

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060075.D
 Acq On : 24 Aug 2018 3:15
 Operator : VA/AP
 Sample : VF0823SBSD02
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 4:13:22 PM

Quant Time: Aug 24 04:15:34 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	171103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	277596	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	295576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	180036	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	138076	58.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.92%	
35) Dibromofluoromethane	4.29	113	119154	54.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.32%	
50) Toluene-d8	7.71	98	323704	52.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	11.51	95	179713	54.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	51999	23.08	ug/l	100
3) Chloromethane	1.07	50	36230	22.76	ug/l	100
4) Vinyl Chloride	1.12	62	27894	19.94	ug/l	100
5) Bromomethane	1.32	94	21321	20.06	ug/l	98
6) Chloroethane	1.39	64	12012	21.79	ug/l	93
7) Trichlorofluoromethane	1.48	101	72265	25.69	ug/l	99
8) Diethyl Ether	1.70	74	10395	20.67	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.86	101	35294	23.91	ug/l	97
10) Methyl Iodide	1.93	142	41835	21.43	ug/l	93
11) Tert butyl alcohol	2.68	59	14477	116.21	ug/l #	88
12) 1,1-Dichloroethene	1.83	96	23813	21.89	ug/l	96
13) Acrolein	2.09	56	3476	67.19	ug/l	88
14) Allyl chloride	2.18	41	42044	21.76	ug/l	91
15) Acrylonitrile	3.07	53	23903	97.23	ug/l	91
16) Acetone	2.34	43	56246	91.39	ug/l	96
17) Carbon Disulfide	1.84	76	71258	20.92	ug/l	99
18) Methyl Acetate	2.45	43	25494	21.94	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	72327	20.75	ug/l	99
20) Methylene Chloride	2.28	84	30644	22.46	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	23558	19.36	ug/l	90
22) Diisopropyl ether	2.92	45	81189	18.77	ug/l	95
23) Vinyl Acetate	3.34	43	250277	109.22	ug/l	100
24) 1,1-Dichloroethane	3.00	63	58160	21.77	ug/l	99
25) 2-Butanone	4.51	43	87863	109.91	ug/l	98
26) 2,2-Dichloropropane	3.76	77	55144	19.95	ug/l	90
27) cis-1,2-Dichloroethene	3.63	96	37871	21.96	ug/l	89
28) Bromochloromethane	3.89	49	28666	25.41	ug/l #	79
29) Tetrahydrofuran	4.25	42	34465	114.19	ug/l	96
30) Chloroform	4.04	83	83675	22.31	ug/l	95
31) Cyclohexane	3.86	56	44832	22.02	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	77084	24.00	ug/l	96
36) 1,1-Dichloropropene	4.46	75	52033	19.95	ug/l	95
37) Ethyl Acetate	4.29	43	33728	21.62	ug/l #	72
38) Carbon Tetrachloride	4.18	117	68388	22.64	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	48458	19.81	ug/l #	82
40) Benzene	4.82	78	122514	21.50	ug/l	96
41) Methacrylonitrile	4.92	41	15664	19.85	ug/l #	85
42) 1,2-Dichloroethane	5.12	62	68290	22.35	ug/l	99
43) Isopropyl Acetate	7.12	43	39960	20.35	ug/l #	97
44) Trichloroethene	5.67	130	41274	21.91	ug/l	89
45) 1,2-Dichloropropane	6.40	63	35524	22.04	ug/l	93
46) Dibromomethane	6.26	93	28661	22.72	ug/l	89
47) Bromodichloromethane	6.55	83	66785	21.92	ug/l	93
48) Methyl methacrylate	6.88	41	25450	19.59	ug/l	93
49) 1,4-Dioxane	6.88	88	4906	393.31	ug/l	98
51) 4-Methyl-2-Pentanone	8.40	43	196023	115.60	ug/l	99
52) Toluene	7.78	92	91364	22.19	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	60504	21.90	ug/l	91
54) cis-1,3-Dichloropropene	7.46	75	64163	20.81	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	36603	23.80	ug/l	95
56) Ethyl methacrylate	8.76	69	38860	20.88	ug/l	94
57) 1,3-Dichloropropane	9.01	76	62614	23.17	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	15383	104.13	ug/l	100
59) 2-Hexanone	9.64	43	160130	116.68	ug/l	92
60) Dibromochloromethane	8.87	129	49668	21.88	ug/l	99
61) 1,2-Dibromoethane	9.13	107	39725	22.00	ug/l	100
64) Tetrachloroethene	8.31	164	44637	22.42	ug/l	99
65) Chlorobenzene	9.94	112	126578	22.68	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	44039	20.80	ug/l	95
67) Ethyl Benzene	10.04	91	222781	23.13	ug/l	98
68) m/p-Xylenes	10.27	106	157920	44.91	ug/l	100
69) o-Xylene	10.83	106	81527	21.61	ug/l	96
70) Styrene	10.91	104	130425	22.53	ug/l	97
71) Bromoform	10.89	173	32663	22.12	ug/l	97
73) Isopropylbenzene	11.23	105	237173	21.89	ug/l	99
74) N-amyl acetate	11.47	43	73073	21.69	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.79	83	59261	25.04	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	41759	22.75	ug/l	96
77) Bromobenzene	11.60	156	64110	21.75	ug/l	91
78) n-propylbenzene	11.69	91	306495	22.91	ug/l	98
79) 2-Chlorotoluene	11.82	91	184028	23.40	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	202750	21.47	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	17418m	20.74	ug/l	
82) 4-Chlorotoluene	11.99	91	192784	22.58	ug/l	98
83) tert-Butylbenzene	12.22	119	200459	21.77	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	219474	21.87	ug/l	97
85) sec-Butylbenzene	12.39	105	286325	22.33	ug/l	100
86) p-Isopropyltoluene	12.54	119	233990	22.00	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	121849	22.36	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	122963	22.71	ug/l	98
89) n-Butylbenzene	12.92	91	236992	22.94	ug/l	96
90) Hexachloroethane	13.00	117	54079	22.63	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	119153	22.74	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	10788	22.31	ug/l	89

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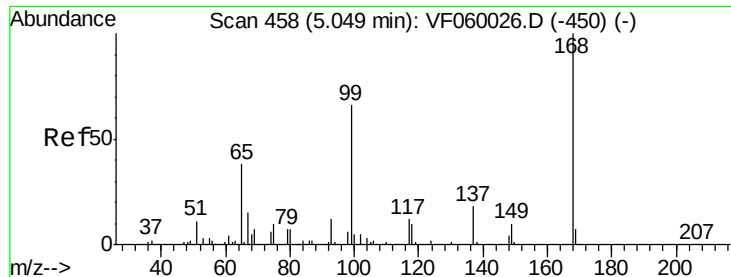
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	79012	20.47	ug/l	94
94) Hexachlorobutadiene	14.26	225	49654	20.67	ug/l	99
95) Naphthalene	14.53	128	110964	18.10	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	79273	21.53	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS02

Tot Ion:168 Resp: 171103

Ion Ratio Lower Upper

168 100

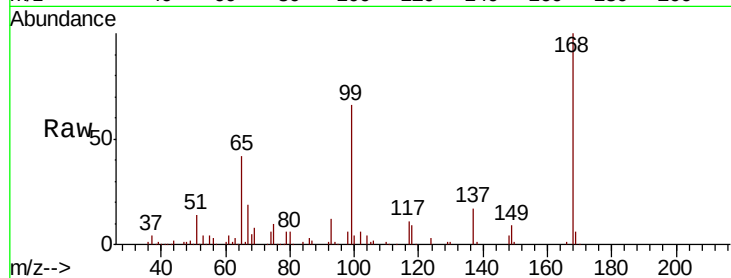
99 66.0 52.6 79.0

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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

60000

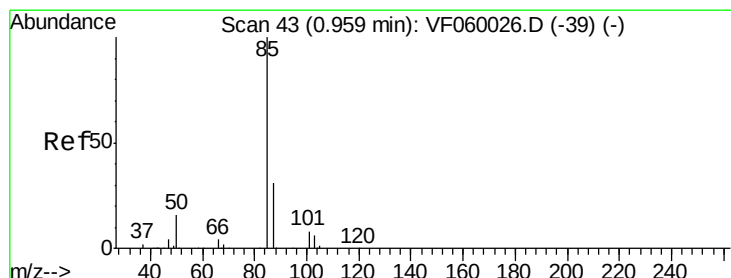
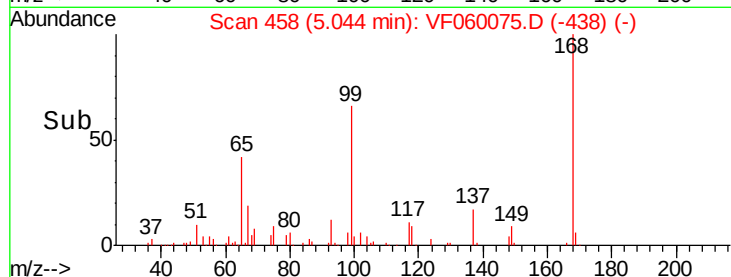
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 23.08 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.00 min

Lab File: VF060075.D

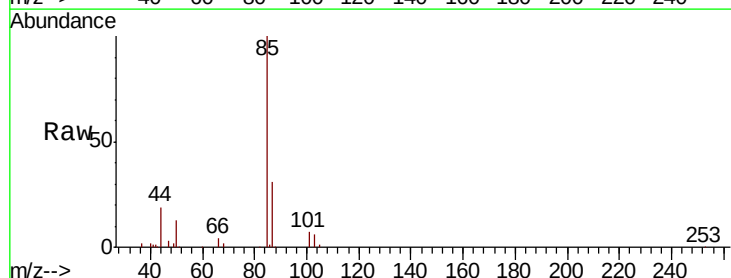
Acq: 24 Aug 2018 3:15

Tgt Ion: 85 Resp: 51999

Ion Ratio Lower Upper

85 100

87 30.7 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

40000

30000

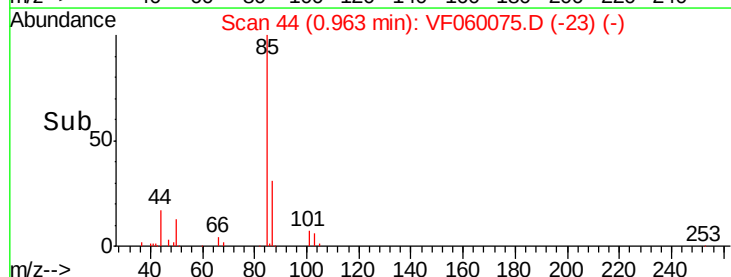
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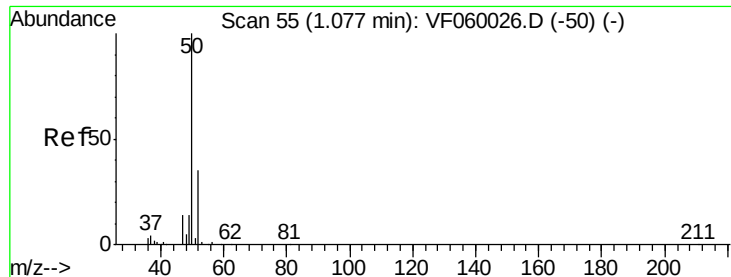
10000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 22.76 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS02

Tot Ion: 50 Resp: 36230

Ion Ratio Lower Upper

50 100

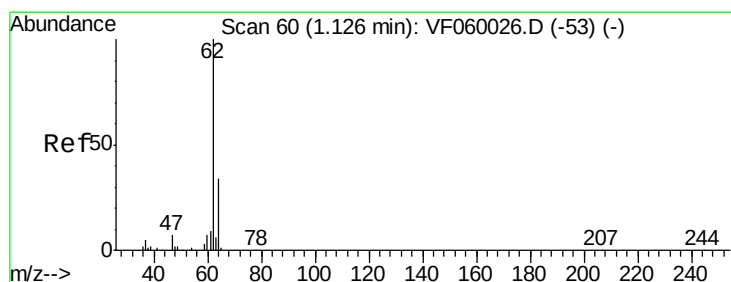
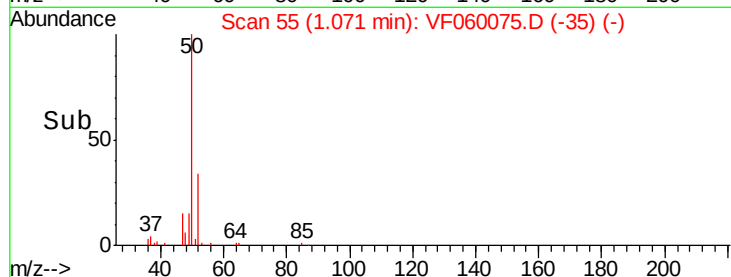
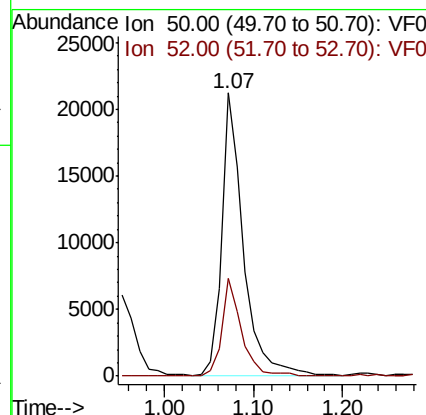
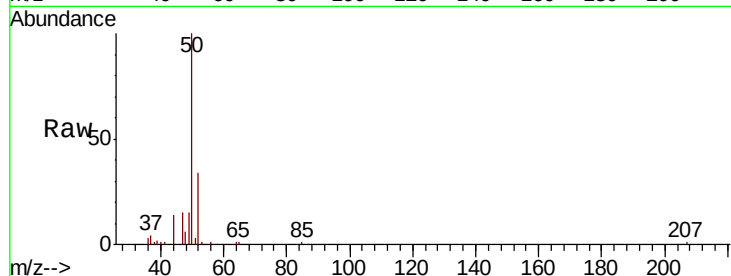
52 34.5 27.6 41.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.94 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VF060075.D

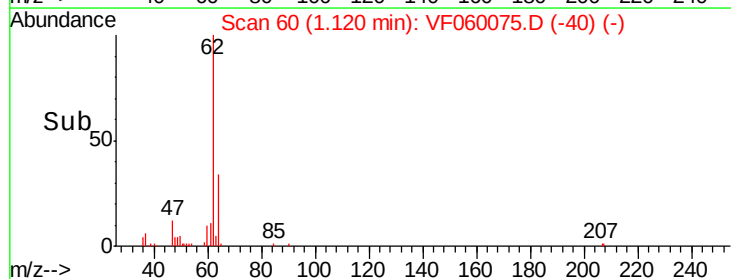
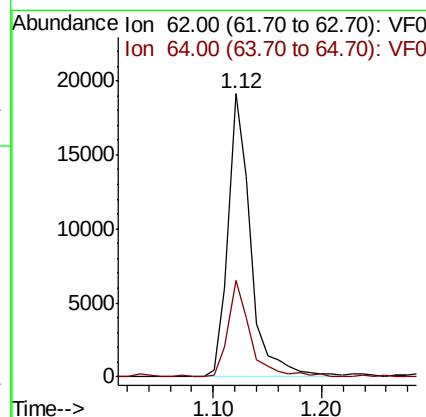
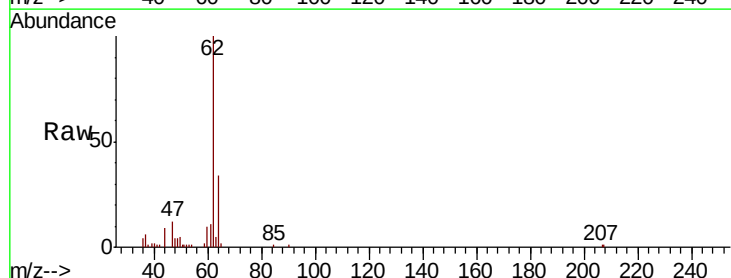
Acq: 24 Aug 2018 3:15

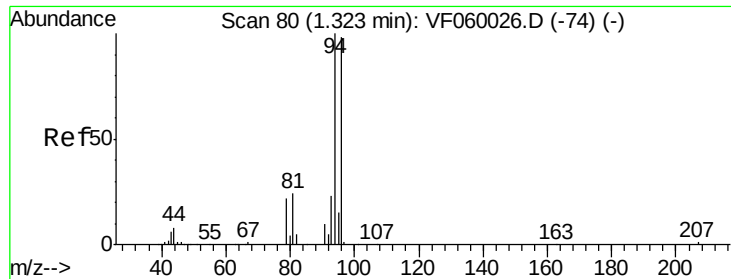
Tgt Ion: 62 Resp: 27894

Ion Ratio Lower Upper

62 100

64 34.3 27.4 41.2





#5

Bromomethane

Concen: 20.06 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS02

Tot Ion: 94 Resp: 21321

Ion Ratio Lower Upper

94 100

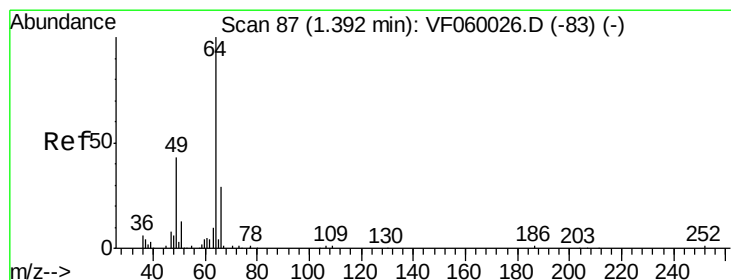
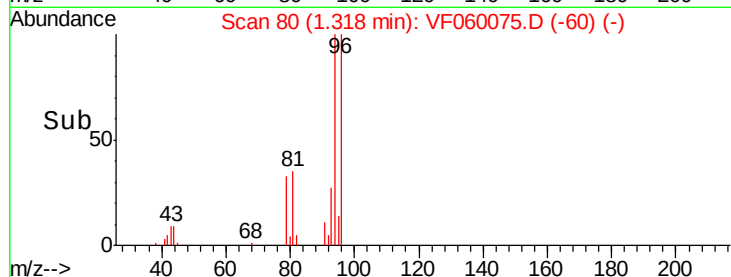
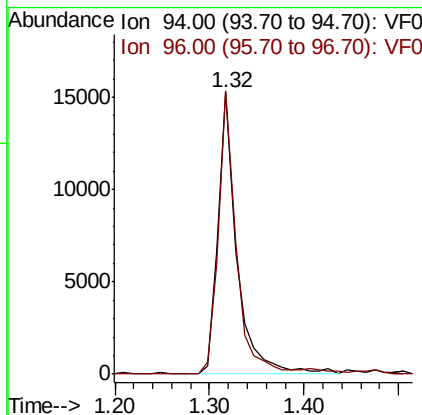
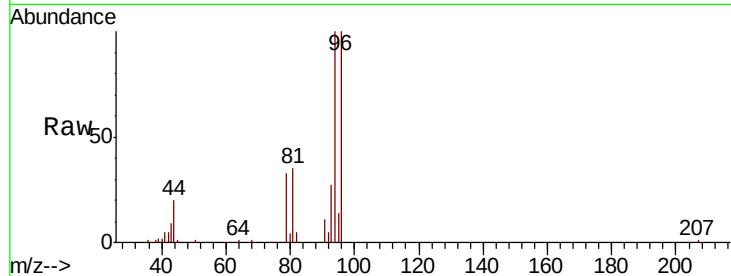
96 100.5 78.6 118.0

Manual Integrations

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#6

Chloroethane

Concen: 21.79 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060075.D

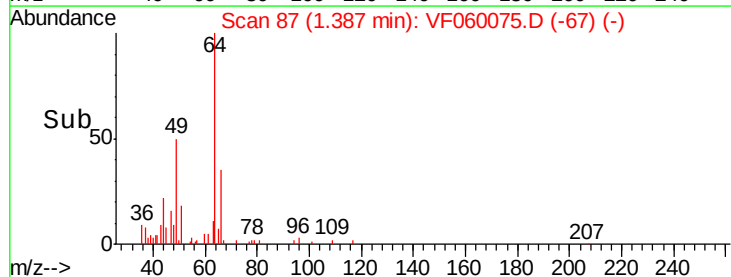
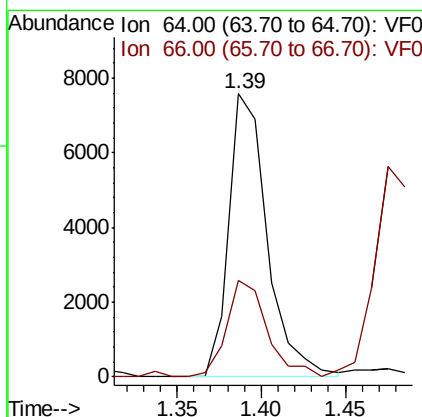
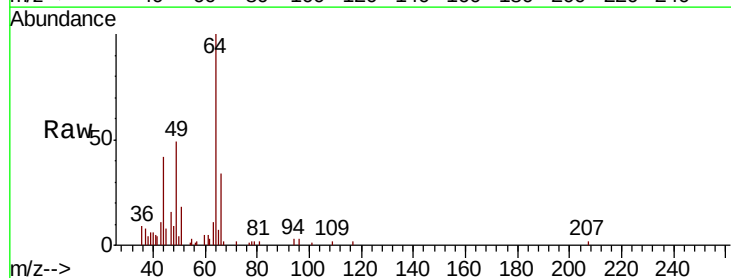
Acq: 24 Aug 2018 3:15

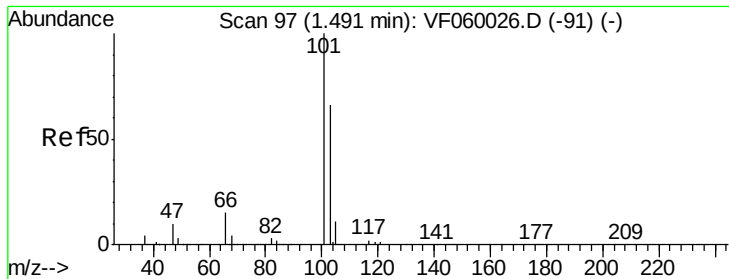
Tgt Ion: 64 Resp: 12012

Ion Ratio Lower Upper

64 100

66 34.1 24.1 36.1





#7

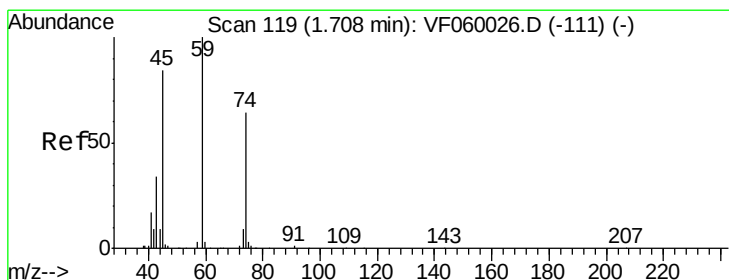
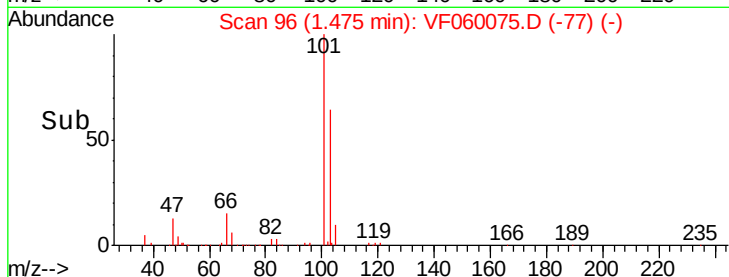
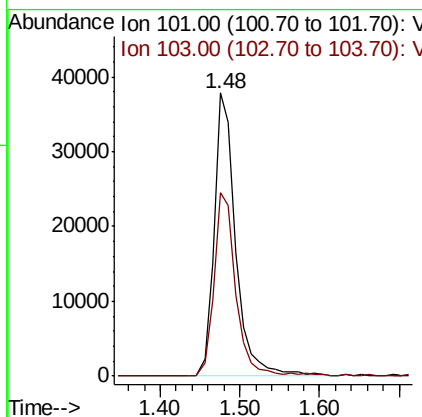
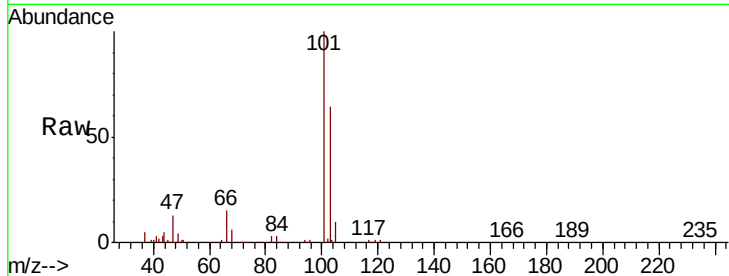
Trichlorofluoromethane
 Concen: 25.69 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. -0.02 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

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 ClientSampleId :
 VF0823SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.5	78.7

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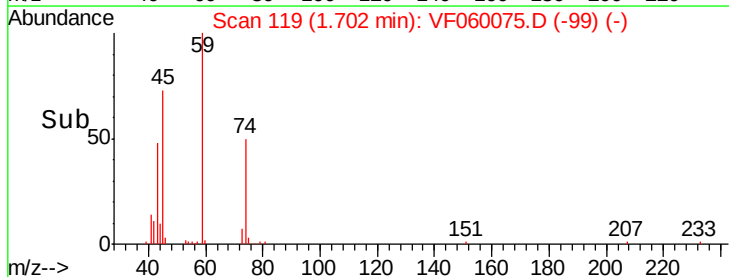
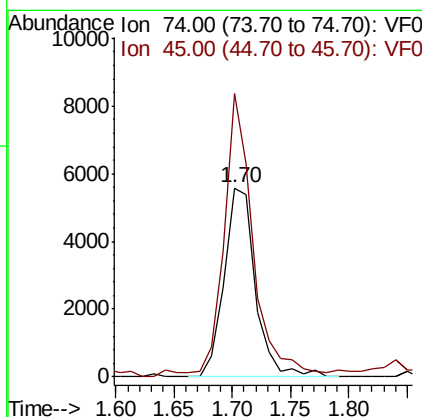
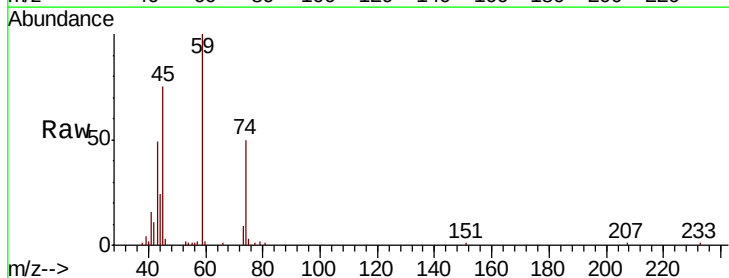
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 8/24/2018 4:13:22 PM

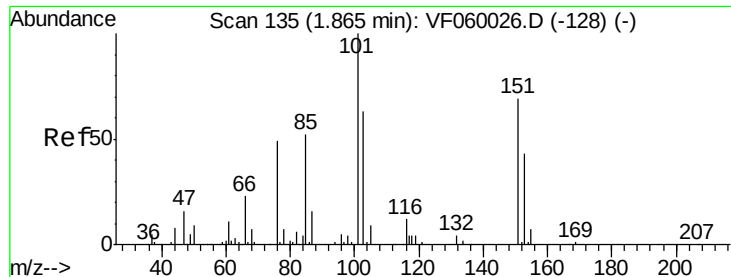


#8

Diethyl Ether
 Concen: 20.67 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	149.6	66.0	198.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.91 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

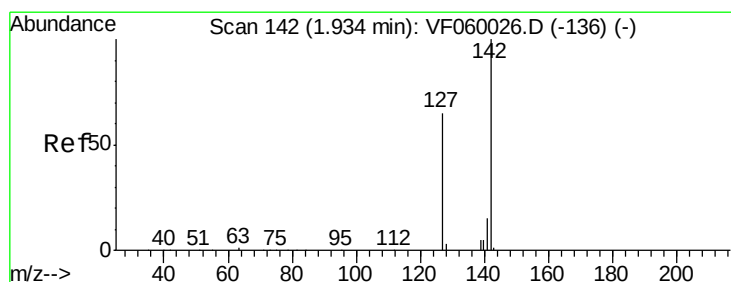
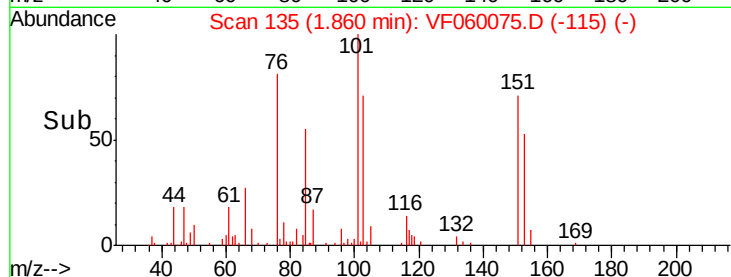
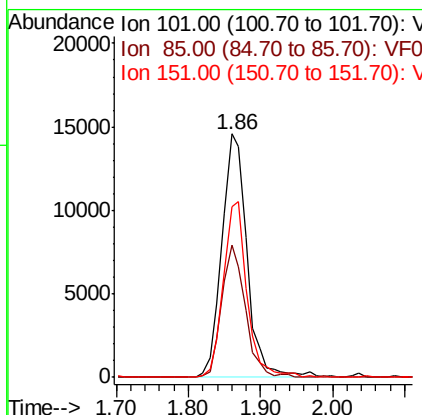
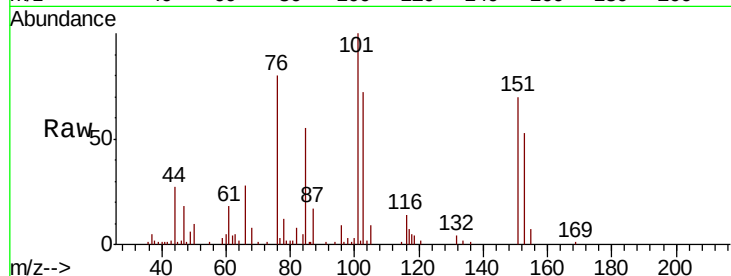
ClientSampleId :

VF0823SBS02

Tot Ion:	101	Resp:	35294
Ion Ratio	Lower	Upper	
101	100		
85	54.6	41.5	62.3
151	70.3	55.2	82.8

Manual Integrations
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#10

Methyl Iodide

Concen: 21.43 ug/l

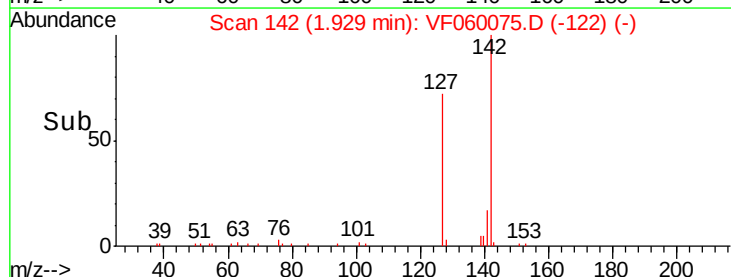
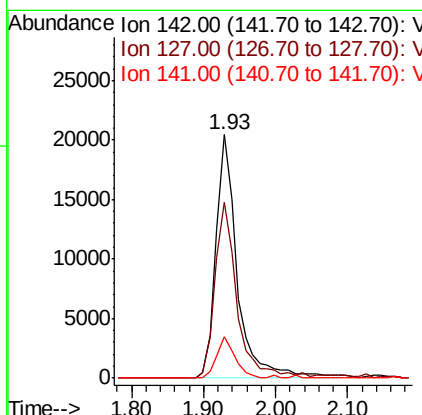
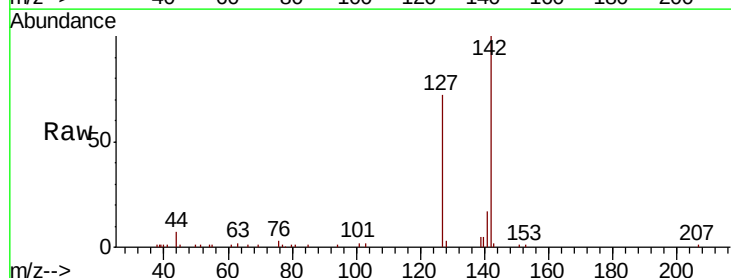
RT: 1.93 min Scan# 142

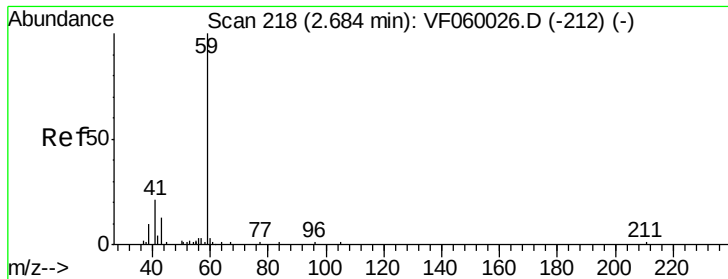
Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion:	142	Resp:	41835
Ion Ratio	Lower	Upper	
142	100		
127	71.0	51.8	77.6
141	16.6	11.9	17.9





