

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060084.D
 Acq On : 24 Aug 2018 7:21
 Operator : VA/AP
 Sample : J4581-11MS
 Misc : 5.98g/5mL/MSVOA F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MS

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 4:13:23 PM

Quant Time: Aug 24 09:03:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	146090	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	238672	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	259358	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	155321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	123276	61.66	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	123.32%	
35) Dibromofluoromethane	4.28	113	107214	57.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	114.42%	
50) Toluene-d8	7.71	98	280307	52.66	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	11.51	95	158376	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	104570	54.37	ug/l	96
3) Chloromethane	1.07	50	66445	53.48	ug/l	96
4) Vinyl Chloride	1.12	62	52972	44.36	ug/l	92
5) Bromomethane	1.32	94	36535	40.26	ug/l	98
6) Chloroethane	1.39	64	27616	58.67	ug/l	90
7) Trichlorofluoromethane	1.49	101	171128	71.26	ug/l	99
8) Diethyl Ether	1.70	74	21964	51.16	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.86	101	70219	55.71	ug/l	97
10) Methyl Iodide	1.93	142	79201	47.52	ug/l	91
11) Tert butyl alcohol	2.67	59	26812	252.07	ug/l #	76
12) 1,1-Dichloroethene	1.82	96	46461	50.03	ug/l	83
13) Acrolein	2.08	56	1285	44.02	ug/l	93
14) Allyl chloride	2.19	41	79500	48.20	ug/l	84
15) Acrylonitrile	3.06	53	48408	230.62	ug/l	94
16) Acetone	2.33	43	123174	234.40	ug/l	100
17) Carbon Disulfide	1.84	76	123241	42.39	ug/l	96
18) Methyl Acetate	2.44	43	87429	101.64	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	157674	52.99	ug/l	99
20) Methylene Chloride	2.27	84	57831	56.55	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	45802	44.08	ug/l	98
22) Diisopropyl ether	2.91	45	168278	45.56	ug/l	97
23) Vinyl Acetate	3.33	43	153385	78.40	ug/l	97
24) 1,1-Dichloroethane	2.99	63	122511	53.70	ug/l	100
25) 2-Butanone	4.50	43	172822	253.19	ug/l	96
26) 2,2-Dichloropropane	3.75	77	104657	44.34	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	83139	56.46	ug/l	97
28) Bromochloromethane	3.89	49	52058	54.04	ug/l	94
29) Tetrahydrofuran	4.25	42	66333	257.40	ug/l	95
30) Chloroform	4.03	83	193024	60.27	ug/l	96
31) Cyclohexane	3.85	56	83608	48.09	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	166971	60.88	ug/l	99
36) 1,1-Dichloropropene	4.45	75	105242	46.92	ug/l	98
37) Ethyl Acetate	4.28	43	49383	36.82	ug/l	83
38) Carbon Tetrachloride	4.17	117	143292	55.17	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	92837	44.14	ug/l	88
40) Benzene	4.81	78	243633	49.73	ug/l	99
41) Methacrylonitrile	4.92	41	31765	46.82	ug/l #	93
42) 1,2-Dichloroethane	5.11	62	143528	54.63	ug/l	100
43) Isopropyl Acetate	7.10	43	55350	32.78	ug/l #	97
44) Trichloroethene	5.67	130	84248	52.01	ug/l	90
45) 1,2-Dichloropropane	6.39	63	76321	55.07	ug/l	98
46) Dibromomethane	6.25	93	64116	59.12	ug/l	96
47) Bromodichloromethane	6.54	83	146830	56.06	ug/l	96
48) Methyl methacrylate	6.87	41	69513	62.22	ug/l	97
49) 1,4-Dioxane	6.86	88	9667	901.39	ug/l	88
51) 4-Methyl-2-Pentanone	8.40	43	403894	277.03	ug/l	99
52) Toluene	7.77	92	183883	59.25	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	122522	51.58	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	134608	50.78	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	78496	59.37	ug/l	94
56) Ethyl methacrylate	8.76	69	61919	38.69	ug/l	96
57) 1,3-Dichloropropane	9.00	76	129712	55.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	33858	266.56	ug/l	100
59) 2-Hexanone	9.63	43	321536	272.49	ug/l	94
60) Dibromochloromethane	8.86	129	111772	57.27	ug/l	96
61) 1,2-Dibromoethane	9.13	107	86048	55.42	ug/l	96
64) Tetrachloroethene	8.30	164	96441	55.20	ug/l	96
65) Chlorobenzene	9.93	112	247697	50.58	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	96761	52.09	ug/l	99
67) Ethyl Benzene	10.04	91	428144	50.67	ug/l	98
68) m/p-Xylenes	10.27	106	312168	114.62	ug/l	96
69) o-Xylene	10.83	106	168268	50.82	ug/l	99
70) Styrene	10.90	104	202926	39.95	ug/l	97
71) Bromoform	10.89	173	71665	55.30	ug/l #	98
73) Isopropylbenzene	11.22	105	503425	53.85	ug/l	99
74) N-amyl acetate	11.46	43	86834	29.88	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.79	83	123046	60.26	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	93379	58.97	ug/l	97
77) Bromobenzene	11.59	156	132082	51.95	ug/l	88
78) n-propylbenzene	11.69	91	612029	53.04	ug/l	100
79) 2-Chlorotoluene	11.81	91	343763	50.66	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	413573	50.77	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	37146m	51.27	ug/l	
82) 4-Chlorotoluene	11.98	91	378016	51.31	ug/l	93
83) tert-Butylbenzene	12.21	119	398447	50.15	ug/l	90
84) 1,2,4-Trimethylbenzene	12.29	105	439747	50.78	ug/l	99
85) sec-Butylbenzene	12.39	105	570396	51.57	ug/l	98
86) p-Isopropyltoluene	12.54	119	458425	49.96	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	232155	49.38	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	232132	49.68	ug/l	97
89) n-Butylbenzene	12.92	91	450150	50.50	ug/l	100
90) Hexachloroethane	12.99	117	111569	54.11	ug/l	77
91) 1,2-Dichlorobenzene	13.02	146	240979	53.30	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	25359	60.78	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	162322	48.75	ug/l	98
94) Hexachlorobutadiene	14.25	225	96223	46.43	ug/l	98
95) Naphthalene	14.53	128	264824	46.03	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	158475	49.89	ug/l	95

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

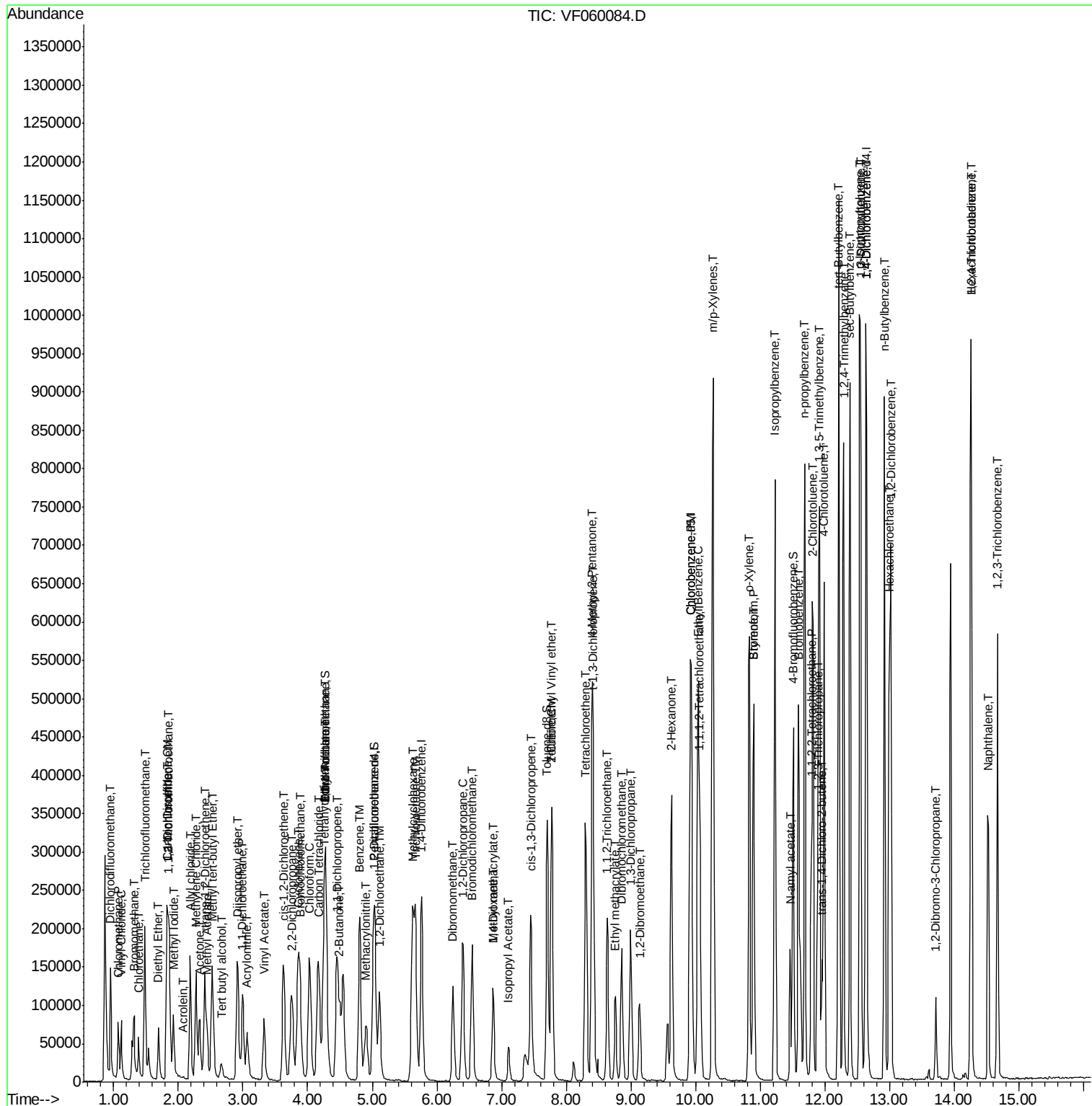
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082318\
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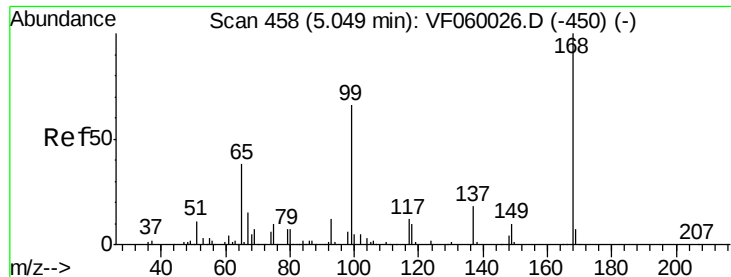
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion:168 Resp: 146090

Ion Ratio Lower Upper

168 100

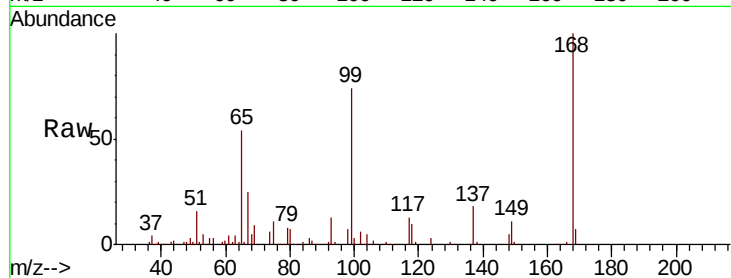
99 74.3 52.6 79.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

40000

30000

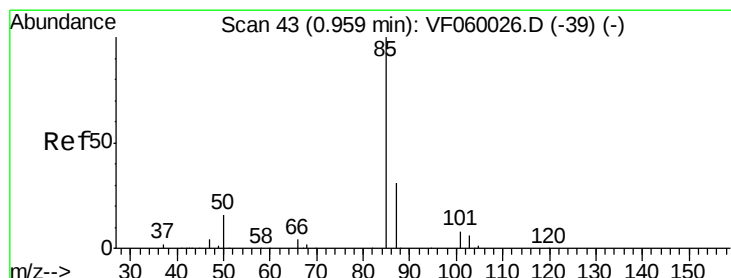
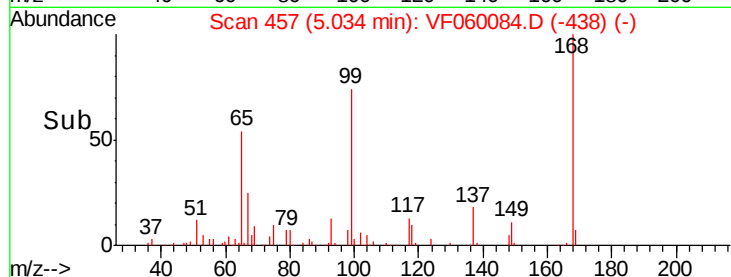
20000

10000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 54.37 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF060084.D

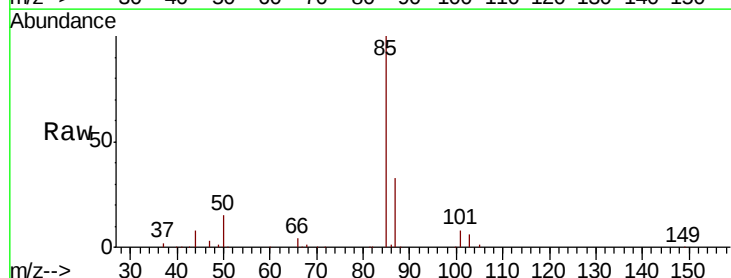
Acq: 24 Aug 2018 7:21

Tgt Ion: 85 Resp: 104570

Ion Ratio Lower Upper

85 100

87 32.5 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

80000

60000

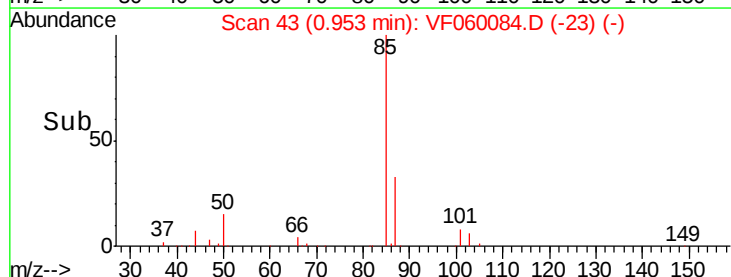
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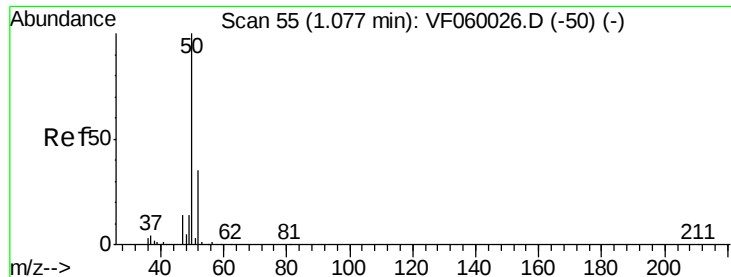
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0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 53.48 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion: 50 Resp: 66445

Ion Ratio Lower Upper

50 100

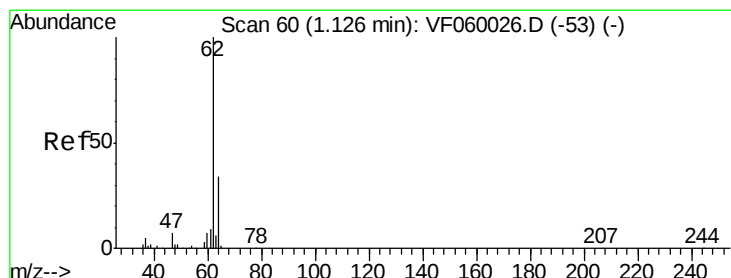
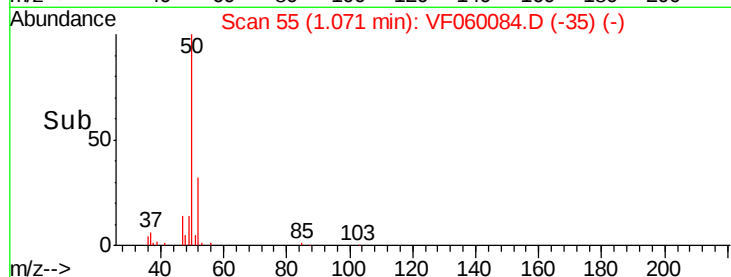
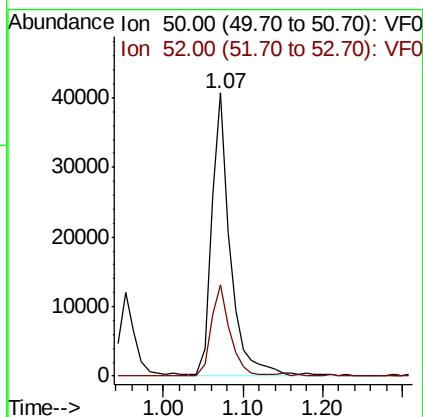
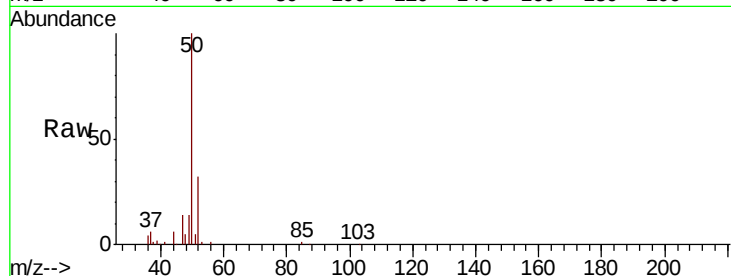
52 32.5 27.6 41.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.36 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VF060084.D

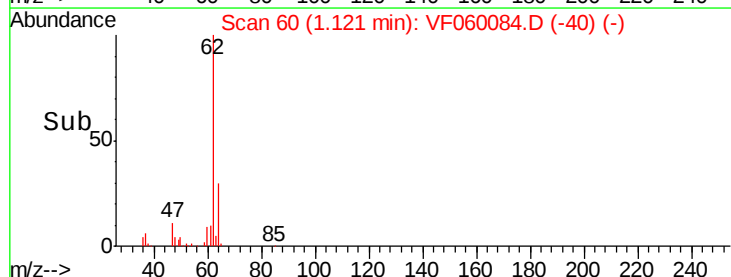
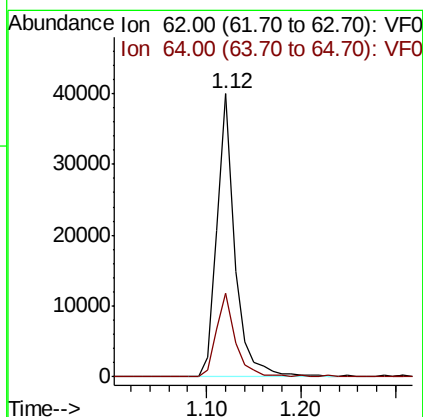
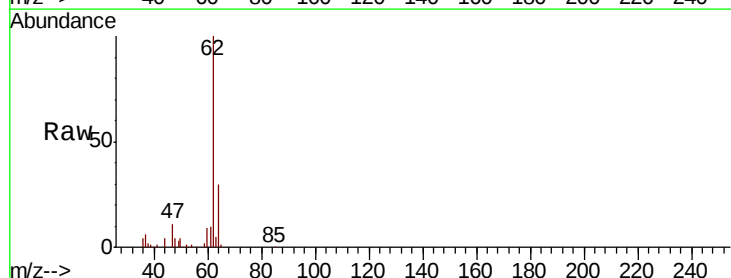
Acq: 24 Aug 2018 7:21

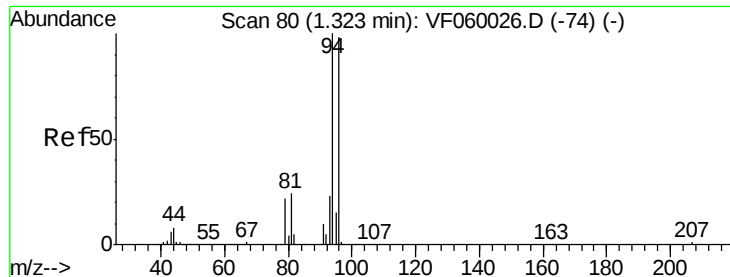
Tgt Ion: 62 Resp: 52972

Ion Ratio Lower Upper

62 100

64 29.5 27.4 41.2





#5

Bromomethane

Concen: 40.26 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

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ClientSampleId :

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Tot Ion: 94 Resp: 36535

Ion Ratio Lower Upper

94 100

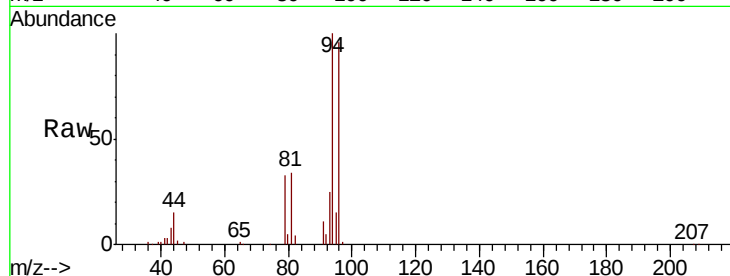
96 96.2 78.6 118.0

Manual Integrations

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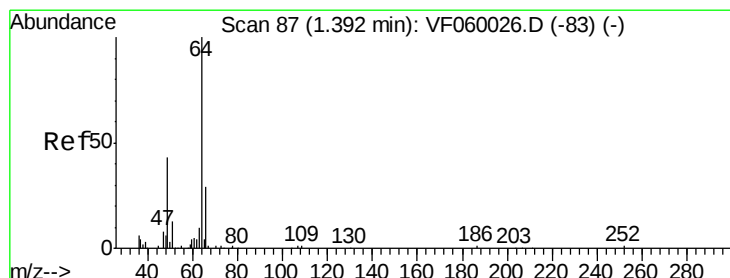
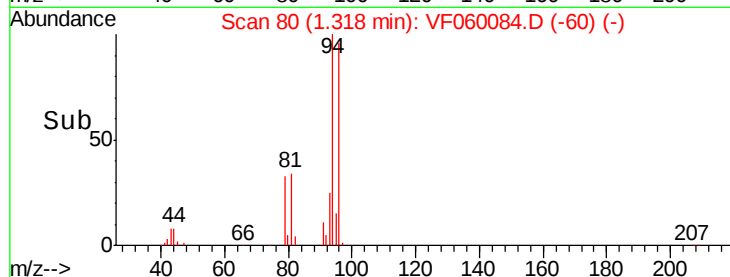
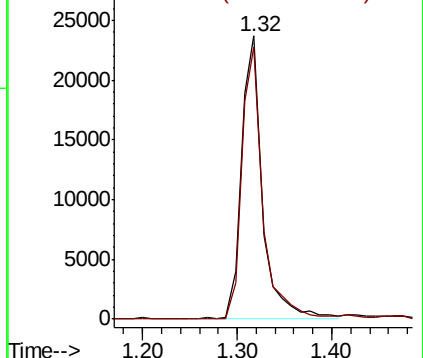
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 58.67 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060084.D

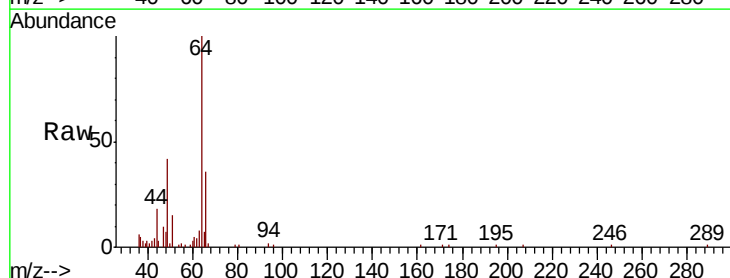
Acq: 24 Aug 2018 7:21

Tgt Ion: 64 Resp: 27616

Ion Ratio Lower Upper

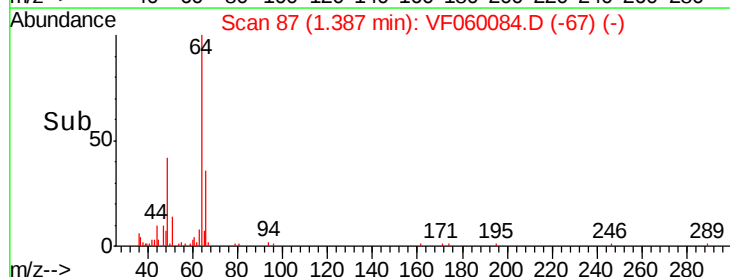
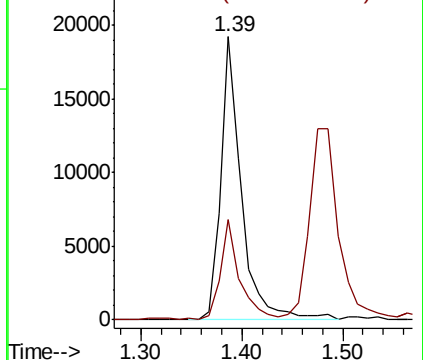
64 100

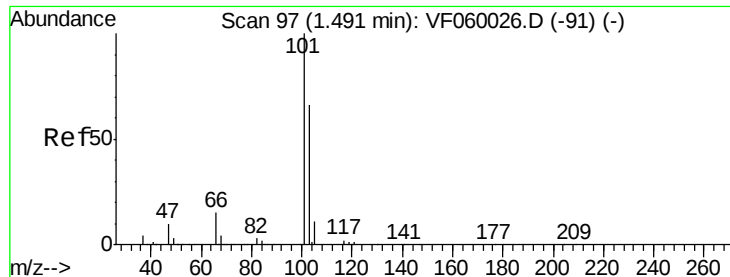
66 35.6 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

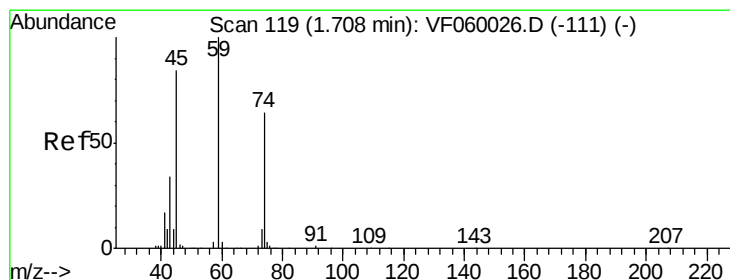
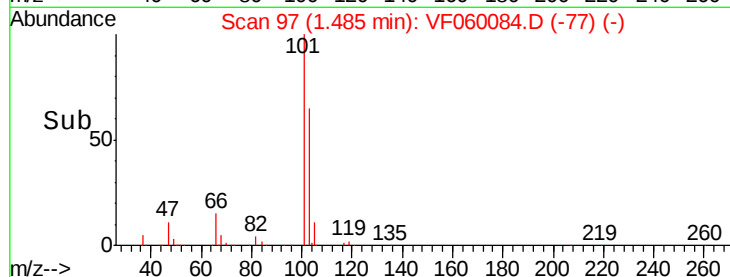
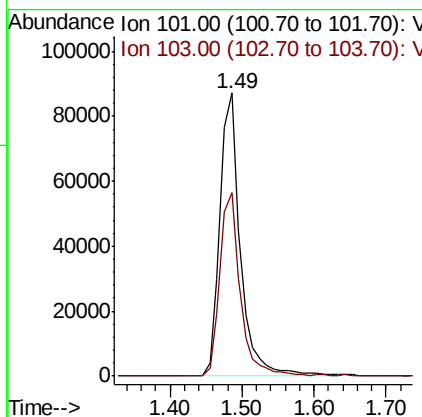
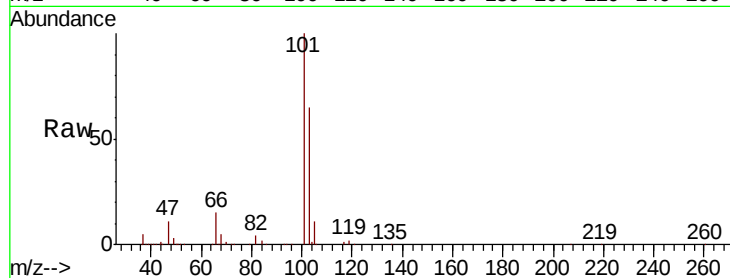
Trichlorofluoromethane
 Concen: 71.26 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	171128		
103	65.0	52.5	78.7	

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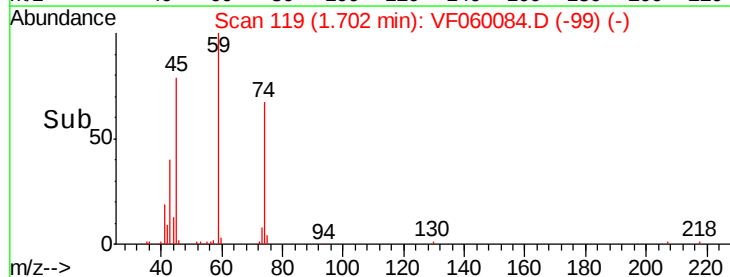
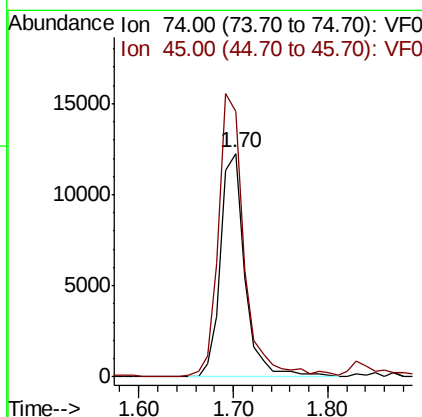
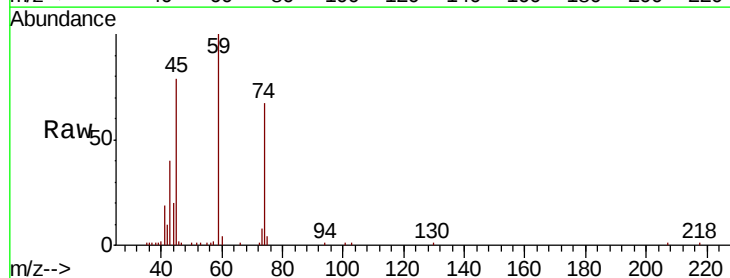
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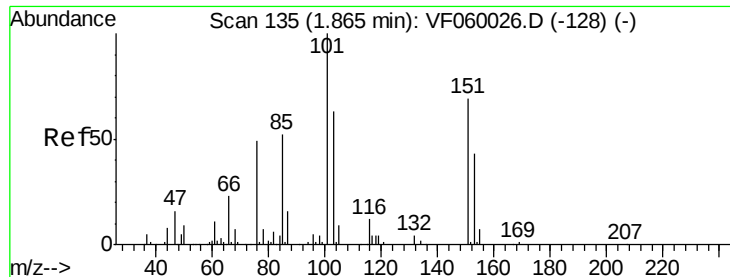


#8

Diethyl Ether
 Concen: 51.16 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	21964		
45	119.0	66.0	198.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.71 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

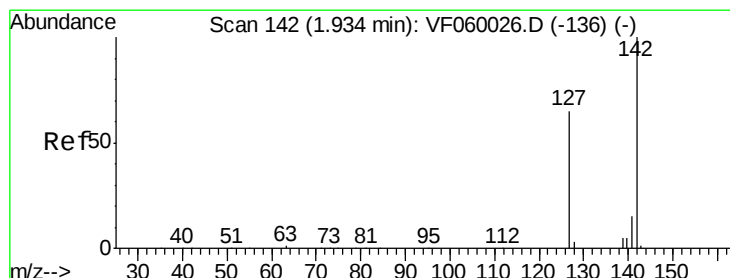
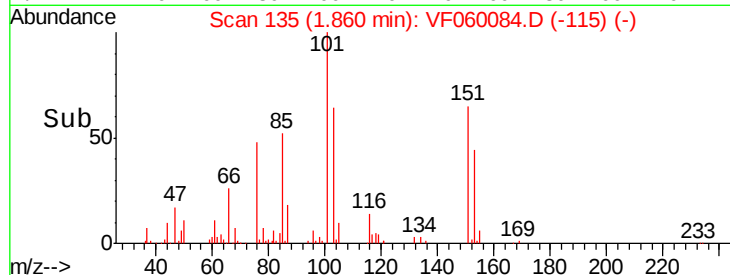
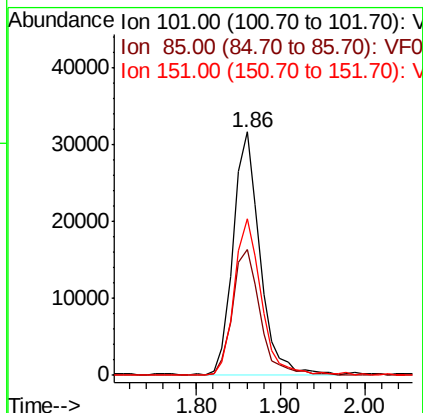
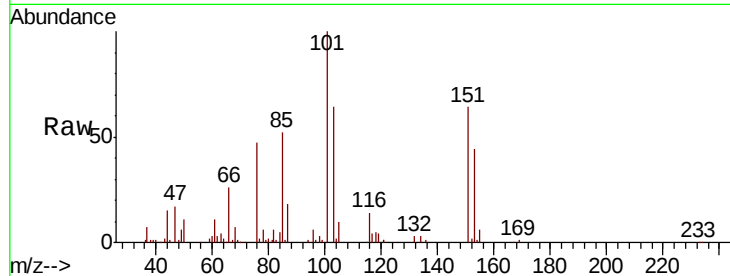
ClientSampleId :

