

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059821.D
 Acq On : 3 Aug 2018 1:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/3/2018 4:02:55 PM

Quant Time: Aug 03 08:06:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	200234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	289321	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	272894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	167321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	175455	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
35) Dibromofluoromethane	4.29	113	153978	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
50) Toluene-d8	7.71	98	368030	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	11.50	95	187044	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	101299	44.35	ug/l	91
3) Chloromethane	1.08	50	58192	50.05	ug/l	93
4) Vinyl Chloride	1.15	62	66481	53.82	ug/l	96
5) Bromomethane	1.34	94	48498	47.36	ug/l	92
6) Chloroethane	1.43	64	38346	50.85	ug/l #	86
7) Trichlorofluoromethane	1.53	101	157606m	42.15	ug/l	
8) Diethyl Ether	1.70	74	30639	47.92	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.90	101	88348	45.11	ug/l	94
10) Methyl Iodide	1.96	142	140656	51.07	ug/l	90
11) Tert butyl alcohol	2.68	59	35952	247.76	ug/l	97
12) 1,1-Dichloroethene	1.85	96	76474	49.32	ug/l	80
13) Acrolein	2.08	56	21854	285.14	ug/l	88
14) Allyl chloride	2.19	41	126975	51.29	ug/l #	77
15) Acrylonitrile	3.08	53	77356	332.67	ug/l	95
16) Acetone	2.34	43	131480m	203.13	ug/l	
17) Carbon Disulfide	1.89	76	149058	46.63	ug/l #	93
18) Methyl Acetate	2.44	43	54990m	55.25	ug/l	
19) Methyl tert-butyl Ether	2.53	73	231087	48.87	ug/l	99
20) Methylene Chloride	2.28	84	75392m	53.98	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	71303	52.66	ug/l	95
22) Diisopropyl ether	2.92	45	285151	54.46	ug/l	91
23) Vinyl Acetate	3.33	43	736216	273.51	ug/l	98
24) 1,1-Dichloroethane	3.00	63	178533	49.08	ug/l #	96
25) 2-Butanone	4.50	43	168726	233.57	ug/l #	74
26) 2,2-Dichloropropane	3.76	77	104916	40.46	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	98367	50.50	ug/l	98
28) Bromochloromethane	3.87	49	70536	56.25	ug/l	92
29) Tetrahydrofuran	4.25	42	75753	272.85	ug/l	93
30) Chloroform	4.03	83	247337	48.18	ug/l	99
31) Cyclohexane	3.86	56	99052	56.74	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	183799	46.16	ug/l	96
36) 1,1-Dichloropropene	4.46	75	150423	51.47	ug/l	98
37) Ethyl Acetate	4.29	43	84564	59.45	ug/l #	91
38) Carbon Tetrachloride	4.16	117	190032m	41.31	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	118288	53.25	ug/l	96
40) Benzene	4.80	78	281672	48.21	ug/l	99
41) Methacrylonitrile	4.91	41	38560	53.12	ug/l #	92
42) 1,2-Dichloroethane	5.11	62	175088	42.82	ug/l	98
43) Isopropyl Acetate	7.11	43	86650	50.09	ug/l #	93
44) Trichloroethene	5.67	130	100127	51.22	ug/l	81
45) 1,2-Dichloropropane	6.40	63	79931	51.80	ug/l	95
46) Dibromomethane	6.25	93	69233	47.26	ug/l	93
47) Bromodichloromethane	6.55	83	186184	46.67	ug/l	99
48) Methyl methacrylate	6.87	41	64030	49.21	ug/l	93
49) 1,4-Dioxane	6.87	88	9997	1181.95	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	345927	262.86	ug/l	95
52) Toluene	7.78	92	200345	51.59	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	149081	43.07	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	162709	48.53	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	77242	48.81	ug/l	92
56) Ethyl methacrylate	8.75	69	81147	49.17	ug/l	96
57) 1,3-Dichloropropane	8.99	76	133172	49.06	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.78	63	41726	218.99	ug/l	100
59) 2-Hexanone	9.62	43	237307	225.02	ug/l	96
60) Dibromochloromethane	8.86	129	129283	46.30	ug/l	99
61) 1,2-Dibromoethane	9.13	107	88103	47.68	ug/l	99
64) Tetrachloroethene	8.30	164	107236	59.01	ug/l	94
65) Chlorobenzene	9.94	112	266742	48.86	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	122865	48.21	ug/l	97
67) Ethyl Benzene	10.03	91	469116	49.67	ug/l	99
68) m/p-Xylenes	10.26	106	320769	109.53	ug/l	99
69) o-Xylene	10.82	106	176131	50.61	ug/l	92
70) Styrene	10.90	104	264450	50.16	ug/l	96
71) Bromoform	10.88	173	85389	51.42	ug/l	98
73) Isopropylbenzene	11.23	105	563687	51.34	ug/l	98
74) N-amyl acetate	11.46	43	138783	50.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	114773	55.54	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	91976	52.34	ug/l	97
77) Bromobenzene	11.59	156	138999	48.48	ug/l	92
78) n-propylbenzene	11.68	91	635255	57.17	ug/l	100
79) 2-Chlorotoluene	11.81	91	389661	55.50	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	485013	56.16	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	36740m	50.48	ug/l	
82) 4-Chlorotoluene	11.99	91	403373	53.61	ug/l	99
83) tert-Butylbenzene	12.21	119	497905	50.52	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	488536	55.81	ug/l	97
85) sec-Butylbenzene	12.38	105	643756	58.30	ug/l	96
86) p-Isopropyltoluene	12.54	119	545147	56.49	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	258790	55.76	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	254803	54.07	ug/l	97
89) n-Butylbenzene	12.91	91	513895	56.08	ug/l	98
90) Hexachloroethane	12.99	117	139741	50.46	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	255653	56.38	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27680	54.79	ug/l	82

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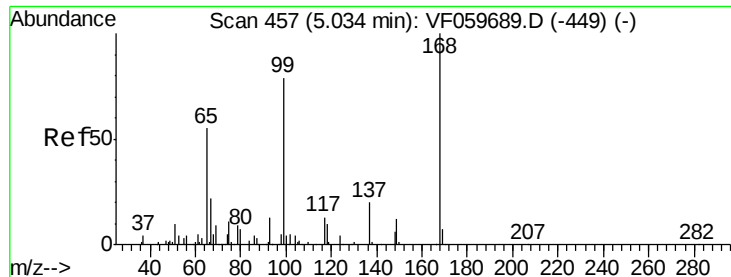
Manual Integrations
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8/3/2018 4:02:55 PM

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	190690	52.57	ug/l	94
94) Hexachlorobutadiene	14.25	225	132005	48.10	ug/l	98
95) Naphthalene	14.52	128	379336	52.58	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	191984	48.15	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 200234

Ion Ratio Lower Upper

168 100

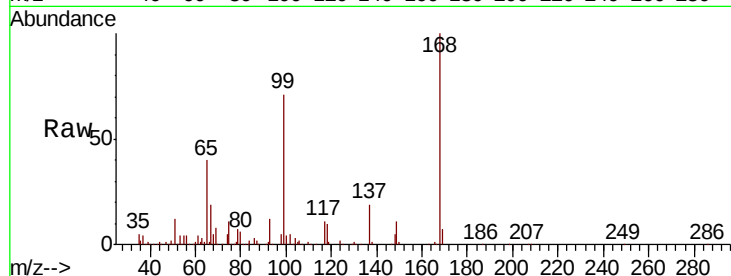
99 71.0 63.3 94.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

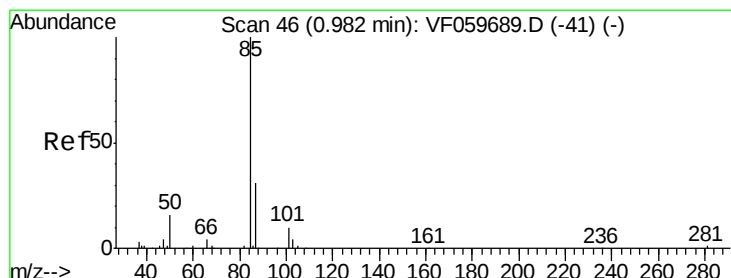
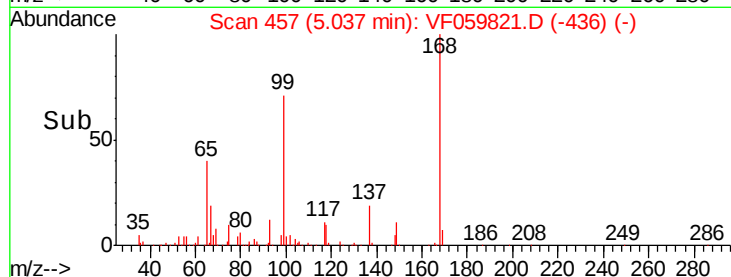
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 44.35 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059821.D

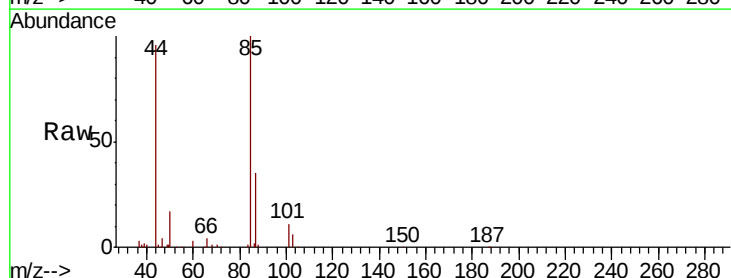
Acq: 3 Aug 2018 1:39

Tgt Ion: 85 Resp: 101299

Ion Ratio Lower Upper

85 100

87 35.2 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

30000

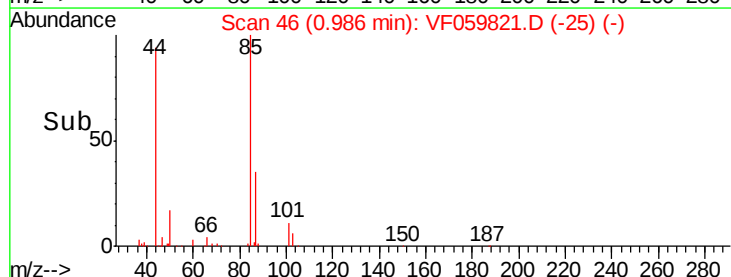
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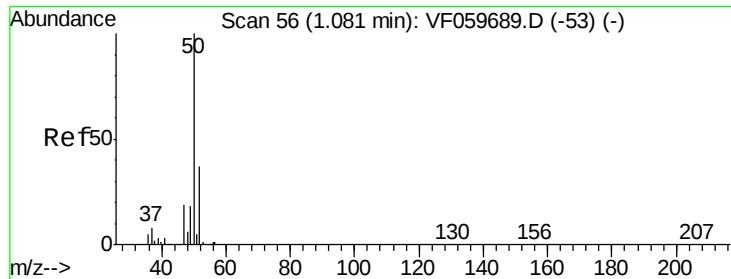
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 50.05 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 58192

Ion Ratio Lower Upper

50 100

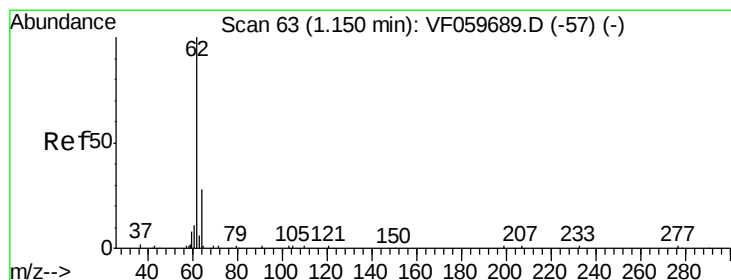
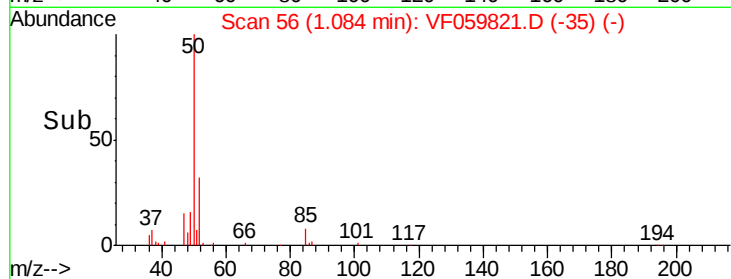
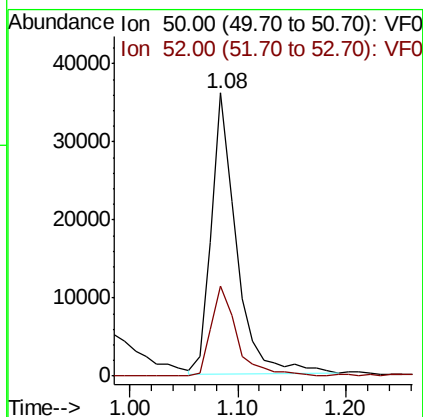
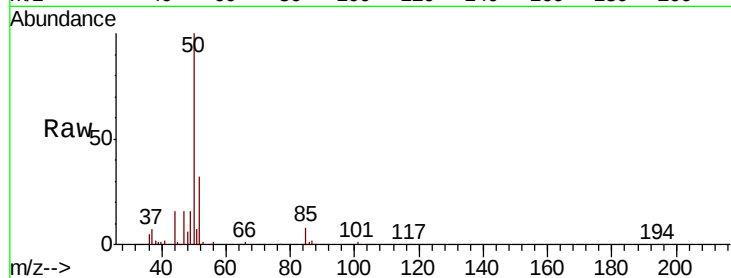
52 32.0 29.1 43.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.82 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059821.D

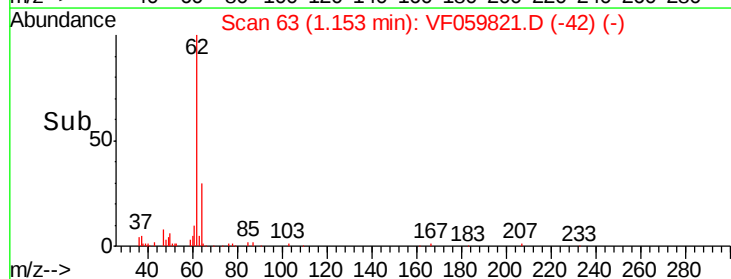
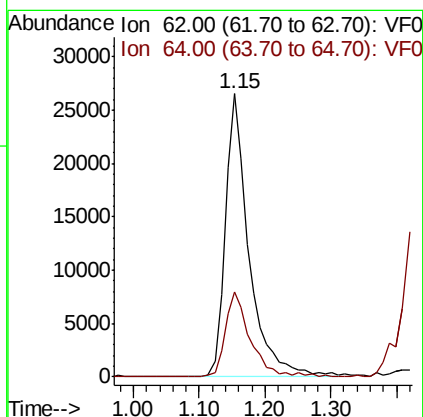
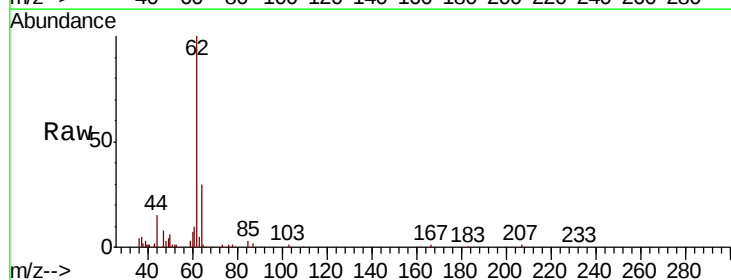
Acq: 3 Aug 2018 1:39

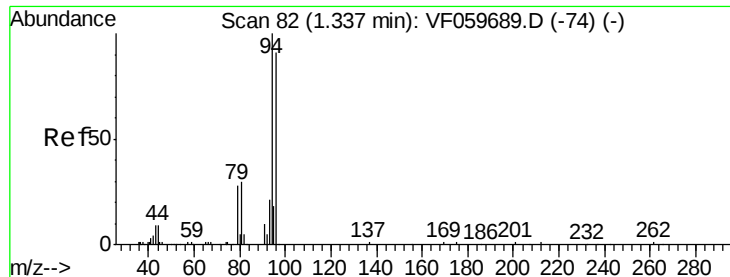
Tgt Ion: 62 Resp: 66481

Ion Ratio Lower Upper

62 100

64 30.2 22.6 33.8





#5

Bromomethane

Concen: 47.36 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 48498

Ion Ratio Lower Upper

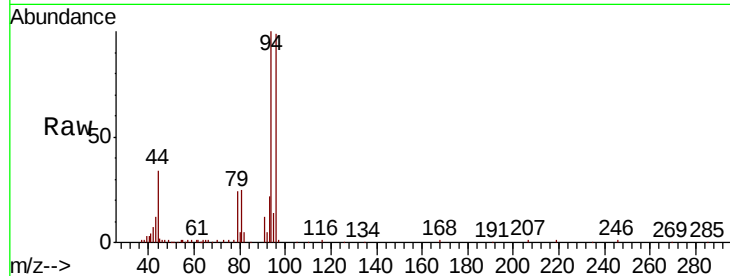
94 100

96 99.4 73.6 110.4

Manual Integrations
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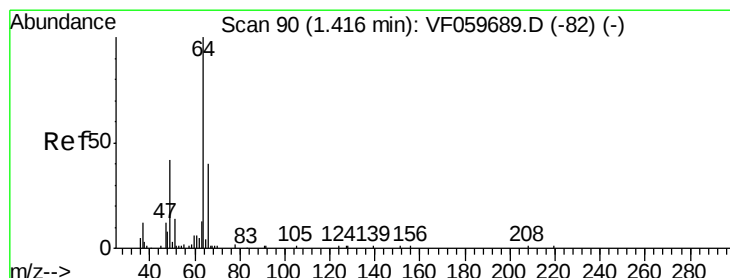
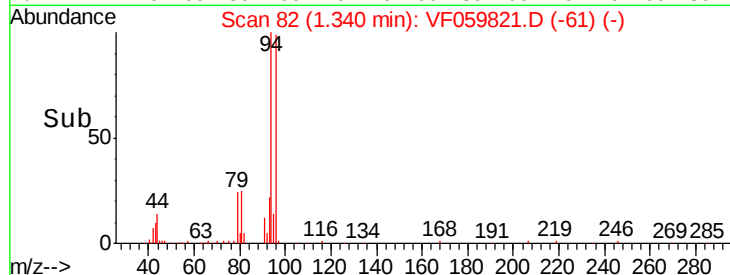
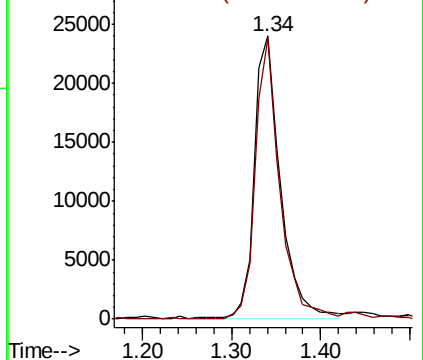
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 50.85 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059821.D

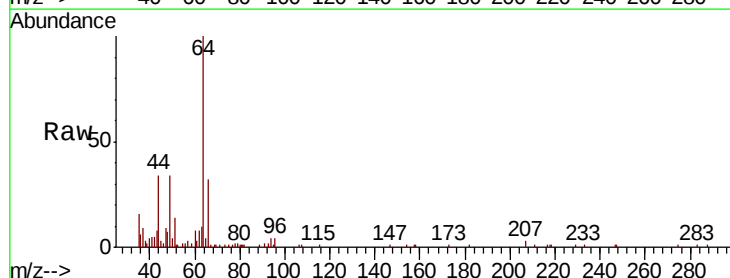
Acq: 3 Aug 2018 1:39

Tgt Ion: 64 Resp: 38346

Ion Ratio Lower Upper

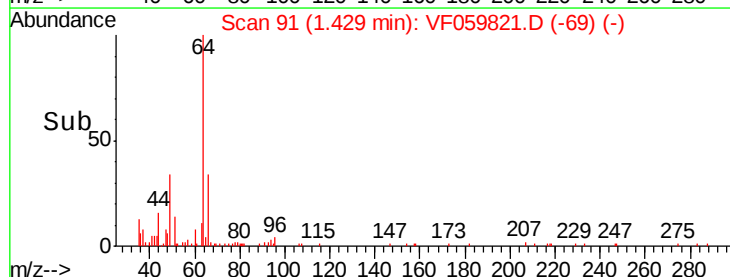
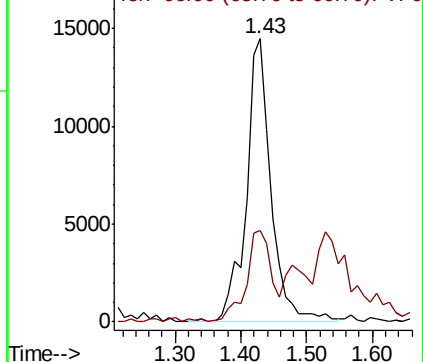
64 100

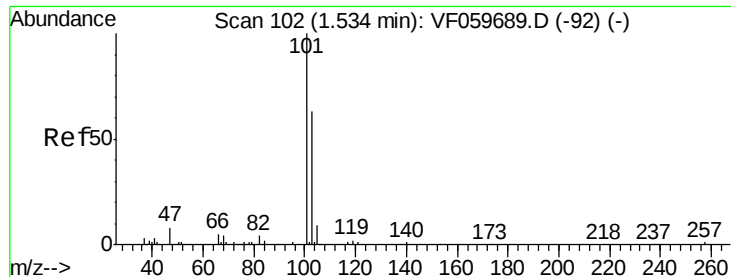
66 32.1 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

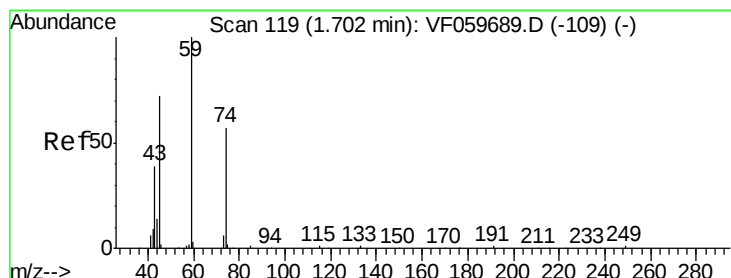
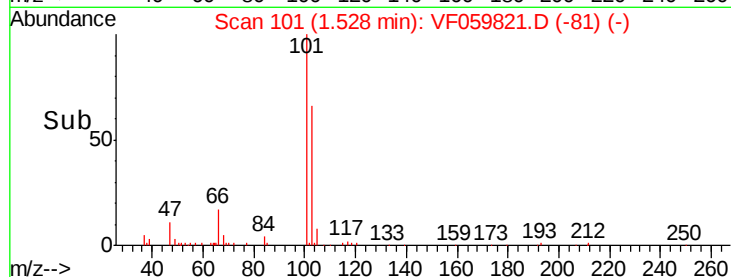
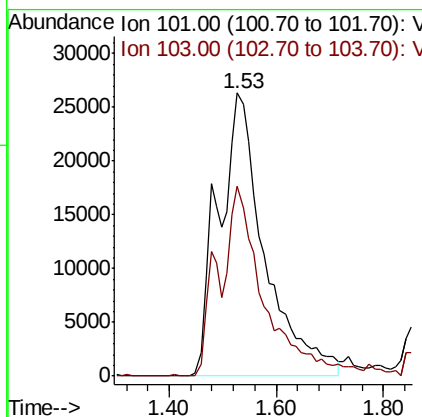
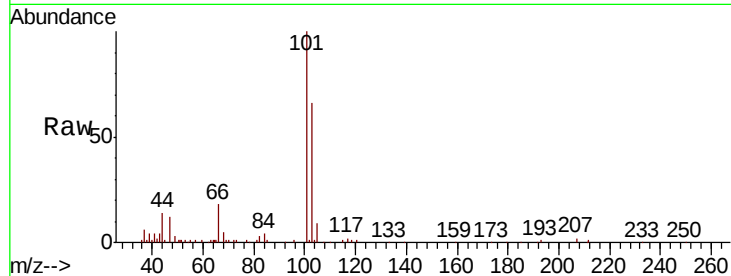
Trichlorofluoromethane
Concen: 42.15 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.8	76.2

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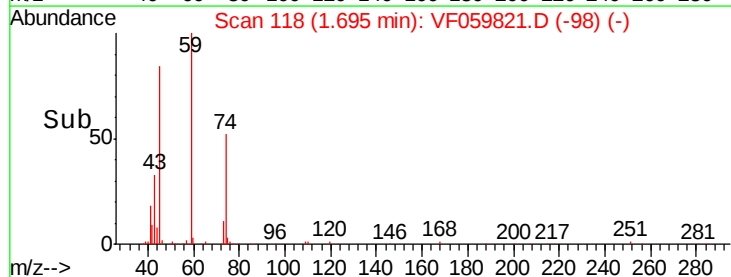
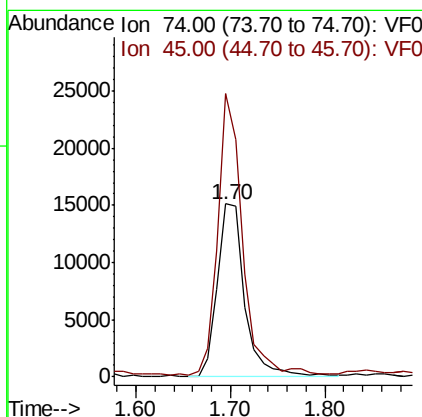
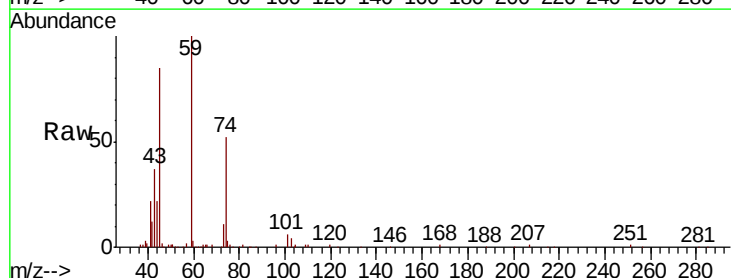
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8/3/2018 4:02:55 PM

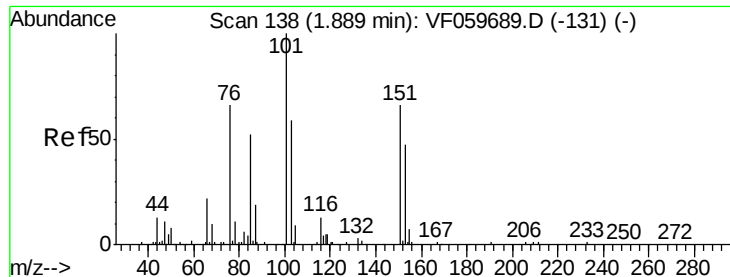


#8

Diethyl Ether
Concen: 47.92 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	163.7	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.11 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

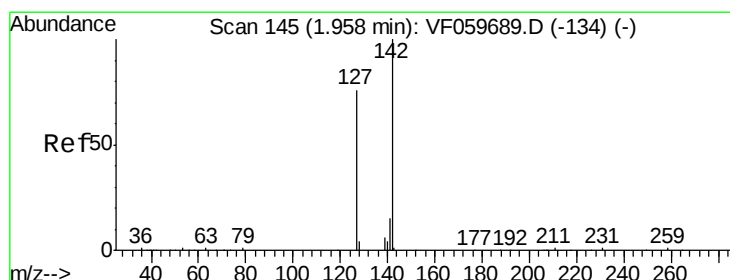
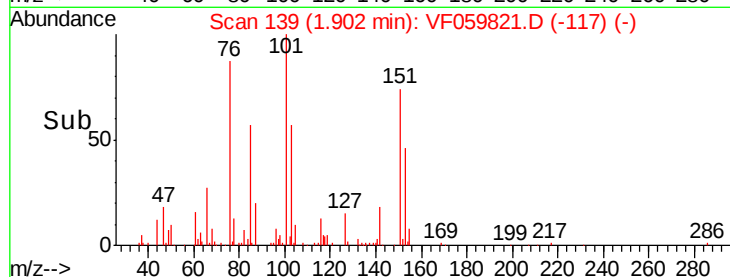
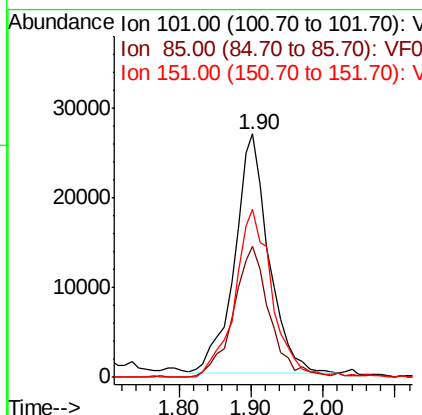
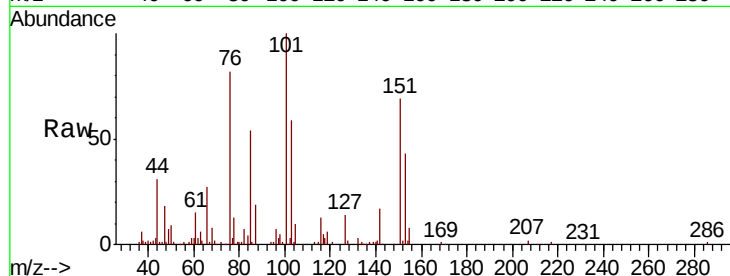
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	88348
Ion Ratio	Lower	Upper	
101	100		
85	55.4	40.7	61.1
151	68.9	51.4	77.2

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#10

Methyl Iodide

Concen: 51.07 ug/l

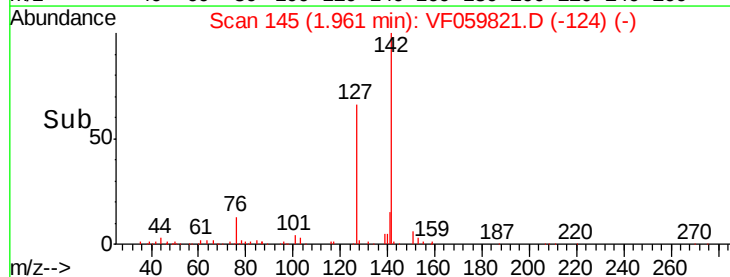
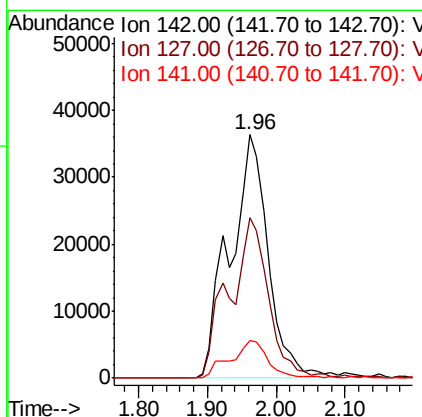
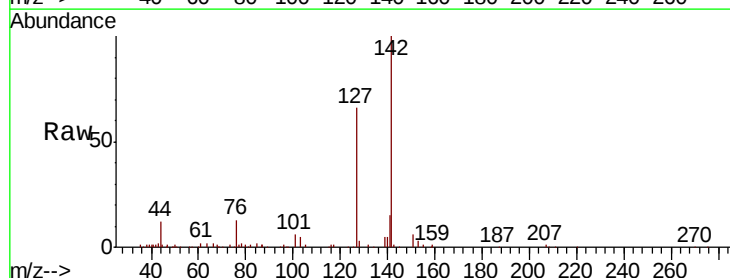
RT: 1.96 min Scan# 145

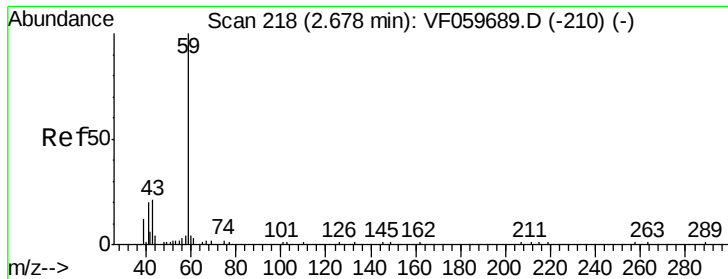
Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Tgt Ion:	142	Resp:	140656
Ion Ratio	Lower	Upper	
142	100		
127	65.7	60.6	91.0
141	15.4	12.0	18.0