#11

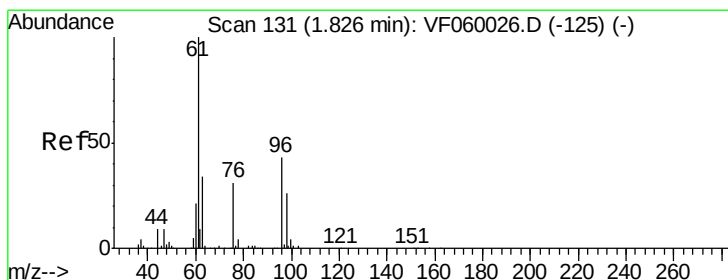
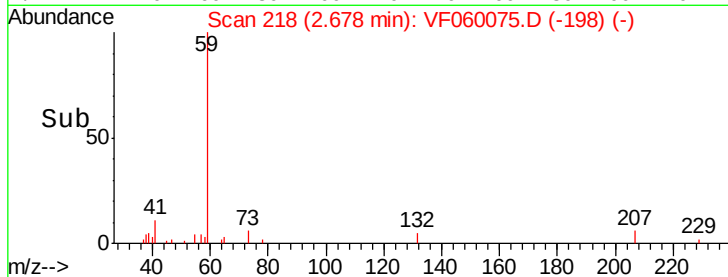
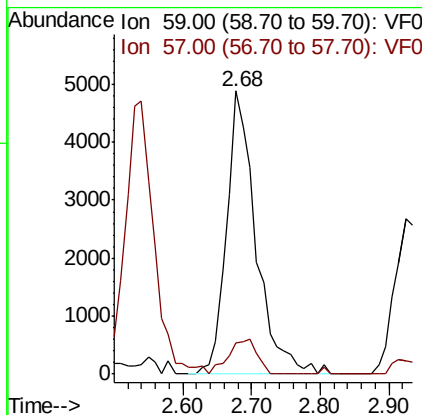
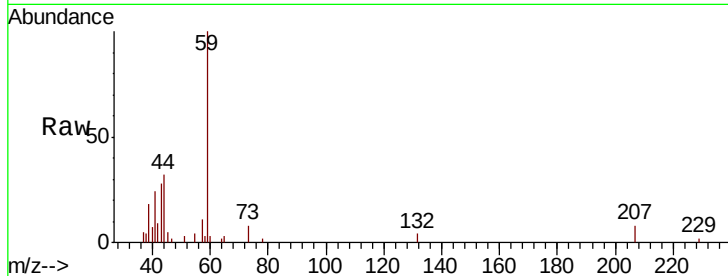
Tert butyl alcohol
 Concen: 116.21 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	5.4	8.2#

Manual Integrations
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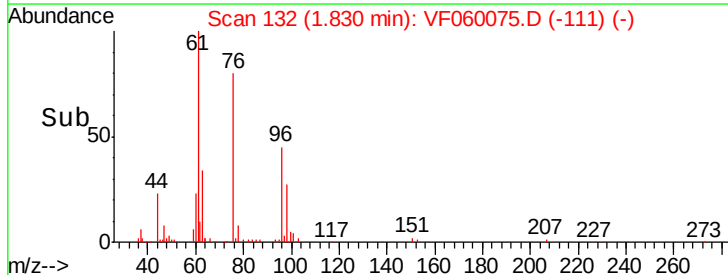
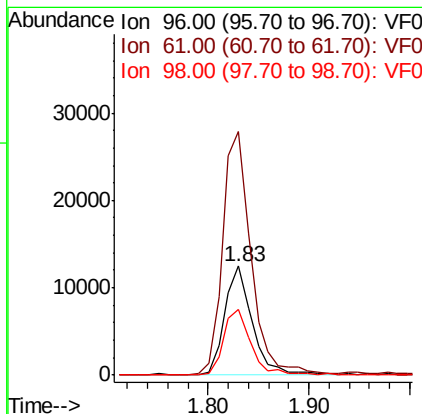
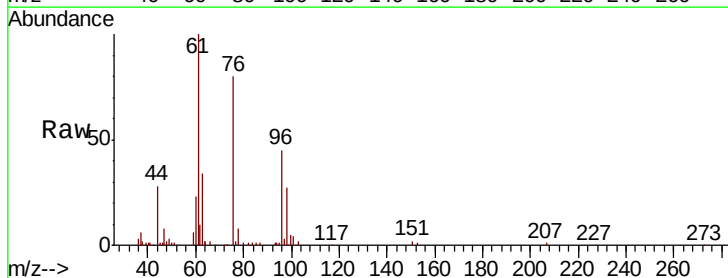
MMDadoda
 8/24/2018 4:13:22 PM

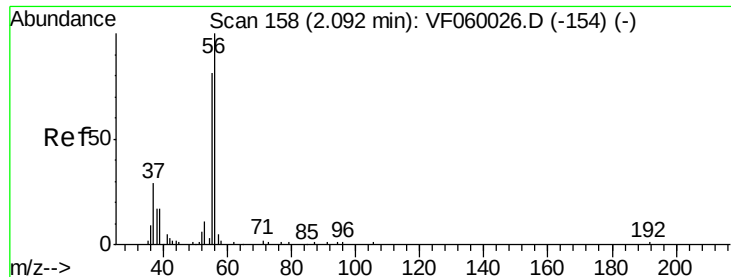


#12

1,1-Dichloroethene
 Concen: 21.89 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. 0.00 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	223.7	185.0	277.6
98	60.1	47.8	71.8





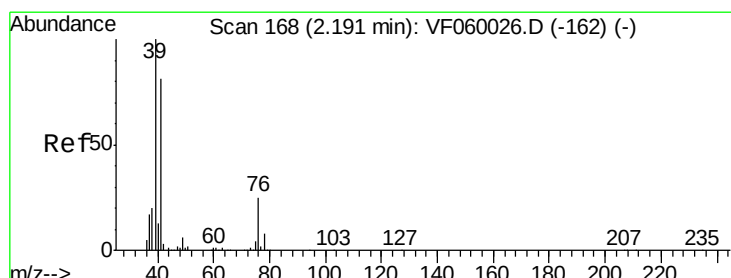
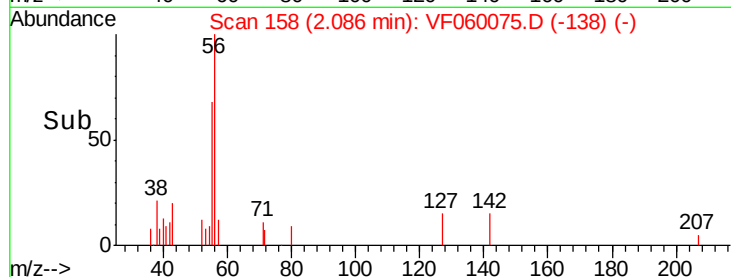
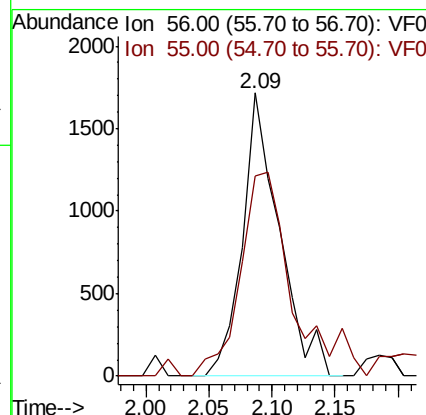
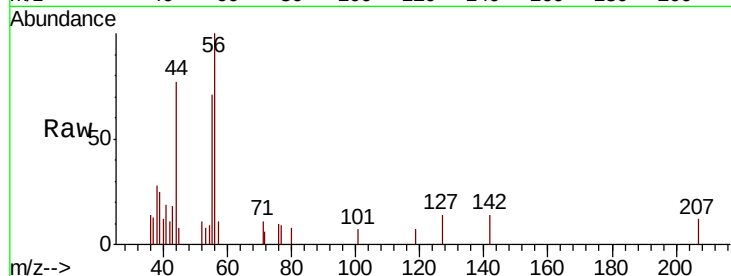
#13
 Acrolein
 Concen: 67.19 ug/l
 RT: 2.09 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.9	65.6	98.4

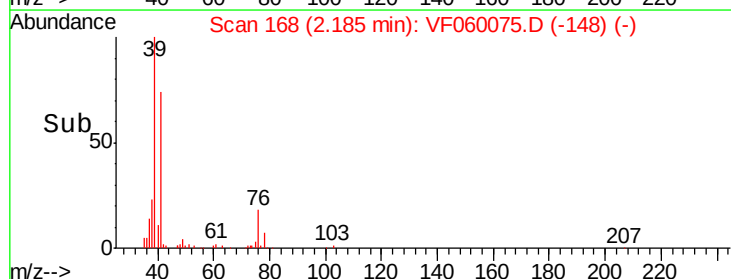
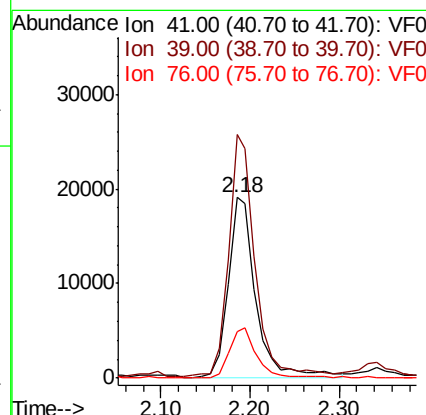
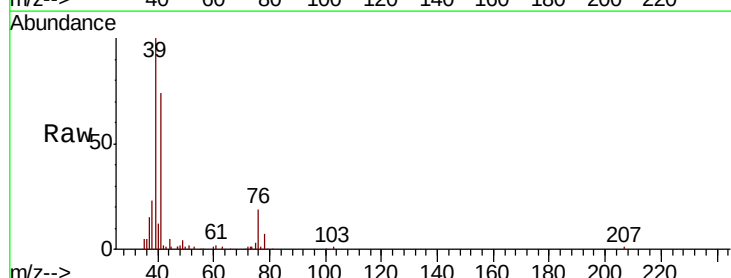
Manual Integrations
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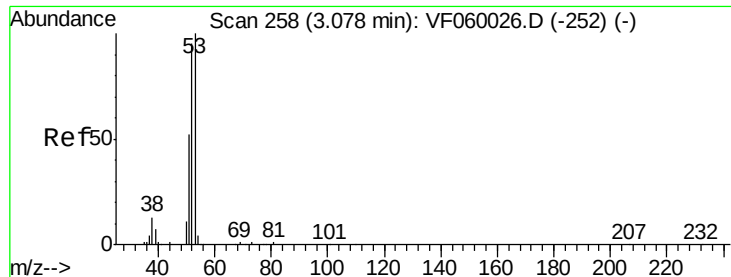
MMDadoda
 8/24/2018 4:13:22 PM



#14
 Allyl chloride
 Concen: 21.76 ug/l
 RT: 2.18 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
41	100		
39	134.9	99.3	148.9
76	25.8	24.3	36.5





#15

Acrylonitrile

Concen: 97.23 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

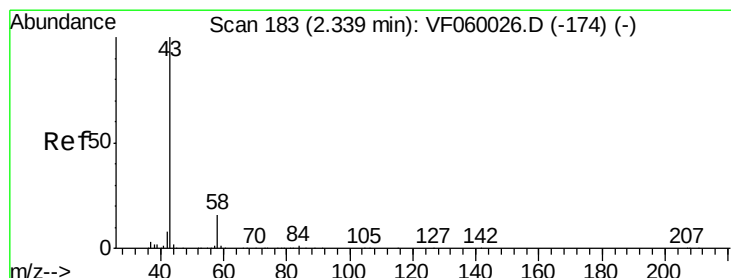
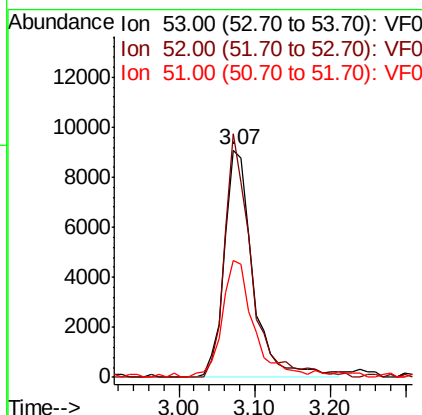
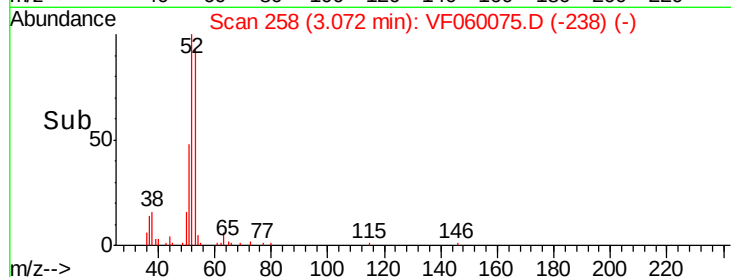
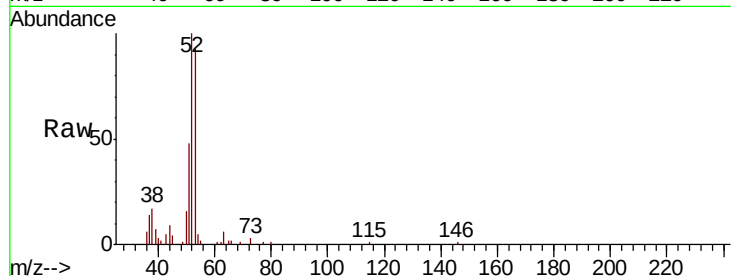
ClientSampleId :

VF0823SBS02

Tot Ion:	53	Resp:	23903
Ion	Ratio	Lower	Upper
53	100		
52	107.1	75.8	113.8
51	51.6	42.1	63.1

Manual Integrations
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#16

Acetone

Concen: 91.39 ug/l

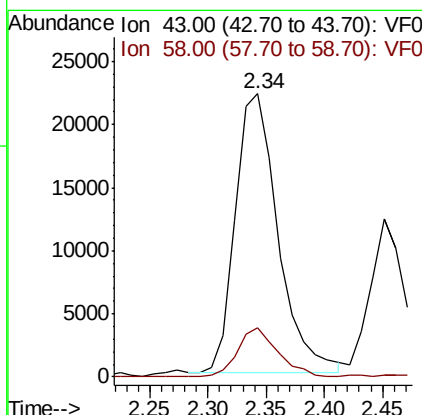
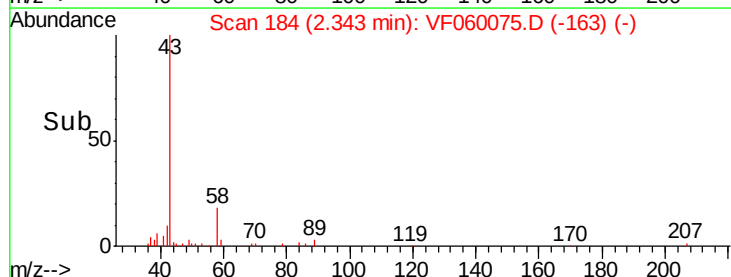
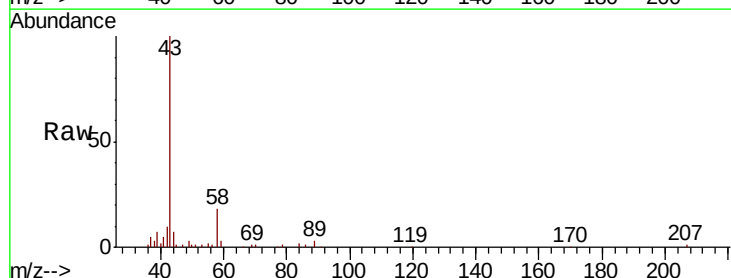
RT: 2.34 min Scan# 184

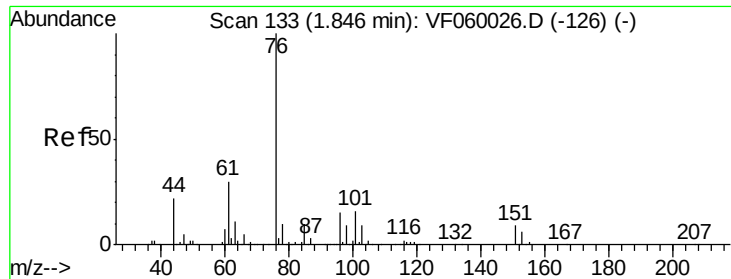
Delta R.T. 0.00 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion:	43	Resp:	56246
Ion	Ratio	Lower	Upper
43	100		
58	17.6	12.6	19.0





#17

Carbon Disulfide

Concen: 20.92 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS02

Tot Ion: 76 Resp: 71258

Ion Ratio Lower Upper

76 100

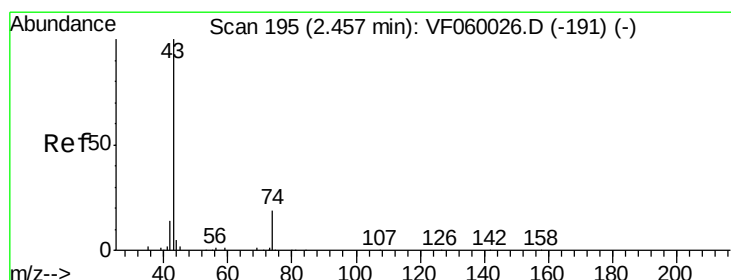
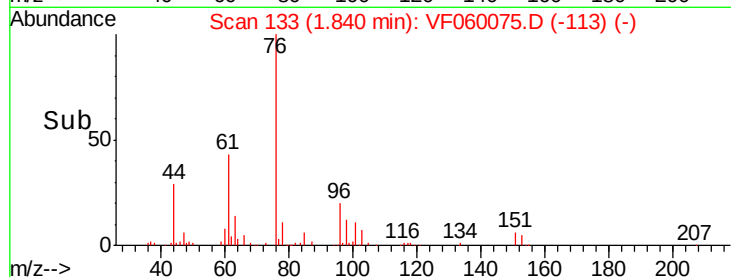
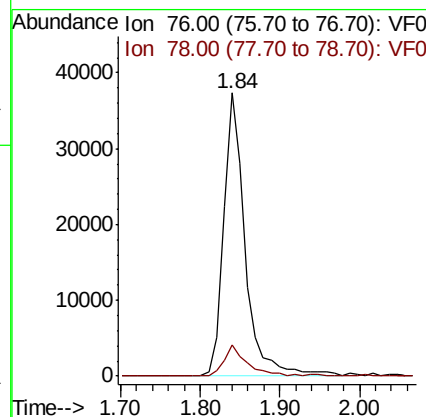
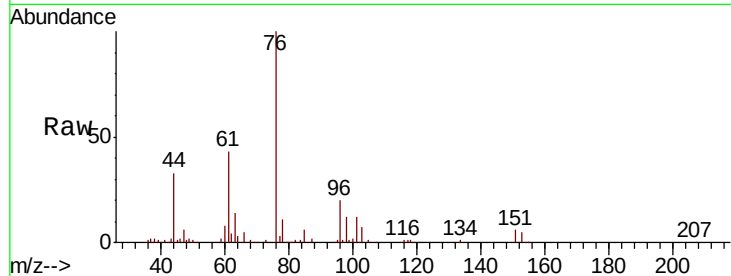
78 10.9 8.4 12.6

Manual Integrations

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#18

Methyl Acetate

Concen: 21.94 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF060075.D

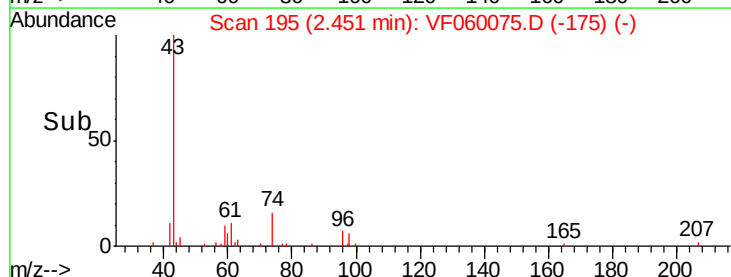
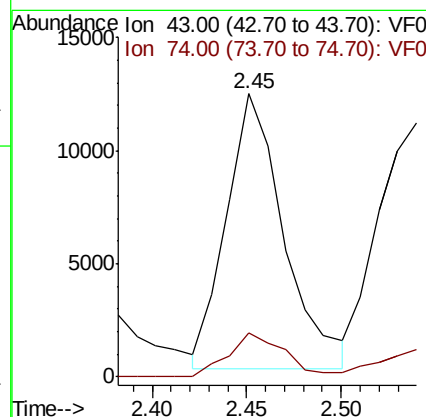
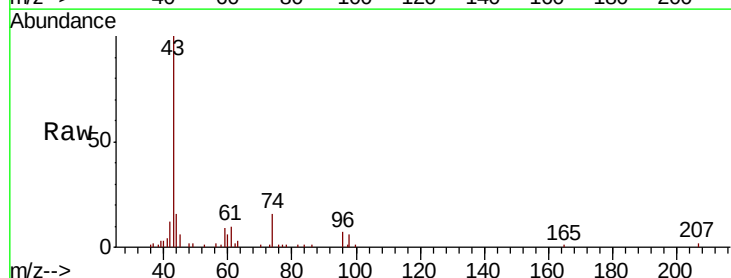
Acq: 24 Aug 2018 3:15

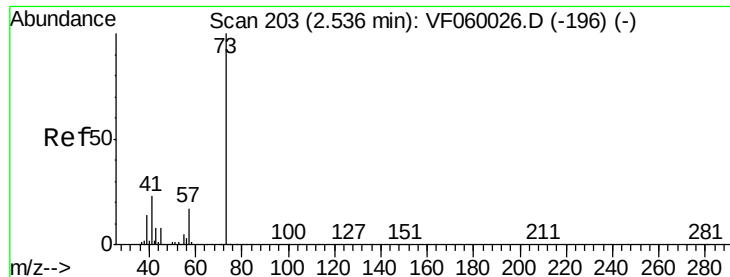
Tgt Ion: 43 Resp: 25494

Ion Ratio Lower Upper

43 100

74 15.6 13.8 20.6





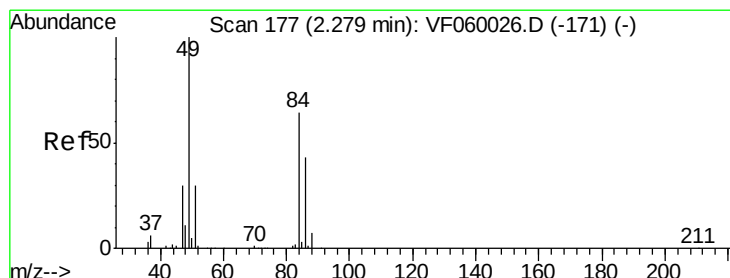
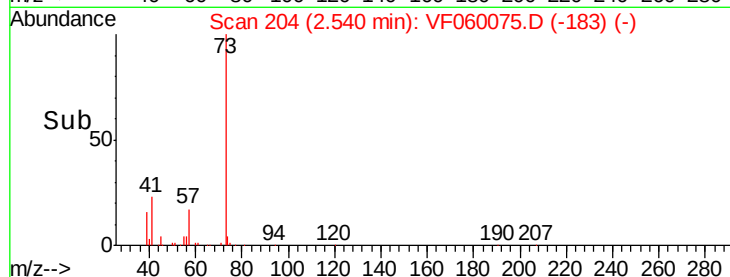
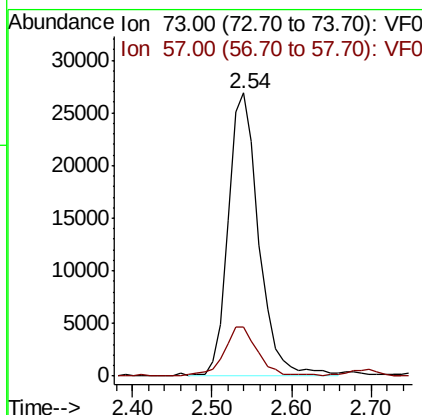
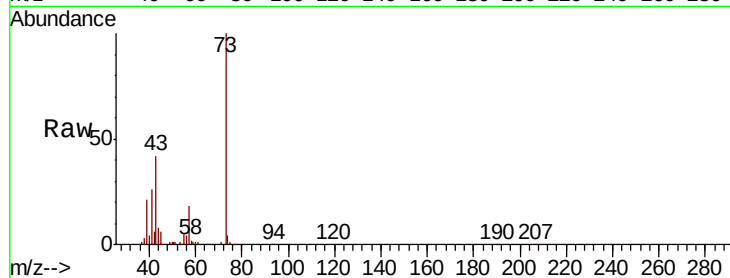
#19
Methyl tert-butyl Ether
Concen: 20.75 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.5	13.7	20.5

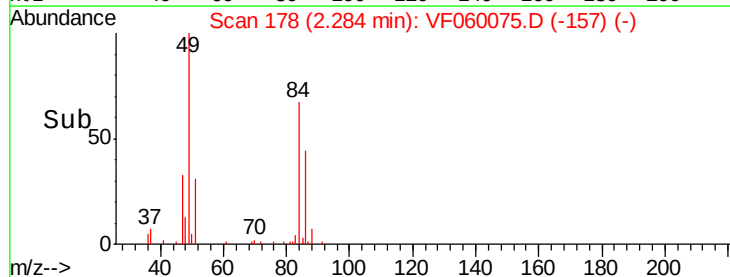
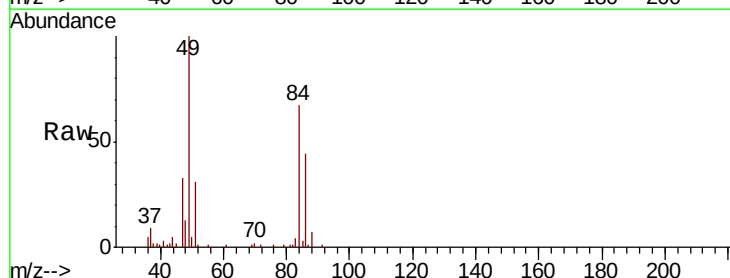
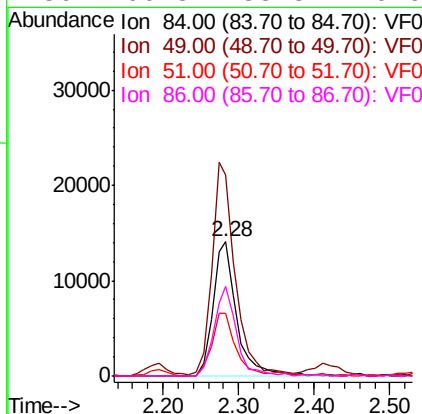
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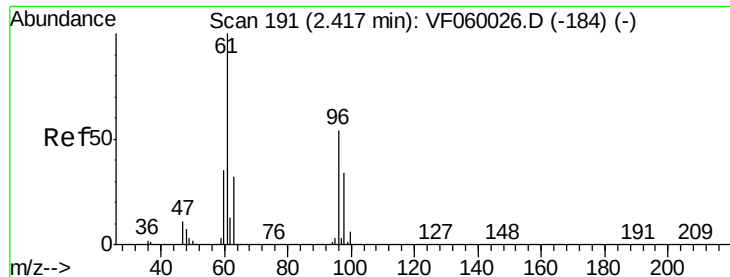
MMDadoda
8/24/2018 4:13:22 PM



#20
Methylene Chloride
Concen: 22.46 ug/l
RT: 2.28 min Scan# 178
Delta R.T. 0.00 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.1	125.4	188.0
51	46.4	38.3	57.5
86	66.8	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 19.36 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

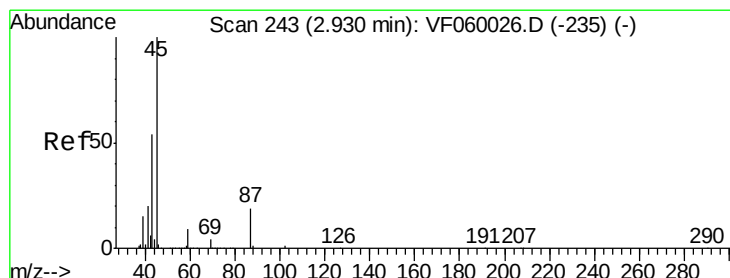
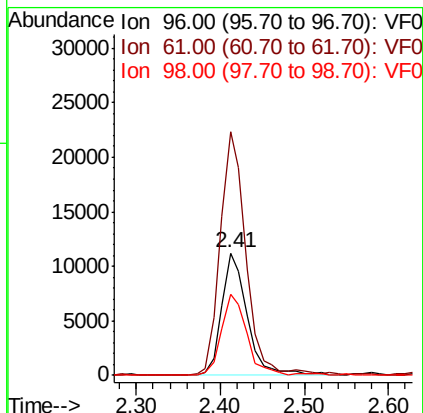
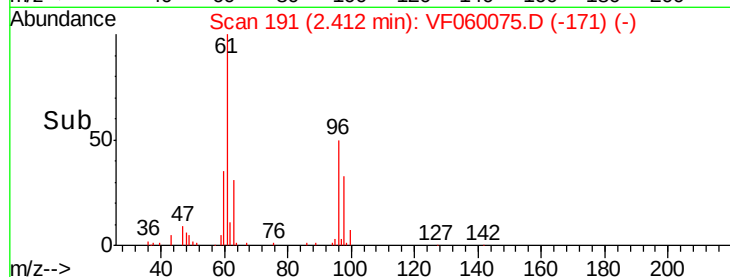
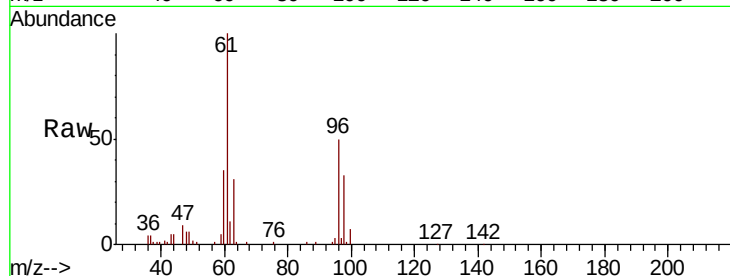
ClientSampleId :

VF0823SBS02

Tot Ion:	96	Resp:	23558
Ion	Ratio	Lower	Upper
96	100		
61	198.9	147.4	221.0
98	68.4	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.77 ug/l

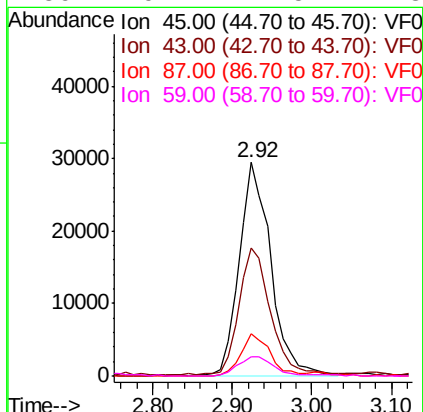
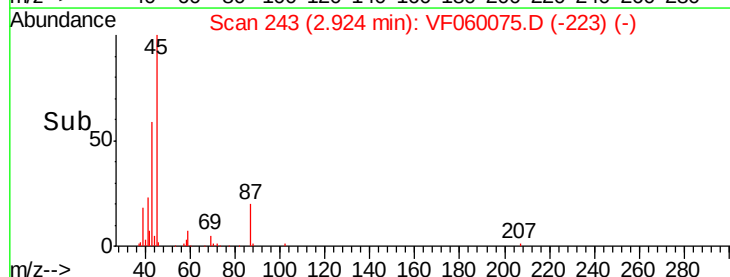
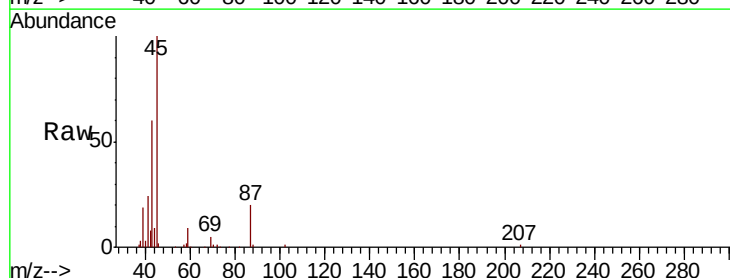
RT: 2.92 min Scan# 243

