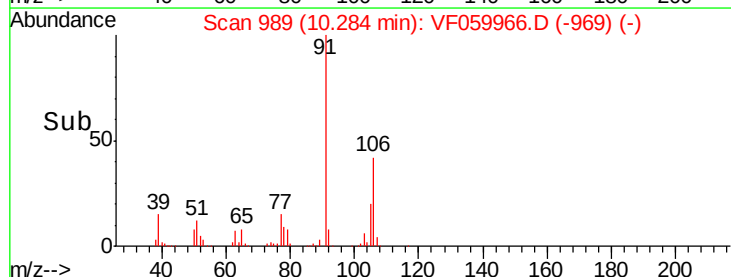
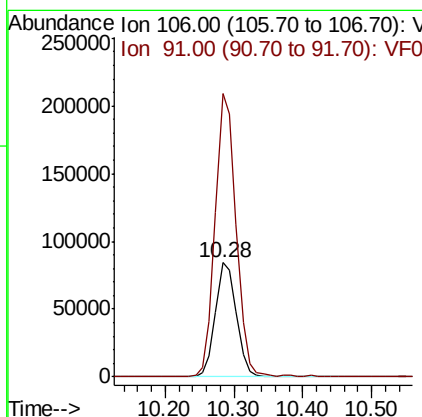
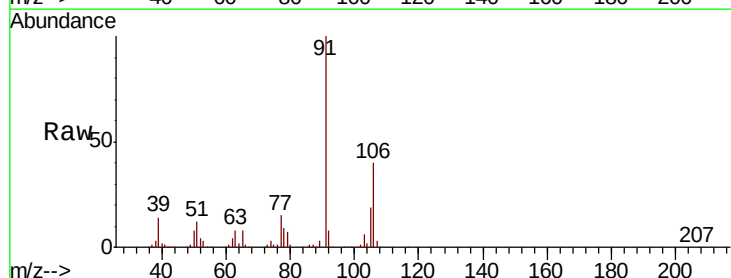
Manual Integrations
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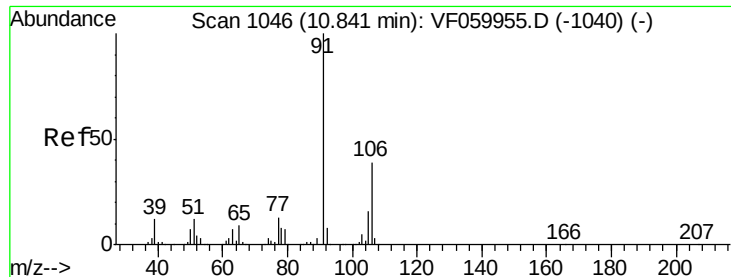
apatel
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#68
m/p-Xylenes
Concen: 94.59 ug/l
RT: 10.28 min Scan# 989
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion: 106 Resp: 179914
Ion Ratio Lower Upper
106 100
91 247.9 191.8 287.8





#69

o-Xylene

Concen: 49.07 ug/l

RT: 10.85 min Scan# 1046

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 101357

Ion Ratio Lower Upper

106 100

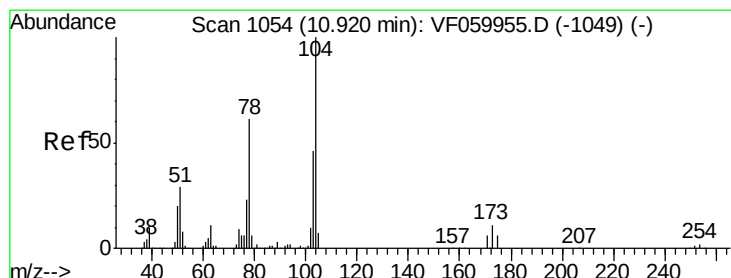
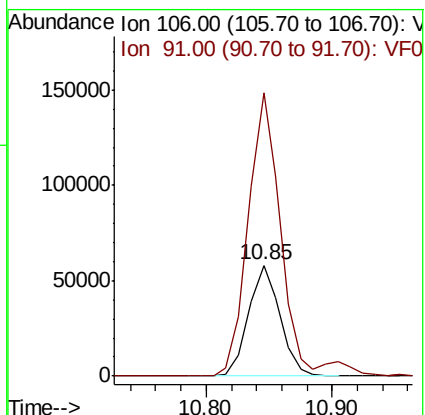
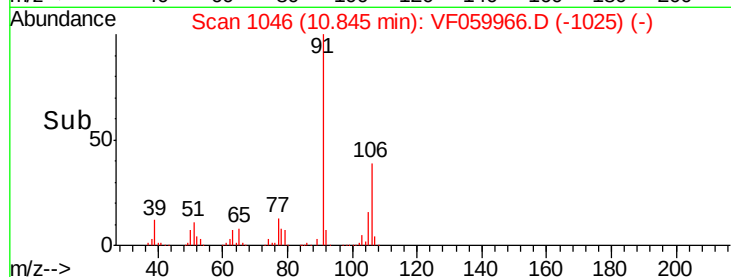
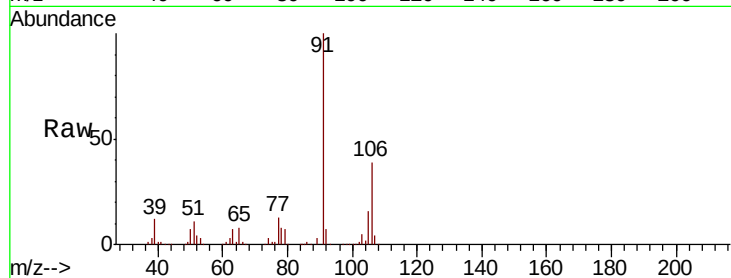
91 255.2 126.8 380.6

Manual Integrations

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#70

Styrene

Concen: 48.45 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

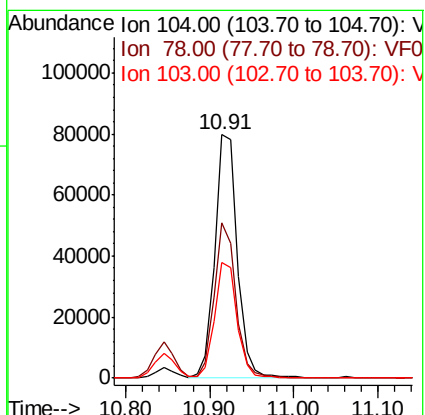
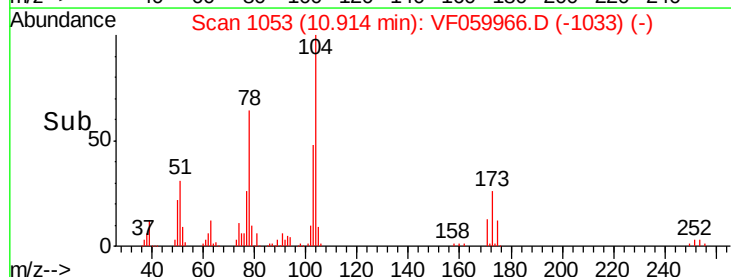
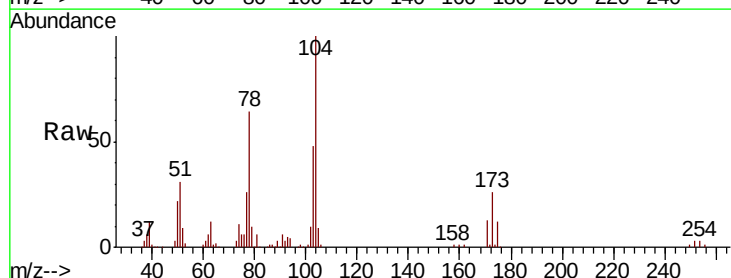
Tgt Ion:104 Resp: 148061