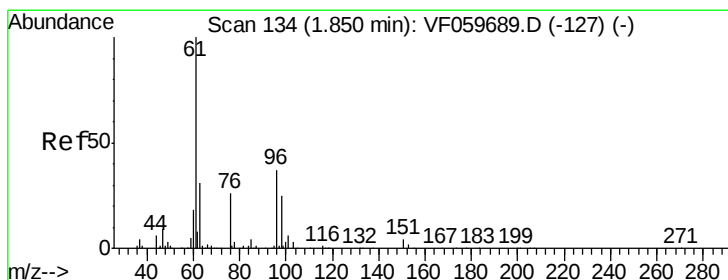
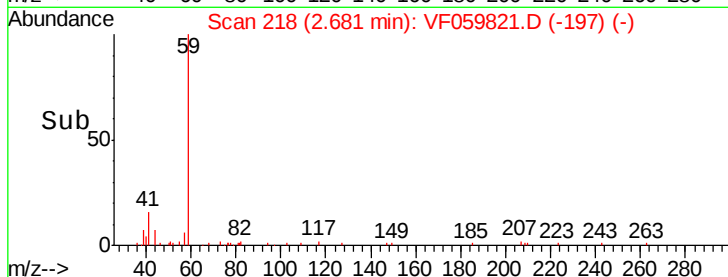
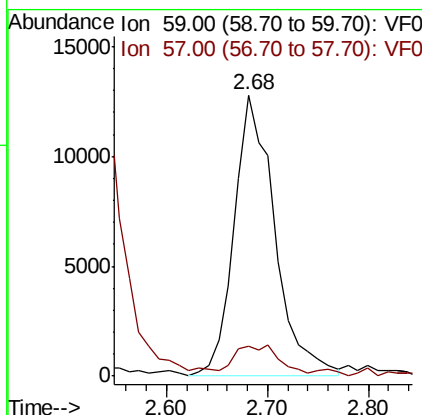
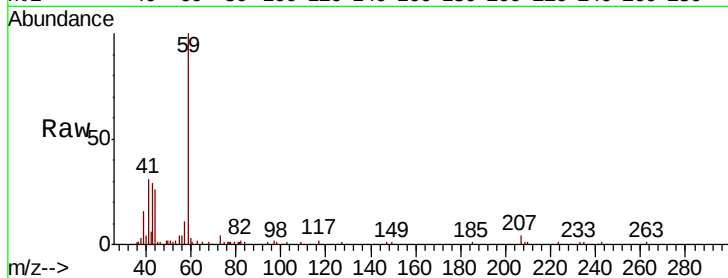
#11
Tert butyl alcohol
Concen: 247.76 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.6	11.4

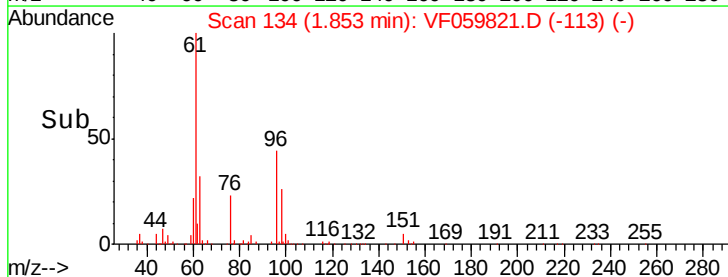
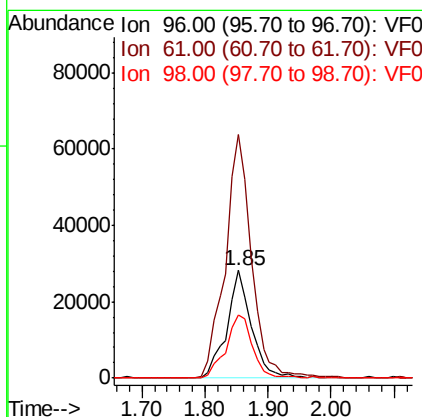
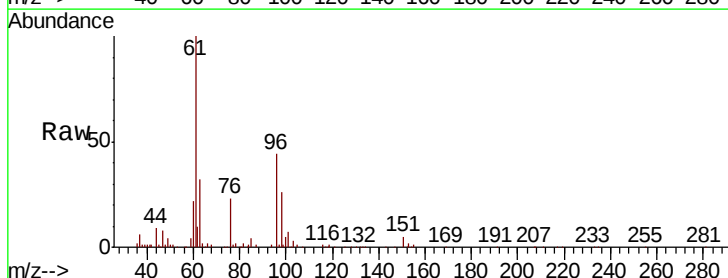
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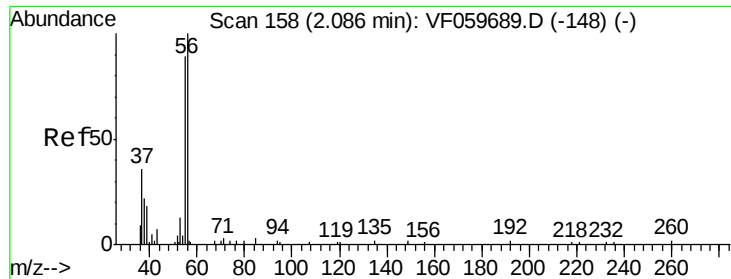
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#12
1,1-Dichloroethene
Concen: 49.32 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	226.9	215.1	322.7
98	59.4	54.3	81.5





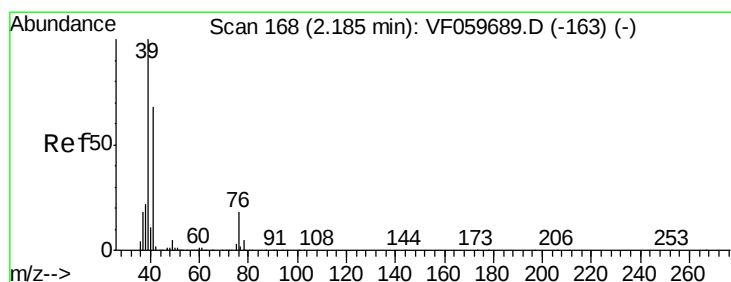
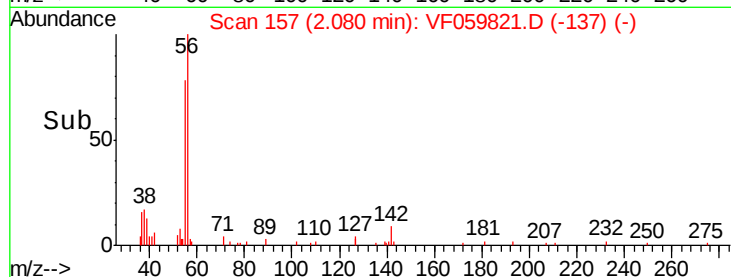
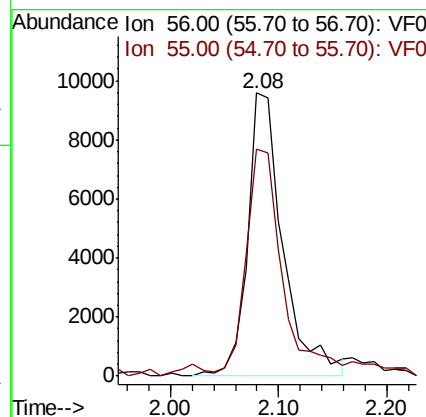
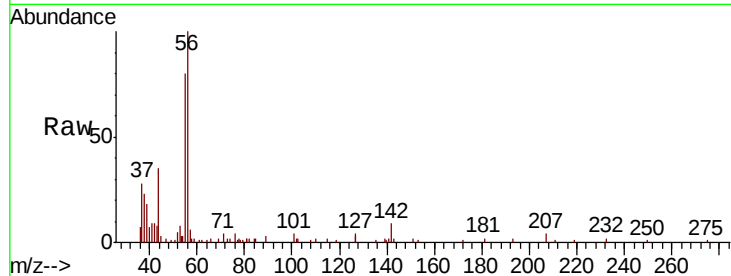
#13
Acrolein
Concen: 285.14 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	80.3	73.2	109.8

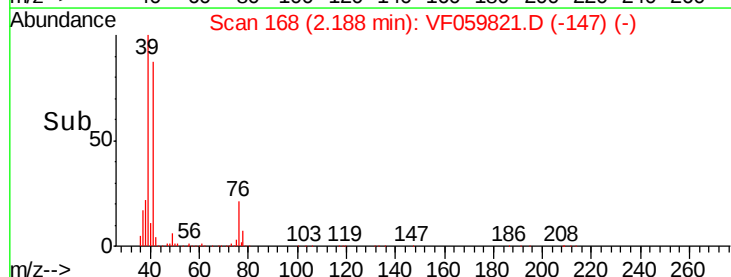
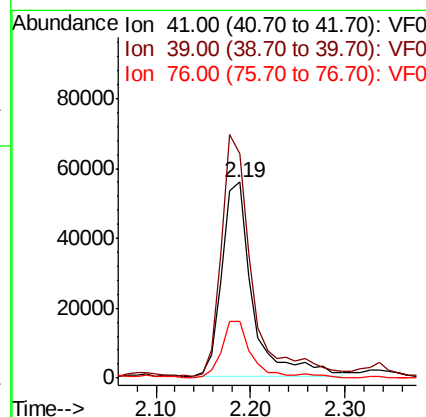
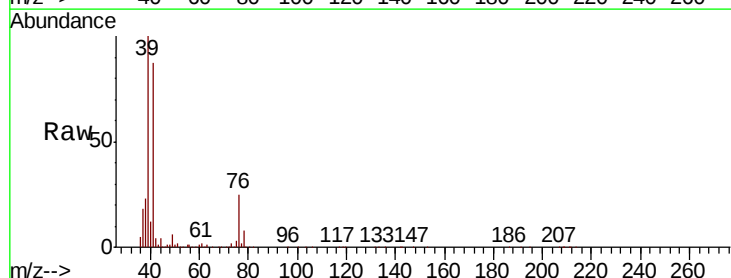
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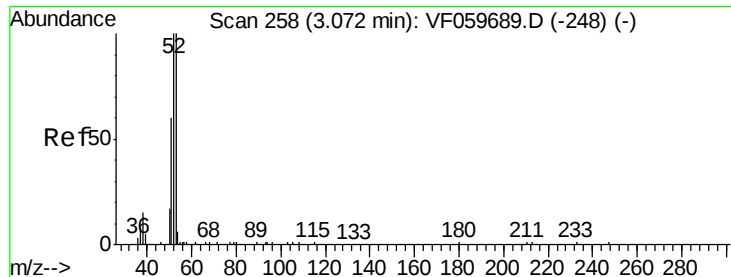
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#14
Allyl chloride
Concen: 51.29 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
41	100		
39	114.6	118.1	177.1#
76	28.9	22.0	33.0





#15

Acrylonitrile

Concen: 332.67 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

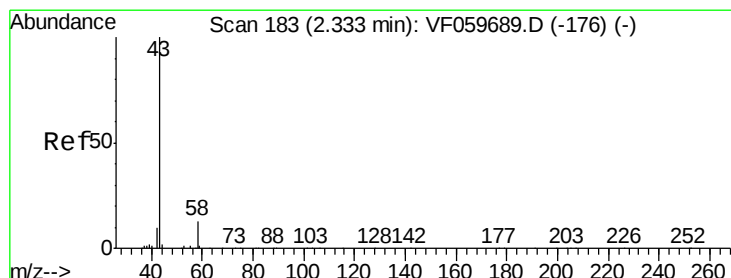
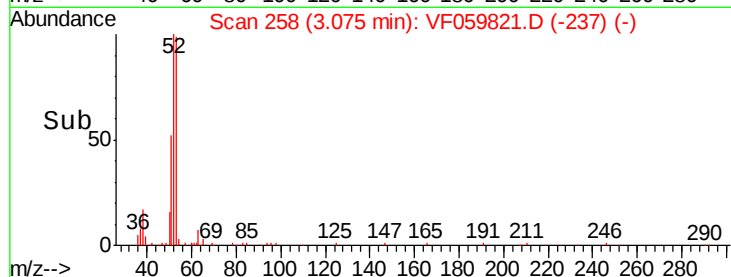
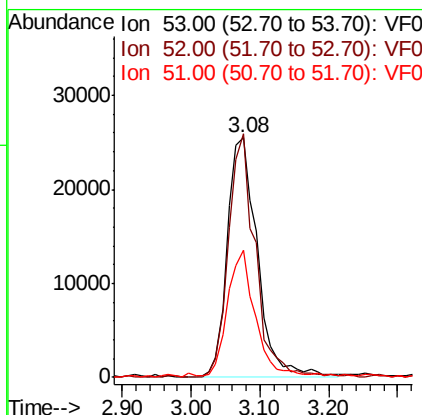
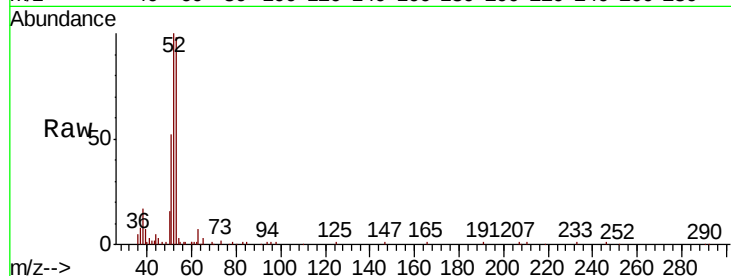
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	77356
Ion	Ratio	Lower	Upper
53	100		
52	101.6	80.3	120.5
51	53.3	49.4	74.0

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#16

Acetone

Concen: 203.13 ug/l m

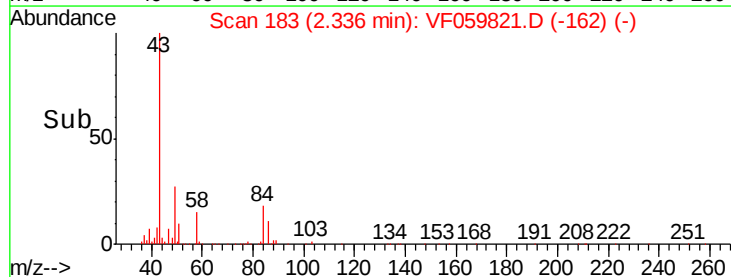
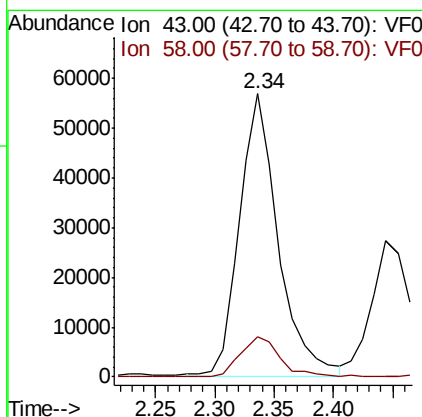
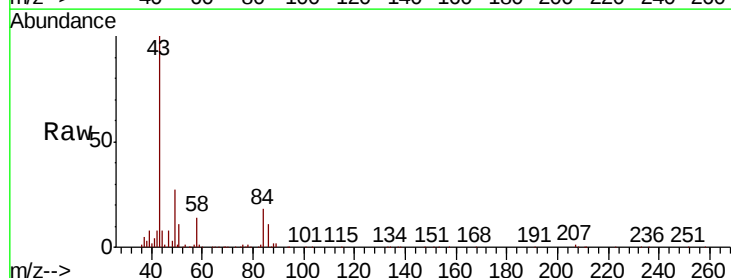
RT: 2.34 min Scan# 183

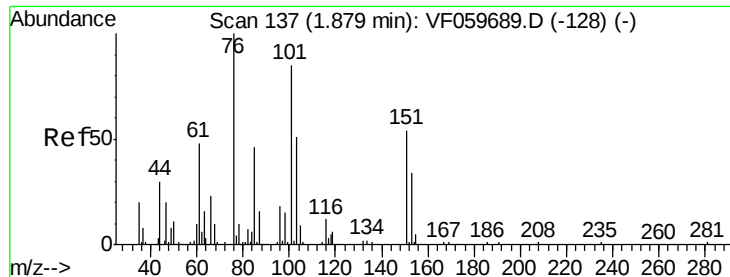
Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Tgt Ion:	43	Resp:	131480
Ion	Ratio	Lower	Upper
43	100		
58	14.3	10.1	15.1





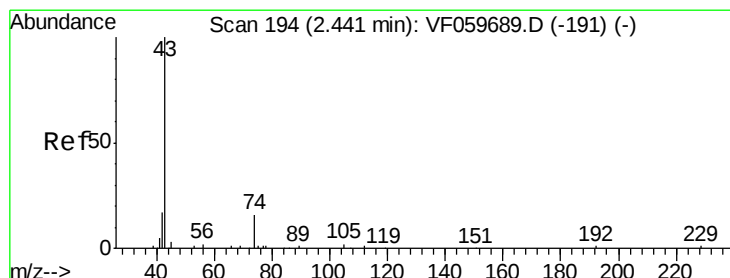
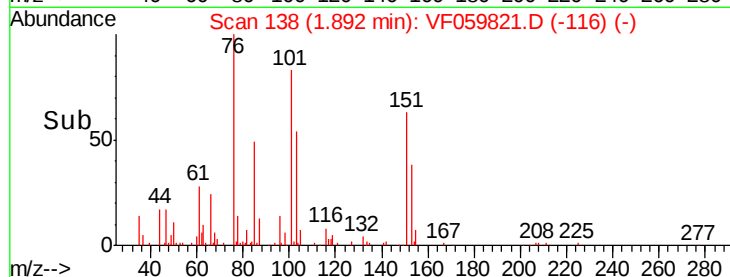
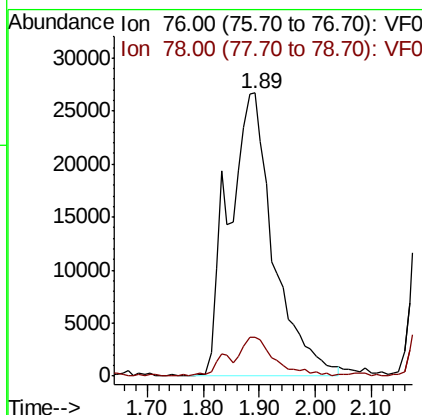
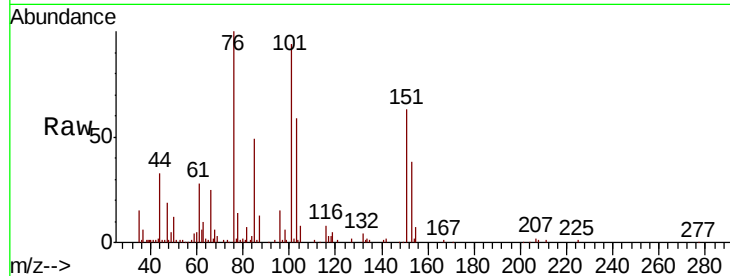
#17
Carbon Disulfide
Concen: 46.63 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	13.7	8.9	13.3#

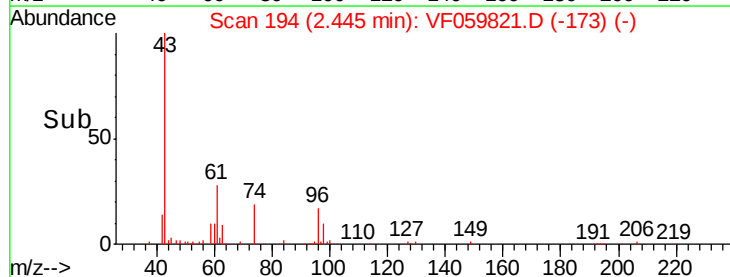
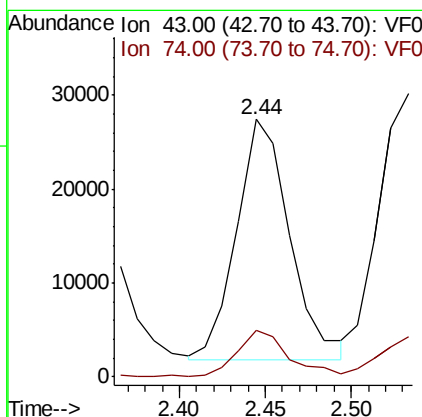
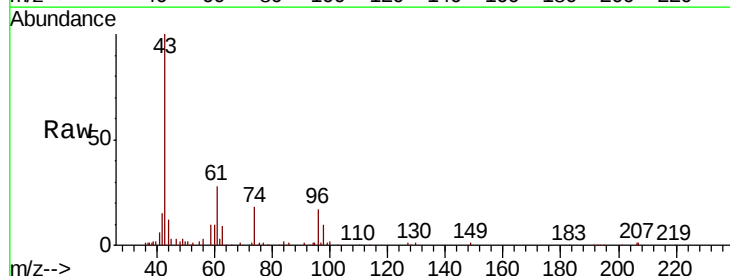
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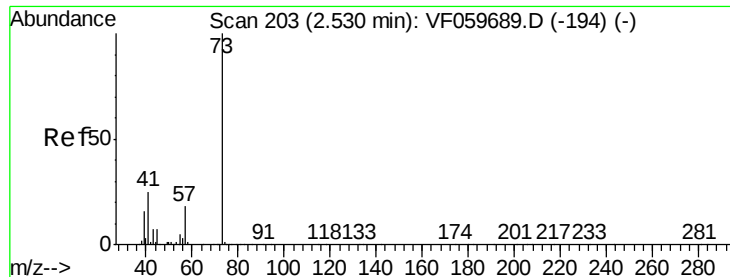
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#18
Methyl Acetate
Concen: 55.25 ug/l m
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.2	11.8	17.6#





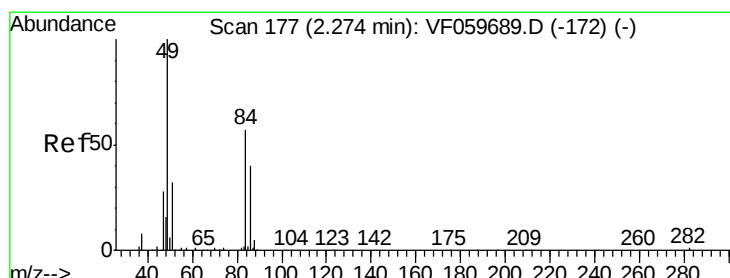
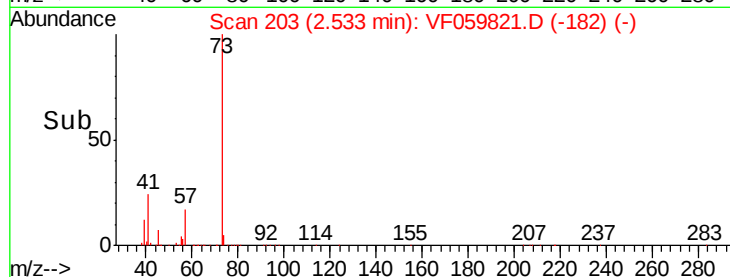
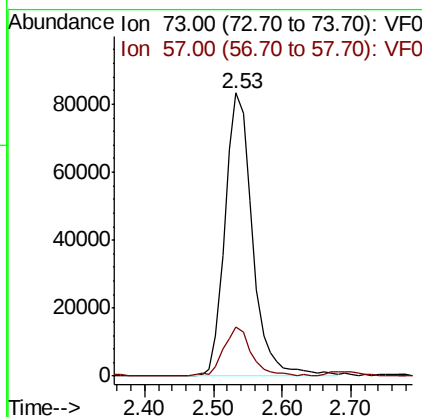
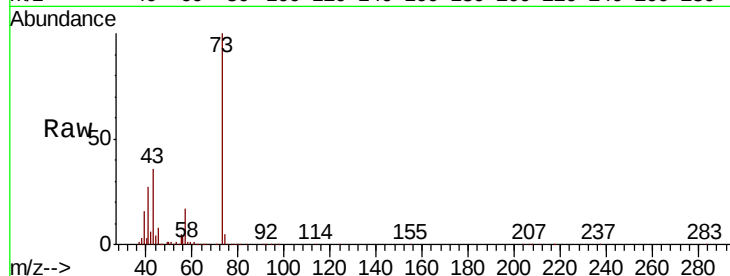
#19
Methyl tert-butyl Ether
Concen: 48.87 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.3	14.2	21.2

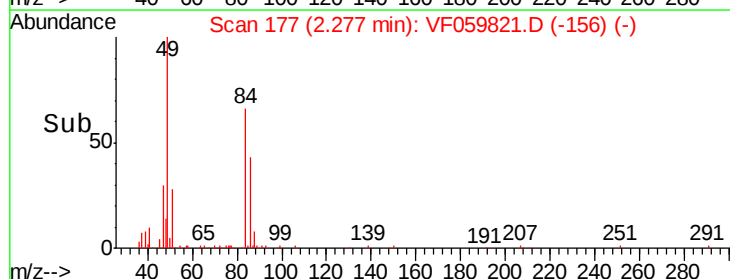
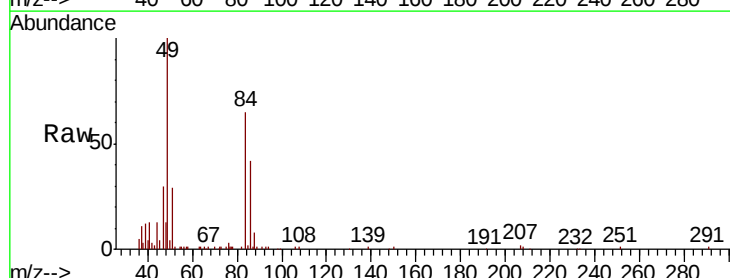
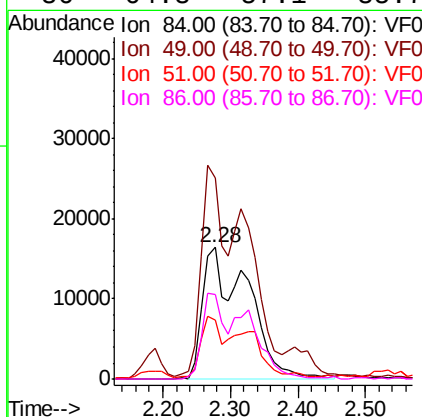
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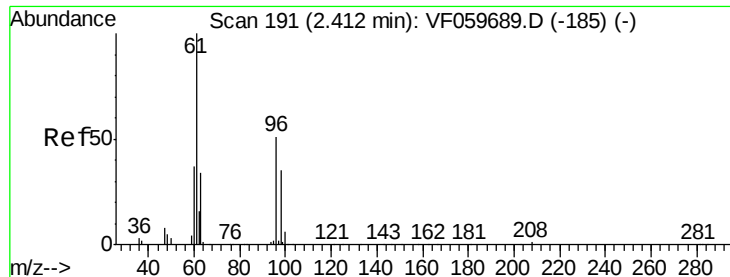
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#20
Methylene Chloride
Concen: 53.98 ug/l m
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.8	142.2	213.4
51	44.6	46.2	69.2#
86	64.8	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 52.66 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

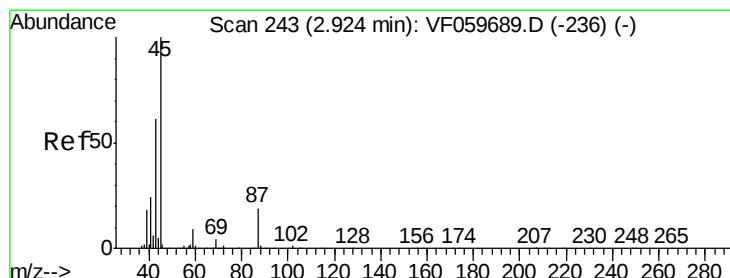
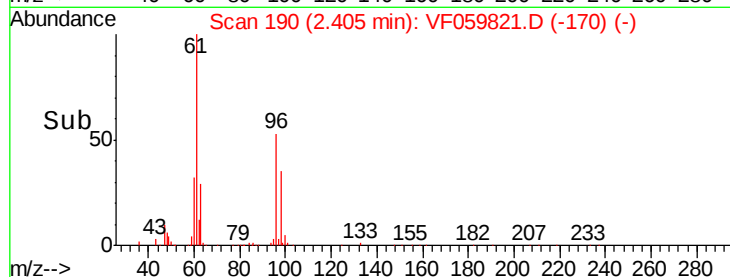
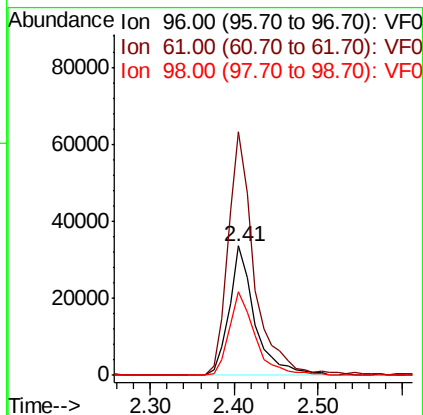
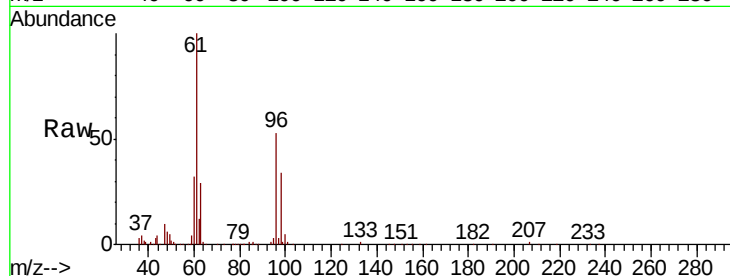
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	71303
Ion	Ratio	Lower	Upper
96	100		
61	188.2	157.4	236.0
98	64.7	55.0	82.4

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#22

Diisopropyl ether

Concen: 54.46 ug/l

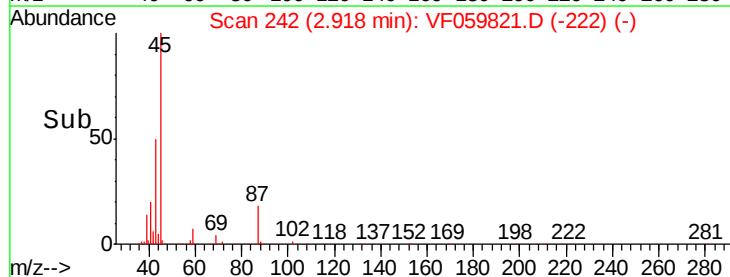
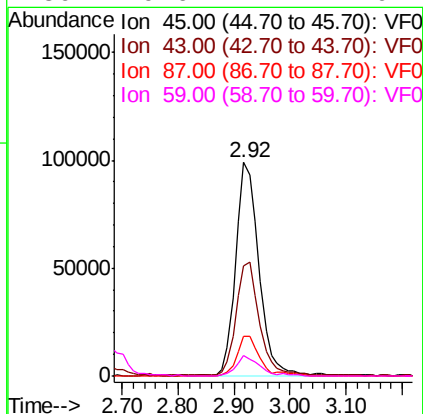
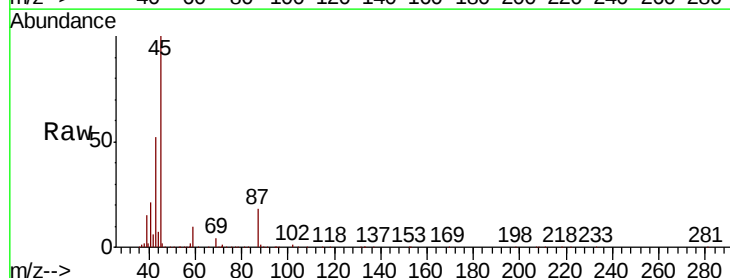
RT: 2.92 min Scan# 242

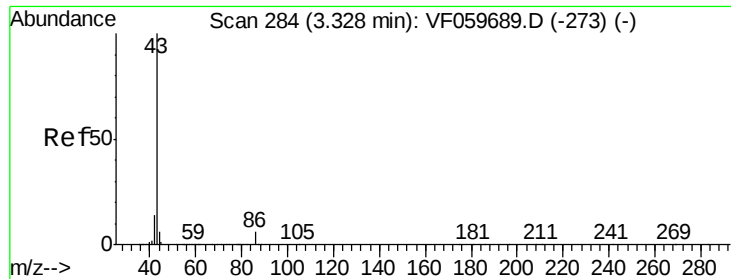
Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Tgt Ion:	45	Resp:	285151
Ion	Ratio	Lower	Upper
45	100		
43	51.6	49.3	73.9
87	18.3	15.3	22.9
59	9.6	7.1	10.7