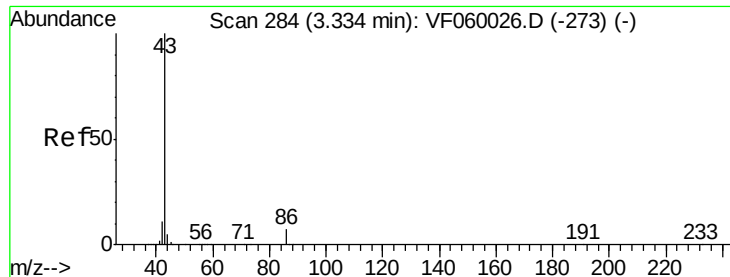
Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion:	45	Resp:	81189
Ion	Ratio	Lower	Upper
45	100		
43	59.7	43.4	65.2
87	19.5	15.4	23.2
59	9.1	7.5	11.3





#23

Vinyl Acetate

Concen: 109.22 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS02

Tot Ion: 43 Resp: 250277

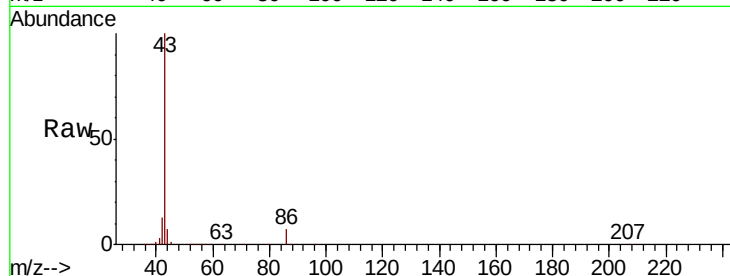
Ion Ratio Lower Upper

43 100

86 7.1 5.6 8.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

100000

80000

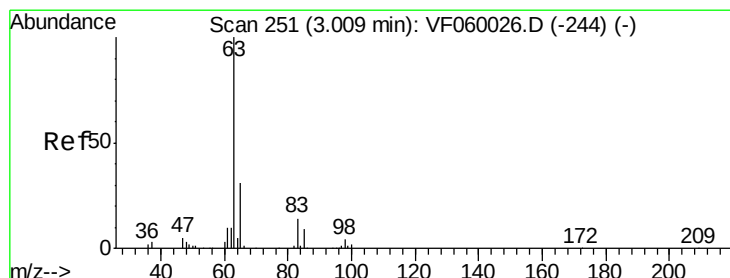
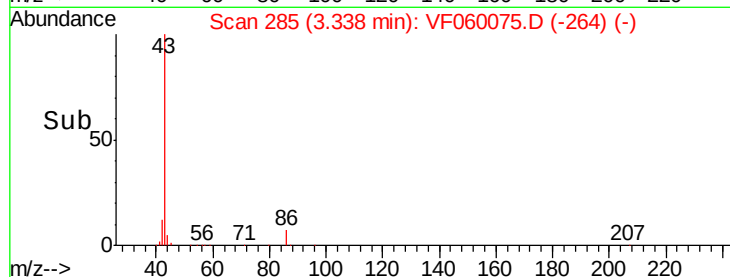
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.77 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

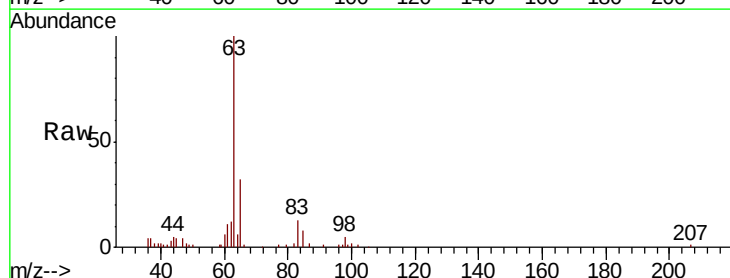
Tgt Ion: 63 Resp: 58160

Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.5

100 2.3 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

30000

25000

20000

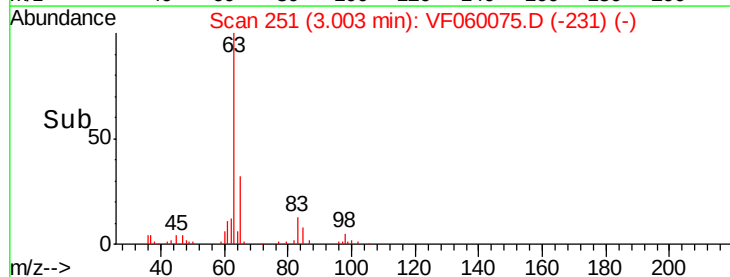
15000

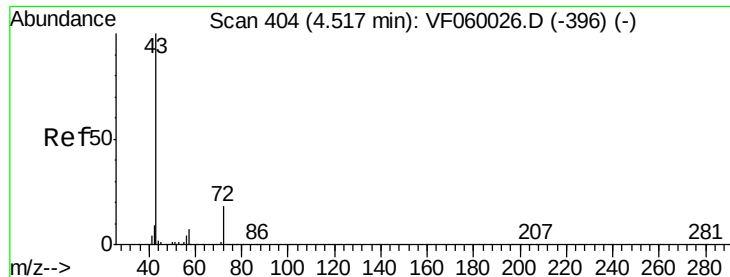
10000

5000

0

Time-->





#25

2-Butanone

Concen: 109.91 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS02

Tot Ion: 43 Resp: 87863

Ion Ratio Lower Upper

43 100

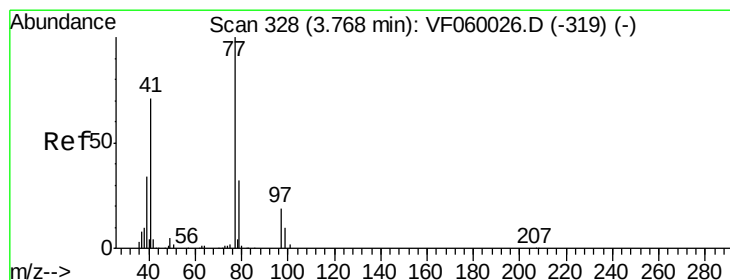
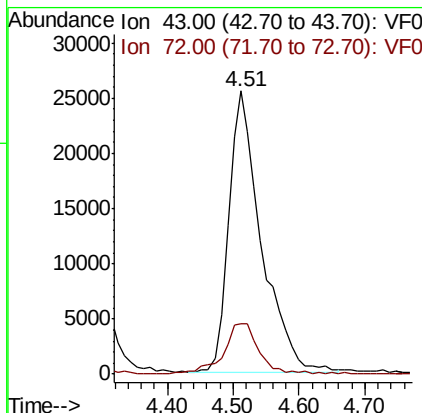
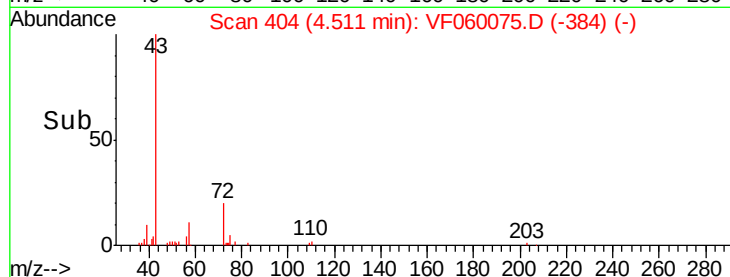
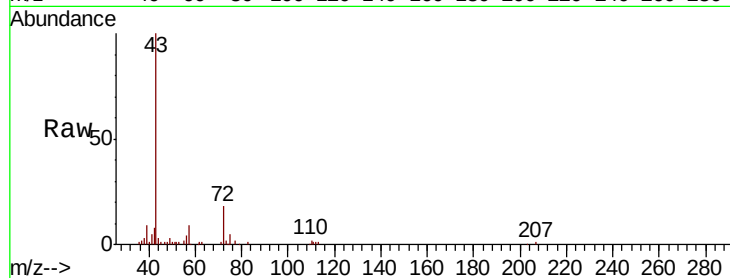
72 17.8 15.0 22.6

Manual Integrations

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8/24/2018 4:13:22 PM



#26

2,2-Dichloropropane

Concen: 19.95 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF060075.D

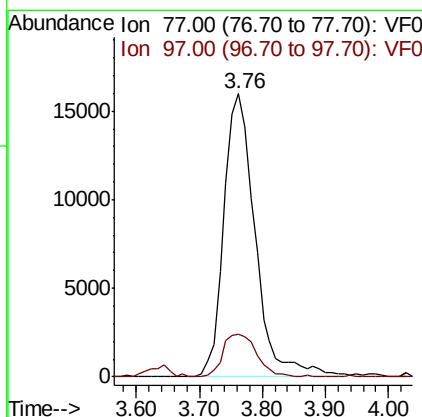
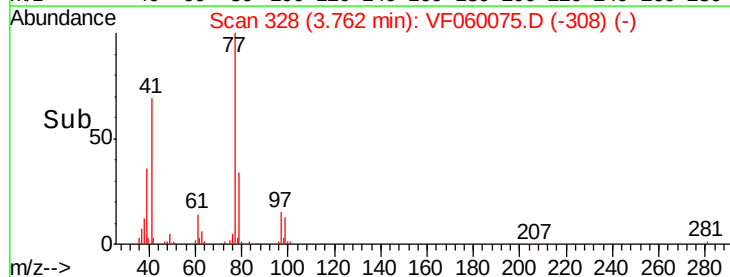
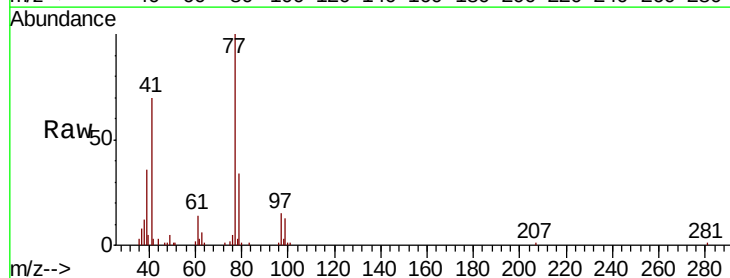
Acq: 24 Aug 2018 3:15

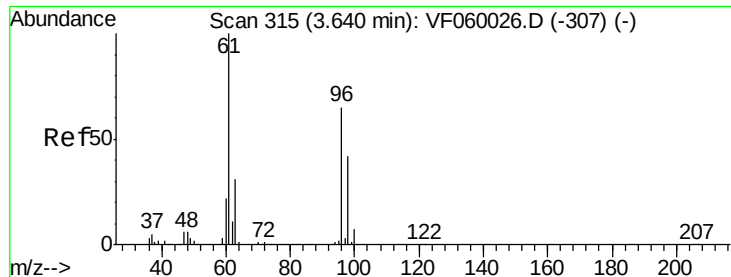
Tgt Ion: 77 Resp: 55144

Ion Ratio Lower Upper

77 100

97 15.1 9.7 29.1





#27

cis-1,2-Dichloroethene

Concen: 21.96 ug/l

RT: 3.63 min Scan# 315

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

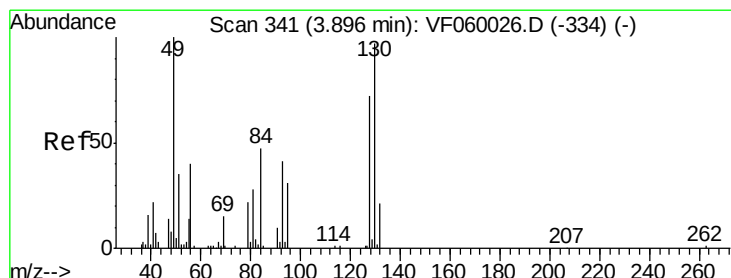
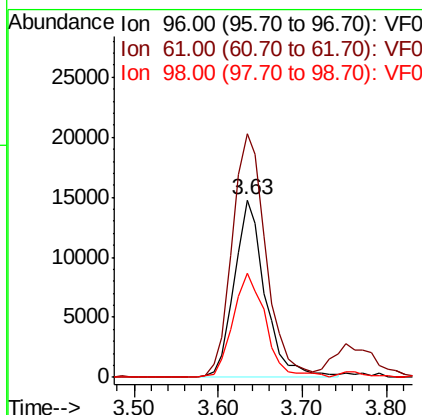
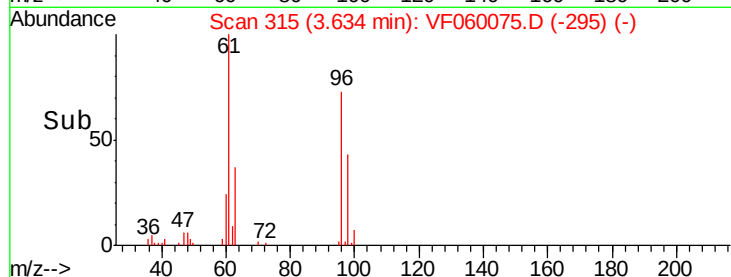
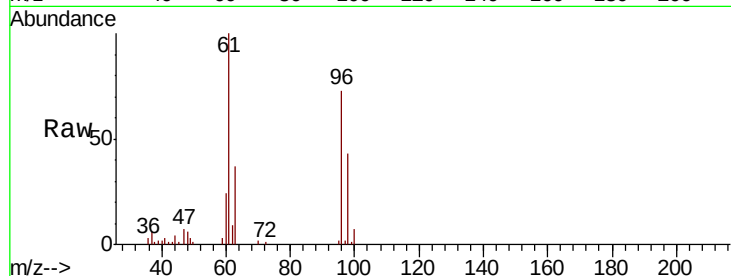
ClientSampleId :

VF0823SBS02

Tot Ion:	96	Resp:	37871
Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	307.6
98	58.7	0.0	128.4

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#28

Bromochloromethane

Concen: 25.41 ug/l

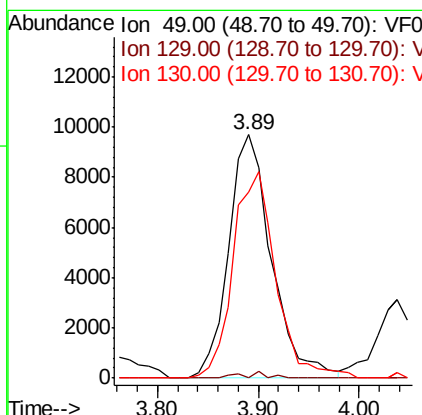
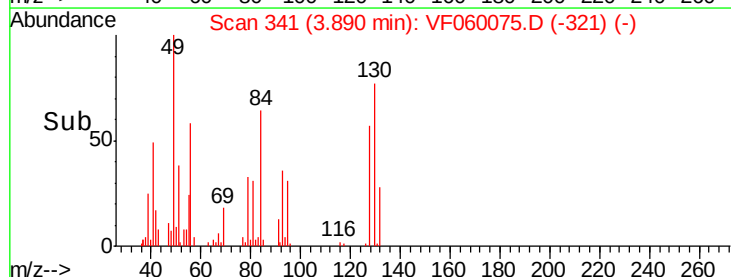
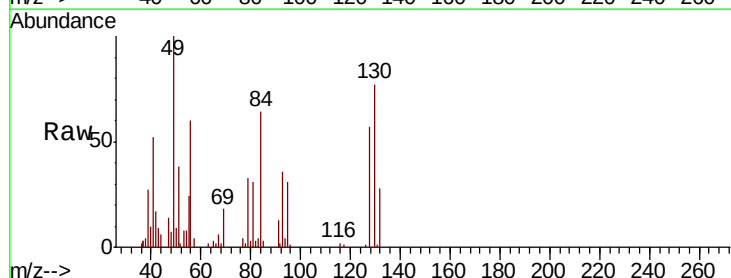
RT: 3.89 min Scan# 341

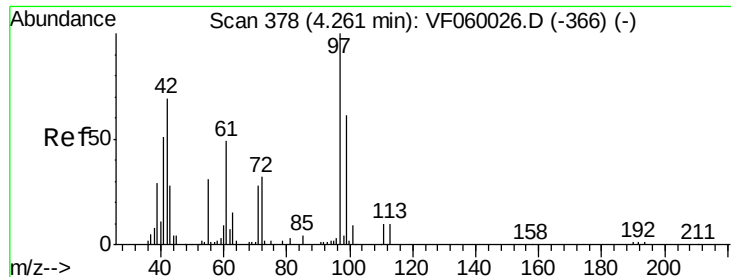
Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion:	49	Resp:	28666
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.4
130	76.6	78.0	117.0#





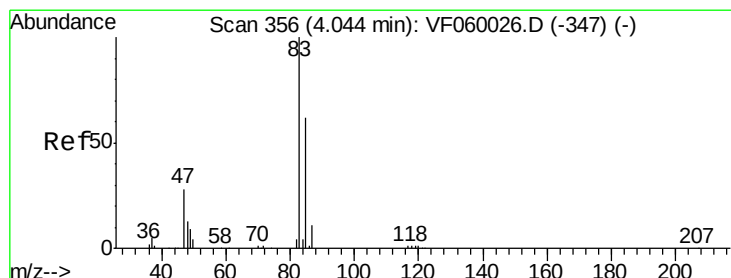
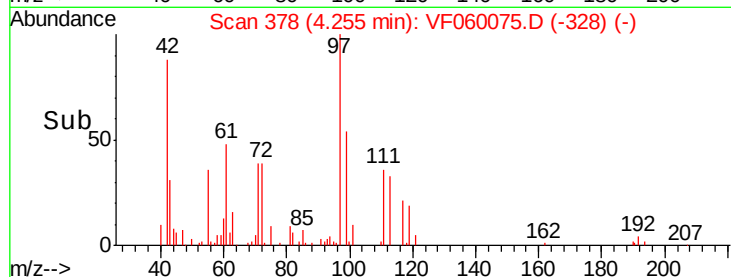
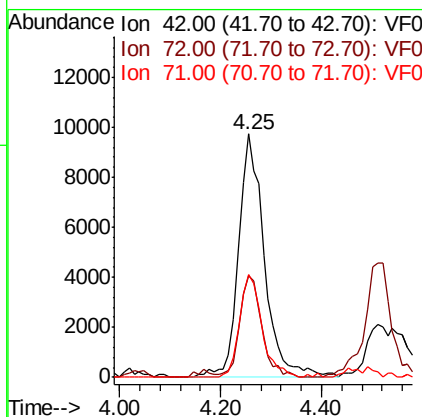
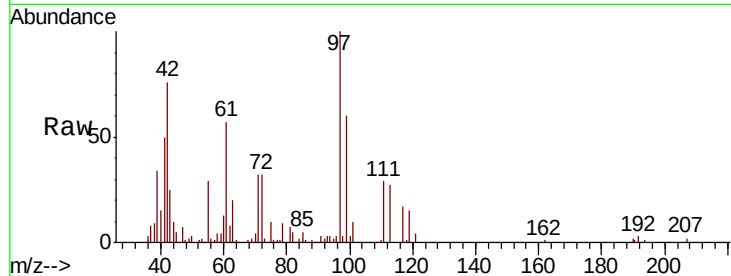
#29
Tetrahydrofuran
Concen: 114.19 ug/l
RT: 4.25 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	31.4	47.2
71	36.3	29.7	44.5

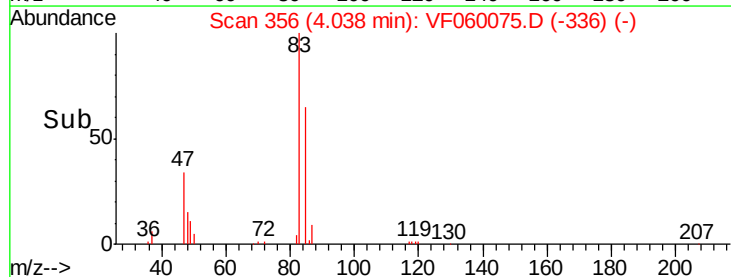
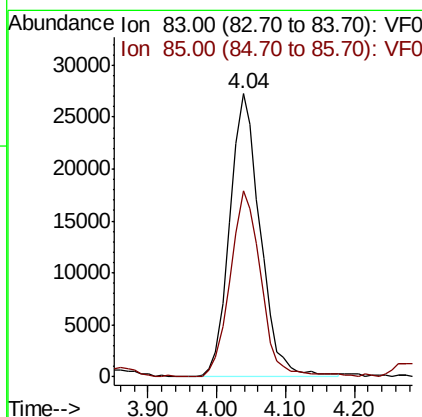
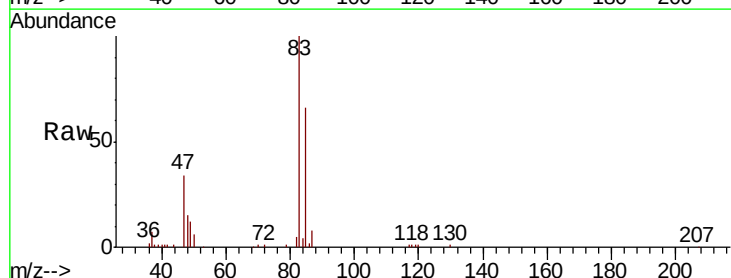
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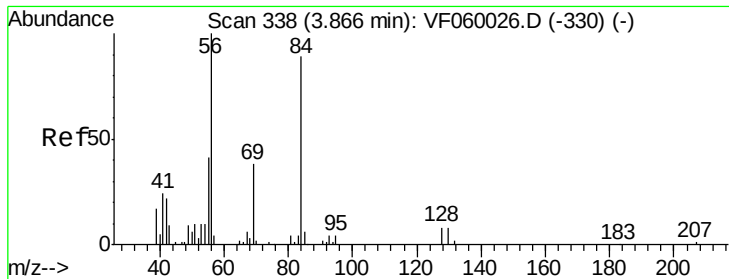
MMDadoda
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#30
Chloroform
Concen: 22.31 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	49.5	74.3





#31

Cyclohexane

Concen: 22.02 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

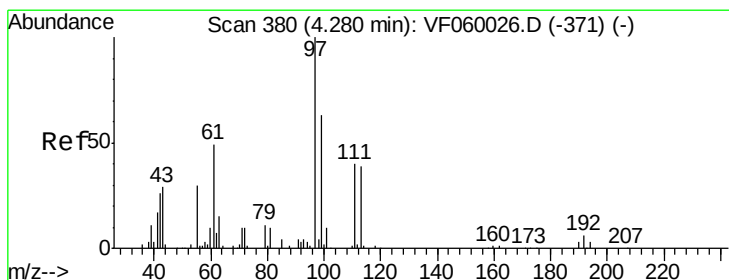
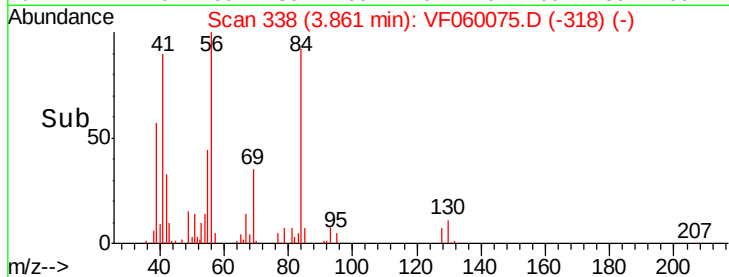
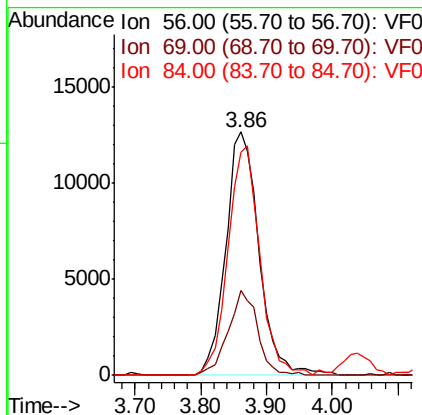
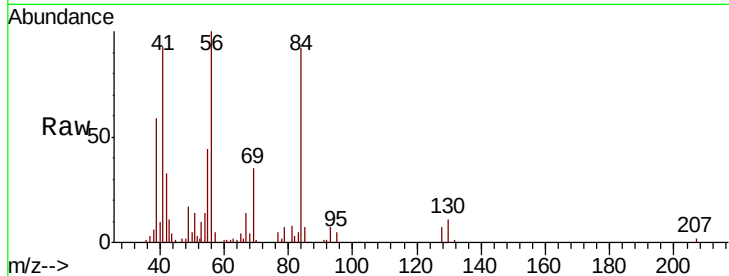
ClientSampleId :

VF0823SBS02

Tot Ion:	56	Resp:	44832
Ion Ratio	Lower	Upper	
56	100		
69	35.1	30.4	45.6
84	91.7	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 24.00 ug/l

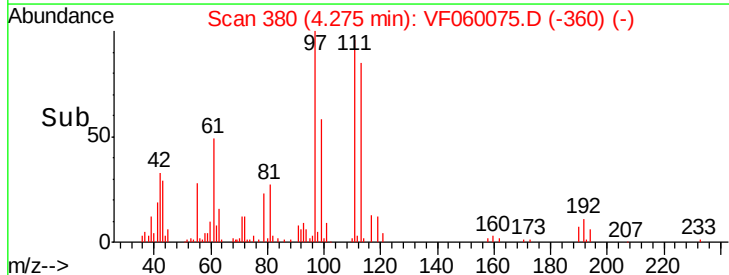
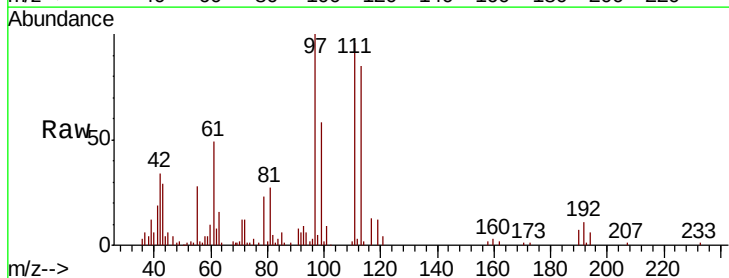
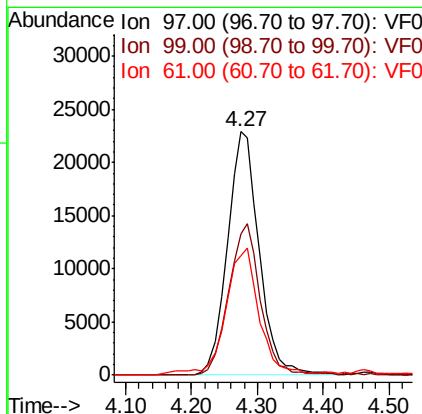
RT: 4.27 min Scan# 380

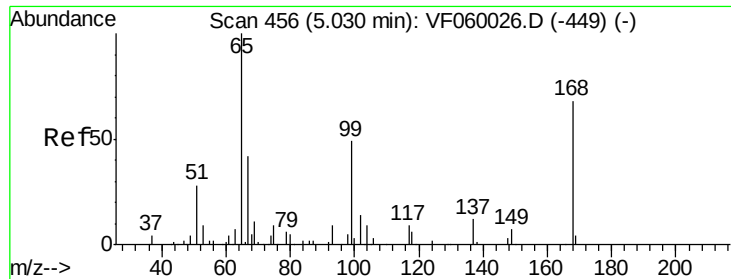
Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion:	97	Resp:	77084
Ion Ratio	Lower	Upper	
97	100		
99	57.9	50.3	75.5
61	49.0	40.3	60.5





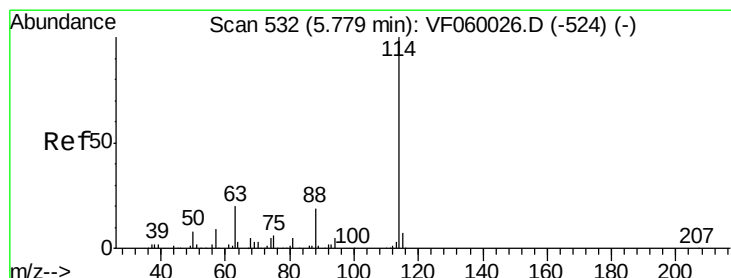
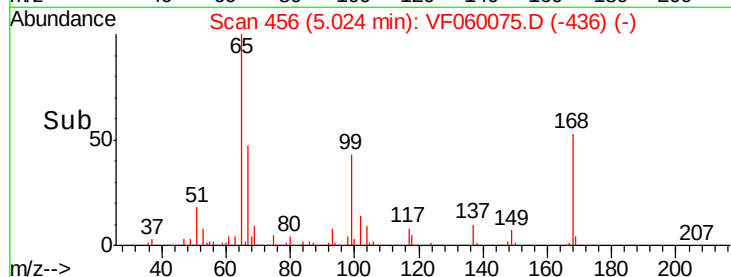
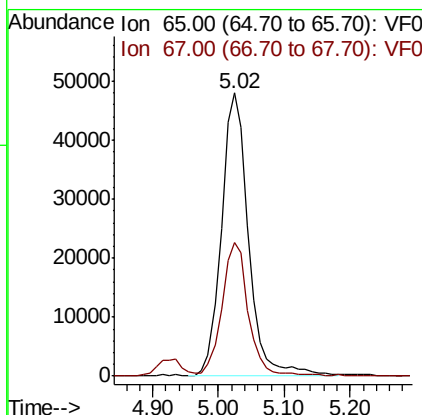
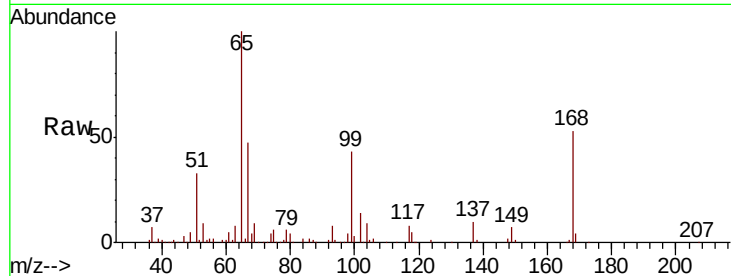
#33
 1,2-Dichloroethane-d4
 Concen: 58.96 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138076		
67	47.1	0.0	92.0	

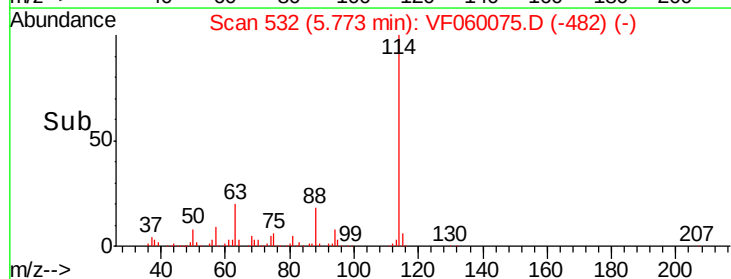
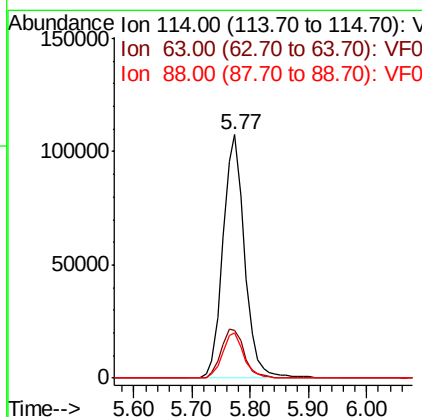
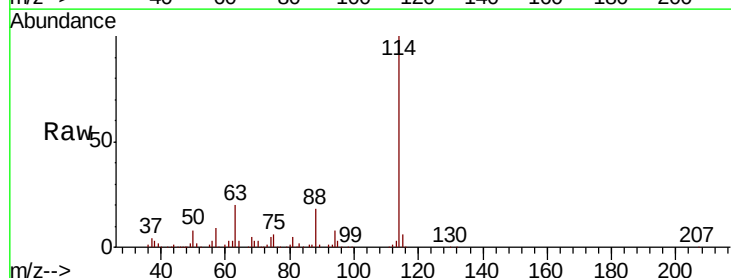
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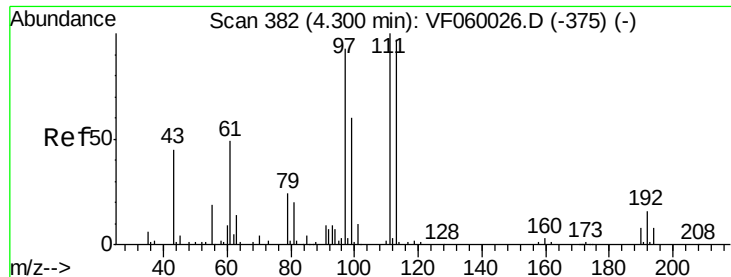
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	277596		
63	19.7	0.0	40.4	
88	18.4	0.0	38.6	