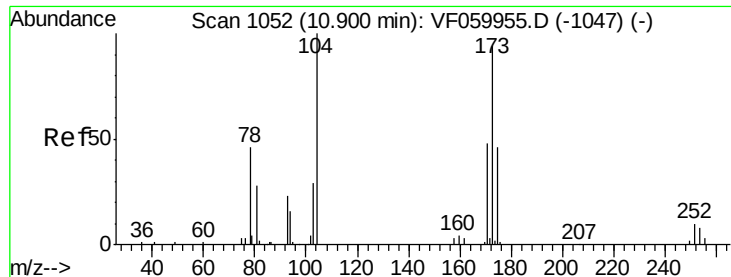
Ion Ratio Lower Upper

104 100

78 63.8 49.2 73.8

103 47.6 37.4 56.0





#71

Bromoform

Concen: 49.66 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 47778

Ion Ratio Lower Upper

173 100

175 51.2 24.6 73.6

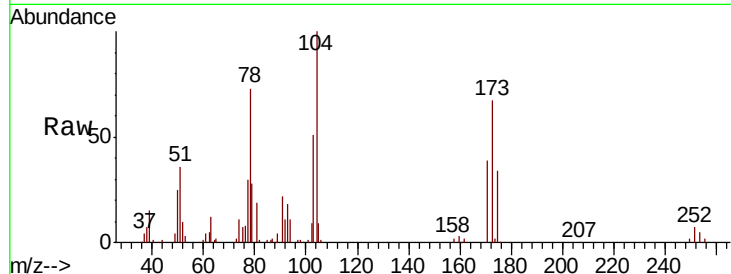
254 0.0 0.0 0.0

Manual Integrations

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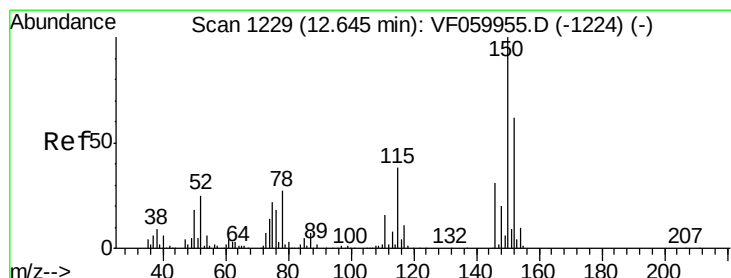
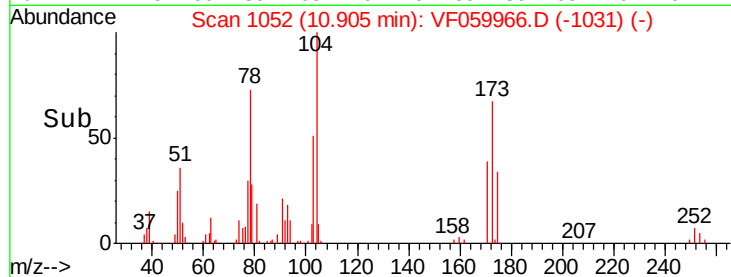
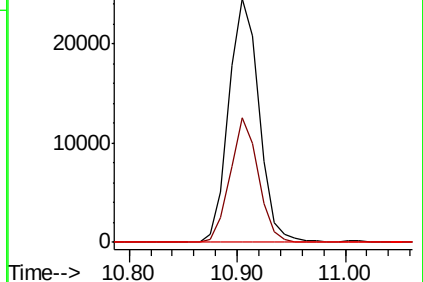
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

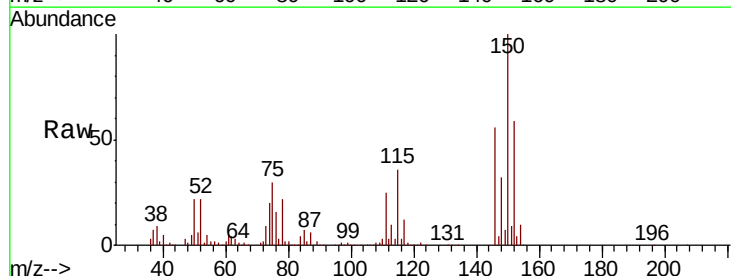
Tgt Ion:152 Resp: 106249

Ion Ratio Lower Upper

152 100

115 61.0 31.4 94.0

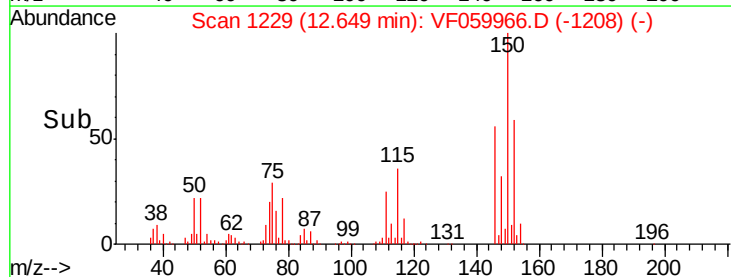
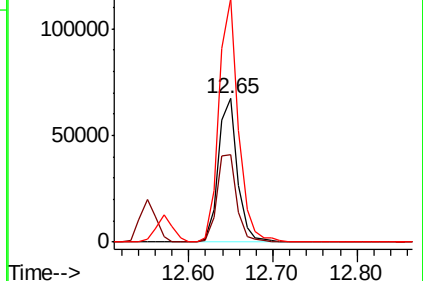
150 170.0 0.0 326.2

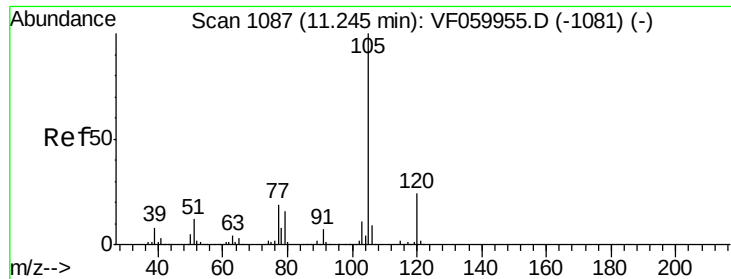


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 49.97 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 333916

Ion Ratio Lower Upper

105 100

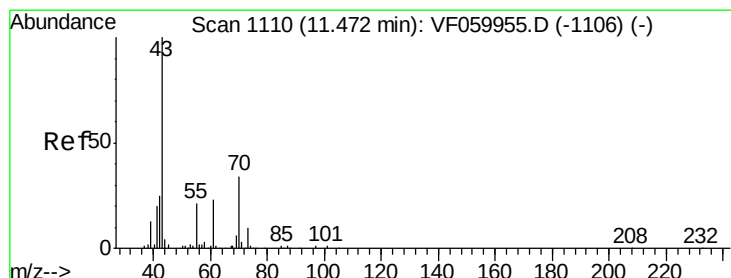
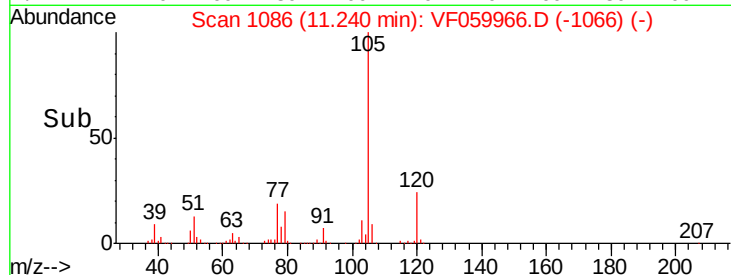
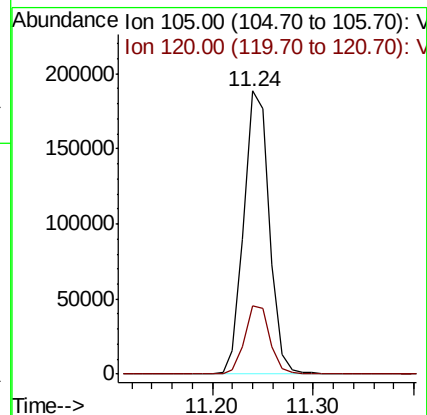
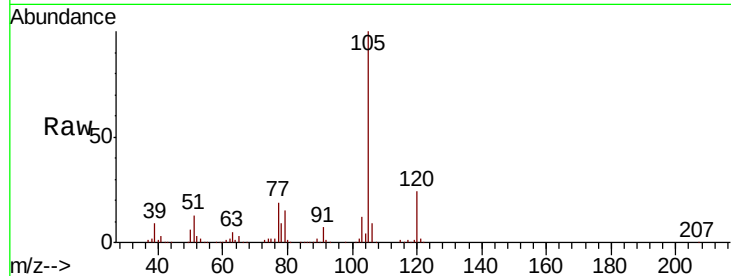
120 24.2 11.9 35.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.62 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion: 43 Resp: 77498

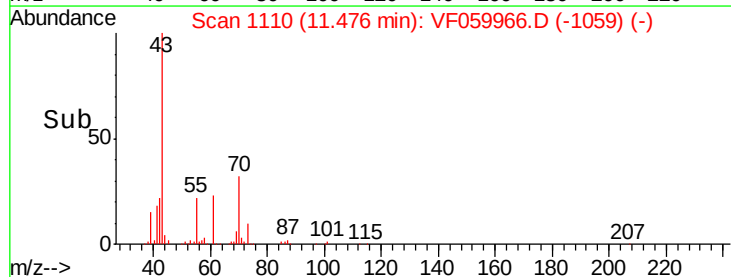
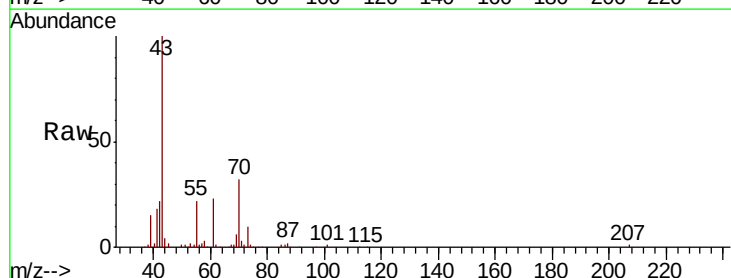
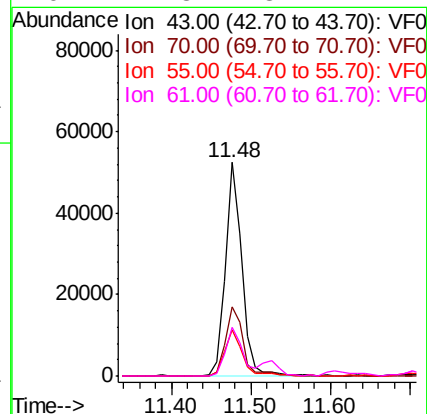
Ion Ratio Lower Upper

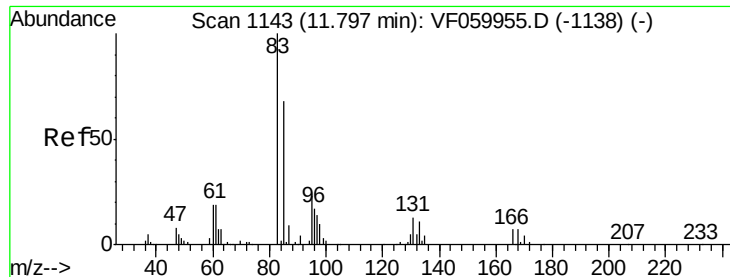
43 100

70 32.5 26.9 40.3

55 21.7 16.9 25.3

61 22.8 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.34 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

