

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060049.D
 Acq On : 23 Aug 2018 13:22
 Operator : VA/AP
 Sample : VF0823SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 4:08:35 PM

Quant Time: Aug 23 15:28:56 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	5.05	168	207336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	325891	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	343145	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	208267	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	143076	50.42	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	4.30	113	133785	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	7.71	98	352170	48.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	11.52	95	193128	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	58035	21.26	ug/l	94
3) Chloromethane	1.08	50	45369	23.66	ug/l	99
4) Vinyl Chloride	1.13	62	37952	22.39	ug/l	99
5) Bromomethane	1.31	94	25883	20.10	ug/l	98
6) Chloroethane	1.39	64	13841	20.72	ug/l #	82
7) Trichlorofluoromethane	1.48	101	72380	21.24	ug/l	100
8) Diethyl Ether	1.71	74	12571	20.63	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.86	101	38885	21.74	ug/l	96
10) Methyl Iodide	1.92	142	50338	21.28	ug/l	98
11) Tert butyl alcohol	2.68	59	15905	105.36	ug/l #	90
12) 1,1-Dichloroethene	1.83	96	27175	20.62	ug/l	88
13) Acrolein	2.09	56	5544	80.11	ug/l	97
14) Allyl chloride	2.19	41	50713	21.66	ug/l	95
15) Acrylonitrile	3.08	53	30655	102.90	ug/l	96
16) Acetone	2.34	43	100347	134.55	ug/l	94
17) Carbon Disulfide	1.84	76	90682	21.97	ug/l	98
18) Methyl Acetate	2.46	43	32160	23.03	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	91192	21.60	ug/l	96
20) Methylene Chloride	2.28	84	36145	21.71	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	30393	20.61	ug/l	92
22) Diisopropyl ether	2.92	45	105294	20.09	ug/l	99
23) Vinyl Acetate	3.33	43	343438	123.68	ug/l	98
24) 1,1-Dichloroethane	3.00	63	66998	20.69	ug/l	98
25) 2-Butanone	4.51	43	121314	125.23	ug/l	97
26) 2,2-Dichloropropane	3.76	77	75770	22.62	ug/l	92
27) cis-1,2-Dichloroethene	3.64	96	46120	22.07	ug/l	91
28) Bromochloromethane	3.90	49	32641	23.88	ug/l	86
29) Tetrahydrofuran	4.25	42	41420	113.25	ug/l	97
30) Chloroform	4.03	83	98411	21.65	ug/l	98
31) Cyclohexane	3.86	56	57950	23.49	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	87099	22.38	ug/l	96
36) 1,1-Dichloropropene	4.47	75	64837	21.17	ug/l	98
37) Ethyl Acetate	4.29	43	40902	22.33	ug/l #	78
38) Carbon Tetrachloride	4.17	117	75670	21.34	ug/l	96

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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Aug 23 15:28:56 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)
39) Methylcyclohexane	5.63	83	63995	22.29	ug/l	92
40) Benzene	4.81	78	145275	21.72	ug/l	96
41) Methacrylonitrile	4.92	41	19746	21.31	ug/l #	85
42) 1,2-Dichloroethane	5.12	62	73163	20.40	ug/l	99
43) Isopropyl Acetate	7.12	43	49760	21.59	ug/l #	99
44) Trichloroethene	5.68	130	47853	21.64	ug/l	94
45) 1,2-Dichloropropane	6.41	63	42906	22.67	ug/l	100
46) Dibromomethane	6.25	93	32676	22.07	ug/l	91
47) Bromodichloromethane	6.55	83	77953	21.80	ug/l	95
48) Methyl methacrylate	6.87	41	31975	20.96	ug/l	93
49) 1,4-Dioxane	6.87	88	6738	460.13	ug/l	90
51) 4-Methyl-2-Pentanone	8.41	43	234080	117.59	ug/l	99
52) Toluene	7.78	92	105072	21.63	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	70011	21.59	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	78939	21.81	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	39892	22.10	ug/l	92
56) Ethyl methacrylate	8.77	69	47618	21.79	ug/l	94
57) 1,3-Dichloropropane	9.00	76	71335	22.48	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	16996	98.00	ug/l	100
59) 2-Hexanone	9.63	43	201775	125.23	ug/l	98
60) Dibromochloromethane	8.86	129	56524	21.21	ug/l	95
61) 1,2-Dibromoethane	9.14	107	45286	21.36	ug/l	98
64) Tetrachloroethene	8.31	164	48534	21.00	ug/l	98
65) Chlorobenzene	9.95	112	136779	21.11	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	52511	21.37	ug/l	95
67) Ethyl Benzene	10.05	91	248933	22.27	ug/l	95
68) m/p-Xylenes	10.27	106	185830	45.67	ug/l	96
69) o-Xylene	10.84	106	98292	22.44	ug/l	100
70) Styrene	10.90	104	153527	22.85	ug/l	98
71) Bromoform	10.89	173	35786	20.87	ug/l	96
73) Isopropylbenzene	11.23	105	280160	22.35	ug/l	98
74) N-amyl acetate	11.47	43	88918	22.82	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	61644	22.52	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	46364	21.84	ug/l	99
77) Bromobenzene	11.59	156	73426	21.54	ug/l	83
78) n-propylbenzene	11.69	91	349145	22.56	ug/l	98
79) 2-Chlorotoluene	11.81	91	194864	21.42	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	247259	22.64	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	20858m	21.47	ug/l	
82) 4-Chlorotoluene	11.99	91	215813	21.85	ug/l	95
83) tert-Butylbenzene	12.22	119	239526	22.49	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	252045	21.71	ug/l	98
85) sec-Butylbenzene	12.39	105	326945	22.05	ug/l	100
86) p-Isopropyltoluene	12.54	119	274519	22.31	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	143802	22.81	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	134172	21.42	ug/l	97
89) n-Butylbenzene	12.93	91	289316	24.20	ug/l	98
90) Hexachloroethane	13.00	117	61375	22.20	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	137407	22.66	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11809	21.11	ug/l	67

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MSVOA_F
ClientSampleId :
VF0823SBS01

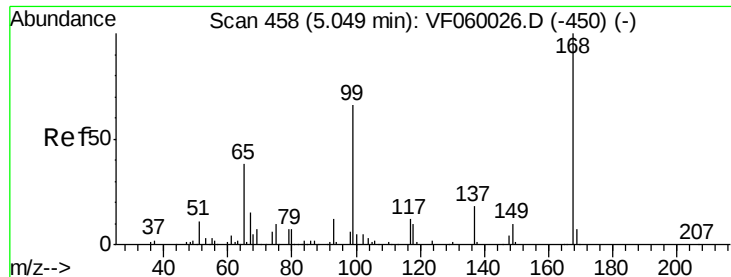
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.28	180	102363	22.93	ug/l	95
94) Hexachlorobutadiene	14.26	225	61843	22.26	ug/l	99
95) Naphthalene	14.53	128	150704	20.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	97031	22.78	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion:168 Resp: 207336

Ion Ratio Lower Upper

168 100

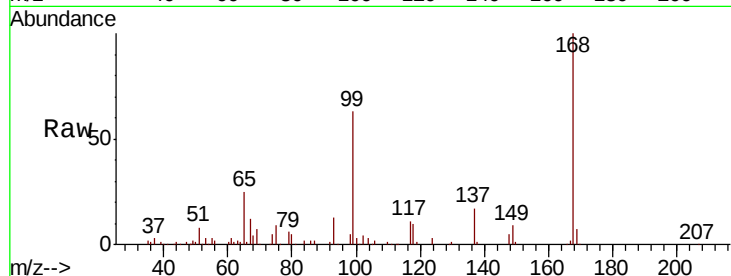
99 63.1 52.6 79.0

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

5.05

60000

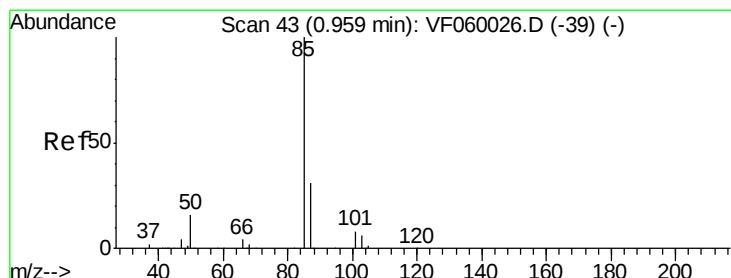
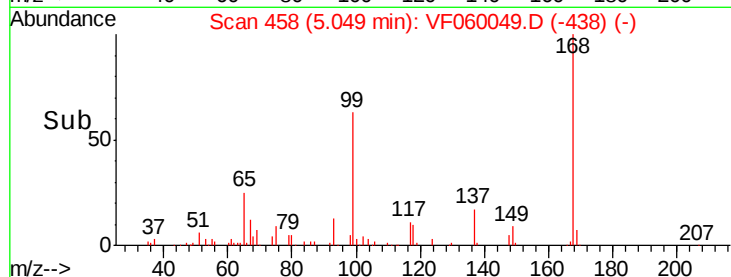
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.26 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060049.D

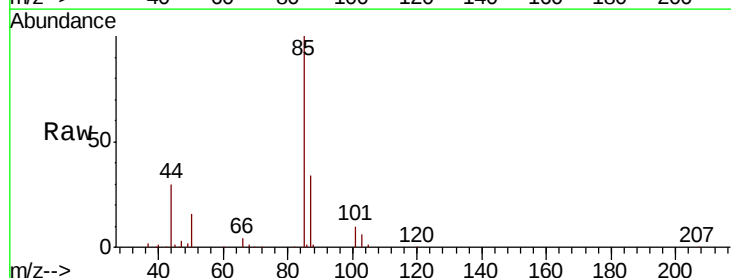
Acq: 23 Aug 2018 13:22

Tgt Ion: 85 Resp: 58035

Ion Ratio Lower Upper

85 100

87 33.9 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

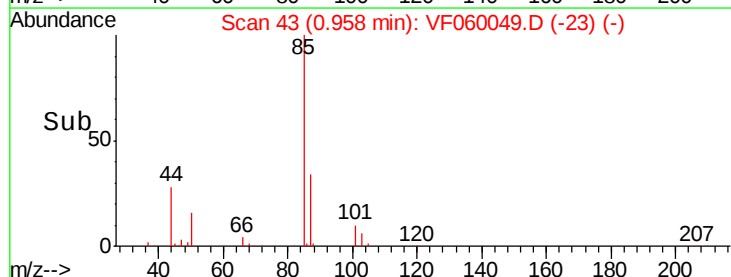
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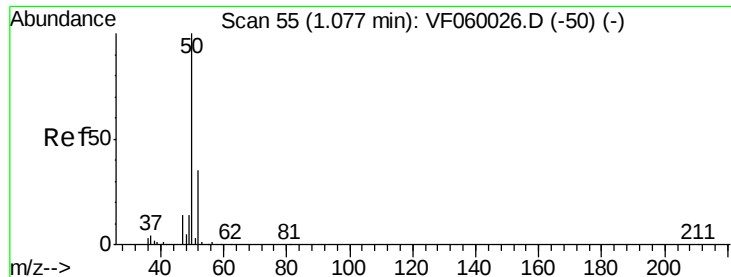
10000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 23.66 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 50 Resp: 45369

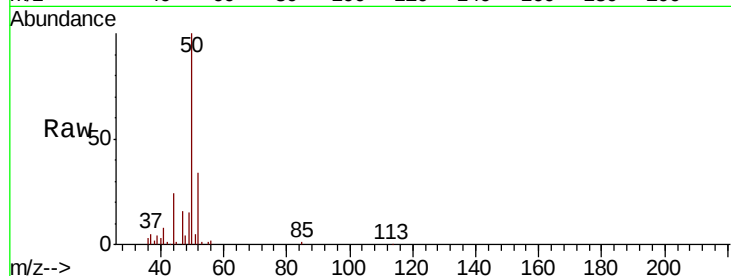
Ion Ratio Lower Upper

50 100

52 33.9 27.6 41.4

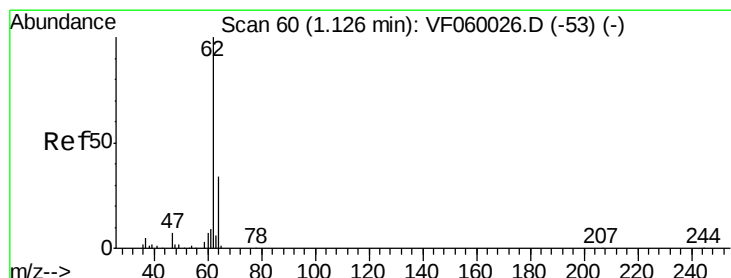
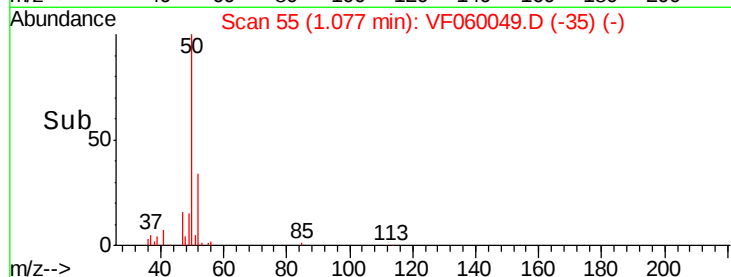
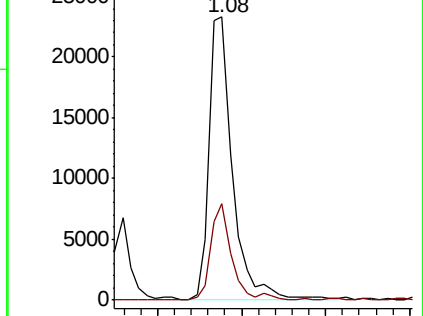
Manual Integrations
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.39 ug/l

RT: 1.13 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060049.D

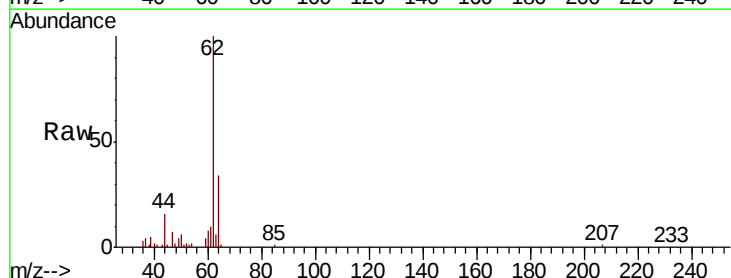
Acq: 23 Aug 2018 13:22

Tgt Ion: 62 Resp: 37952

Ion Ratio Lower Upper

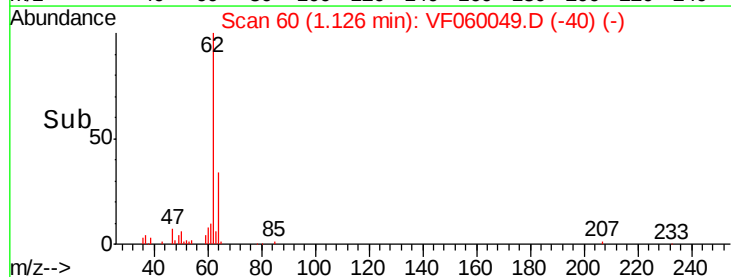
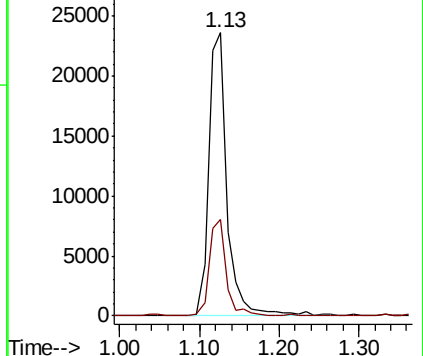
62 100

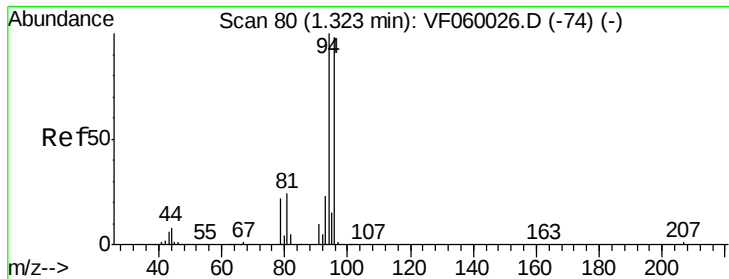
64 33.9 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.10 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 94 Resp: 25883

Ion Ratio Lower Upper

94 100

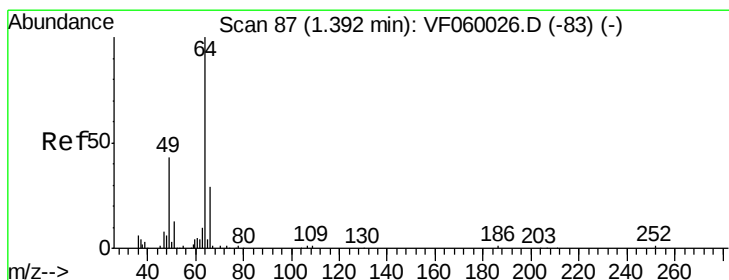
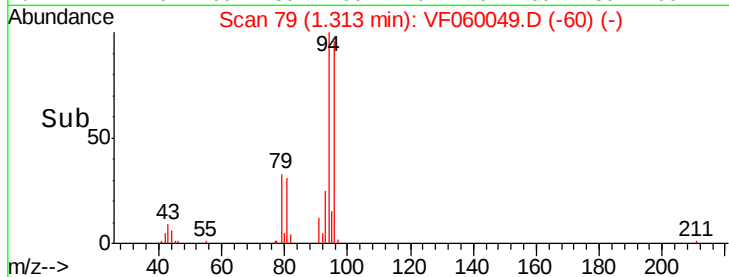
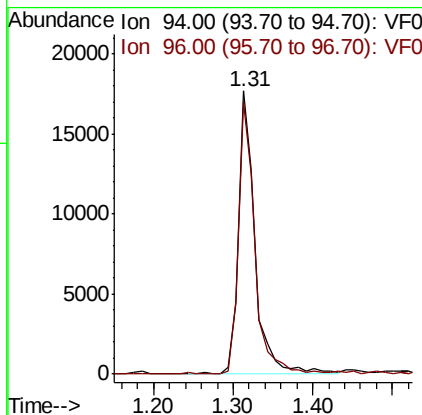
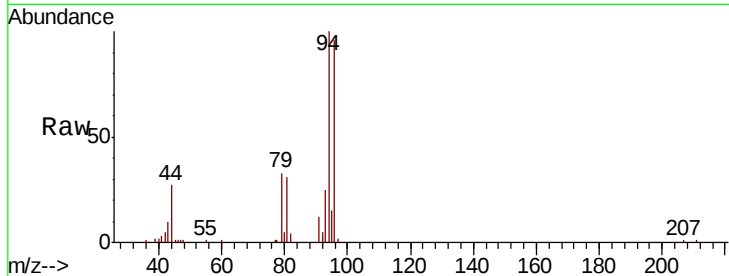
96 96.2 78.6 118.0

Manual Integrations

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8/24/2018 4:08:35 PM



#6

Chloroethane

Concen: 20.72 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060049.D

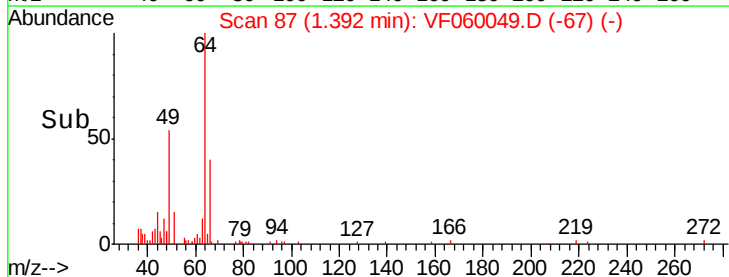
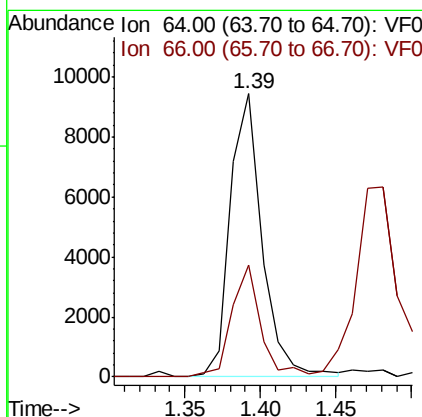
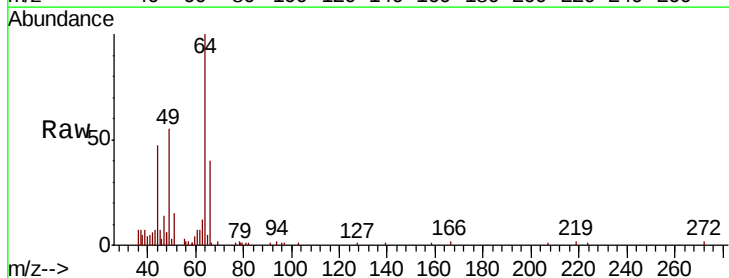
Acq: 23 Aug 2018 13:22

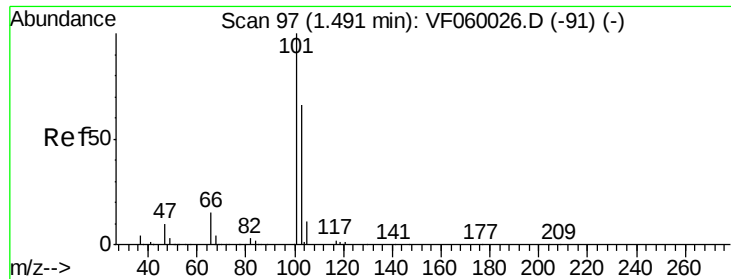
Tgt Ion: 64 Resp: 13841

Ion Ratio Lower Upper

64 100

66 39.7 24.1 36.1#





#7

Trichlorofluoromethane

Concen: 21.24 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion:101 Resp: 72380

Ion Ratio Lower Upper

101 100

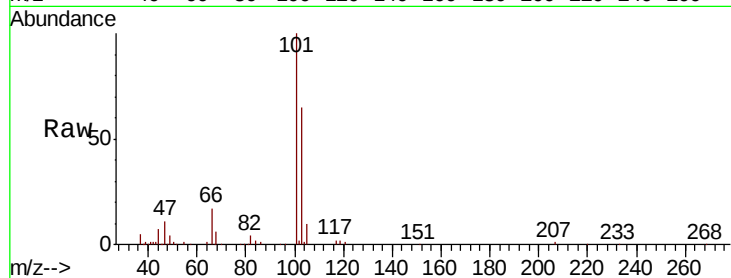
103 65.2 52.5 78.7

Manual Integrations

APPROVED

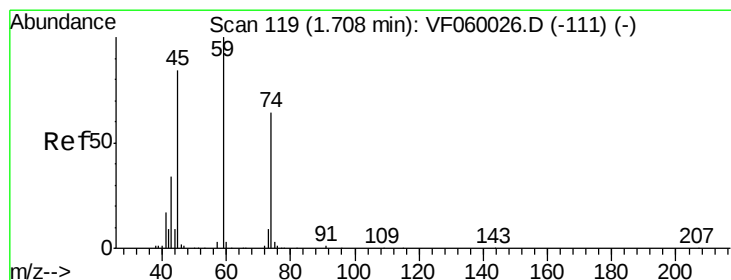
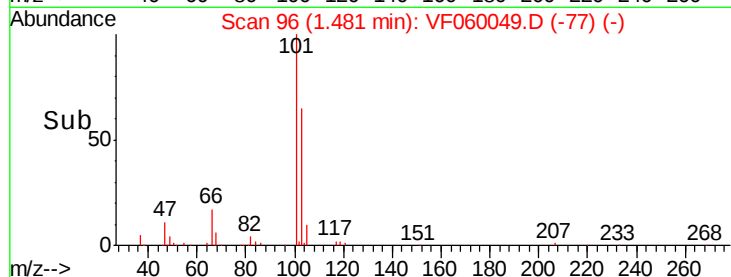
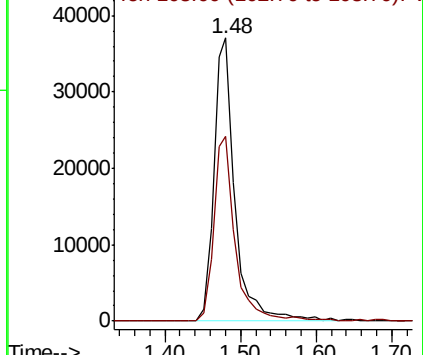
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.63 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF060049.D

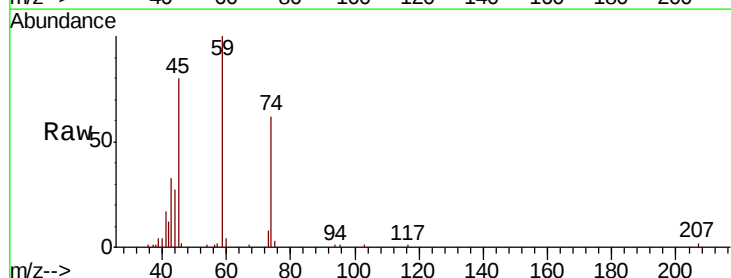
Acq: 23 Aug 2018 13:22

Tgt Ion: 74 Resp: 12571

Ion Ratio Lower Upper

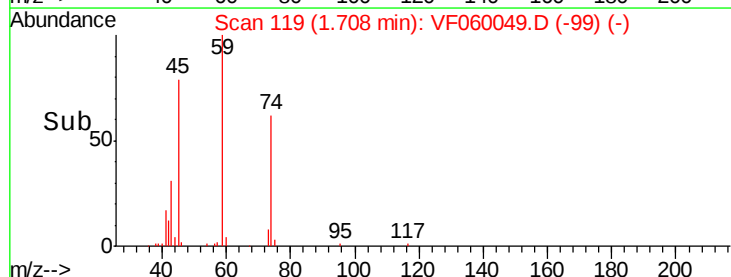
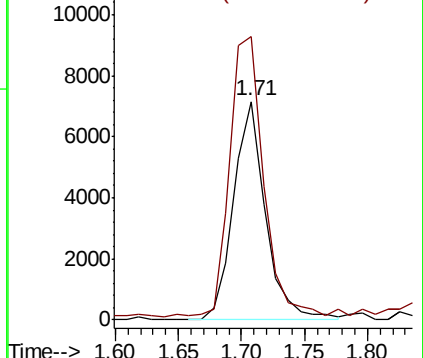
74 100

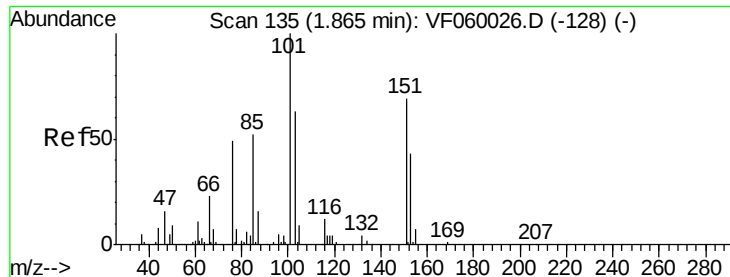
45 129.8 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.74 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

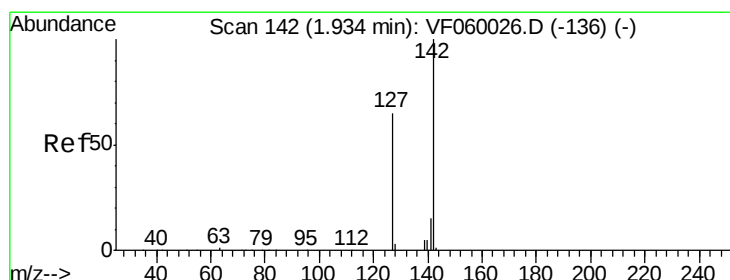
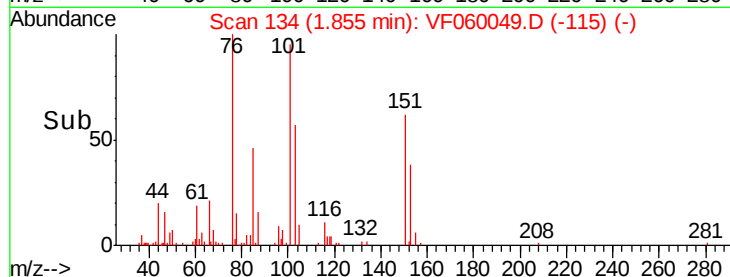
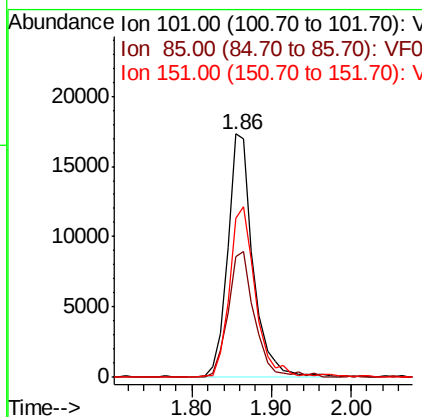
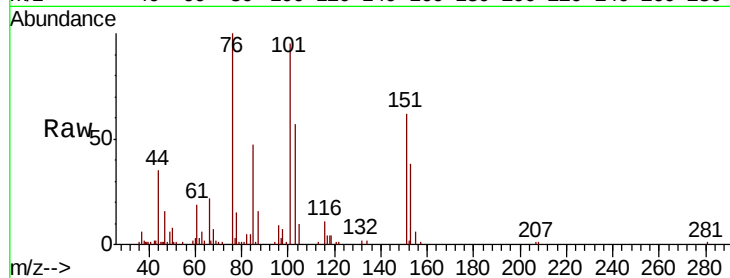
ClientSampleId :

VF0823SBS01

Tot Ion:	101	Resp:	38885
Ion Ratio	Lower	Upper	
101	100		
85	49.5	41.5	62.3
151	65.4	55.2	82.8

Manual Integrations
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#10

Methyl Iodide

Concen: 21.28 ug/l

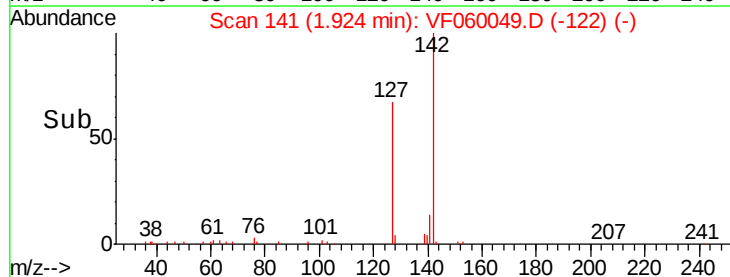
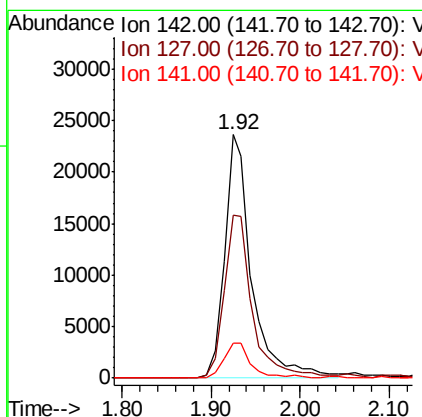
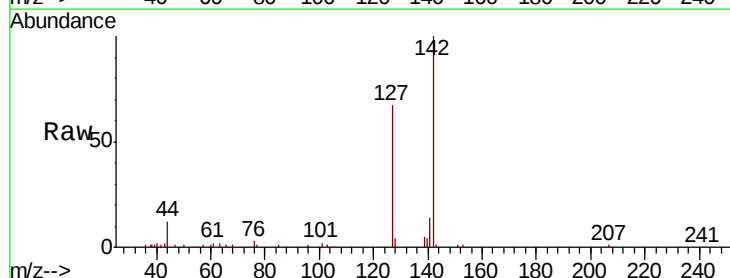
RT: 1.92 min Scan# 141

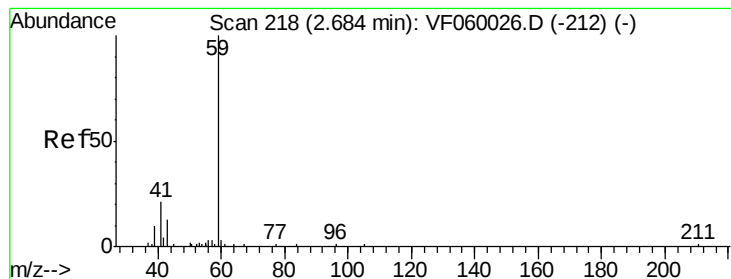
Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion:	142	Resp:	50338
Ion Ratio	Lower	Upper	
142	100		
127	66.7	51.8	77.6
141	14.3	11.9	17.9





