

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
 Data File : VF059925.D
 Acq On : 8 Aug 2018 11:55
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/9/2018 10:41:52 AM

Quant Time: Aug 09 05:36:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	102579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	145306	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	148939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	97789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	91189	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	4.30	113	71584	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	7.72	98	157525	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.51	95	92887	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	91858	52.41	ug/l	97
3) Chloromethane	1.09	50	43679	53.88	ug/l	99
4) Vinyl Chloride	1.15	62	44643	53.75	ug/l	90
5) Bromomethane	1.34	94	40422	51.56	ug/l	98
6) Chloroethane	1.43	64	30122	57.74	ug/l	93
7) Trichlorofluoromethane	1.54	101	128387	56.48	ug/l	97
8) Diethyl Ether	1.71	74	18986	52.63	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.91	101	60961	48.60	ug/l	92
10) Methyl Iodide	1.96	142	104061	54.00	ug/l	96
11) Tert butyl alcohol	2.68	59	22395	300.22	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	49317	53.82	ug/l	90
13) Acrolein	2.09	56	13028	291.43	ug/l	95
14) Allyl chloride	2.19	41	69491	45.49	ug/l	97
15) Acrylonitrile	3.08	53	34482	252.26	ug/l #	79
16) Acetone	2.34	43	85083	249.22	ug/l	96
17) Carbon Disulfide	1.89	76	131991	53.96	ug/l	98
18) Methyl Acetate	2.45	43	29727	51.62	ug/l #	91
19) Methyl tert-butyl Ether	2.54	73	140127	54.02	ug/l	98
20) Methylene Chloride	2.33	84	52039m	62.85	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	47814	52.53	ug/l	97
22) Diisopropyl ether	2.93	45	152349	51.84	ug/l	90
23) Vinyl Acetate	3.33	43	409144	287.58	ug/l #	95
24) 1,1-Dichloroethane	3.01	63	106106	49.58	ug/l	98
25) 2-Butanone	4.51	43	102272	275.50	ug/l	99
26) 2,2-Dichloropropane	3.77	77	53642	43.05	ug/l	91
27) cis-1,2-Dichloroethene	3.64	96	51114	49.94	ug/l	88
28) Bromochloromethane	3.89	49	38138	50.46	ug/l	87
29) Tetrahydrofuran	4.26	42	39279	287.42	ug/l	100
30) Chloroform	4.04	83	145749	50.34	ug/l	94
31) Cyclohexane	3.88	56	58972	55.67	ug/l	93
32) 1,1,1-Trichloroethane	4.29	97	117164	50.58	ug/l	95
36) 1,1-Dichloropropene	4.47	75	87122	51.84	ug/l	99
37) Ethyl Acetate	4.29	43	43759	60.64	ug/l #	75
38) Carbon Tetrachloride	4.18	117	142455	59.21	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.64	83	67287	53.38	ug/l	97
40) Benzene	4.82	78	149191	51.91	ug/l	98
41) Methacrylonitrile	4.93	41	19976	52.45	ug/l #	79
42) 1,2-Dichloroethane	5.13	62	116419	50.02	ug/l	100
43) Isopropyl Acetate	7.12	43	46215	62.19	ug/l #	99
44) Trichloroethene	5.68	130	58807	52.54	ug/l	95
45) 1,2-Dichloropropane	6.41	63	39826	51.64	ug/l	94
46) Dibromomethane	6.26	93	40194	51.65	ug/l	93
47) Bromodichloromethane	6.56	83	116548	54.75	ug/l	96
48) Methyl methacrylate	6.88	41	35099	60.71	ug/l	93
49) 1,4-Dioxane	6.88	88	5350	1264.99	ug/l #	81
51) 4-Methyl-2-Pentanone	8.41	43	227453	299.38	ug/l	99
52) Toluene	7.79	92	110621	52.11	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	90063	55.62	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	90895	54.39	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	42432	55.53	ug/l	95
56) Ethyl methacrylate	8.76	69	47180	55.88	ug/l	91
57) 1,3-Dichloropropane	9.01	76	74417	56.71	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.79	63	27093	267.99	ug/l	100
59) 2-Hexanone	9.64	43	168729	314.39	ug/l	95
60) Dibromochloromethane	8.87	129	78244	54.58	ug/l	91
61) 1,2-Dibromoethane	9.14	107	52459	56.34	ug/l	94
64) Tetrachloroethene	8.31	164	71393	55.57	ug/l	99
65) Chlorobenzene	9.95	112	158037	52.28	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	72041	47.91	ug/l	98
67) Ethyl Benzene	10.04	91	281302	53.41	ug/l	100
68) m/p-Xylenes	10.27	106	196705	108.04	ug/l	100
69) o-Xylene	10.83	106	104624	54.25	ug/l	96
70) Styrene	10.91	104	157532	54.74	ug/l	99
71) Bromoform	10.89	173	49683	53.91	ug/l	99
73) Isopropylbenzene	11.24	105	346516	56.89	ug/l	99
74) N-amyl acetate	11.47	43	81299	53.71	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	59296	51.85	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	51009	51.93	ug/l	99
77) Bromobenzene	11.60	156	89155	53.82	ug/l	97
78) n-propylbenzene	11.69	91	399661	55.56	ug/l	99
79) 2-Chlorotoluene	11.82	91	244536	53.74	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	296217	52.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	16967m	48.09	ug/l	
82) 4-Chlorotoluene	12.00	91	264613	53.56	ug/l	99
83) tert-Butylbenzene	12.22	119	307394	55.84	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	309425	53.19	ug/l	100
85) sec-Butylbenzene	12.39	105	398216	54.44	ug/l	99
86) p-Isopropyltoluene	12.55	119	354101	57.59	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	165539	52.75	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	170285	55.27	ug/l	99
89) n-Butylbenzene	12.92	91	327926	55.96	ug/l	99
90) Hexachloroethane	13.00	117	90348	53.25	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	164728	54.54	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	16654	57.77	ug/l	91

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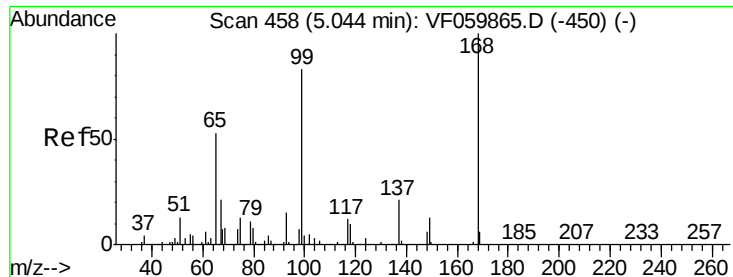
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	132354	57.72	ug/l	99
94) Hexachlorobutadiene	14.26	225	87291	53.89	ug/l	96
95) Naphthalene	14.53	128	244159	61.50	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	127039	56.10	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 102579

Ion Ratio Lower Upper

168 100

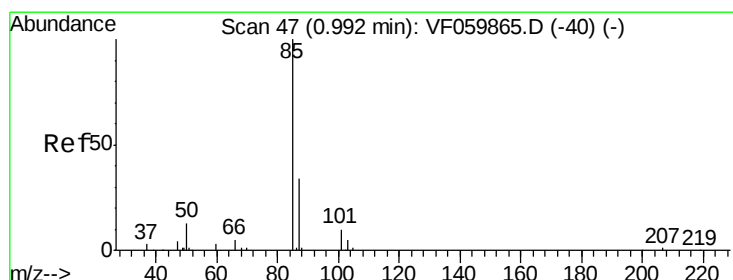
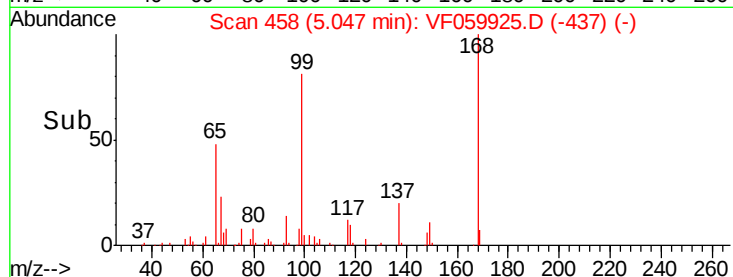
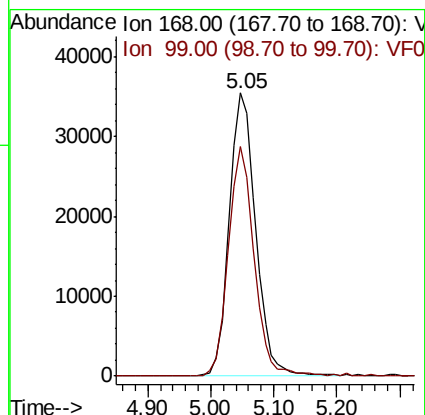
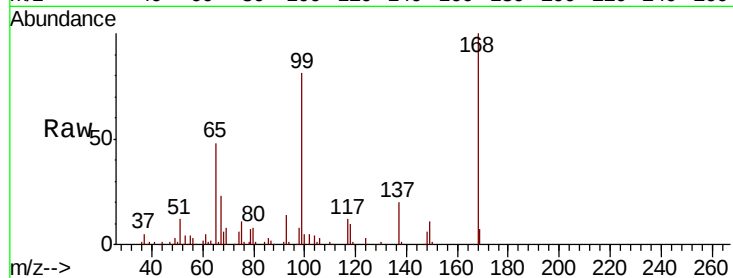
99 81.3 66.3 99.5

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#2

Dichlorodifluoromethane

Concen: 52.41 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059925.D

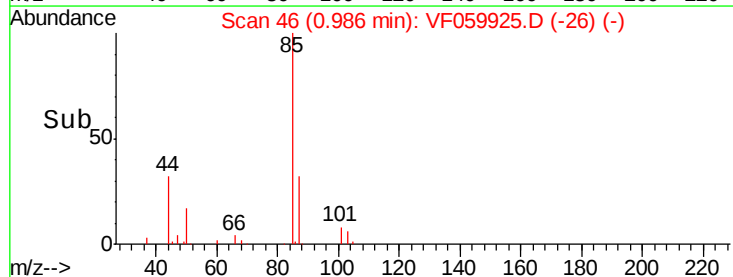
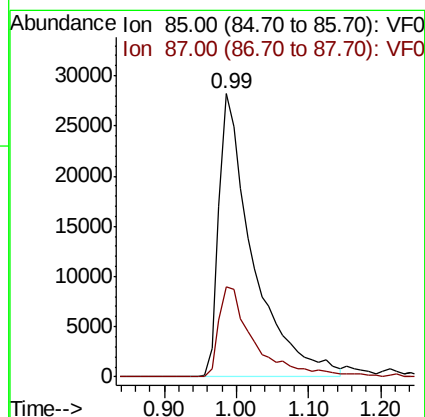
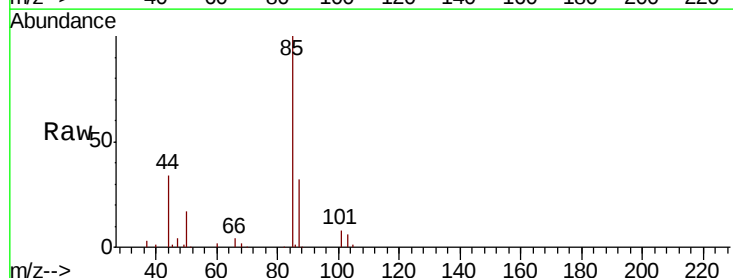
Acq: 8 Aug 2018 11:55

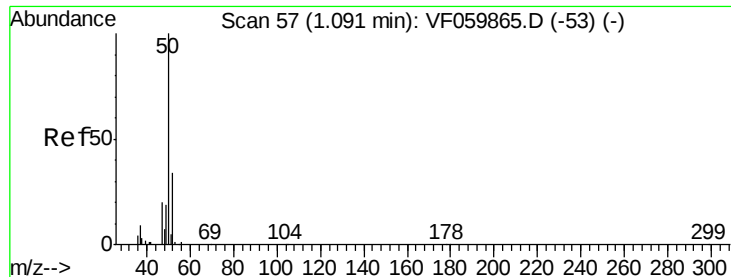
Tgt Ion: 85 Resp: 91858

Ion Ratio Lower Upper

85 100

87 31.9 16.9 50.7





#3

Chloromethane

Concen: 53.88 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 43679

Ion Ratio Lower Upper

50 100

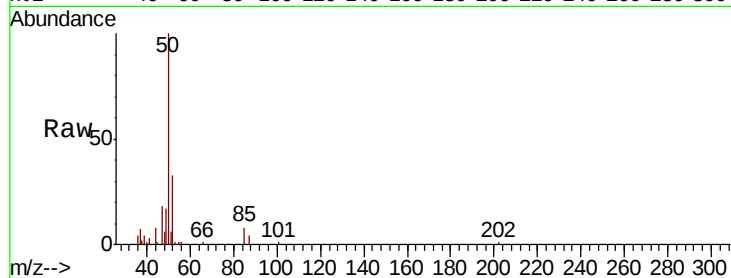
52 32.6 25.8 38.8

Manual Integrations

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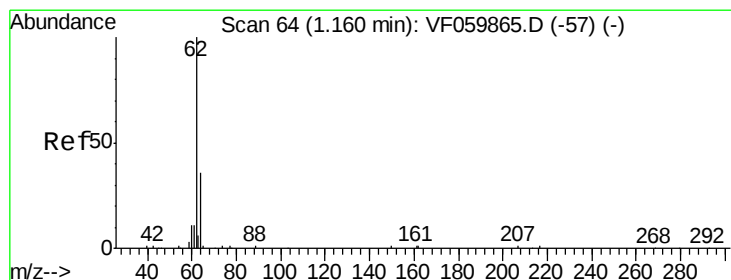
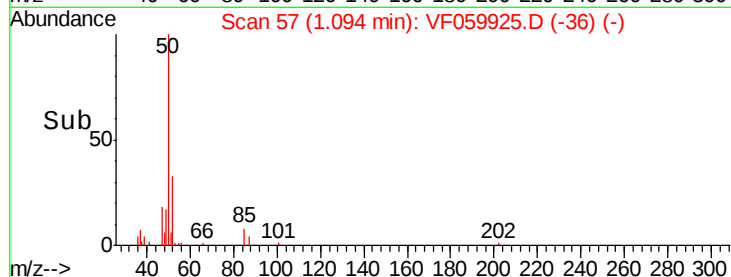
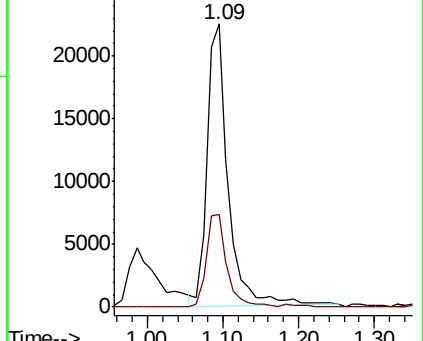
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 53.75 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059925.D

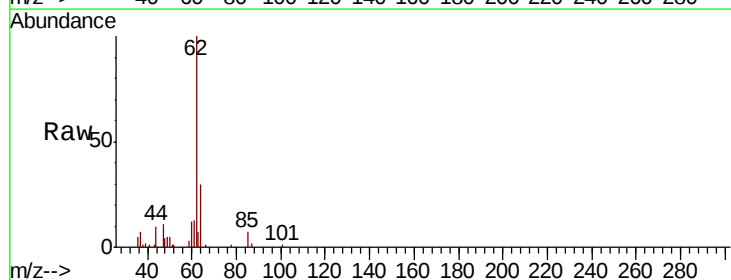
Acq: 8 Aug 2018 11:55

Tgt Ion: 62 Resp: 44643

Ion Ratio Lower Upper

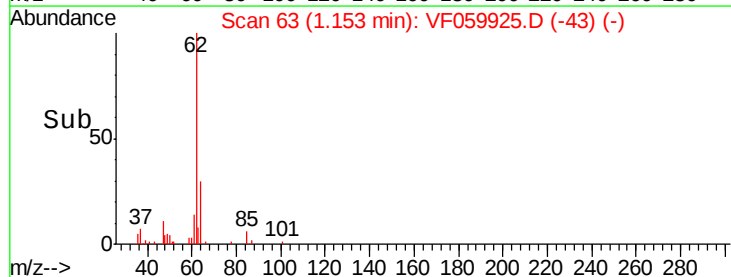
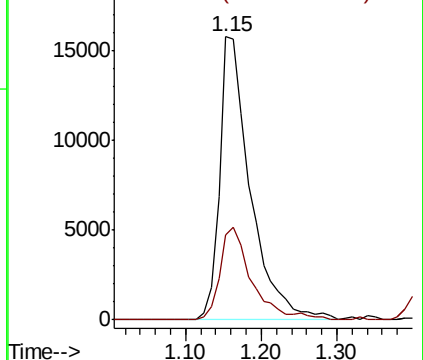
62 100

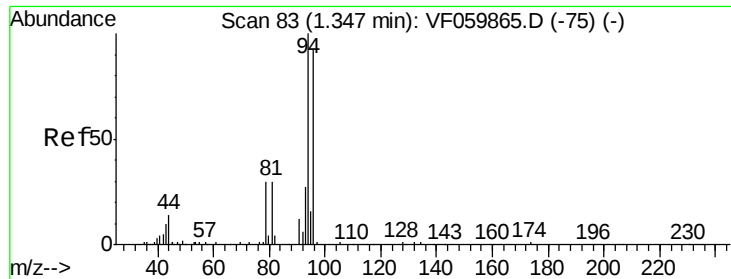
64 29.8 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 51.56 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 40422

Ion Ratio Lower Upper

94 100

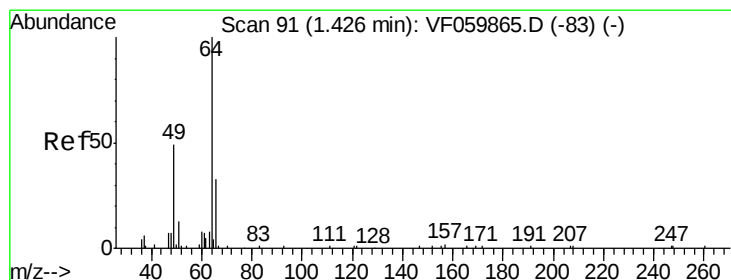
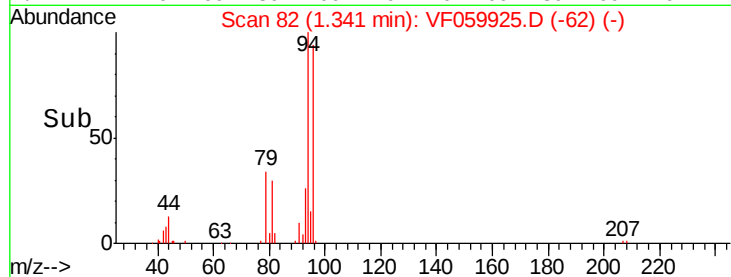
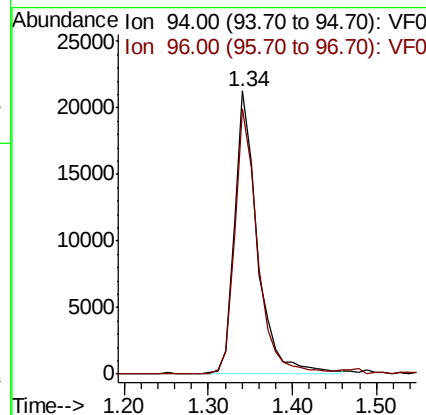
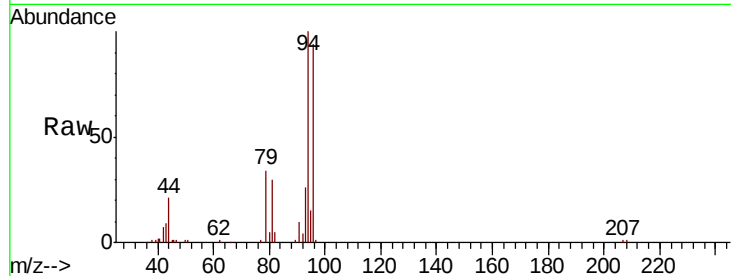
96 93.8 73.8 110.8

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8/9/2018 10:41:52 AM



#6

Chloroethane

Concen: 57.74 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059925.D

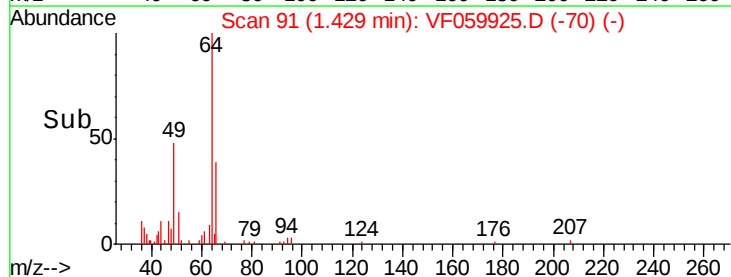
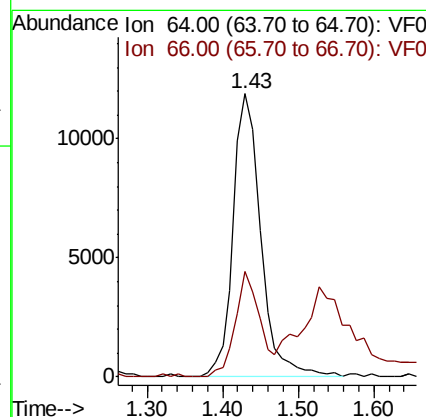
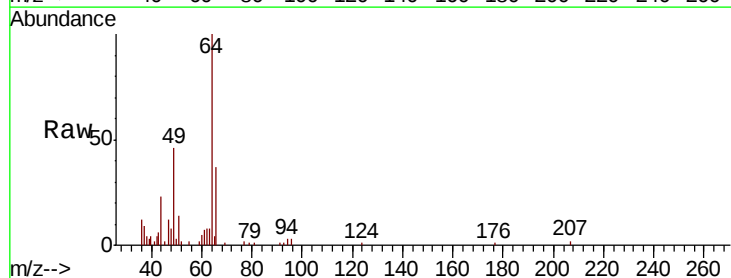
Acq: 8 Aug 2018 11:55

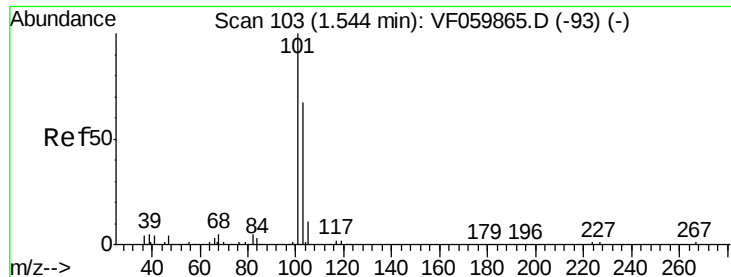
Tgt Ion: 64 Resp: 30122

Ion Ratio Lower Upper

64 100

66 37.4 26.9 40.3





#7

Trichlorofluoromethane

Concen: 56.48 ug/l

RT: 1.54 min Scan# 102

Delta R.T. -0.01 min

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Acq: 8 Aug 2018 11:55

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Tot Ion:101 Resp: 128387

Ion Ratio Lower Upper

101 100

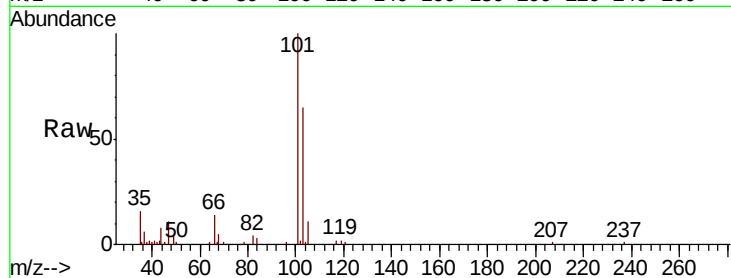
103 64.8 53.6 80.4

Manual Integrations

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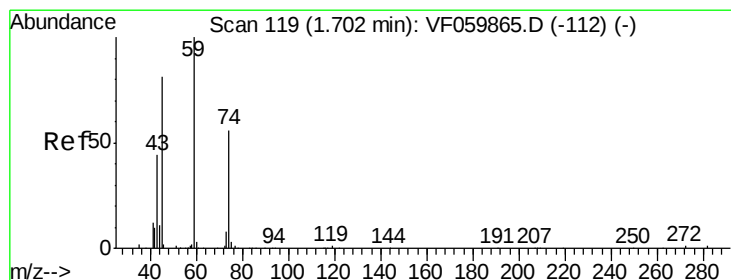
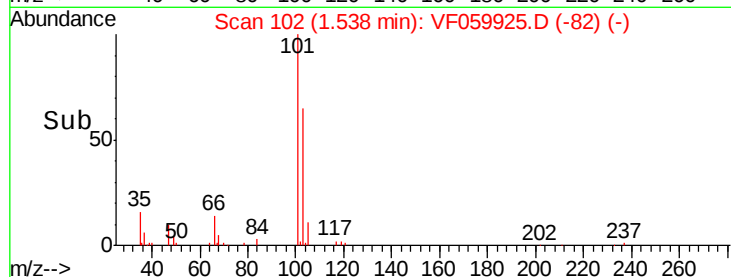
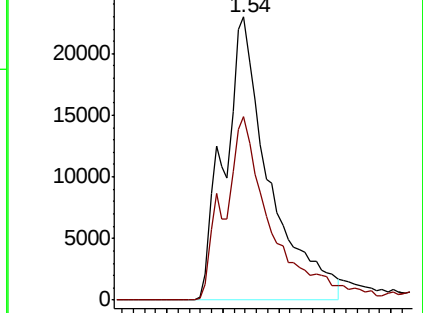
apatel

8/9/2018 10:41:52 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 52.63 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059925.D

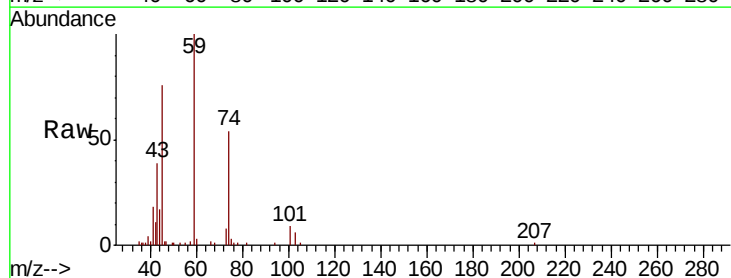
Acq: 8 Aug 2018 11:55

Tgt Ion: 74 Resp: 18986

Ion Ratio Lower Upper

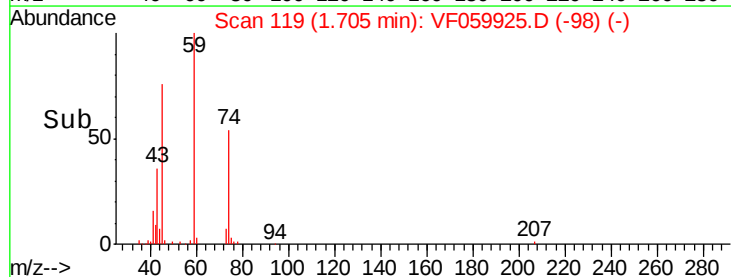
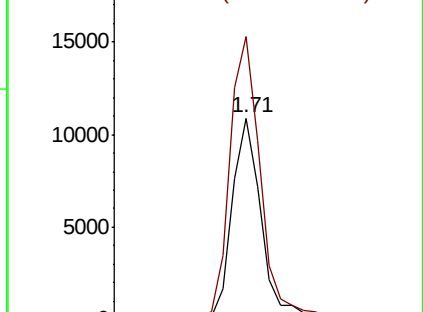
74 100

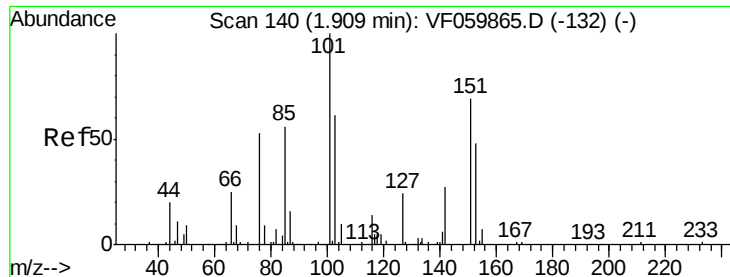
45 140.1 73.6 220.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.60 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

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MSVOA_F

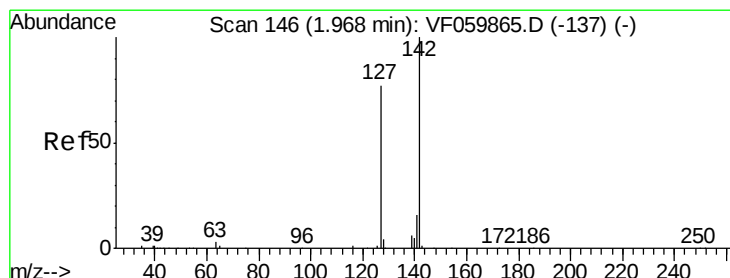
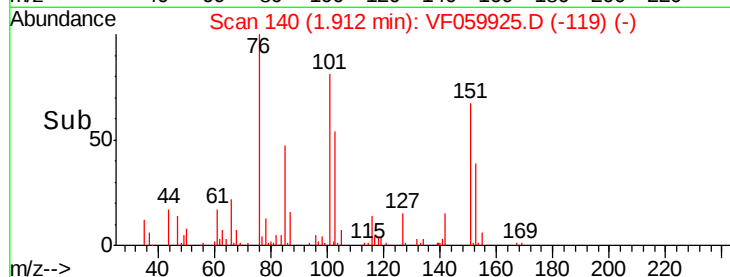
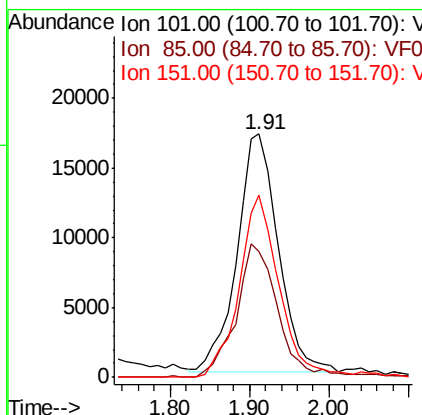
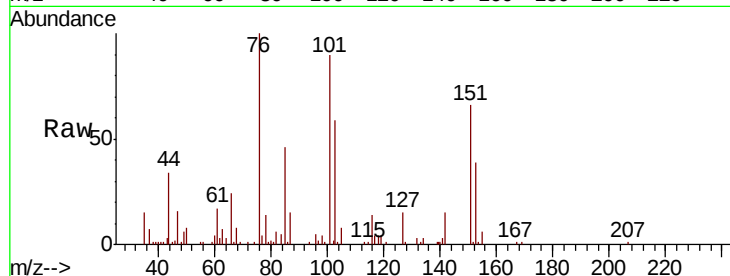
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	60961
Ion Ratio	Lower	Upper	
101	100		
85	51.6	44.5	66.7
151	74.9	53.8	80.8

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#10

Methyl Iodide

Concen: 54.00 ug/l

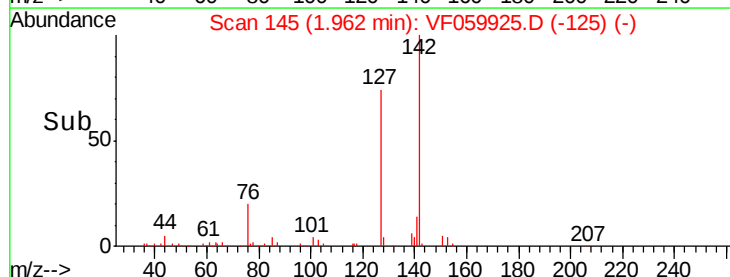
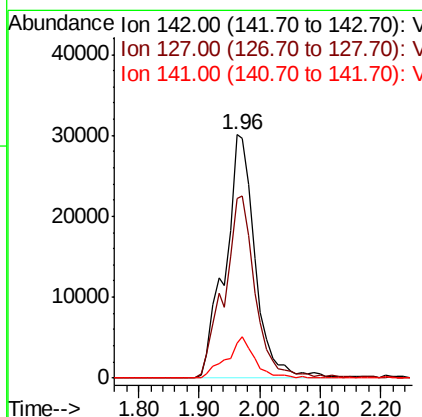
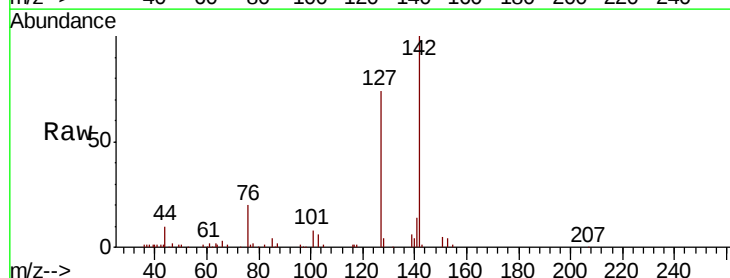
RT: 1.96 min Scan# 145