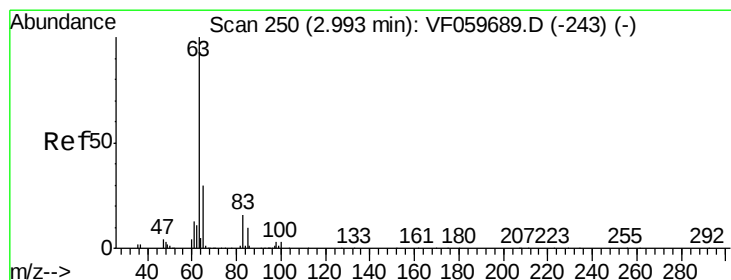
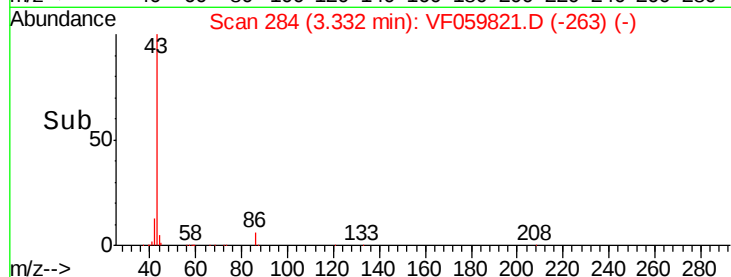
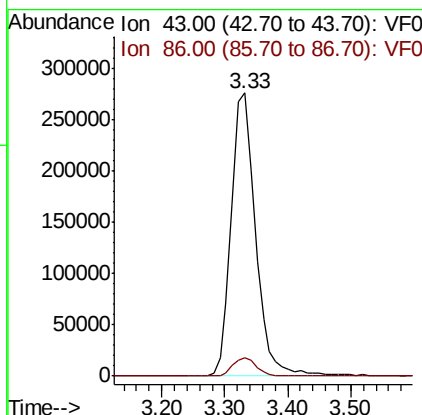
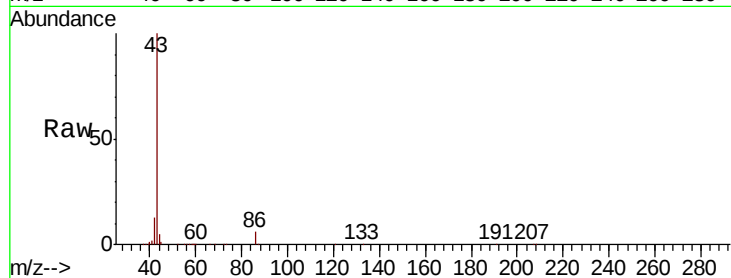
#23
 Vinyl Acetate
 Concen: 273.51 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	736216
Ion Ratio	100	Lower	Upper
43	100		
86	6.5	4.6	6.8

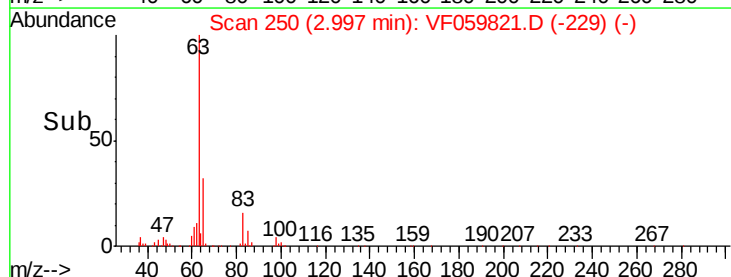
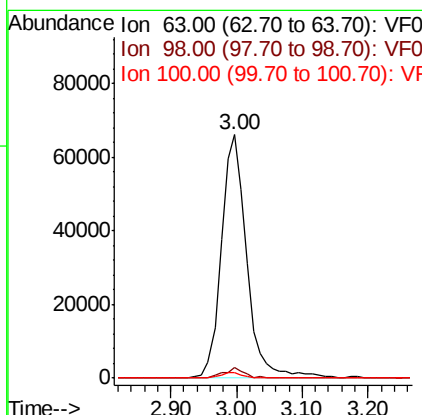
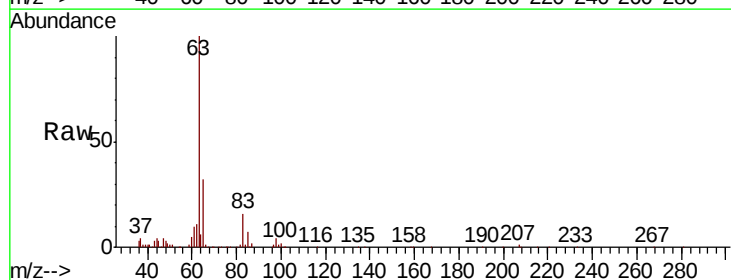
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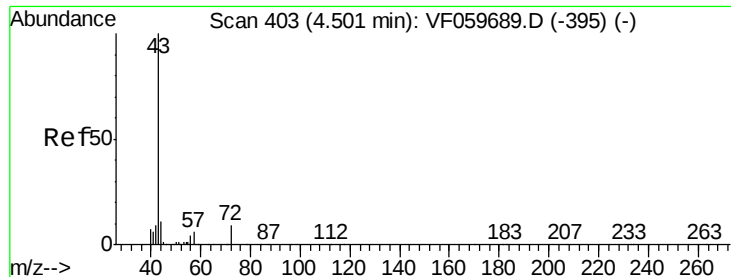
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#24
 1,1-Dichloroethane
 Concen: 49.08 ug/l
 RT: 3.00 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Tgt Ion	63	Resp	178533
Ion Ratio	100	Lower	Upper
63	100		
98	4.3	1.4	4.2#
100	2.2	1.6	4.7





#25

2-Butanone

Concen: 233.57 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 168726

Ion Ratio Lower Upper

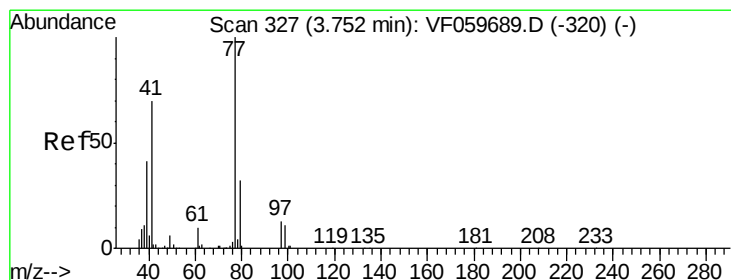
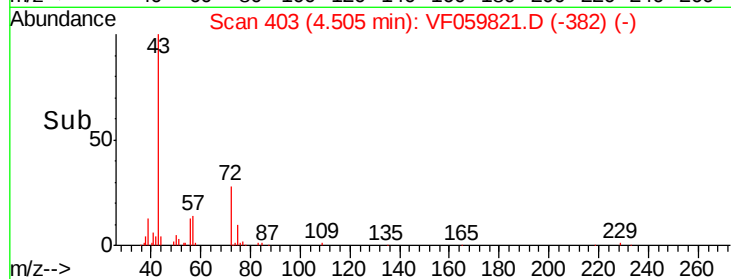
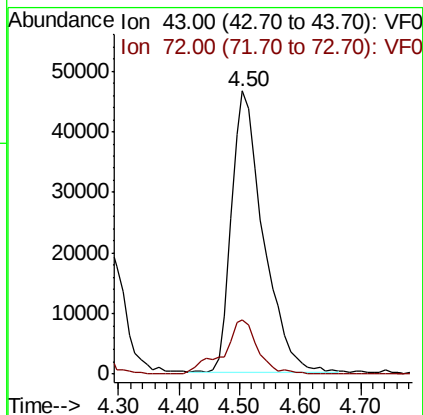
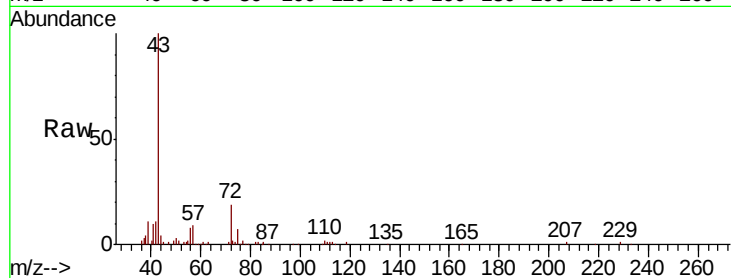
43 100

72 19.3 7.7 11.5#

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 40.46 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059821.D

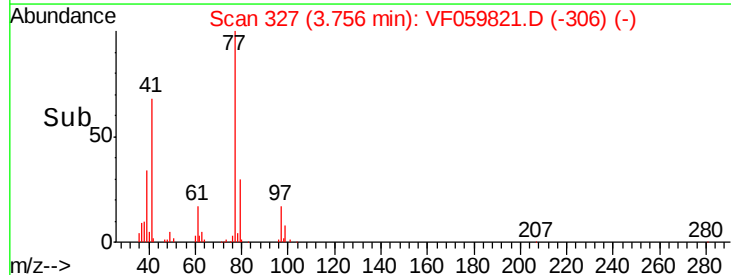
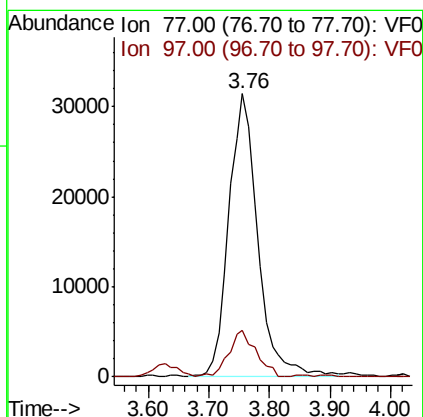
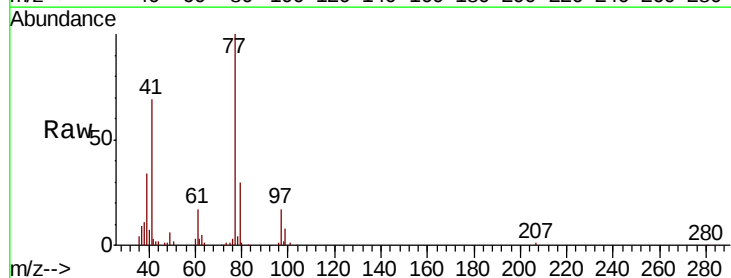
Acq: 3 Aug 2018 1:39

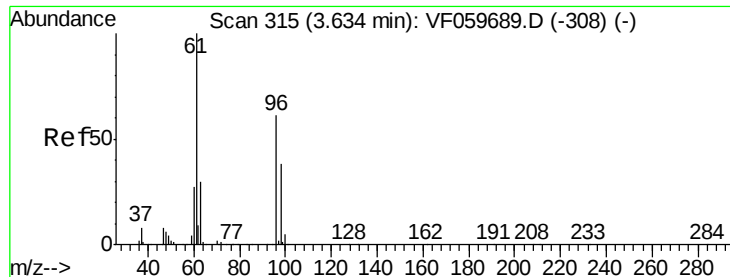
Tgt Ion: 77 Resp: 104916

Ion Ratio Lower Upper

77 100

97 16.5 6.8 20.4





#27

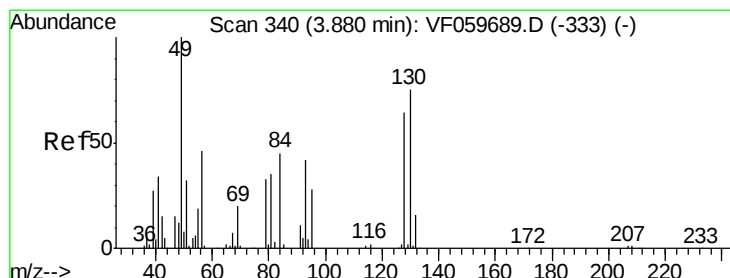
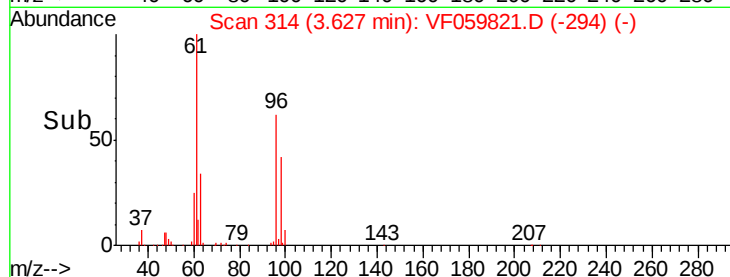
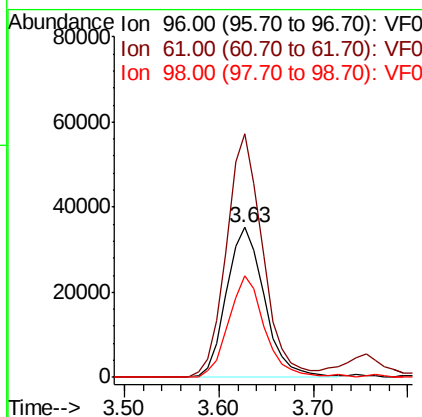
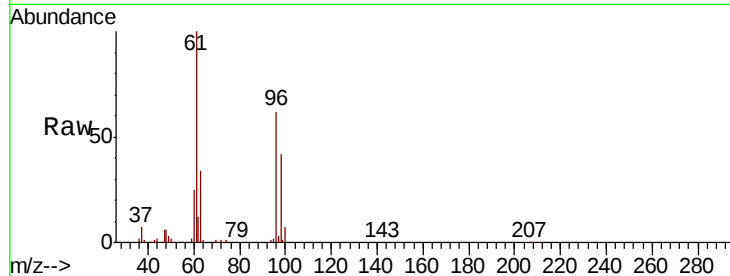
cis-1,2-Dichloroethene
 Concen: 50.50 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
96	100		
61	162.2	0.0	326.8
98	67.8	0.0	125.2

Manual Integrations
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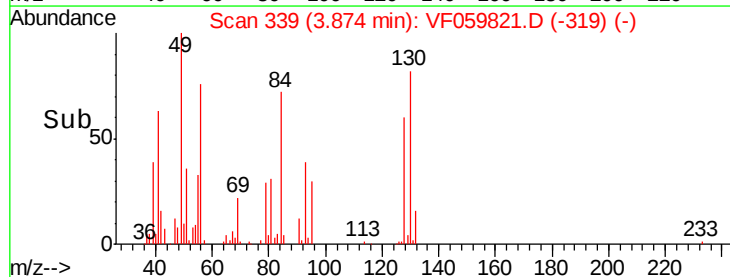
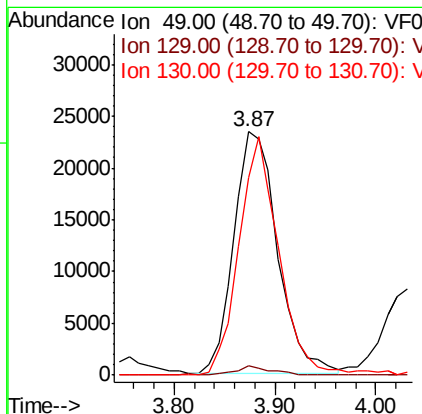
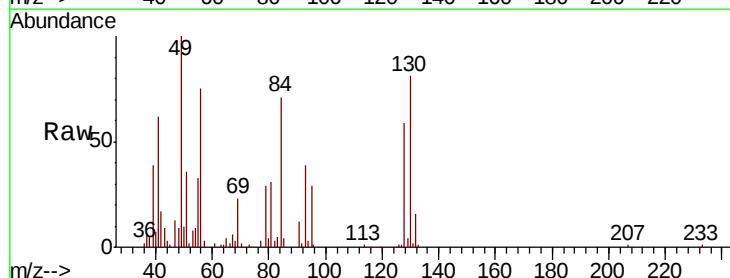
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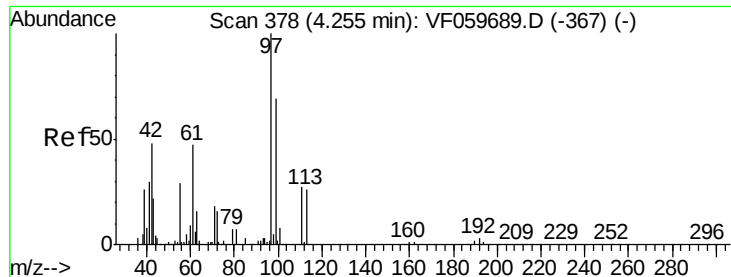


#28

Bromochloromethane
 Concen: 56.25 ug/l
 RT: 3.87 min Scan# 339
 Delta R.T. -0.01 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	3.7	0.0	4.8
130	81.4	59.6	89.4





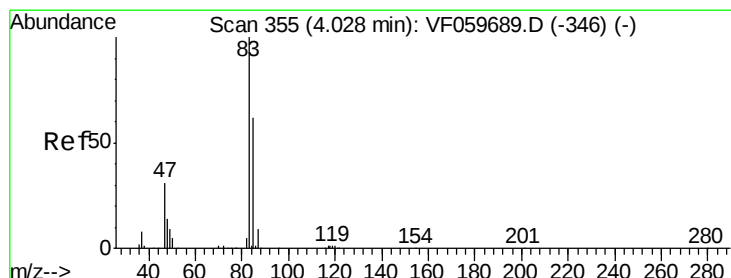
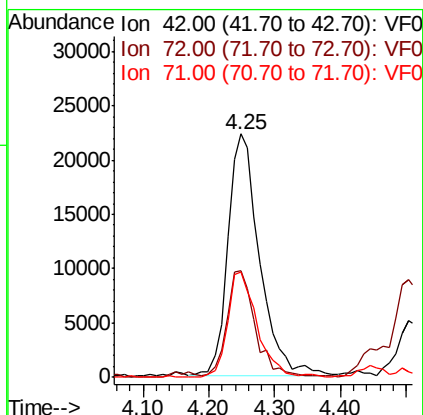
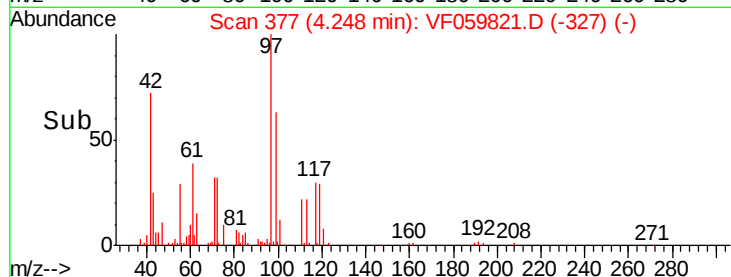
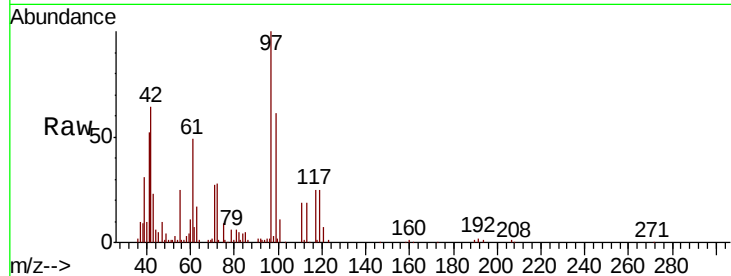
#29
Tetrahydrofuran
Concen: 272.85 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	27.0	40.6
71	39.7	29.7	44.5

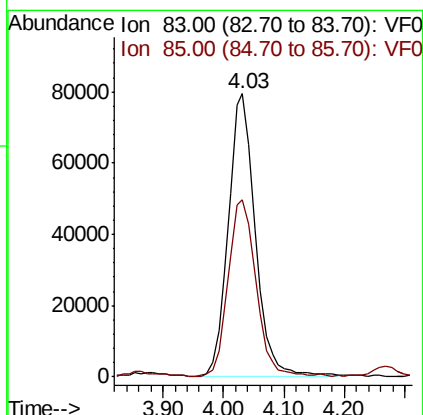
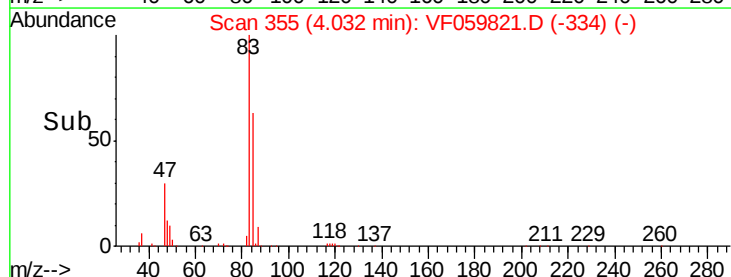
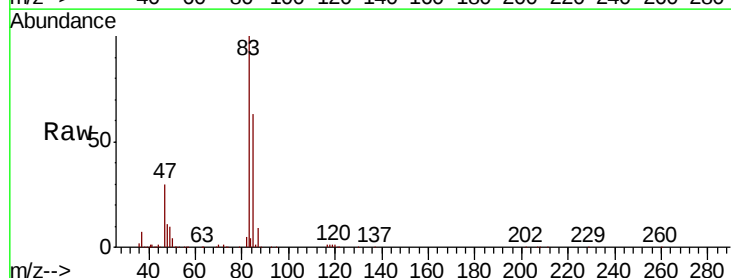
Manual Integrations
APPROVED

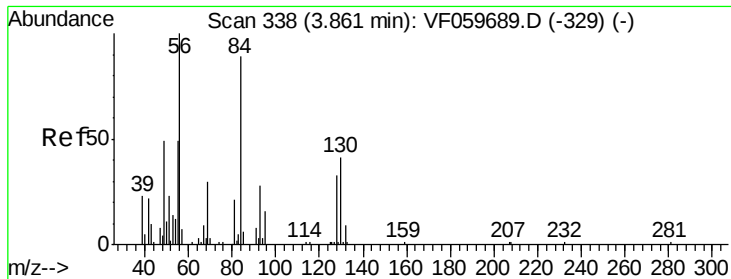
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#30
Chloroform
Concen: 48.18 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	49.4	74.0





#31

Cyclohexane

Concen: 56.74 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059821.D

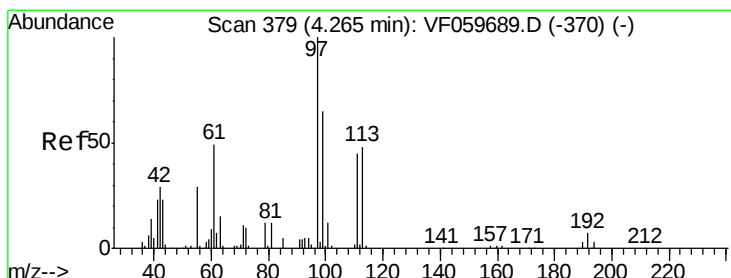
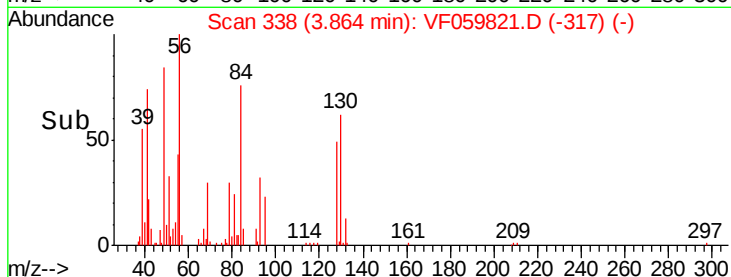
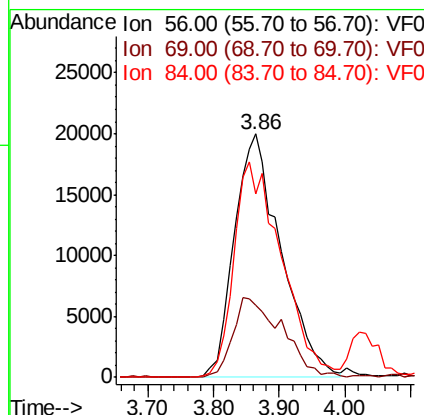
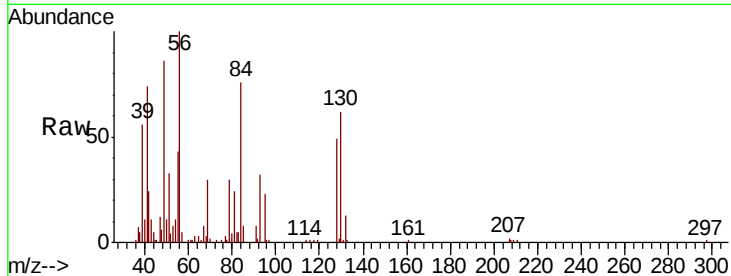
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	56	Resp:	99052
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.7	35.5
84	75.5	71.1	106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.16 ug/l

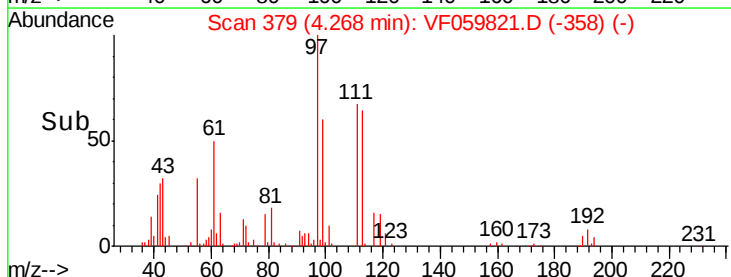
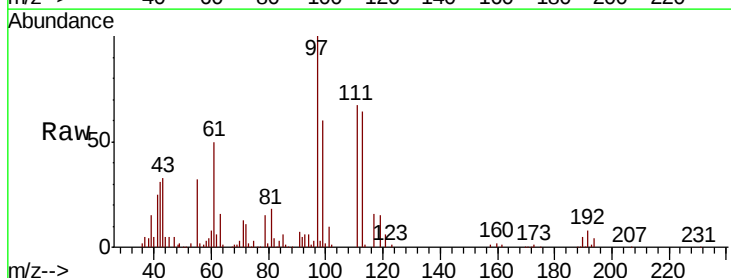
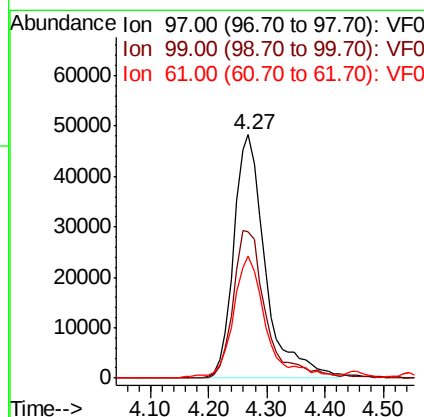
RT: 4.27 min Scan# 379

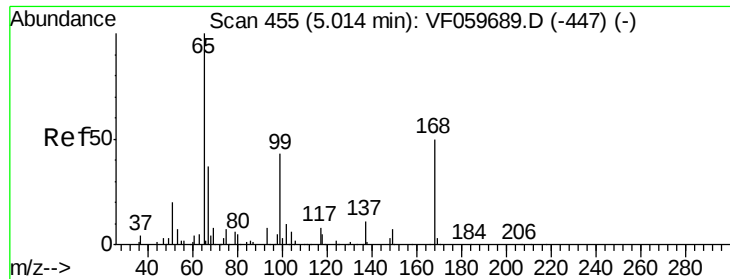
Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Tgt Ion:	97	Resp:	183799
Ion	Ratio	Lower	Upper
97	100		
99	60.1	52.4	78.6
61	50.0	39.7	59.5





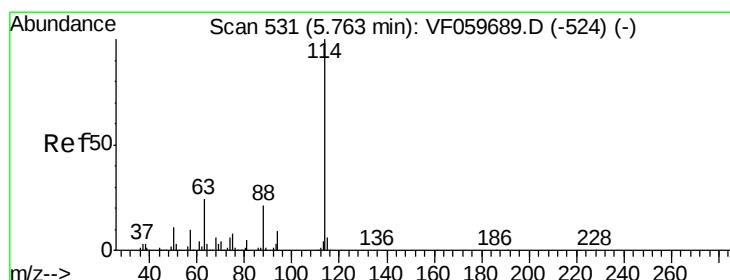
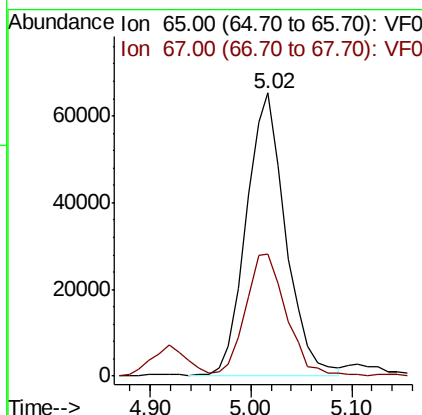
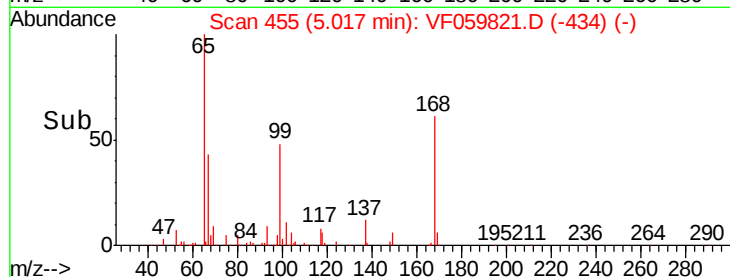
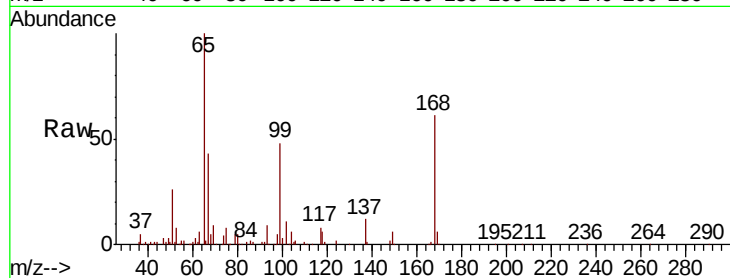
#33
 1,2-Dichloroethane-d4
 Concen: 48.76 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	175455		
67	43.1	0.0	84.6	

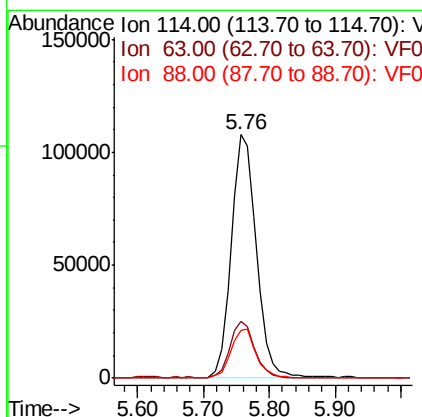
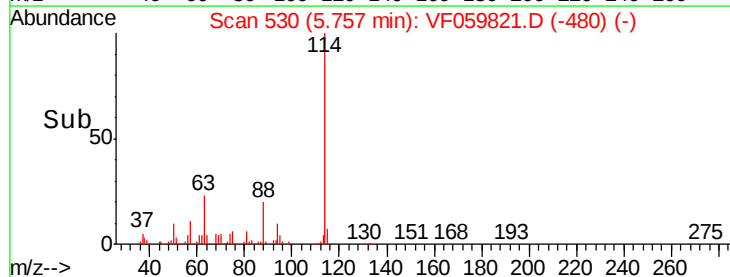
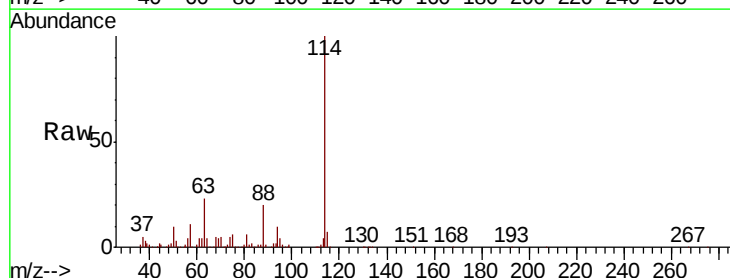
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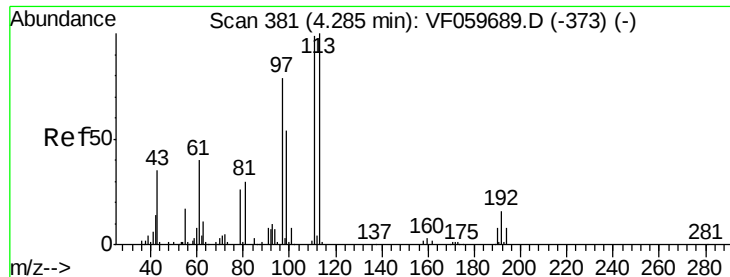
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	289321		
63	23.4	0.0	47.4	
88	19.6	0.0	41.2	





