

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060047.D
 Acq On : 23 Aug 2018 12:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 4:08:29 PM

Quant Time: Aug 23 15:25:36 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	5.04	168	208604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	334732	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	343546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	205316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	135522	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
35) Dibromofluoromethane	4.29	113	123209	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
50) Toluene-d8	7.71	98	349434	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
62) 4-Bromofluorobenzene	11.52	95	184230	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	117489	42.78	ug/l	98
3) Chloromethane	1.07	50	90208	50.65	ug/l	97
4) Vinyl Chloride	1.12	62	72495	42.51	ug/l	92
5) Bromomethane	1.31	94	56244	43.41	ug/l	94
6) Chloroethane	1.39	64	31075	46.23	ug/l	94
7) Trichlorofluoromethane	1.48	101	178560	52.07	ug/l	100
8) Diethyl Ether	1.70	74	30395	49.58	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	84763	47.09	ug/l	97
10) Methyl Iodide	1.93	142	113327	47.62	ug/l	97
11) Tert butyl alcohol	2.67	59	34138	224.76	ug/l #	83
12) 1,1-Dichloroethene	1.83	96	62928	47.45	ug/l	95
13) Acrolein	2.08	56	23235	250.36	ug/l	99
14) Allyl chloride	2.19	41	113040	48.00	ug/l	98
15) Acrylonitrile	3.07	53	70503	235.22	ug/l	95
16) Acetone	2.33	43	207917	277.09	ug/l	99
17) Carbon Disulfide	1.84	76	178203	42.92	ug/l	99
18) Methyl Acetate	2.45	43	63149	49.20	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	199423	46.94	ug/l	97
20) Methylene Chloride	2.28	84	73978	50.07	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	64657	43.58	ug/l	97
22) Diisopropyl ether	2.92	45	245364	46.53	ug/l	99
23) Vinyl Acetate	3.34	43	623268	223.09	ug/l	96
24) 1,1-Dichloroethane	3.00	63	155760	47.81	ug/l	99
25) 2-Butanone	4.51	43	245390	251.77	ug/l	95
26) 2,2-Dichloropropane	3.76	77	173553	51.49	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	107086	50.93	ug/l	95
28) Bromochloromethane	3.89	49	68623	49.89	ug/l	85
29) Tetrahydrofuran	4.25	42	89182	242.35	ug/l	98
30) Chloroform	4.03	83	220525	48.22	ug/l	96
31) Cyclohexane	3.86	56	111556	44.94	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	183802	46.94	ug/l	96
36) 1,1-Dichloropropene	4.47	75	141386	44.95	ug/l	99
37) Ethyl Acetate	4.29	43	85754	45.58	ug/l #	72
38) Carbon Tetrachloride	4.17	117	167378	45.95	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	131708	44.66	ug/l	90
40) Benzene	4.81	78	315472	45.91	ug/l	100
41) Methacrylonitrile	4.92	41	41135	43.23	ug/l	91
42) 1,2-Dichloroethane	5.12	62	169147	45.91	ug/l	99
43) Isopropyl Acetate	7.11	43	112245	47.41	ug/l #	97
44) Trichloroethene	5.68	130	99573	43.83	ug/l	96
45) 1,2-Dichloropropane	6.40	63	101065	52.00	ug/l	100
46) Dibromomethane	6.25	93	72888	47.92	ug/l	96
47) Bromodichloromethane	6.55	83	172931	47.07	ug/l	95
48) Methyl methacrylate	6.87	41	76861	49.06	ug/l	98
49) 1,4-Dioxane	6.86	88	14126	939.17	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	510237	249.54	ug/l	97
52) Toluene	7.78	92	226352	51.34	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	154341	46.33	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	177540	47.75	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	93727	50.55	ug/l	94
56) Ethyl methacrylate	8.77	69	114294	50.93	ug/l	96
57) 1,3-Dichloropropane	9.00	76	156216	47.94	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	39543	221.98	ug/l	100
59) 2-Hexanone	9.63	43	416437	251.64	ug/l	100
60) Dibromochloromethane	8.86	129	134436	49.12	ug/l	98
61) 1,2-Dibromoethane	9.14	107	106439	48.88	ug/l	99
64) Tetrachloroethene	8.31	164	101345	43.79	ug/l	98
65) Chlorobenzene	9.95	112	299983	46.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	121715	49.47	ug/l	95
67) Ethyl Benzene	10.05	91	536543	47.93	ug/l	98
68) m/p-Xylenes	10.27	106	377785	103.80	ug/l	99
69) o-Xylene	10.84	106	212048	48.35	ug/l	95
70) Styrene	10.91	104	323857	48.13	ug/l	98
71) Bromoform	10.90	173	86277	50.26	ug/l	97
73) Isopropylbenzene	11.23	105	613100	49.61	ug/l	98
74) N-amyl acetate	11.47	43	200823	52.28	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	133417	49.43	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	102170	48.81	ug/l	99
77) Bromobenzene	11.60	156	160004	47.61	ug/l	91
78) n-propylbenzene	11.69	91	735321	48.21	ug/l	97
79) 2-Chlorotoluene	11.81	91	427075	47.61	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	502930	46.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	47891m	50.01	ug/l	
82) 4-Chlorotoluene	11.99	91	471884	48.46	ug/l	97
83) tert-Butylbenzene	12.22	119	512961	48.85	ug/l	94
84) 1,2,4-Trimethylbenzene	12.30	105	530025	46.30	ug/l	100
85) sec-Butylbenzene	12.39	105	695226	47.55	ug/l	98
86) p-Isopropyltoluene	12.54	119	590642	48.70	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	289709	46.62	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	295014	47.77	ug/l	97
89) n-Butylbenzene	12.93	91	601478	51.04	ug/l	98
90) Hexachloroethane	13.00	117	135007	49.53	ug/l	80
91) 1,2-Dichlorobenzene	13.02	146	287908	48.17	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27795	50.39	ug/l	82

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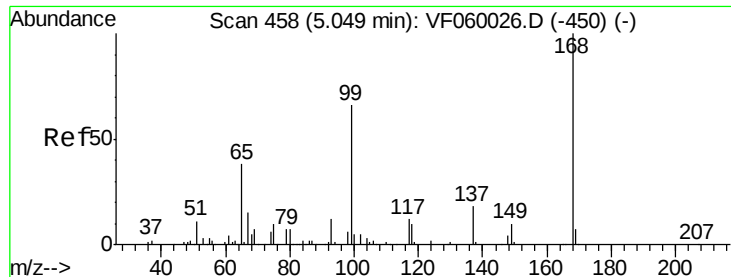
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	224638	51.04	ug/l	95
94) Hexachlorobutadiene	14.26	225	135222	49.36	ug/l	96
95) Naphthalene	14.52	128	405605	52.97	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	220804	52.59	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 208604

Ion Ratio Lower Upper

168 100

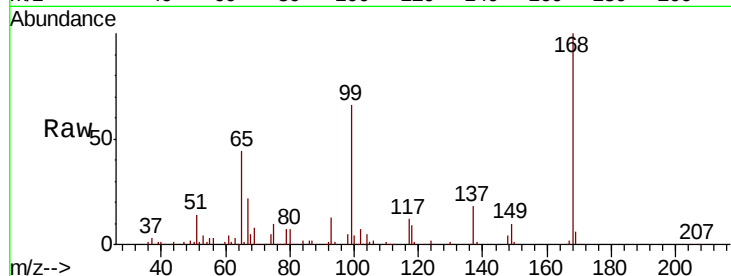
99 66.4 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

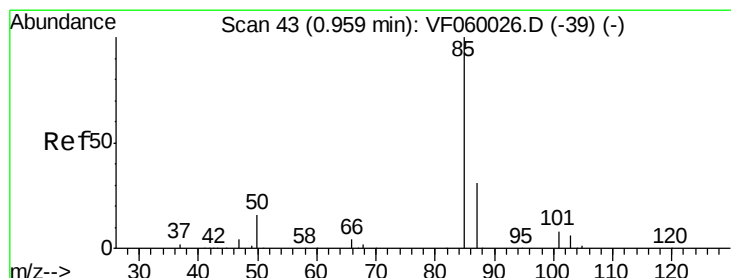
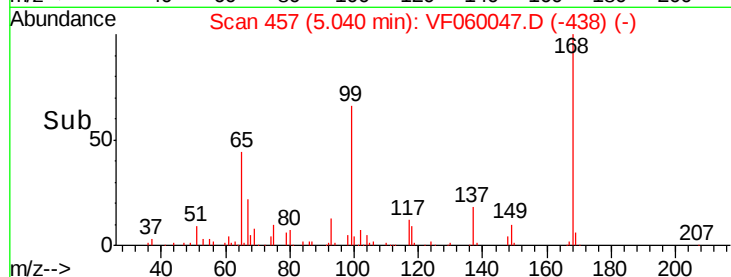
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 42.78 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060047.D

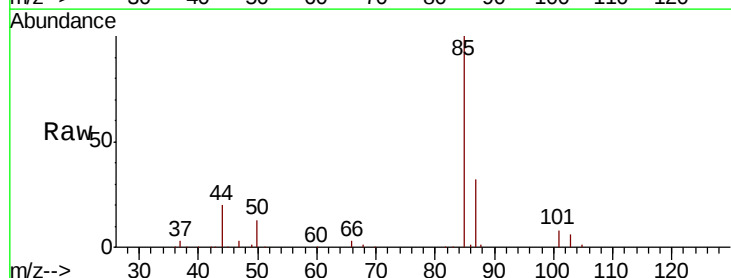
Acq: 23 Aug 2018 12:09

Tgt Ion: 85 Resp: 117489

Ion Ratio Lower Upper

85 100

87 31.8 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

80000

60000

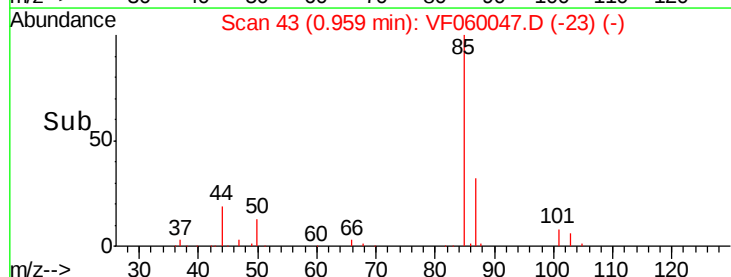
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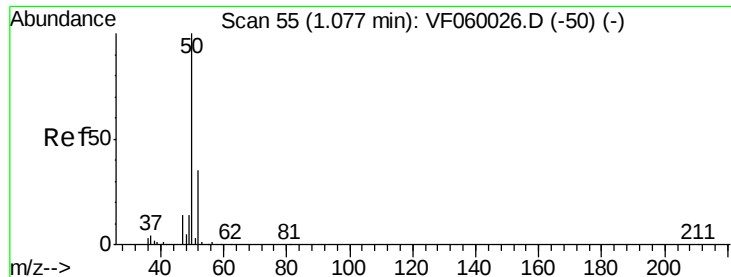
20000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 50.65 ug/l

RT: 1.07 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 90208

Ion Ratio Lower Upper

50 100

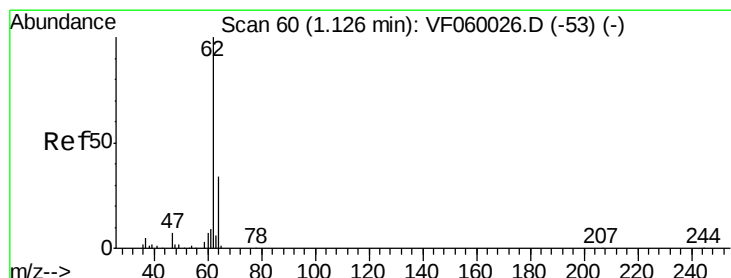
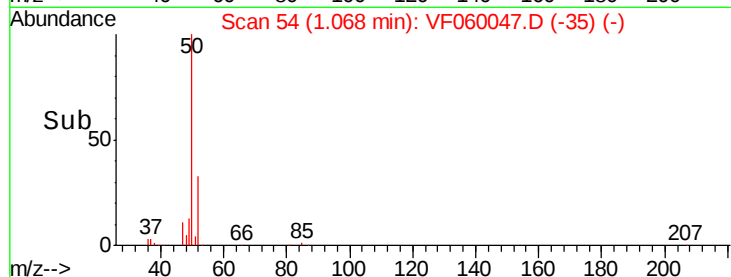
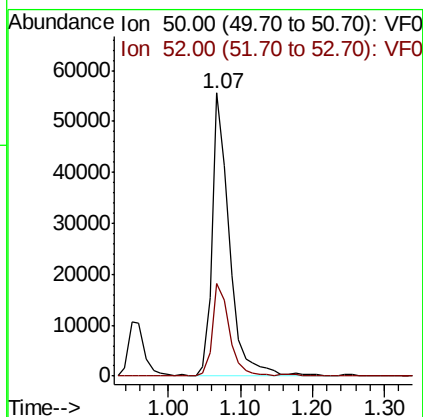
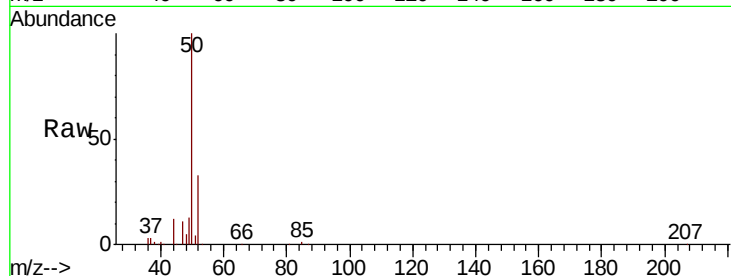
52 33.0 27.6 41.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.51 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.01 min

Lab File: VF060047.D

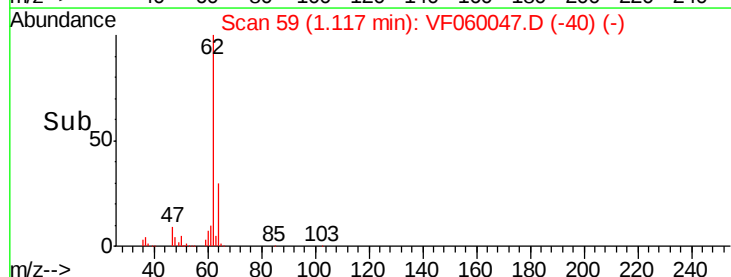
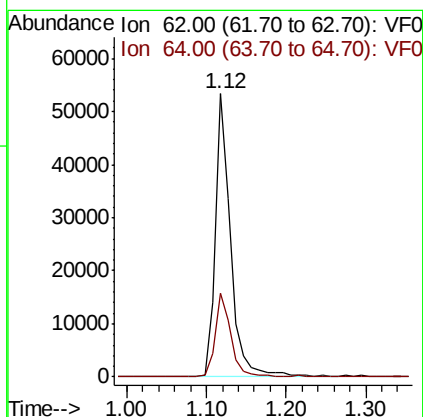
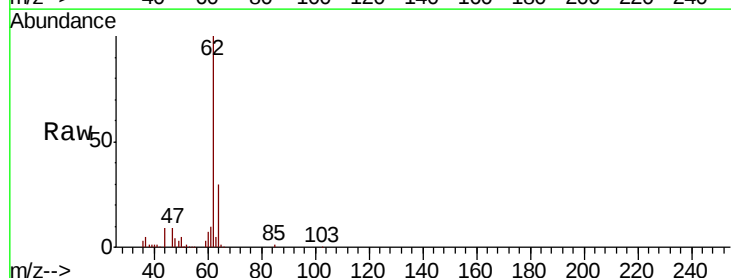
Acq: 23 Aug 2018 12:09

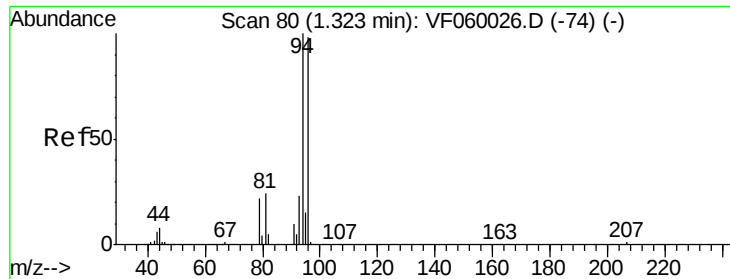
Tgt Ion: 62 Resp: 72495

Ion Ratio Lower Upper

62 100

64 29.6 27.4 41.2





#5

Bromomethane

Concen: 43.41 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 56244

Ion Ratio Lower Upper

94 100

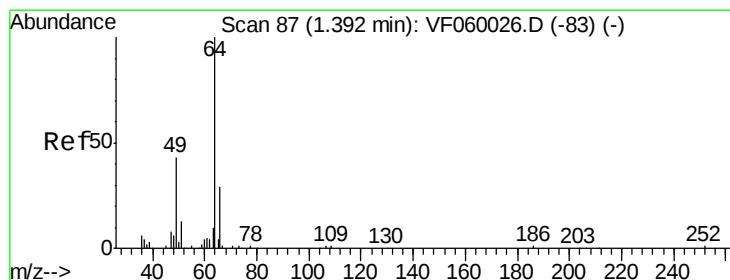
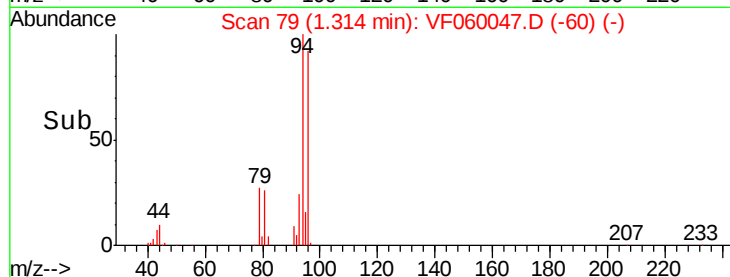
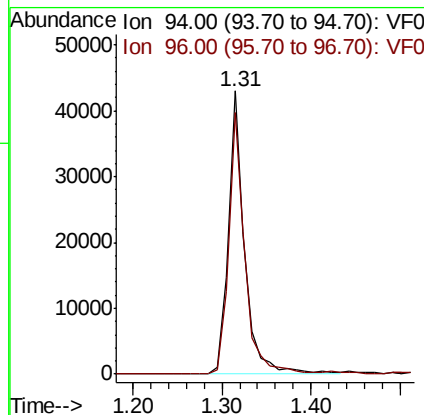
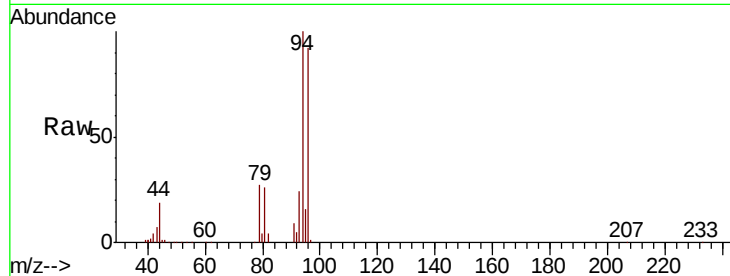
96 92.5 78.6 118.0

Manual Integrations

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#6

Chloroethane

Concen: 46.23 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060047.D

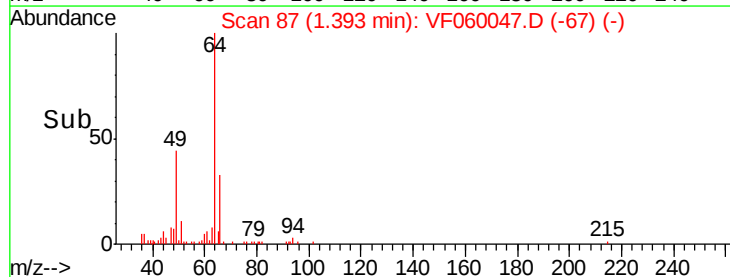
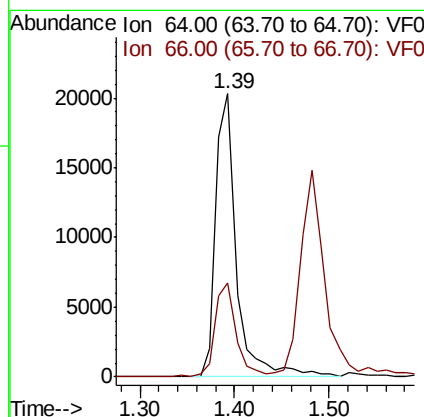
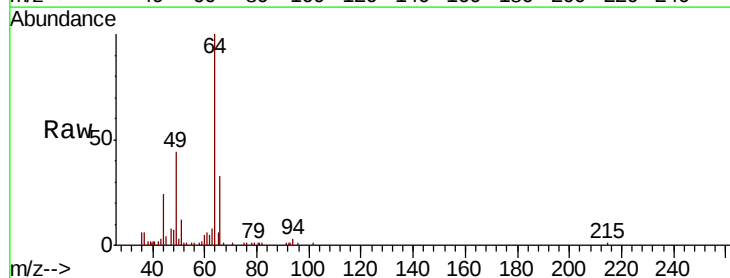
Acq: 23 Aug 2018 12:09

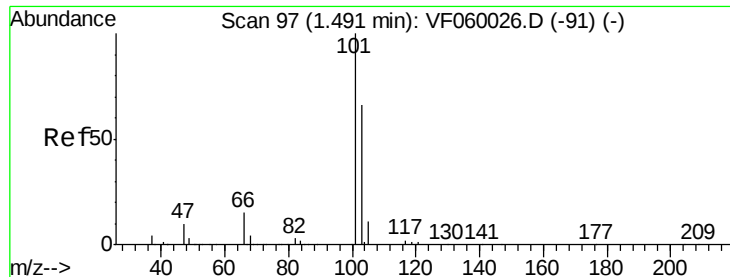
Tgt Ion: 64 Resp: 31075

Ion Ratio Lower Upper

64 100

66 33.4 24.1 36.1





#7

Trichlorofluoromethane

Concen: 52.07 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 178560

Ion Ratio Lower Upper

101 100

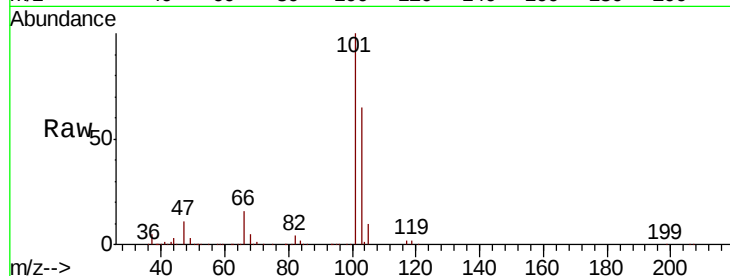
103 65.3 52.5 78.7

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.48

100000

80000

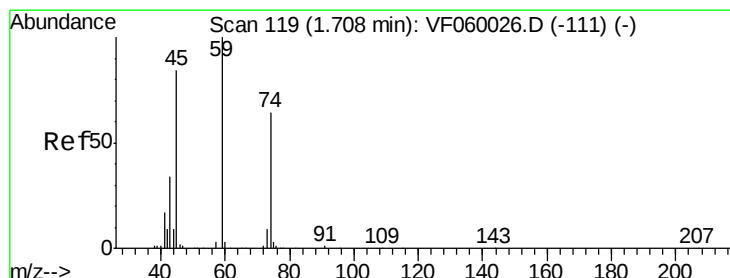
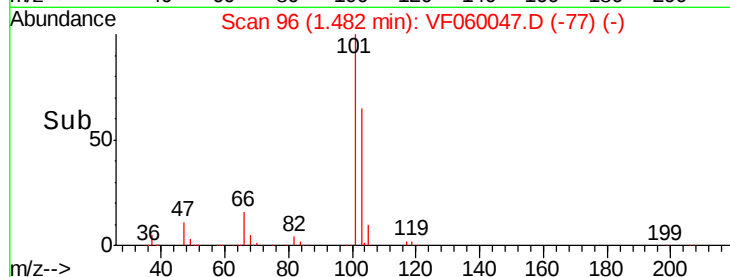
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 49.58 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF060047.D

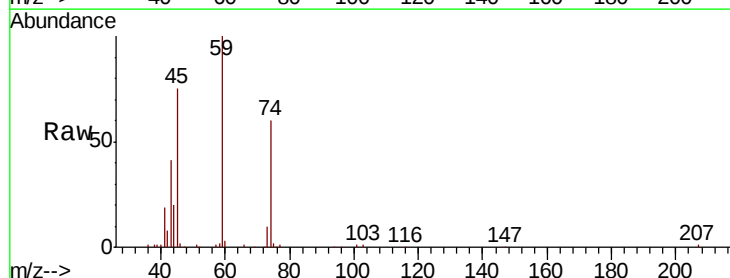
Acq: 23 Aug 2018 12:09

Tgt Ion: 74 Resp: 30395

Ion Ratio Lower Upper

74 100

45 125.3 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

25000

20000

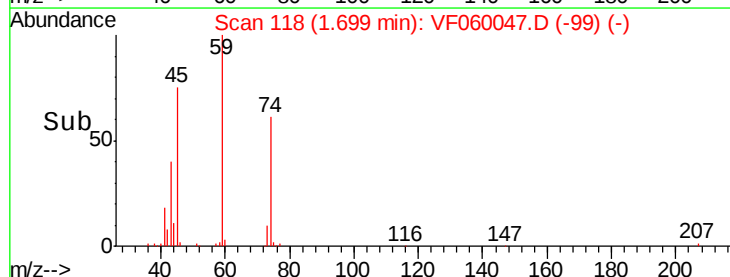
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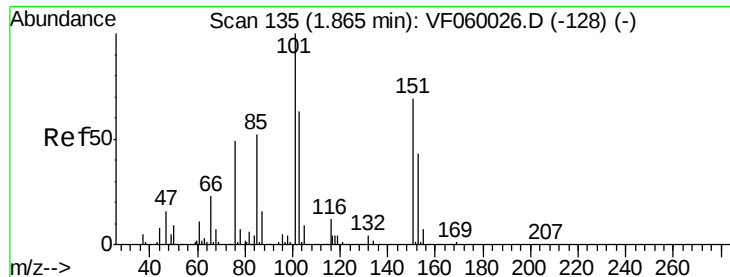
10000

5000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.09 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

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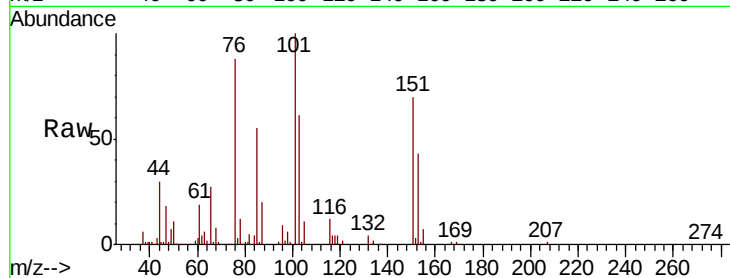
ClientSampleId :

VSTDCCC050

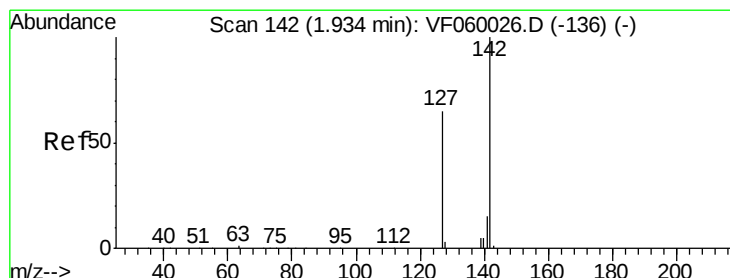
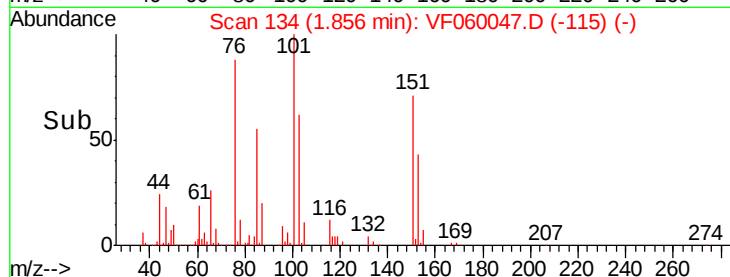
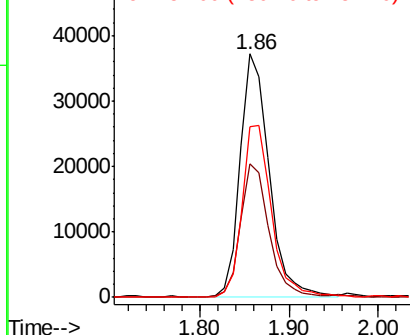
Tot Ion:	101	Resp:	84763
Ion Ratio	Lower	Upper	
101	100		
85	54.7	41.5	62.3
151	70.3	55.2	82.8

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 47.62 ug/l

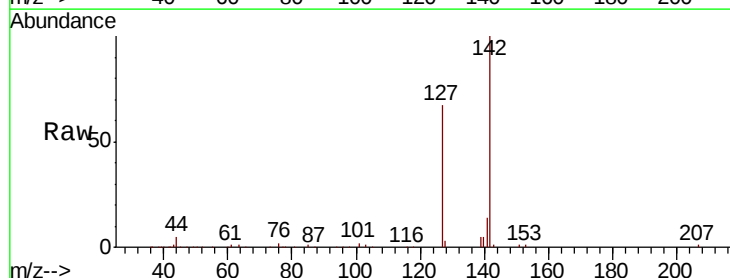
RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

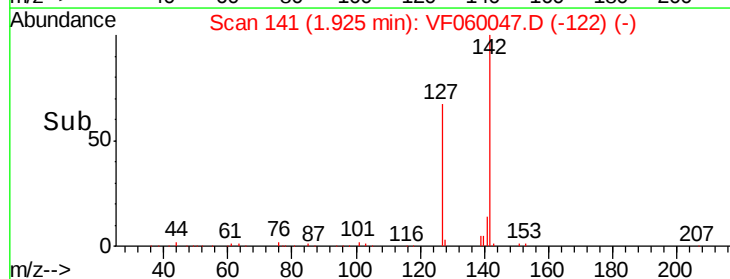
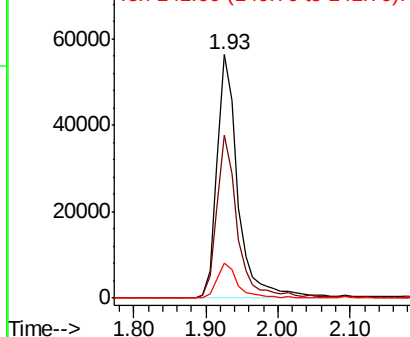
Lab File: VF060047.D

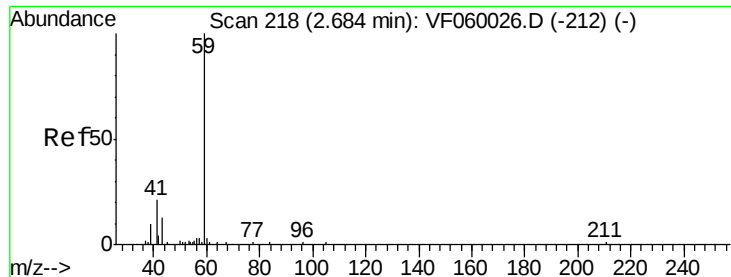
Acq: 23 Aug 2018 12:09

Tgt Ion:	142	Resp:	113327
Ion Ratio	Lower	Upper	
142	100		
127	67.1	51.8	77.6
141	14.5	11.9	17.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





