

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060975.D
 Acq On : 11 Dec 2018 14:36
 Operator : VA/AP
 Sample : VF1211SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 1:27:45 PM

Quant Time: Dec 12 06:43:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	191488	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	301164	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	277789	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	142544	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	114508	50.76	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	101.52%	
35) Dibromofluoromethane	4.12	113	116070	48.58	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.16%	
50) Toluene-d8	7.55	98	325981	46.32	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	92.64%	
62) 4-Bromofluorobenzene	11.41	95	155370	48.57	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	57746	20.169	ug/l	92
3) Chloromethane	1.10	50	37291	20.016	ug/l	92
4) Vinyl Chloride	1.15	62	36799	21.175	ug/l	94
5) Bromomethane	1.33	94	26810	21.878	ug/l	90
6) Chloroethane	1.40	64	19781	26.332	ug/l	96
7) Trichlorofluoromethane	1.50	101	85266m	22.867	ug/l	
8) Diethyl Ether	1.64	74	11298	21.071	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.84	101	40982	21.741	ug/l	96
10) Methyl Iodide	1.92	142	66099m	23.069	ug/l	
11) Tert butyl alcohol	2.57	59	9883	106.877	ug/l #	82
12) 1,1-Dichloroethene	1.80	96	34680	22.873	ug/l	90
13) Acrolein	2.00	56	7176	81.906	ug/l	84
14) Allyl chloride	2.09	41	34817	18.423	ug/l	97
15) Acrylonitrile	2.95	53	22204	107.105	ug/l	88
16) Acetone	2.24	43	51807	124.542	ug/l	99
17) Carbon Disulfide	1.83	76	92099m	22.654	ug/l	
18) Methyl Acetate	2.35	43	18833	26.200	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	77123	22.584	ug/l	98
20) Methylene Chloride	2.26	84	39584m	25.939	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	26016	17.798	ug/l	97
22) Diisopropyl ether	2.80	45	118917	23.117	ug/l	97
23) Vinyl Acetate	3.19	43	292638	124.452	ug/l #	96
24) 1,1-Dichloroethane	2.87	63	66560	21.748	ug/l	99
25) 2-Butanone	4.35	43	85183	118.392	ug/l #	90
26) 2,2-Dichloropropane	3.60	77	43263	21.804	ug/l	92
27) cis-1,2-Dichloroethene	3.48	96	54628	22.955	ug/l	94
28) Bromochloromethane	3.72	49	34424	23.436	ug/l	85
29) Tetrahydrofuran	4.08	42	32048	105.080	ug/l	98
30) Chloroform	3.87	83	107963	22.920	ug/l	99
31) Cyclohexane	3.69	56	73085m	23.010	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	55699	17.050	ug/l	93
36) 1,1-Dichloropropene	4.28	75	79434	23.780	ug/l #	94
37) Ethyl Acetate	4.12	43	28854	21.256	ug/l #	78
38) Carbon Tetrachloride	3.99	117	59417	20.139	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	71746	20.495	ug/l	96
40) Benzene	4.63	78	172232	23.339	ug/l	98
41) Methacrylonitrile	4.75	41	16919	21.892	ug/l	95
42) 1,2-Dichloroethane	4.95	62	63382	23.526	ug/l	99
43) Isopropyl Acetate	6.96	43	38568	21.476	ug/l #	96
44) Trichloroethene	5.51	130	59409	24.621	ug/l	95
45) 1,2-Dichloropropane	6.24	63	46915	24.478	ug/l	98
46) Dibromomethane	6.08	93	30381	23.367	ug/l	92
47) Bromodichloromethane	6.39	83	76178	22.060	ug/l	97
48) Methyl methacrylate	6.73	41	27301	22.219	ug/l	96
49) 1,4-Dioxane	6.73	88	4167	463.375	ug/l #	79
51) 4-Methyl-2-Pentanone	8.26	43	143262	114.446	ug/l	99
52) Toluene	7.63	92	113463	21.889	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	63397	22.570	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	79575	22.884	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	33291	22.041	ug/l	96
56) Ethyl methacrylate	8.63	69	39308	23.427	ug/l	89
57) 1,3-Dichloropropane	8.86	76	63754	24.126	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	37195	216.724	ug/l	98
59) 2-Hexanone	9.50	43	106607	121.392	ug/l	99
60) Dibromochloromethane	8.72	129	49757	22.109	ug/l	94
61) 1,2-Dibromoethane	8.98	107	36577	22.417	ug/l	99
64) Tetrachloroethene	8.16	164	49134	23.157	ug/l	97
65) Chlorobenzene	9.80	112	124611	23.059	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	54266	23.358	ug/l	98
67) Ethyl Benzene	9.90	91	236846	23.542	ug/l	98
68) m/p-Xylenes	10.14	106	165525	45.745	ug/l	96
69) o-Xylene	10.72	106	91150	22.844	ug/l	99
70) Styrene	10.79	104	130448	23.584	ug/l	96
71) Bromoform	10.78	173	24595	21.917	ug/l #	97
73) Isopropylbenzene	11.13	105	268443	23.831	ug/l	97
74) N-amyl acetate	11.37	43	62546	24.045	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	44389	23.943	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	34135	25.331	ug/l	95
77) Bromobenzene	11.50	156	56623	22.928	ug/l	92
78) n-propylbenzene	11.60	91	331575	25.135	ug/l	100
79) 2-Chlorotoluene	11.73	91	187080	24.733	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	231333	25.297	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	16644m	25.209	ug/l	
82) 4-Chlorotoluene	11.90	91	185541	23.309	ug/l	94
83) tert-Butylbenzene	12.13	119	228893	24.572	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	216272	23.697	ug/l	98
85) sec-Butylbenzene	12.31	105	309949	24.306	ug/l	98
86) p-Isopropyltoluene	12.47	119	256208	23.965	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	113218	24.101	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	103437	22.594	ug/l	98
89) n-Butylbenzene	12.84	91	261413	24.182	ug/l	93
90) Hexachloroethane	12.92	117	61017	23.701	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	104344	23.455	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8118	22.649	ug/l	71

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	78282	25.184	ug/l	94
94) Hexachlorobutadiene	14.19	225	48232	23.277	ug/l	99
95) Naphthalene	14.46	128	133989	20.118	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	67291	23.315	ug/l	95

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

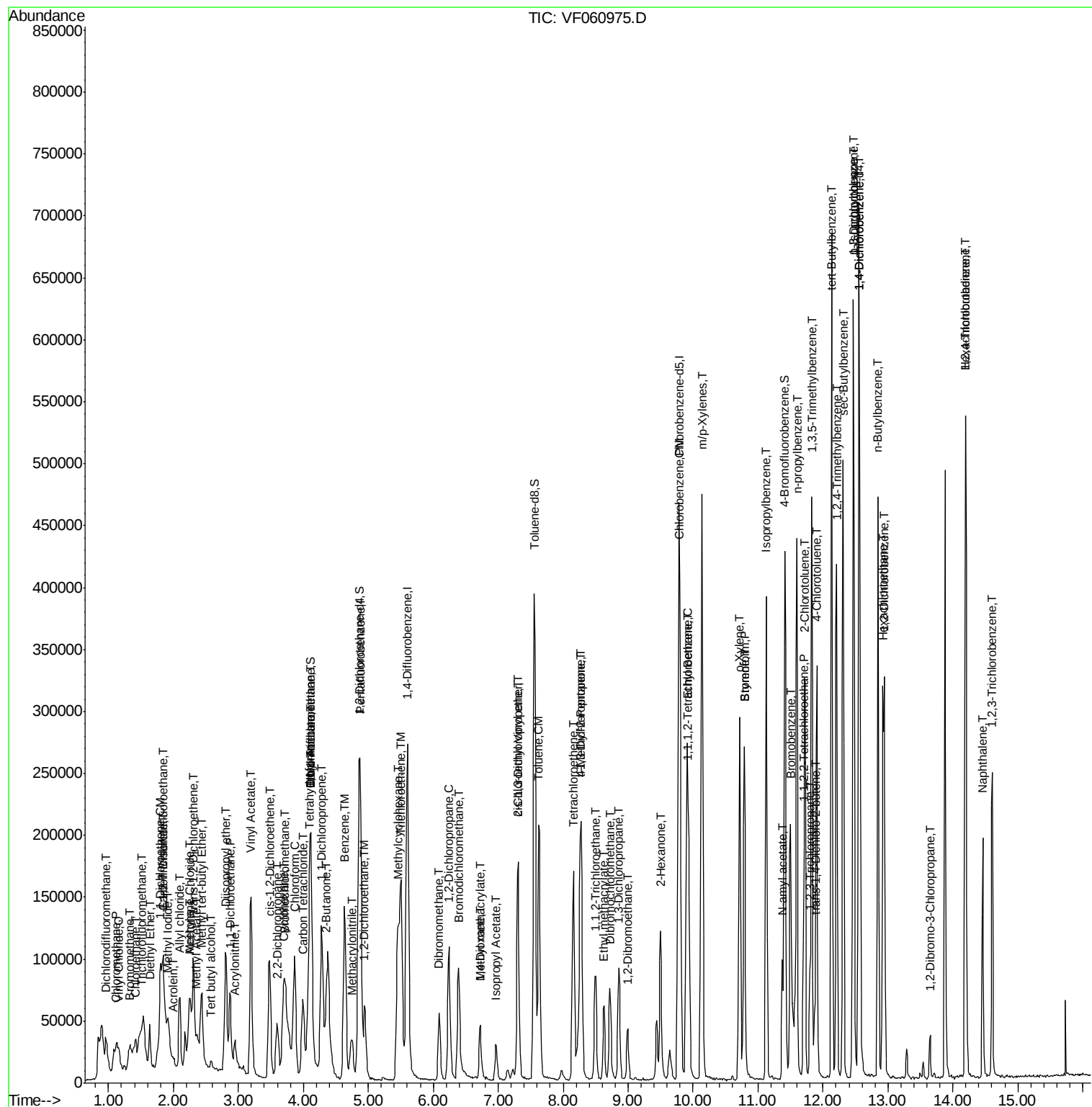
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060975.D
 Acq On : 11 Dec 2018 14:36
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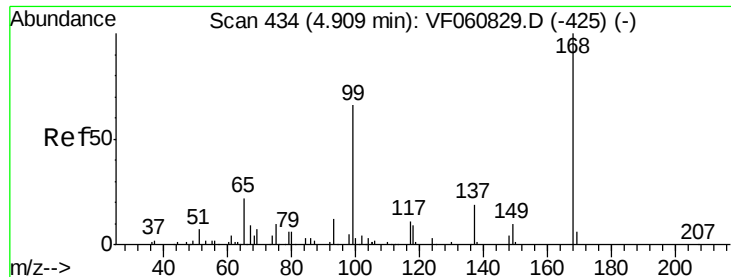
Instrument :
 MSVOA_F
 Client Sample Id :
 VF1211SBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

Tot Ion:168 Resp: 191488

Ion Ratio Lower Upper

168 100

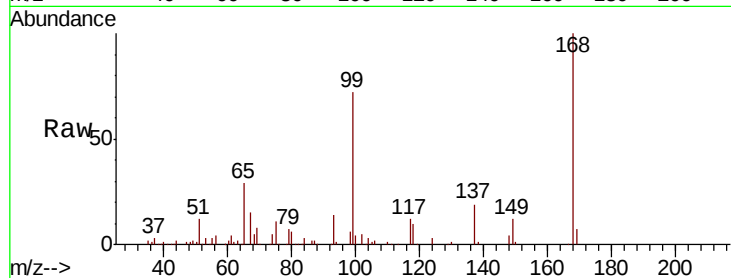
99 71.9 52.6 79.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

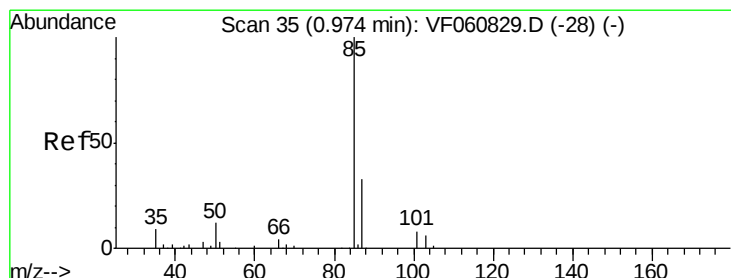
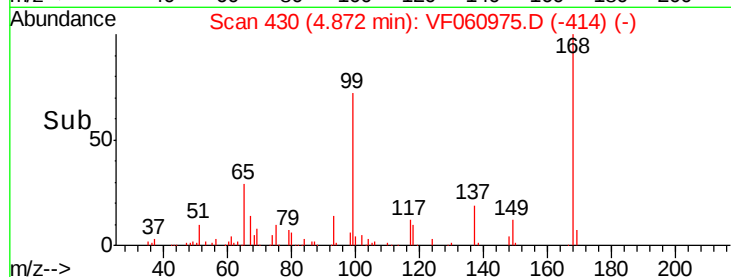
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 20.169 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060975.D