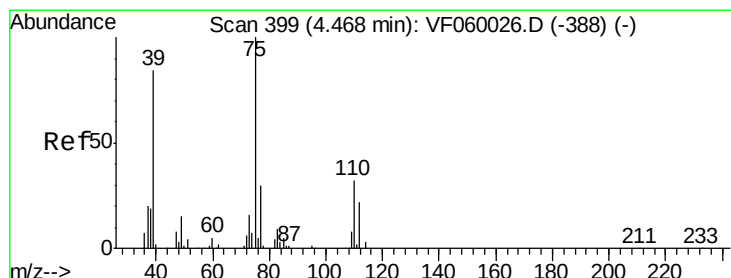
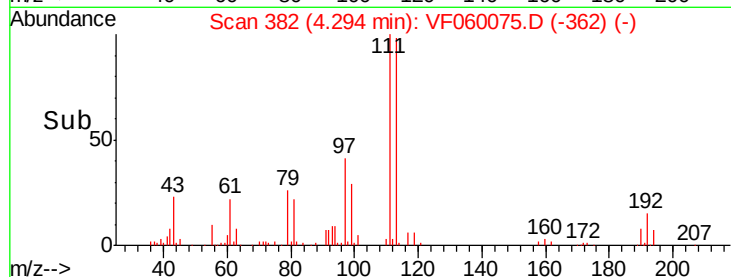
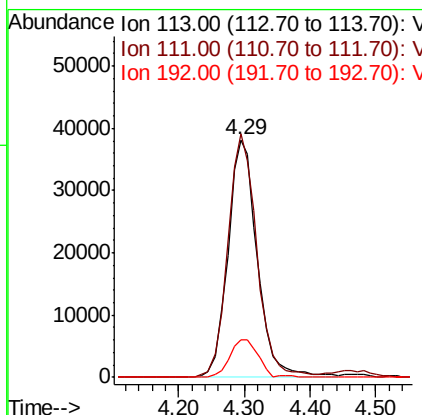
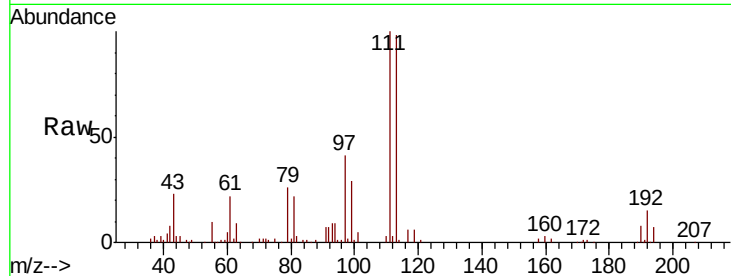
#35
 Dibromofluoromethane
 Concen: 54.66 ug/l
 RT: 4.29 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	119154		
111	102.4	82.7	124.1	
192	15.7	13.0	19.4	

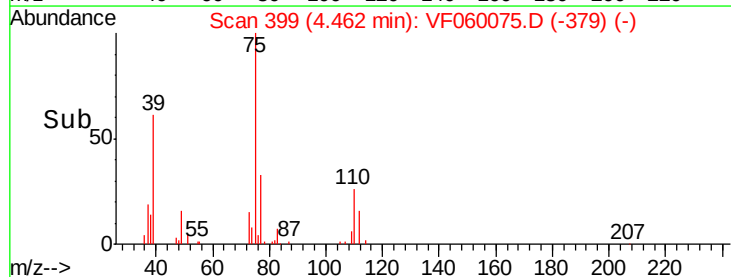
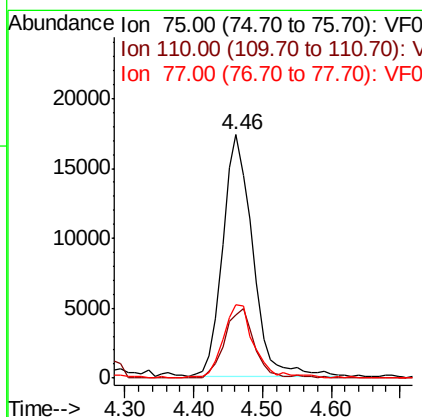
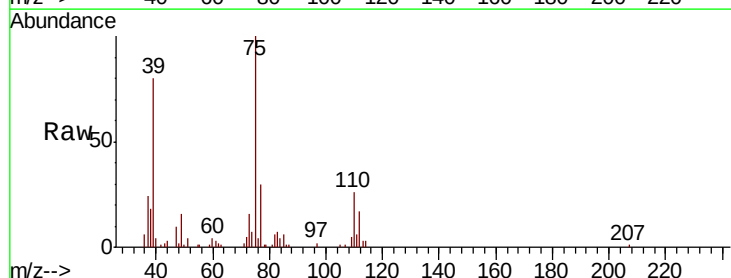
Manual Integrations
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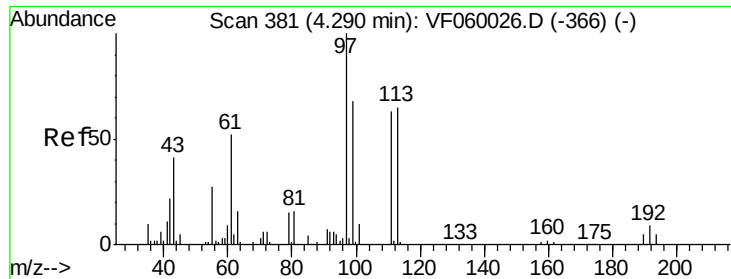
MMDadoda
 8/24/2018 4:13:22 PM



#36
 1,1-Dichloropropene
 Concen: 19.95 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52033		
110	26.0	16.0	47.9	
77	30.1	24.1	36.1	





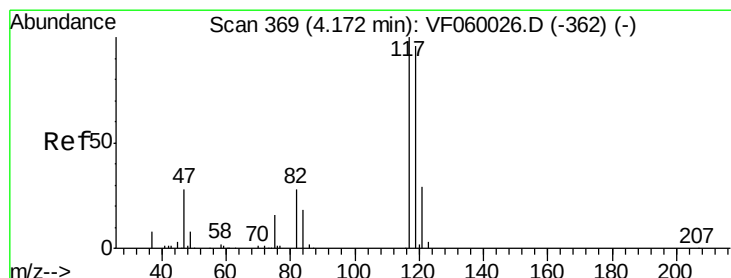
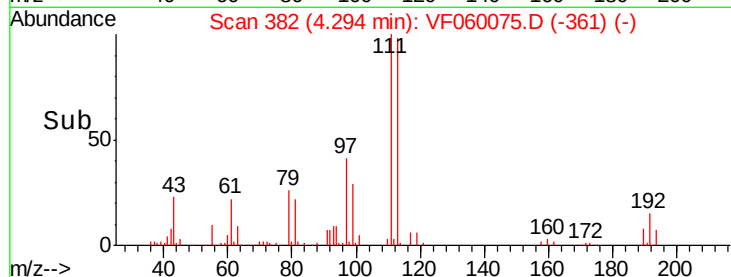
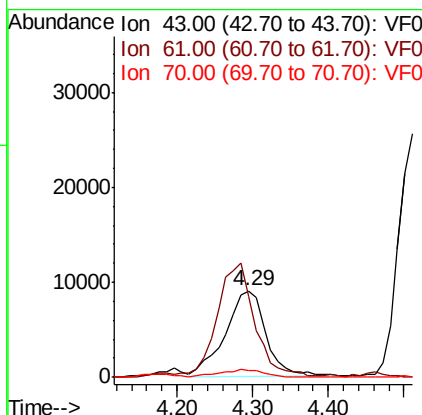
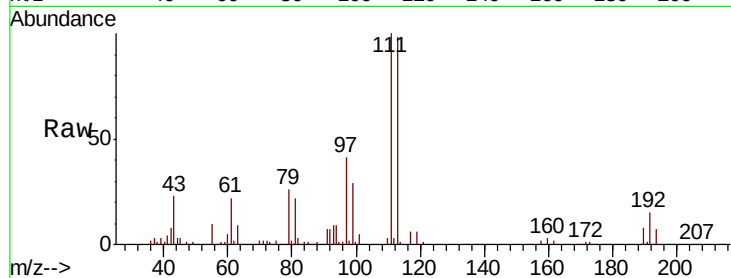
#37
Ethyl Acetate
Concen: 21.62 ug/l
RT: 4.29 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	93.3	101.5	152.3#
70	7.3	6.4	9.6

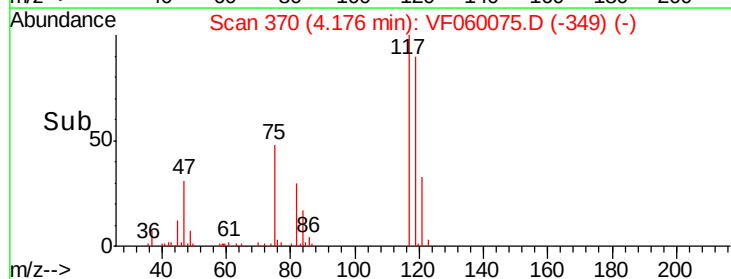
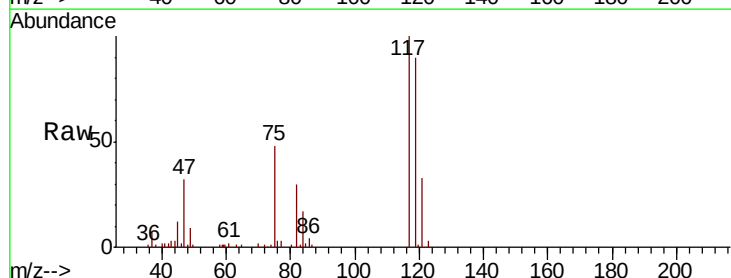
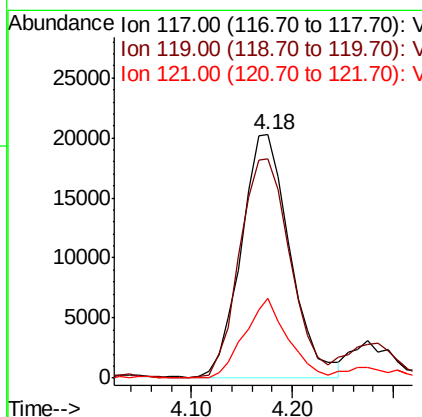
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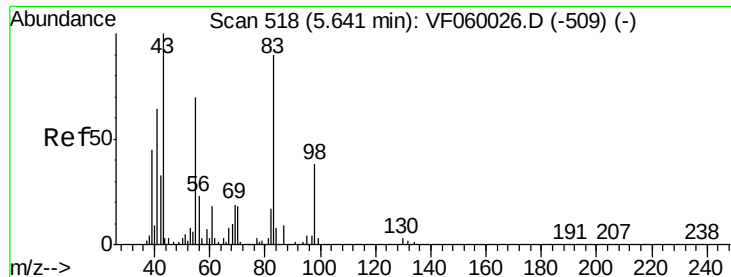
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.64 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.0	76.5	114.7
121	32.8	23.0	34.6





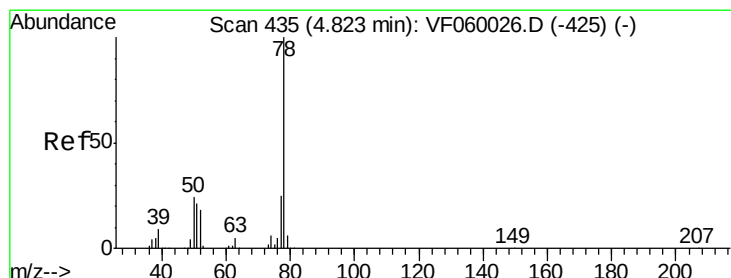
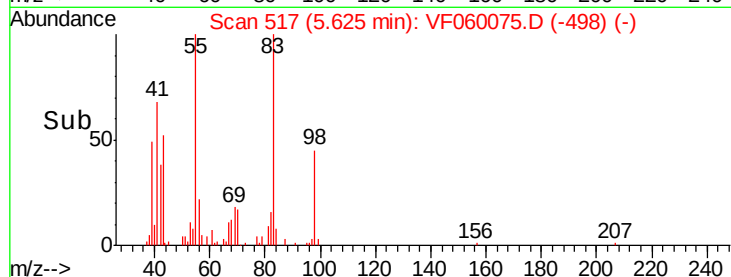
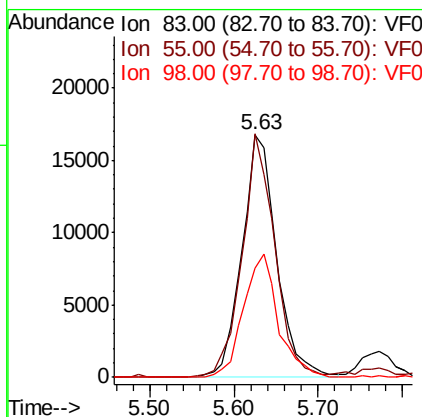
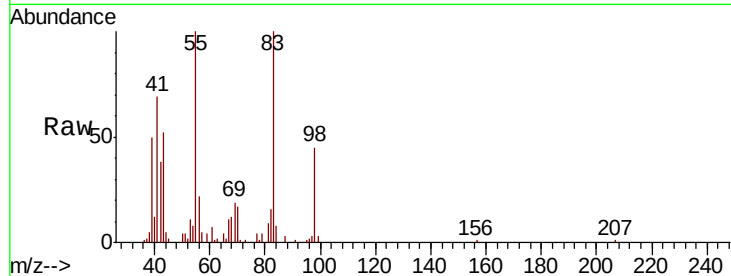
#39
Methylvlcyclohexane
Concen: 19.81 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	100.4	62.7	94.1#
98	45.2	33.8	50.8

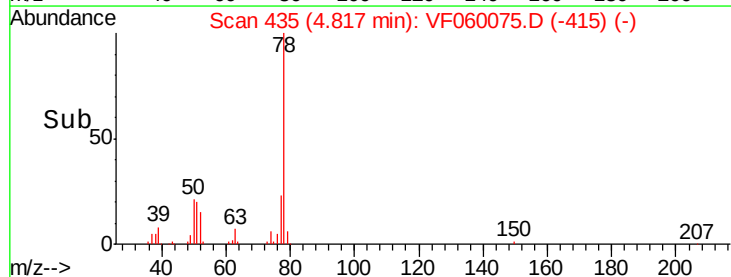
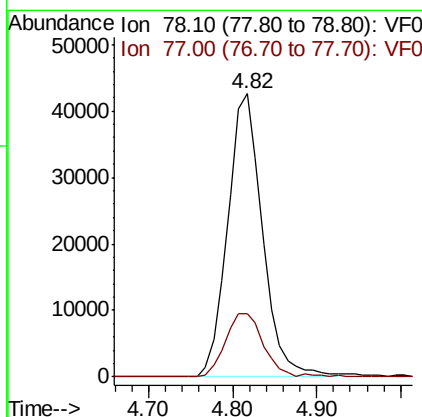
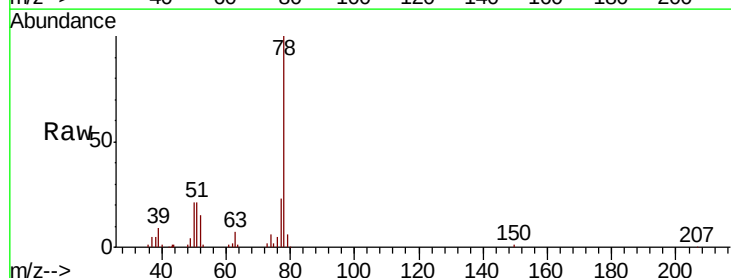
Manual Integrations
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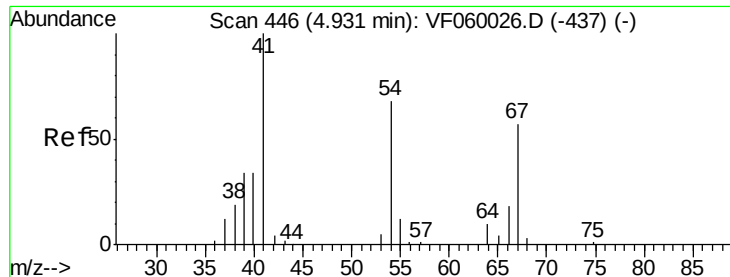
MMDadoda
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#40
Benzene
Concen: 21.50 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.8	29.6





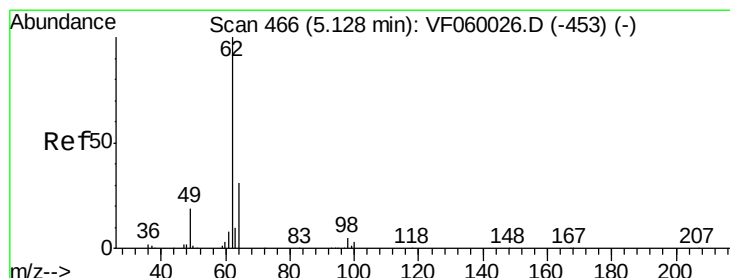
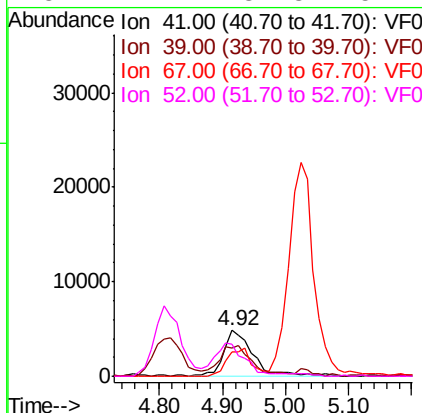
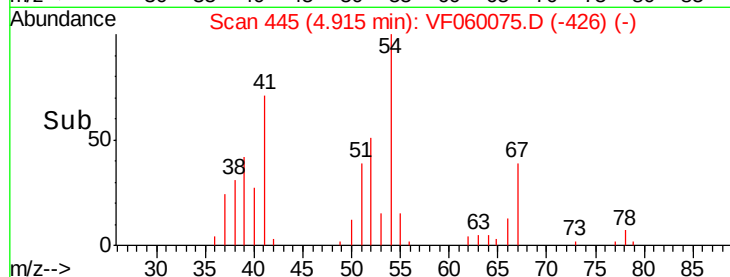
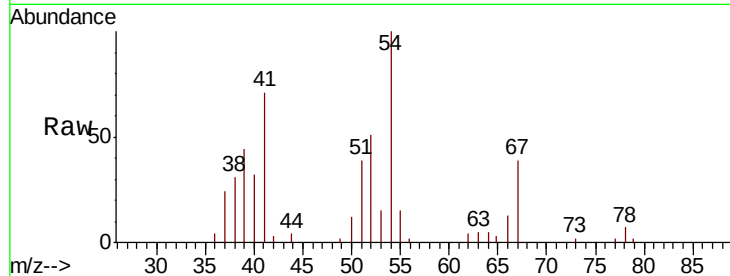
#41
Methacrylonitrile
Concen: 19.85 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.02 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.7	52.9	79.3
67	54.0	45.3	67.9
52	71.2	34.8	52.2#

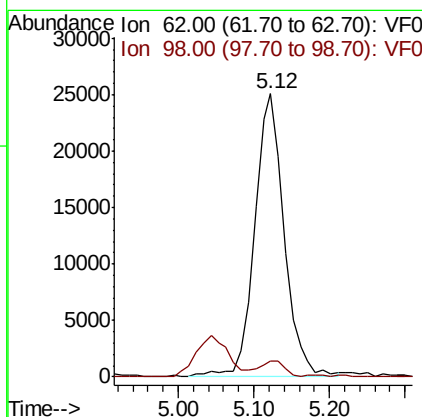
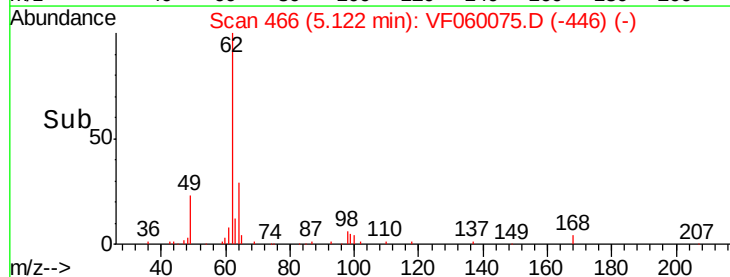
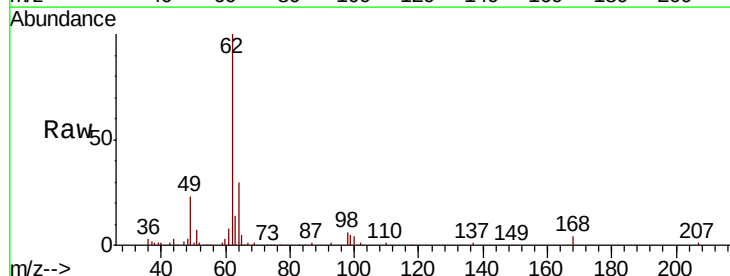
Manual Integrations
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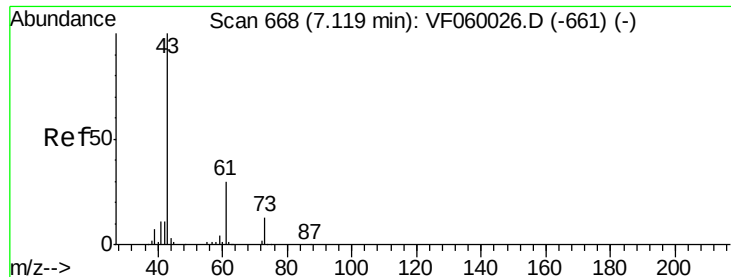
MMDadoda
8/24/2018 4:13:22 PM



#42
1,2-Dichloroethane
Concen: 22.35 ug/l
RT: 5.12 min Scan# 466
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.8	0.0	11.2





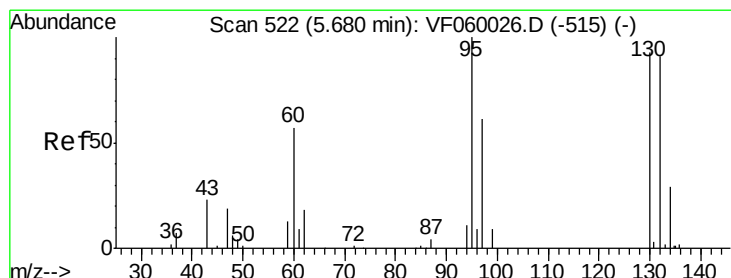
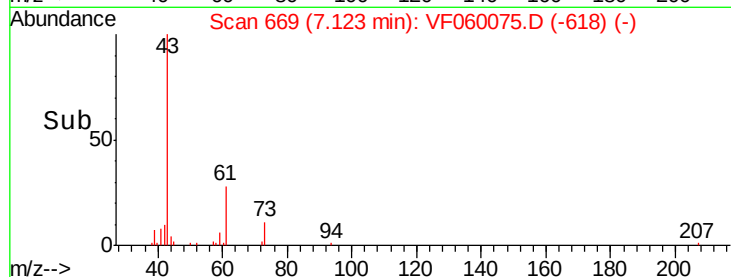
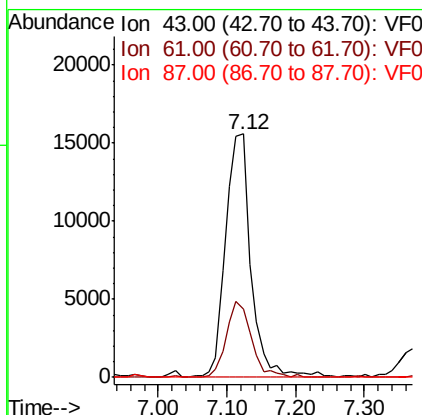
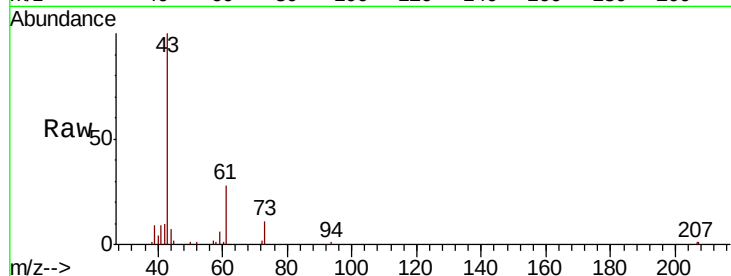
#43
Isopropyl Acetate
Concen: 20.35 ug/l
RT: 7.12 min Scan# 669
Delta R.T. 0.00 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	23.8	35.6
87	0.0	0.2	0.4

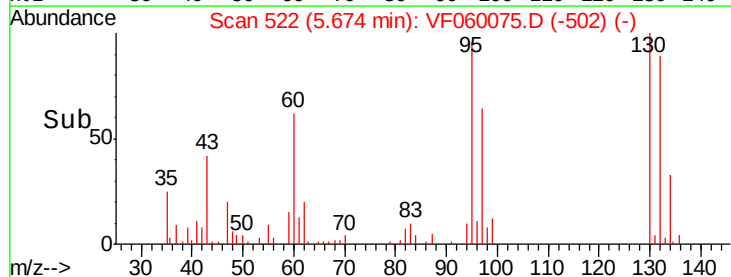
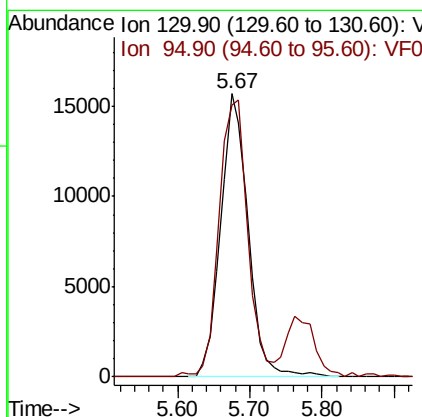
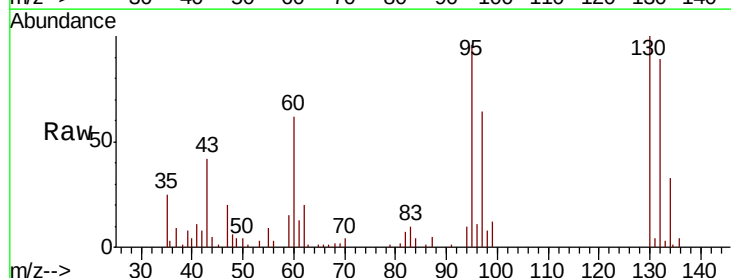
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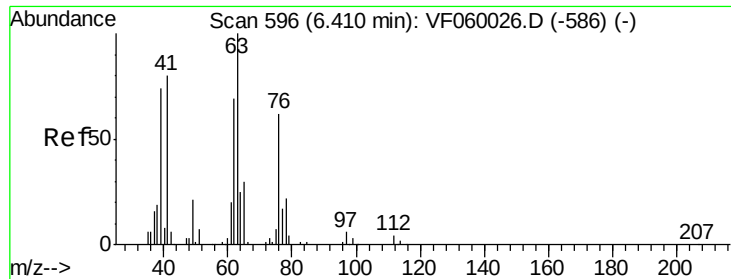
MMDadoda
8/24/2018 4:13:22 PM



#44
Trichloroethene
Concen: 21.91 ug/l
RT: 5.67 min Scan# 522
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	215.8





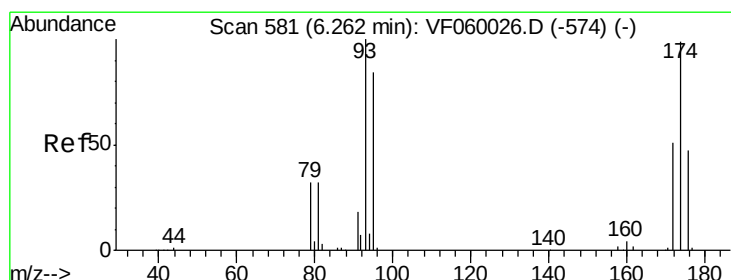
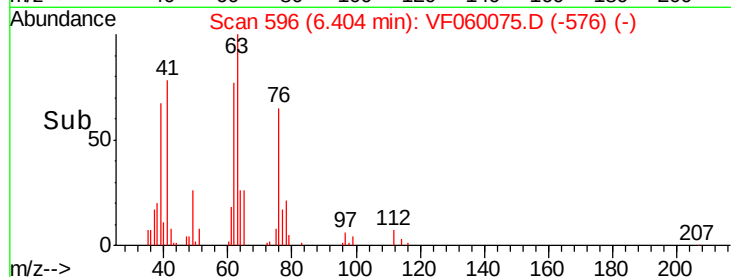
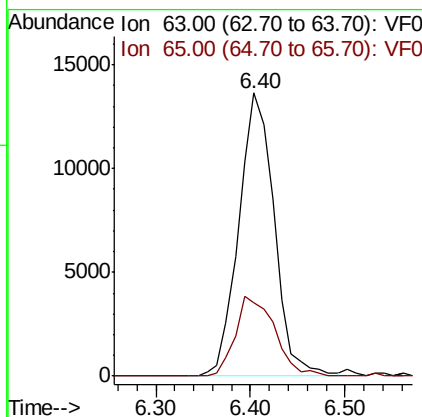
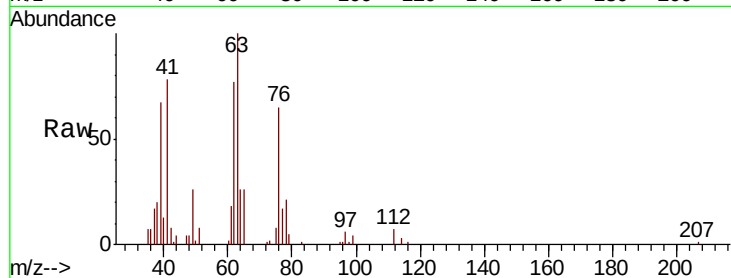
#45
 1,2-Dichloropropane
 Concen: 22.04 ug/l
 RT: 6.40 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS02

Tot Ion: 63 Resp: 35524
 Ion Ratio Lower Upper
 63 100
 65 25.9 23.8 35.6

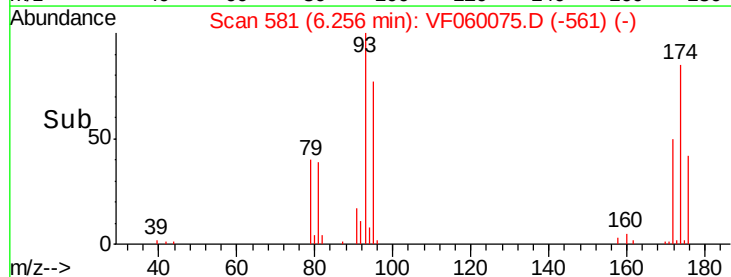
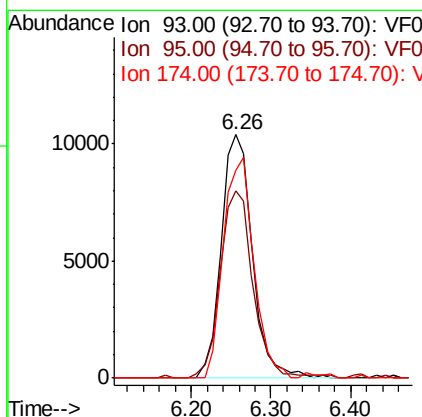
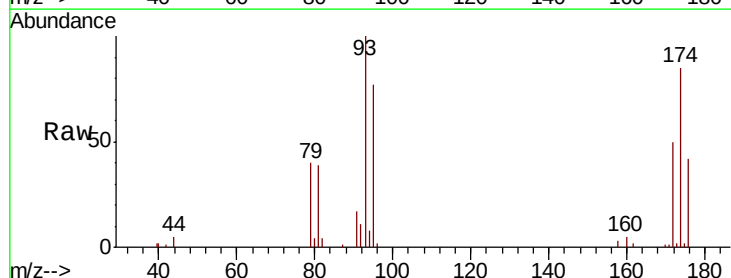
Manual Integrations
 APPROVED

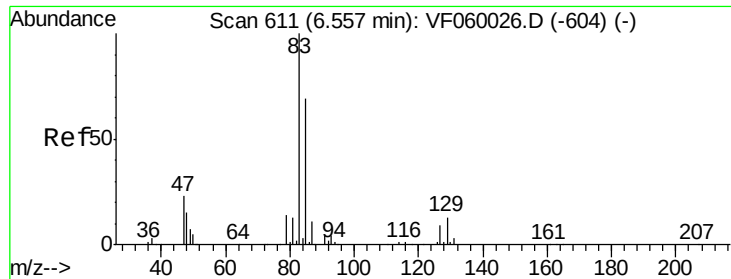
MMDadoda
 8/24/2018 4:13:22 PM



#46
 Dibromomethane
 Concen: 22.72 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Tgt Ion: 93 Resp: 28661
 Ion Ratio Lower Upper
 93 100
 95 77.0 67.1 100.7
 174 85.2 79.0 118.4