EP1-Q3-C2MS

Tot Ion:	101	Resp:	70219
Ion Ratio	Lower	Upper	
101	100		
85	51.8	41.5	62.3
151	64.3	55.2	82.8

Manual Integrations
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#10

Methyl Iodide

Concen: 47.52 ug/l

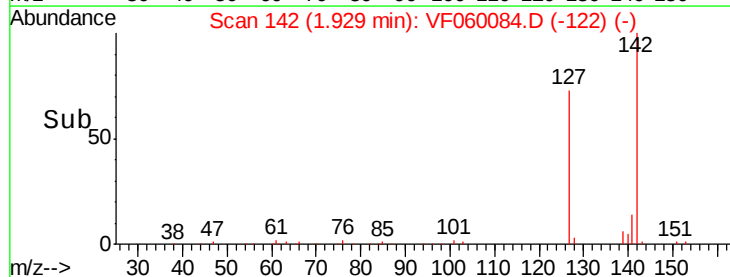
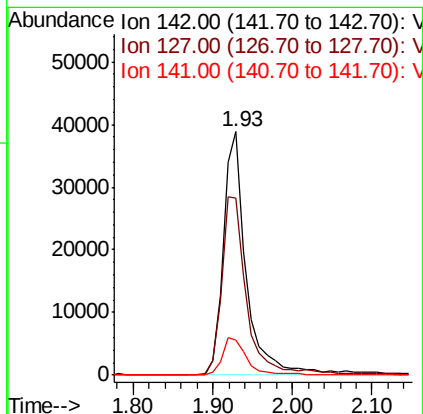
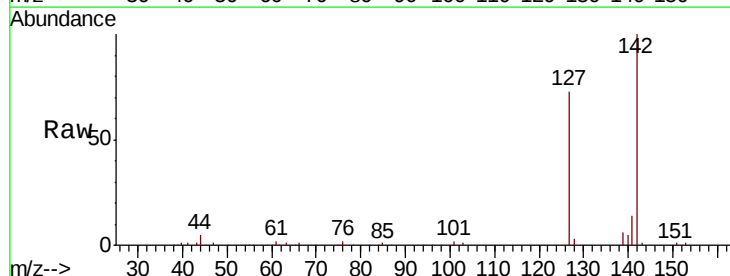
RT: 1.93 min Scan# 142

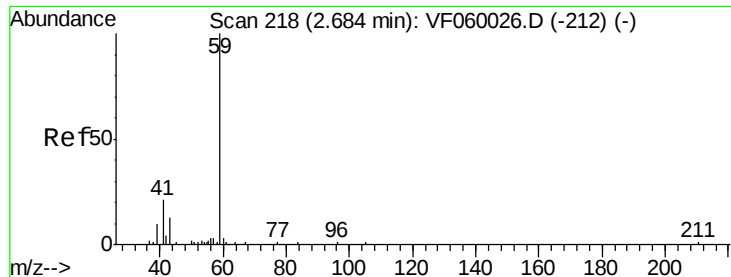
Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tgt Ion:	142	Resp:	79201
Ion Ratio	Lower	Upper	
142	100		
127	73.0	51.8	77.6
141	14.2	11.9	17.9





#11

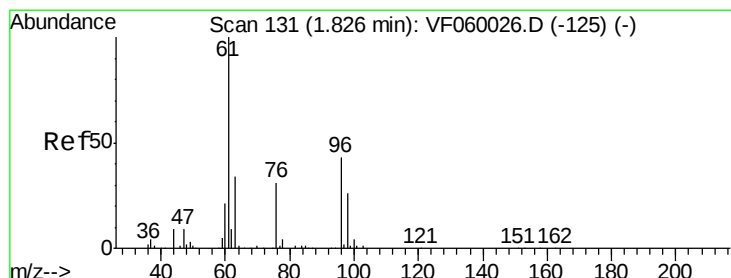
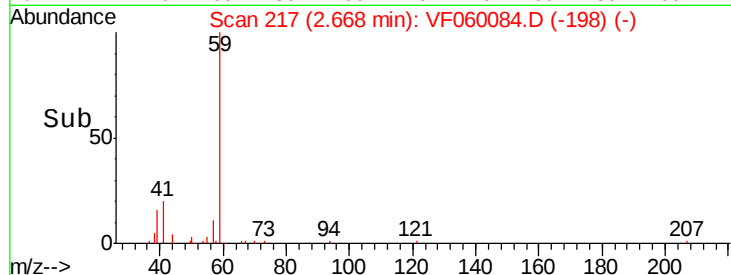
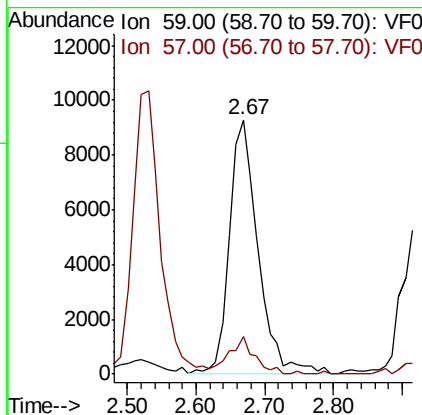
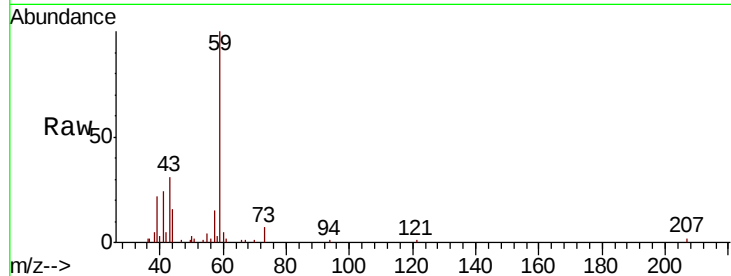
Tert butyl alcohol
Concen: 252.07 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.0	5.4	8.2#

Manual Integrations
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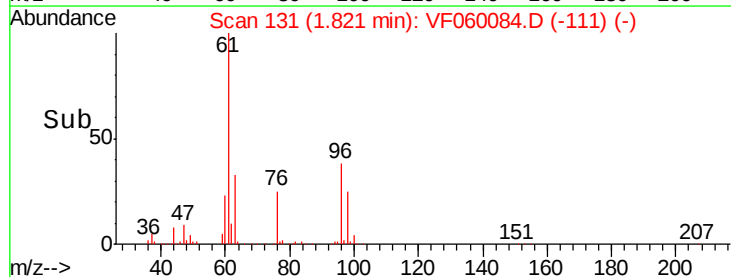
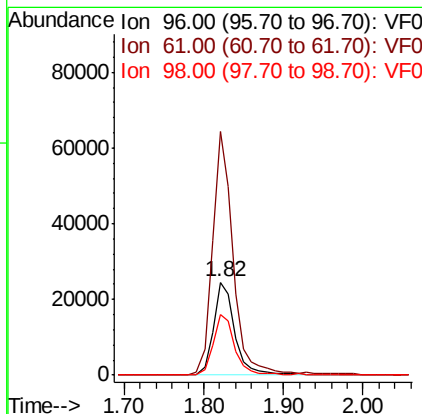
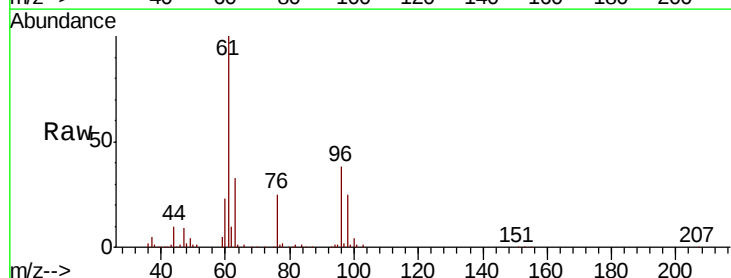
MMDadoda
8/24/2018 4:13:23 PM

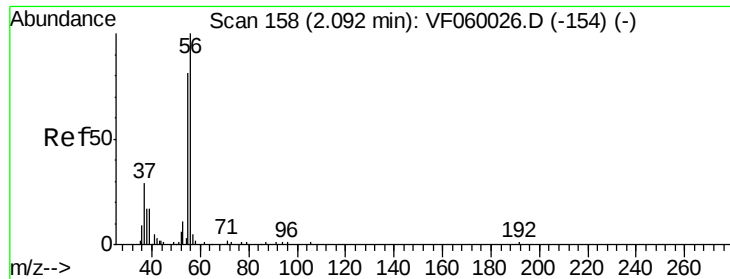


#12

1,1-Dichloroethene
Concen: 50.03 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	262.5	185.0	277.6
98	65.7	47.8	71.8





#13

Acrolein

Concen: 44.02 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion: 56 Resp: 1285

Ion Ratio Lower Upper

56 100

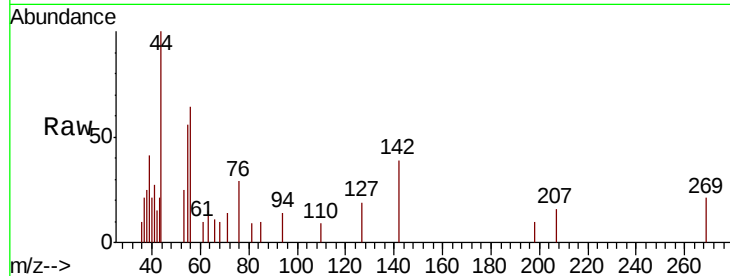
55 88.4 65.6 98.4

Manual Integrations

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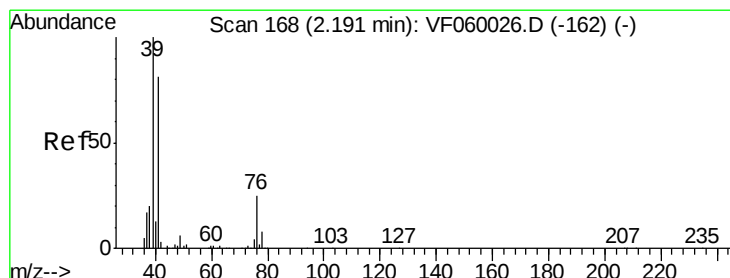
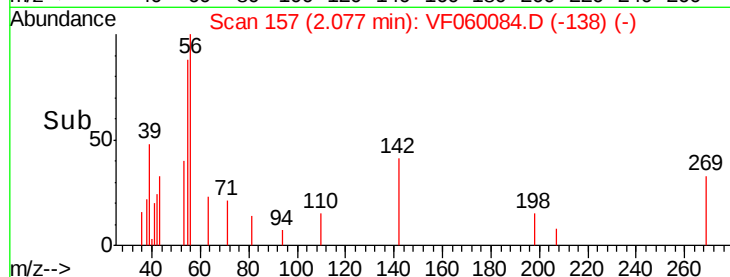
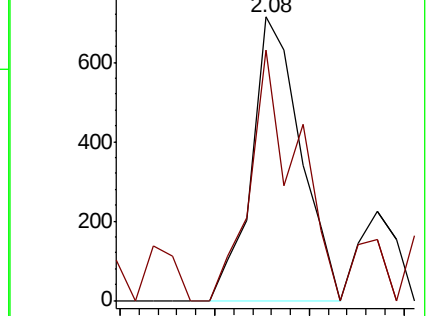
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 48.20 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

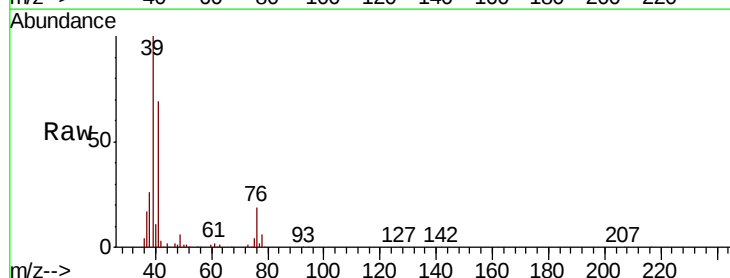
Tgt Ion: 41 Resp: 79500

Ion Ratio Lower Upper

41 100

39 145.3 99.3 148.9

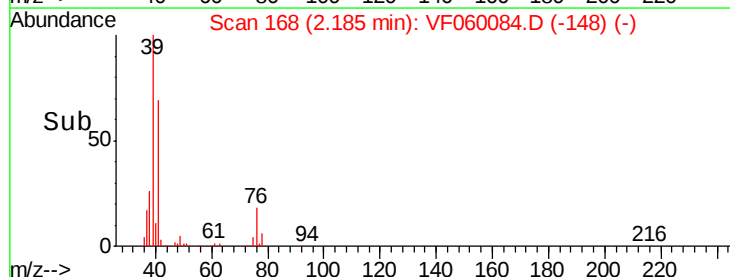
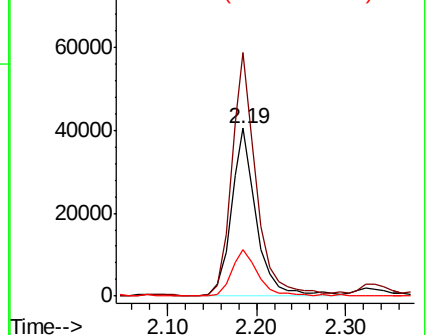
76 28.1 24.3 36.5

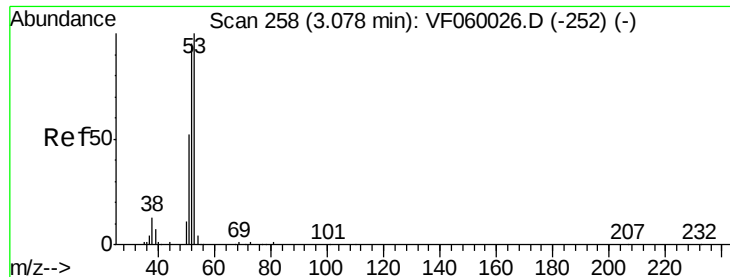


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 230.62 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

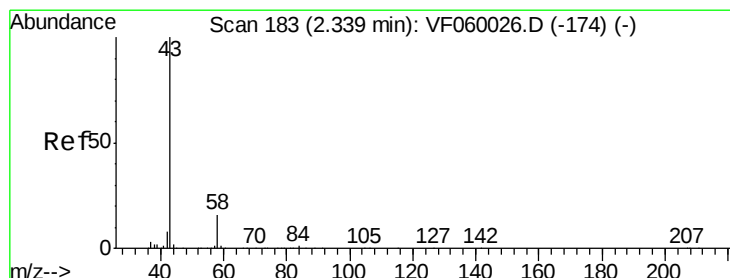
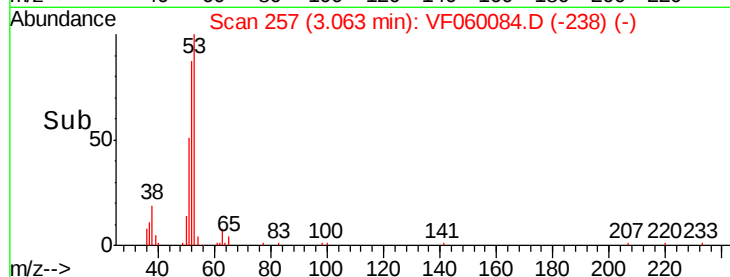
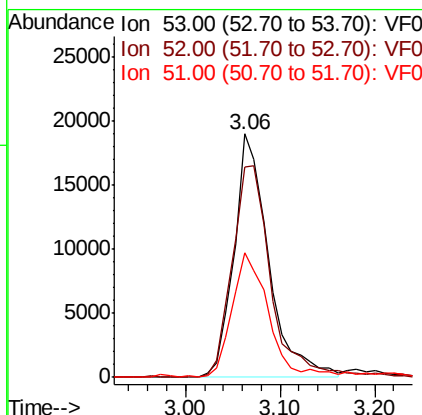
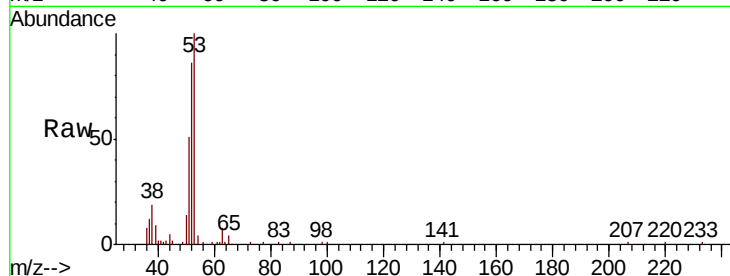
ClientSampleId :

EP1-Q3-C2MS

Tot Ion:	53	Resp:	48408
Ion	Ratio	Lower	Upper
53	100		
52	86.3	75.8	113.8
51	51.0	42.1	63.1

Manual Integrations
APPROVED

MMDadoda
8/24/2018 4:13:23 PM



#16

Acetone

Concen: 234.40 ug/l

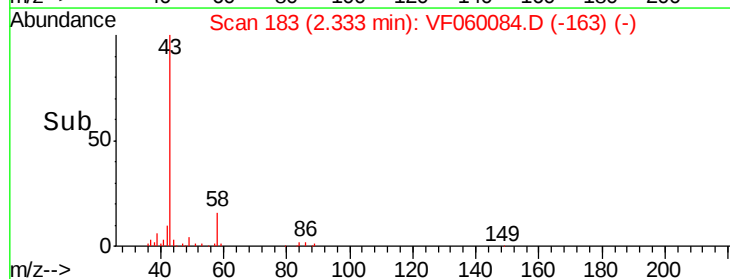
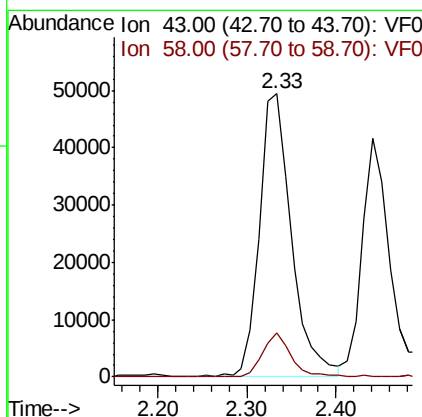
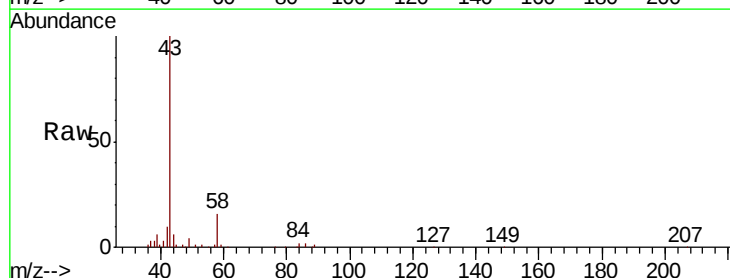
RT: 2.33 min Scan# 183

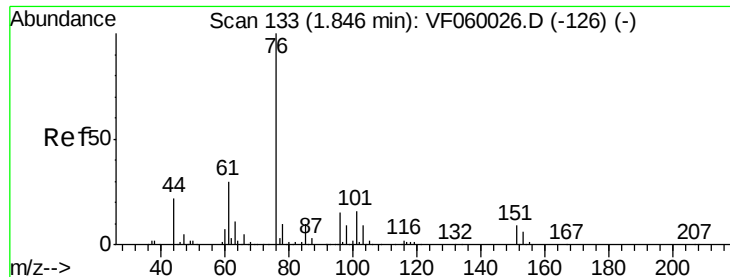
Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tgt Ion:	43	Resp:	123174
Ion	Ratio	Lower	Upper
43	100		
58	15.6	12.6	19.0





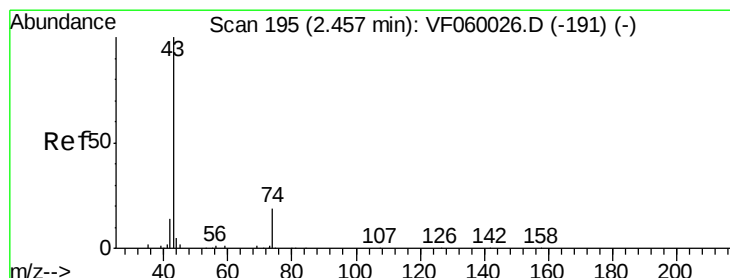
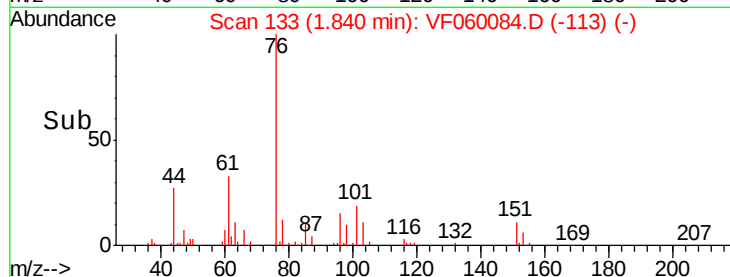
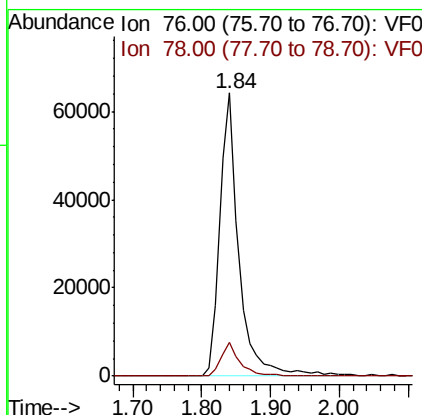
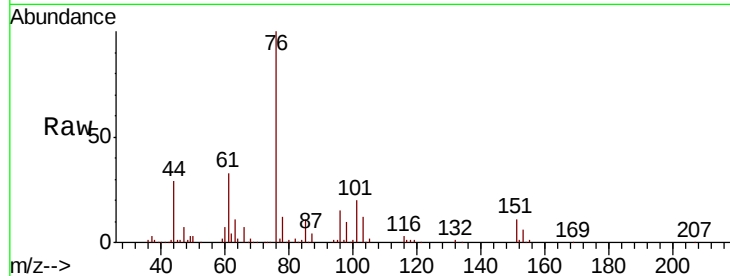
#17
Carbon Disulfide
Concen: 42.39 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.9	8.4	12.6

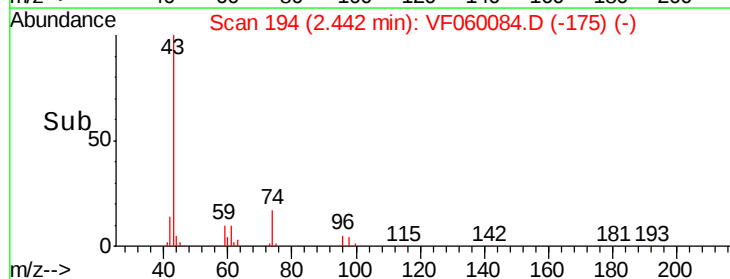
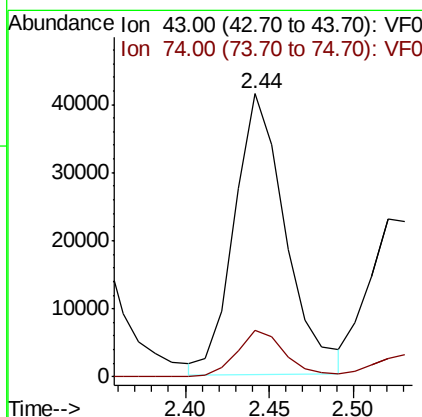
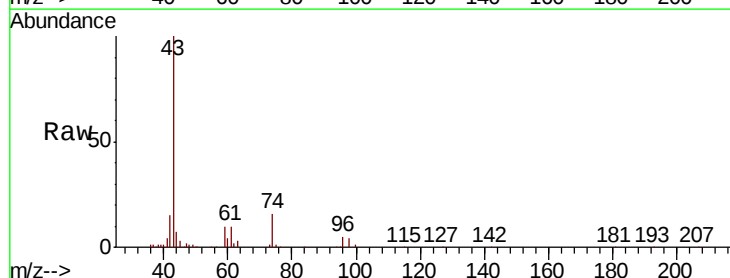
Manual Integrations
APPROVED

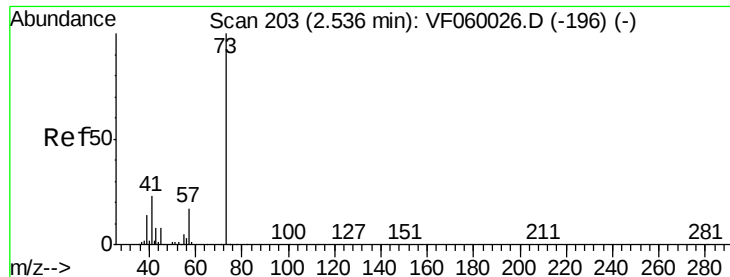
MMDadoda
8/24/2018 4:13:23 PM



#18
Methyl Acetate
Concen: 101.64 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.4	13.8	20.6





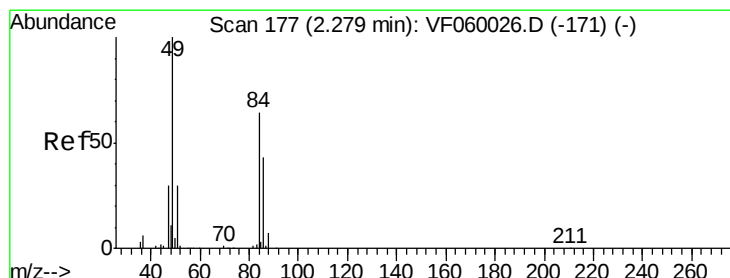
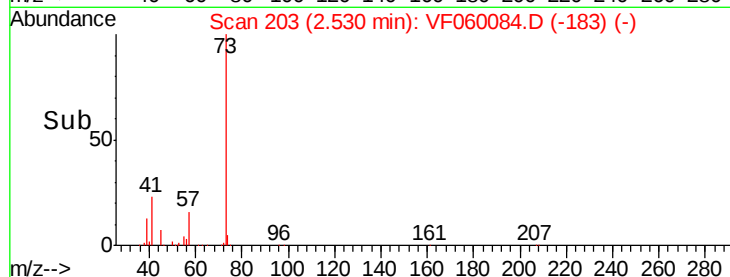
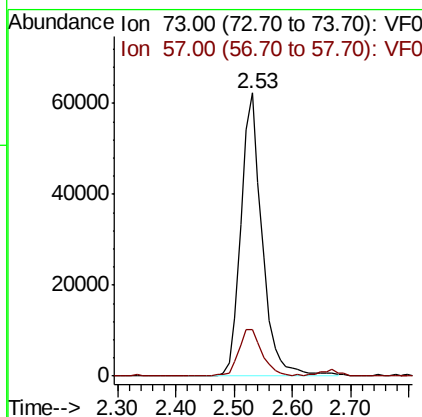
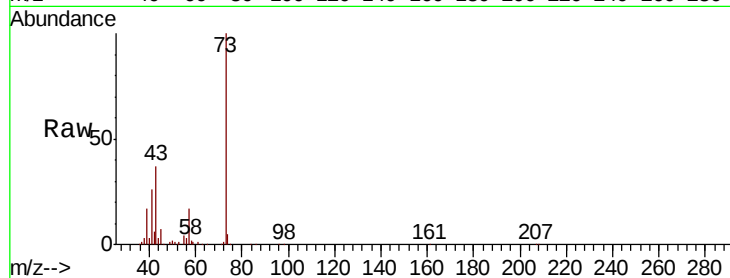
#19
Methvl tert-butvl Ether
Concen: 52.99 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.6	13.7	20.5

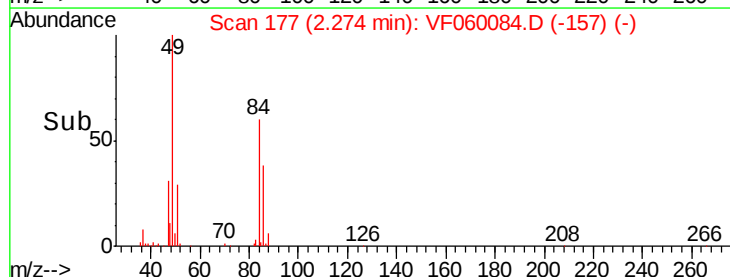
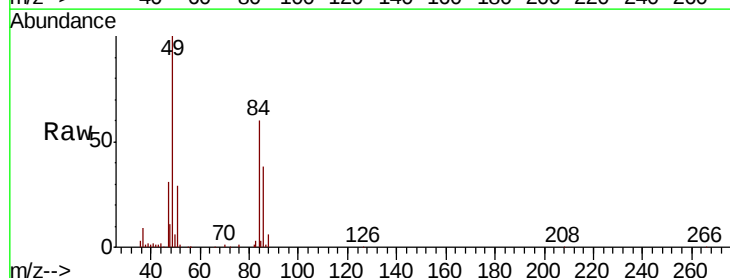
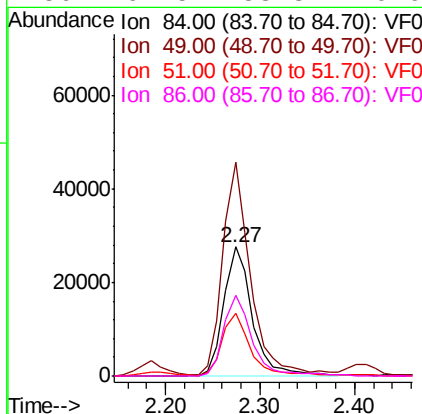
Manual Integrations
APPROVED

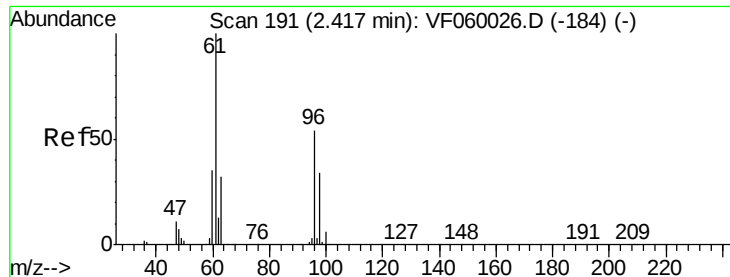
MMDadoda
8/24/2018 4:13:23 PM



#20
Methylene Chloride
Concen: 56.55 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	165.6	125.4	188.0
51	48.6	38.3	57.5
86	62.5	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 44.08 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

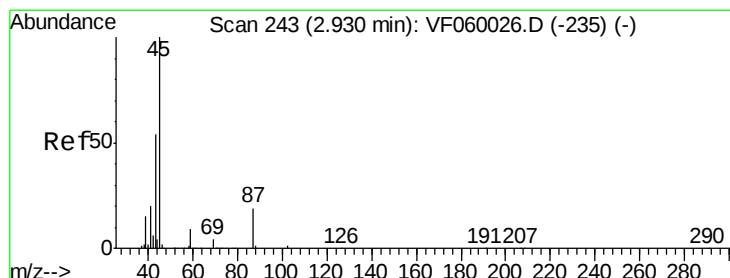
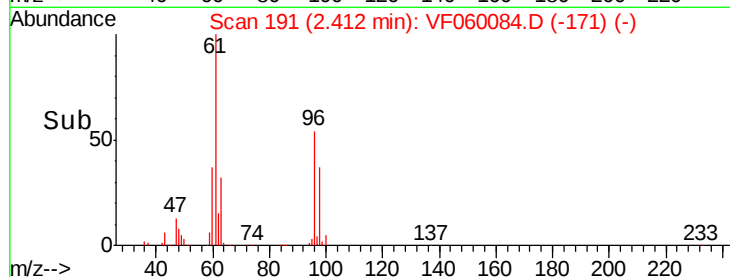
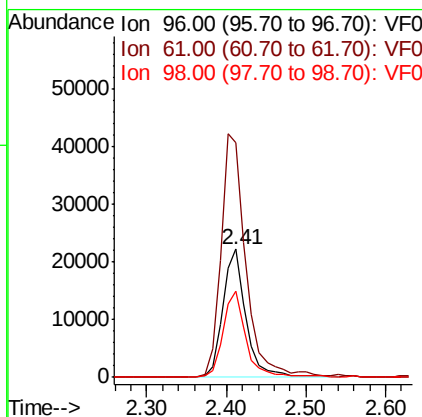
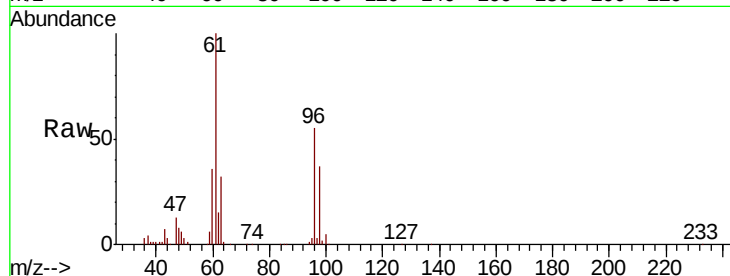
ClientSampled :