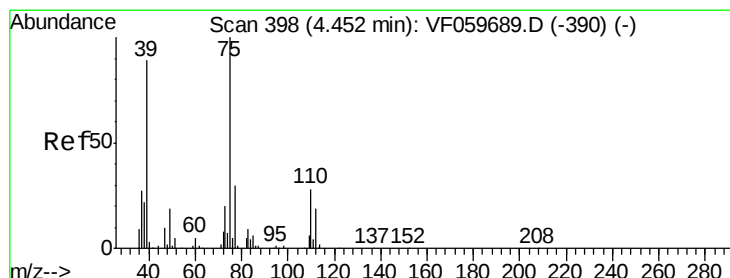
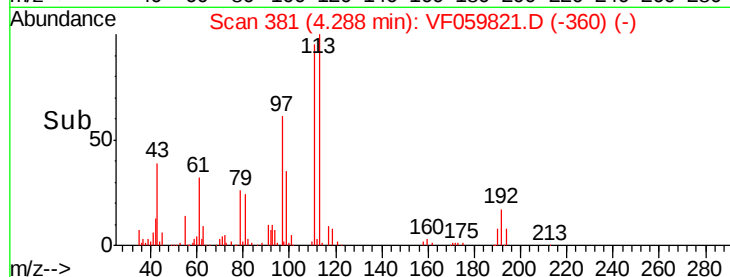
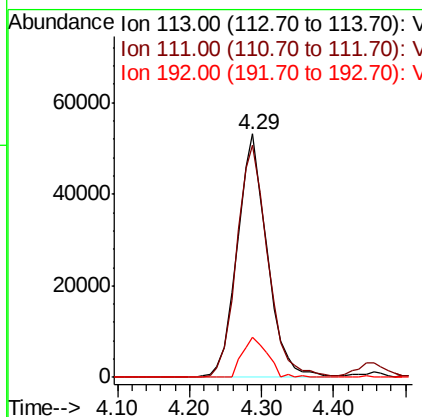
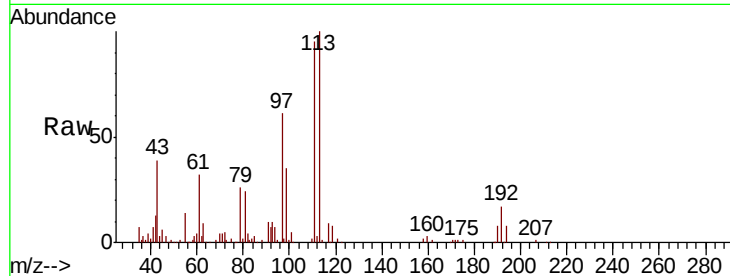
#35
 Dibromofluoromethane
 Concen: 51.24 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	95.3	79.0	118.4
192	16.6	13.2	19.8

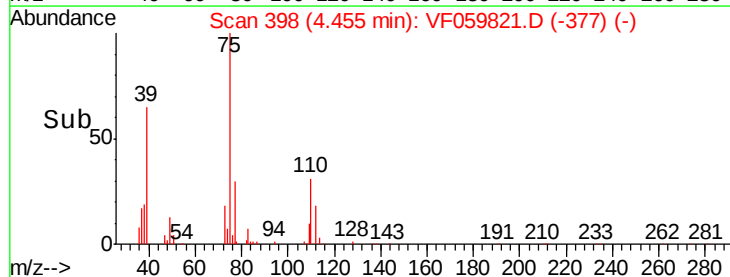
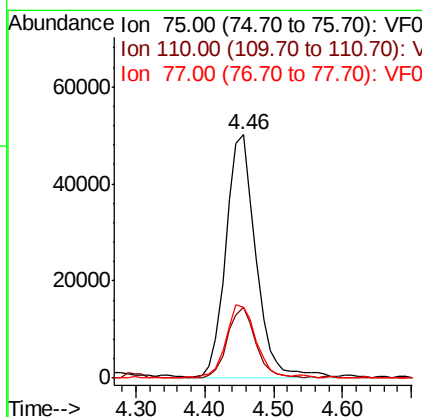
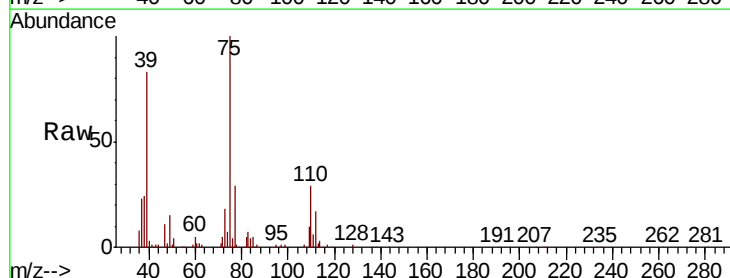
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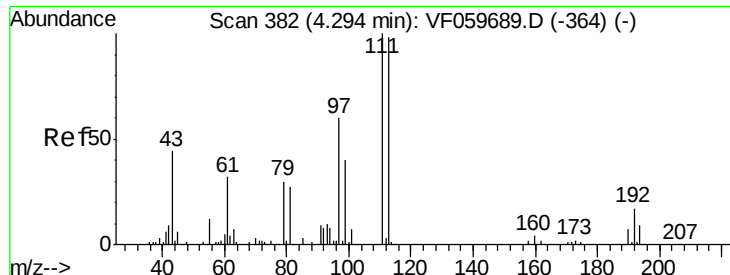
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#36
 1,1-Dichloropropene
 Concen: 51.47 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.1	14.0	41.9
77	28.8	24.2	36.2





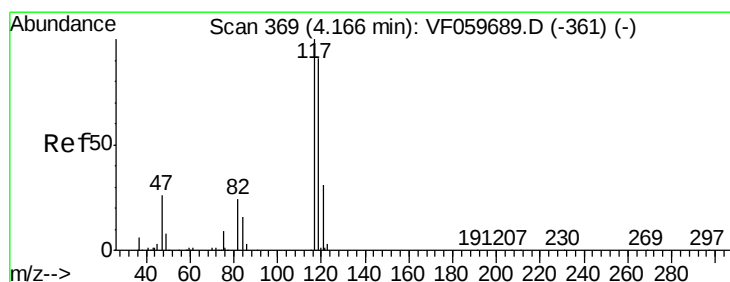
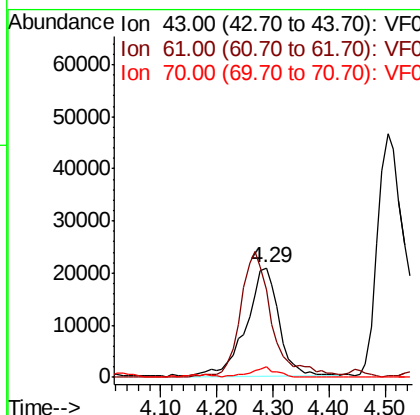
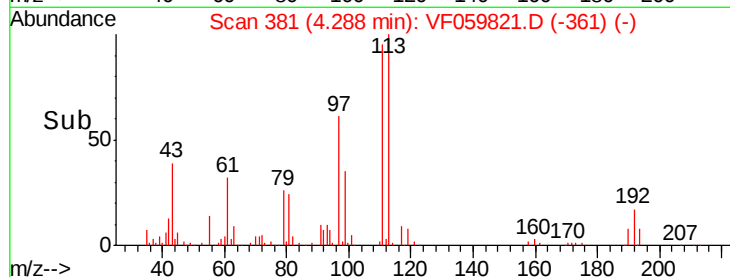
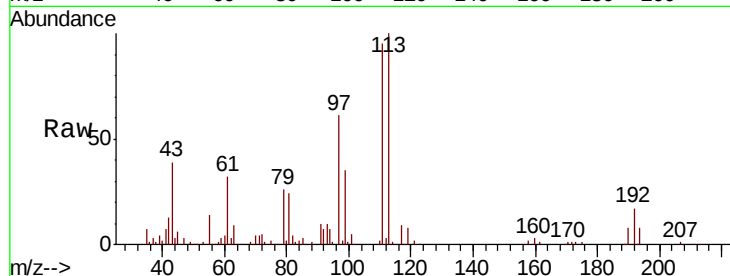
#37
Ethyl Acetate
Concen: 59.45 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	80.6	58.2	87.2
70	9.4	6.0	9.0

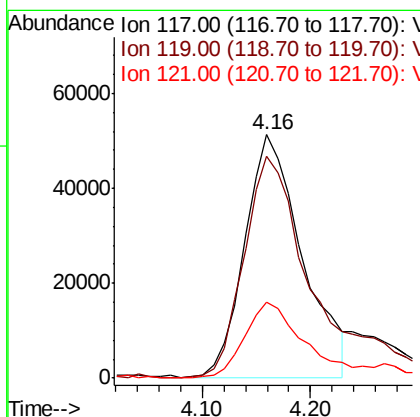
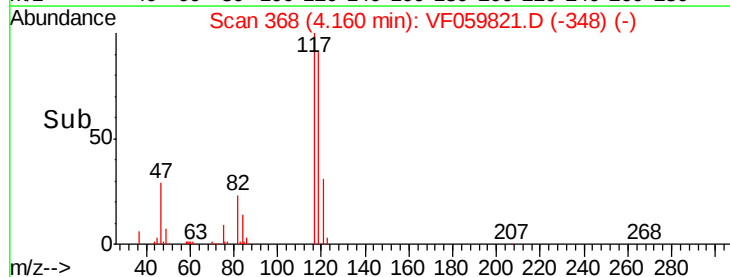
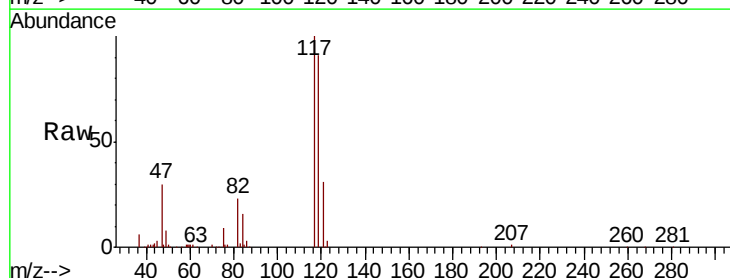
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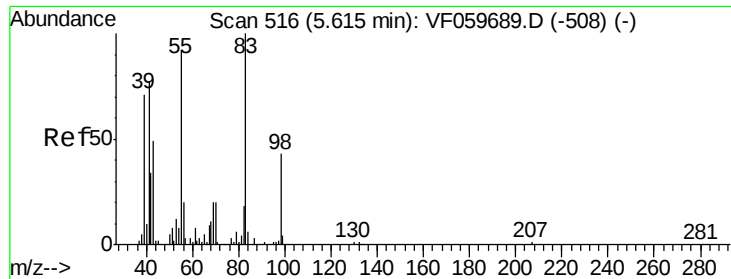
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#38
Carbon Tetrachloride
Concen: 41.31 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	72.9	109.3
121	30.7	25.0	37.4





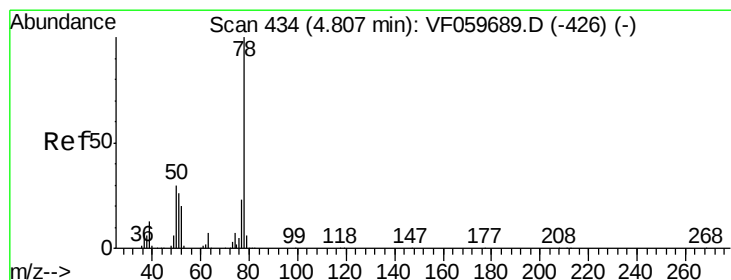
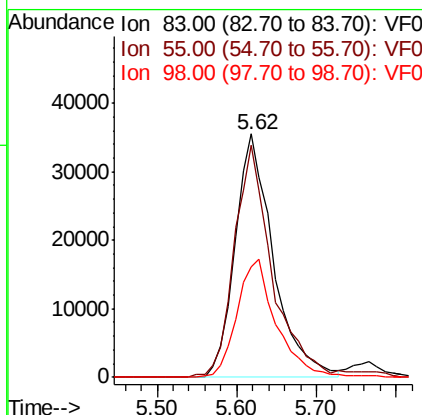
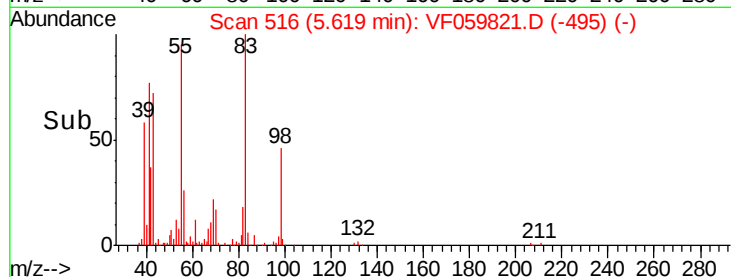
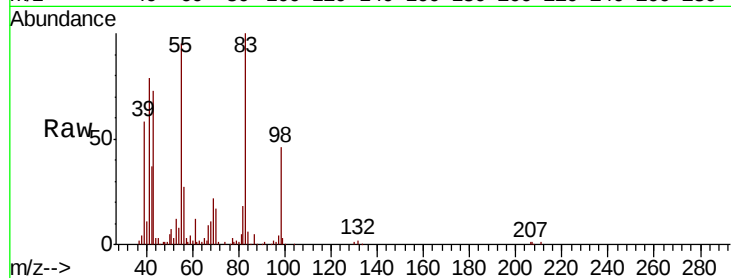
#39
Methvlcvclohexane
Concen: 53.25 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.3	73.4	110.2
98	45.5	34.2	51.4

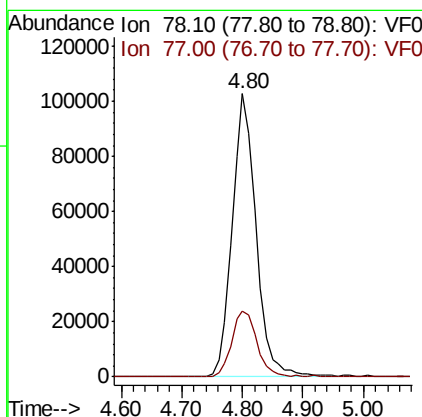
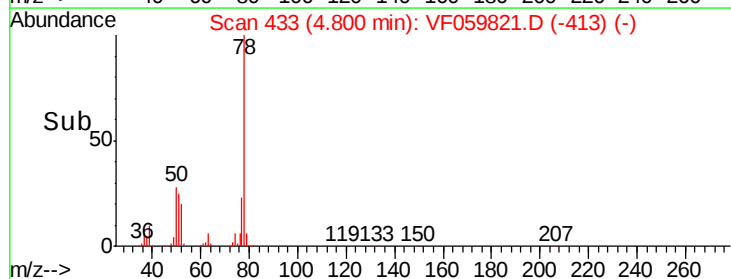
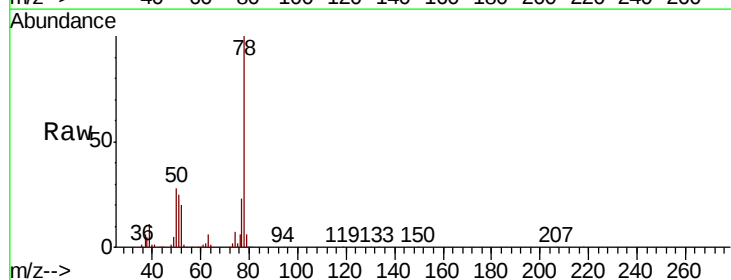
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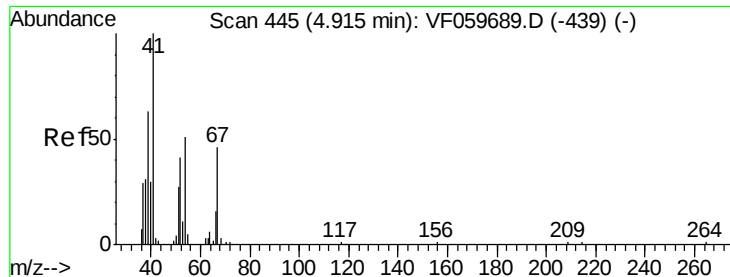
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#40
Benzene
Concen: 48.21 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





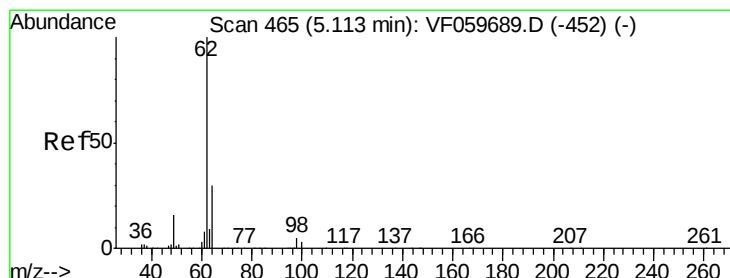
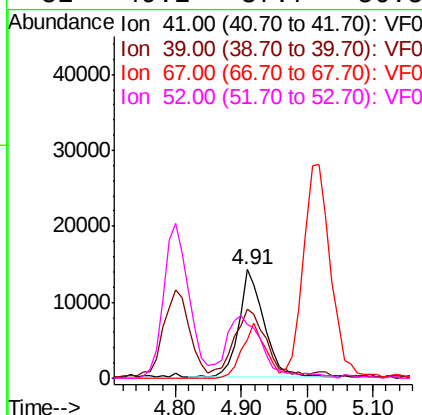
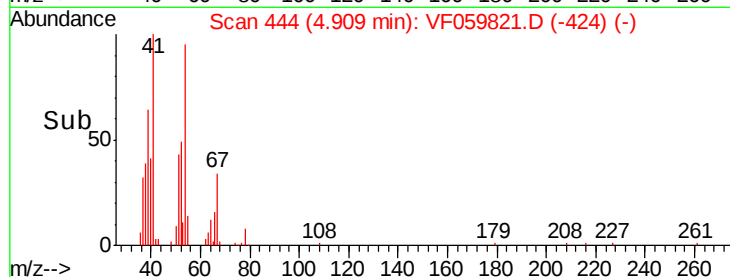
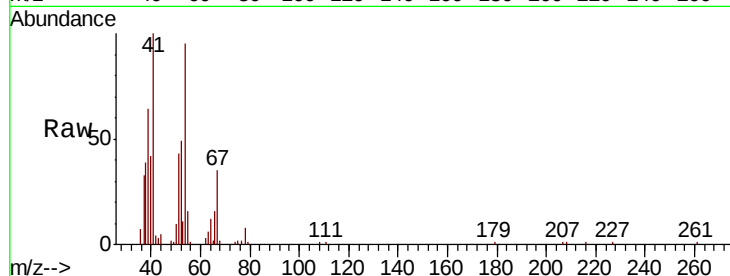
#41
Methacrylonitrile
Concen: 53.12 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	64.1	55.2	82.8		
67	35.0	36.2	54.2		
52	49.2	37.7	56.5		

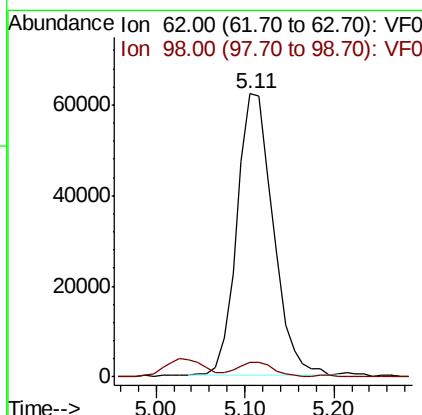
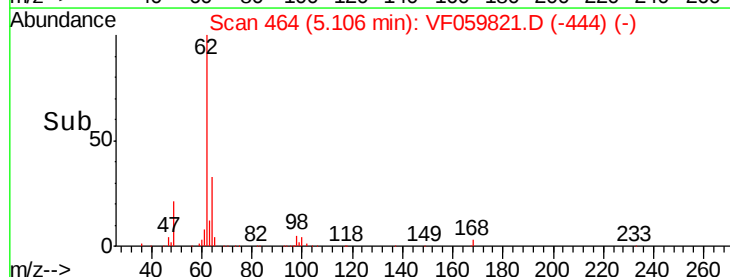
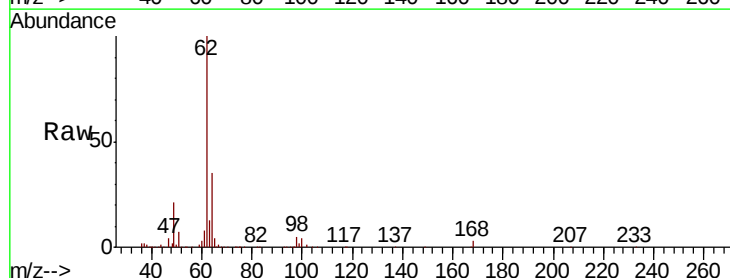
Manual Integrations
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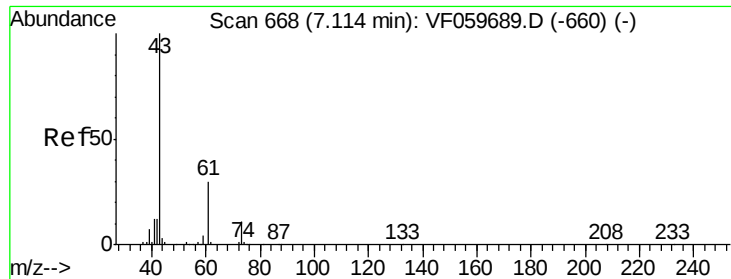
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#42
1,2-Dichloroethane
Concen: 42.82 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	5.3	0.0	9.6		





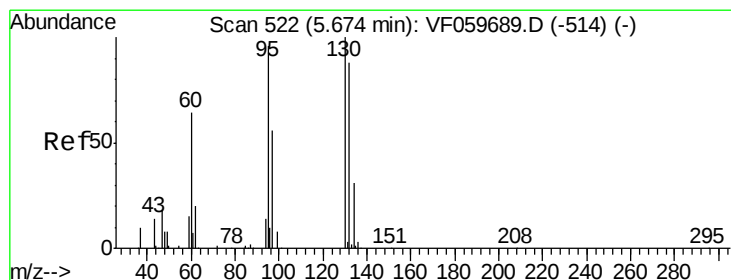
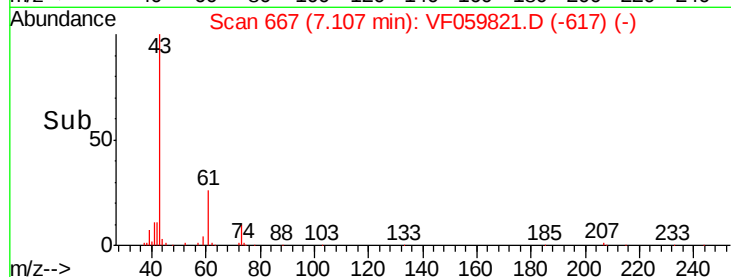
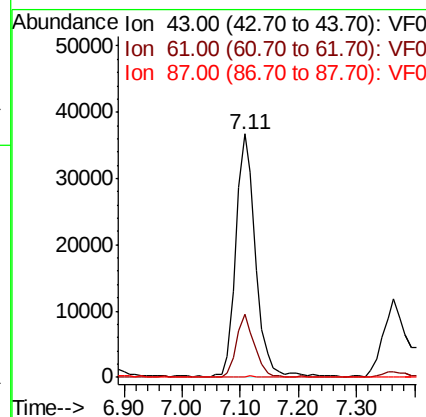
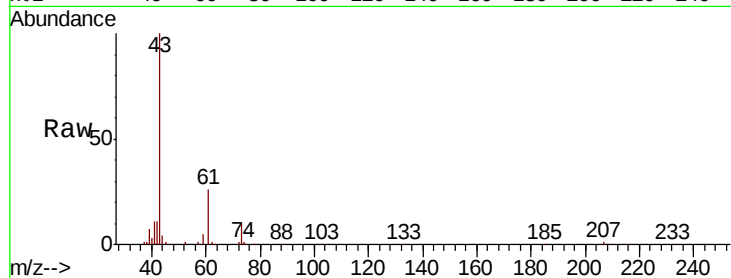
#43
Isopropyl Acetate
Concen: 50.09 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	23.8	35.8
87	0.0	0.6	1.0

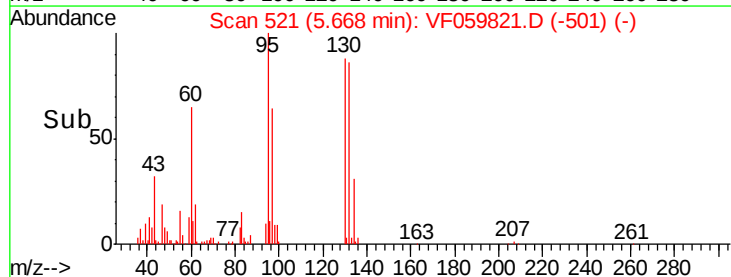
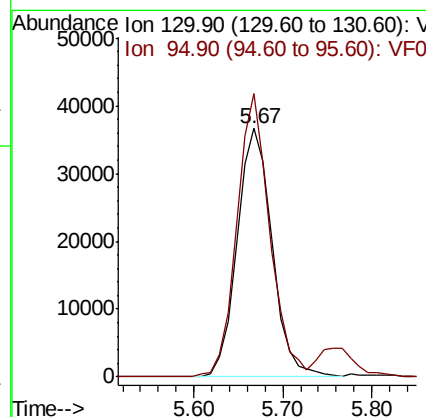
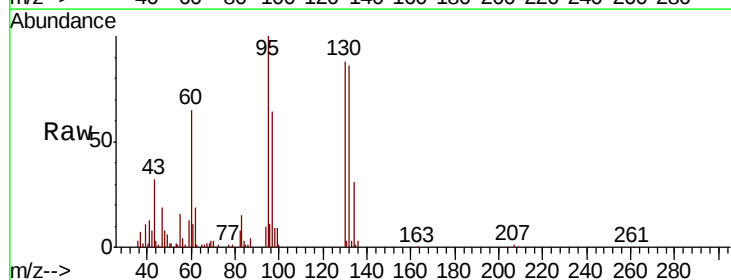
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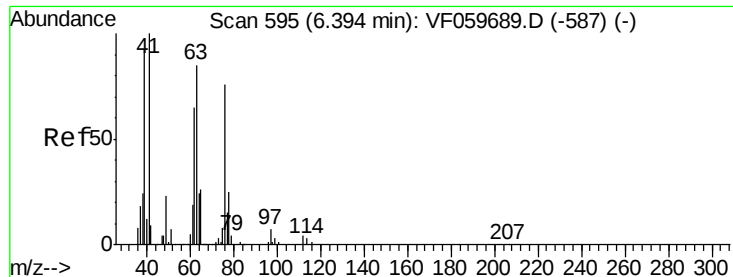
apatel
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#44
Trichloroethene
Concen: 51.22 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.9	0.0	191.0





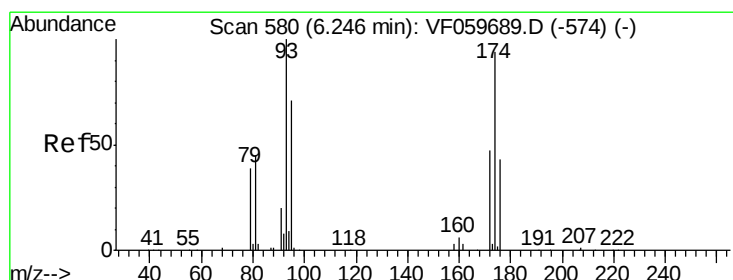
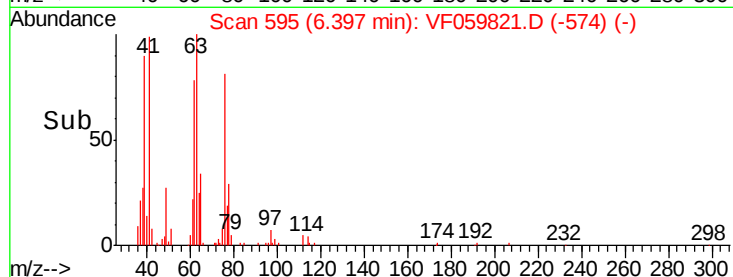
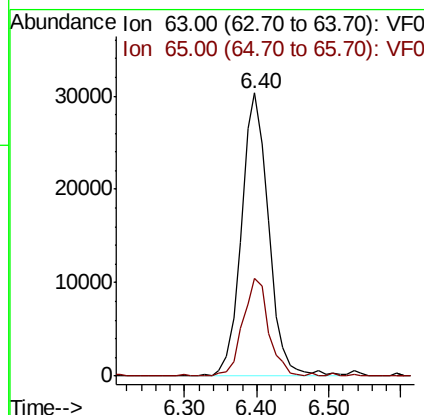
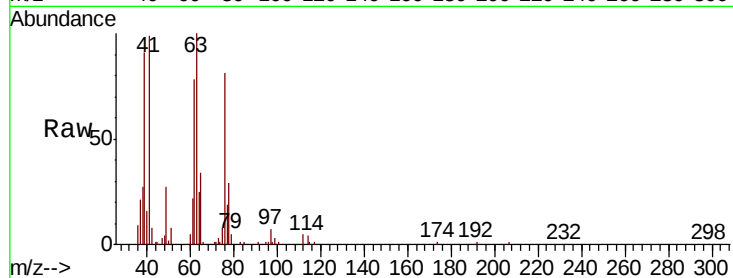
#45
 1,2-Dichloropropane
 Concen: 51.80 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.4	25.2	37.8

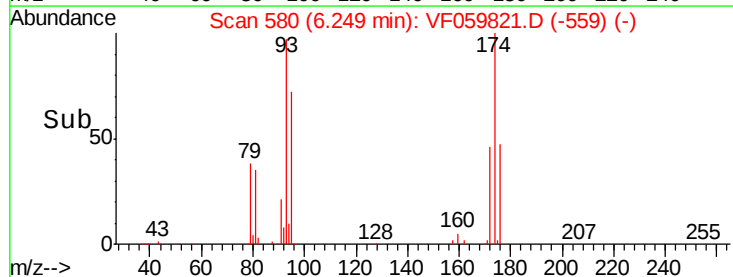
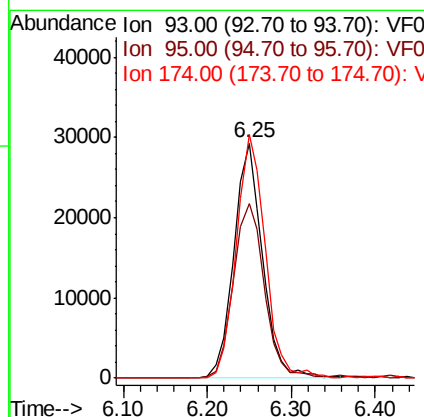
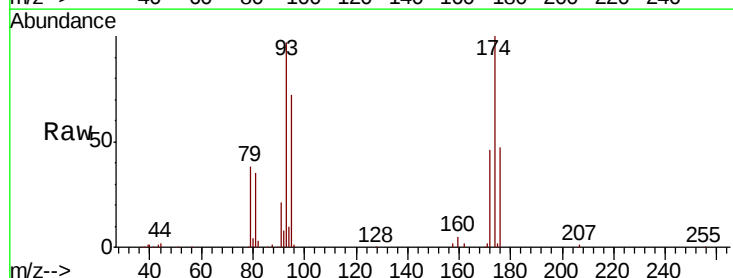
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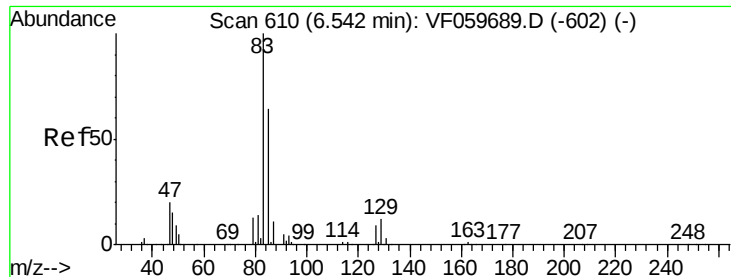
apatel
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#46
 Dibromomethane
 Concen: 47.26 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	74.3	57.1	85.7
174	103.6	74.8	112.2