#47

Bromodichloromethane

Concen: 21.92 ug/l

RT: 6.55 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

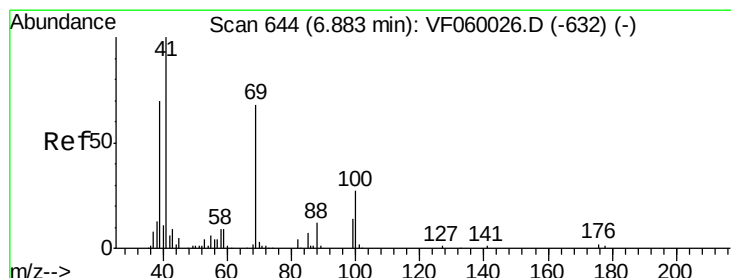
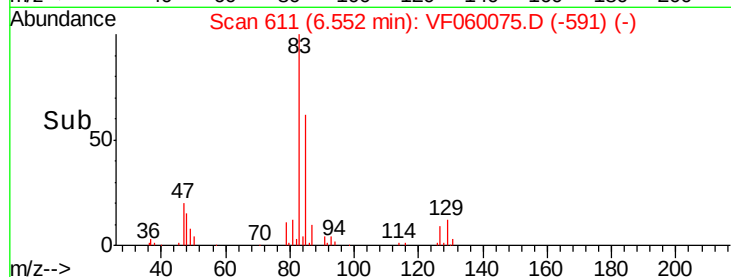
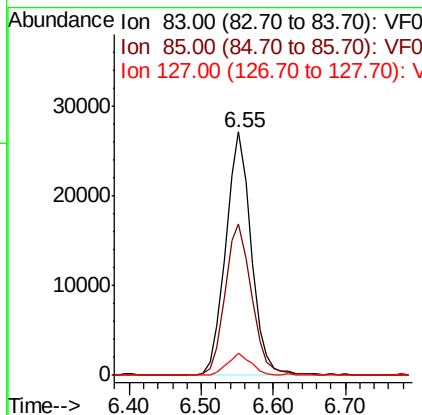
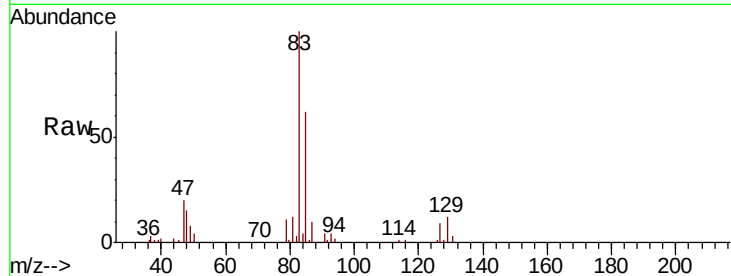
ClientSampleId :

VF0823SBS02

Tot Ion:	83	Resp:	66785
Ion Ratio	Lower	Upper	
83	100		
85	62.2	55.2	82.8
127	9.0	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.59 ug/l

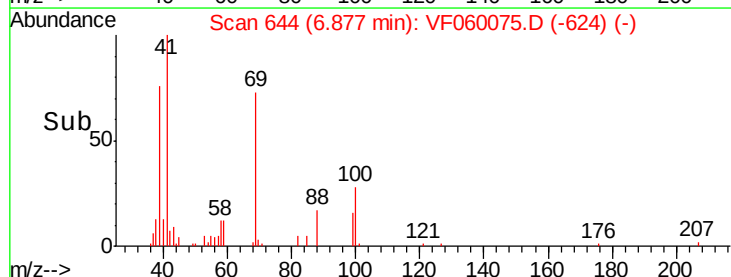
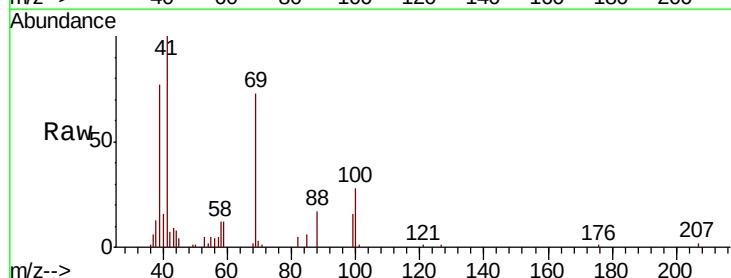
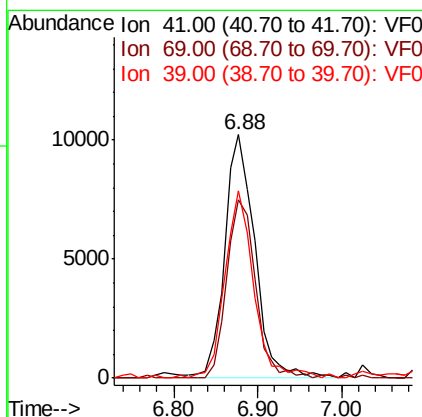
RT: 6.88 min Scan# 644

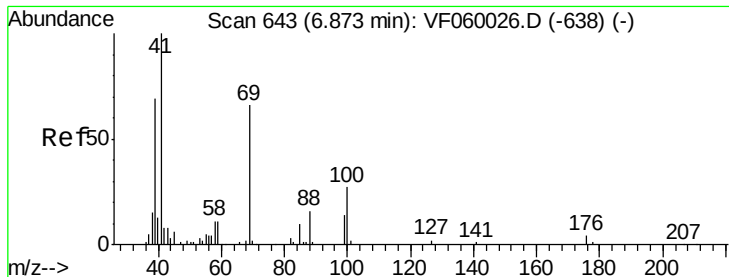
Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion:	41	Resp:	25450
Ion Ratio	Lower	Upper	
41	100		
69	73.2	54.6	81.8
39	76.9	56.5	84.7





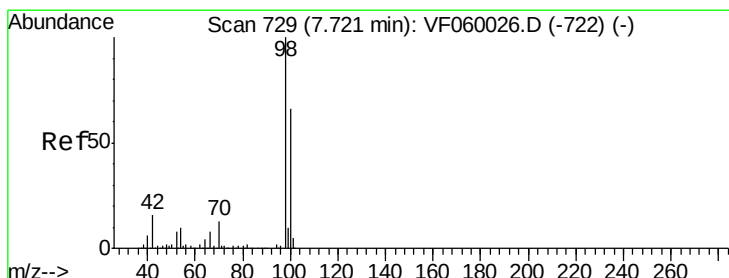
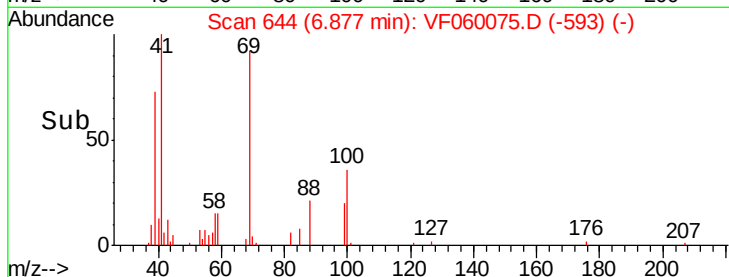
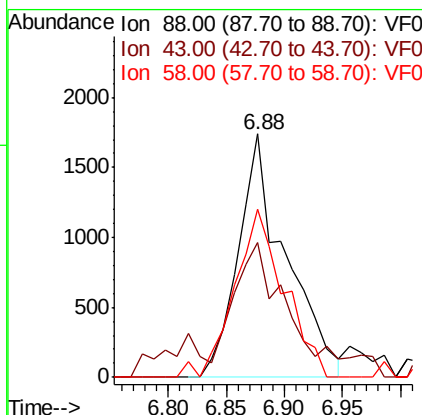
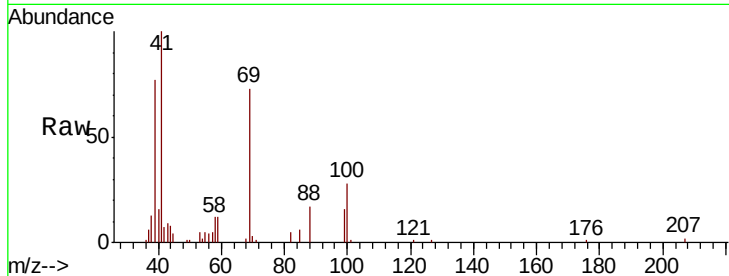
#49
1,4-Dioxane
Concen: 393.31 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.5	46.5	69.7
58	69.2	54.8	82.2

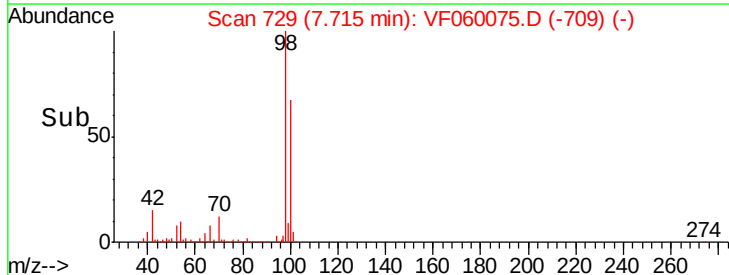
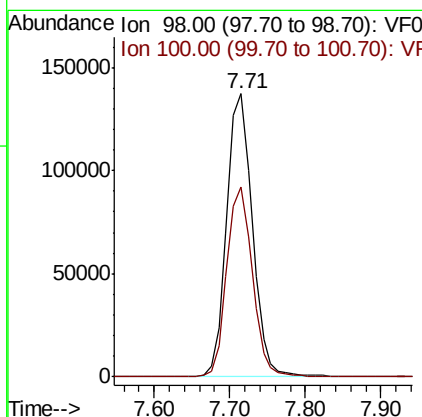
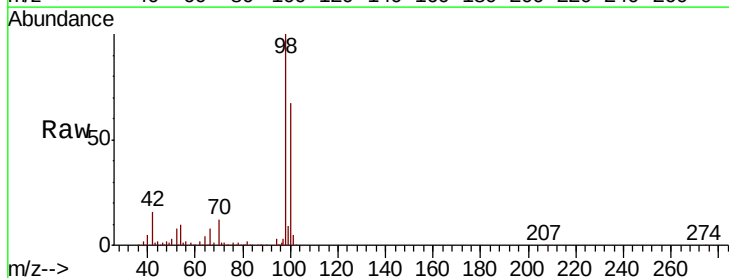
Manual Integrations
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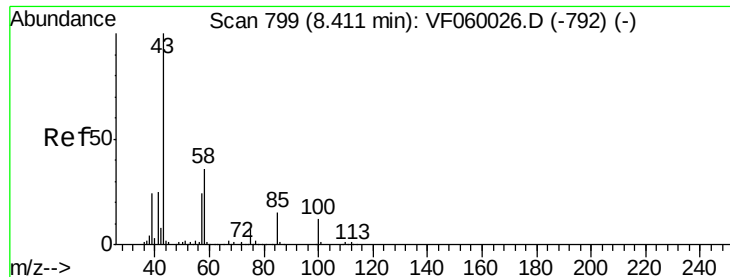
MMDadoda
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#50
Toluene-d8
Concen: 52.29 ug/l
RT: 7.71 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 115.60 ug/l

RT: 8.40 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS02

Tot Ion: 43 Resp: 196023

Ion Ratio Lower Upper

43 100

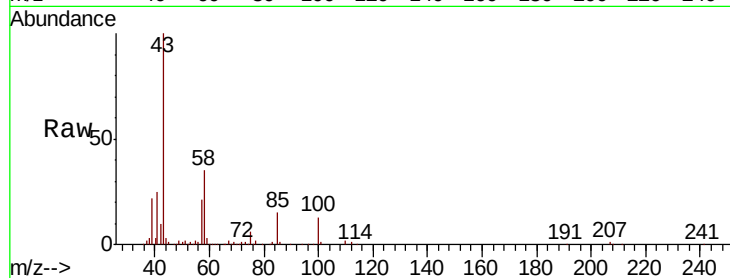
58 35.4 28.6 42.8

Manual Integrations

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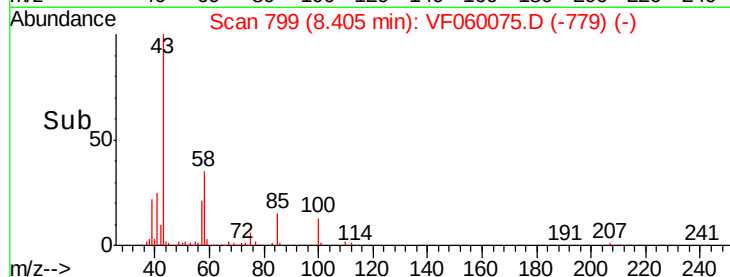


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

Time-->



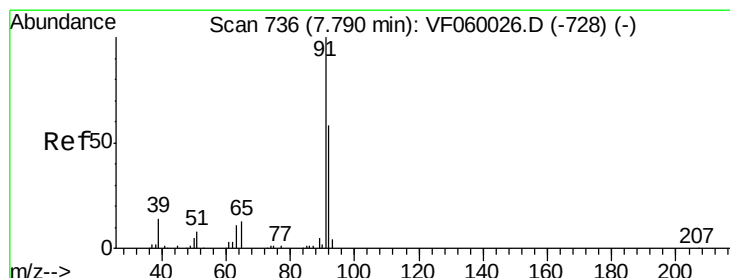
Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

Time-->



#52

Toluene

Concen: 22.19 ug/l

RT: 7.78 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF060075.D

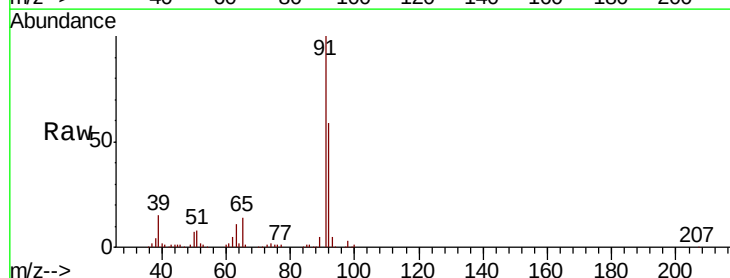
Acq: 24 Aug 2018 3:15

Tgt Ion: 92 Resp: 91364

Ion Ratio Lower Upper

92 100

91 169.7 137.7 206.5

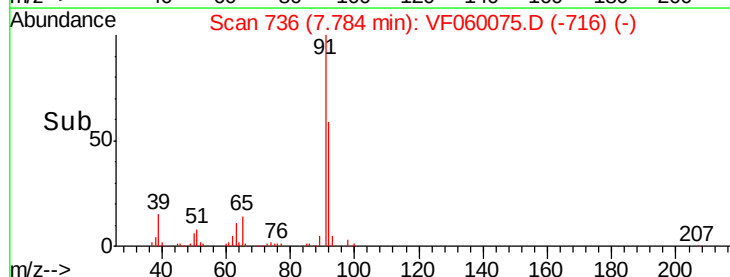


Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

Time-->



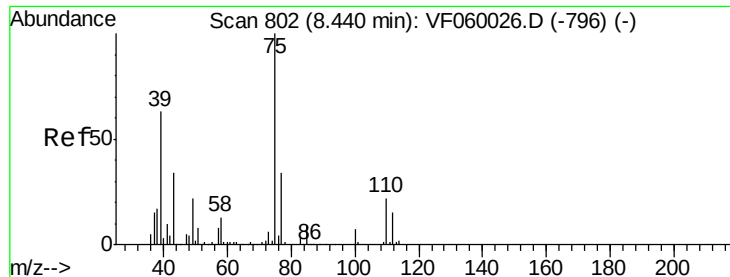
Abundance

Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

Time-->



#53

t-1,3-Dichloropropene

Concen: 21.90 ug/l

RT: 8.42 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS02

Tot Ion: 75 Resp: 60504

Ion Ratio Lower Upper

75 100

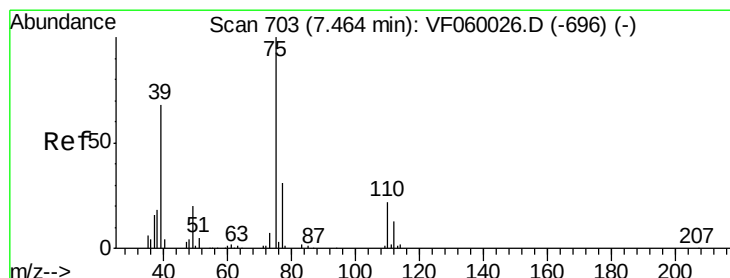
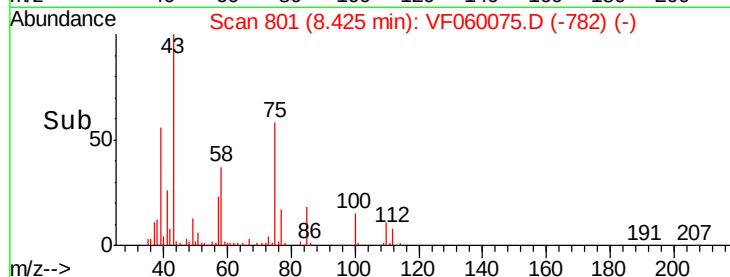
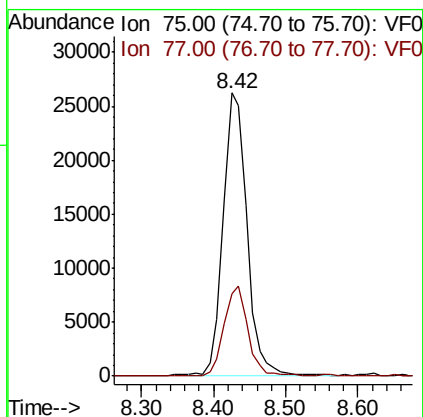
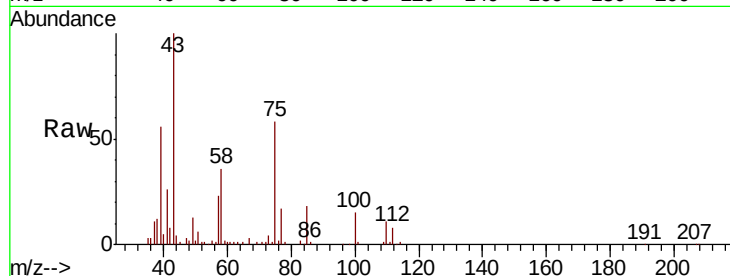
77 29.1 27.4 41.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.81 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

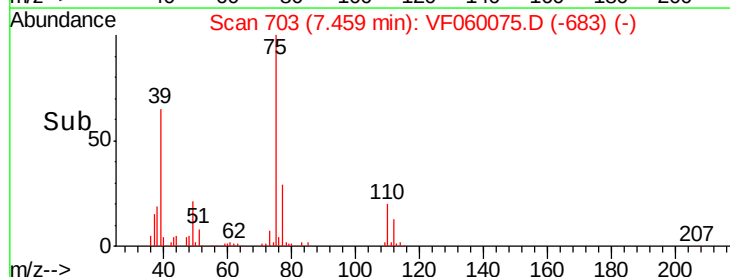
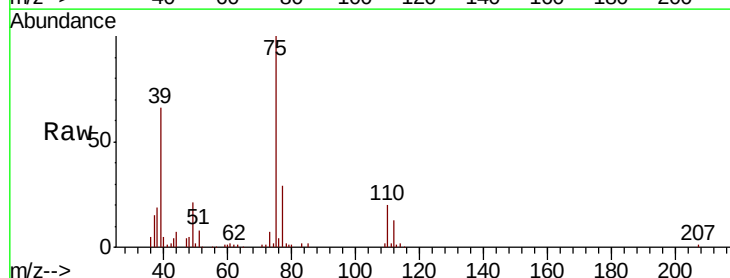
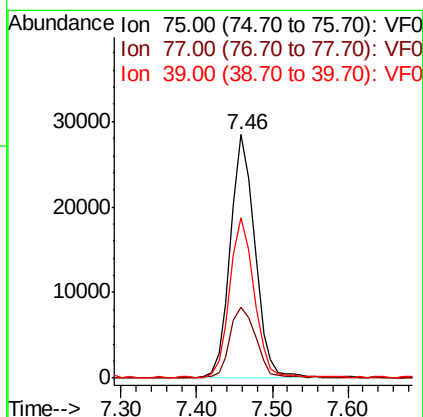
Tgt Ion: 75 Resp: 64163

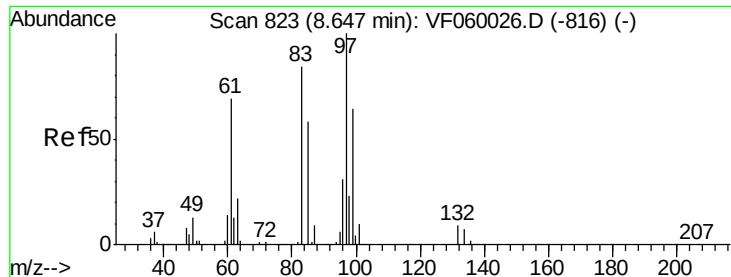
Ion Ratio Lower Upper

75 100

77 29.2 24.6 37.0

39 66.0 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 23.80 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

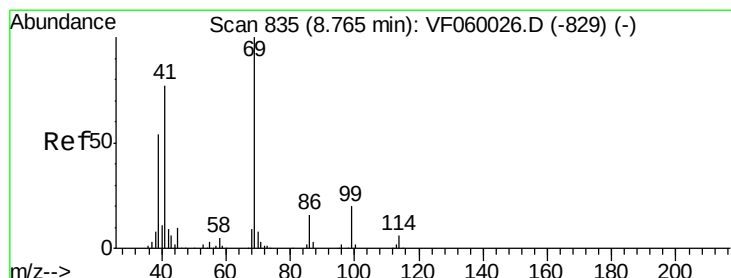
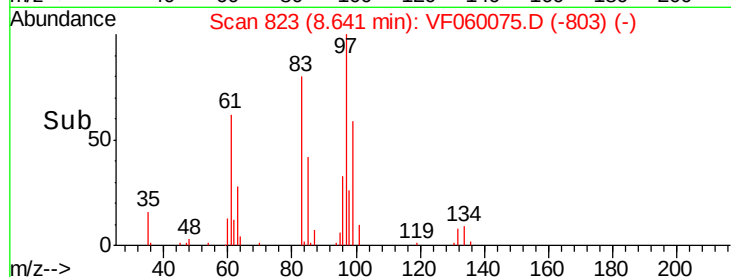
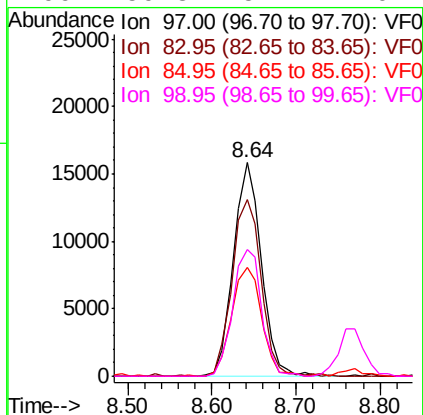
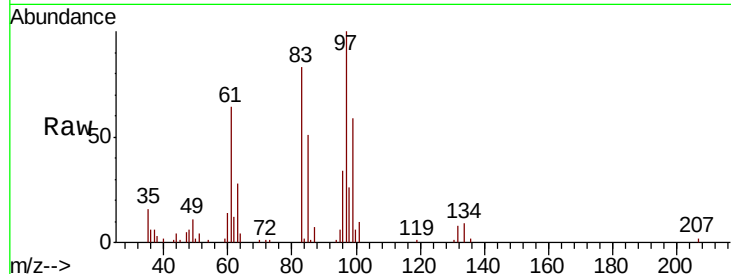
ClientSampleId :

VF0823SBS02

Tot Ion:	97	Resp:	36603
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.4	101.2
85	51.1	46.2	69.2
99	59.3	51.1	76.7

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#56

Ethyl methacrylate

Concen: 20.88 ug/l

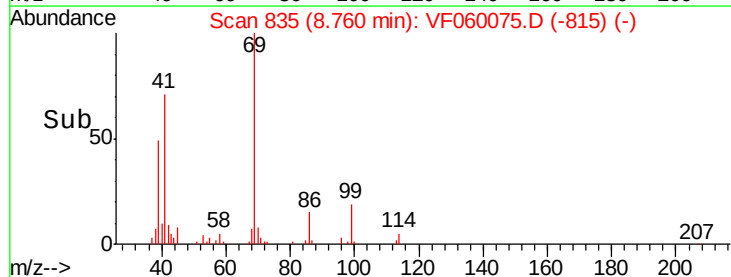
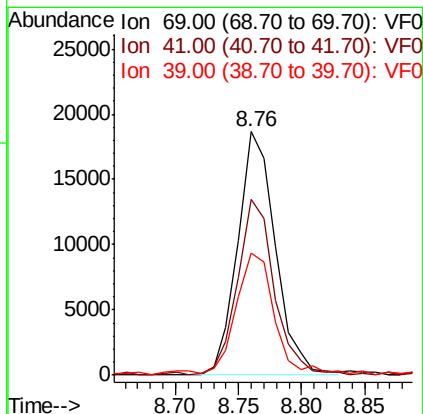
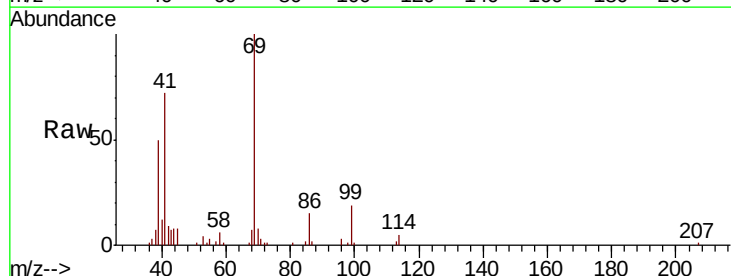
RT: 8.76 min Scan# 835

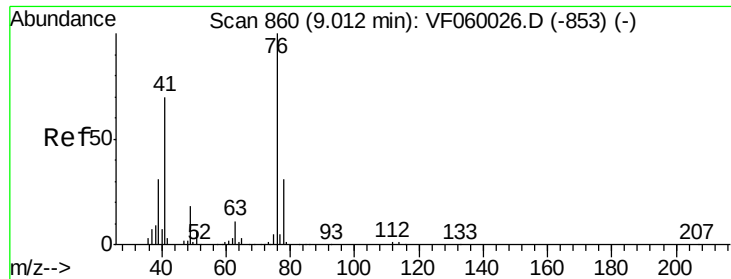
Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion:	69	Resp:	38860
Ion	Ratio	Lower	Upper
69	100		
41	72.0	61.6	92.4
39	49.9	43.9	65.9





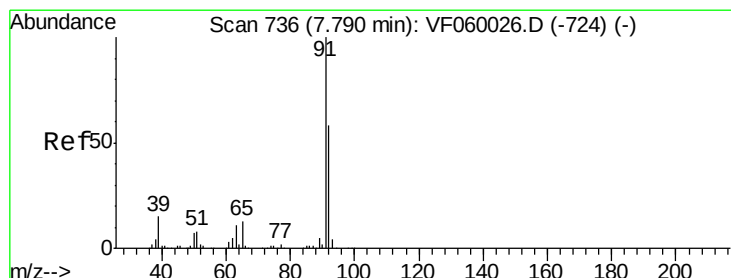
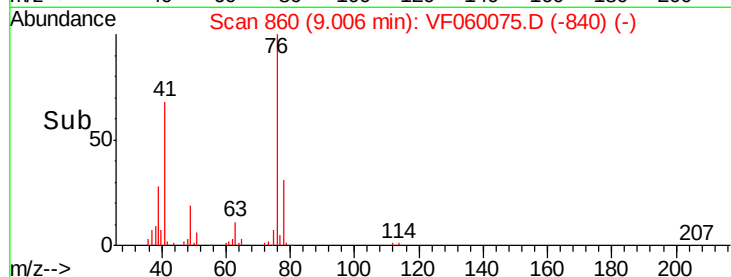
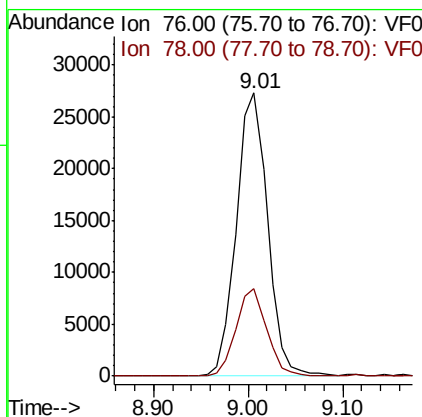
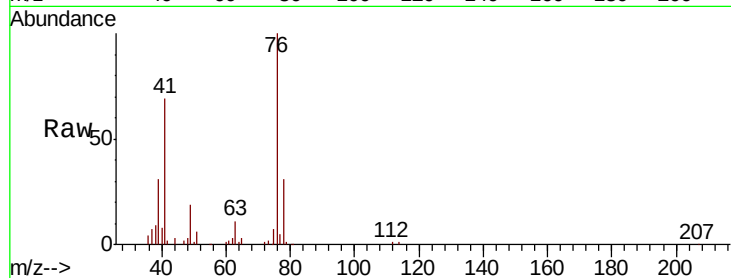
#57
 1,3-Dichloropropane
 Concen: 23.17 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.0	25.2	37.8

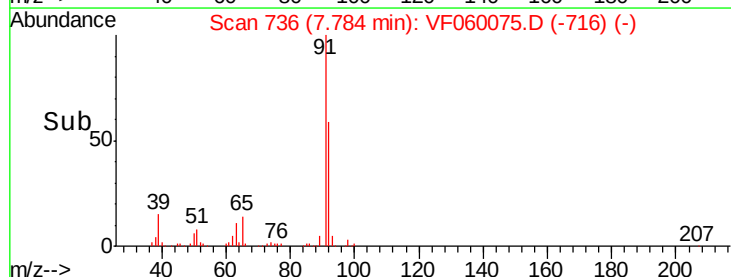
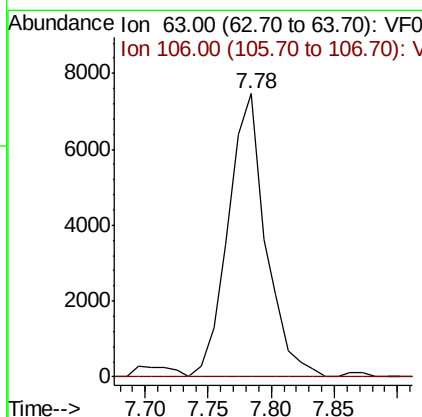
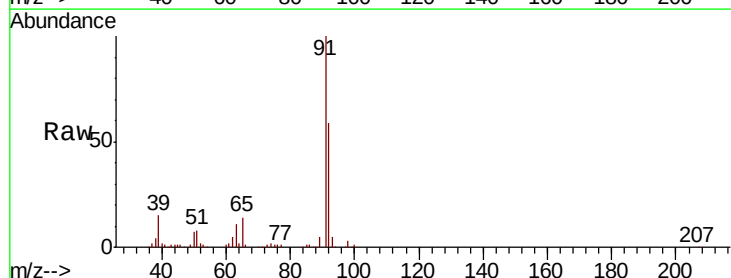
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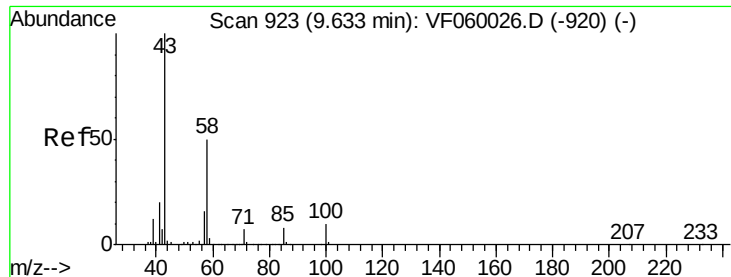
MMDadoda
 8/24/2018 4:13:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.13 ug/l
 RT: 7.78 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





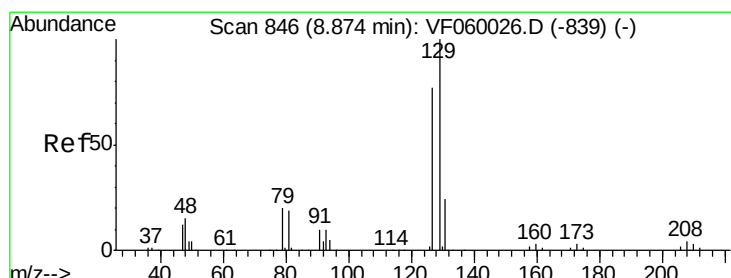
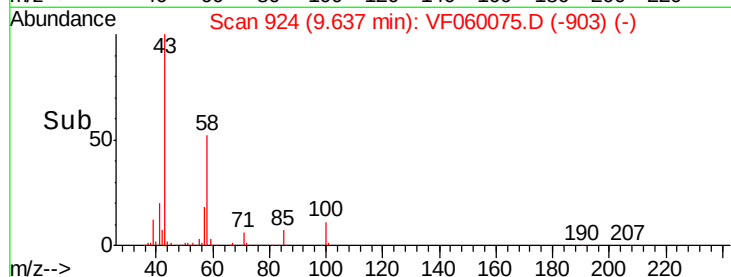
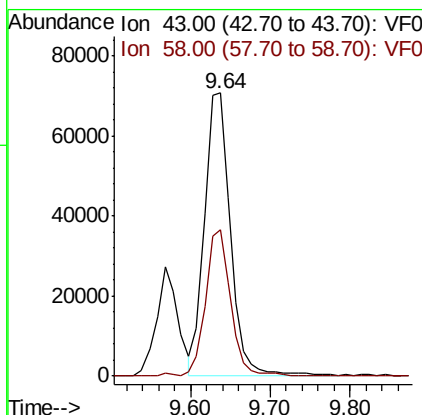
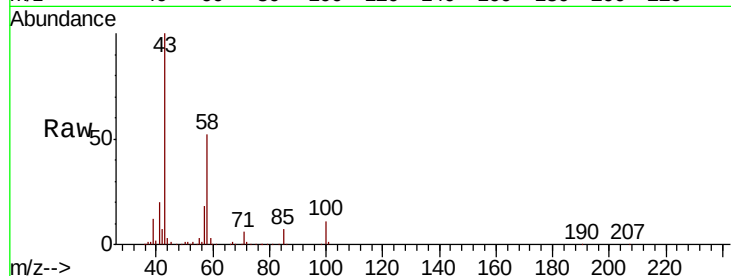
#59
2-Hexanone
Concen: 116.68 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	23.4	70.2