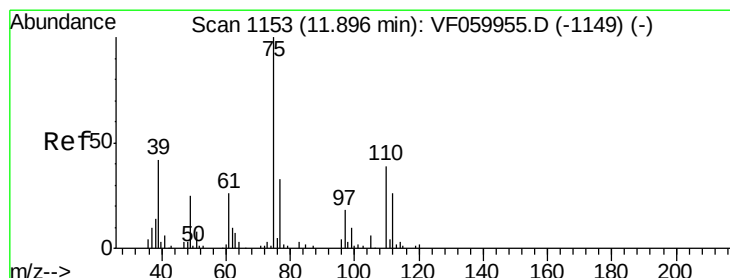
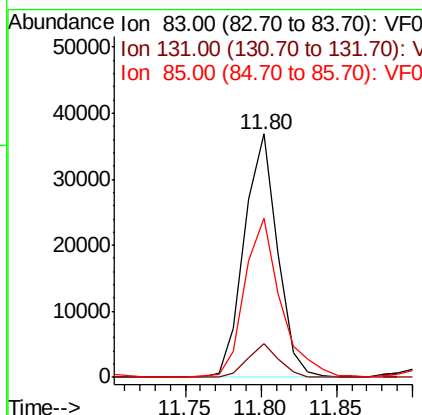
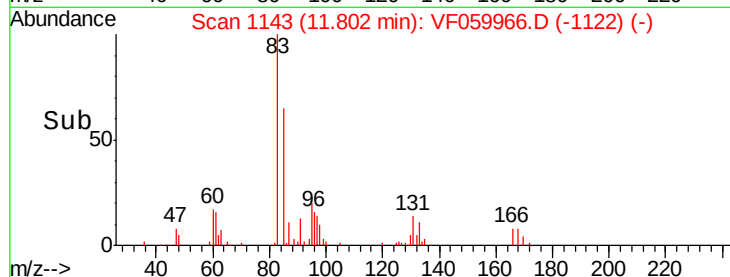
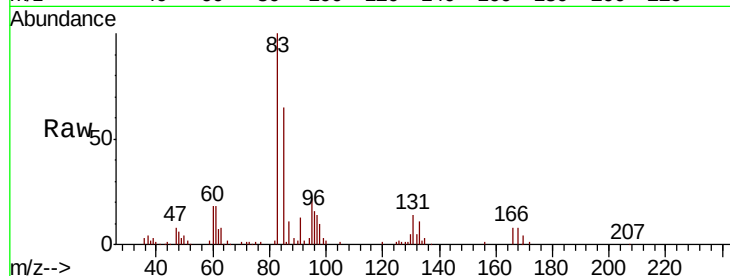
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	56551
Ion Ratio	Lower	Upper	
83	100		
131	13.7	6.3	19.1
85	65.2	33.9	101.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.81 ug/l

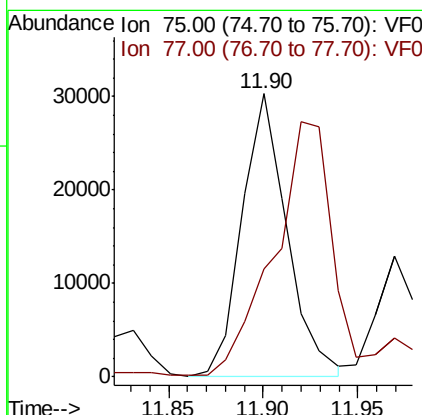
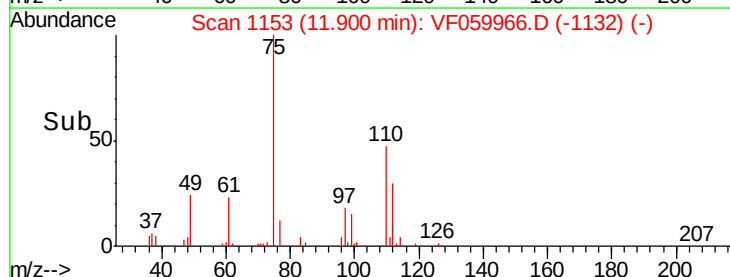
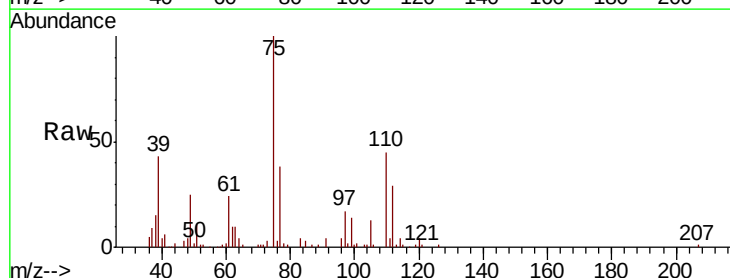
RT: 11.90 min Scan# 1153

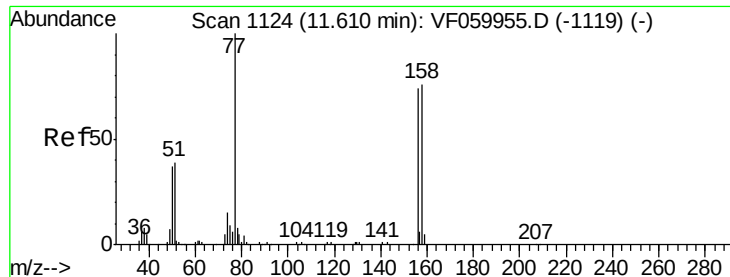
Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion:	75	Resp:	50176
Ion Ratio	Lower	Upper	
75	100		
77	38.1	16.6	49.7





#77

Bromobenzene

Concen: 48.17 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

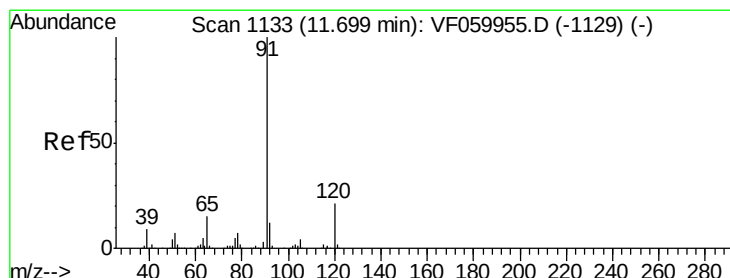
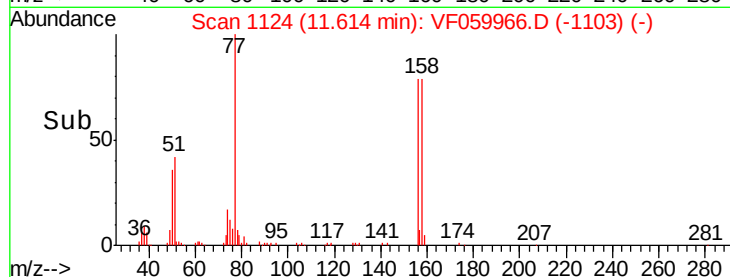
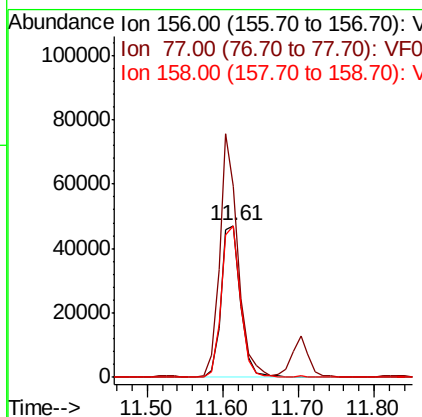
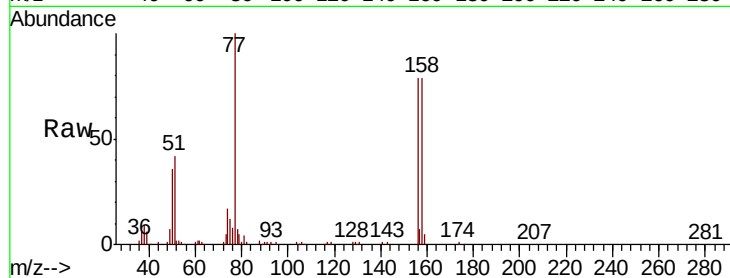
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	84471
Ion Ratio	Lower	Upper	
156	100		
77	125.9	67.8	203.2
158	99.9	51.7	155.2