#47

Bromodichloromethane

Concen: 46.67 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

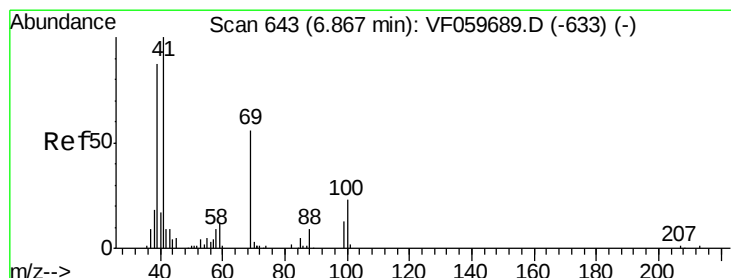
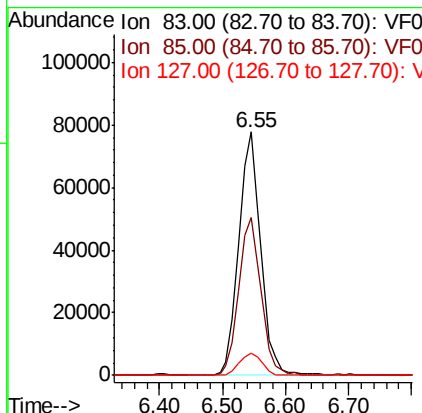
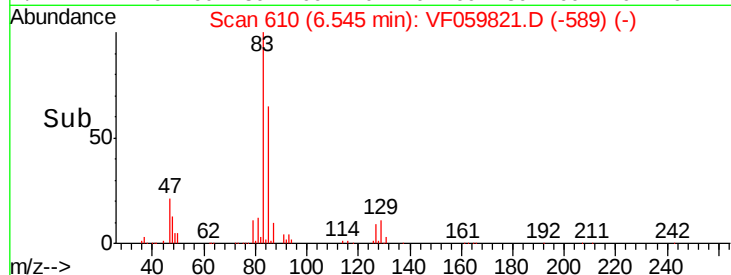
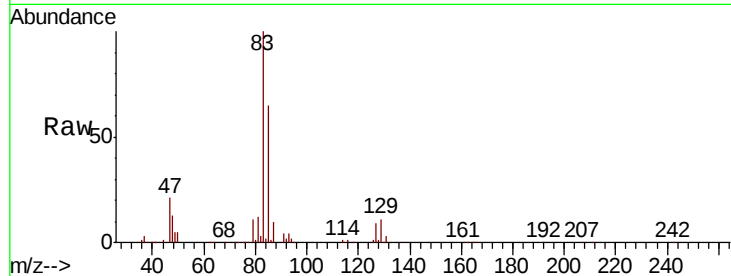
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	186184
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.0	76.6
127	9.3	7.3	10.9

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#48

Methyl methacrylate

Concen: 49.21 ug/l

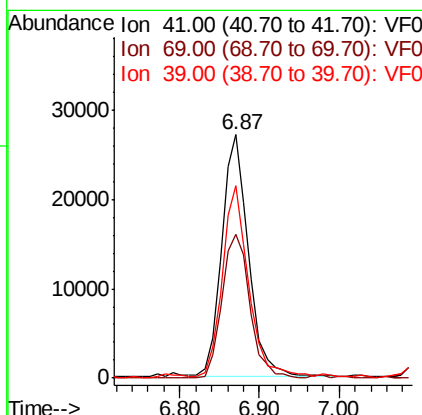
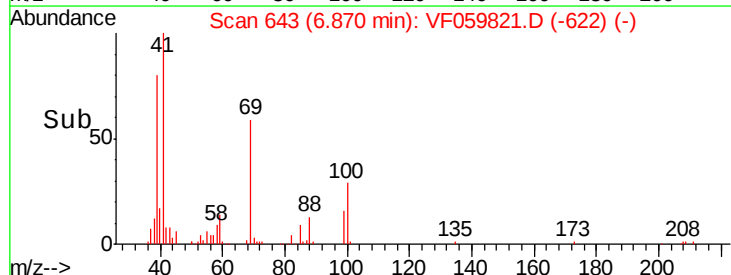
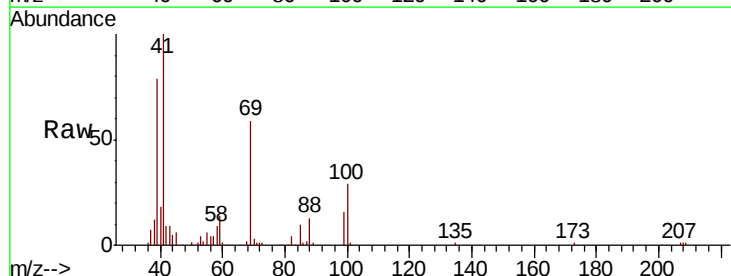
RT: 6.87 min Scan# 643

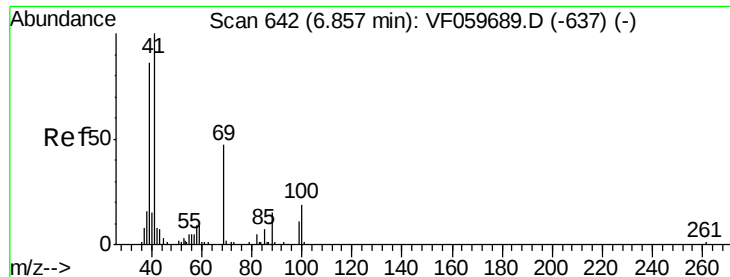
Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Tgt Ion:	41	Resp:	64030
Ion Ratio	Lower	Upper	
41	100		
69	58.8	44.4	66.6
39	79.1	69.4	104.2





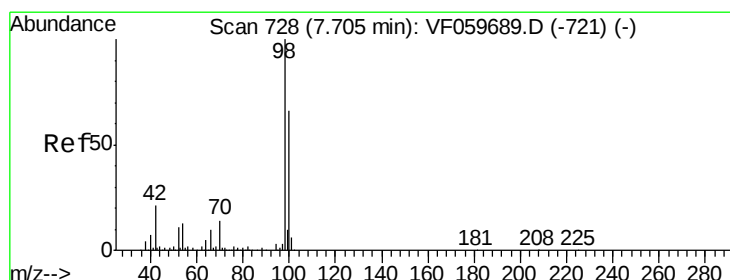
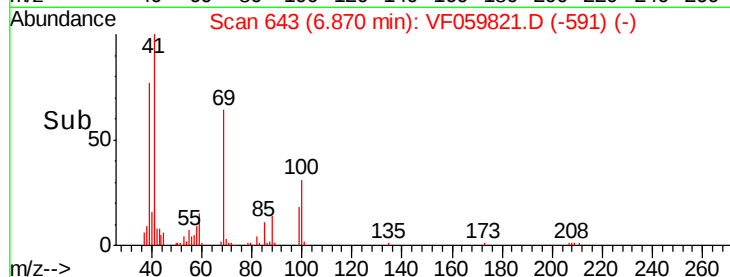
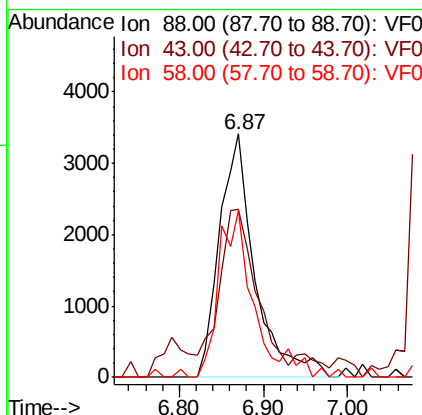
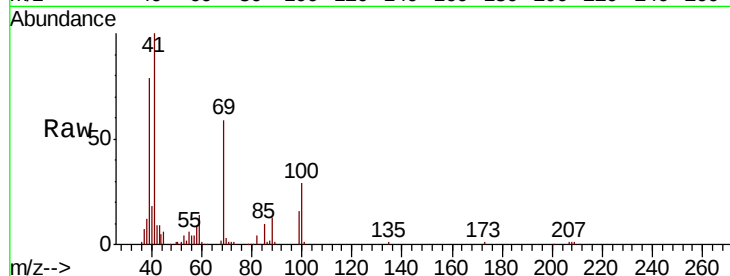
#49
1,4-Dioxane
Concen: 1181.95 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	68.9	45.2	67.8#
58	68.3	49.0	73.6

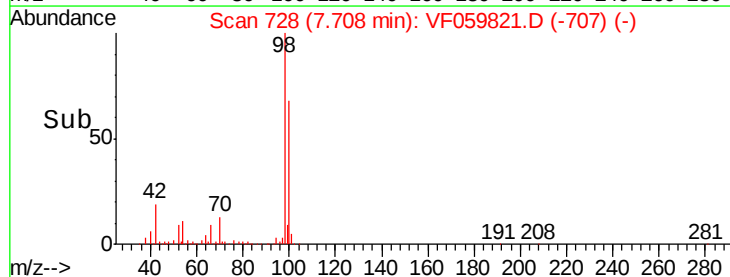
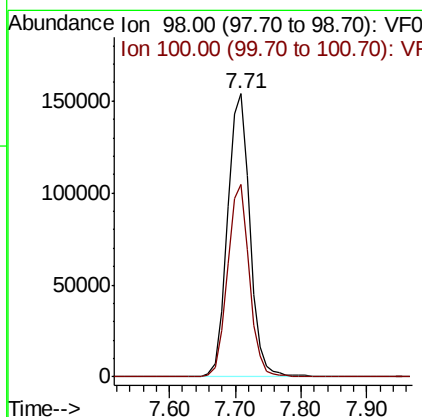
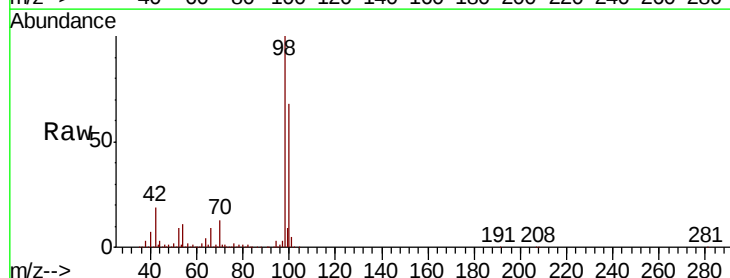
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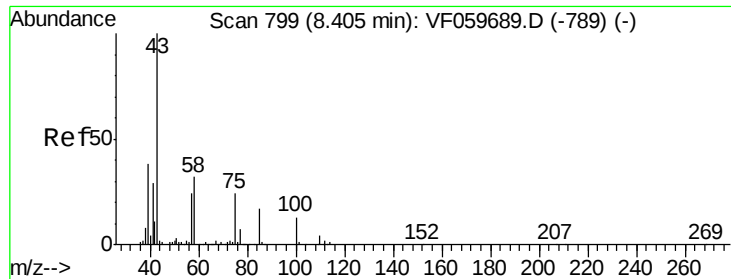
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#50
Toluene-d8
Concen: 52.52 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.1	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 262.86 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 345927

Ion Ratio Lower Upper

43 100

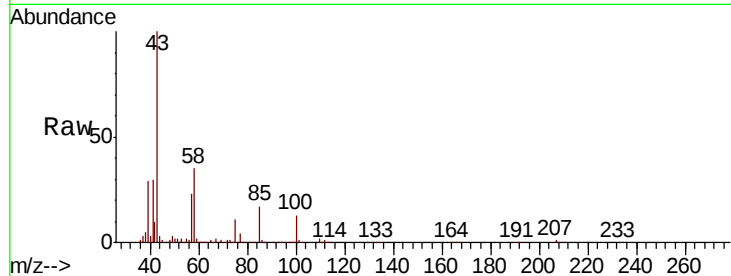
58 35.0 25.9 38.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

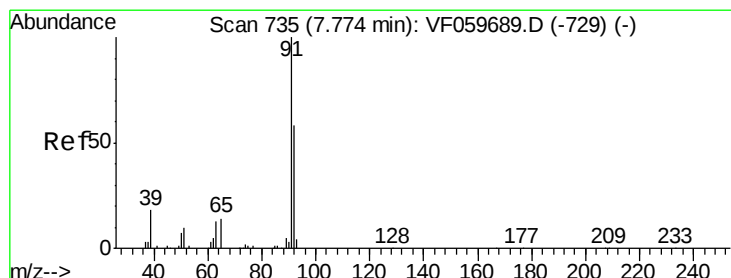
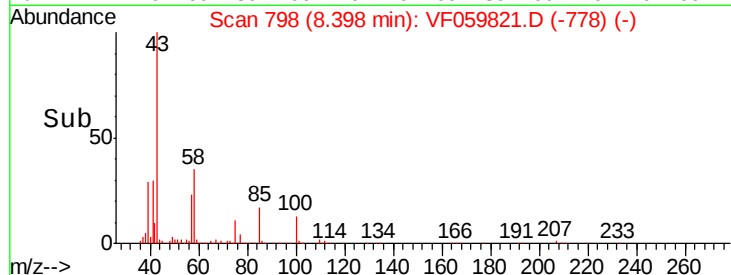
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 51.59 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059821.D

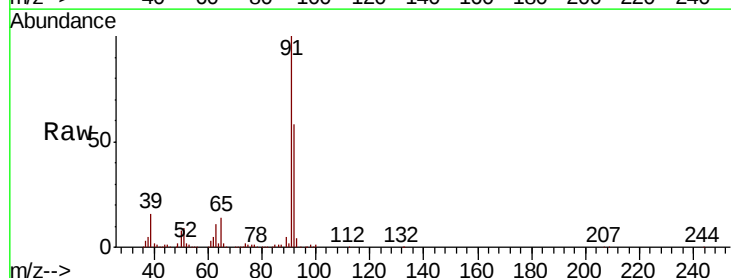
Acq: 3 Aug 2018 1:39

Tgt Ion: 92 Resp: 200345

Ion Ratio Lower Upper

92 100

91 171.7 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

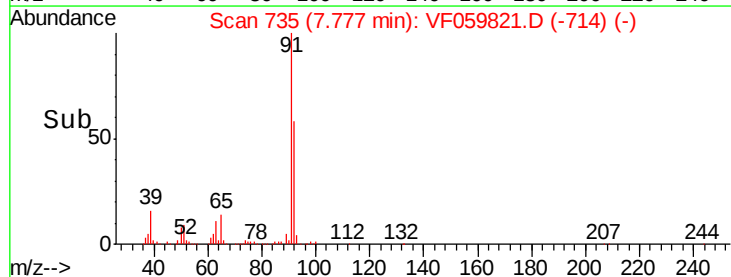
100000

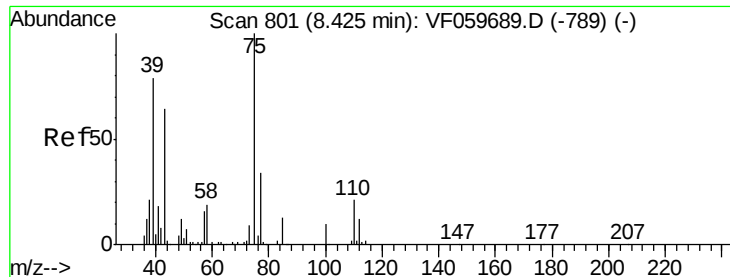
50000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 43.07 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 149081

Ion Ratio Lower Upper

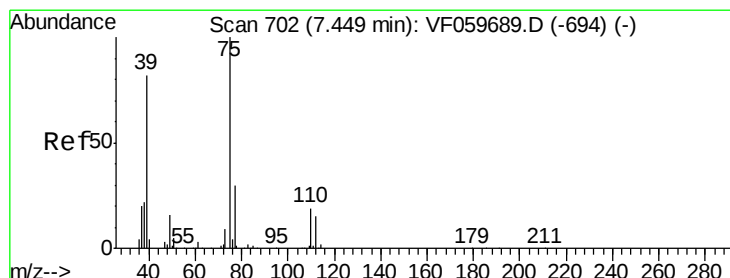
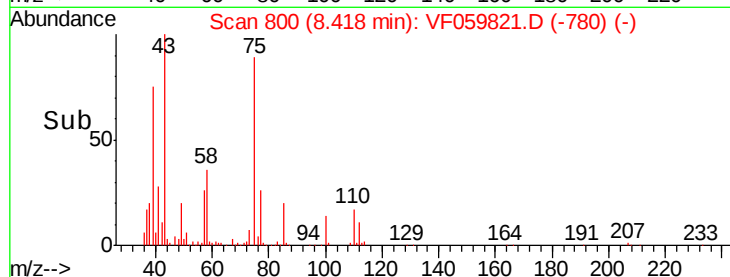
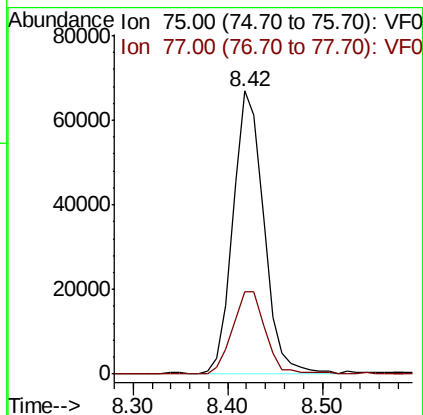
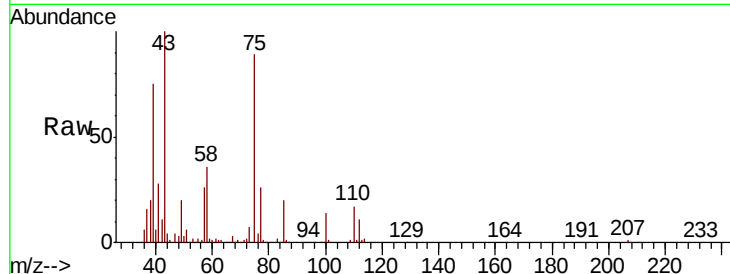
75 100

77 29.1 27.0 40.4

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#54

cis-1,3-Dichloropropene

Concen: 48.53 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

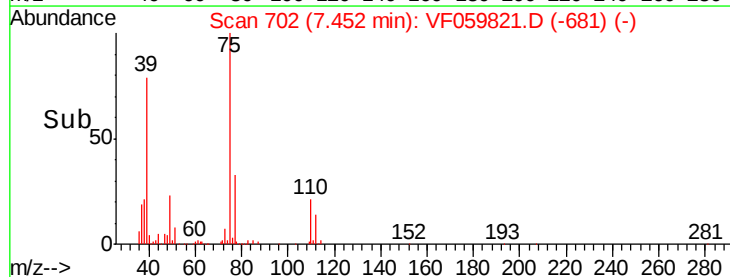
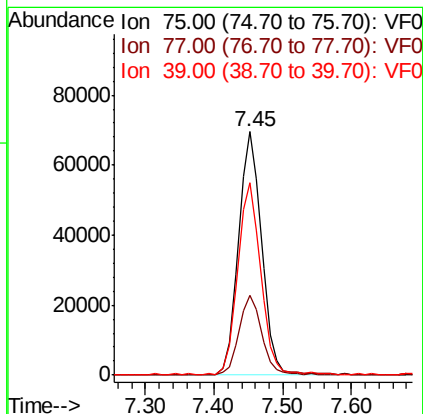
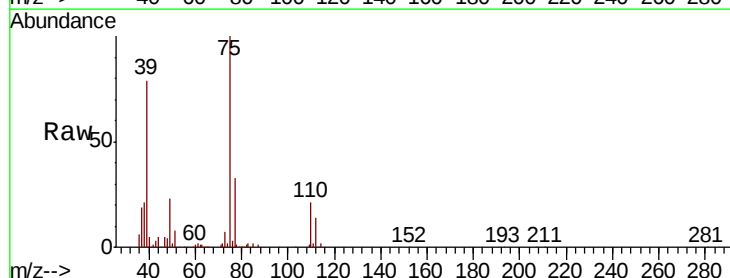
Tgt Ion: 75 Resp: 162709

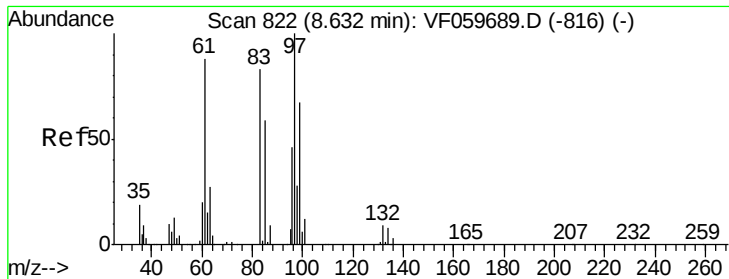
Ion Ratio Lower Upper

75 100

77 32.6 24.0 36.0

39 79.0 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 48.81 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

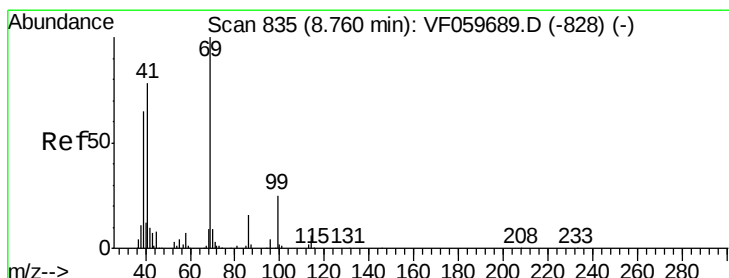
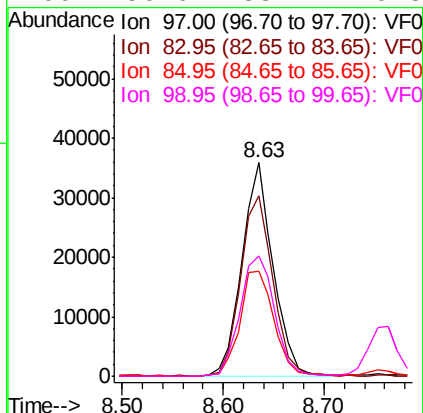
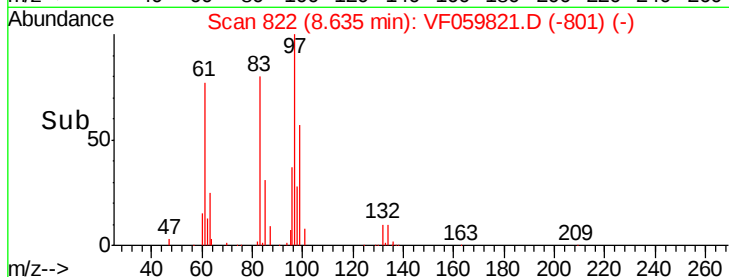
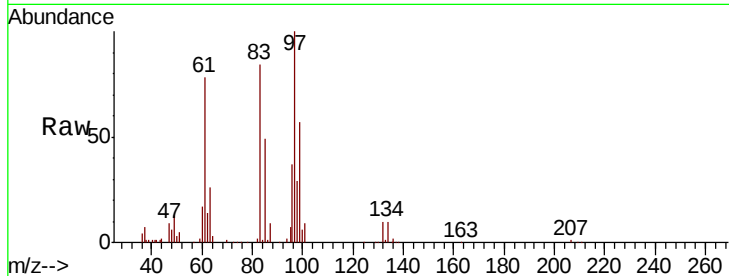
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	77242
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.6	100.0
85	48.9	47.4	71.0
99	56.6	53.2	79.8

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#56

Ethyl methacrylate

Concen: 49.17 ug/l

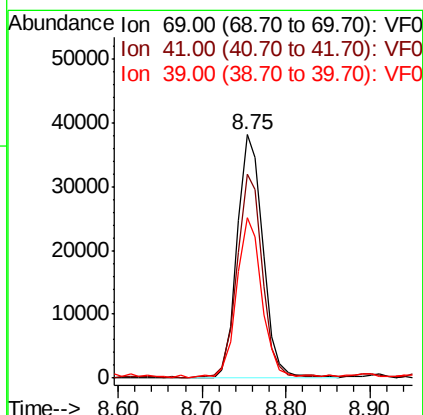
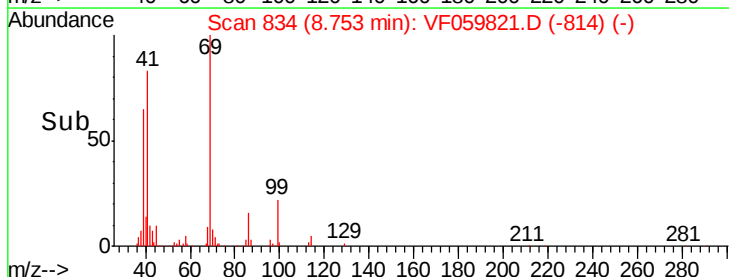
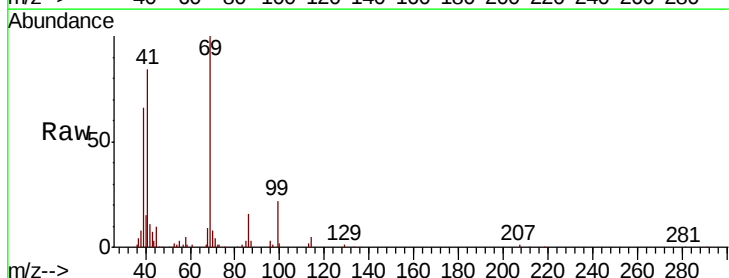
RT: 8.75 min Scan# 834

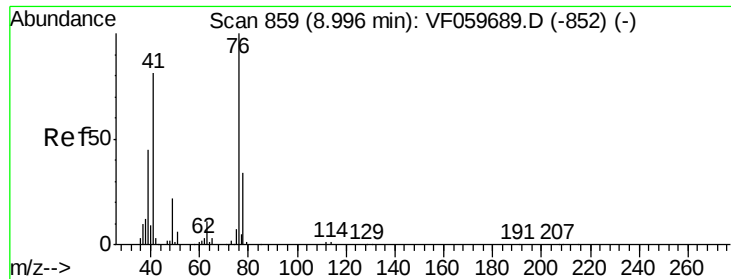
Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Tgt Ion:	69	Resp:	81147
Ion	Ratio	Lower	Upper
69	100		
41	83.6	62.3	93.5
39	66.0	52.4	78.6





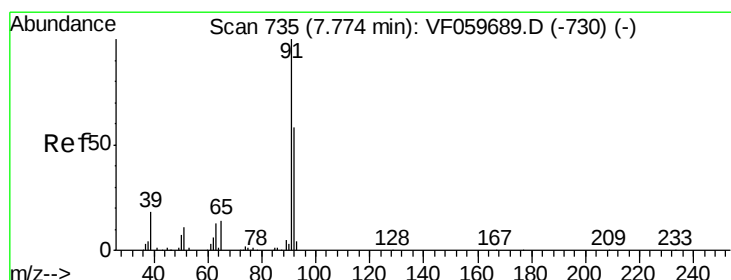
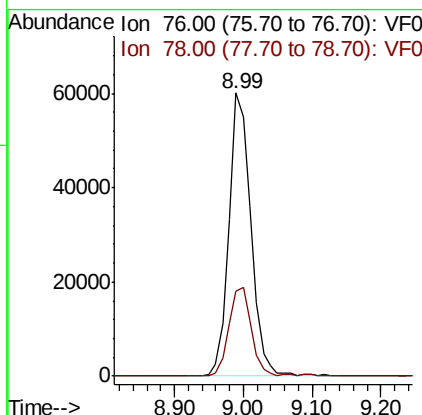
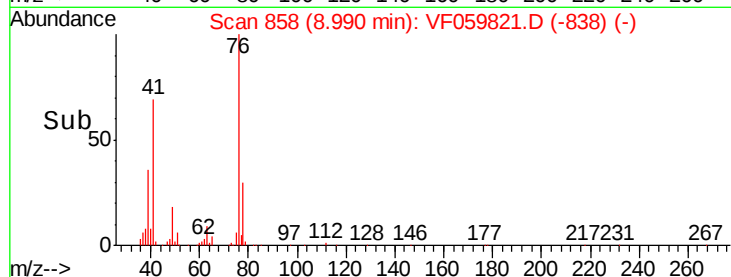
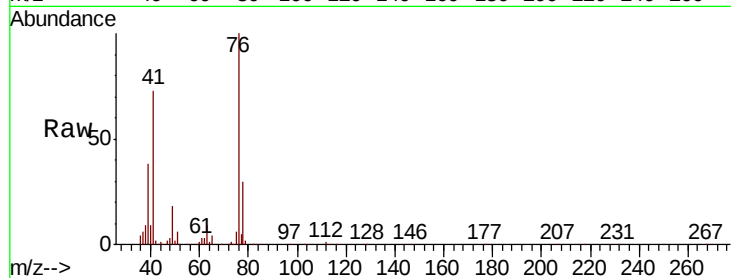
#57
 1,3-Dichloropropane
 Concen: 49.06 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 133172
 Ion Ratio Lower Upper
 76 100
 78 30.2 27.2 40.8

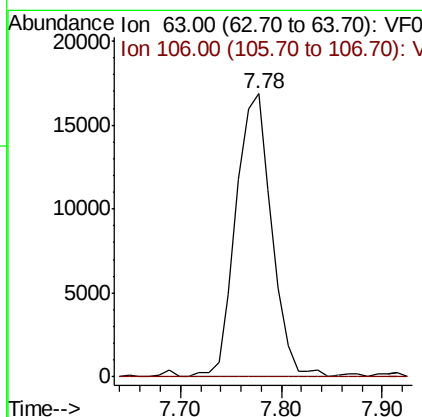
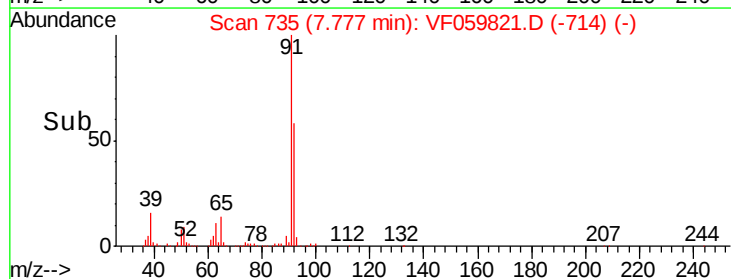
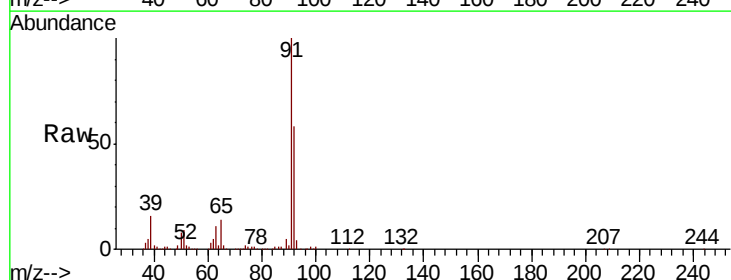
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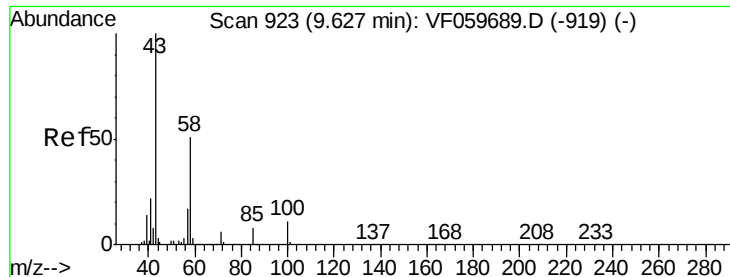
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#58
 2-Chloroethyl Vinyl ether
 Concen: 218.99 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Tgt Ion: 63 Resp: 41726
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