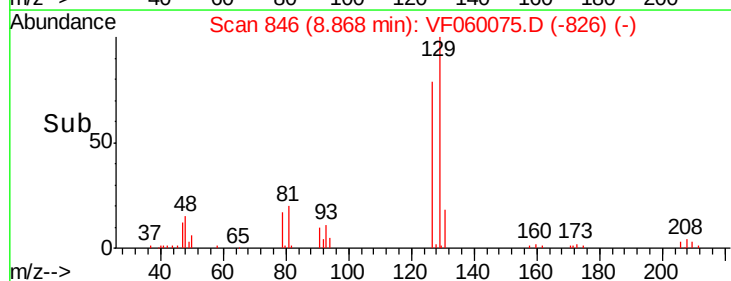
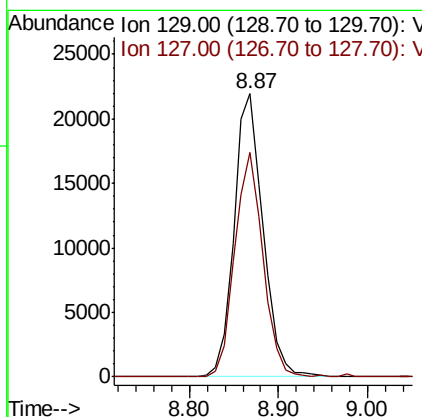
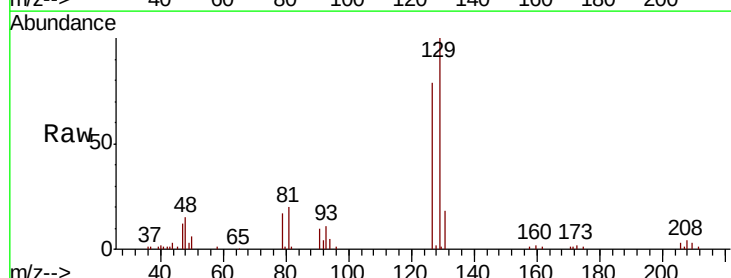
Manual Integrations
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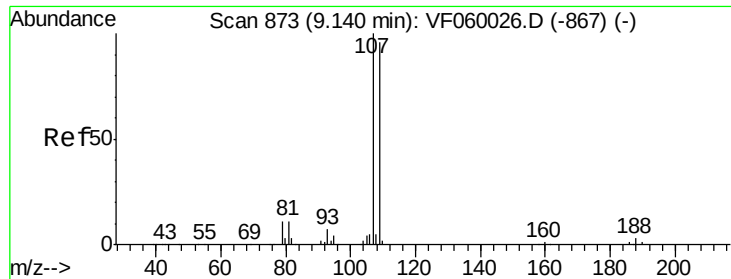
MMDadoda
8/24/2018 4:13:22 PM



#60
Dibromochloromethane
Concen: 21.88 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.8





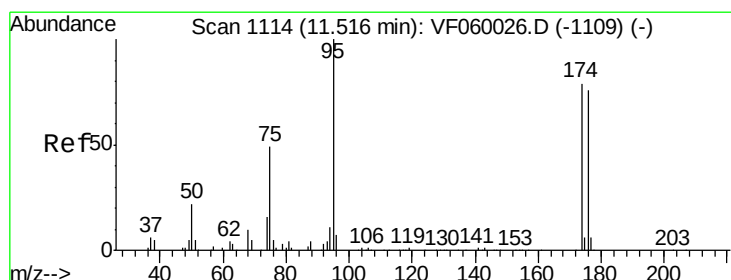
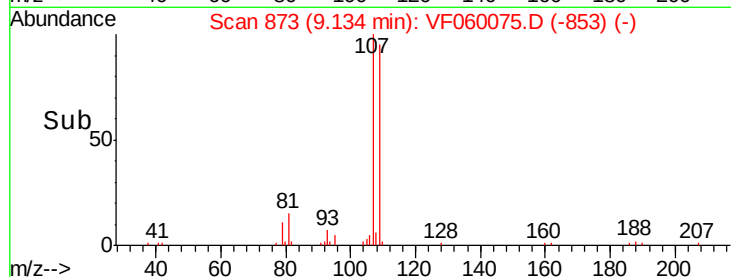
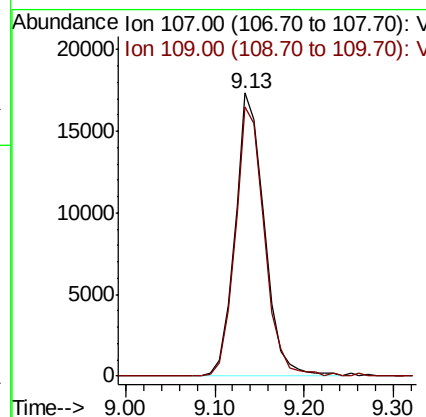
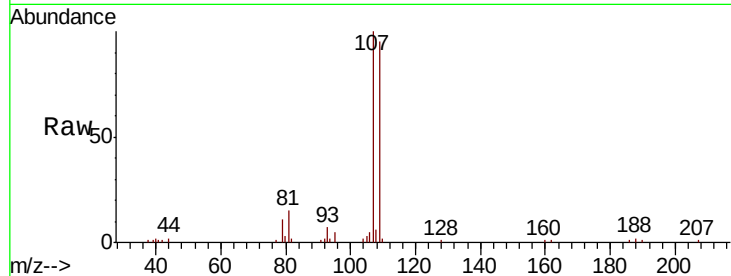
#61
 1,2-Dibromoethane
 Concen: 22.00 ug/l
 RT: 9.13 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.5	114.7

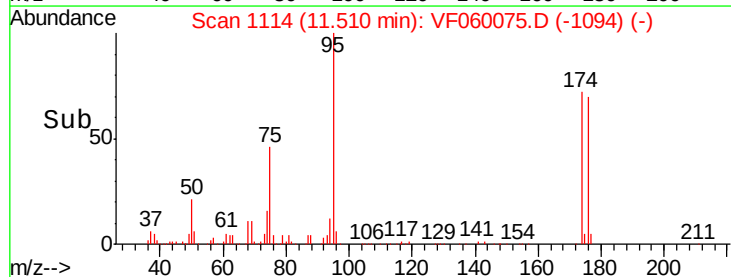
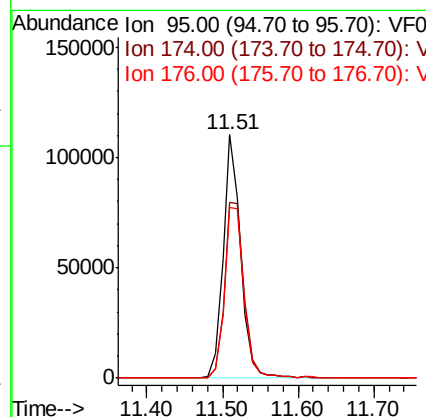
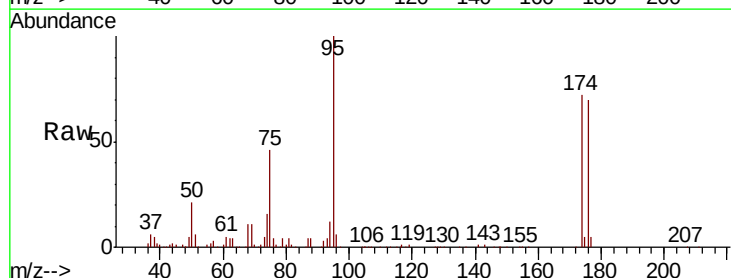
Manual Integrations
 APPROVED

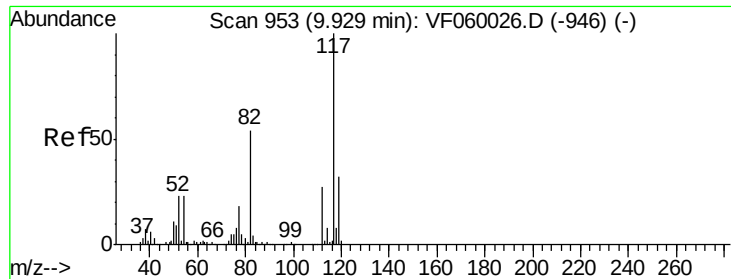
MMDadoda
 8/24/2018 4:13:22 PM



#62
 4-Bromofluorobenzene
 Concen: 54.88 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	158.4
176	70.2	0.0	153.0





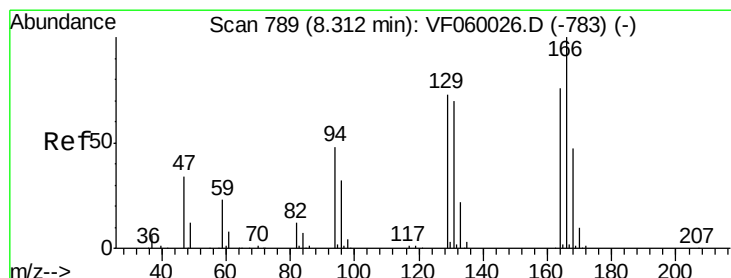
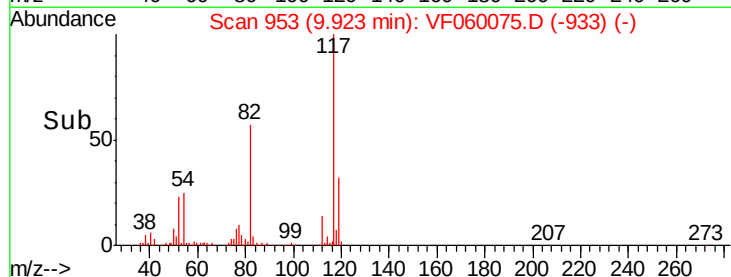
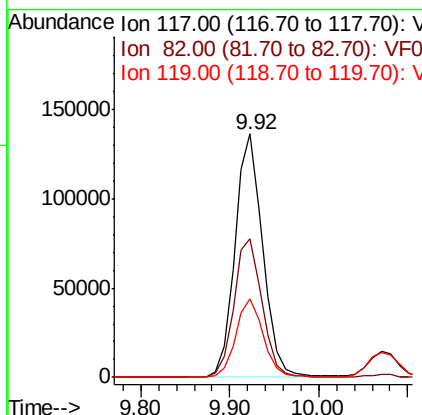
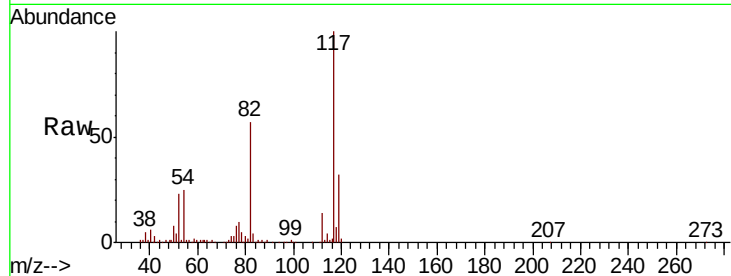
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	295576		
82	57.0		43.6	65.4
119	32.4		25.6	38.4

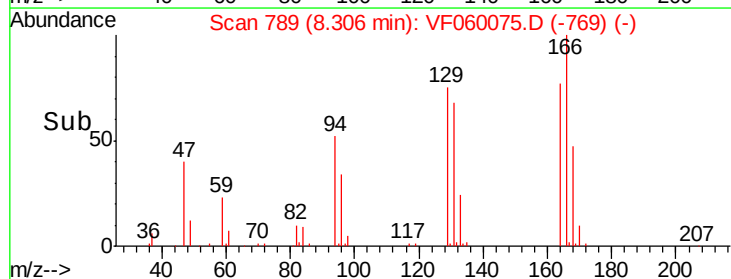
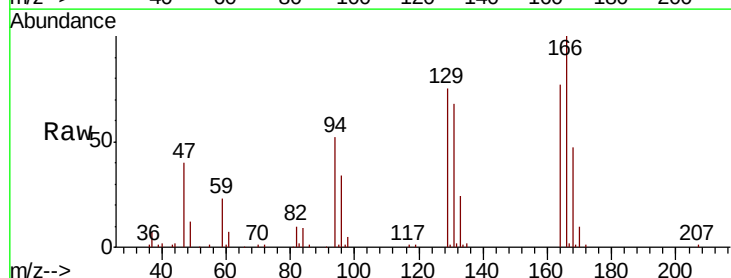
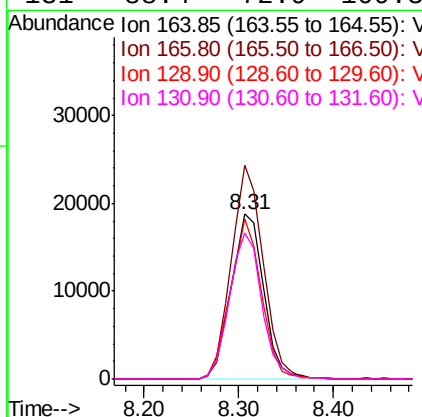
Manual Integrations
APPROVED

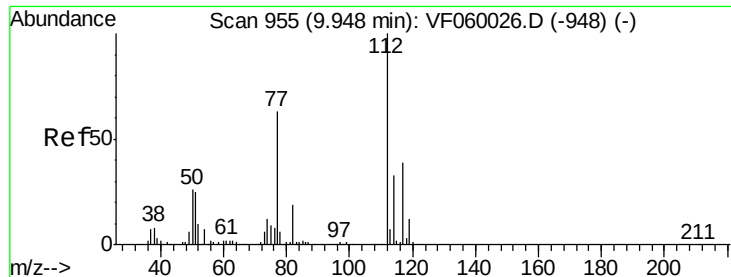
MMDadoda
8/24/2018 4:13:22 PM



#64
Tetrachloroethene
Concen: 22.42 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44637		
166	129.6		104.7	157.1
129	96.9		77.0	115.4
131	88.4		72.9	109.3





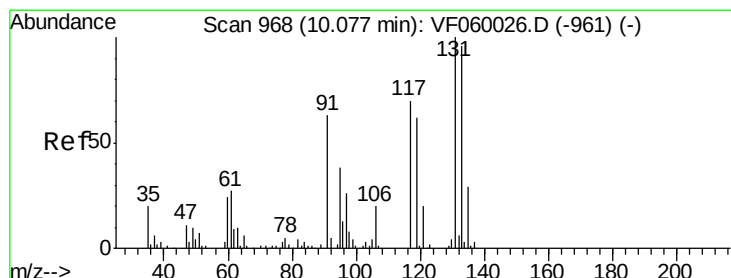
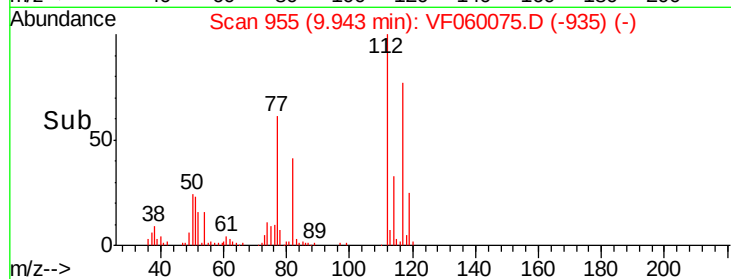
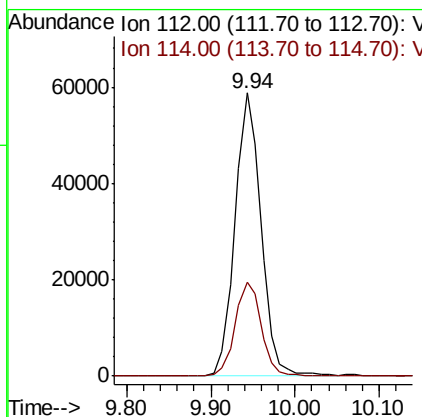
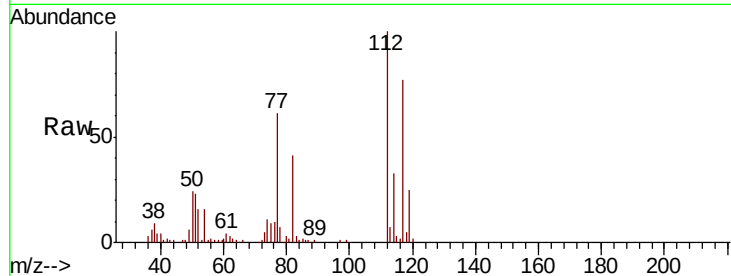
#65
Chlorobenzene
Concen: 22.68 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	126578		
114	33.2	26.2	39.2	

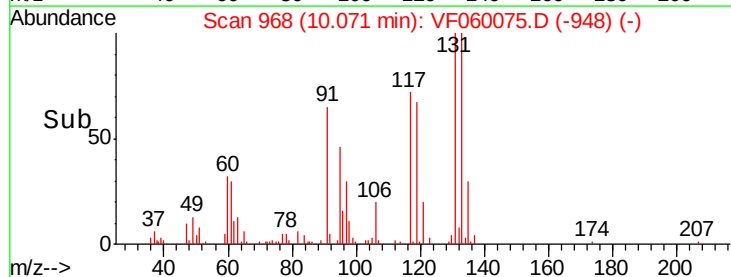
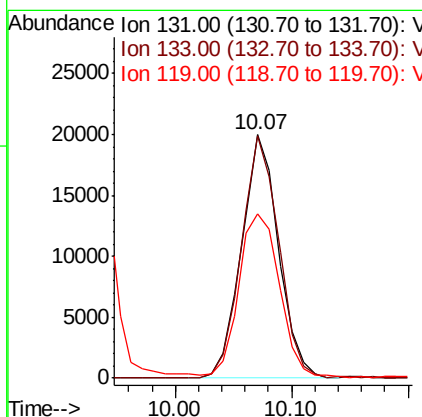
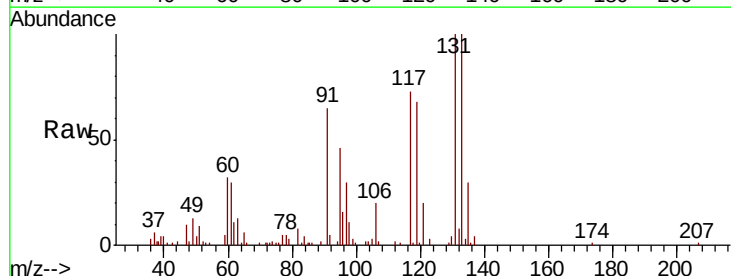
Manual Integrations
APPROVED

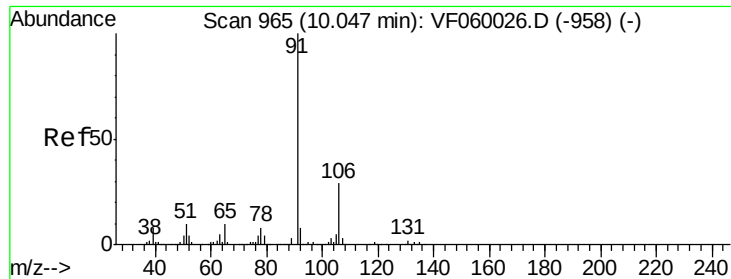
MMDadoda
8/24/2018 4:13:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.80 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	44039		
133	99.7	48.2	144.6	
119	67.6	31.4	94.2	





#67

Ethyl Benzene

Concen: 23.13 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS02

Tot Ion: 91 Resp: 222781

Ion Ratio Lower Upper

91 100

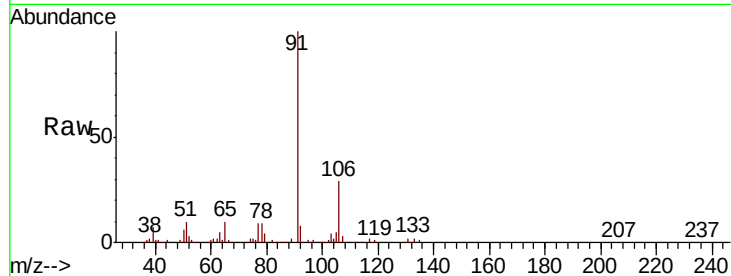
106 28.6 23.6 35.4

Manual Integrations

APPROVED

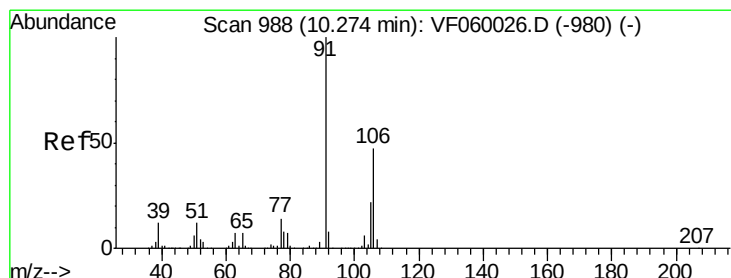
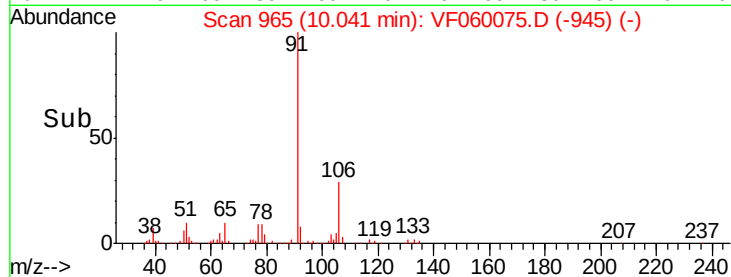
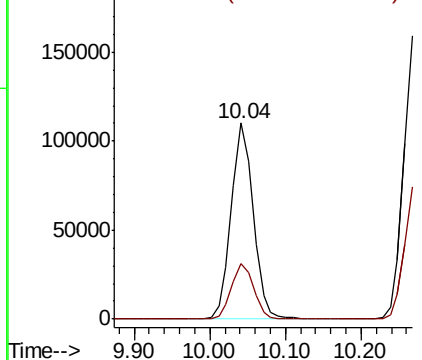
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.91 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF060075.D

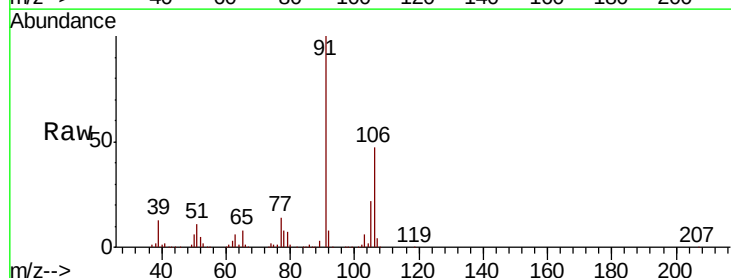
Acq: 24 Aug 2018 3:15

Tgt Ion: 106 Resp: 157920

Ion Ratio Lower Upper

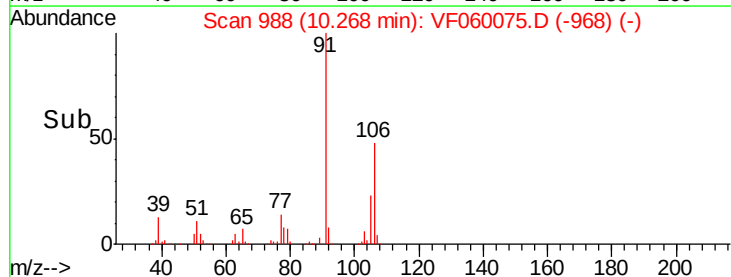
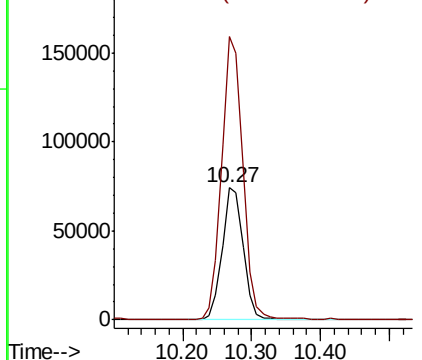
106 100

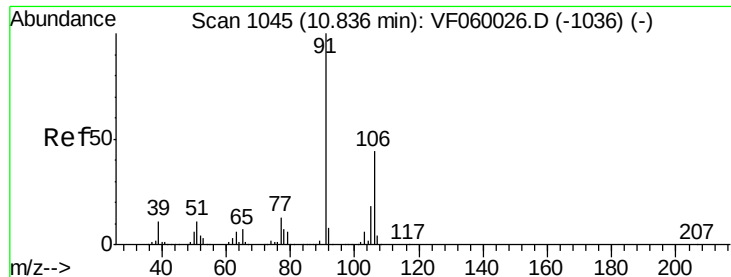
91 214.6 171.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





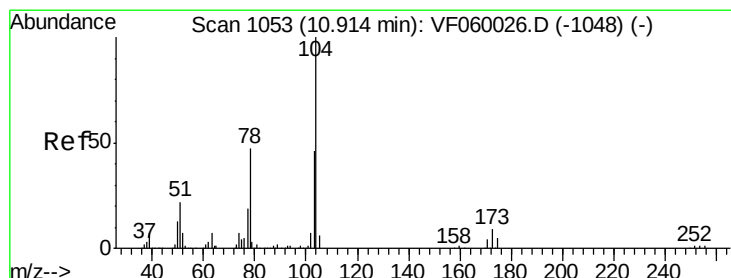
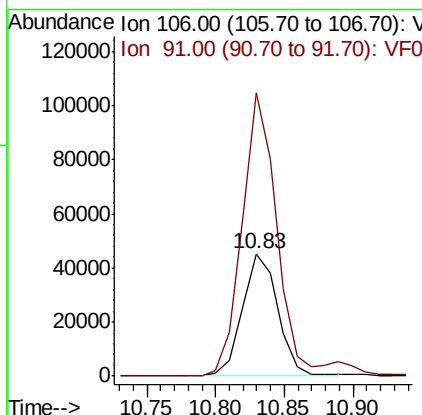
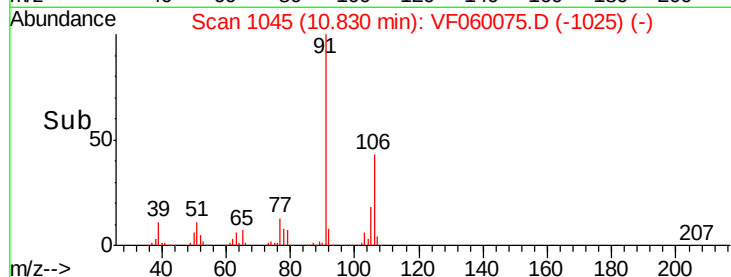
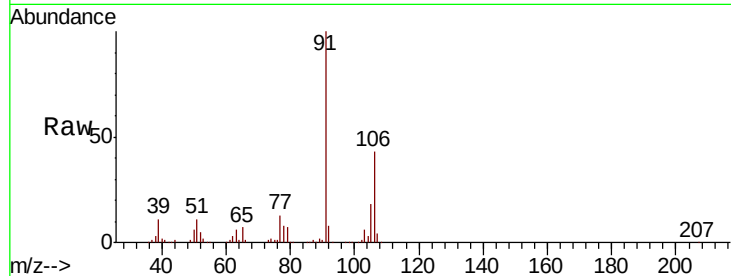
#69
o-Xylene
Concen: 21.61 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	231.6	112.5	337.5	

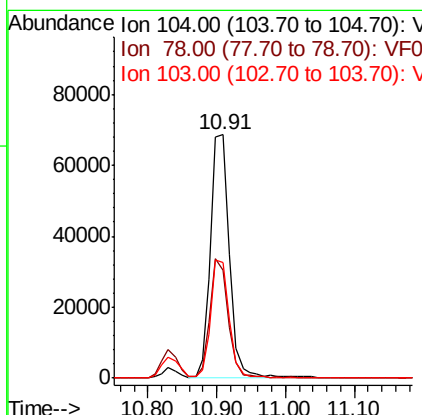
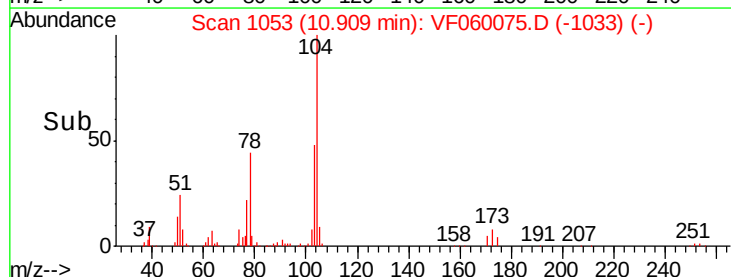
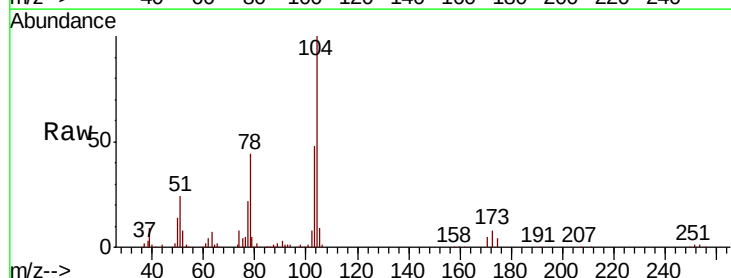
Manual Integrations
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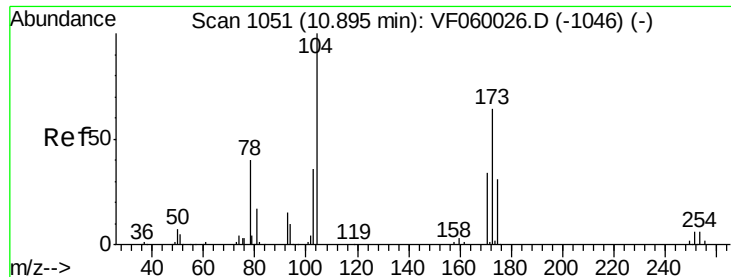
MMDadoda
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#70
Styrene
Concen: 22.53 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	44.5	38.0	57.0	
103	47.7	37.6	56.4	





#71

Bromoform

Concen: 22.12 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

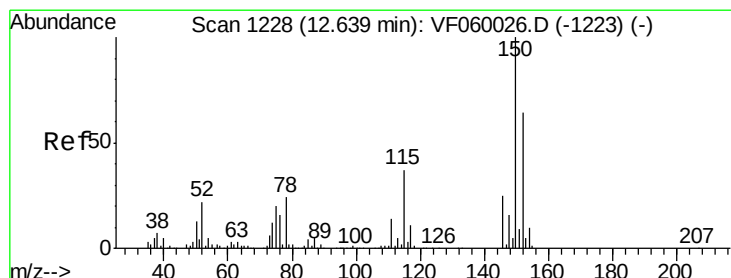
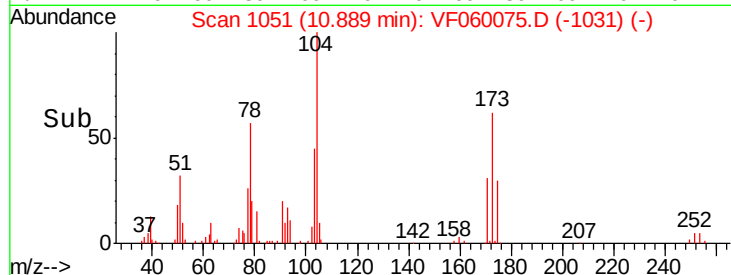
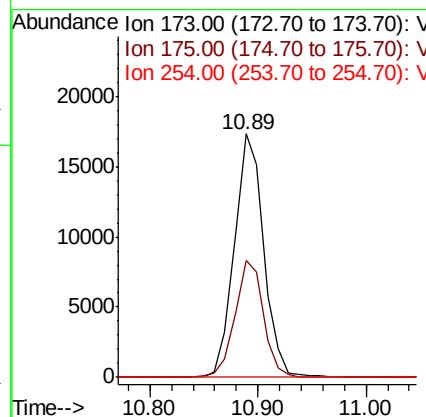
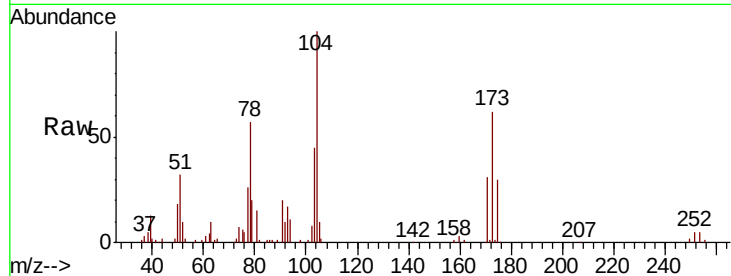
ClientSampleId :