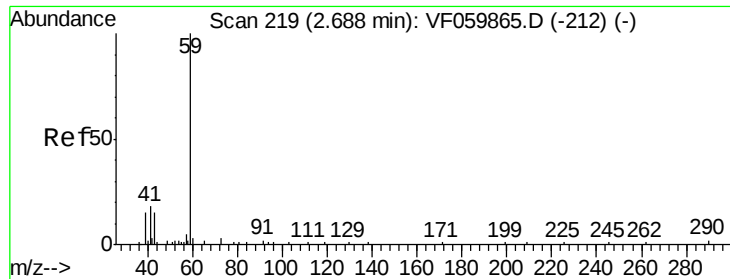
Delta R.T. -0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion:	142	Resp:	104061
Ion Ratio	Lower	Upper	
142	100		
127	73.5	61.5	92.3
141	14.5	13.0	19.4





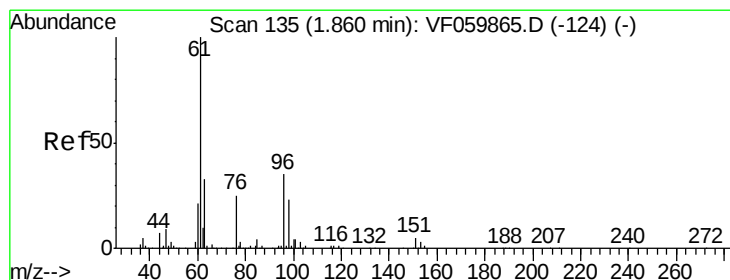
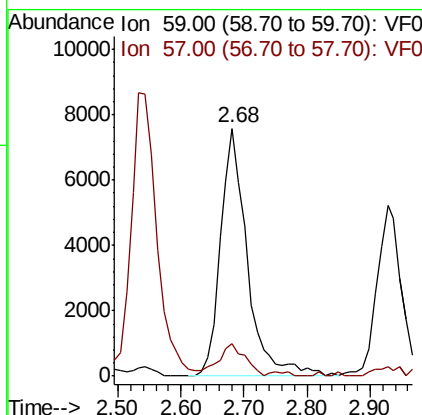
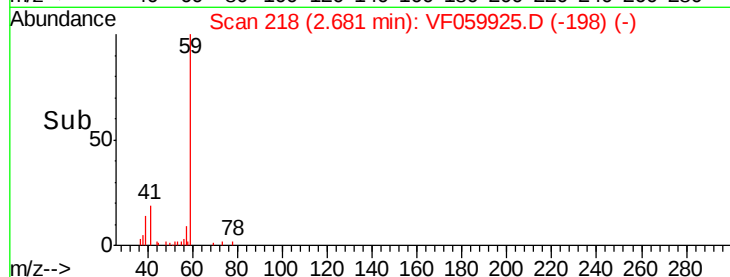
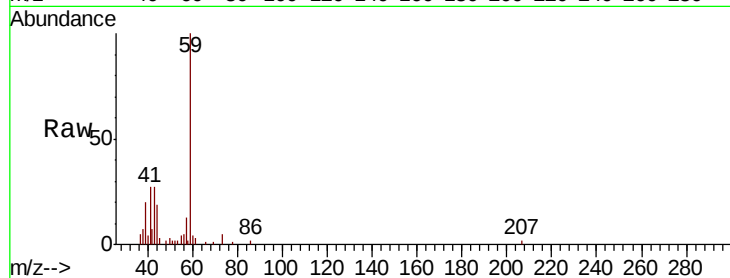
#11
Tert butyl alcohol
Concen: 300.22 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.0	7.6	11.4#

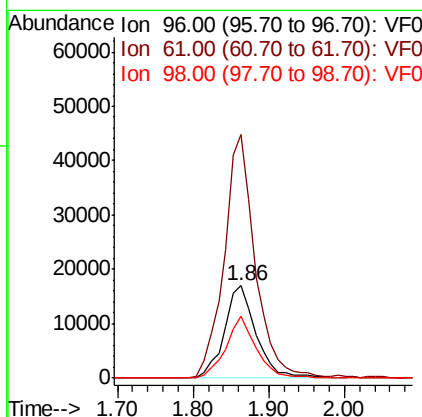
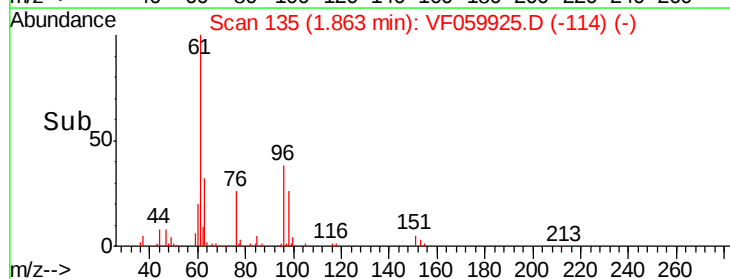
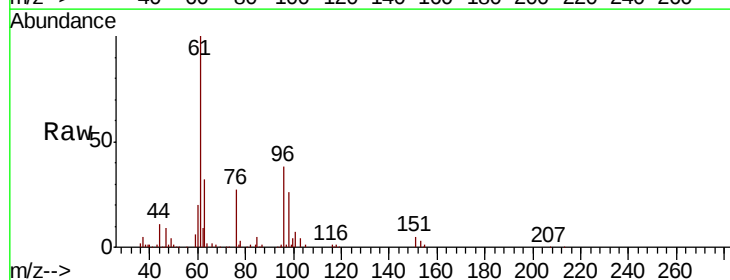
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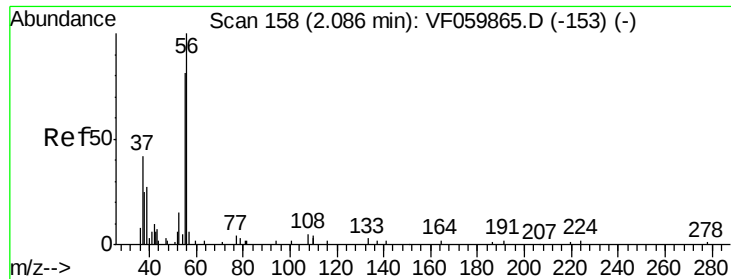
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#12
1,1-Dichloroethene
Concen: 53.82 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	264.6	230.2	345.2
98	67.9	52.7	79.1





#13

Acrolein

Concen: 291.43 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 13028

Ion Ratio Lower Upper

56 100

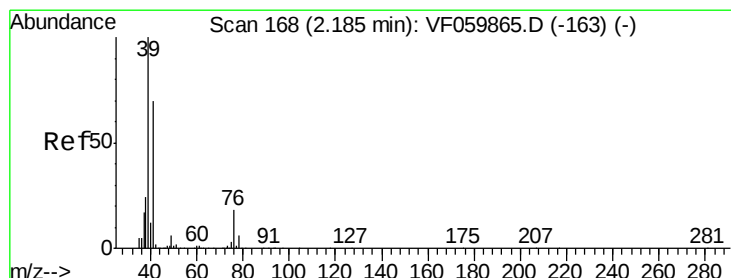
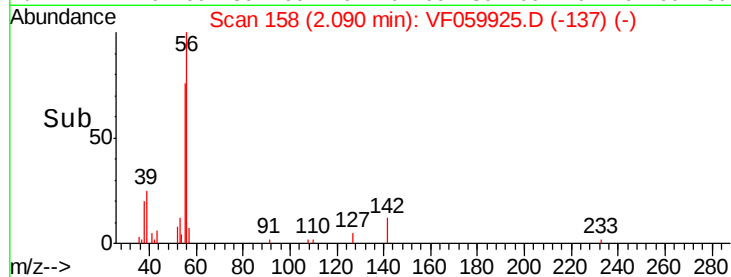
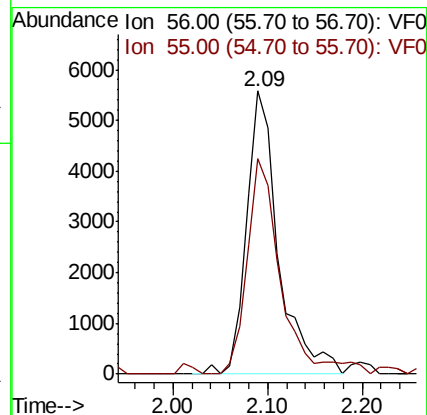
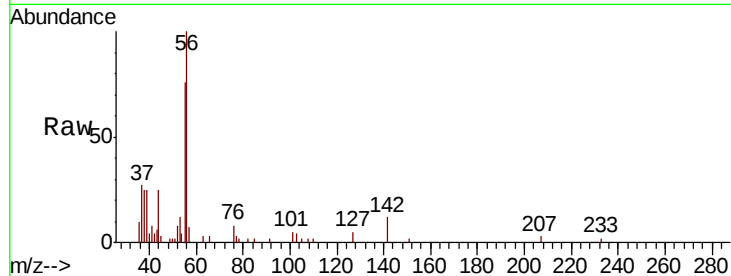
55 76.0 64.6 96.8

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#14

Allyl chloride

Concen: 45.49 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

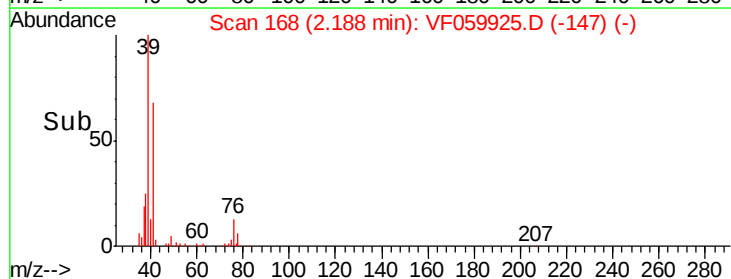
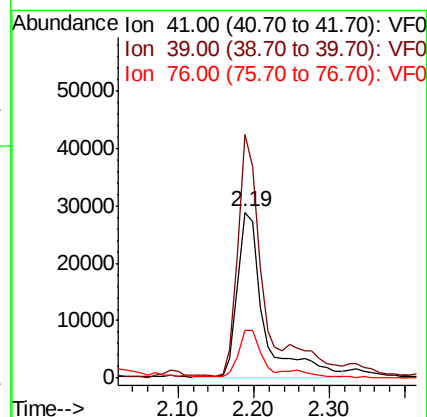
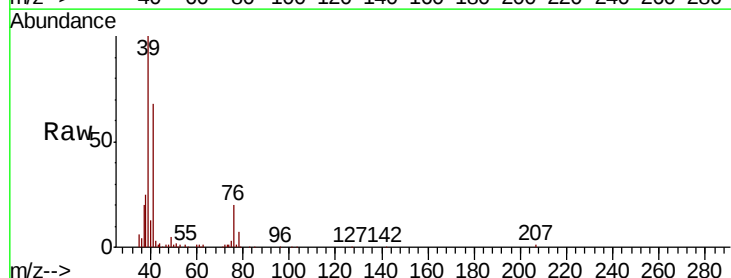
Tgt Ion: 41 Resp: 69491

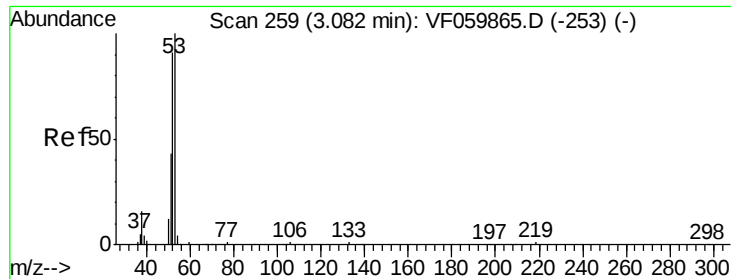
Ion Ratio Lower Upper

41 100

39 146.8 114.6 171.8

76 29.0 21.0 31.4





#15

Acrylonitrile

Concen: 252.26 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

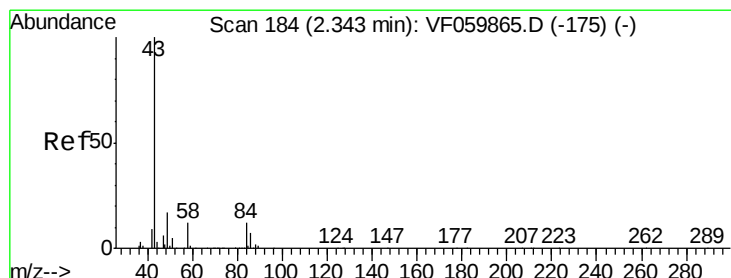
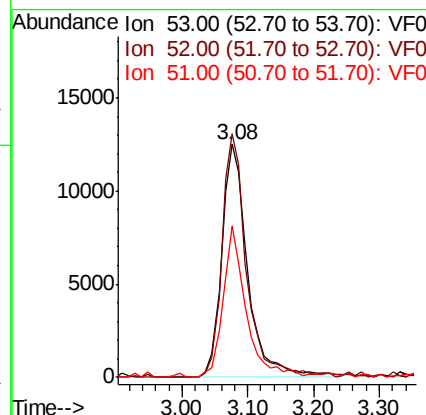
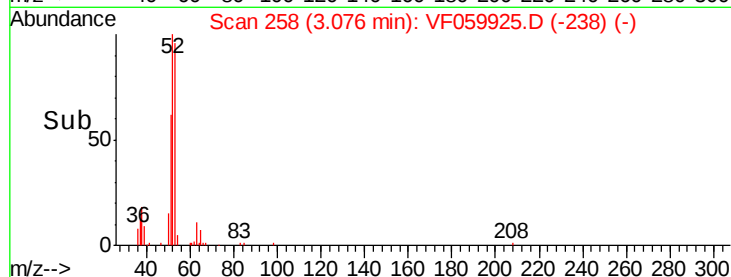
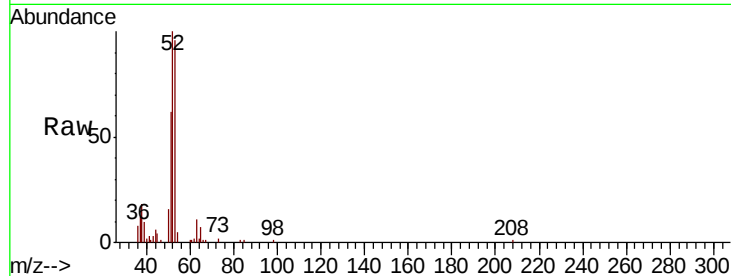
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	34482
Ion	Ratio	Lower	Upper
53	100		
52	104.5	72.9	109.3
51	65.3	34.5	51.7#

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#16

Acetone

Concen: 249.22 ug/l

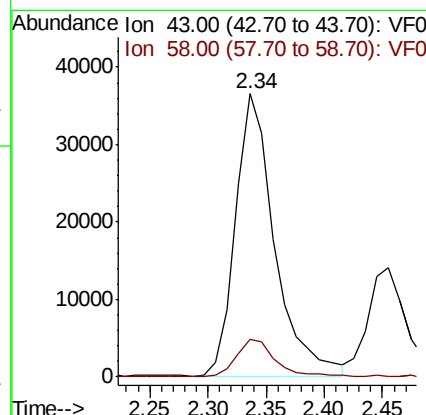
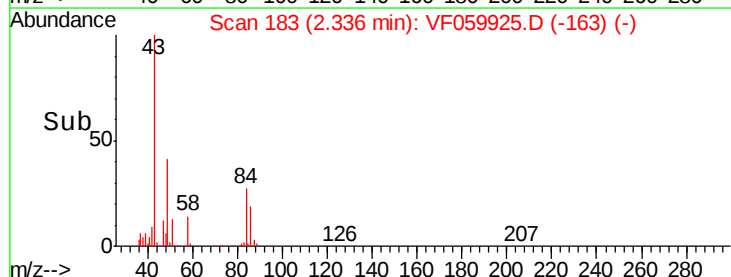
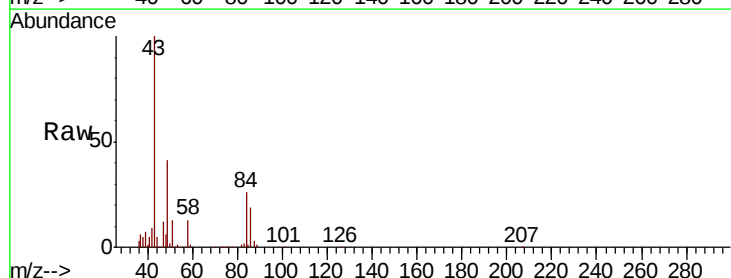
RT: 2.34 min Scan# 183

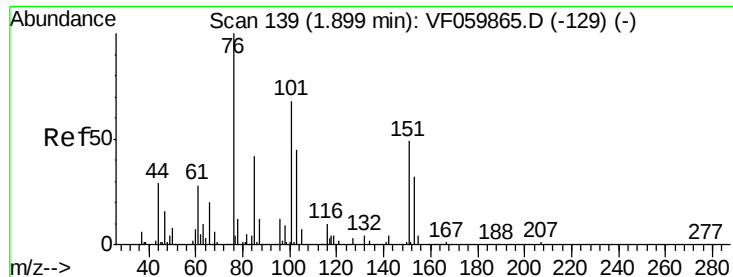
Delta R.T. -0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion:	43	Resp:	85083
Ion	Ratio	Lower	Upper
43	100		
58	13.4	9.4	14.0





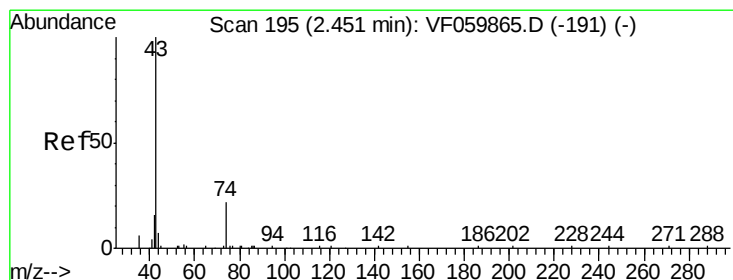
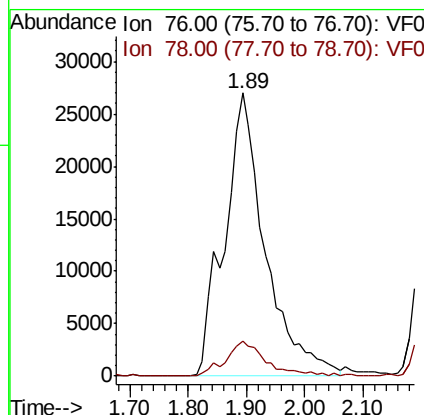
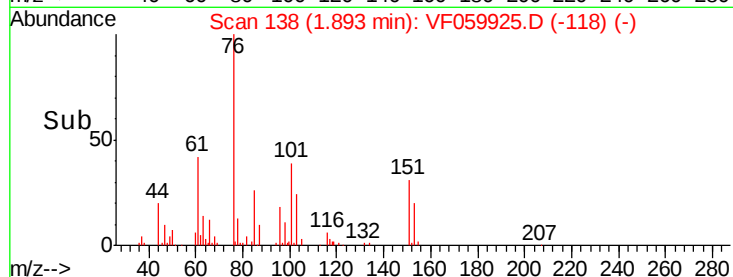
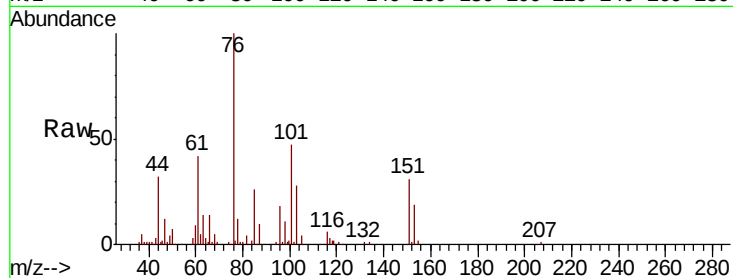
#17
Carbon Disulfide
Concen: 53.96 ug/l
RT: 1.89 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.5	9.3	13.9

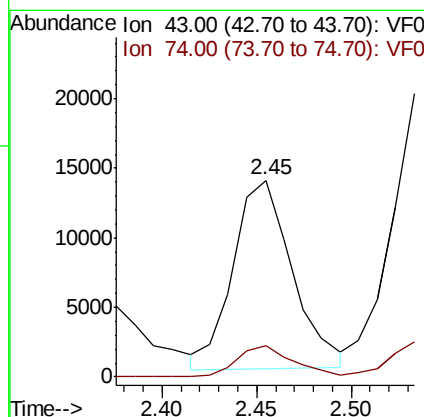
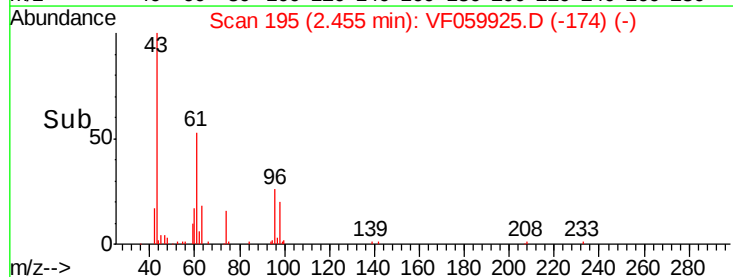
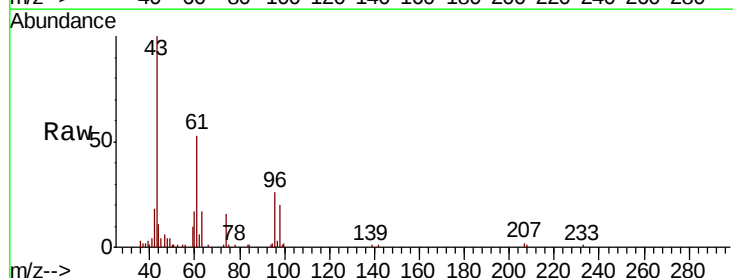
Manual Integrations
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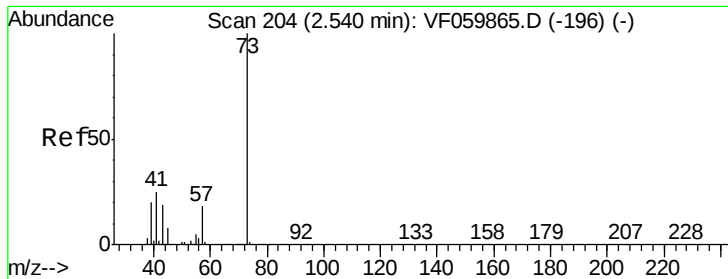
apatel
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#18
Methyl Acetate
Concen: 51.62 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.0	16.3	24.5#





#19

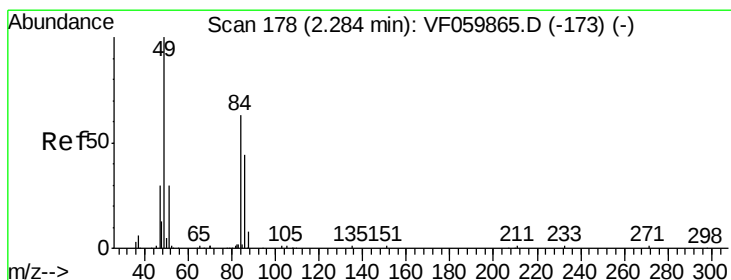
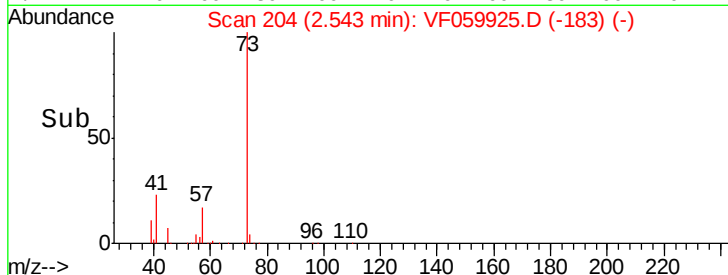
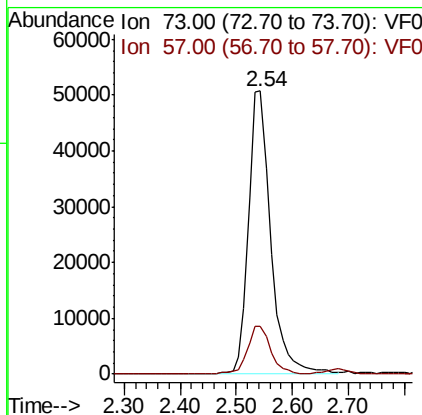
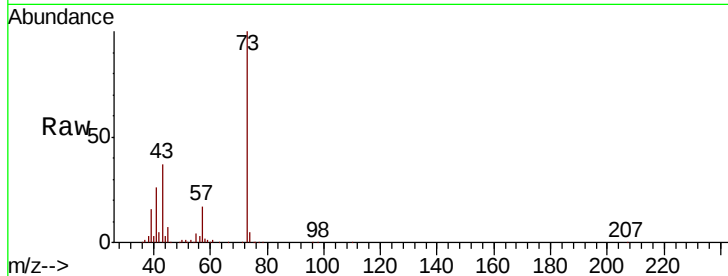
Methyl tert-butyl Ether
Concen: 54.02 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.0	14.3	21.5

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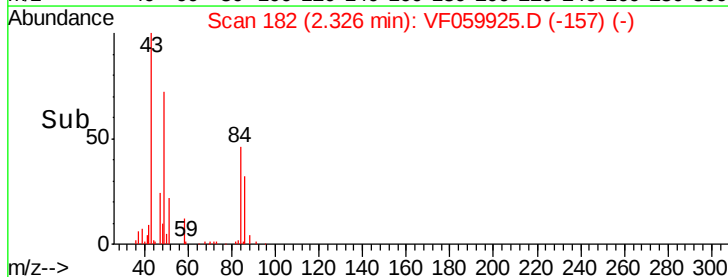
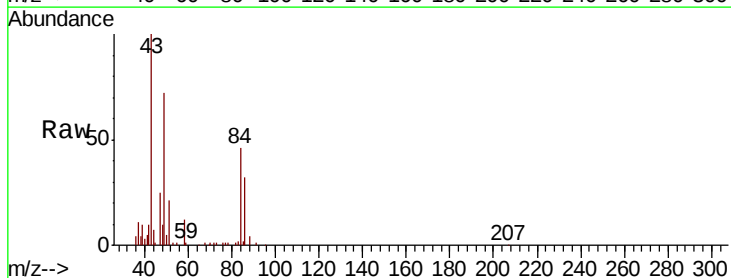
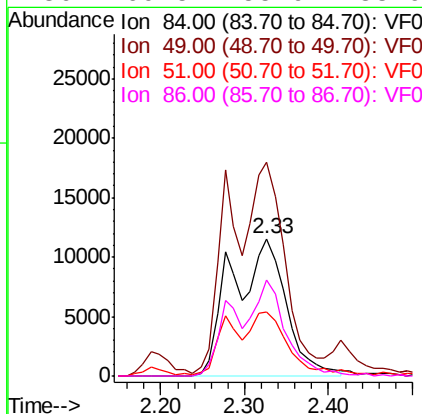
apatel
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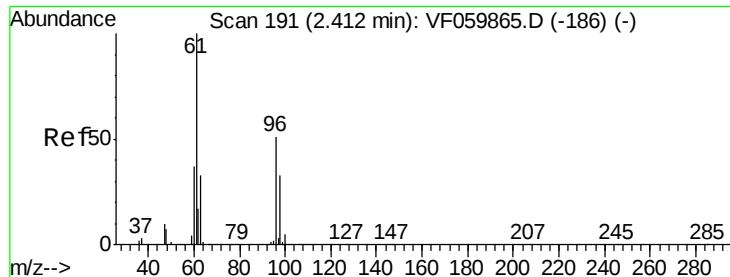


#20

Methylene Chloride
Concen: 62.85 ug/l m
RT: 2.33 min Scan# 182
Delta R.T. 0.04 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.4	128.7	193.1
51	46.3	39.3	58.9
86	69.5	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 52.53 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

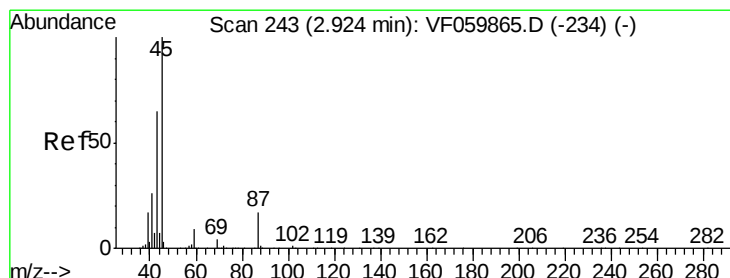
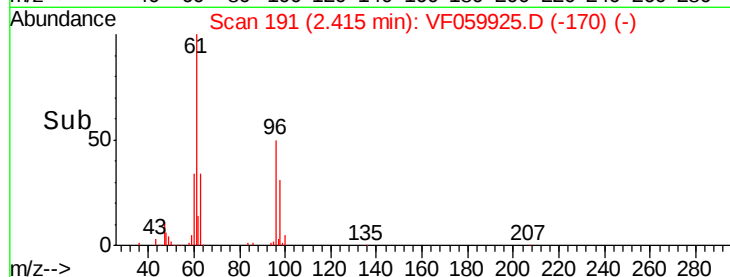
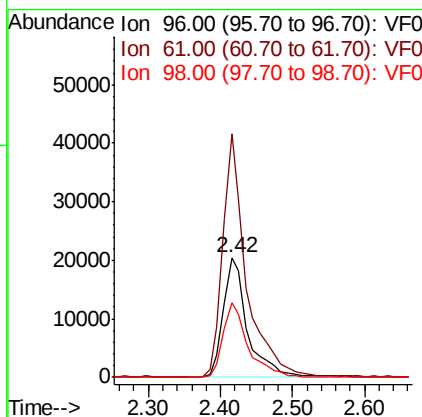
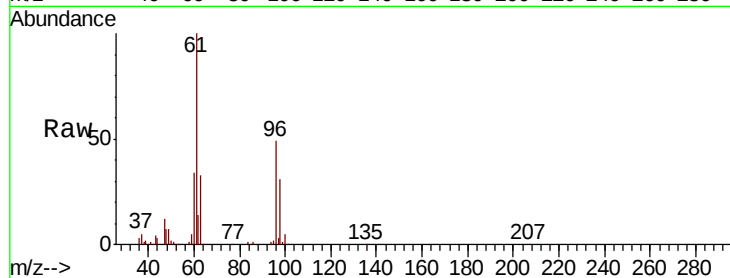
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	47814
Ion	Ratio	Lower	Upper
96	100		
61	203.0	158.2	237.4
98	62.2	52.0	78.0

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#22

Diisopropyl ether

Concen: 51.84 ug/l

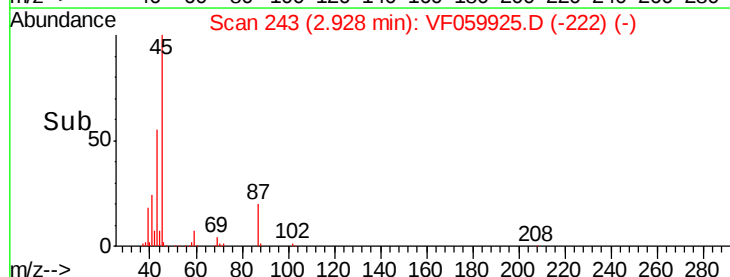
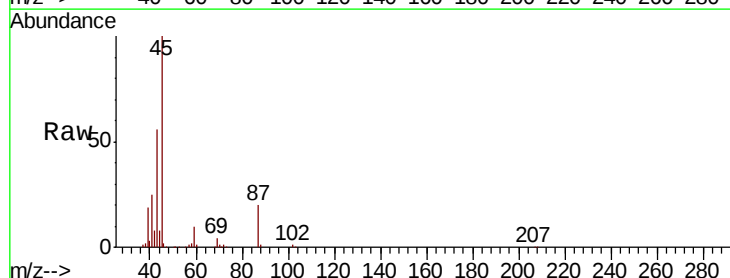
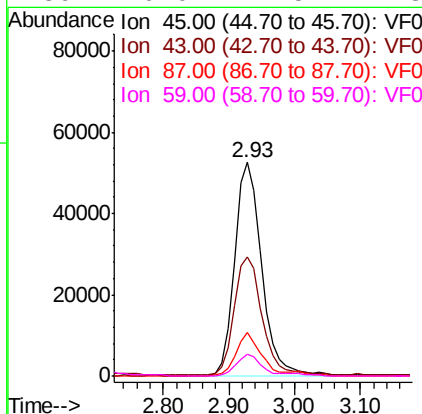
RT: 2.93 min Scan# 243