EP1-Q3-C2MS

Tot Ion:	96	Resp:	45802
Ion	Ratio	Lower	Upper
96	100		
61	183.4	147.4	221.0
98	67.2	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.56 ug/l

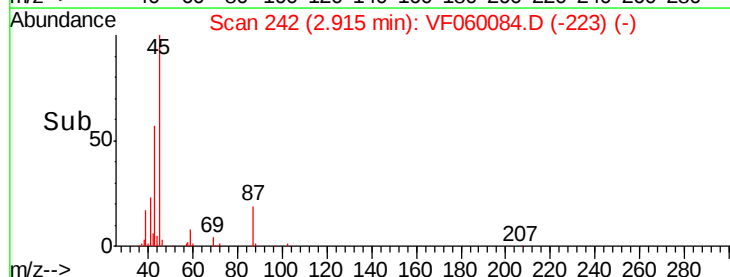
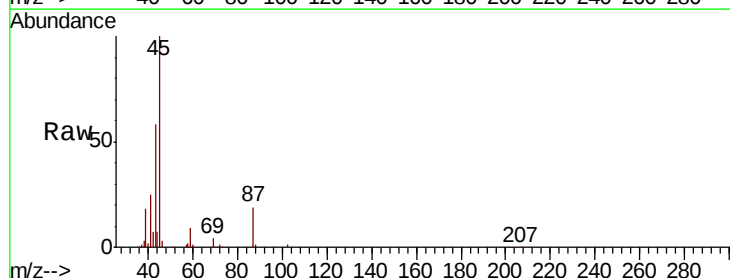
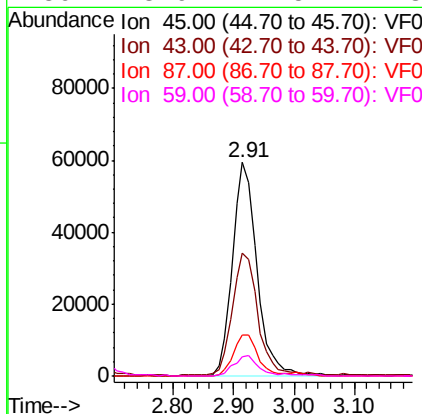
RT: 2.91 min Scan# 242

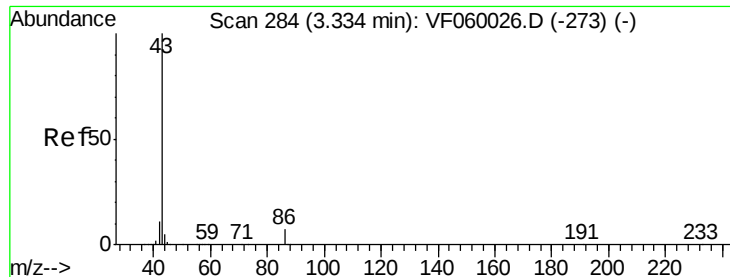
Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tgt Ion:	45	Resp:	168278
Ion	Ratio	Lower	Upper
45	100		
43	57.8	43.4	65.2
87	19.2	15.4	23.2
59	8.9	7.5	11.3





#23

Vinyl Acetate

Concen: 78.40 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion: 43 Resp: 153385

Ion Ratio Lower Upper

43 100

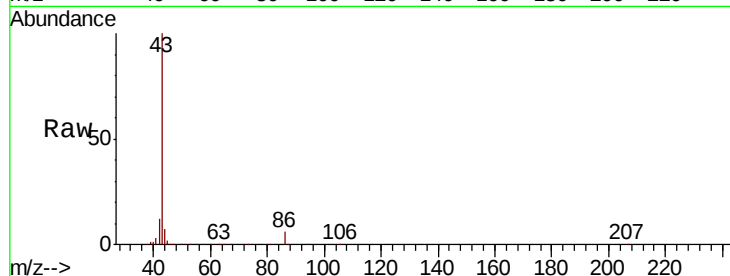
86 6.1 5.6 8.4

Manual Integrations

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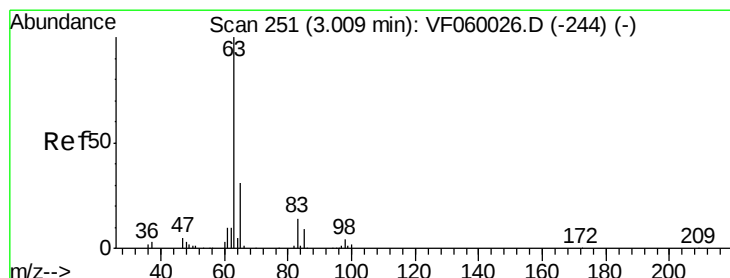
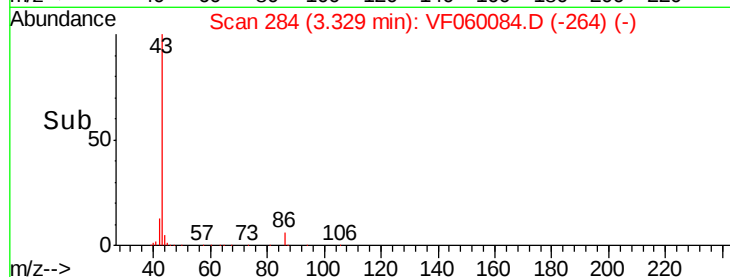
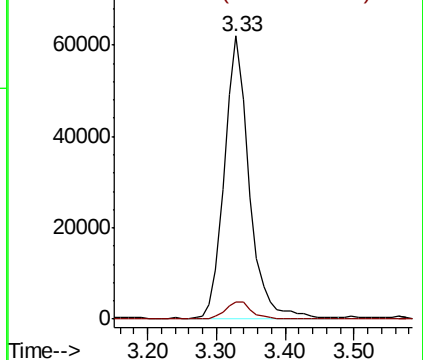
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 53.70 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

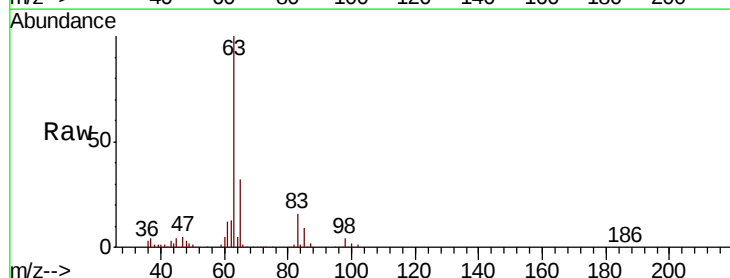
Tgt Ion: 63 Resp: 122511

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.5

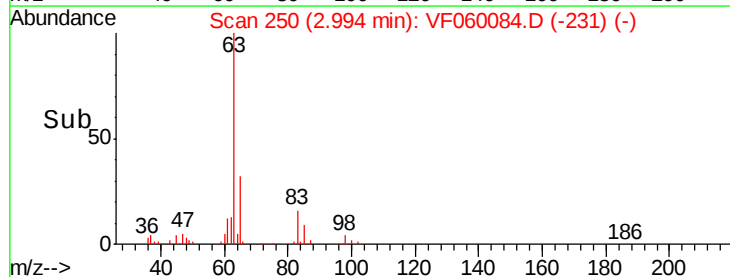
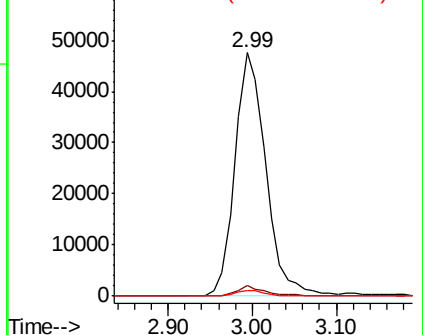
100 2.2 1.1 3.3

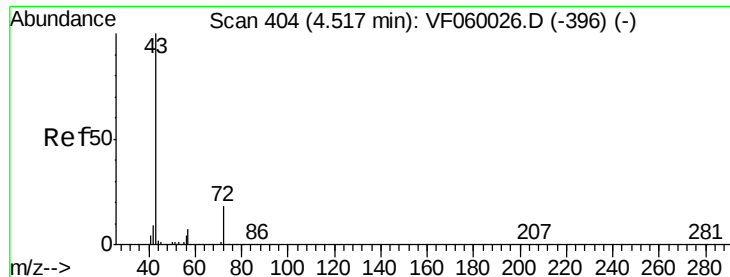


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 253.19 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion: 43 Resp: 172822

Ion Ratio Lower Upper

43 100

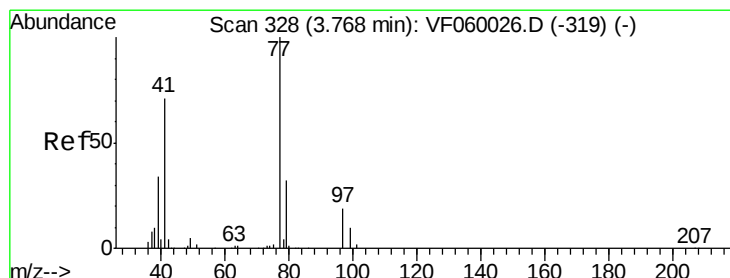
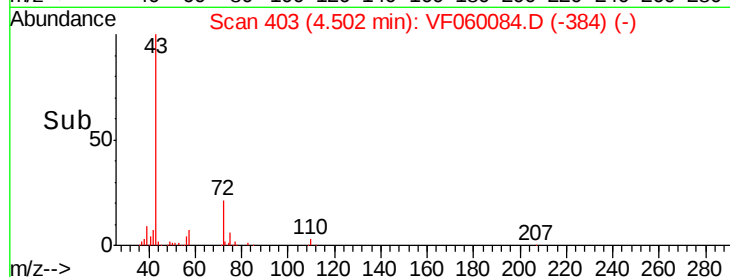
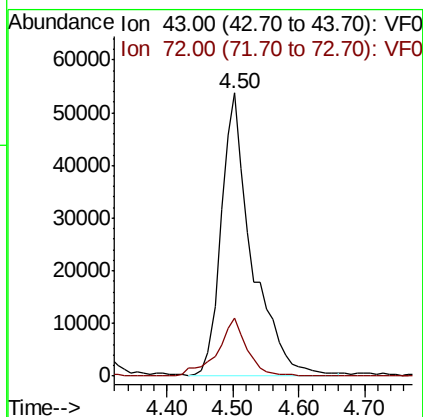
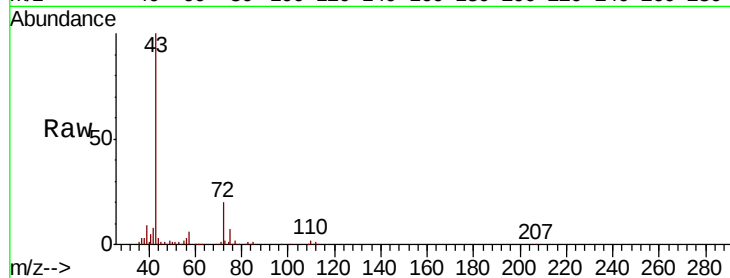
72 20.4 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.34 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF060084.D

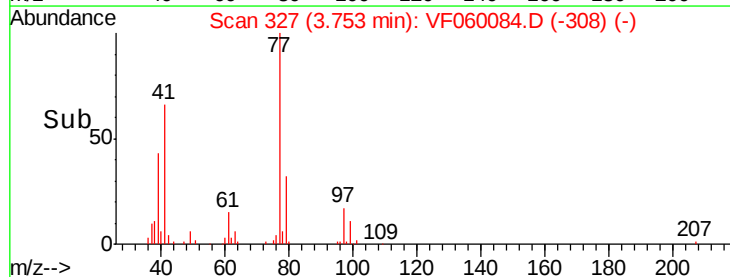
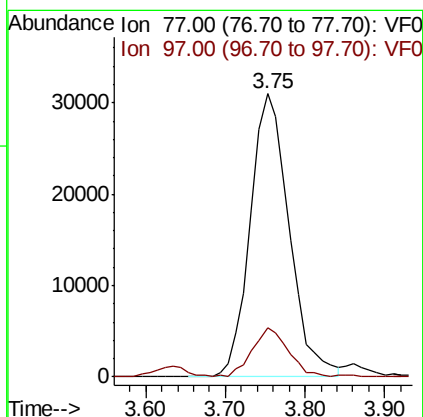
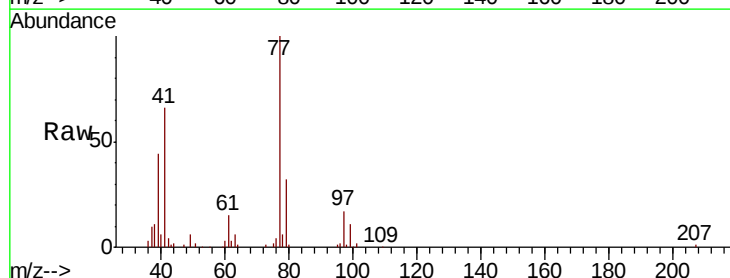
Acq: 24 Aug 2018 7:21

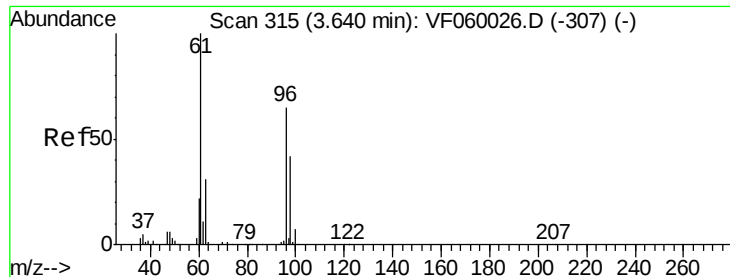
Tgt Ion: 77 Resp: 104657

Ion Ratio Lower Upper

77 100

97 17.4 9.7 29.1





#27

cis-1,2-Dichloroethene

Concen: 56.46 ug/l

RT: 3.62 min Scan# 314

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

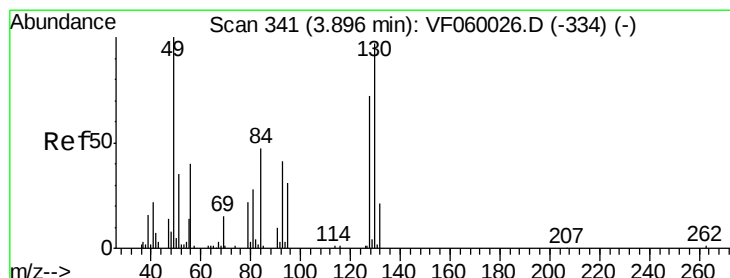
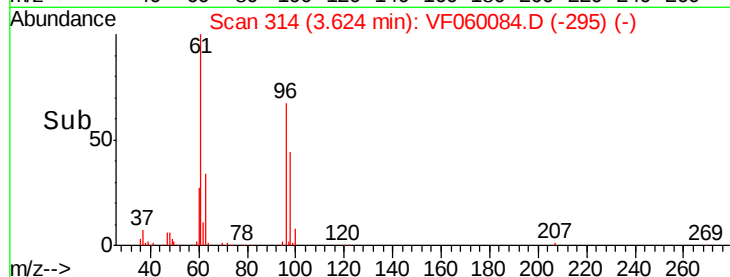
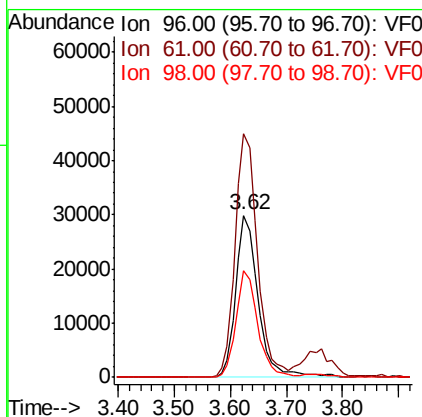
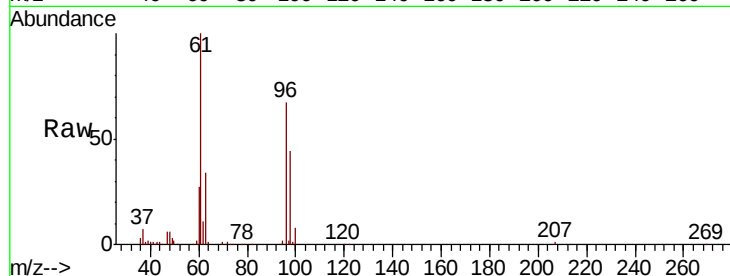
ClientSampleId :

EP1-Q3-C2MS

Tot Ion:	96	Resp:	83139
Ion Ratio	Lower	Upper	
96	100		
61	150.3	0.0	307.6
98	65.7	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 54.04 ug/l

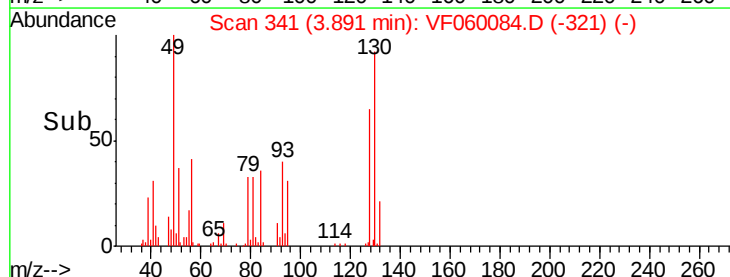
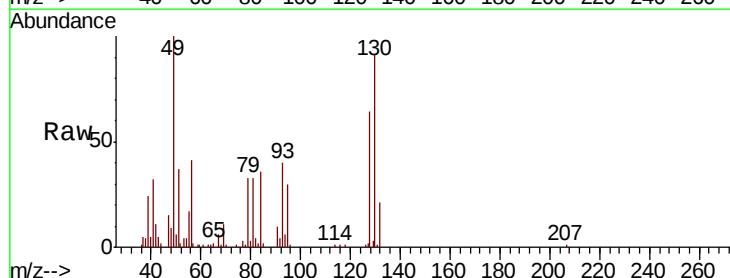
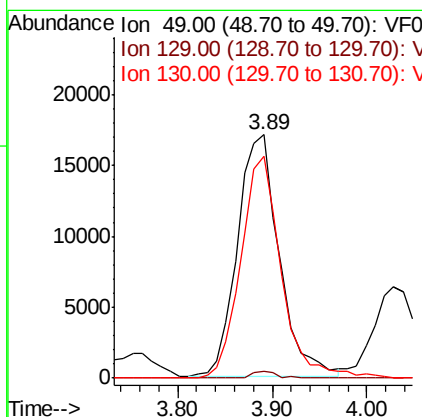
RT: 3.89 min Scan# 341

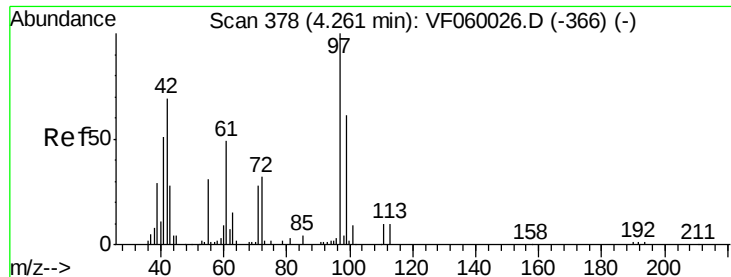
Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tgt Ion:	49	Resp:	52058
Ion Ratio	Lower	Upper	
49	100		
129	2.7	0.0	7.4
130	91.1	78.0	117.0





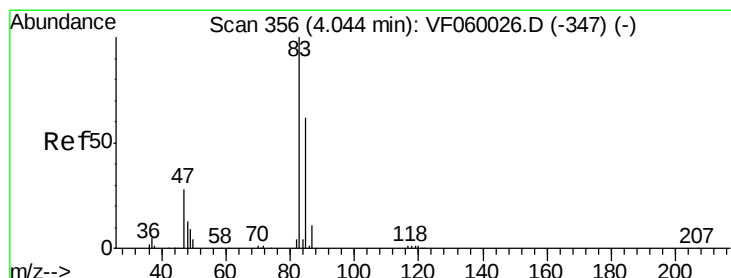
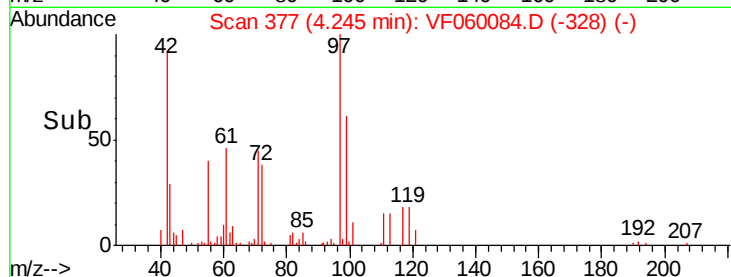
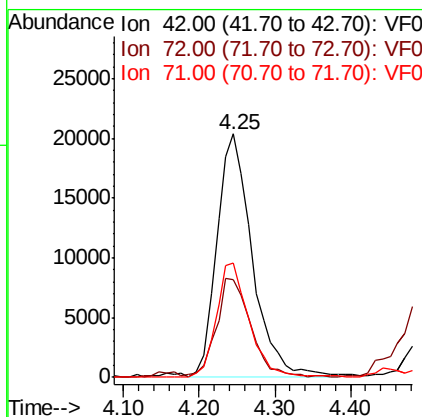
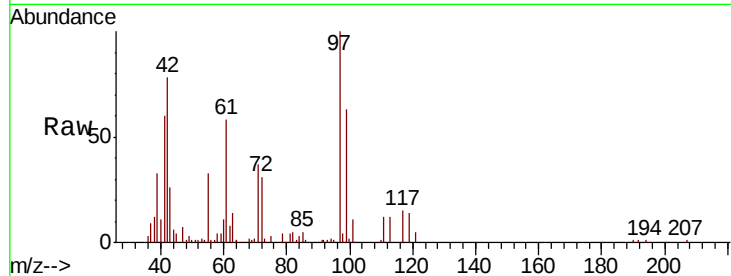
#29
Tetrahydrofuran
Concen: 257.40 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	39.4	31.4	47.2
71	43.2	29.7	44.5

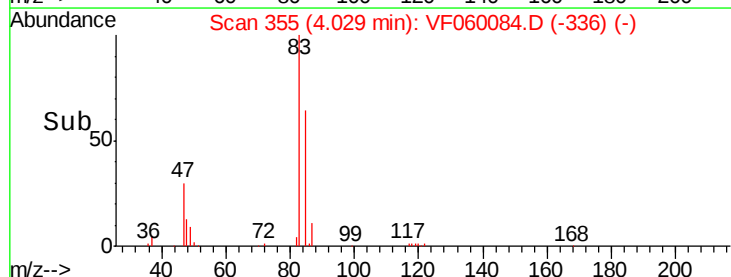
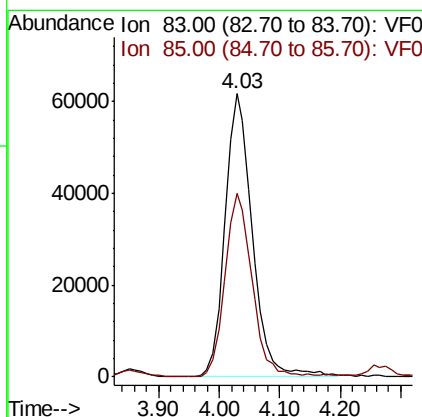
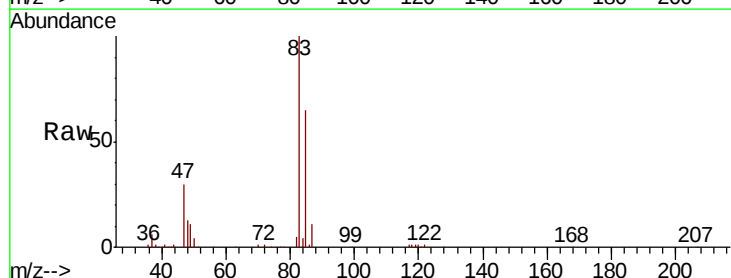
Manual Integrations
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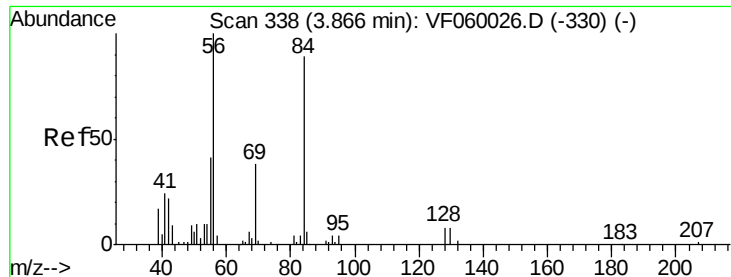
MMDadoda
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#30
Chloroform
Concen: 60.27 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	64.9	49.5	74.3





#31

Cyclohexane

Concen: 48.09 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

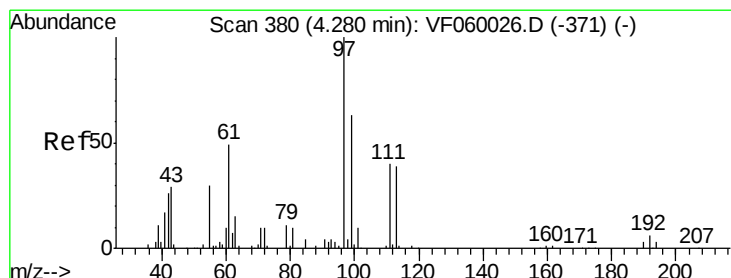
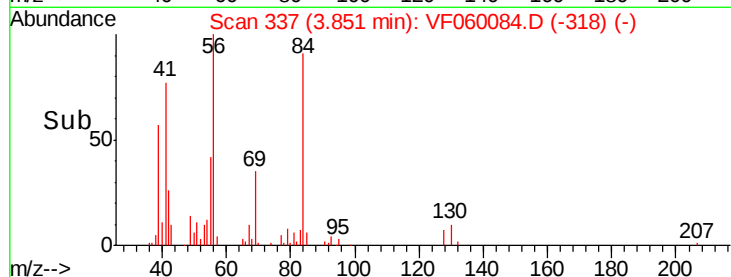
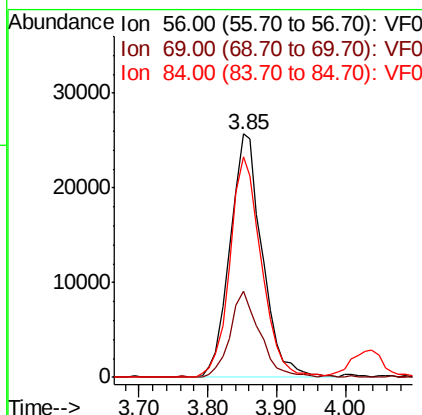
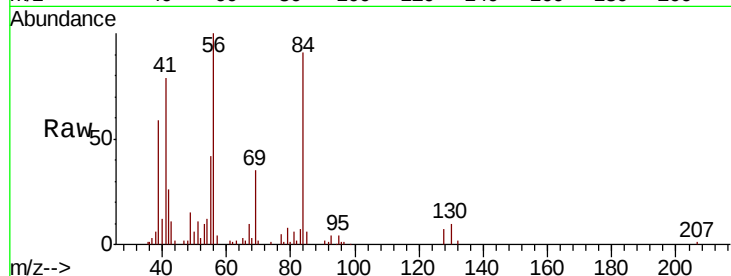
ClientSampleId :

EP1-Q3-C2MS

Tot Ion:	56	Resp:	83608
Ion Ratio	Lower	Upper	
56	100		
69	35.1	30.4	45.6
84	90.8	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 60.88 ug/l

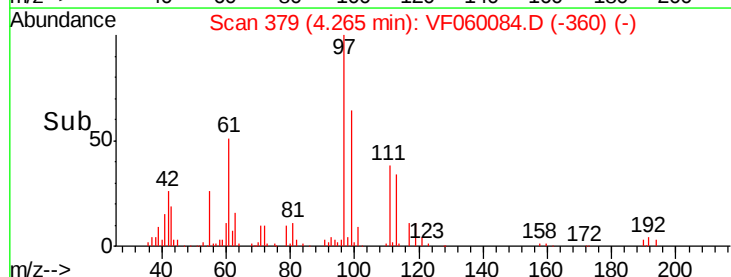
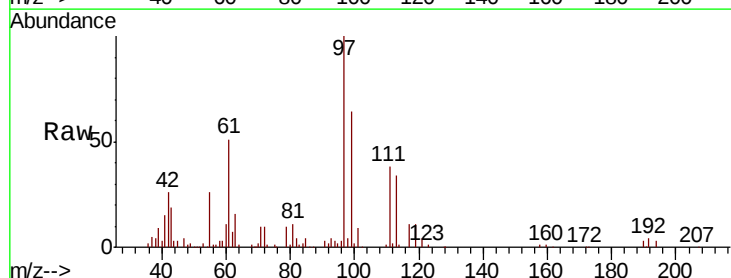
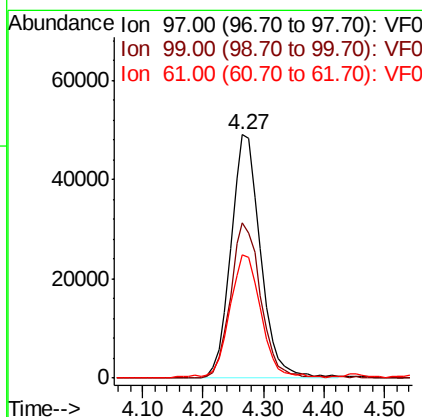
RT: 4.27 min Scan# 379

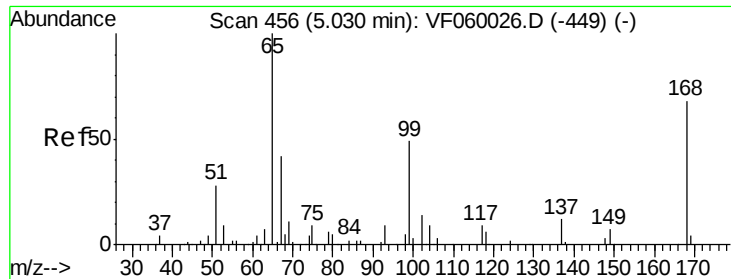
Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tgt Ion:	97	Resp:	166971
Ion Ratio	Lower	Upper	
97	100		
99	63.9	50.3	75.5
61	50.8	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 61.66 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tot Ion: 65 Resp: 123276

Ion Ratio Lower Upper

65 100

67 45.7 0.0 92.0

Instrument :

MSVOA_F

ClientSampleId :

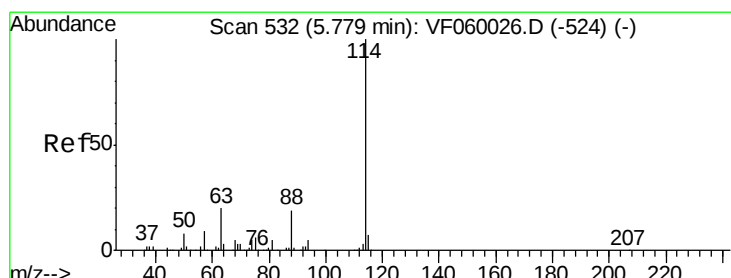
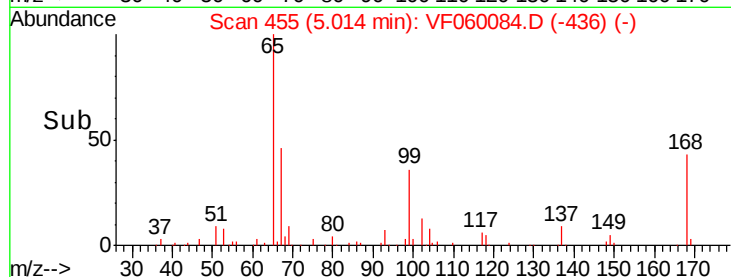
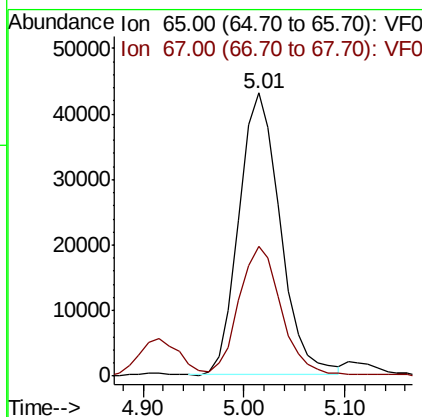
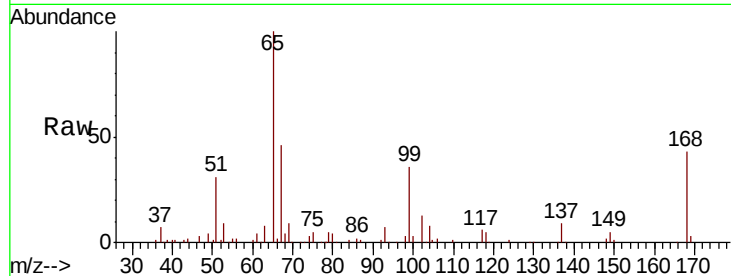
EP1-Q3-C2MS