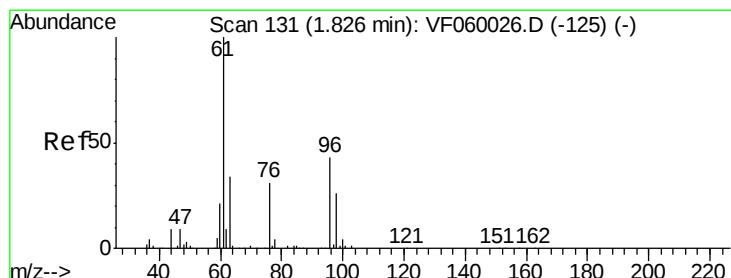
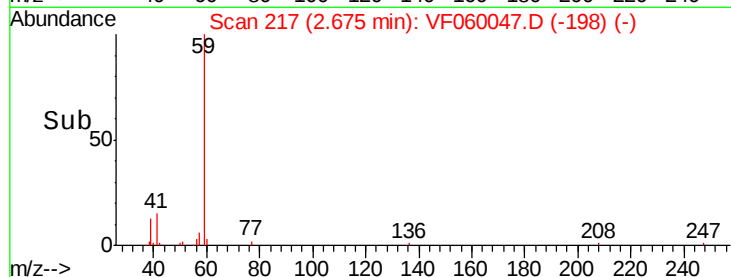
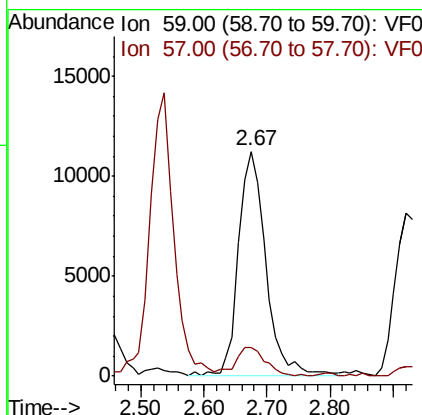
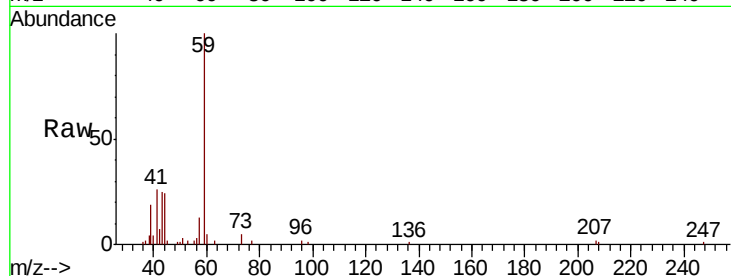
#11
Tert butyl alcohol
Concen: 224.76 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 34138
Ion Ratio Lower Upper
59 100
57 12.8 5.4 8.2#

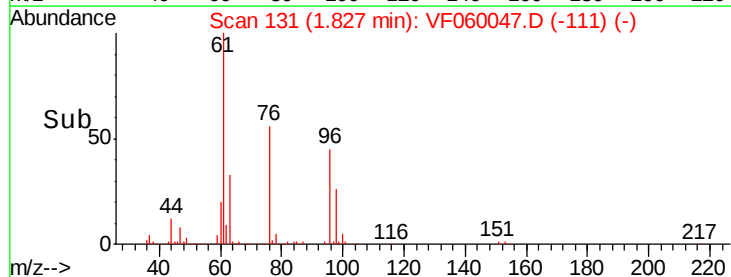
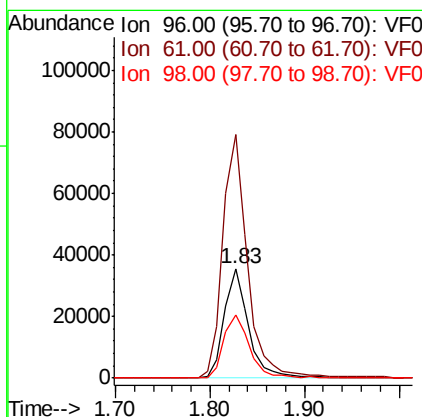
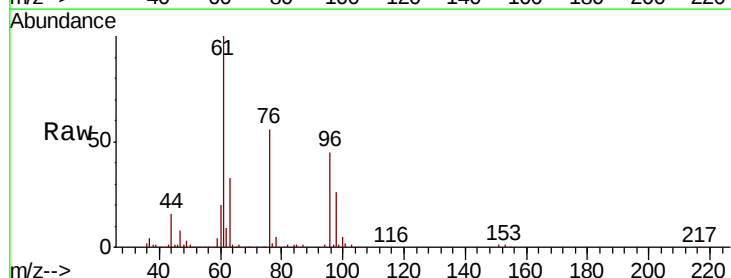
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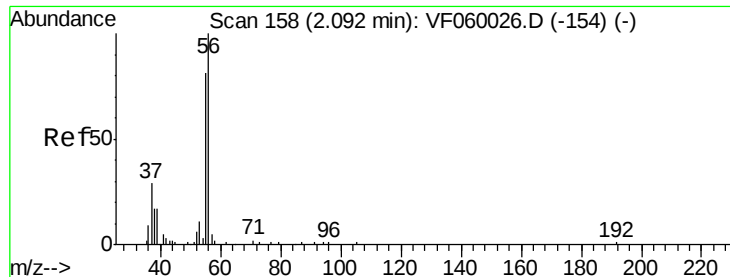
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.45 ug/l
RT: 1.83 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion: 96 Resp: 62928
Ion Ratio Lower Upper
96 100
61 222.8 185.0 277.6
98 57.6 47.8 71.8





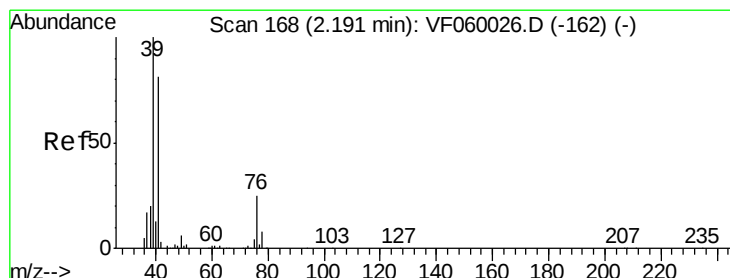
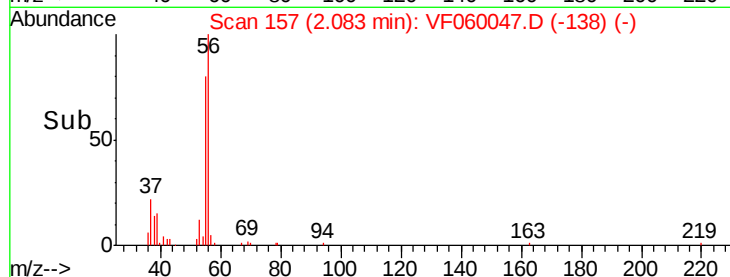
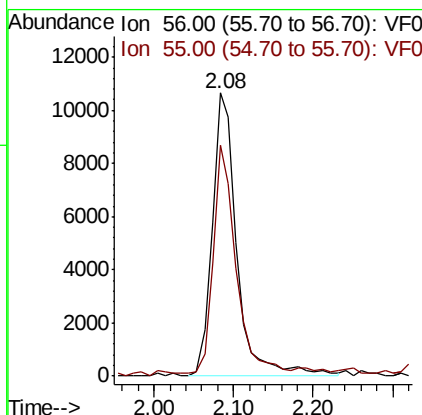
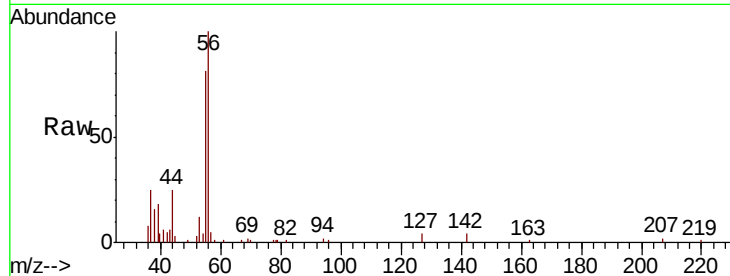
#13
Acrolein
Concen: 250.36 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	23235
Ion Ratio	100	Lower	Upper
55	81.4	65.6	98.4

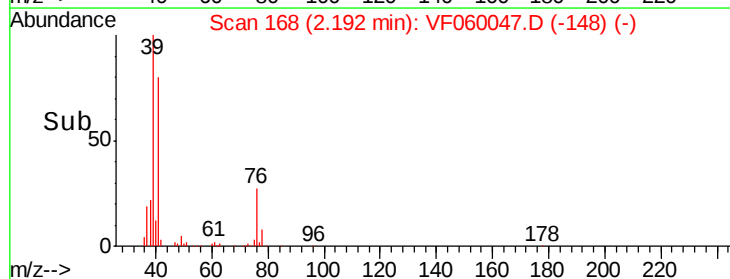
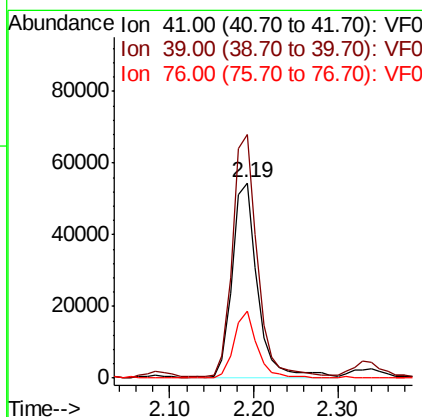
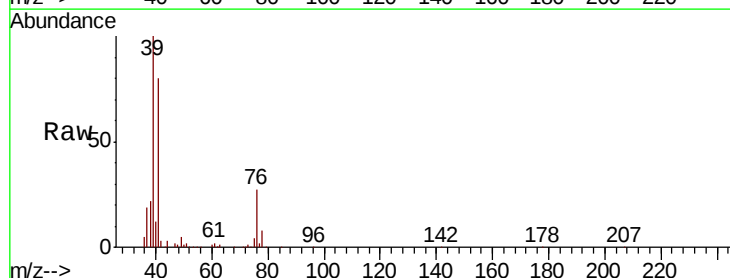
Manual Integrations
APPROVED

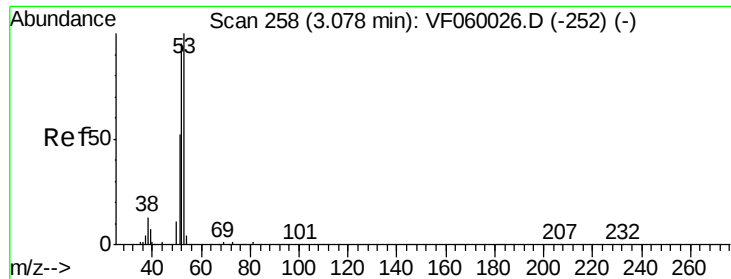
MMDadoda
8/24/2018 4:08:29 PM



#14
Allyl chloride
Concen: 48.00 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion	41	Resp	113040
Ion Ratio	100	Lower	Upper
39	124.8	99.3	148.9
76	34.2	24.3	36.5





#15

Acrylonitrile

Concen: 235.22 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

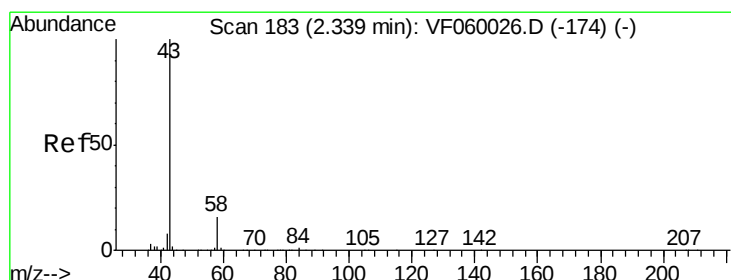
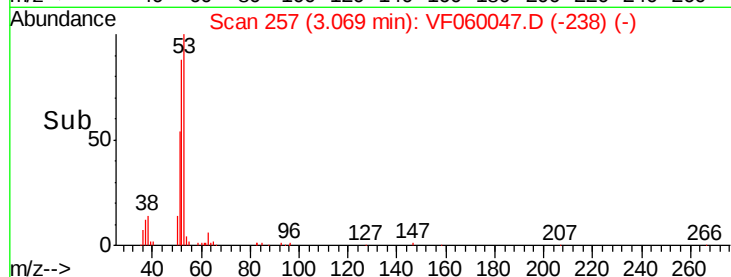
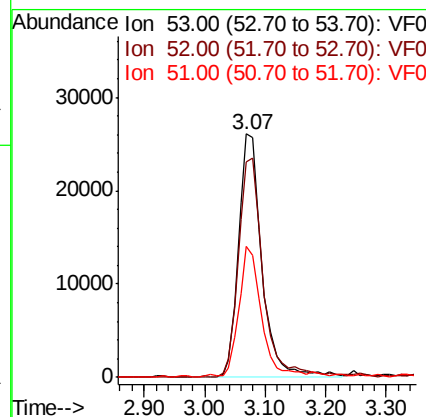
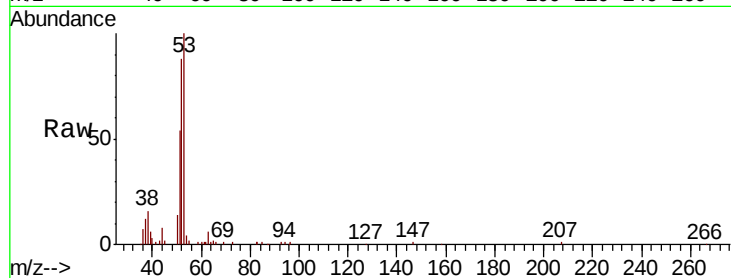
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	70503
Ion	Ratio	Lower	Upper
53	100		
52	88.3	75.8	113.8
51	54.0	42.1	63.1

Manual Integrations
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#16

Acetone

Concen: 277.09 ug/l

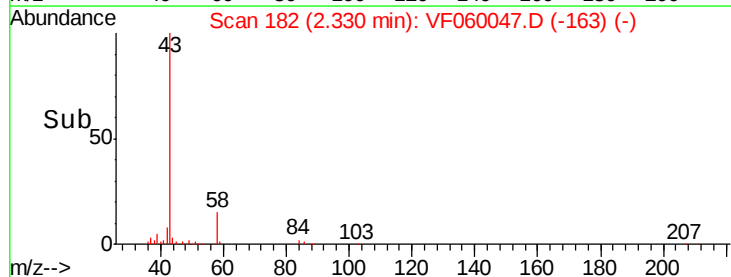
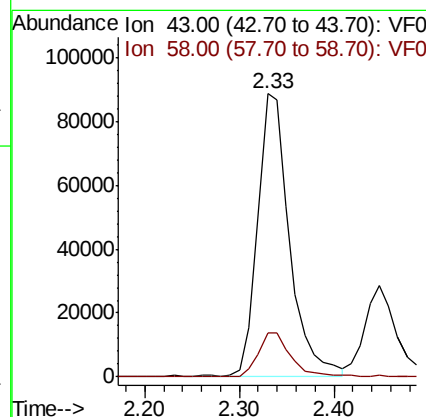
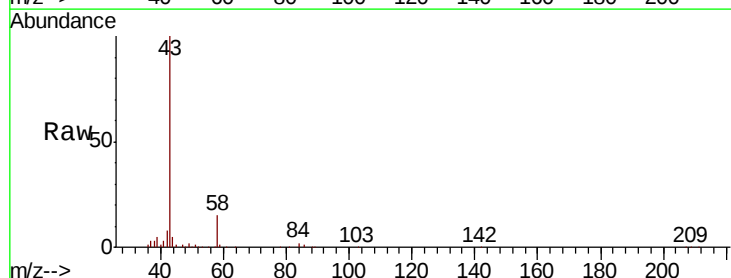
RT: 2.33 min Scan# 182

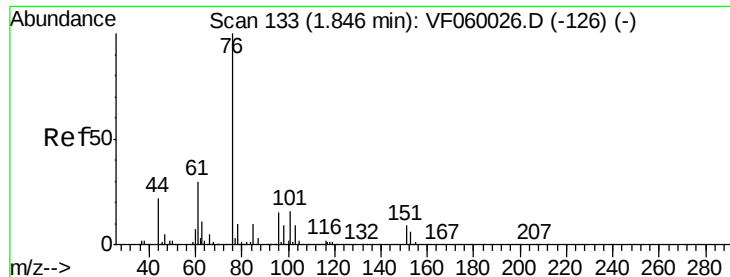
Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Tgt Ion:	43	Resp:	207917
Ion	Ratio	Lower	Upper
43	100		
58	15.4	12.6	19.0





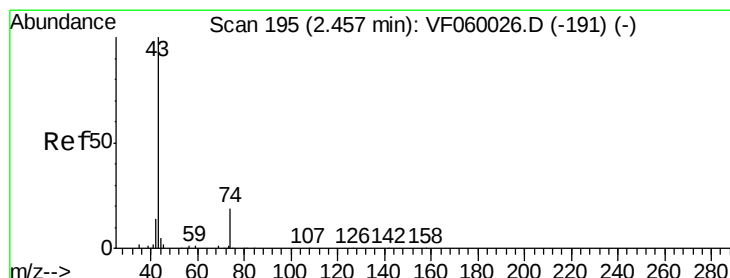
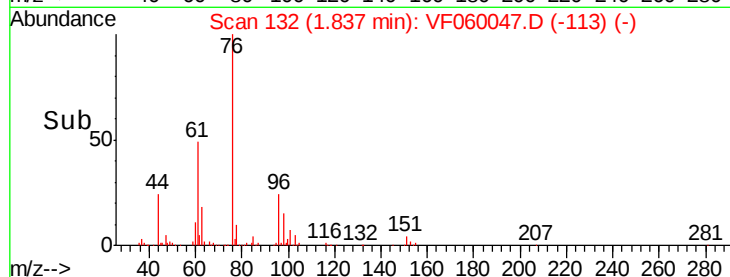
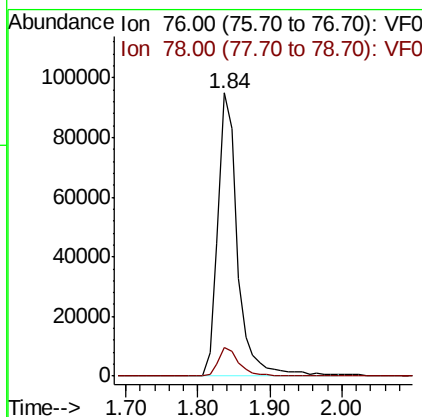
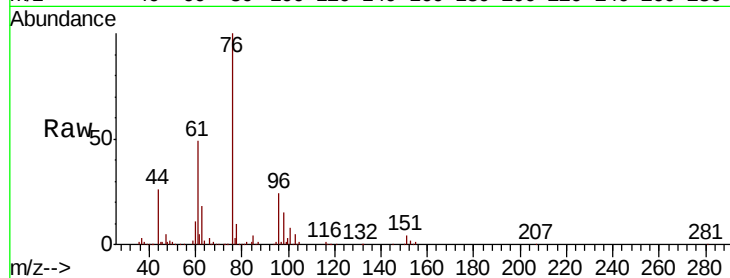
#17
Carbon Disulfide
Concen: 42.92 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	8.4	12.6

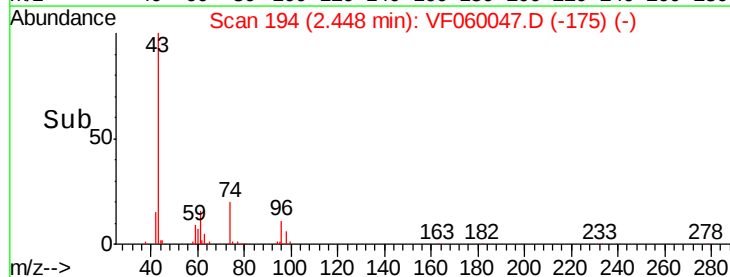
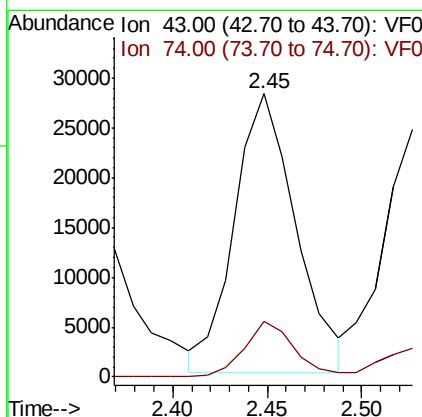
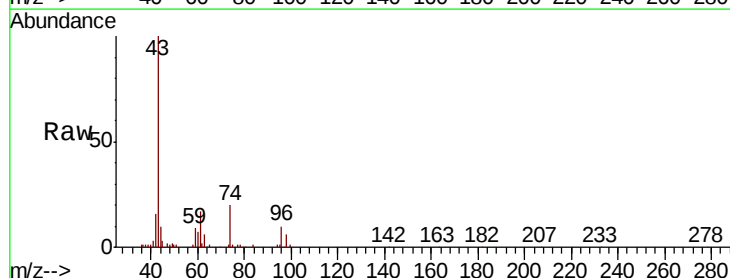
Manual Integrations
APPROVED

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#18
Methyl Acetate
Concen: 49.20 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	13.8	20.6





#19

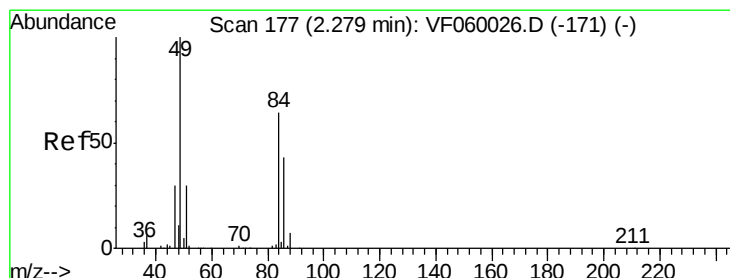
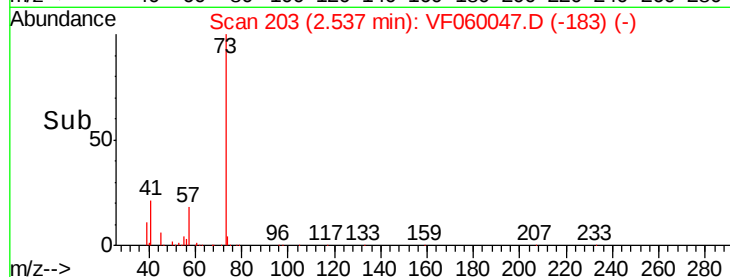
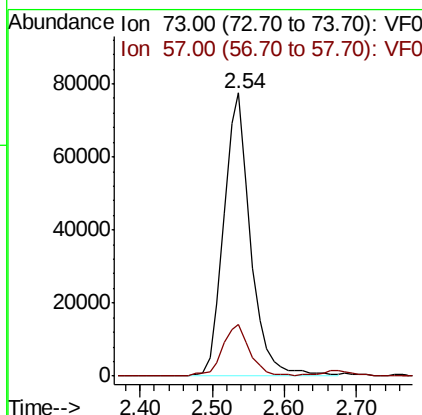
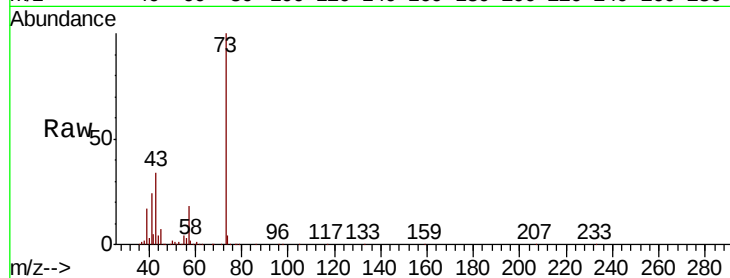
Methyl tert-butyl Ether
Concen: 46.94 ug/l
RT: 2.54 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.3	13.7	20.5

Manual Integrations
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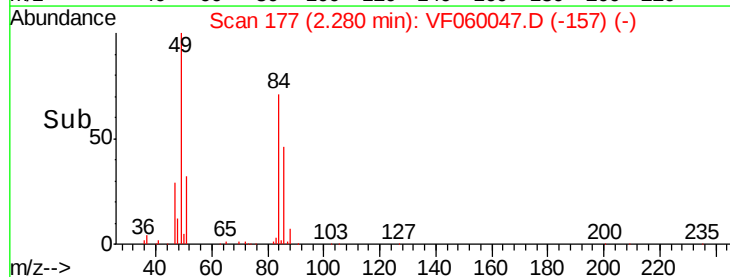
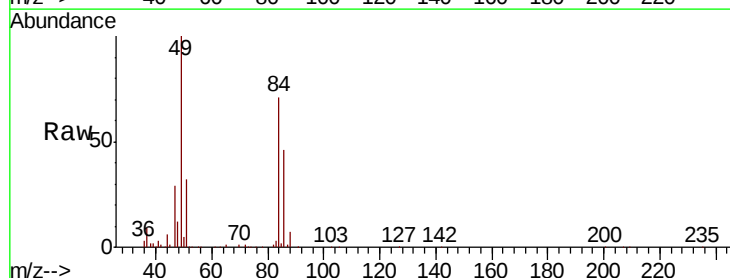
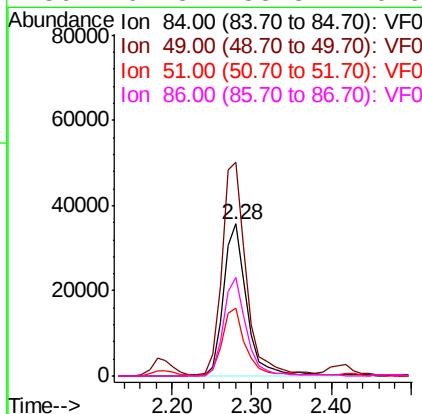
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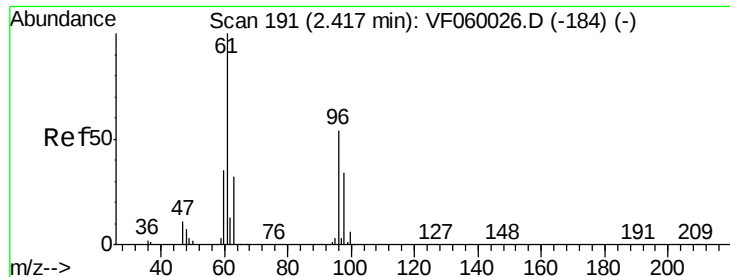


#20

Methylene Chloride
Concen: 50.07 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.3	125.4	188.0
51	44.6	38.3	57.5
86	64.8	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 43.58 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

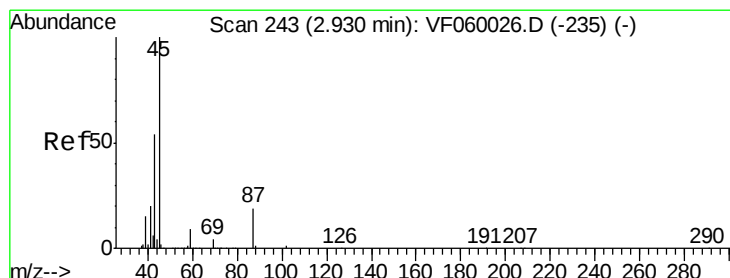
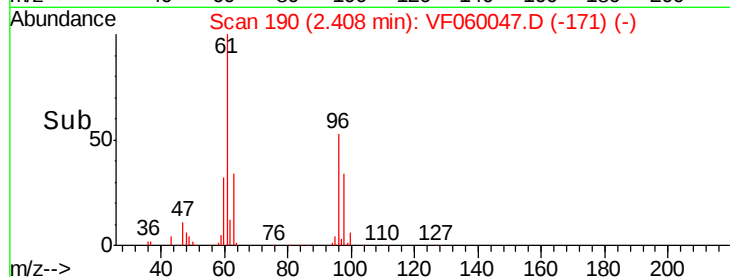
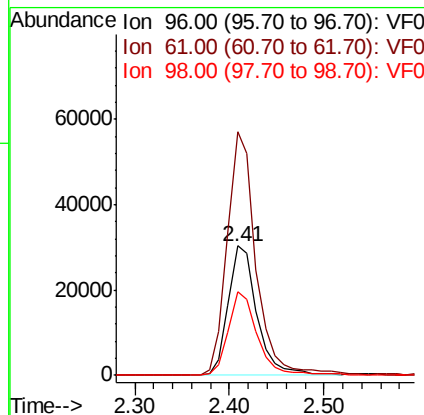
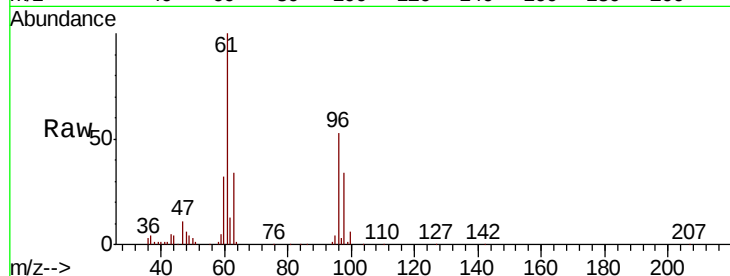
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	64657
Ion	Ratio	Lower	Upper
96	100		
61	188.5	147.4	221.0
98	64.6	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.53 ug/l

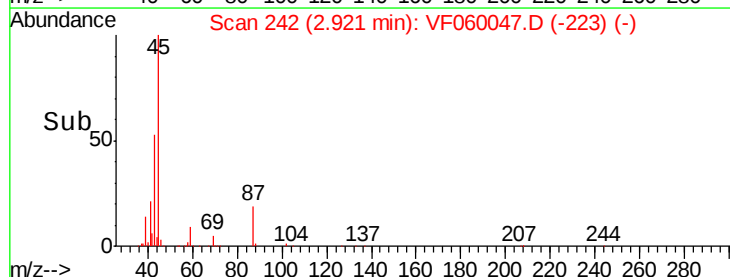
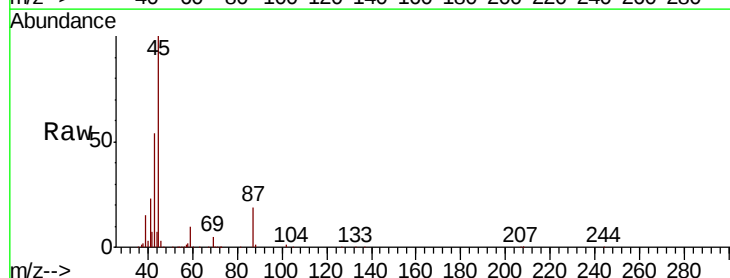
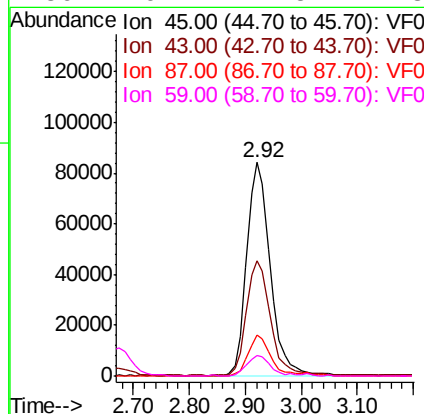
RT: 2.92 min Scan# 242

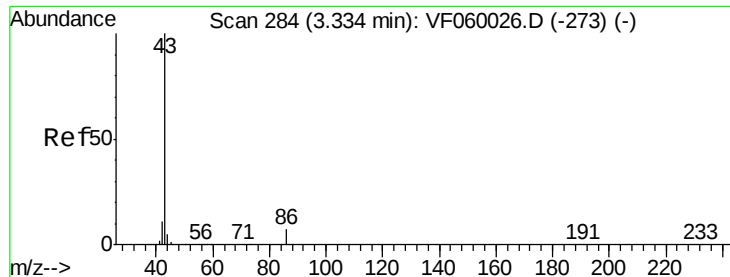
Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Tgt Ion:	45	Resp:	245364
Ion	Ratio	Lower	Upper
45	100		
43	53.8	43.4	65.2
87	19.1	15.4	23.2
59	9.7	7.5	11.3