VF0823SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.7	74.1
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

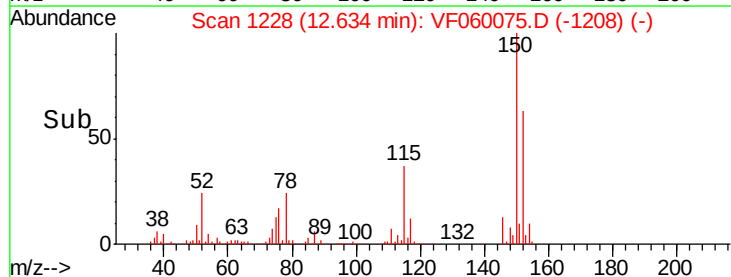
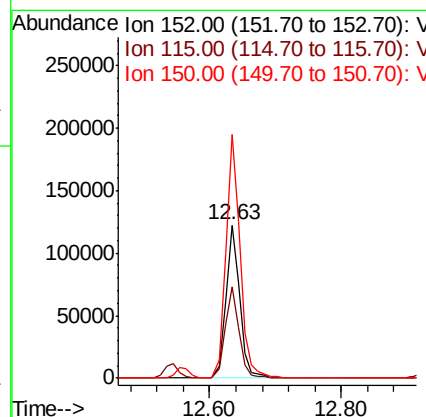
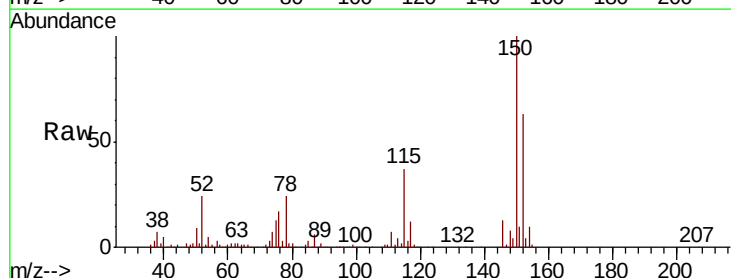
RT: 12.63 min Scan# 1228

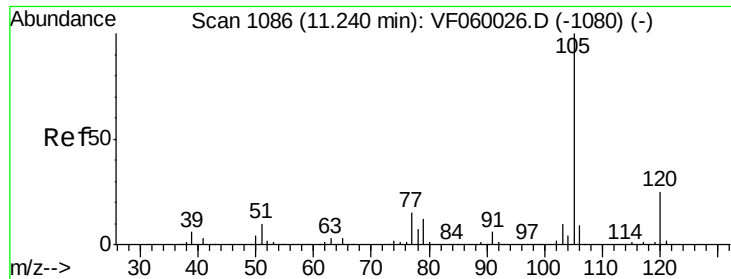
Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	28.6	85.9
150	158.7	0.0	312.0





#73

Isopropylbenzene

Concen: 21.89 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS02

Tot Ion: 105 Resp: 237173

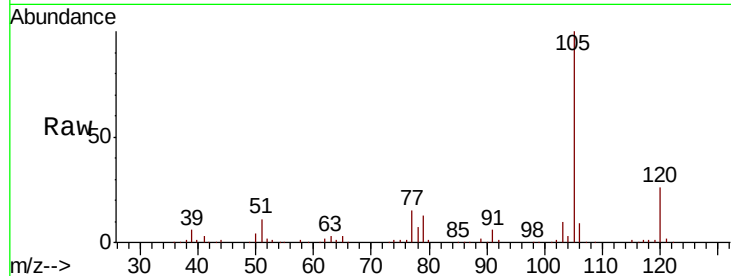
Ion Ratio Lower Upper

105 100

120 25.9 12.7 38.0

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

Ion 120.00 (119.70 to 120.70): V

11.23

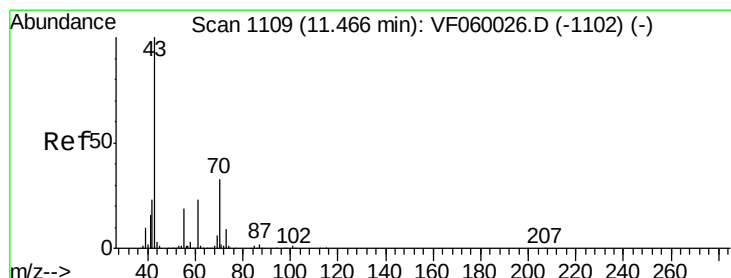
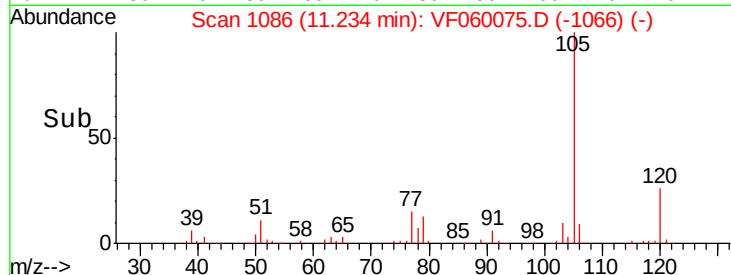
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.69 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion: 43 Resp: 73073

Ion Ratio Lower Upper

43 100

70 39.4 26.4 39.6

55 21.4 15.0 22.4

61 24.8 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

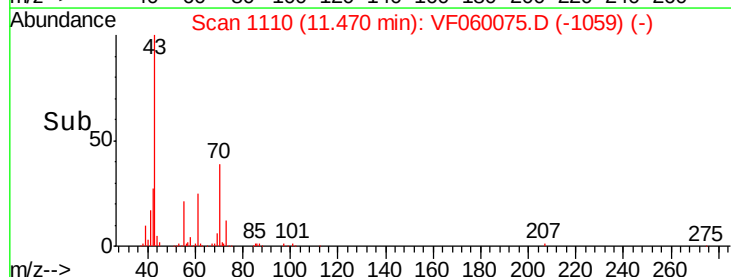
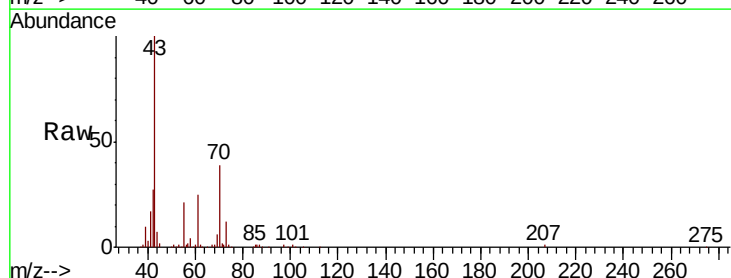
60000

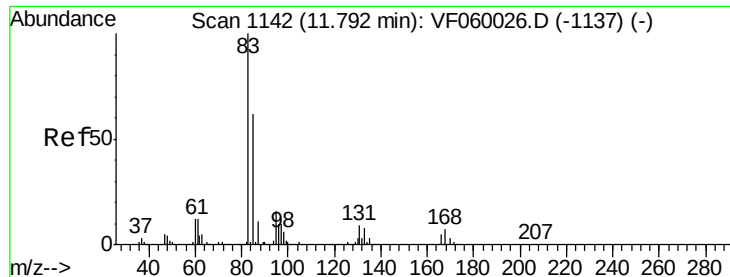
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 25.04 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

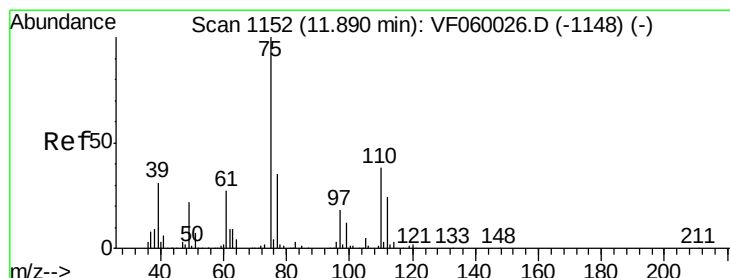
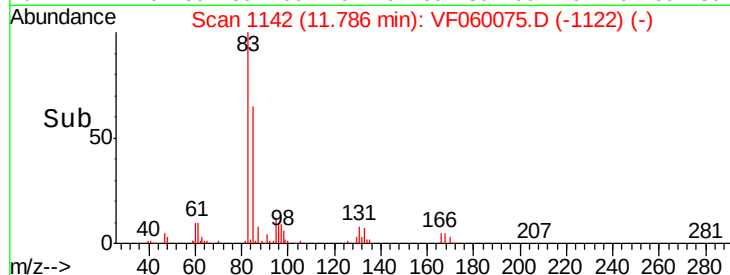
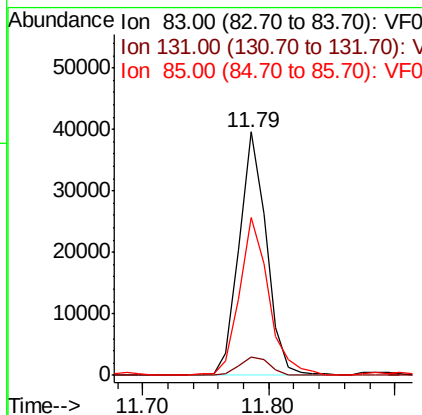
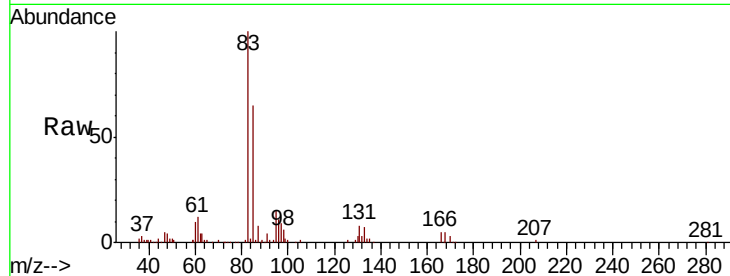
ClientSampleId :

VF0823SBS02

Tot Ion:	83	Resp:	59261
Ion Ratio	Lower	Upper	
83	100		
131	7.6	4.5	13.7
85	64.6	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.75 ug/l

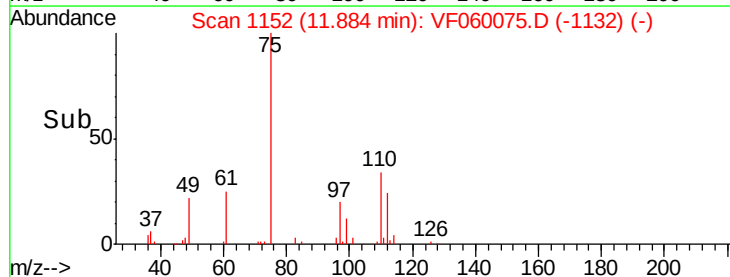
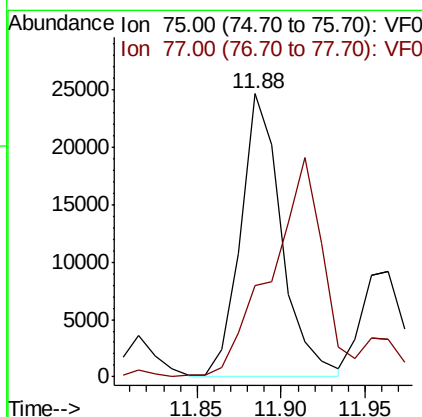
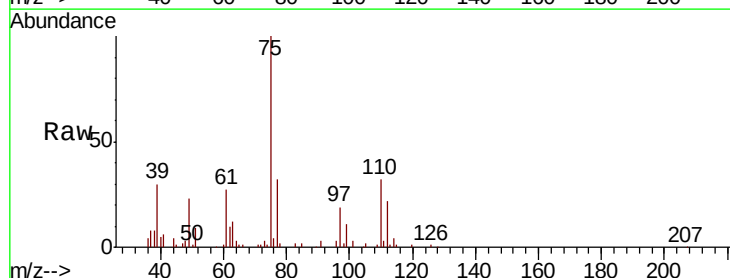
RT: 11.88 min Scan# 1152

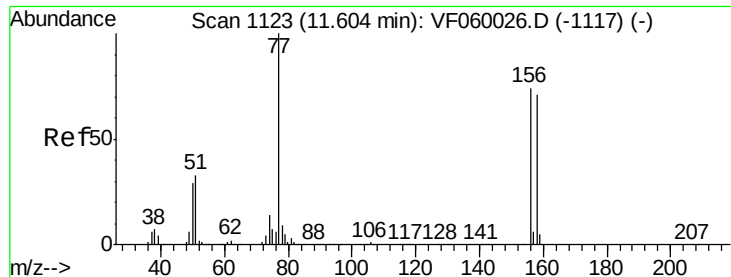
Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion:	75	Resp:	41759
Ion Ratio	Lower	Upper	
75	100		
77	32.5	17.3	52.0





#77

Bromobenzene

Concen: 21.75 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS02

Tot Ion:156 Resp: 64110

Ion Ratio Lower Upper

156 100

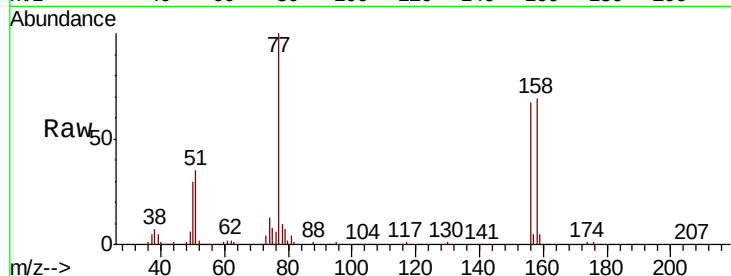
77 149.2 68.0 204.0

158 102.3 48.4 145.3

Manual Integrations
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MMDadoda

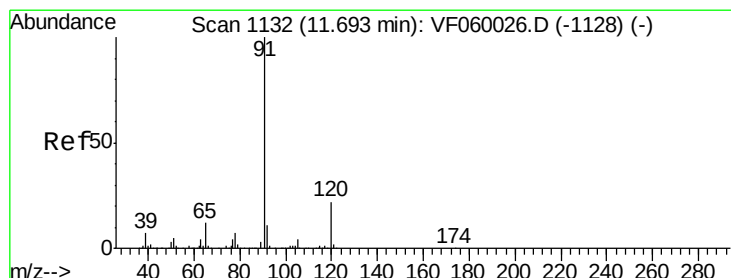
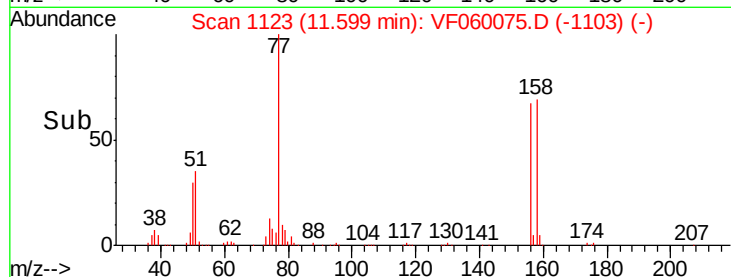
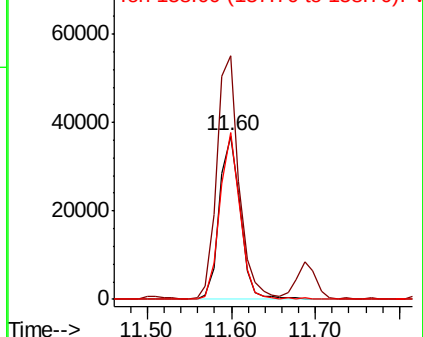
8/24/2018 4:13:22 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.91 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060075.D

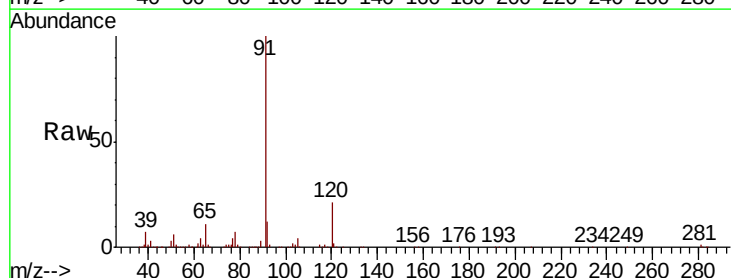
Acq: 24 Aug 2018 3:15

Tgt Ion: 91 Resp: 306495

Ion Ratio Lower Upper

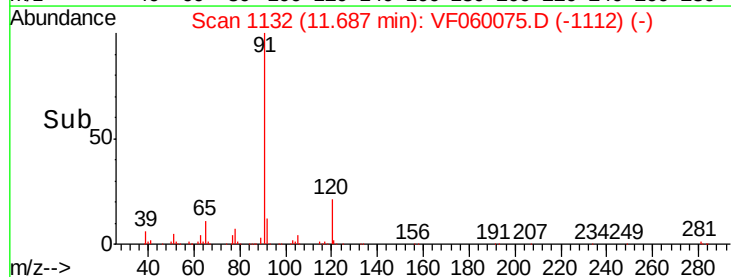
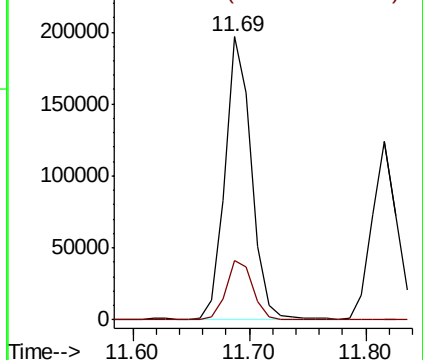
91 100

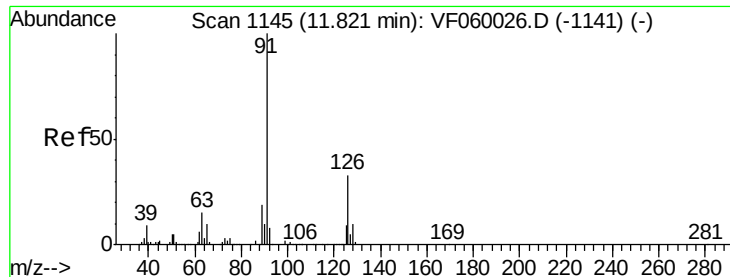
120 21.0 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.40 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

ClientSampleId :

VF0823SBS02

Tot Ion: 91 Resp: 184028

Ion Ratio Lower Upper

91 100

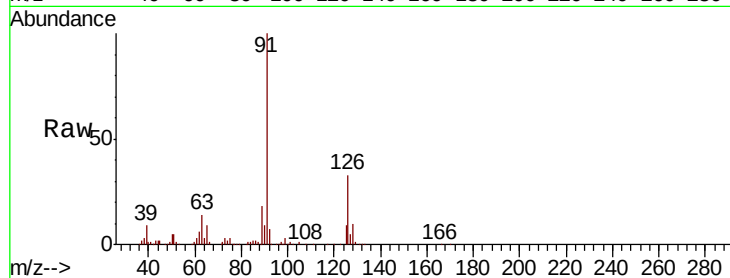
126 33.0 16.6 49.7

Manual Integrations

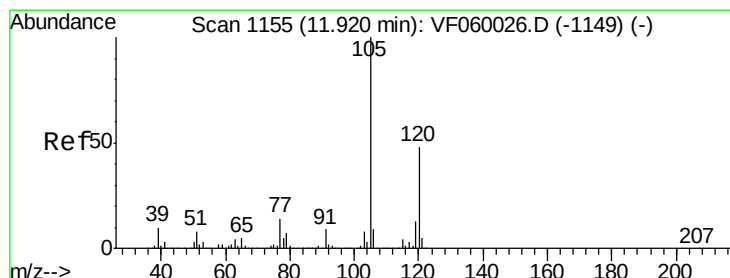
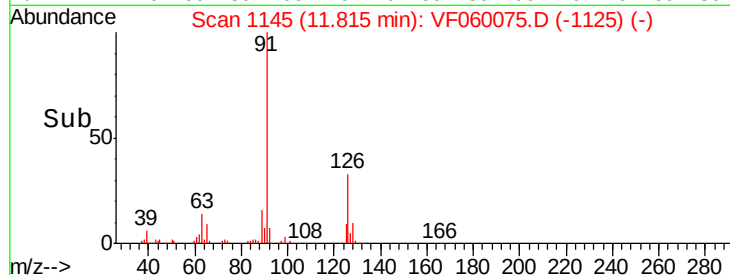
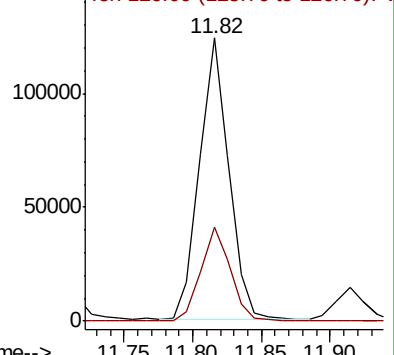
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Abundance Ion 91.00 (90.70 to 91.70): VF060026.D (-1141) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.47 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF060075.D

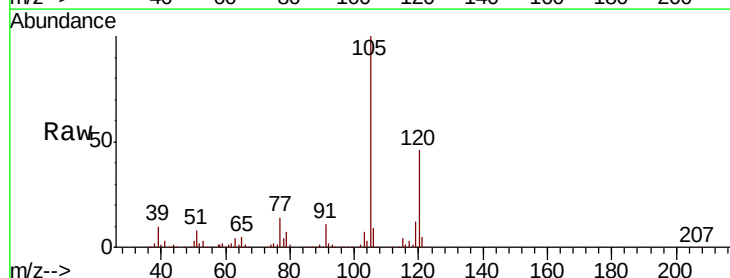
Acq: 24 Aug 2018 3:15

Tgt Ion: 105 Resp: 202750

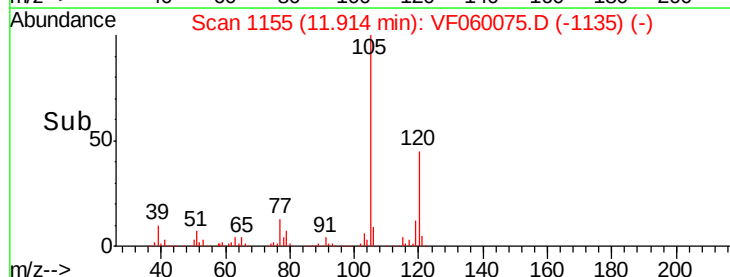
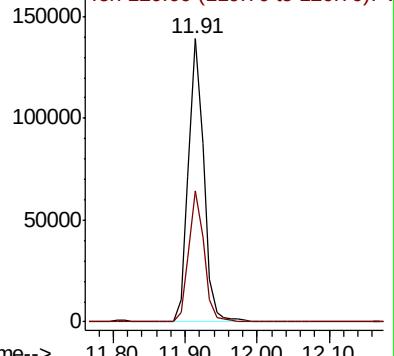
Ion Ratio Lower Upper

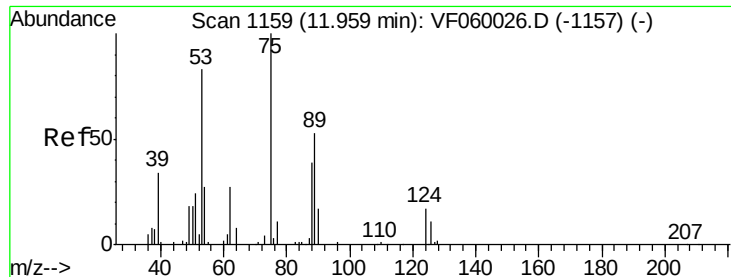
105 100

120 46.3 23.8 71.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 20.74 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

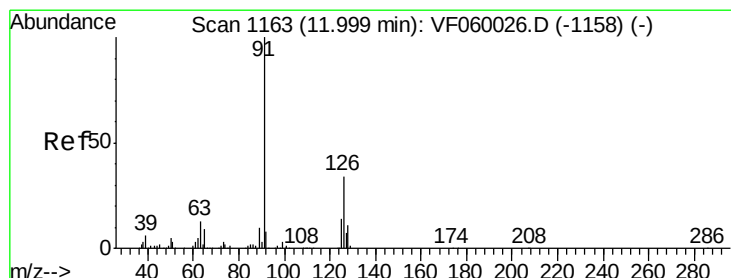
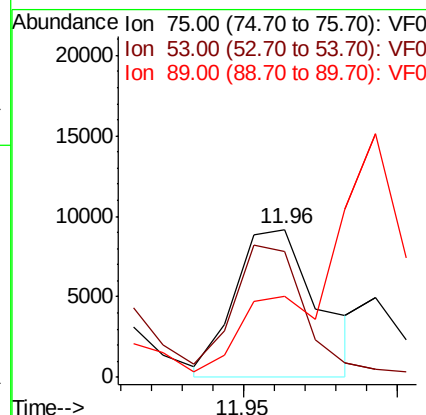
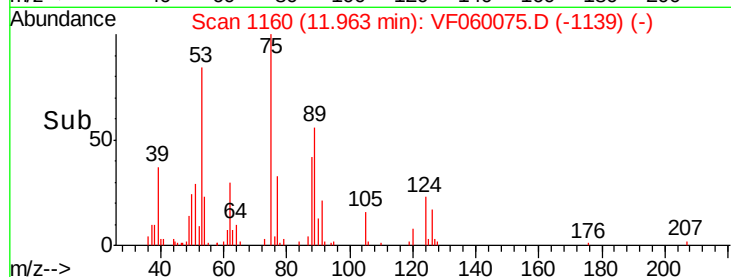
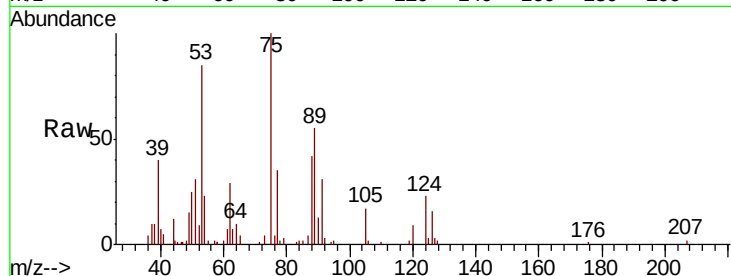
ClientSampleId :

VF0823SBS02

Tot Ion:	75	Resp:	17418
Ion	Ratio	Lower	Upper
75	100		
53	85.1	66.2	99.4
89	55.2	42.8	64.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.58 ug/l

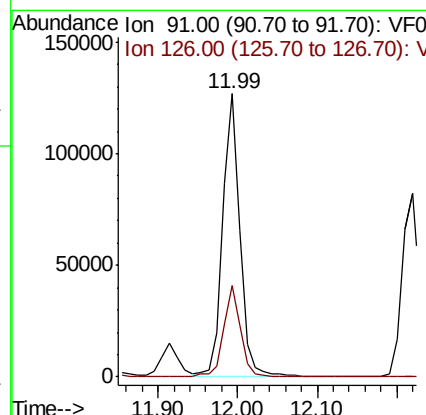
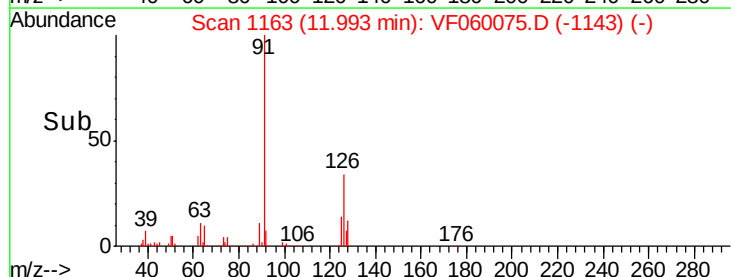
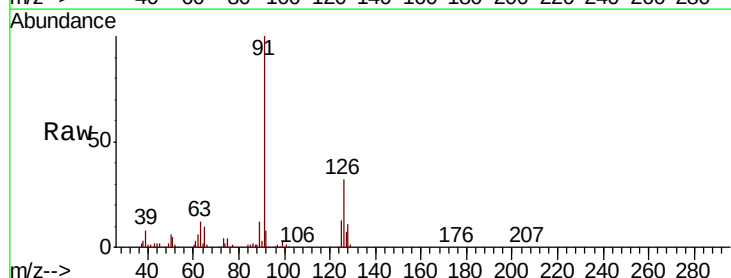
RT: 11.99 min Scan# 1163

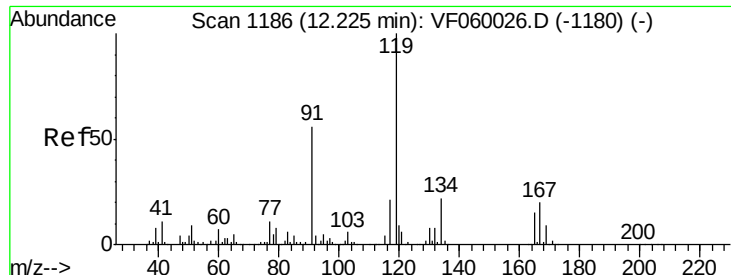
Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion:	91	Resp:	192784
Ion	Ratio	Lower	Upper
91	100		
126	32.5	17.0	50.9





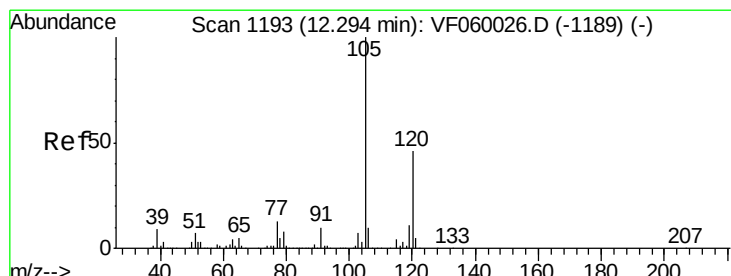
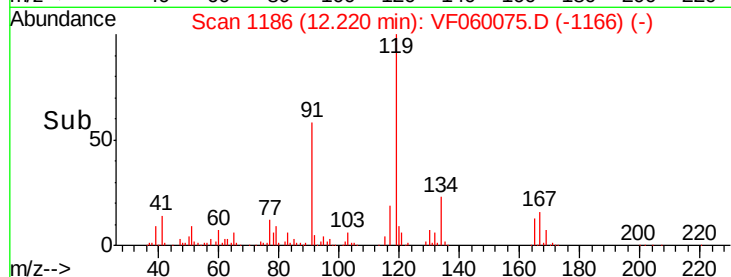
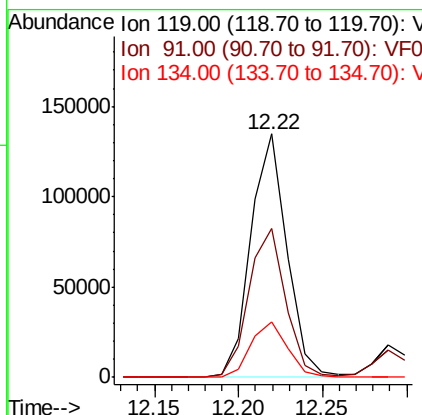
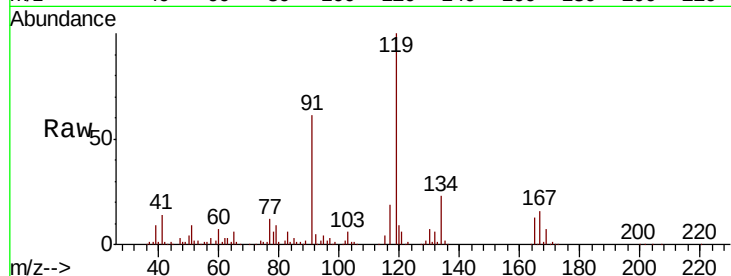
#83
 tert-Butylbenzene
 Concen: 21.77 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	200459		
91	61.2		28.1	84.3
134	23.0		11.1	33.3