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#78

n-propylbenzene

Concen: 48.09 ug/l

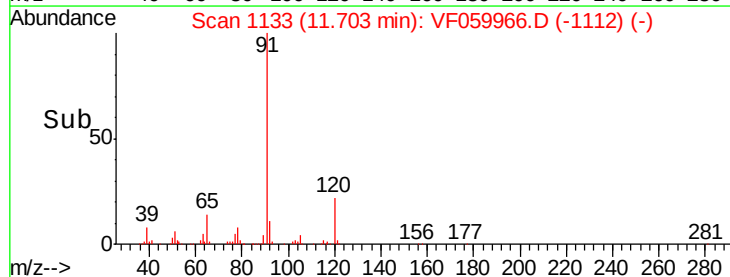
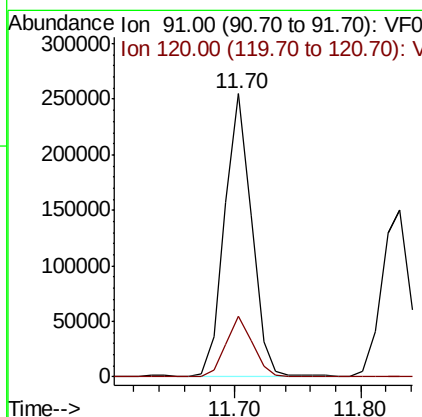
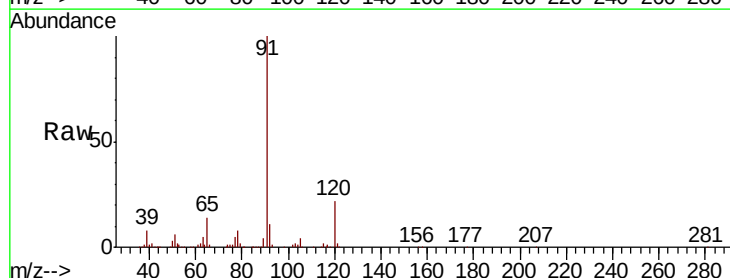
RT: 11.70 min Scan# 1133

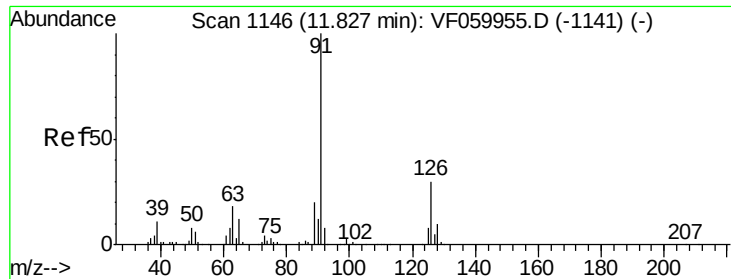
Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion:	91	Resp:	377056
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.4	31.1





#79

2-Chlorotoluene

Concen: 47.94 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 235541

Ion Ratio Lower Upper

91 100

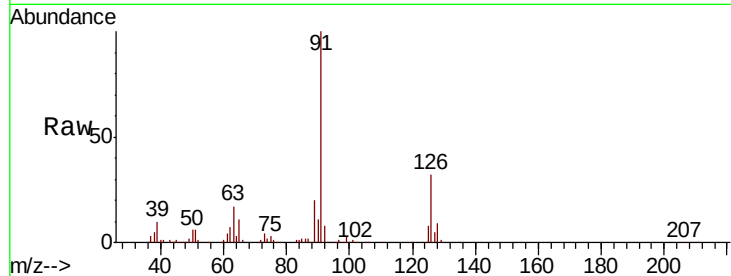
126 31.5 15.2 45.5

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Abundance Ion 91.00 (90.70 to 91.70): VF059955.D (-1141) (-)

Ion 126.00 (125.70 to 126.70): VF059955.D (-1141) (-)

150000

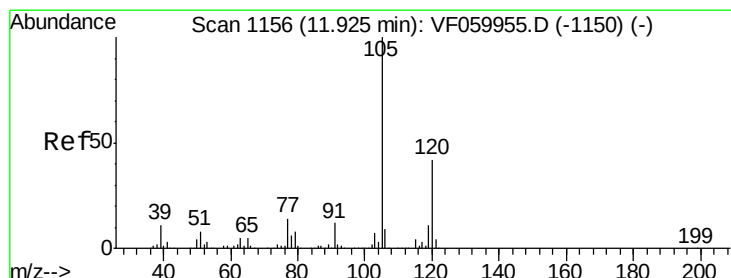
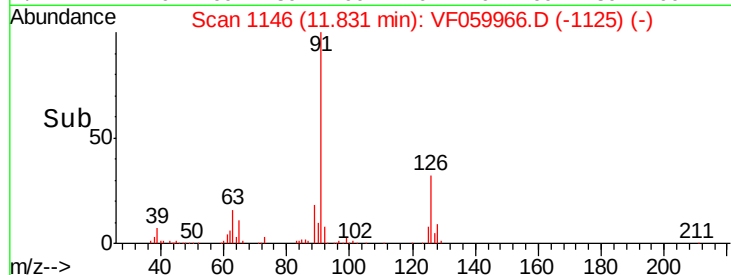
100000

50000

0

11.75 11.80 11.85 11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.89 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF059966.D

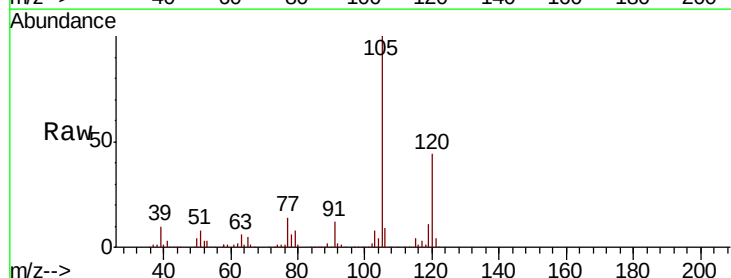
Acq: 15 Aug 2018 2:05

Tgt Ion: 105 Resp: 298011

Ion Ratio Lower Upper

105 100

120 43.7 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): VF059955.D (-1150) (-)

Ion 120.00 (119.70 to 120.70): VF059955.D (-1150) (-)

200000

150000

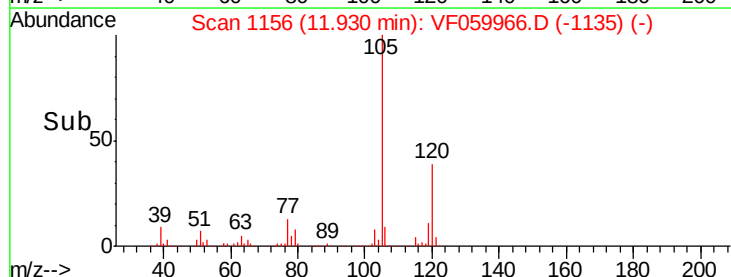
100000

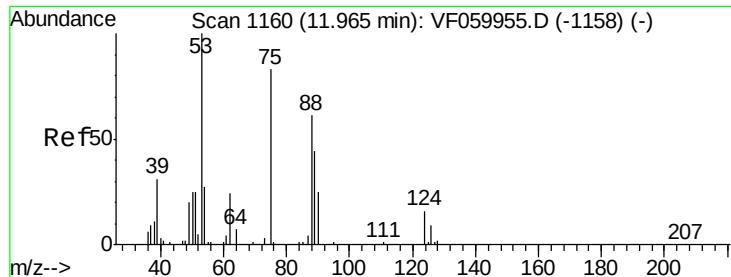
50000

0

11.80 11.90 12.00 12.10

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 59.55 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

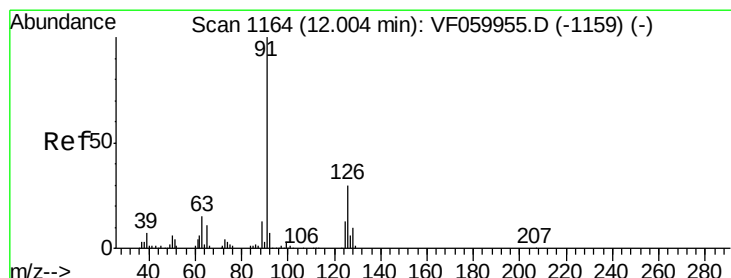
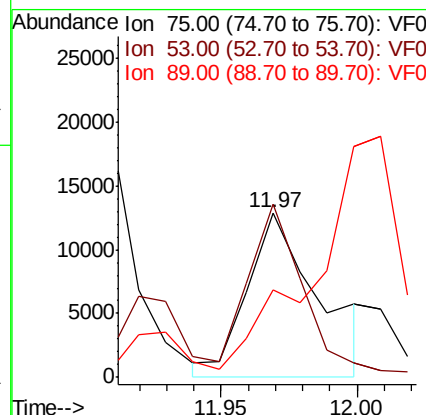
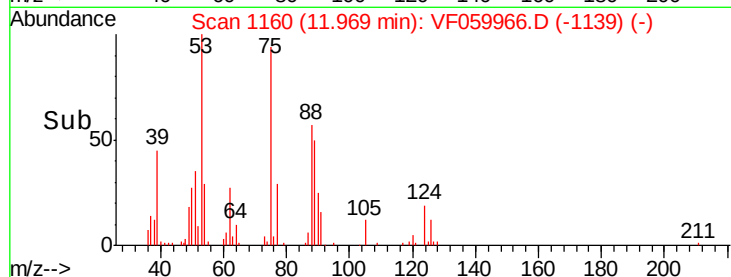
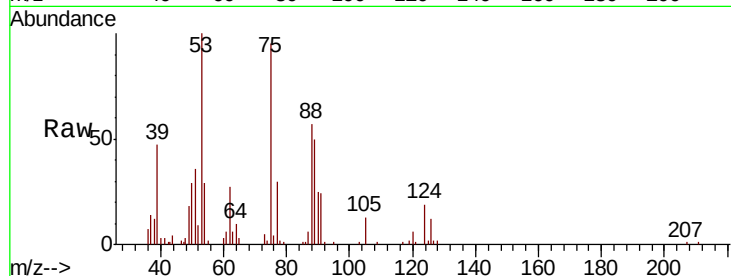
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	23571
Ion	Ratio	Lower	Upper
75	100		
53	105.2	97.1	145.7
89	53.0	43.6	65.4