#23

Vinyl Acetate

Concen: 223.09 ug/l

RT: 3.34 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 623268

Ion Ratio Lower Upper

43 100

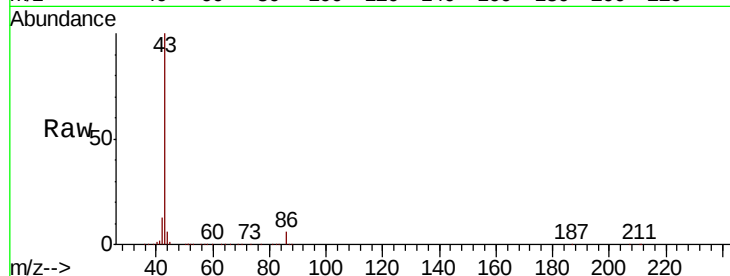
86 5.6 5.6 8.4

Manual Integrations

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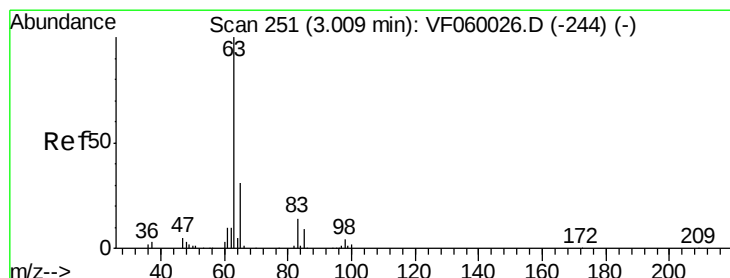
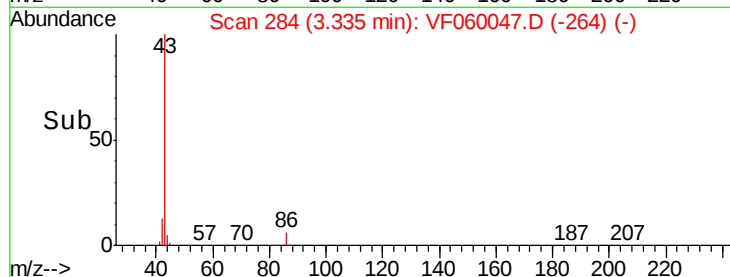
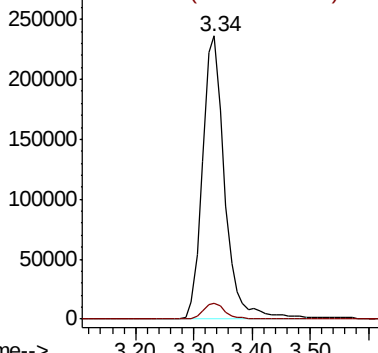
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 47.81 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

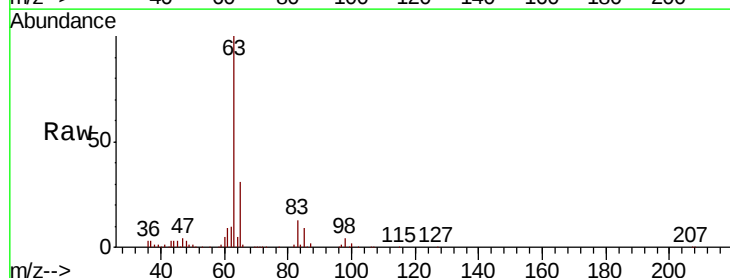
Tgt Ion: 63 Resp: 155760

Ion Ratio Lower Upper

63 100

98 3.8 2.1 6.5

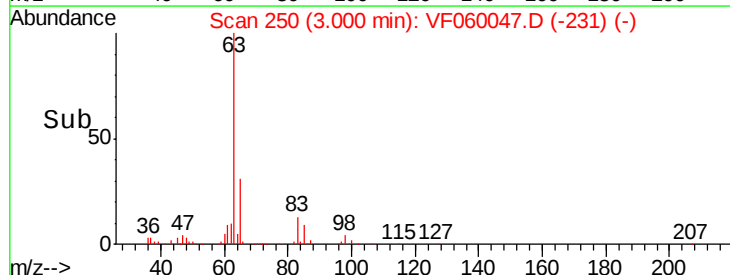
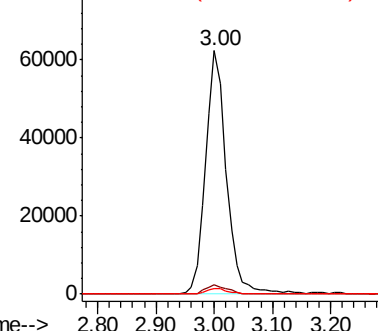
100 2.1 1.1 3.3

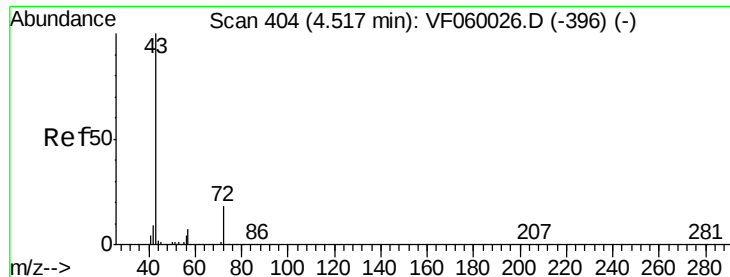


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 251.77 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 245390

Ion Ratio Lower Upper

43 100

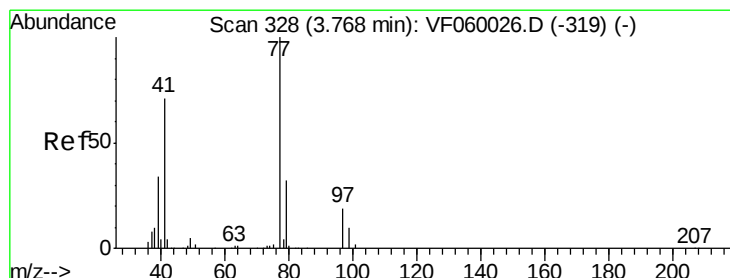
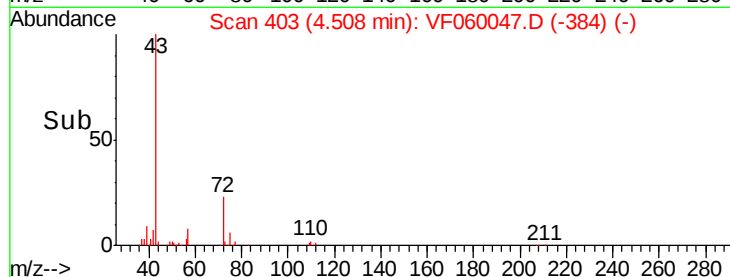
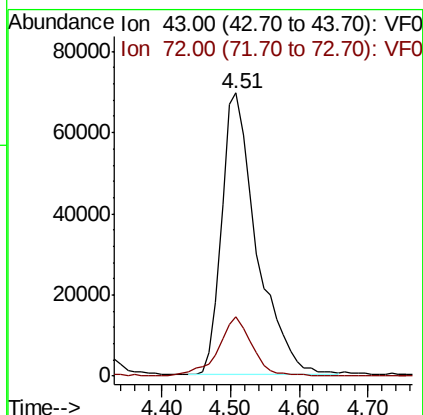
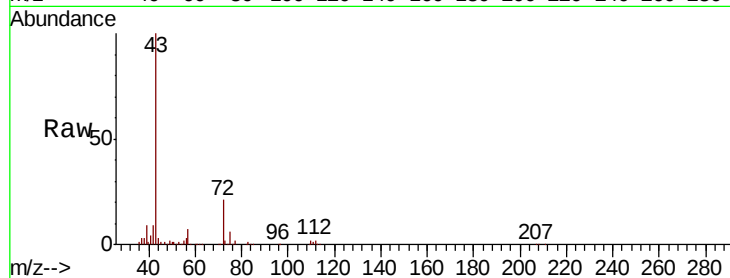
72 21.0 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.49 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060047.D

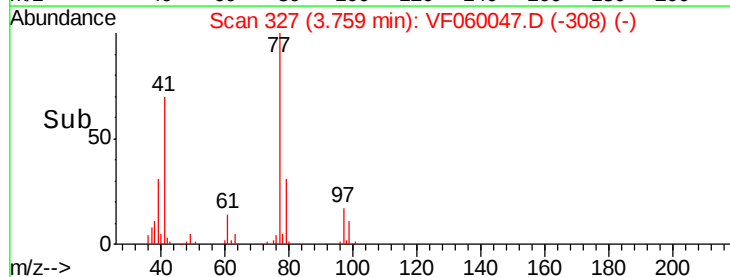
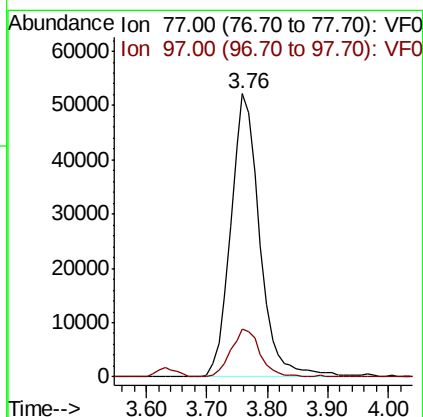
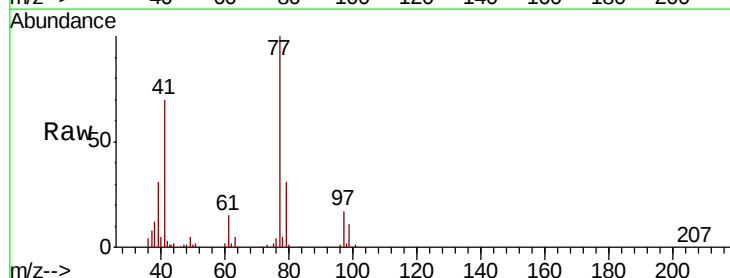
Acq: 23 Aug 2018 12:09

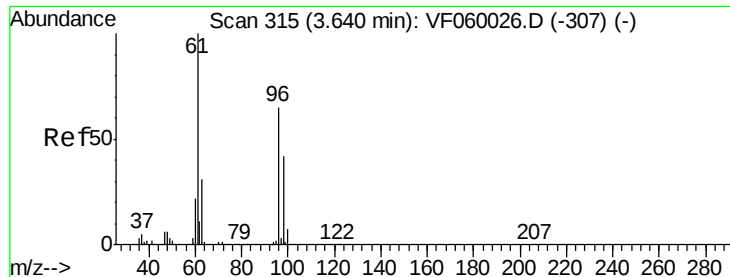
Tgt Ion: 77 Resp: 173553

Ion Ratio Lower Upper

77 100

97 17.1 9.7 29.1





#27

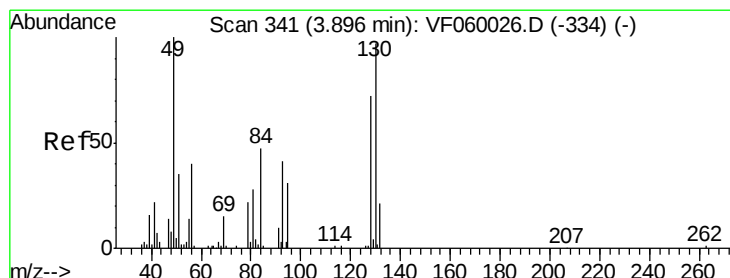
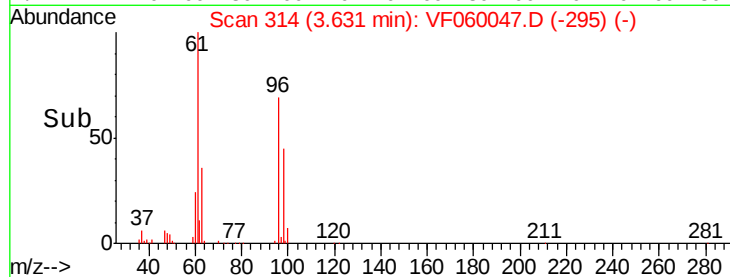
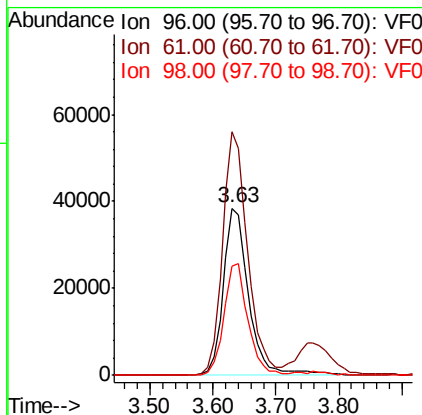
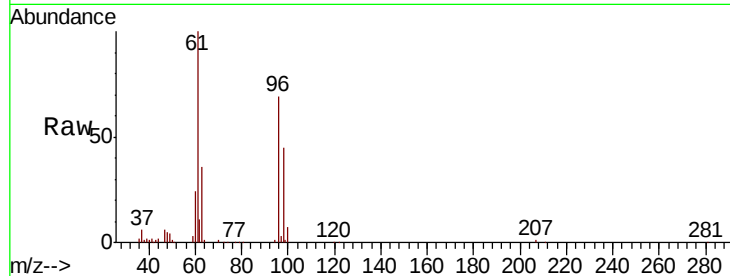
cis-1,2-Dichloroethene
 Concen: 50.93 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	307.6
98	65.8	0.0	128.4

Manual Integrations
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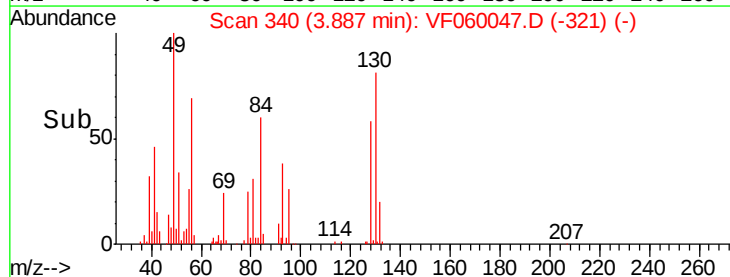
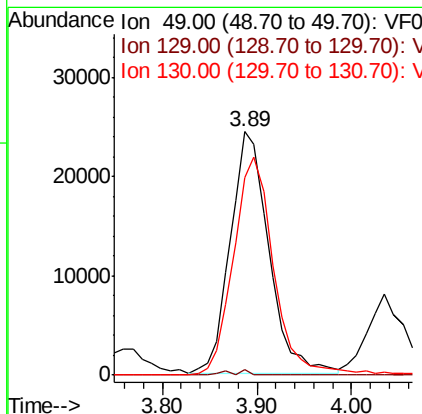
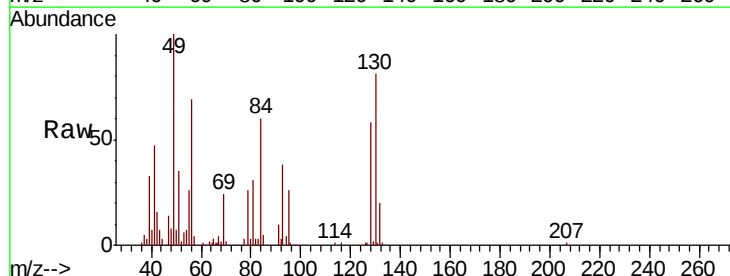
MMDadoda
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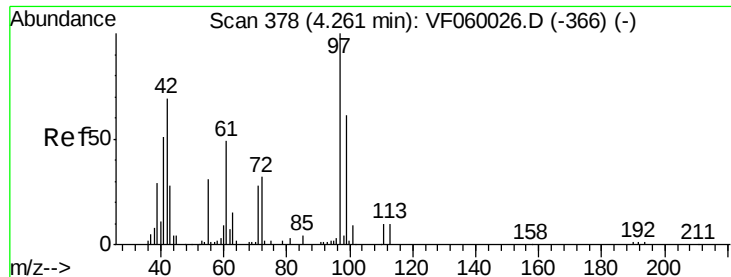


#28

Bromochloromethane
 Concen: 49.89 ug/l
 RT: 3.89 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	7.4
130	82.5	78.0	117.0





#29

Tetrahydrofuran

Concen: 242.35 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

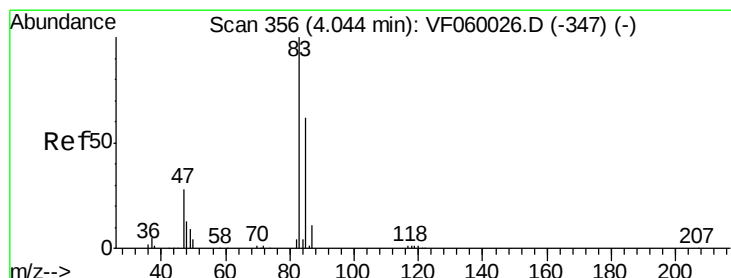
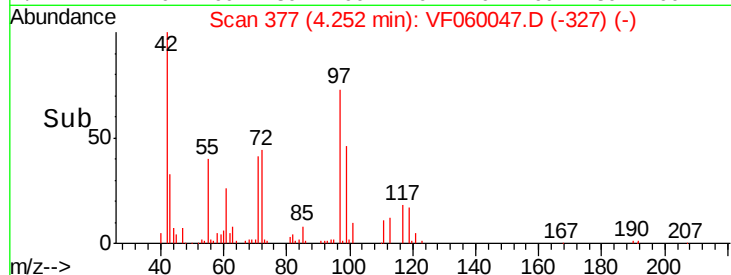
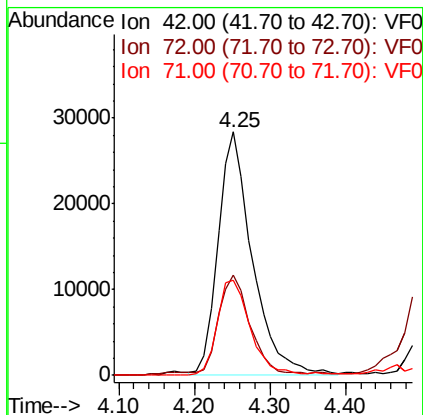
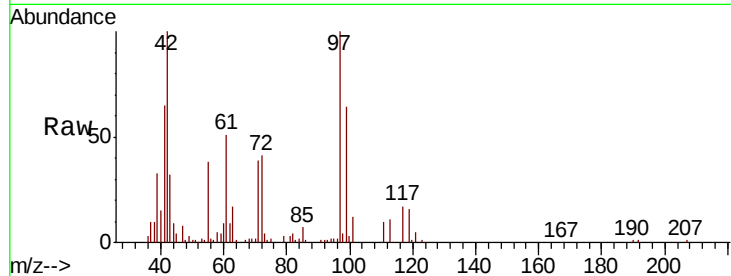
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	89182
Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.4	47.2
71	37.9	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 48.22 ug/l

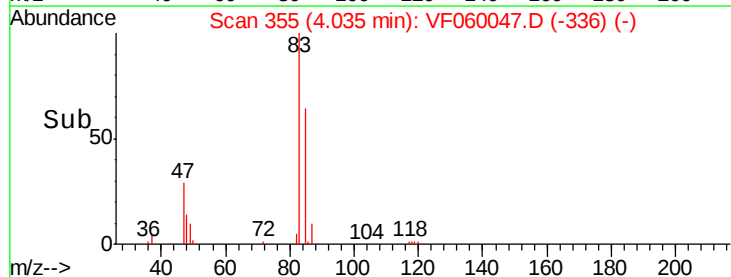
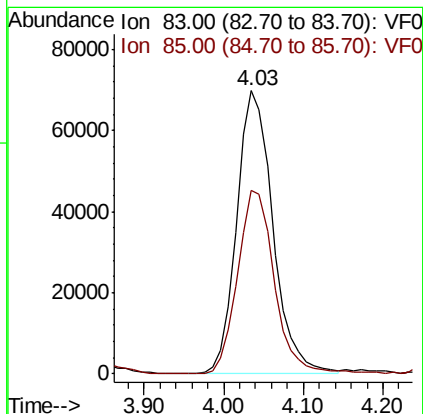
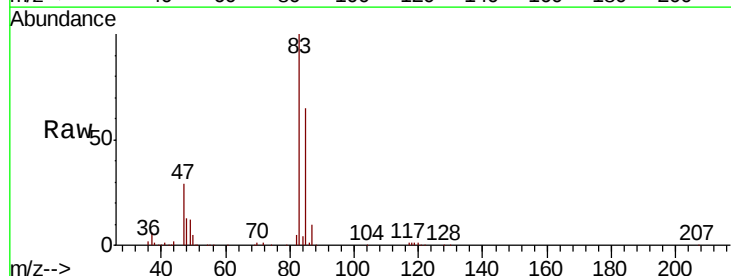
RT: 4.03 min Scan# 355

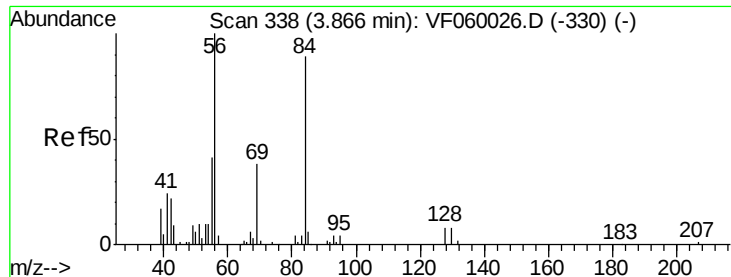
Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Tgt Ion:	83	Resp:	220525
Ion	Ratio	Lower	Upper
83	100		
85	65.0	49.5	74.3





#31

Cyclohexane

Concen: 44.94 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

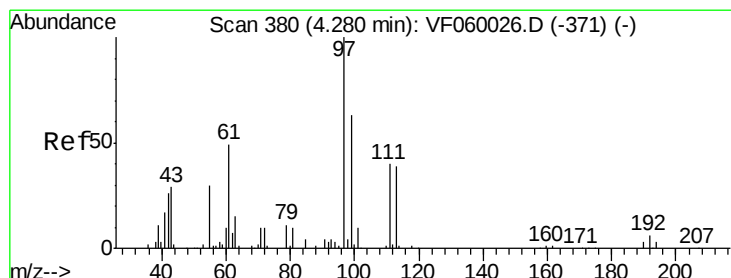
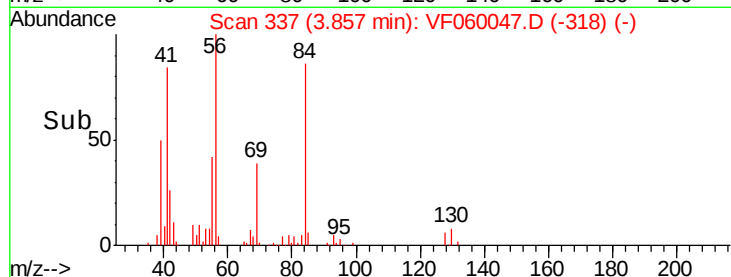
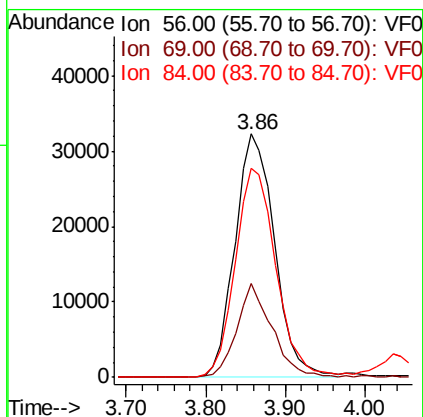
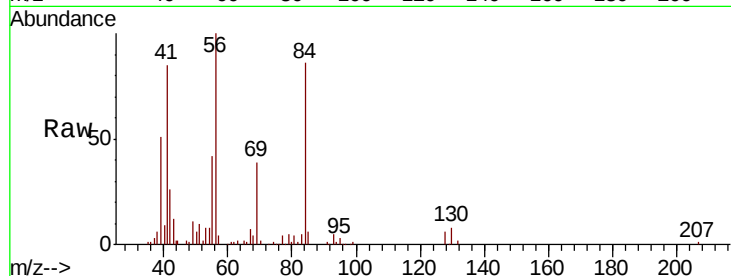
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	111556
Ion	Ratio	Lower	Upper
56	100		
69	38.8	30.4	45.6
84	85.7	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.94 ug/l

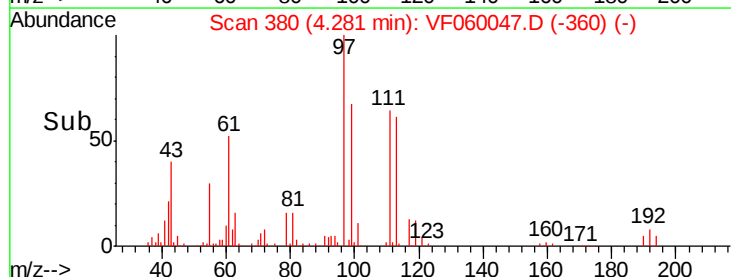
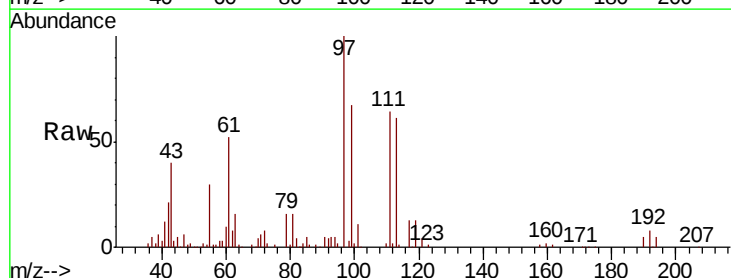
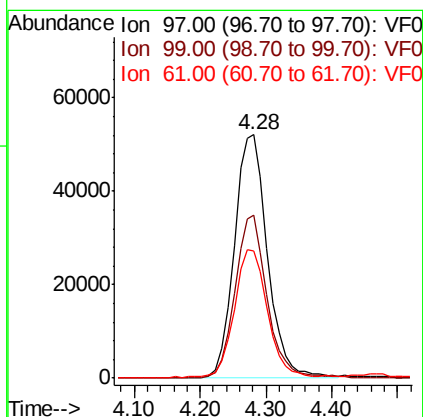
RT: 4.28 min Scan# 380

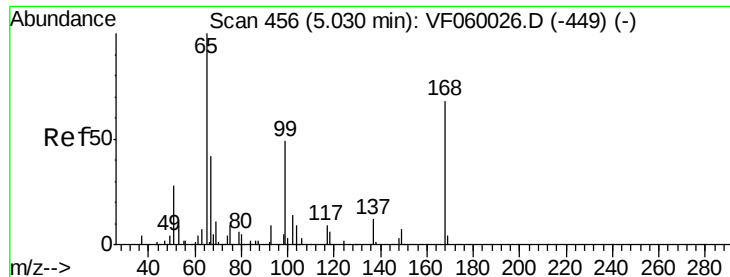
Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Tgt Ion:	97	Resp:	183802
Ion	Ratio	Lower	Upper
97	100		
99	66.9	50.3	75.5
61	52.4	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 47.47 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 135522

Ion Ratio Lower Upper

65 100

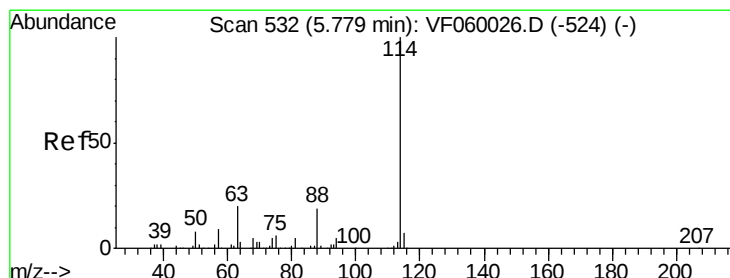
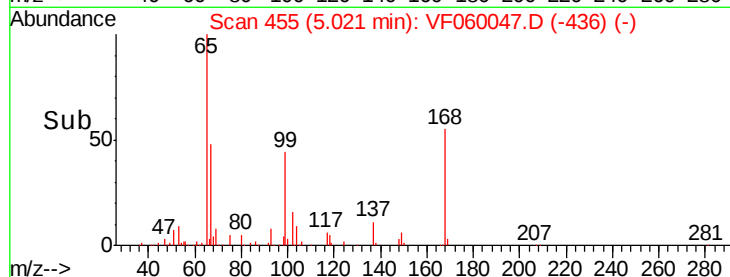
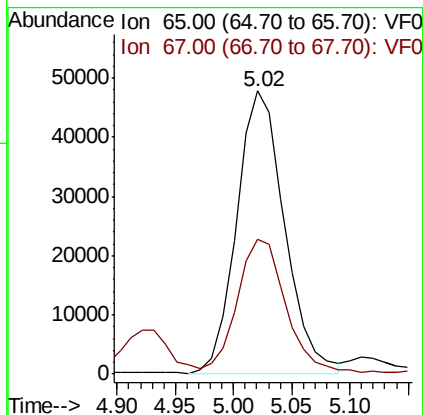
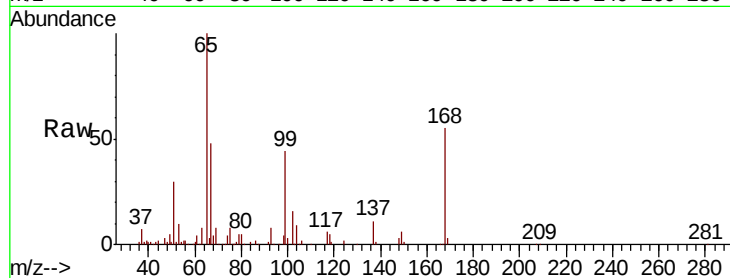
67 47.6 0.0 92.0

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: VF060047.D

Acq: 23 Aug 2018 12:09

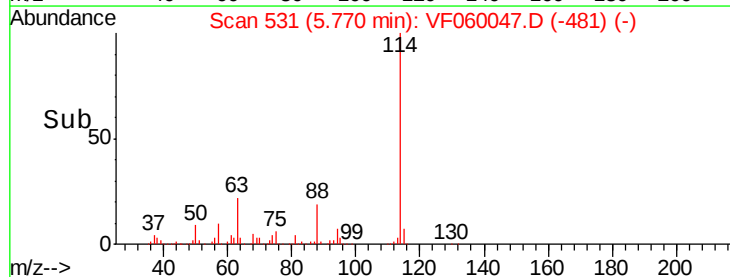
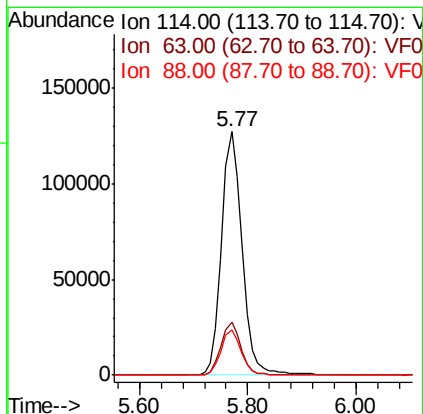
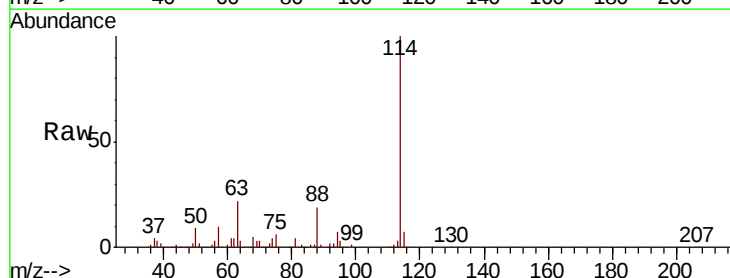
Tgt Ion: 114 Resp: 334732

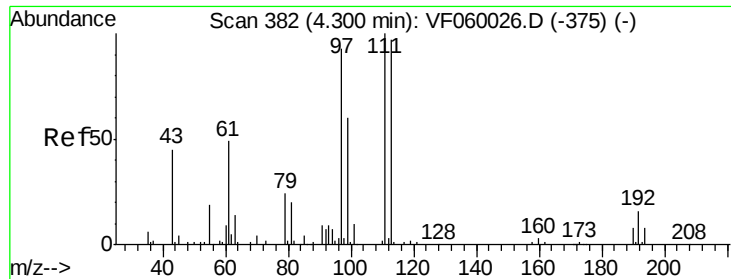
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.4