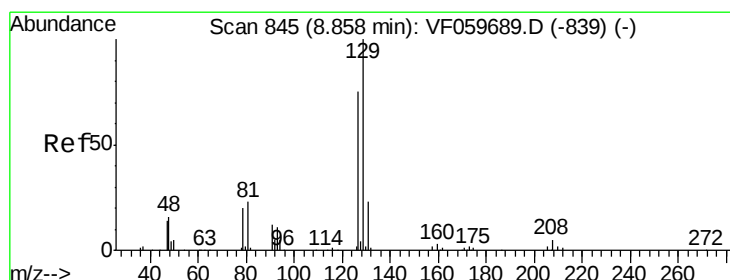
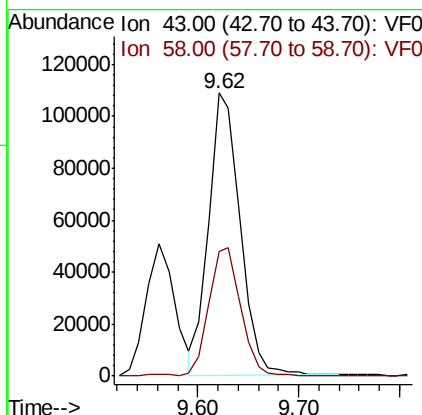
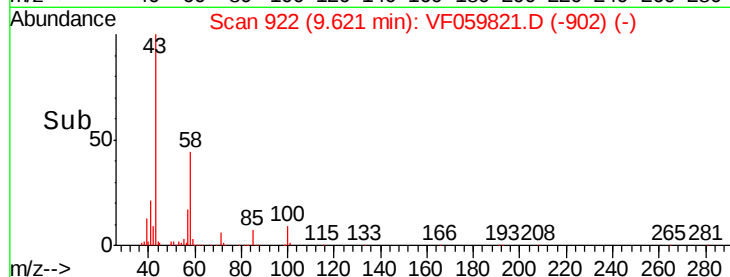
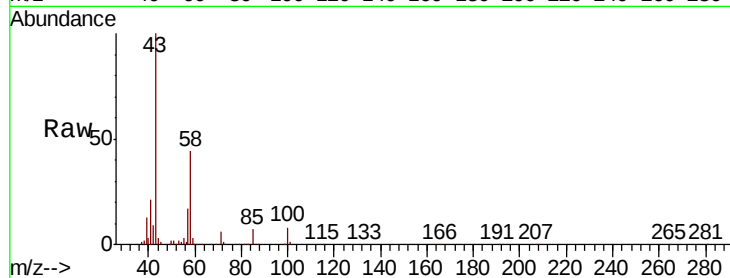
#59
2-Hexanone
Concen: 225.02 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.9	23.3	69.8

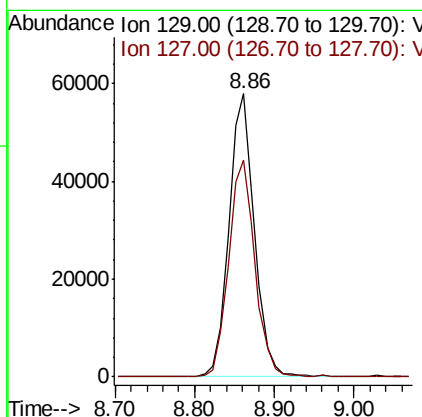
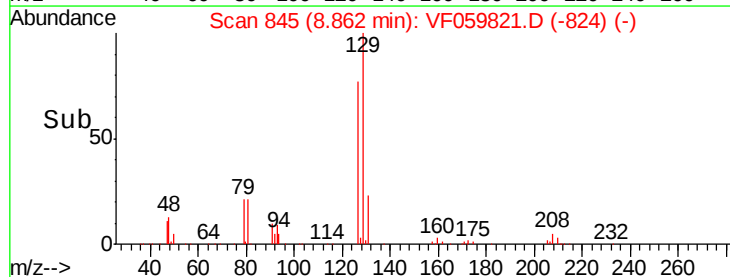
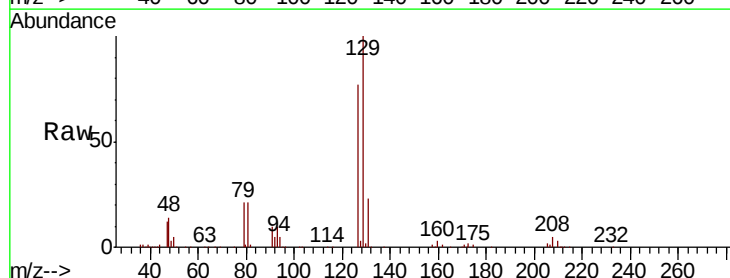
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#60
Dibromochloromethane
Concen: 46.30 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	37.7	113.1





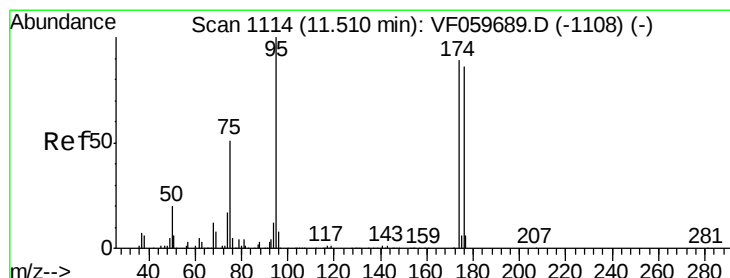
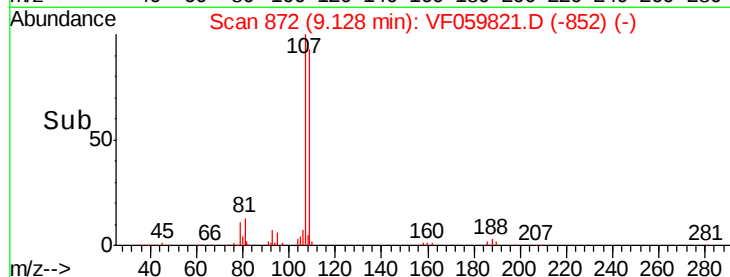
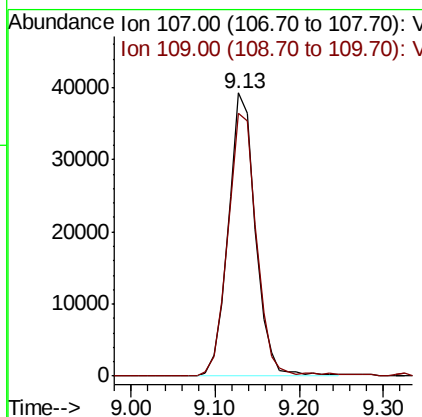
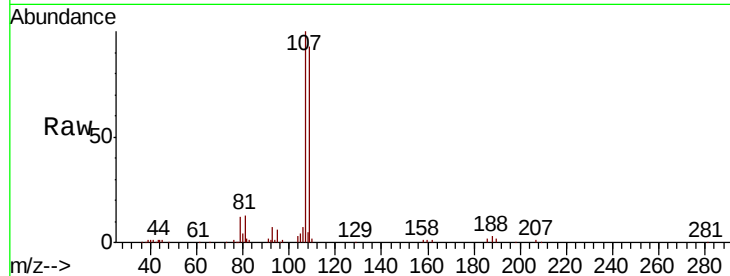
#61
 1,2-Dibromoethane
 Concen: 47.68 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	73.6	110.4

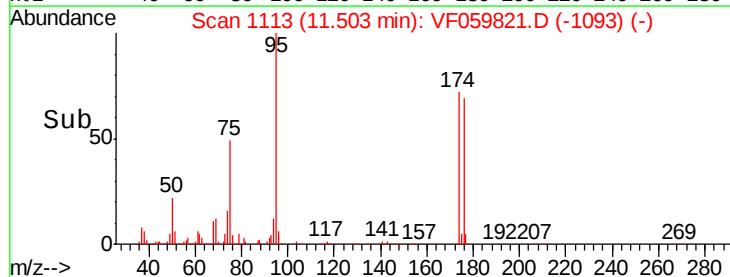
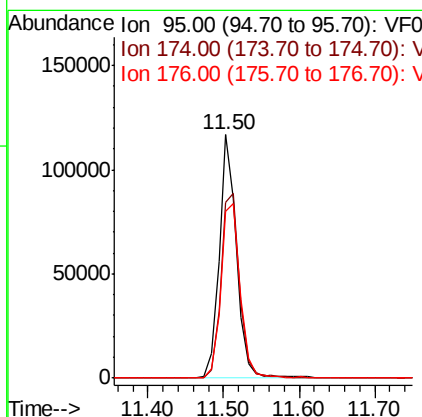
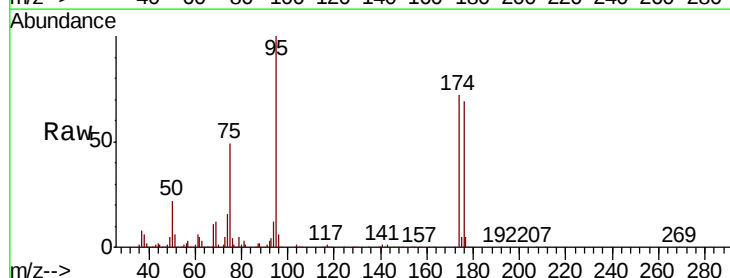
Manual Integrations
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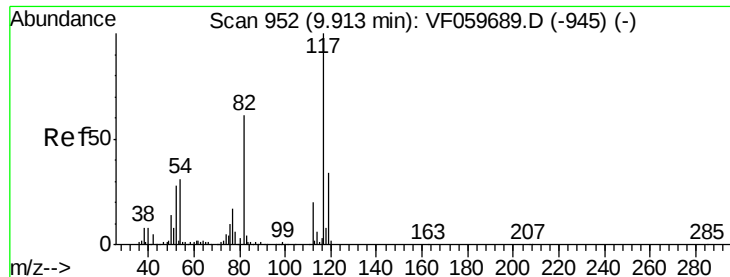
apatel
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#62
 4-Bromofluorobenzene
 Concen: 48.21 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	178.4
176	68.7	0.0	173.0





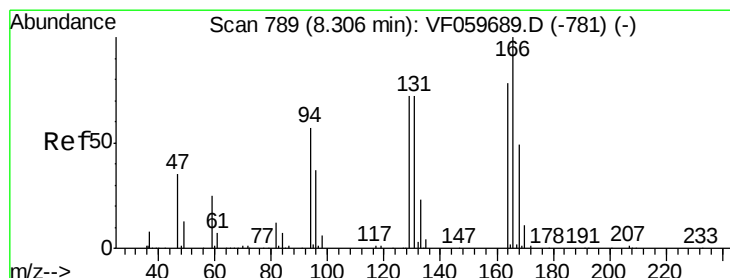
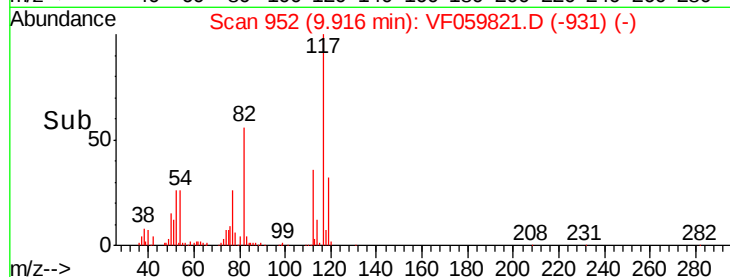
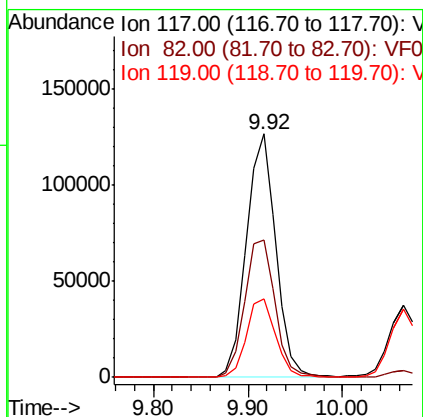
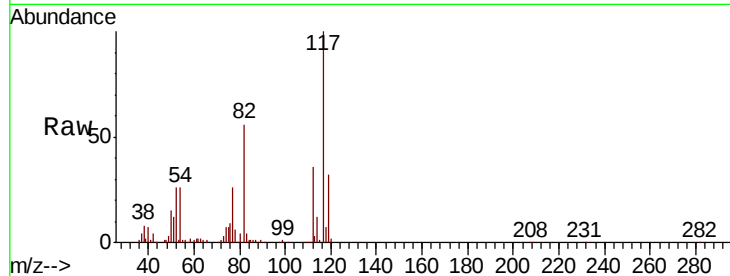
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	49.0	73.4
119	32.1	27.3	40.9

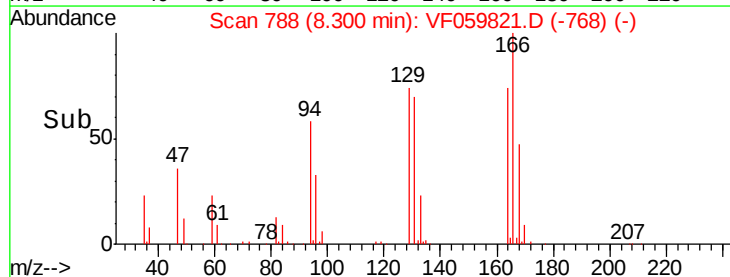
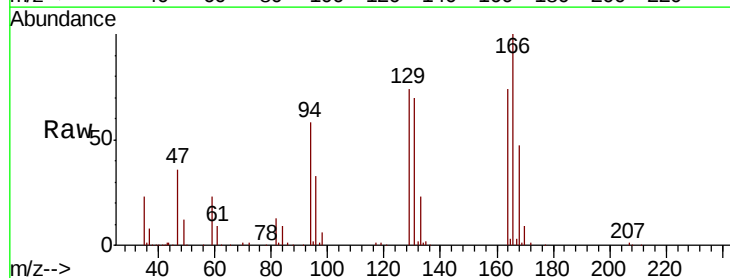
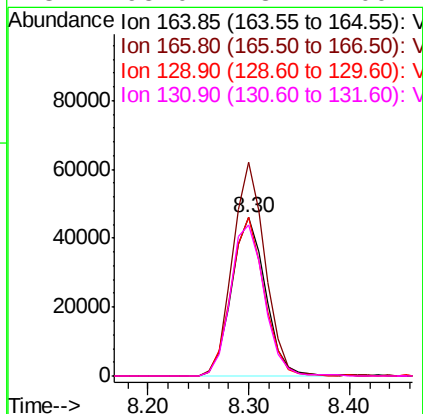
Manual Integrations
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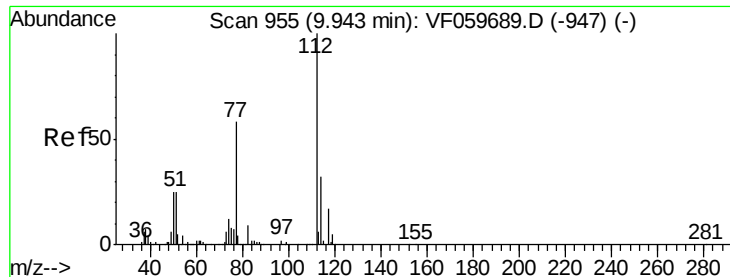
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#64
Tetrachloroethene
Concen: 59.01 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.9	102.1	153.1
129	100.4	73.8	110.6
131	95.0	73.1	109.7





#65

Chlorobenzene

Concen: 48.86 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 266742

Ion Ratio Lower Upper

112 100

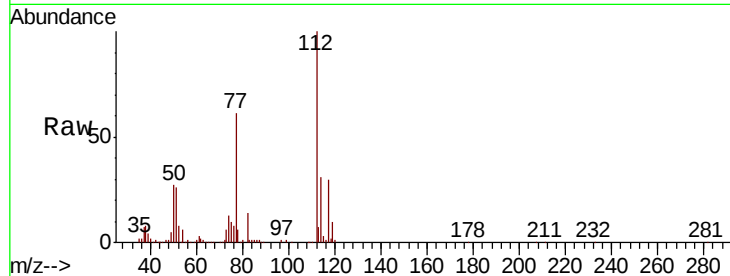
114 31.3 25.6 38.4

Manual Integrations

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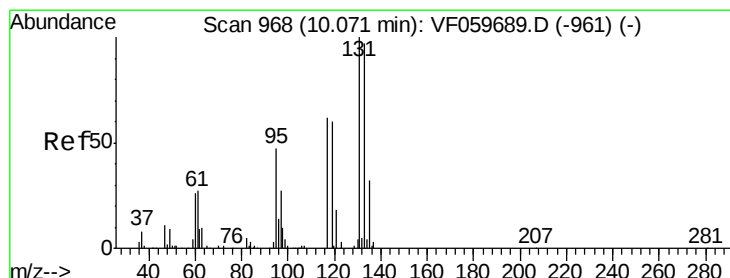
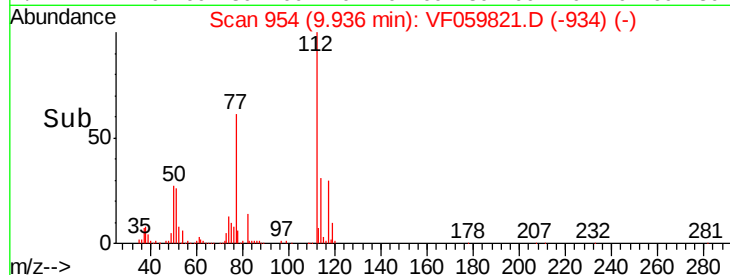
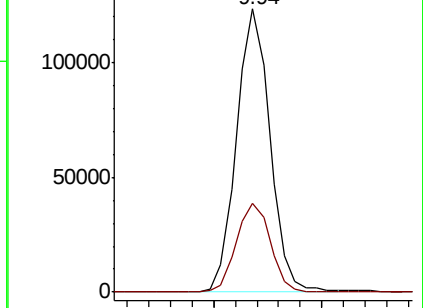
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.21 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

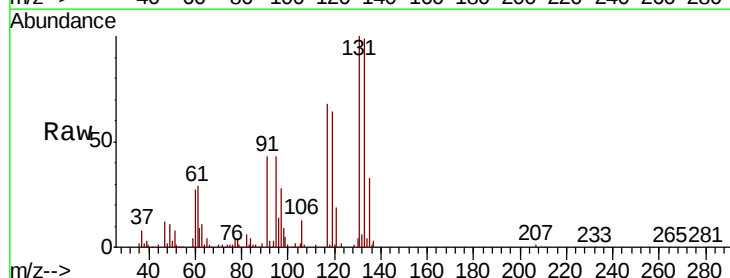
Tgt Ion:131 Resp: 122865

Ion Ratio Lower Upper

131 100

133 99.2 48.5 145.5

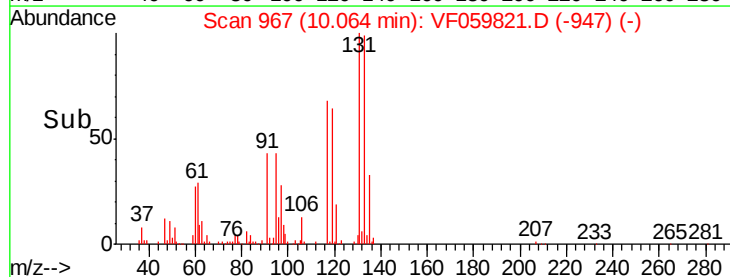
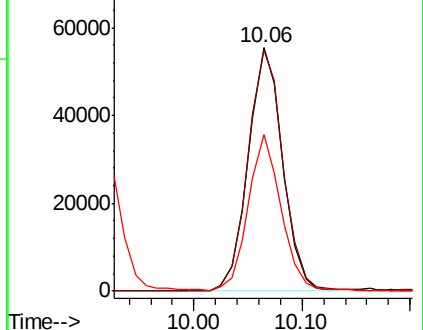
119 64.3 30.3 90.8

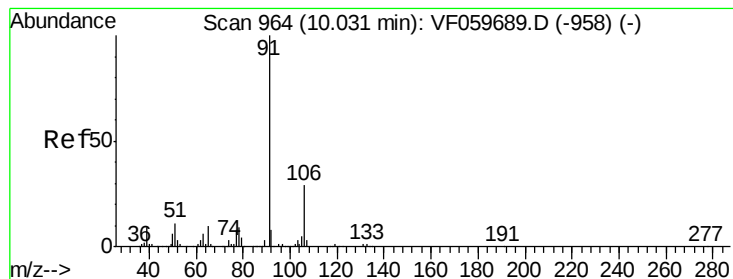


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





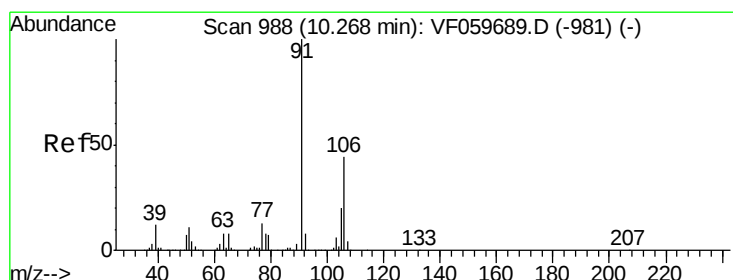
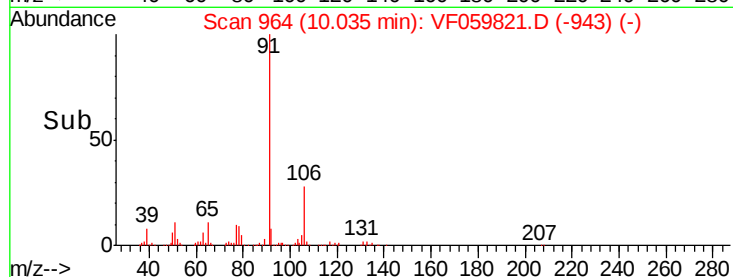
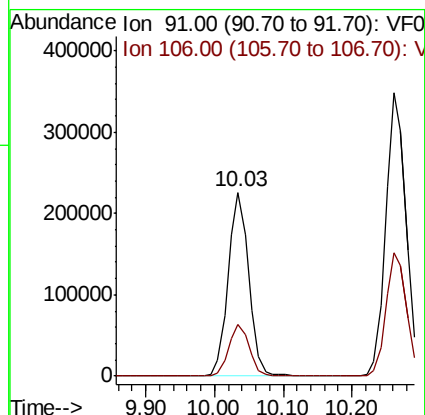
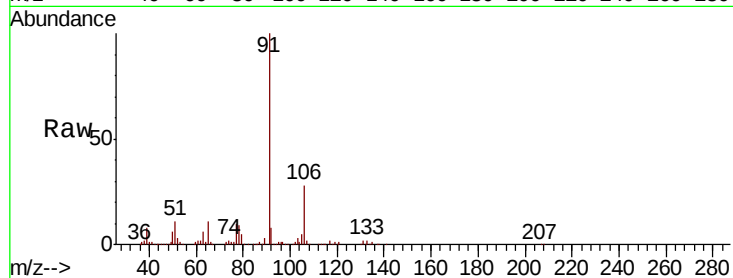
#67
Ethyl Benzene
Concen: 49.67 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 469116
Ion Ratio Lower Upper
91 100
106 28.1 22.9 34.3

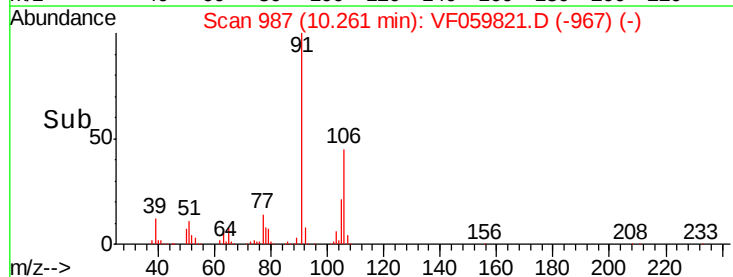
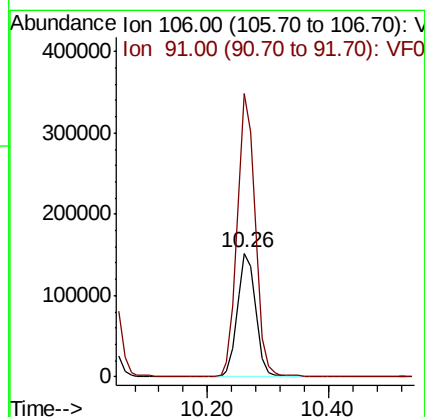
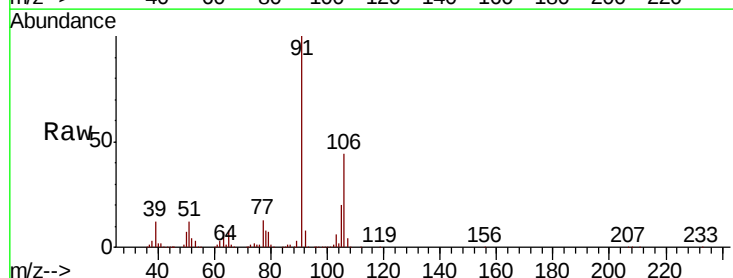
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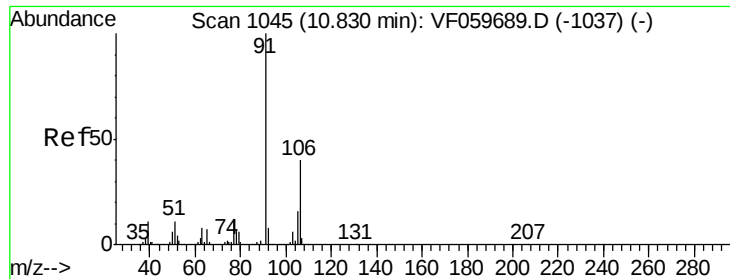
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#68
m/p-Xylenes
Concen: 109.53 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion: 106 Resp: 320769
Ion Ratio Lower Upper
106 100
91 228.7 181.7 272.5





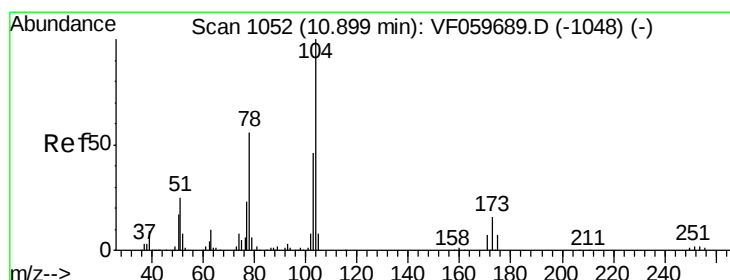
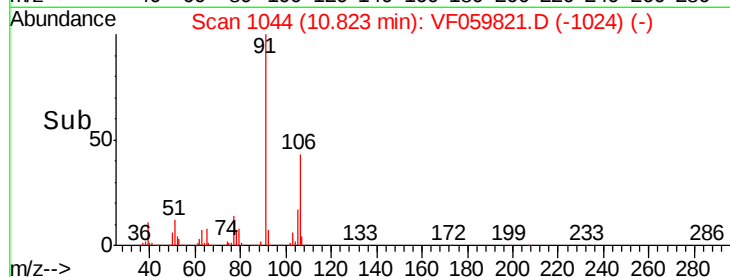
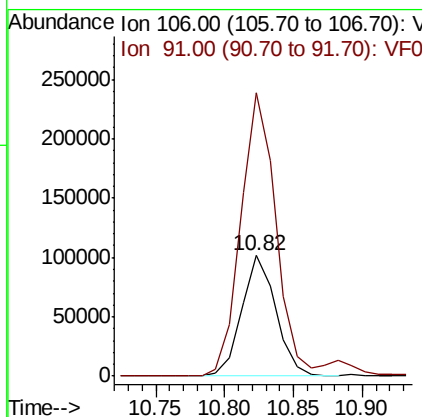
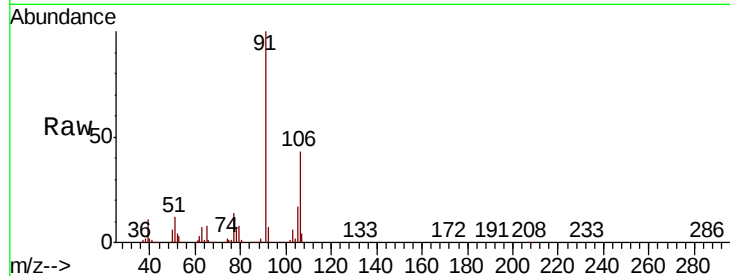
#69
o-Xylene
Concen: 50.61 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	234.7	124.6	373.7

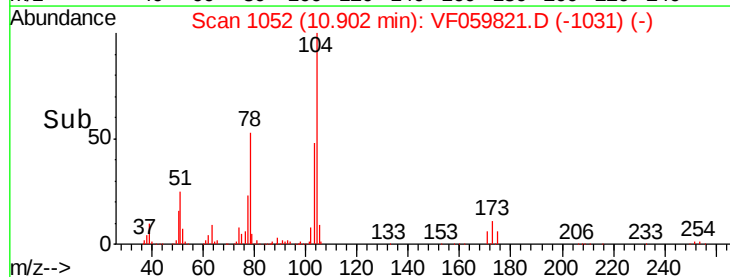
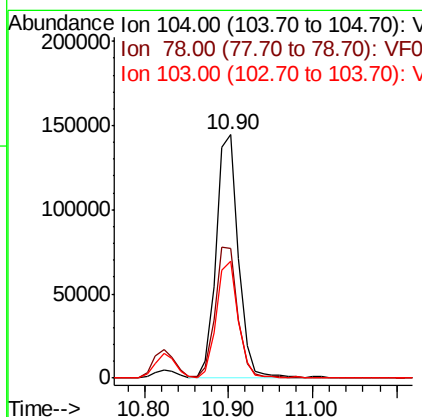
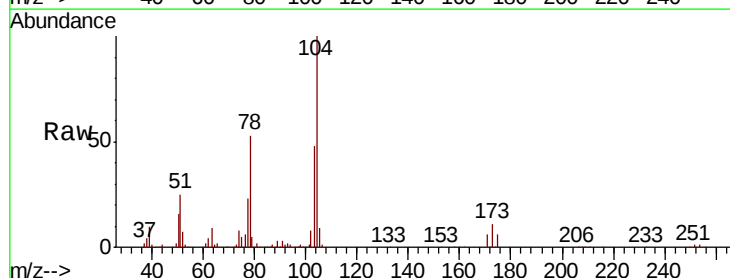
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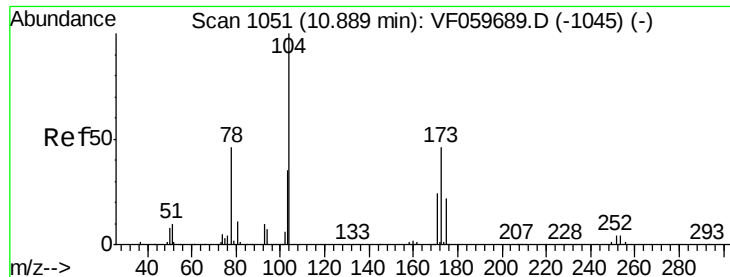
apatel
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#70
Styrene
Concen: 50.16 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.1	45.3	67.9
103	48.2	36.6	54.8