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#82

4-Chlorotoluene

Concen: 45.10 ug/l

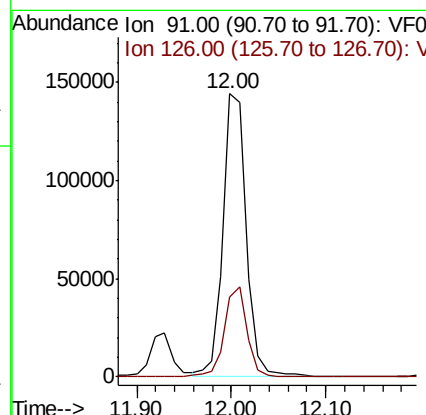
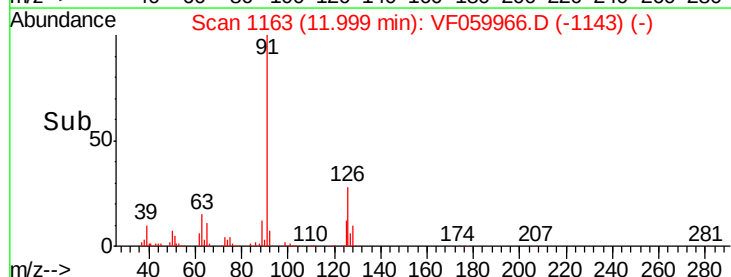
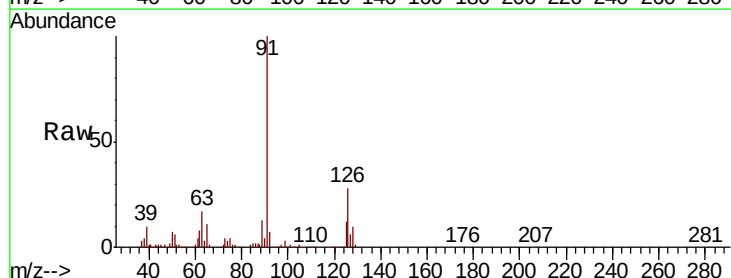
RT: 12.00 min Scan# 1163

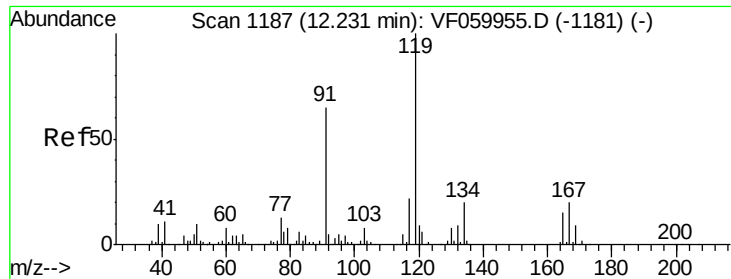
Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion:	91	Resp:	244489
Ion	Ratio	Lower	Upper
91	100		
126	28.1	15.3	45.8





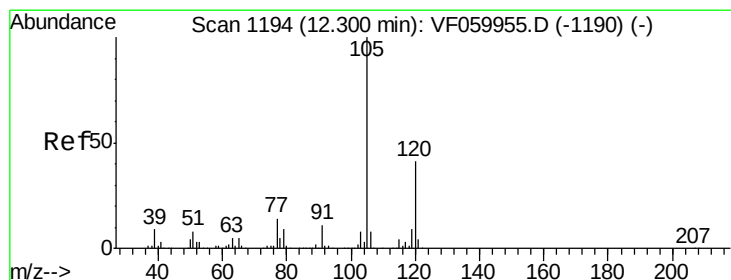
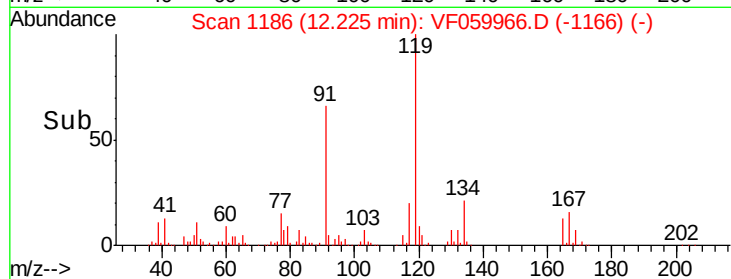
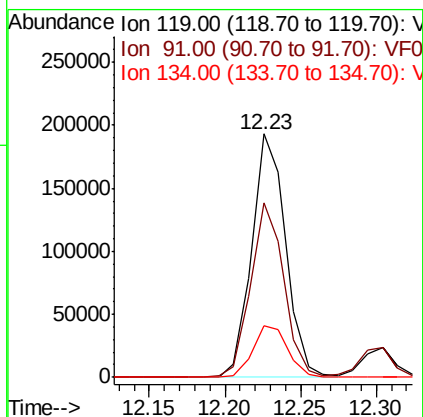
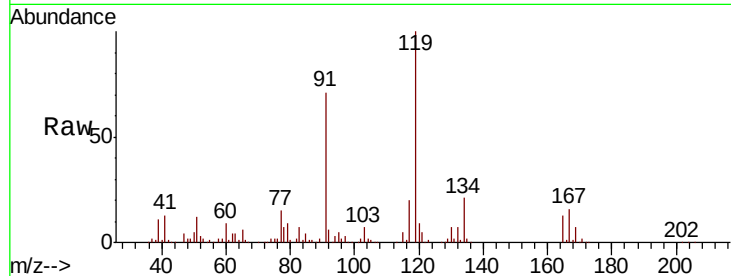
#83
 tert-Butylbenzene
 Concen: 49.25 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301902		
91	71.4	32.6	98.0	
134	21.3	10.1	30.3	

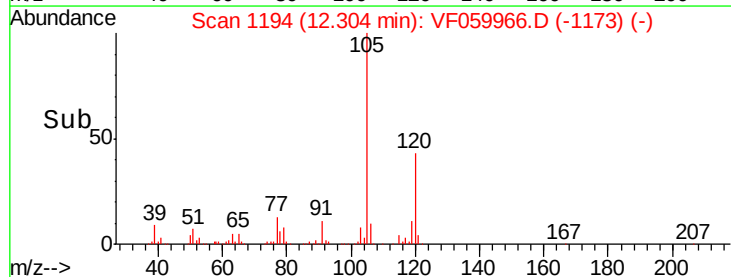
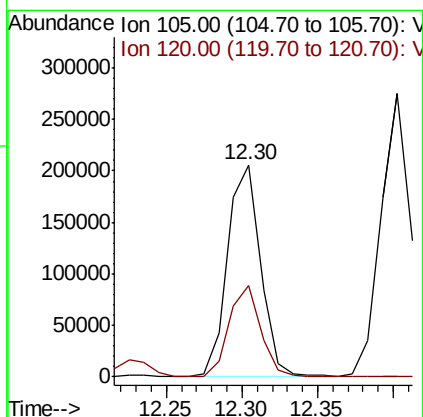
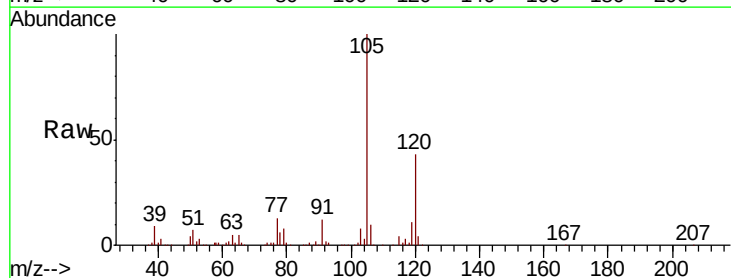
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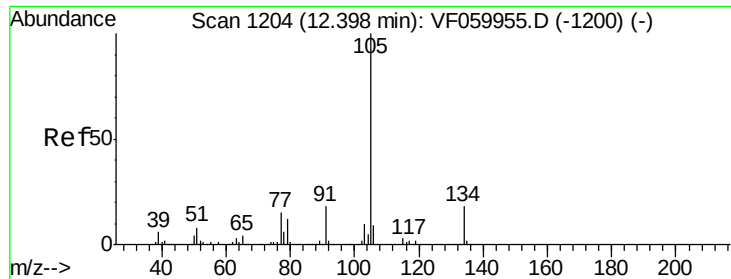
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.07 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	314032		
120	43.1	20.6	61.9	





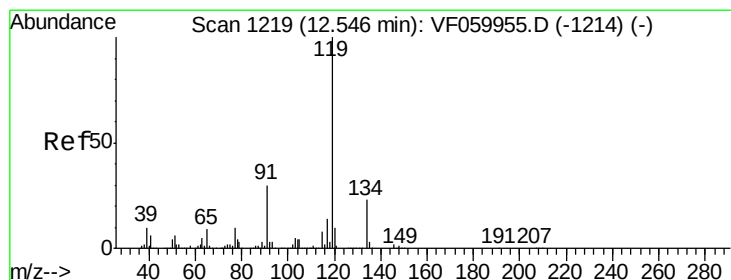
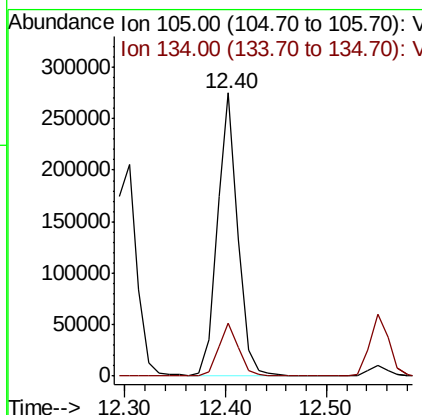
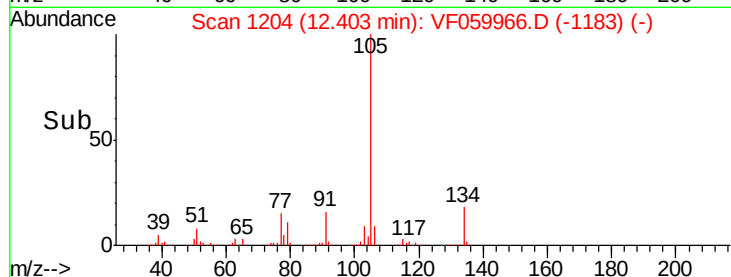
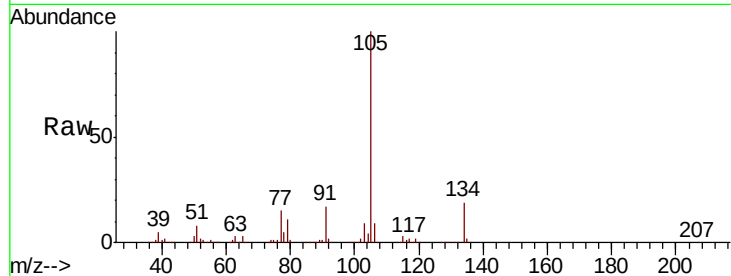
#85
 sec-Butylbenzene
 Concen: 49.44 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	386129		
134	18.5	8.9	26.7	