88 18.5 0.0 38.6





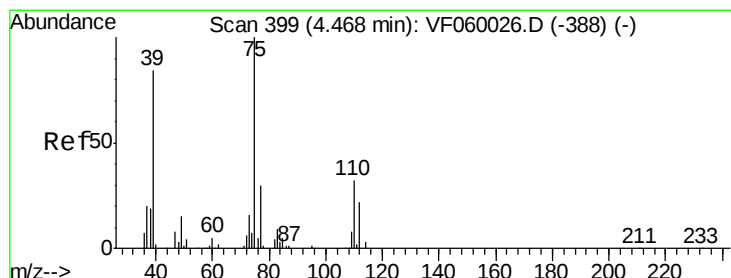
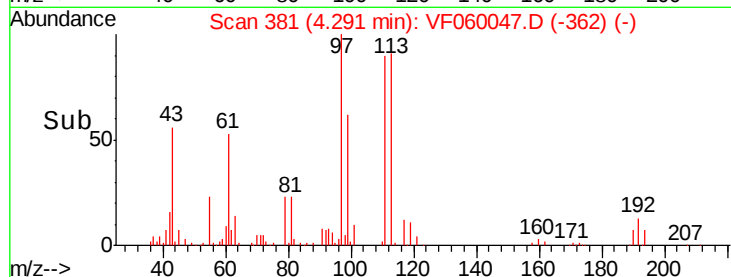
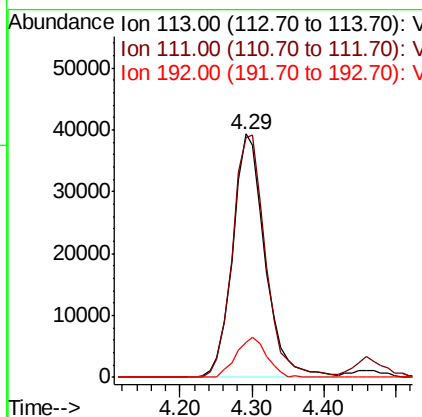
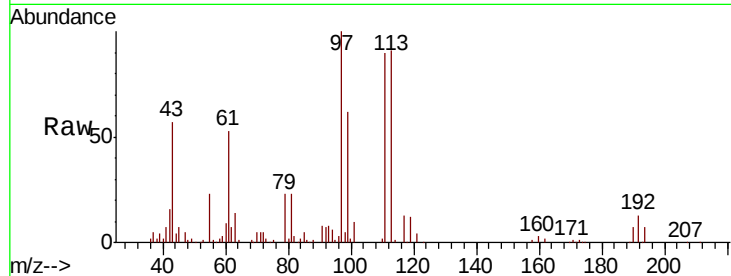
#35
 Dibromofluoromethane
 Concen: 46.87 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.5	82.7	124.1
192	14.3	13.0	19.4

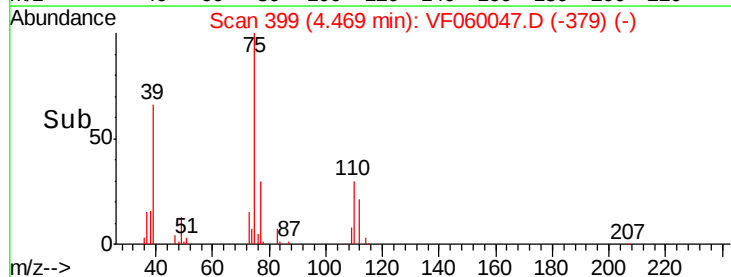
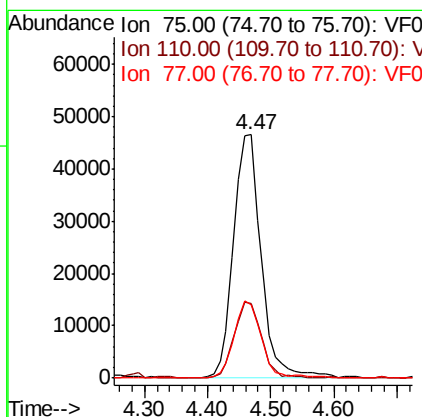
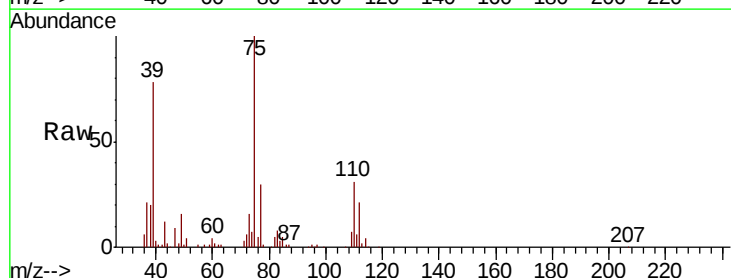
Manual Integrations
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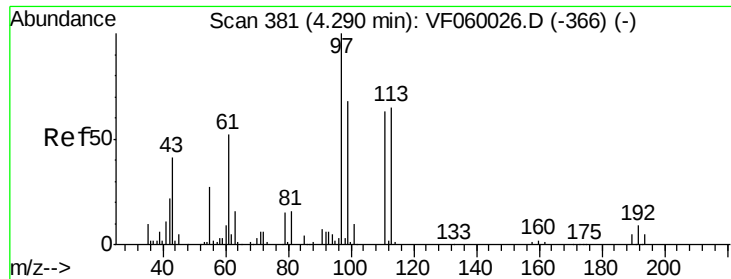
MMDadoda
 8/24/2018 4:08:29 PM



#36
 1,1-Dichloropropene
 Concen: 44.95 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.8	16.0	47.9
77	29.9	24.1	36.1





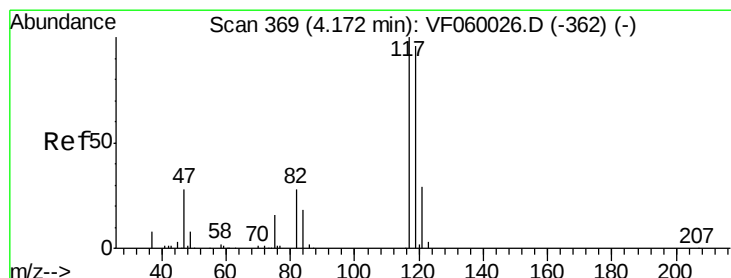
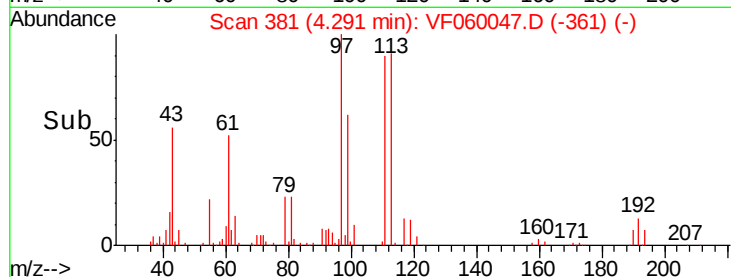
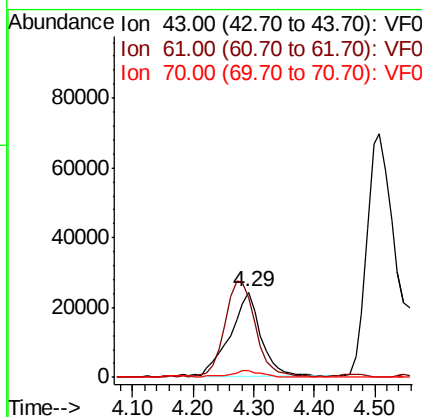
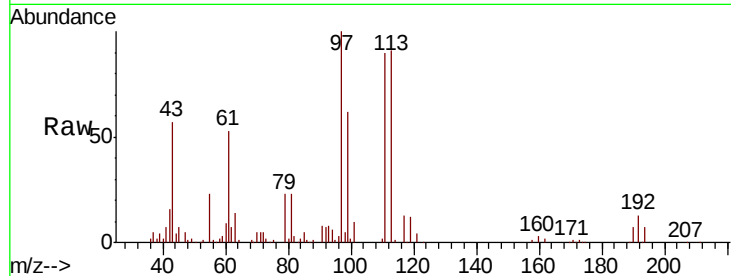
#37
Ethyl Acetate
Concen: 45.58 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	92.9	101.5	152.3#
70	8.7	6.4	9.6

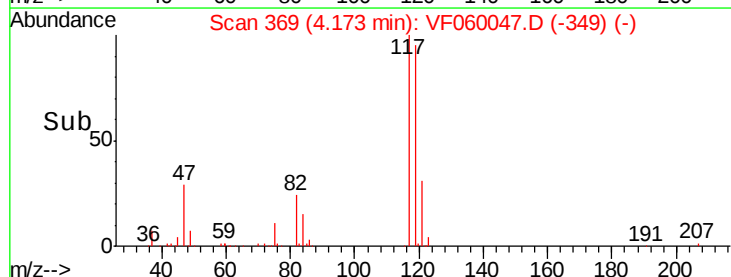
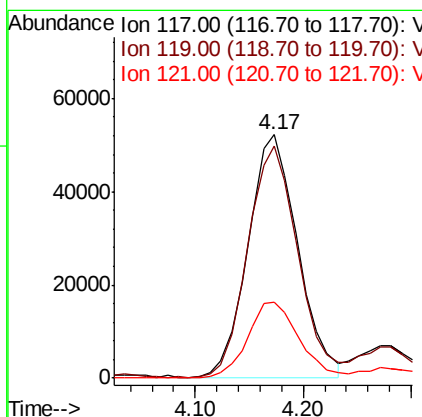
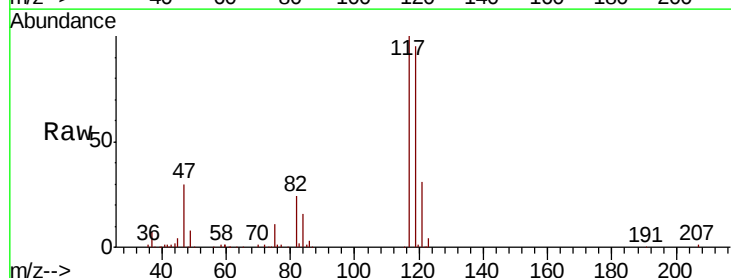
Manual Integrations
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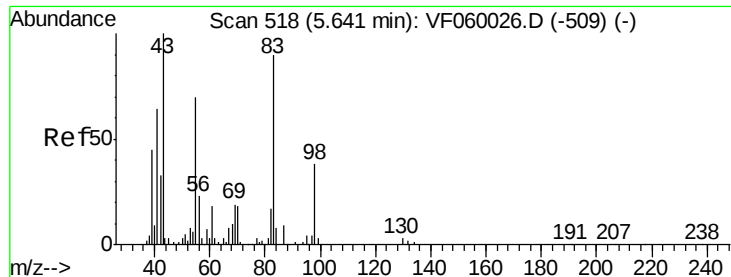
MMDadoda
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#38
Carbon Tetrachloride
Concen: 45.95 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.5	114.7
121	31.3	23.0	34.6





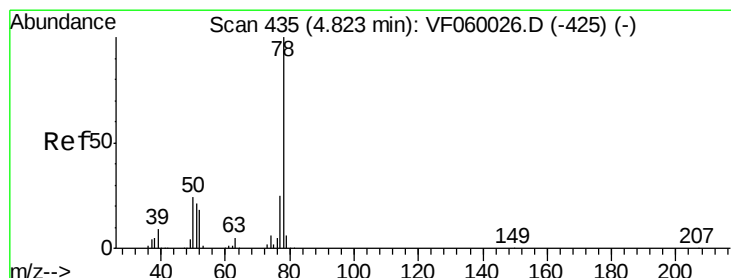
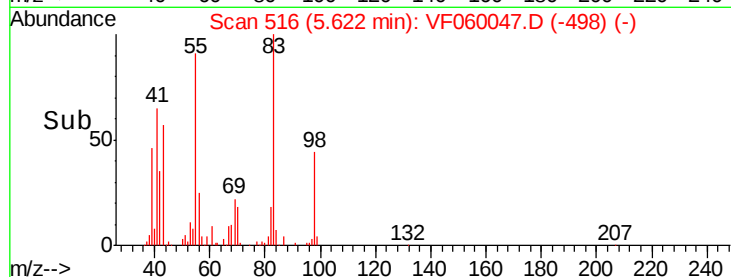
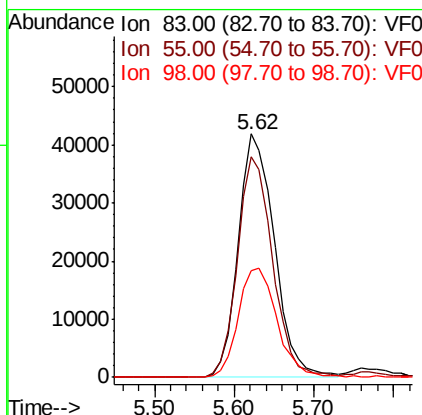
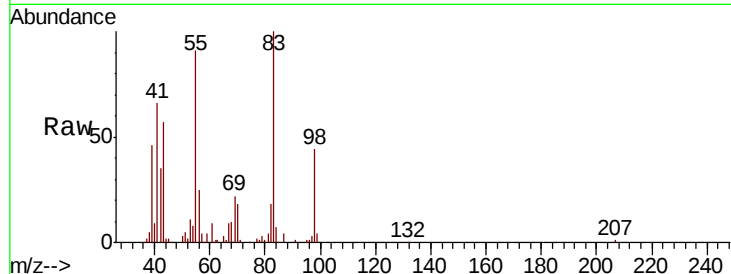
#39
Methvlcvclohexane
Concen: 44.66 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.8	62.7	94.1
98	43.6	33.8	50.8

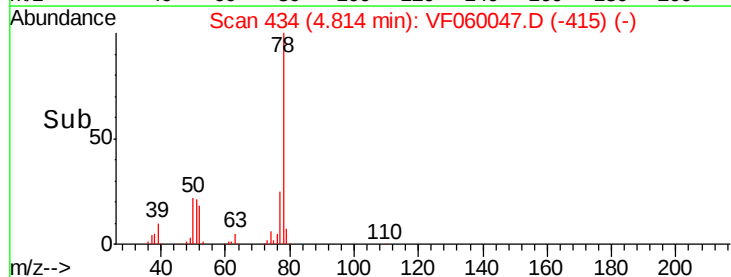
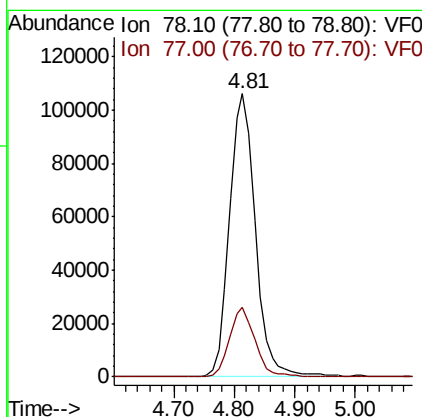
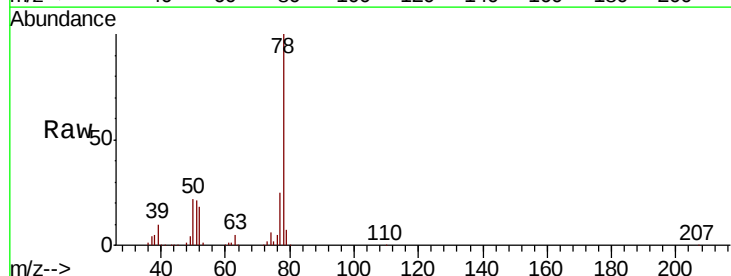
Manual Integrations
APPROVED

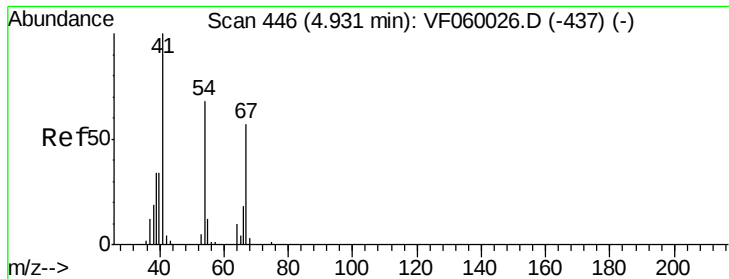
MMDadoda
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#40
Benzene
Concen: 45.91 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.8	29.6





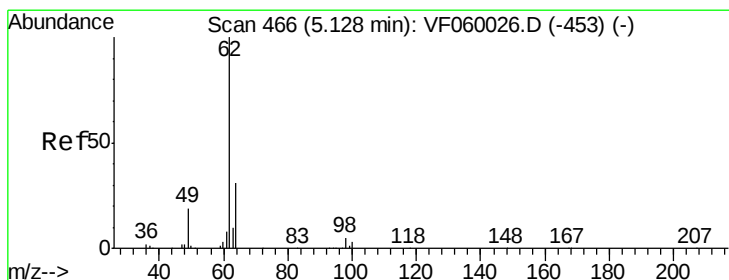
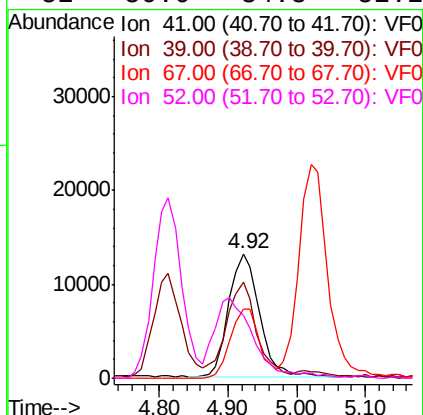
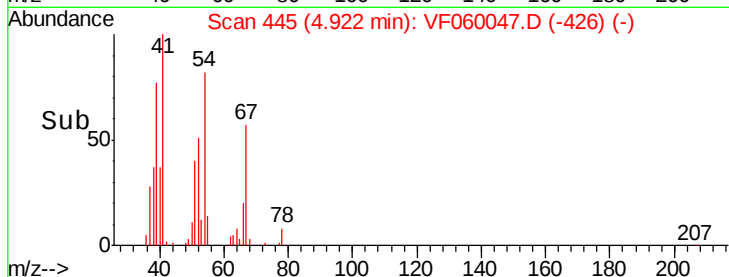
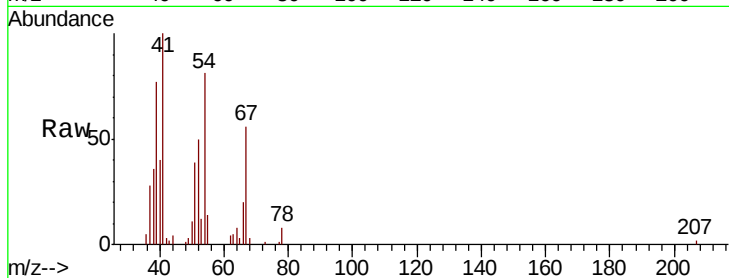
#41
Methacrylonitrile
Concen: 43.23 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	41135
Ion	Ratio	Lower	Upper
41	100		
39	77.4	52.9	79.3
67	56.0	45.3	67.9
52	50.0	34.8	52.2

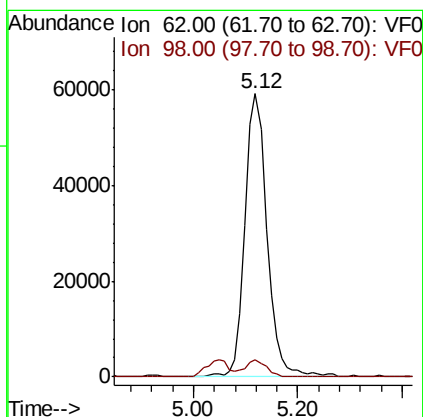
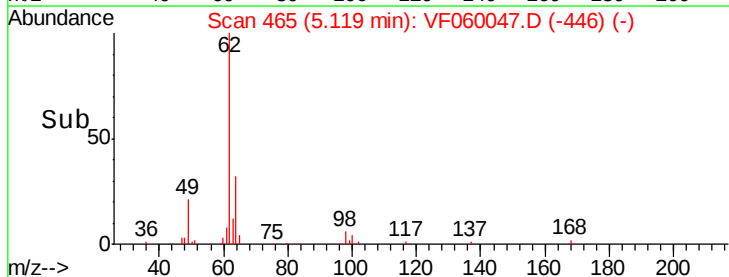
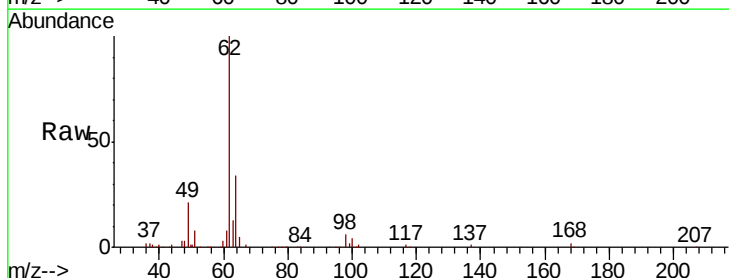
Manual Integrations
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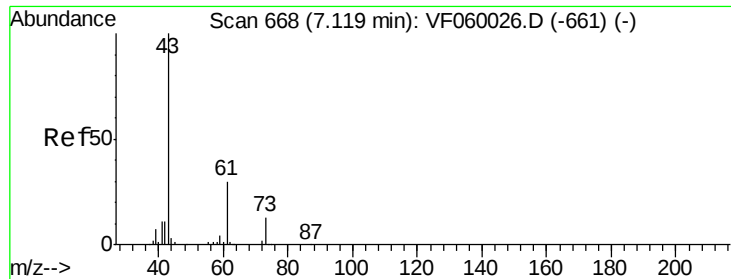
MMDadoda
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#42
1,2-Dichloroethane
Concen: 45.91 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion:	62	Resp:	169147
Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	11.2





#43

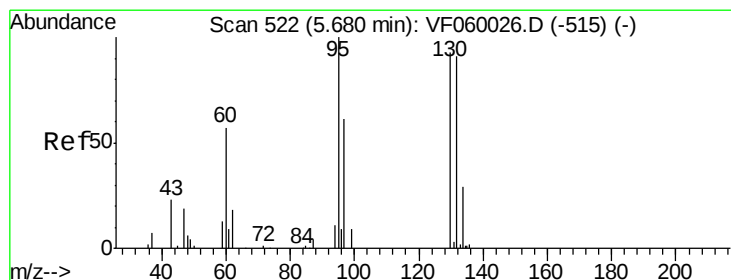
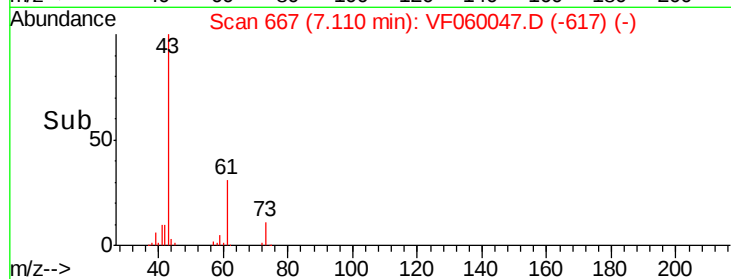
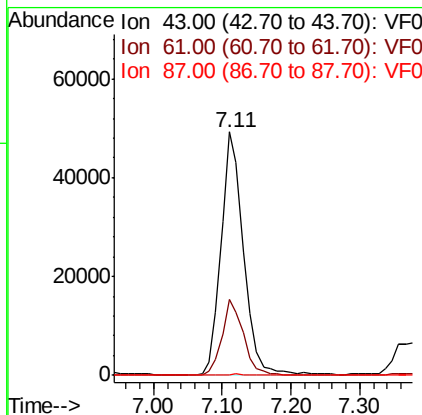
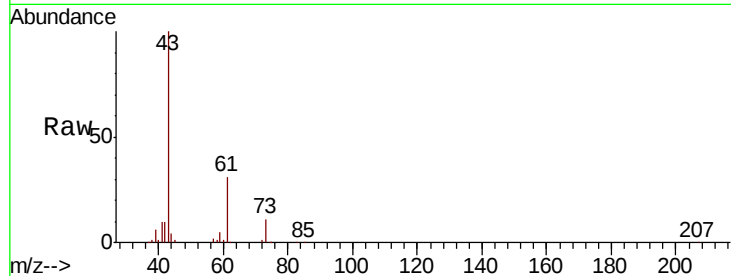
Isopropyl Acetate
 Concen: 47.41 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.2	23.8	35.6
87	0.0	0.2	0.4

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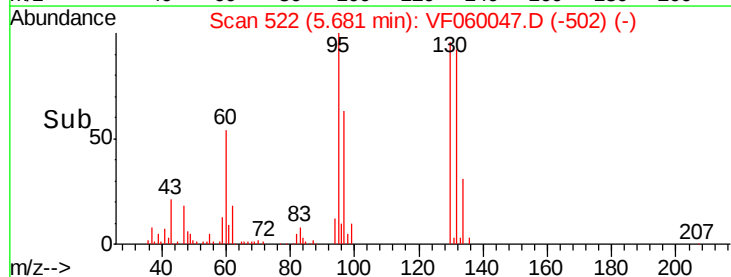
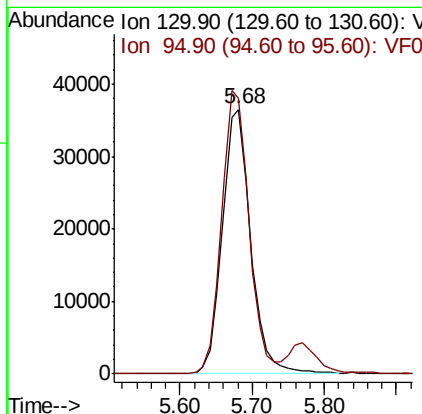
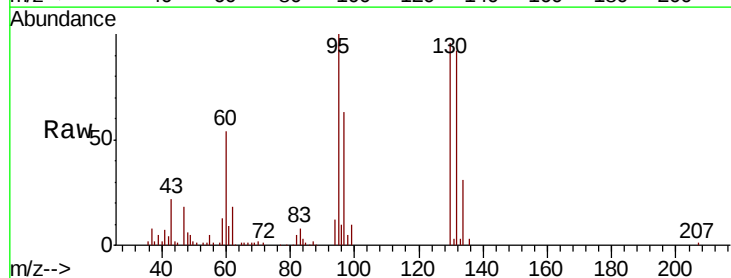
MMDadoda
 8/24/2018 4:08:29 PM

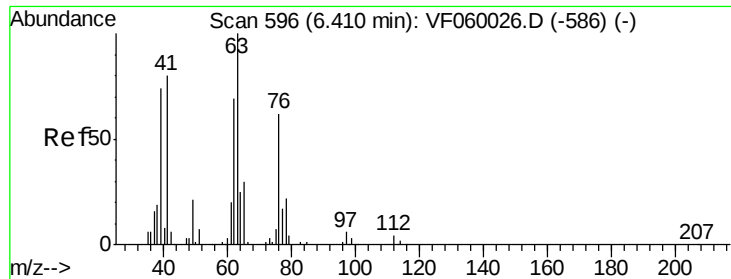


#44

Trichloroethene
 Concen: 43.83 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	215.8





#45

1,2-Dichloropropane

Concen: 52.00 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 101065

Ion Ratio Lower Upper

63 100

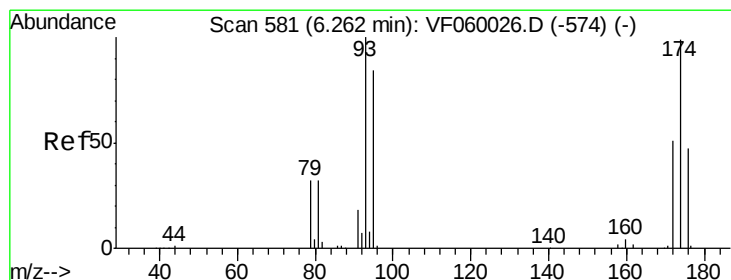
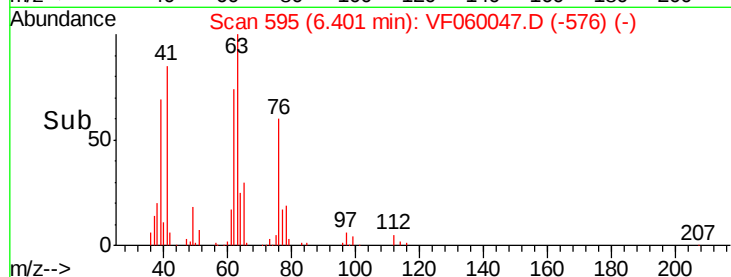
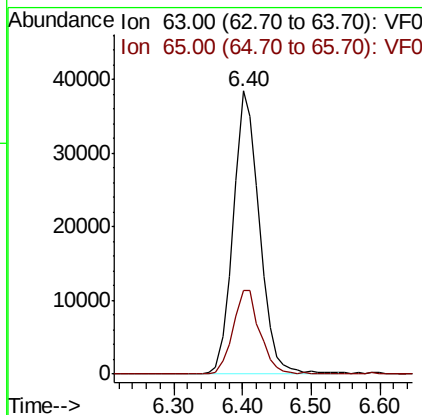
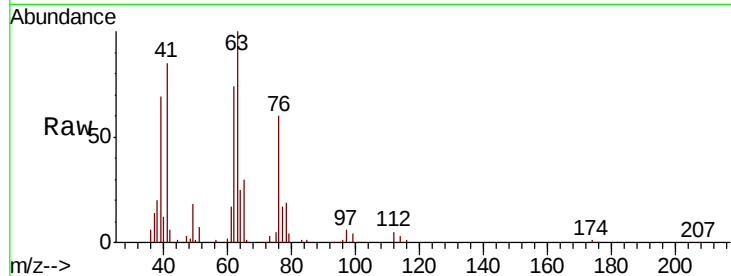
65 29.7 23.8 35.6

Manual Integrations

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#46

Dibromomethane

Concen: 47.92 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

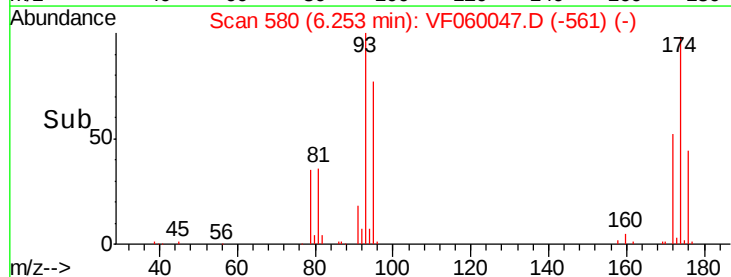
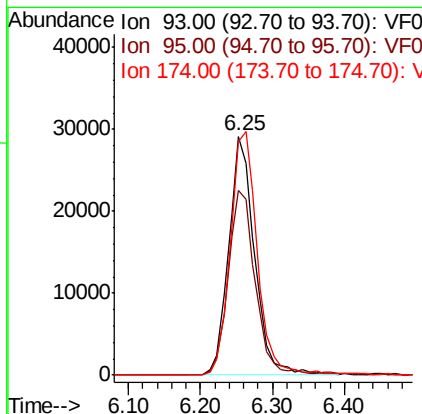
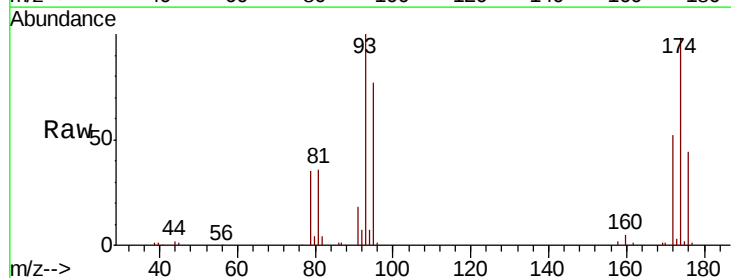
Tgt Ion: 93 Resp: 72888