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

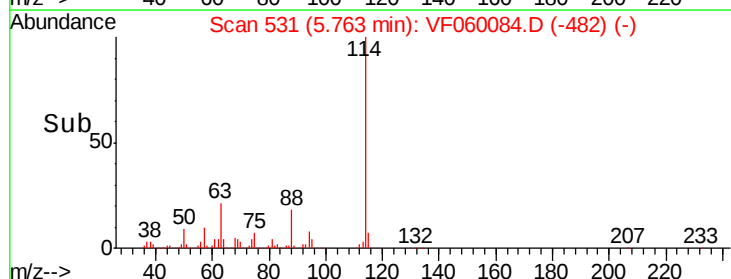
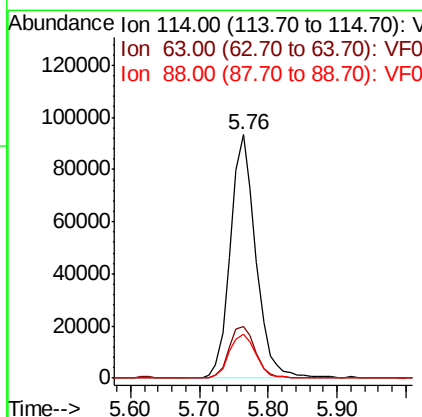
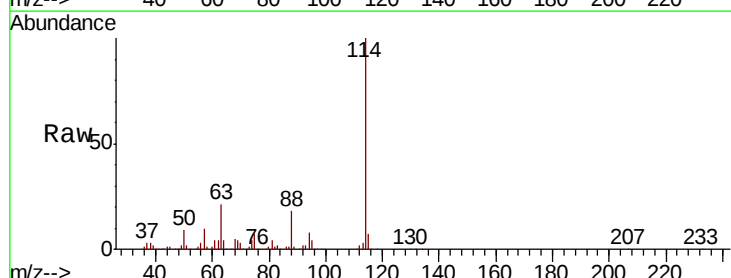
Tgt Ion: 114 Resp: 238672

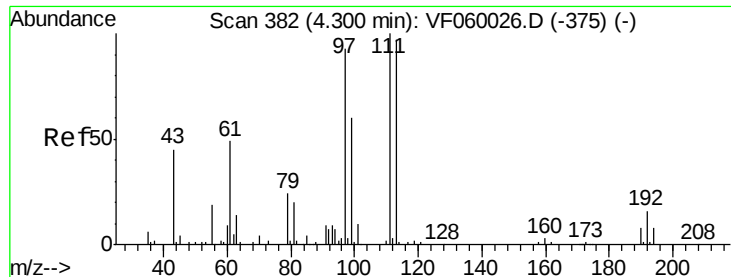
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.4

88 18.0 0.0 38.6





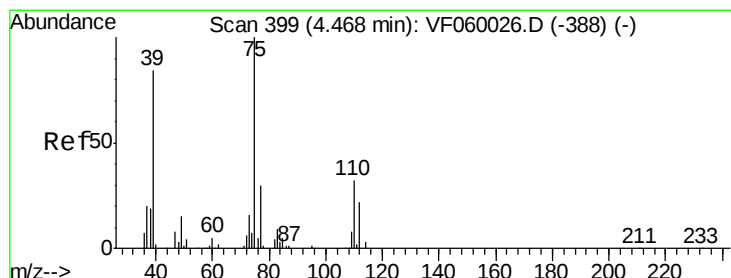
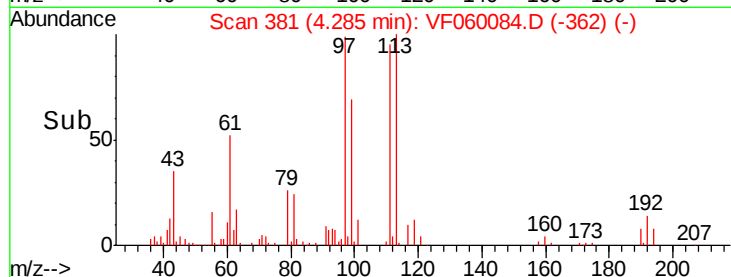
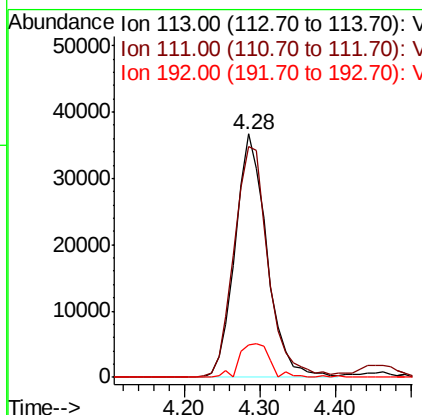
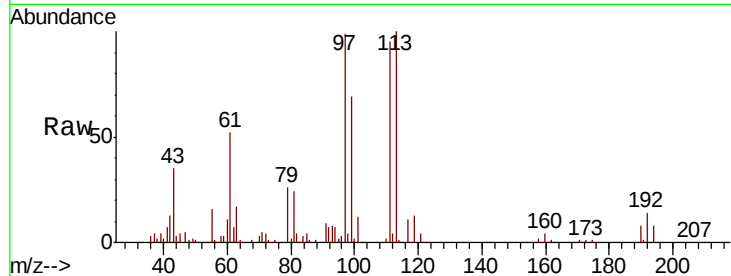
#35
 Dibromofluoromethane
 Concen: 57.21 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107214		
111	94.6	82.7	124.1	
192	13.6	13.0	19.4	

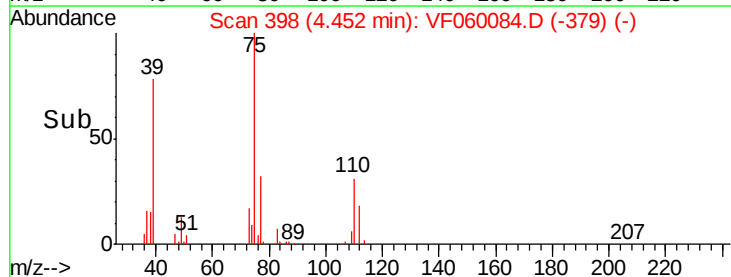
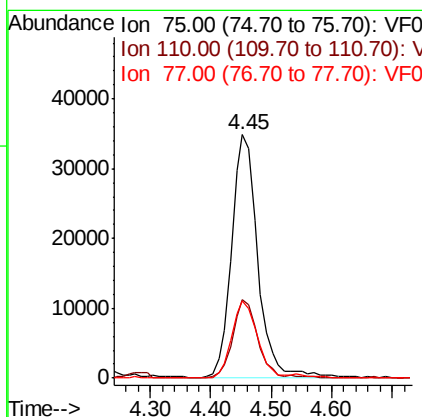
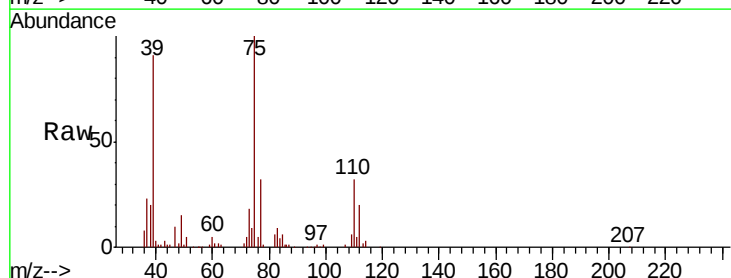
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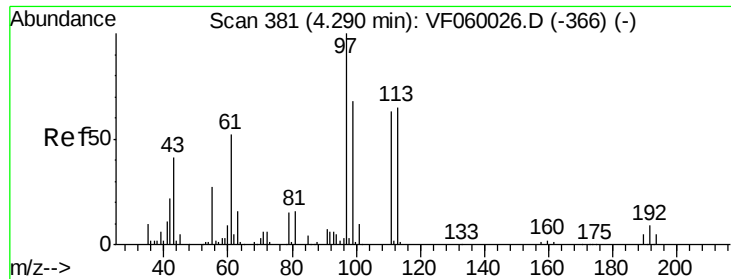
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#36
 1,1-Dichloropropene
 Concen: 46.92 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105242		
110	32.2	16.0	47.9	
77	31.9	24.1	36.1	





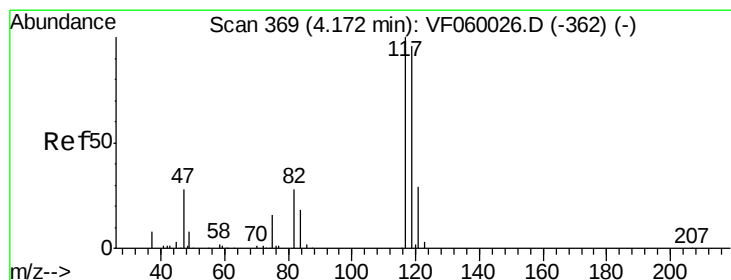
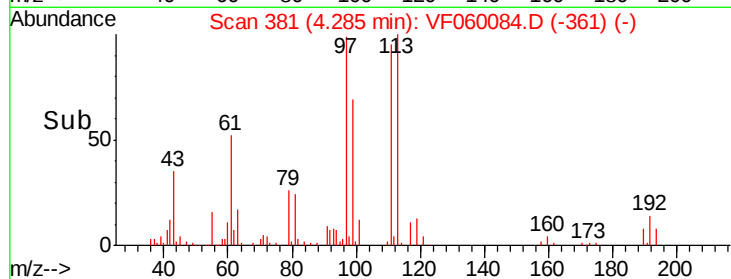
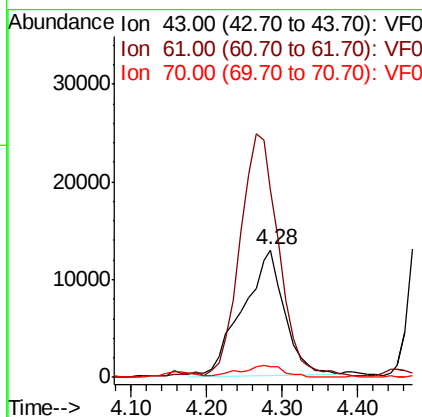
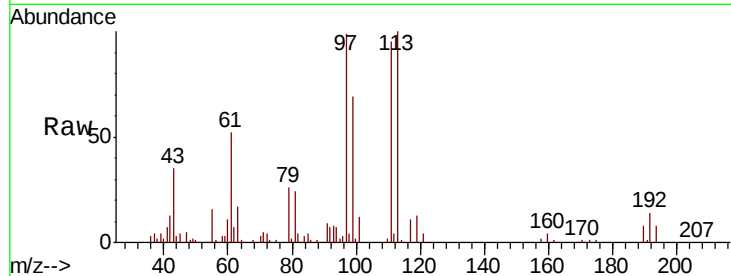
#37
Ethyl Acetate
Concen: 36.82 ug/l
RT: 4.28 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	147.7	101.5			152.3	
70	8.5	6.4			9.6	

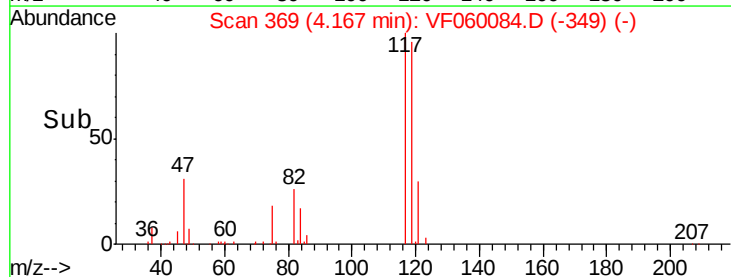
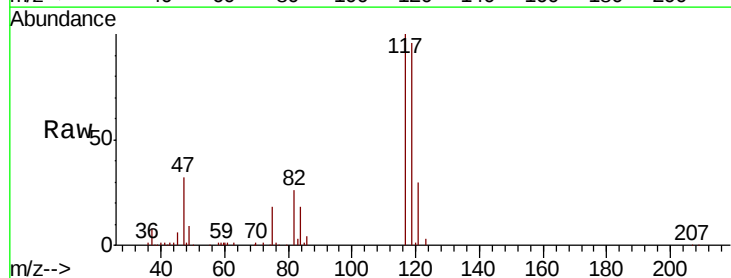
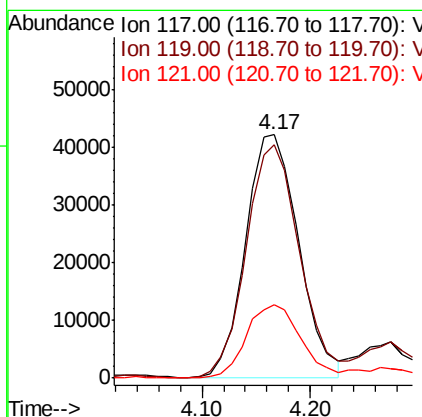
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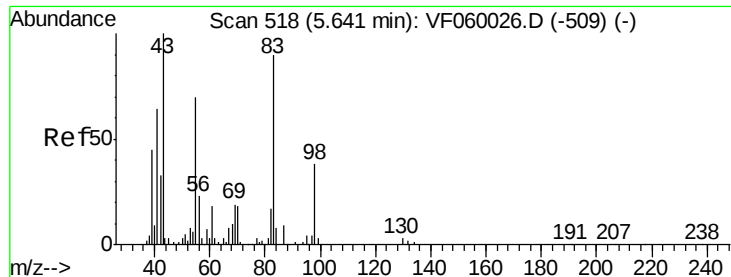
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#38
Carbon Tetrachloride
Concen: 55.17 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	95.7	76.5			114.7	
121	30.3	23.0			34.6	





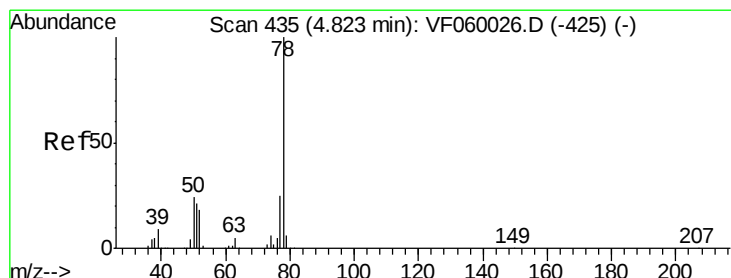
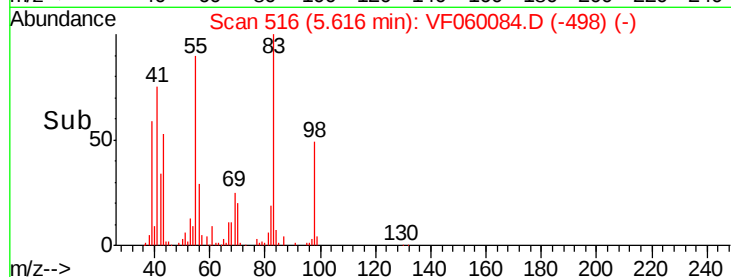
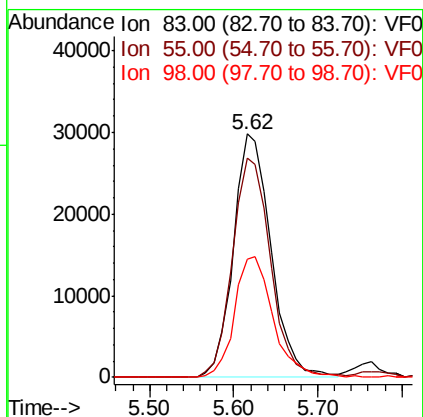
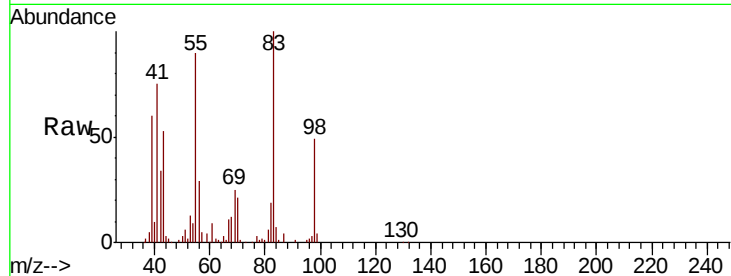
#39
Methvlcvclohexane
Concen: 44.14 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.03 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.2	62.7	94.1
98	48.5	33.8	50.8

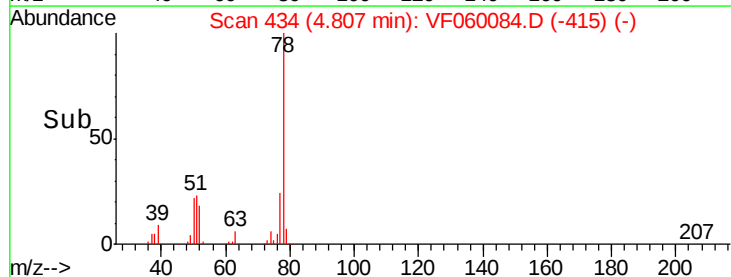
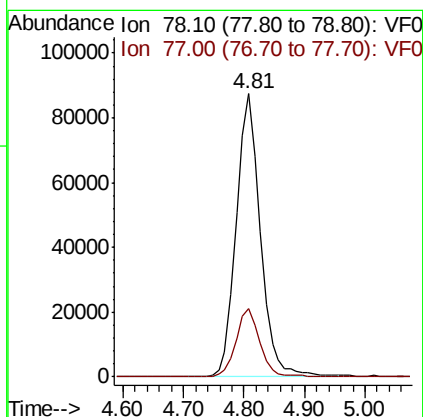
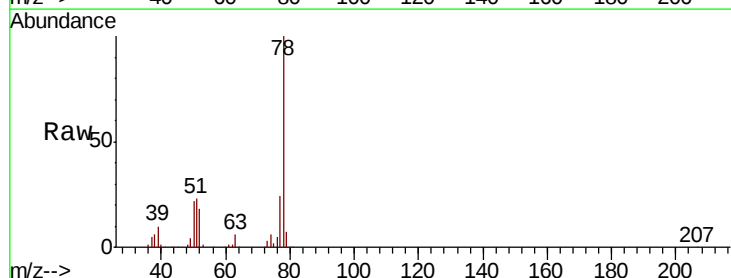
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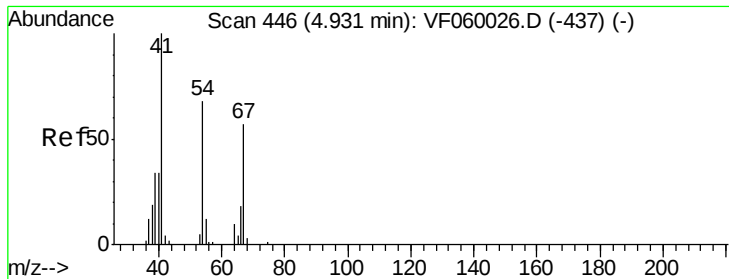
MMDadoda
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#40
Benzene
Concen: 49.73 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.8	29.6





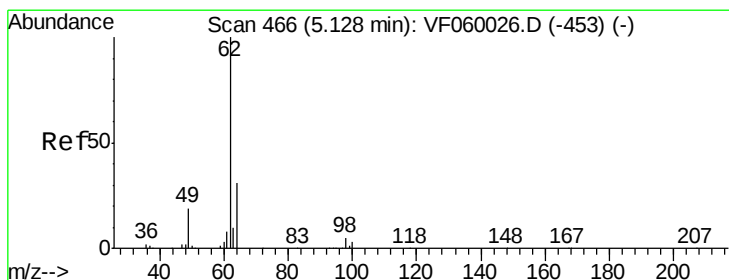
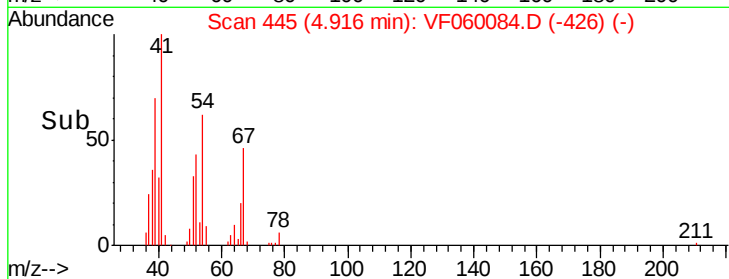
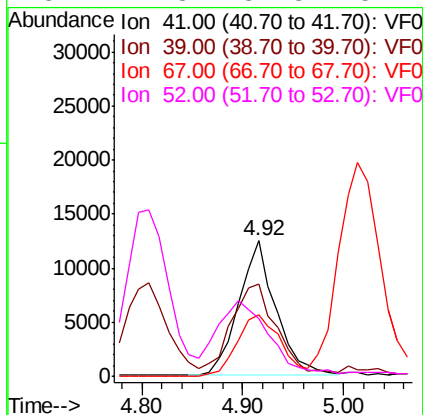
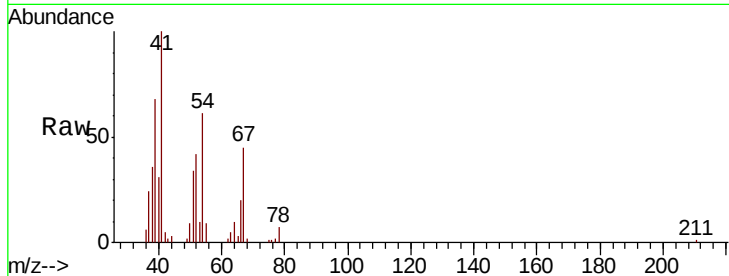
#41
Methacrylonitrile
Concen: 46.82 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.5	52.9	79.3
67	45.1	45.3	67.9#
52	42.3	34.8	52.2

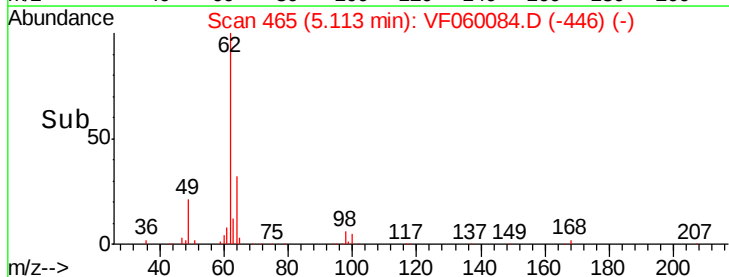
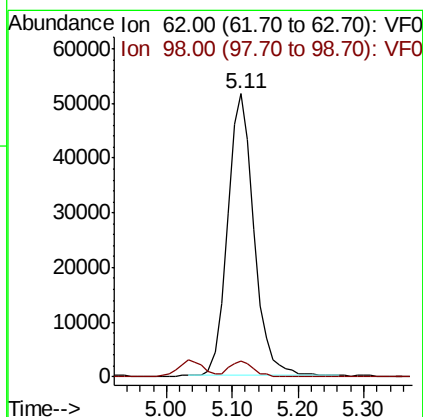
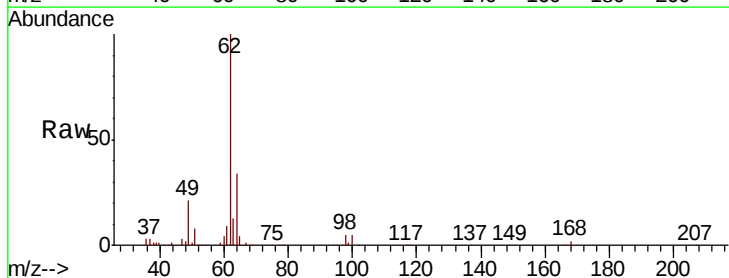
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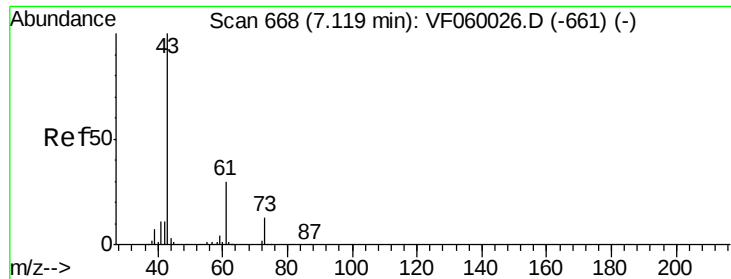
MMDadoda
8/24/2018 4:13:23 PM



#42
1,2-Dichloroethane
Concen: 54.63 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	11.2





#43

Isopropyl Acetate

Concen: 32.78 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

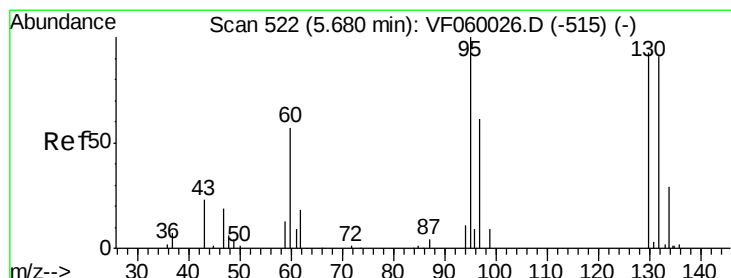
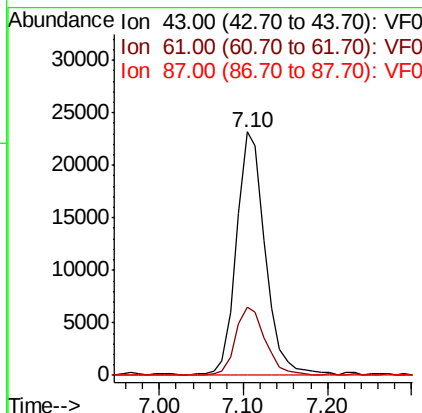
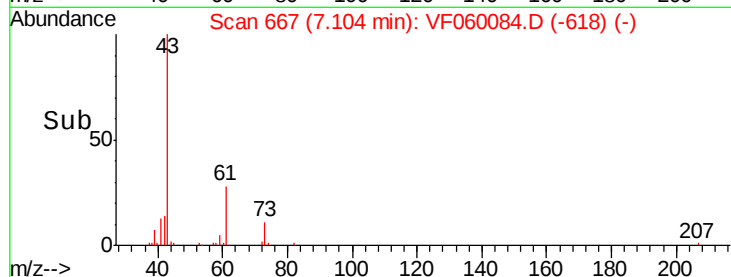
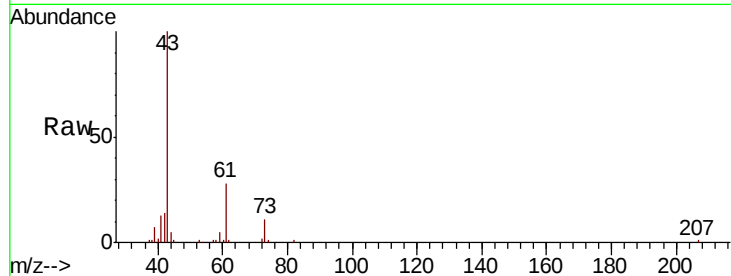
ClientSampleId :

EP1-Q3-C2MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	23.8	35.6
87	0.0	0.2	0.4

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#44

Trichloroethene

Concen: 52.01 ug/l

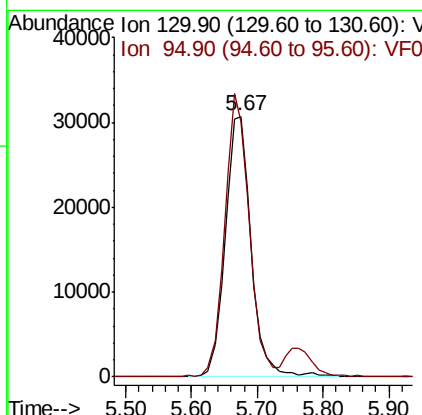
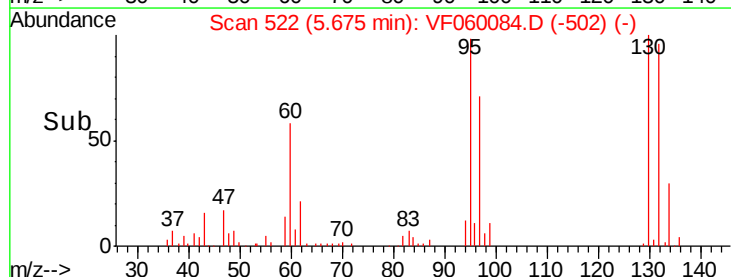
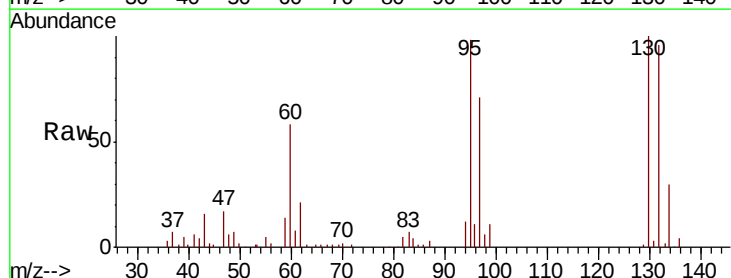
RT: 5.67 min Scan# 522

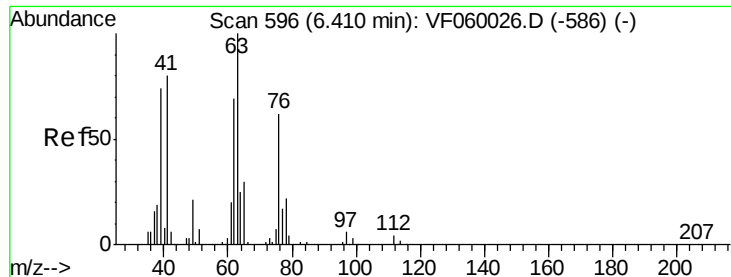
Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	215.8





#45

1,2-Dichloropropane

Concen: 55.07 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion: 63 Resp: 76321

Ion Ratio Lower Upper

63 100

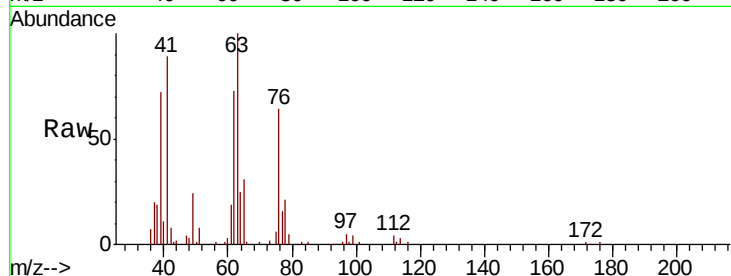
65 30.7 23.8 35.6

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

30000

25000

20000

15000

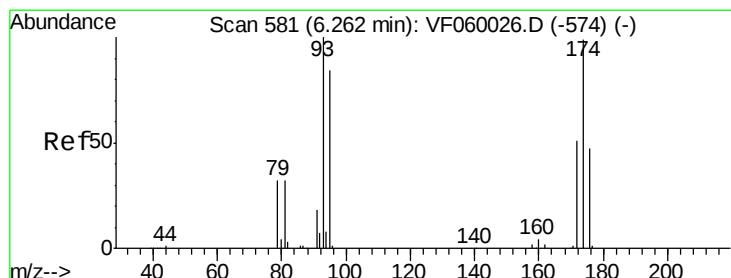
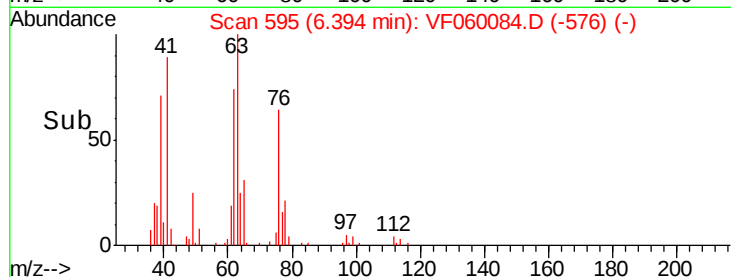
10000

5000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 59.12 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