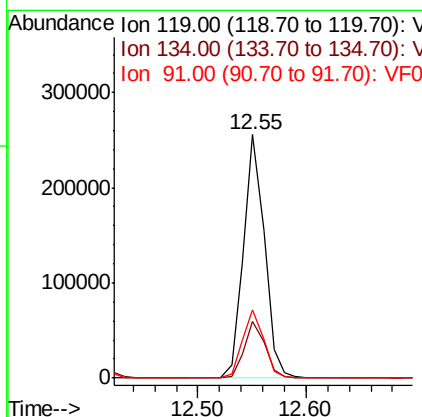
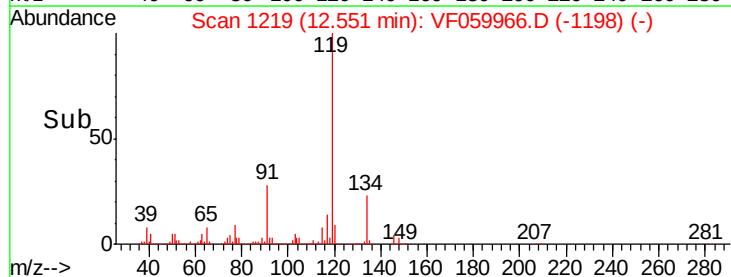
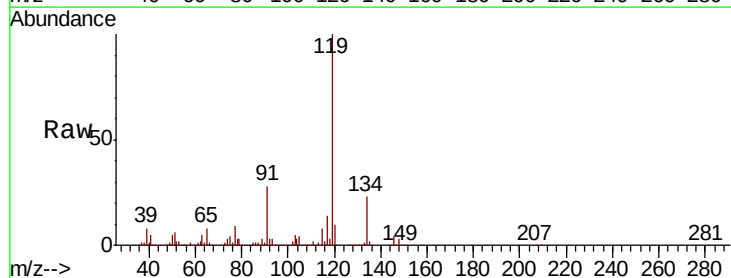
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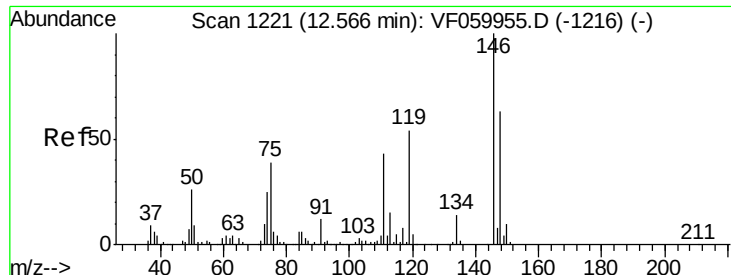
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#86
 p-Isopropyltoluene
 Concen: 50.40 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	346778		
134	23.3	11.4	34.2	
91	28.3	14.8	44.4	





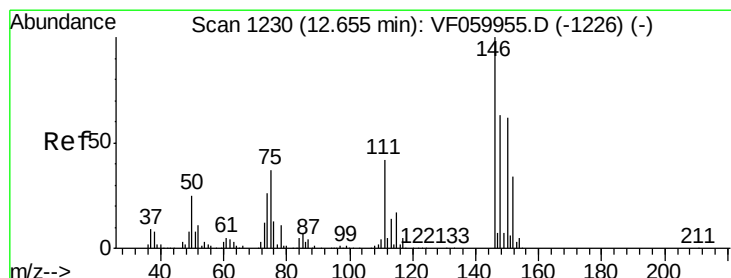
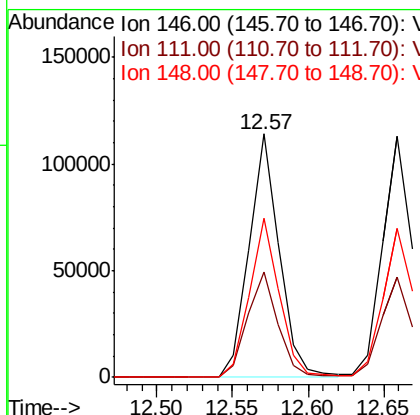
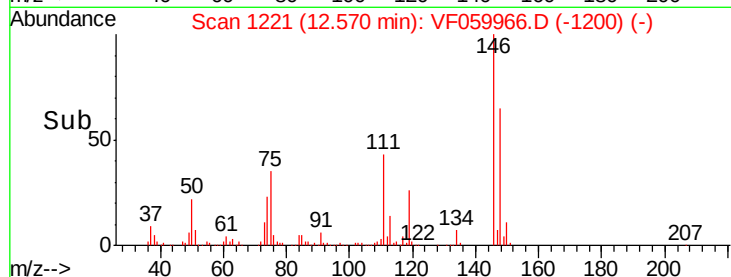
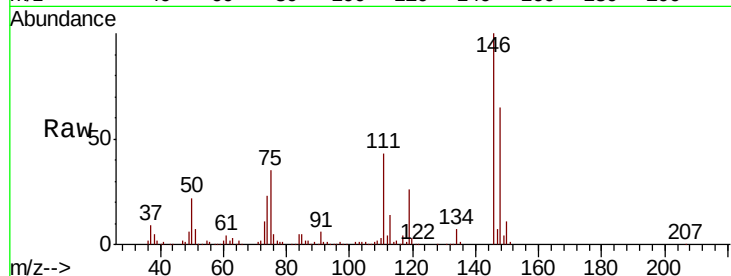
#87
 1,3-Dichlorobenzene
 Concen: 48.05 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	159800		
111	43.3	21.3	63.9	
148	65.2	31.4	94.3	

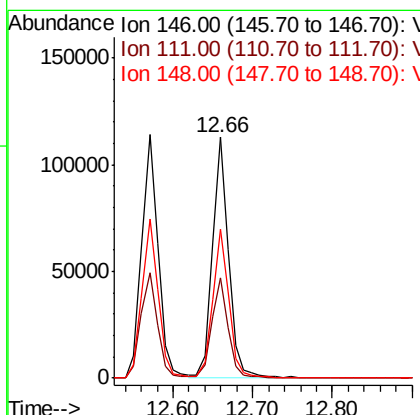
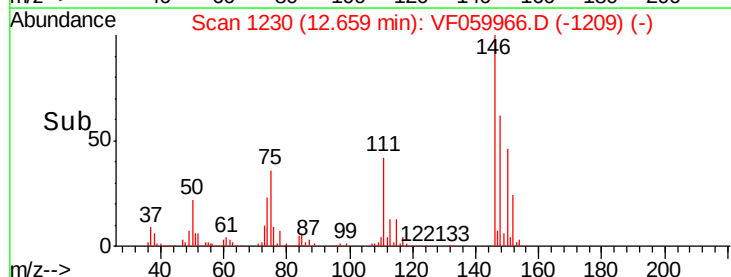
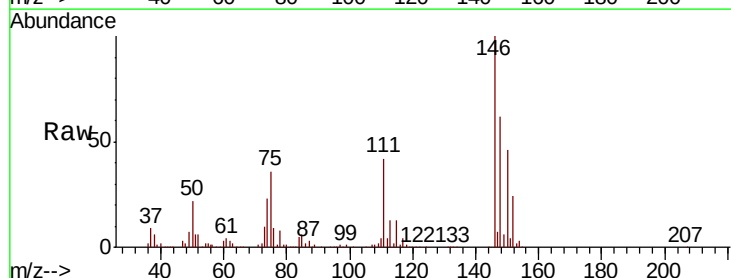
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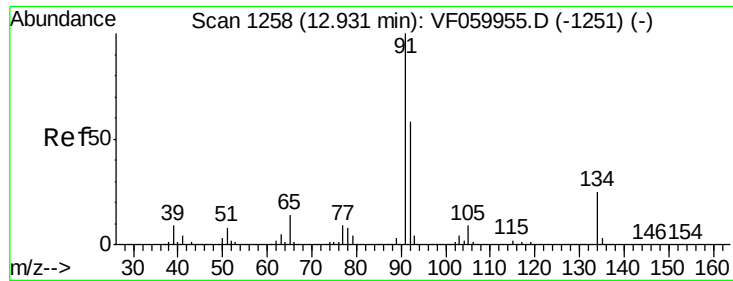
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#88
 1,4-Dichlorobenzene
 Concen: 49.26 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	161314		
111	41.8	21.1	63.1	
148	61.9	31.7	95.1	