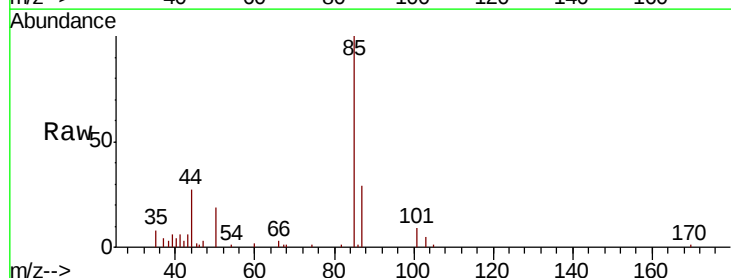
Acq: 11 Dec 2018 14:36

Tgt Ion: 85 Resp: 57746

Ion Ratio Lower Upper

85 100

87 28.7 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

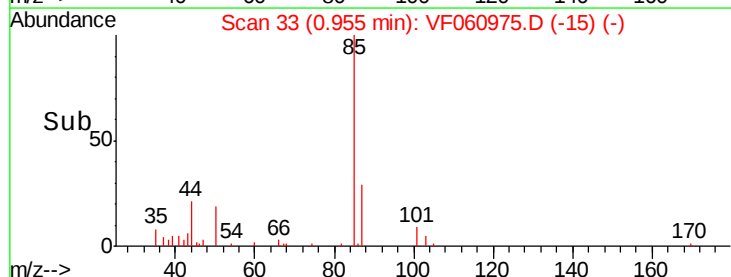
15000

10000

5000

0

Time--> 0.90 1.00 1.10





#3

Chloromethane

Concen: 20.016 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

Tot Ion: 50 Resp: 37291

Ion Ratio Lower Upper

50 100

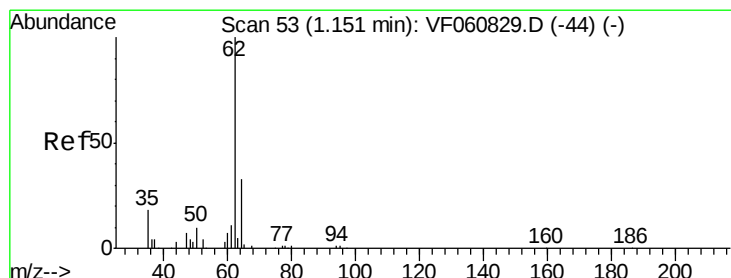
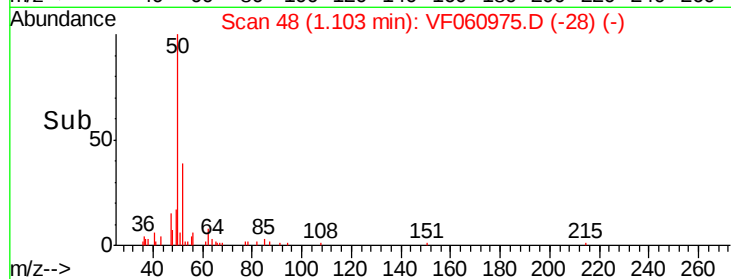
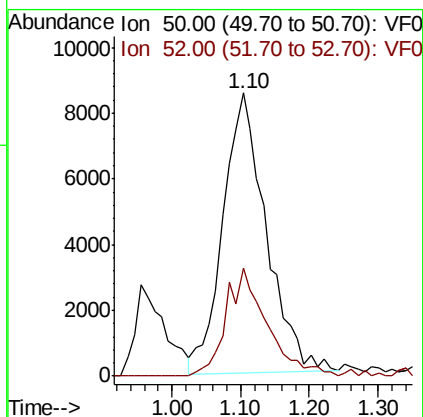
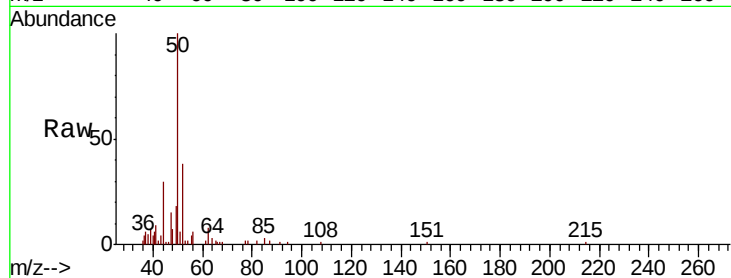
52 38.1 27.0 40.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.175 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060975.D

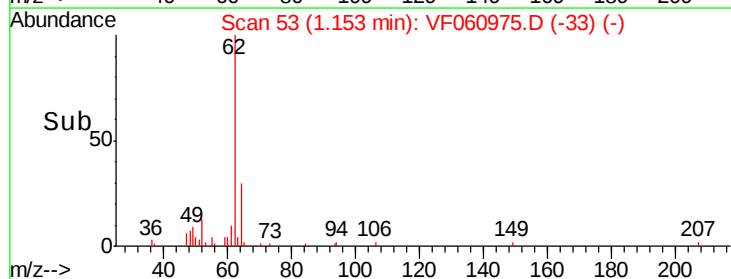
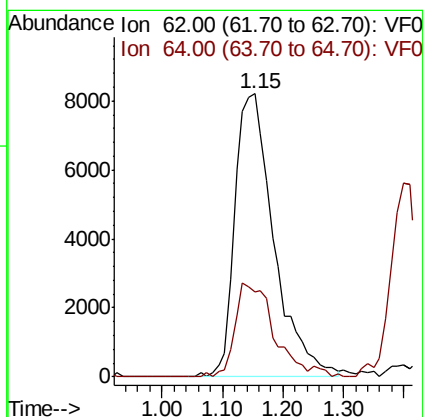
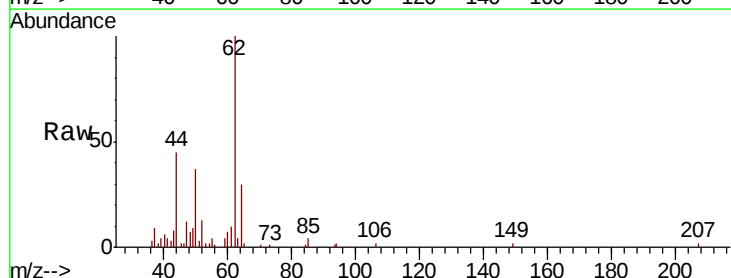
Acq: 11 Dec 2018 14:36

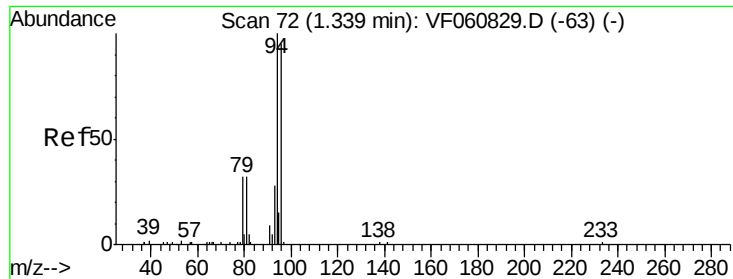
Tgt Ion: 62 Resp: 36799

Ion Ratio Lower Upper

62 100

64 29.8 26.4 39.6





#5

Bromomethane

Concen: 21.878 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBSD01

Tot Ion: 94 Resp: 26810

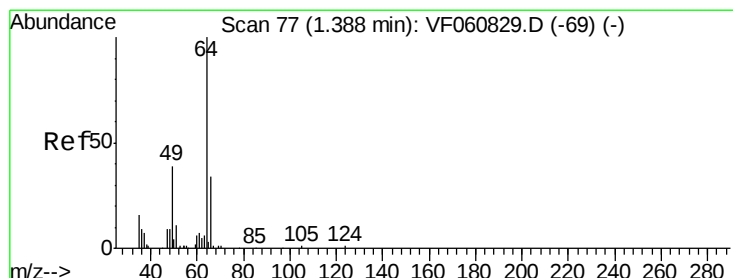
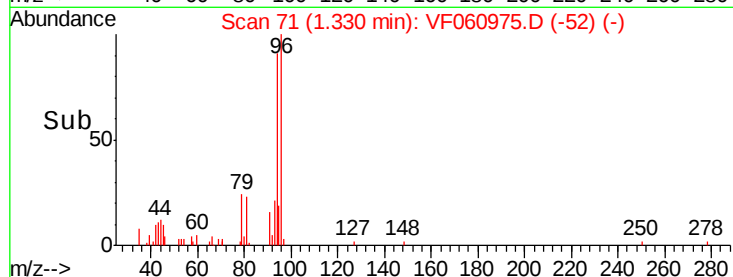
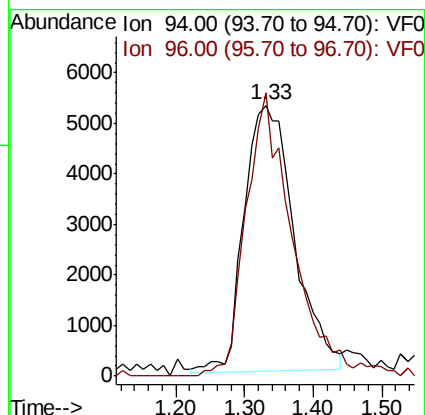
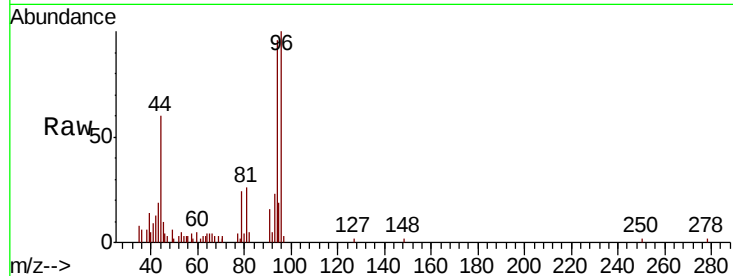
Ion Ratio Lower Upper

94 100

96 104.4 75.9 113.9

Manual Integrations
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#6

Chloroethane

Concen: 26.332 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060975.D

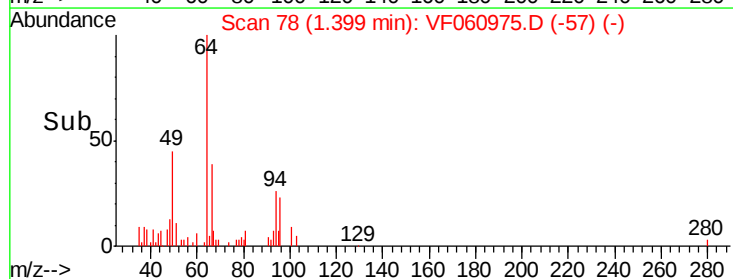
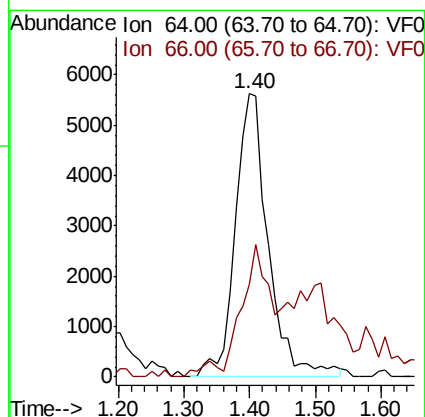
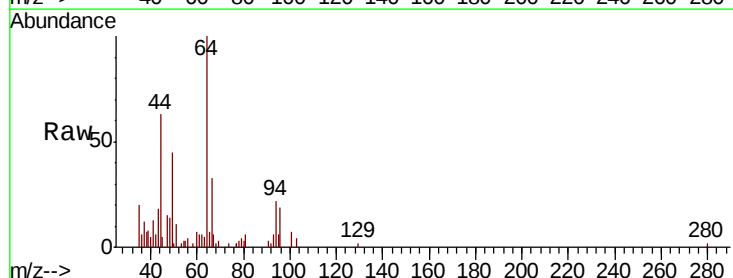
Acq: 11 Dec 2018 14:36

Tgt Ion: 64 Resp: 19781

Ion Ratio Lower Upper

64 100

66 32.8 28.1 42.1





#7

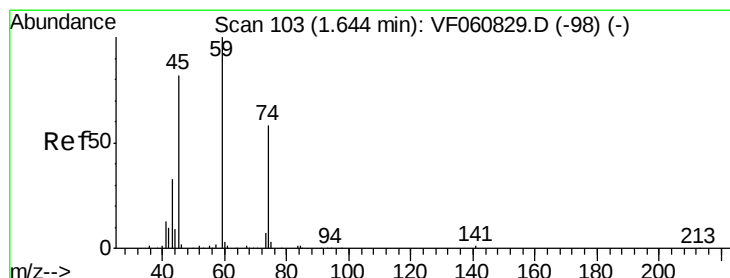
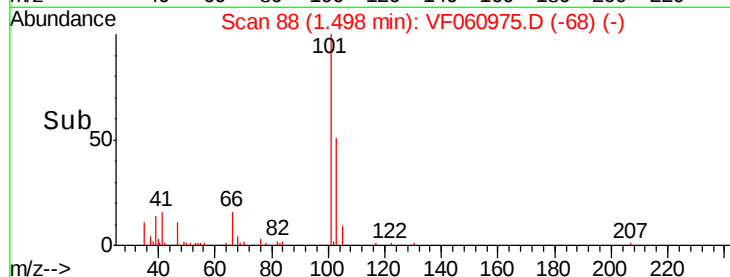
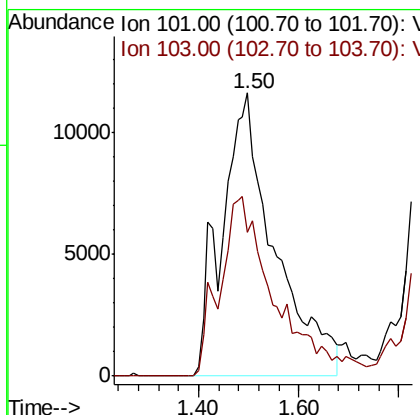
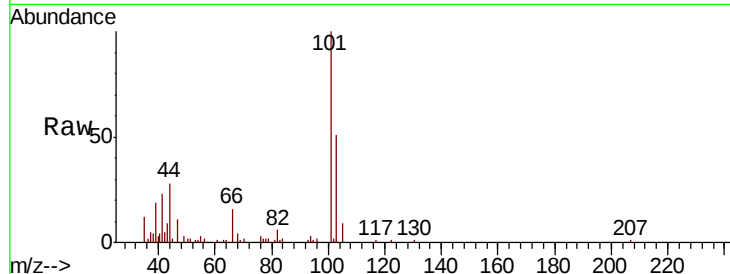
Trichlorofluoromethane
Concen: 22.867 ug/l m
RT: 1.50 min Scan# 88
Delta R.T. 0.00 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBSD01

Tot Ion:101 Resp: 85266
Ion Ratio Lower Upper
101 100
103 51.0 55.4 83.0#

Manual Integrations
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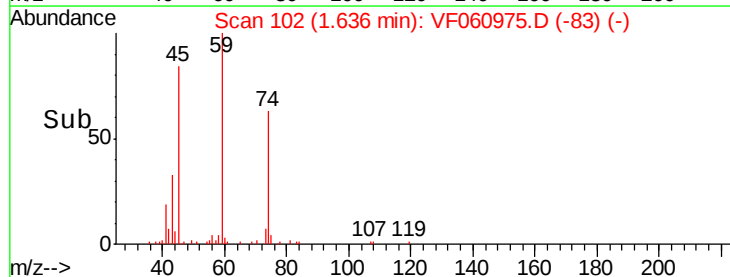
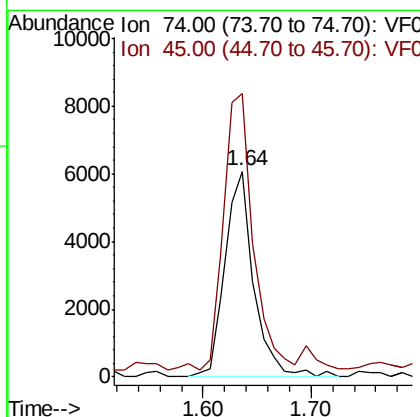
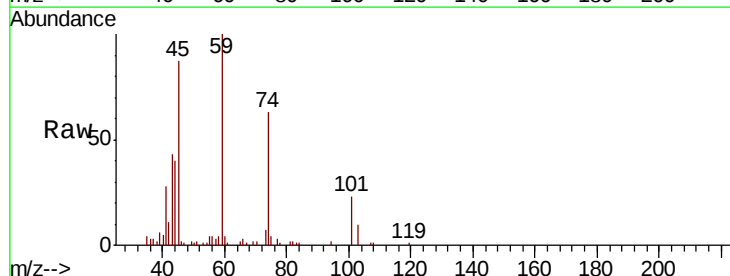
MMDadoda
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#8