#71

Bromoform

Concen: 51.42 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 85389

Ion Ratio Lower Upper

173 100

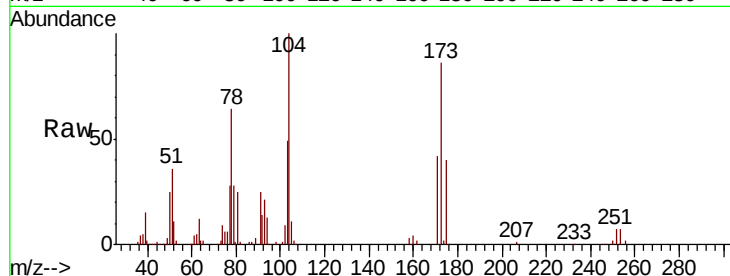
175 45.4 23.4 70.0

254 0.0 0.0 0.0

Manual Integrations
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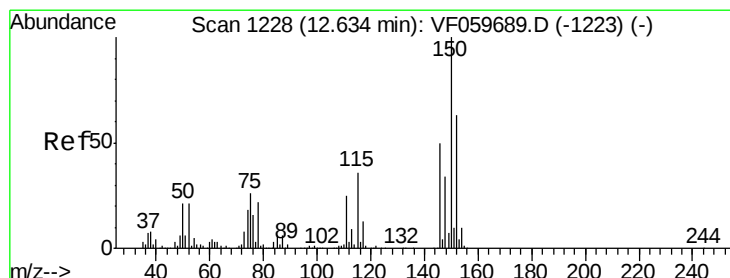
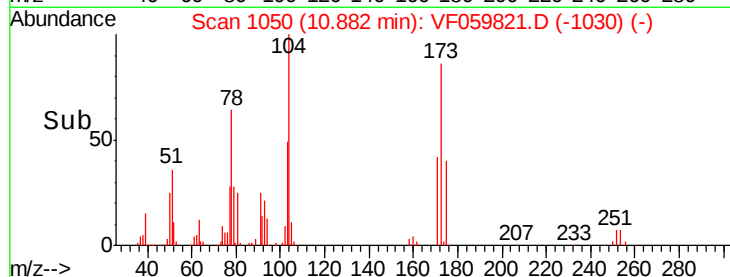
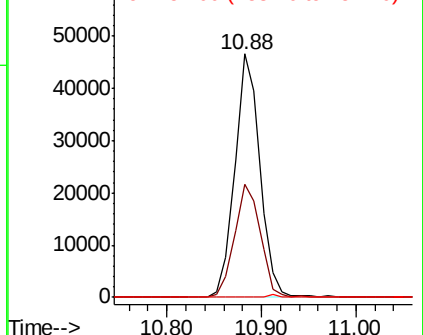


Abundance

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: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

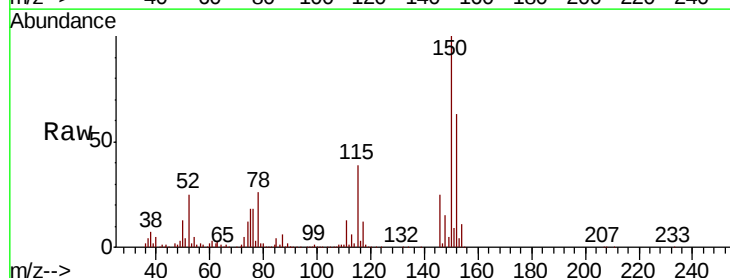
Tgt Ion:152 Resp: 167321

Ion Ratio Lower Upper

152 100

115 61.4 28.2 84.6

150 158.0 0.0 316.2

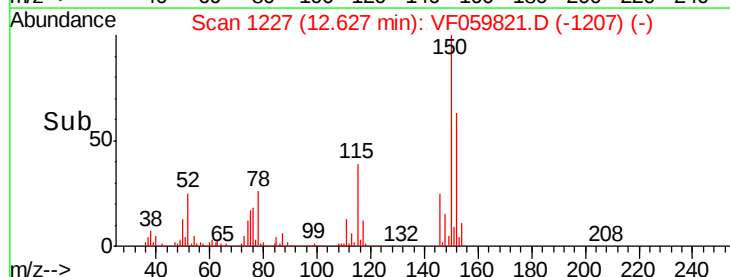
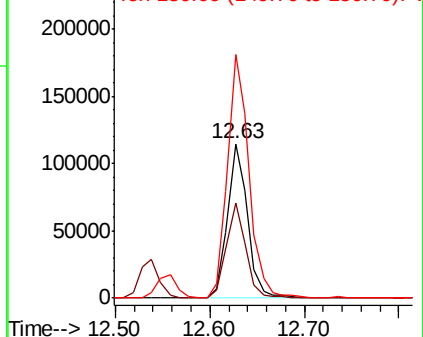


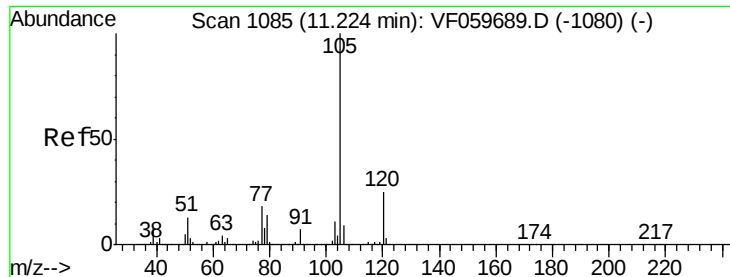
Abundance

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: 51.34 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 563687

Ion Ratio Lower Upper

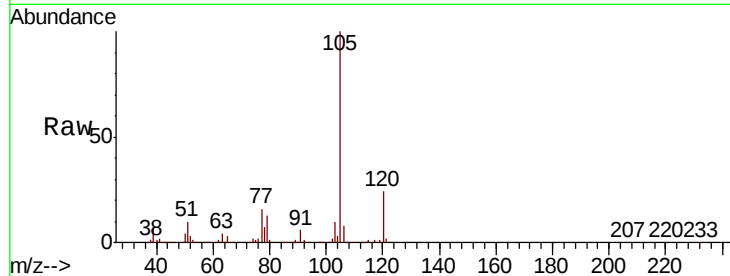
105 100

120 23.8 12.4 37.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

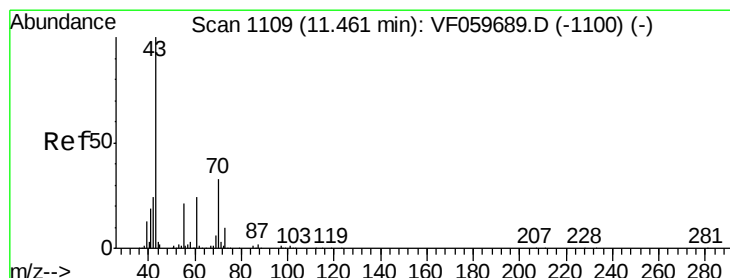
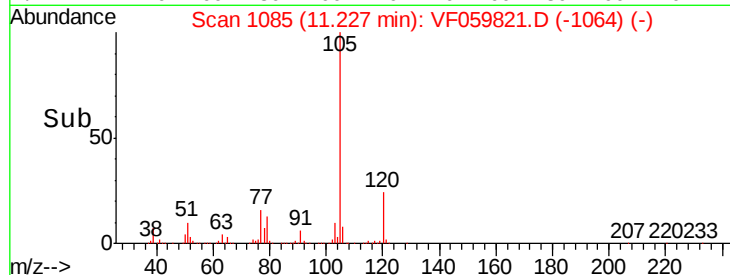
300000

200000

100000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 50.11 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Tgt Ion: 43 Resp: 138783

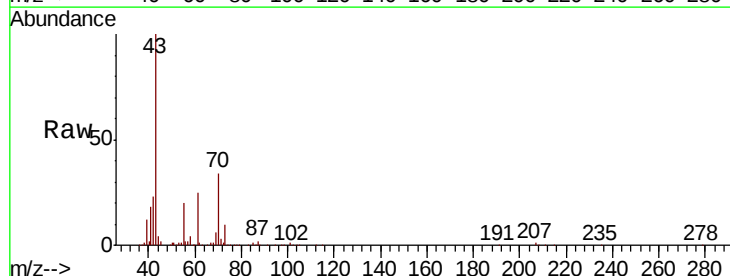
Ion Ratio Lower Upper

43 100

70 34.5 26.3 39.5

55 19.6 16.6 25.0

61 24.8 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

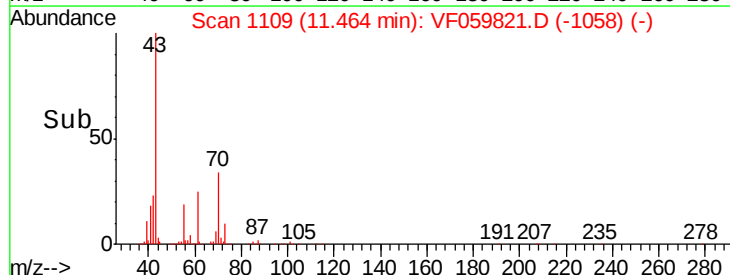
11.46

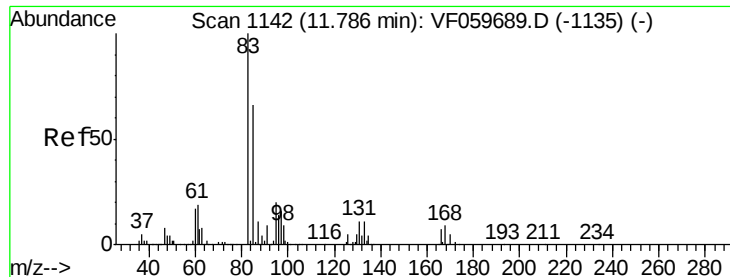
100000

50000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 55.54 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

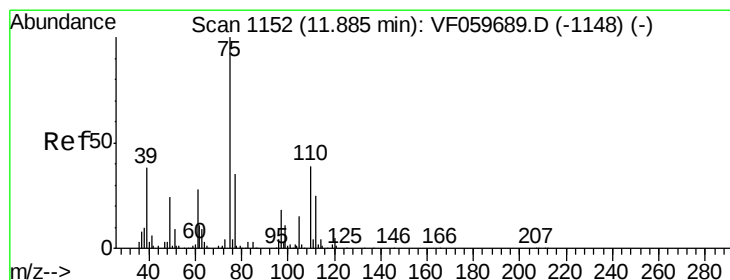
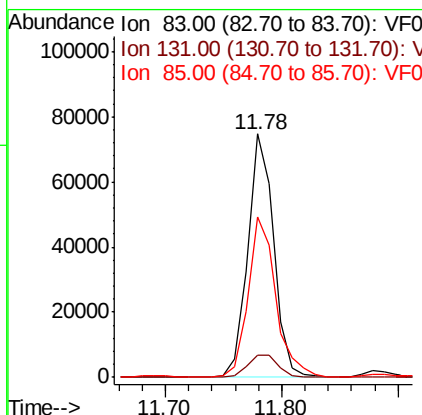
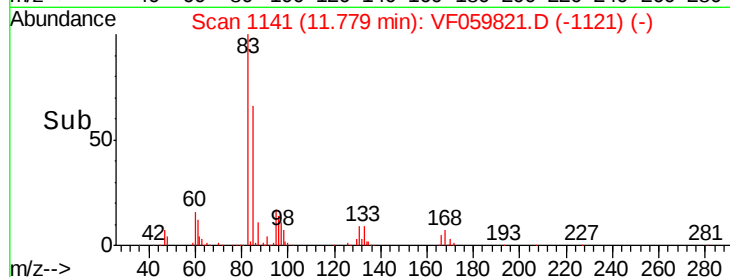
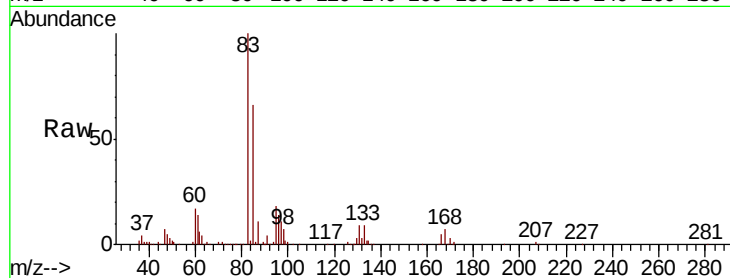
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	114773
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.8	17.3
85	65.8	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.34 ug/l

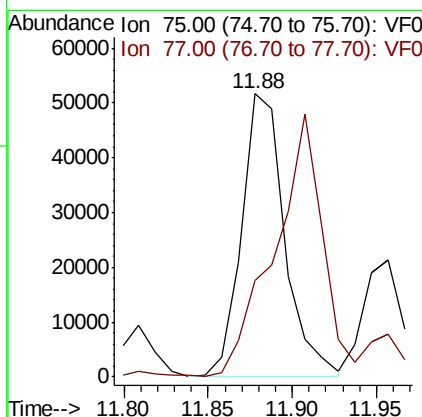
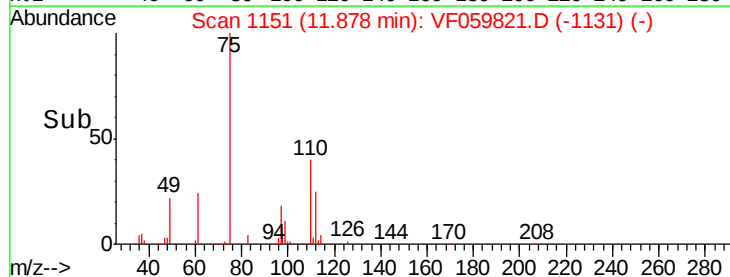
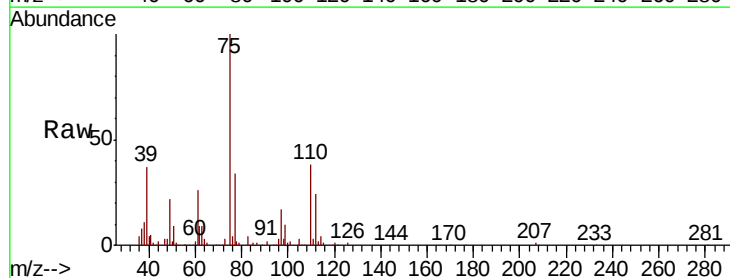
RT: 11.88 min Scan# 1151

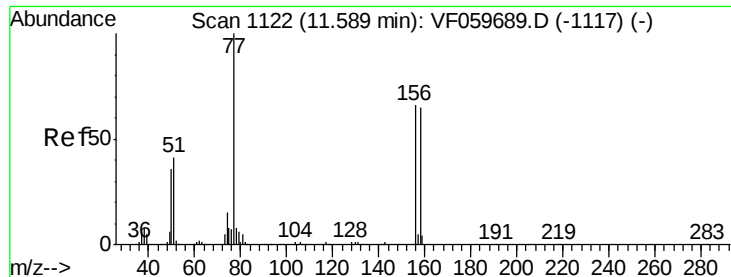
Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Tgt Ion:	75	Resp:	91976
Ion Ratio	Lower	Upper	
75	100		
77	34.0	18.0	54.0





#77

Bromobenzene

Concen: 48.48 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

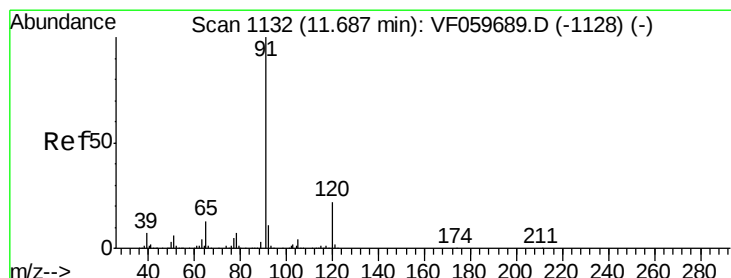
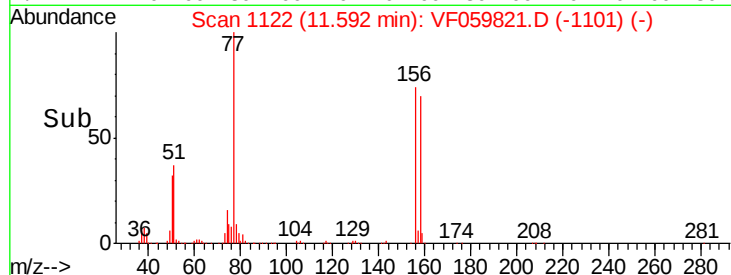
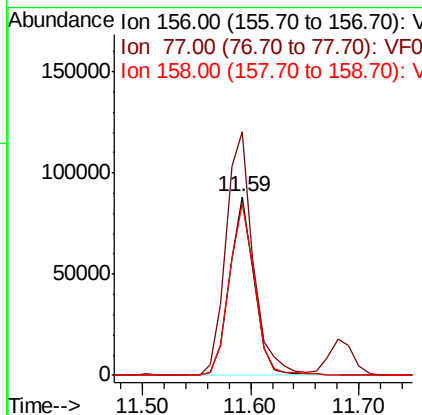
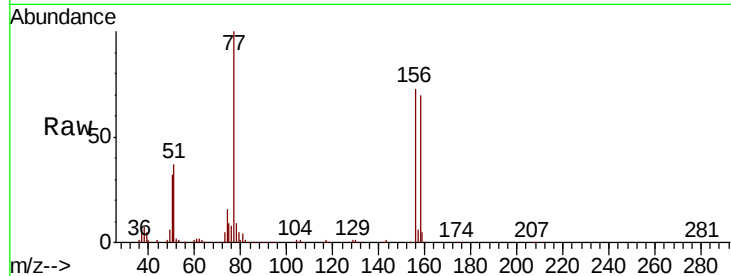
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.2	75.2	225.6
158	95.9	49.1	147.3

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#78

n-propylbenzene

Concen: 57.17 ug/l

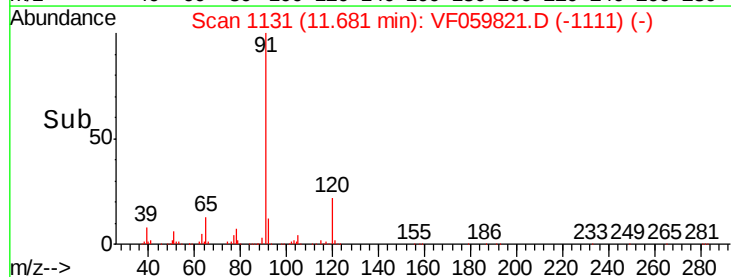
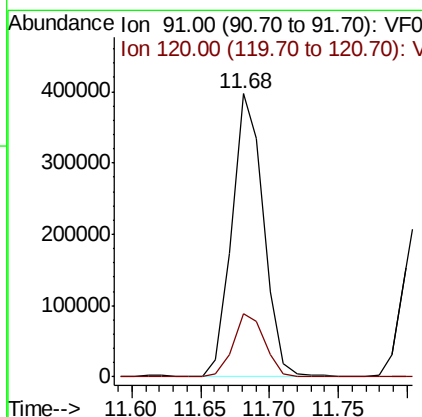
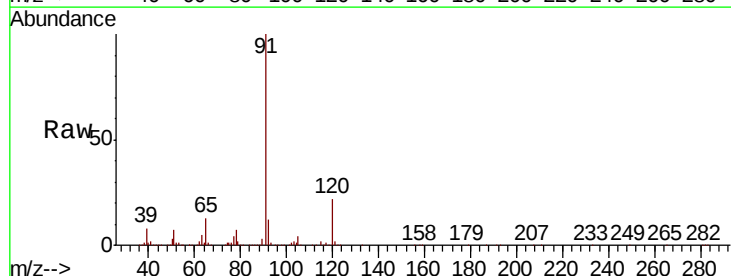
RT: 11.68 min Scan# 1131

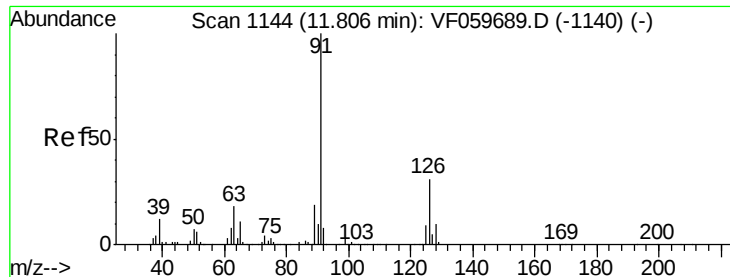
Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.0	33.0





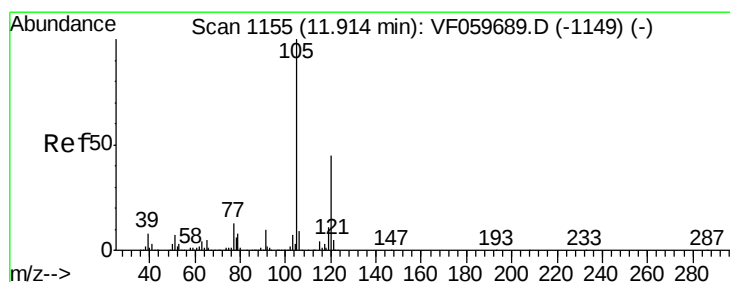
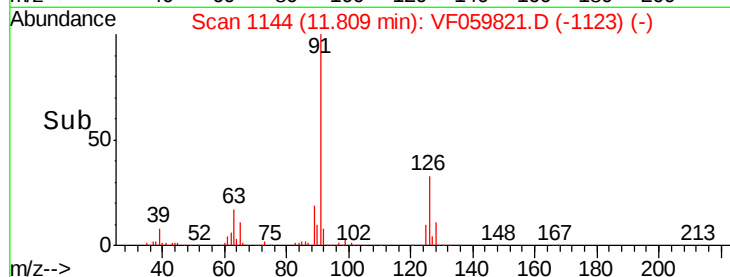
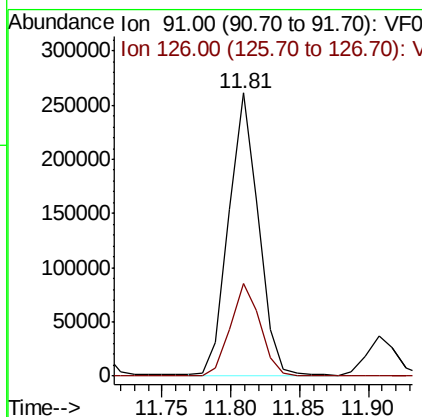
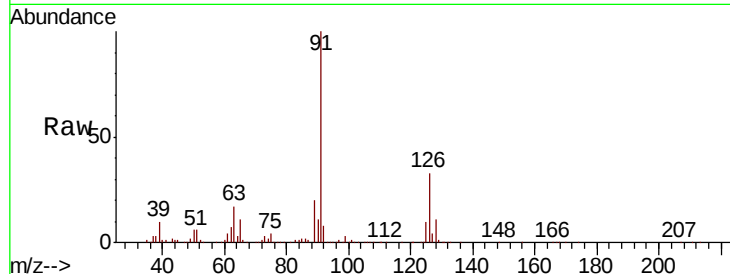
#79
2-Chlorotoluene
Concen: 55.50 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	389661		
126	32.9	15.4	46.2	

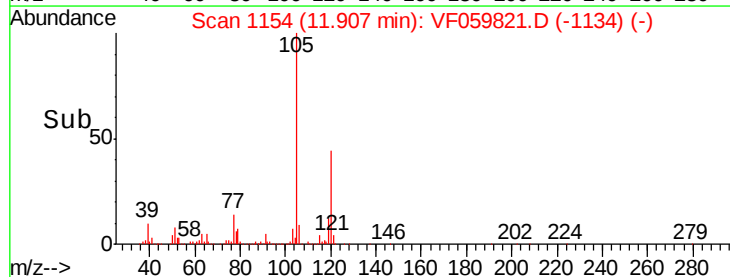
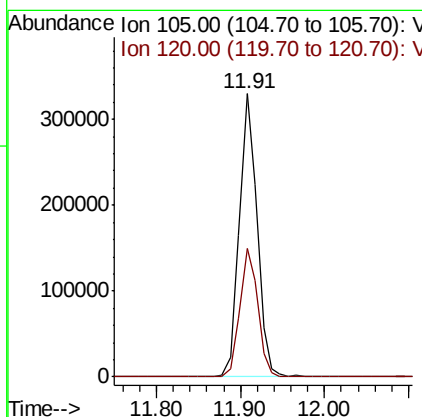
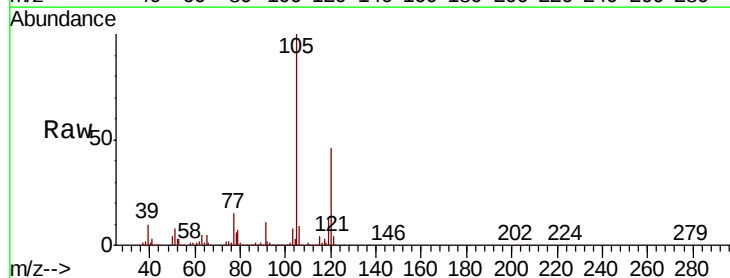
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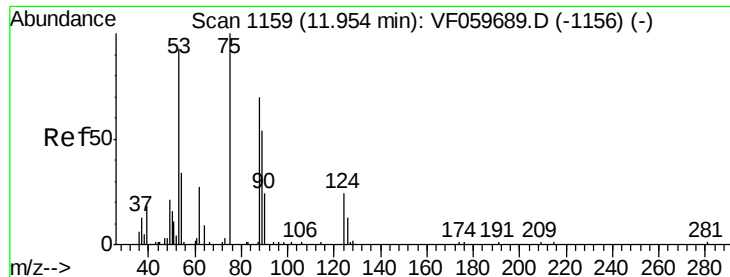
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 56.16 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	485013		
120	45.6	22.7	68.0	





#81

trans-1,4-Dichloro-2-butene

Concen: 50.48 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

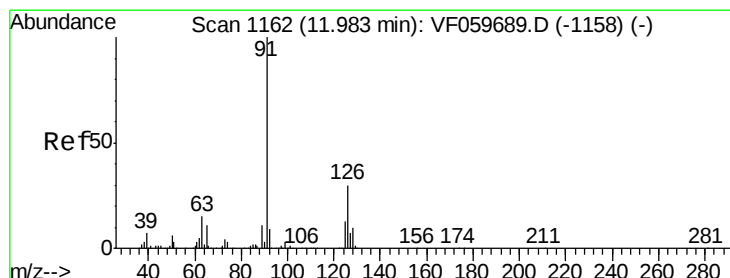
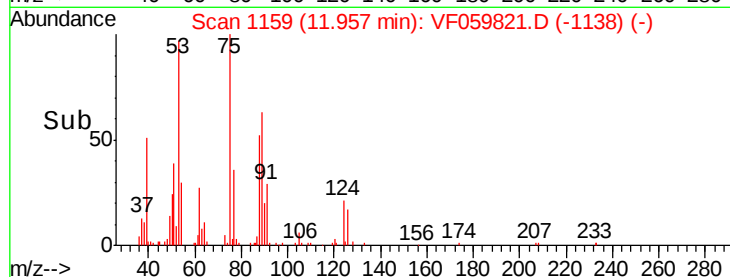
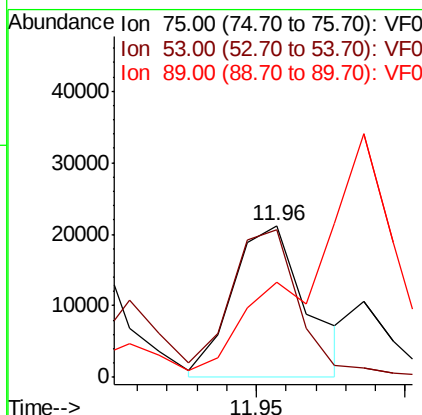
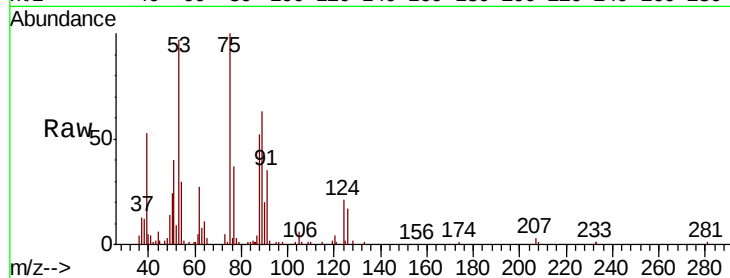
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	36740
Ion Ratio	Lower	Upper	
75	100		
53	97.2	78.3	117.5
89	62.8	45.4	68.2

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#82

4-Chlorotoluene

Concen: 53.61 ug/l

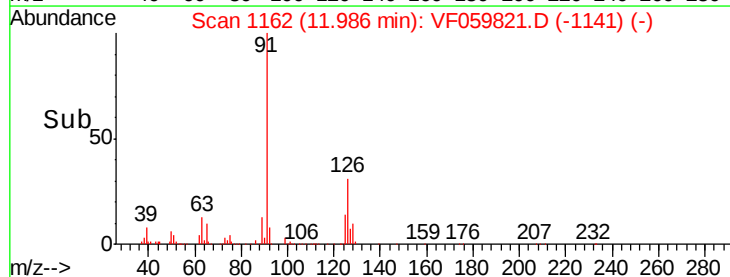
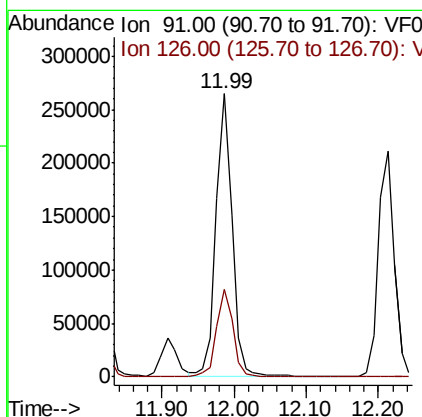
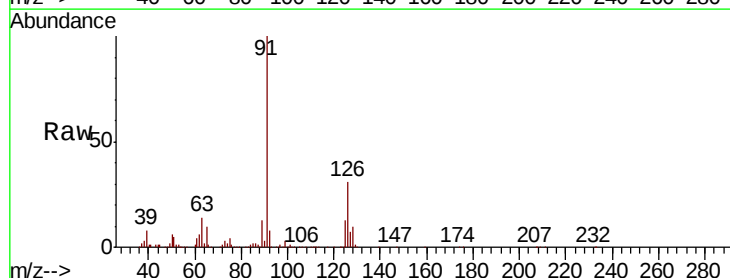
RT: 11.99 min Scan# 1162

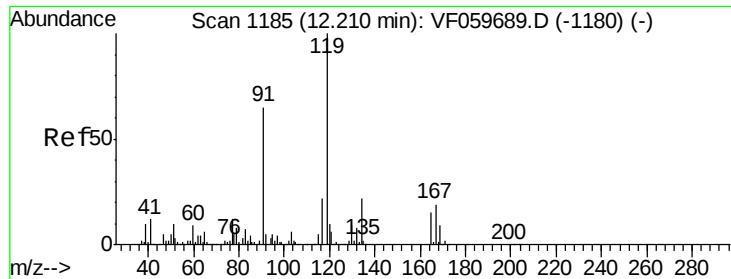
Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Tgt Ion:	91	Resp:	403373
Ion Ratio	Lower	Upper	
91	100		
126	30.8	15.2	45.6





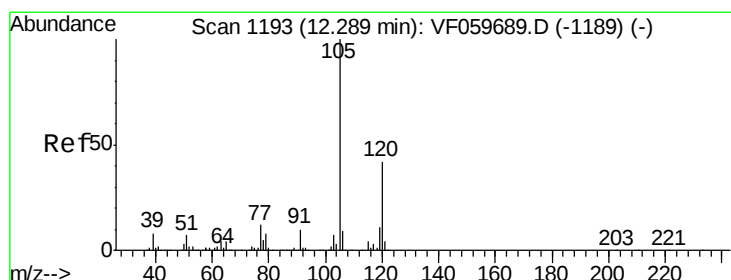
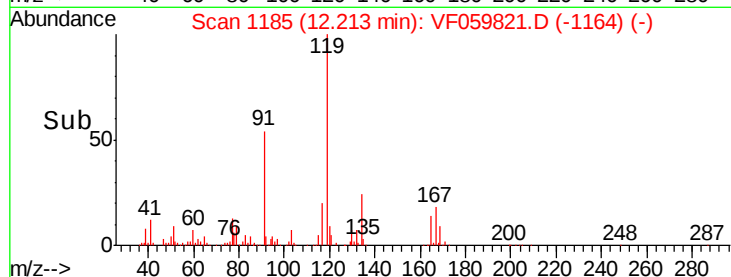
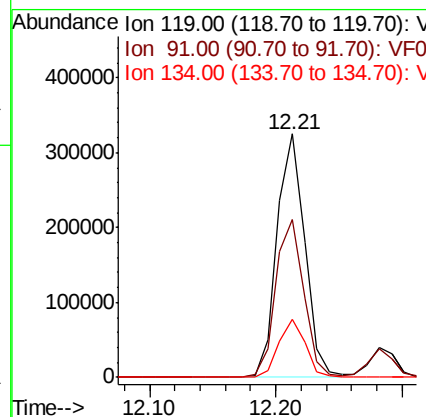
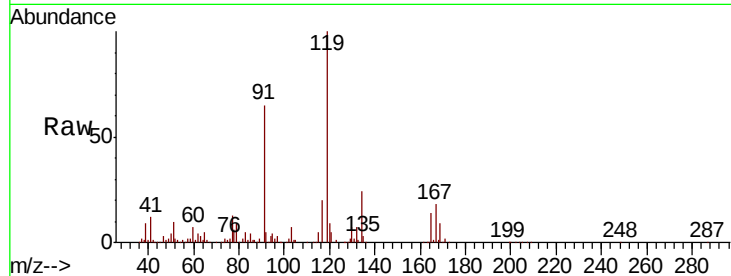
#83
 tert-Butylbenzene
 Concen: 50.52 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.8	98.4
134	23.9	10.9	32.7