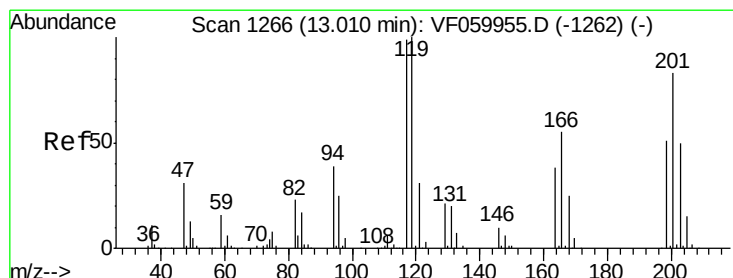
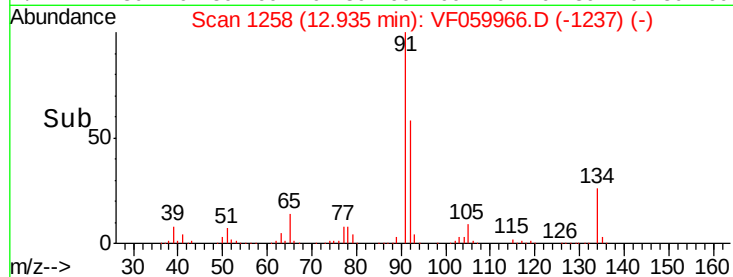
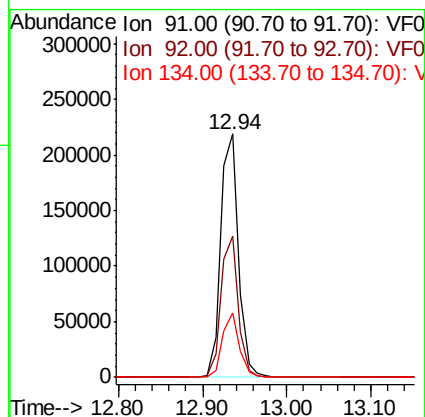
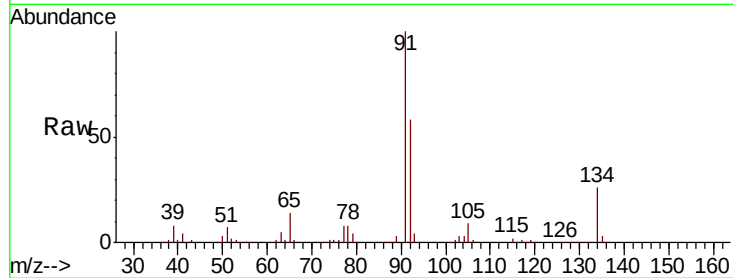
#89
n-Butylbenzene
Concen: 48.28 ug/l
RT: 12.94 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.1	29.2	87.6
134	26.4	12.8	38.3

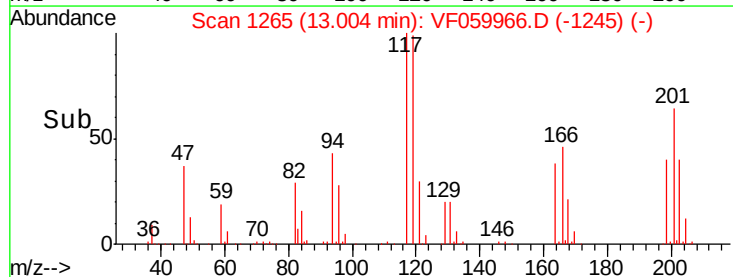
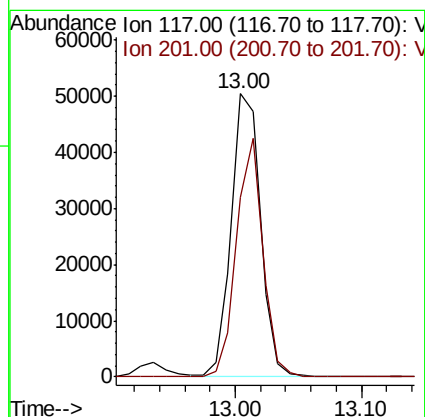
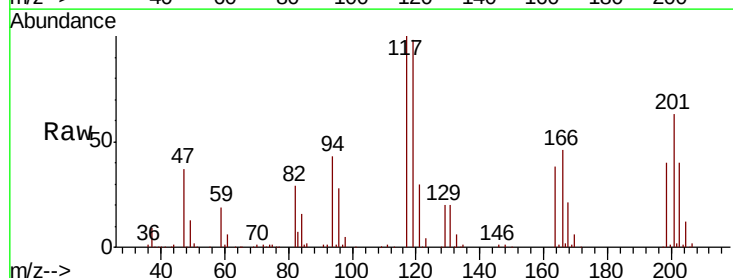
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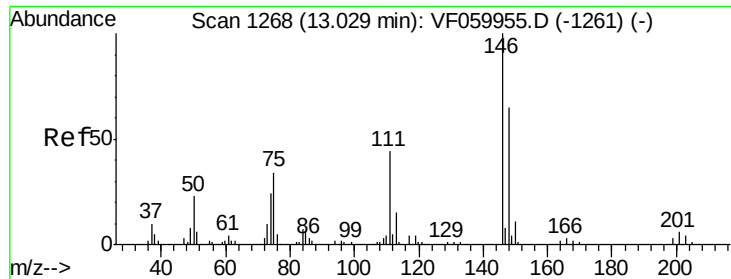
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#90
Hexachloroethane
Concen: 47.59 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VF059966.D
Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.6	41.8	125.3





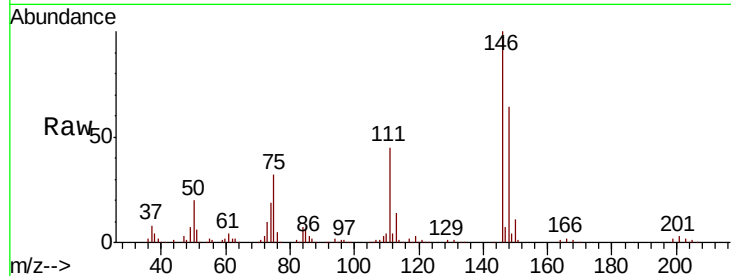
#91
 1,2-Dichlorobenzene
 Concen: 48.26 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	155694		
111	45.1	22.0	66.0	
148	63.8	32.4	97.0	

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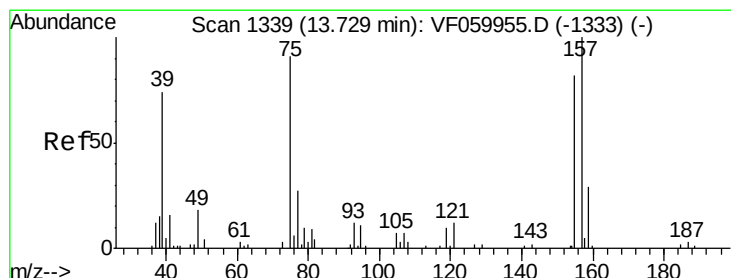
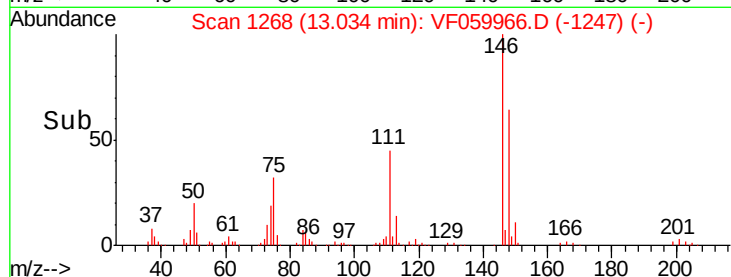
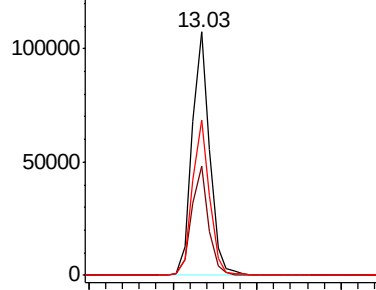


Abundance

Ion 146.00 (145.70 to 146.70): V

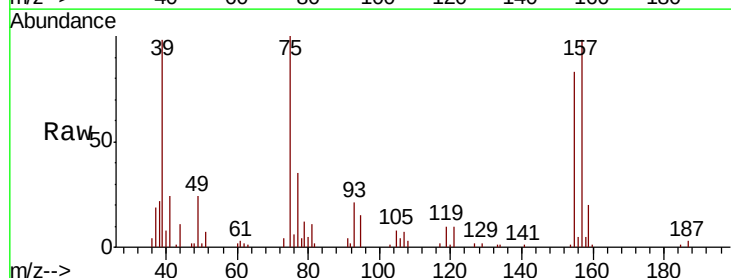
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.85 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15173		
155	82.9	44.6	134.0	
157	98.4	54.8	164.3	

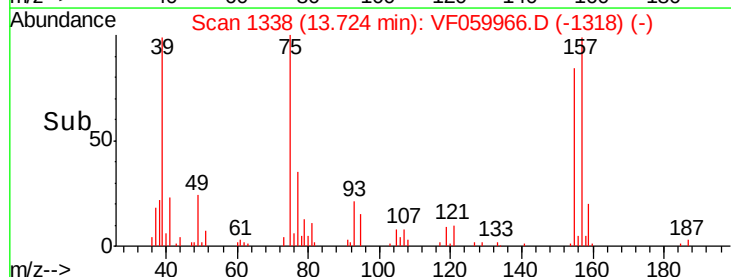
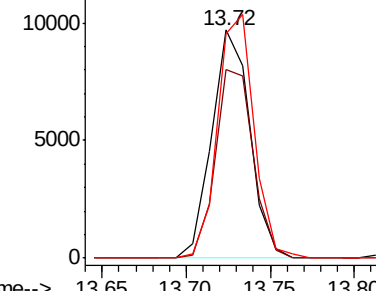