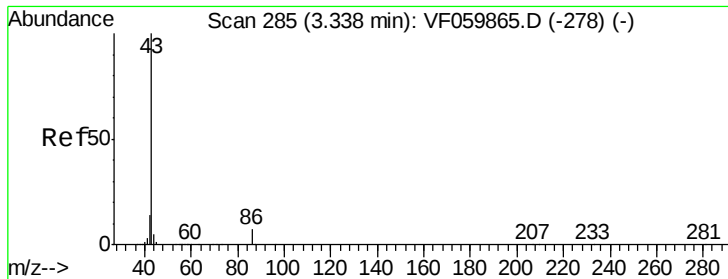
Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion:	45	Resp:	152349
Ion	Ratio	Lower	Upper
45	100		
43	56.0	52.1	78.1
87	20.4	13.8	20.8
59	10.0	7.5	11.3





#23

Vinyl Acetate

Concen: 287.58 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 409144

Ion Ratio Lower Upper

43 100

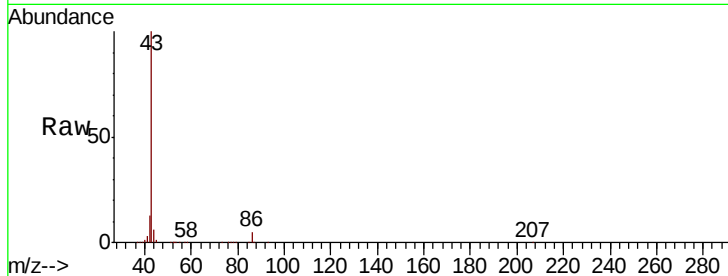
86 5.2 5.6 8.4#

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

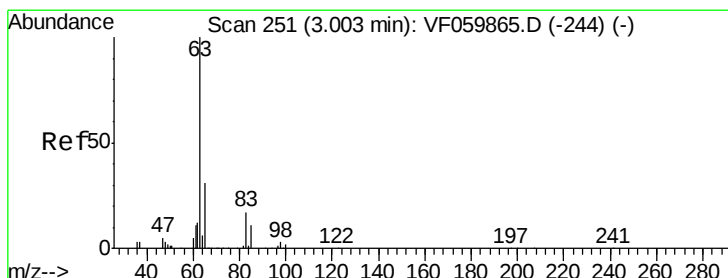
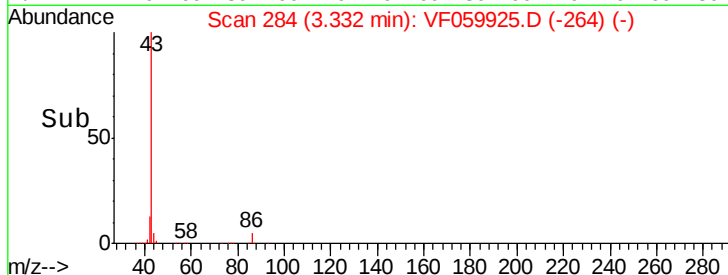
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.58 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

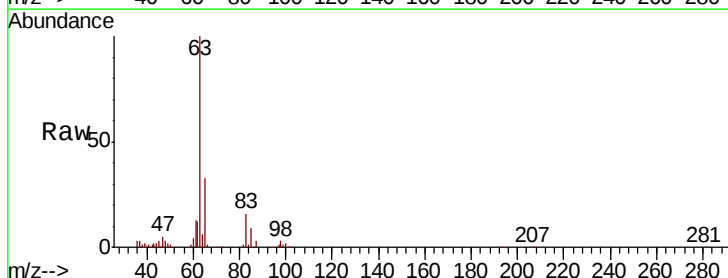
Tgt Ion: 63 Resp: 106106

Ion Ratio Lower Upper

63 100

98 2.9 1.9 5.7

100 2.2 1.1 3.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.01

50000

40000

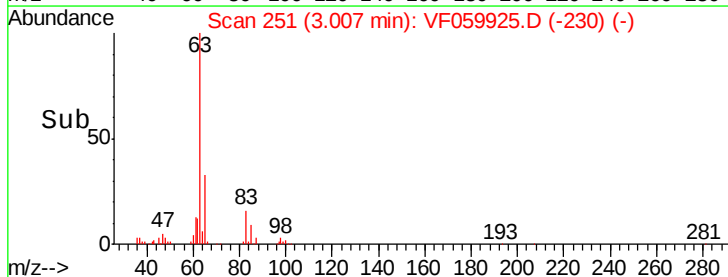
30000

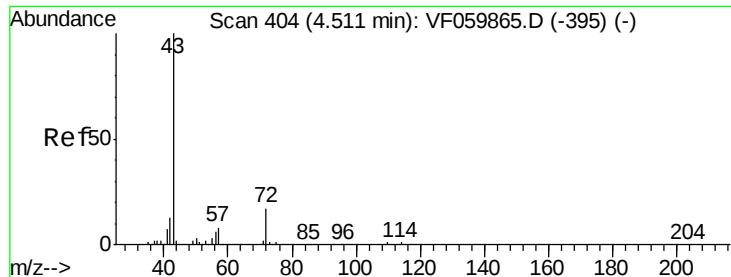
20000

10000

0

Time-->





#25

2-Butanone

Concen: 275.50 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 102272

Ion Ratio Lower Upper

43 100

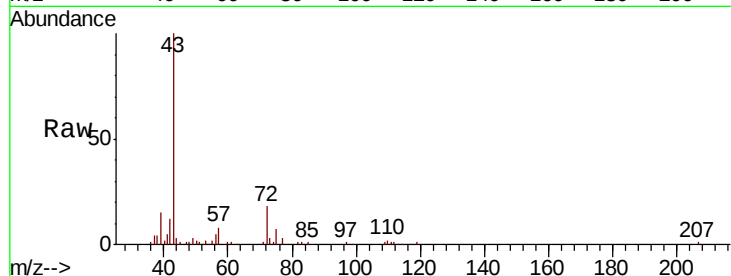
72 17.8 13.9 20.9

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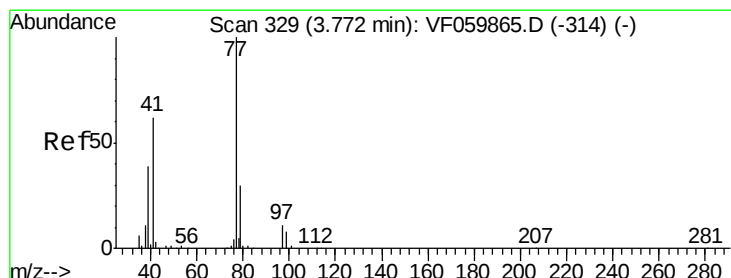
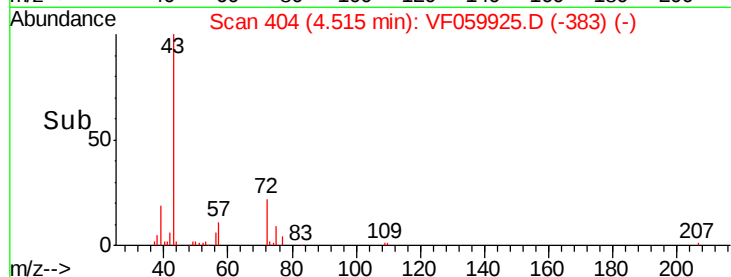
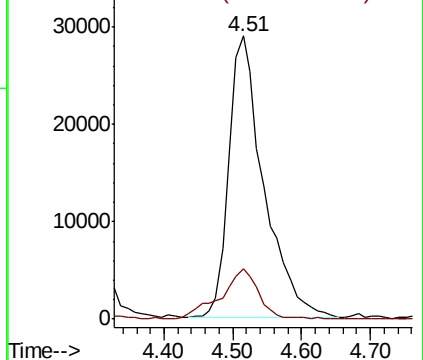
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 43.05 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059925.D

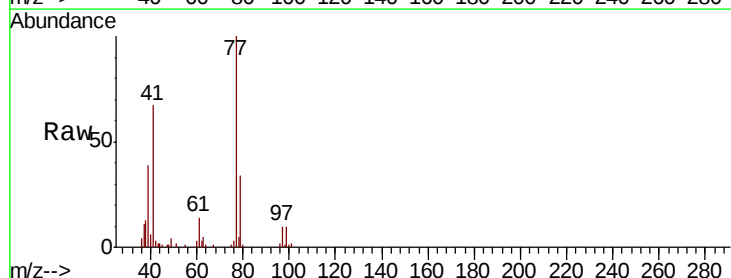
Acq: 8 Aug 2018 11:55

Tgt Ion: 77 Resp: 53642

Ion Ratio Lower Upper

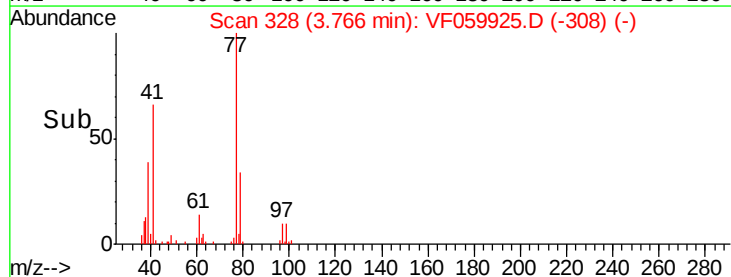
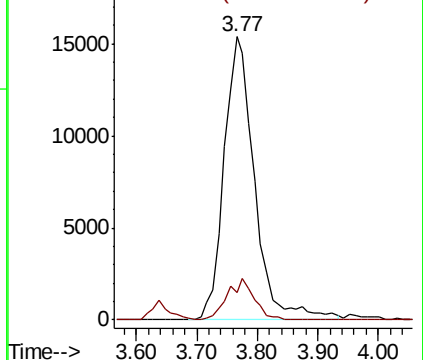
77 100

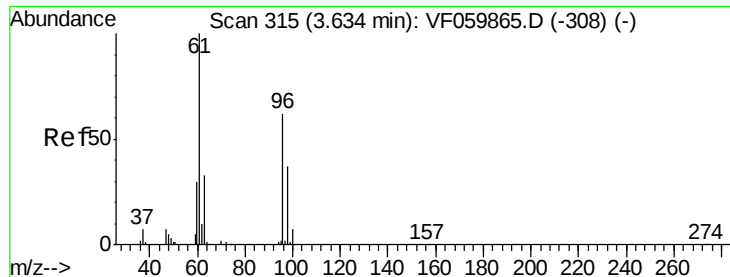
97 9.7 6.8 20.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

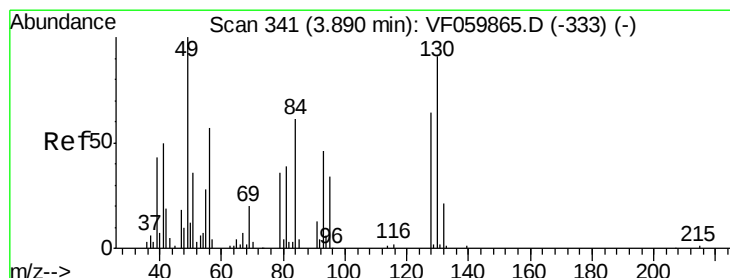
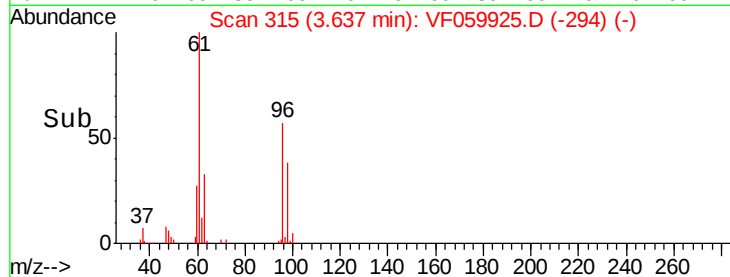
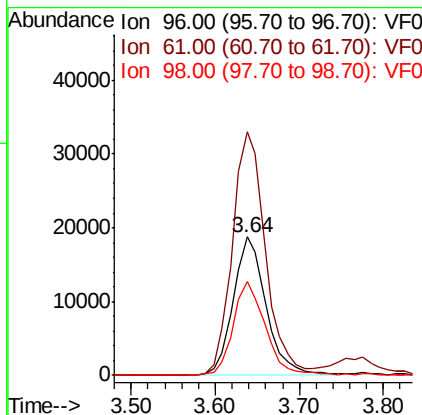
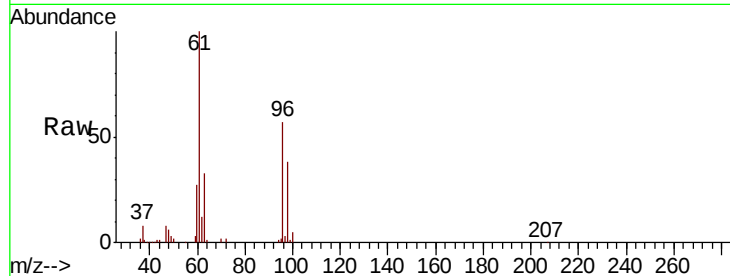
cis-1,2-Dichloroethene
Concen: 49.94 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.9	0.0	320.8
98	67.7	0.0	117.6

Manual Integrations
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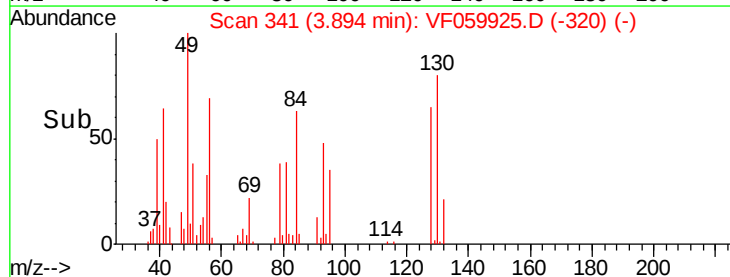
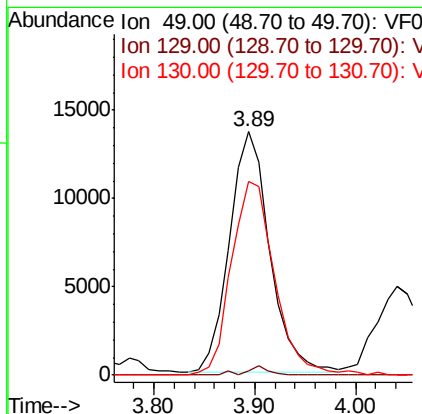
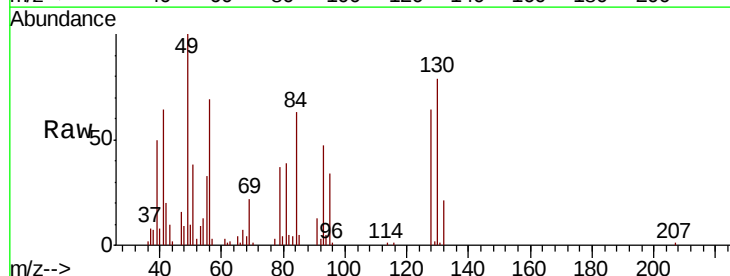
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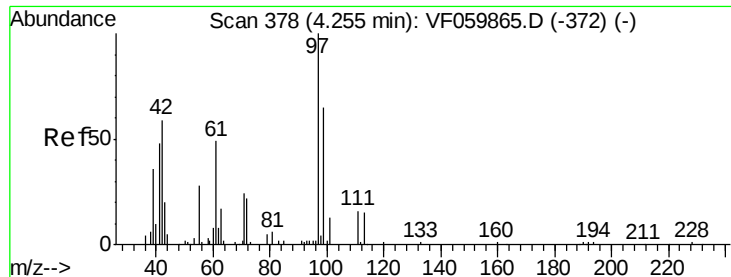


#28

Bromochloromethane
Concen: 50.46 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	79.4	73.8	110.8





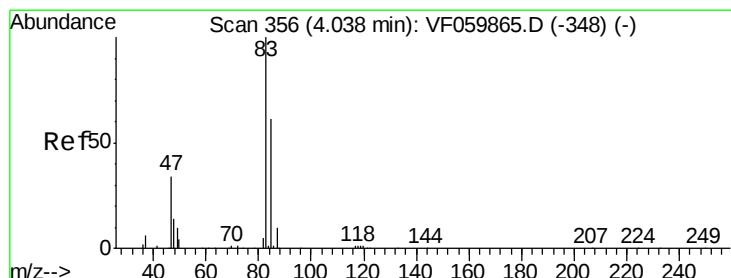
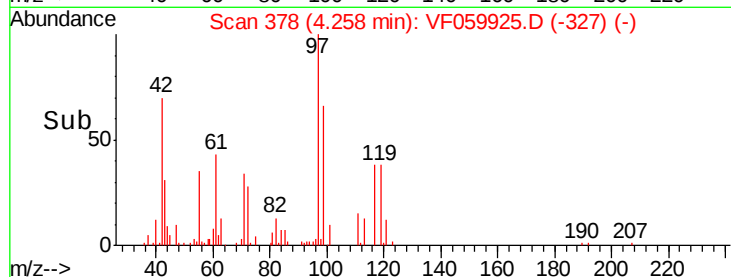
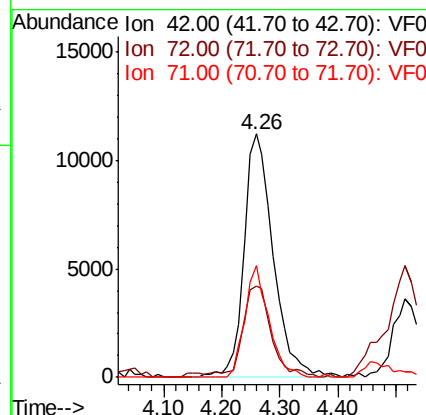
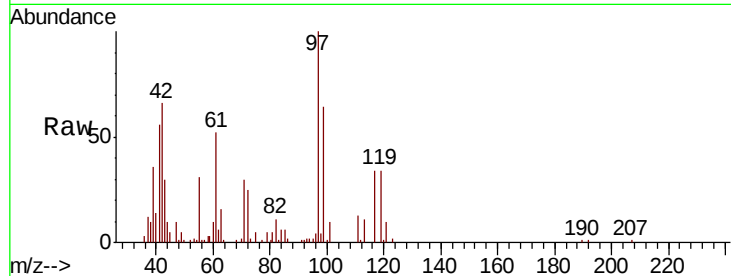
#29
Tetrahydrofuran
Concen: 287.42 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	29.3	43.9
71	37.5	30.0	45.0

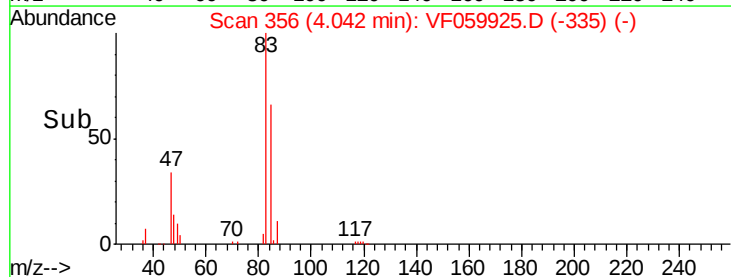
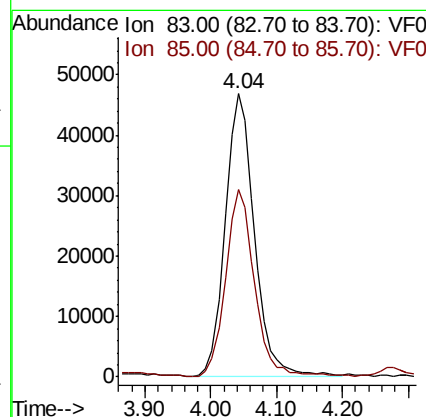
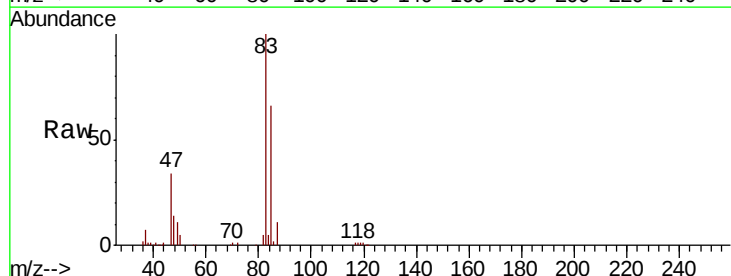
Manual Integrations
APPROVED

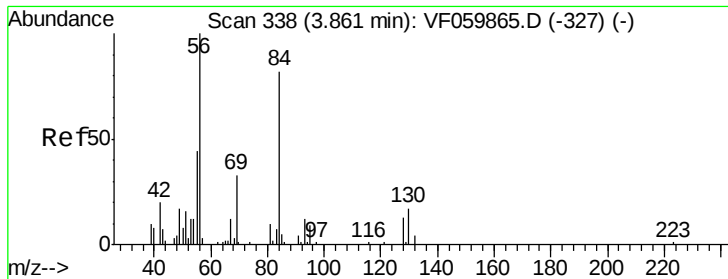
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#30
Chloroform
Concen: 50.34 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.3	73.9





#31

Cyclohexane

Concen: 55.67 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.02 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

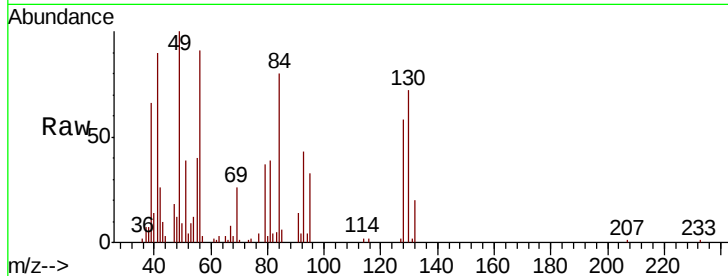
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	58972
Ion Ratio	Lower	Upper	
56	100		
69	28.1	26.7	40.1
84	87.2	65.9	98.9

Manual Integrations
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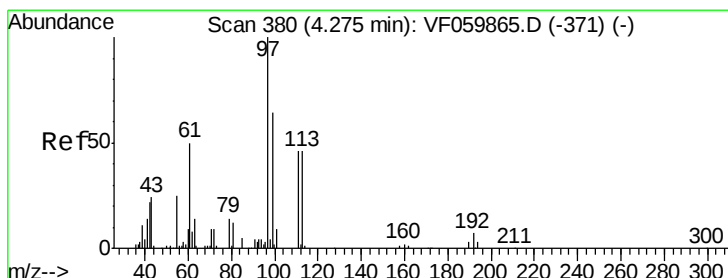
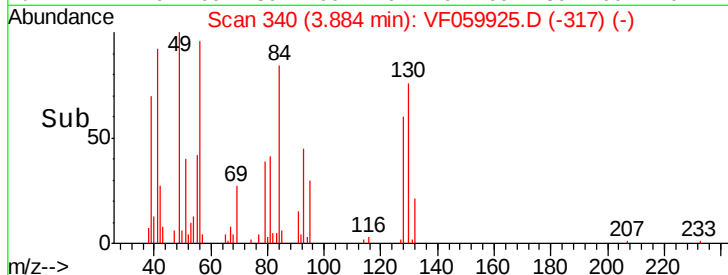
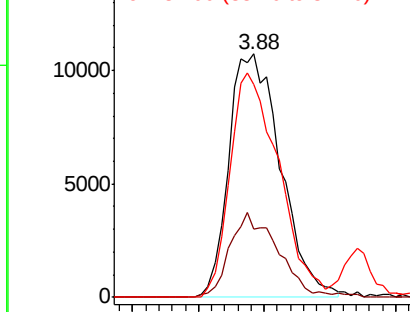


Abundance

Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 50.58 ug/l

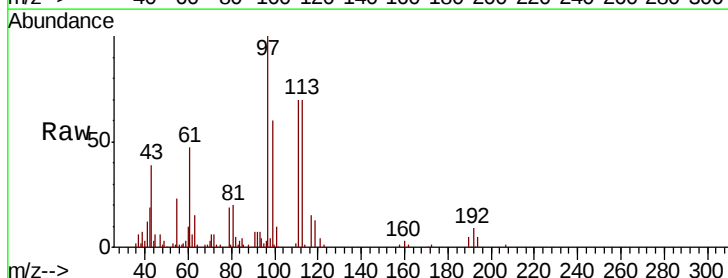
RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion:	97	Resp:	117164
Ion Ratio	Lower	Upper	
97	100		
99	60.2	51.4	77.2
61	47.0	40.8	61.2

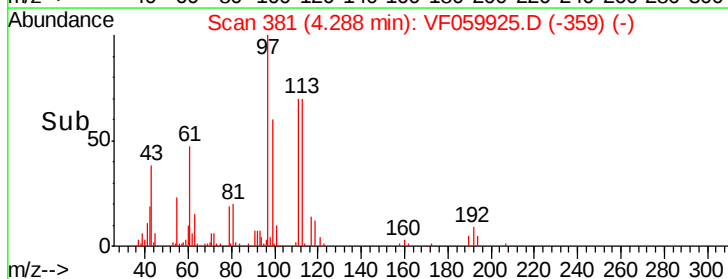
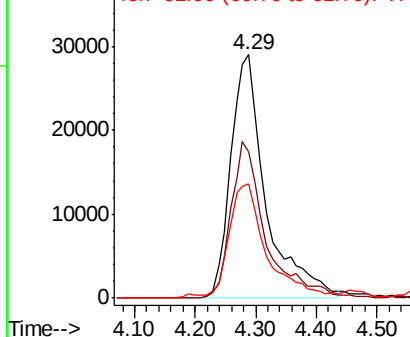


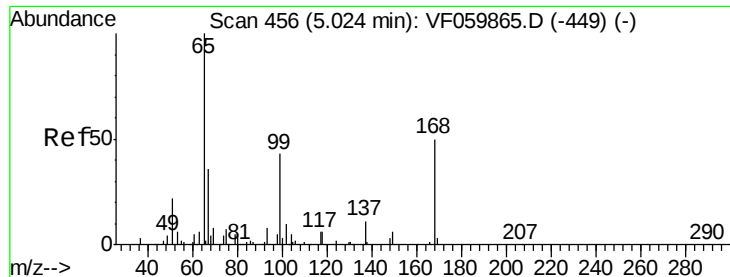
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





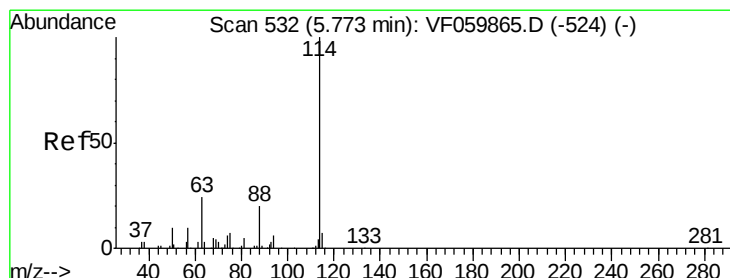
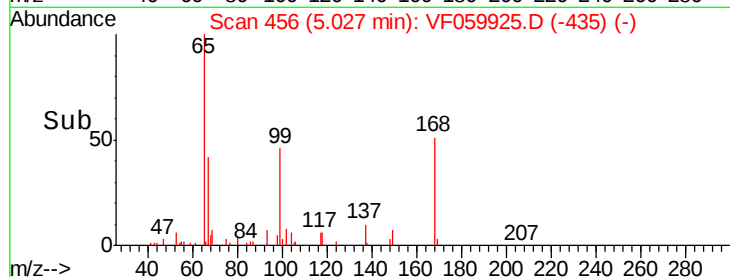
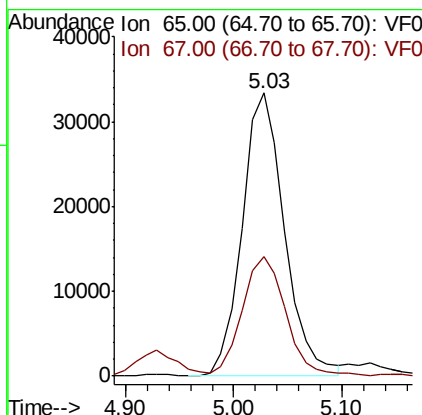
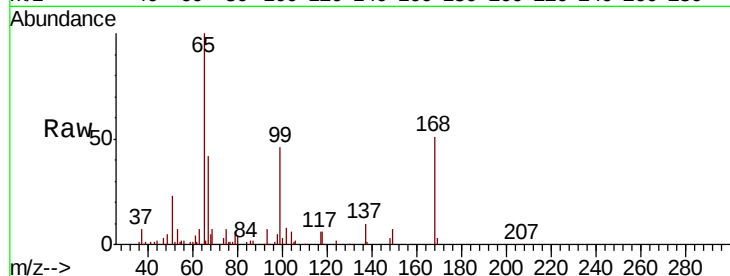
#33
 1,2-Dichloroethane-d4
 Concen: 49.31 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	42.4	0.0	77.2

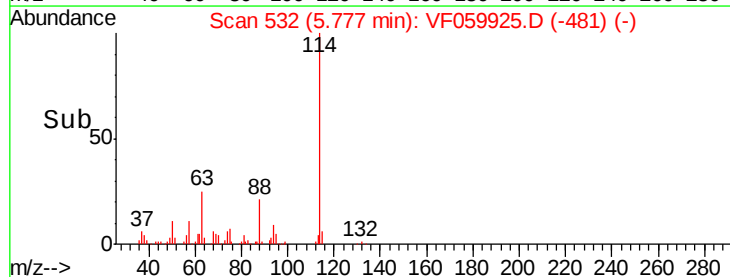
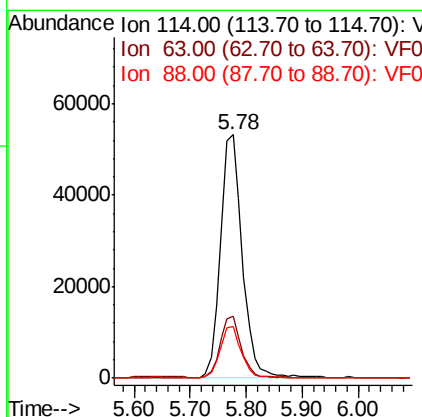
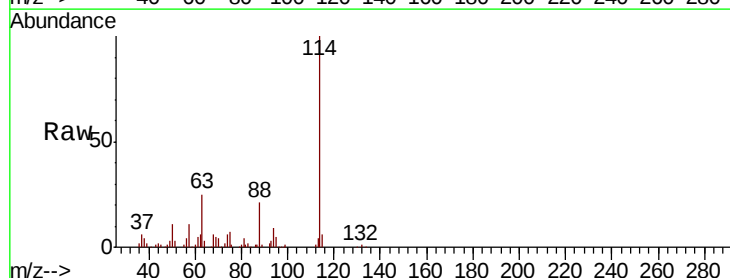
Manual Integrations
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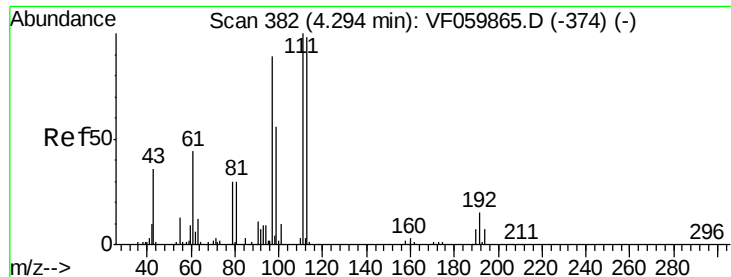
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.4	0.0	48.0
88	21.2	0.0	39.4