Diethyl Ether
Concen: 21.071 ug/l
RT: 1.64 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion: 74 Resp: 11298
Ion Ratio Lower Upper
74 100
45 137.9 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.741 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

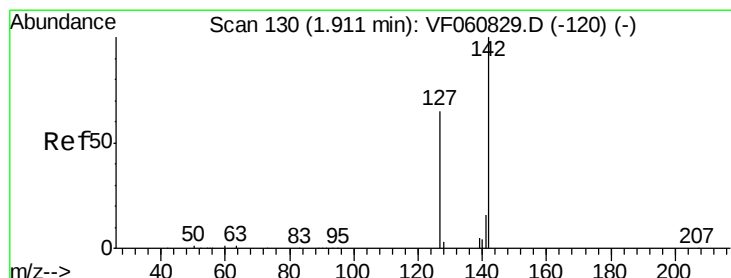
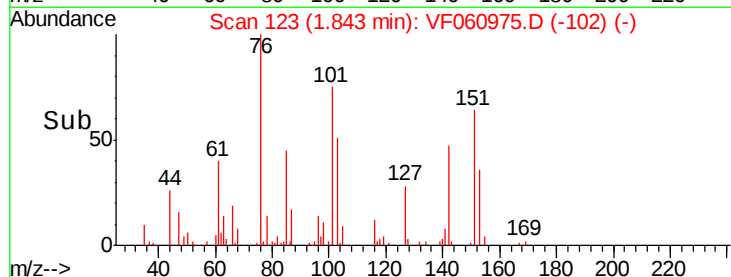
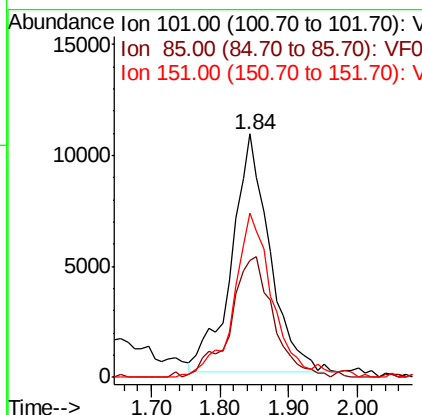
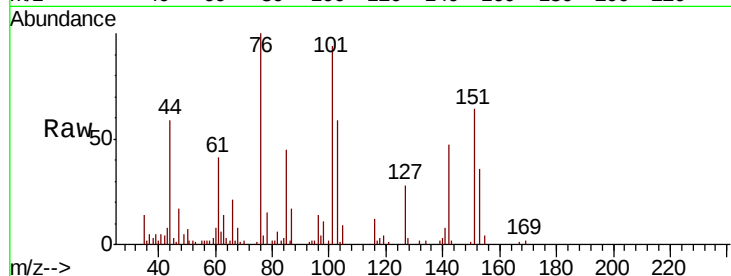
ClientSampleId :

VF1211SBS01

Tot Ion:	101	Resp:	40982
Ion Ratio	Lower	Upper	
101	100		
85	48.0	42.8	64.2
151	67.6	54.4	81.6

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#10

Methyl Iodide

Concen: 23.069 ug/l m

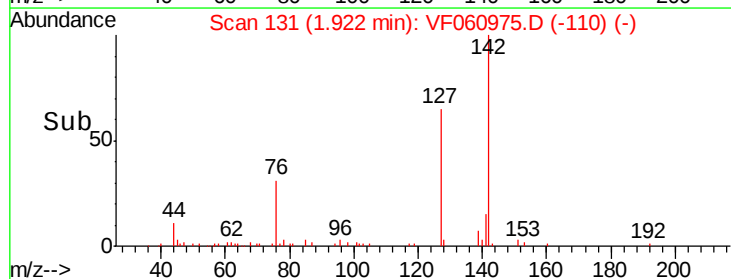
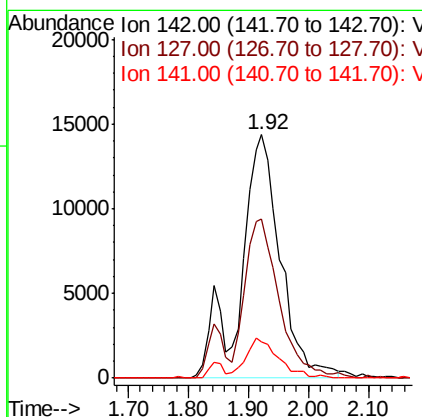
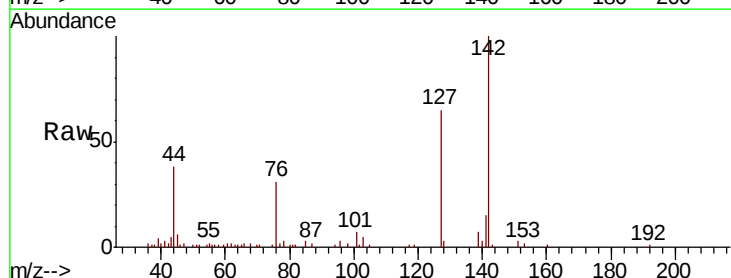
RT: 1.92 min Scan# 131

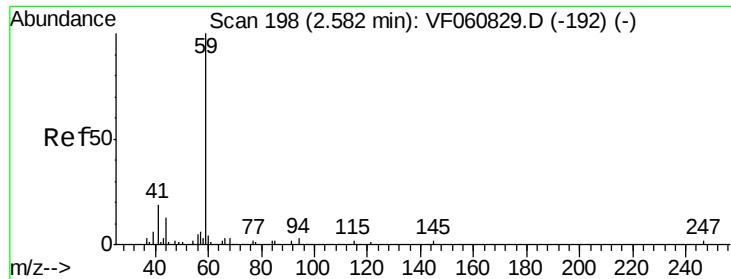
Delta R.T. 0.01 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion:	142	Resp:	66099
Ion Ratio	Lower	Upper	
142	100		
127	65.4	51.9	77.9
141	14.8	12.7	19.1





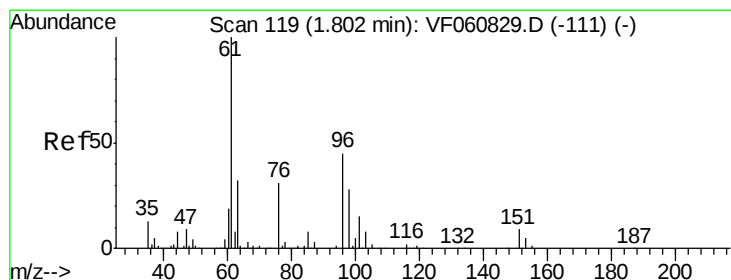
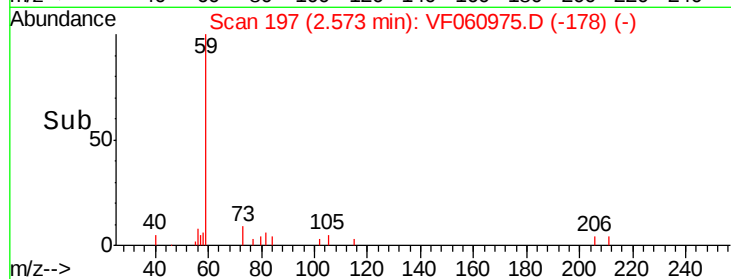
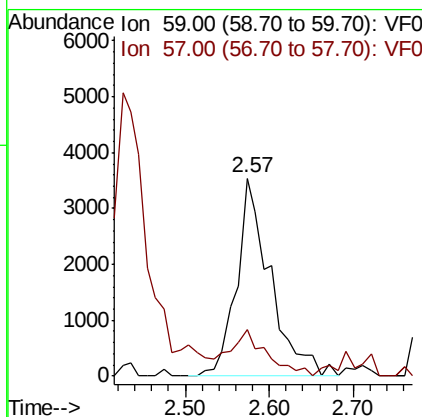
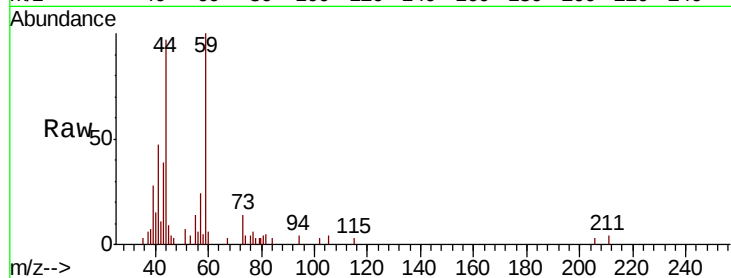
#11
Tert butyl alcohol
Concen: 106.877 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBS01

Tot Ion: 59 Resp: 9883
Ion Ratio Lower Upper
59 100
57 23.6 12.7 19.1#

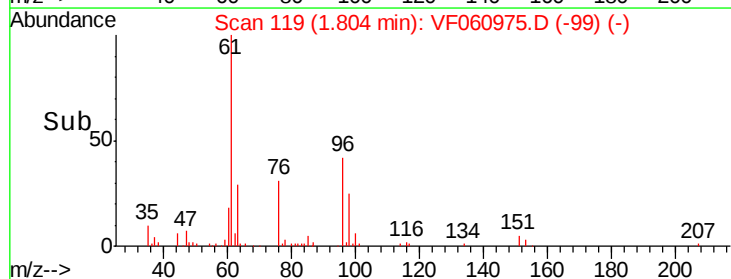
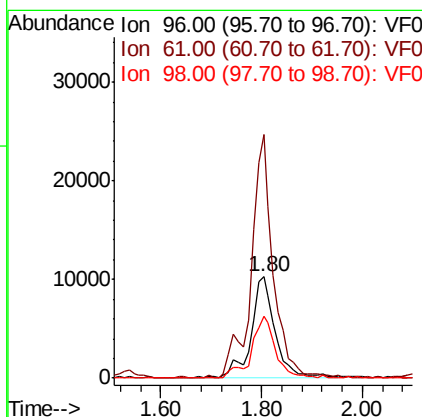
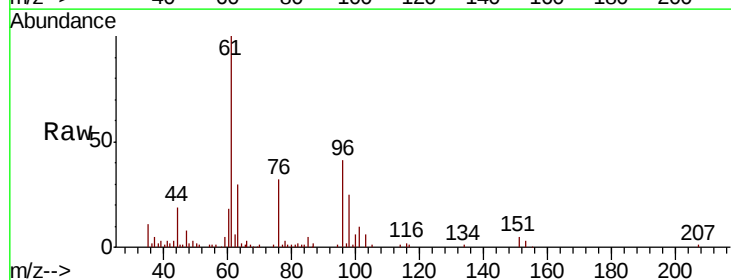
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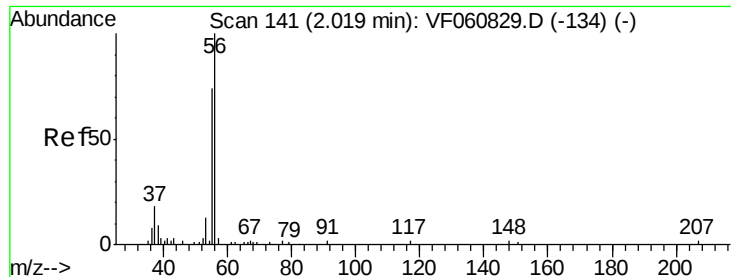
MMDadoda
12/12/2018 1:27:45 PM



#12
1,1-Dichloroethene
Concen: 22.873 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion: 96 Resp: 34680
Ion Ratio Lower Upper
96 100
61 241.2 177.3 265.9
98 61.1 49.6 74.4





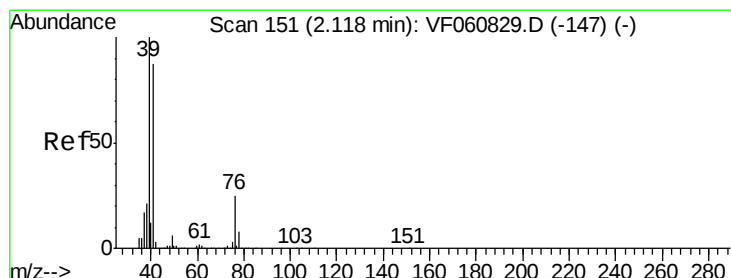
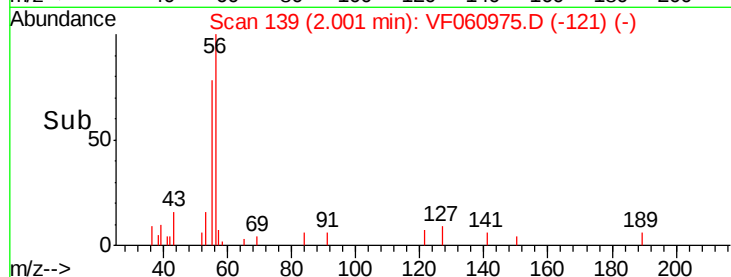
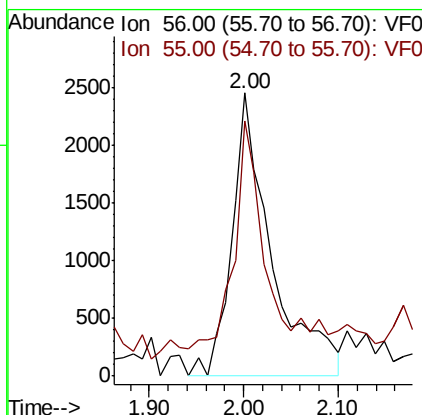
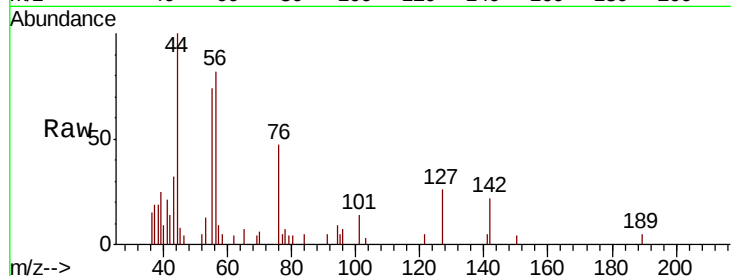
#13
Acrolein
Concen: 81.906 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBSD01