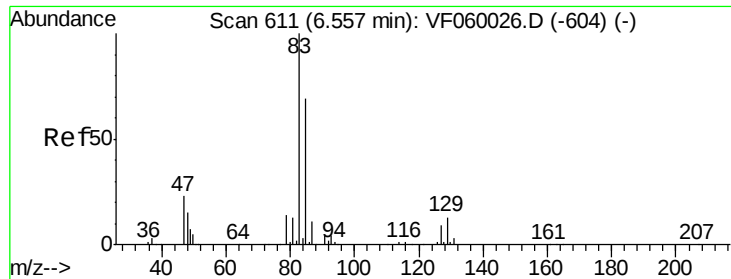
Ion Ratio Lower Upper

93 100

95 77.5 67.1 100.7

174 97.7 79.0 118.4





#47

Bromodichloromethane

Concen: 47.07 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

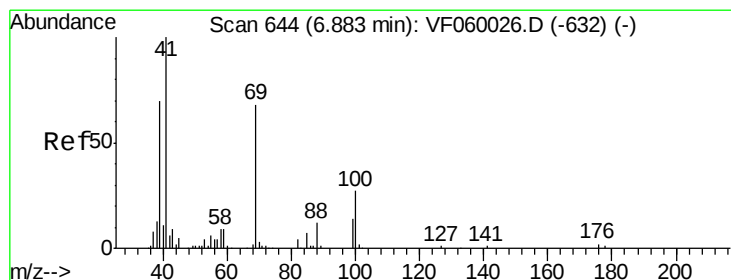
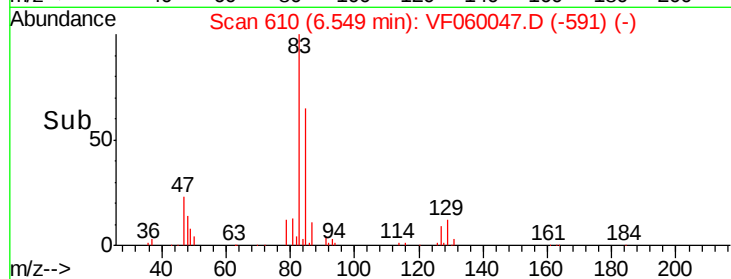
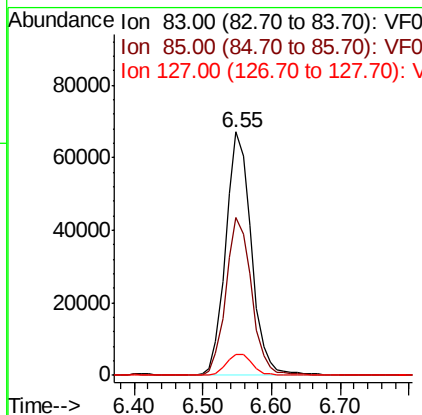
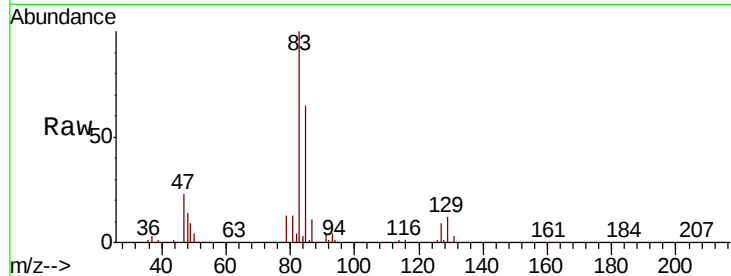
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172931
Ion Ratio	Lower	Upper	
83	100		
85	64.9	55.2	82.8
127	8.6	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.06 ug/l

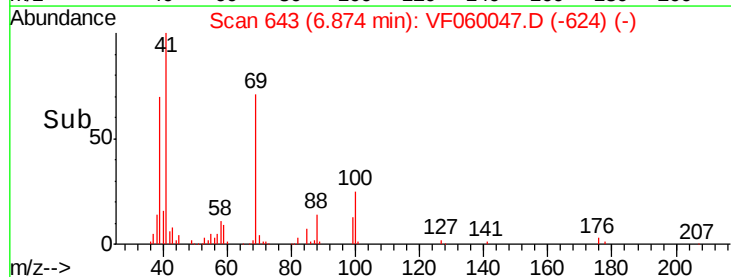
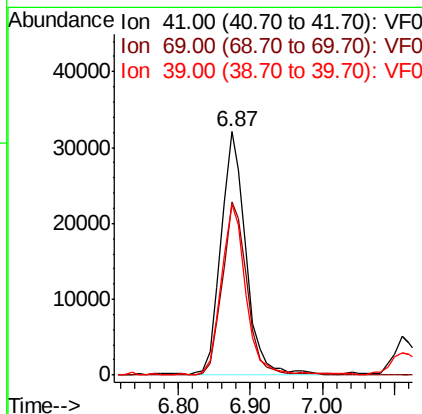
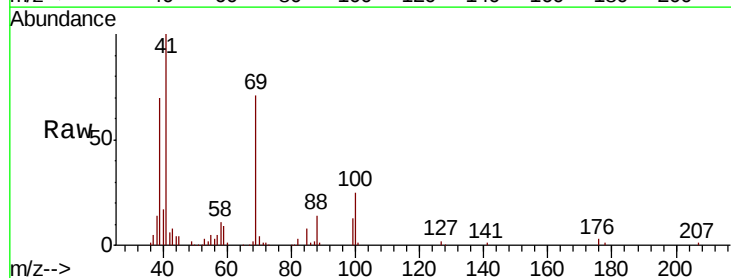
RT: 6.87 min Scan# 643

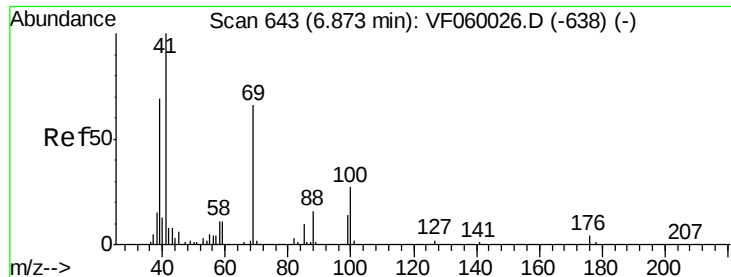
Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Tgt Ion:	41	Resp:	76861
Ion Ratio	Lower	Upper	
41	100		
69	71.0	54.6	81.8
39	69.9	56.5	84.7





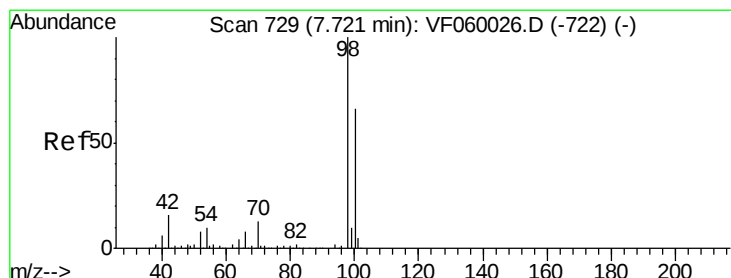
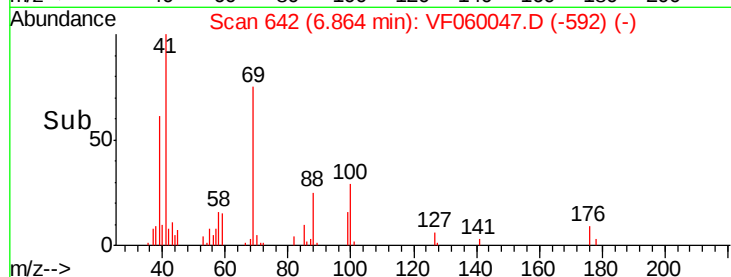
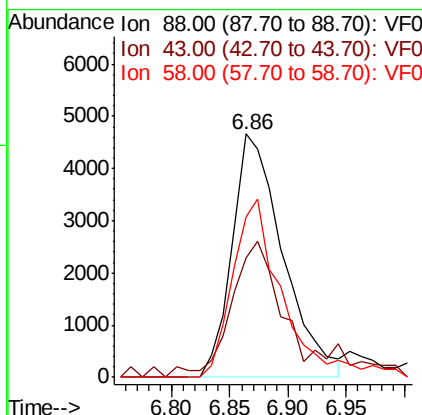
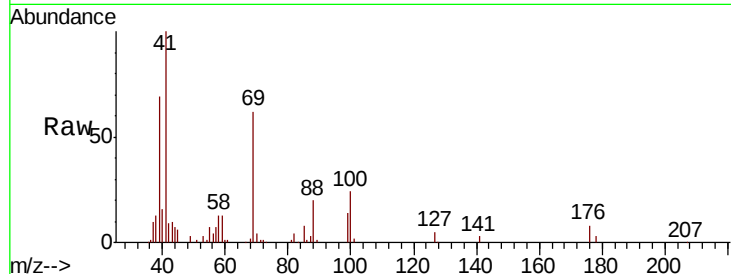
#49
1,4-Dioxane
Concen: 939.17 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.2	46.5	69.7
58	65.7	54.8	82.2

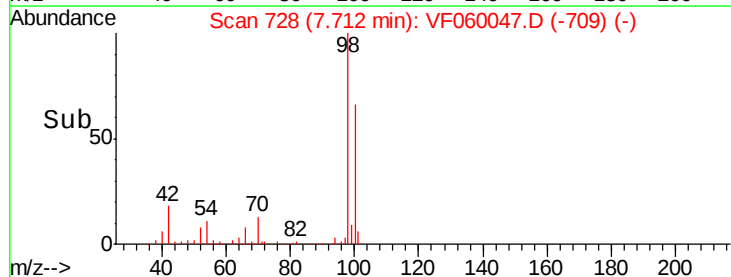
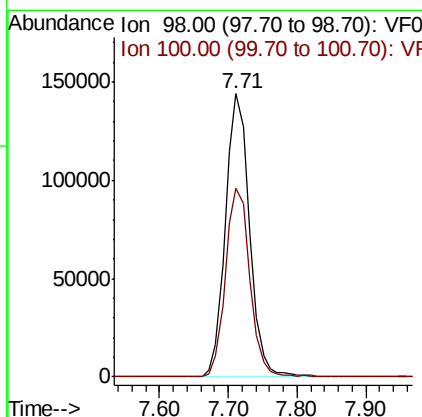
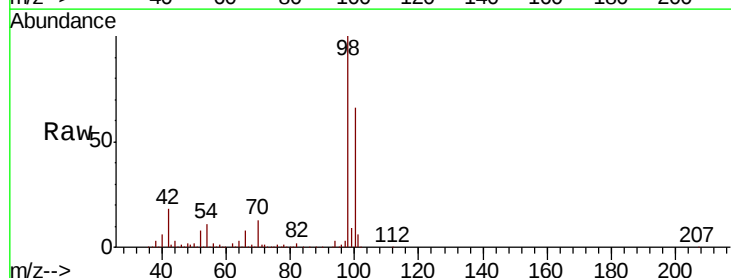
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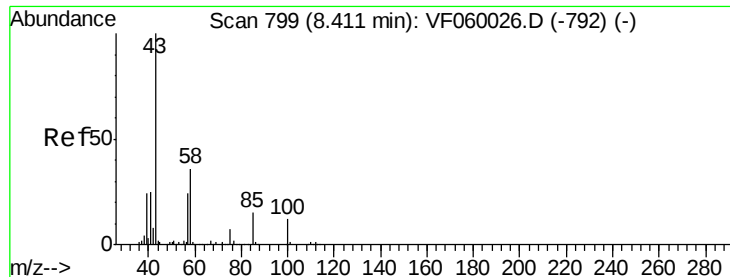
MMDadoda
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#50
Toluene-d8
Concen: 46.81 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 249.54 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 510237

Ion Ratio Lower Upper

43 100

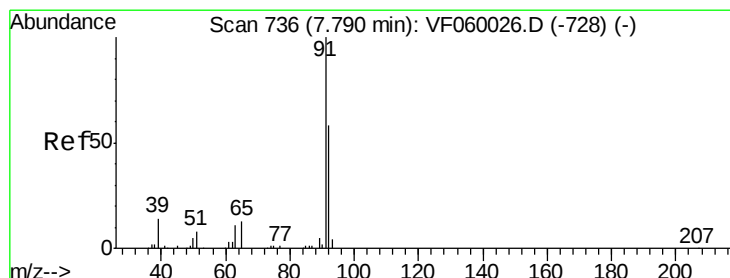
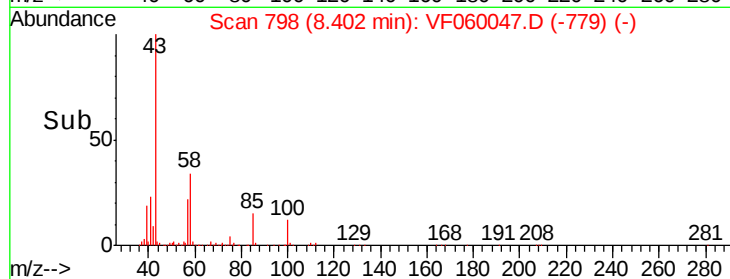
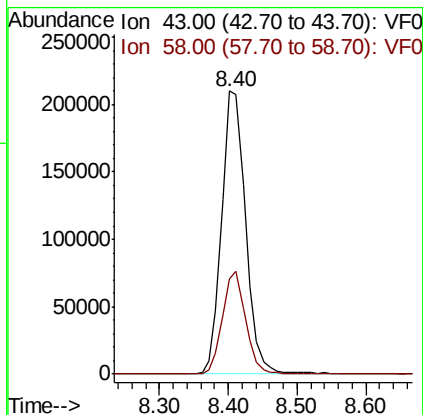
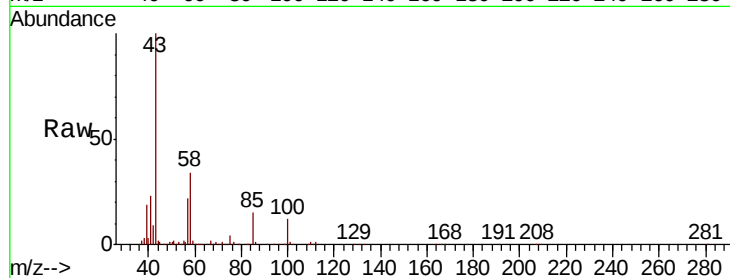
58 33.7 28.6 42.8

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#52

Toluene

Concen: 51.34 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060047.D

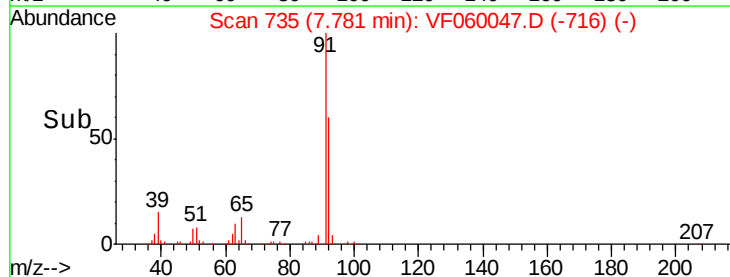
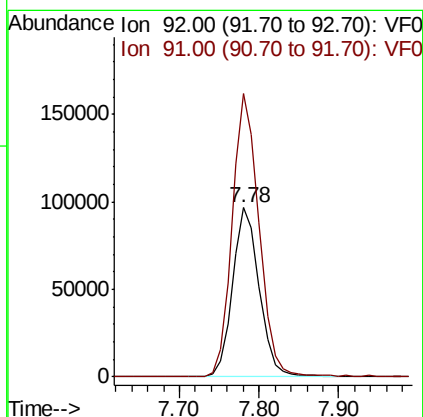
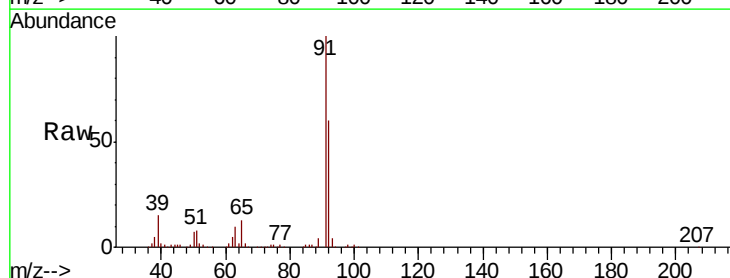
Acq: 23 Aug 2018 12:09

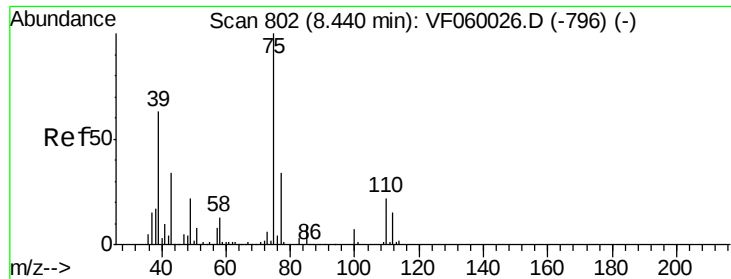
Tgt Ion: 92 Resp: 226352

Ion Ratio Lower Upper

92 100

91 167.1 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 46.33 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 154341

Ion Ratio Lower Upper

75 100

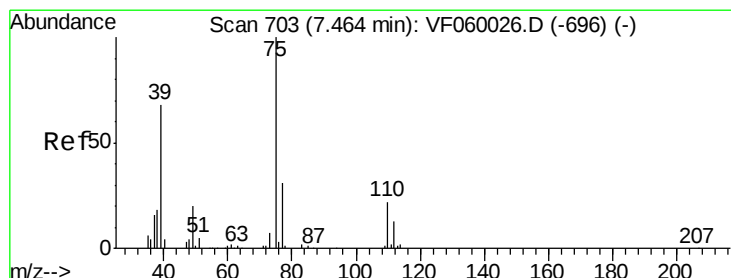
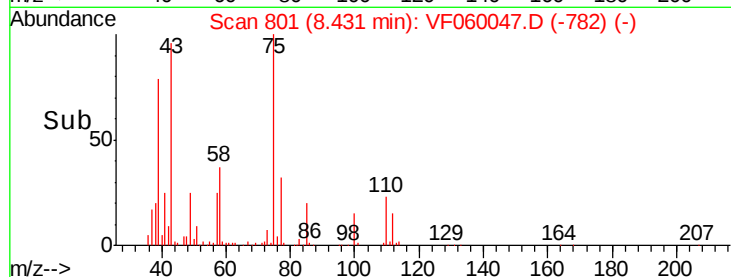
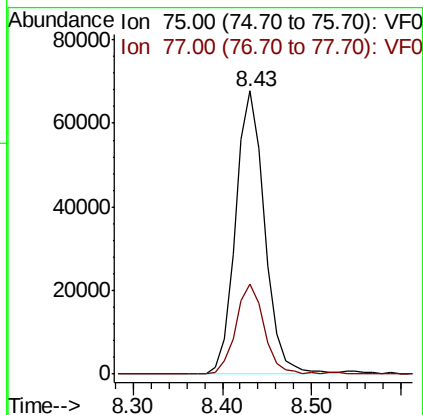
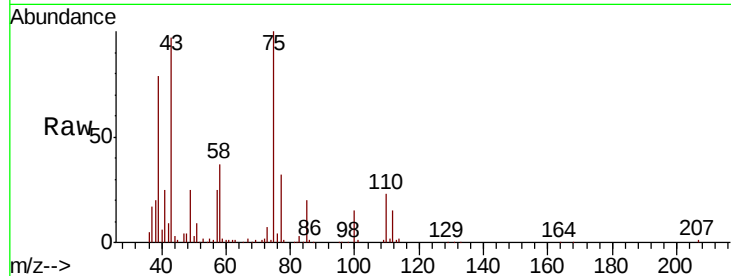
77 31.8 27.4 41.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 47.75 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

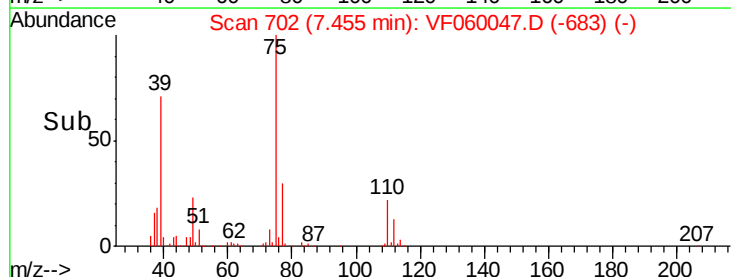
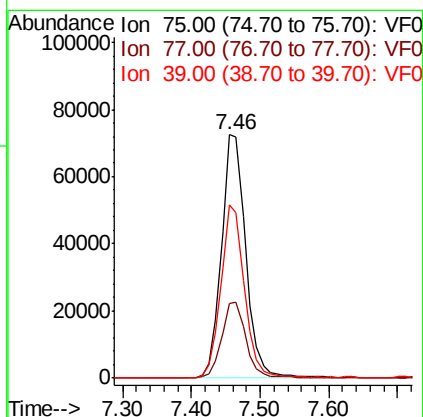
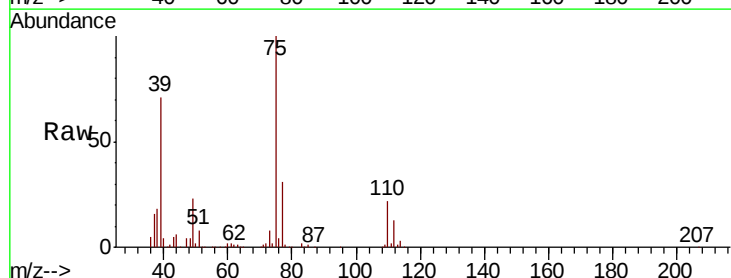
Tgt Ion: 75 Resp: 177540

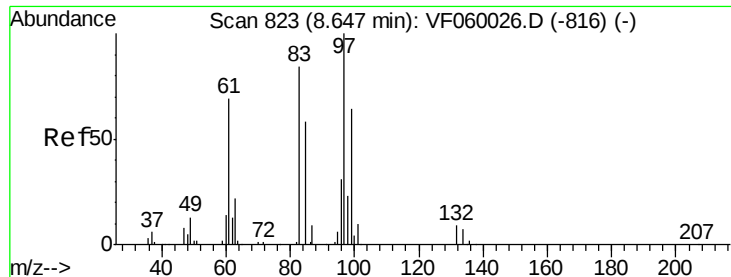
Ion Ratio Lower Upper

75 100

77 30.6 24.6 37.0

39 71.2 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 50.55 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

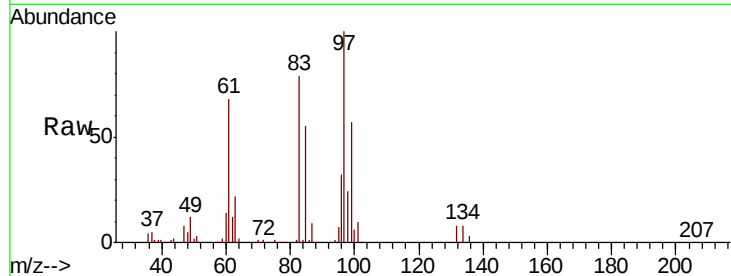
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	93727
Ion	Ratio	Lower	Upper
97	100		
83	79.5	67.4	101.2
85	54.9	46.2	69.2
99	56.8	51.1	76.7

Manual Integrations
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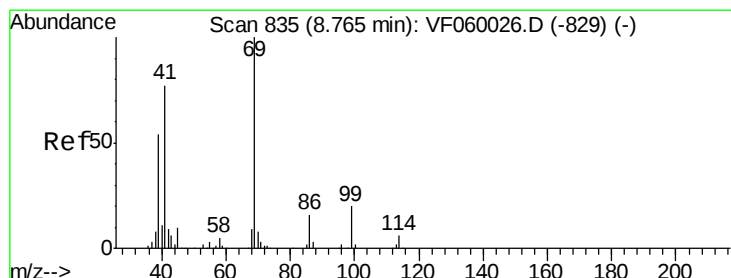
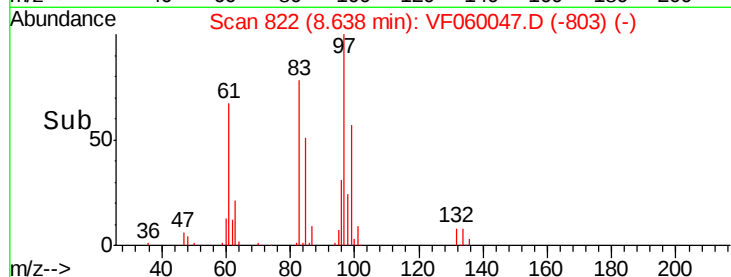
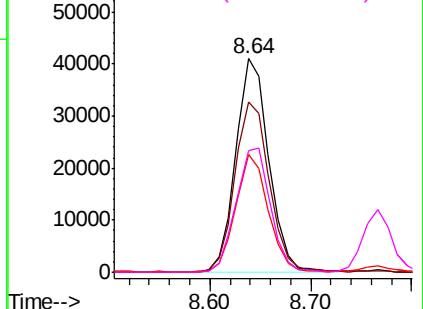


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 50.93 ug/l

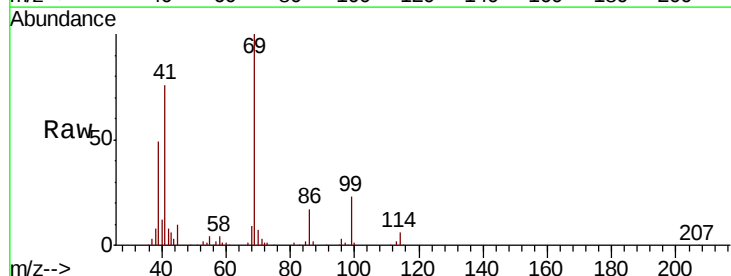
RT: 8.77 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

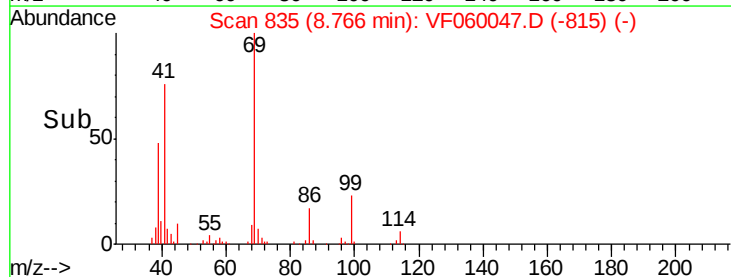
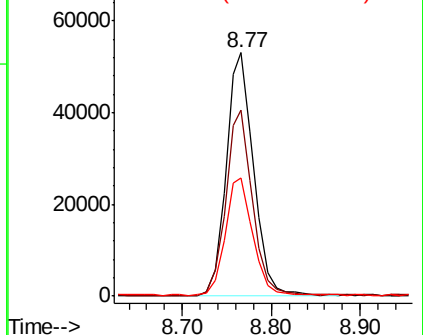
Tgt Ion:	69	Resp:	114294
Ion	Ratio	Lower	Upper
69	100		
41	76.2	61.6	92.4
39	48.8	43.9	65.9

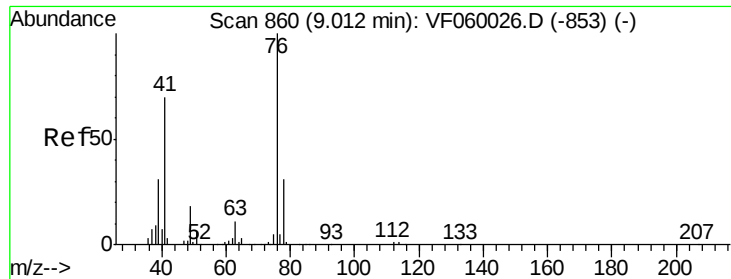


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.94 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 156216

Ion Ratio Lower Upper

76 100

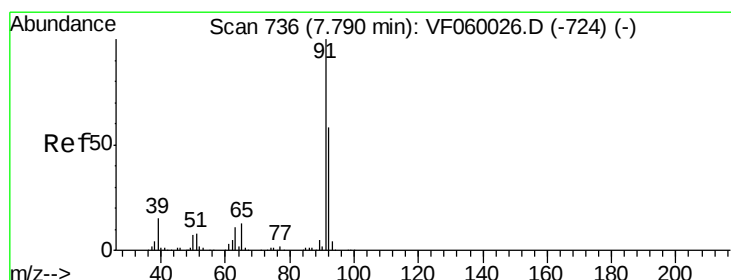
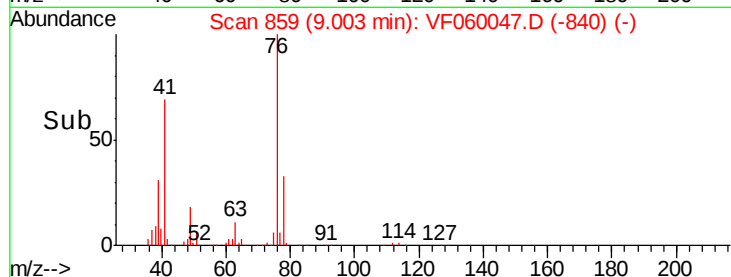
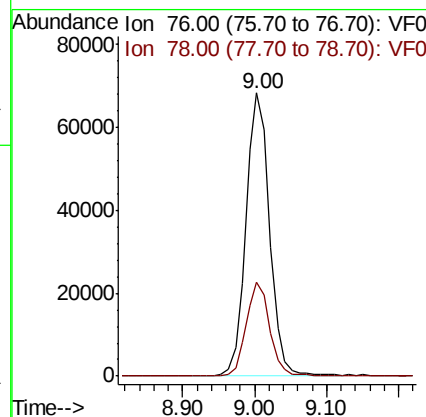
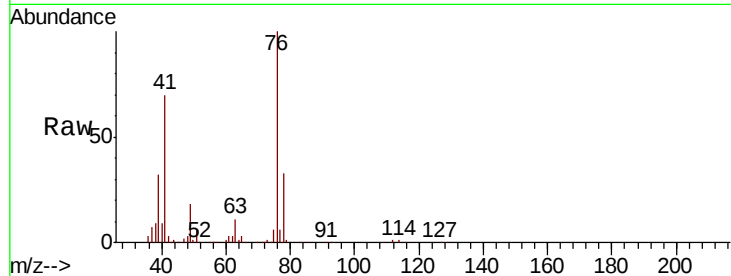
78 33.0 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 221.98 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060047.D

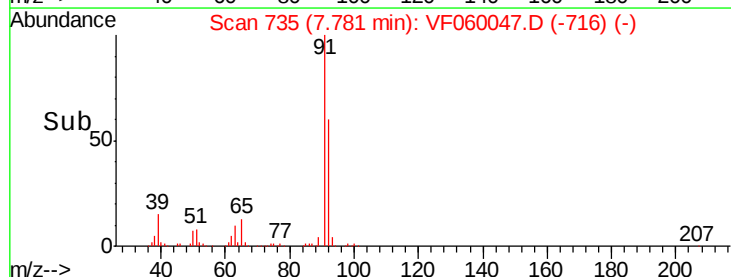
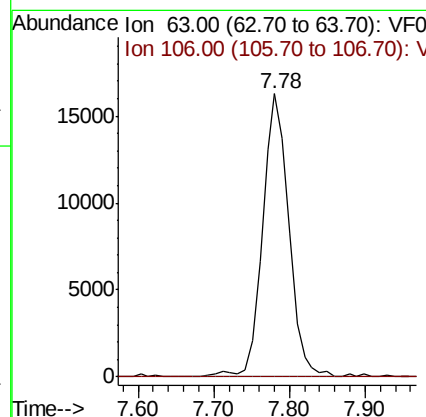
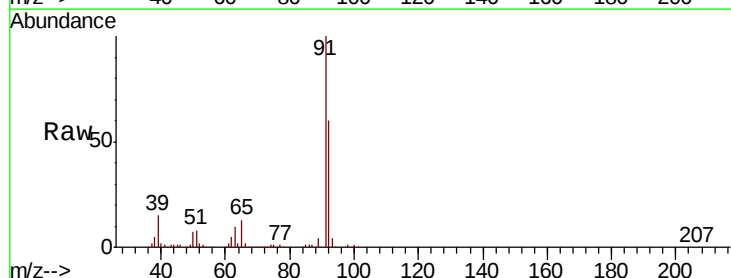
Acq: 23 Aug 2018 12:09