#11

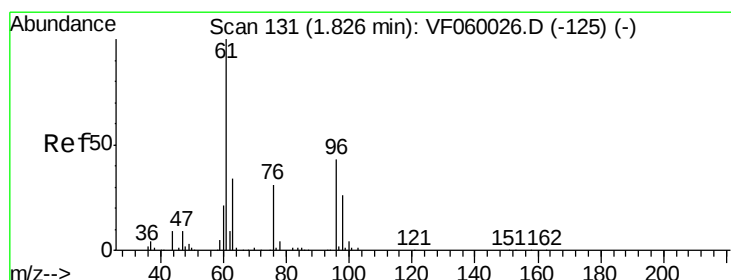
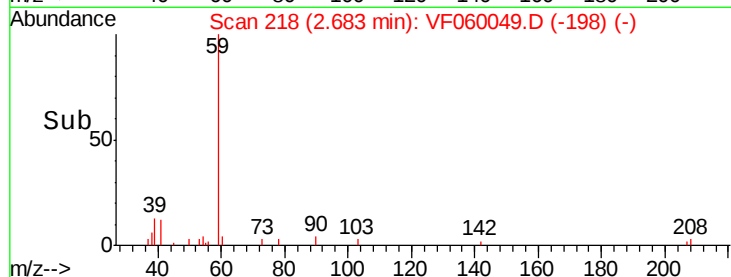
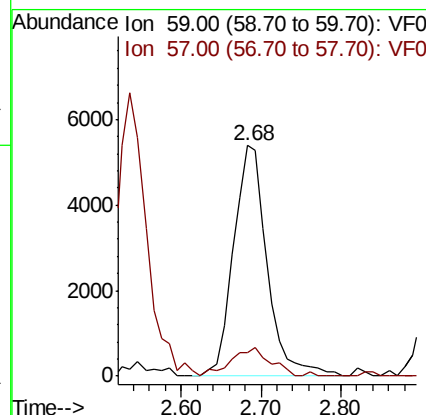
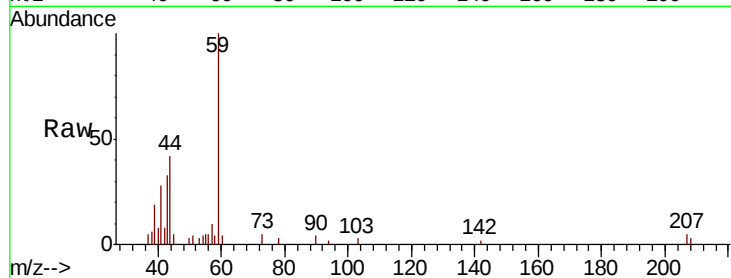
Tert butyl alcohol
Concen: 105.36 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	5.4	8.2#

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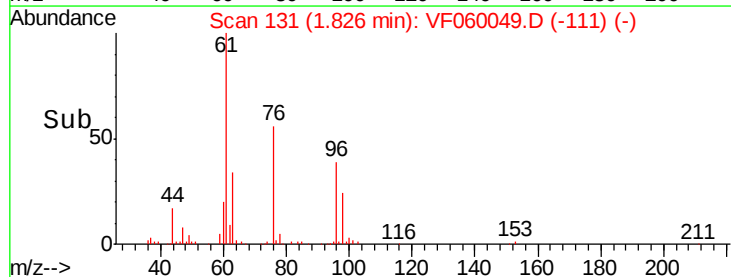
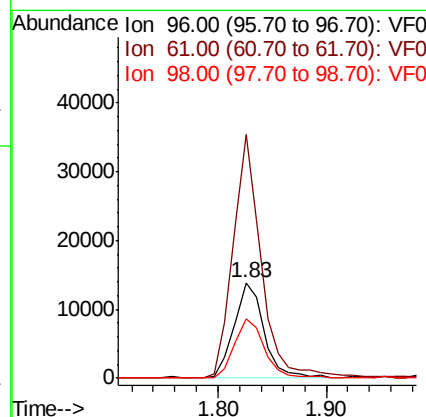
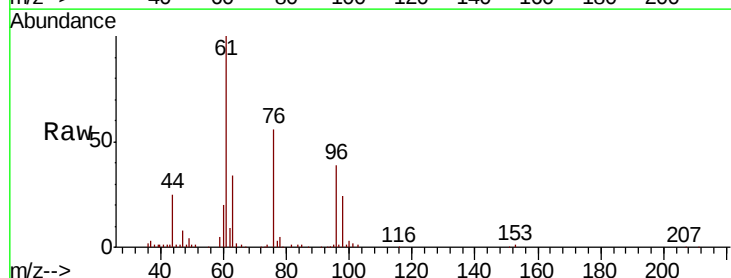
MMDadoda
8/24/2018 4:08:35 PM

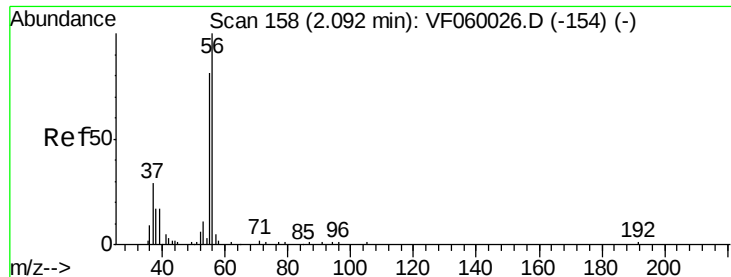


#12

1,1-Dichloroethene
Concen: 20.62 ug/l
RT: 1.83 min Scan# 131
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	255.9	185.0	277.6
98	62.3	47.8	71.8





#13

Acrolein

Concen: 80.11 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 56 Resp: 5544

Ion Ratio Lower Upper

56 100

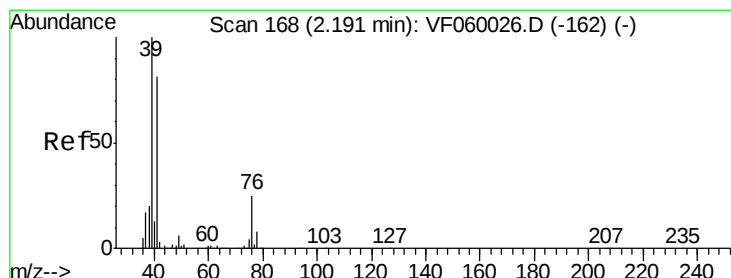
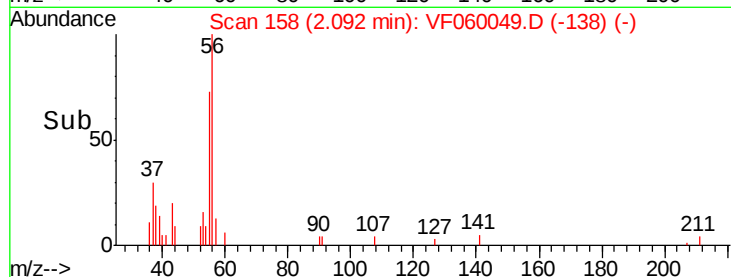
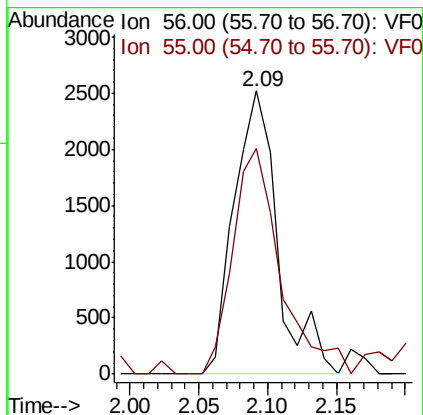
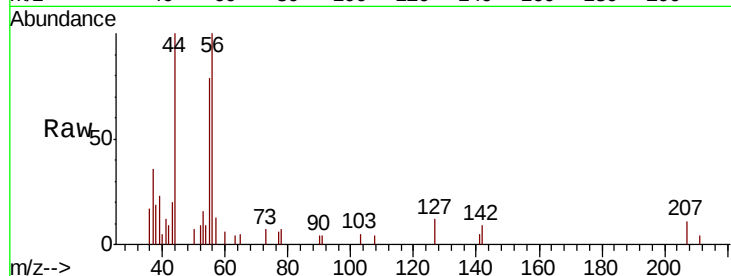
55 79.6 65.6 98.4

Manual Integrations

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#14

Allyl chloride

Concen: 21.66 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

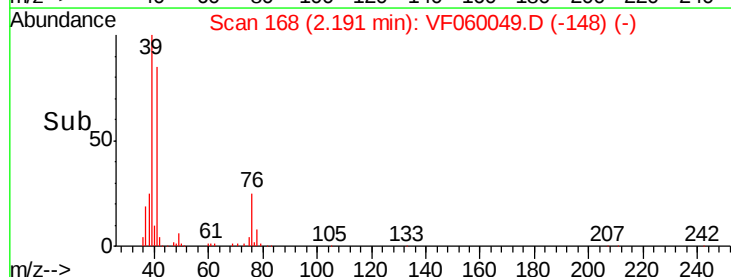
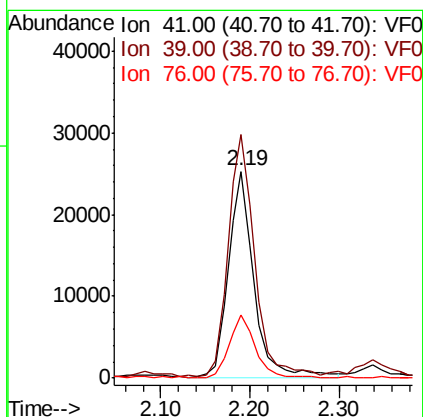
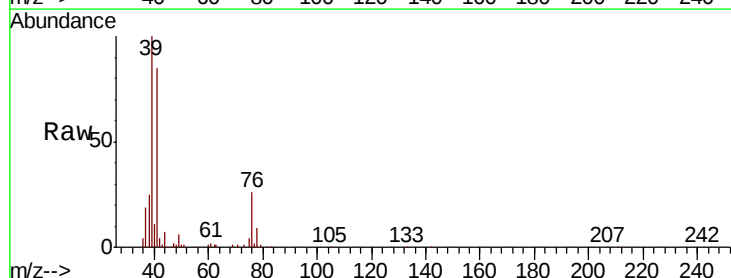
Tgt Ion: 41 Resp: 50713

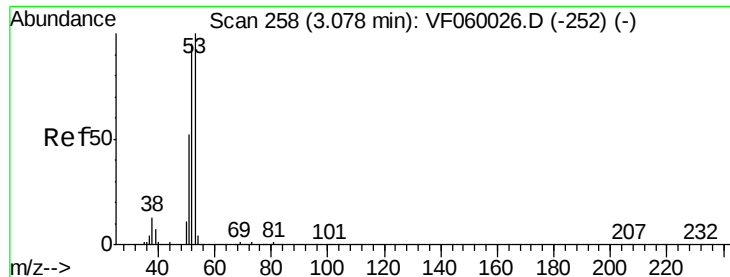
Ion Ratio Lower Upper

41 100

39 117.7 99.3 148.9

76 30.5 24.3 36.5





#15

Acrylonitrile

Concen: 102.90 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

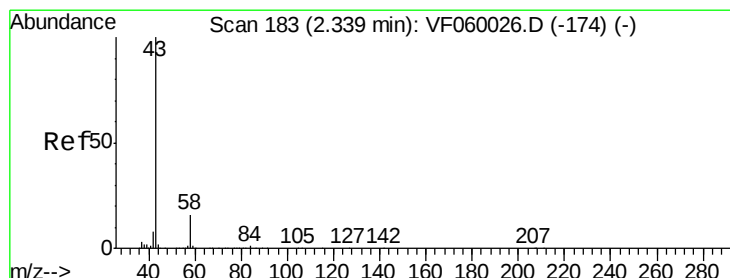
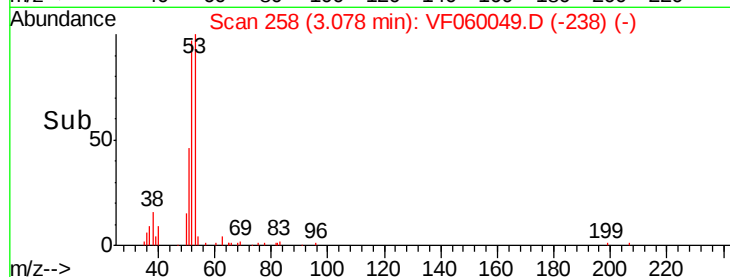
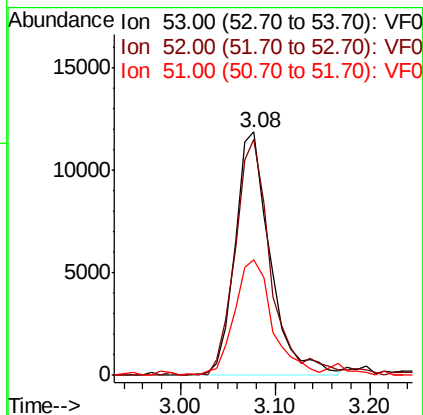
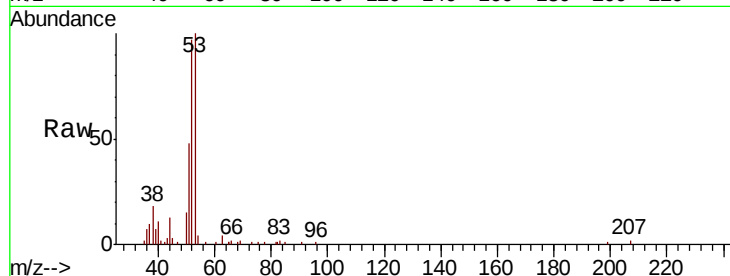
ClientSampleId :

VF0823SBS01

Tot Ion:	53	Resp:	30655
Ion	Ratio	Lower	Upper
53	100		
52	96.8	75.8	113.8
51	47.7	42.1	63.1

Manual Integrations
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#16

Acetone

Concen: 134.55 ug/l

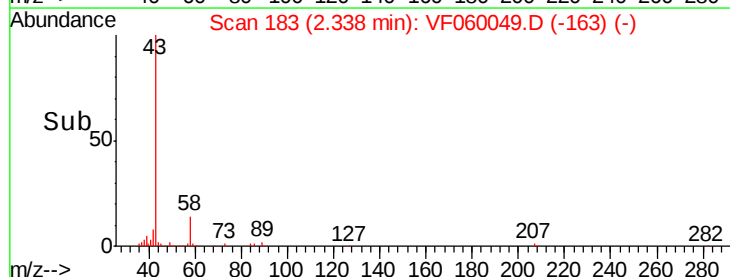
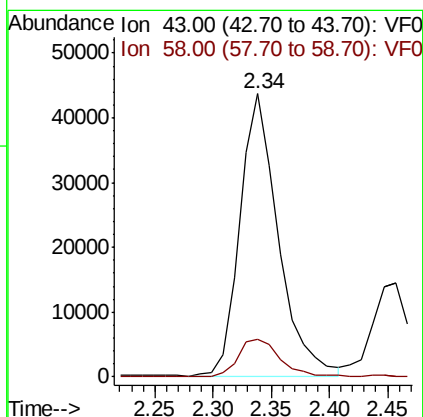
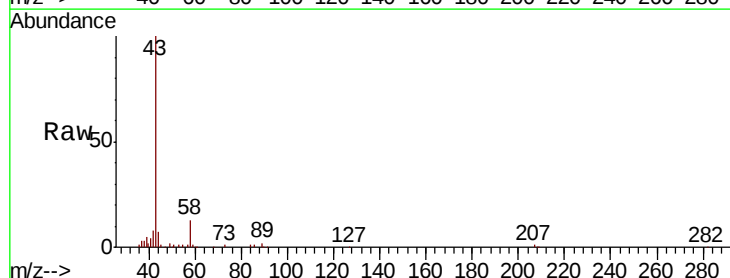
RT: 2.34 min Scan# 183

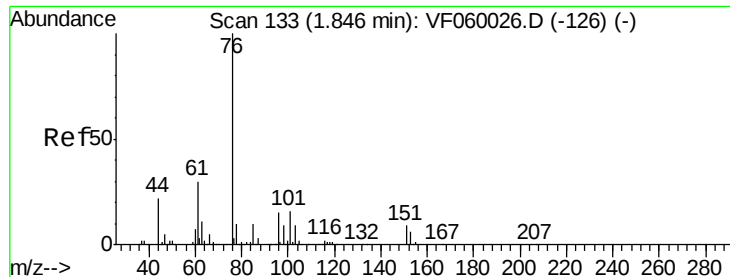
Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion:	43	Resp:	100347
Ion	Ratio	Lower	Upper
43	100		
58	13.5	12.6	19.0





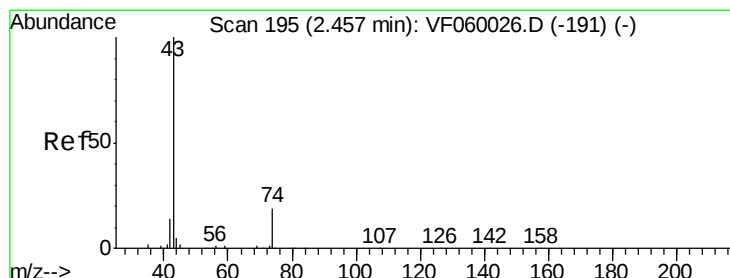
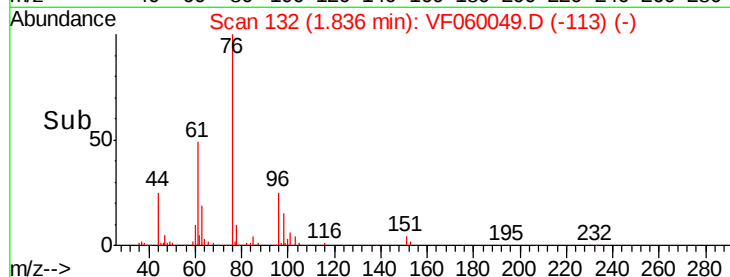
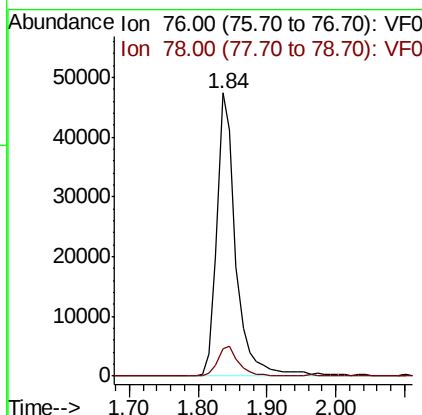
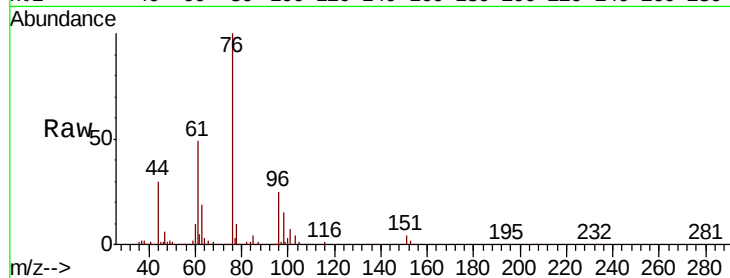
#17
Carbon Disulfide
Concen: 21.97 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	8.4	12.6

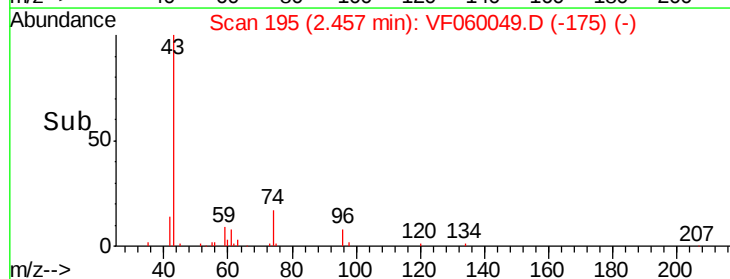
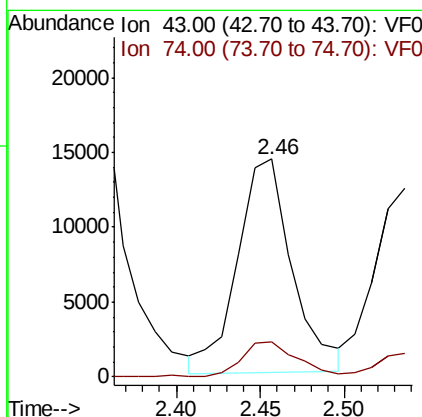
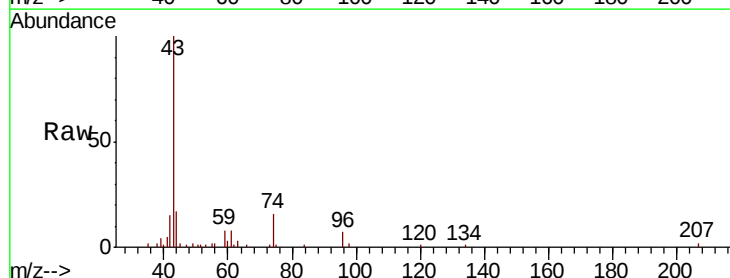
Manual Integrations
APPROVED

MMDadoda
8/24/2018 4:08:35 PM



#18
Methyl Acetate
Concen: 23.03 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.2	13.8	20.6





#19

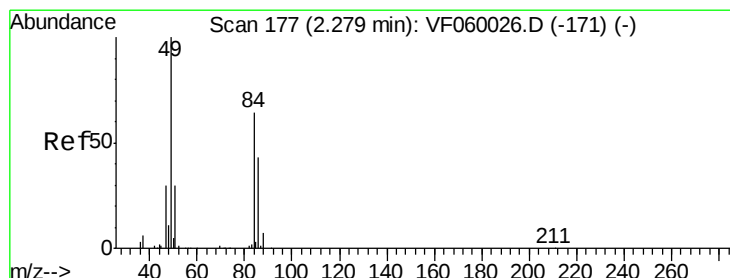
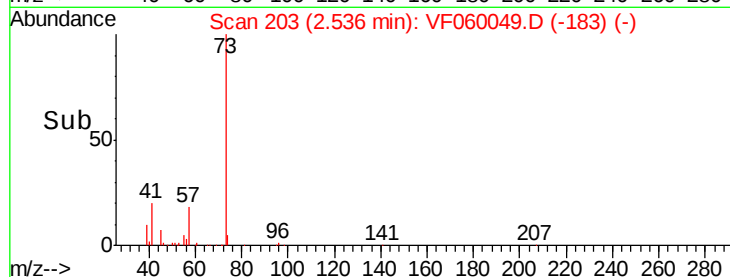
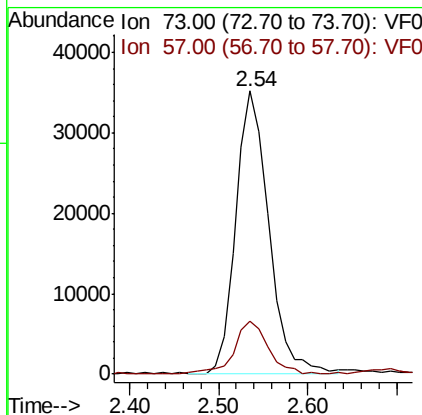
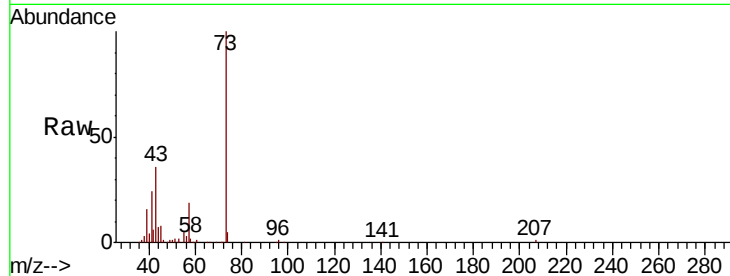
Methyl tert-butyl Ether
 Concen: 21.60 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.8	13.7	20.5

Manual Integrations
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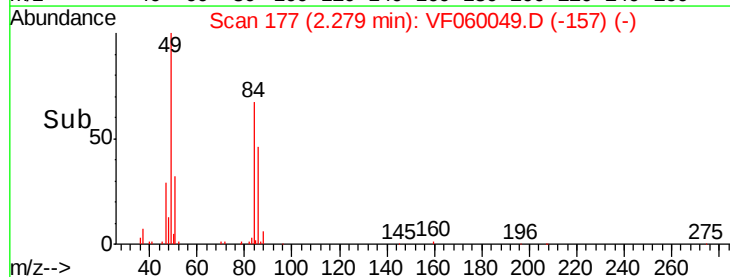
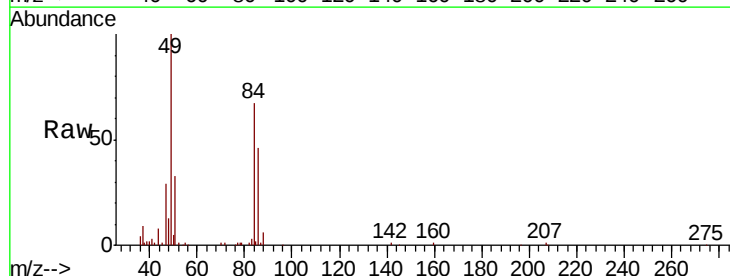
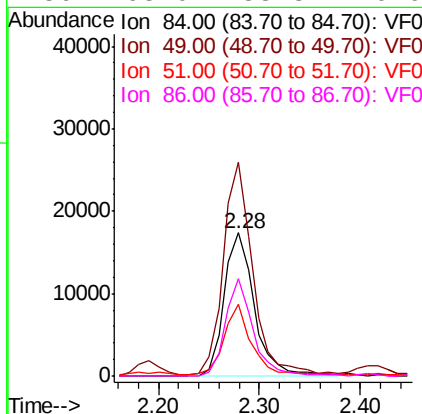
MMDadoda
 8/24/2018 4:08:35 PM

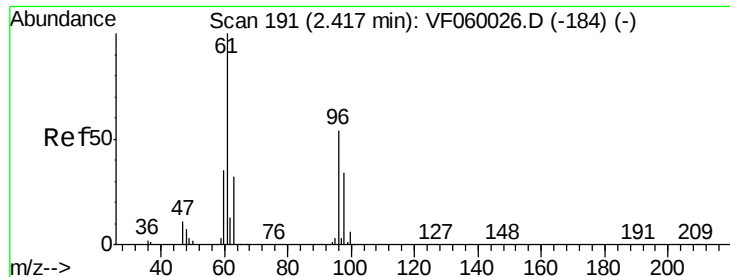


#20

Methylene Chloride
 Concen: 21.71 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.2	125.4	188.0
51	49.8	38.3	57.5
86	68.0	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 20.61 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

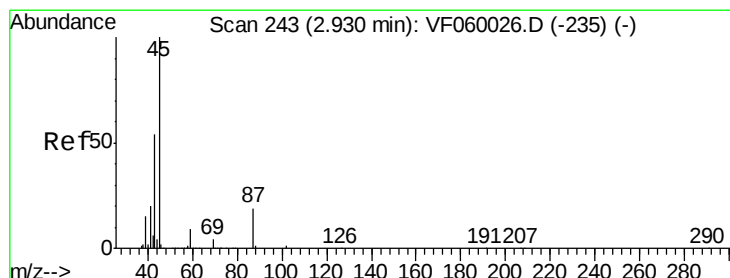
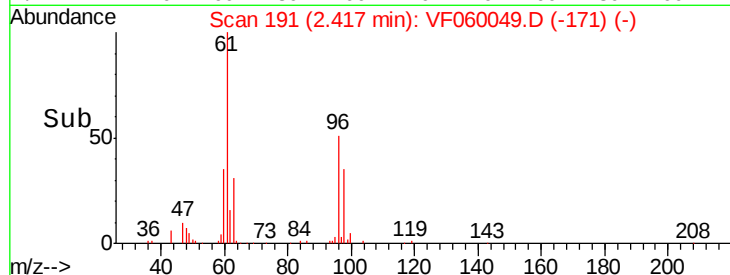
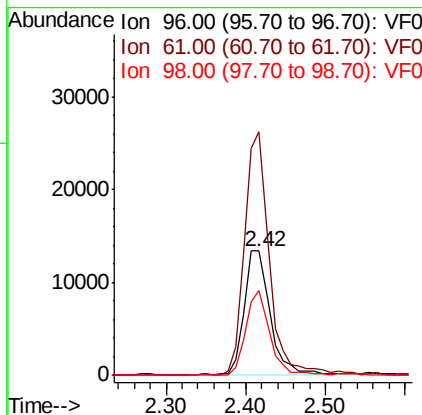
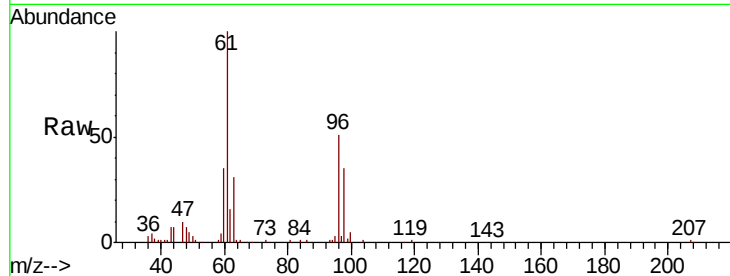
ClientSampled :

VF0823SBS01

Tot Ion:	96	Resp:	30393
Ion	Ratio	Lower	Upper
96	100		
61	195.8	147.4	221.0
98	67.8	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.09 ug/l

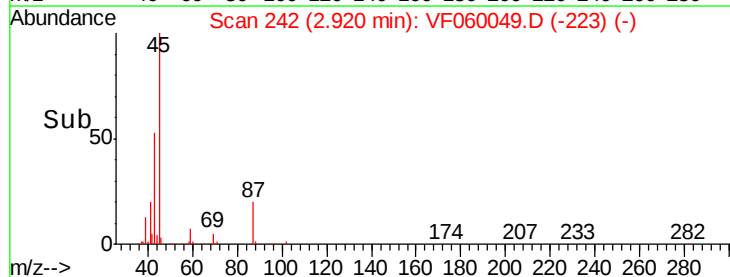
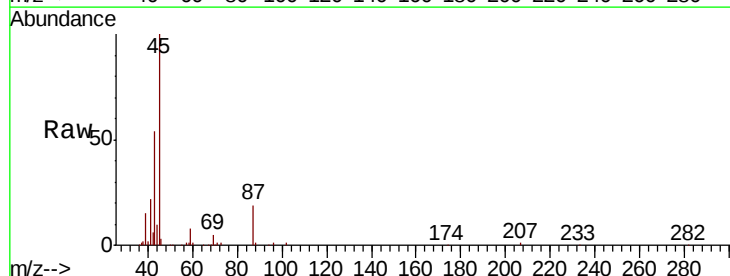
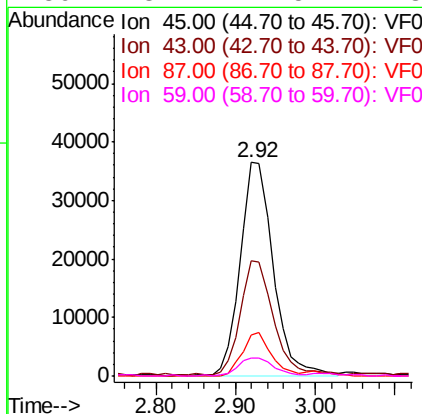
RT: 2.92 min Scan# 242

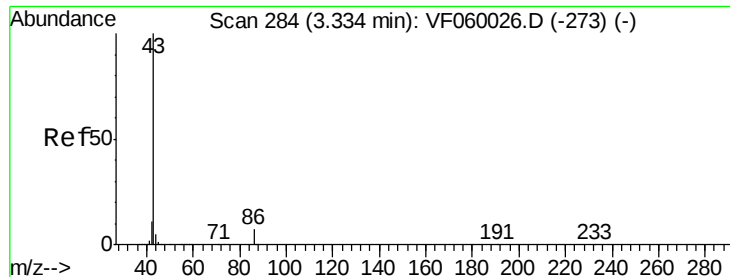
Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion:	45	Resp:	105294
Ion	Ratio	Lower	Upper
45	100		
43	53.9	43.4	65.2
87	19.4	15.4	23.2
59	8.1	7.5	11.3





#23

Vinyl Acetate

Concen: 123.68 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 43 Resp: 343438