Tot Ion: 56 Resp: 7176
Ion Ratio Lower Upper
56 100
55 90.0 61.2 91.8

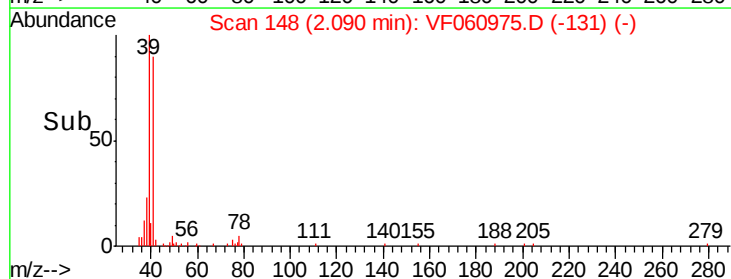
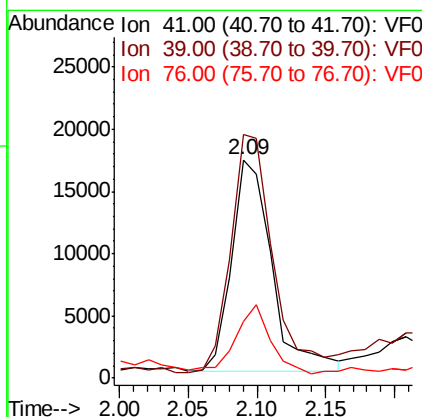
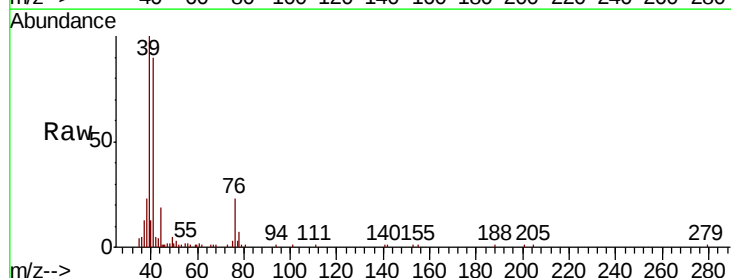
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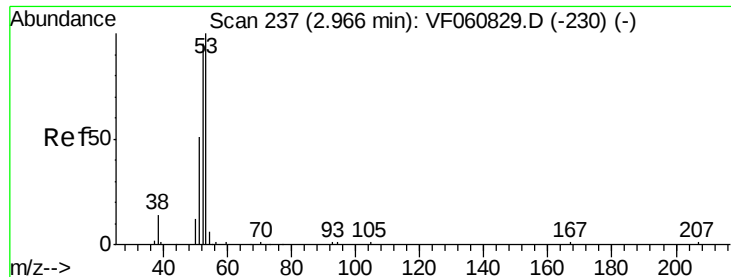
MMDadoda
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#14
Allyl chloride
Concen: 18.423 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion: 41 Resp: 34817
Ion Ratio Lower Upper
41 100
39 111.7 91.7 137.5
76 25.9 23.5 35.3





#15

Acrylonitrile

Concen: 107.105 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

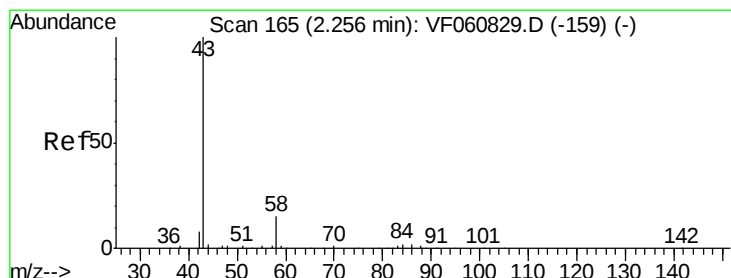
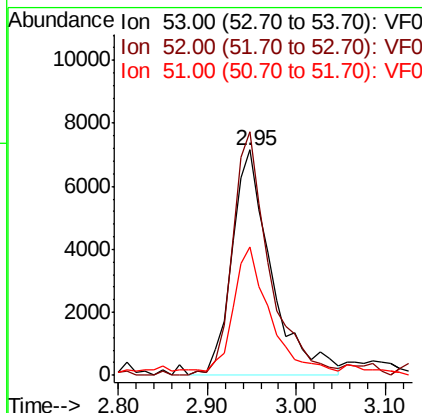
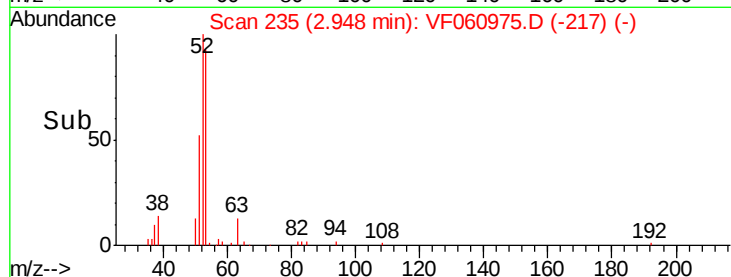
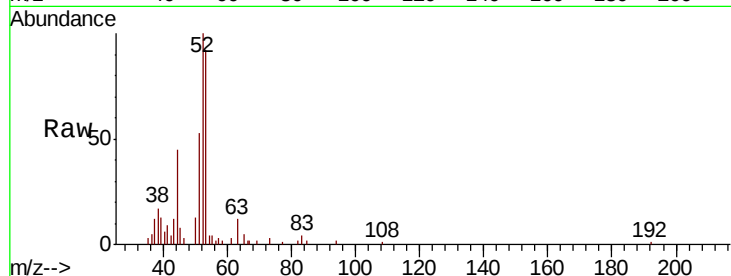
ClientSampleId :

VF1211SBS01

Tot Ion:	53	Resp:	22204
Ion	Ratio	Lower	Upper
53	100		
52	108.2	76.5	114.7
51	57.1	40.7	61.1

Manual Integrations
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#16

Acetone

Concen: 124.542 ug/l

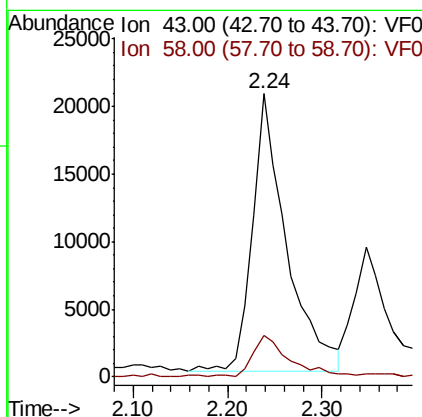
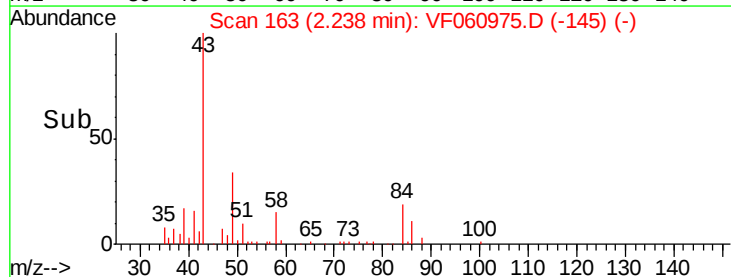
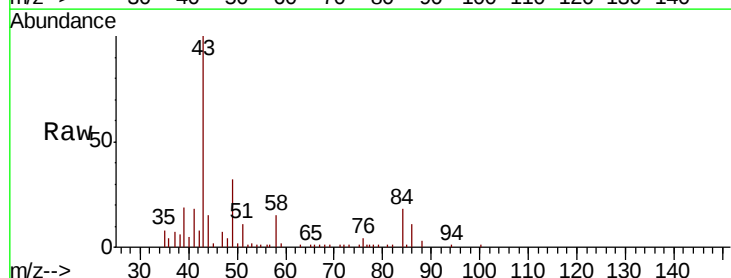
RT: 2.24 min Scan# 163

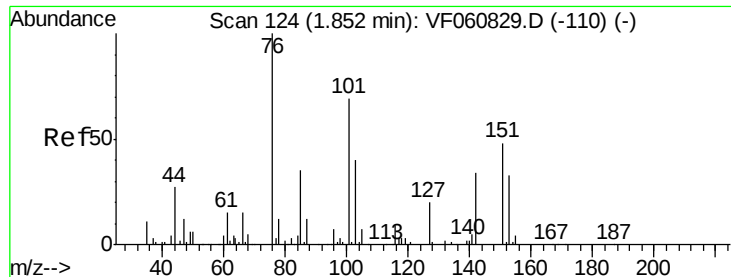
Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion:	43	Resp:	51807
Ion	Ratio	Lower	Upper
43	100		
58	14.7	11.4	17.2





#17

Carbon Disulfide

Concen: 22.654 ug/l m

RT: 1.83 min Scan# 122

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tot Ion: 76 Resp: 92099

Ion Ratio Lower Upper

76 100

78 11.5 10.2 15.2

Instrument :

MSVOA_F

ClientSampleId :

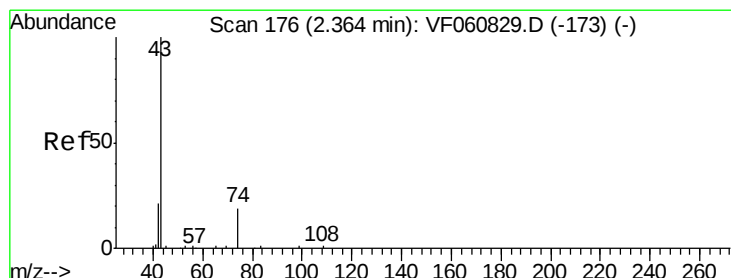
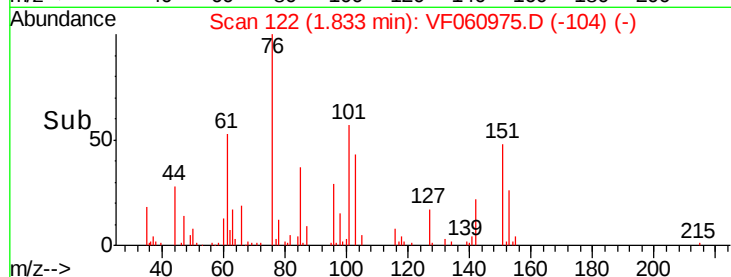
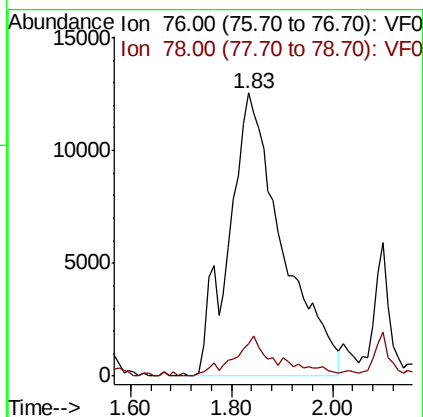
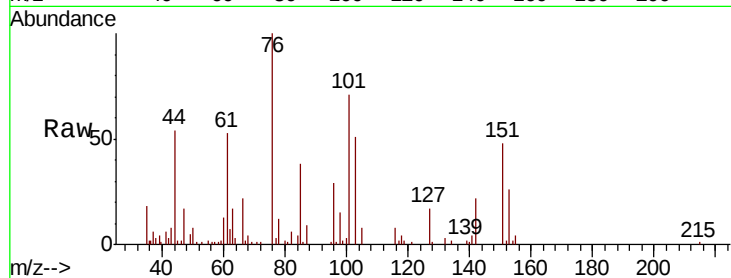
VF1211SBS01

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#18

Methyl Acetate

Concen: 26.200 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.02 min

Lab File: VF060975.D

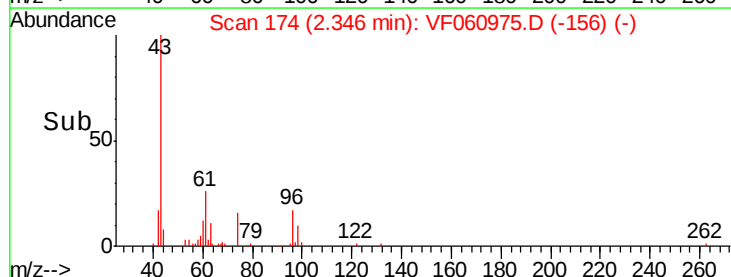
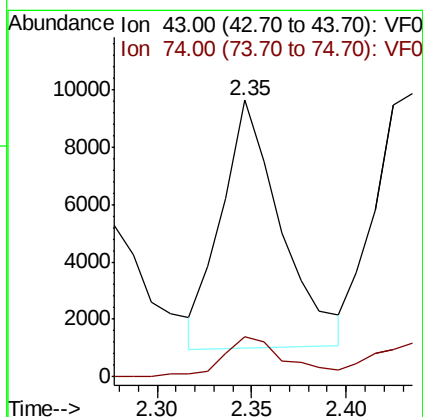
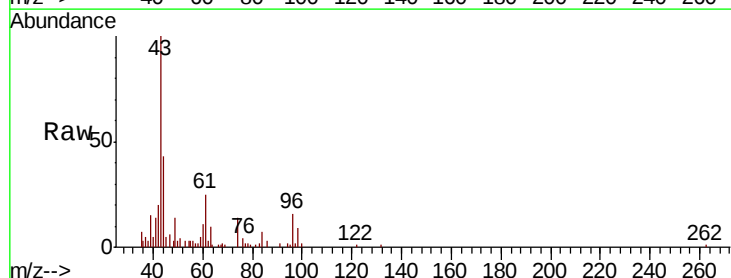
Acq: 11 Dec 2018 14:36