#35

Dibromofluoromethane

Concen: 49.51 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

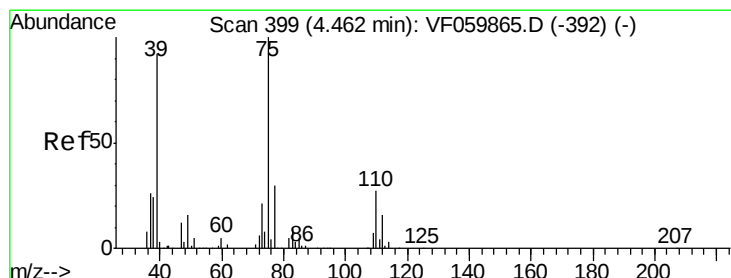
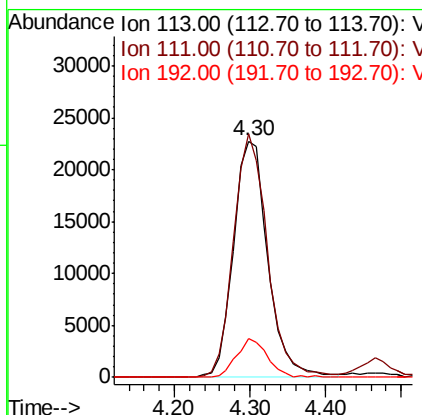
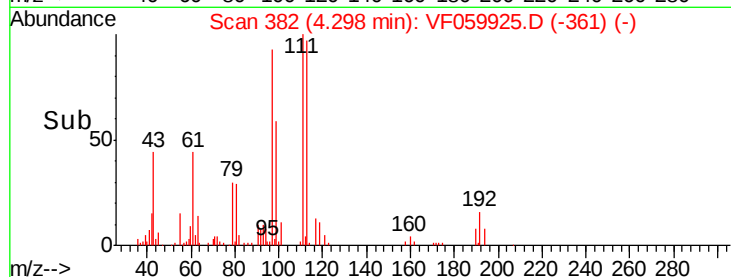
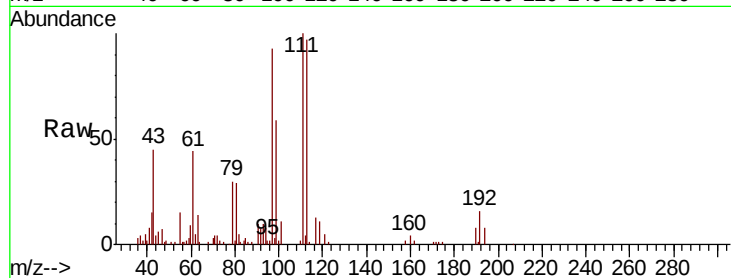
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	71584
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	16.4	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.84 ug/l

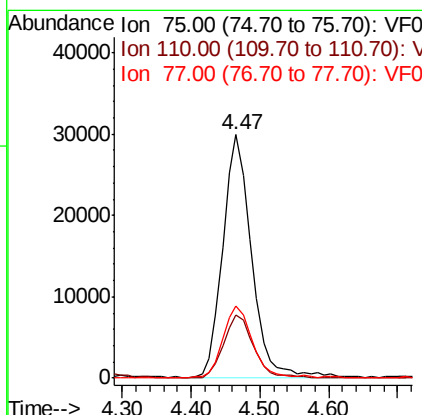
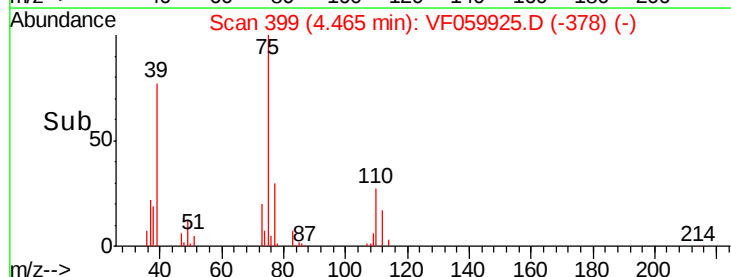
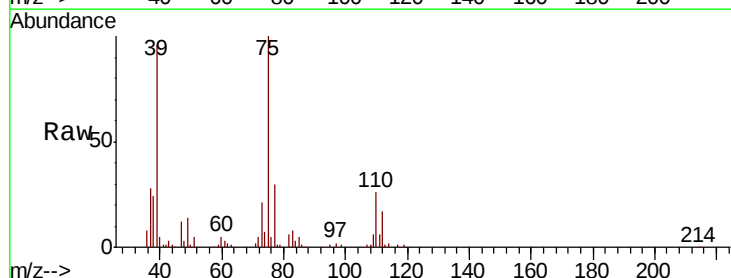
RT: 4.47 min Scan# 399

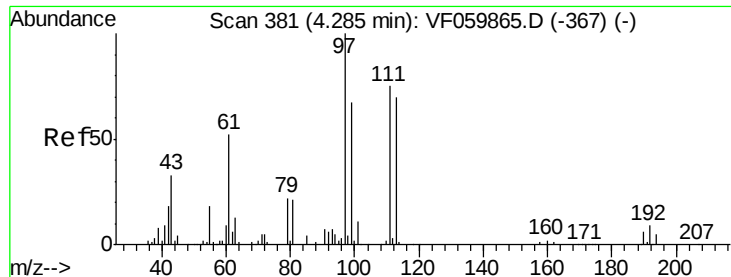
Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion:	75	Resp:	87122
Ion	Ratio	Lower	Upper
75	100		
110	25.9	13.6	40.7
77	29.6	23.7	35.5





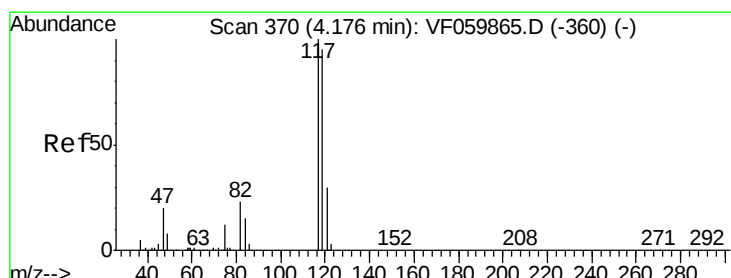
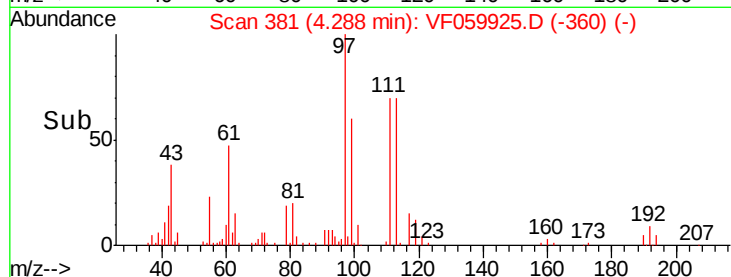
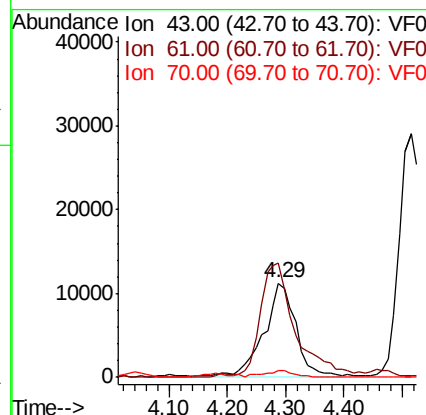
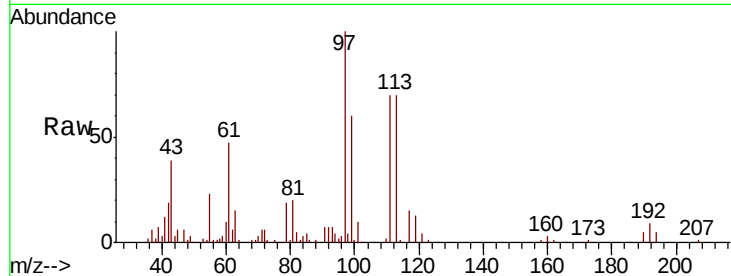
#37
Ethyl Acetate
Concen: 60.64 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	121.2	123.7	185.5#
70	7.7	7.8	11.8#

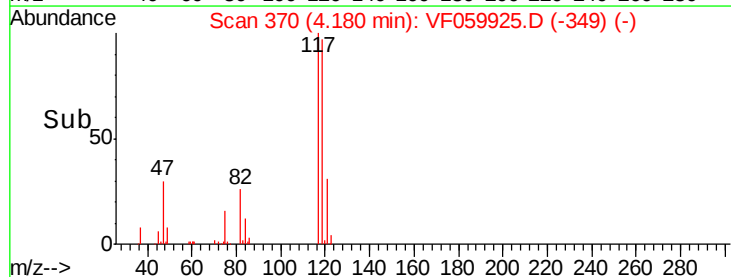
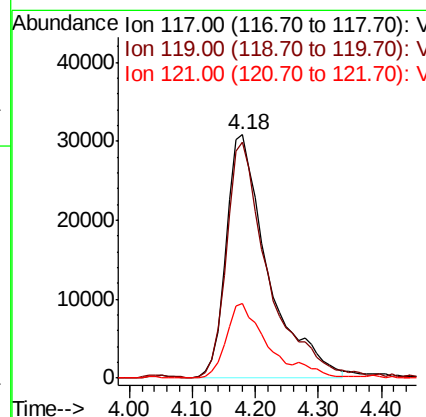
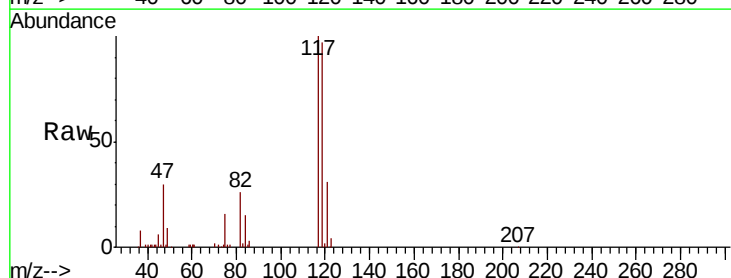
Manual Integrations
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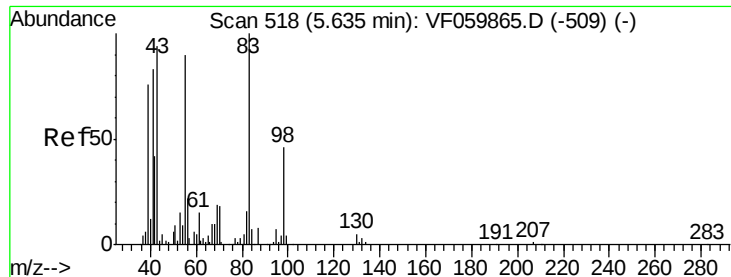
apatel
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#38
Carbon Tetrachloride
Concen: 59.21 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.5	114.7
121	30.6	23.8	35.8





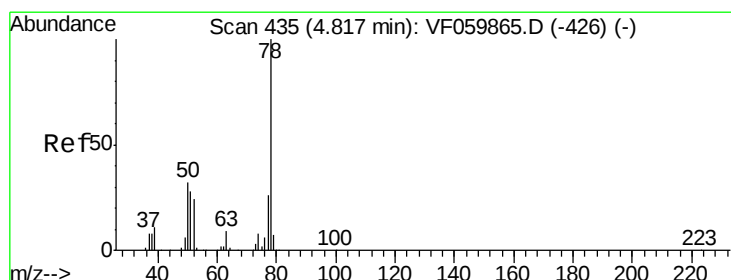
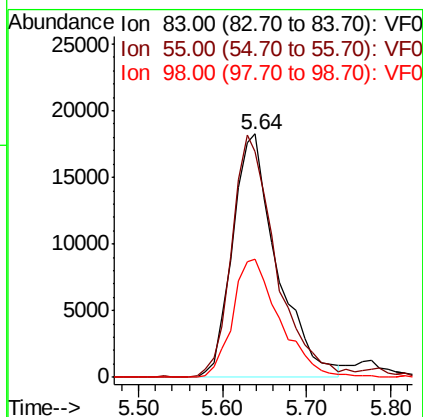
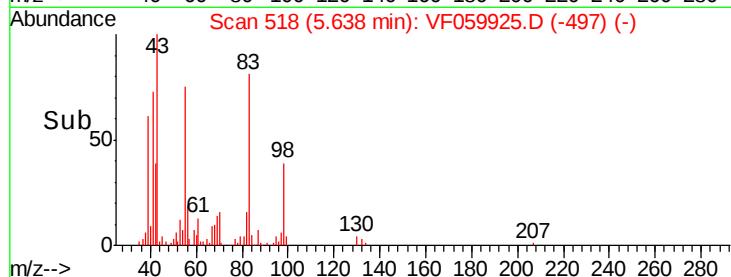
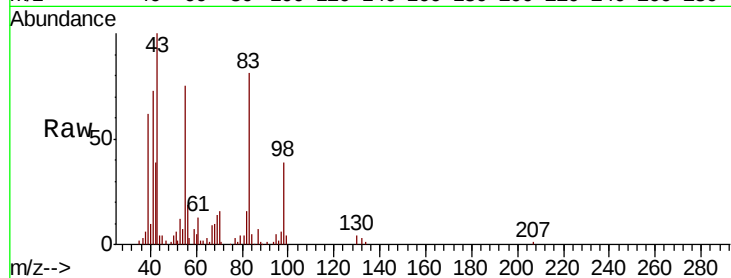
#39
Methvlcvclohexane
Concen: 53.38 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.8	72.0	108.0
98	48.3	36.6	54.8

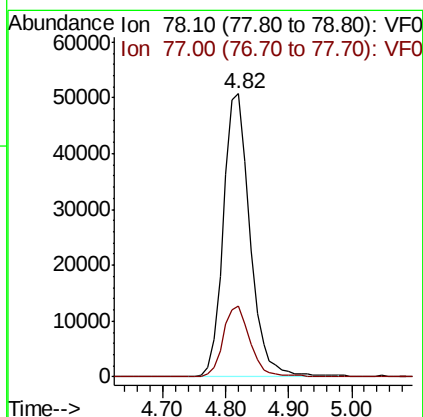
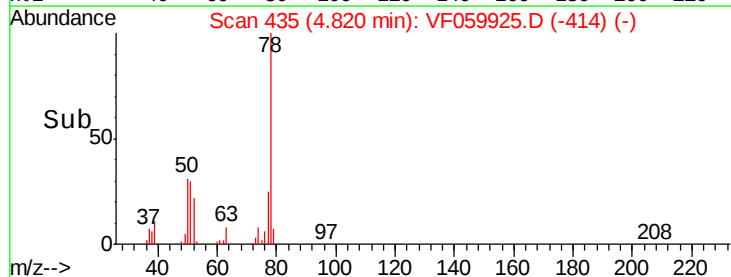
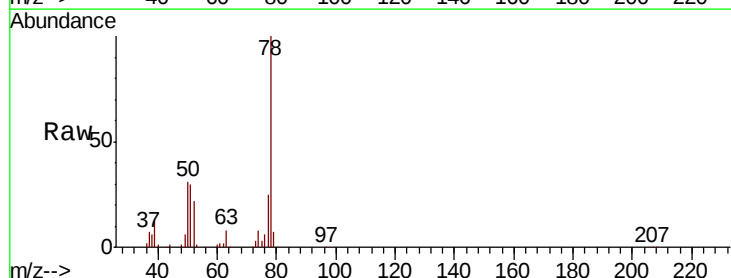
Manual Integrations
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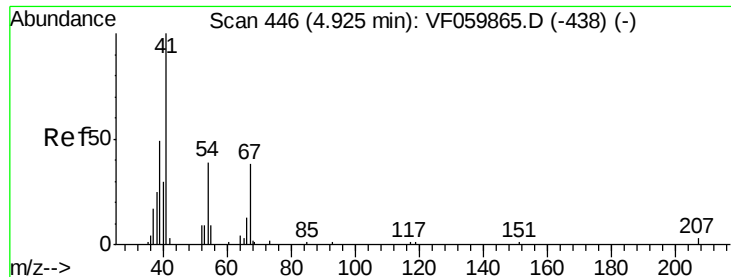
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#40
Benzene
Concen: 51.91 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	20.7	31.1





#41

Methacrylonitrile

Concen: 52.45 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

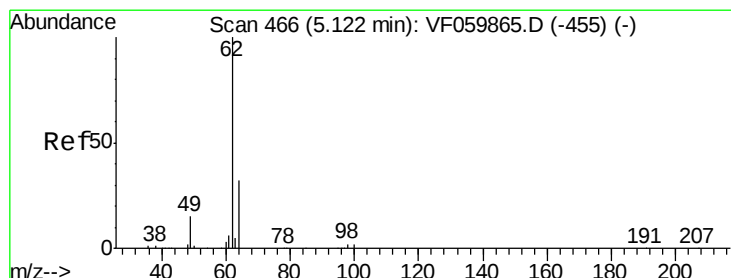
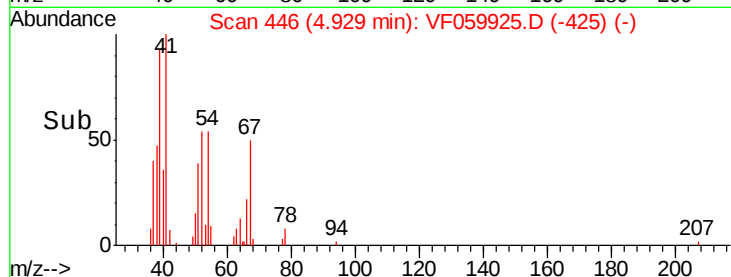
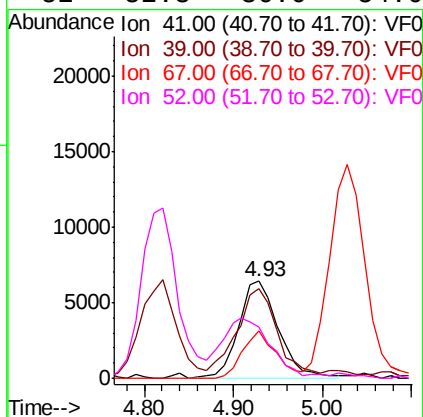
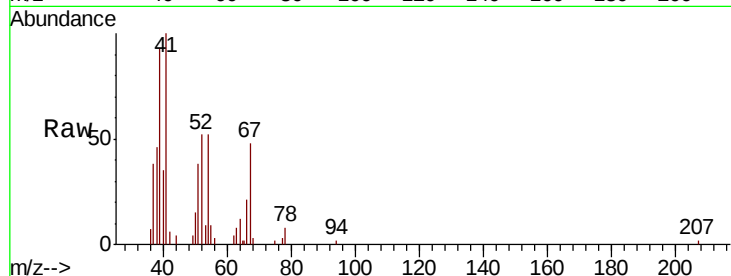
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	92.8	55.1	82.7#
67	48.4	30.3	45.5#
52	52.3	36.0	54.0

Manual Integrations
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apatel
8/9/2018 10:41:52 AM



#42

1,2-Dichloroethane

Concen: 50.02 ug/l

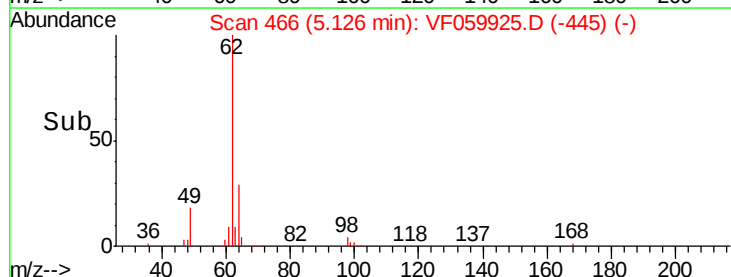
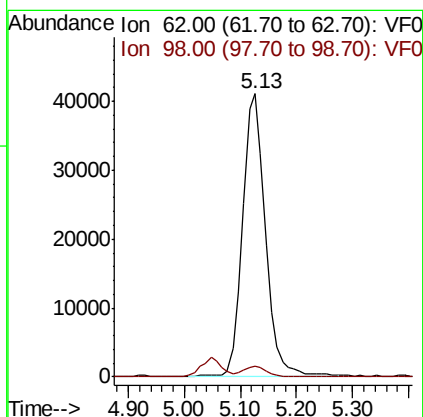
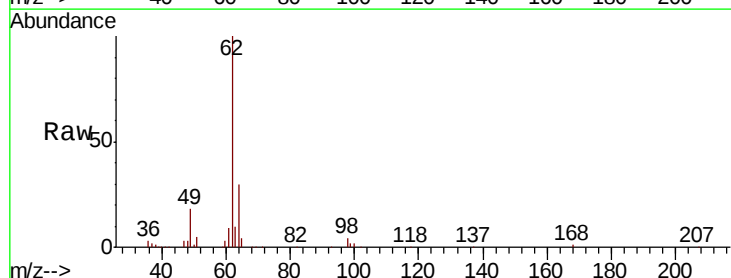
RT: 5.13 min Scan# 466

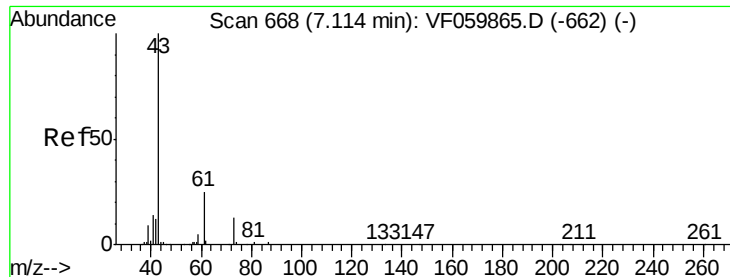
Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	7.6





#43

Isopropyl Acetate

Concen: 62.19 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

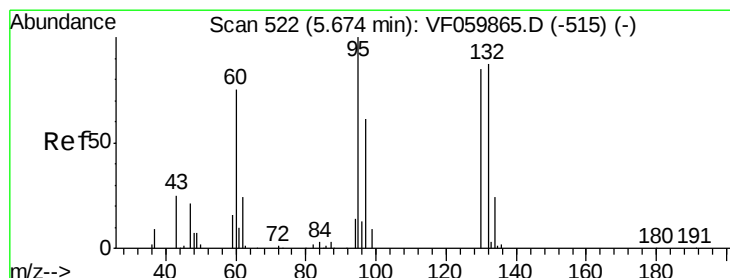
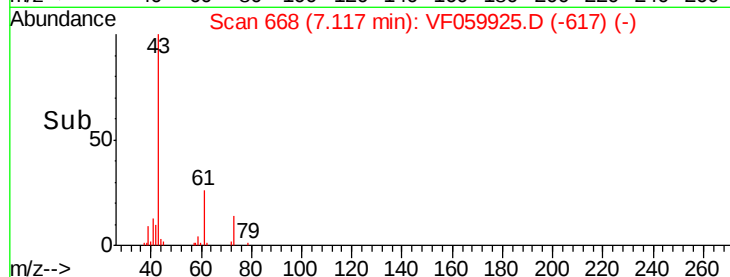
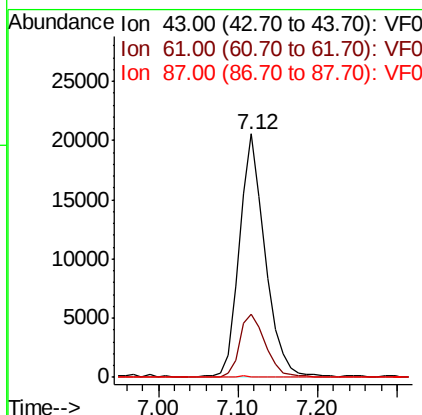
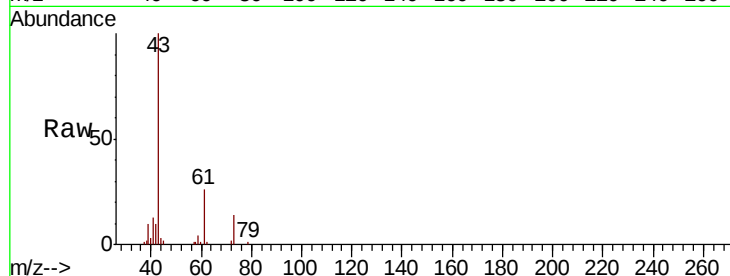
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	46215
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.3	30.5
87	0.0	0.7	1.1#

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#44

Trichloroethene

Concen: 52.54 ug/l

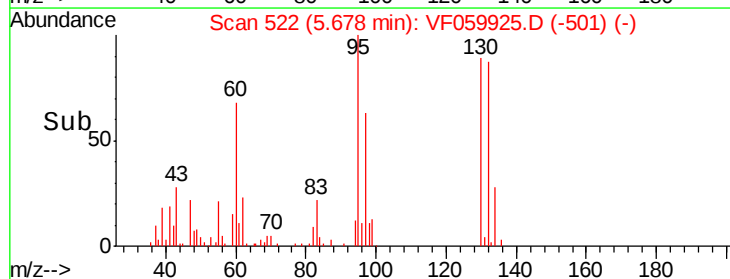
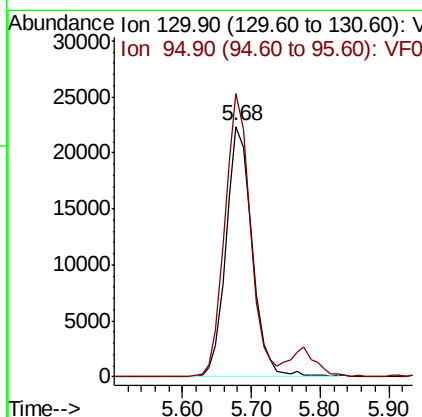
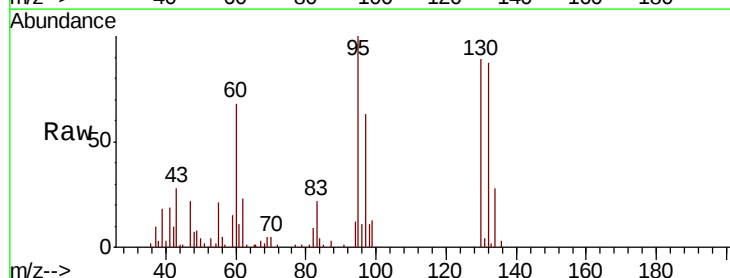
RT: 5.68 min Scan# 522

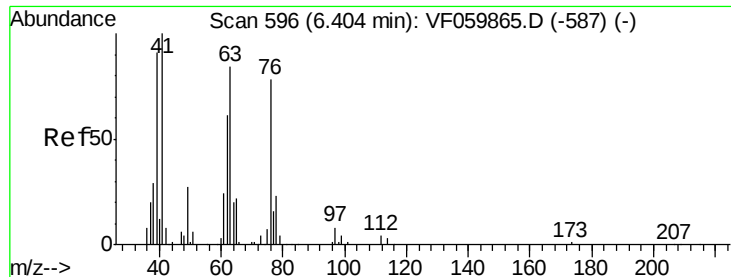
Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion:	130	Resp:	58807
Ion	Ratio	Lower	Upper
130	100		
95	112.9	0.0	236.8





#45

1,2-Dichloropropane

Concen: 51.64 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 39826

Ion Ratio Lower Upper

63 100

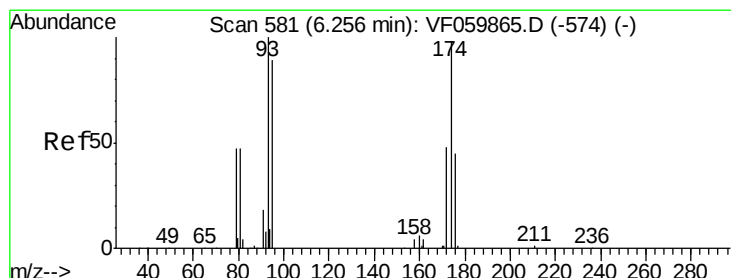
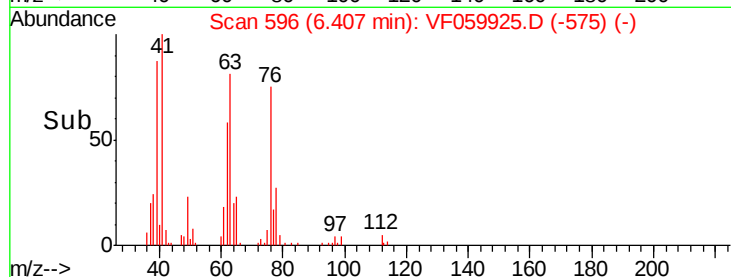
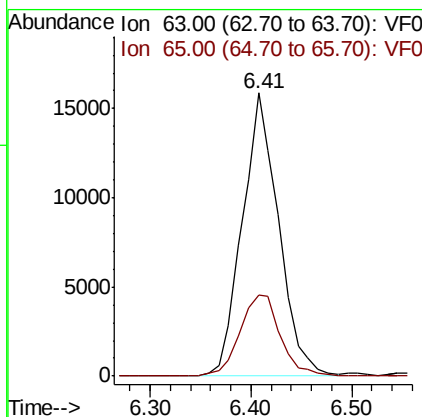
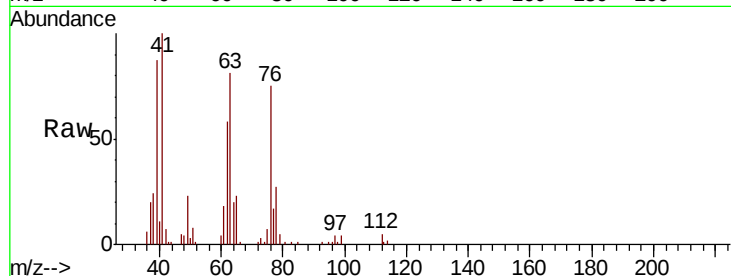
65 28.6 20.4 30.6

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#46

Dibromomethane

Concen: 51.65 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

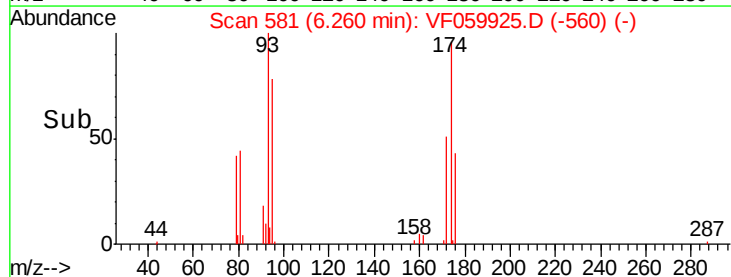
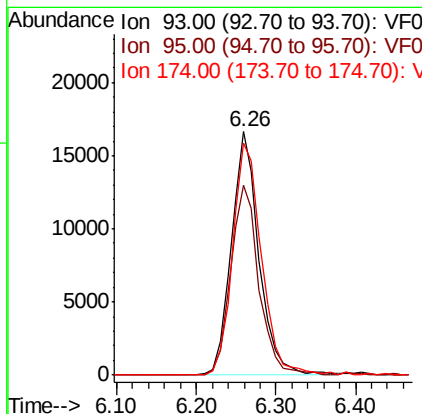
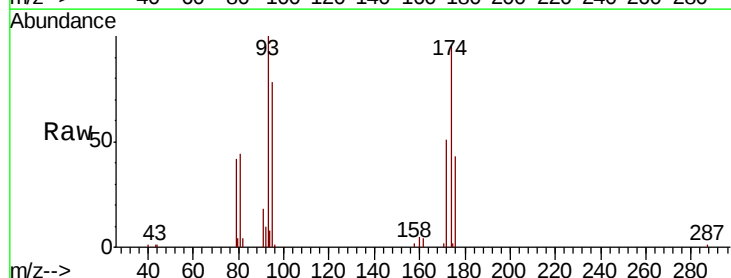
Tgt Ion: 93 Resp: 40194

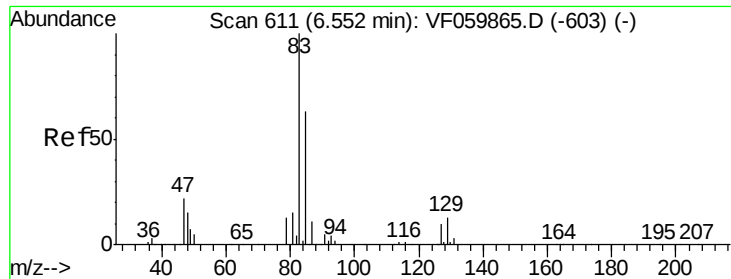
Ion Ratio Lower Upper

93 100

95 77.9 71.4 107.2

174 95.6 78.1 117.1





#47

Bromodichloromethane

Concen: 54.75 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

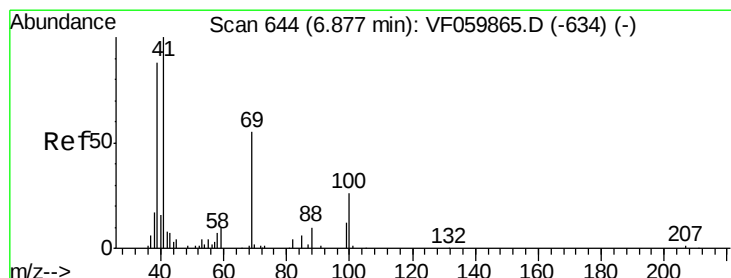
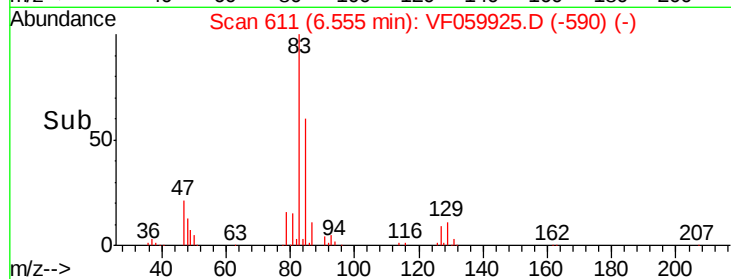
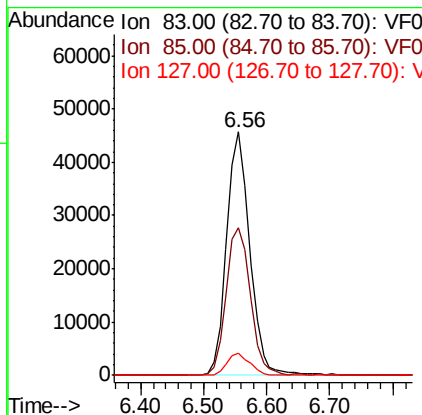
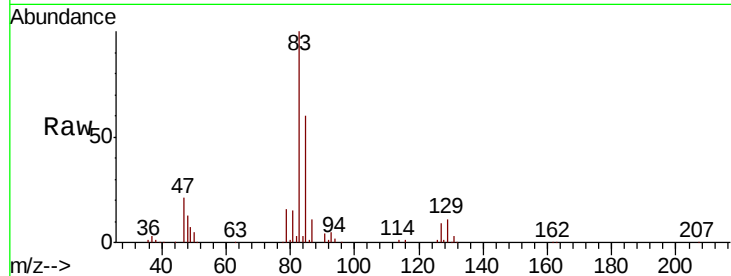
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	116548
Ion Ratio	Lower	Upper	
83	100		
85	60.4	50.7	76.1
127	9.2	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 60.71 ug/l