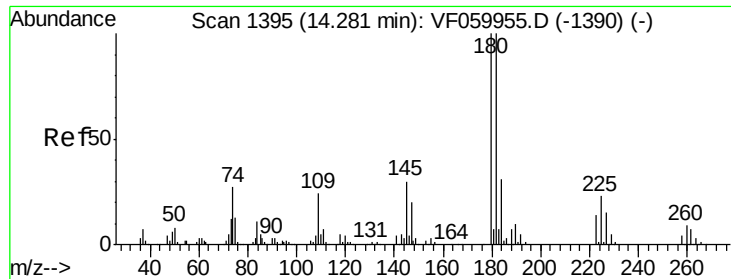
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





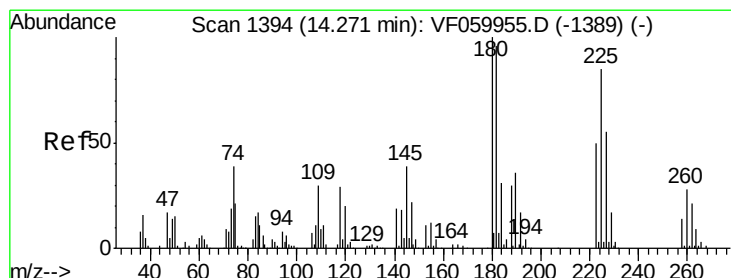
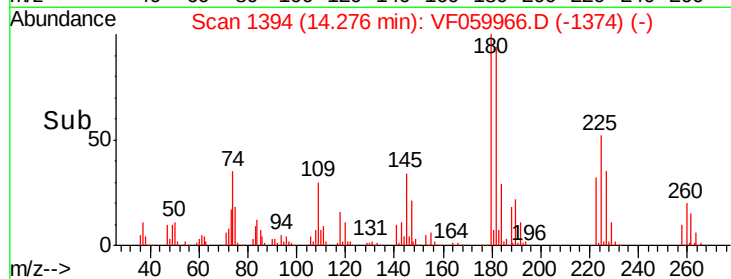
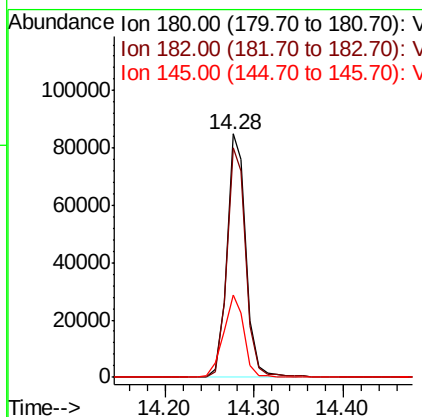
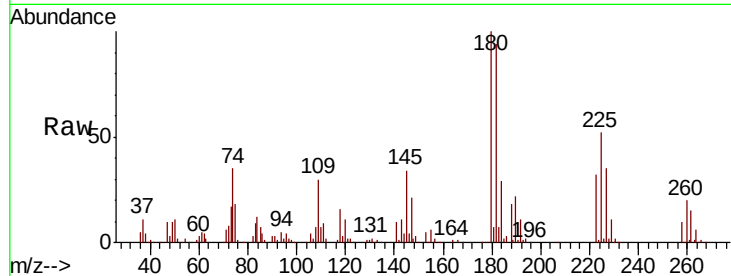
#93
 1,2,4-Trichlorobenzene
 Concen: 49.78 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.0	50.2	150.7	
145	33.9	14.9	44.9	

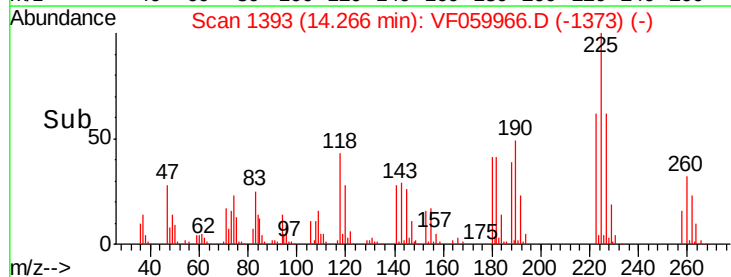
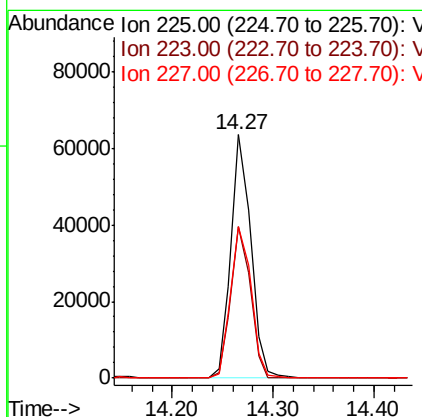
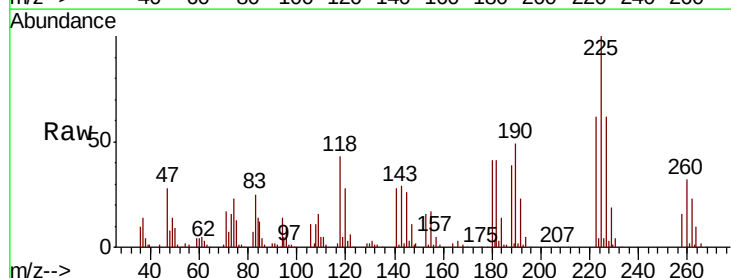
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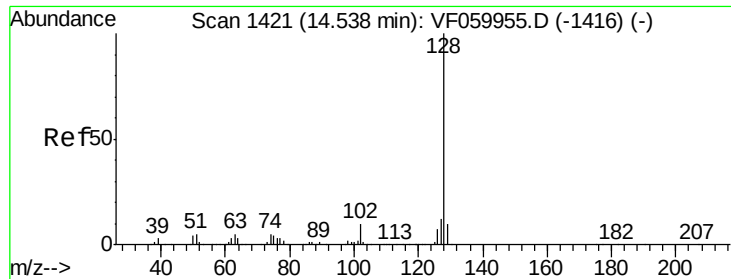
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#94
 Hexachlorobutadiene
 Concen: 47.36 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059966.D
 Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	29.6	88.8	
227	62.2	32.5	97.5	





#95

Naphthalene

Concen: 51.80 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.01 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Instrument :

MSVOA_F

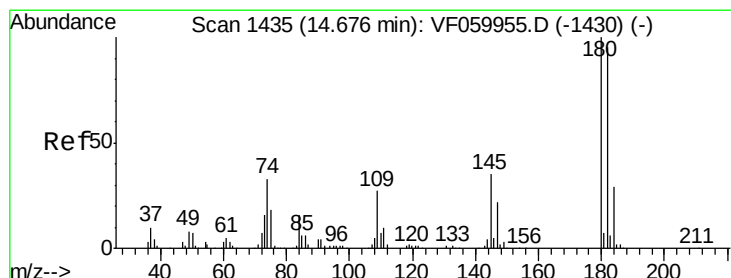
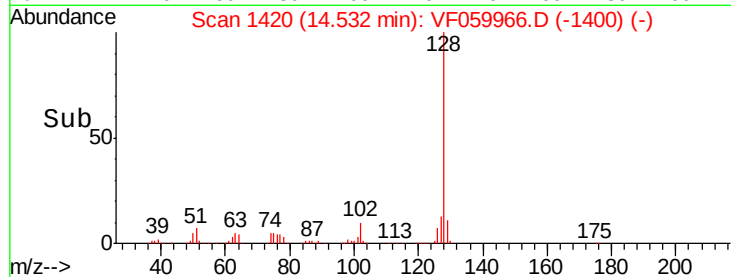
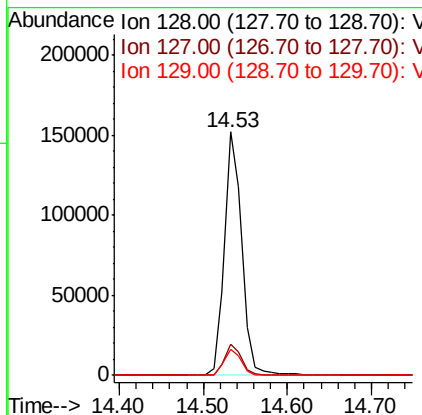
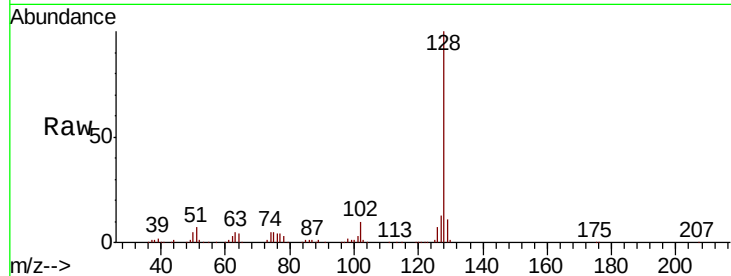
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	10.6	8.4	12.6

Manual Integrations
APPROVED

apatel
8/16/2018 12:19:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.92 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VF059966.D

Acq: 15 Aug 2018 2:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	32.2	17.6	52.8