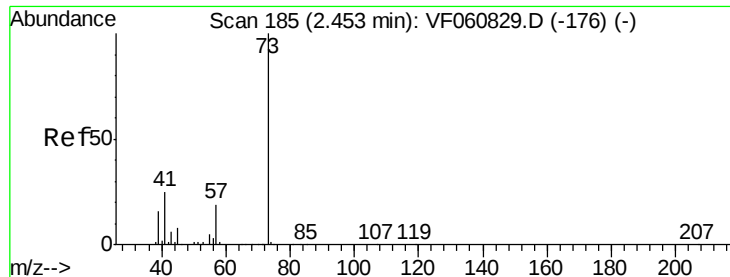
Tgt Ion: 43 Resp: 18833

Ion Ratio Lower Upper

43 100

74 14.5 13.3 19.9





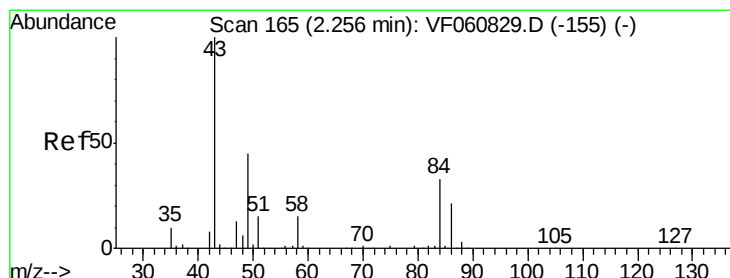
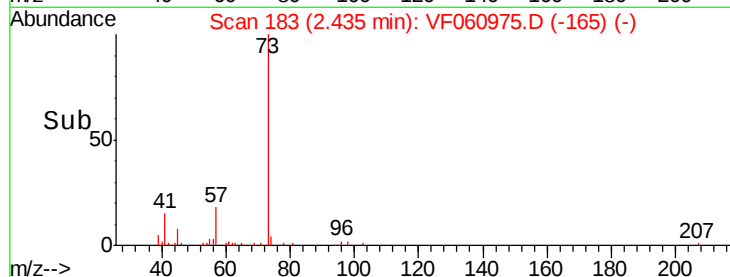
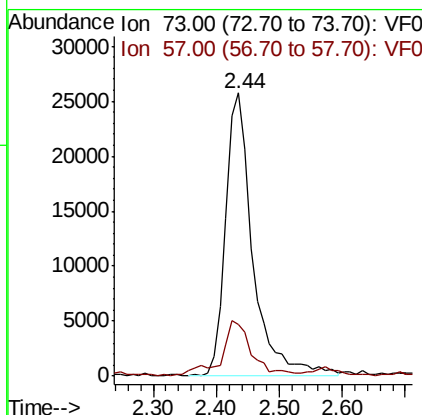
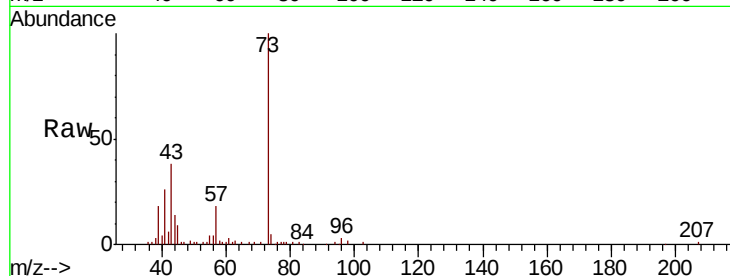
#19
Methvl tert-butvl Ether
Concen: 22.584 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBSD01

Tot Ion: 73 Resp: 77123
Ion Ratio Lower Upper
73 100
57 18.4 15.3 22.9

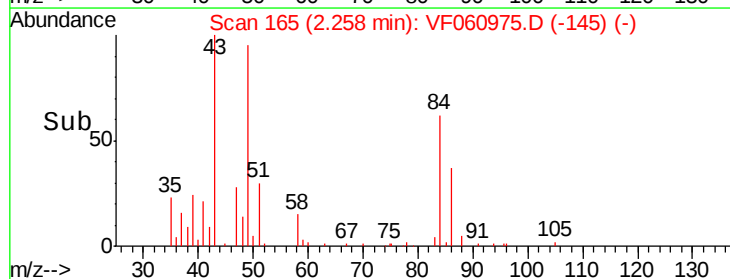
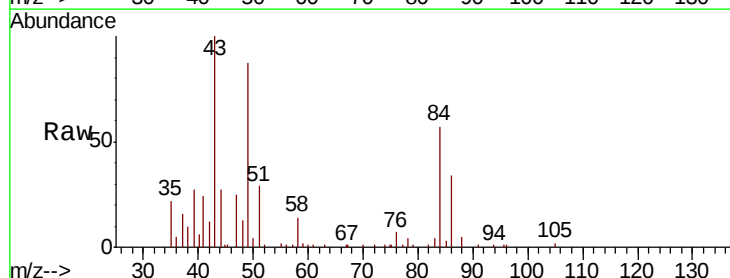
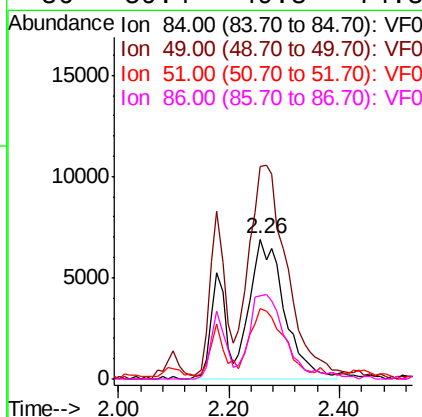
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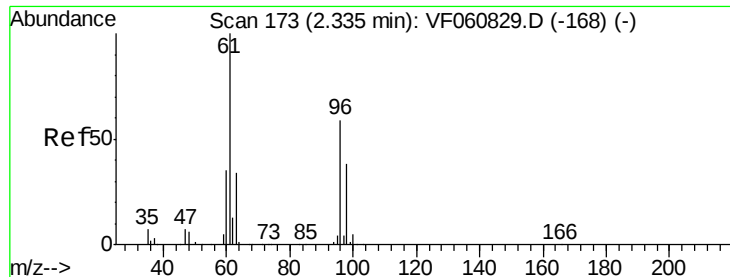
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#20
Methylene Chloride
Concen: 25.939 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion: 84 Resp: 39584
Ion Ratio Lower Upper
84 100
49 152.0 111.3 166.9
51 50.4 38.0 57.0
86 59.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 17.798 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

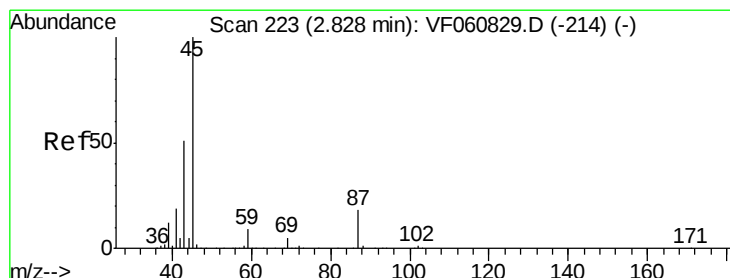
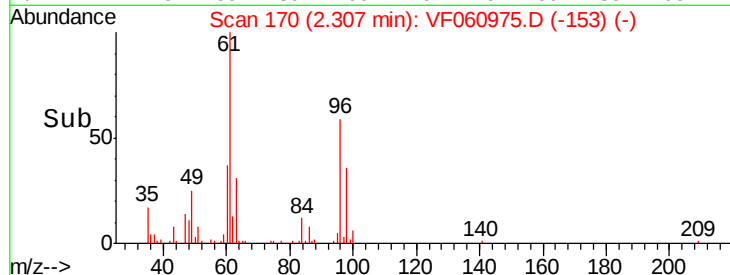
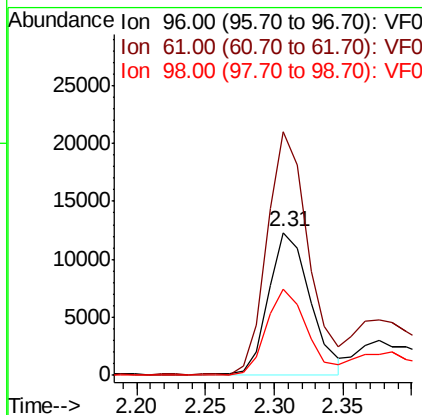
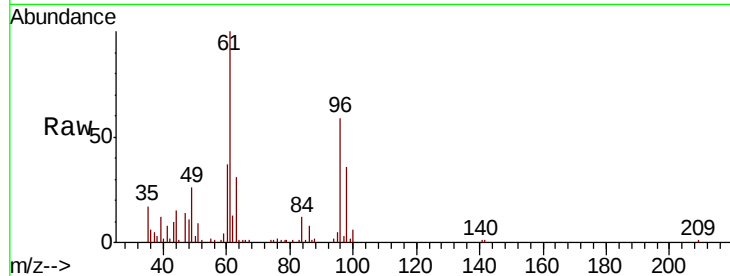
ClientSampleId :

VF1211SBSD01

Tot Ion:	96	Resp:	26016
Ion	Ratio	Lower	Upper
96	100		
61	170.9	134.5	201.7
98	60.9	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.117 ug/l

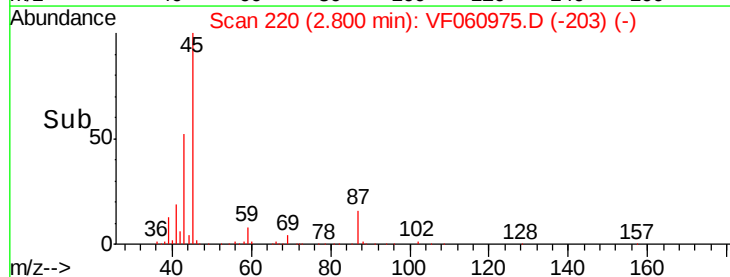
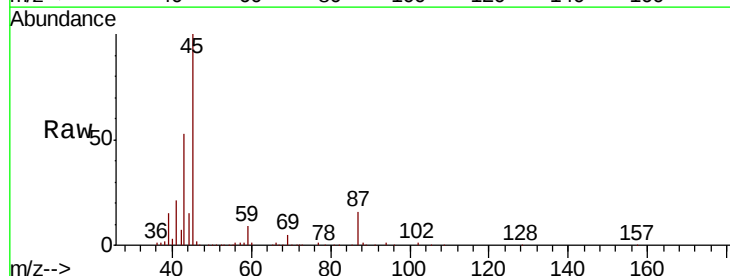
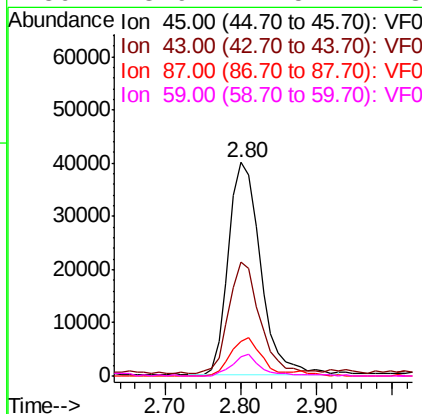
RT: 2.80 min Scan# 220

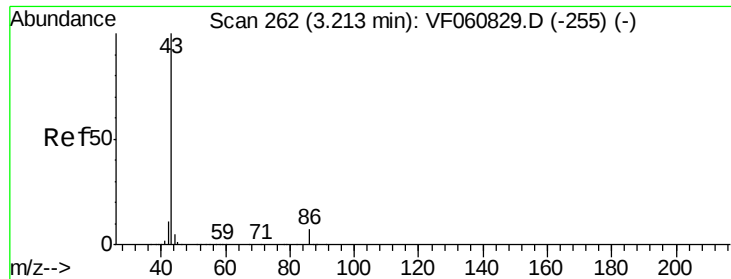
Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion:	45	Resp:	118917
Ion	Ratio	Lower	Upper
45	100		
43	53.4	41.0	61.6
87	16.2	14.6	22.0
59	8.9	7.5	11.3





#23

Vinyl Acetate

Concen: 124.452 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBSD01

Tot Ion: 43 Resp: 292638

Ion Ratio Lower Upper

43 100

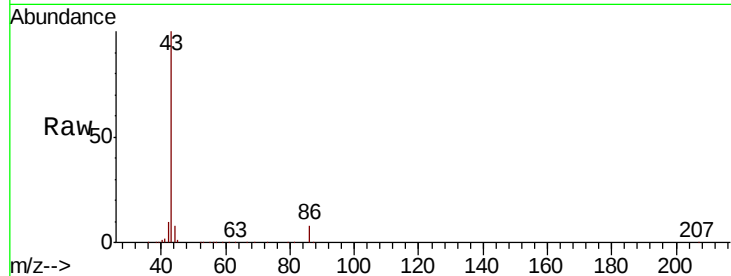
86 8.2 5.4 8.0#

Manual Integrations

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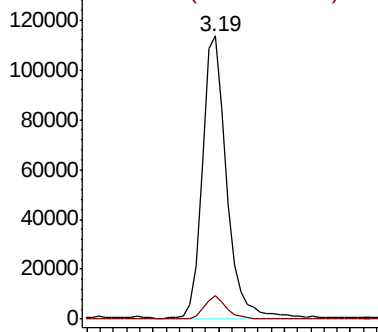
MMDadoda

12/12/2018 1:27:45 PM

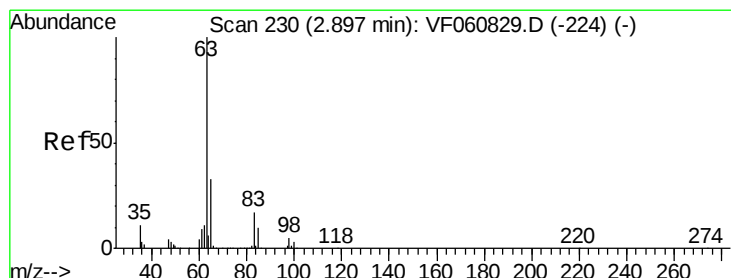
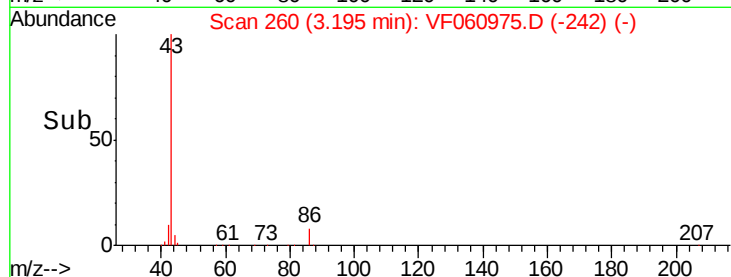


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 21.748 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