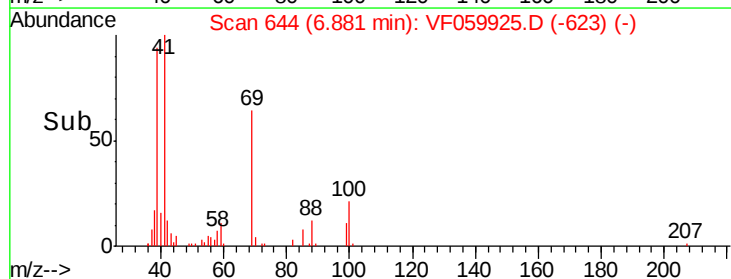
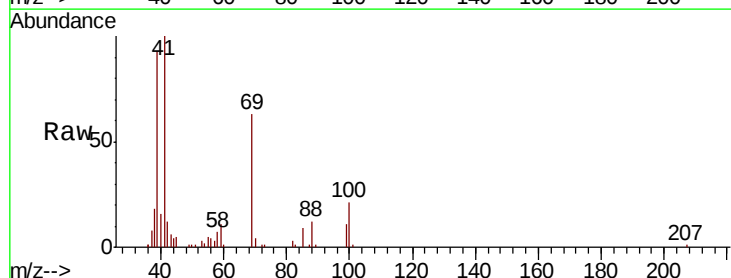
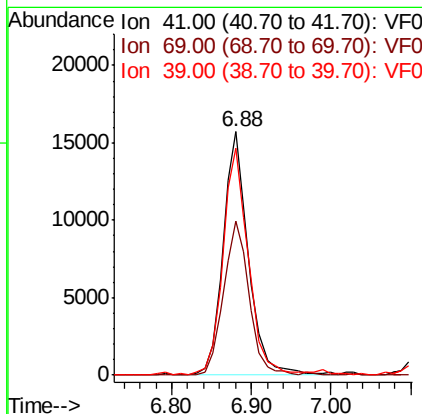
RT: 6.88 min Scan# 644

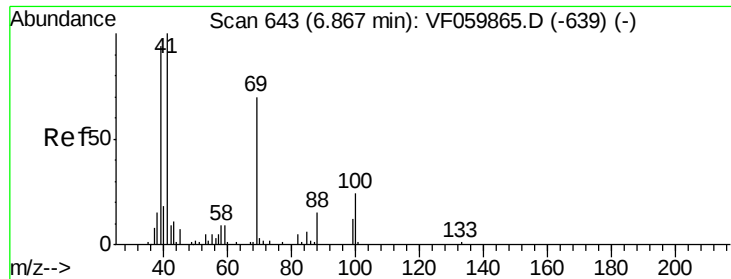
Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion:	41	Resp:	35099
Ion Ratio	Lower	Upper	
41	100		
69	63.1	44.4	66.6
39	93.1	70.6	106.0





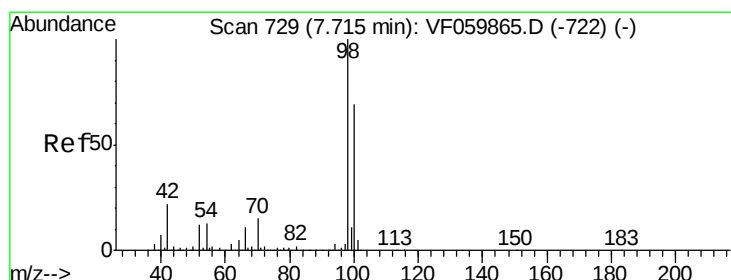
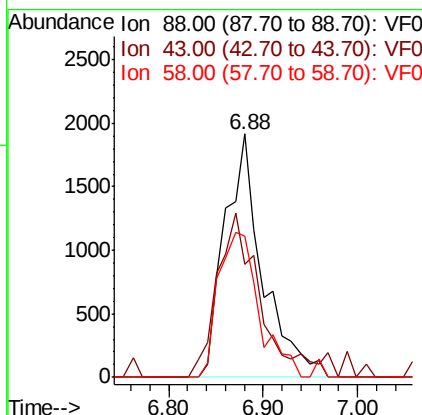
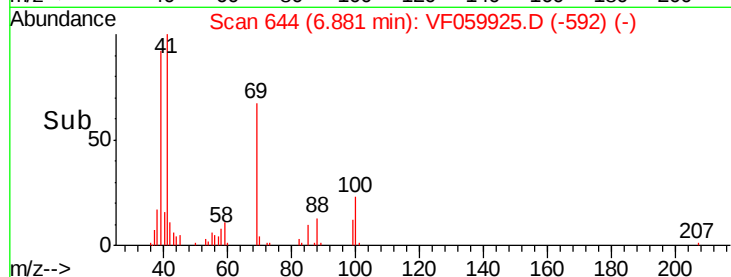
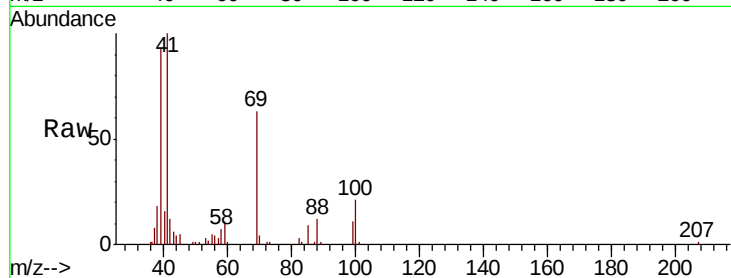
#49
1,4-Dioxane
Concen: 1264.99 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	46.5	58.3	87.5#	
58	57.9	49.4	74.2	

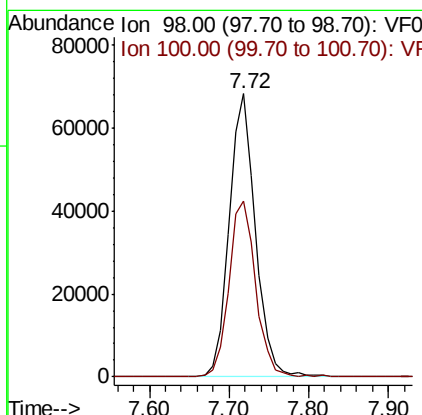
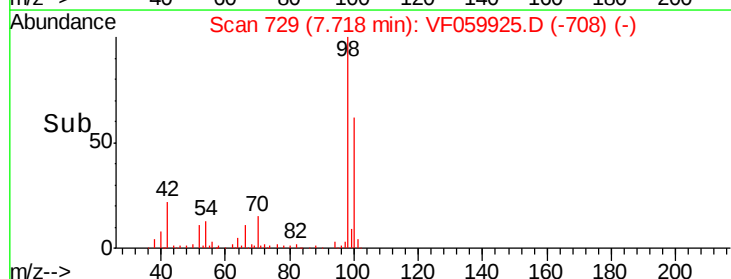
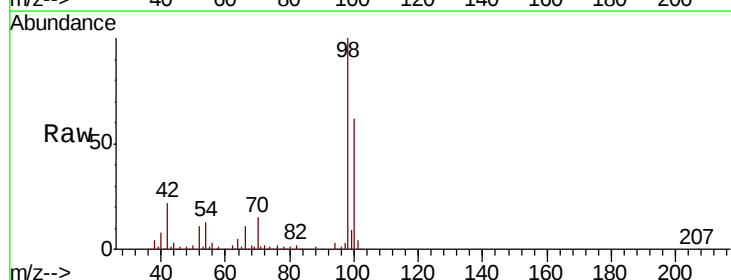
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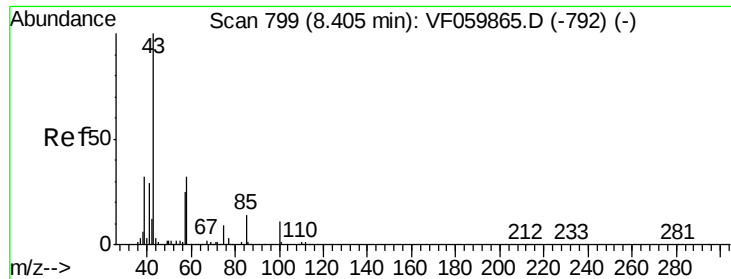
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#50
Toluene-d8
Concen: 51.21 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	62.0	55.0	82.6	





#51

4-Methyl-2-Pentanone

Concen: 299.38 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tot Ion: 43 Resp: 227453

Ion Ratio Lower Upper

43 100

58 30.9 25.4 38.0

Instrument :

MSVOA_F

ClientSampleId :

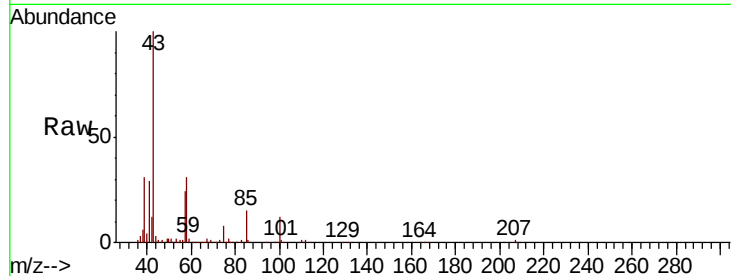
VSTDCCC050

Manual Integrations

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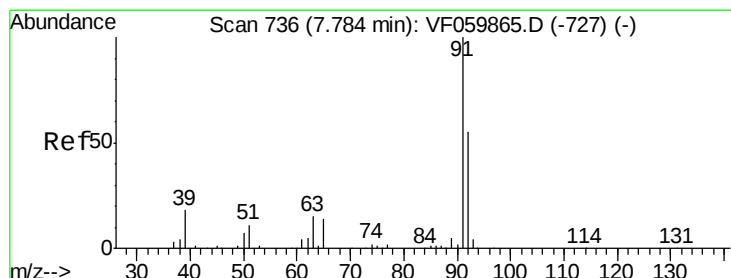
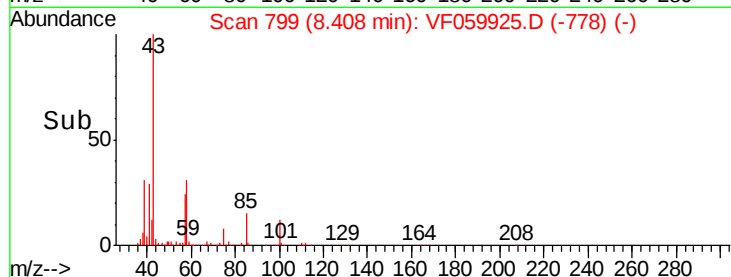
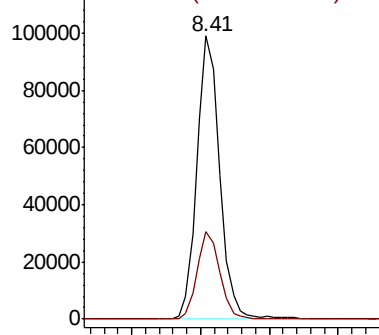
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 52.11 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059925.D

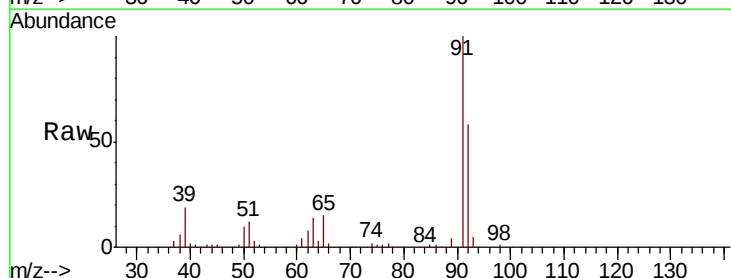
Acq: 8 Aug 2018 11:55

Tgt Ion: 92 Resp: 110621

Ion Ratio Lower Upper

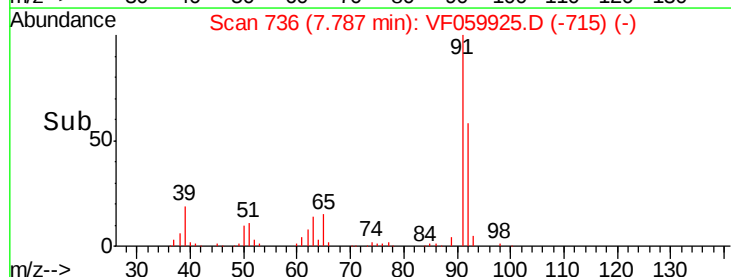
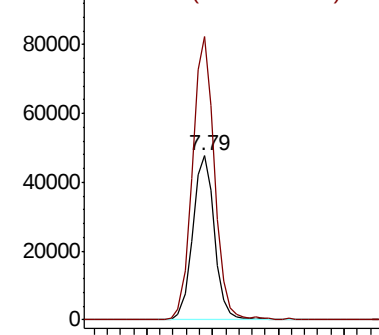
92 100

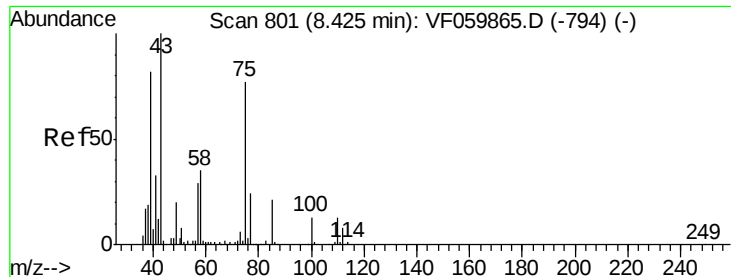
91 172.4 145.7 218.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





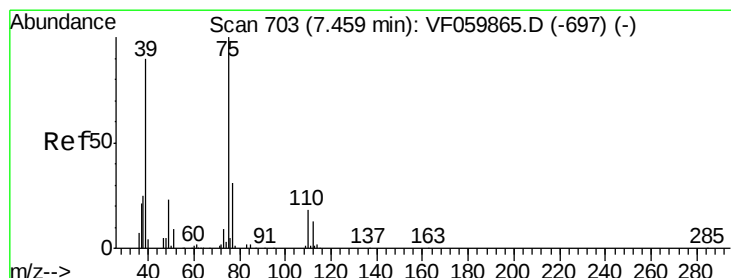
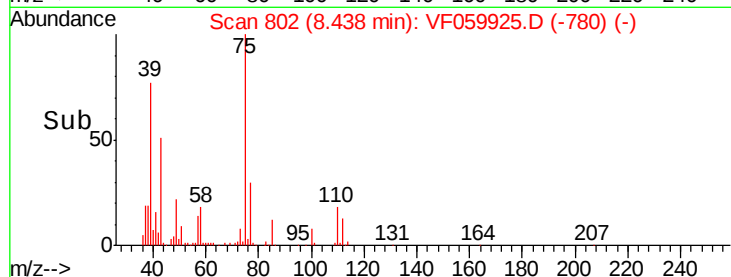
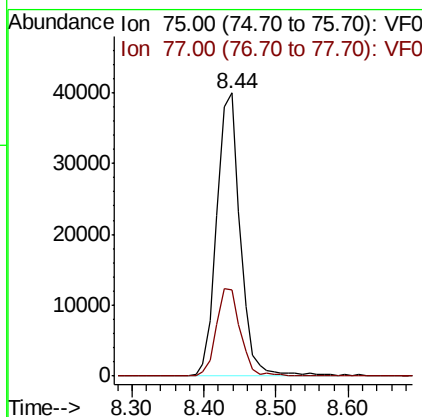
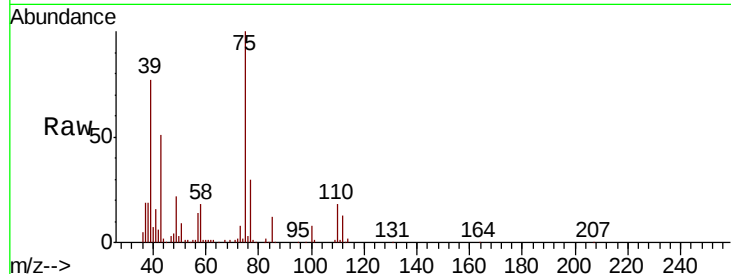
#53
 t-1,3-Dichloropropene
 Concen: 55.62 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.01 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 90063
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.5 36.7

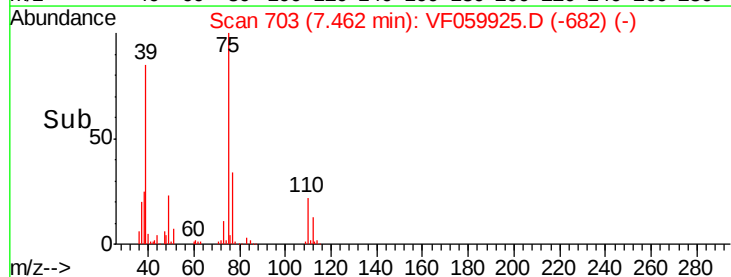
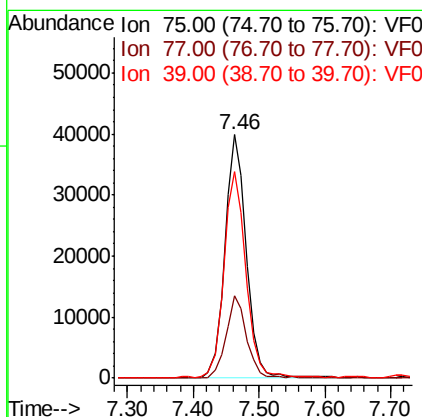
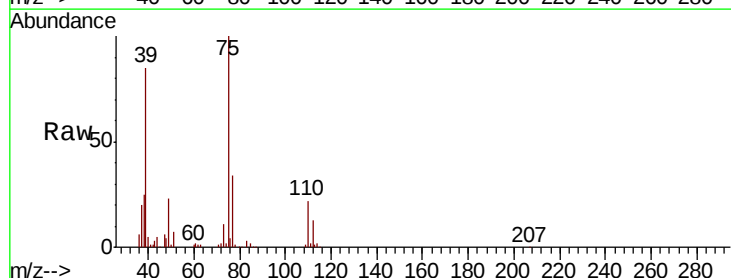
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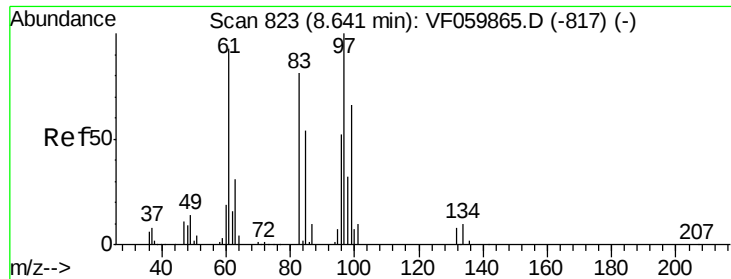
apatel
 8/9/2018 10:41:52 AM



#54
 cis-1,3-Dichloropropene
 Concen: 54.39 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion: 75 Resp: 90895
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.7 37.1
 39 84.9 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 55.53 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

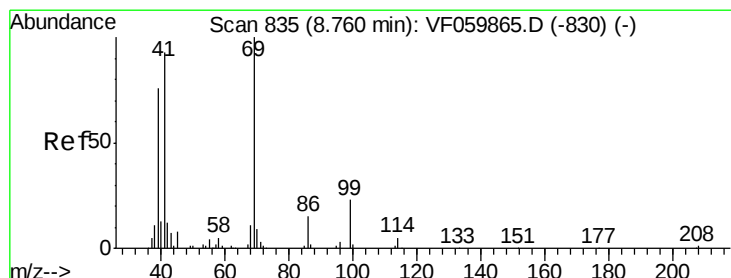
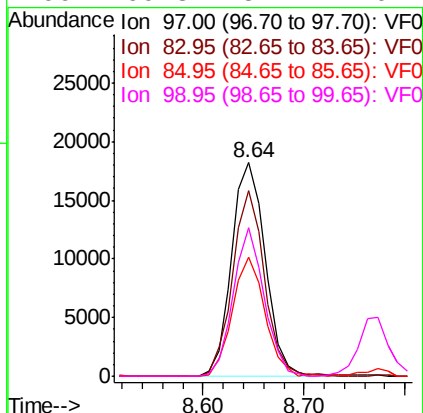
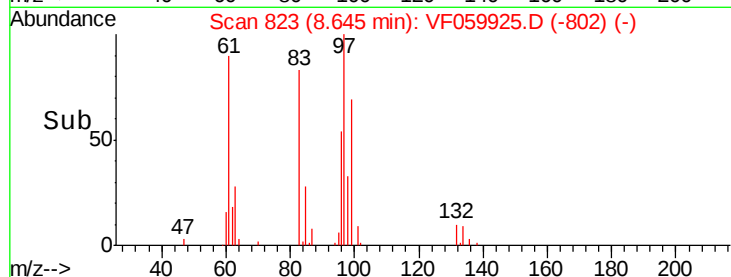
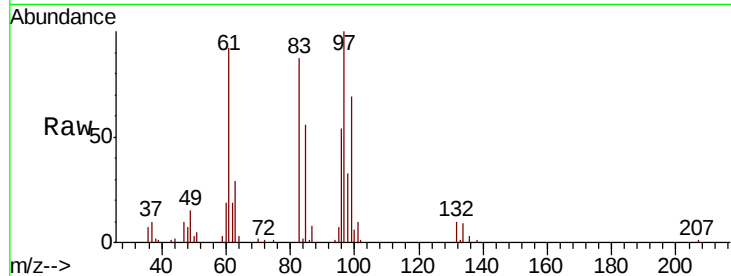
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	42432
Ion	Ratio	Lower	Upper
97	100		
83	87.0	64.4	96.6
85	55.7	43.1	64.7
99	69.3	52.7	79.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 55.88 ug/l

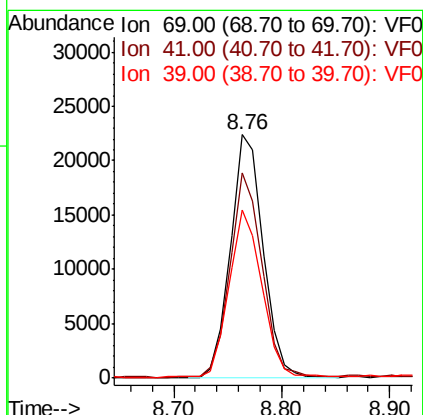
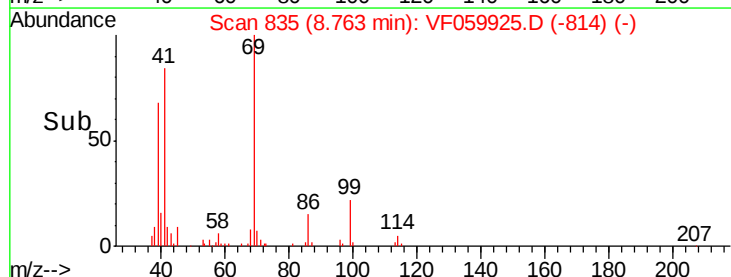
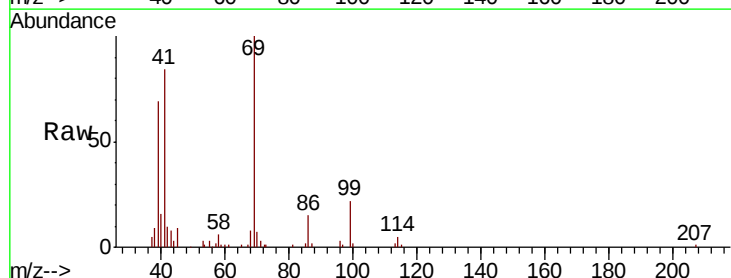
RT: 8.76 min Scan# 835

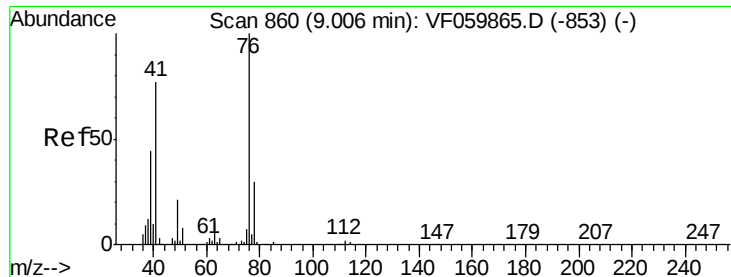
Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion:	69	Resp:	47180
Ion	Ratio	Lower	Upper
69	100		
41	84.3	74.7	112.1
39	69.1	61.1	91.7





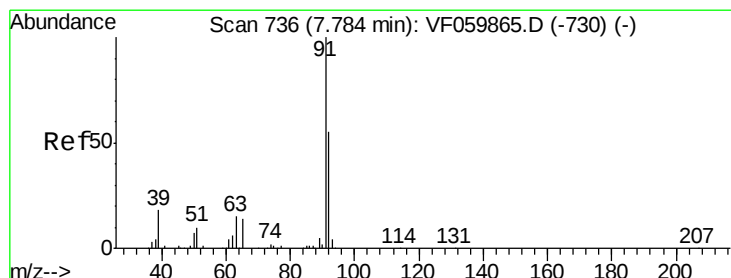
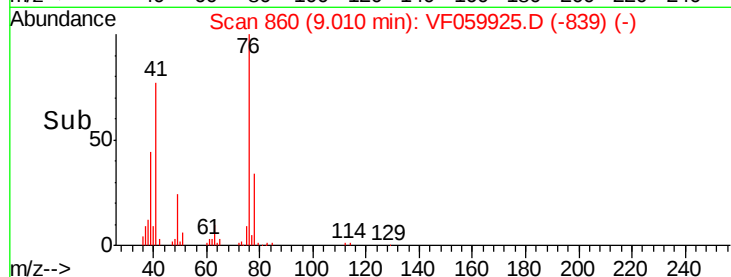
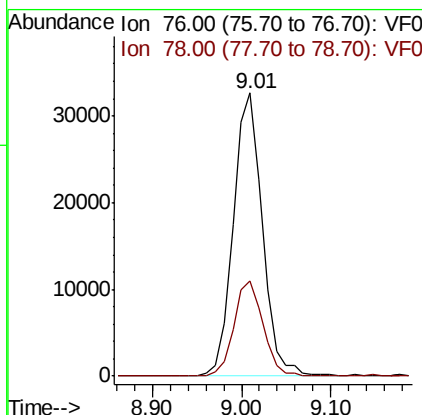
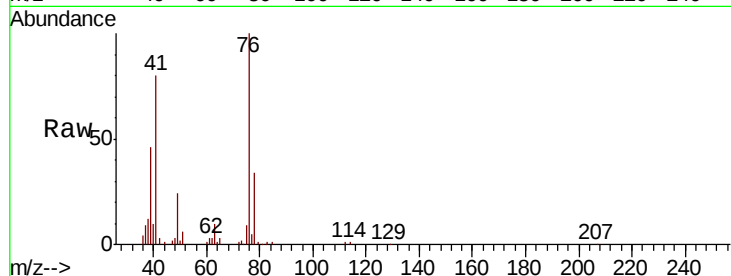
#57
 1,3-Dichloropropane
 Concen: 56.71 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	24.2	36.2

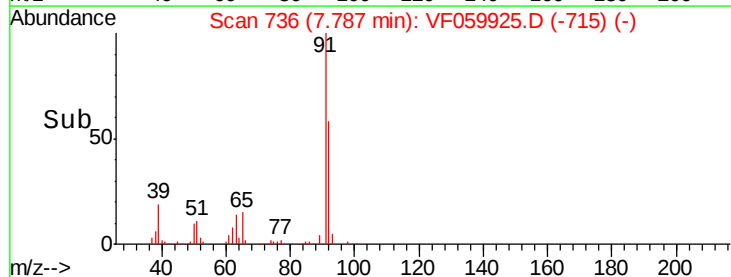
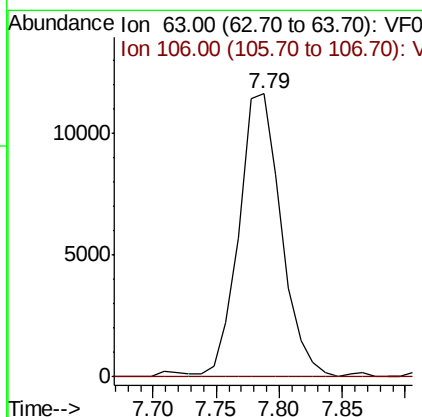
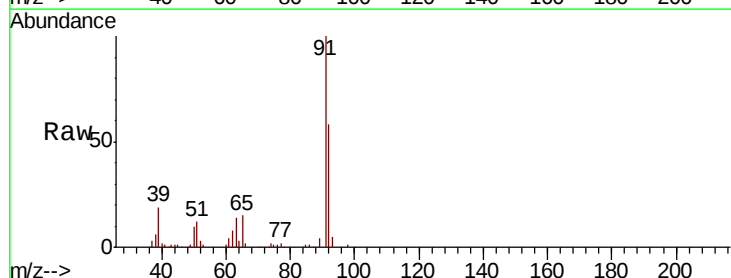
Manual Integrations
 APPROVED

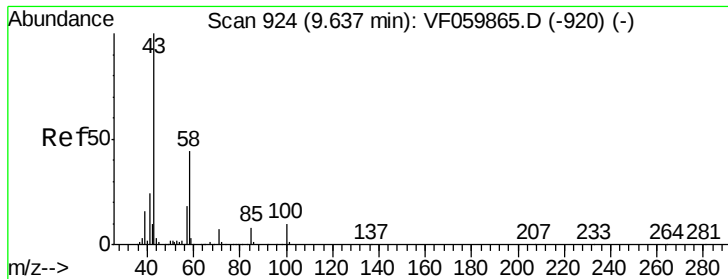
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 267.99 ug/l
 RT: 7.79 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





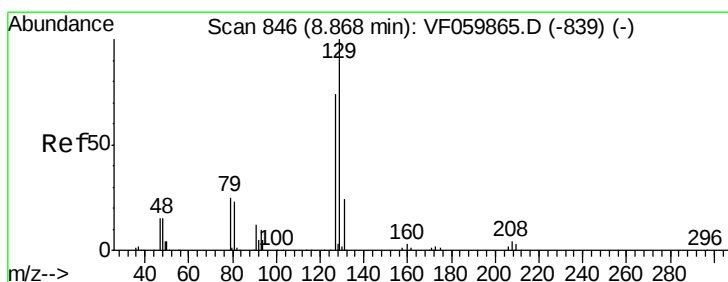
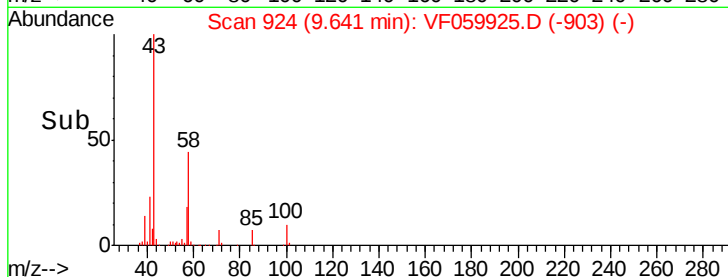
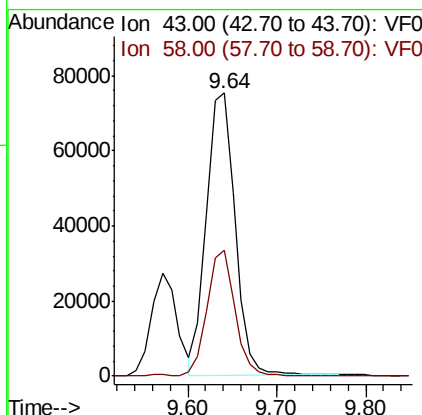
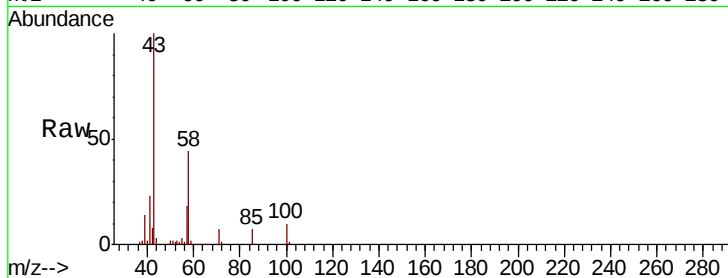
#59
2-Hexanone
Concen: 314.39 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.4	20.8	62.2