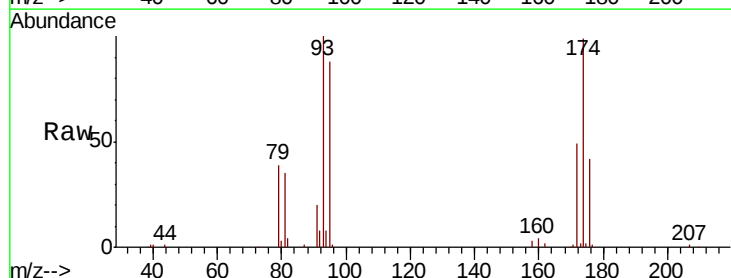
Tgt Ion: 93 Resp: 64116

Ion Ratio Lower Upper

93 100

95 88.3 67.1 100.7

174 101.6 79.0 118.4



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

30000

25000

20000

15000

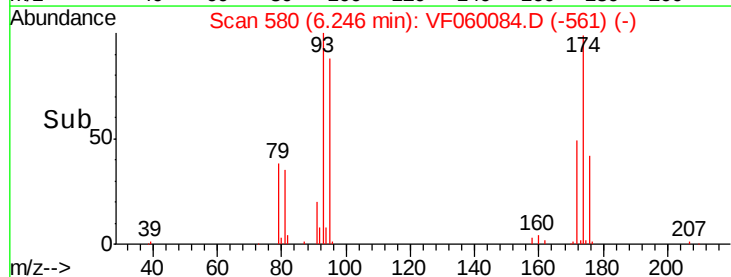
10000

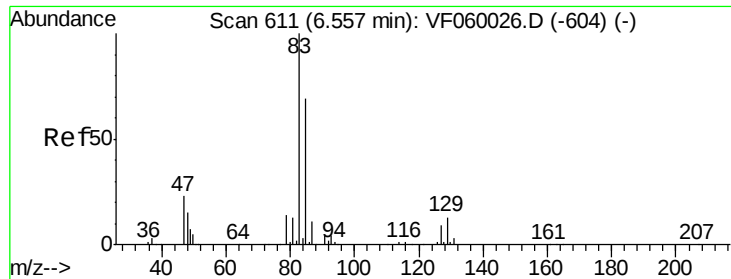
5000

0

6.10 6.20 6.30 6.40

Time-->





#47

Bromodichloromethane

Concen: 56.06 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

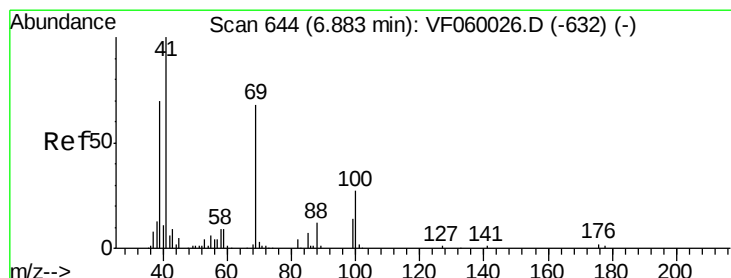
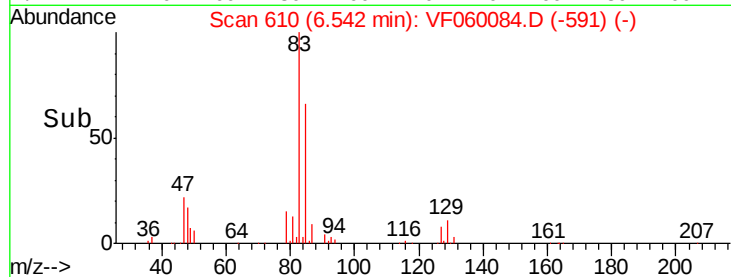
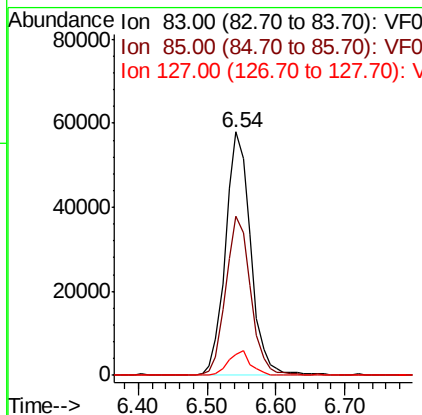
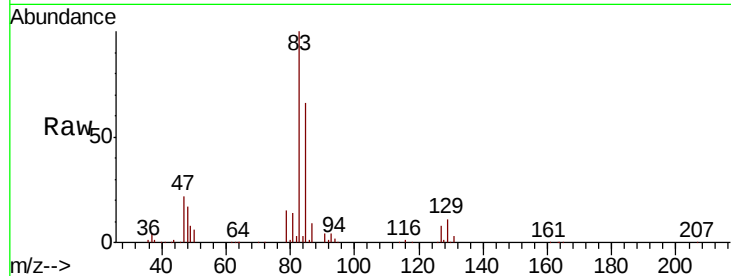
ClientSampleId :

EP1-Q3-C2MS

Tot Ion:	83	Resp:	146830
Ion Ratio	Lower	Upper	
83	100		
85	65.6	55.2	82.8
127	8.5	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 62.22 ug/l

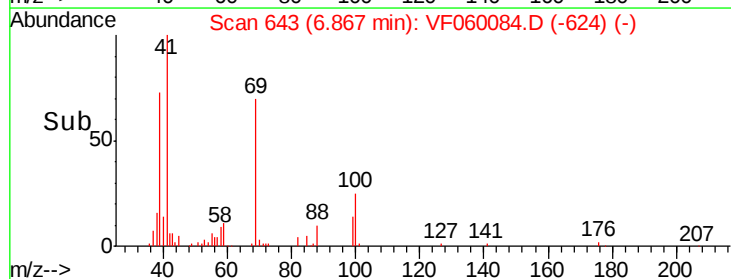
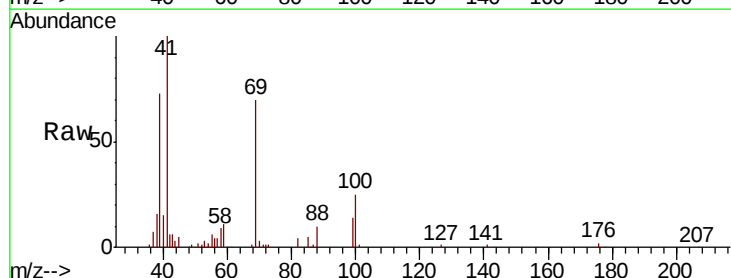
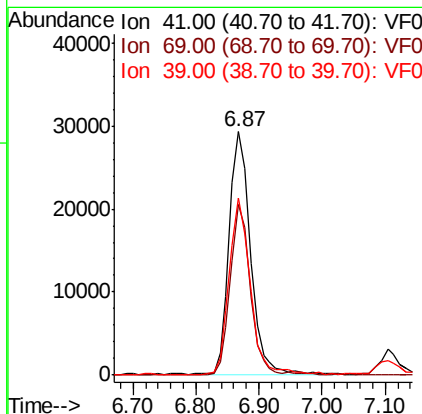
RT: 6.87 min Scan# 643

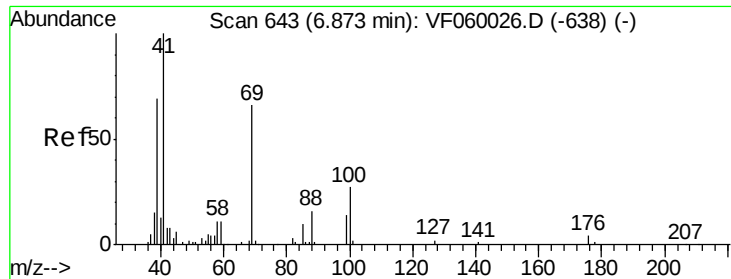
Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tgt Ion:	41	Resp:	69513
Ion Ratio	Lower	Upper	
41	100		
69	70.1	54.6	81.8
39	73.0	56.5	84.7





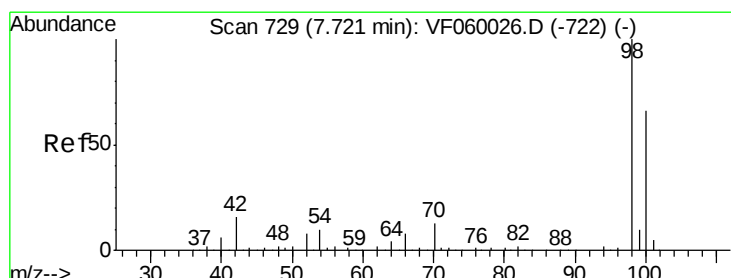
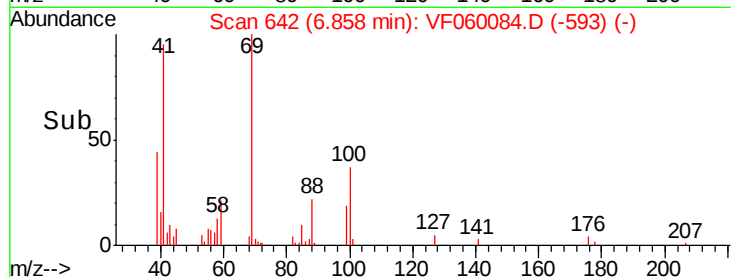
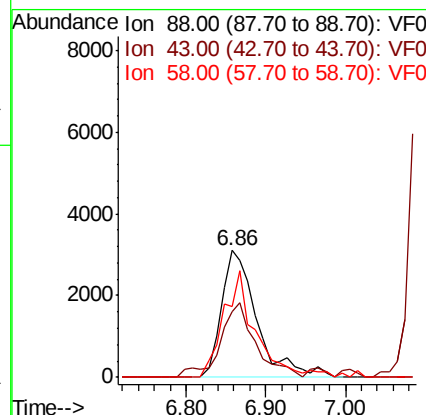
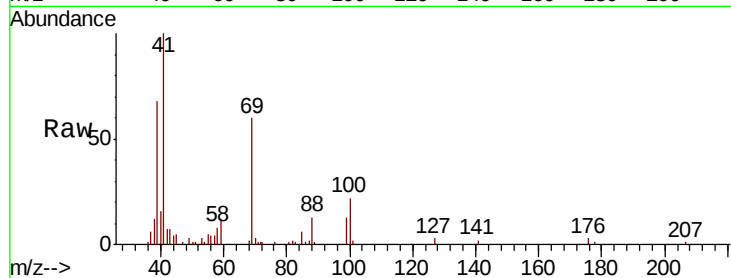
#49
1,4-Dioxane
Concen: 901.39 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	52.0	46.5	69.7
58	56.3	54.8	82.2

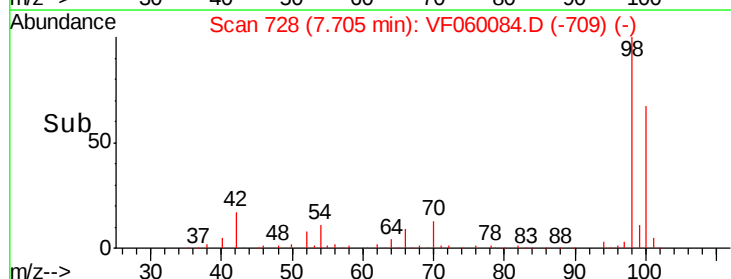
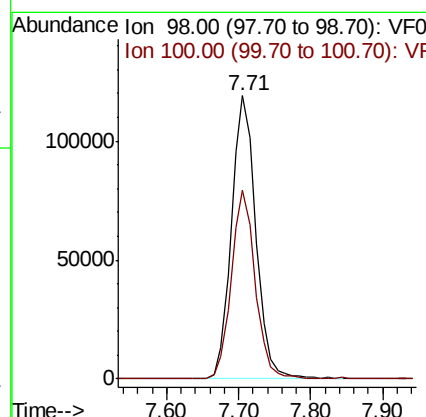
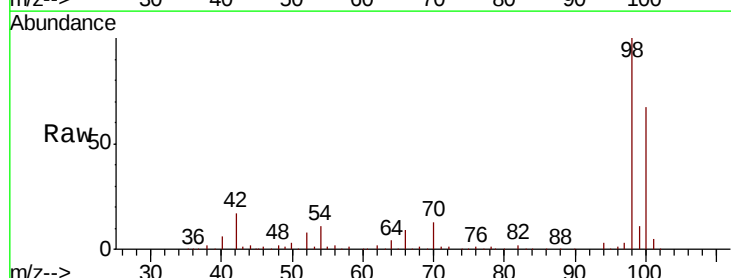
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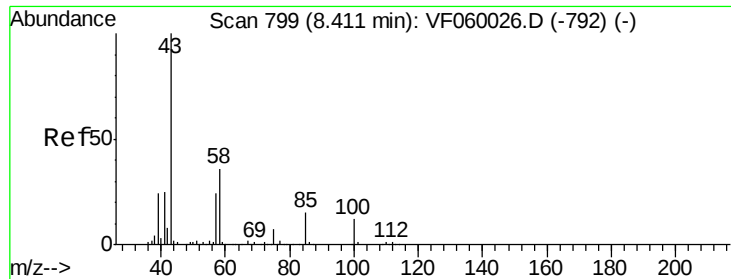
MMDadoda
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#50
Toluene-d8
Concen: 52.66 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 277.03 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion: 43 Resp: 403894

Ion Ratio Lower Upper

43 100

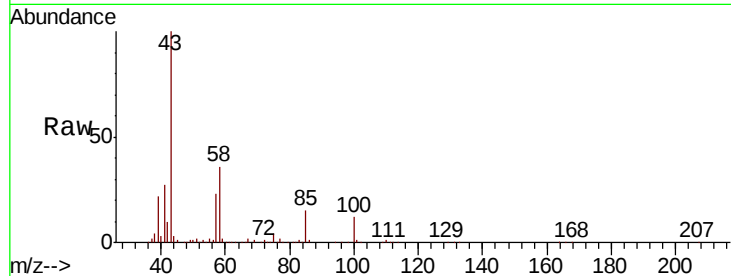
58 36.1 28.6 42.8

Manual Integrations

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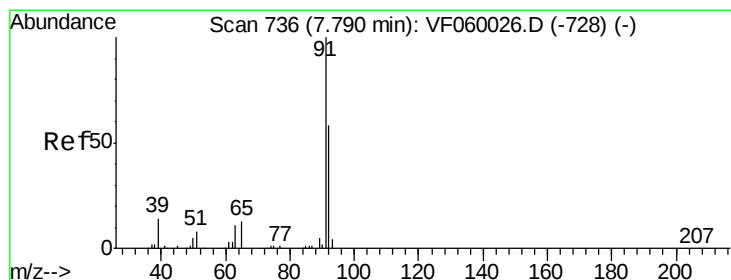
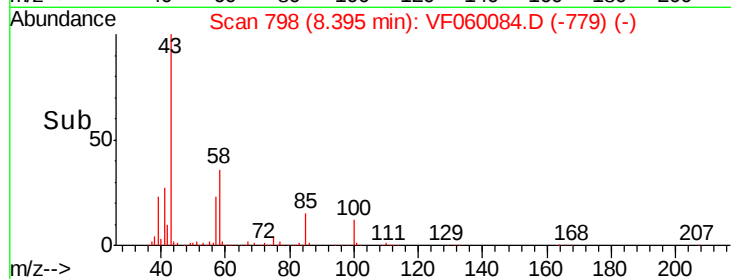
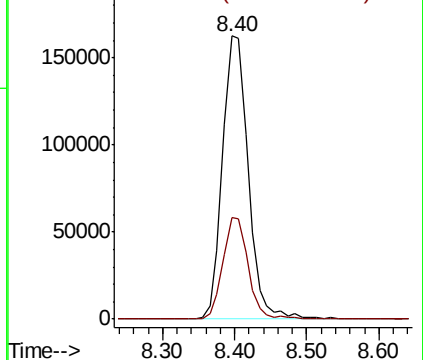
MMDadoda

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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: 59.25 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060084.D

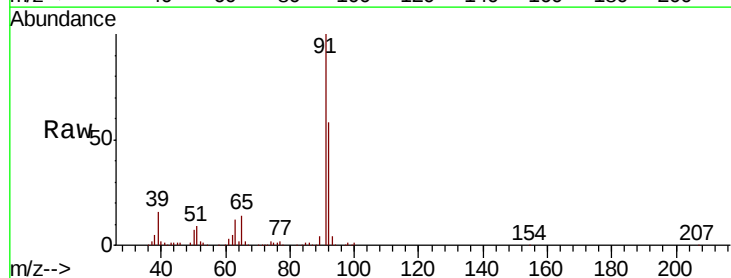
Acq: 24 Aug 2018 7:21

Tgt Ion: 92 Resp: 183883

Ion Ratio Lower Upper

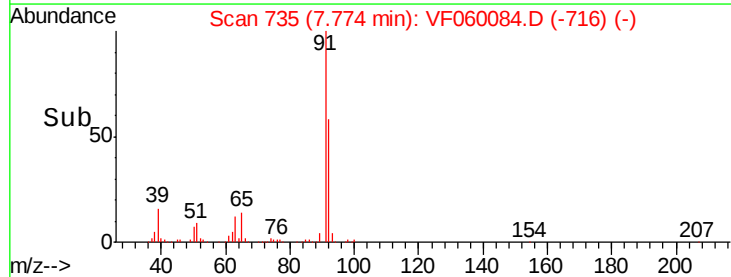
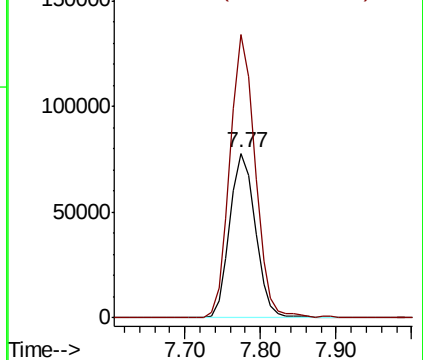
92 100

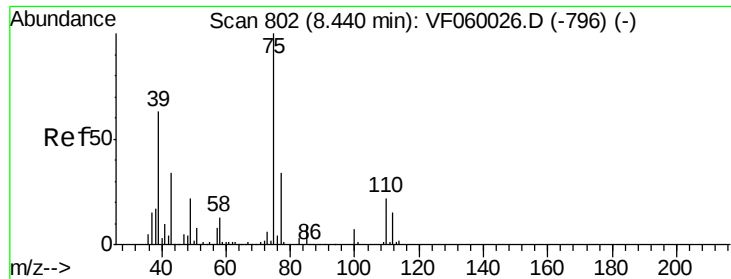
91 171.6 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





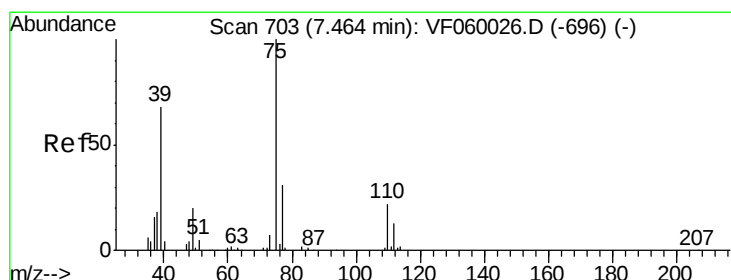
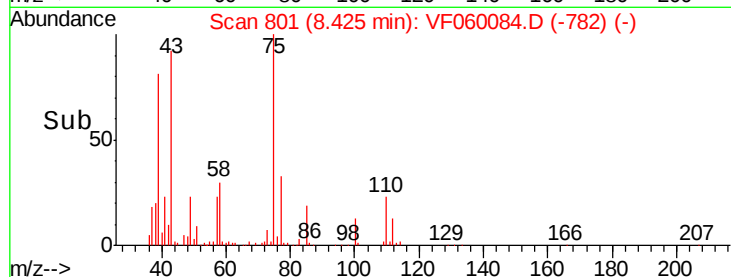
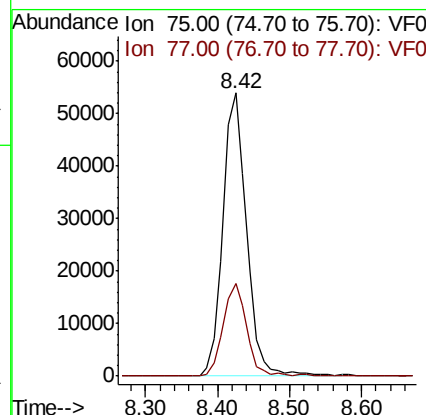
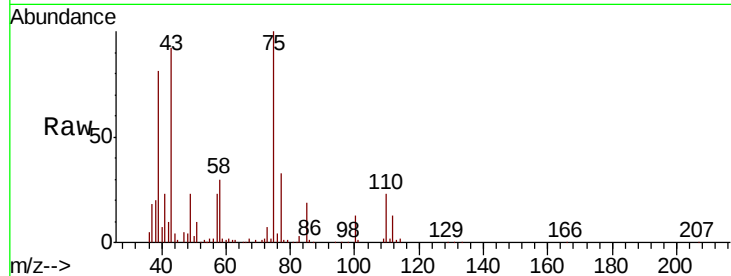
#53
 t-1,3-Dichloropropene
 Concen: 51.58 ug/l
 RT: 8.42 min Scan# 801
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MS

Tot Ion: 75 Resp: 122522
 Ion Ratio Lower Upper
 75 100
 77 32.7 27.4 41.2

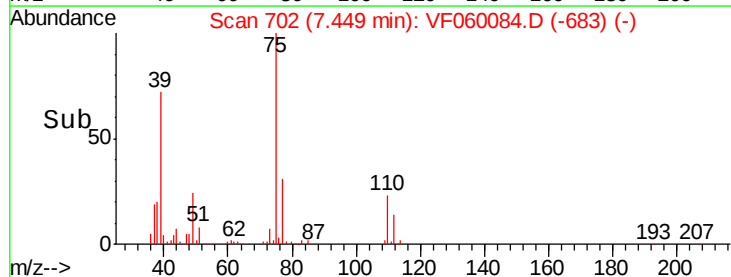
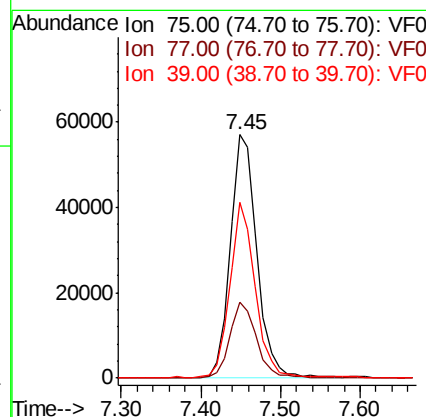
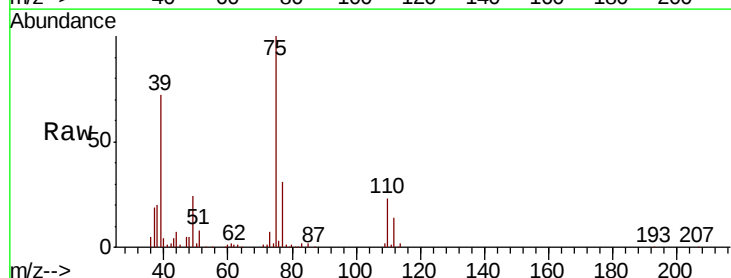
Manual Integrations
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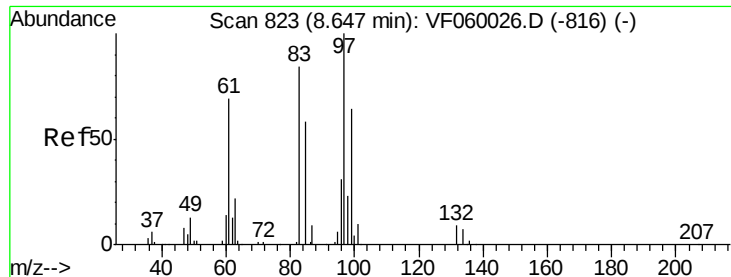
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#54
 cis-1,3-Dichloropropene
 Concen: 50.78 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion: 75 Resp: 134608
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.6 37.0
 39 72.4 54.6 81.8





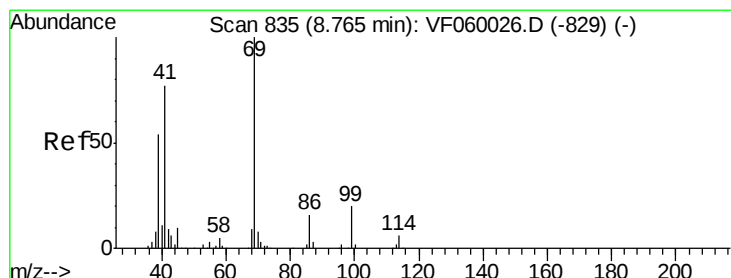
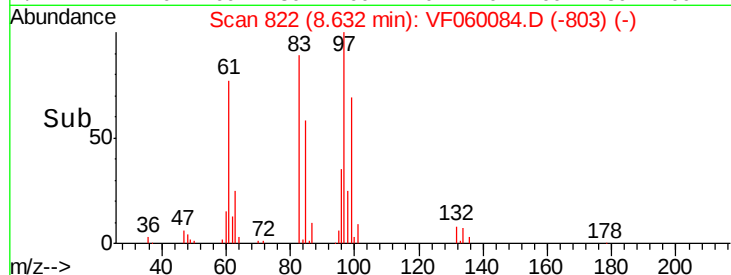
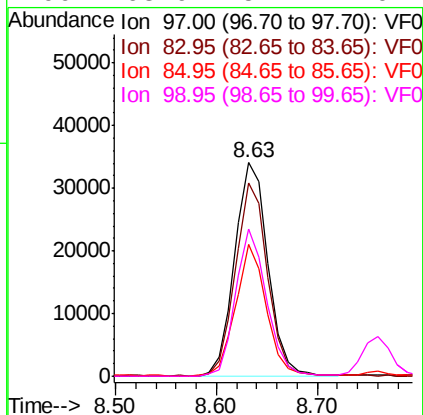
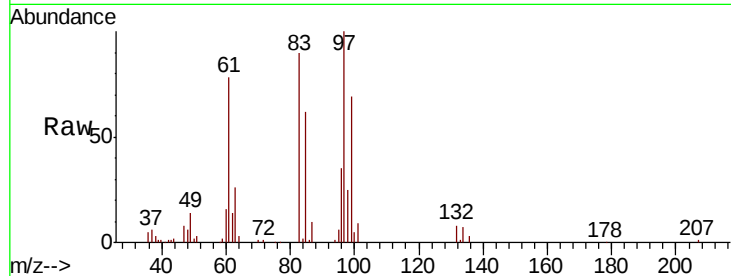
#55
 1,1,2-Trichloroethane
 Concen: 59.37 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MS

Tot Ion:	97	Resp:	78496
Ion	Ratio	Lower	Upper
97	100		
83	90.4	67.4	101.2
85	61.9	46.2	69.2
99	68.9	51.1	76.7

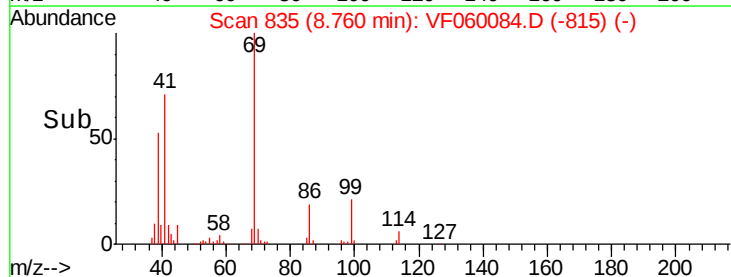
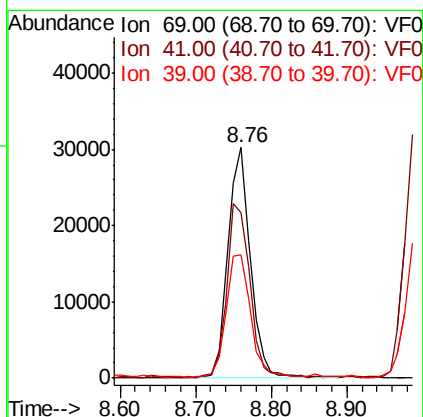
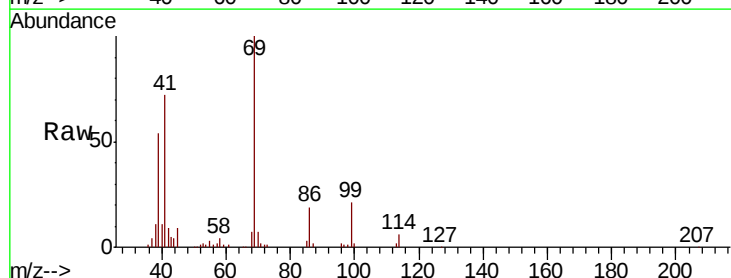
Manual Integrations
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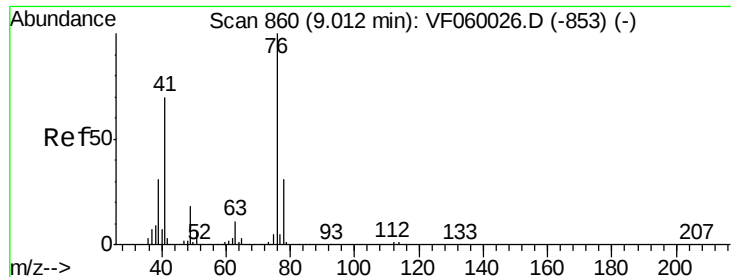
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#56
 Ethyl methacrylate
 Concen: 38.69 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion:	69	Resp:	61919
Ion	Ratio	Lower	Upper
69	100		
41	72.0	61.6	92.4
39	53.8	43.9	65.9





#57

1,3-Dichloropropane

Concen: 55.82 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion: 76 Resp: 129712

Ion Ratio Lower Upper

76 100

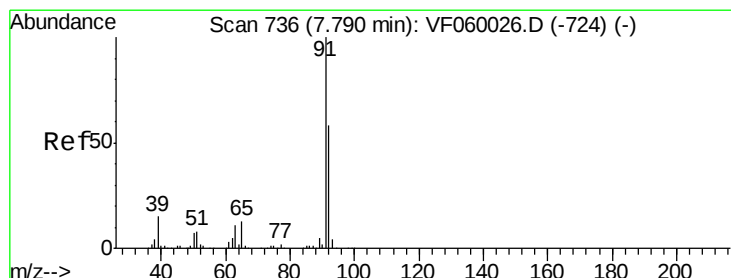
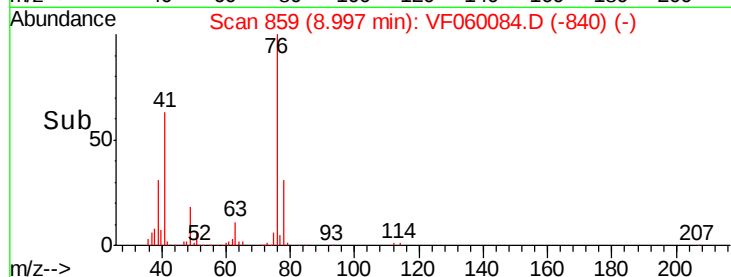
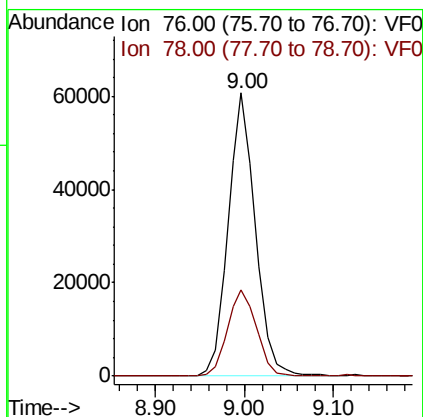
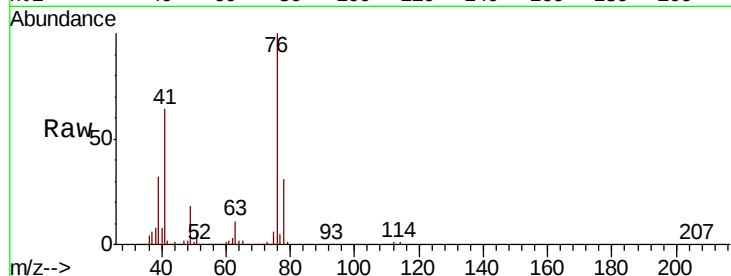
78 30.7 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 266.56 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF060084.D