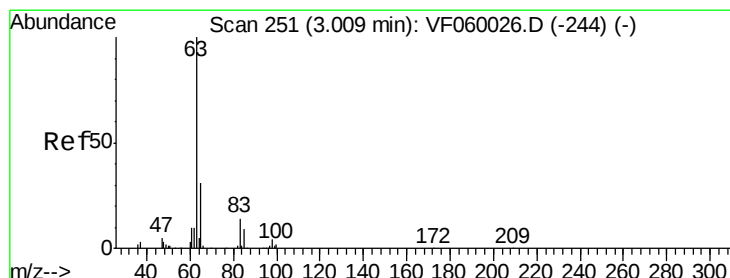
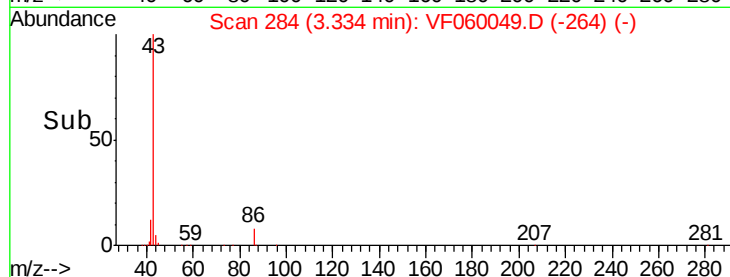
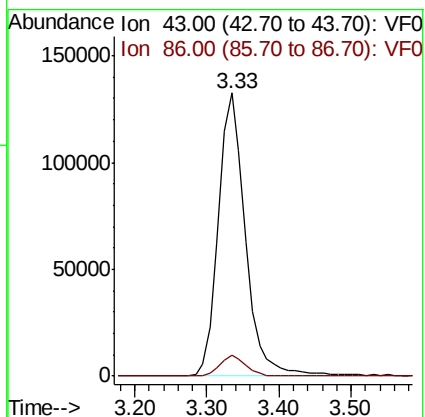
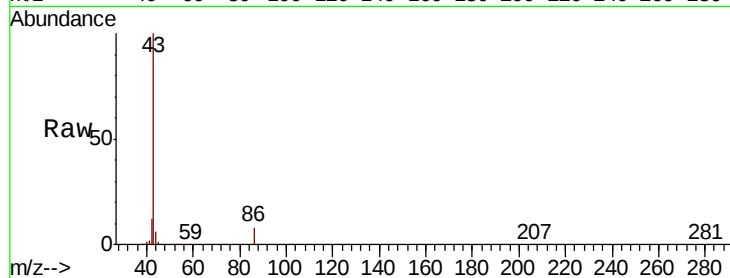
Ion Ratio Lower Upper

43 100

86 7.6 5.6 8.4

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 20.69 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

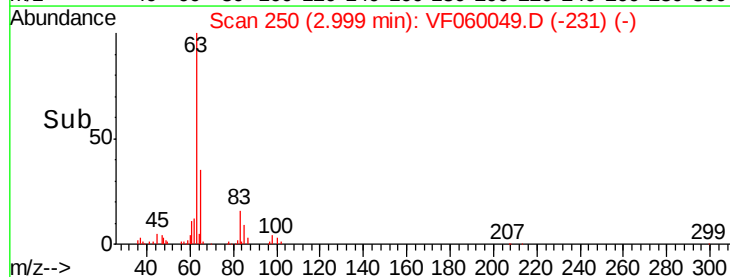
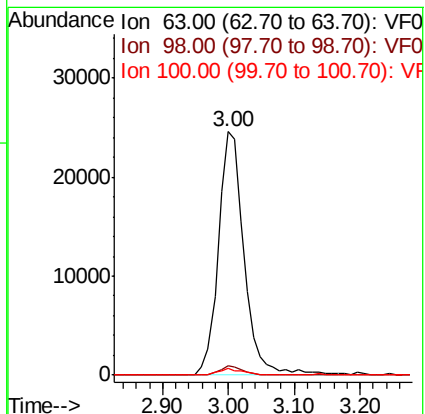
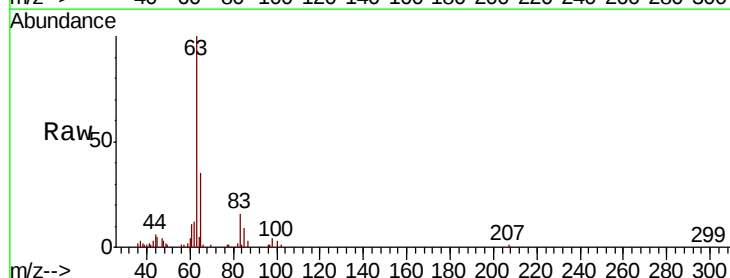
Tgt Ion: 63 Resp: 66998

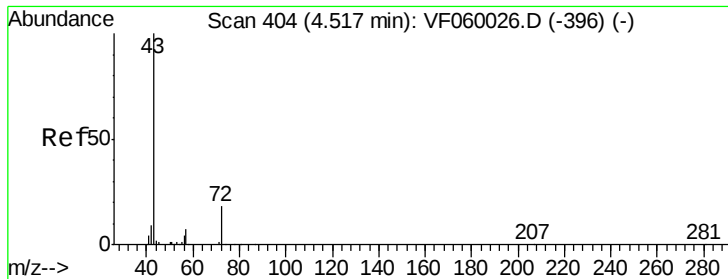
Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.5

100 2.9 1.1 3.3





#25

2-Butanone

Concen: 125.23 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 43 Resp: 121314

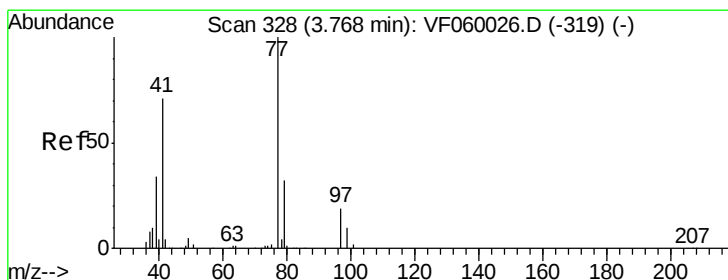
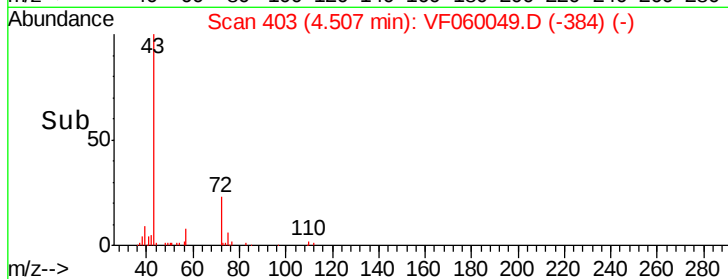
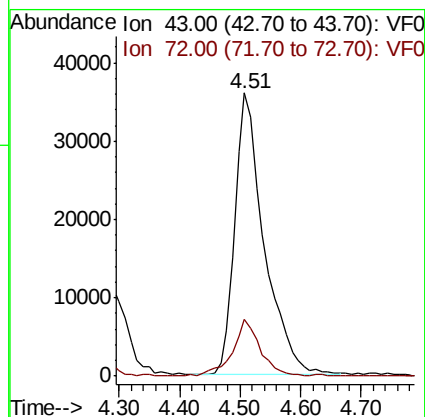
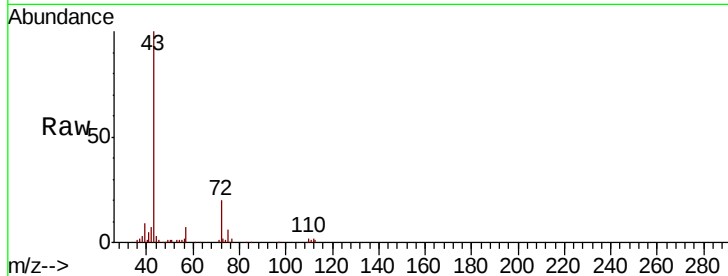
Ion Ratio Lower Upper

43 100

72 20.1 15.0 22.6

Manual Integrations
APPROVED

MMDadoda
8/24/2018 4:08:35 PM



#26

2,2-Dichloropropane

Concen: 22.62 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060049.D

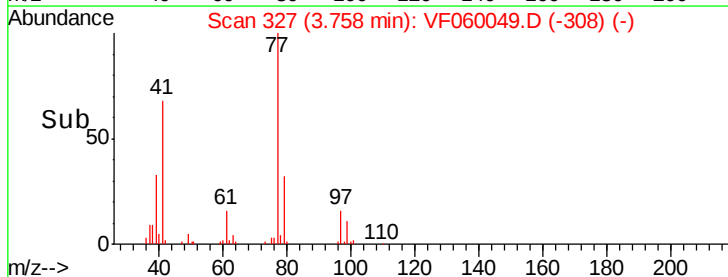
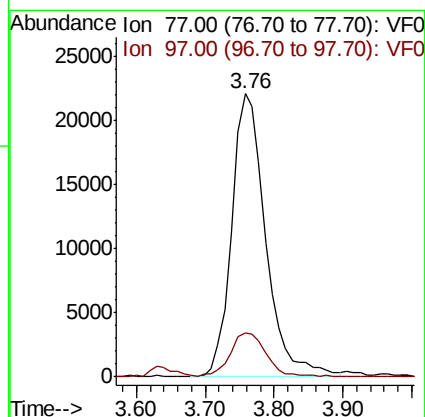
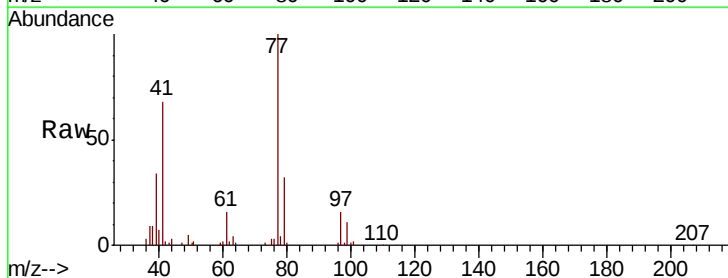
Acq: 23 Aug 2018 13:22

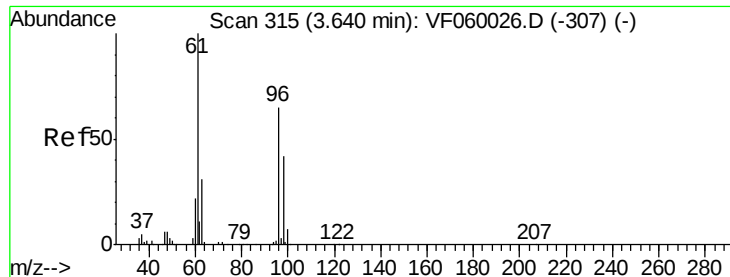
Tgt Ion: 77 Resp: 75770

Ion Ratio Lower Upper

77 100

97 15.6 9.7 29.1





#27

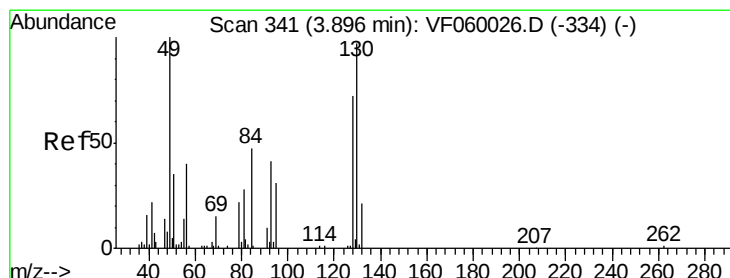
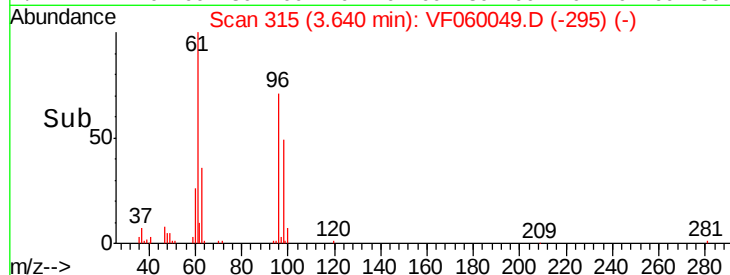
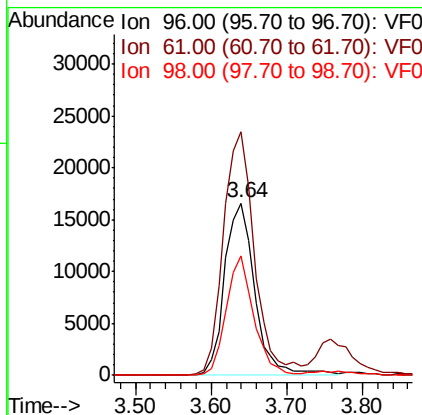
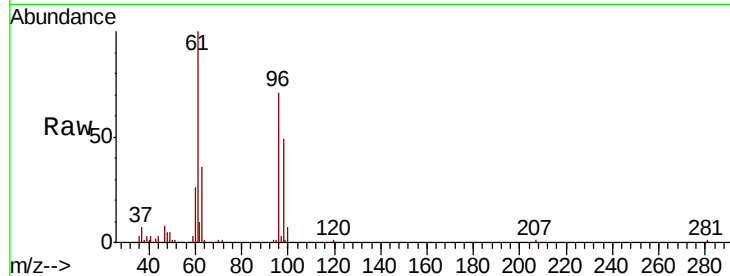
cis-1,2-Dichloroethene
 Concen: 22.07 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	141.1		0.0	307.6	
98	69.0		0.0	128.4	

Manual Integrations
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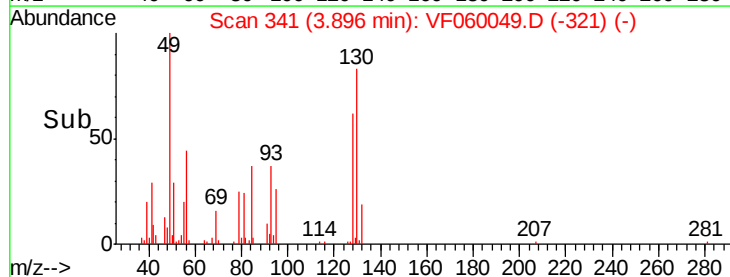
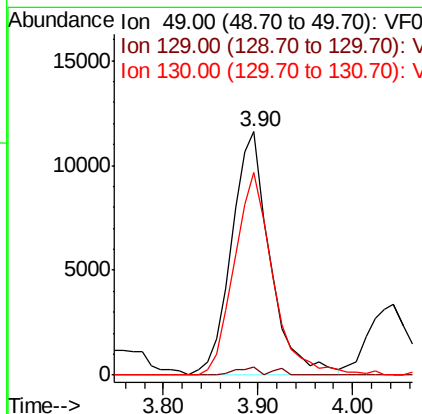
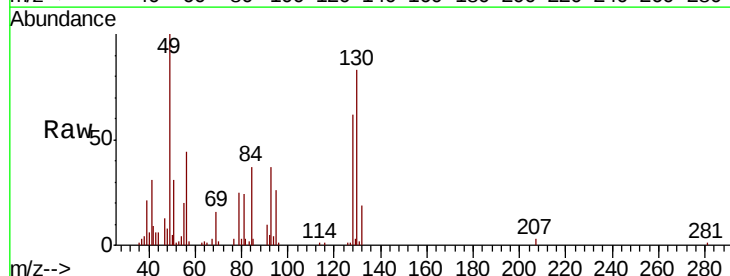
MMDadoda
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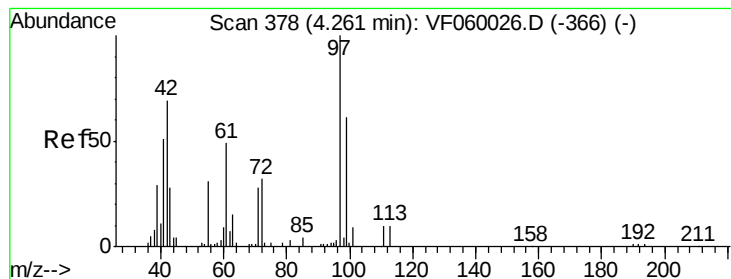


#28

Bromochloromethane
 Concen: 23.88 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	3.1		0.0	7.4	
130	83.1		78.0	117.0	





#29

Tetrahydrofuran

Concen: 113.25 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

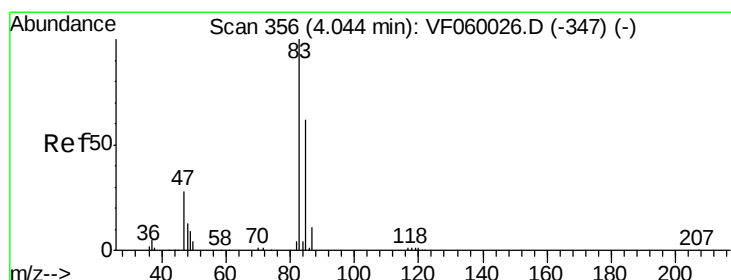
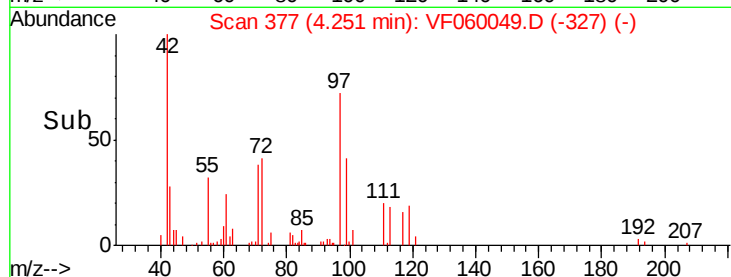
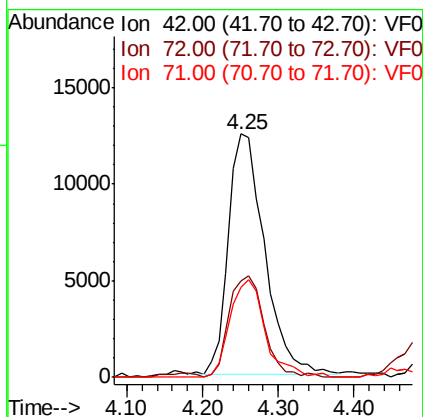
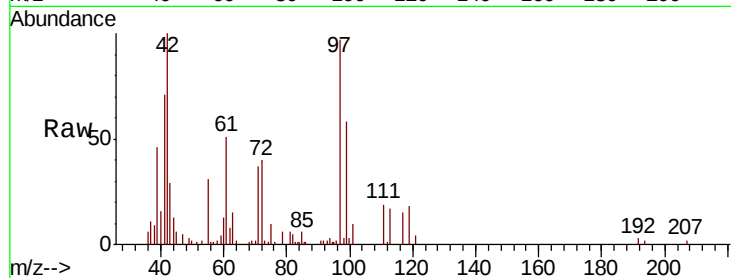
ClientSampleId :

VF0823SBS01

Tot Ion:	42	Resp:	41420
Ion	Ratio	Lower	Upper
42	100		
72	40.9	31.4	47.2
71	39.3	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 21.65 ug/l

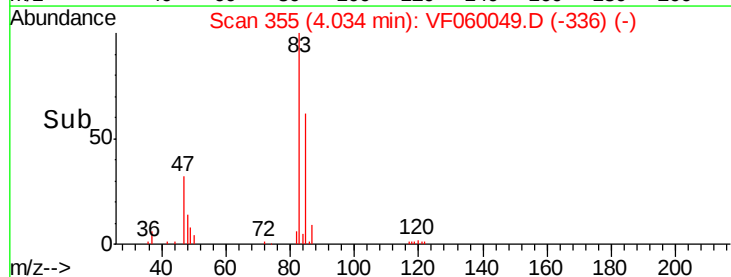
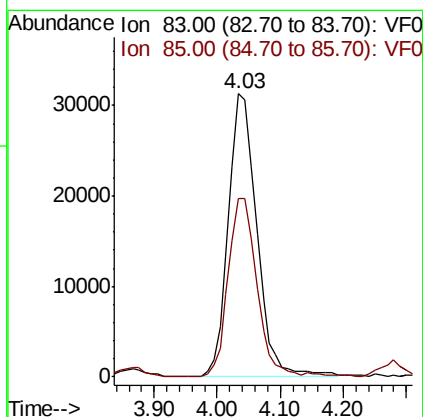
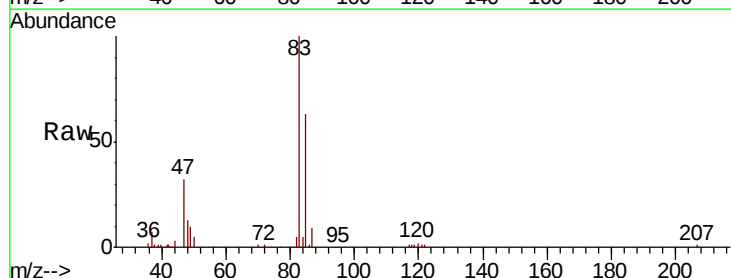
RT: 4.03 min Scan# 355

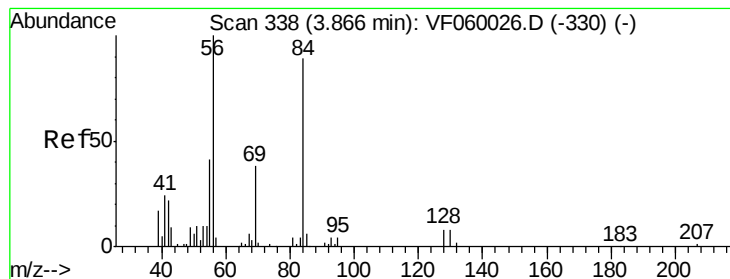
Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion:	83	Resp:	98411
Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.5	74.3





#31

Cyclohexane

Concen: 23.49 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

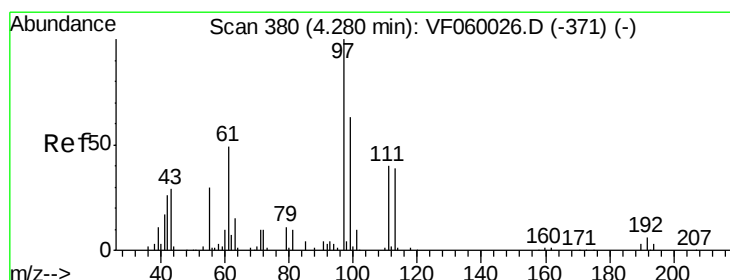
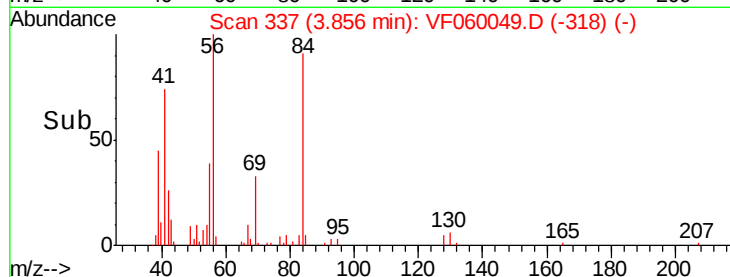
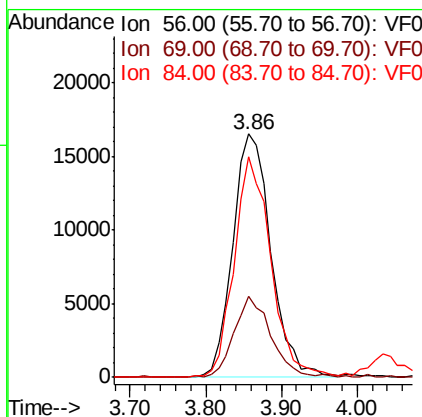
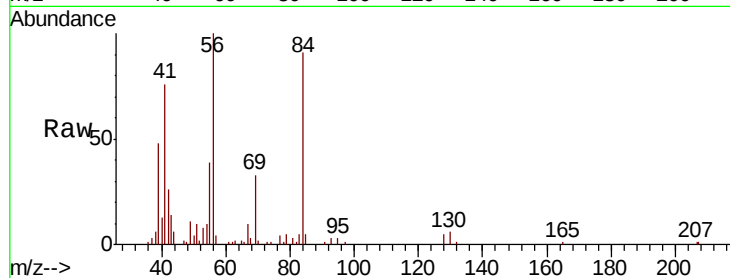
ClientSampleId :

VF0823SBS01

Tot Ion:	56	Resp:	57950
Ion Ratio	Lower	Upper	
56	100		
69	33.2	30.4	45.6
84	90.6	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.38 ug/l

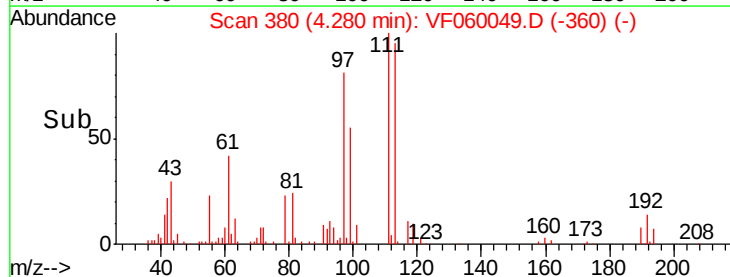
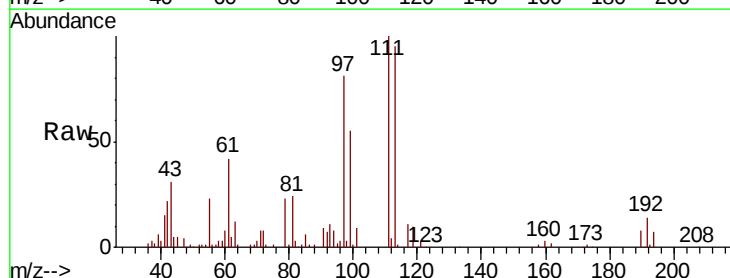
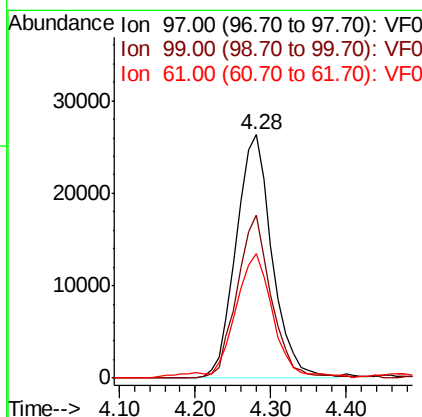
RT: 4.28 min Scan# 380

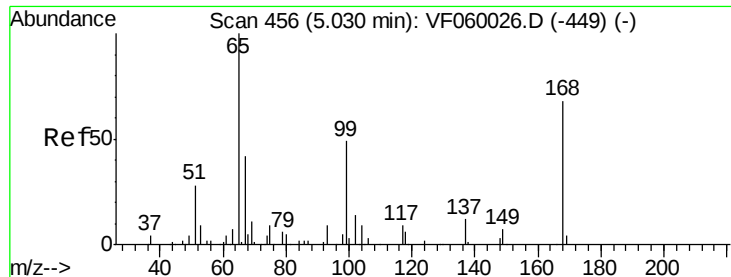
Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion:	97	Resp:	87099
Ion Ratio	Lower	Upper	
97	100		
99	67.1	50.3	75.5
61	51.2	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 50.42 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 65 Resp: 143076

Ion Ratio Lower Upper

65 100

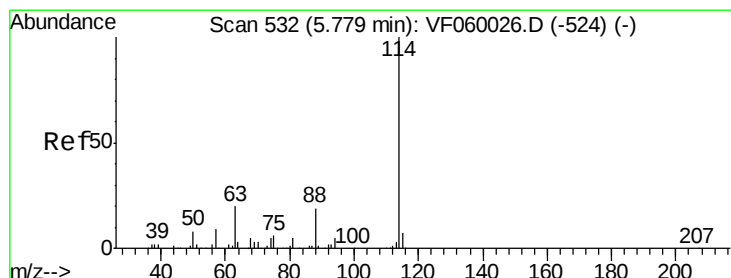
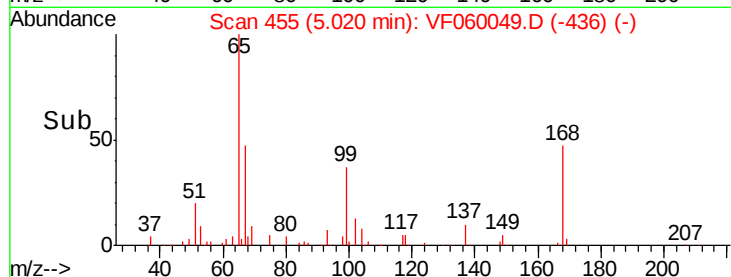
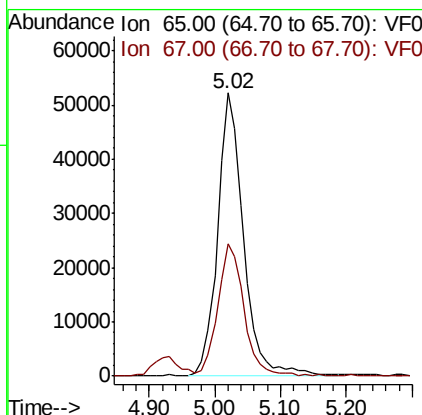
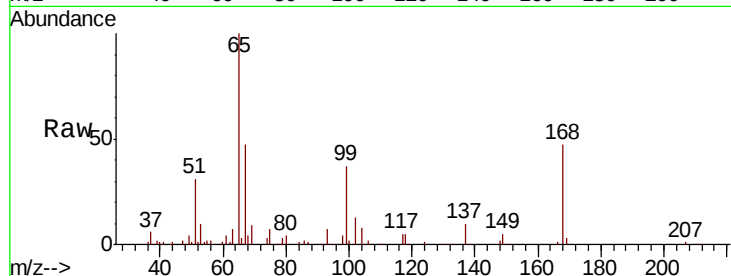
67 46.7 0.0 92.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

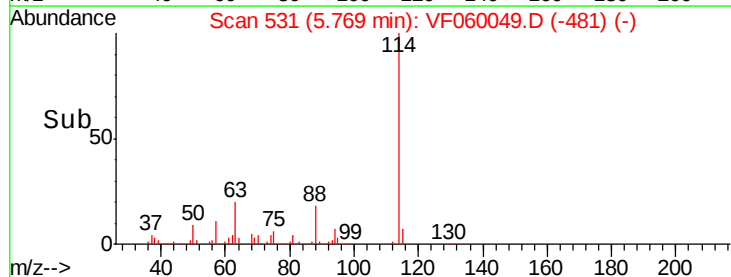
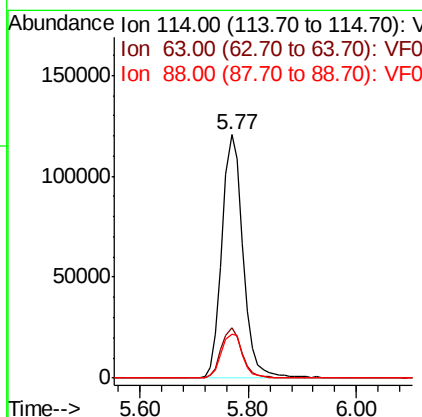
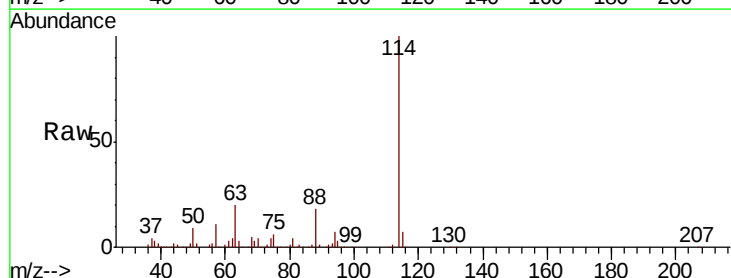
Tgt Ion: 114 Resp: 325891

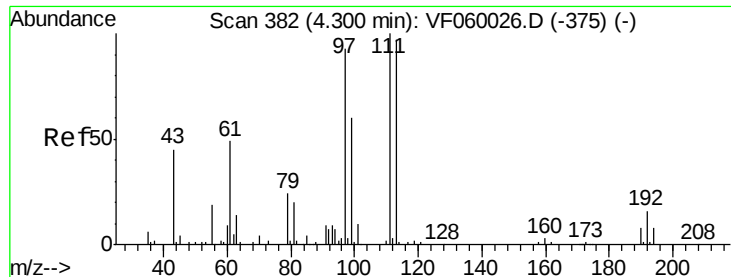
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.4

88 18.2 0.0 38.6





#35

Dibromofluoromethane

Concen: 52.28 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion:113 Resp: 133785