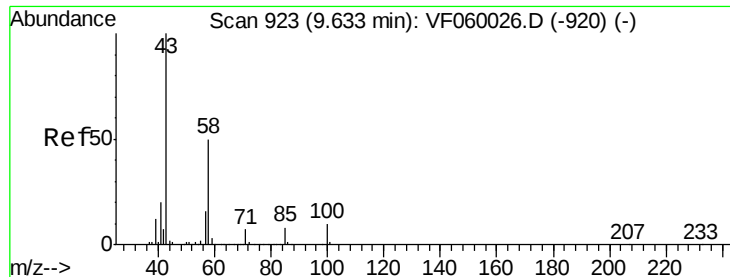
Tgt Ion: 63 Resp: 39543

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





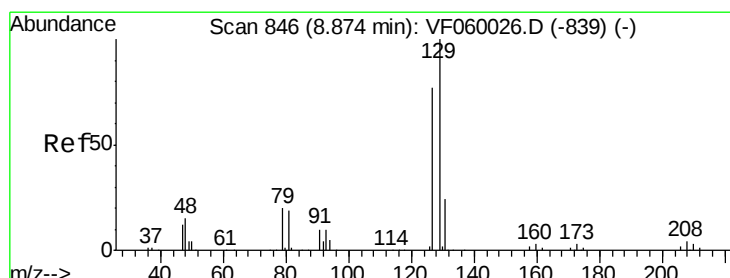
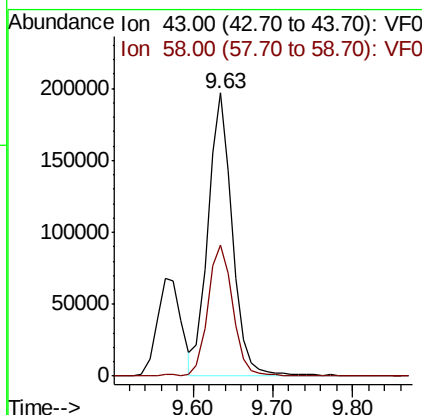
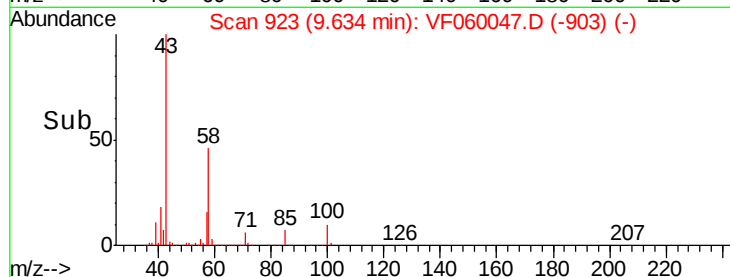
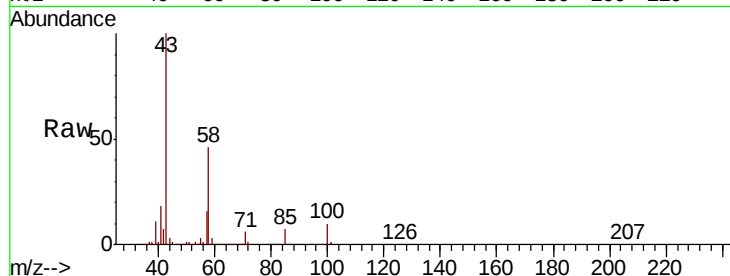
#59
2-Hexanone
Concen: 251.64 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 416437
Ion Ratio Lower Upper
43 100
58 46.5 23.4 70.2

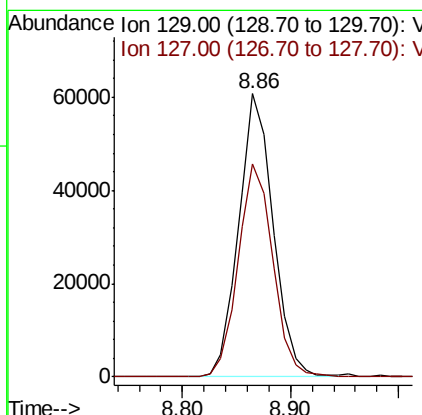
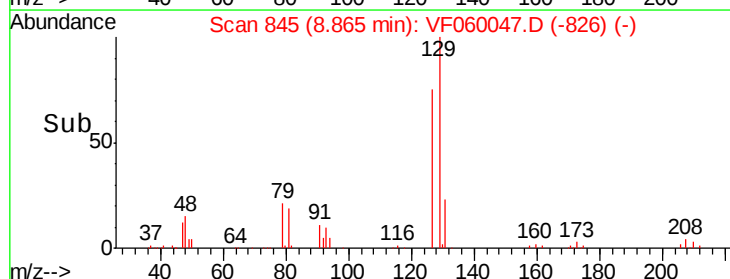
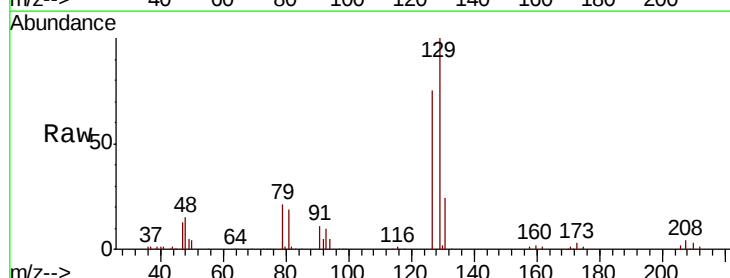
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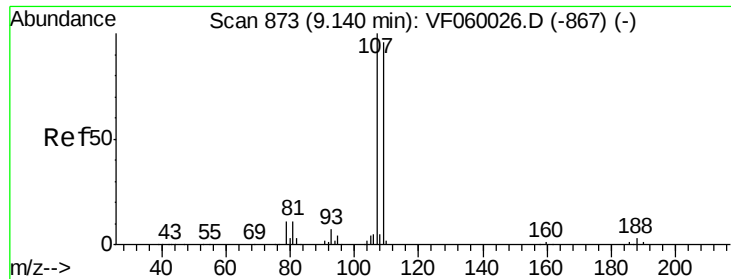
MMDadoda
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#60
Dibromochloromethane
Concen: 49.12 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion: 129 Resp: 134436
Ion Ratio Lower Upper
129 100
127 75.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.88 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 106439

Ion Ratio Lower Upper

107 100

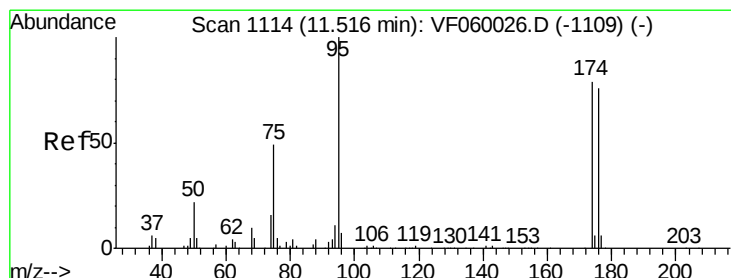
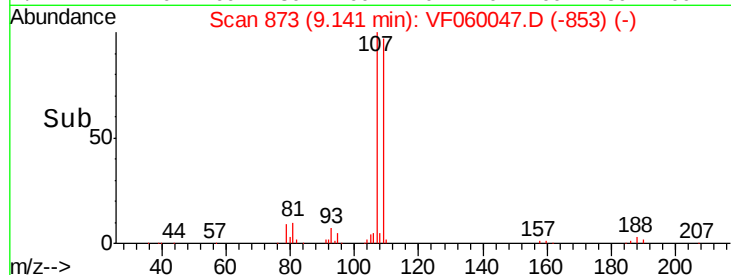
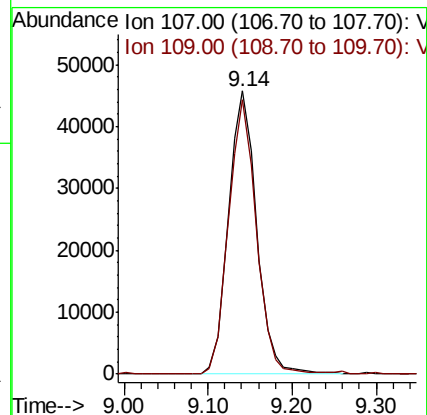
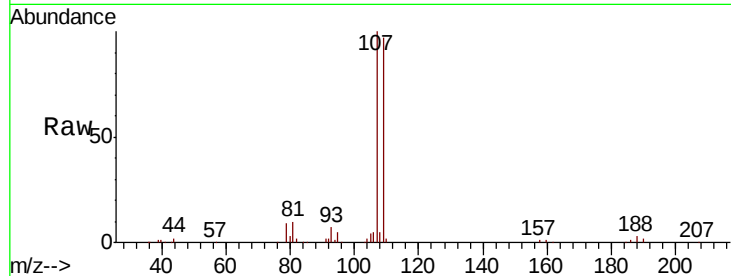
109 96.8 76.5 114.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 46.65 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

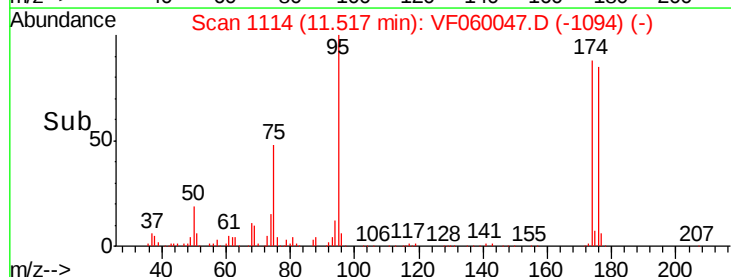
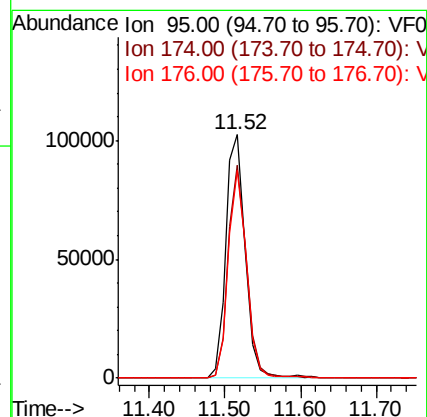
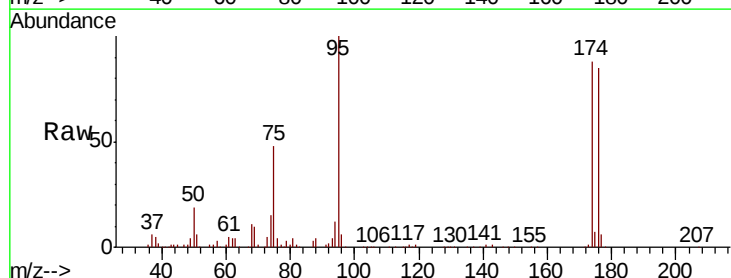
Tgt Ion: 95 Resp: 184230

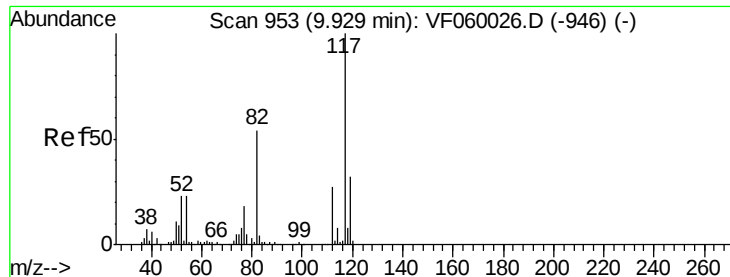
Ion Ratio Lower Upper

95 100

174 87.6 0.0 158.4

176 85.2 0.0 153.0





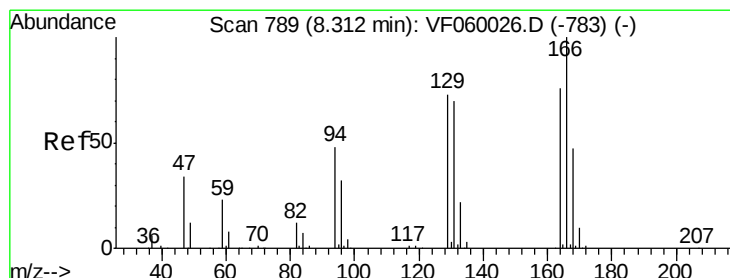
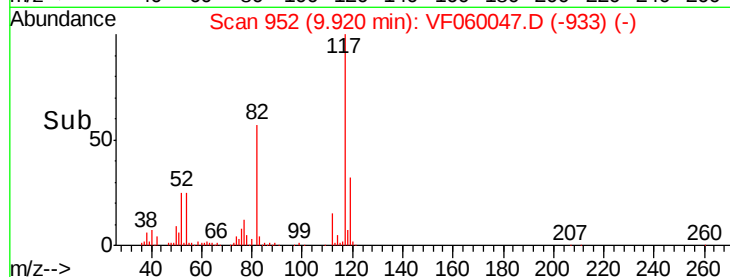
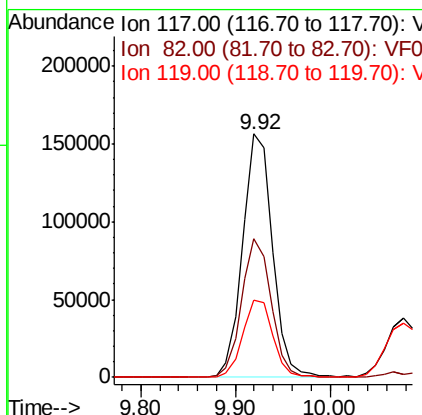
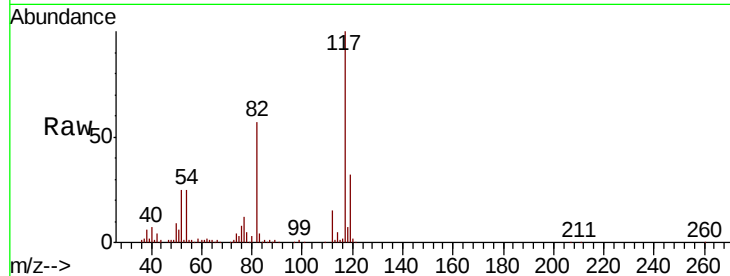
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	343546		
82	56.8	43.6	65.4	
119	31.9	25.6	38.4	

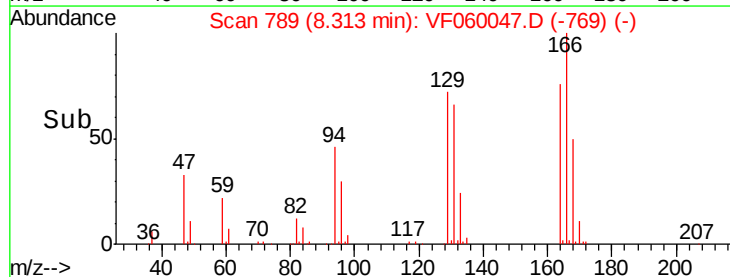
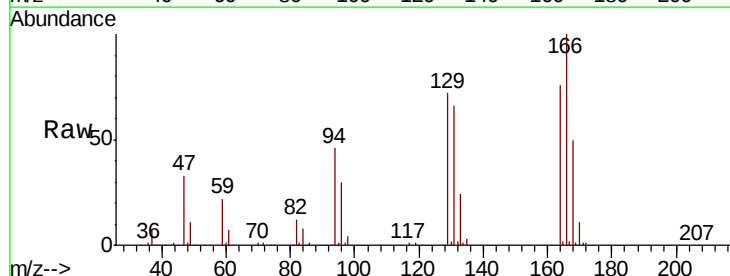
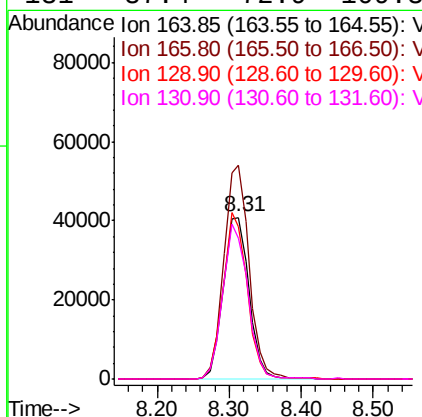
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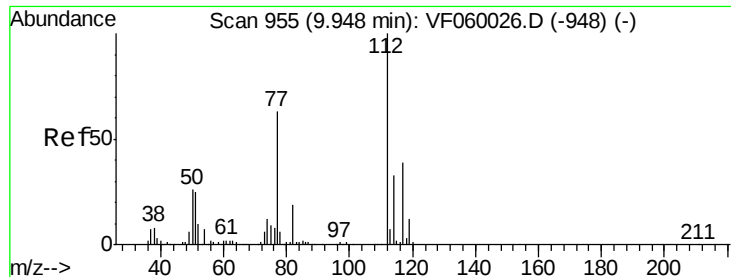
MMDadoda
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#64
Tetrachloroethene
Concen: 43.79 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	101345		
166	132.1	104.7	157.1	
129	94.6	77.0	115.4	
131	87.4	72.9	109.3	





#65

Chlorobenzene

Concen: 46.24 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 299983

Ion Ratio Lower Upper

112 100

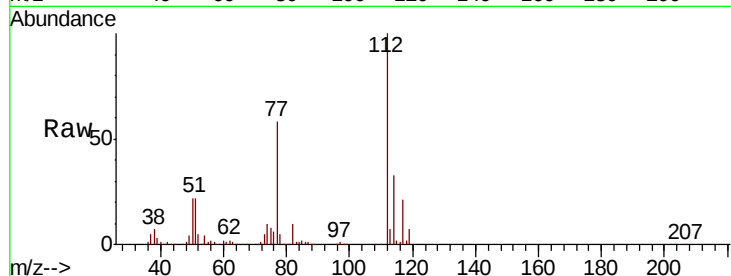
114 33.5 26.2 39.2

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

150000

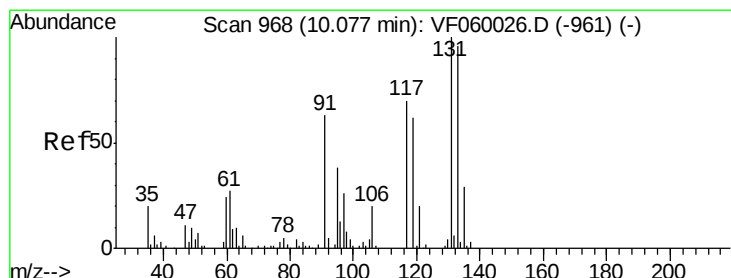
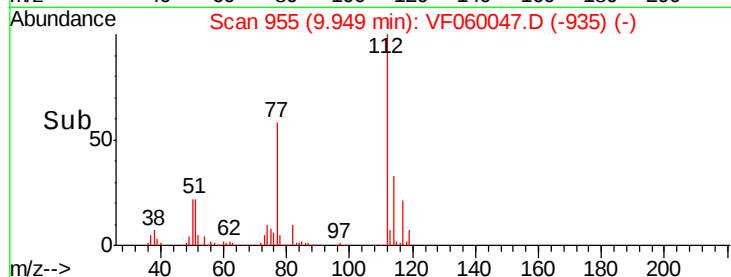
100000

50000

0

9.80 9.90 10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.47 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

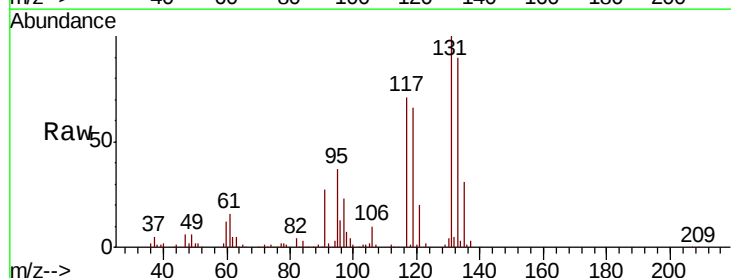
Tgt Ion:131 Resp: 121715

Ion Ratio Lower Upper

131 100

133 90.2 48.2 144.6

119 65.9 31.4 94.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

60000

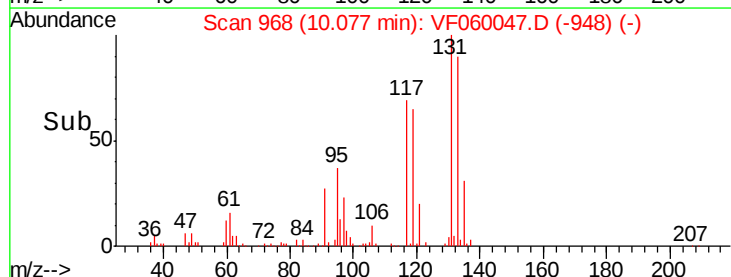
40000

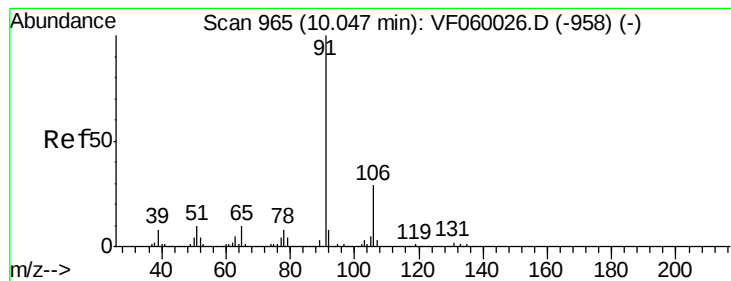
20000

0

10.00 10.10 10.20

Time-->





#67

Ethyl Benzene

Concen: 47.93 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 536543

Ion Ratio Lower Upper

91 100

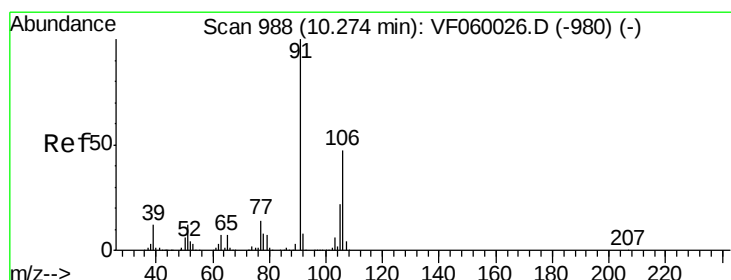
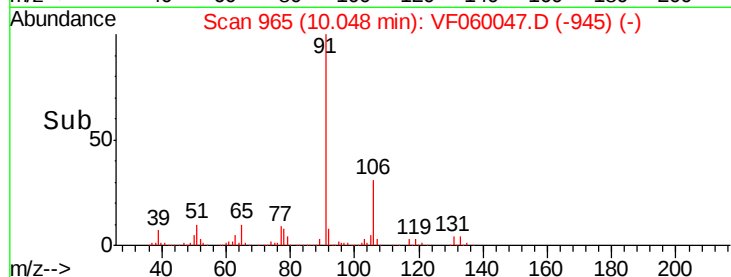
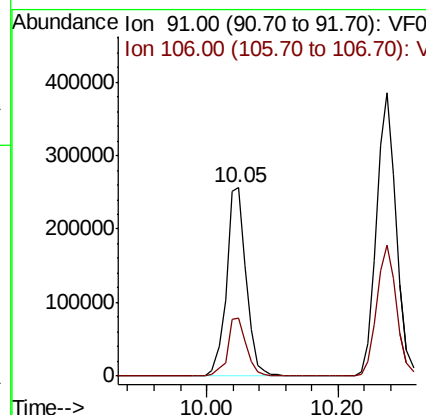
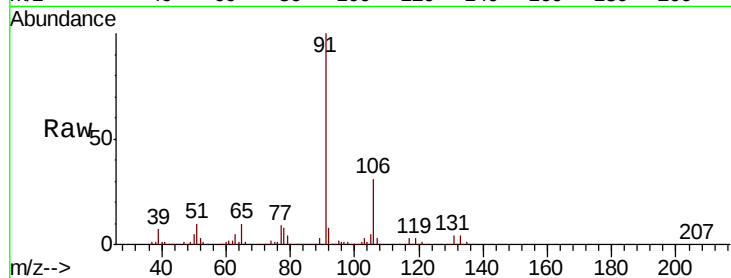
106 30.8 23.6 35.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 103.80 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF060047.D

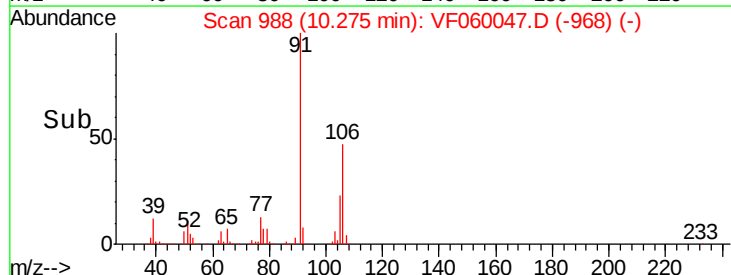
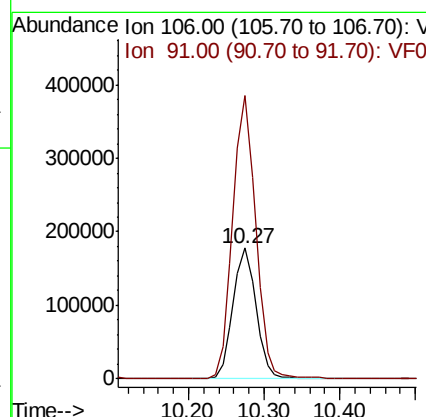
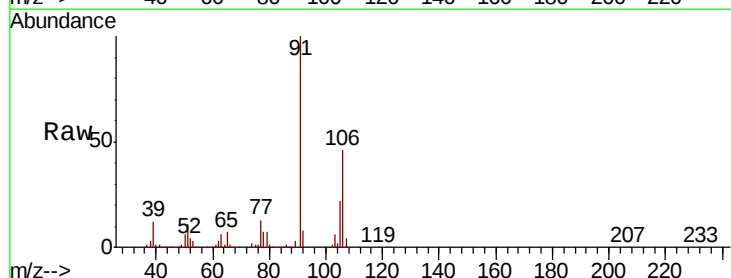
Acq: 23 Aug 2018 12:09

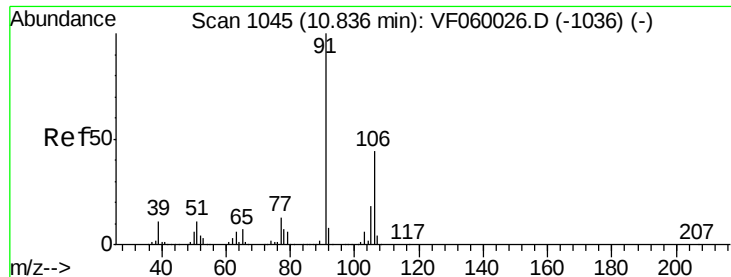
Tgt Ion: 106 Resp: 377785

Ion Ratio Lower Upper

106 100

91 216.1 171.8 257.8





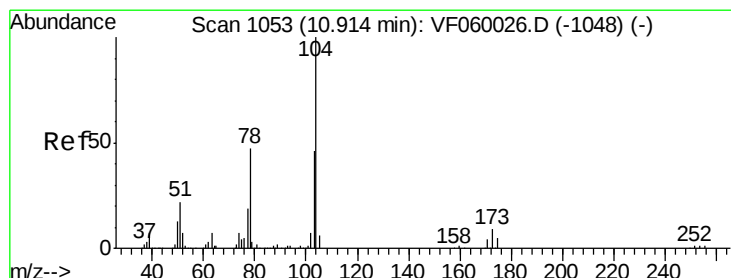
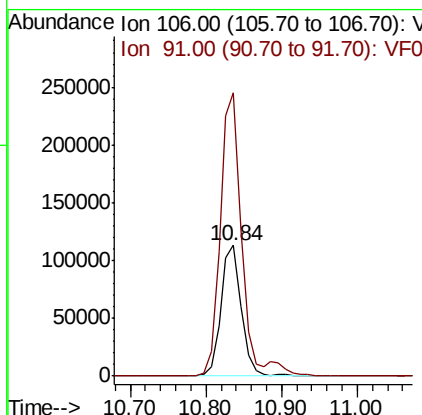
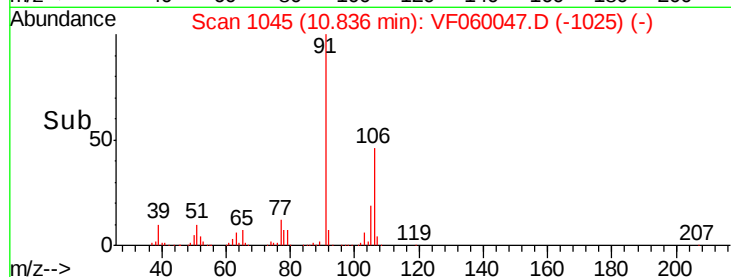
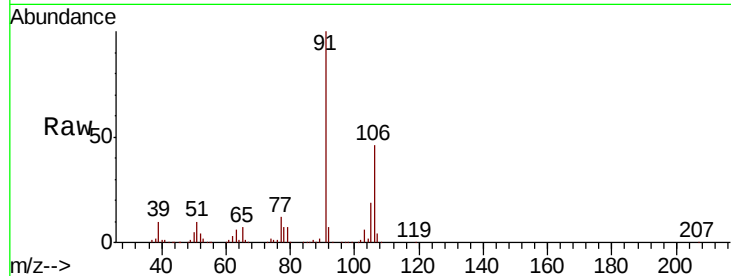
#69
o-Xylene
Concen: 48.35 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		212048		
91	216.8	112.5	337.5		

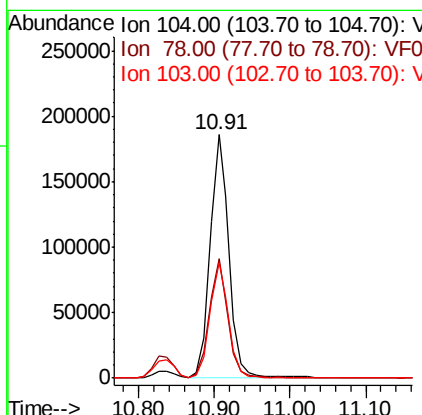
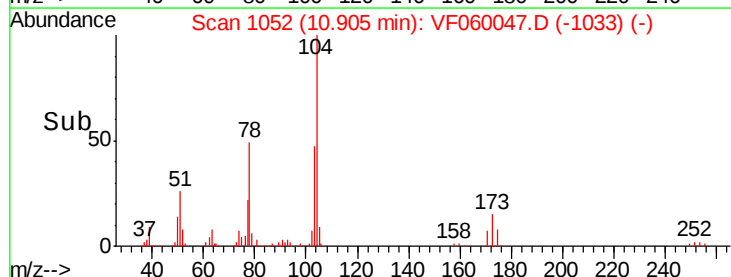
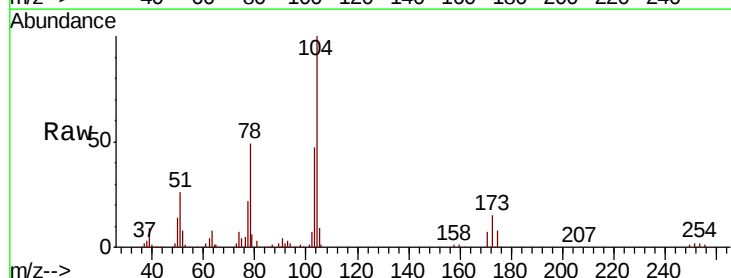
Manual Integrations
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#70
Styrene
Concen: 48.13 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		323857		
78	49.2	38.0	57.0		
103	47.3	37.6	56.4		





#71

Bromoform

Concen: 50.26 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 86277

Ion Ratio Lower Upper

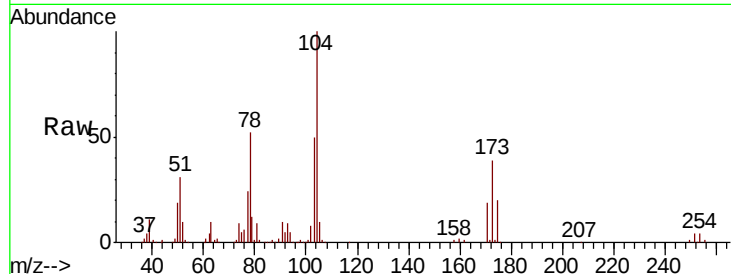
173 100

175 51.3 24.7 74.1

254 0.0 0.0 0.0

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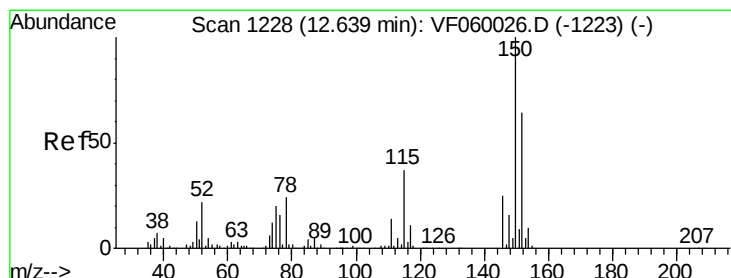
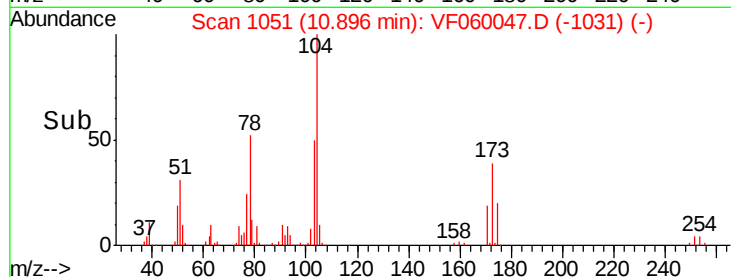
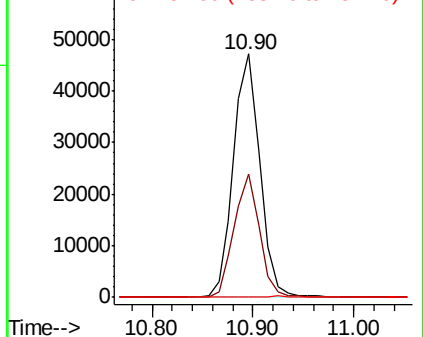