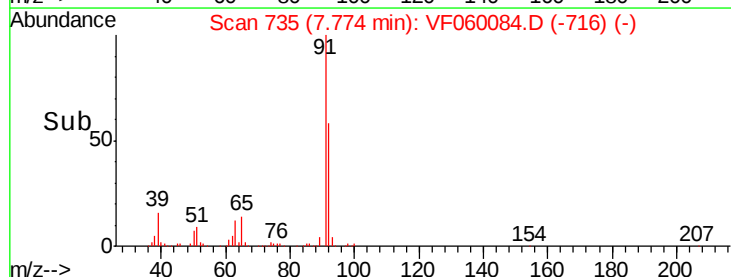
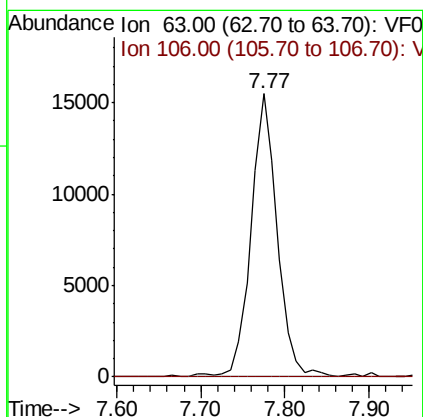
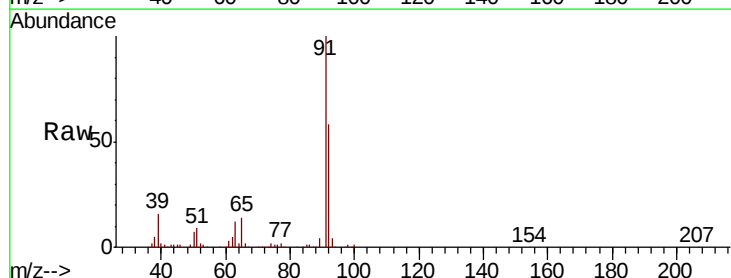
Acq: 24 Aug 2018 7:21

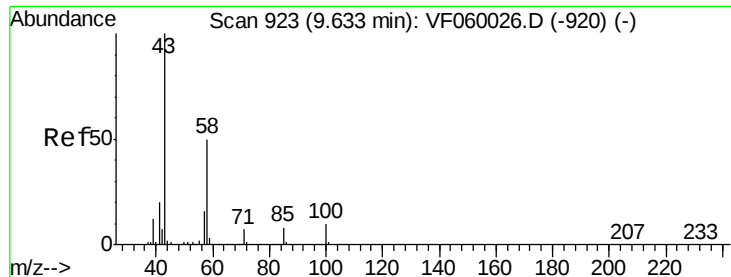
Tgt Ion: 63 Resp: 33858

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





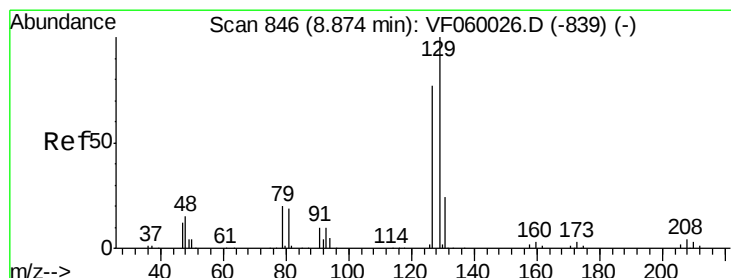
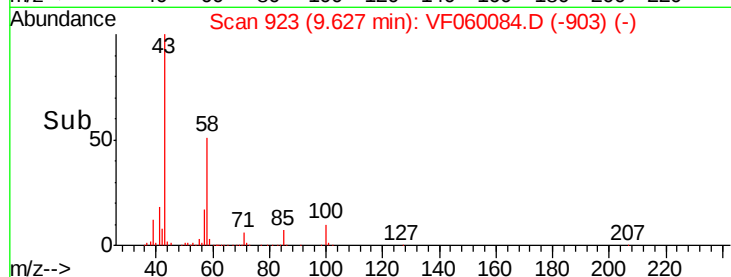
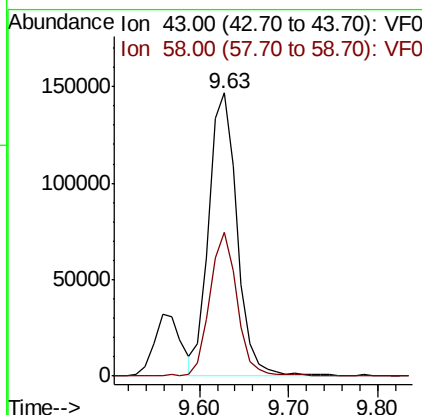
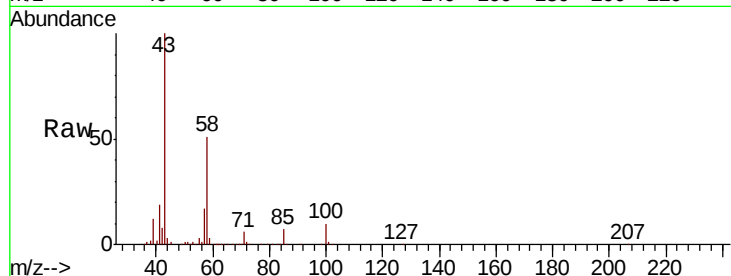
#59
2-Hexanone
Concen: 272.49 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.7	23.4	70.2

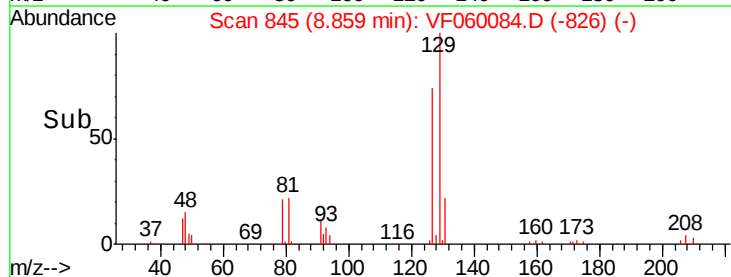
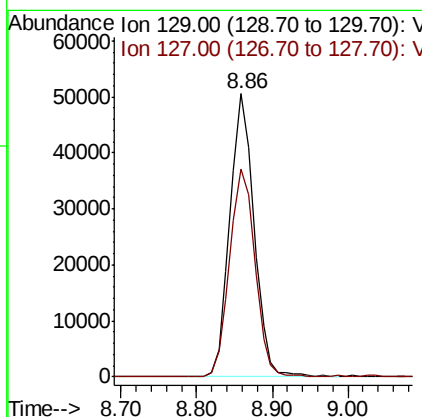
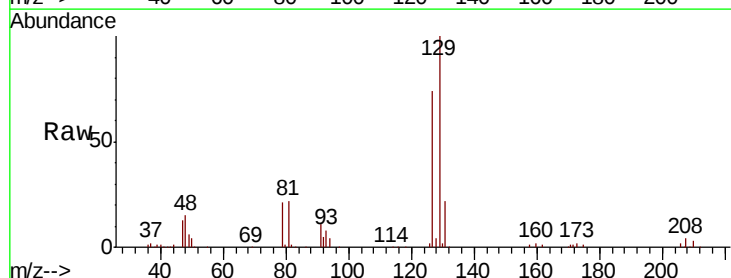
Manual Integrations
APPROVED

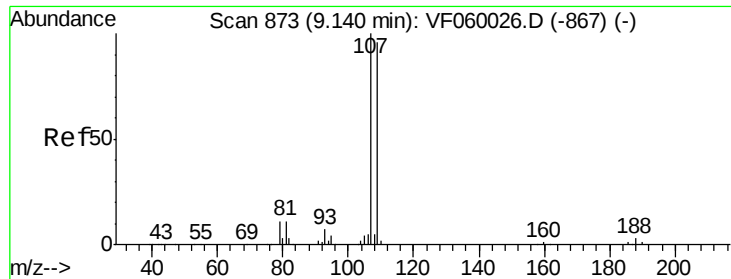
MMDadoda
8/24/2018 4:13:23 PM



#60
Dibromochloromethane
Concen: 57.27 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.5	38.6	115.8





#61

1,2-Dibromoethane

Concen: 55.42 ug/l

RT: 9.13 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion:107 Resp: 86048

Ion Ratio Lower Upper

107 100

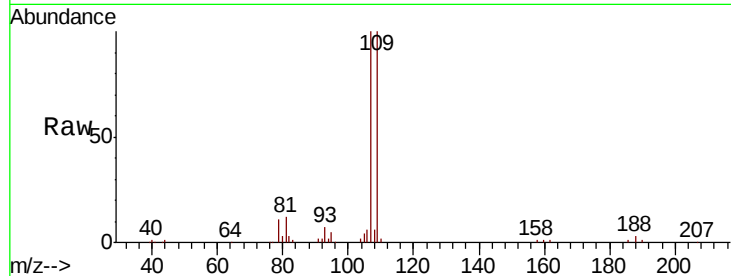
109 99.9 76.5 114.7

Manual Integrations

APPROVED

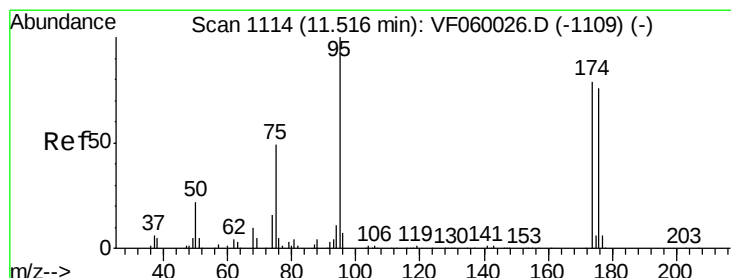
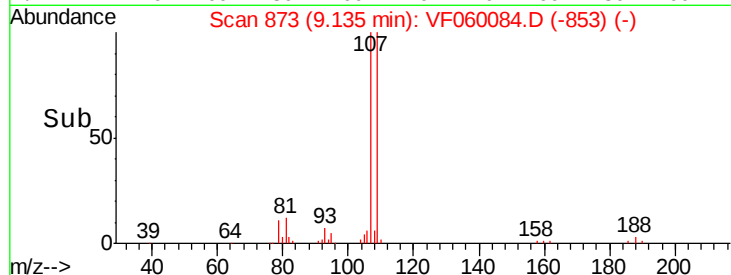
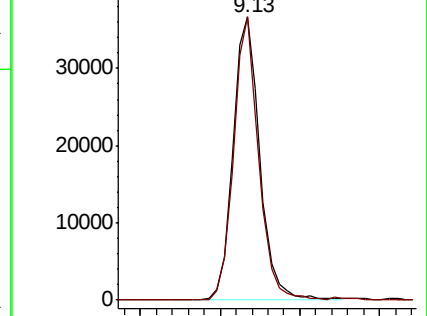
MMDadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 56.25 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

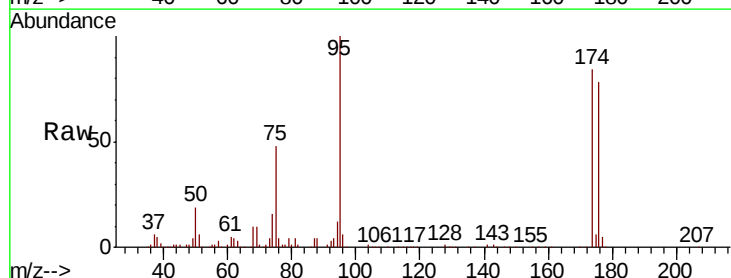
Tgt Ion: 95 Resp: 158376

Ion Ratio Lower Upper

95 100

174 84.1 0.0 158.4

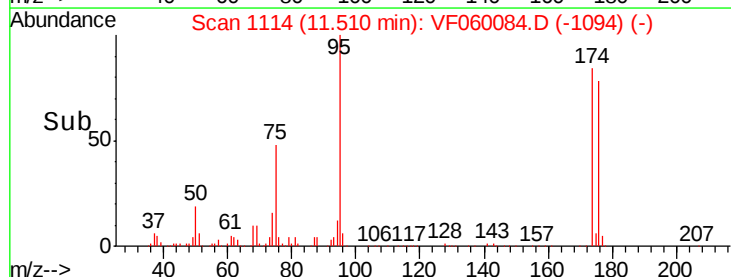
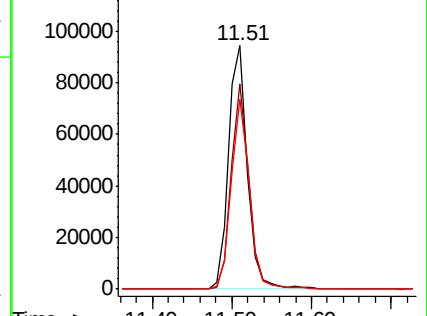
176 78.2 0.0 153.0

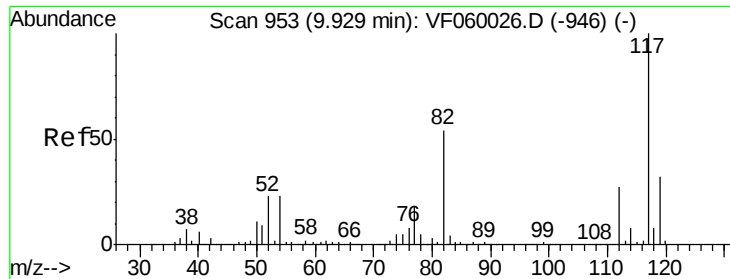


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





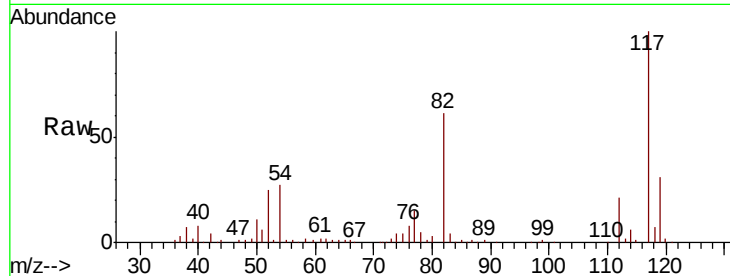
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	259358		
82	60.7	43.6	65.4	
119	30.6	25.6	38.4	

Manual Integrations
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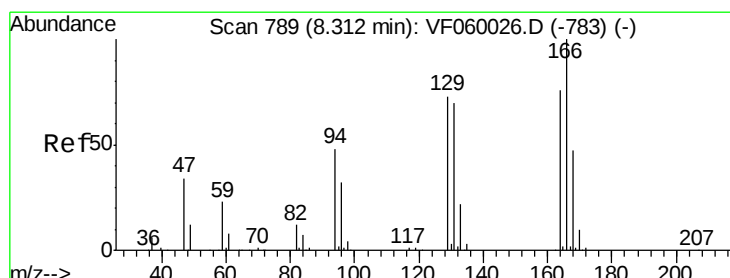
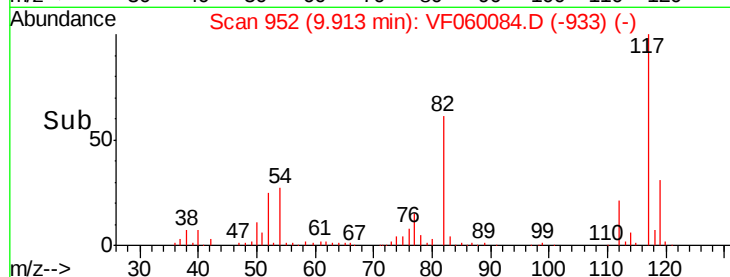
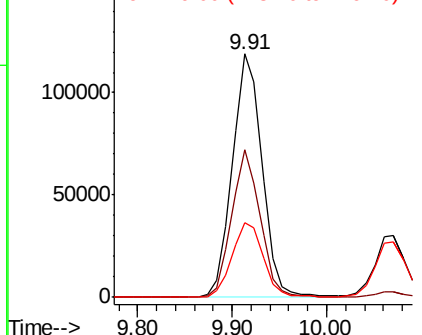


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 55.20 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	96441		
166	130.6	104.7	157.1	
129	102.3	77.0	115.4	
131	97.3	72.9	109.3	

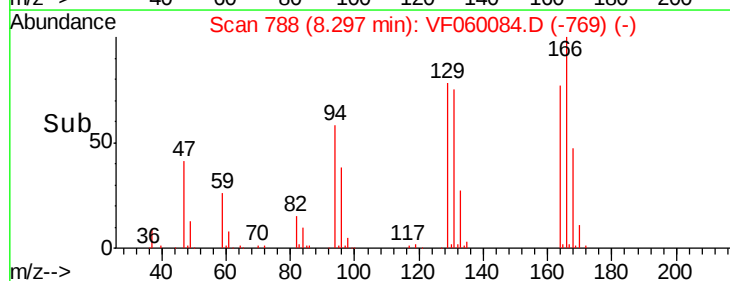
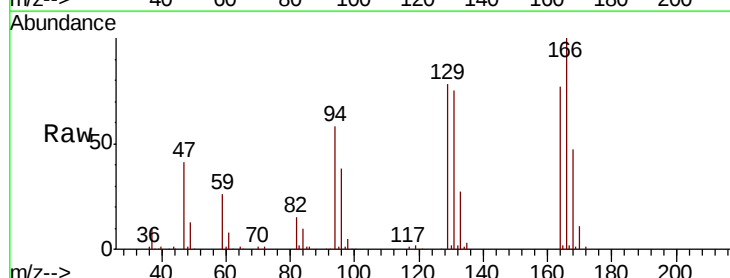
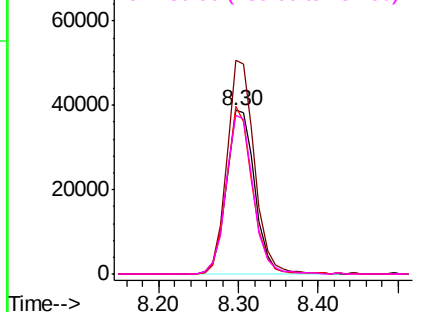
Abundance

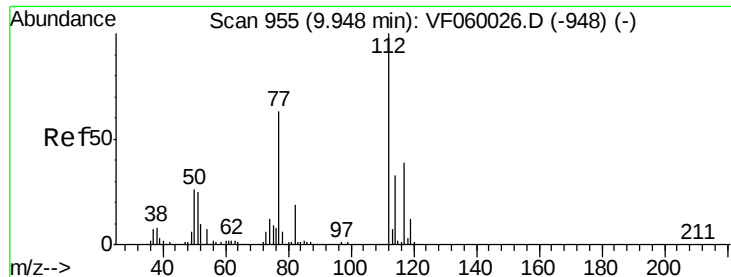
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 50.58 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion:112 Resp: 247697

Ion Ratio Lower Upper

112 100

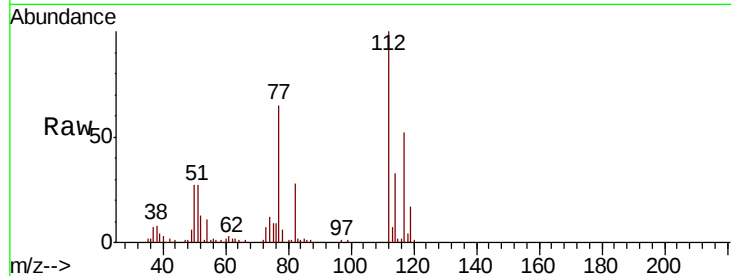
114 32.8 26.2 39.2

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.93

120000

100000

80000

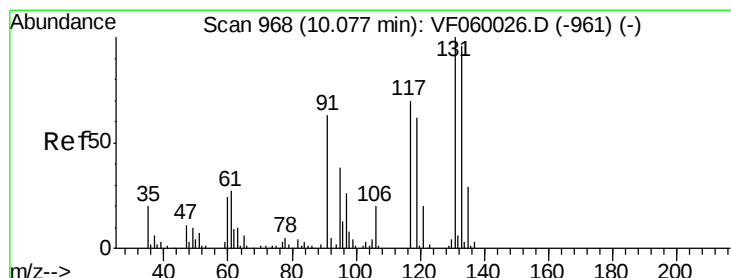
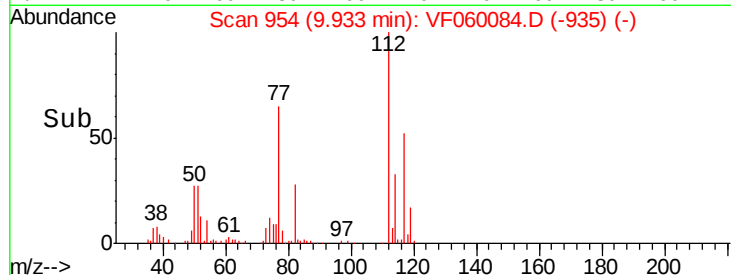
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.09 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

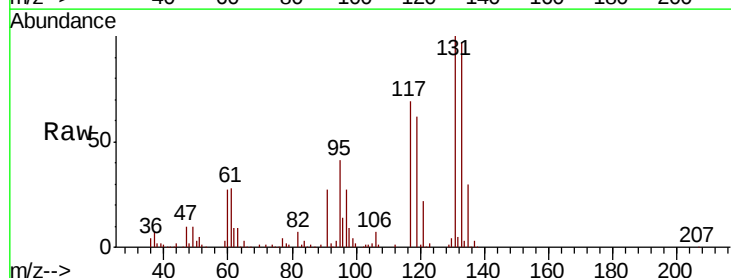
Tgt Ion:131 Resp: 96761

Ion Ratio Lower Upper

131 100

133 96.9 48.2 144.6

119 62.3 31.4 94.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.07

60000

50000

40000

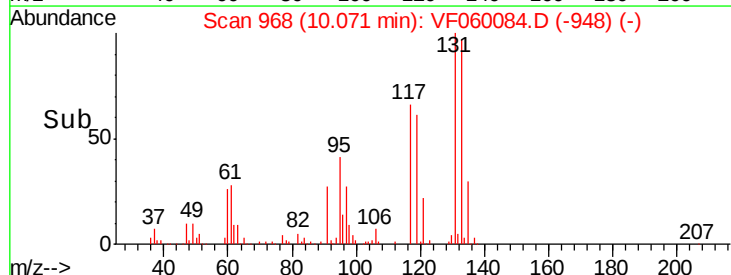
30000

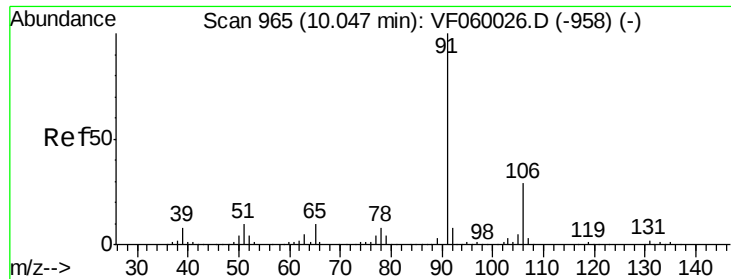
20000

10000

0

Time-->





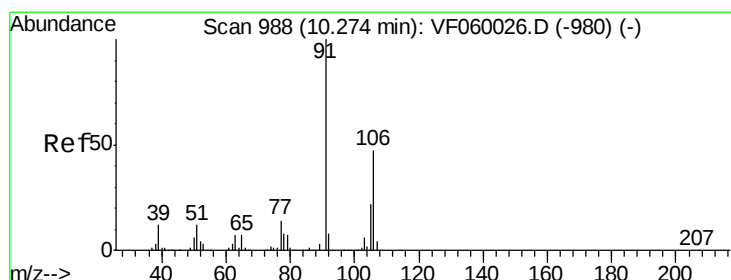
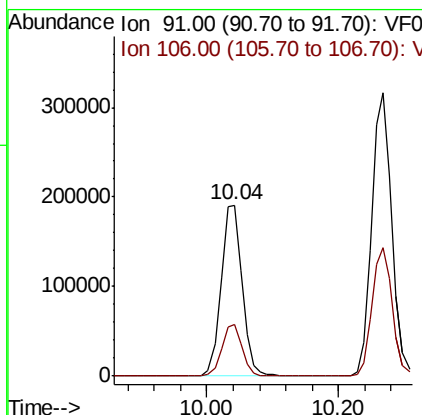
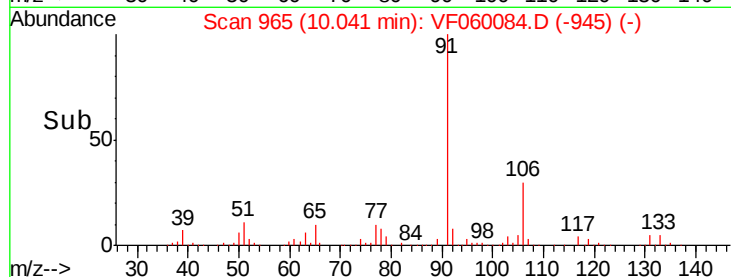
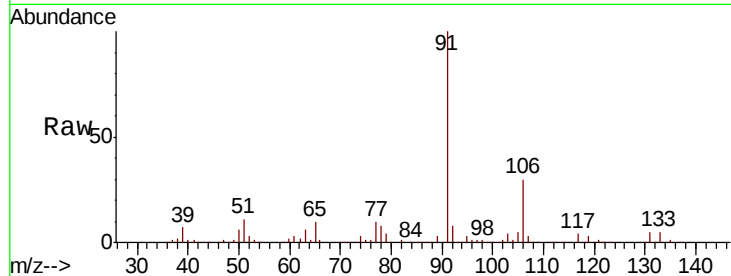
#67
Ethyl Benzene
Concen: 50.67 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion: 91 Resp: 428144
Ion Ratio Lower Upper
91 100
106 30.5 23.6 35.4

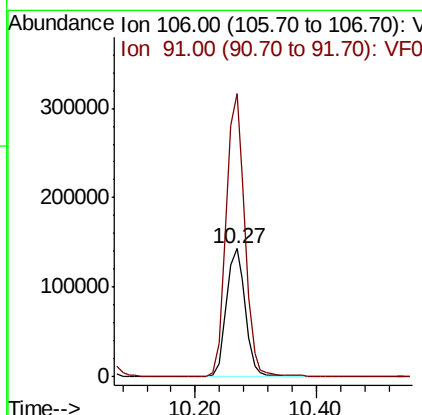
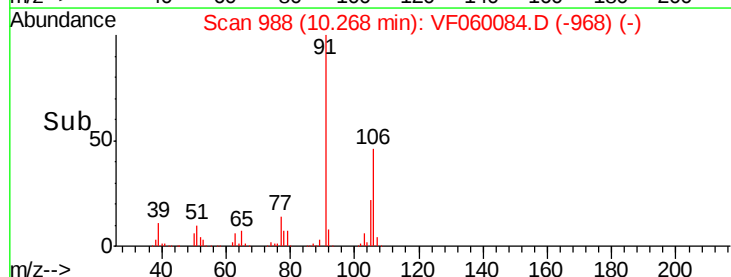
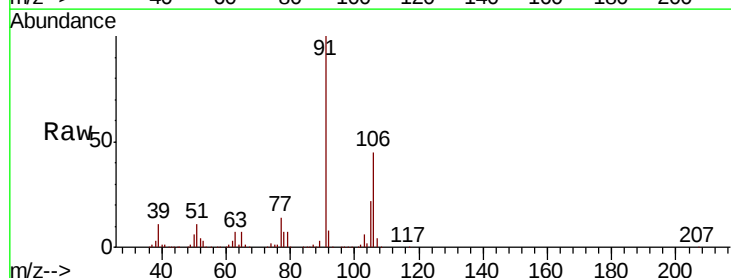
Manual Integrations
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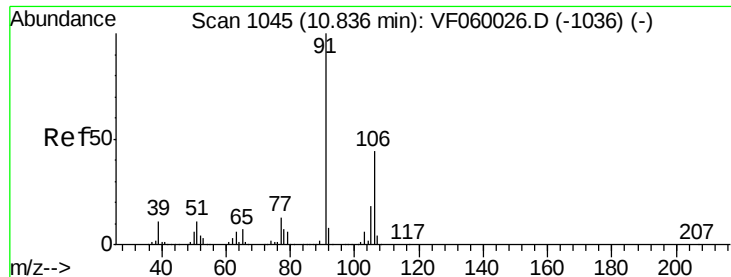
MMDadoda
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#68
m/p-Xylenes
Concen: 114.62 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion: 106 Resp: 312168
Ion Ratio Lower Upper
106 100
91 220.7 171.8 257.8





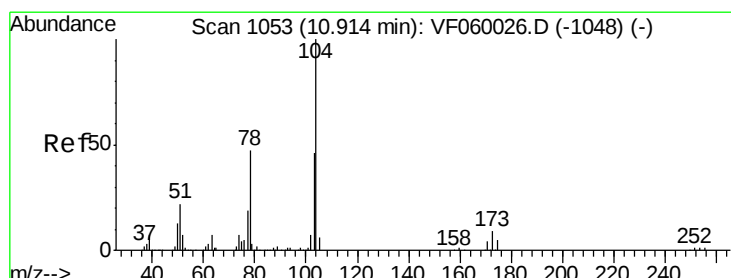
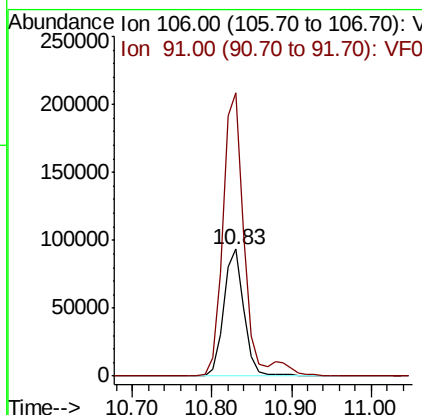
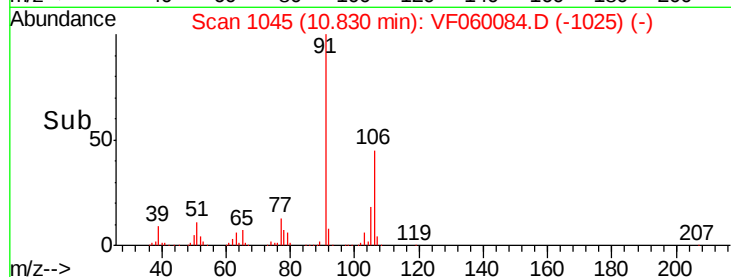
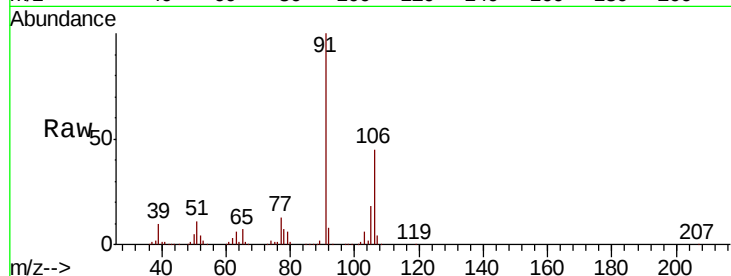
#69
o-Xylene
Concen: 50.82 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	168268		
91	91	223.4	112.5	337.5	

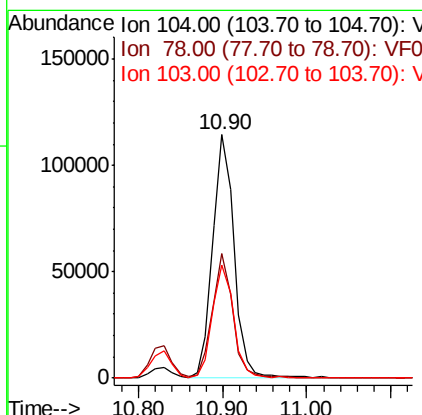
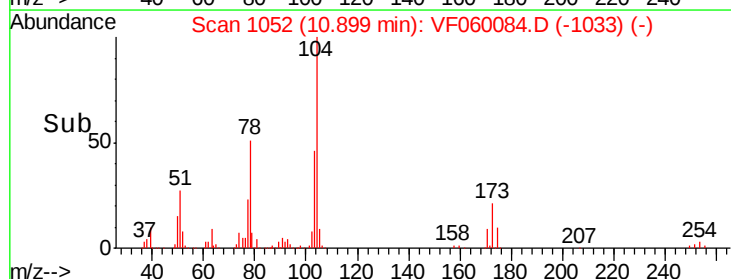
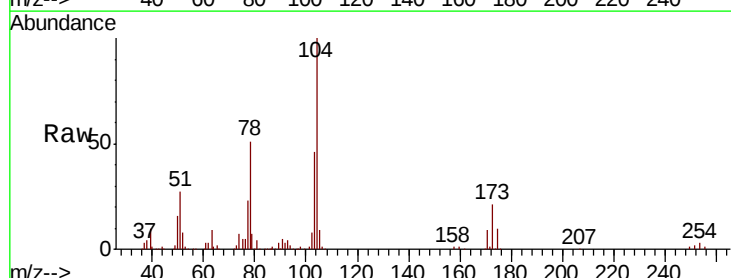
Manual Integrations
APPROVED