Ion Ratio Lower Upper

113 100

111 96.7 82.7 124.1

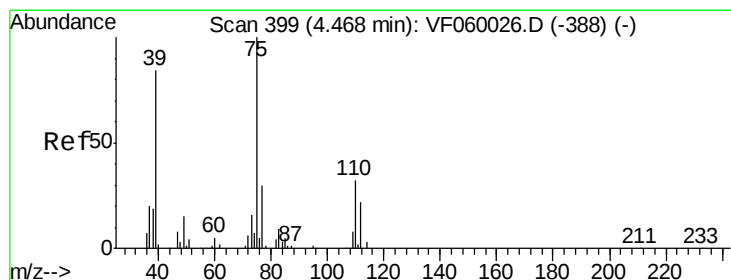
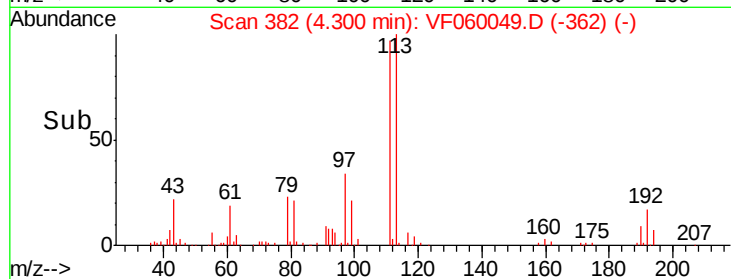
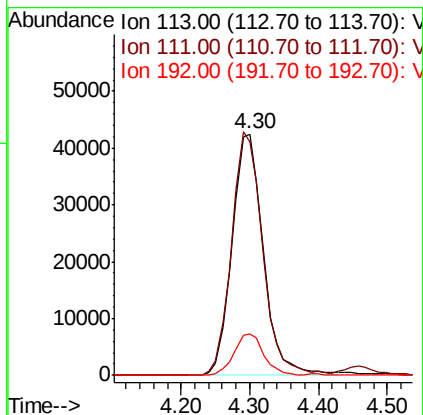
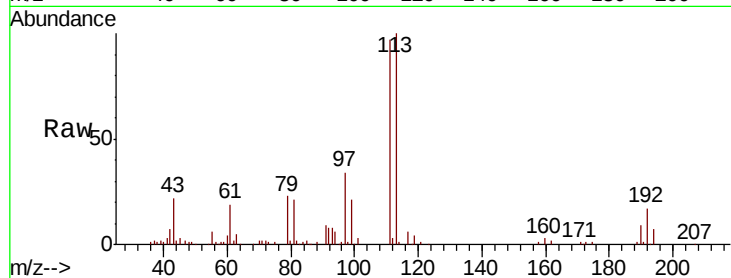
192 17.4 13.0 19.4

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 21.17 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

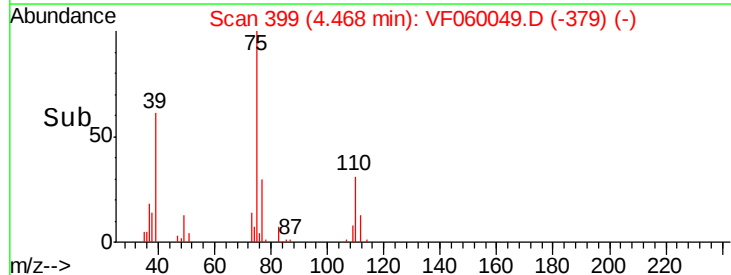
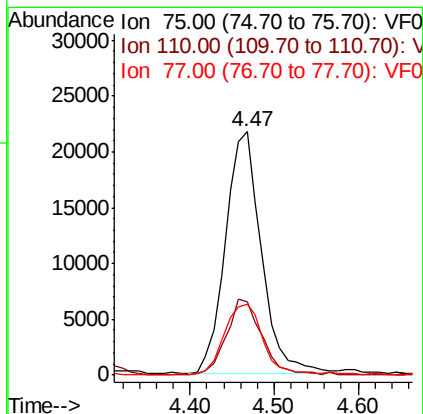
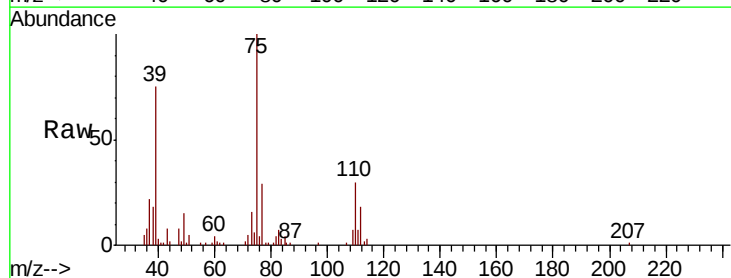
Tgt Ion: 75 Resp: 64837

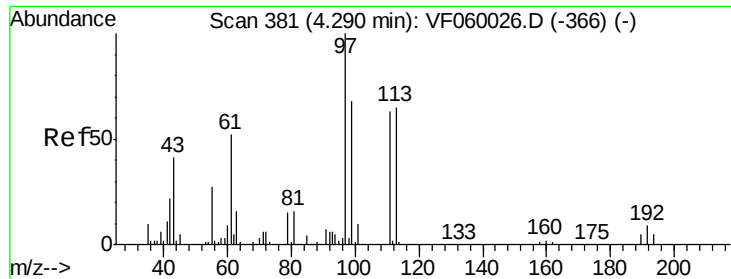
Ion Ratio Lower Upper

75 100

110 30.2 16.0 47.9

77 29.3 24.1 36.1





#37

Ethyl Acetate

Concen: 22.33 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

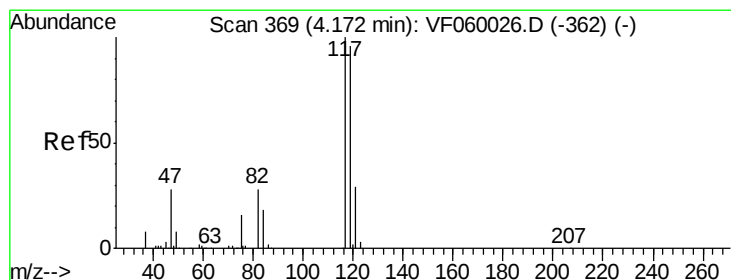
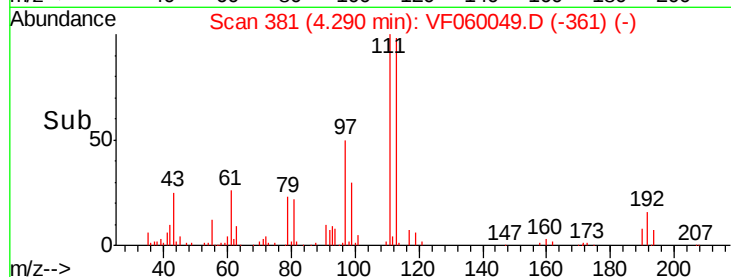
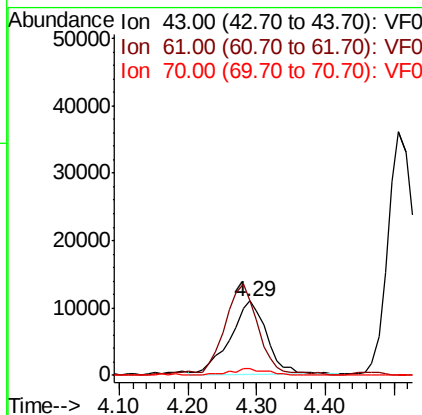
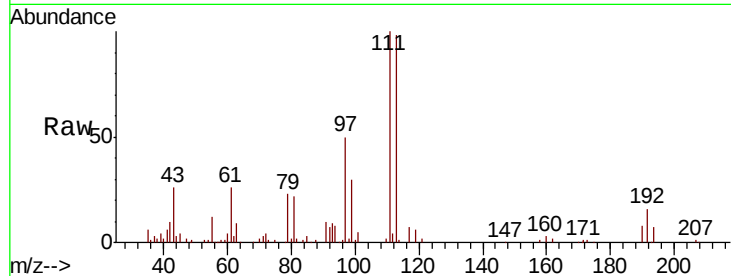
ClientSampleId :

VF0823SBS01

Tot Ion:	43	Resp:	40902
Ion	Ratio	Lower	Upper
43	100		
61	100.2	101.5	152.3#
70	9.6	6.4	9.6#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.34 ug/l

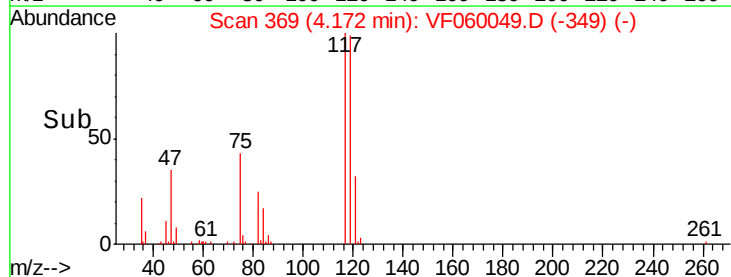
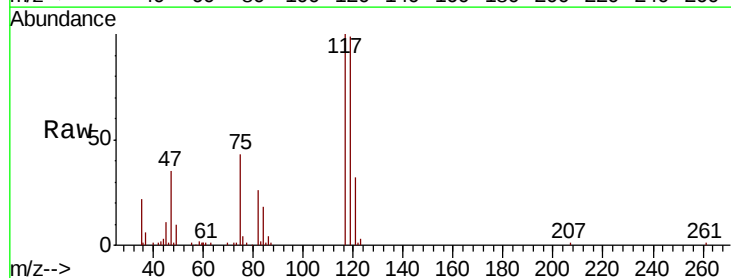
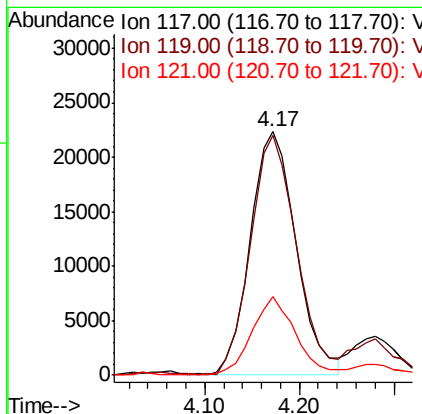
RT: 4.17 min Scan# 369

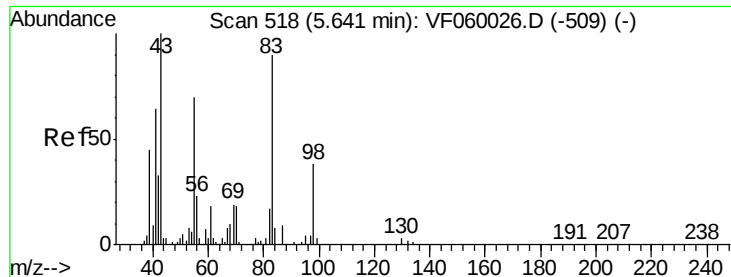
Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion:	117	Resp:	75670
Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.5	114.7
121	32.2	23.0	34.6





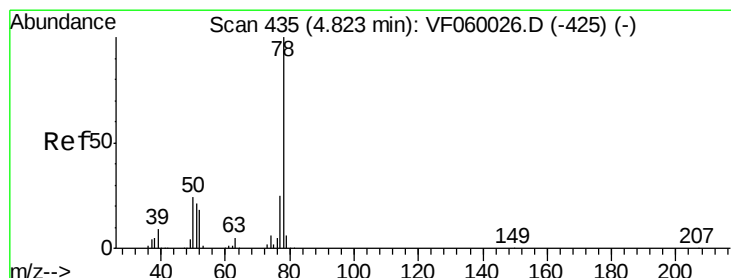
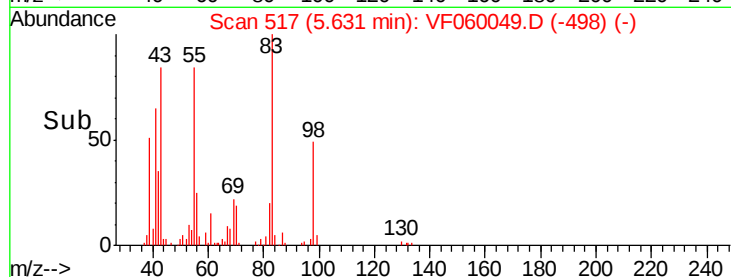
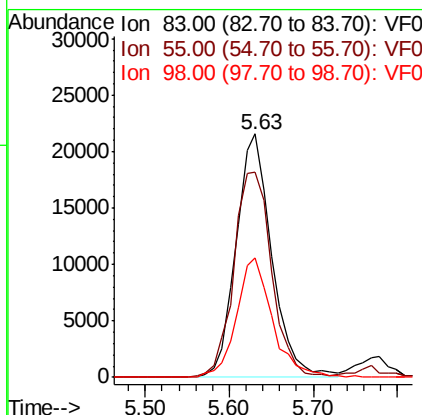
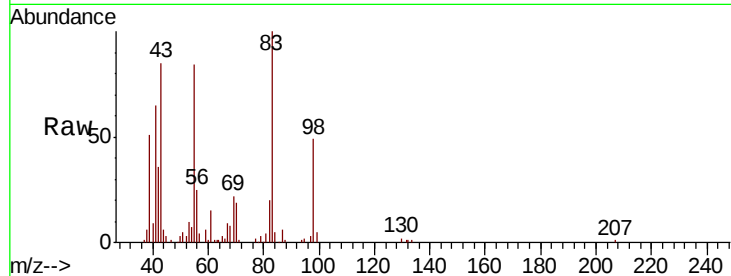
#39
Methvlcvclohexane
Concen: 22.29 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.1	62.7	94.1
98	49.2	33.8	50.8

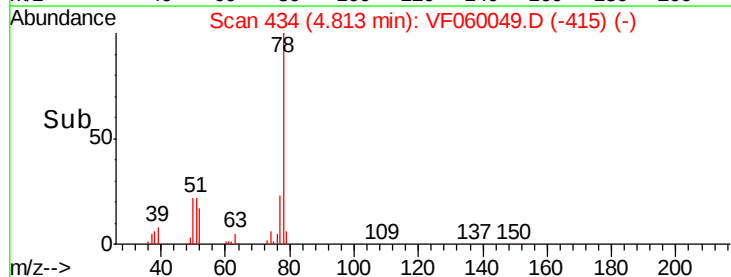
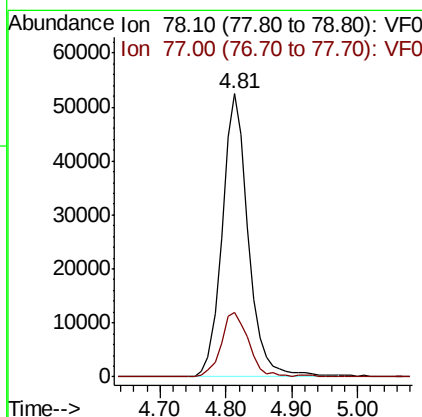
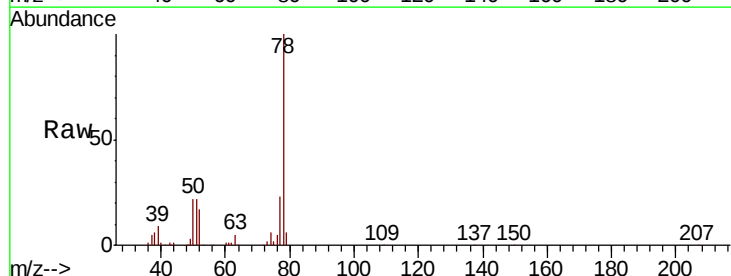
Manual Integrations
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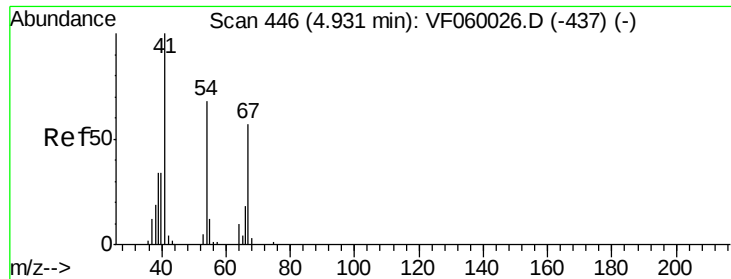
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#40
Benzene
Concen: 21.72 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.8	29.6





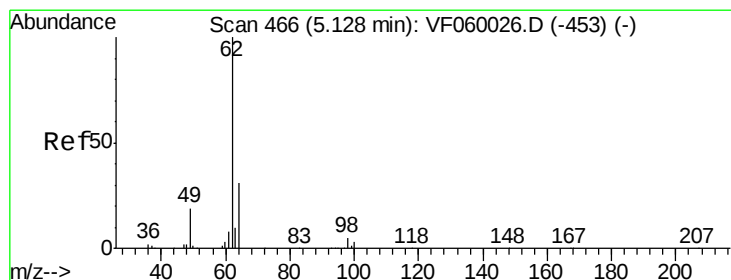
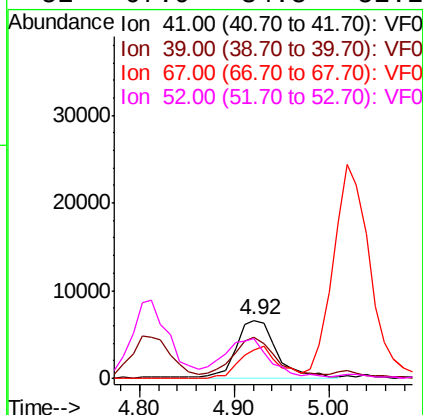
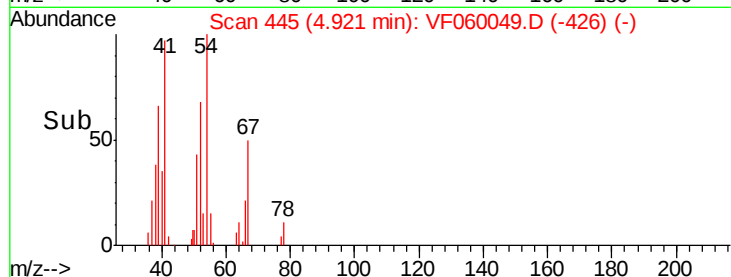
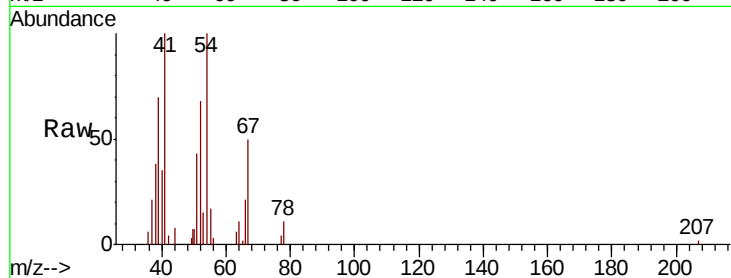
#41
Methacrylonitrile
Concen: 21.31 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.0	52.9	79.3
67	50.0	45.3	67.9
52	67.9	34.8	52.2#

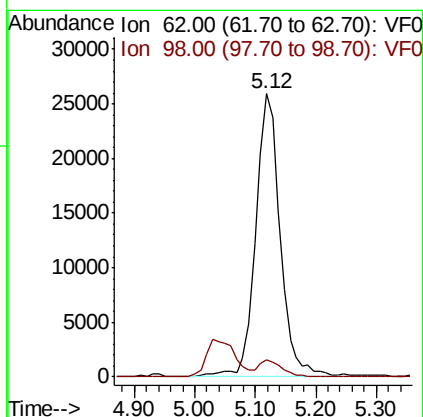
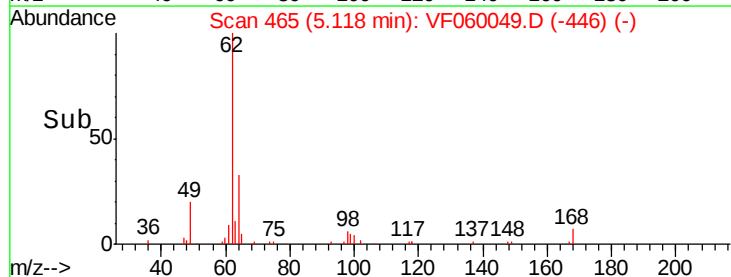
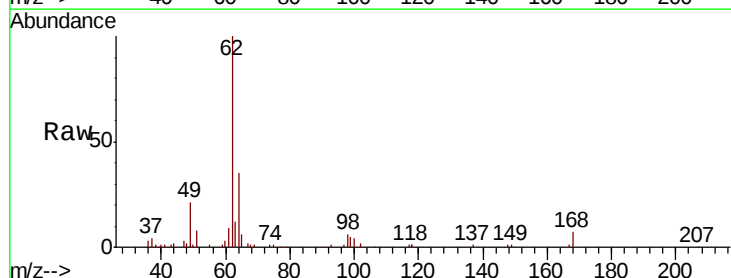
Manual Integrations
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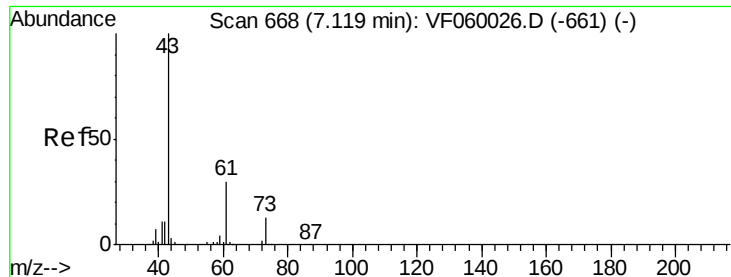
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.40 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	11.2





#43

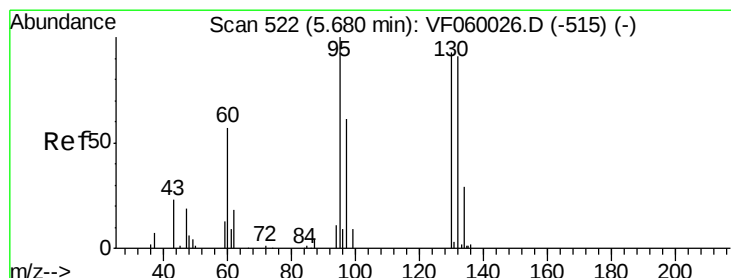
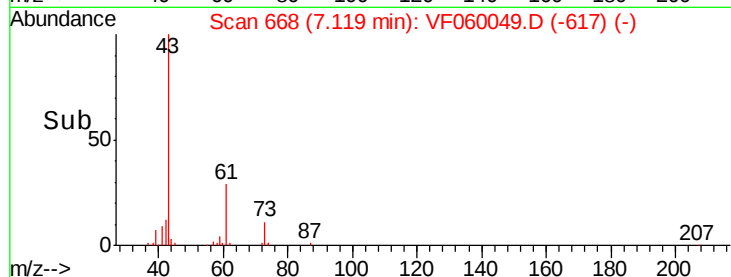
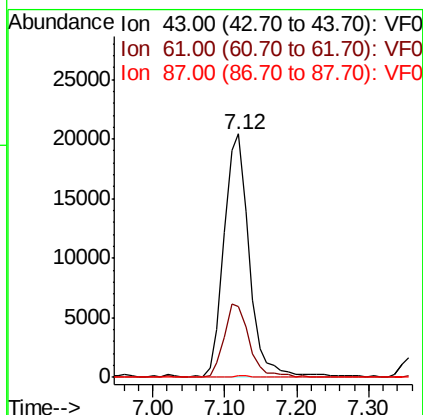
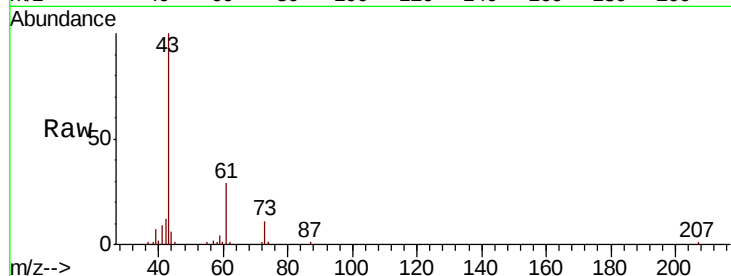
Isopropyl Acetate
 Concen: 21.59 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.8	35.6
87	0.6	0.2	0.4

Manual Integrations
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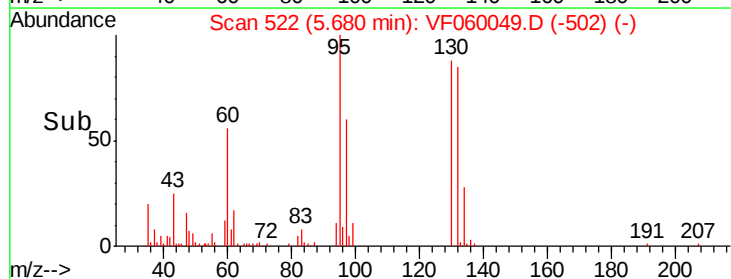
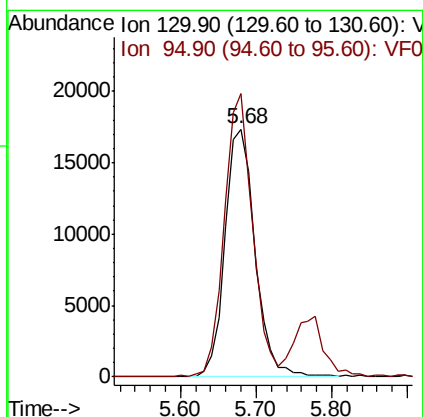
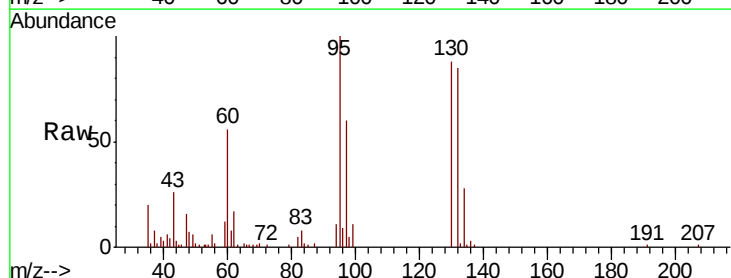
MMDadoda
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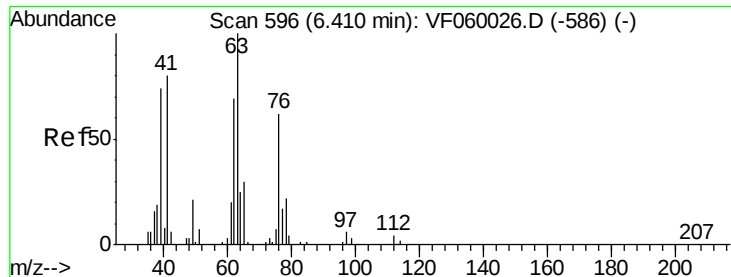


#44

Trichloroethene
 Concen: 21.64 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.2	0.0	215.8





#45

1,2-Dichloropropane

Concen: 22.67 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 63 Resp: 42906

Ion Ratio Lower Upper

63 100

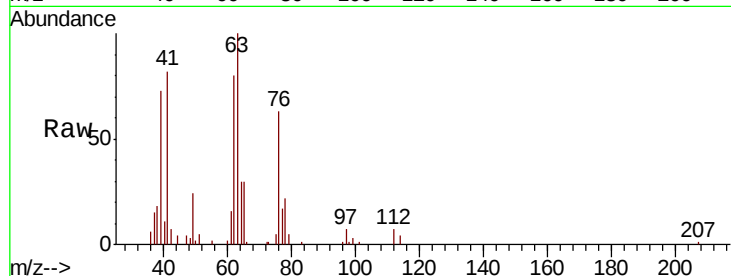
65 29.9 23.8 35.6

Manual Integrations

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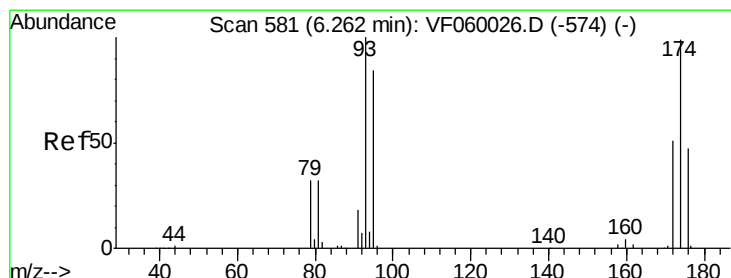
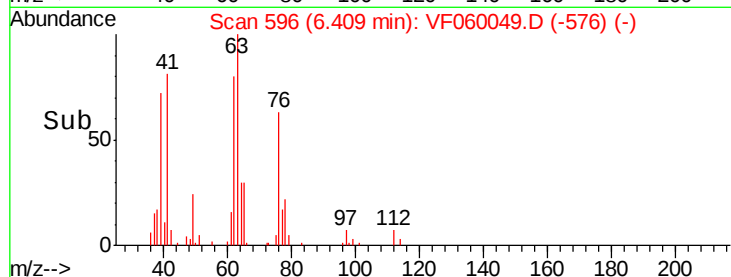
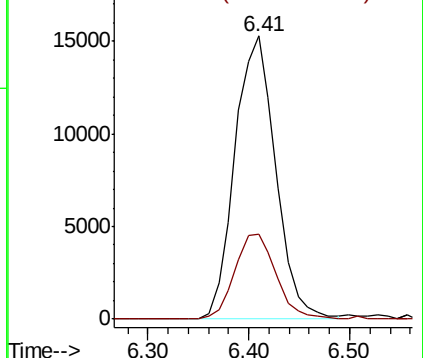
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.07 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

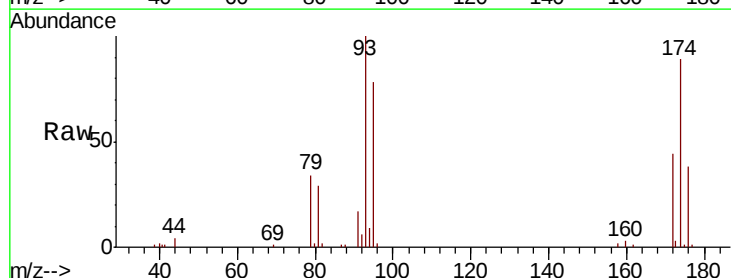
Tgt Ion: 93 Resp: 32676

Ion Ratio Lower Upper

93 100

95 77.6 67.1 100.7

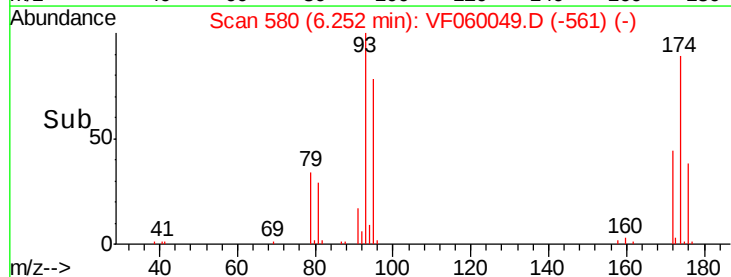
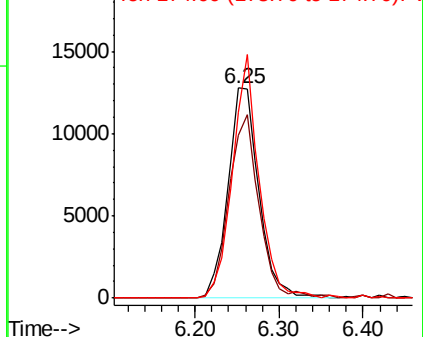
174 88.7 79.0 118.4

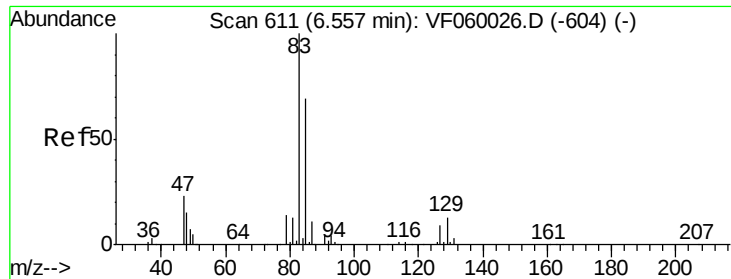


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.80 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