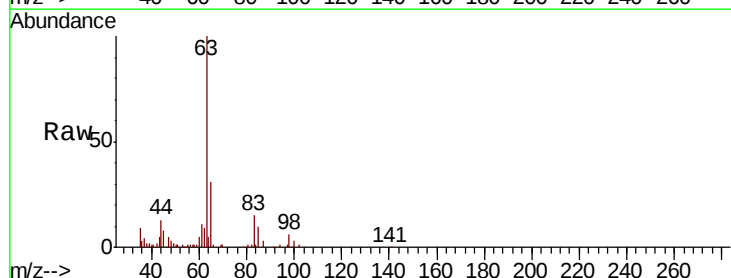
Tgt Ion: 63 Resp: 66560

Ion Ratio Lower Upper

63 100

98 5.9 2.7 8.1

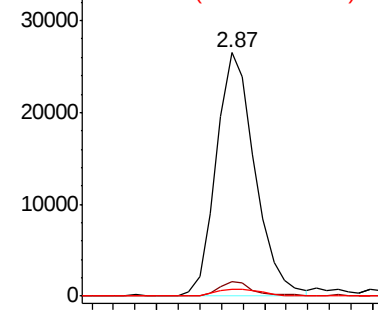
100 2.7 1.5 4.5



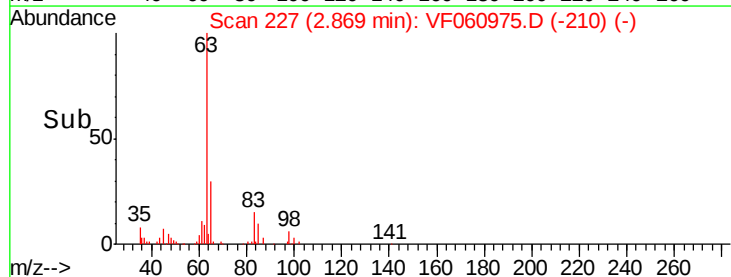
Abundance Ion 63.00 (62.70 to 63.70): VF0

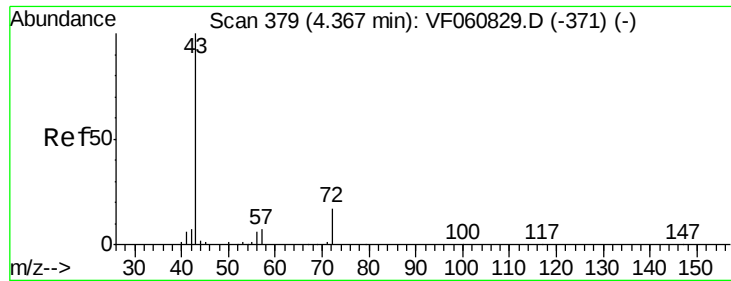
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#25

2-Butanone

Concen: 118.392 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBSD01

Tot Ion: 43 Resp: 85183

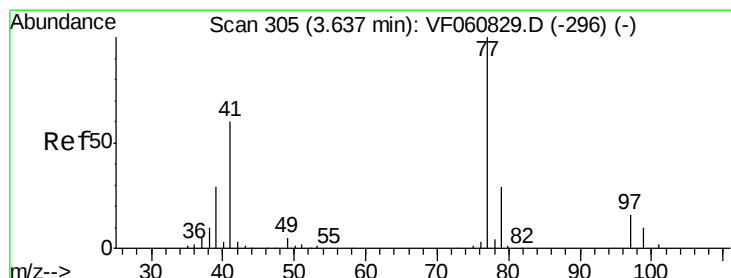
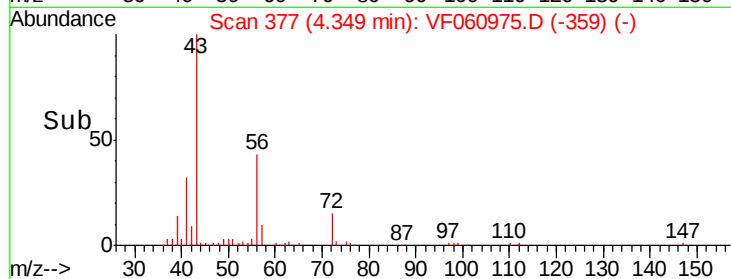
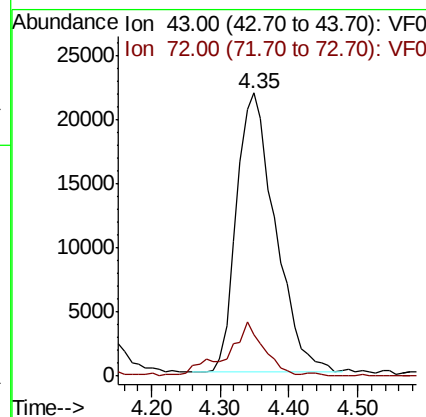
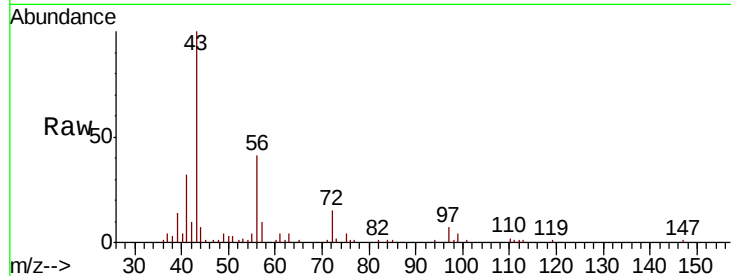
Ion Ratio Lower Upper

43 100

72 14.8 15.4 23.2#

Manual Integrations
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12/12/2018 1:27:45 PM



#26

2,2-Dichloropropane

Concen: 21.804 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.04 min

Lab File: VF060975.D

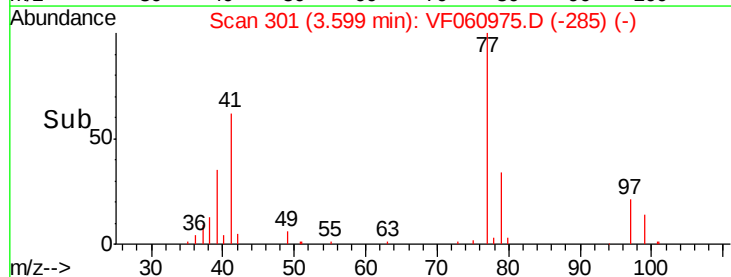
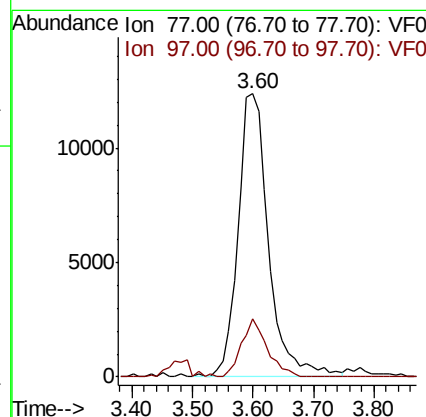
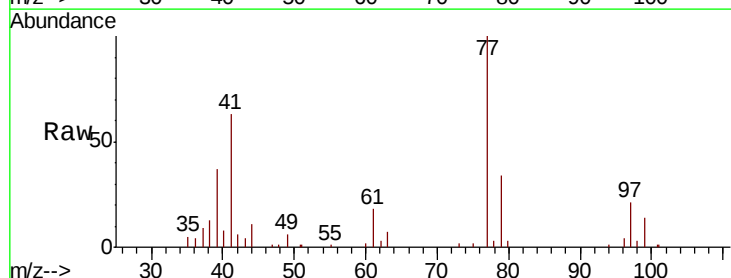
Acq: 11 Dec 2018 14:36

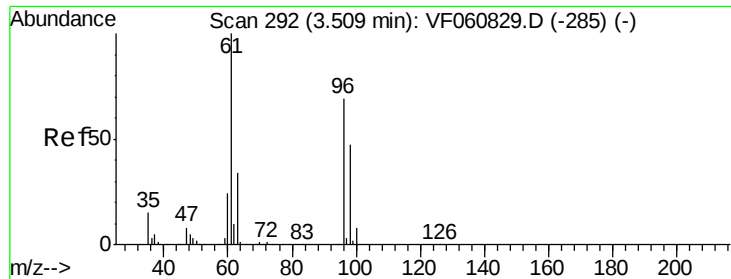
Tgt Ion: 77 Resp: 43263

Ion Ratio Lower Upper

77 100

97 20.7 8.6 25.8





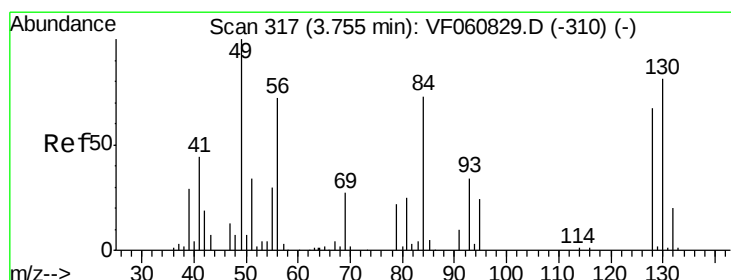
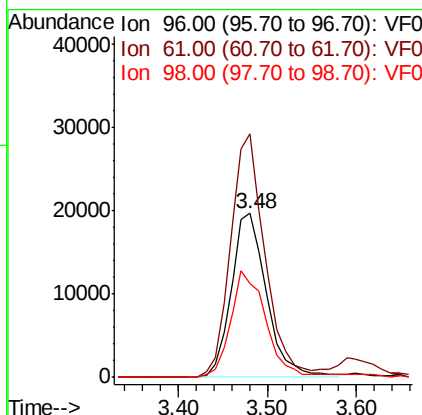
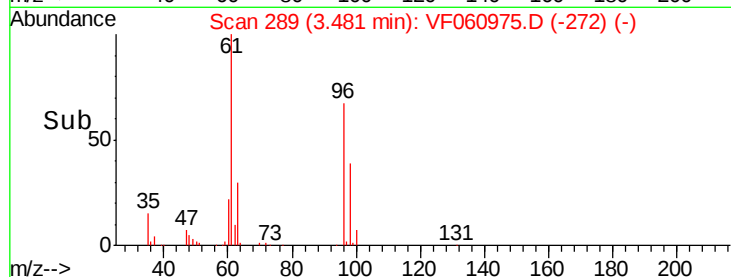
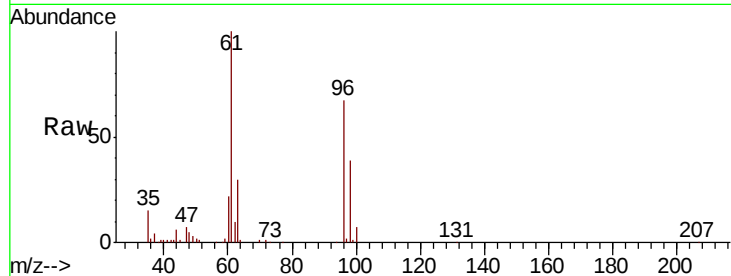
#27
 cis-1,2-Dichloroethene
 Concen: 22.955 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.03 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	54628		
61	148.7		0.0	290.6
98	57.7		0.0	137.8

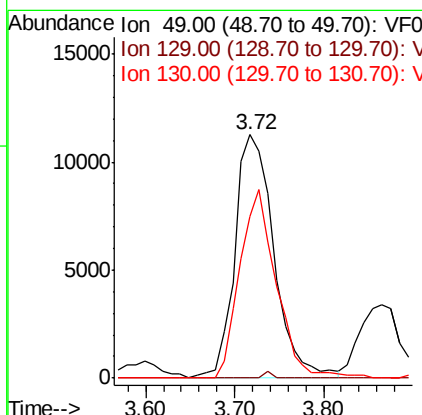
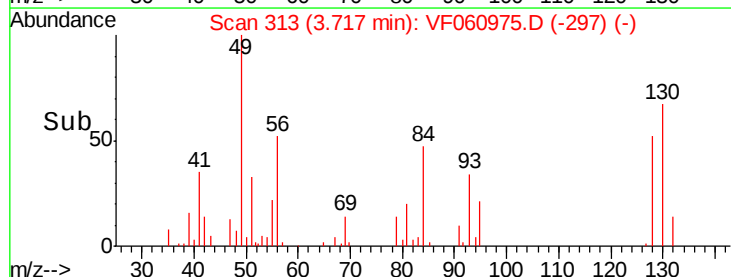
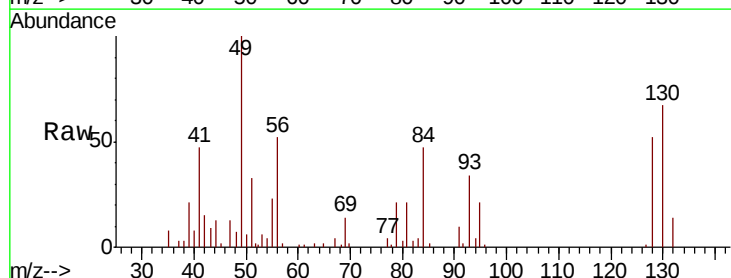
Manual Integrations
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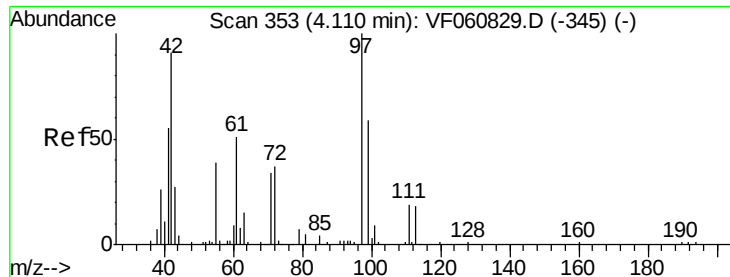
MMDadoda
 12/12/2018 1:27:45 PM



#28
 Bromochloromethane
 Concen: 23.436 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.04 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	34424		
129	0.0		0.0	4.4
130	66.5		64.2	96.4