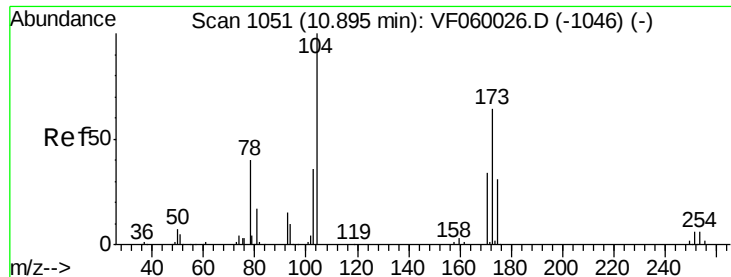
MMDadoda
8/24/2018 4:13:23 PM



#70
Styrene
Concen: 39.95 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	202926		
78	78	51.2	38.0	57.0	
103	103	46.4	37.6	56.4	





#71

Bromoform

Concen: 55.30 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

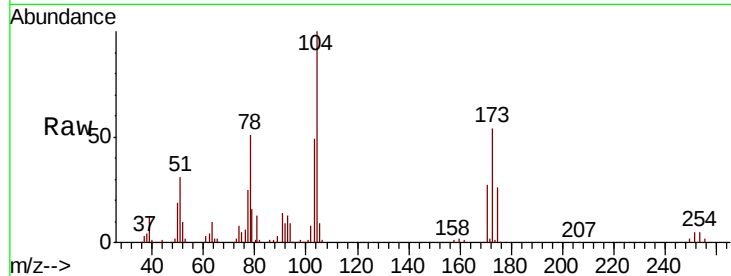
ClientSampleId :

EP1-Q3-C2MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.7	74.1
254	0.3	0.0	0.0

Manual Integrations
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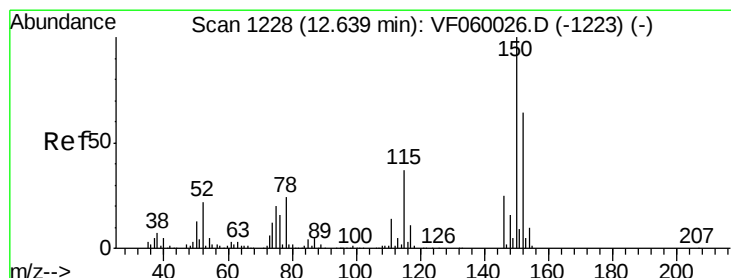
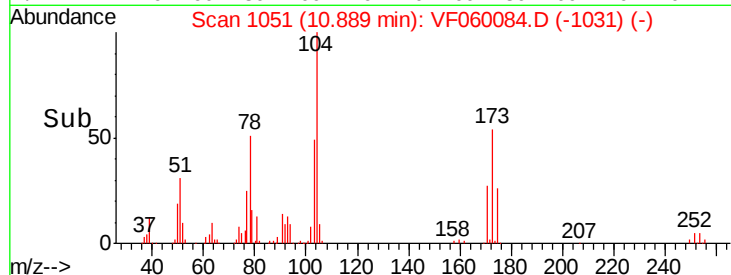
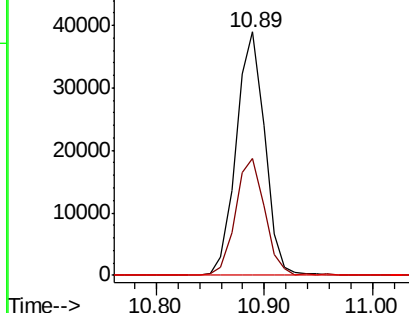


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

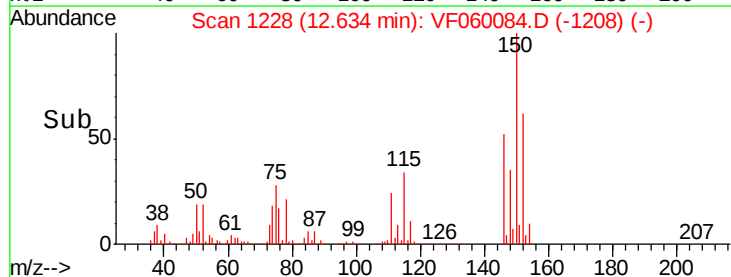
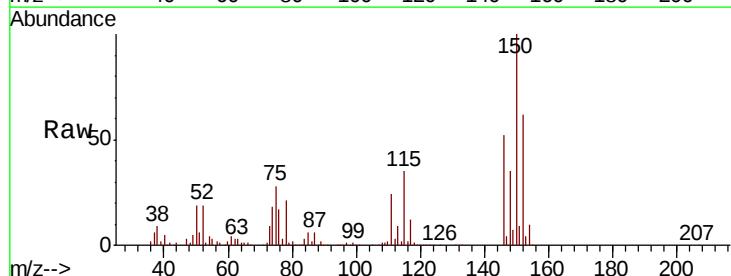
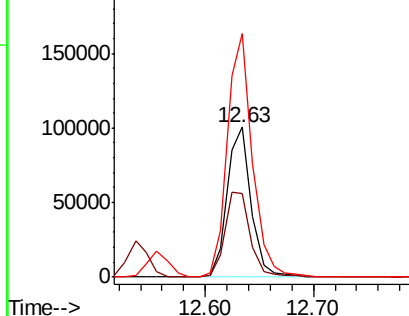
Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.6	85.9
150	162.6	0.0	312.0

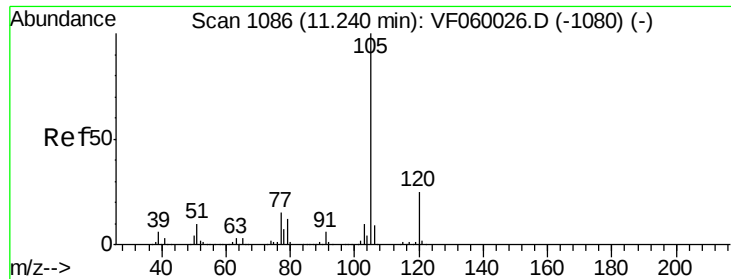
Abundance

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: 53.85 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion: 105 Resp: 503425

Ion Ratio Lower Upper

105 100

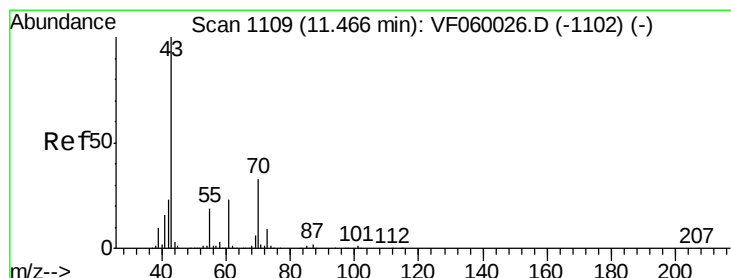
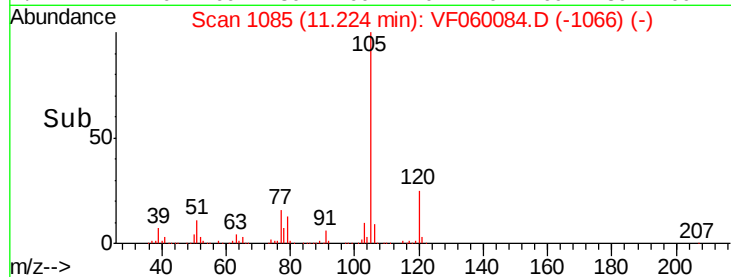
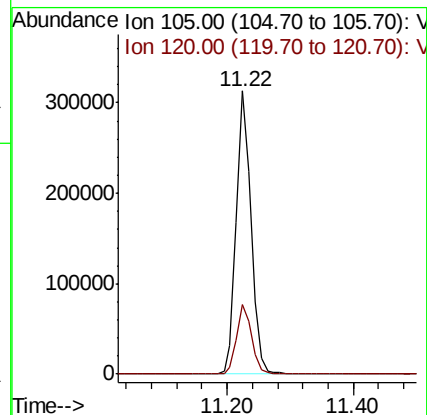
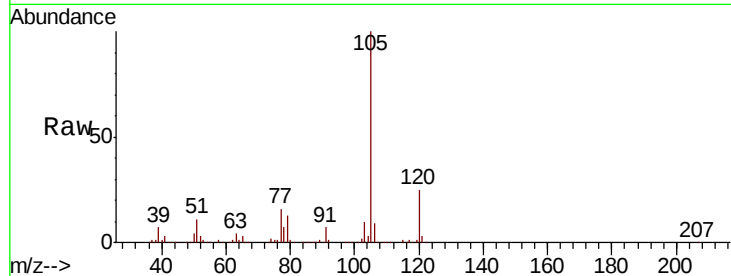
120 24.6 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 29.88 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tgt Ion: 43 Resp: 86834

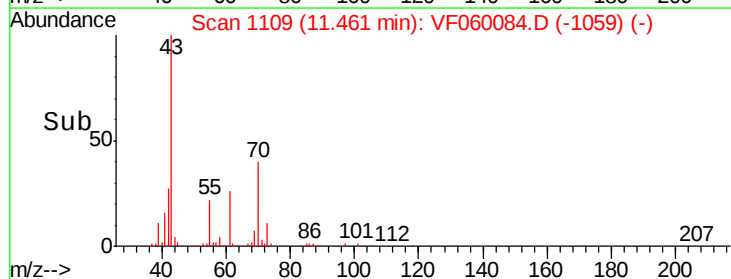
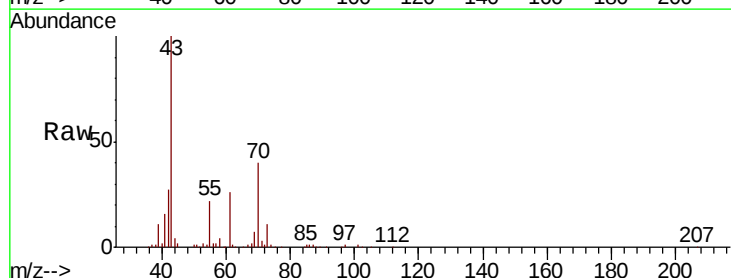
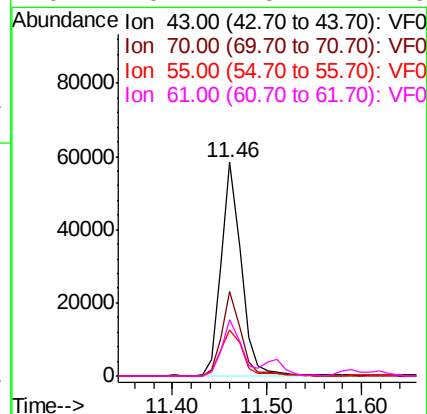
Ion Ratio Lower Upper

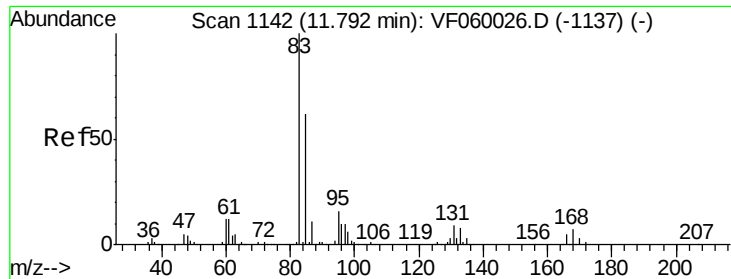
43 100

70 39.7 26.4 39.6#

55 21.9 15.0 22.4

61 26.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 60.26 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

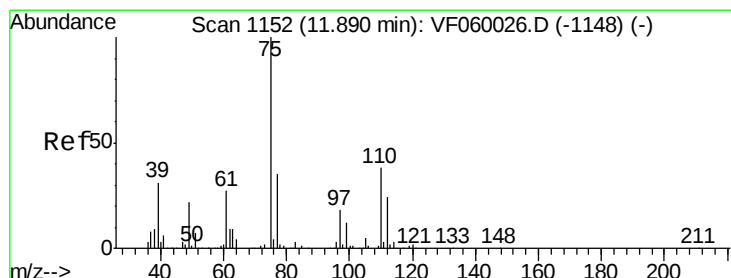
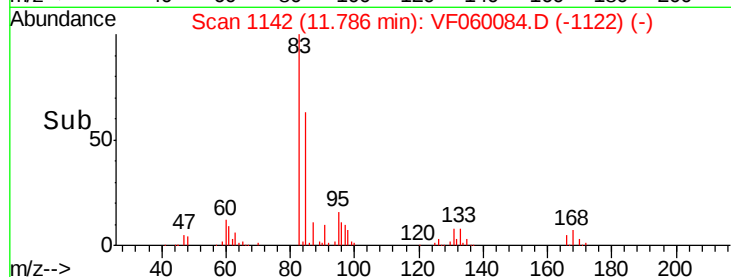
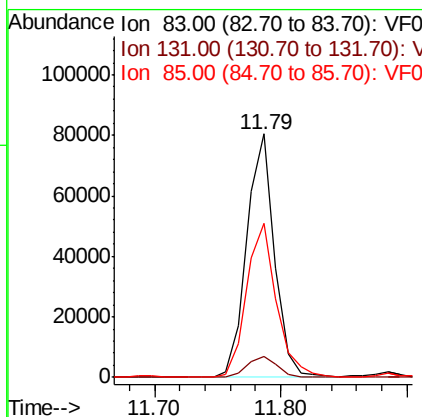
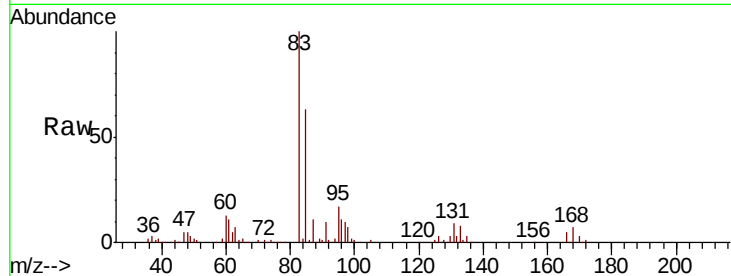
ClientSampleId :

EP1-Q3-C2MS

Tot Ion:	83	Resp:	123046
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.5	13.7
85	63.1	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 58.97 ug/l

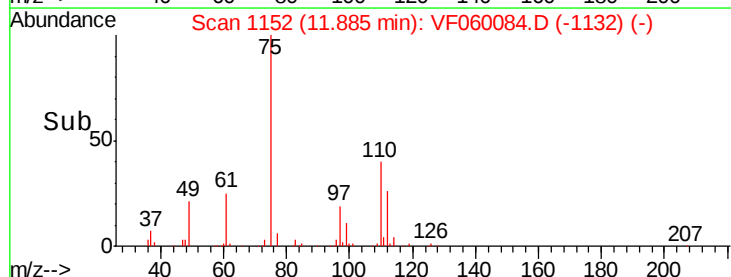
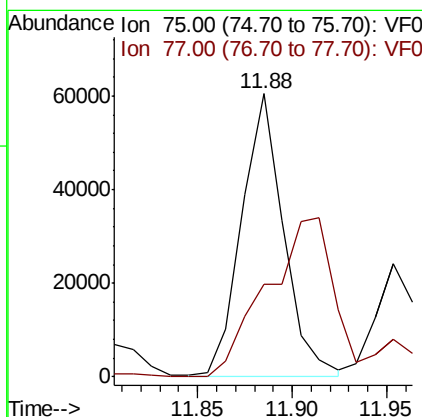
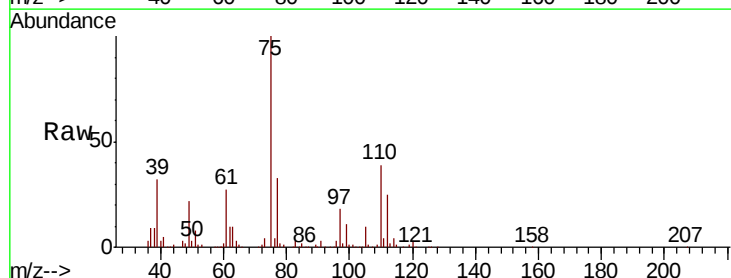
RT: 11.88 min Scan# 1152

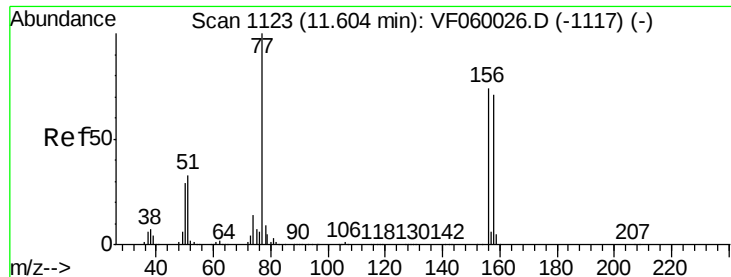
Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tgt Ion:	75	Resp:	93379
Ion Ratio	Lower	Upper	
75	100		
77	33.0	17.3	52.0





#77

Bromobenzene

Concen: 51.95 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion: 156 Resp: 132082

Ion Ratio Lower Upper

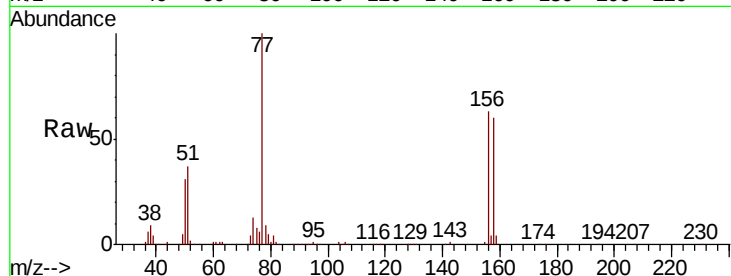
156 100

77 159.7 68.0 204.0

158 95.5 48.4 145.3

Manual Integrations
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V

150000

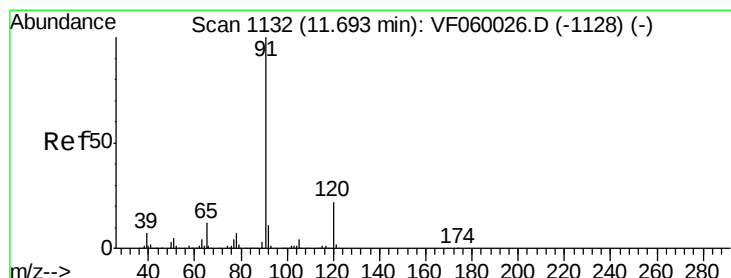
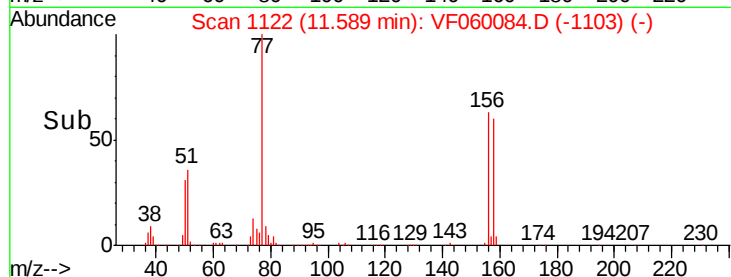
100000

50000

0

11.50 11.60 11.70

Time-->



#78

n-propylbenzene

Concen: 53.04 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060084.D

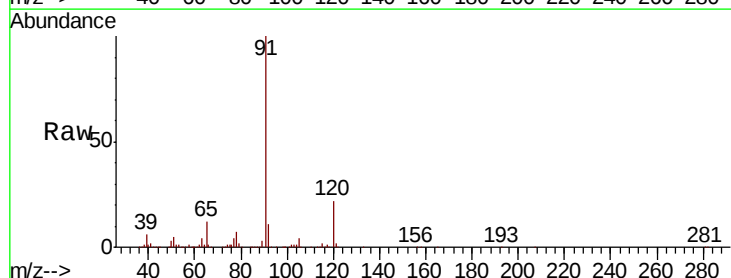
Acq: 24 Aug 2018 7:21

Tgt Ion: 91 Resp: 612029

Ion Ratio Lower Upper

91 100

120 21.9 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

400000

300000

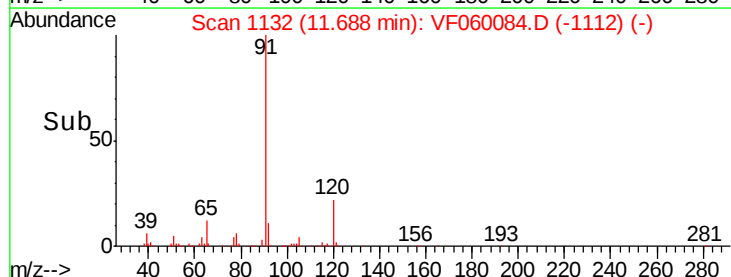
200000

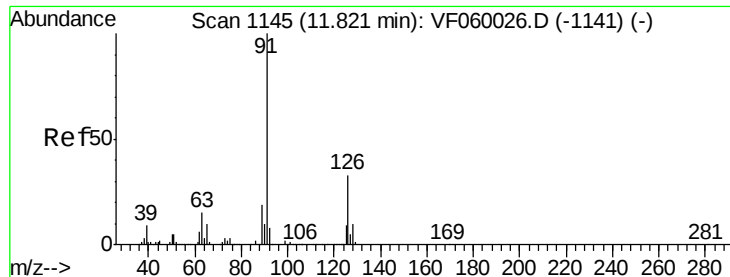
100000

0

11.60 11.70 11.80

Time-->





#79

2-Chlorotoluene

Concen: 50.66 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MS

Tot Ion: 91 Resp: 343763

Ion Ratio Lower Upper

91 100

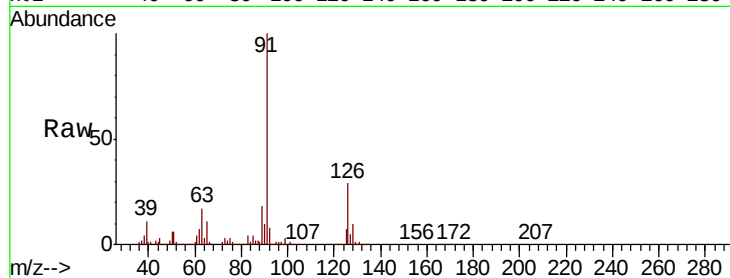
126 29.2 16.6 49.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF060026.D (-1141) (-)

Ion 126.00 (125.70 to 126.70): VF060026.D (-1141) (-)

11.81

200000

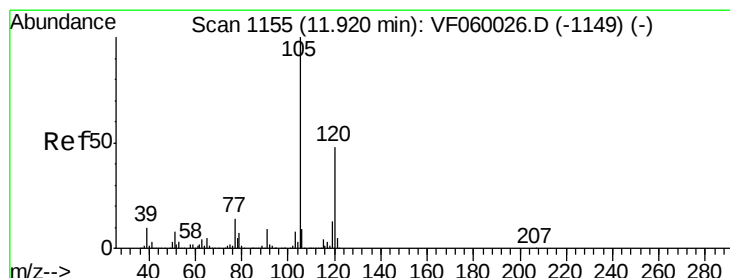
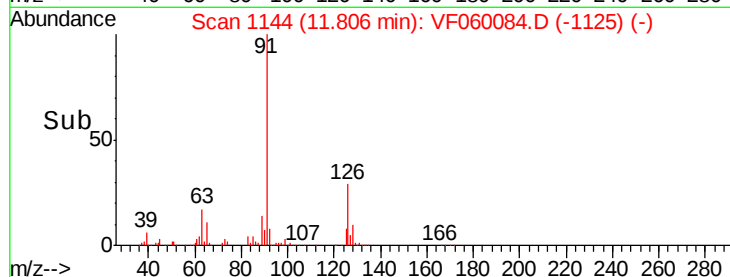
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.77 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF060084.D

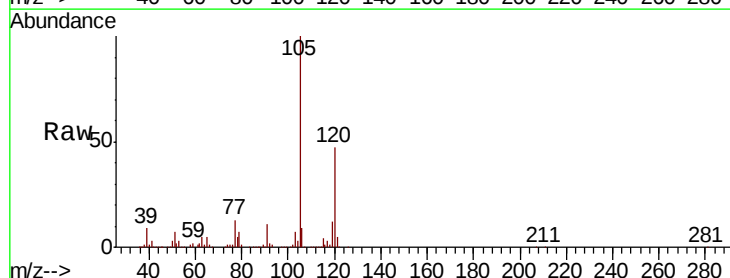
Acq: 24 Aug 2018 7:21

Tgt Ion: 105 Resp: 413573

Ion Ratio Lower Upper

105 100

120 46.5 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VF060026.D (-1149) (-)

Ion 120.00 (119.70 to 120.70): VF060026.D (-1149) (-)

11.91

300000

250000

200000

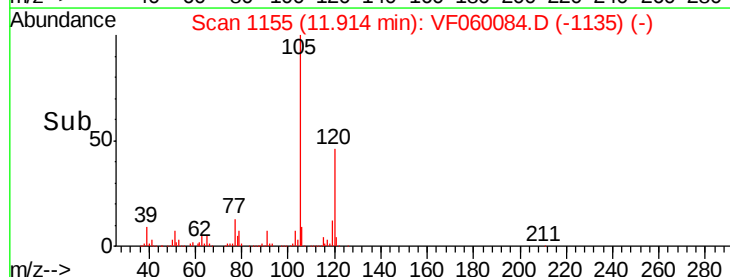
150000

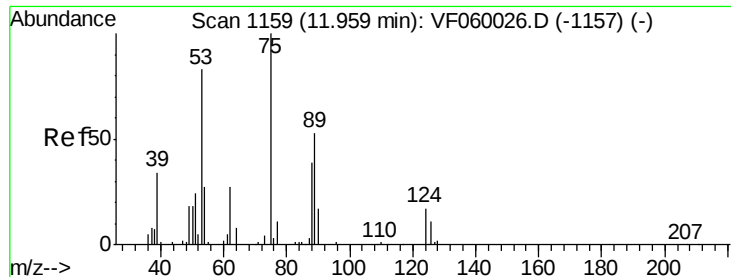
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.27 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

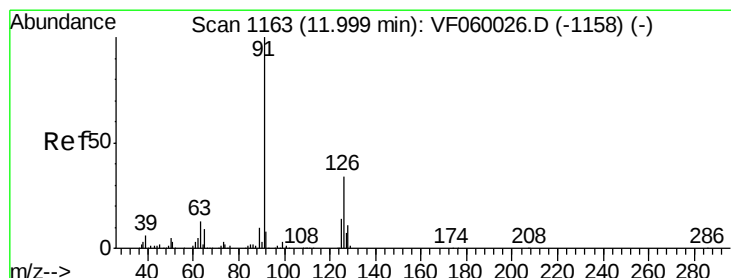
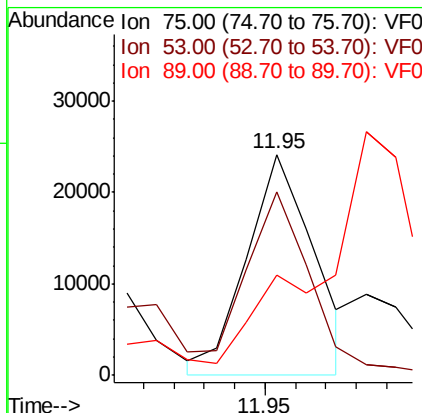
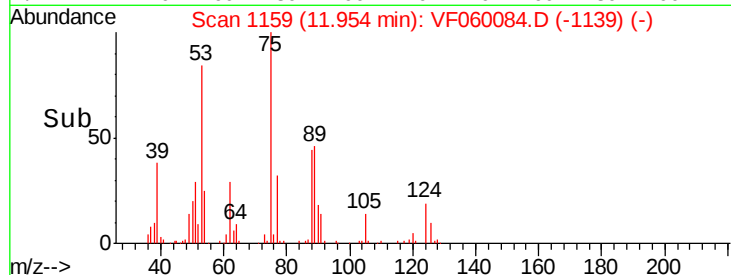
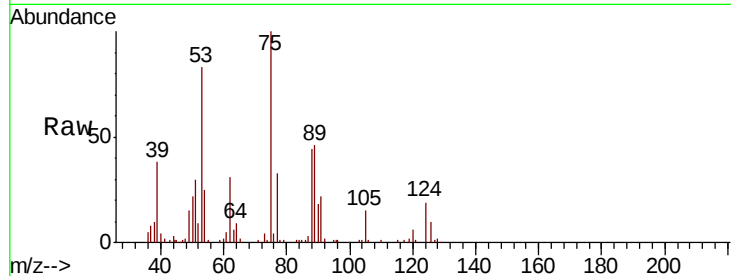
ClientSampleId :

EP1-Q3-C2MS

Tot Ion:	75	Resp:	37146
Ion Ratio	Lower	Upper	
75	100		
53	83.4	66.2	99.4
89	45.6	42.8	64.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.31 ug/l

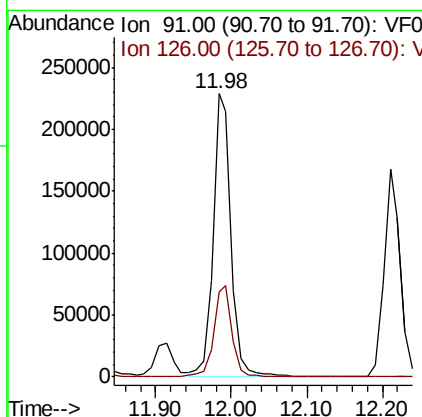
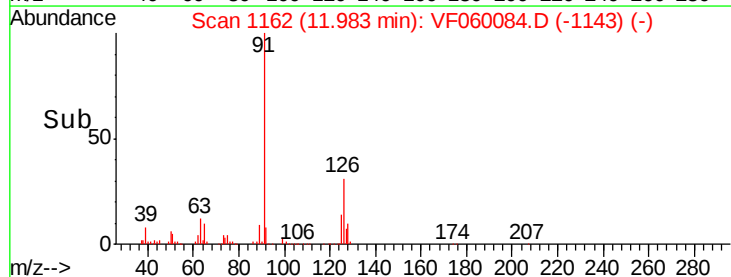
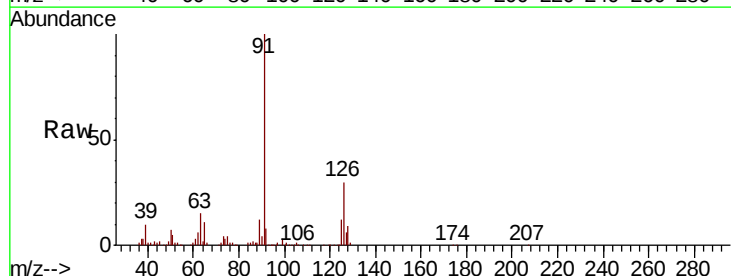
RT: 11.98 min Scan# 1162

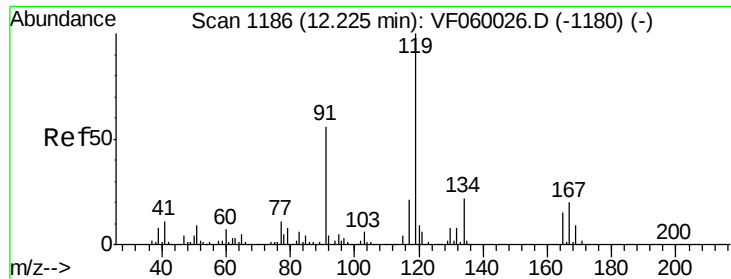
Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tgt Ion:	91	Resp:	378016
Ion Ratio	Lower	Upper	
91	100		
126	30.0	17.0	50.9





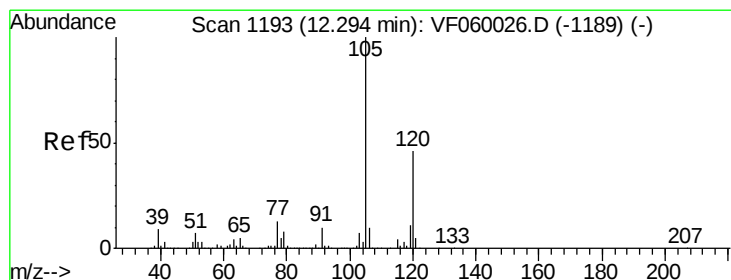
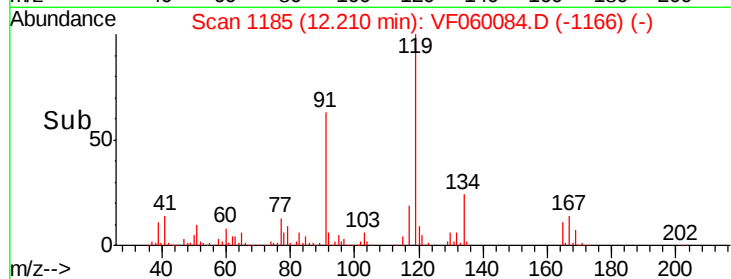
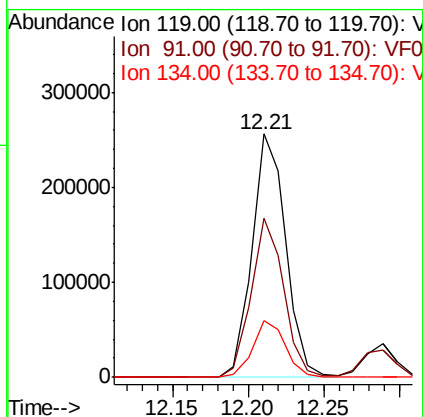
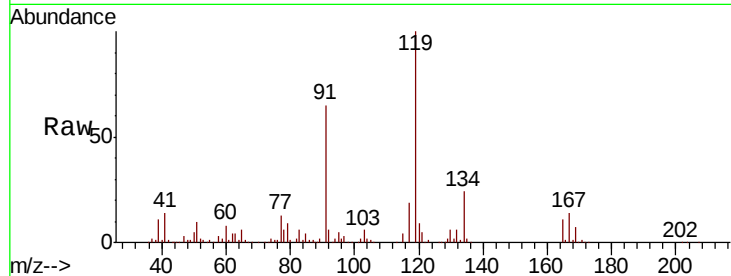
#83
 tert-Butylbenzene
 Concen: 50.15 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	398447		
91	65.4	28.1	84.3	
134	23.5	11.1	33.3	