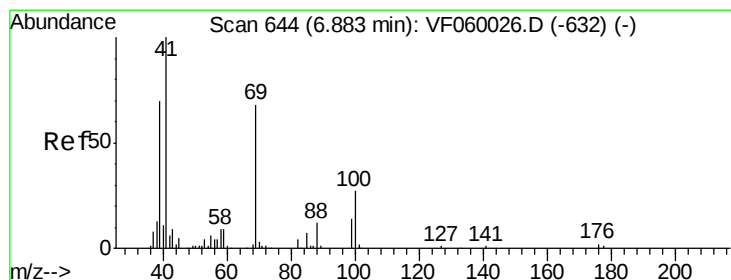
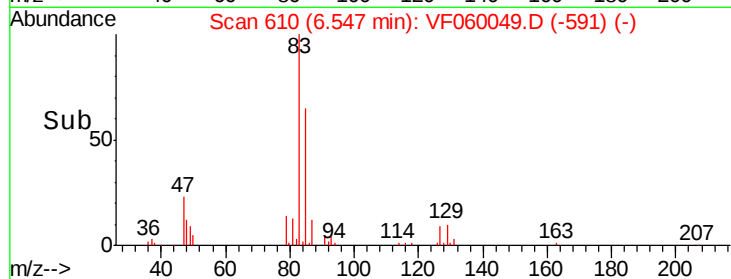
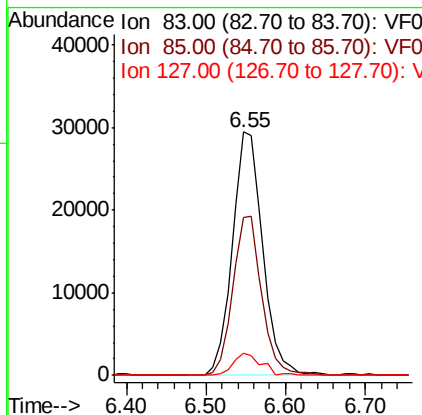
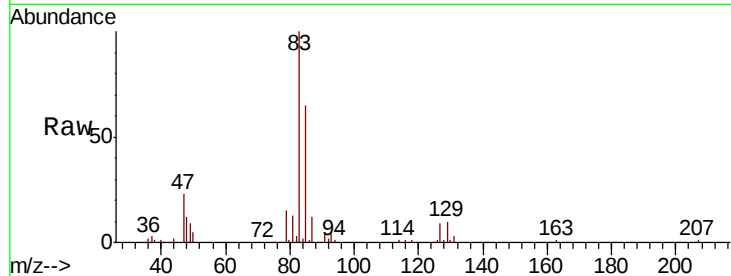
ClientSampleId :

VF0823SBS01

Tot Ion:	83	Resp:	77953
Ion	Ratio	Lower	Upper
83	100		
85	64.7	55.2	82.8
127	9.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.96 ug/l

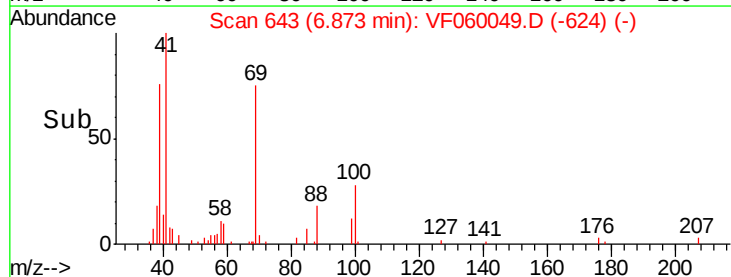
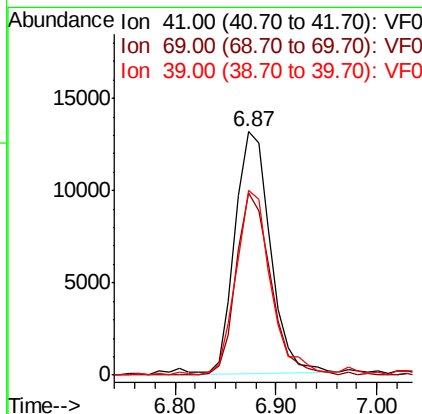
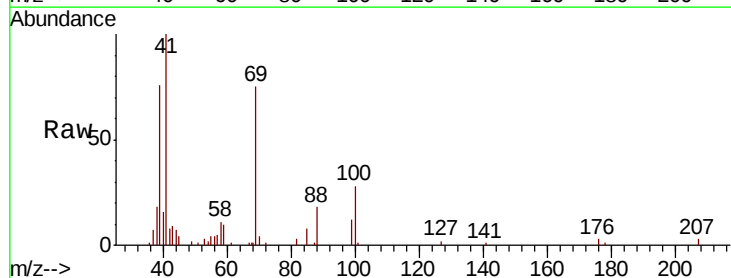
RT: 6.87 min Scan# 643

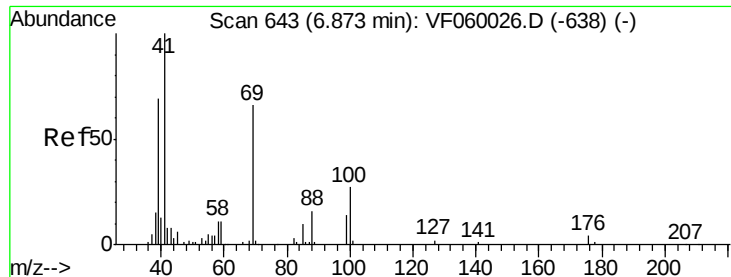
Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion:	41	Resp:	31975
Ion	Ratio	Lower	Upper
41	100		
69	74.8	54.6	81.8
39	76.0	56.5	84.7





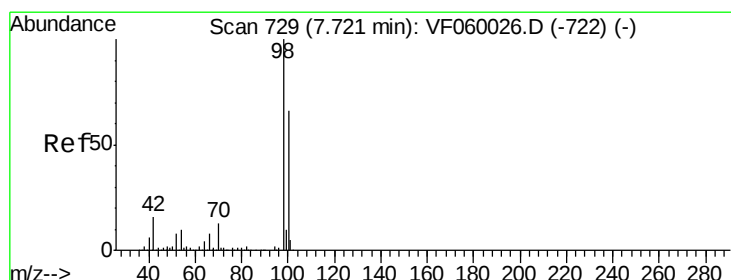
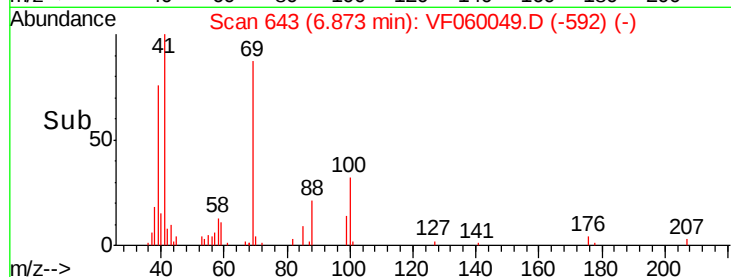
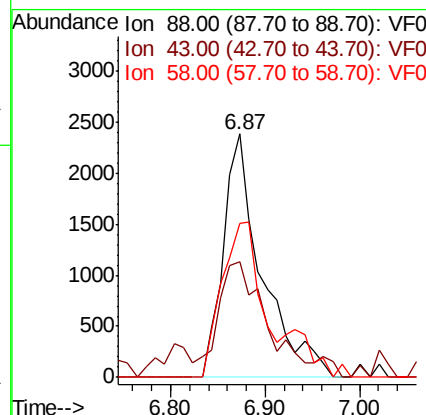
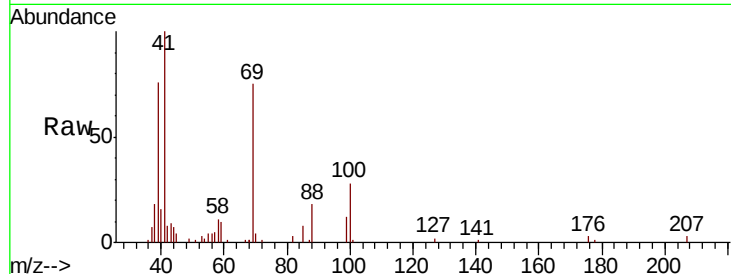
#49
1,4-Dioxane
Concen: 460.13 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.6	46.5	69.7
58	63.3	54.8	82.2

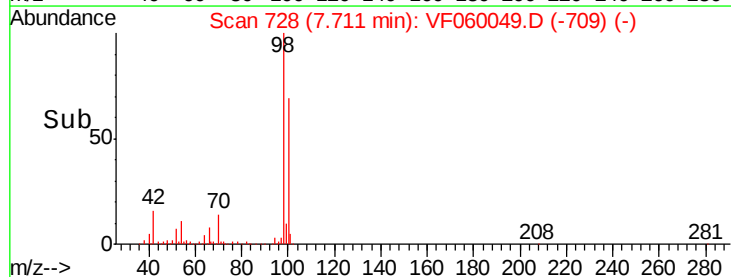
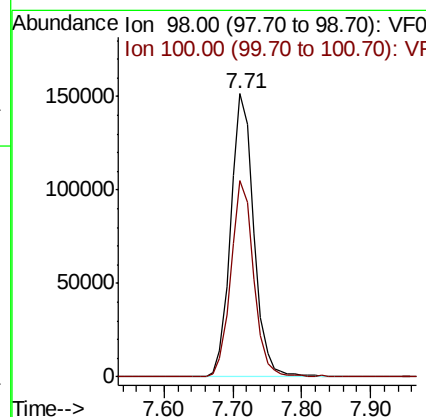
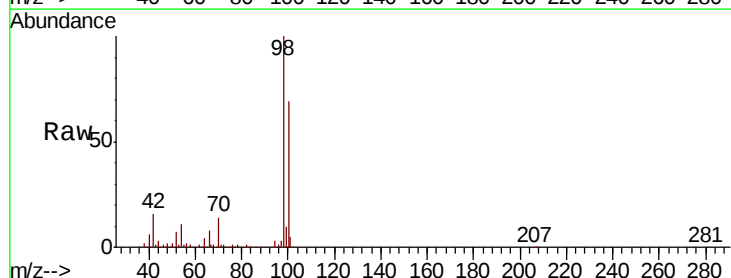
Manual Integrations
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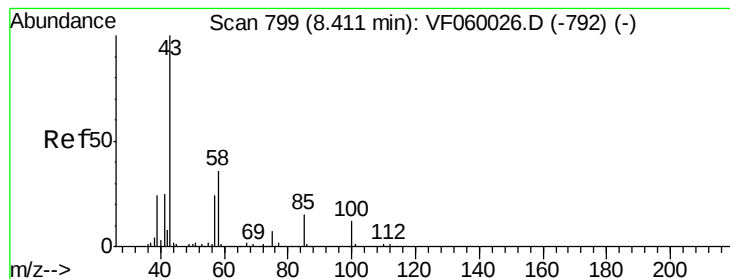
MMDadoda
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#50
Toluene-d8
Concen: 48.46 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 117.59 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 43 Resp: 234080

Ion Ratio Lower Upper

43 100

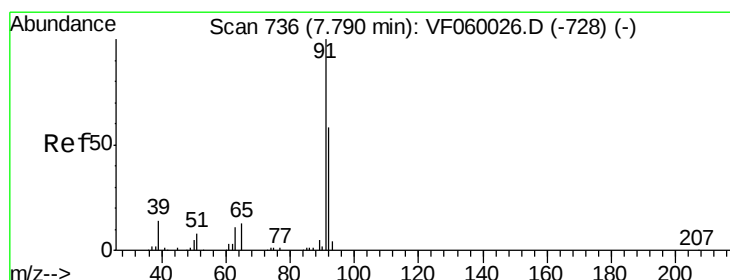
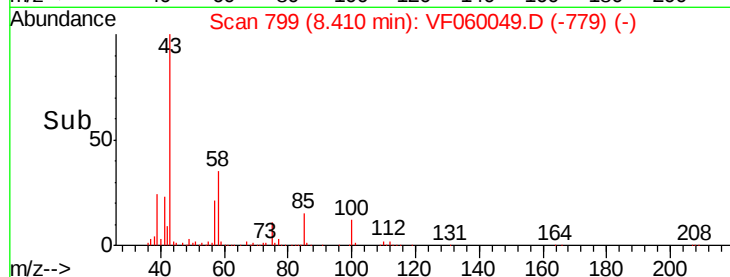
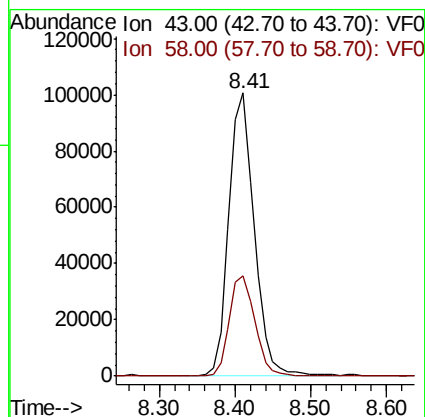
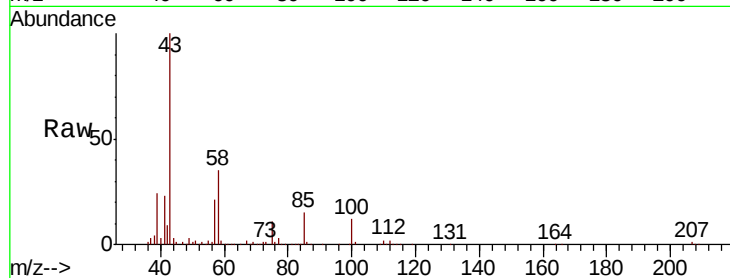
58 35.3 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 21.63 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060049.D

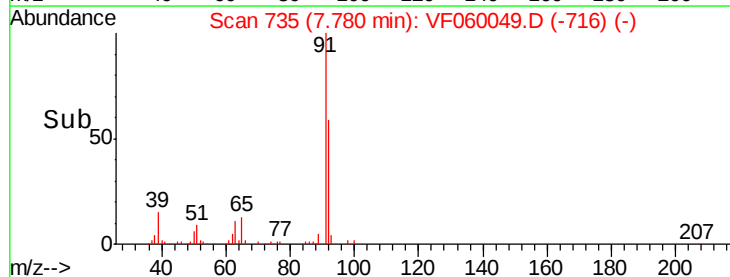
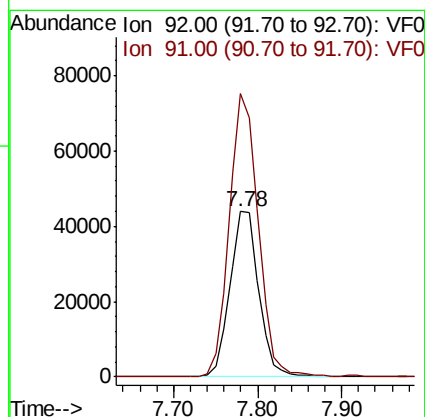
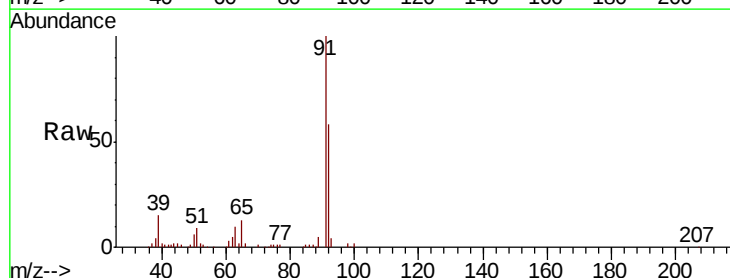
Acq: 23 Aug 2018 13:22

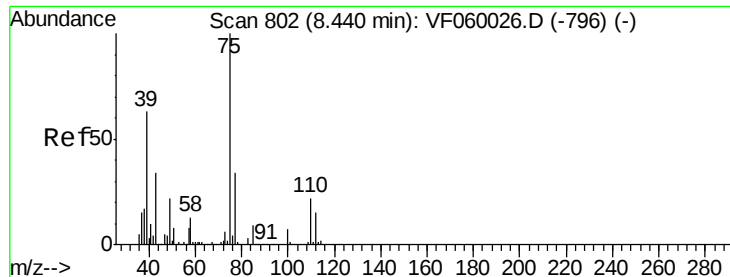
Tgt Ion: 92 Resp: 105072

Ion Ratio Lower Upper

92 100

91 171.2 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 21.59 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 75 Resp: 70011

Ion Ratio Lower Upper

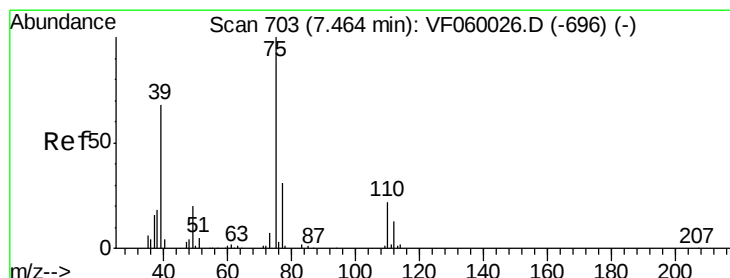
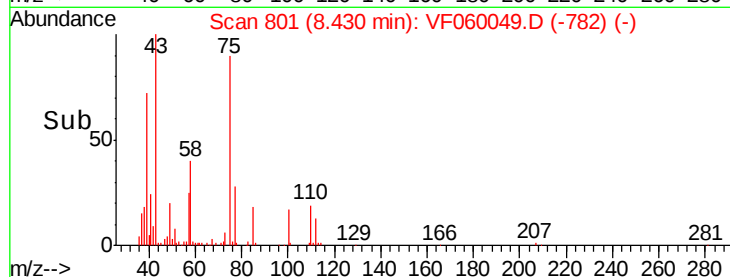
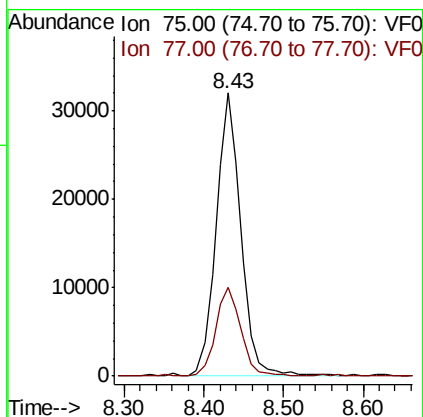
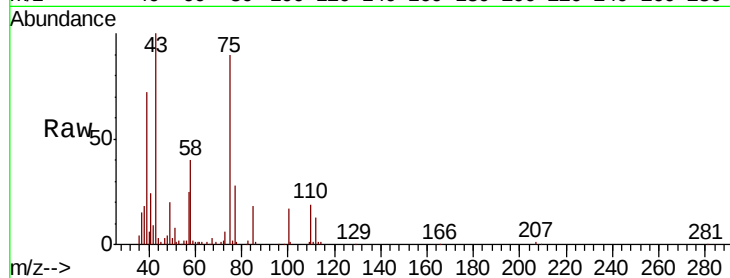
75 100

77 31.5 27.4 41.2

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 21.81 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

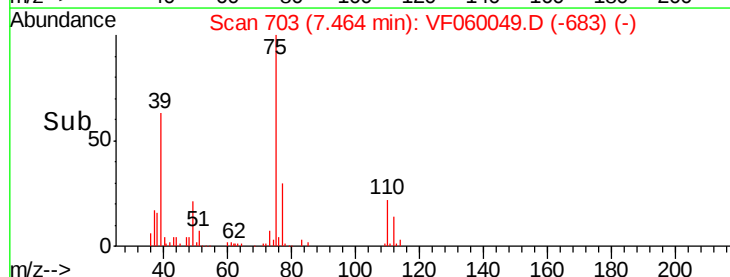
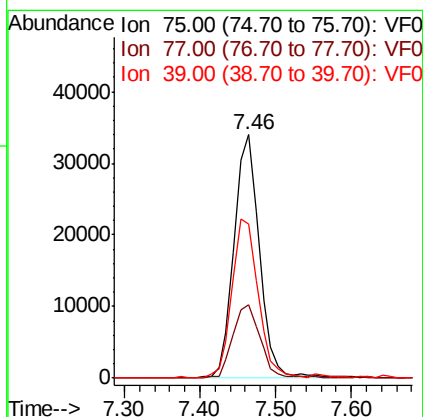
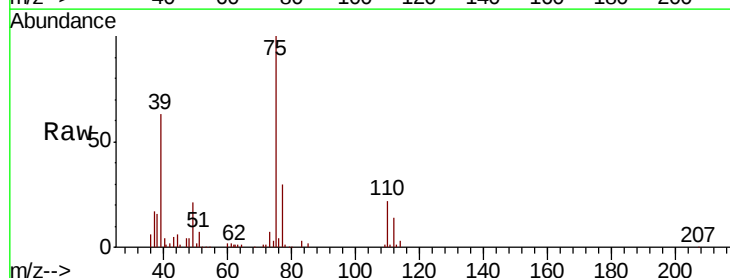
Tgt Ion: 75 Resp: 78939

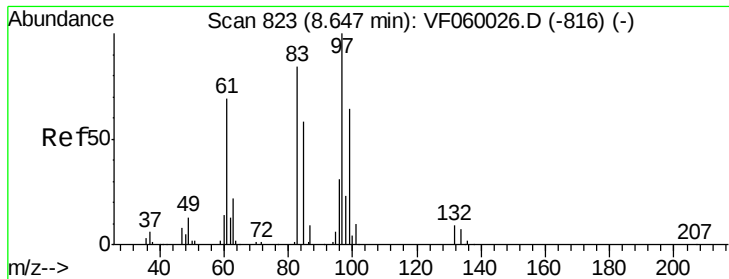
Ion Ratio Lower Upper

75 100

77 30.1 24.6 37.0

39 63.3 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 22.10 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

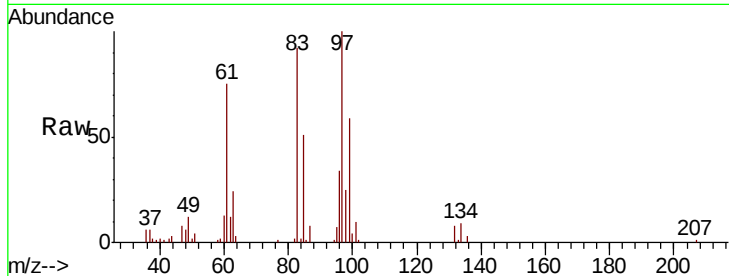
ClientSampleId :

VF0823SBS01

Tot Ion:	97	Resp:	39892
Ion	Ratio	Lower	Upper
97	100		
83	92.0	67.4	101.2
85	51.4	46.2	69.2
99	59.4	51.1	76.7

Manual Integrations
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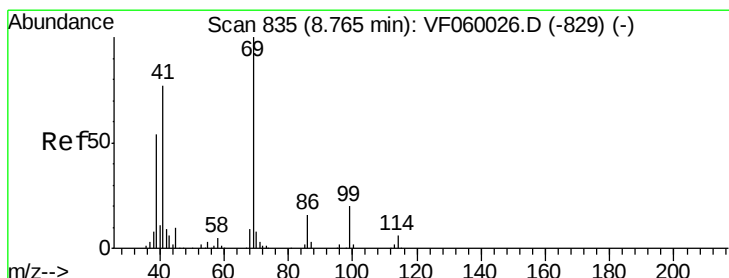
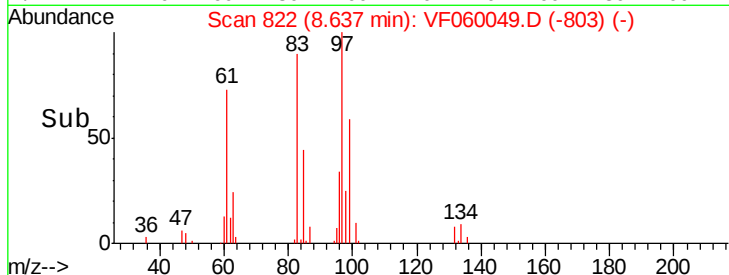
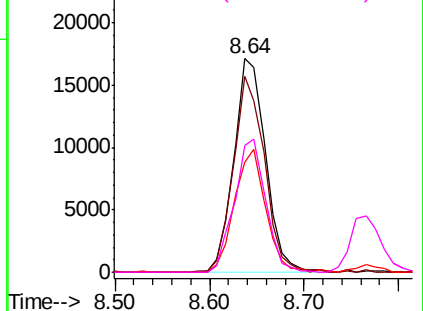
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 21.79 ug/l

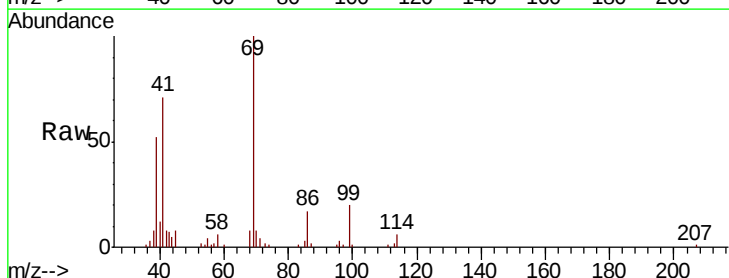
RT: 8.77 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion:	69	Resp:	47618
Ion	Ratio	Lower	Upper
69	100		
41	71.0	61.6	92.4
39	51.5	43.9	65.9

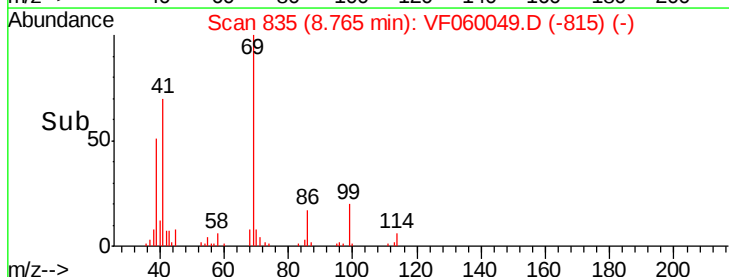
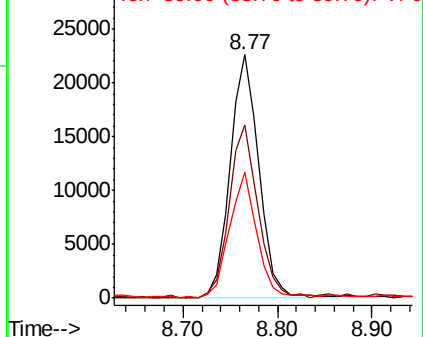


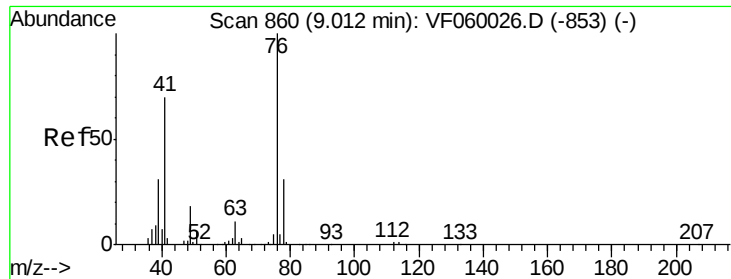
Abundance

Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.48 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 76 Resp: 71335

Ion Ratio Lower Upper

76 100

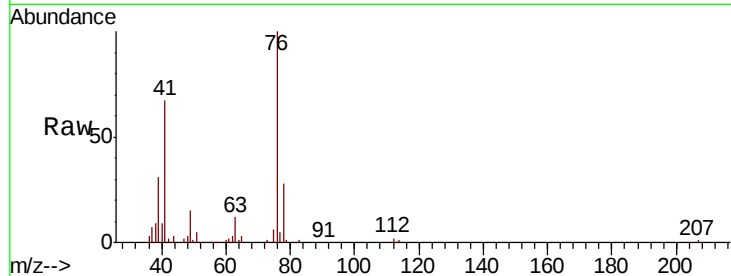
78 28.5 25.2 37.8

Manual Integrations

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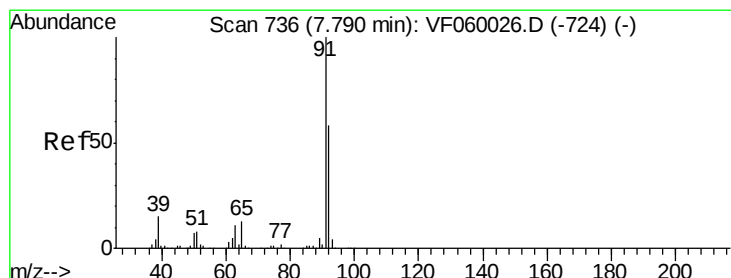
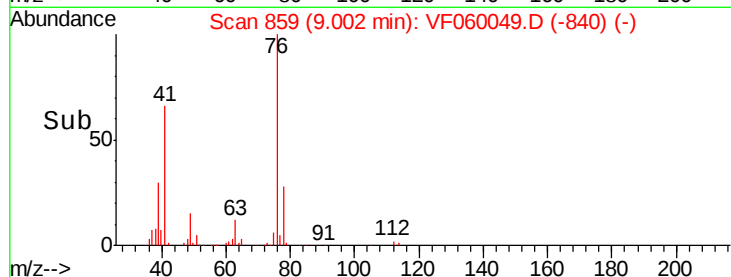
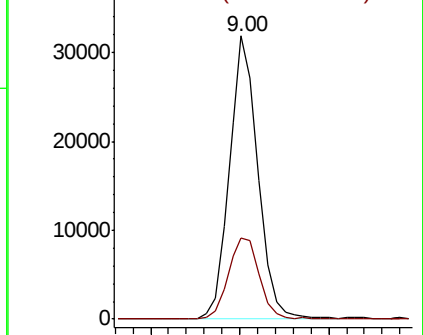
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 98.00 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060049.D

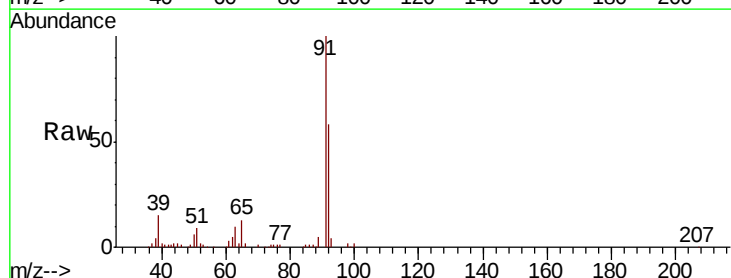
Acq: 23 Aug 2018 13:22

Tgt Ion: 63 Resp: 16996

Ion Ratio Lower Upper

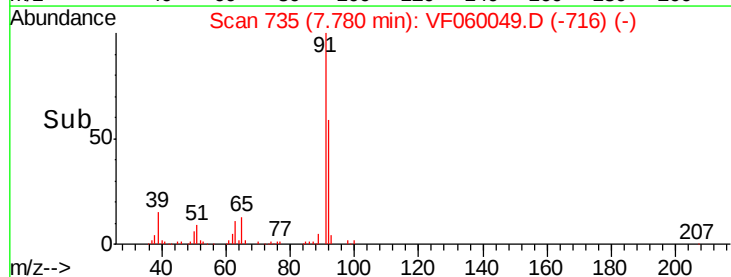
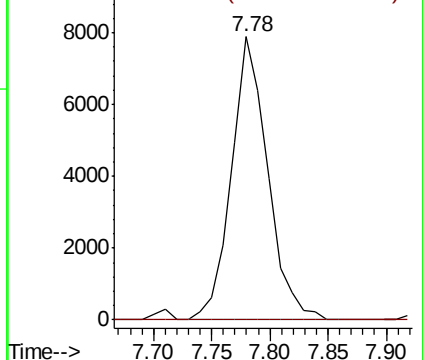
63 100

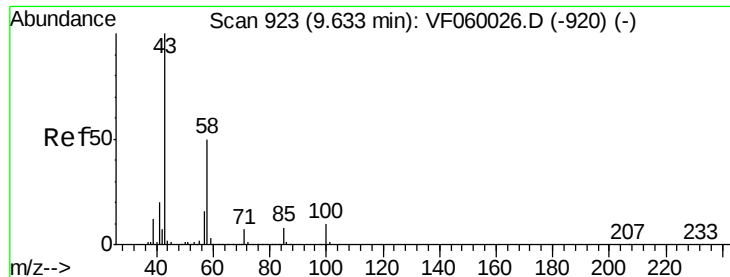
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