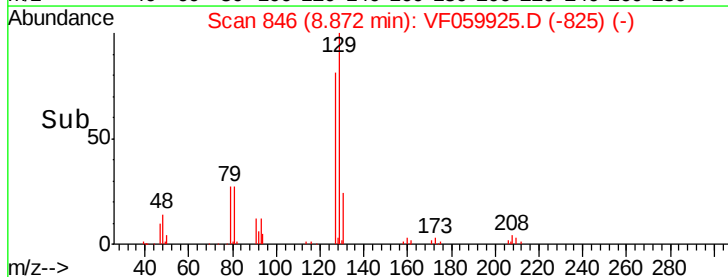
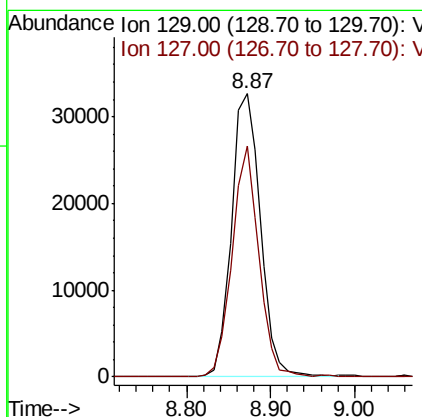
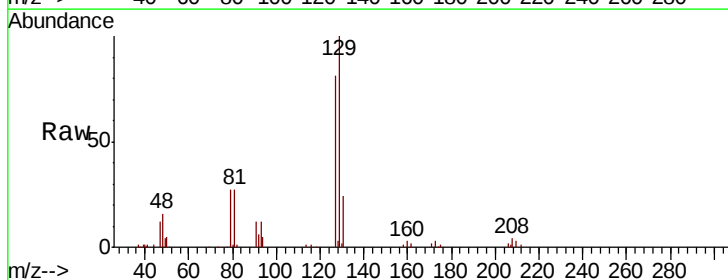
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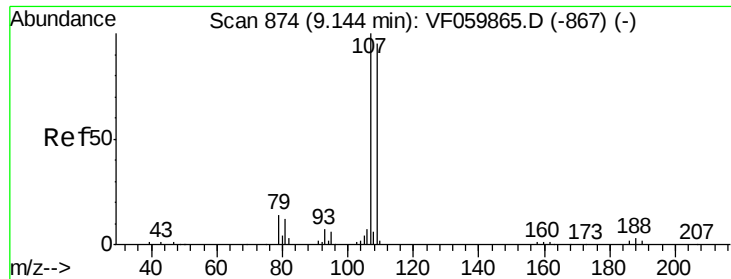
apatel
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#60
Dibromochloromethane
Concen: 54.58 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.4	36.9	110.7





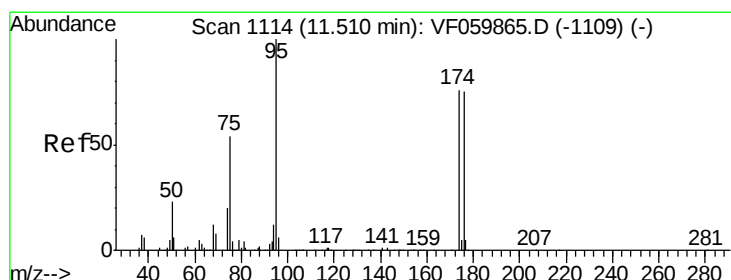
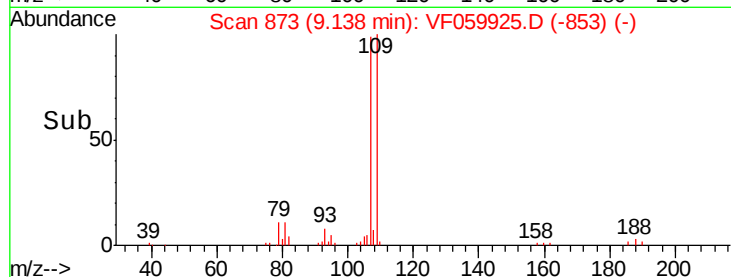
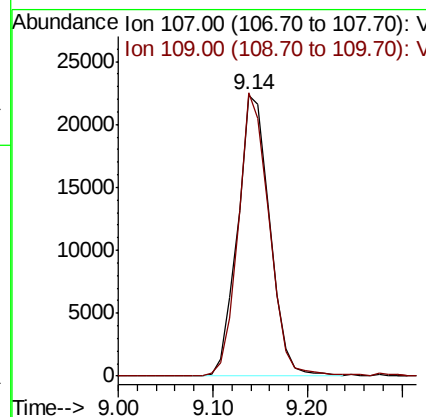
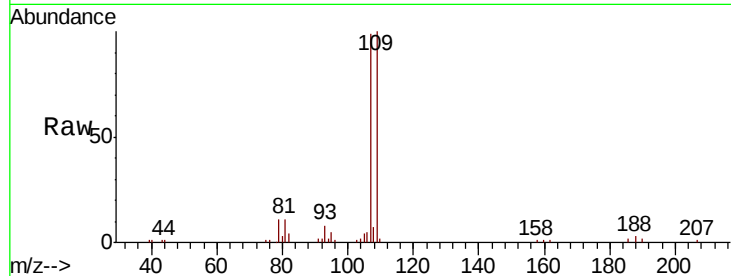
#61
 1,2-Dibromoethane
 Concen: 56.34 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 52459
 Ion Ratio Lower Upper
 107 100
 109 100.8 75.8 113.8

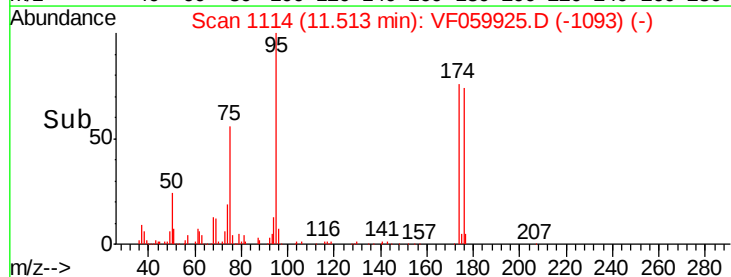
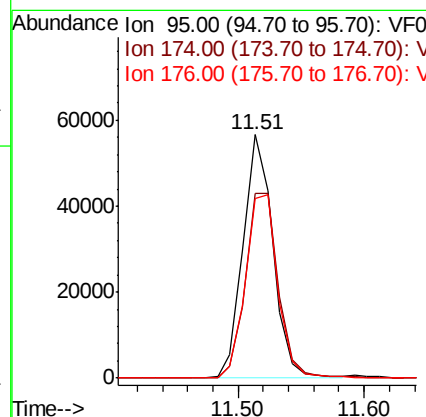
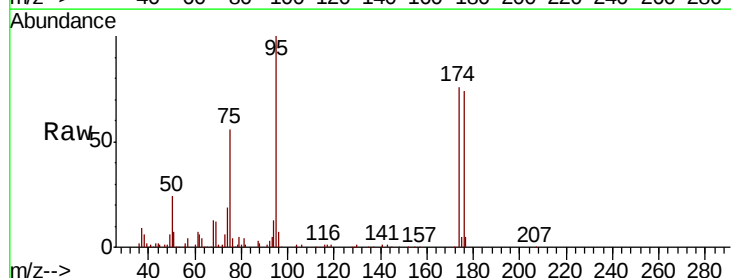
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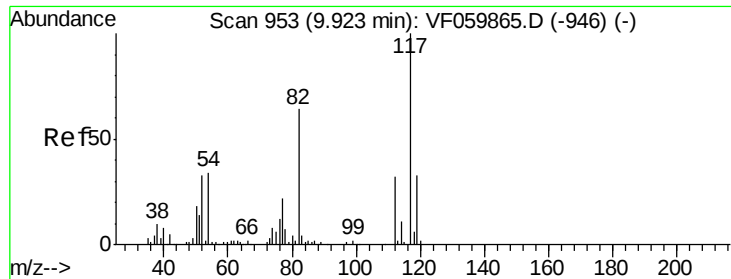
apatel
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#62
 4-Bromofluorobenzene
 Concen: 53.74 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion: 95 Resp: 92887
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 151.6
 176 73.6 0.0 149.8





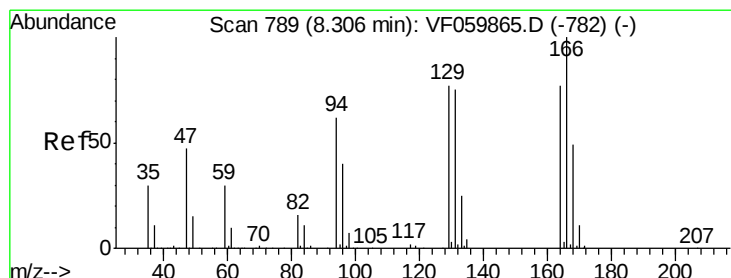
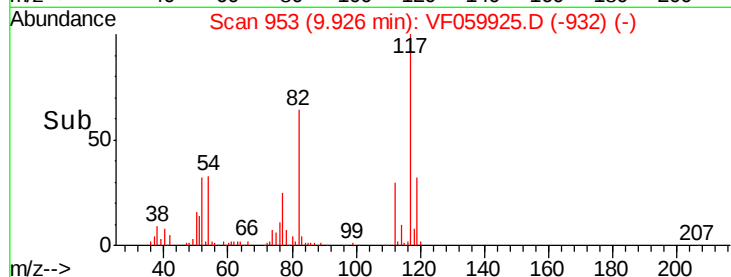
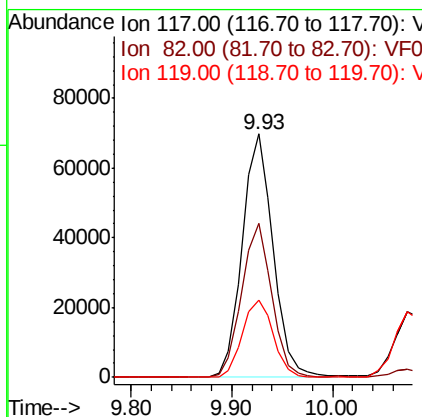
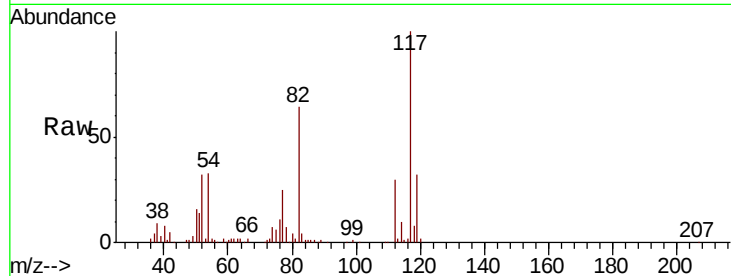
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	148939		
82	63.5	51.3	76.9	
119	31.8	26.4	39.6	

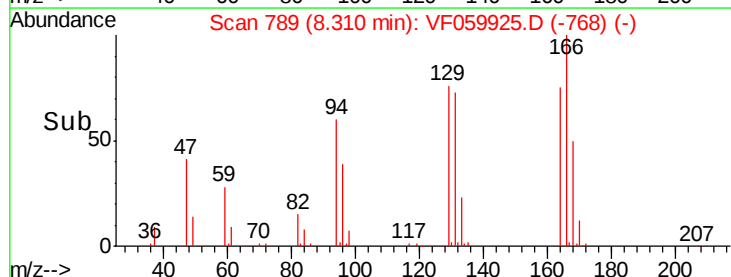
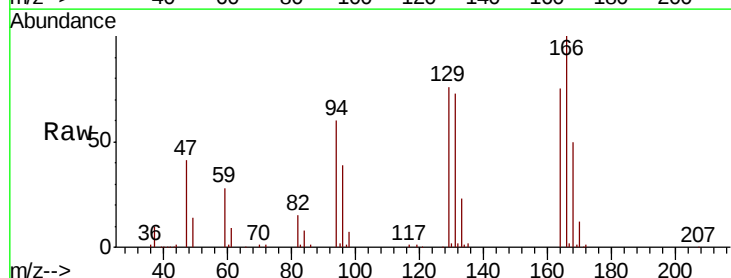
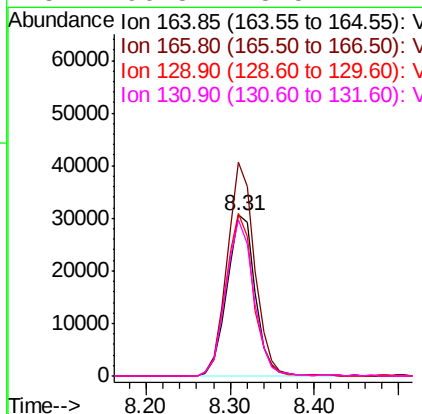
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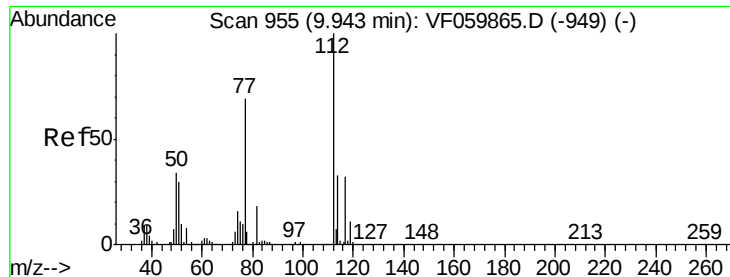
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#64
Tetrachloroethene
Concen: 55.57 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71393		
166	132.9	104.4	156.6	
129	100.8	80.3	120.5	
131	96.8	78.5	117.7	





#65

Chlorobenzene

Concen: 52.28 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 158037

Ion Ratio Lower Upper

112 100

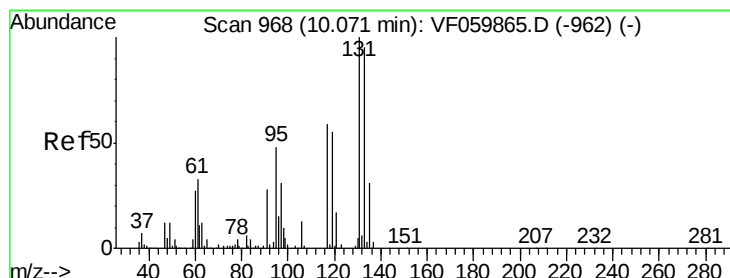
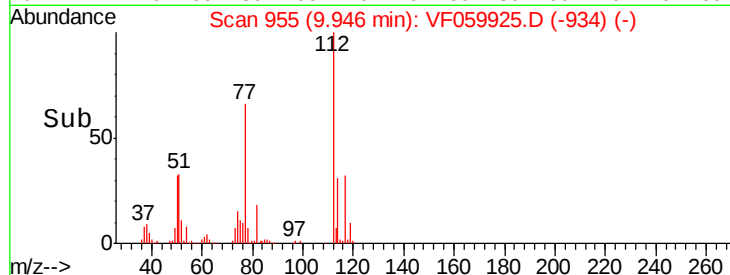
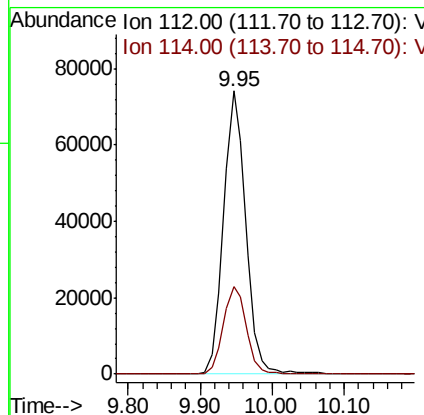
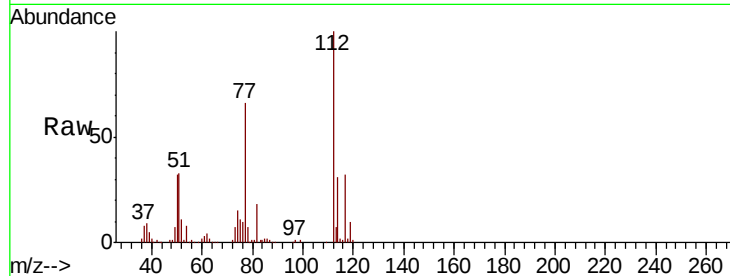
114 30.9 26.4 39.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 47.91 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

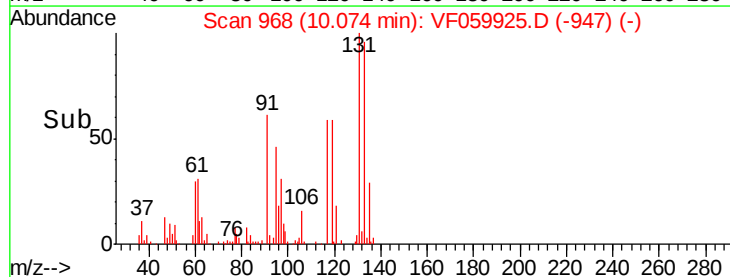
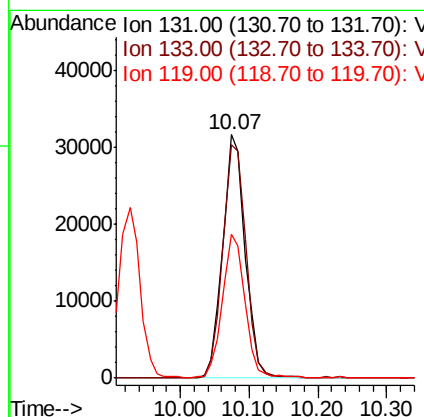
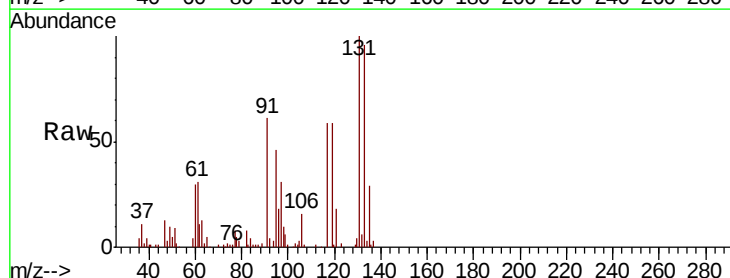
Tgt Ion:131 Resp: 72041

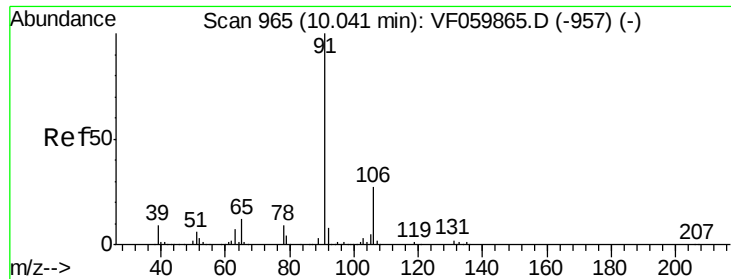
Ion Ratio Lower Upper

131 100

133 95.6 47.4 142.2

119 59.0 27.7 83.1





#67

Ethyl Benzene

Concen: 53.41 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 281302

Ion Ratio Lower Upper

91 100

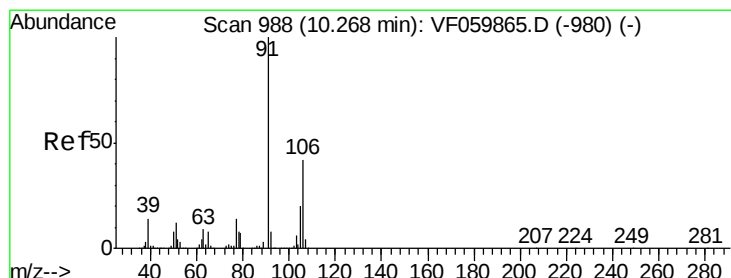
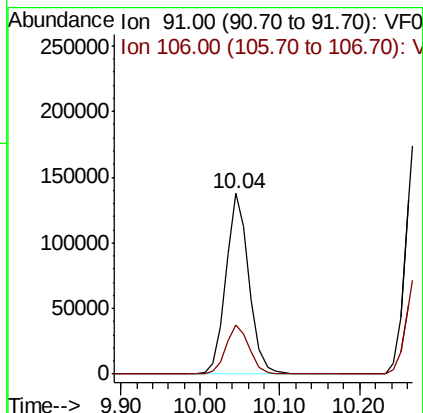
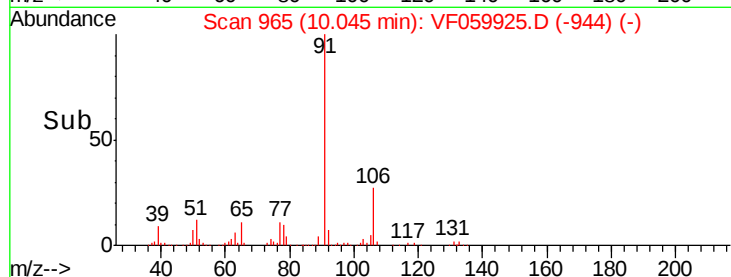
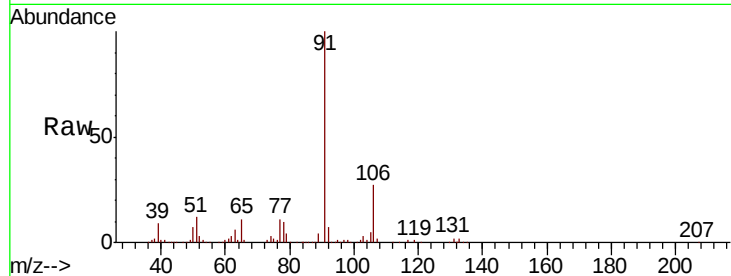
106 26.9 21.5 32.3

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#68

m/p-Xylenes

Concen: 108.04 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059925.D

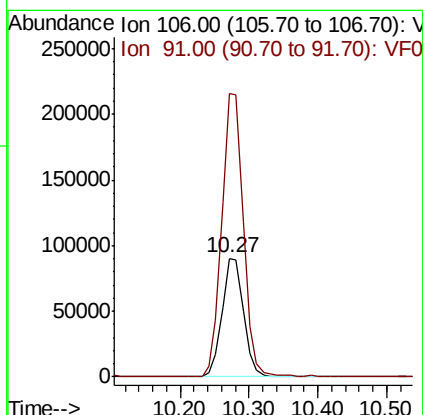
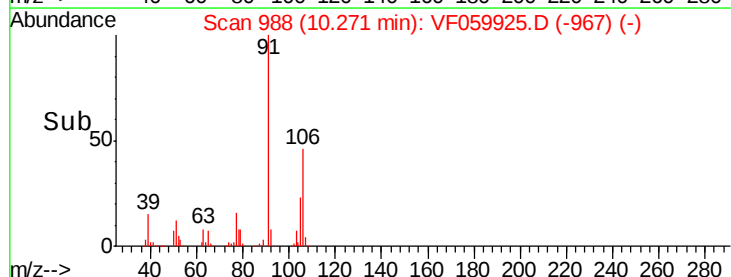
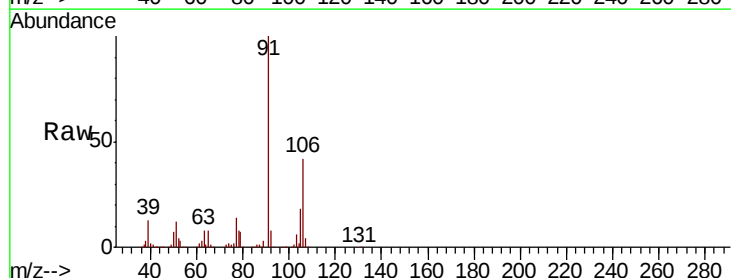
Acq: 8 Aug 2018 11:55

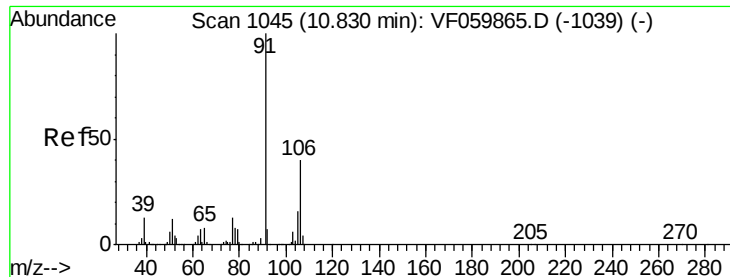
Tgt Ion: 106 Resp: 196705

Ion Ratio Lower Upper

106 100

91 239.4 192.1 288.1





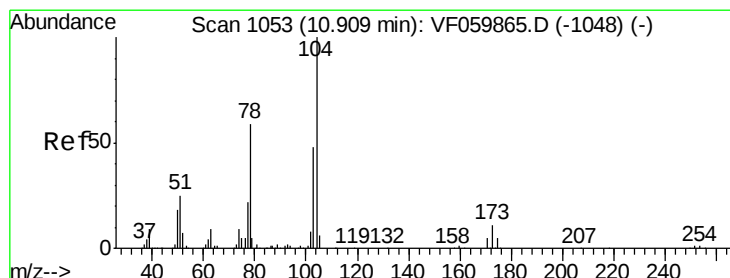
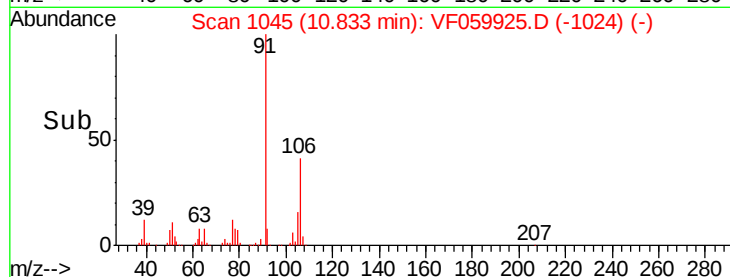
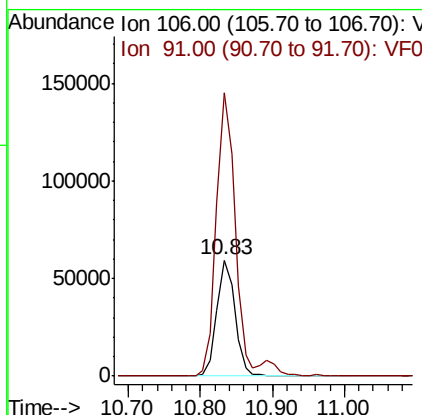
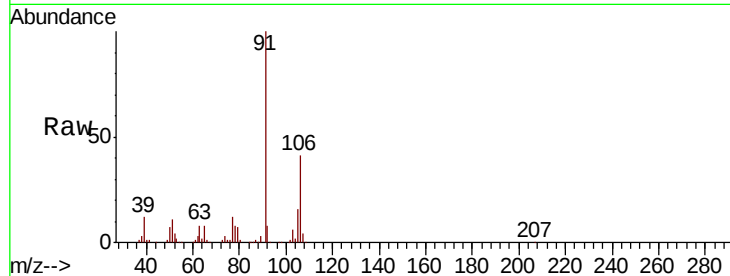
#69
o-Xylene
Concen: 54.25 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	243.9	125.4	376.2

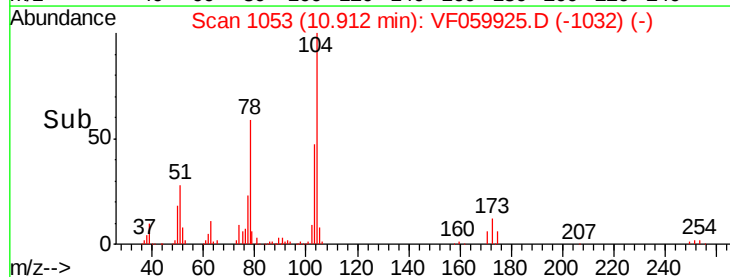
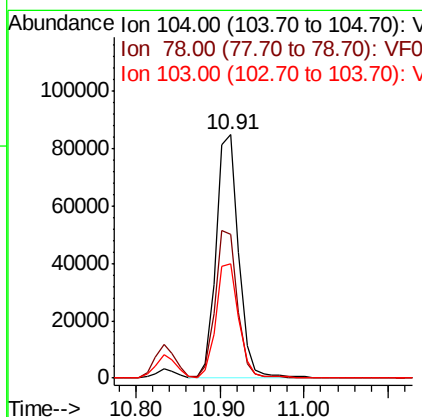
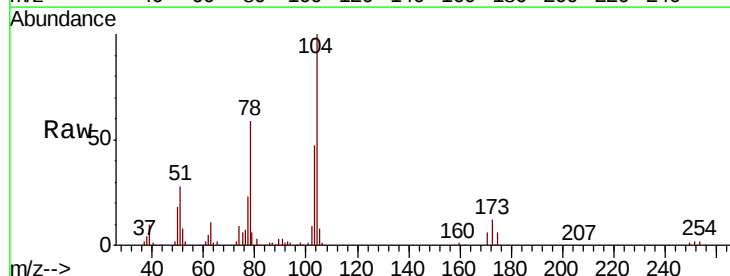
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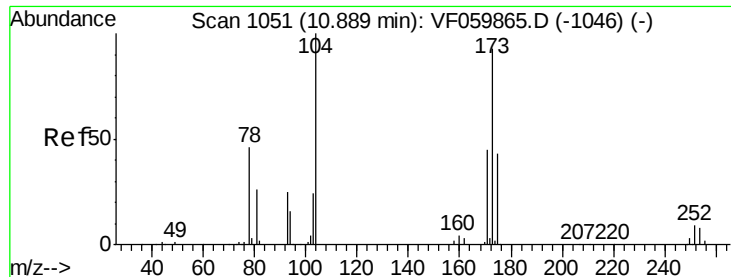
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#70
Styrene
Concen: 54.74 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	59.0	47.3	70.9
103	46.8	39.0	58.4





#71

Bromoform

Concen: 53.91 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 49683

Ion Ratio Lower Upper

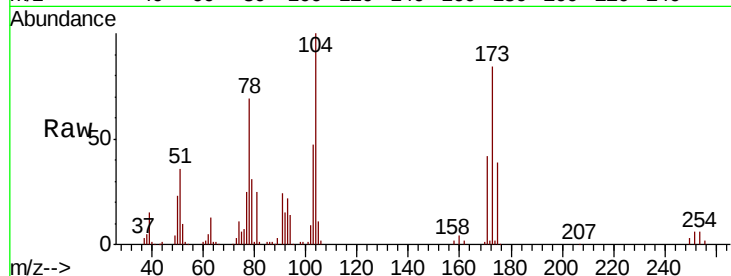
173 100

175 46.0 23.4 70.2

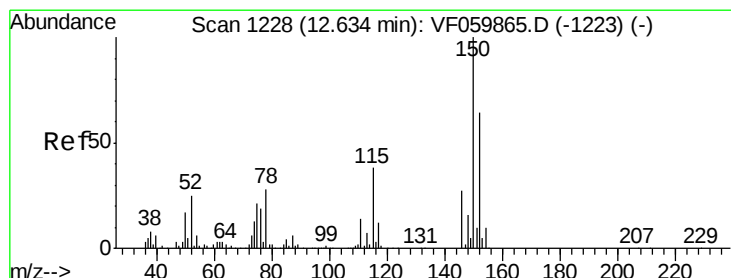
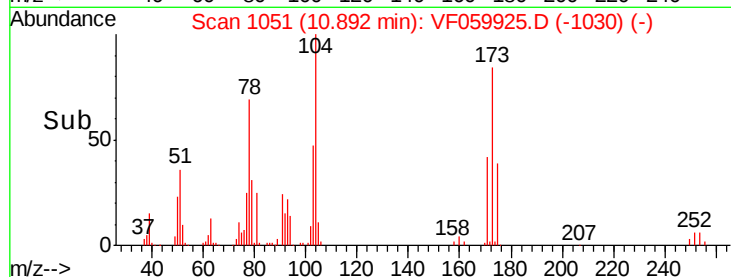
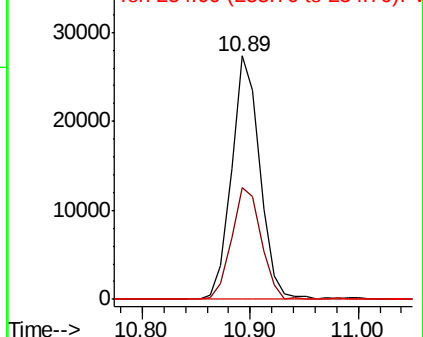
254 0.0 0.0 0.0