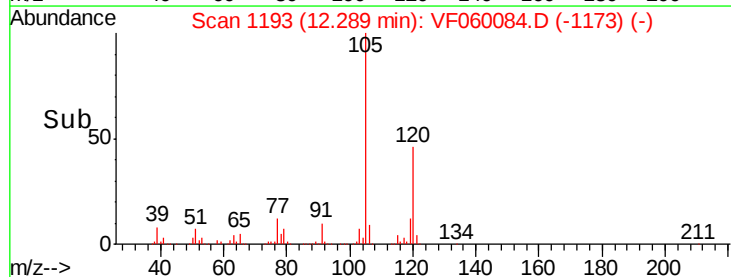
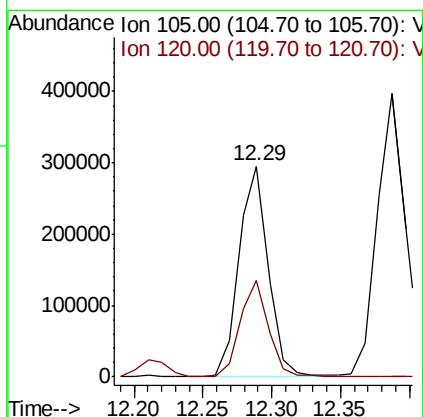
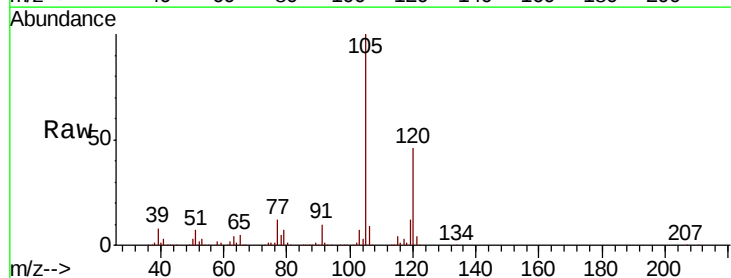
Manual Integrations
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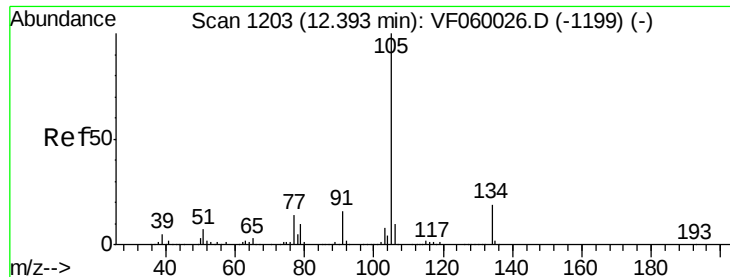
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.78 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	439747		
120	45.6	23.3	69.8	





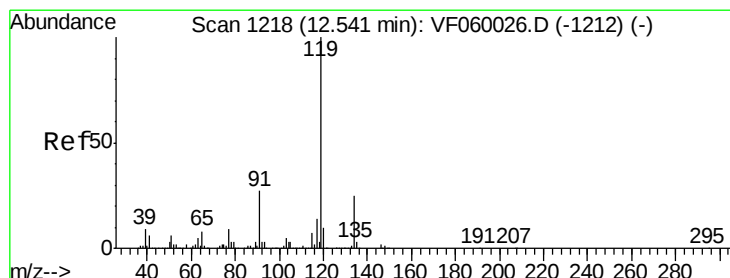
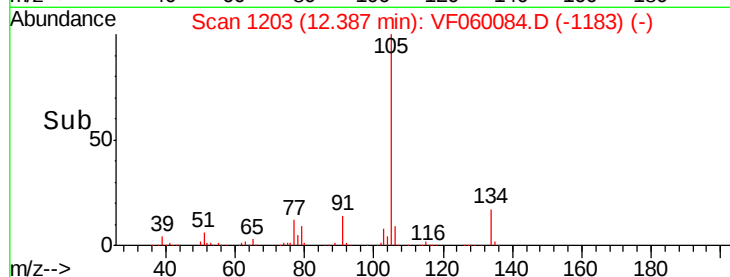
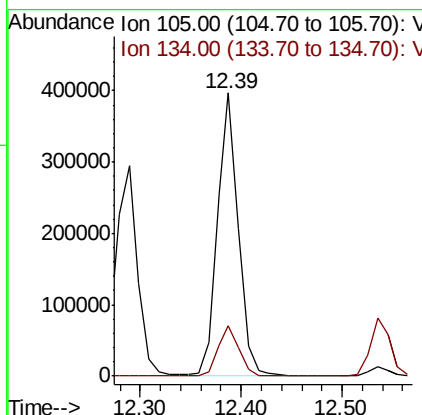
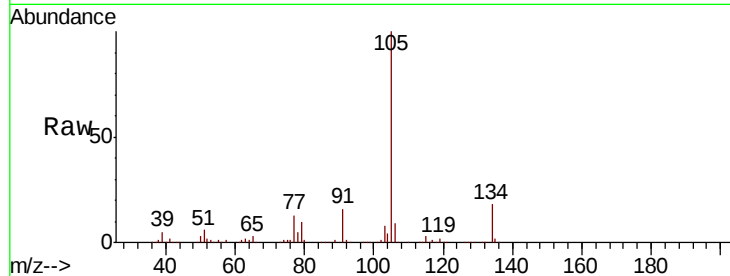
#85
 sec-Butylbenzene
 Concen: 51.57 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.8	9.3	27.9

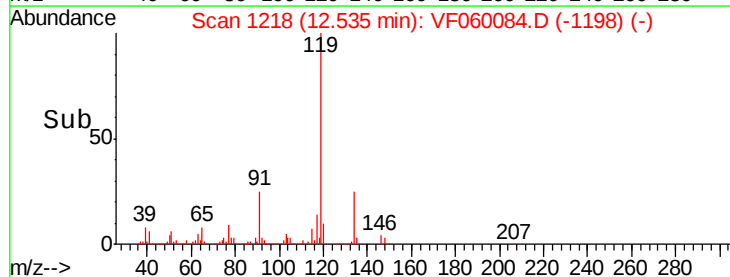
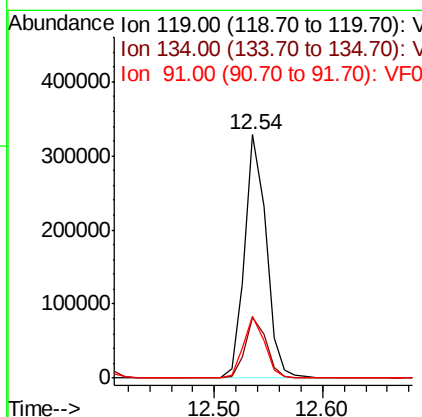
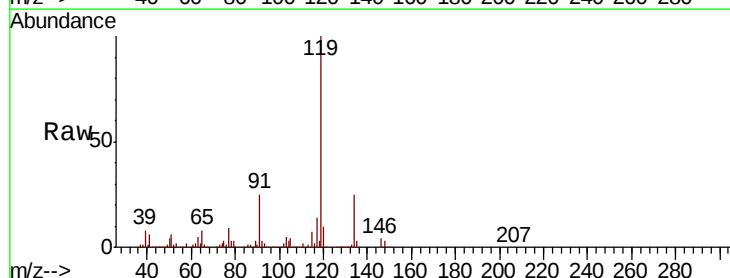
Manual Integrations
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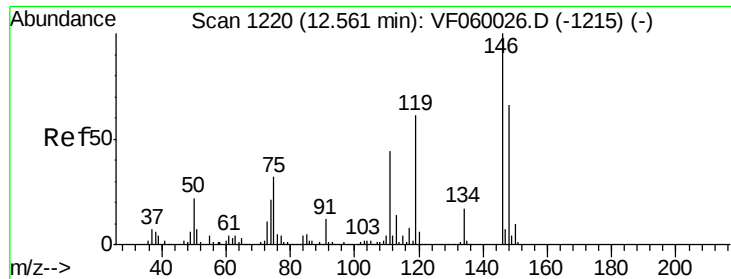
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#86
 p-Isopropyltoluene
 Concen: 49.96 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.4	37.2
91	25.4	13.5	40.4





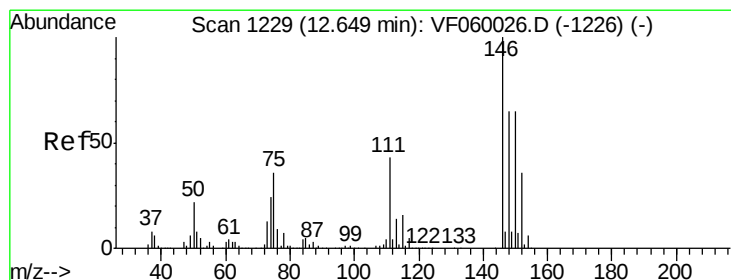
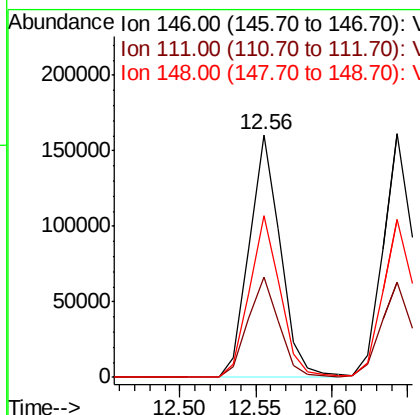
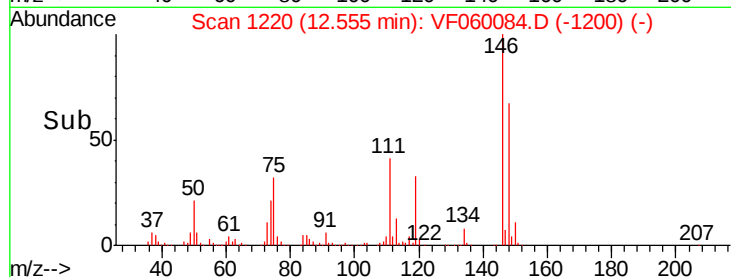
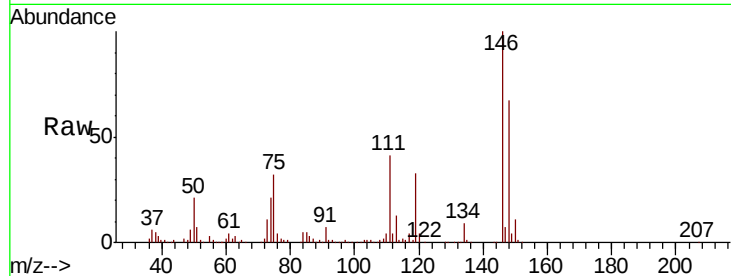
#87
 1,3-Dichlorobenzene
 Concen: 49.38 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MS

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	41.4	21.9	65.5
148	66.6	32.9	98.7

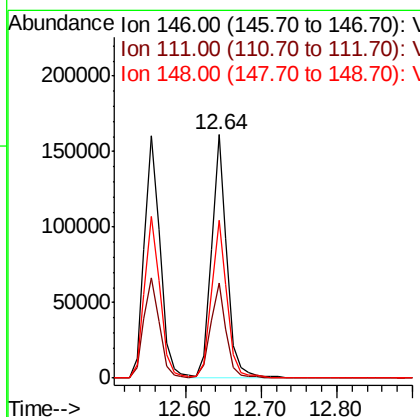
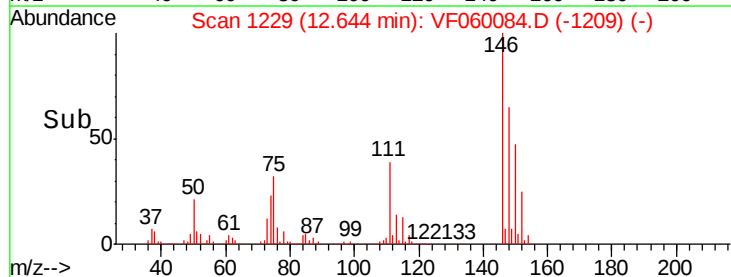
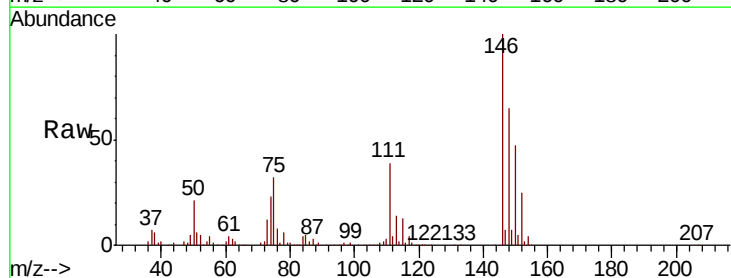
Manual Integrations
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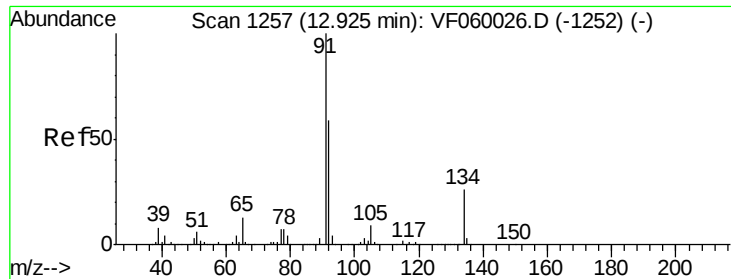
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#88
 1,4-Dichlorobenzene
 Concen: 49.68 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	39.0	21.6	64.8
148	64.7	32.3	96.8





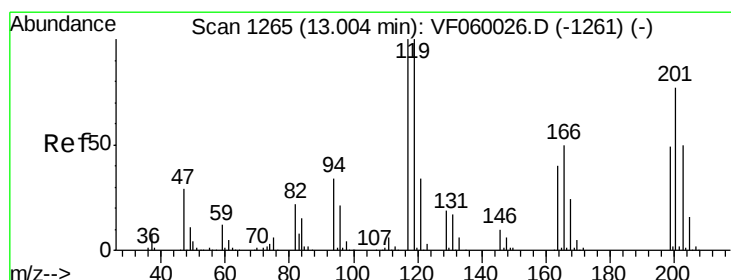
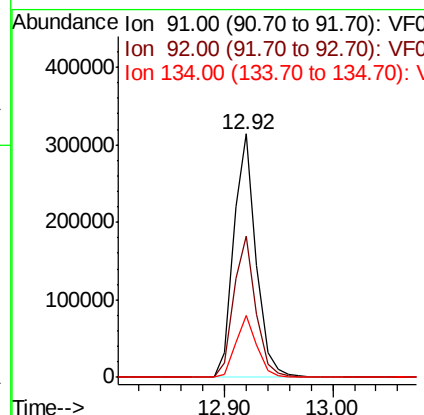
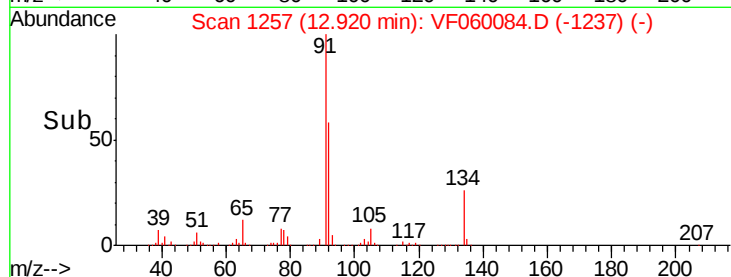
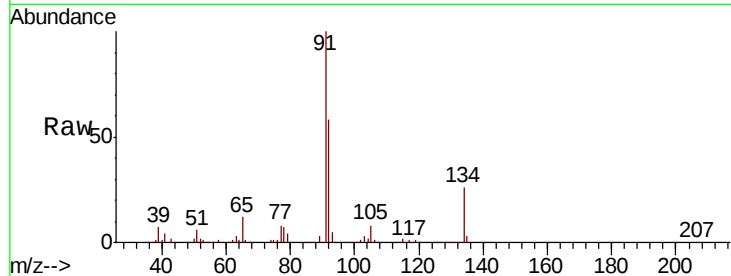
#89
n-Butylbenzene
Concen: 50.50 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	58.1	29.3	87.9	
134	25.6	12.8	38.3	

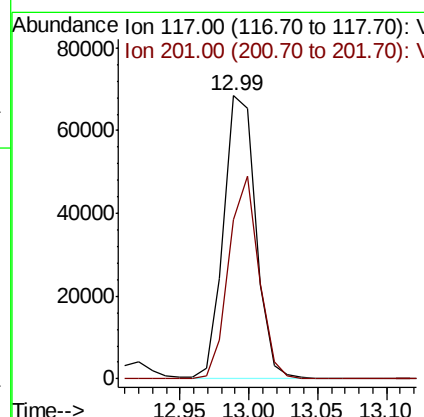
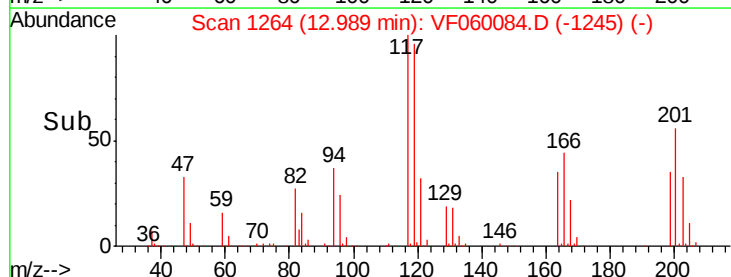
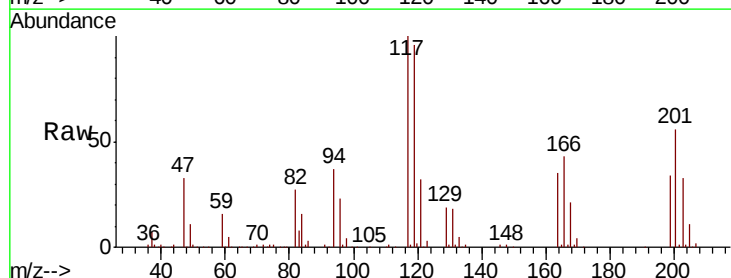
Manual Integrations
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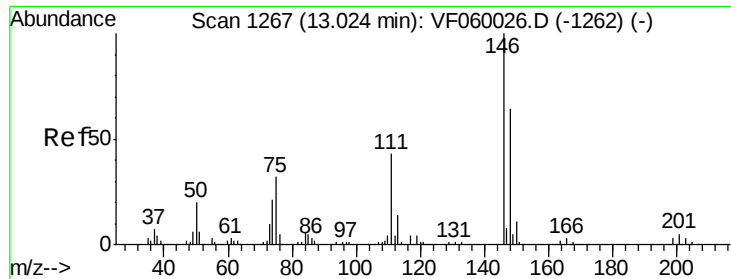
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#90
Hexachloroethane
Concen: 54.11 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	57.4	38.6	115.8	





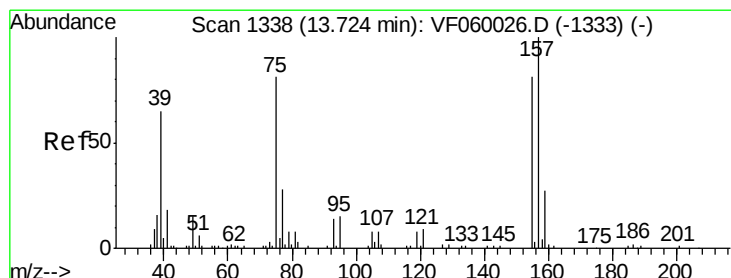
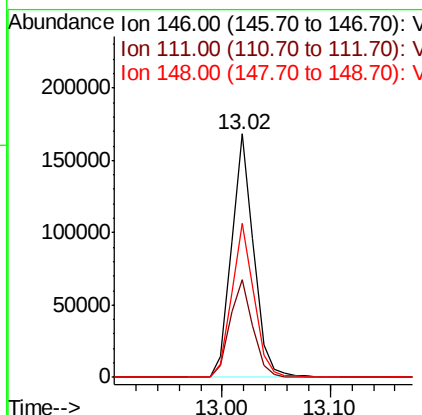
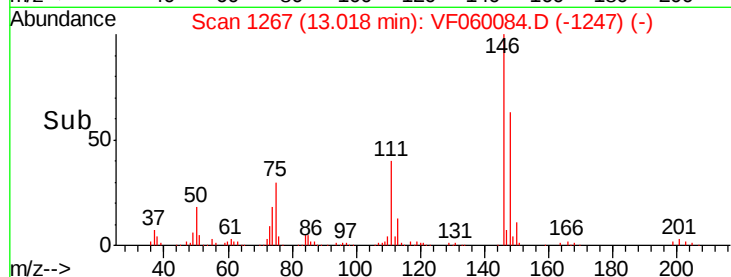
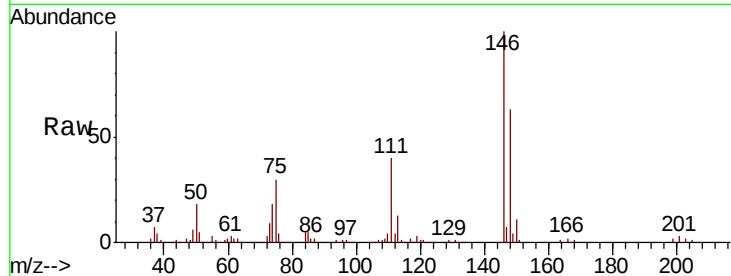
#91
 1,2-Dichlorobenzene
 Concen: 53.30 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.6	64.6
148	63.3	32.3	96.8

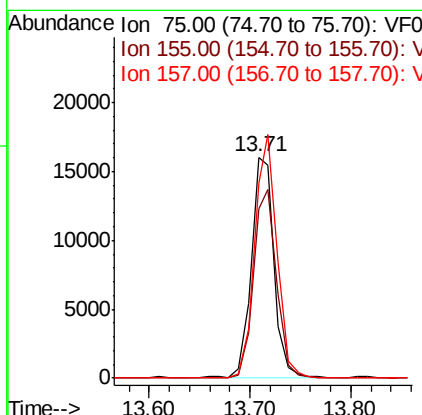
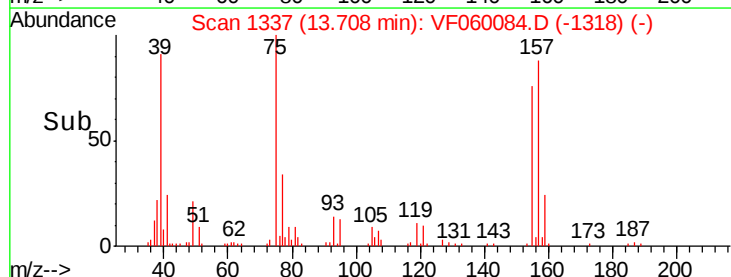
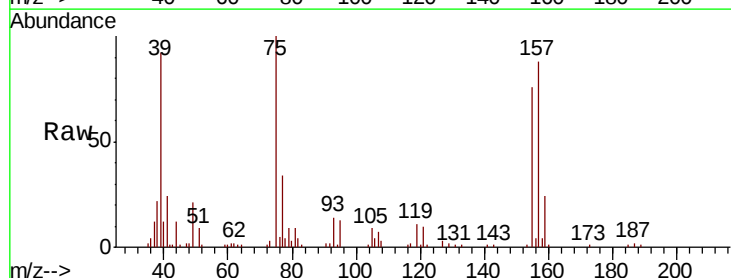
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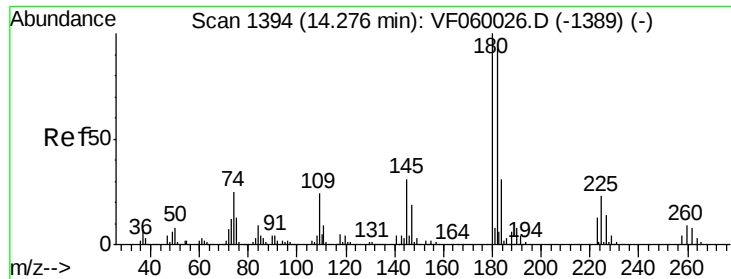
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.78 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	49.8	149.3
157	88.1	61.6	184.7





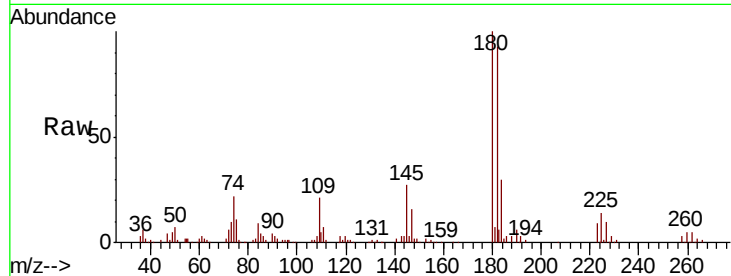
#93
 1,2,4-Trichlorobenzene
 Concen: 48.75 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162322		
182	93.0	46.8	140.3	
145	27.4	15.4	46.4	

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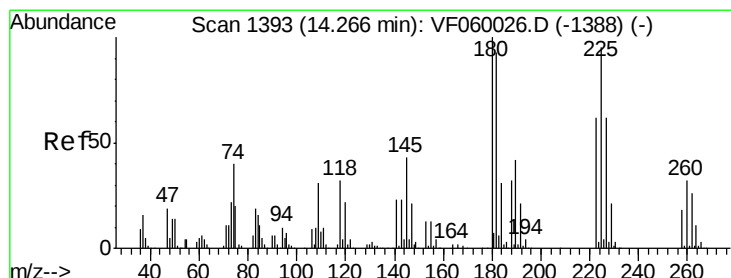
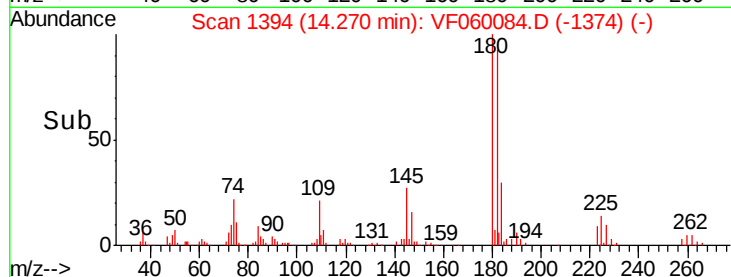
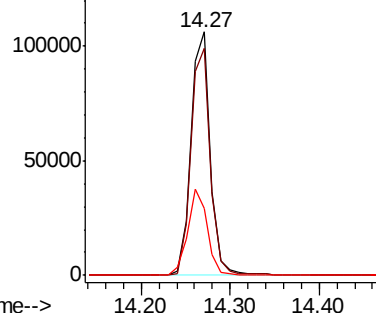


Abundance

Ion 180.00 (179.70 to 180.70): V

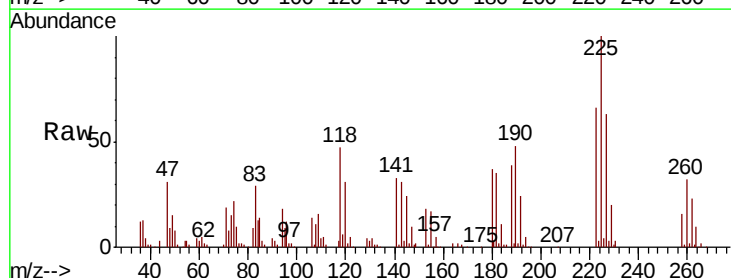
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 46.43 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96223		
223	66.2	32.6	97.8	
227	63.0	33.0	98.9	

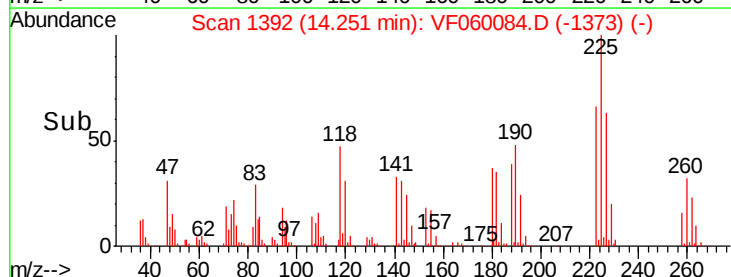
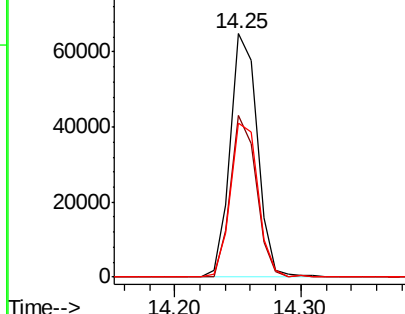


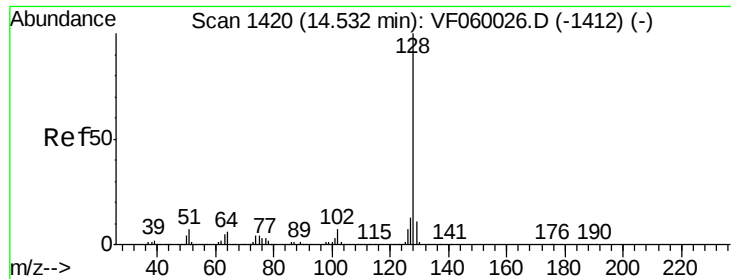
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





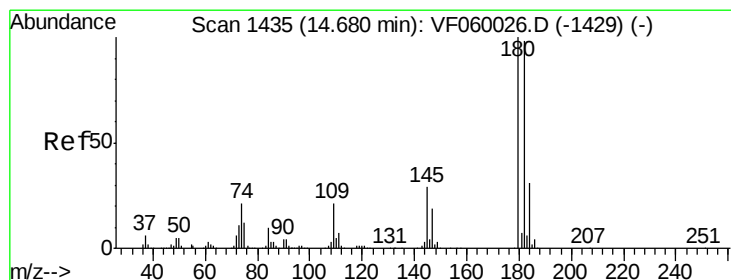
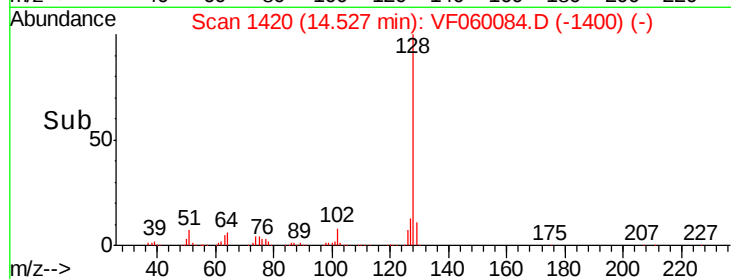
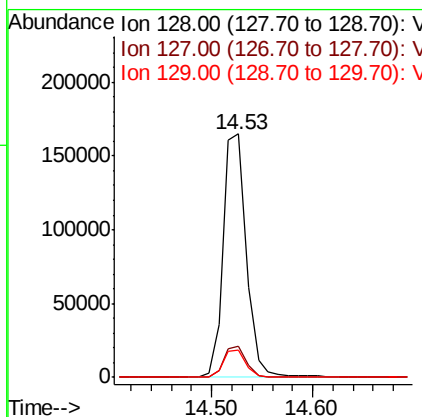
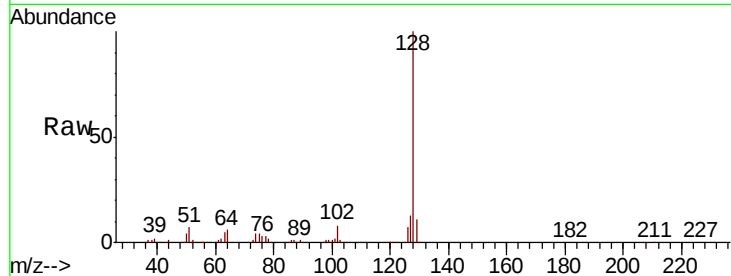
#95
Naphthalene
Concen: 46.03 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	11.1	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 49.89 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	49.0	147.2
145	33.5	14.4	43.2