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

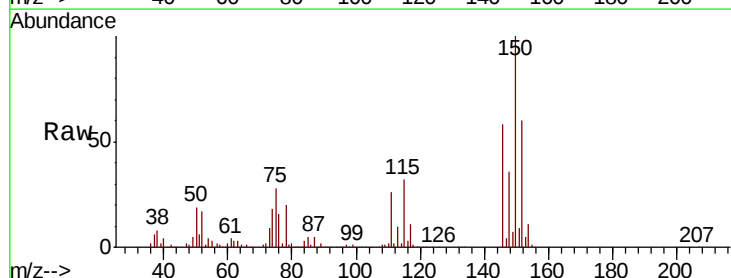
Tgt Ion:152 Resp: 205316

Ion Ratio Lower Upper

152 100

115 54.4 28.6 85.9

150 167.3 0.0 312.0

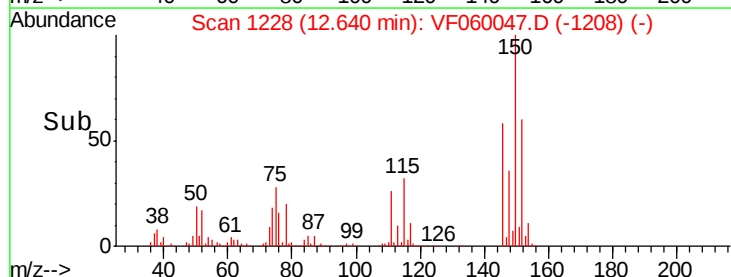
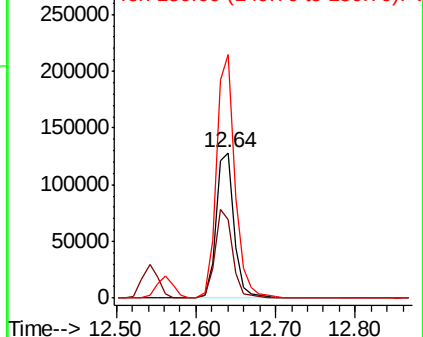


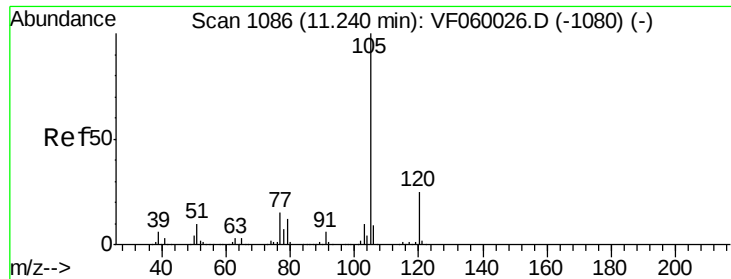
Abundance

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: 49.61 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 613100

Ion Ratio Lower Upper

105 100

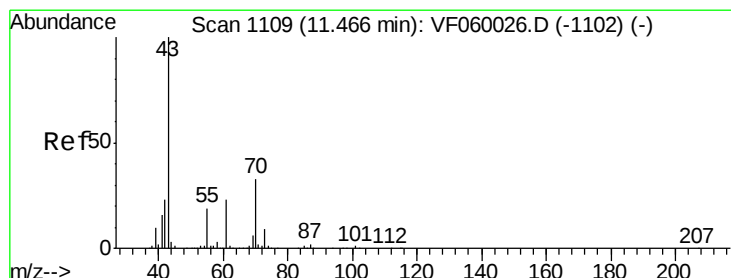
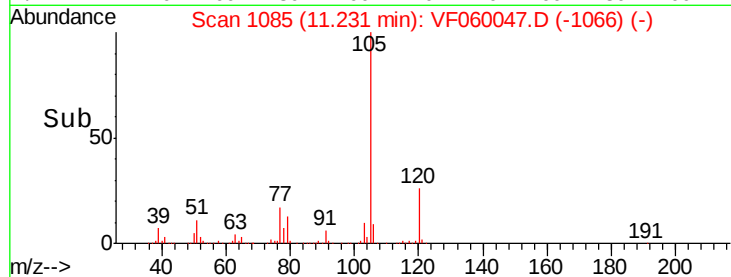
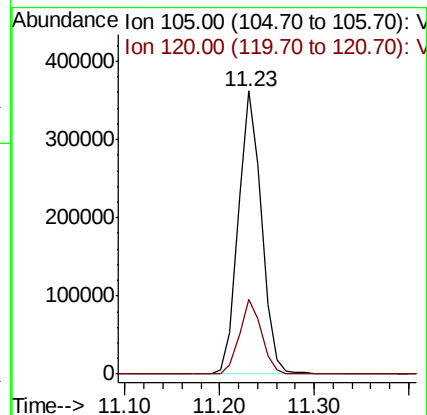
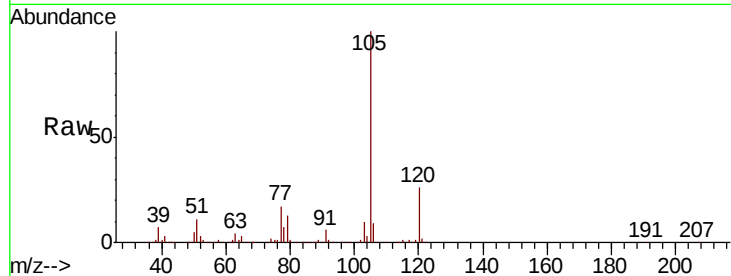
120 26.3 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.28 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Tgt Ion: 43 Resp: 200823

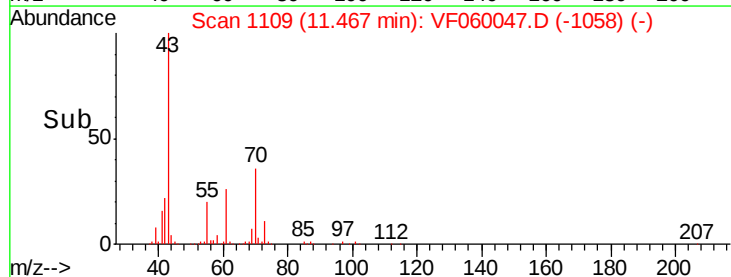
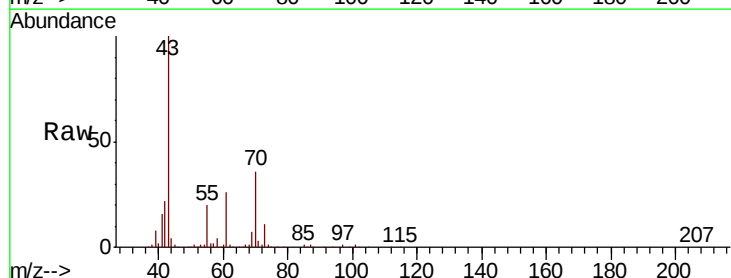
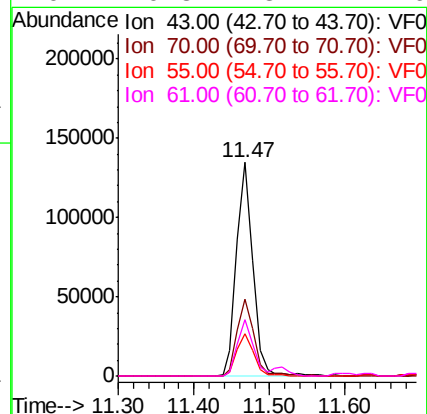
Ion Ratio Lower Upper

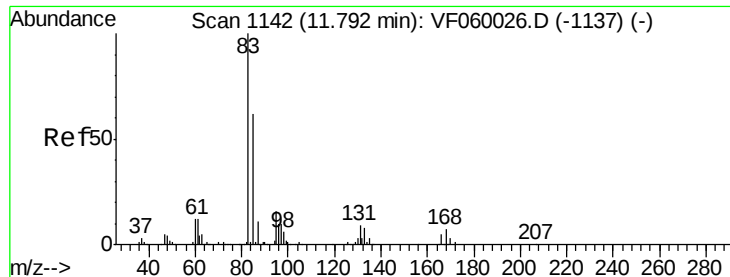
43 100

70 36.3 26.4 39.6

55 20.0 15.0 22.4

61 26.3 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.43 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

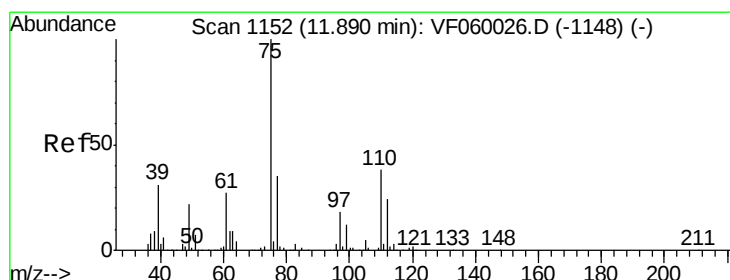
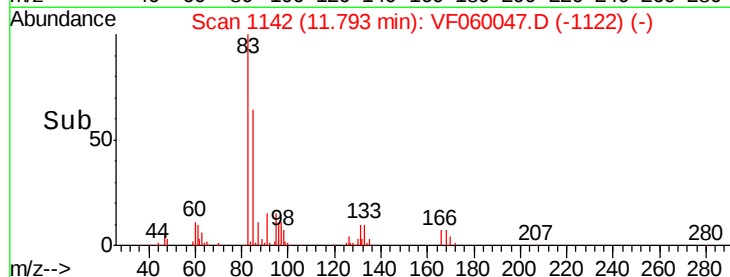
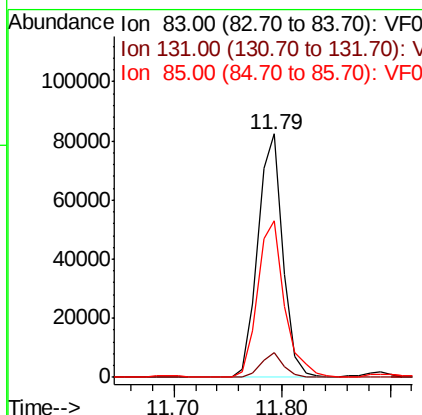
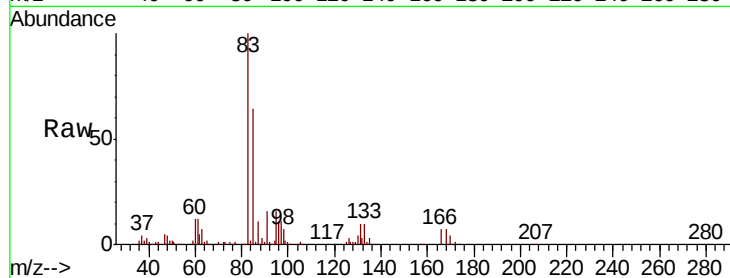
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	133417
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.5	13.7
85	64.2	31.3	93.9

Manual Integrations
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8/24/2018 4:08:29 PM



#76

1,2,3-Trichloropropane

Concen: 48.81 ug/l

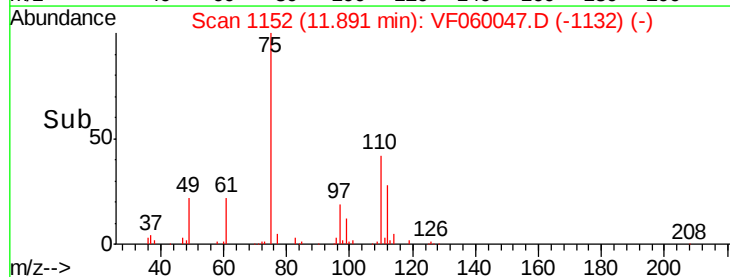
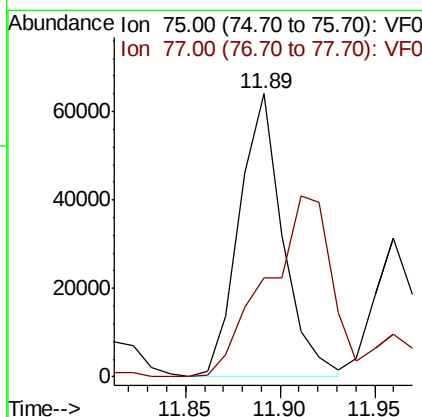
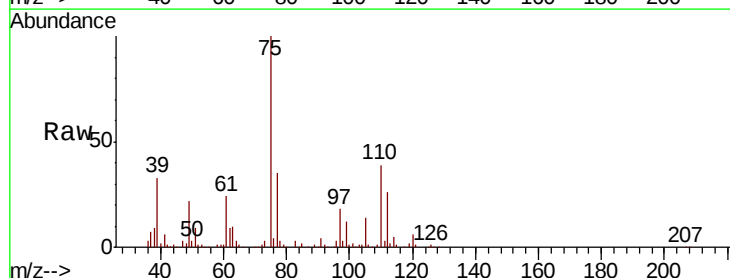
RT: 11.89 min Scan# 1152

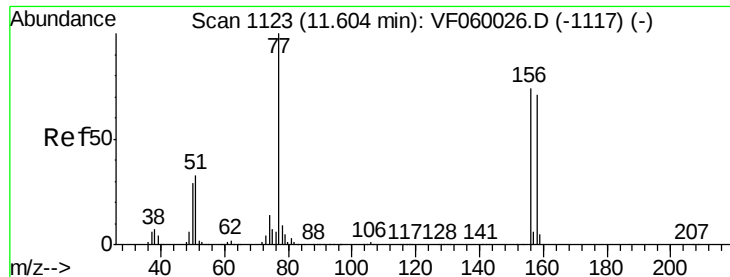
Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Tgt Ion:	75	Resp:	102170
Ion Ratio	Lower	Upper	
75	100		
77	35.0	17.3	52.0





#77

Bromobenzene

Concen: 47.61 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

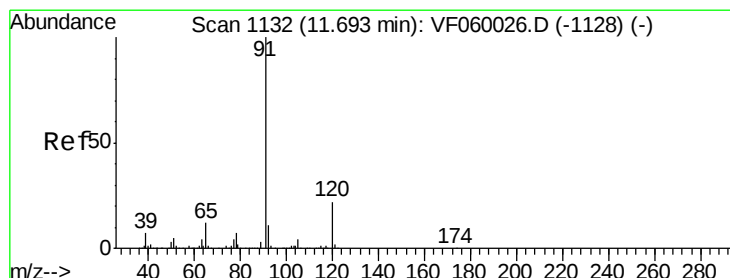
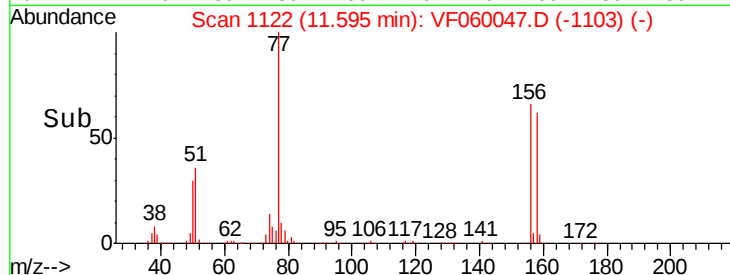
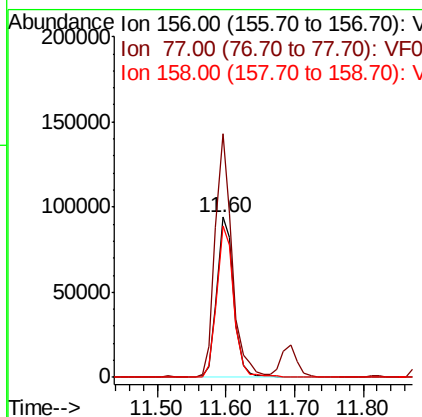
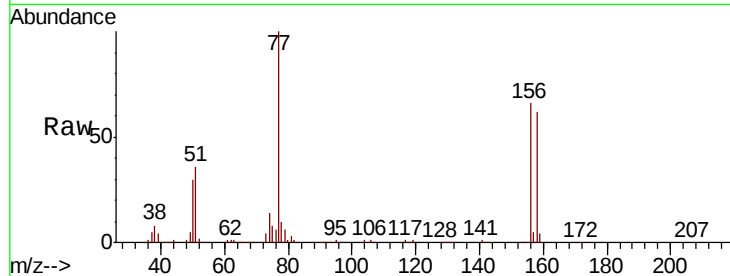
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	160004
Ion Ratio	Lower	Upper	
156	100		
77	152.1	68.0	204.0
158	94.6	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 48.21 ug/l

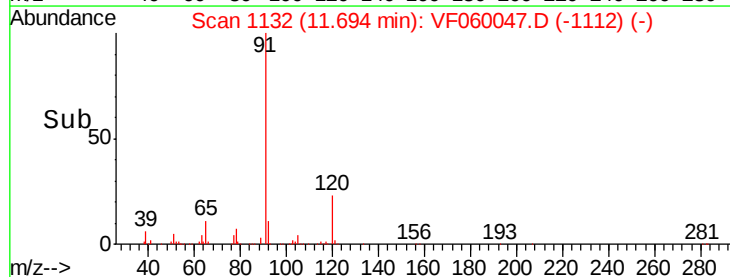
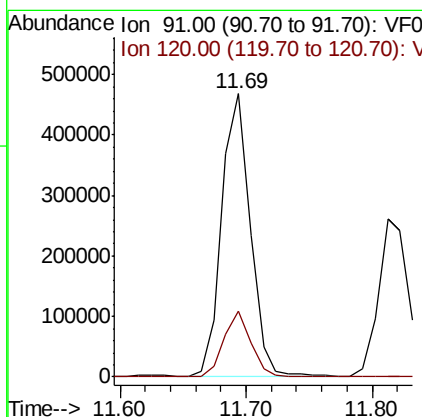
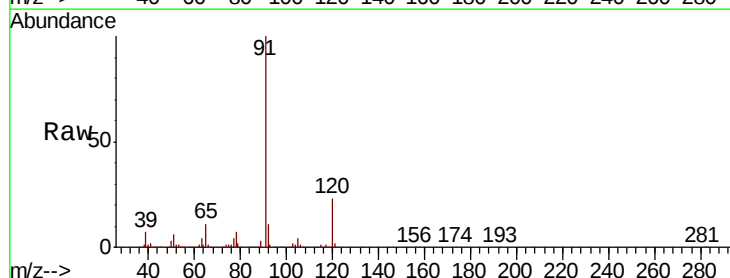
RT: 11.69 min Scan# 1132

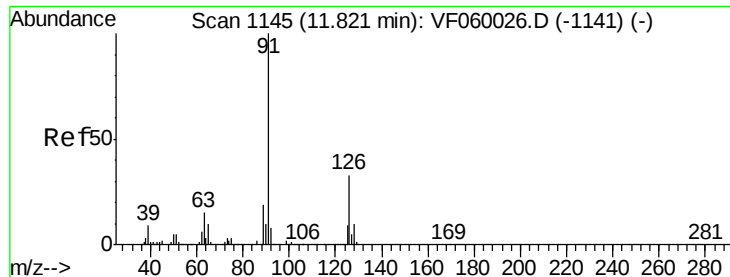
Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Tgt Ion:	91	Resp:	735321
Ion Ratio	Lower	Upper	
91	100		
120	23.4	10.9	32.7





#79

2-Chlorotoluene

Concen: 47.61 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 427075

Ion Ratio Lower Upper

91 100

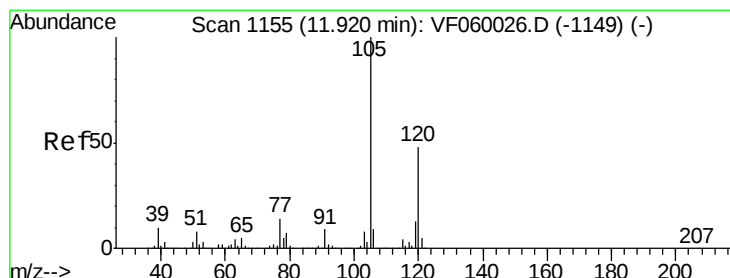
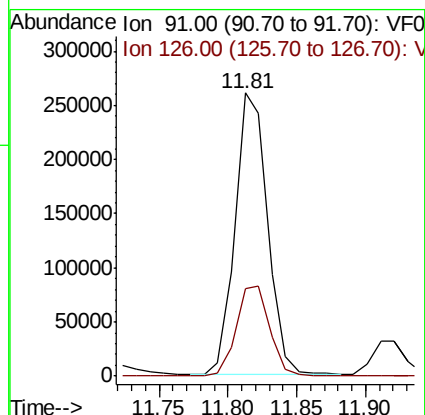
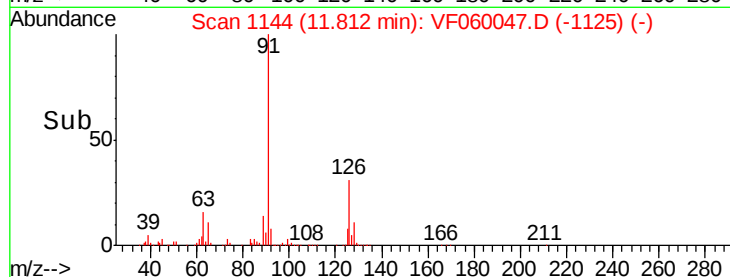
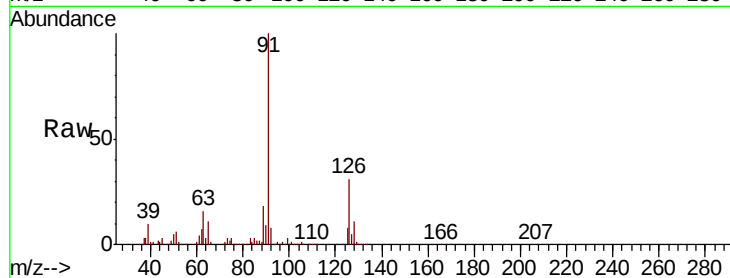
126 30.7 16.6 49.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 46.71 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF060047.D

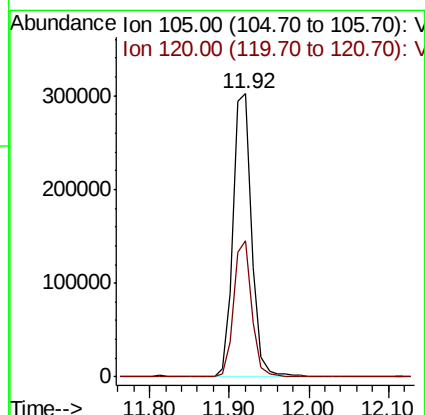
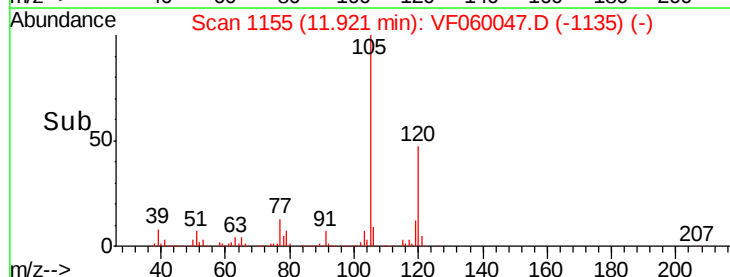
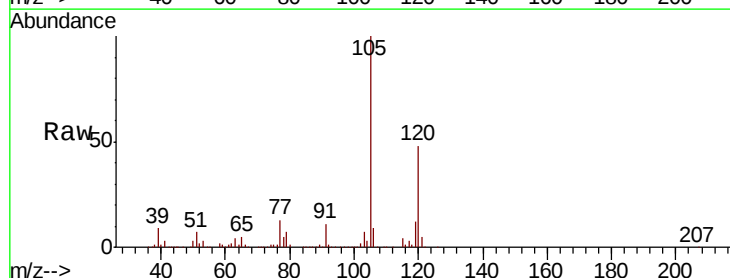
Acq: 23 Aug 2018 12:09

Tgt Ion: 105 Resp: 502930

Ion Ratio Lower Upper

105 100

120 48.0 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 50.01 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

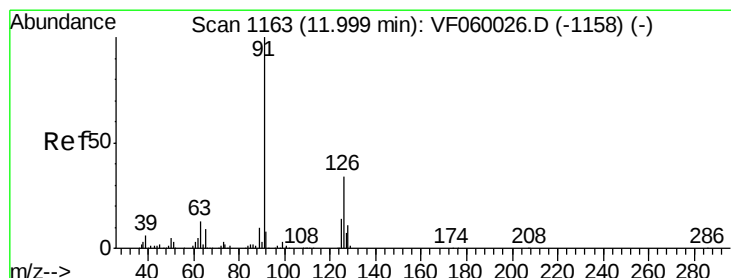
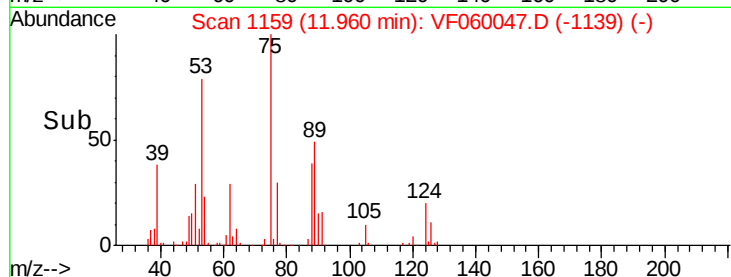
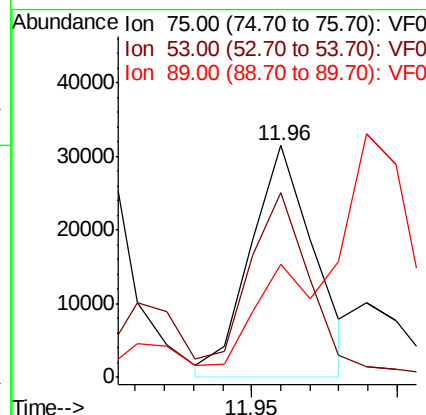
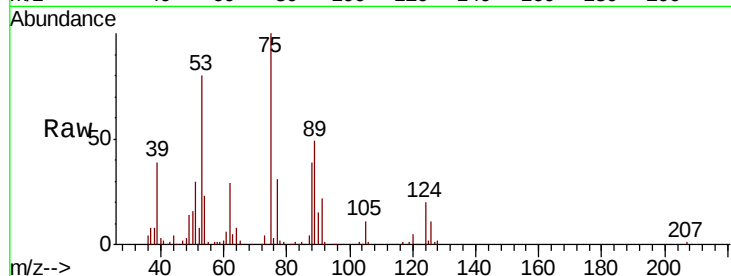
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	47891
Ion	Ratio	Lower	Upper
75	100		
53	79.8	66.2	99.4
89	48.7	42.8	64.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.46 ug/l

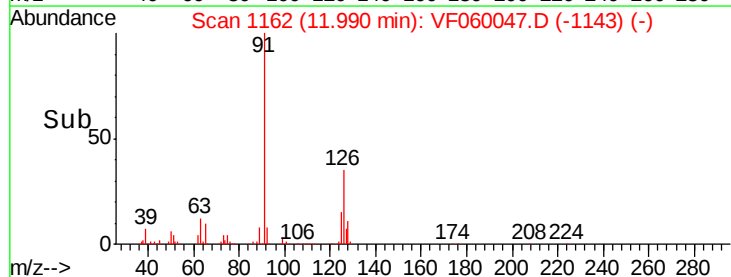
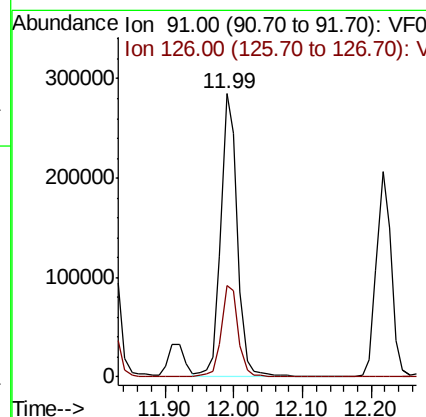
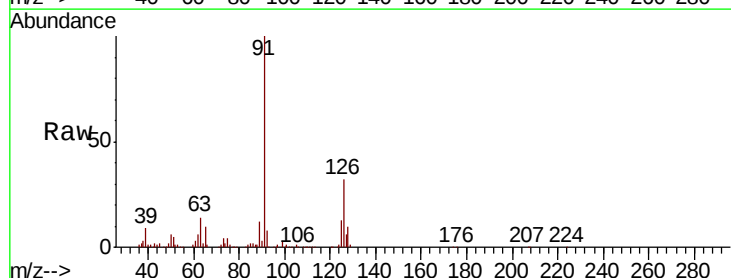
RT: 11.99 min Scan# 1162

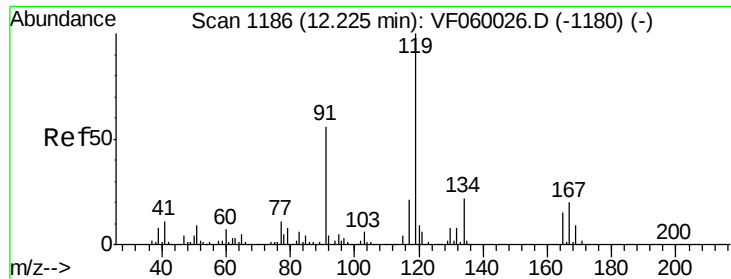
Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Tgt Ion:	91	Resp:	471884
Ion	Ratio	Lower	Upper
91	100		
126	32.2	17.0	50.9





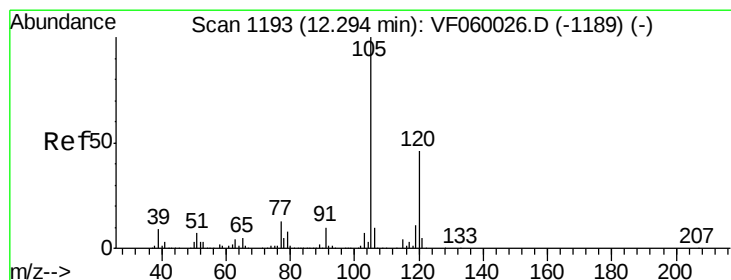
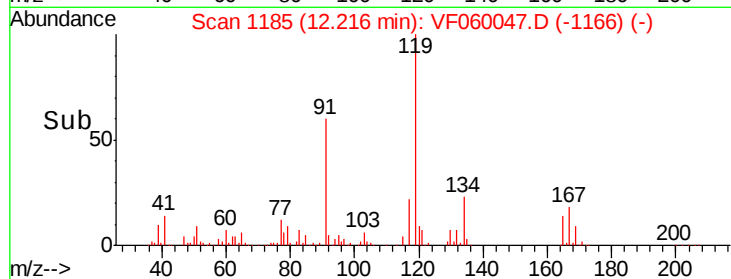
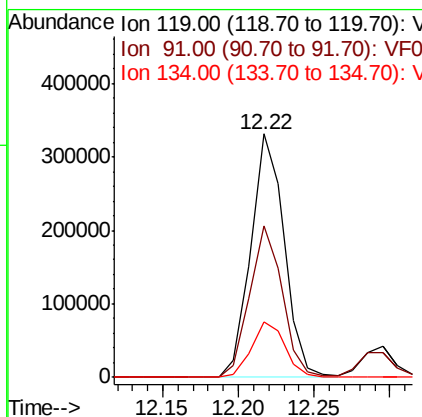
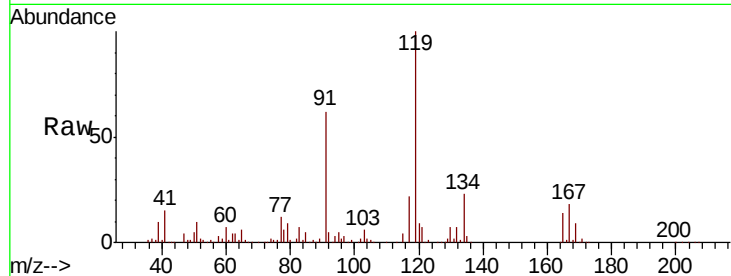
#83
 tert-Butylbenzene
 Concen: 48.85 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	512961		
91	62.3		28.1	84.3
134	22.8		11.1	33.3