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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: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

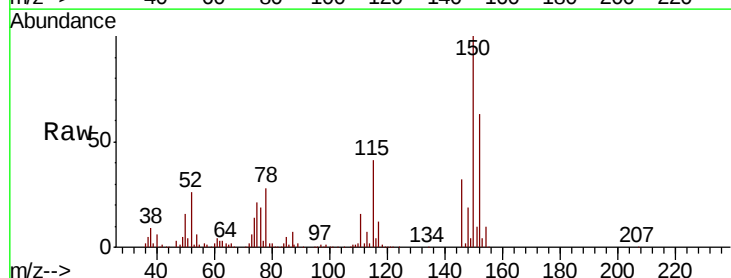
Tgt Ion:152 Resp: 97789

Ion Ratio Lower Upper

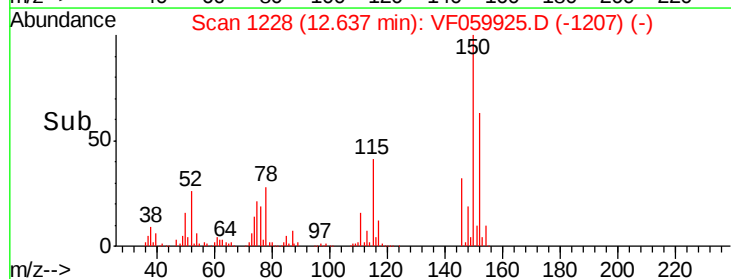
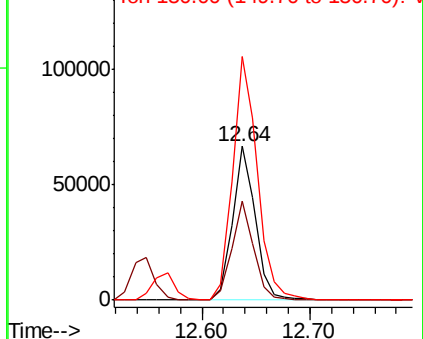
152 100

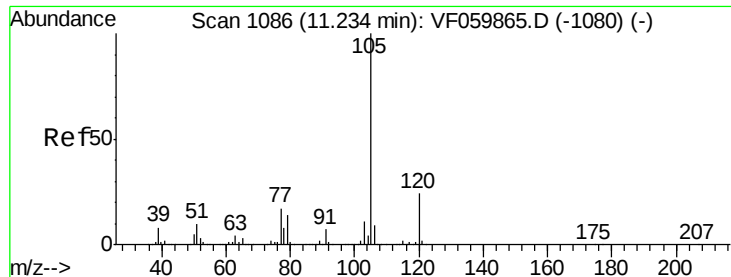
115 64.4 29.8 89.4

150 158.4 0.0 315.6



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: 56.89 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 346516

Ion Ratio Lower Upper

105 100

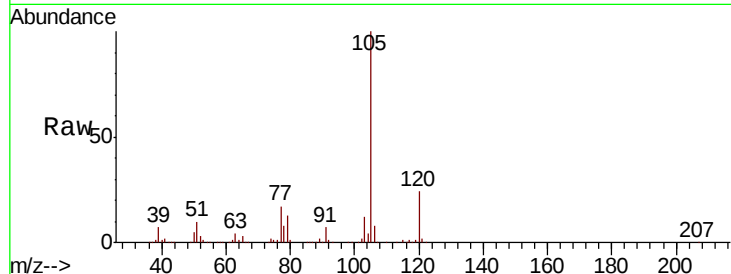
120 23.9 12.1 36.3

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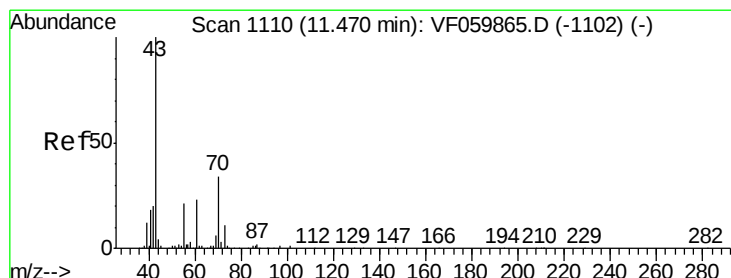
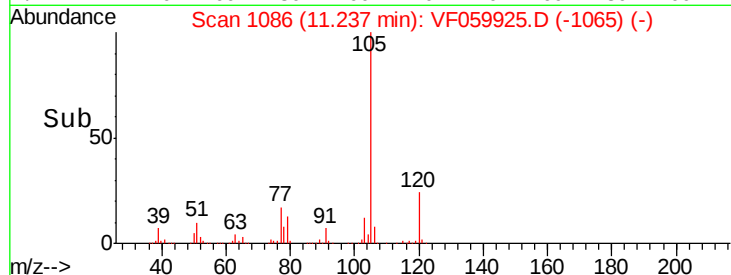
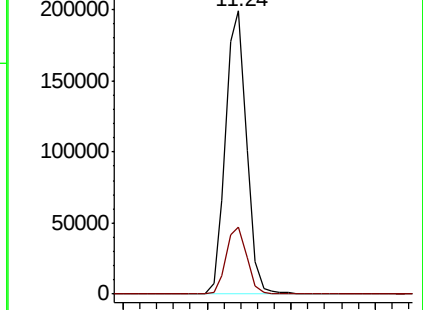
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.71 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion: 43 Resp: 81299

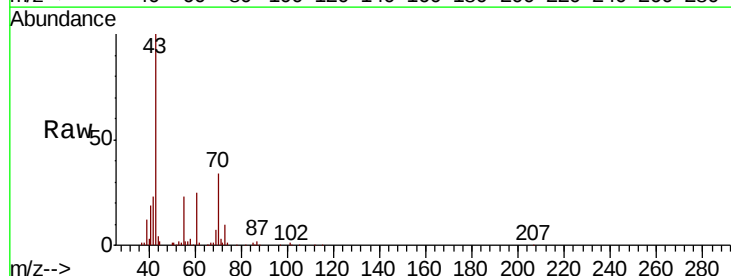
Ion Ratio Lower Upper

43 100

70 33.7 27.5 41.3

55 23.1 16.6 25.0

61 25.0 18.2 27.4

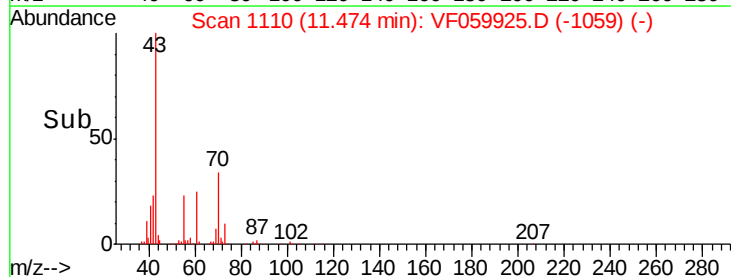
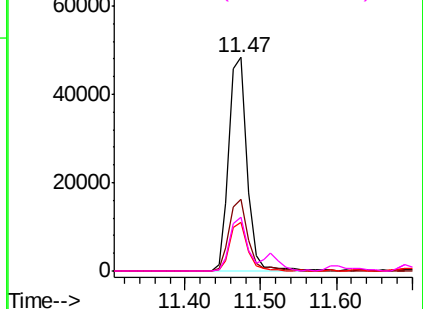


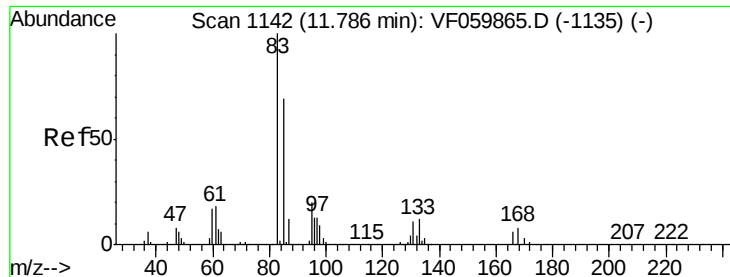
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.85 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

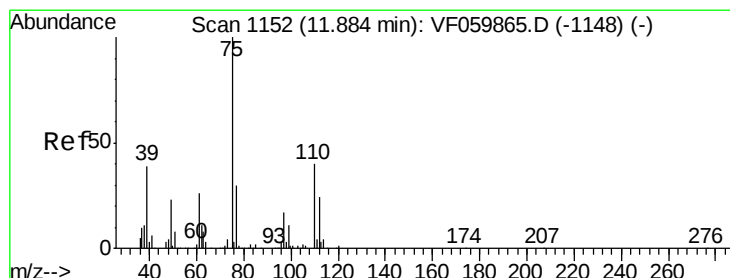
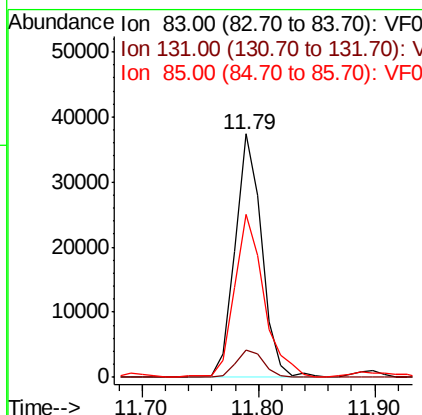
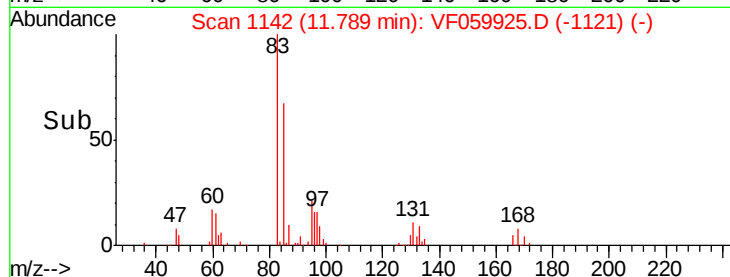
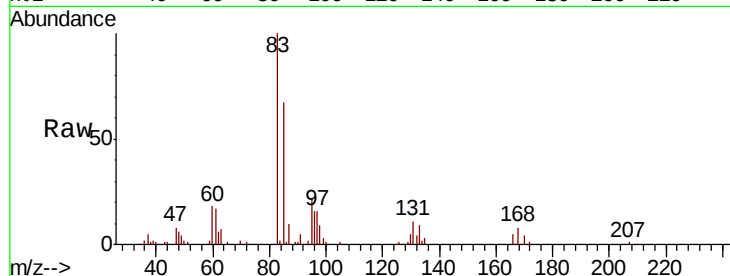
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	59296
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.3	15.9
85	66.9	34.5	103.5

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#76

1,2,3-Trichloropropane

Concen: 51.93 ug/l

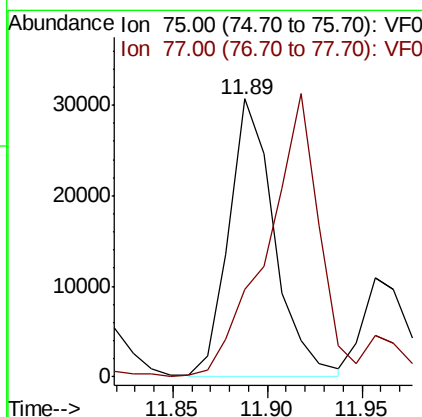
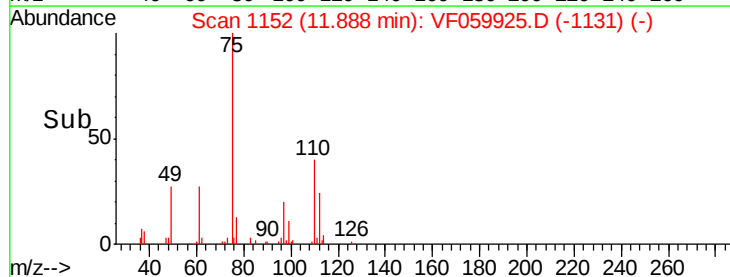
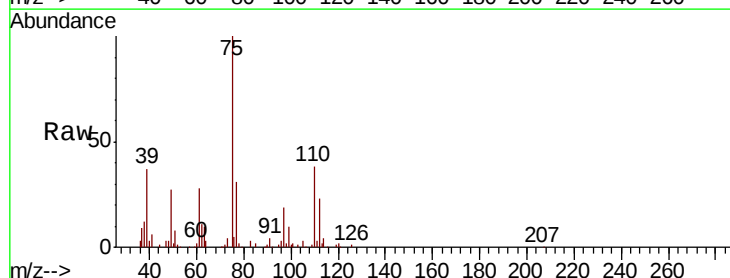
RT: 11.89 min Scan# 1152

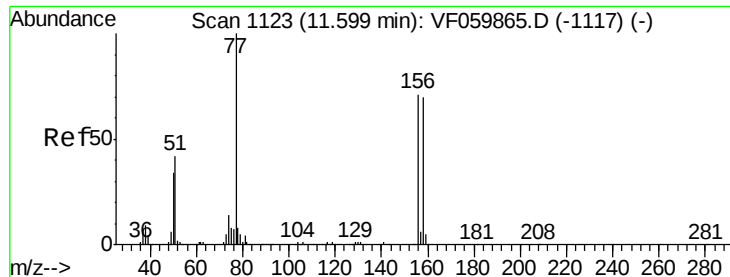
Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion:	75	Resp:	51009
Ion Ratio	Lower	Upper	
75	100		
77	31.5	15.4	46.2





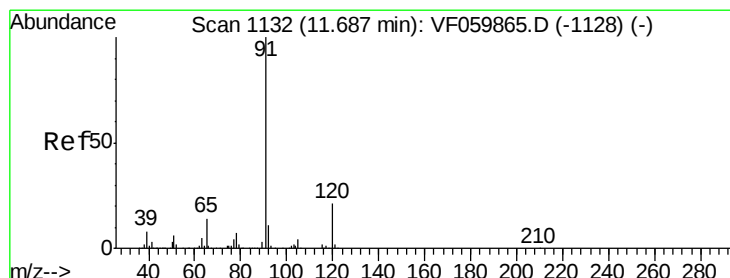
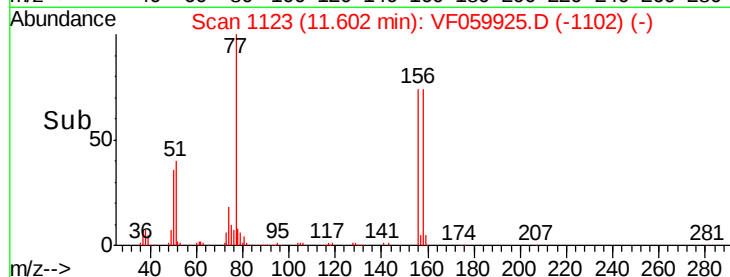
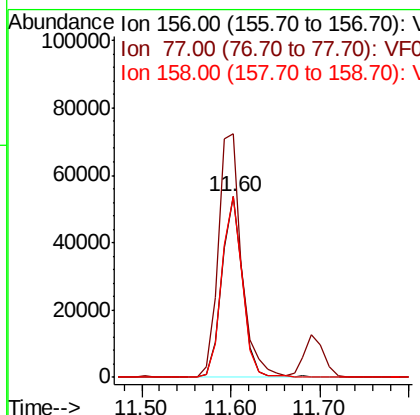
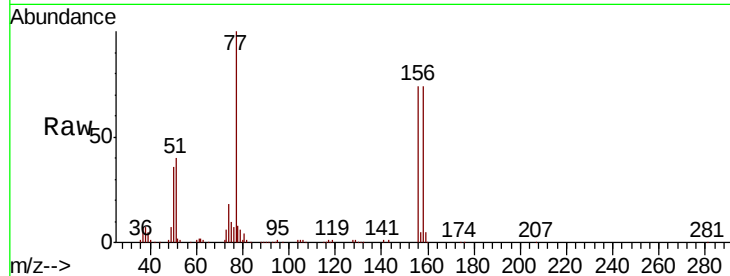
#77
Bromobenzene
Concen: 53.82 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.0	70.2	210.6
158	100.2	49.2	147.6

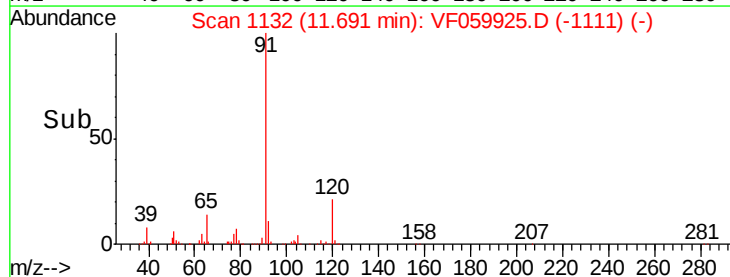
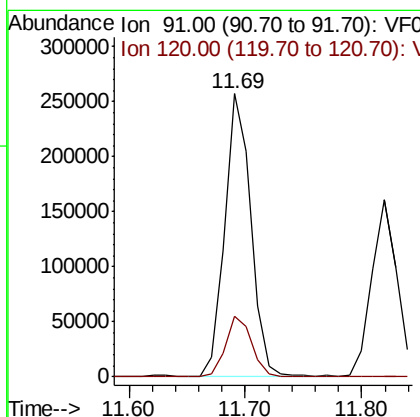
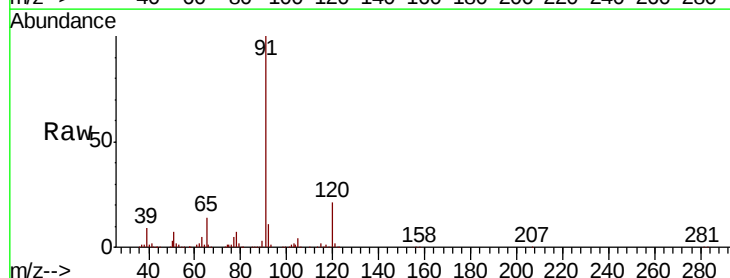
Manual Integrations
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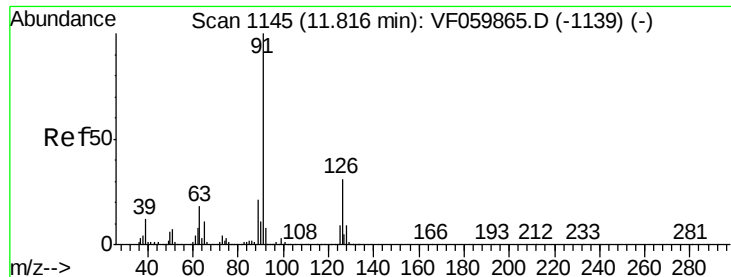
apatel
8/9/2018 10:41:52 AM



#78
n-propylbenzene
Concen: 55.56 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.4	31.2





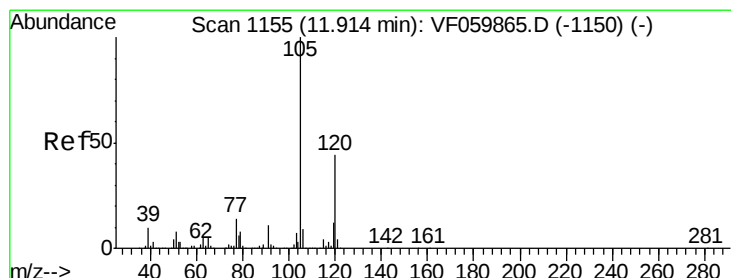
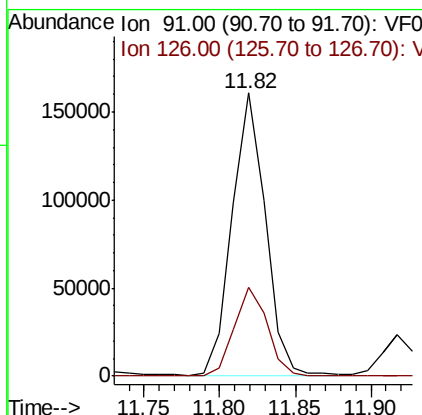
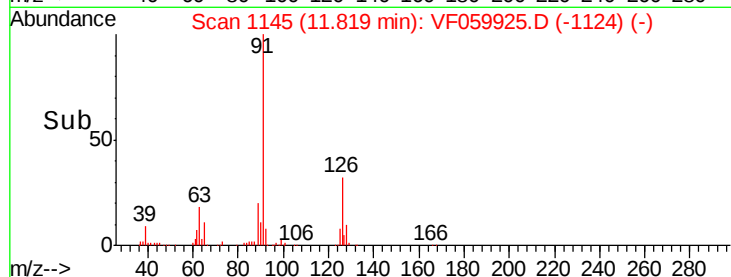
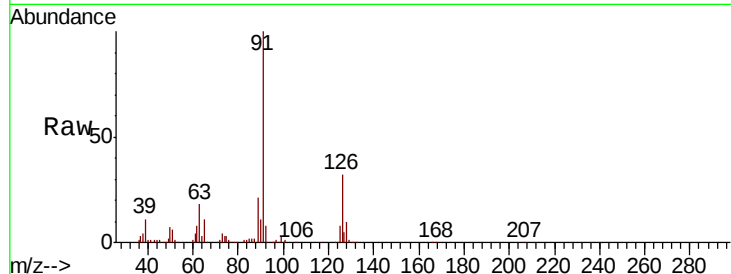
#79
 2-Chlorotoluene
 Concen: 53.74 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.6	46.7

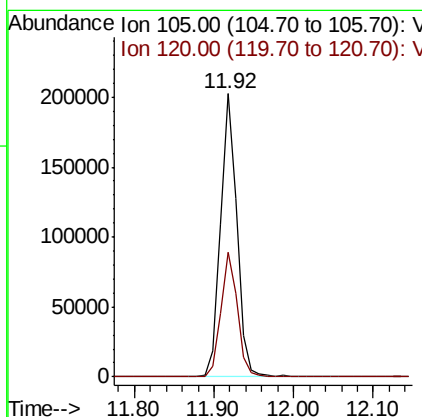
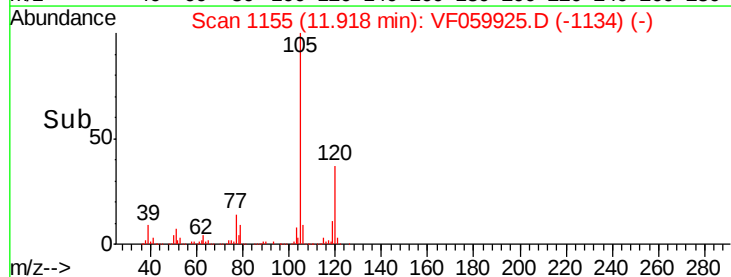
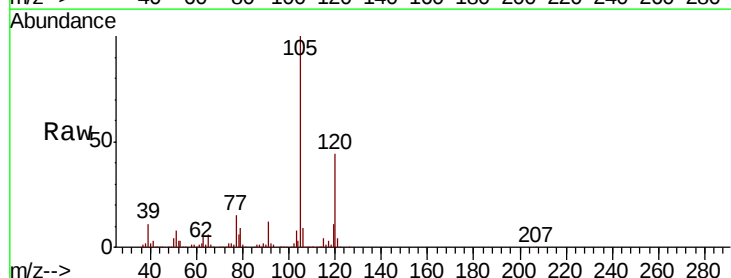
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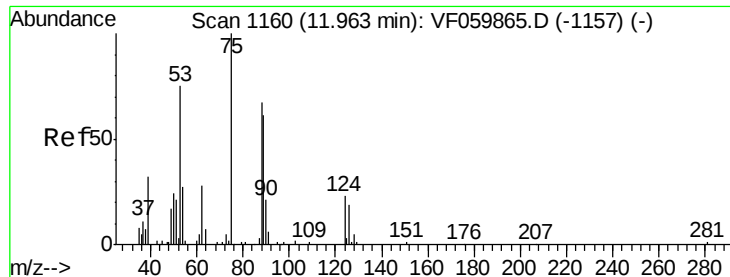
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.37 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 48.09 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Instrument :

MSVOA_F

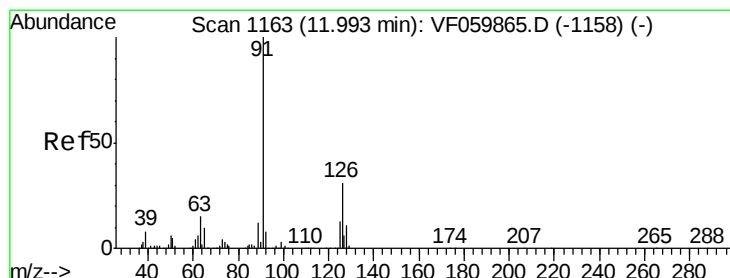
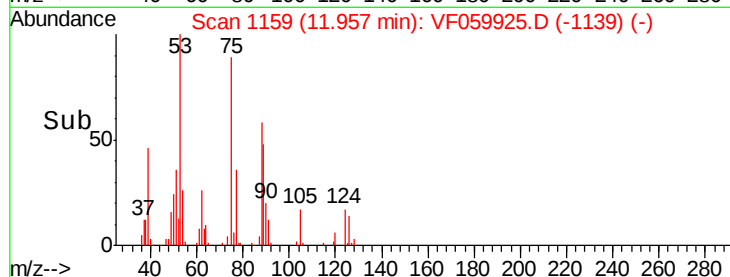
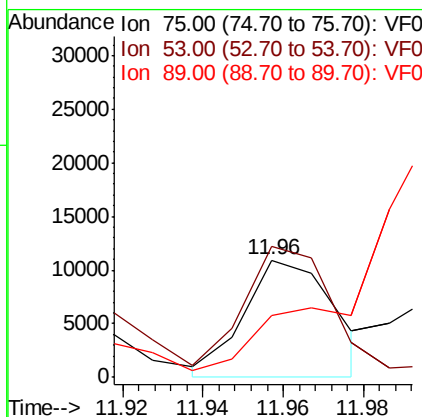
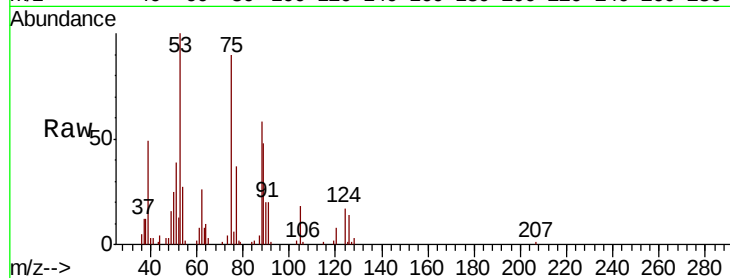
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	16967
Ion Ratio	Lower	Upper	
75	100		
53	111.7	65.9	98.9#
89	53.3	50.6	76.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.56 ug/l

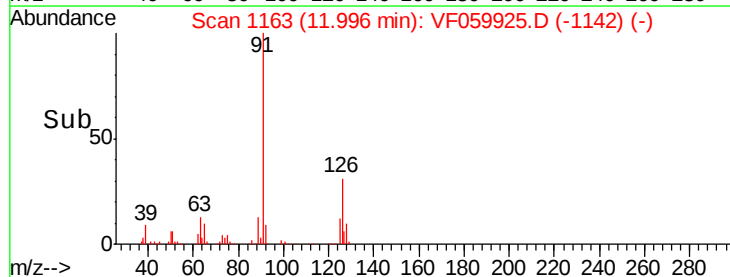
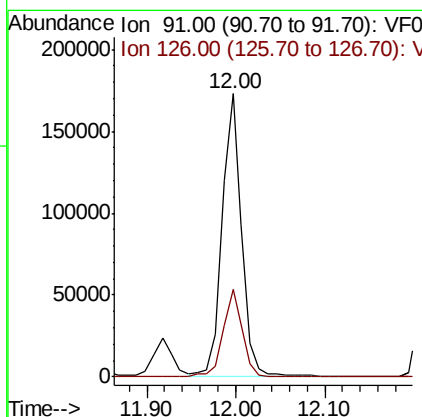
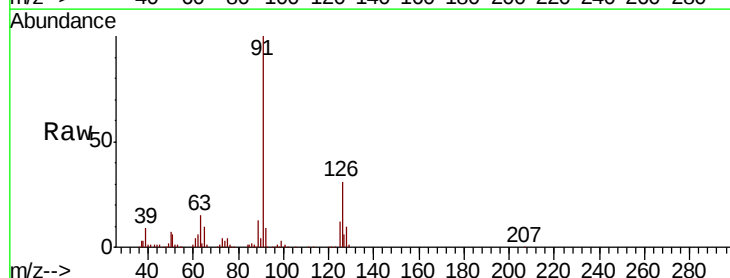
RT: 12.00 min Scan# 1163

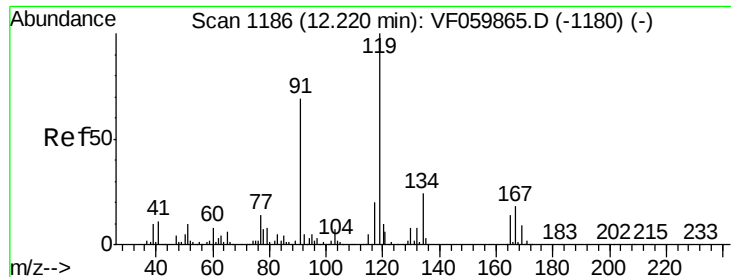
Delta R.T. 0.00 min

Lab File: VF059925.D

Acq: 8 Aug 2018 11:55

Tgt Ion:	91	Resp:	264613
Ion Ratio	Lower	Upper	
91	100		
126	31.0	15.7	47.0





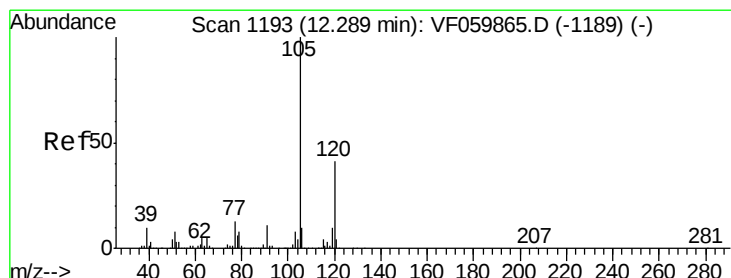
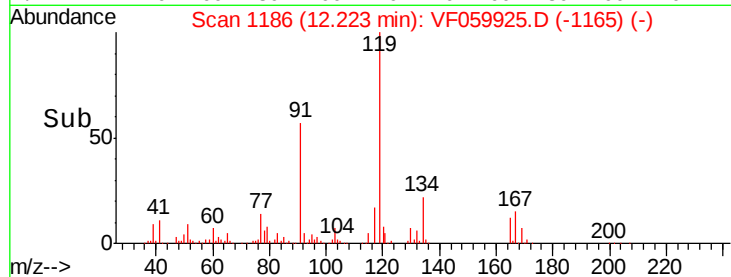
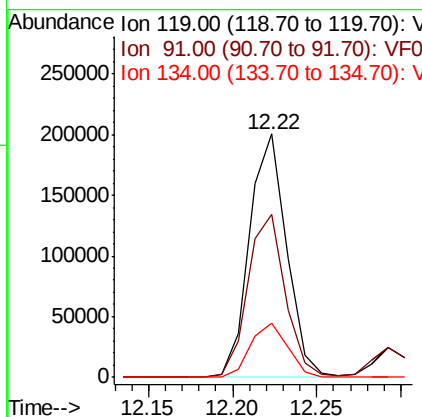
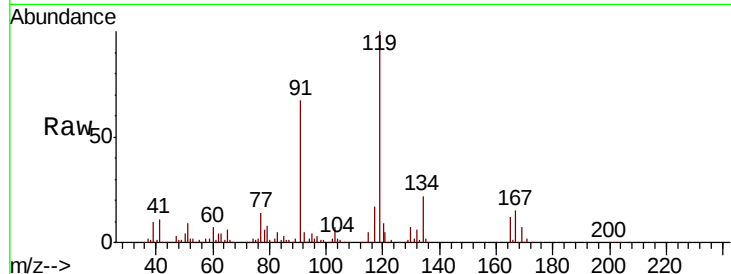
#83
 tert-Butylbenzene
 Concen: 55.84 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	34.4	103.2
134	22.2	12.1	36.3