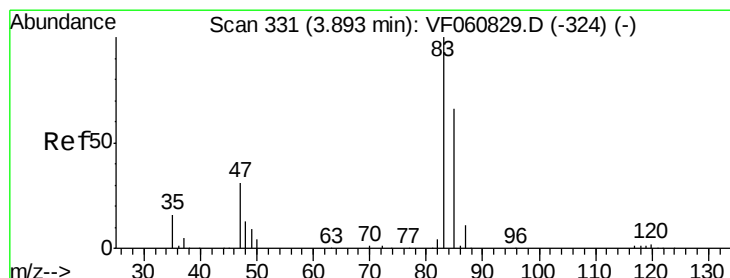
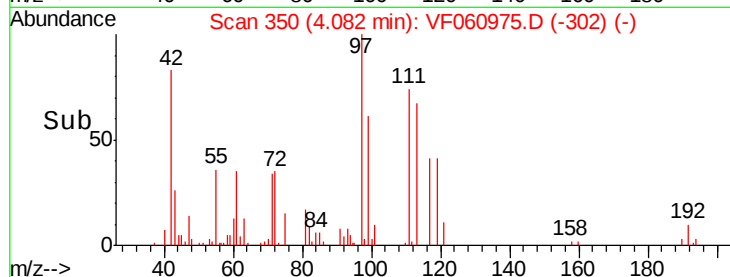
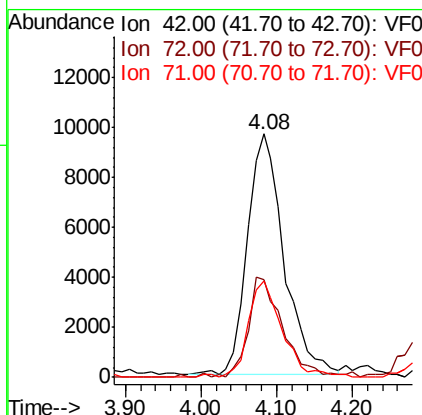
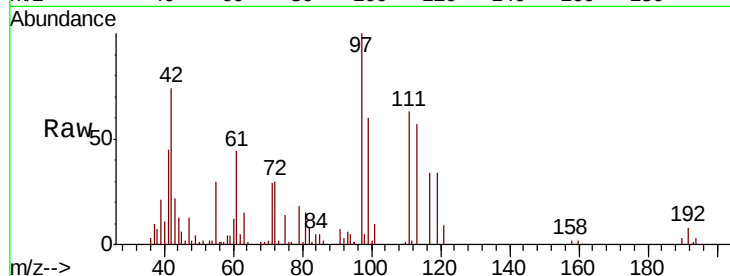
#29
Tetrahydrofuran
Concen: 105.080 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.9	47.9
71	38.0	28.7	43.1

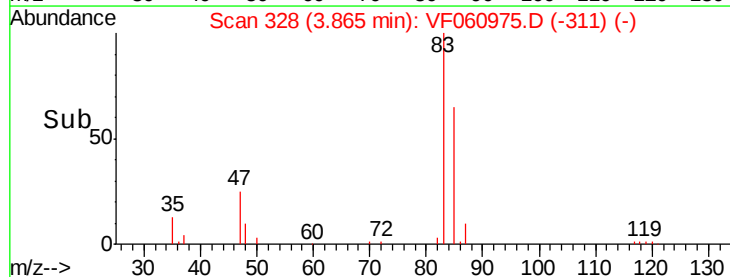
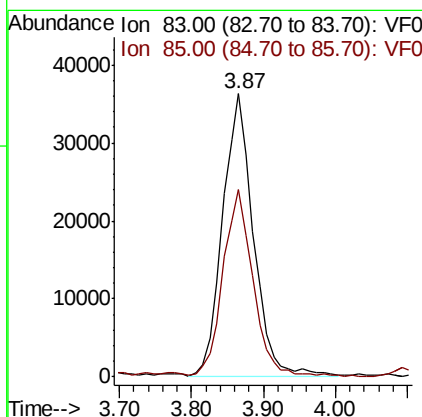
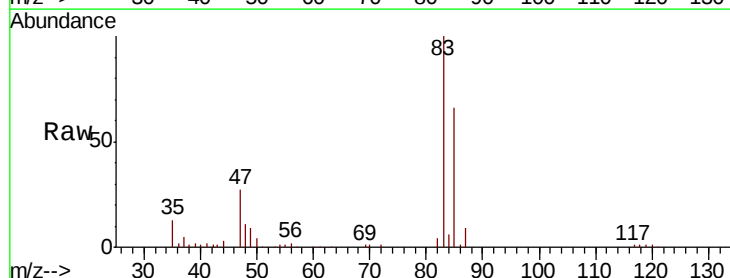
Manual Integrations
APPROVED

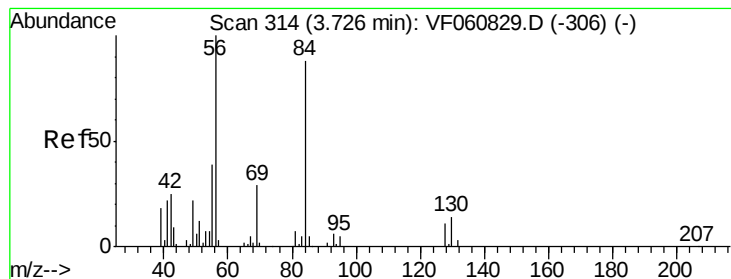
MMDadoda
12/12/2018 1:27:45 PM



#30
Chloroform
Concen: 22.920 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	53.4	80.2





#31

Cyclohexane

Concen: 23.010 ug/l m

RT: 3.69 min Scan# 310

Delta R.T. -0.04 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBSD01

Tot Ion: 56 Resp: 73085

Ion Ratio Lower Upper

56 100

69 30.6 23.0 34.4

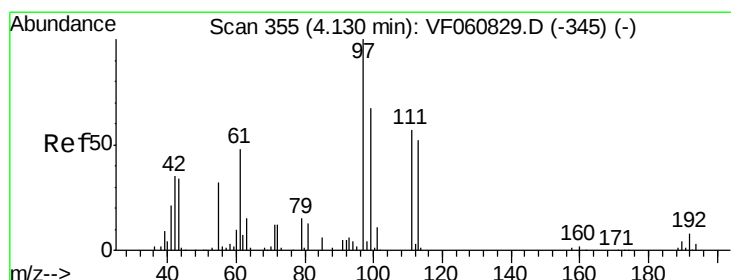
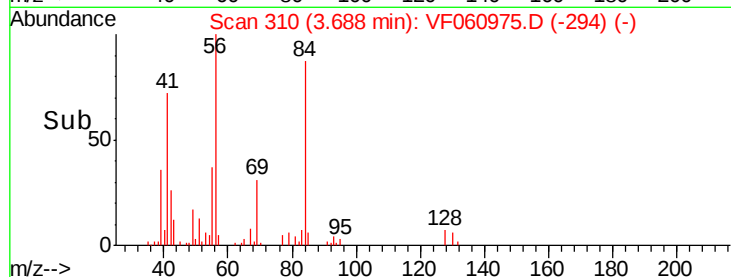
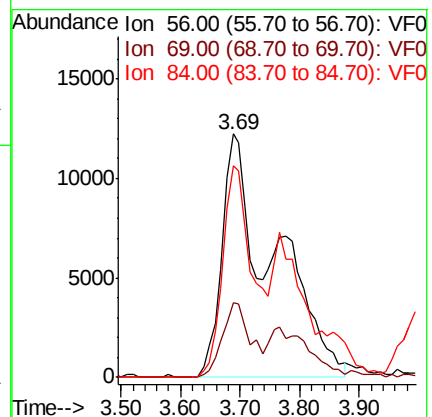
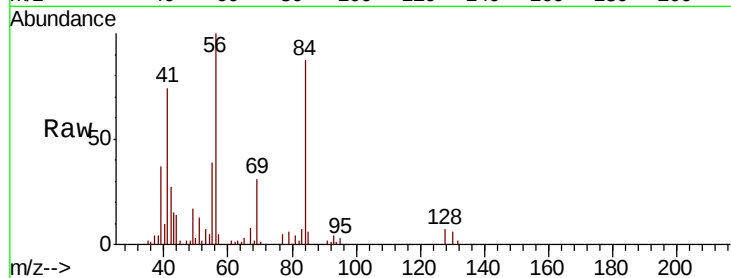
84 86.8 70.4 105.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 17.050 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

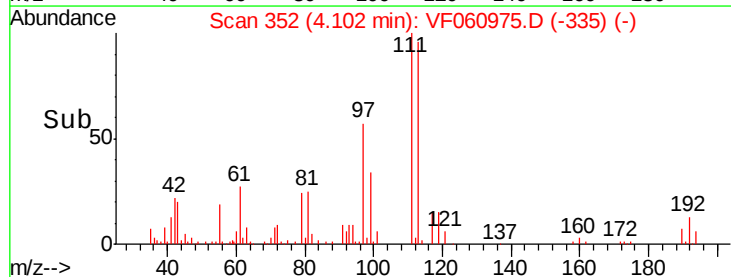
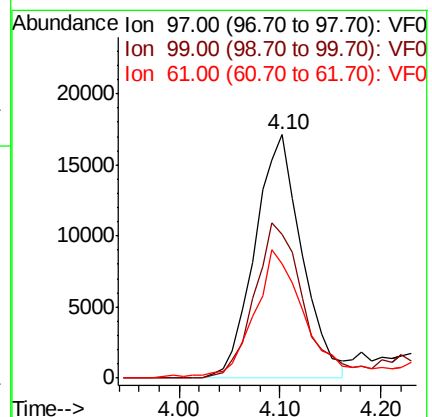
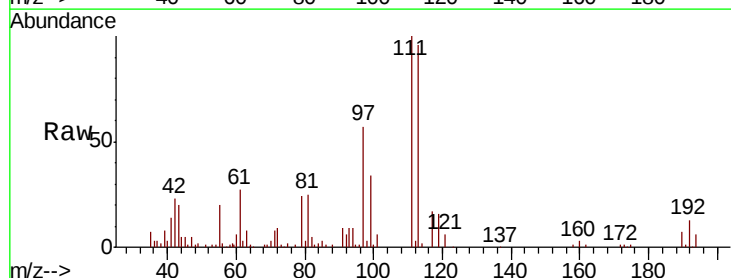
Tgt Ion: 97 Resp: 55699

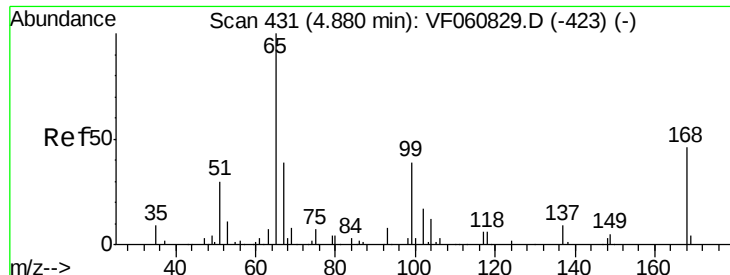
Ion Ratio Lower Upper

97 100

99 58.8 53.5 80.3

61 47.2 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 50.762 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

Tot Ion: 65 Resp: 114508

Ion Ratio Lower Upper

65 100

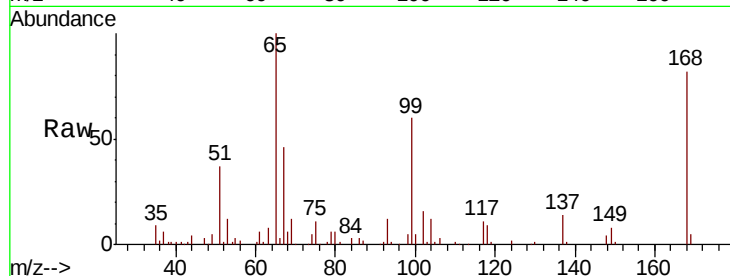
67 46.2 0.0 96.4

Manual Integrations

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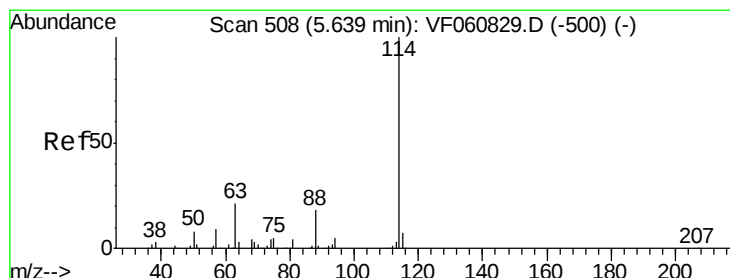
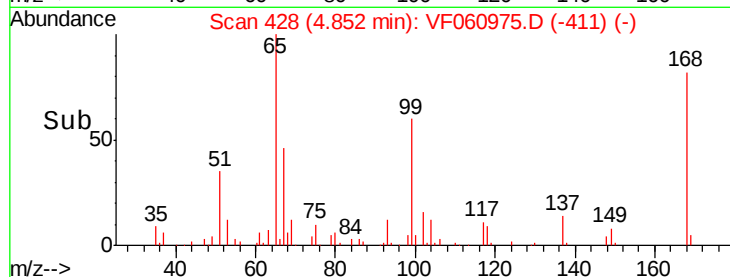
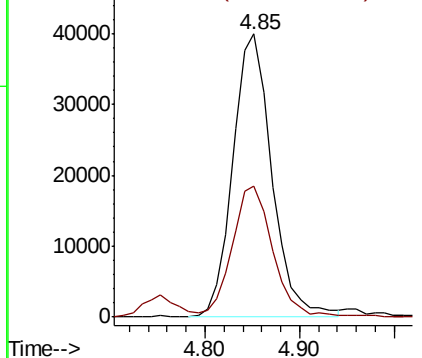
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.04 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

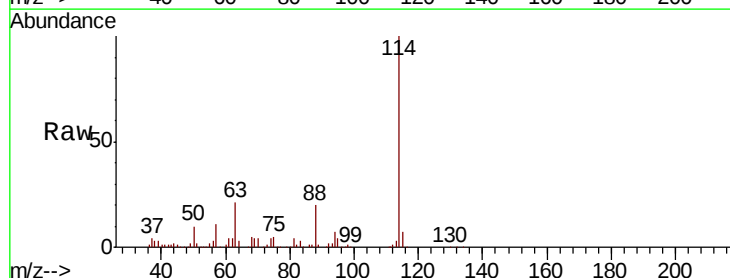
Tgt Ion: 114 Resp: 301164

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.6

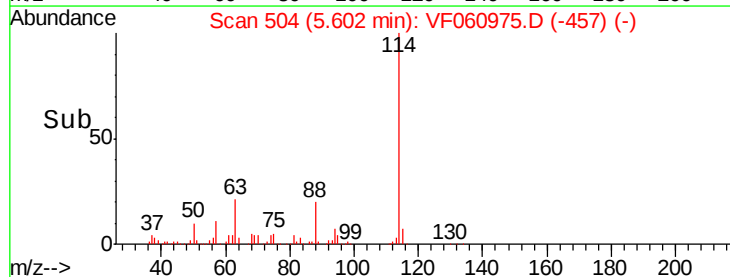
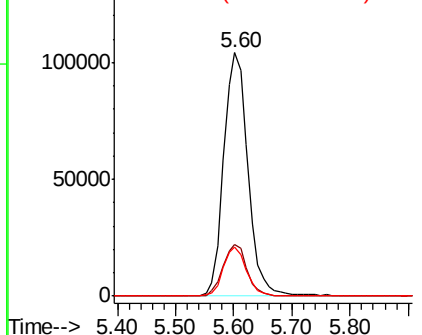
88 20.2 0.0 36.6