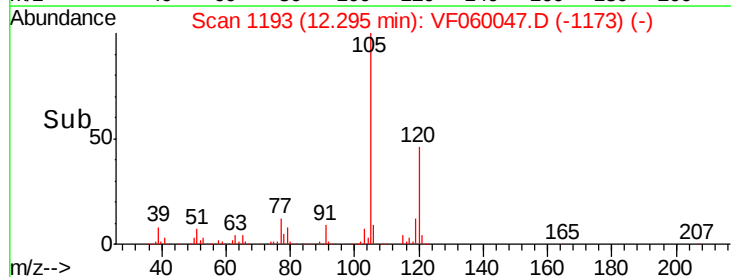
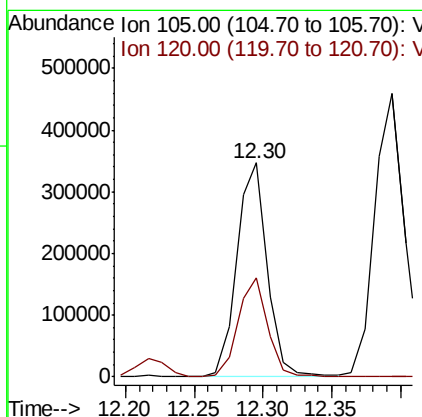
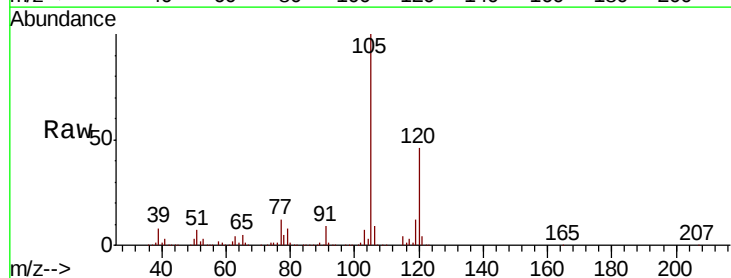
Manual Integrations
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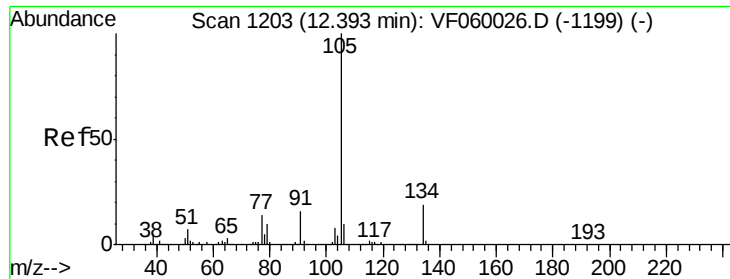
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.30 ug/l
 RT: 12.30 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	530025		
120	46.2		23.3	69.8





#85

sec-Butylbenzene

Concen: 47.55 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 695226

Ion Ratio Lower Upper

105 100

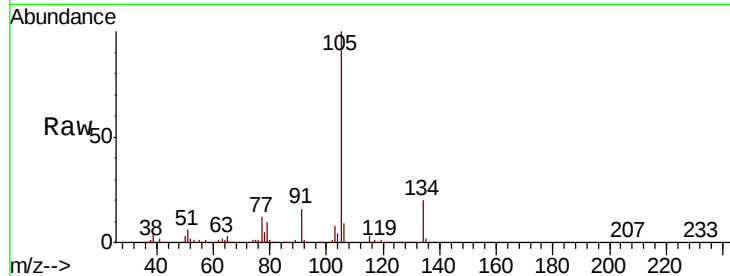
134 19.6 9.3 27.9

Manual Integrations

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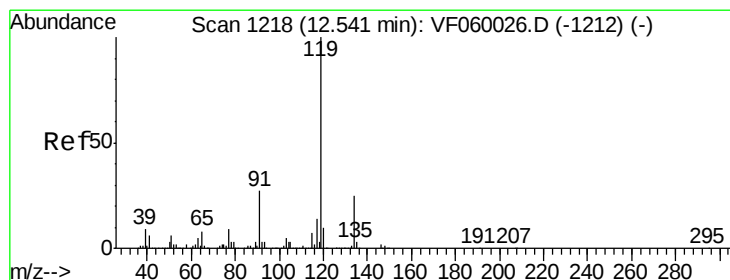
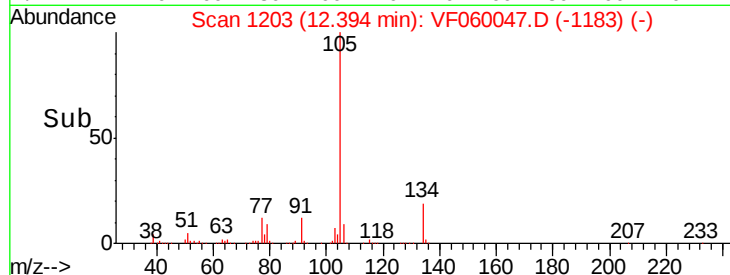
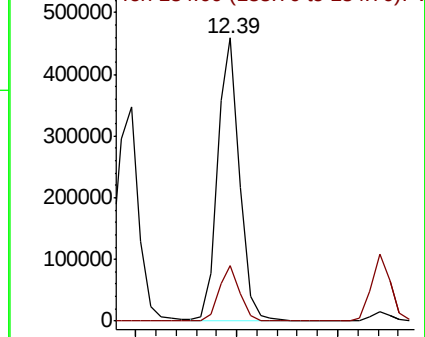
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.70 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

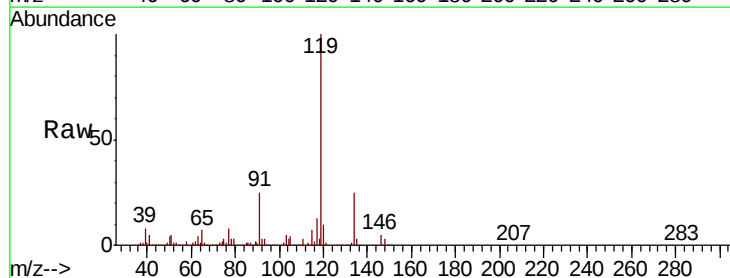
Tgt Ion:119 Resp: 590642

Ion Ratio Lower Upper

119 100

134 25.1 12.4 37.2

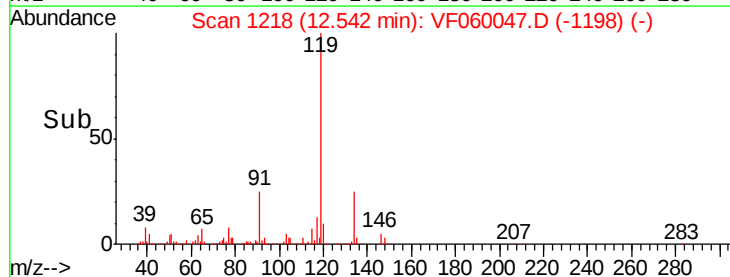
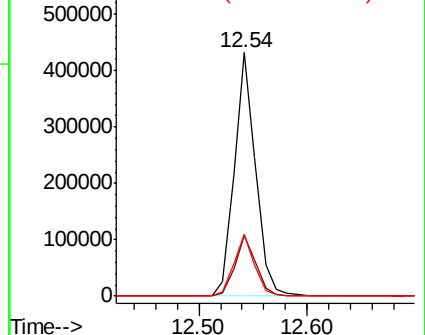
91 25.3 13.5 40.4

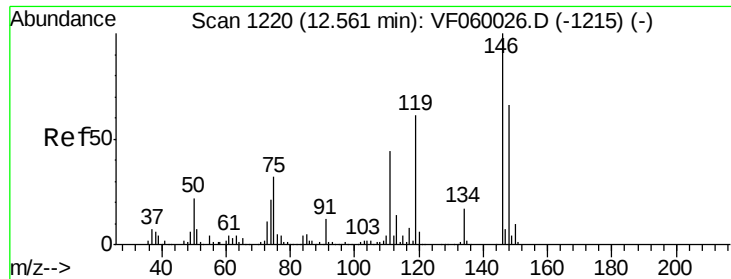


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





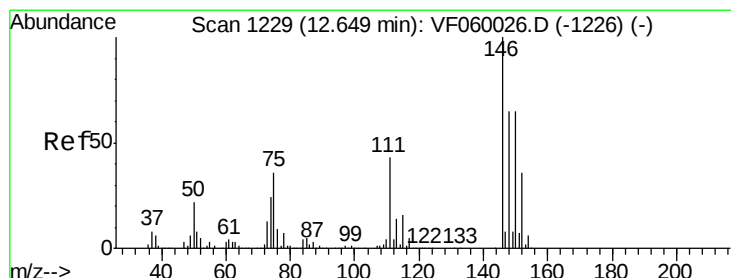
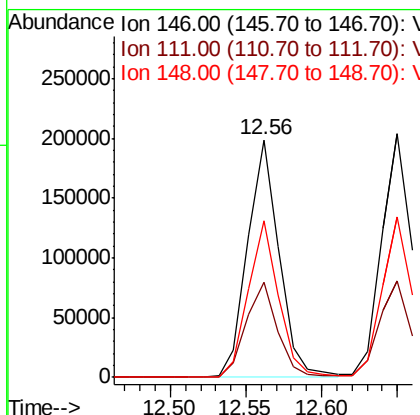
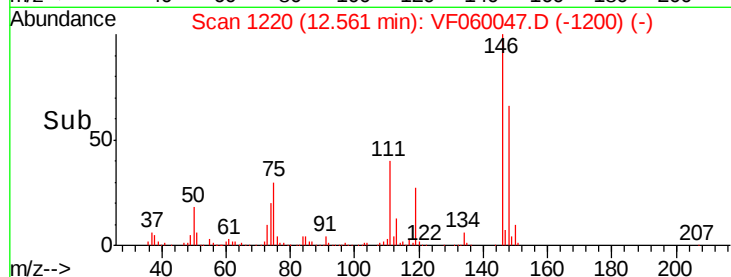
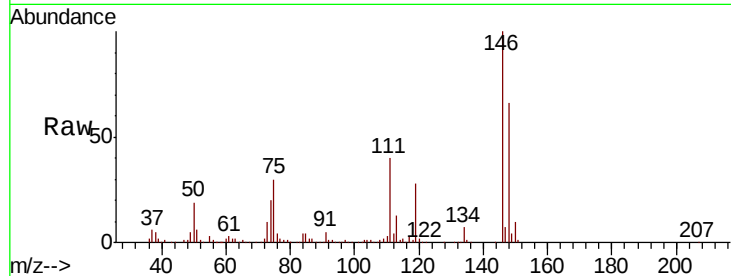
#87
 1,3-Dichlorobenzene
 Concen: 46.62 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	289709		
111	40.1	21.9	65.5	
148	66.1	32.9	98.7	

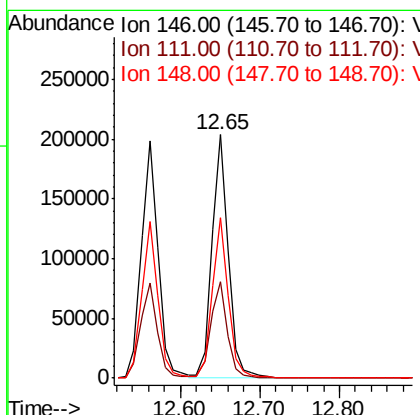
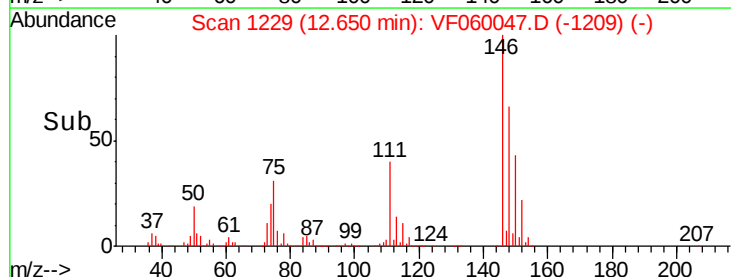
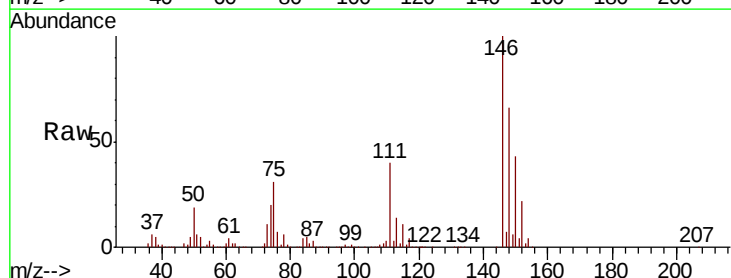
Manual Integrations
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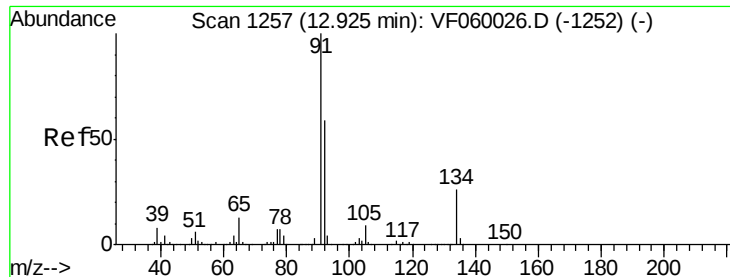
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#88
 1,4-Dichlorobenzene
 Concen: 47.77 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	295014		
111	39.5	21.6	64.8	
148	66.0	32.3	96.8	





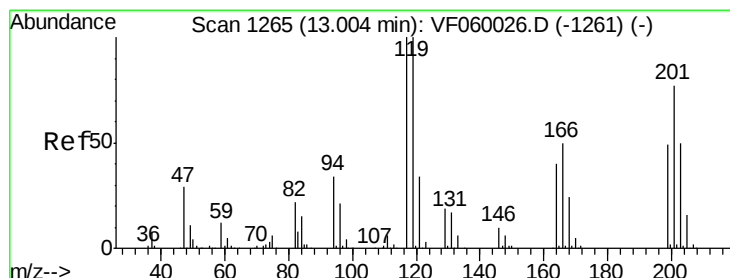
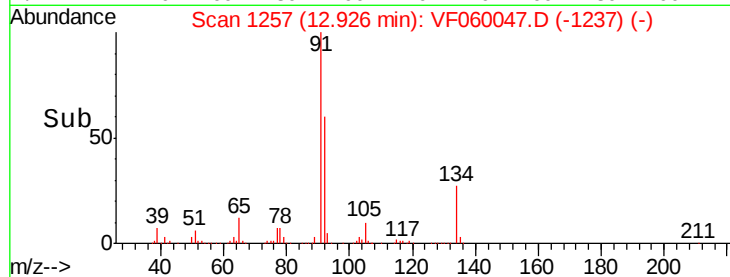
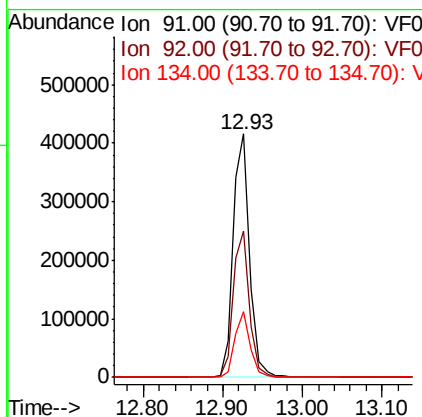
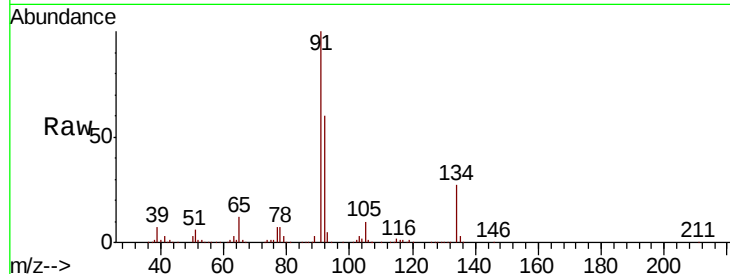
#89
n-Butylbenzene
Concen: 51.04 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.0	29.3	87.9
134	26.9	12.8	38.3

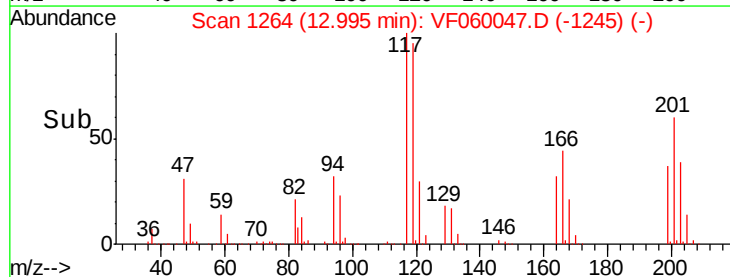
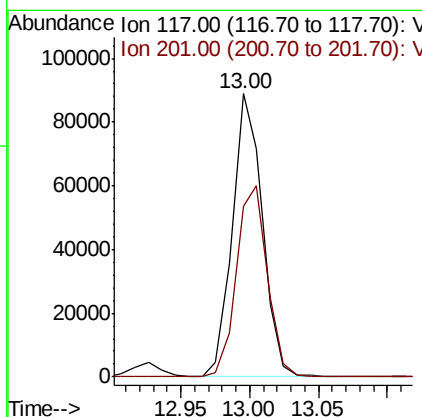
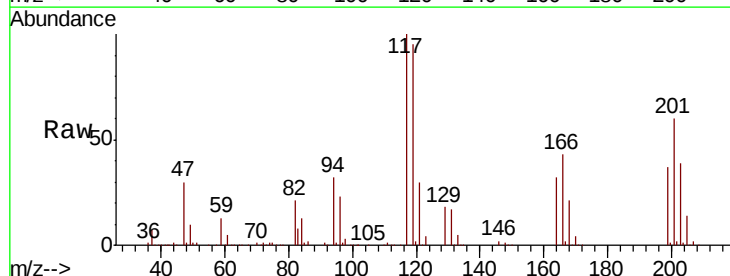
Manual Integrations
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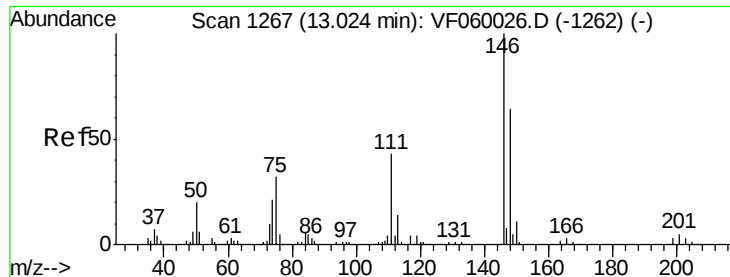
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#90
Hexachloroethane
Concen: 49.53 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF060047.D
Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.2	38.6	115.8





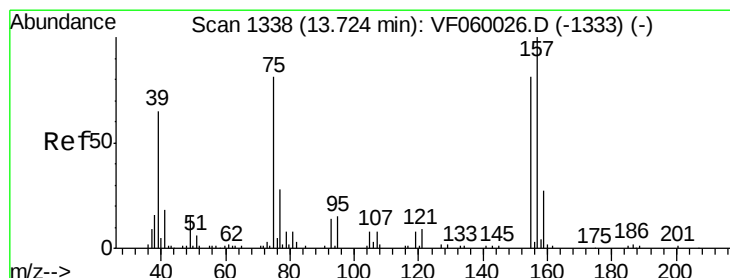
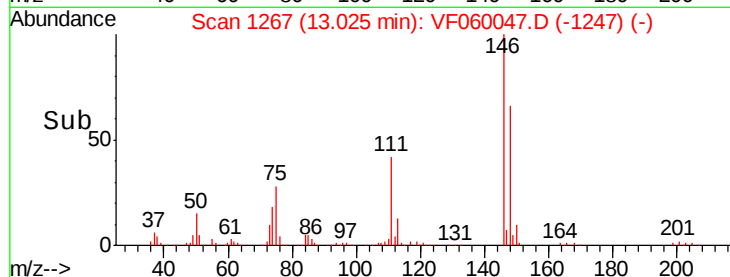
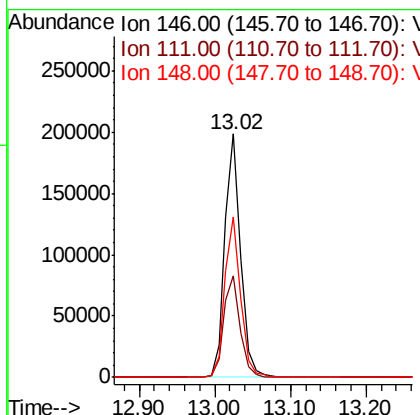
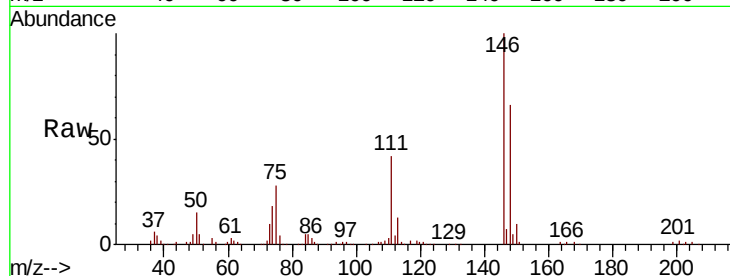
#91
 1,2-Dichlorobenzene
 Concen: 48.17 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.6	64.6
148	65.7	32.3	96.8

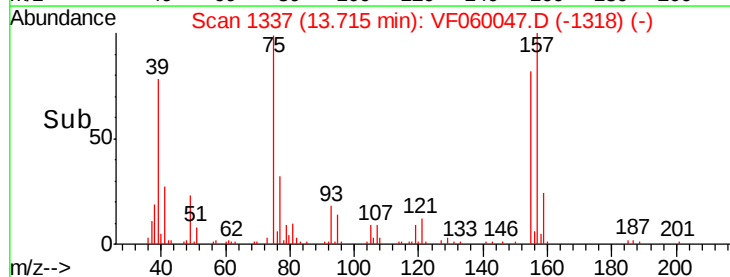
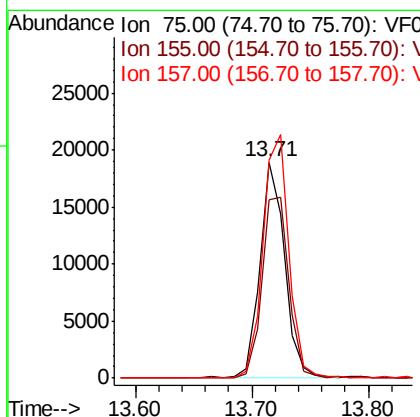
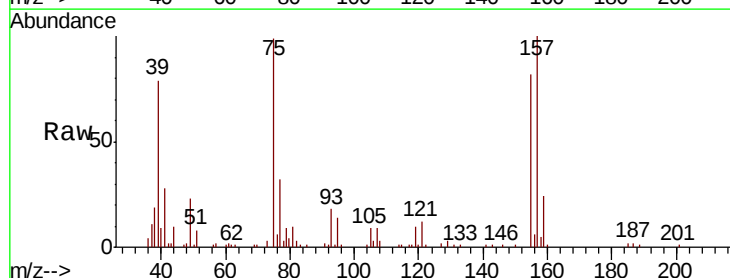
Manual Integrations
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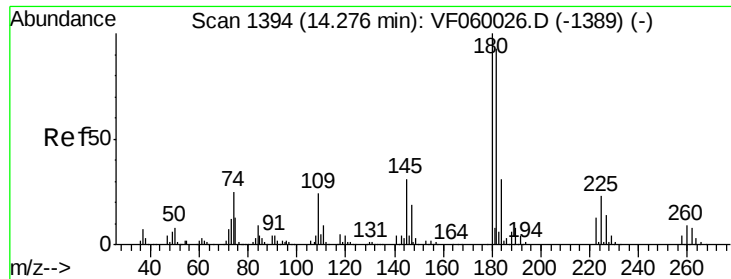
MMDadoda
 8/24/2018 4:08:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.39 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	49.8	149.3
157	101.4	61.6	184.7





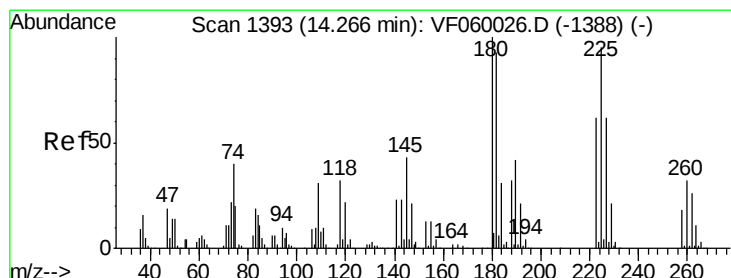
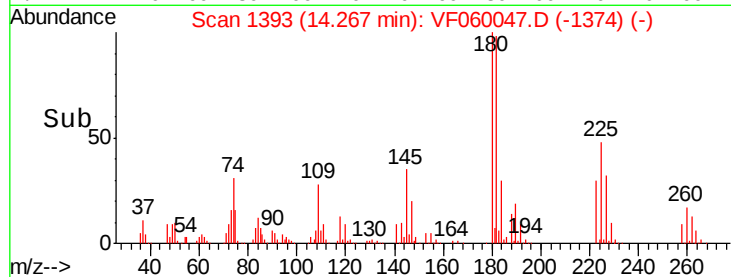
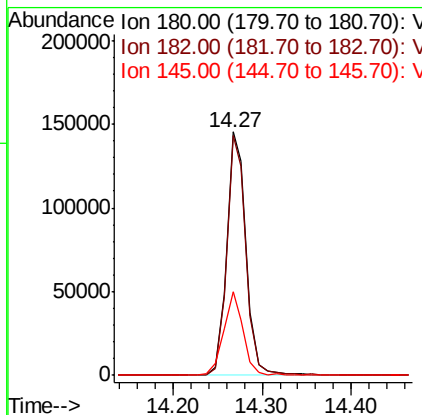
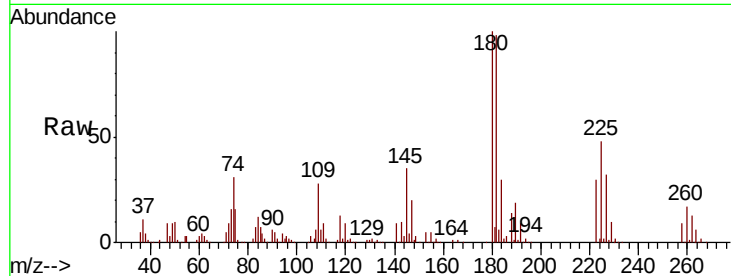
#93
 1,2,4-Trichlorobenzene
 Concen: 51.04 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	224638		
182	98.4	46.8	140.3	
145	34.5	15.4	46.4	

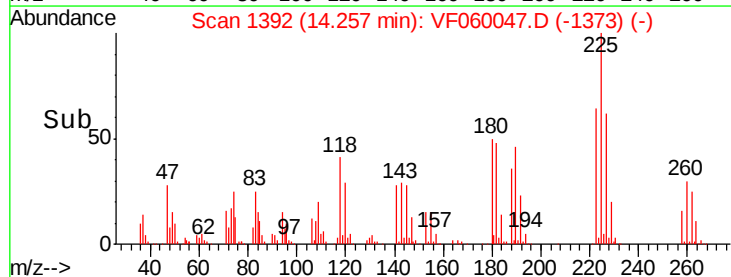
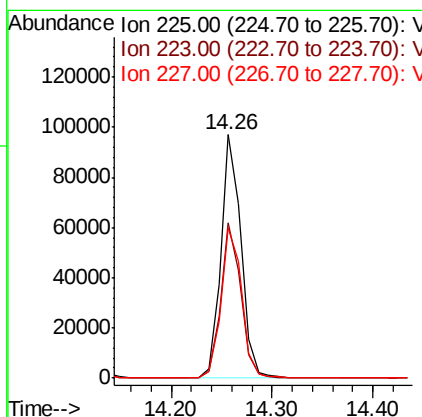
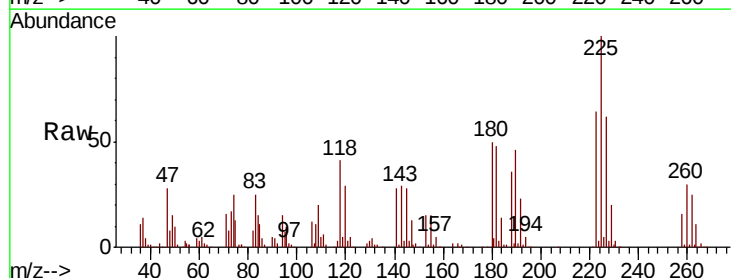
Manual Integrations
 APPROVED

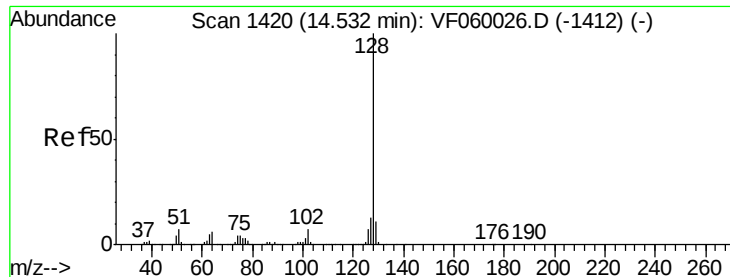
MMDadoda
 8/24/2018 4:08:29 PM



#94
 Hexachlorobutadiene
 Concen: 49.36 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060047.D
 Acq: 23 Aug 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135222		
223	63.6	32.6	97.8	
227	61.6	33.0	98.9	





#95

Naphthalene

Concen: 52.97 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Instrument :

MSVOA_F

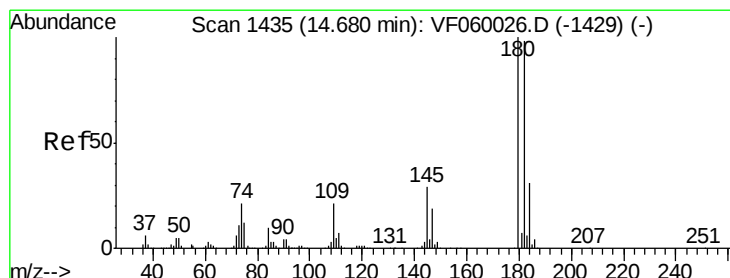
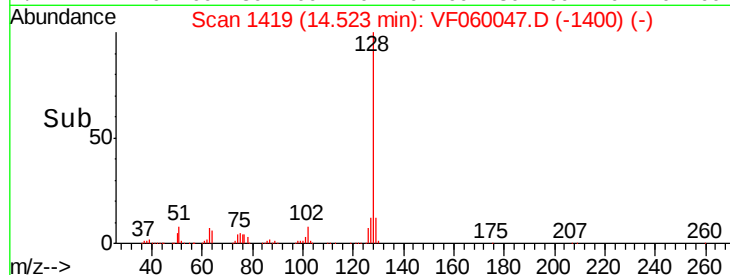
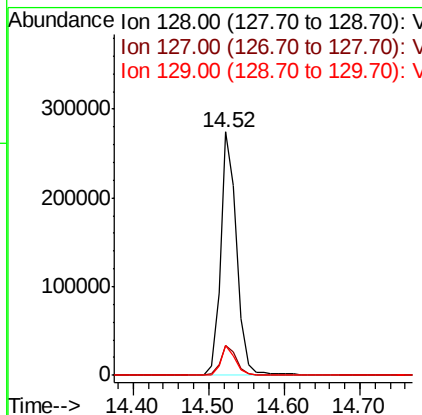
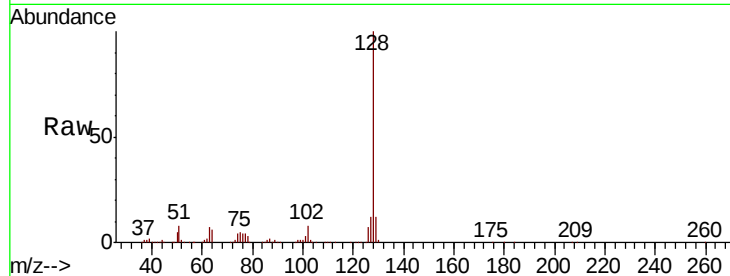
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	405605
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.4	15.6
129	12.4	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/24/2018 4:08:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.59 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF060047.D

Acq: 23 Aug 2018 12:09

Tgt Ion:	180	Resp:	220804
Ion Ratio	Lower	Upper	
180	100		
182	95.4	49.0	147.2
145	31.1	14.4	43.2