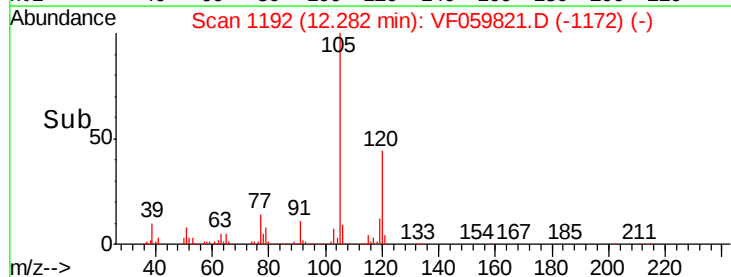
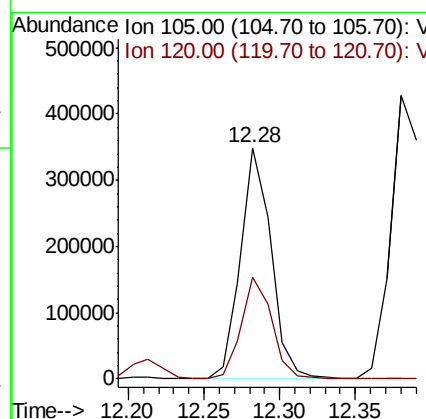
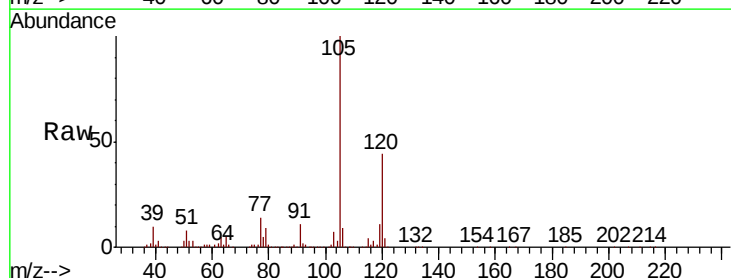
Manual Integrations
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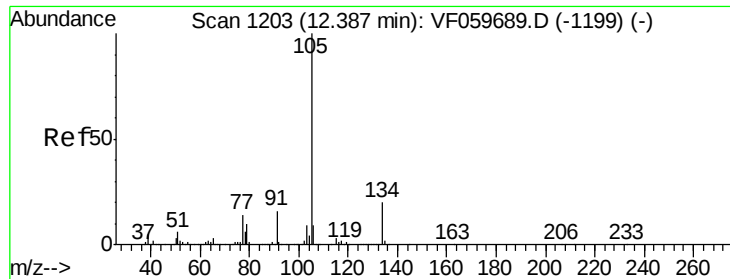
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.81 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.1	63.3





#85

sec-Butylbenzene

Concen: 58.30 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 643756

Ion Ratio Lower Upper

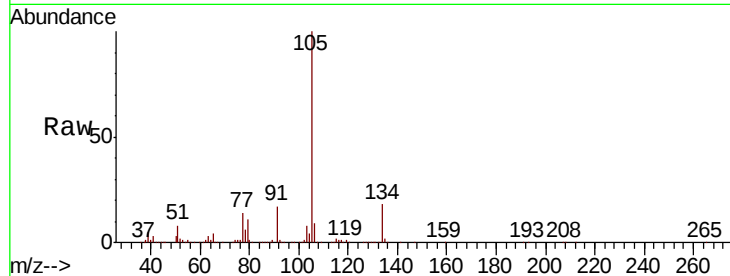
105 100

134 17.7 9.8 29.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.38

400000

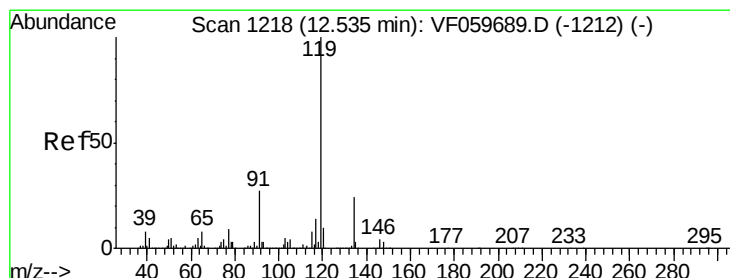
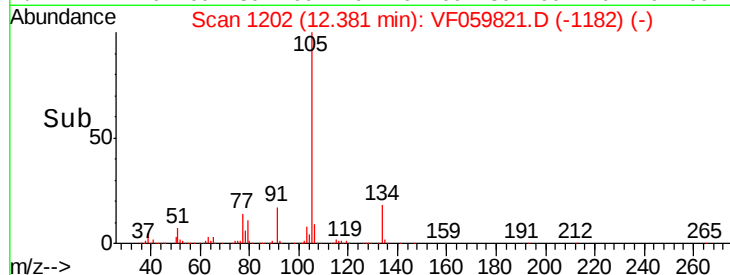
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 56.49 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

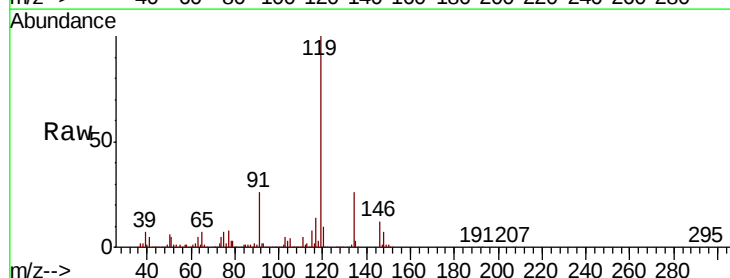
Tgt Ion:119 Resp: 545147

Ion Ratio Lower Upper

119 100

134 25.6 12.2 36.6

91 26.4 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.54

400000

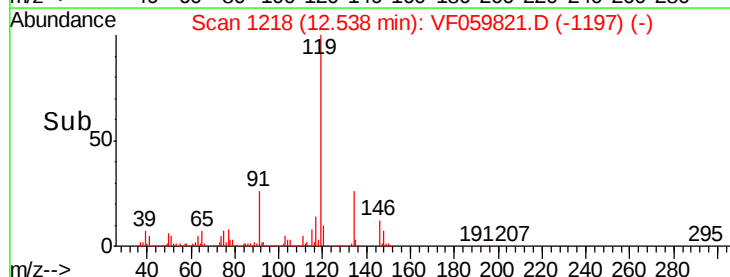
300000

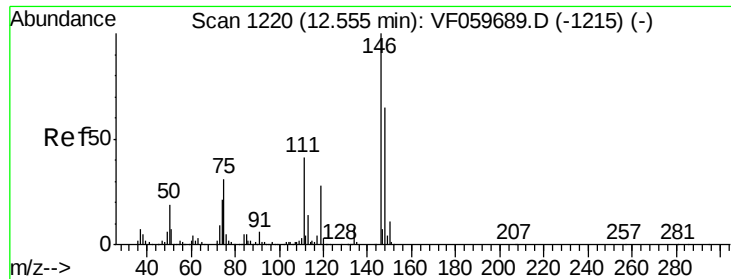
200000

100000

0

Time-->





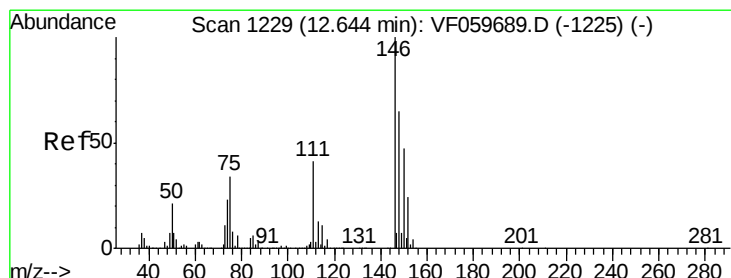
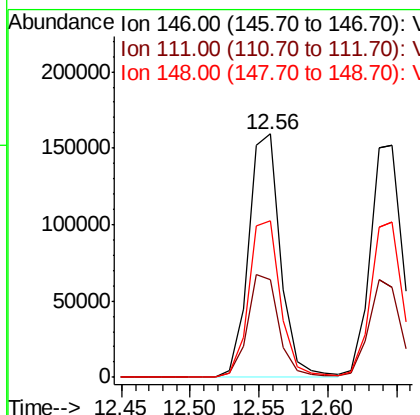
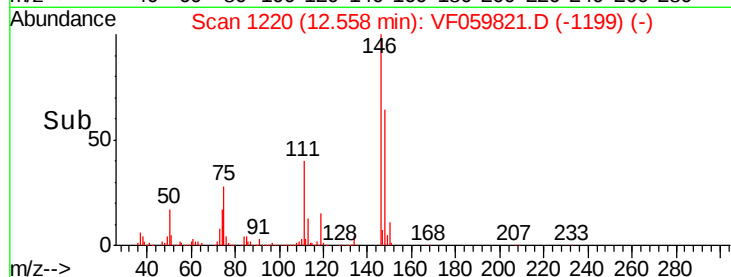
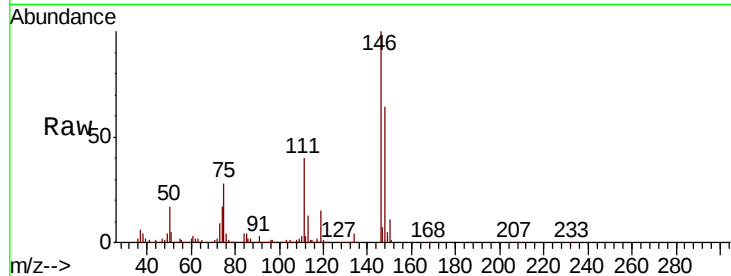
#87
 1,3-Dichlorobenzene
 Concen: 55.76 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.7	62.1
148	64.4	32.3	96.8

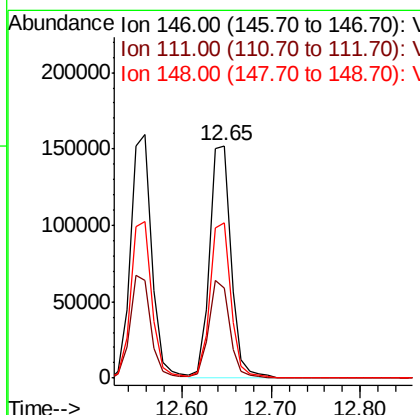
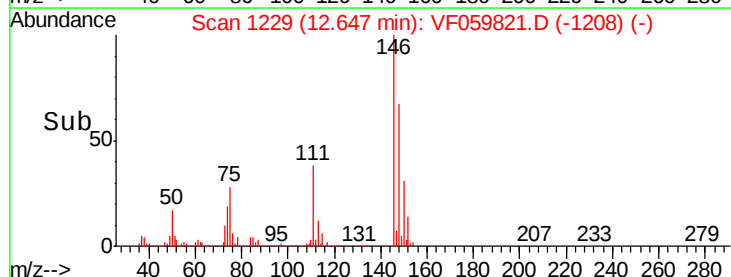
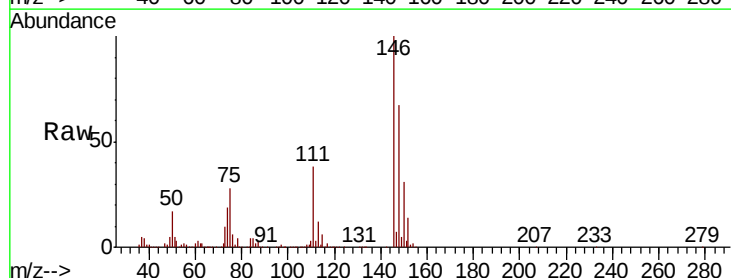
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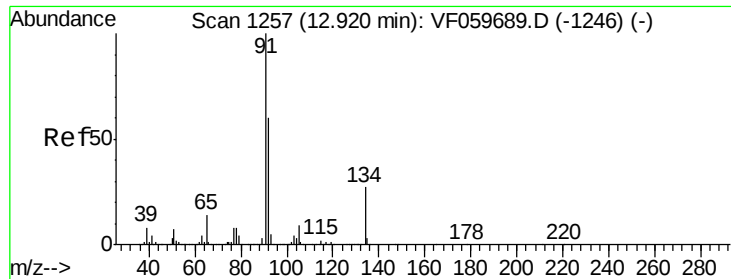
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#88
 1,4-Dichlorobenzene
 Concen: 54.07 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.8	62.2
148	66.6	32.3	96.9





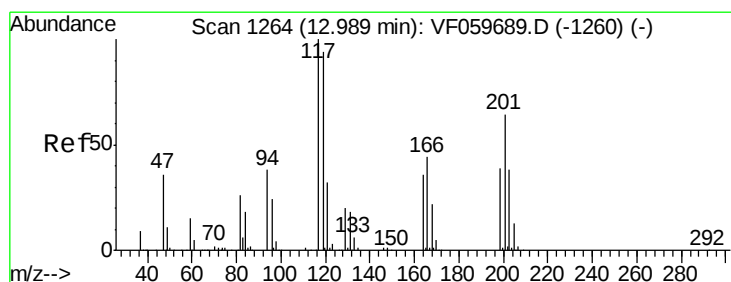
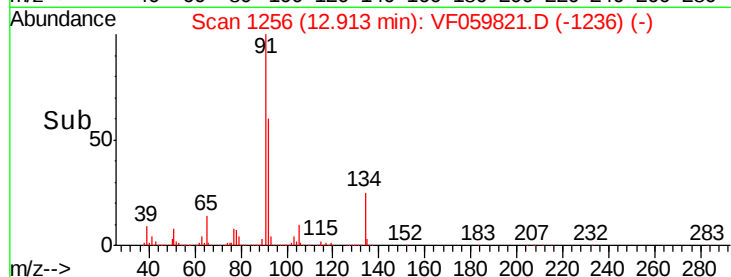
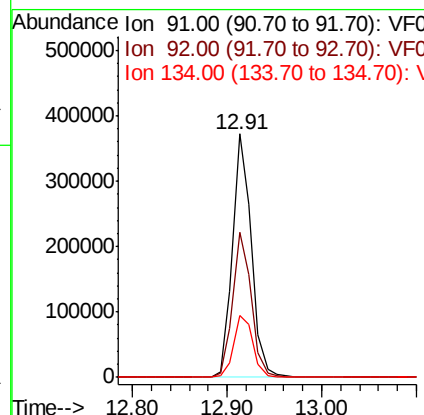
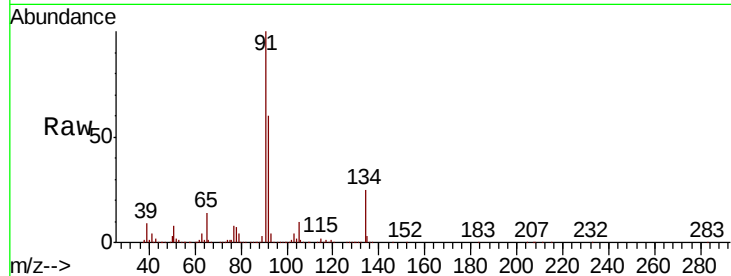
#89
n-Butylbenzene
Concen: 56.08 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	513895		
92	59.5		30.1	90.3
134	25.2		13.7	41.0

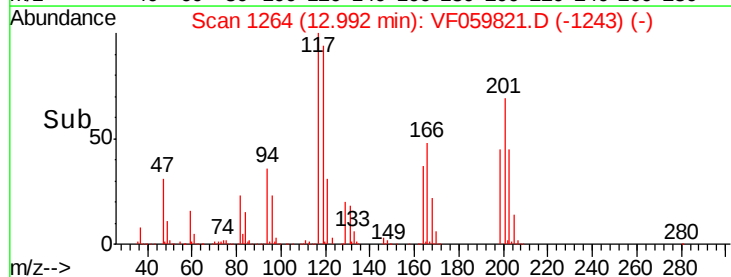
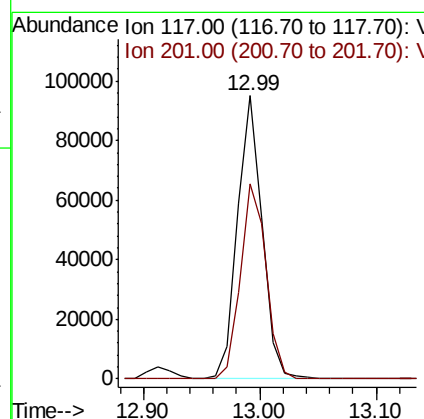
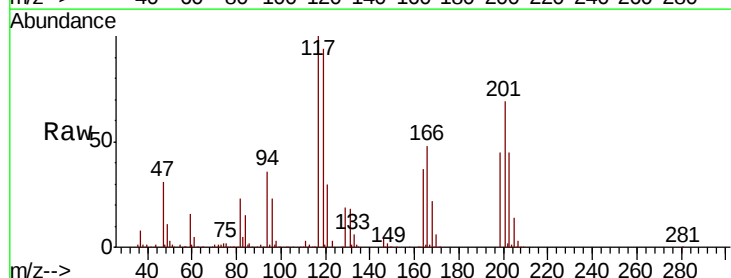
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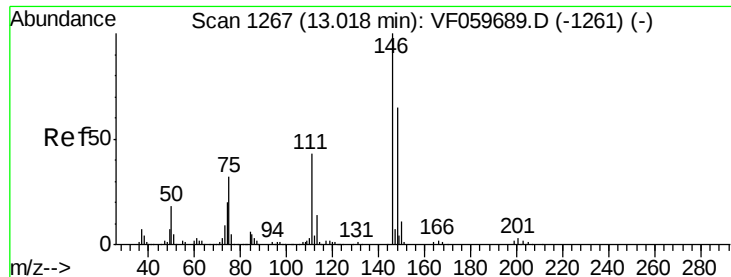
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#90
Hexachloroethane
Concen: 50.46 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	139741		
201	68.9		31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 56.38 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Instrument :

MSVOA_F

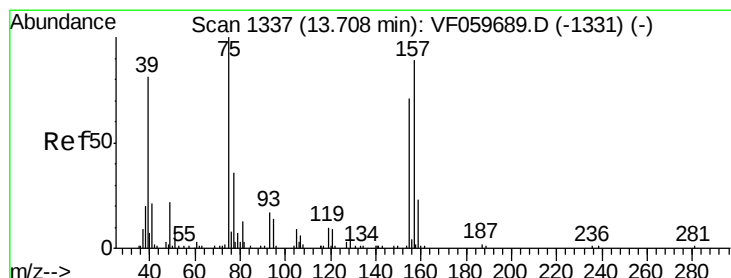
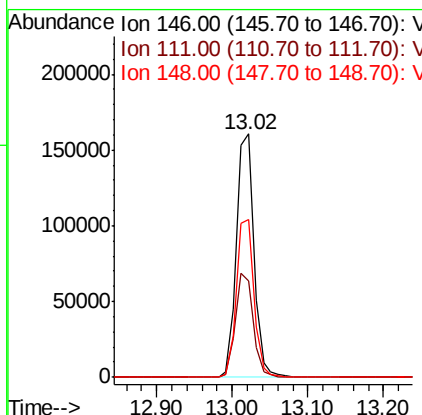
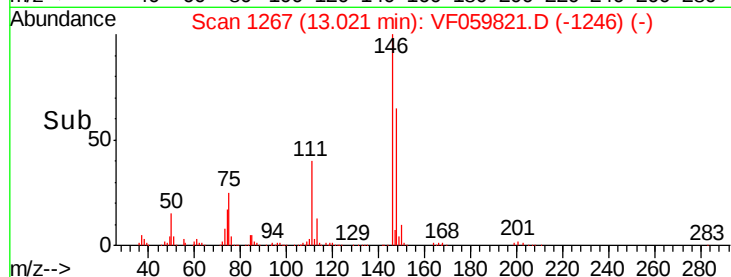
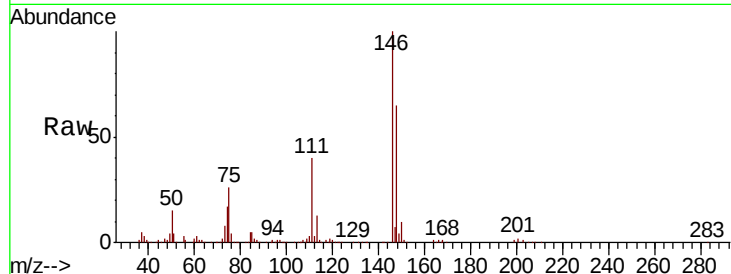
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	255653
Ion Ratio	Lower	Upper	
146	100		
111	39.8	21.6	65.0
148	64.8	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 54.79 ug/l

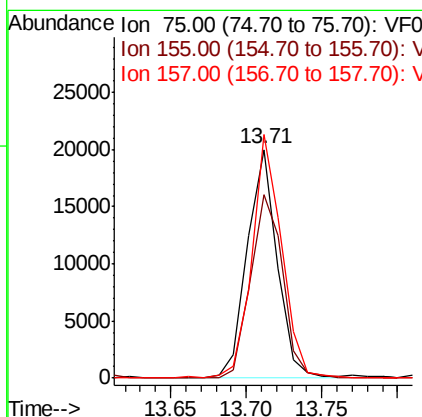
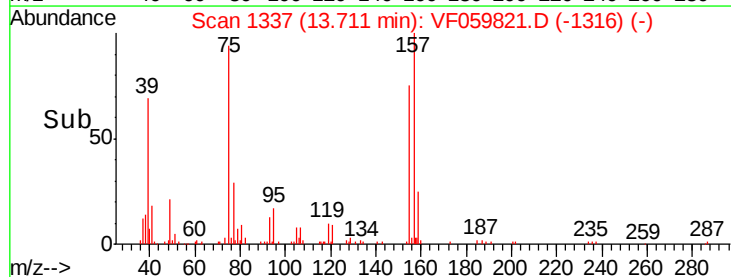
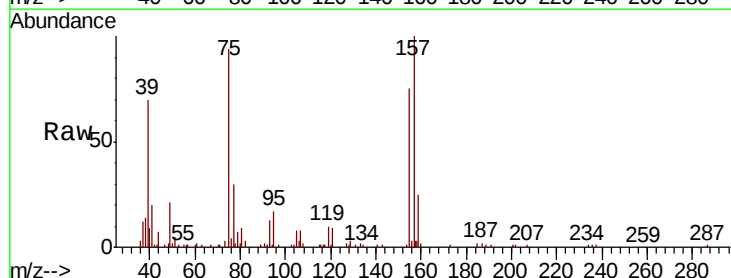
RT: 13.71 min Scan# 1337

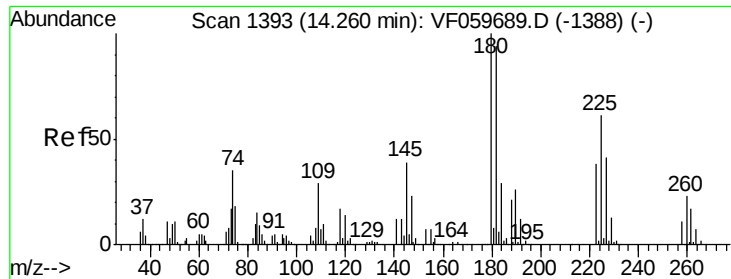
Delta R.T. 0.00 min

Lab File: VF059821.D

Acq: 3 Aug 2018 1:39

Tgt Ion:	75	Resp:	27680
Ion Ratio	Lower	Upper	
75	100		
155	80.1	35.4	106.2
157	109.8	44.4	133.2





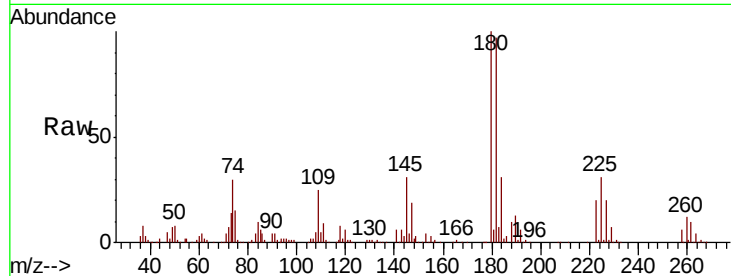
#93
 1,2,4-Trichlorobenzene
 Concen: 52.57 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.1	47.2	141.6	
145	30.8	19.3	57.9	

Manual Integrations
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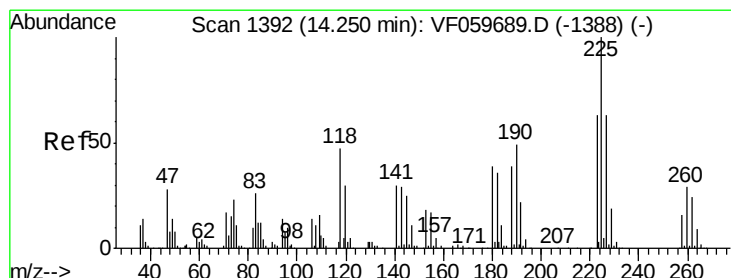
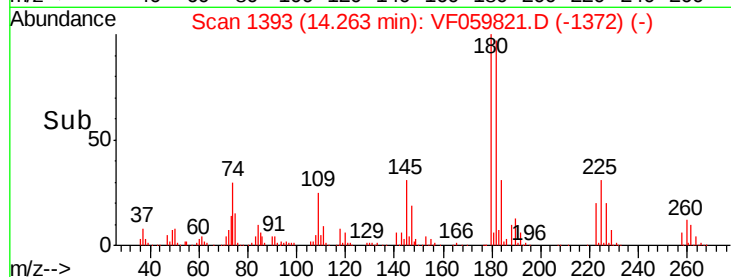
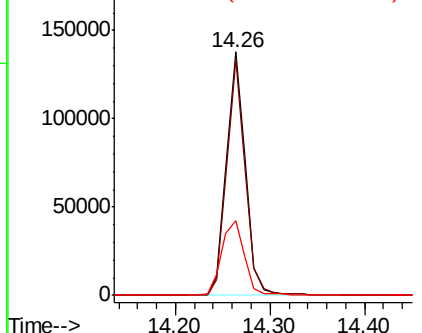


Abundance

Ion 180.00 (179.70 to 180.70): V

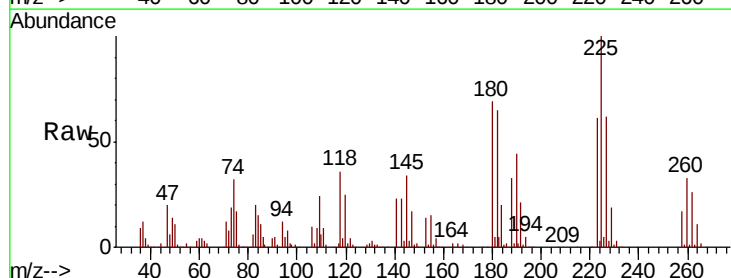
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 48.10 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059821.D
 Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.0	31.4	94.2	
227	62.4	31.5	94.5	

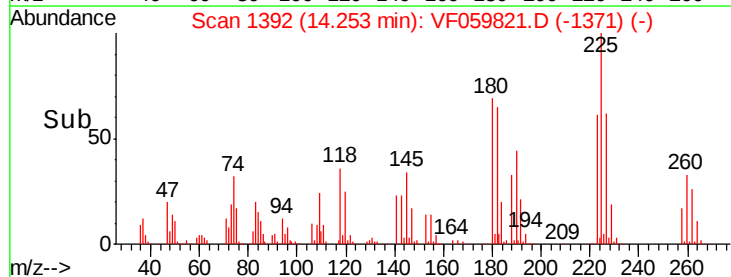
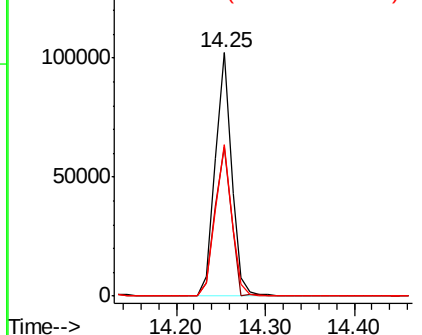


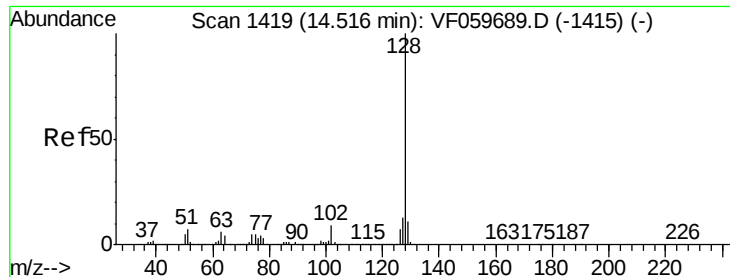
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





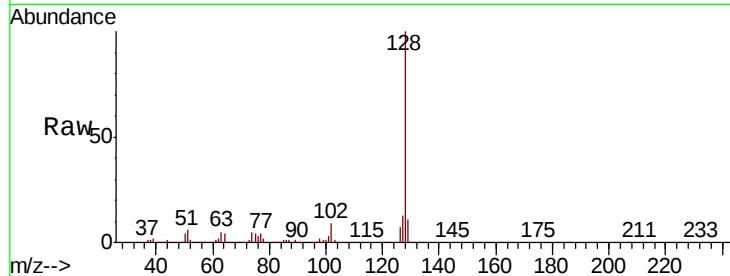
#95
Naphthalene
Concen: 52.58 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	11.5	8.6	13.0

Manual Integrations
APPROVED

apatel
8/3/2018 4:02:55 PM

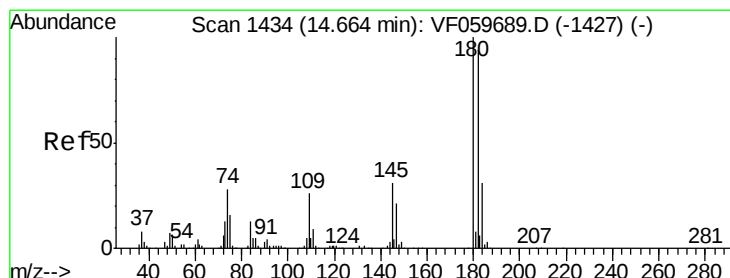
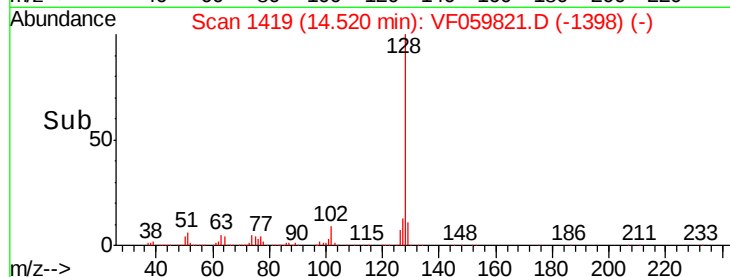
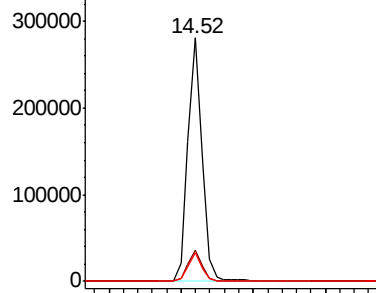


Abundance

Ion 128.00 (127.70 to 128.70): V

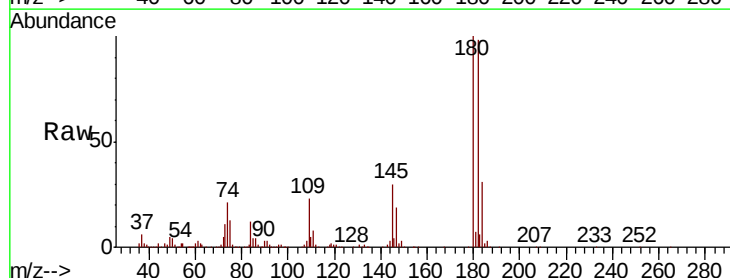
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.15 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059821.D
Acq: 3 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.2	141.6
145	30.2	15.6	46.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