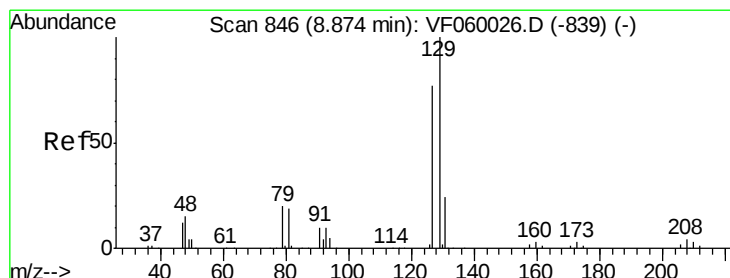
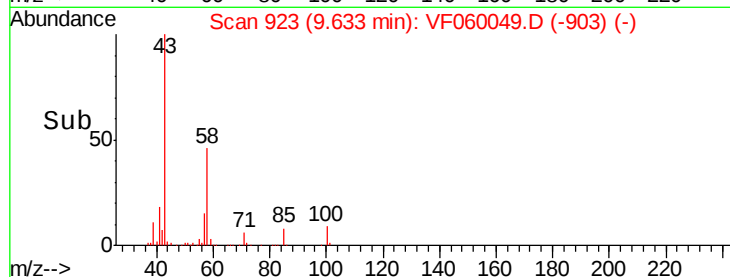
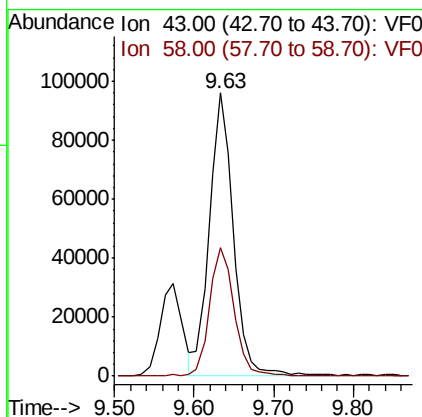
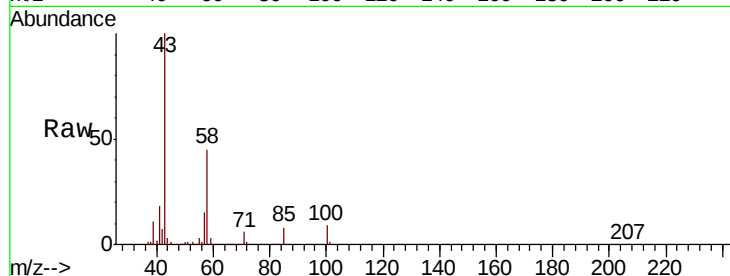
#59
2-Hexanone
Concen: 125.23 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS01

Tot Ion: 43 Resp: 201775
Ion Ratio Lower Upper
43 100
58 45.5 23.4 70.2

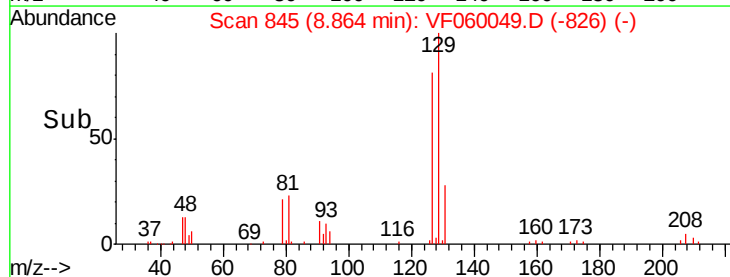
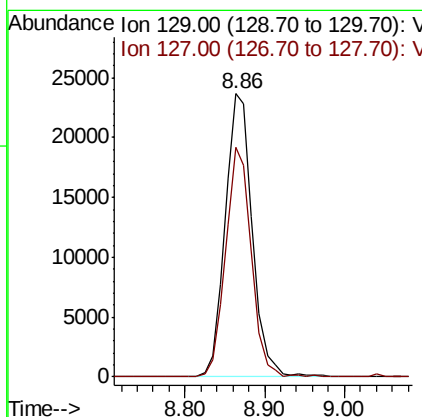
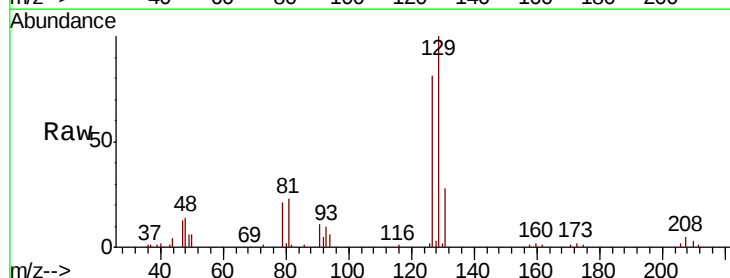
Manual Integrations
APPROVED

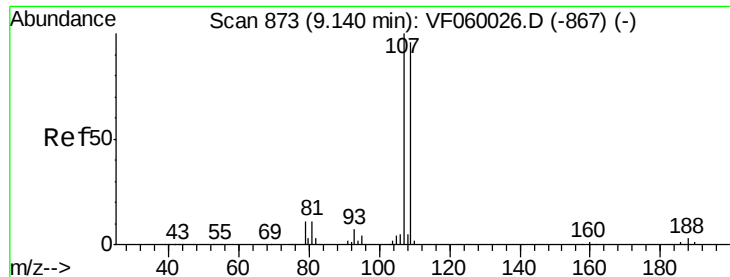
MMDadoda
8/24/2018 4:08:35 PM



#60
Dibromochloromethane
Concen: 21.21 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion: 129 Resp: 56524
Ion Ratio Lower Upper
129 100
127 81.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.36 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 107 Resp: 45286

Ion Ratio Lower Upper

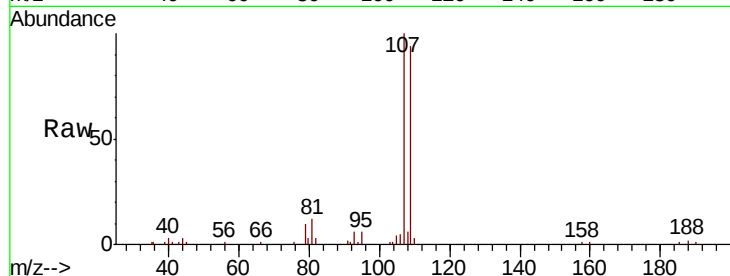
107 100

109 93.8 76.5 114.7

Manual Integrations
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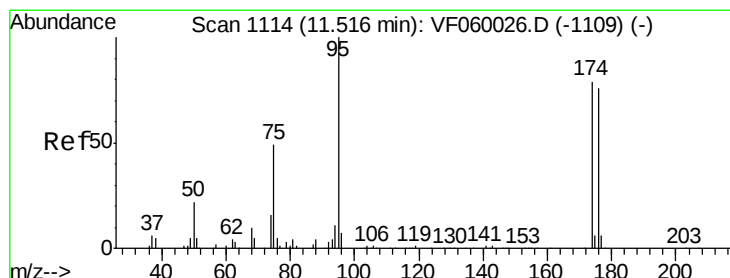
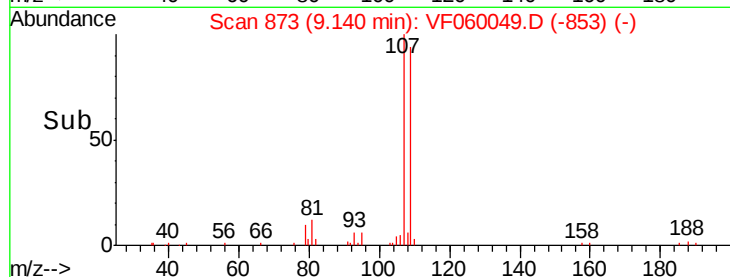
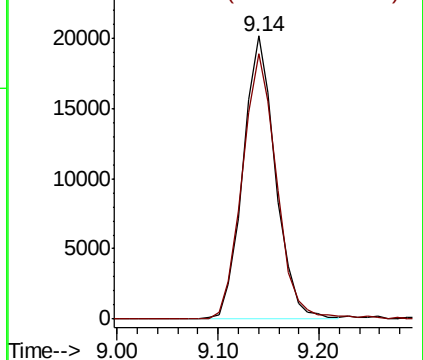
MMDadoda

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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: 50.23 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

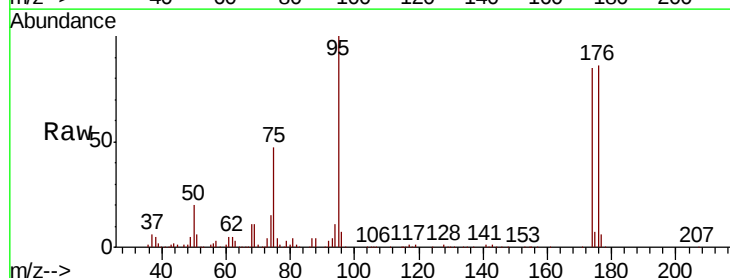
Tgt Ion: 95 Resp: 193128

Ion Ratio Lower Upper

95 100

174 84.6 0.0 158.4

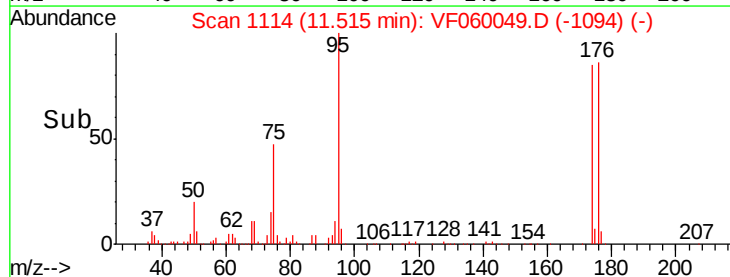
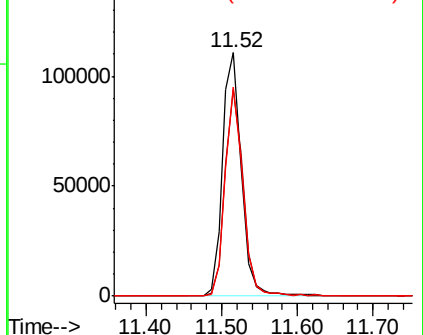
176 86.0 0.0 153.0

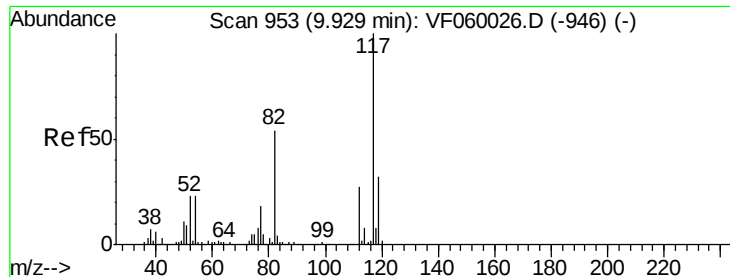


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





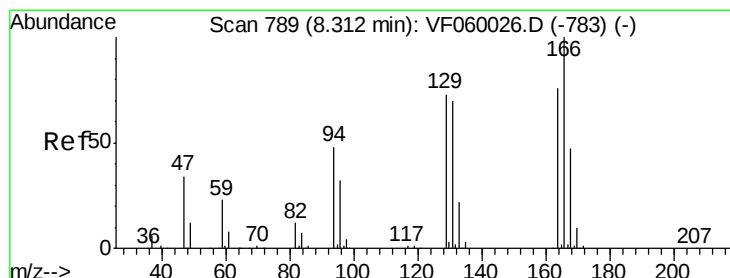
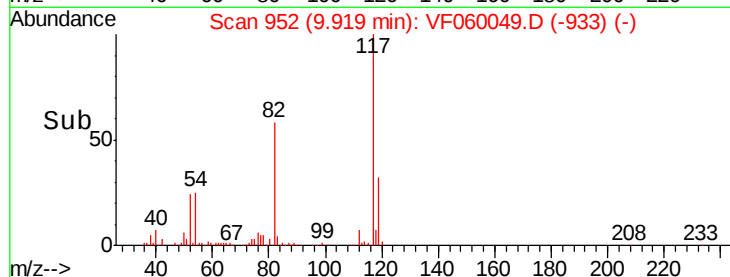
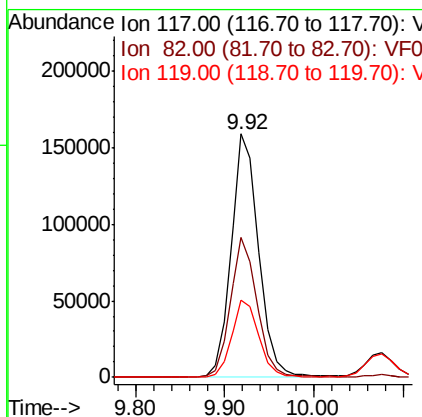
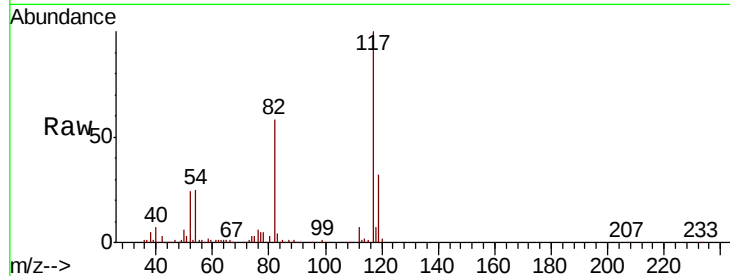
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	43.6	65.4
119	31.5	25.6	38.4

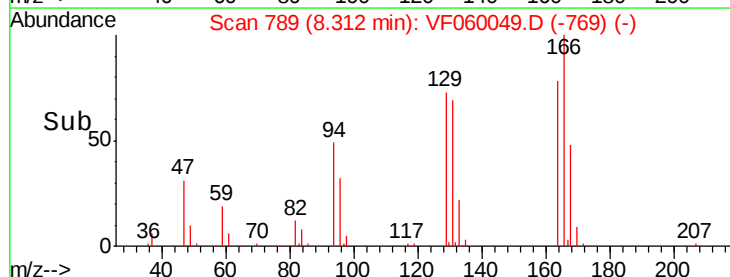
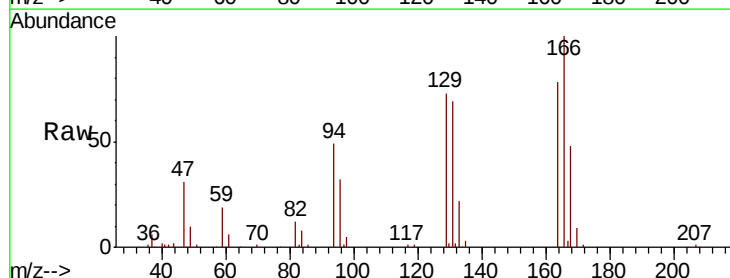
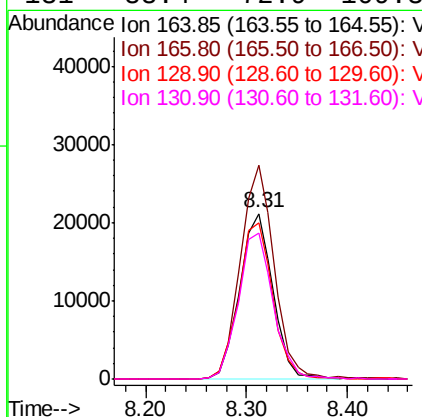
Manual Integrations
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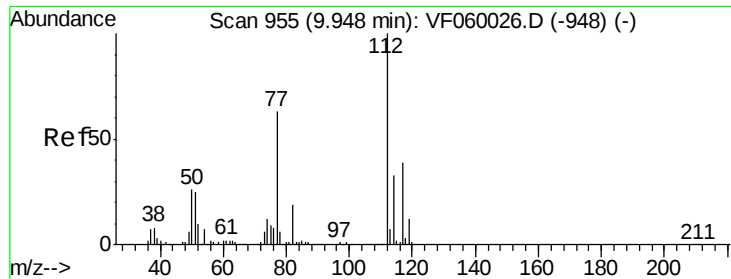
MMDadoda
8/24/2018 4:08:35 PM



#64
Tetrachloroethene
Concen: 21.00 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	104.7	157.1
129	94.3	77.0	115.4
131	88.4	72.9	109.3





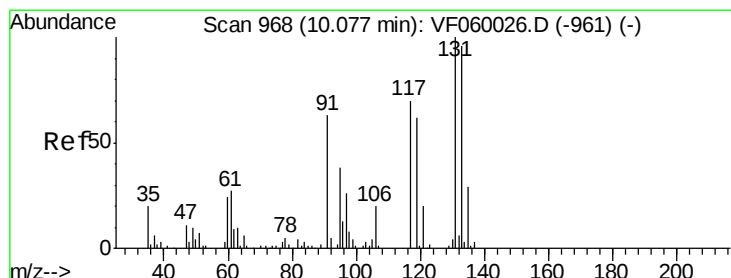
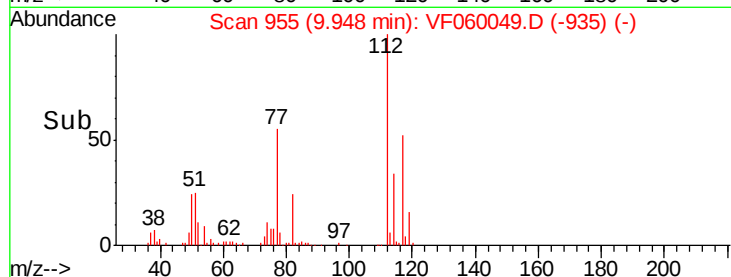
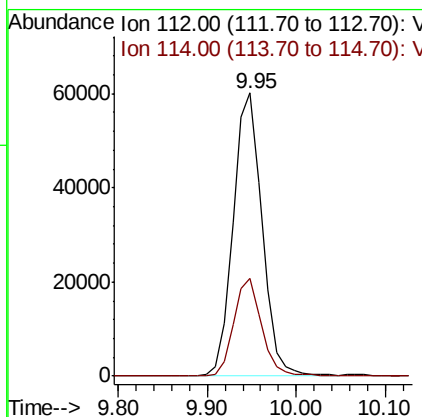
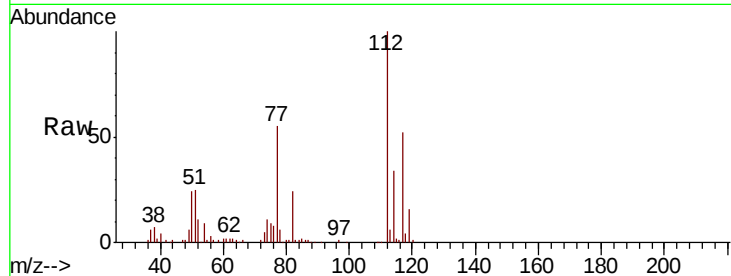
#65
Chlorobenzene
Concen: 21.11 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.4	26.2	39.2

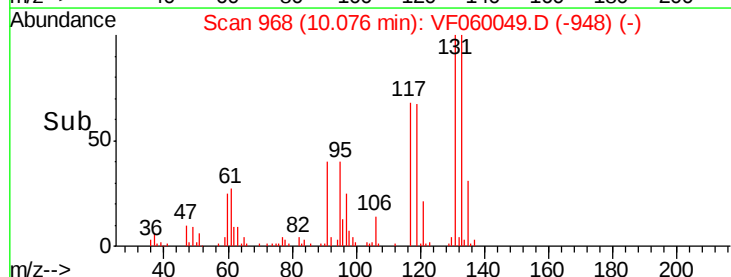
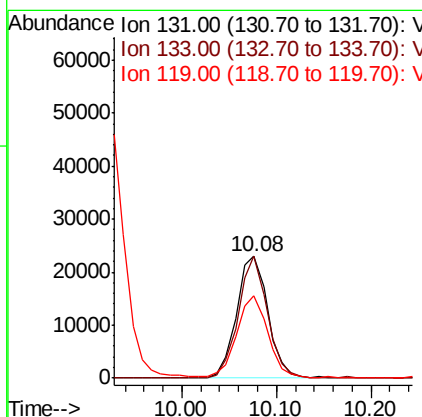
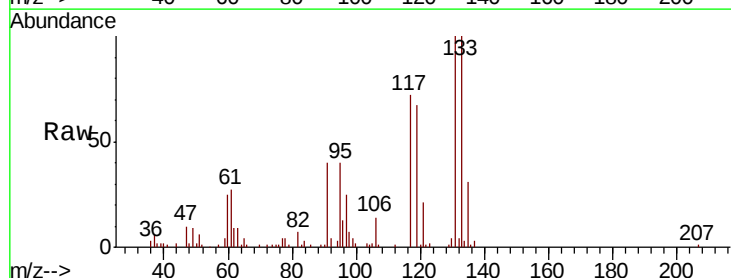
Manual Integrations
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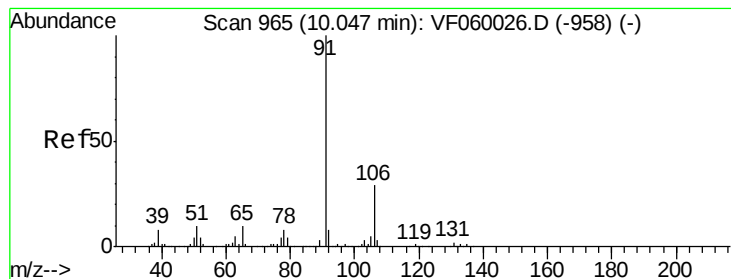
MMDadoda
8/24/2018 4:08:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.37 ug/l
RT: 10.08 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.3	48.2	144.6
119	67.3	31.4	94.2





#67

Ethyl Benzene

Concen: 22.27 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 91 Resp: 248933

Ion Ratio Lower Upper

91 100

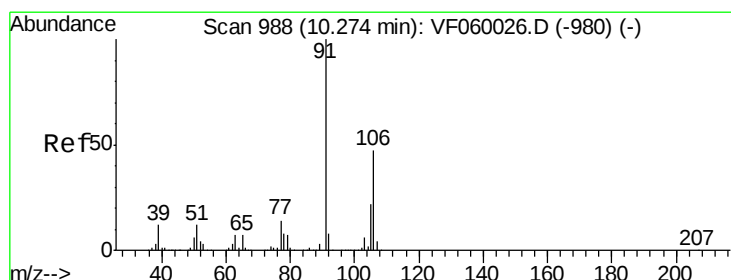
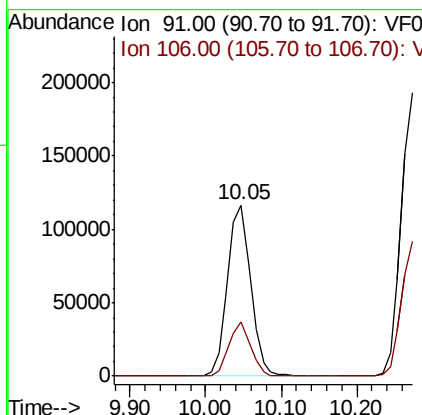
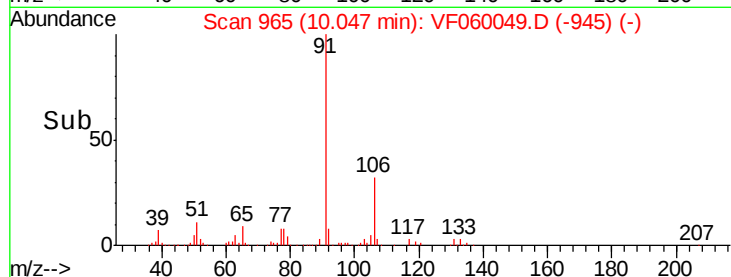
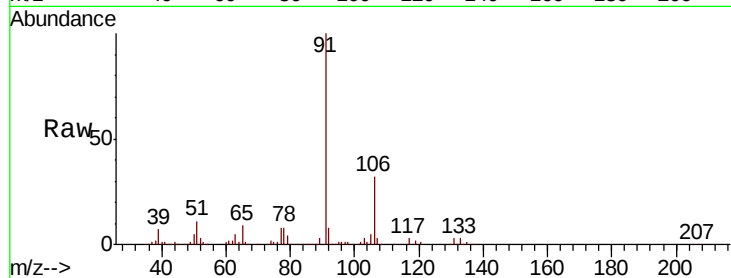
106 32.1 23.6 35.4

Manual Integrations

APPROVED

MMDadoda

8/24/2018 4:08:35 PM



#68

m/p-Xylenes

Concen: 45.67 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF060049.D

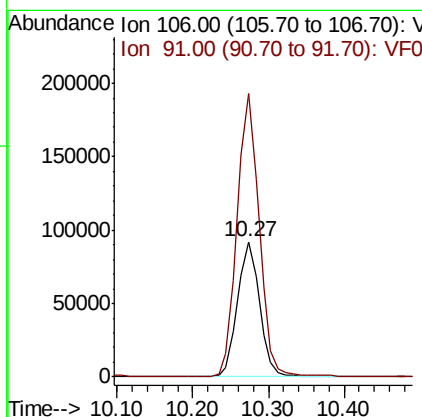
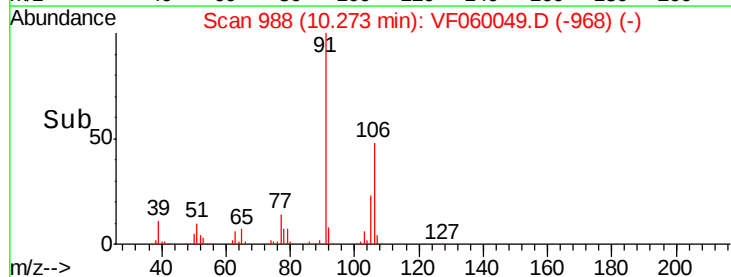
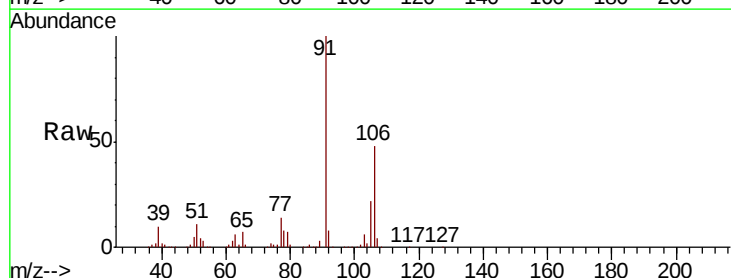
Acq: 23 Aug 2018 13:22

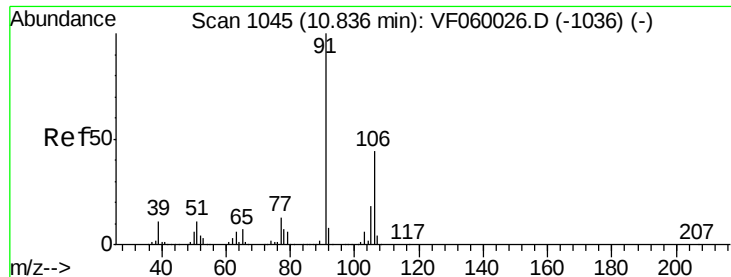
Tgt Ion: 106 Resp: 185830

Ion Ratio Lower Upper

106 100

91 209.1 171.8 257.8





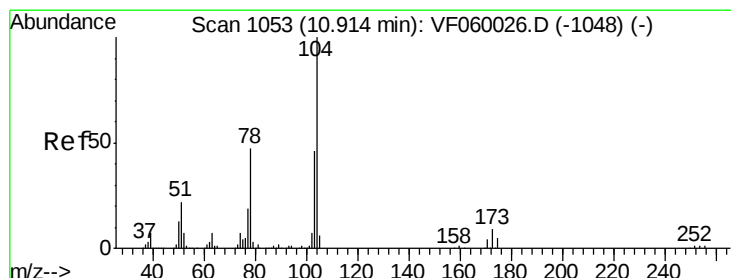
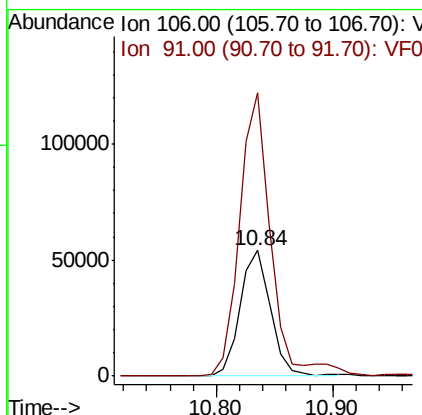
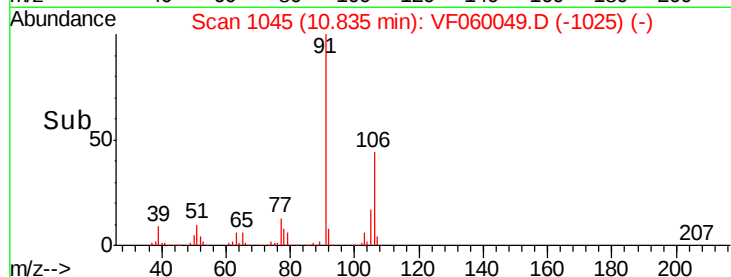
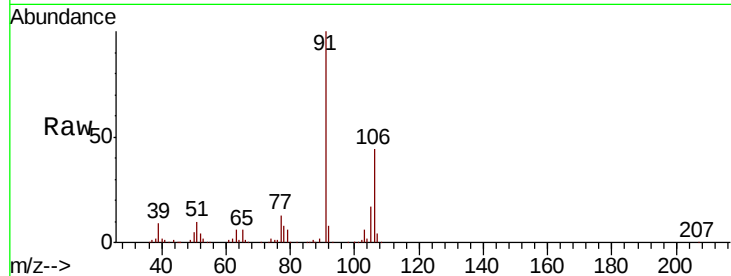
#69
o-Xylene
Concen: 22.44 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.2	112.5	337.5

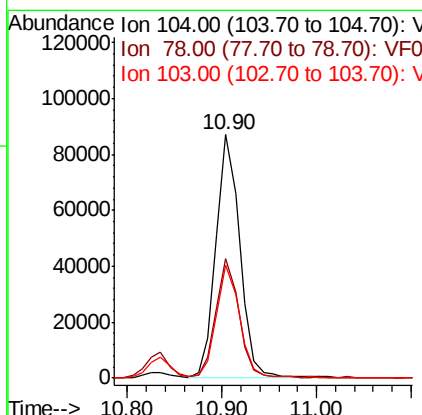
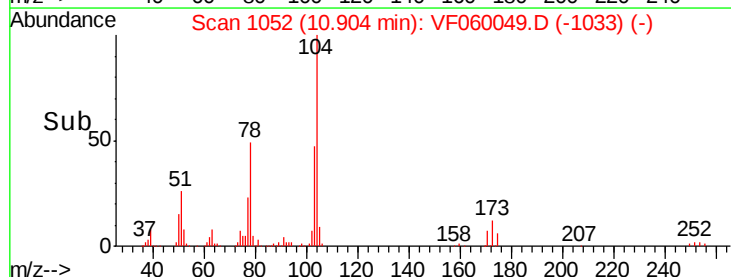
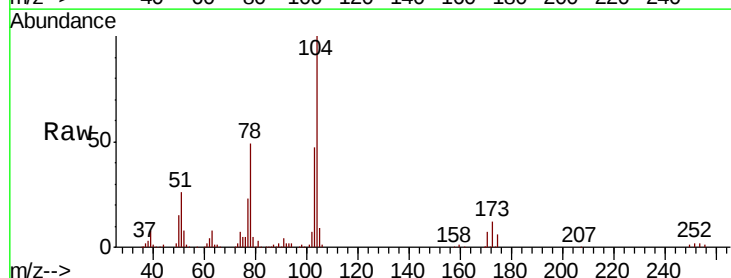
Manual Integrations
APPROVED

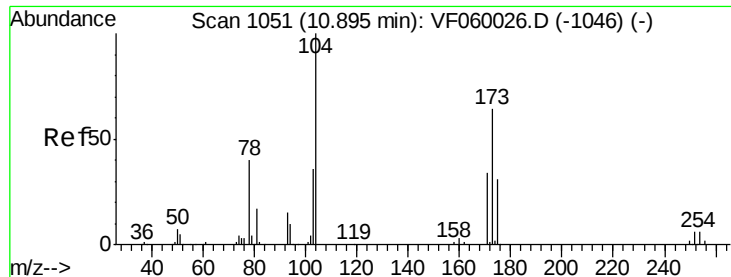
MMDadoda
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#70
Styrene
Concen: 22.85 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	38.0	57.0
103	46.6	37.6	56.4





#71

Bromoform

Concen: 20.87 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion:173 Resp: 35786

Ion Ratio Lower Upper

173 100

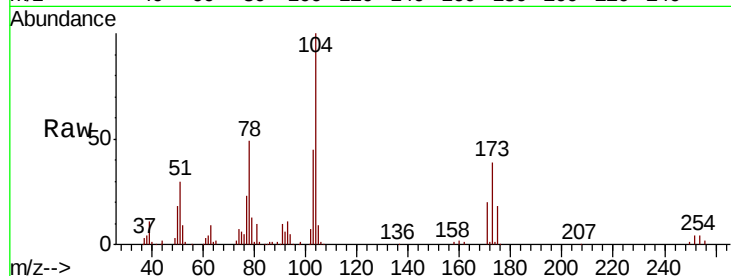
175 46.4 24.7 74.1

254 0.0 0.0 0.0

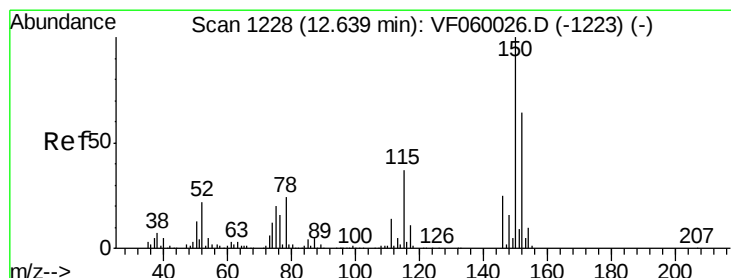
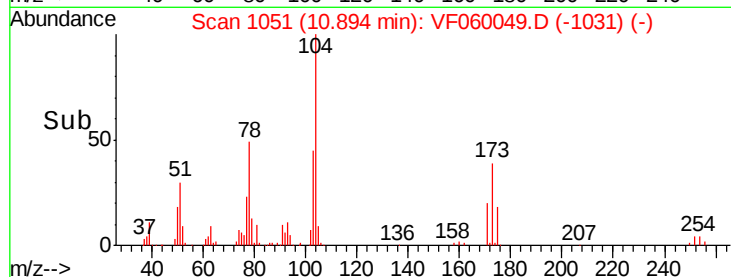
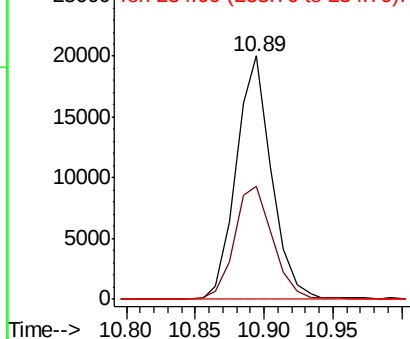
Manual Integrations
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