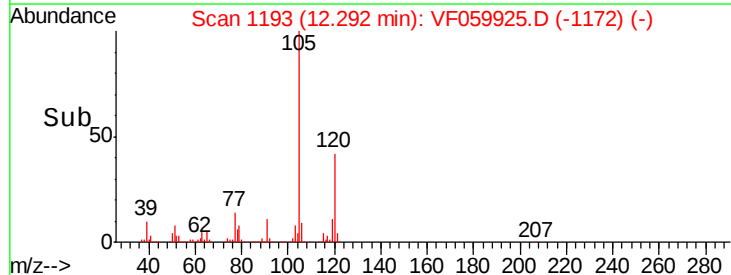
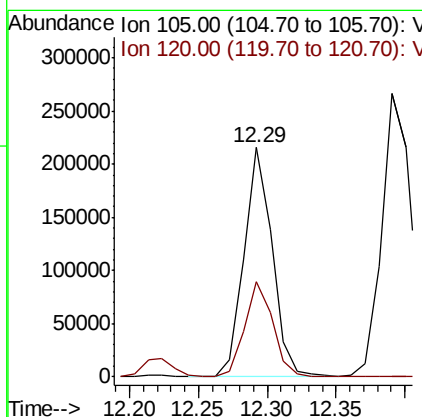
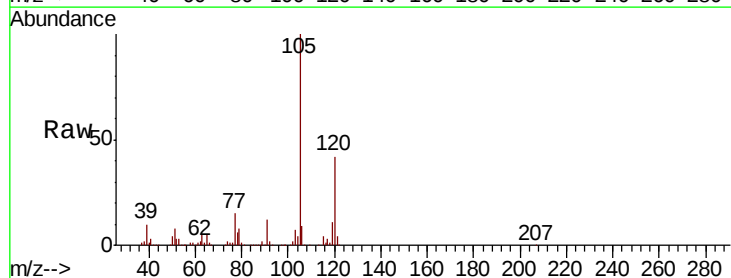
Manual Integrations
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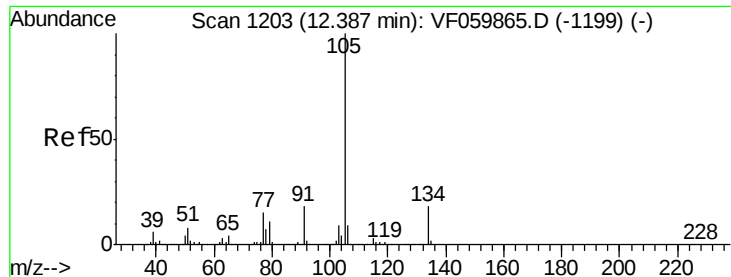
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.19 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.7	20.8	62.5





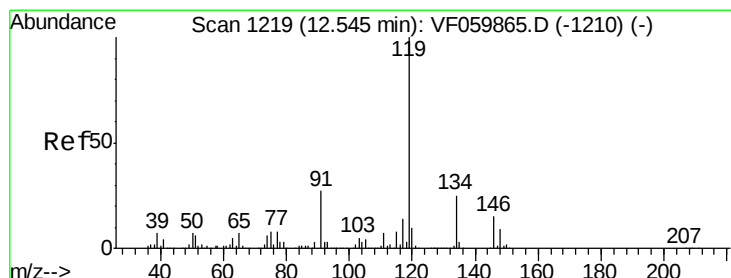
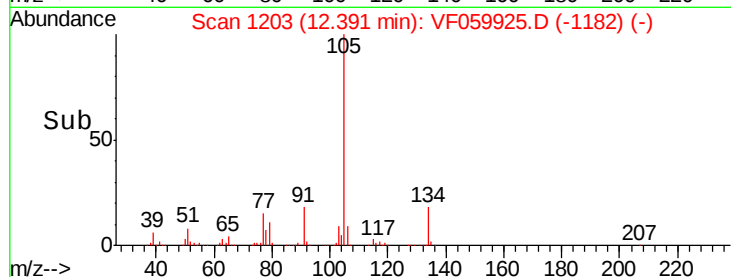
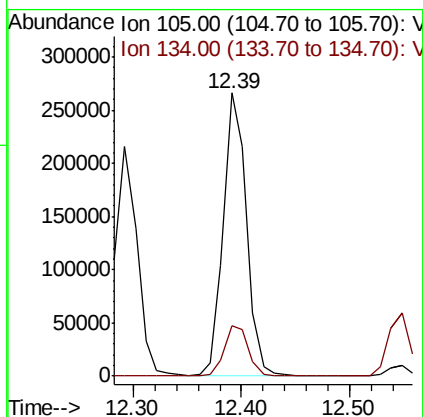
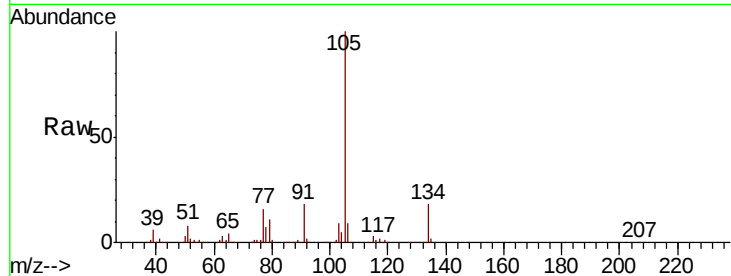
#85
 sec-Butylbenzene
 Concen: 54.44 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.8	9.1	27.3

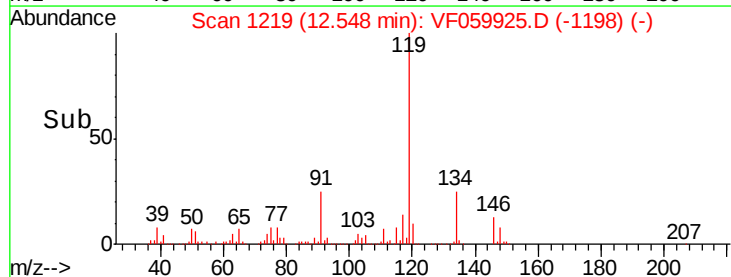
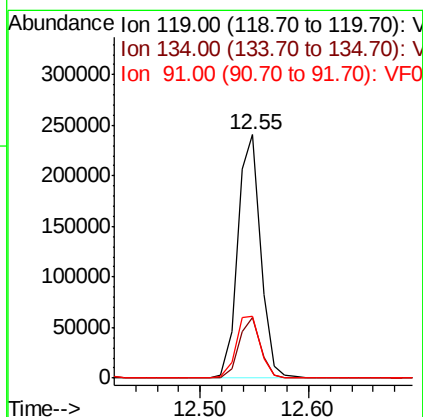
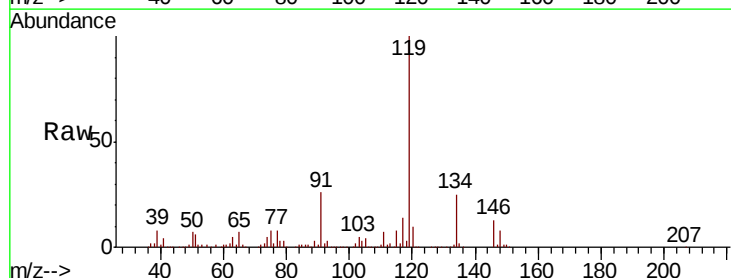
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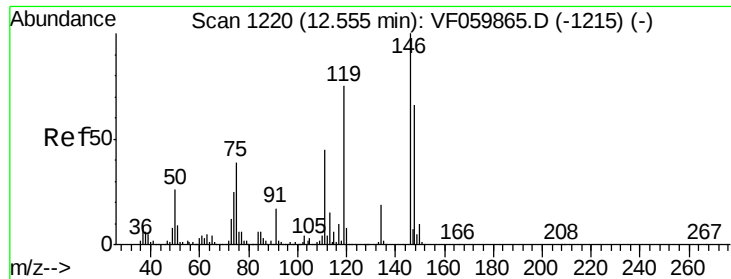
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#86
 p-Isopropyltoluene
 Concen: 57.59 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.4	37.0
91	25.7	13.6	40.7





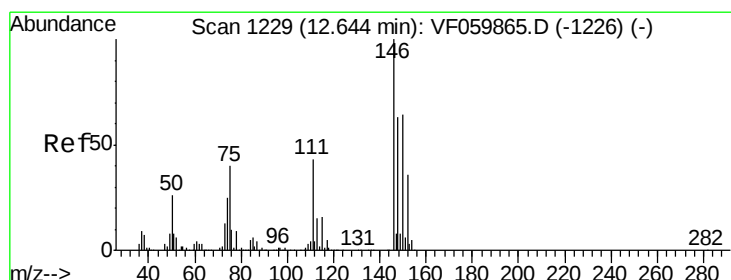
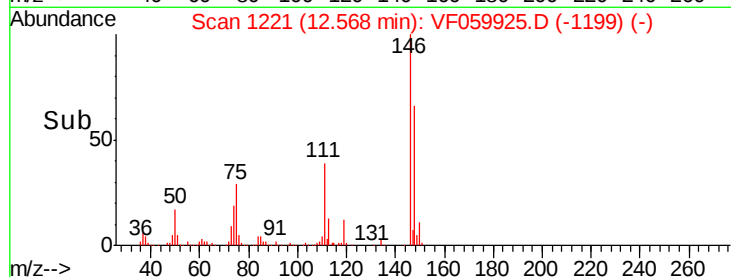
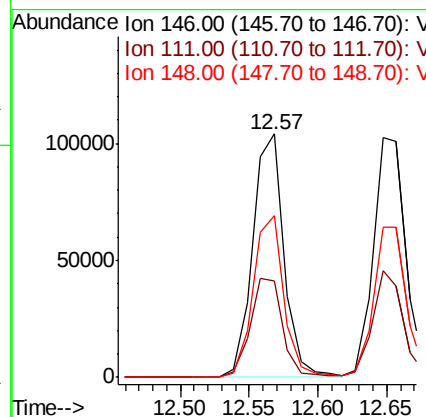
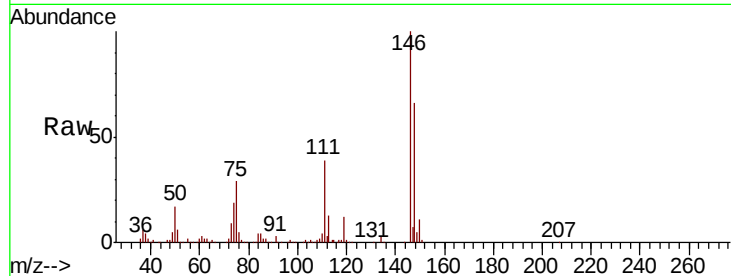
#87
 1,3-Dichlorobenzene
 Concen: 52.75 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	22.4	67.0
148	66.5	33.1	99.3

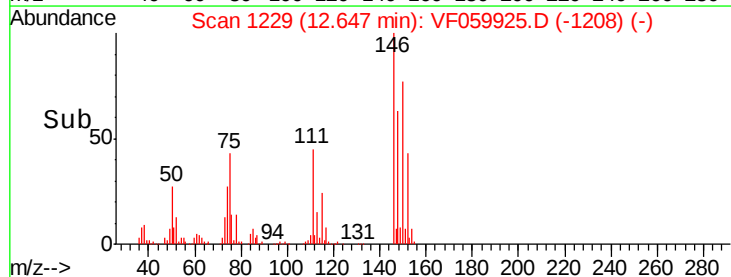
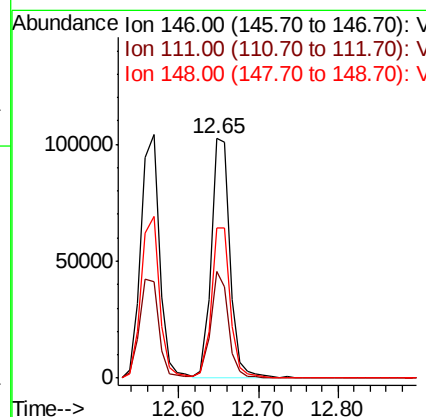
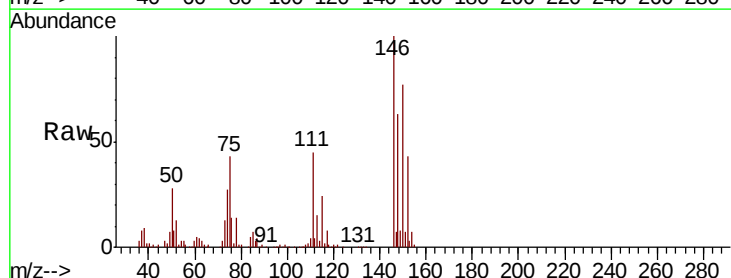
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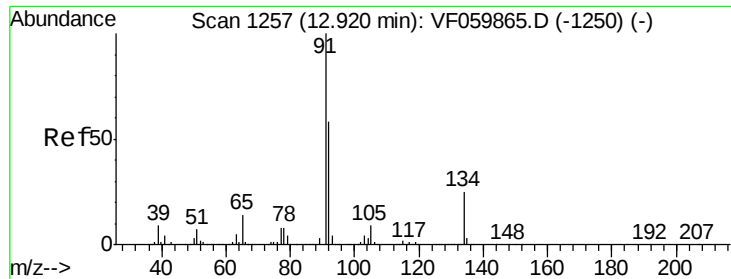
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#88
 1,4-Dichlorobenzene
 Concen: 55.27 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.4	64.2
148	62.7	31.6	94.7





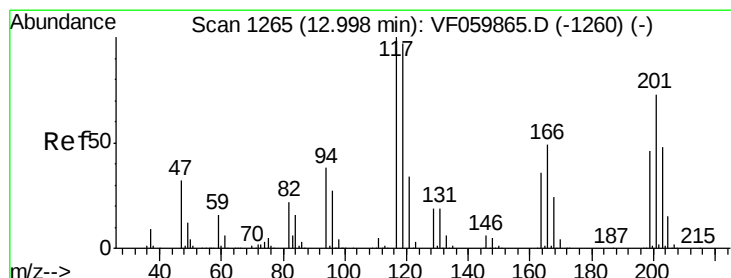
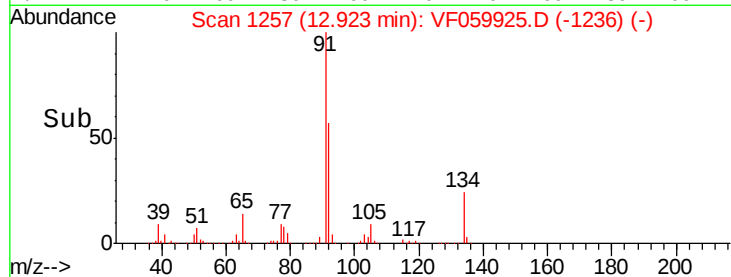
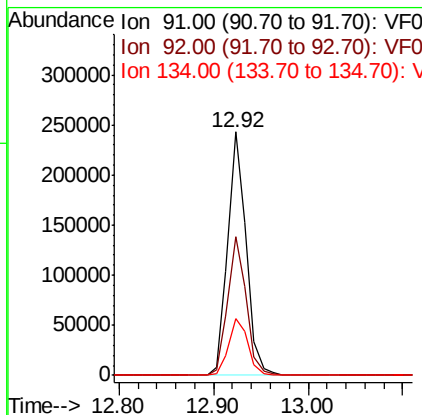
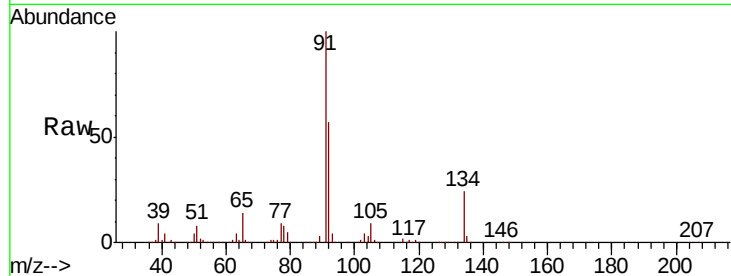
#89
n-Butylbenzene
Concen: 55.96 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.1	28.8	86.5
134	23.6	12.6	37.6

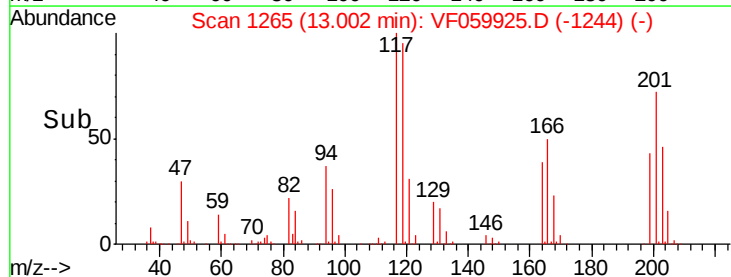
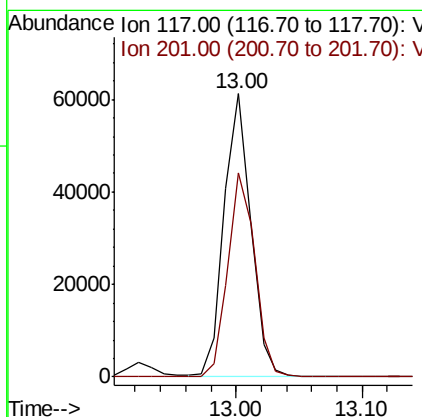
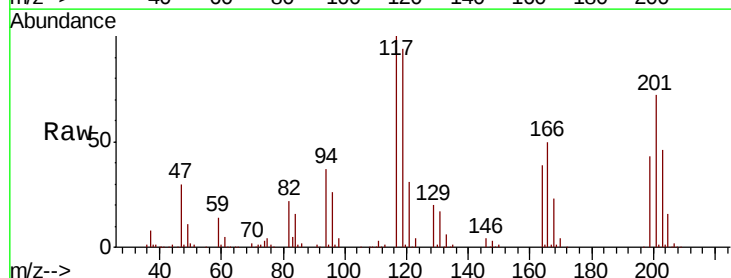
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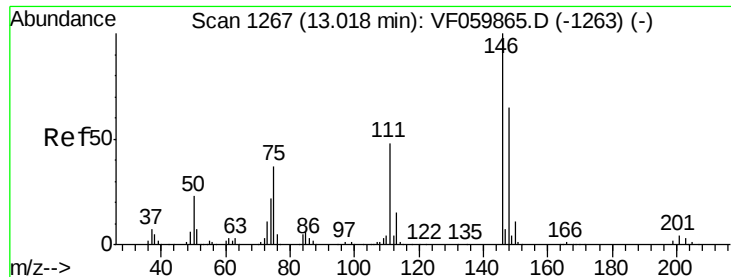
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#90
Hexachloroethane
Concen: 53.25 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.6	36.6	109.8





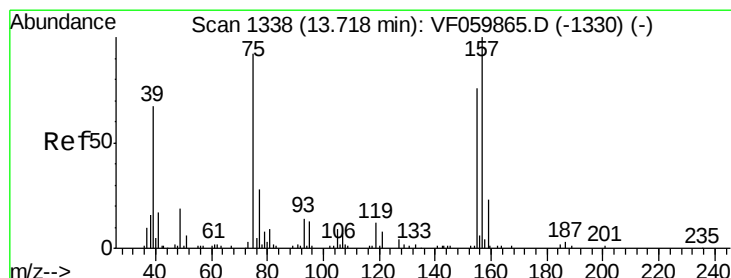
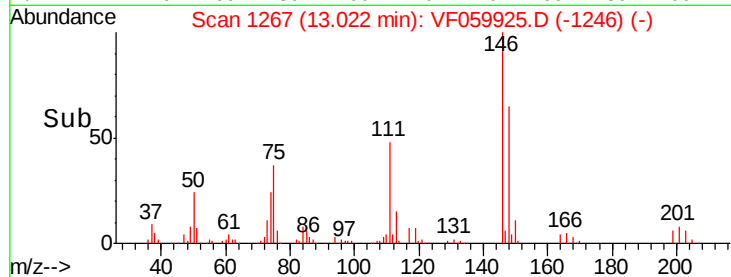
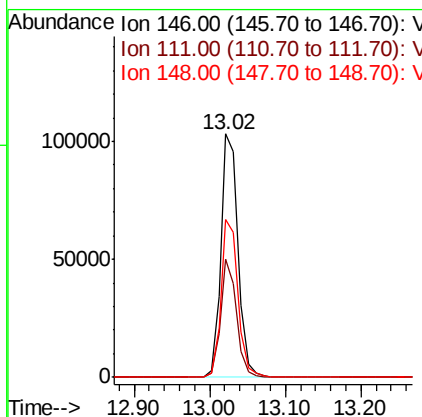
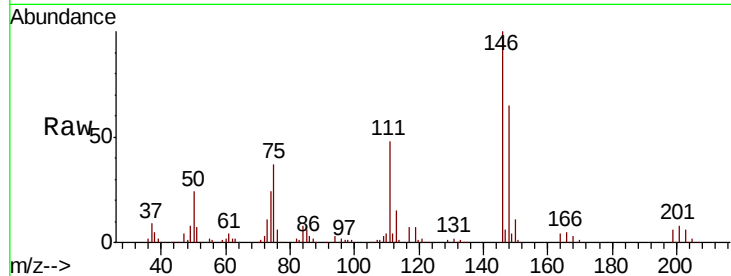
#91
 1,2-Dichlorobenzene
 Concen: 54.54 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.1	72.2
148	65.0	32.8	98.3

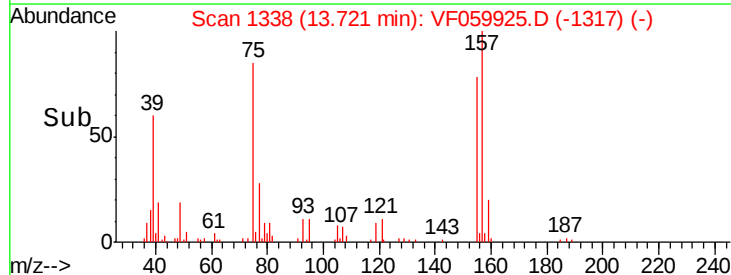
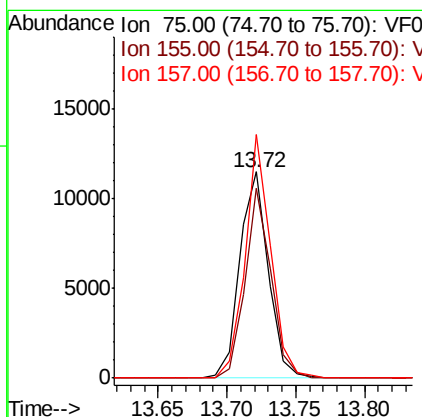
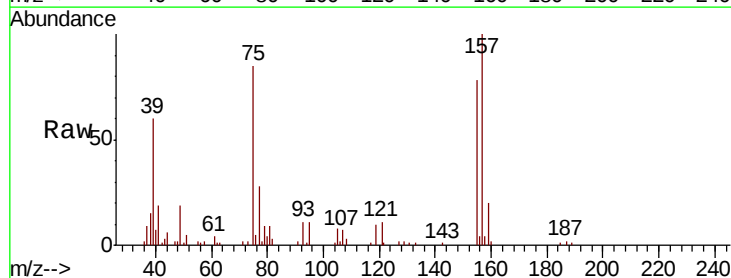
Manual Integrations
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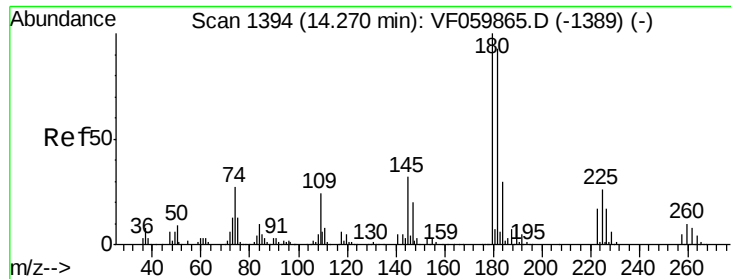
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.77 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	41.2	123.6
157	118.2	54.5	163.6





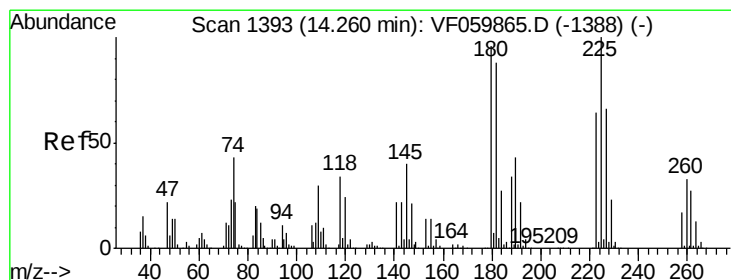
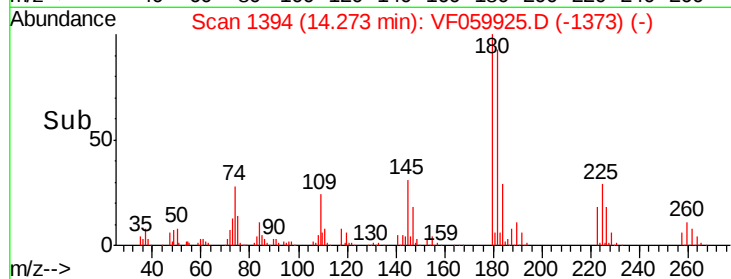
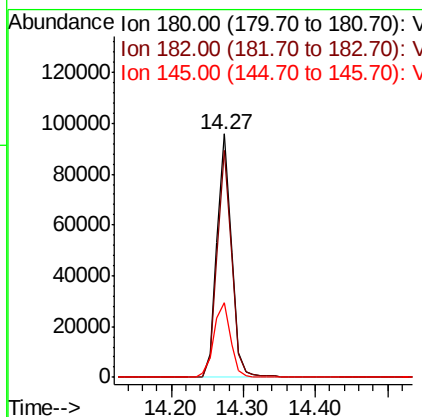
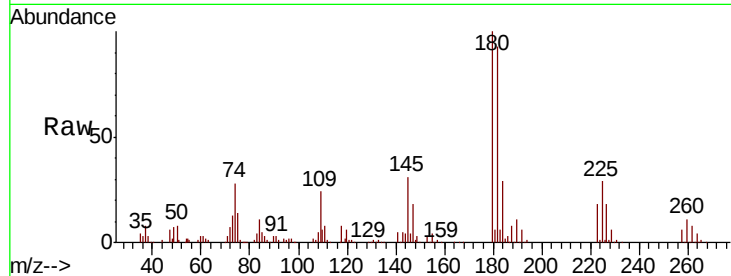
#93
 1,2,4-Trichlorobenzene
 Concen: 57.72 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132354		
182	93.4	46.4	139.2	
145	30.8	15.9	47.7	

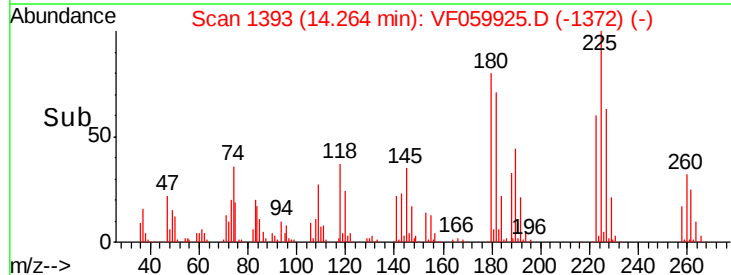
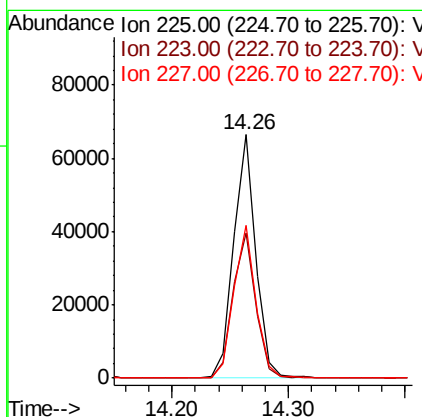
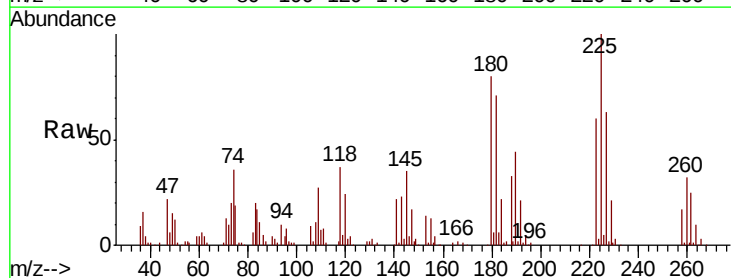
Manual Integrations
 APPROVED

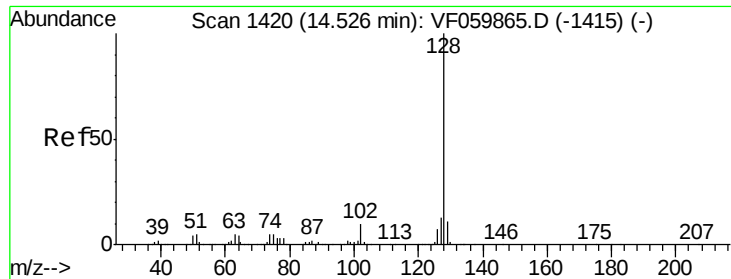
apatel
 8/9/2018 10:41:52 AM



#94
 Hexachlorobutadiene
 Concen: 53.89 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059925.D
 Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87291		
223	59.7	31.9	95.9	
227	62.9	32.8	98.4	





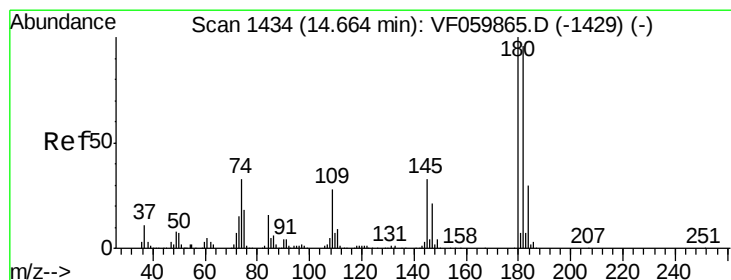
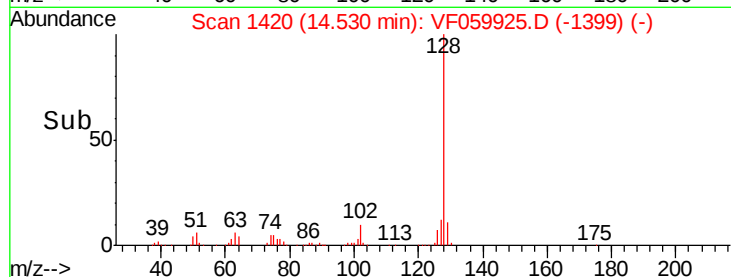
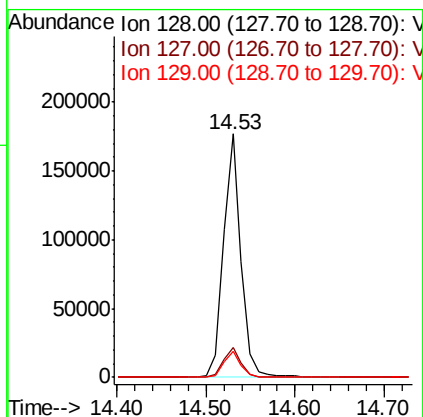
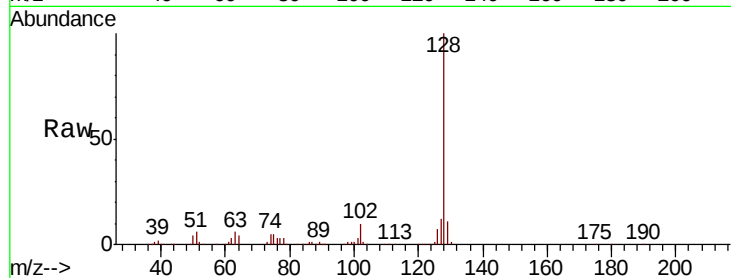
#95
Naphthalene
Concen: 61.50 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.4	15.6
129	10.7	9.0	13.6

Manual Integrations
APPROVED

apatel
8/9/2018 10:41:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.10 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059925.D
Acq: 8 Aug 2018 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.1	144.3
145	32.2	16.6	49.8