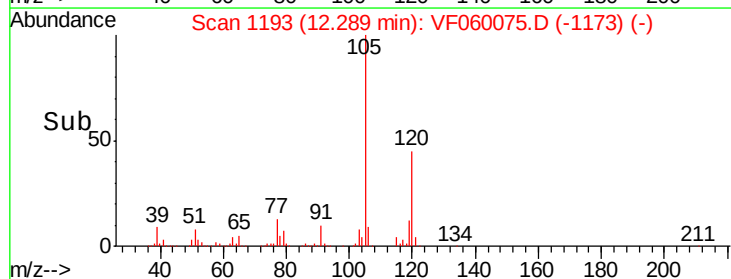
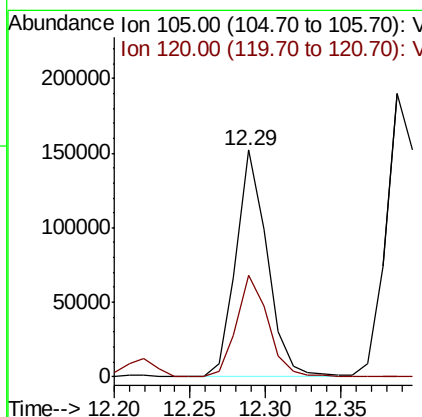
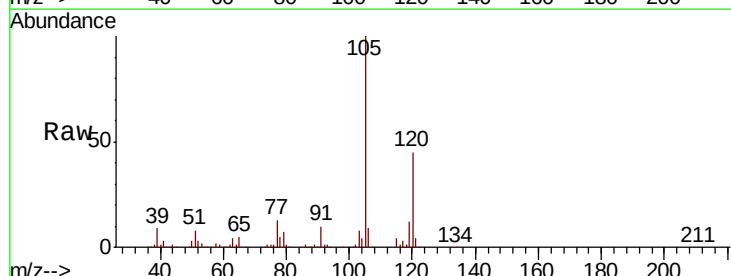
Manual Integrations
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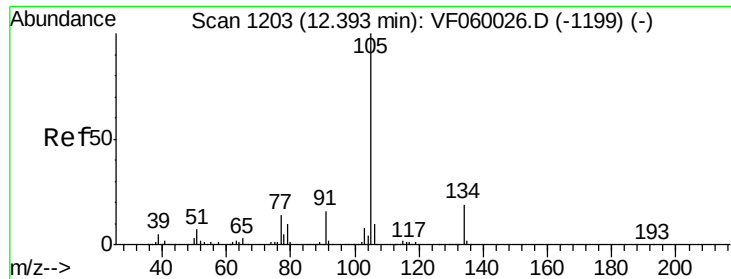
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.87 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	219474		
120	44.7		23.3	69.8





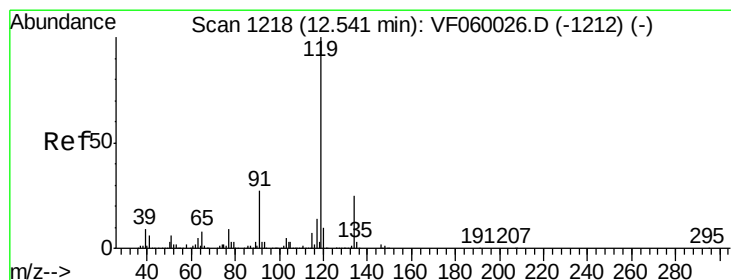
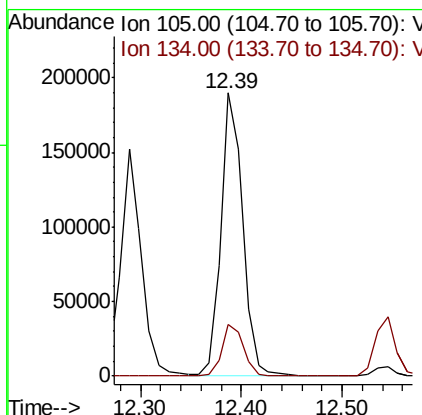
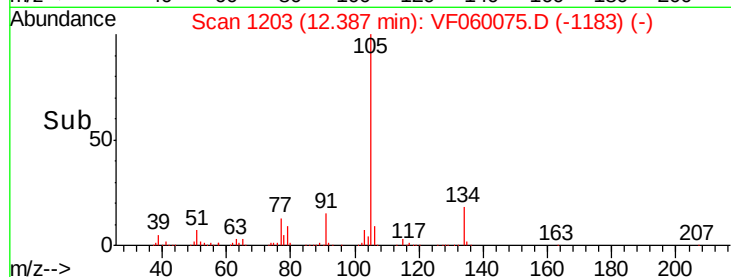
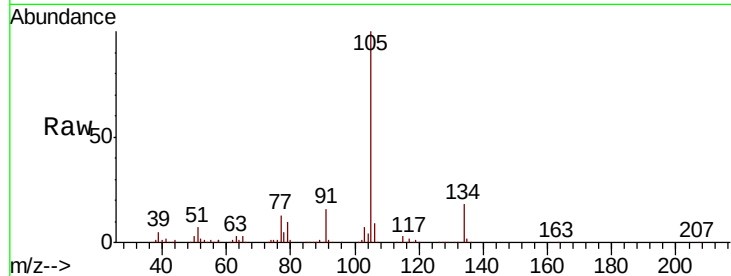
#85
 sec-Butylbenzene
 Concen: 22.33 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	286325		
134	18.5	9.3	27.9	

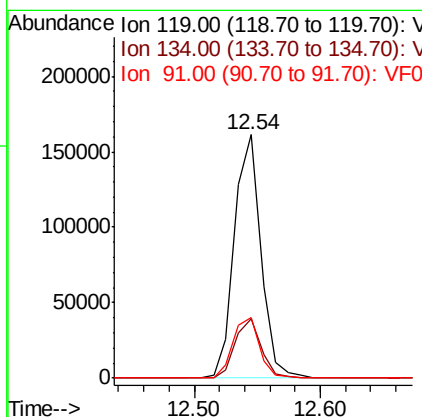
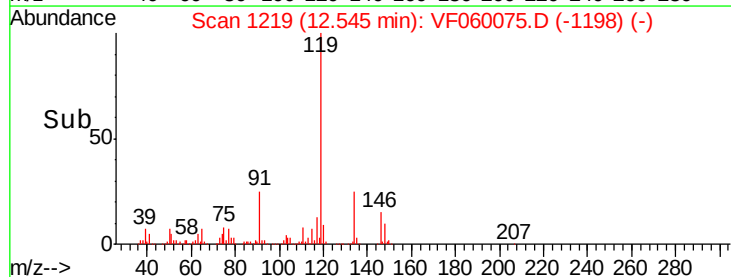
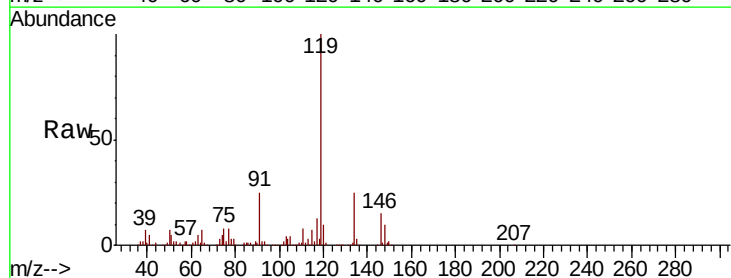
Manual Integrations
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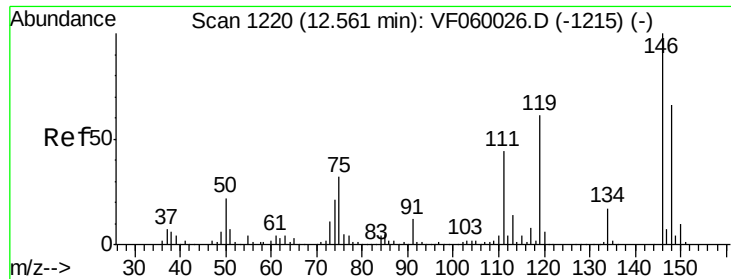
MMDadoda
 8/24/2018 4:13:22 PM



#86
 p-Isopropyltoluene
 Concen: 22.00 ug/l
 RT: 12.54 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	233990		
134	24.6	12.4	37.2	
91	25.0	13.5	40.4	





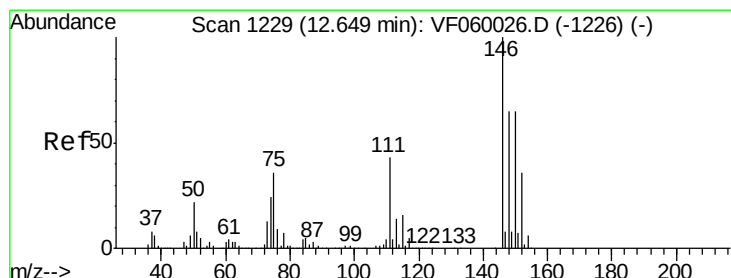
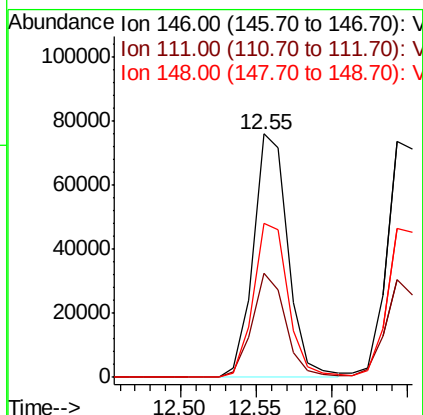
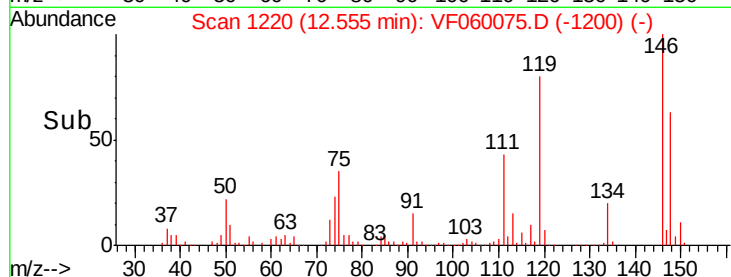
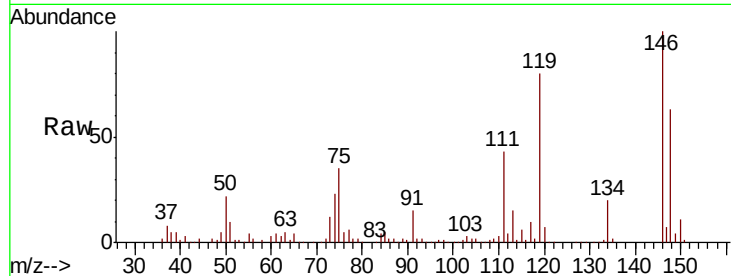
#87
 1,3-Dichlorobenzene
 Concen: 22.36 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	121849		
111	43.0	21.9	65.5	
148	63.4	32.9	98.7	

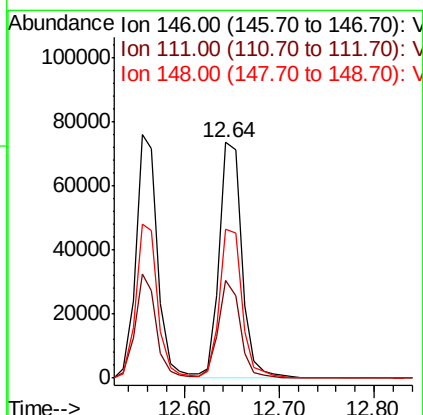
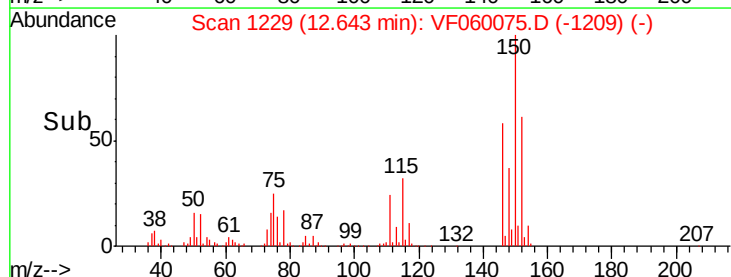
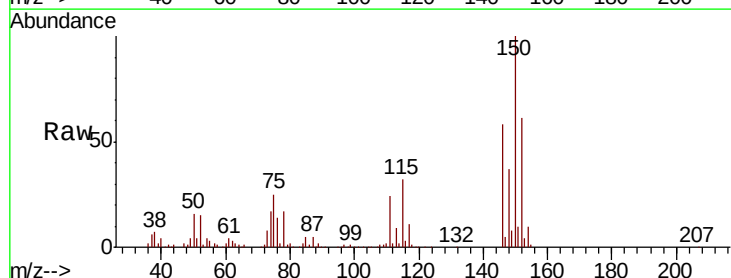
Manual Integrations
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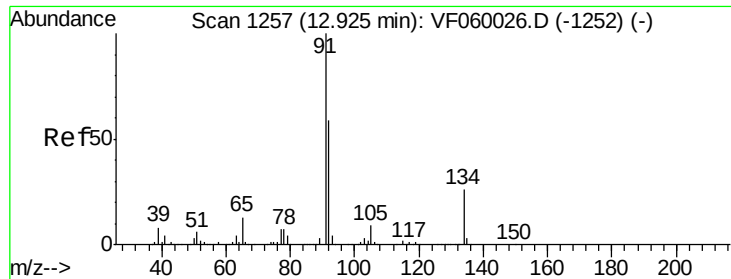
MMDadoda
 8/24/2018 4:13:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.71 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	122963		
111	41.5	21.6	64.8	
148	63.4	32.3	96.8	





#89

n-Butylbenzene

Concen: 22.94 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

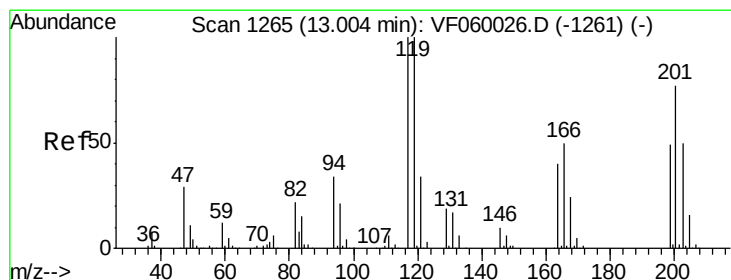
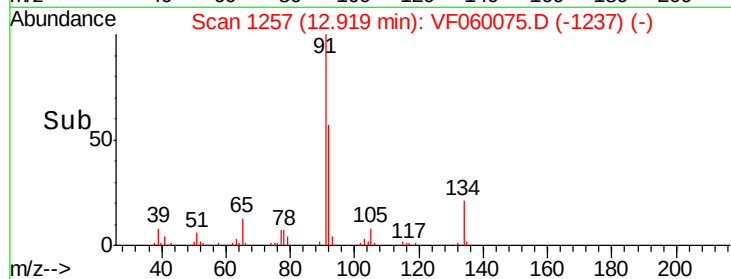
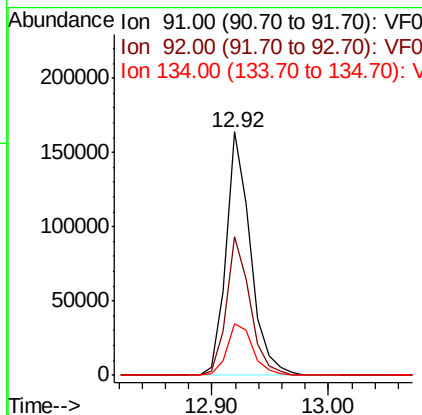
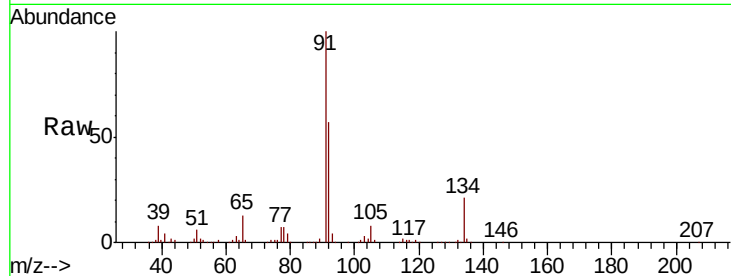
ClientSampleId :

VF0823SBS02

Tot Ion:	91	Resp:	236992
Ion	Ratio	Lower	Upper
91	100		
92	56.8	29.3	87.9
134	21.3	12.8	38.3

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#90

Hexachloroethane

Concen: 22.63 ug/l

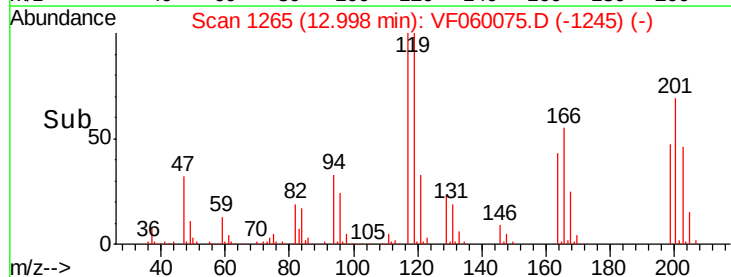
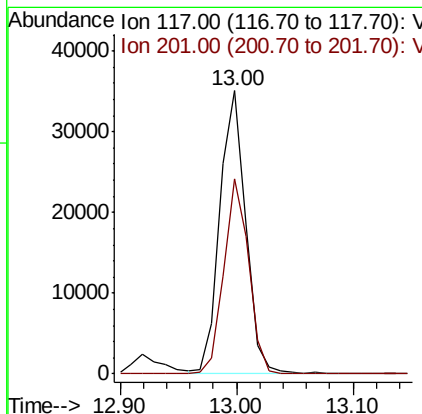
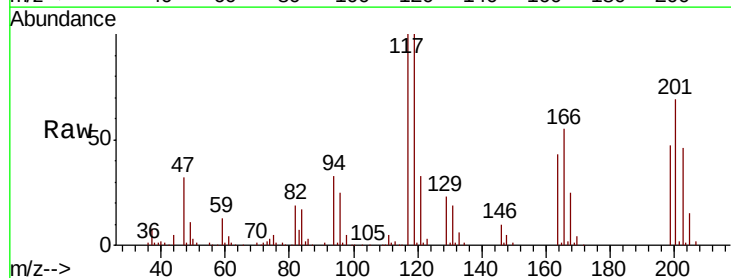
RT: 13.00 min Scan# 1265

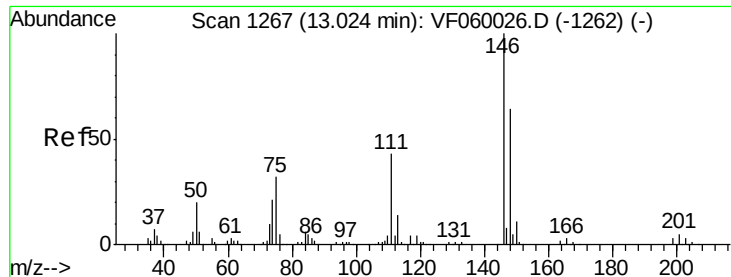
Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion:	117	Resp:	54079
Ion	Ratio	Lower	Upper
117	100		
201	70.9	38.6	115.8





#91

1,2-Dichlorobenzene

Concen: 22.74 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Instrument :

MSVOA_F

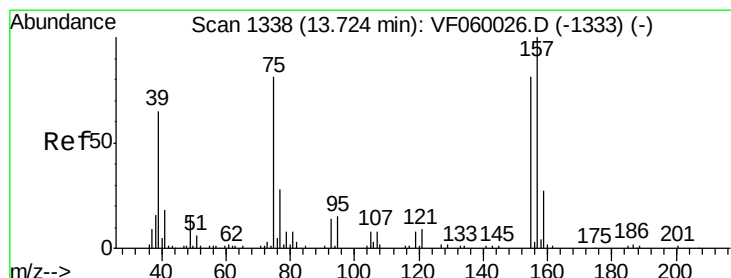
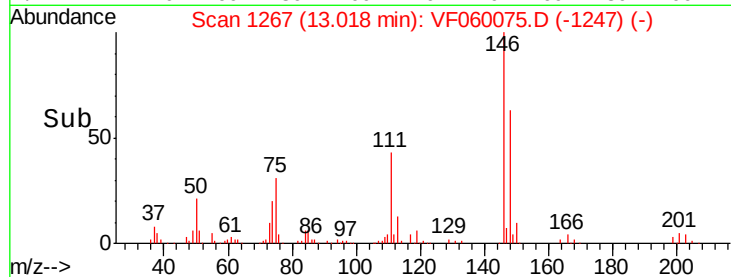
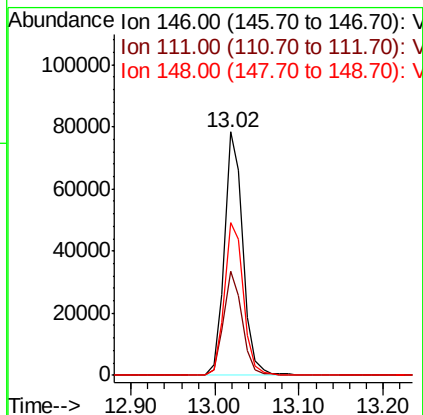
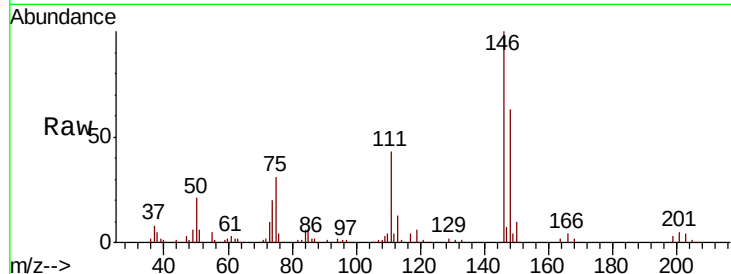
ClientSampleId :

VF0823SBS02

Tot Ion:	146	Resp:	119153
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.6	64.6
148	62.9	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.31 ug/l

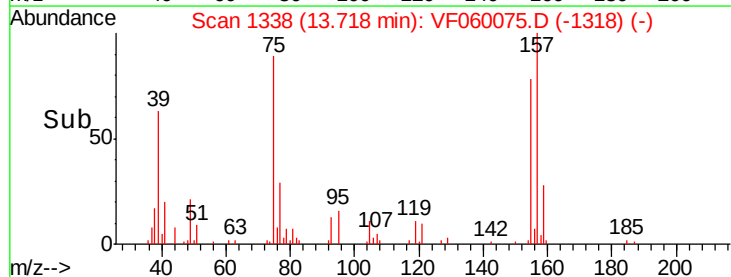
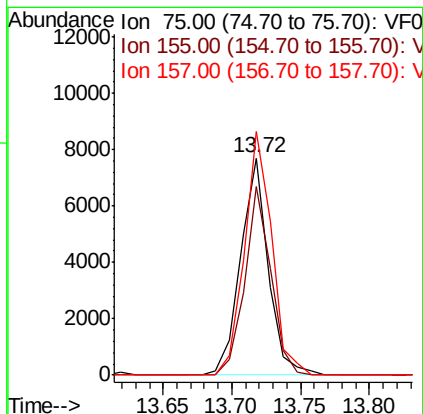
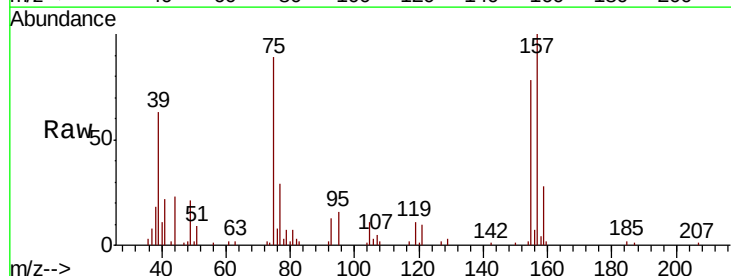
RT: 13.72 min Scan# 1338

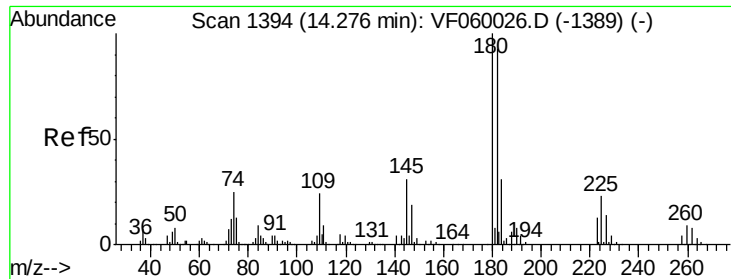
Delta R.T. -0.01 min

Lab File: VF060075.D

Acq: 24 Aug 2018 3:15

Tgt Ion:	75	Resp:	10788
Ion Ratio	Lower	Upper	
75	100		
155	87.0	49.8	149.3
157	112.2	61.6	184.7





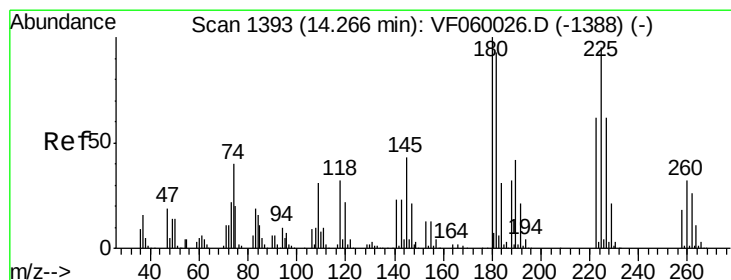
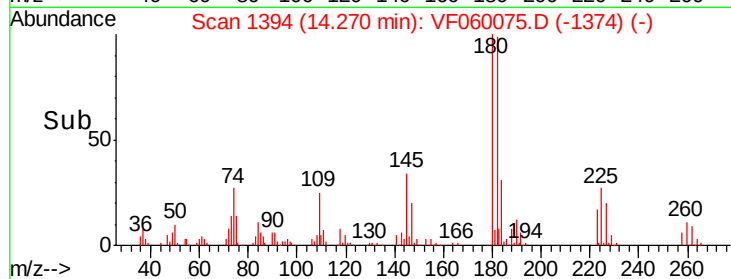
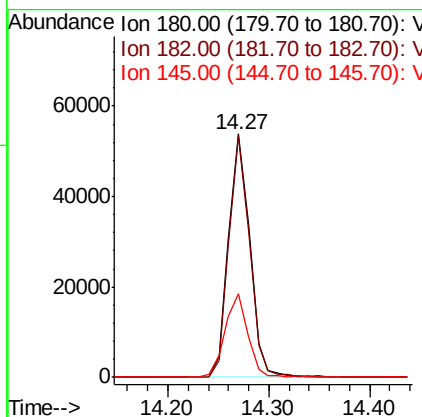
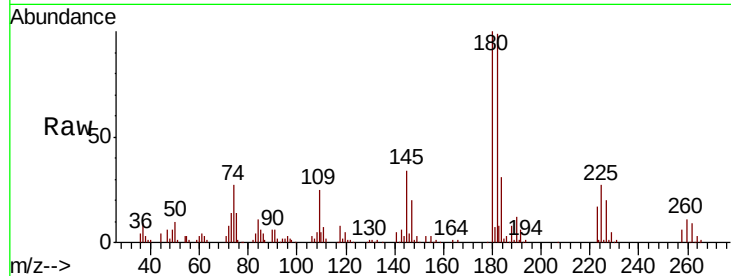
#93
 1,2,4-Trichlorobenzene
 Concen: 20.47 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0823SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	79012		
182	99.2	46.8	140.3	
145	34.2	15.4	46.4	

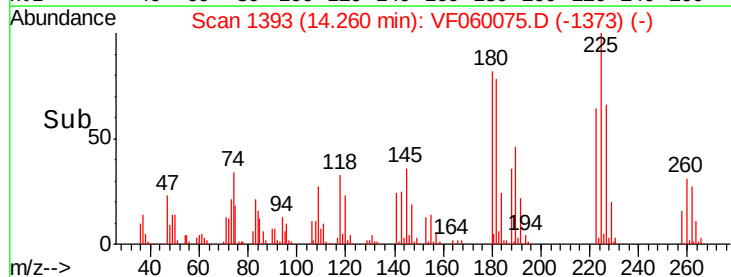
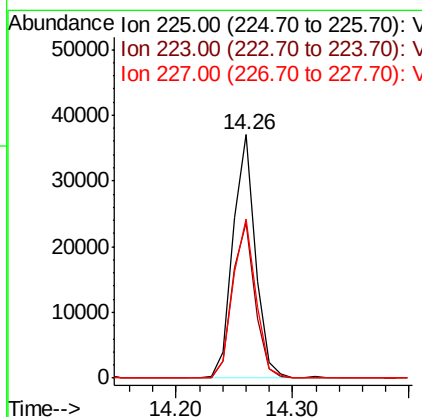
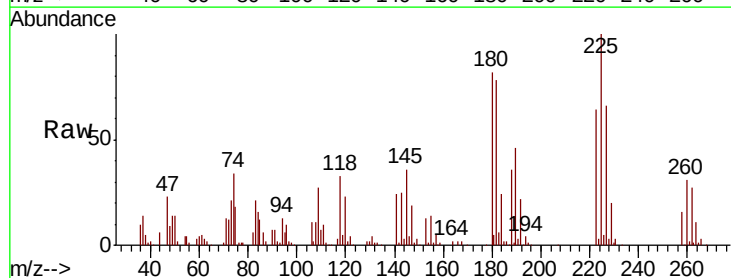
Manual Integrations
 APPROVED

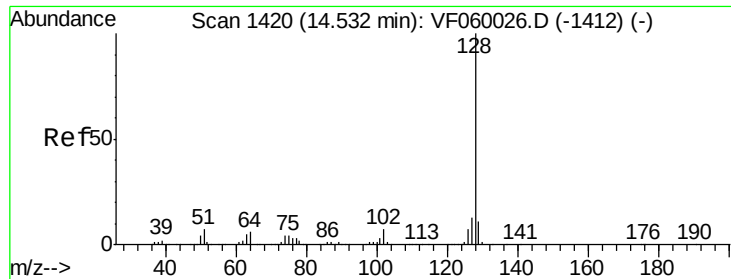
MMDadoda
 8/24/2018 4:13:22 PM



#94
 Hexachlorobutadiene
 Concen: 20.67 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060075.D
 Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49654		
223	63.9	32.6	97.8	
227	65.6	33.0	98.9	





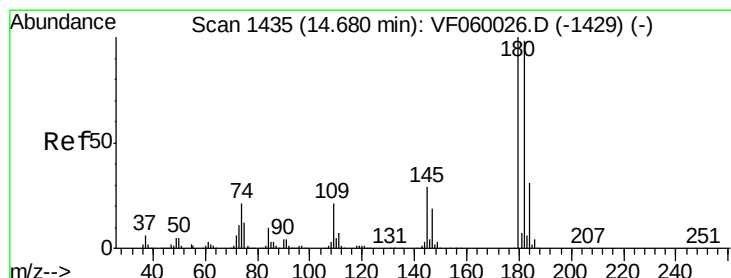
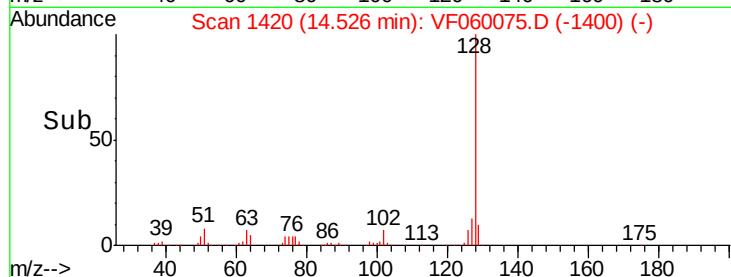
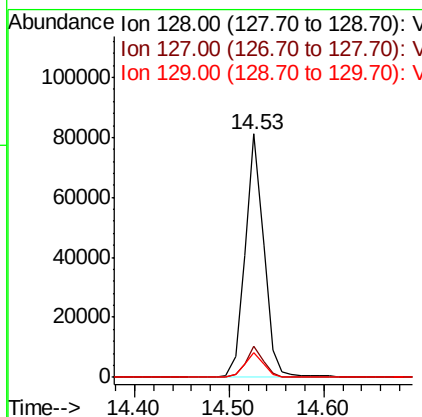
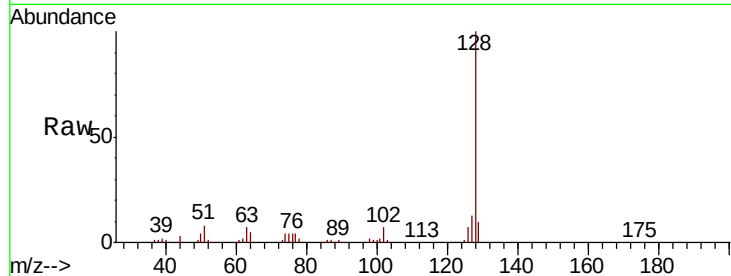
#95
Naphthalene
Concen: 18.10 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Instrument :
MSVOA_F
ClientSampleId :
VF0823SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	9.9	8.5	12.7

Manual Integrations
APPROVED

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8/24/2018 4:13:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.53 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VF060075.D
Acq: 24 Aug 2018 3:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	49.0	147.2
145	29.1	14.4	43.2