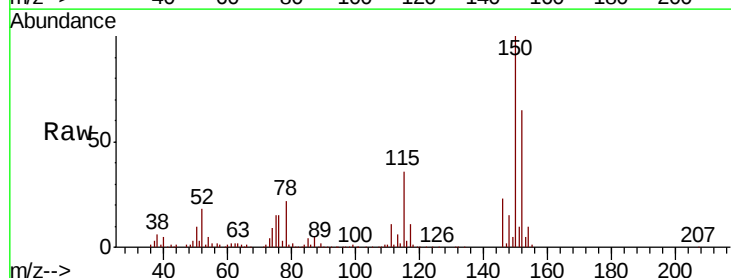
Tgt Ion:152 Resp: 208267

Ion Ratio Lower Upper

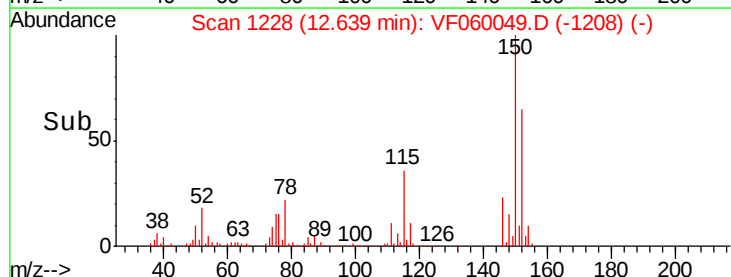
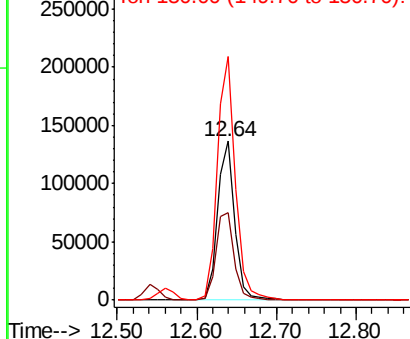
152 100

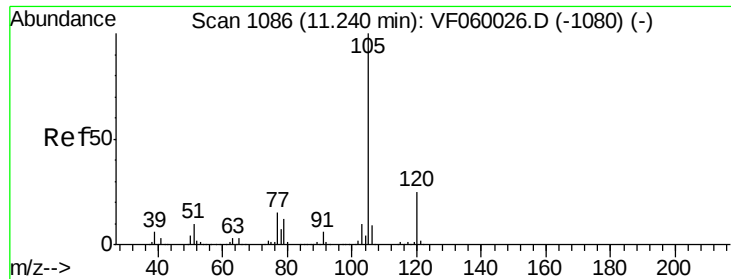
115 55.2 28.6 85.9

150 153.3 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: 22.35 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion:105 Resp: 280160

Ion Ratio Lower Upper

105 100

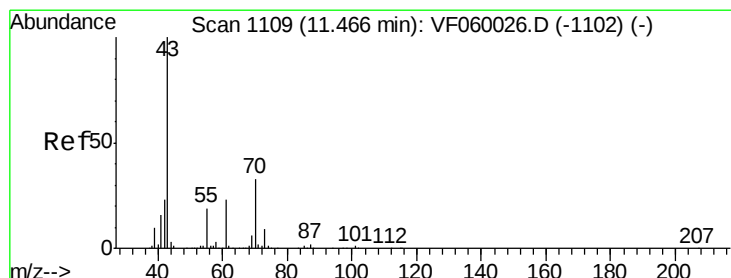
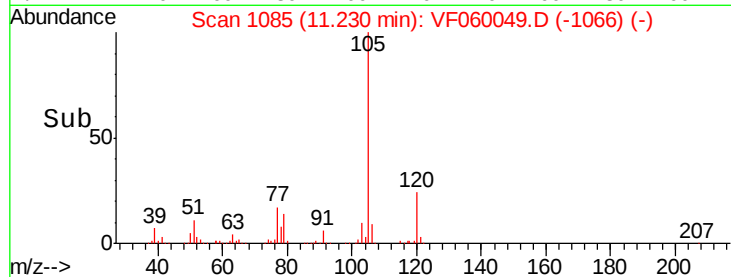
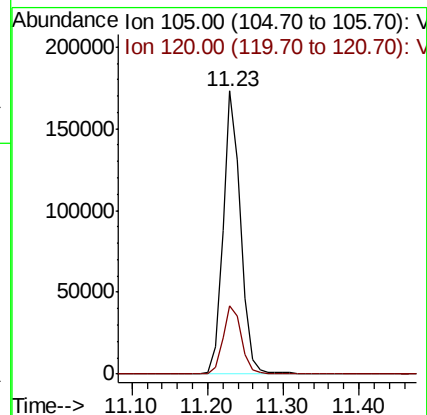
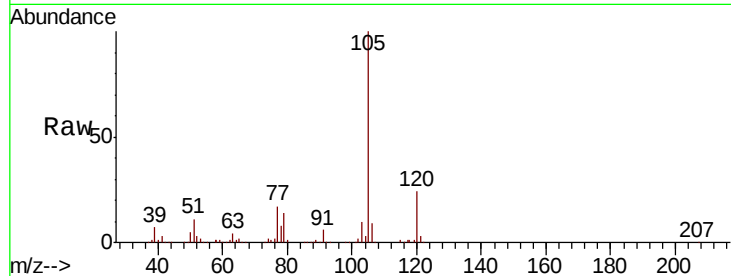
120 24.1 12.7 38.0

Manual Integrations

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8/24/2018 4:08:35 PM



#74

N-ethyl acetate

Concen: 22.82 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion: 43 Resp: 88918

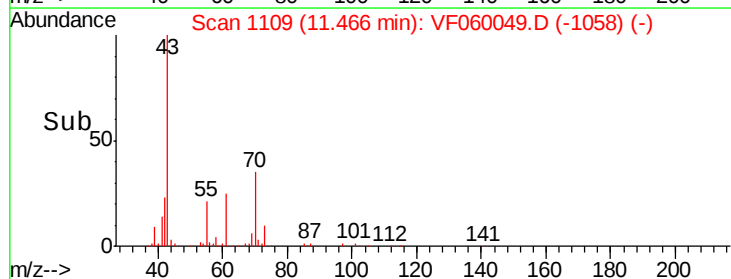
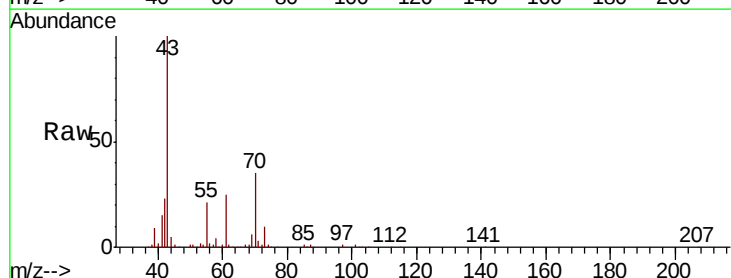
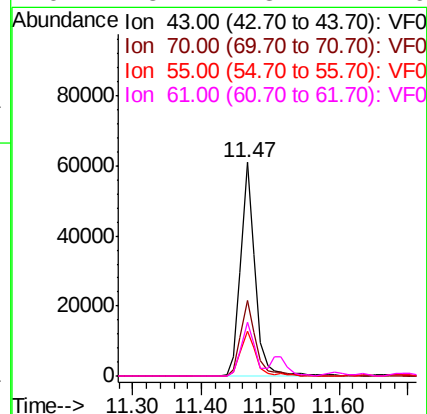
Ion Ratio Lower Upper

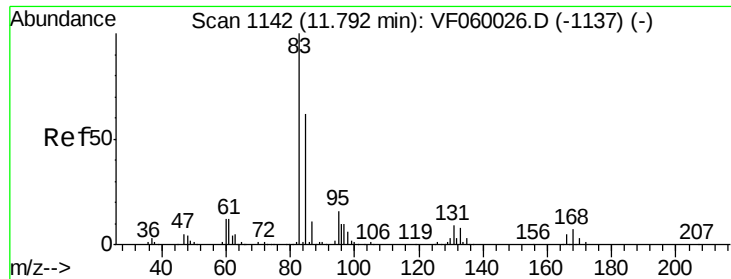
43 100

70 35.2 26.4 39.6

55 21.1 15.0 22.4

61 25.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.52 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

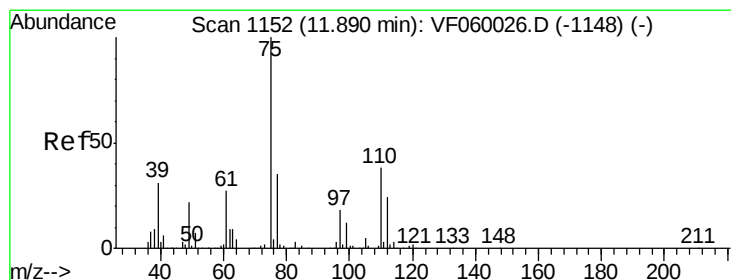
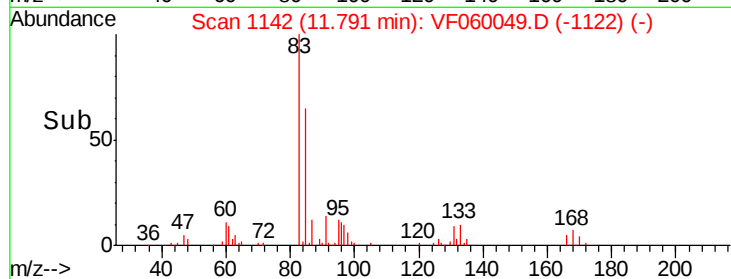
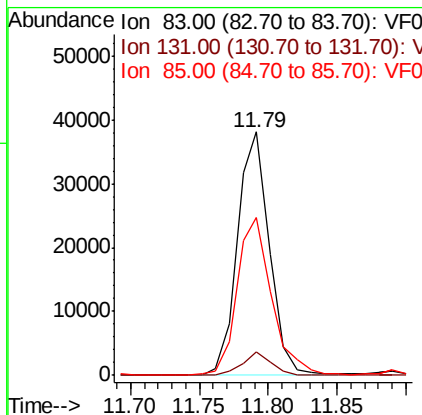
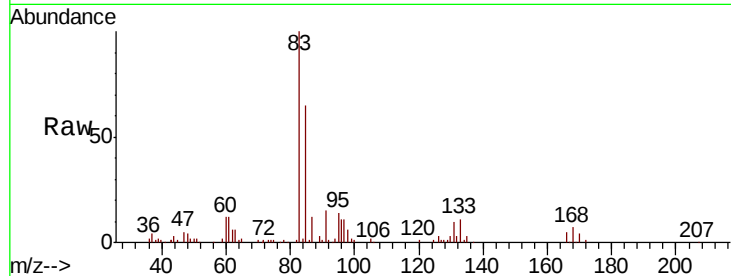
ClientSampleId :

VF0823SBS01

Tot Ion:	83	Resp:	61644
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.5	13.7
85	65.0	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.84 ug/l

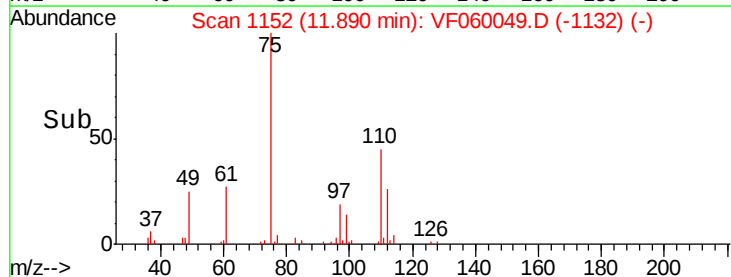
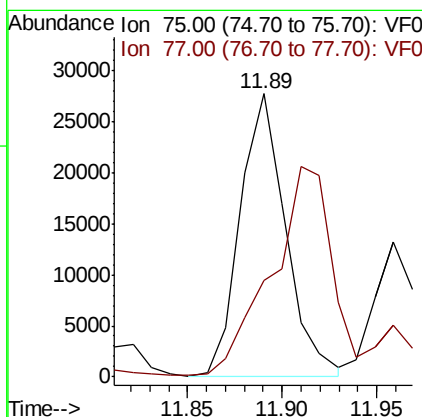
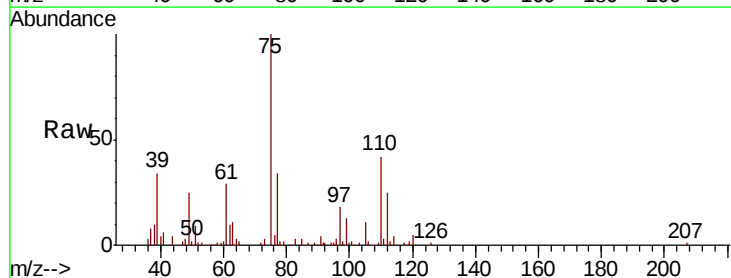
RT: 11.89 min Scan# 1152

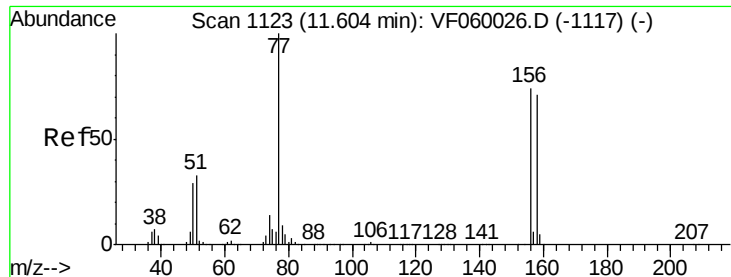
Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion:	75	Resp:	46364
Ion Ratio	Lower	Upper	
75	100		
77	34.0	17.3	52.0





#77

Bromobenzene

Concen: 21.54 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion:156 Resp: 73426

Ion Ratio Lower Upper

156 100

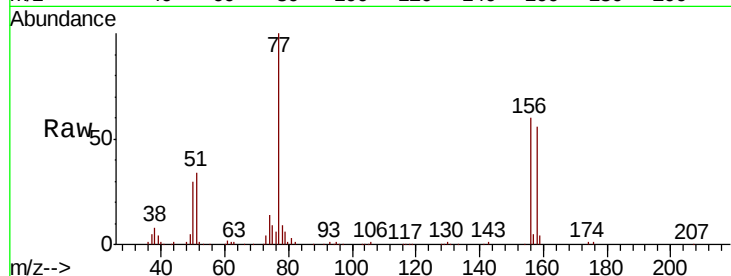
77 167.5 68.0 204.0

158 93.7 48.4 145.3

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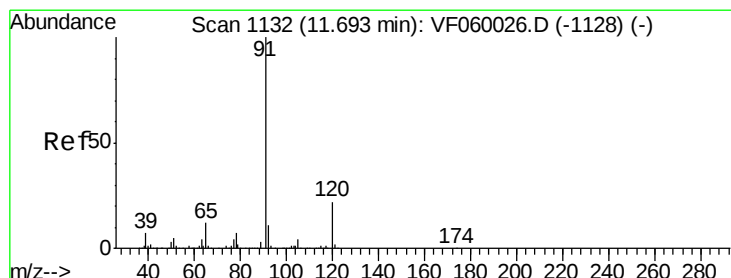
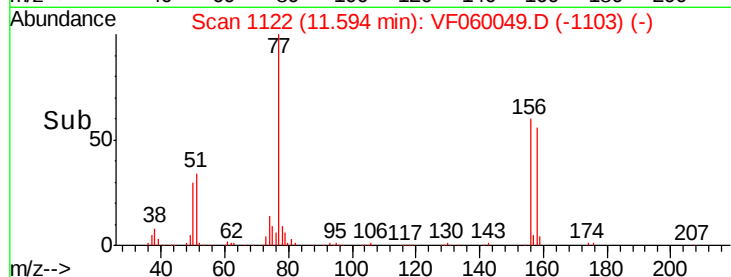
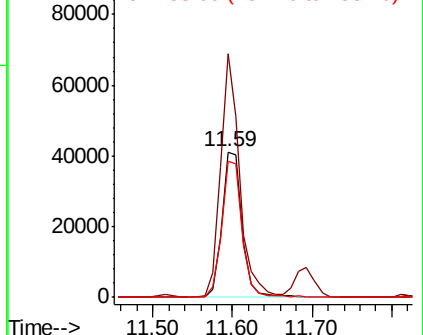
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.56 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060049.D

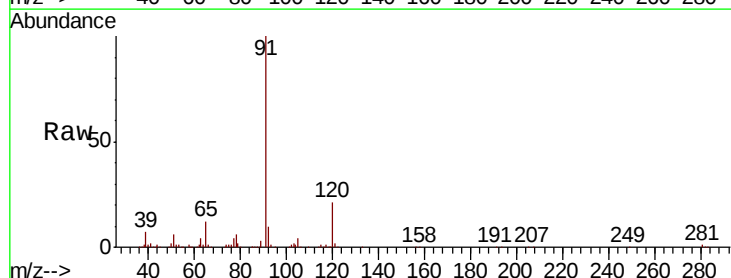
Acq: 23 Aug 2018 13:22

Tgt Ion: 91 Resp: 349145

Ion Ratio Lower Upper

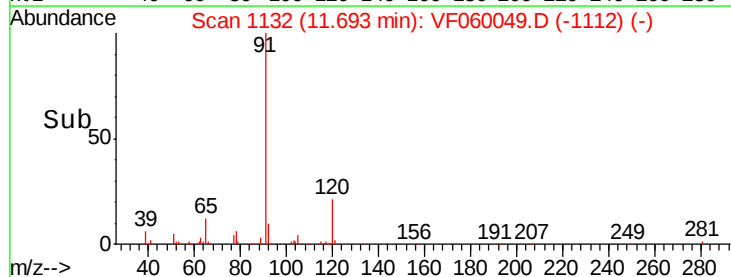
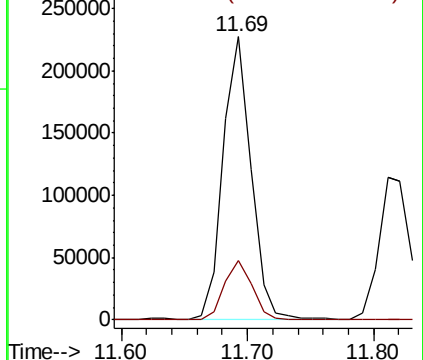
91 100

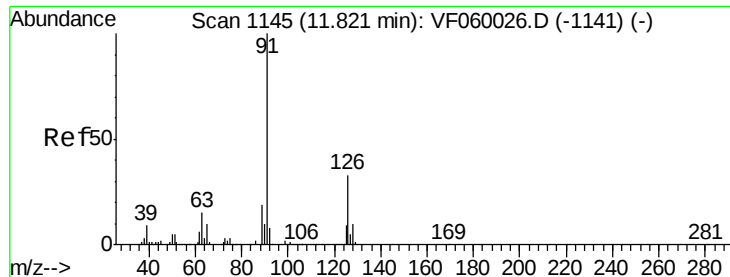
120 21.1 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.42 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS01

Tot Ion: 91 Resp: 194864

Ion Ratio Lower Upper

91 100

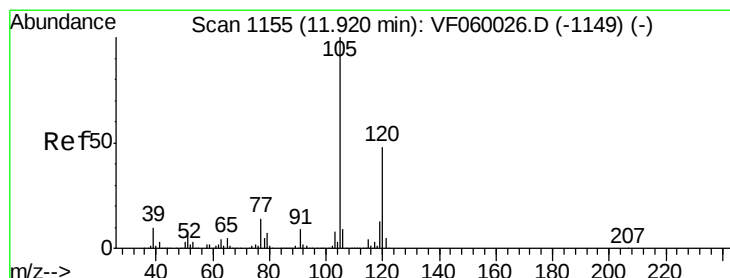
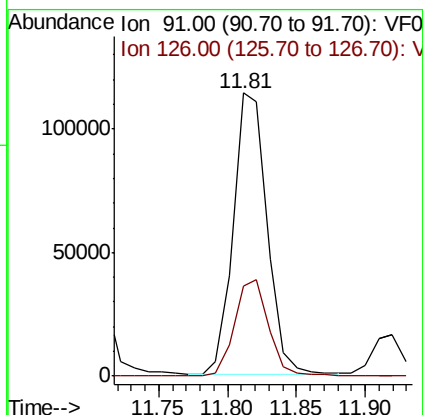
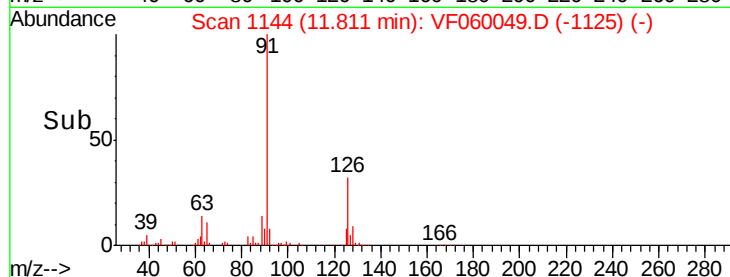
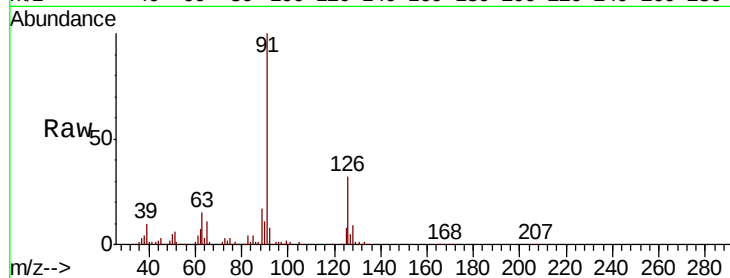
126 31.9 16.6 49.7

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#80

1,3,5-Trimethylbenzene

Concen: 22.64 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF060049.D

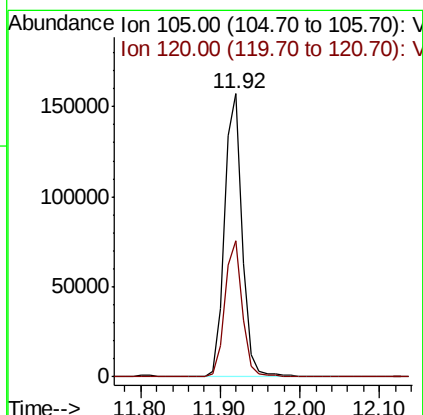
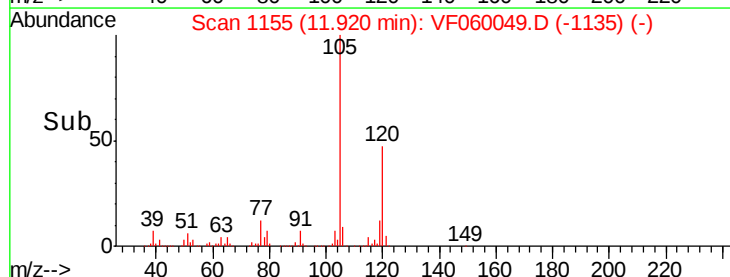
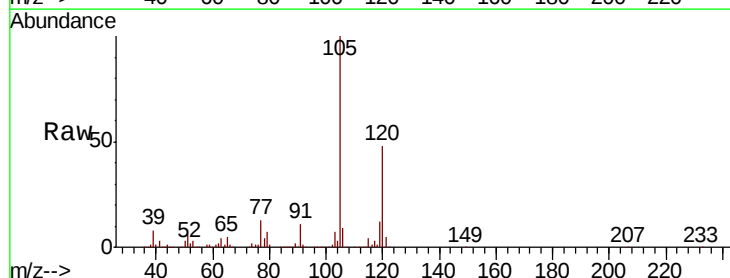
Acq: 23 Aug 2018 13:22

Tgt Ion:105 Resp: 247259

Ion Ratio Lower Upper

105 100

120 48.2 23.8 71.5





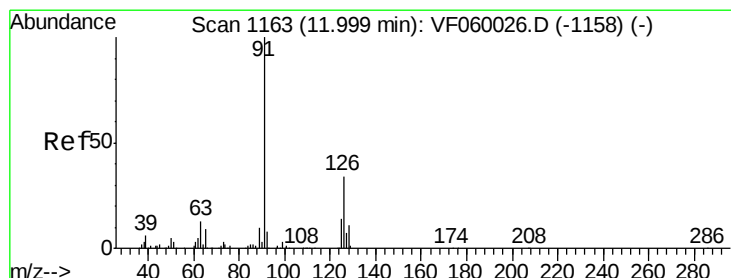
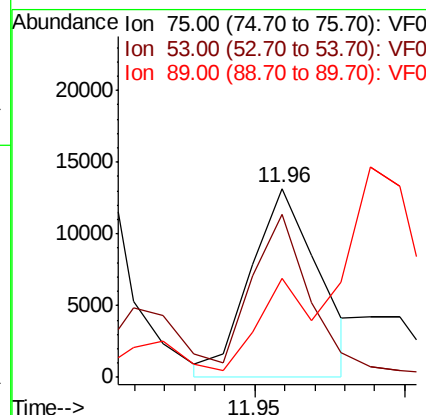
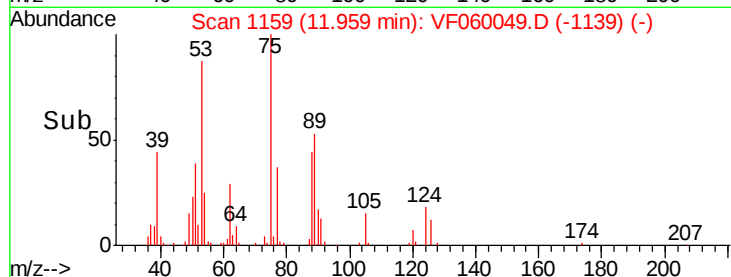
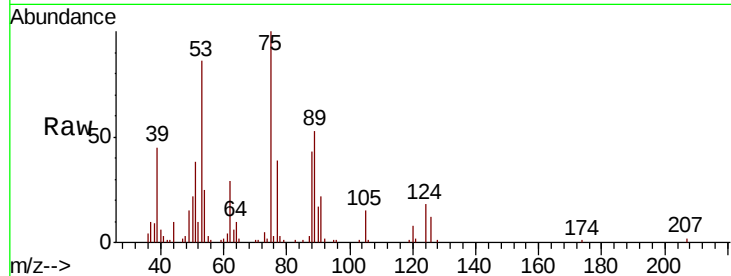
#81
trans-1,4-Dichloro-2-butene
Concen: 21.47 ug/l m
RT: 11.96 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.3	66.2	99.4
89	52.7	42.8	64.2

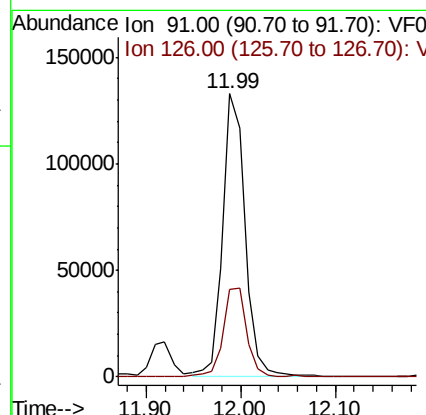
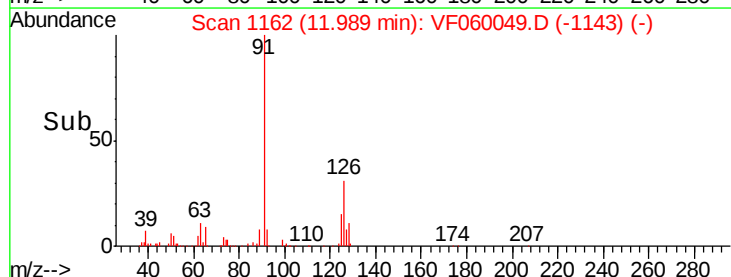
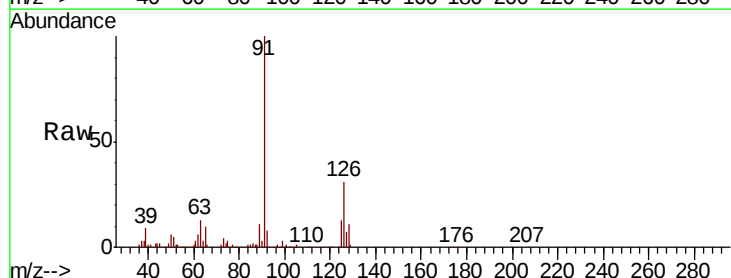
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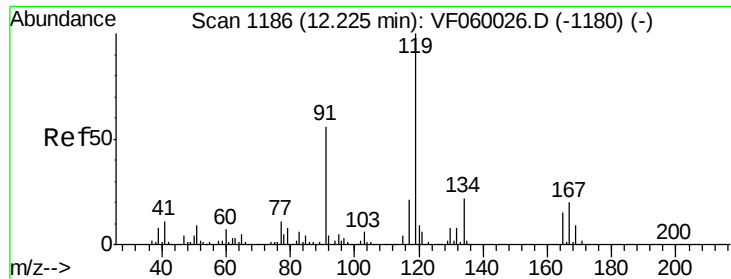
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#82
4-Chlorotoluene
Concen: 21.85 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	17.0	50.9





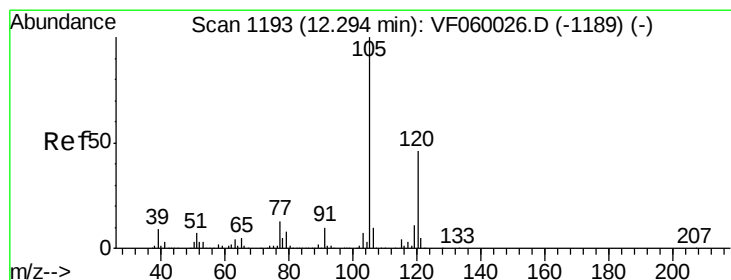
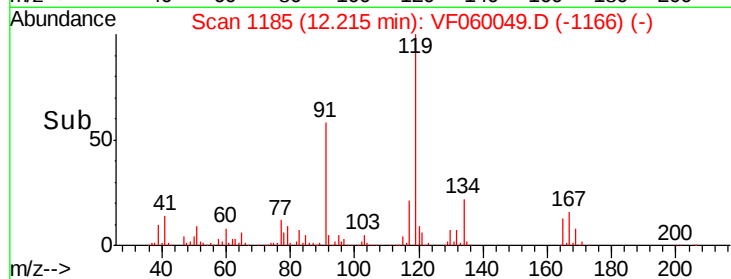
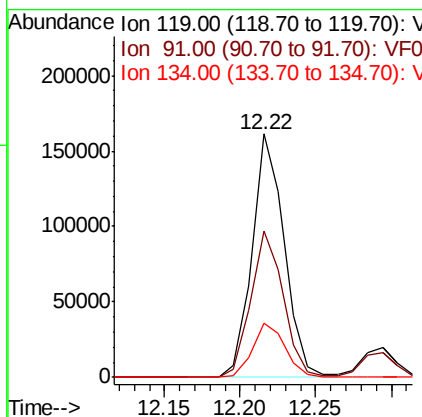
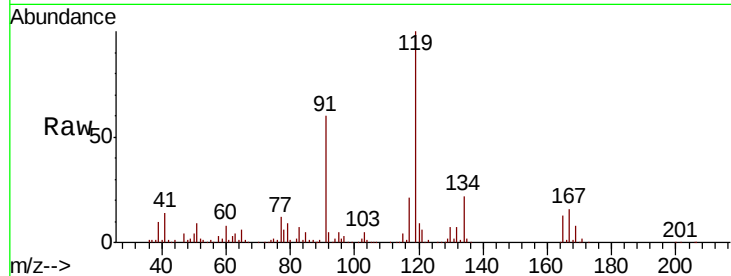
#83
 tert-Butylbenzene
 Concen: 22.49 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239526		
91	60.2		28.1	84.3
134	22.3		11.1	33.3

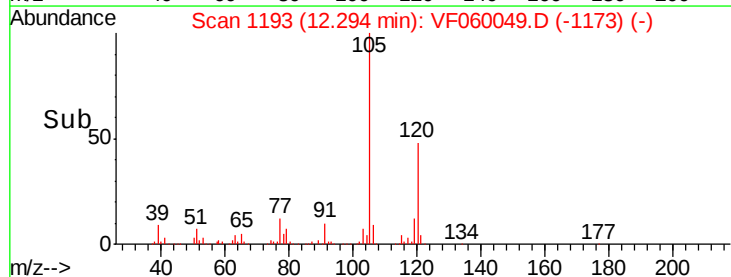
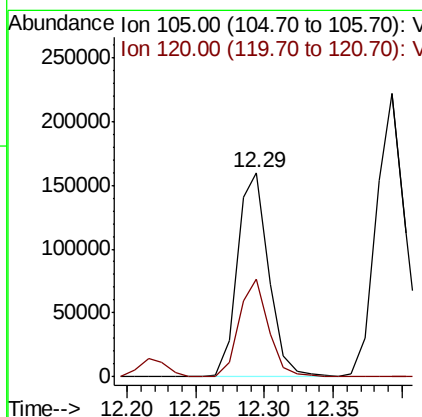
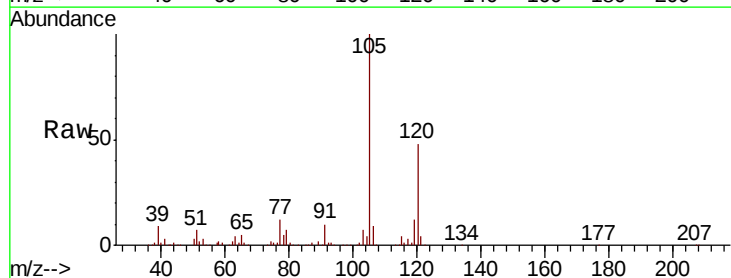
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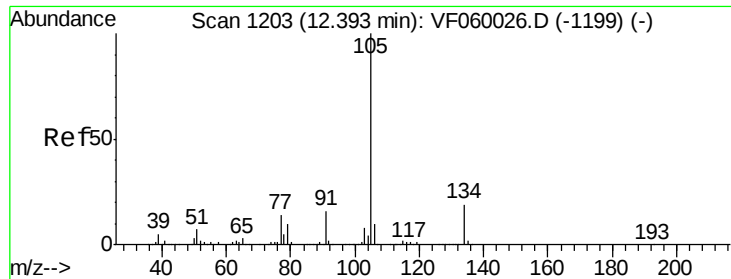
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.71 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252045		
120	48.0		23.3	69.8





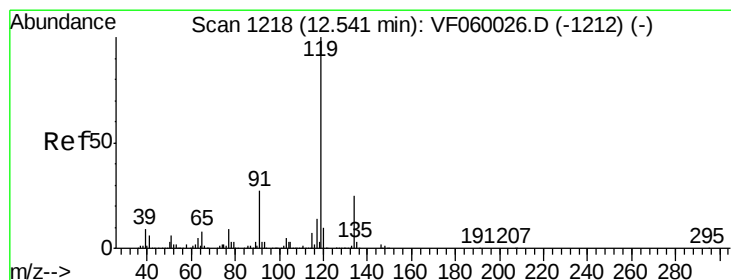
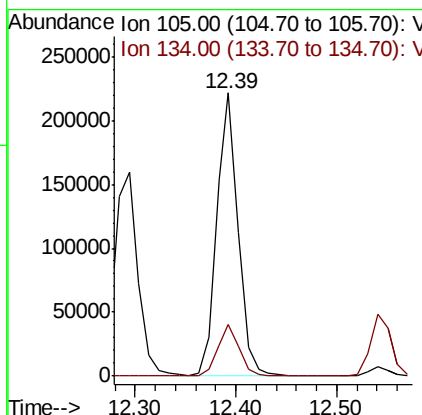
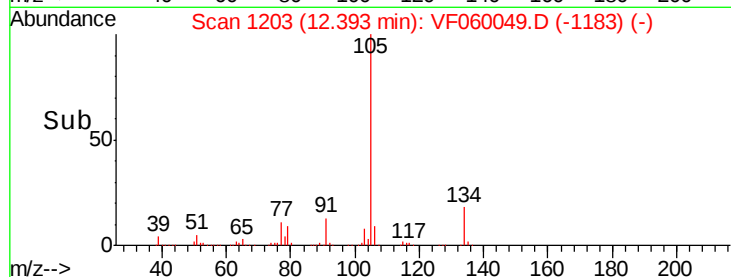
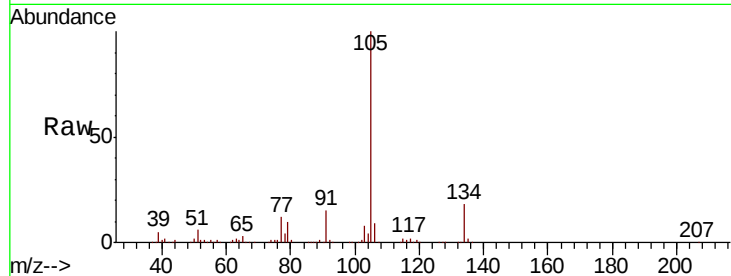
#85
 sec-Butylbenzene
 Concen: 22.05 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	326945		
134	18.4	9.3	27.9	

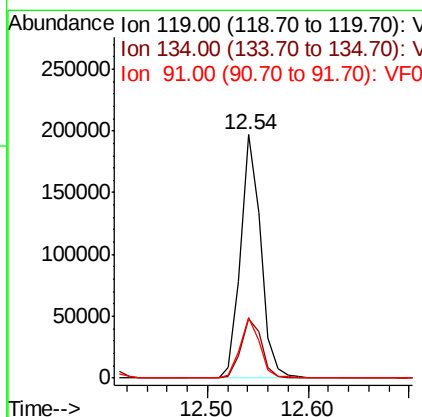
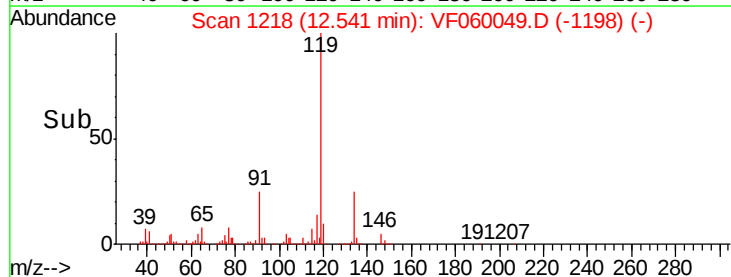
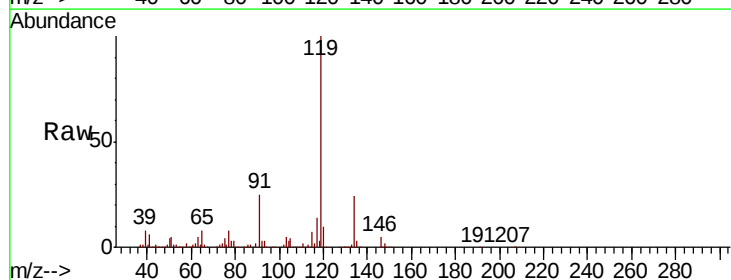
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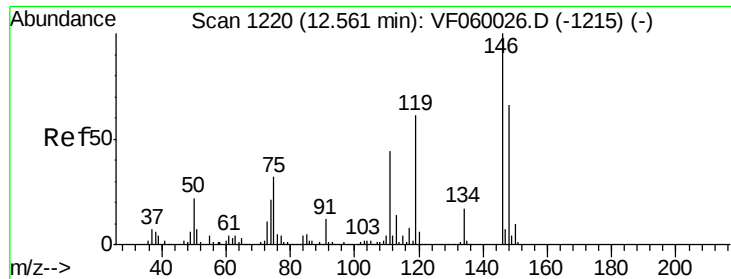
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#86
 p-Isopropyltoluene
 Concen: 22.31 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	274519		
134	24.5	12.4	37.2	
91	24.8	13.5	40.4	





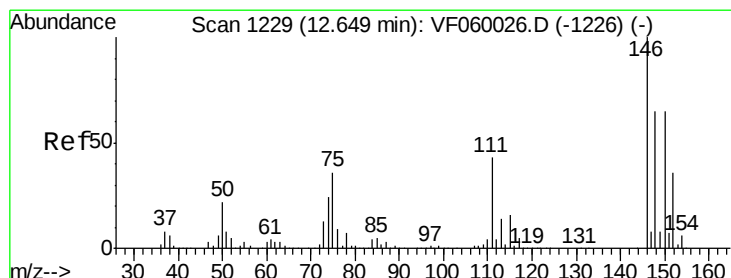
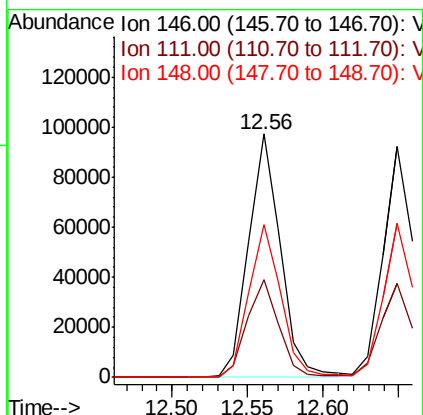
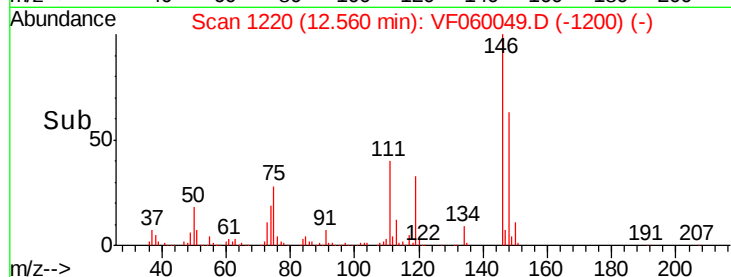
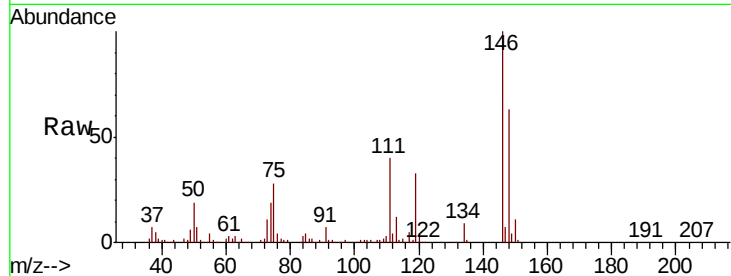
#87
 1,3-Dichlorobenzene
 Concen: 22.81 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.9	65.5
148	62.6	32.9	98.7

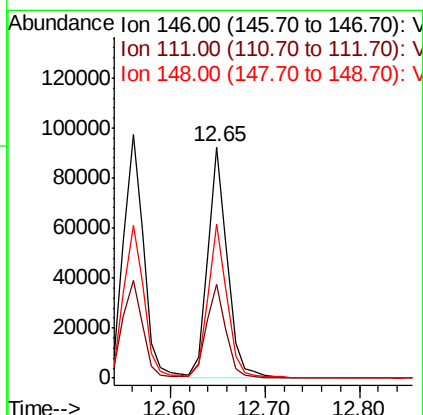
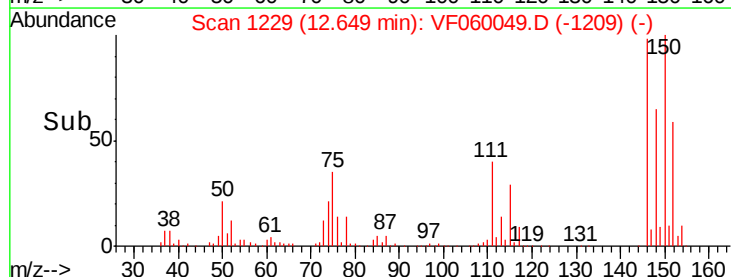
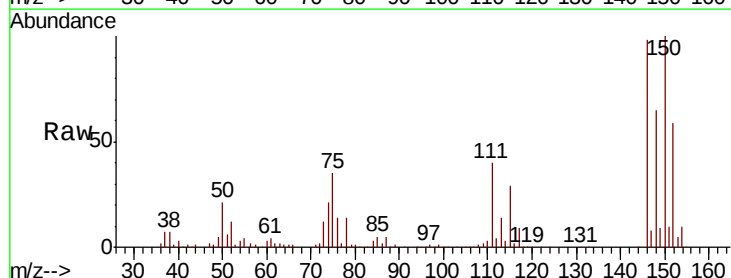
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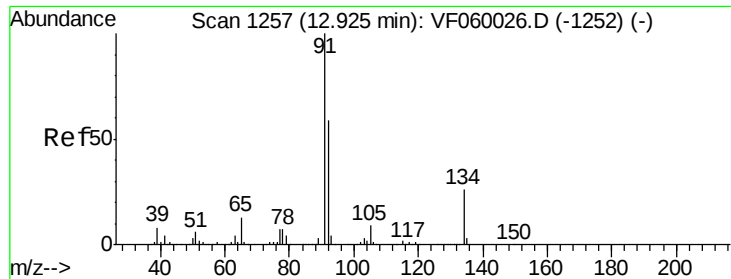
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#88
 1,4-Dichlorobenzene
 Concen: 21.42 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.6	64.8
148	66.6	32.3	96.8





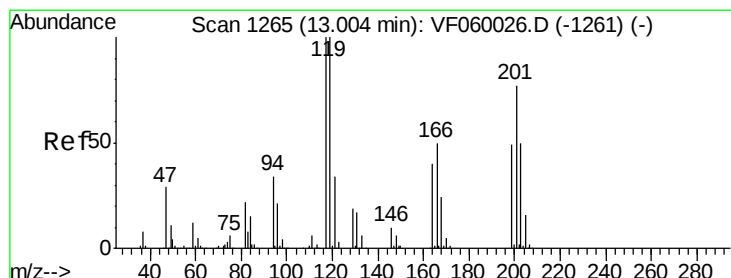
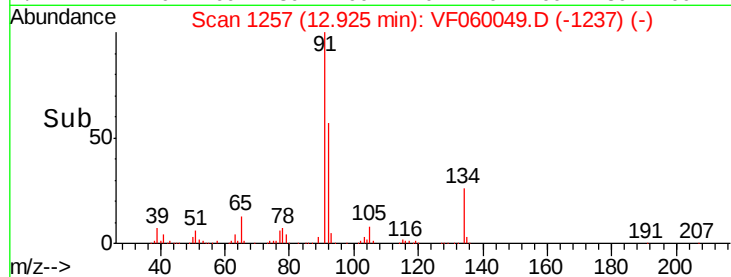
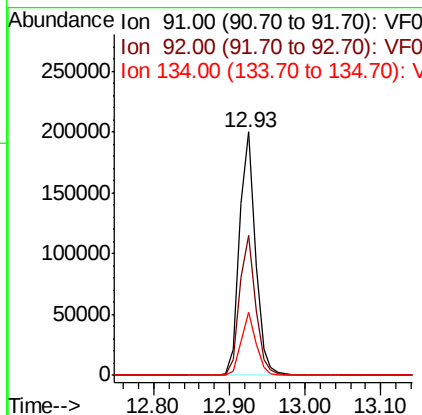
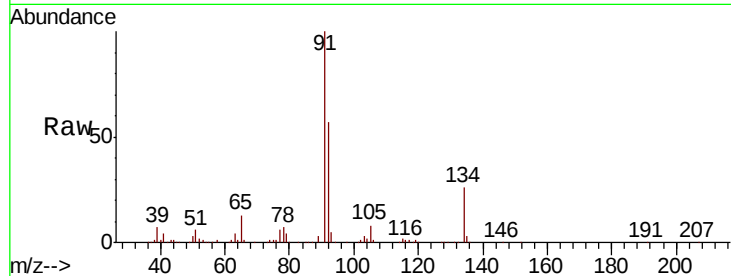
#89
n-Butylbenzene
Concen: 24.20 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	289316		
92	57.2		29.3	87.9
134	25.9		12.8	38.3

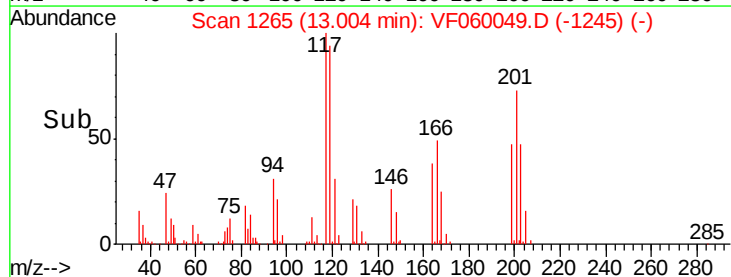
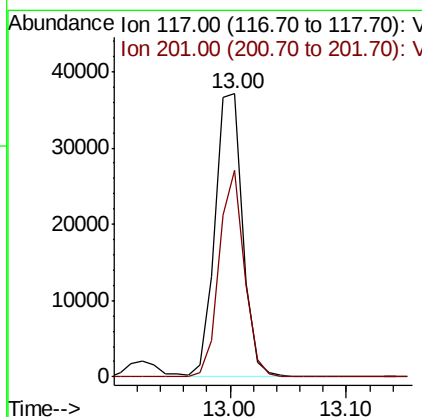
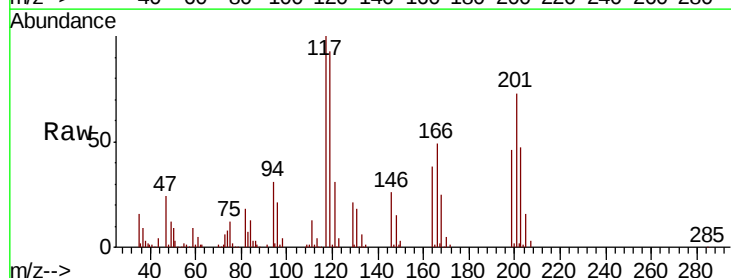
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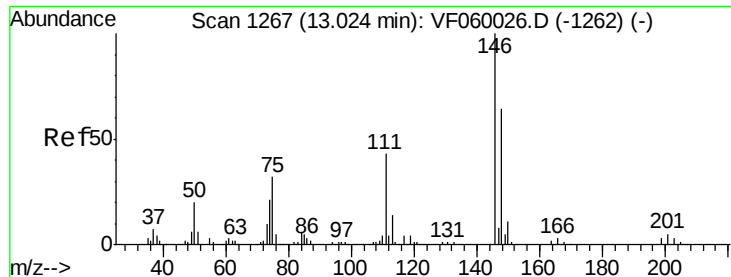
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#90
Hexachloroethane
Concen: 22.20 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	61375		
201	73.1		38.6	115.8





#91

1,2-Dichlorobenzene

Concen: 22.66 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

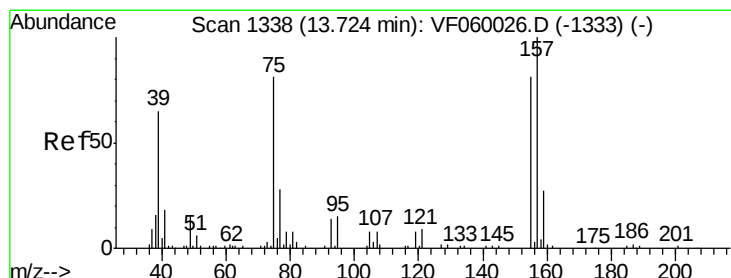
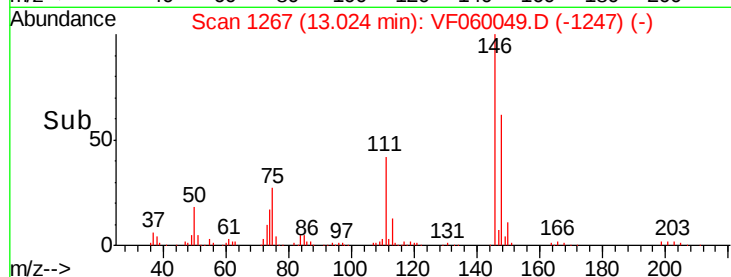
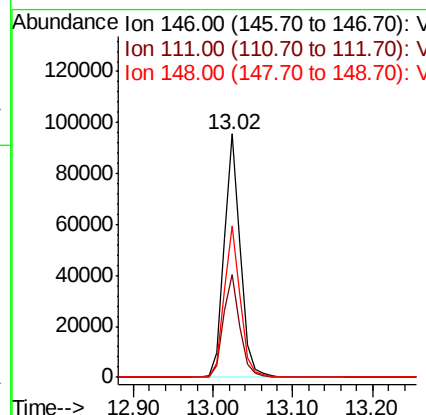
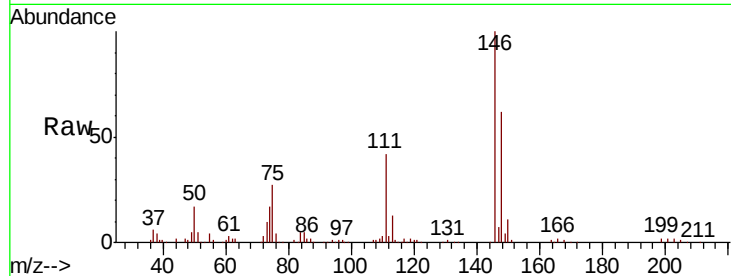
ClientSampleId :

VF0823SBS01

Tot Ion:	146	Resp:	137407
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.6	64.6
148	62.2	32.3	96.8

Manual Integrations
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8/24/2018 4:08:35 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.11 ug/l

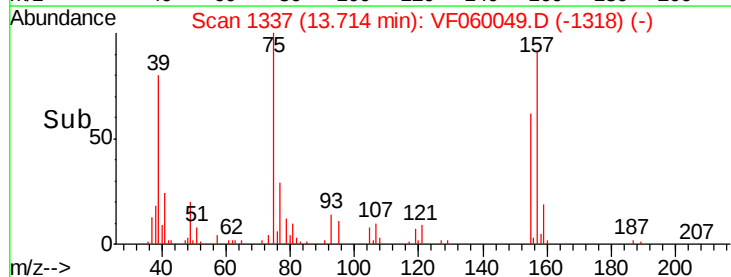
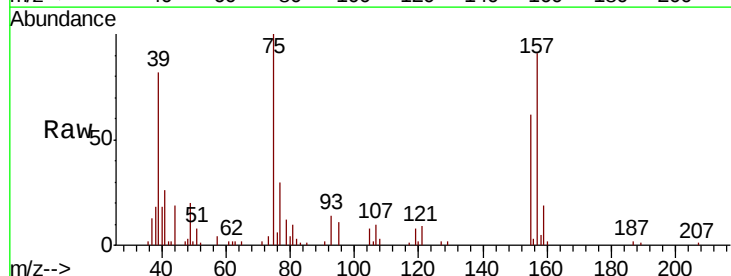
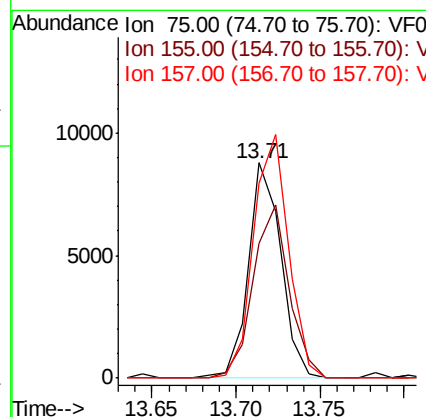
RT: 13.71 min Scan# 1337

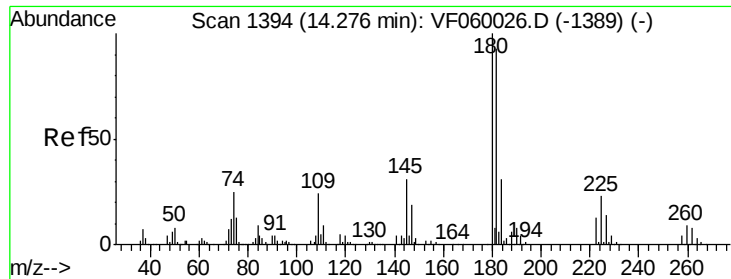
Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion:	75	Resp:	11809
Ion Ratio	Lower	Upper	
75	100		
155	62.4	49.8	149.3
157	90.5	61.6	184.7





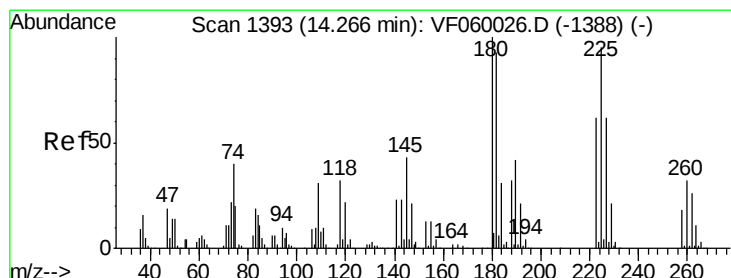
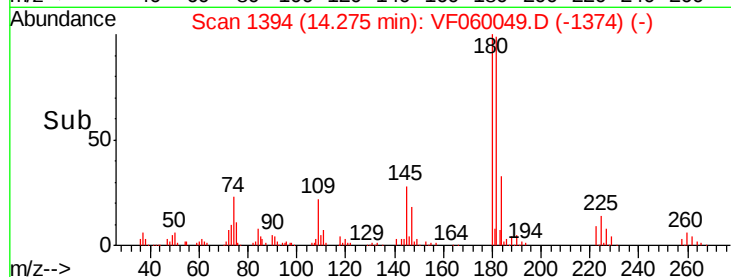
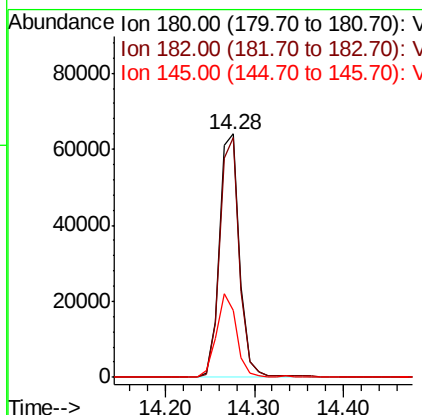
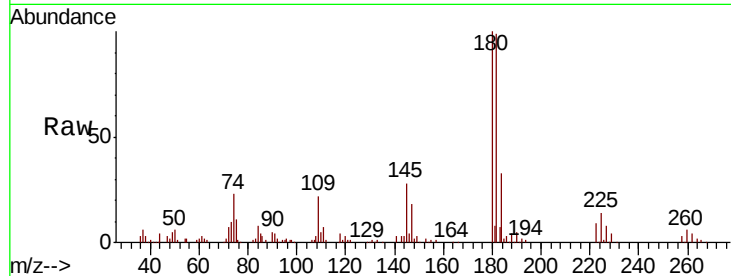
#93
 1,2,4-Trichlorobenzene
 Concen: 22.93 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102363		
182	98.7	46.8	140.3	
145	27.7	15.4	46.4	

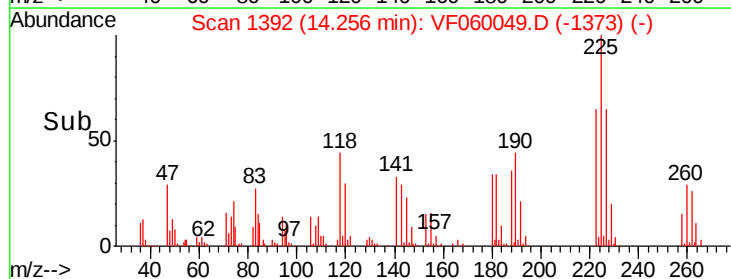
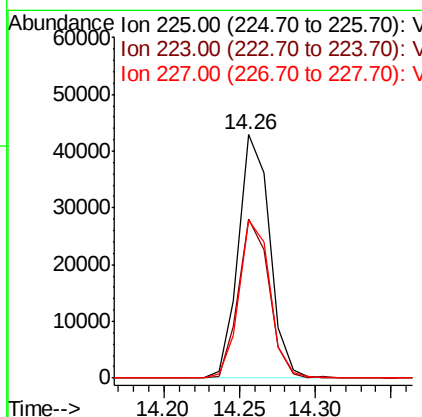
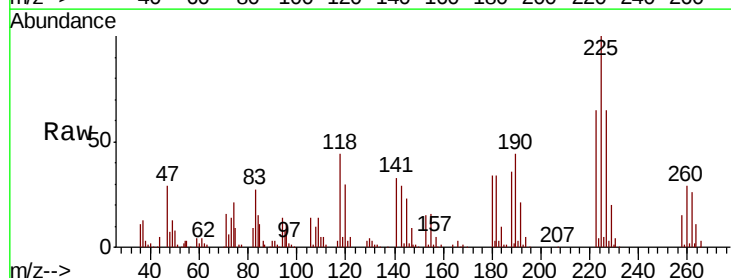
Manual Integrations
 APPROVED

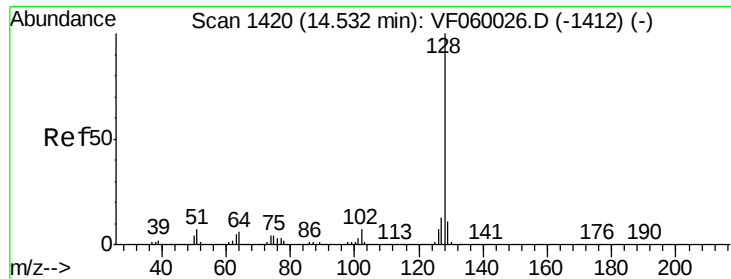
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 22.26 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61843		
223	65.2	32.6	97.8	
227	64.7	33.0	98.9	





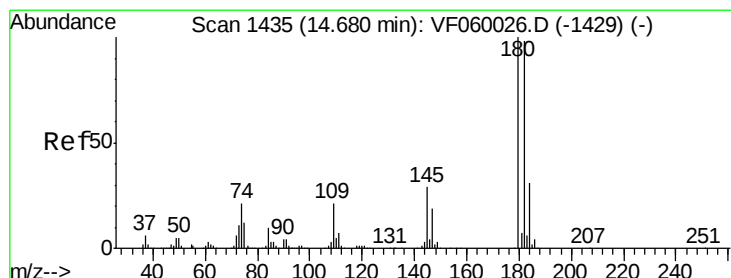
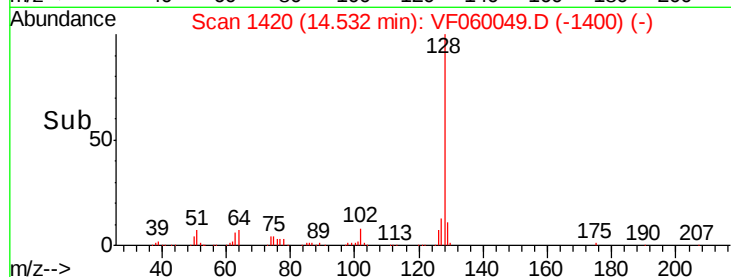
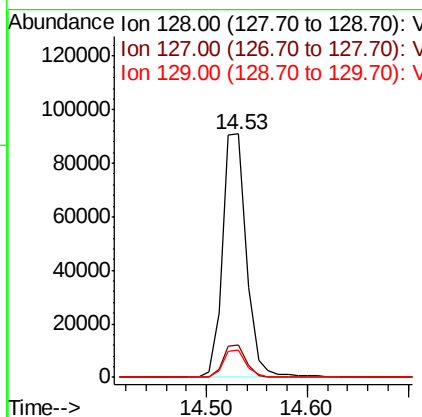
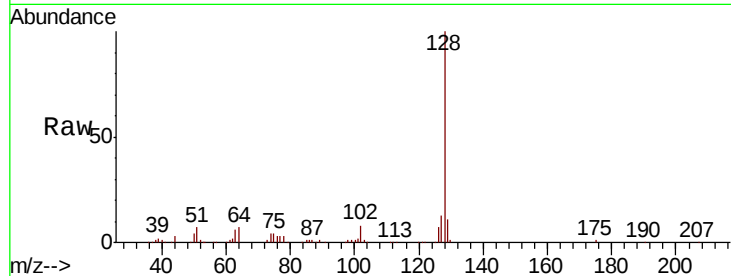
#95
Naphthalene
Concen: 20.85 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.5	8.5	12.7

Manual Integrations
APPROVED

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8/24/2018 4:08:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.78 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	49.0	147.2
145	34.4	14.4	43.2