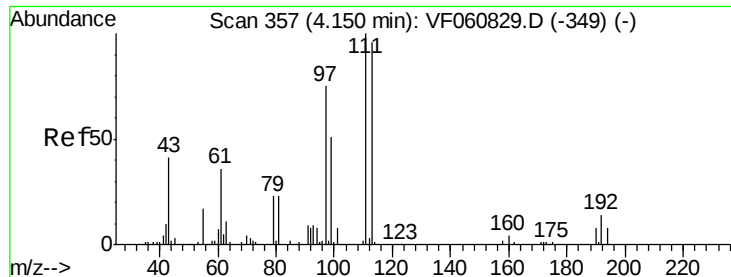


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





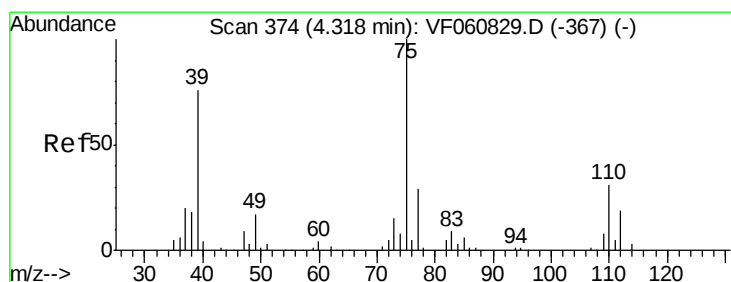
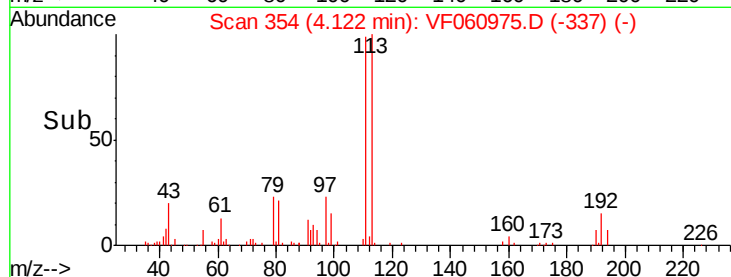
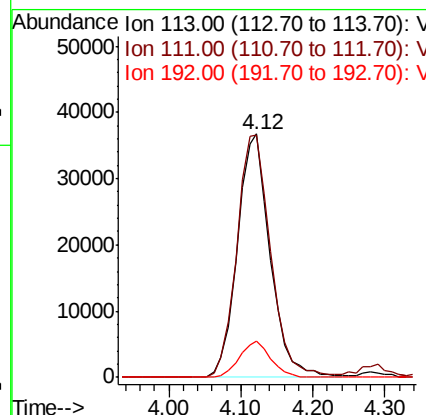
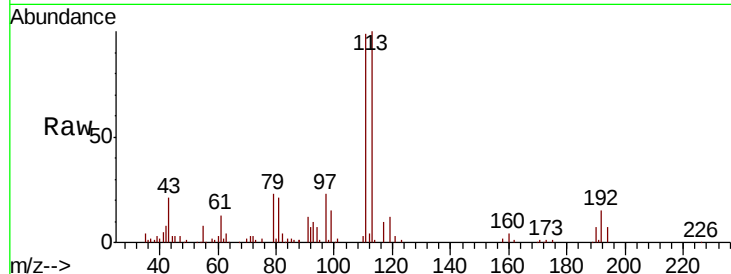
#35
 Dibromofluoromethane
 Concen: 48.581 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.03 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116070		
111	99.4	83.0	124.6	
192	15.0	12.3	18.5	

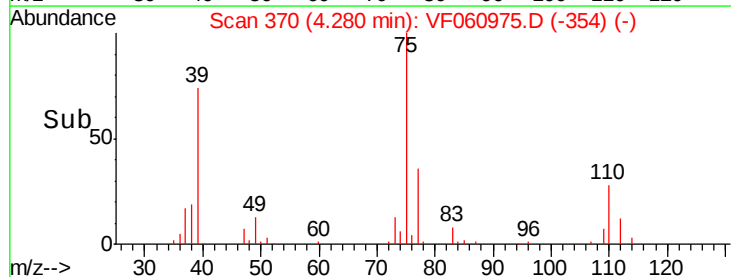
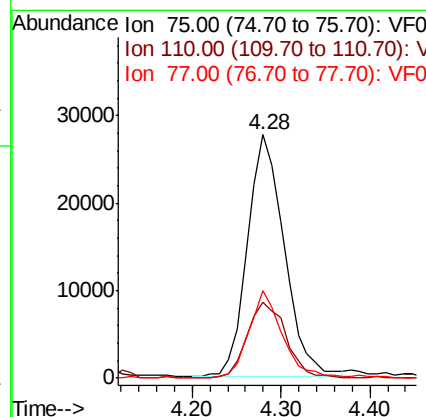
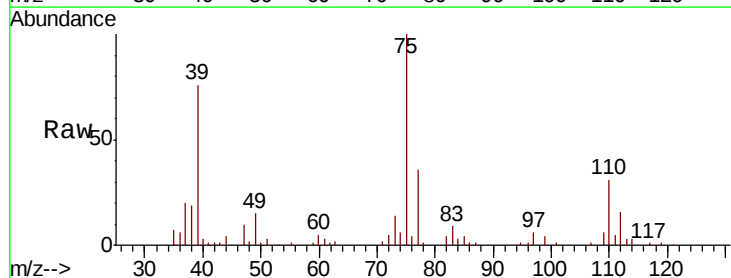
Manual Integrations
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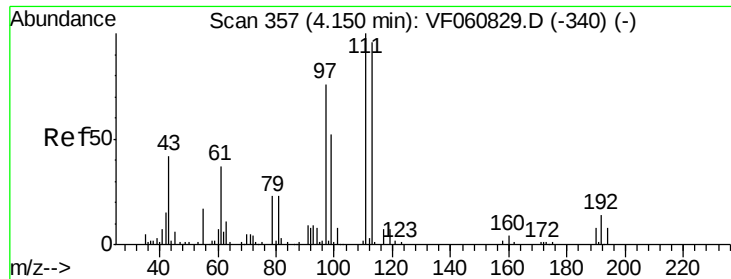
MMDadoda
 12/12/2018 1:27:45 PM



#36
 1,1-Dichloropropene
 Concen: 23.780 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.04 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79434		
110	31.1	15.6	46.8	
77	35.7	23.4	35.0#	





#37

Ethyl Acetate

Concen: 21.256 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

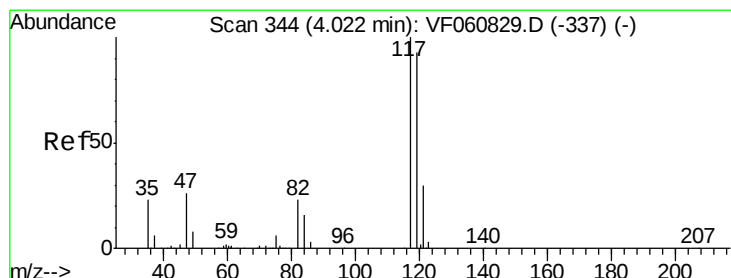
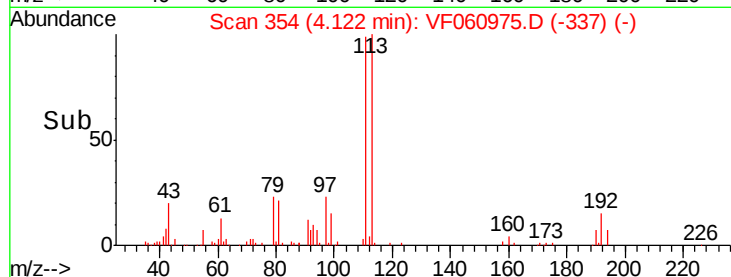
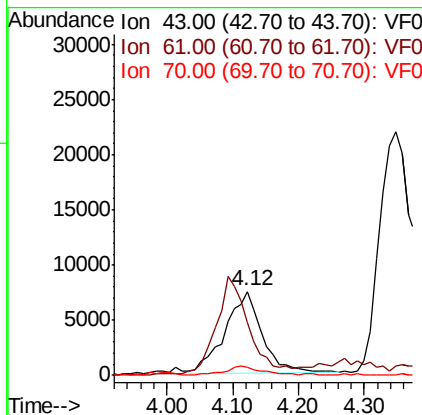
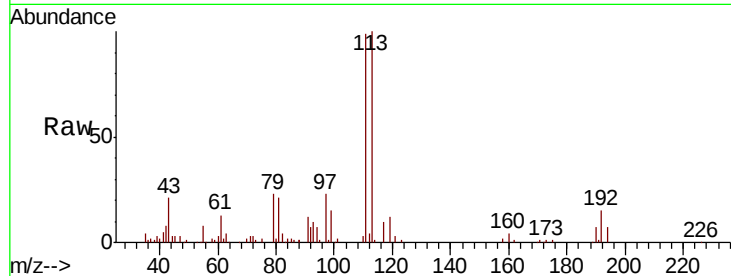
ClientSampleId :

VF1211SBS01

Tot Ion:	43	Resp:	28854
Ion Ratio	Lower	Upper	
43	100		
61	63.1	68.6	103.0#
70	9.5	9.0	13.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.139 ug/l

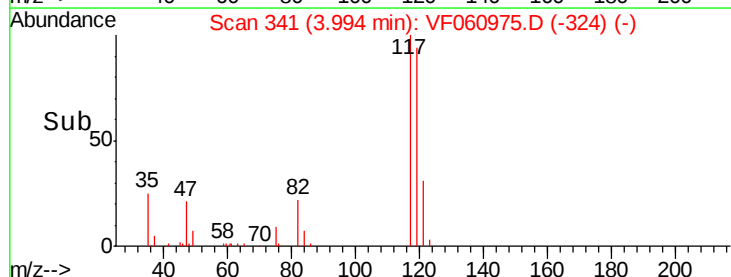
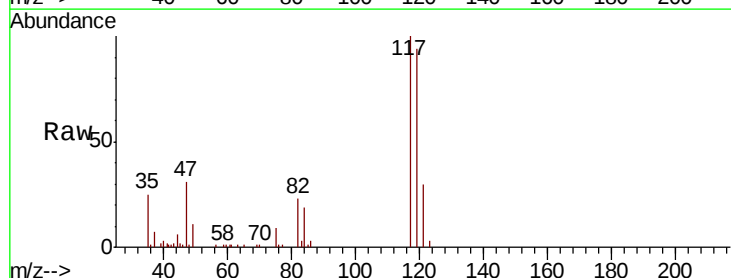
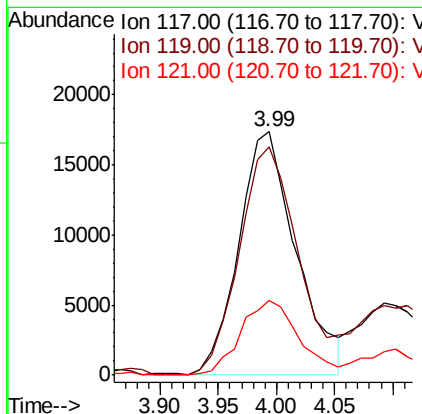
RT: 3.99 min Scan# 341

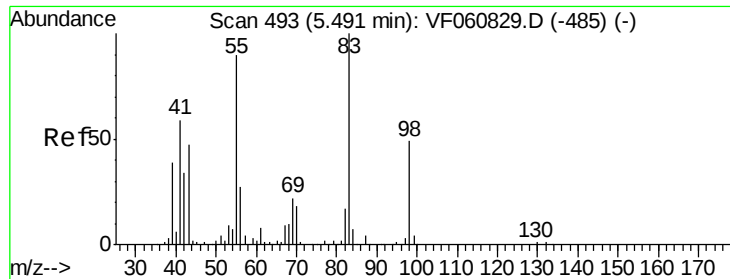
Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion:	117	Resp:	59417
Ion Ratio	Lower	Upper	
117	100		
119	93.9	74.4	111.6
121	30.4	23.5	35.3





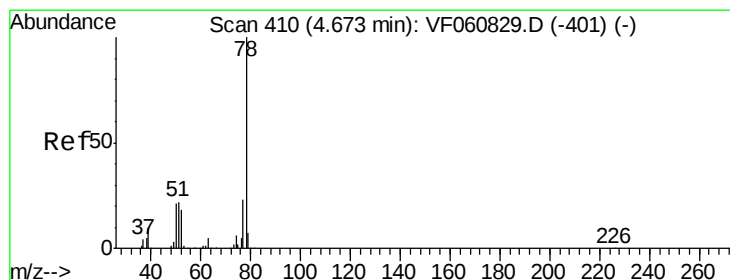
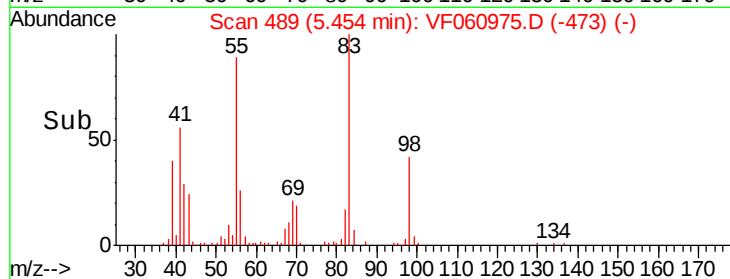
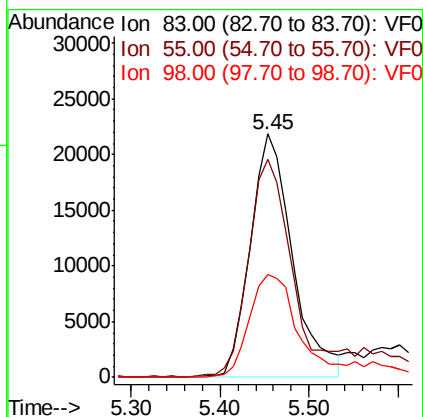
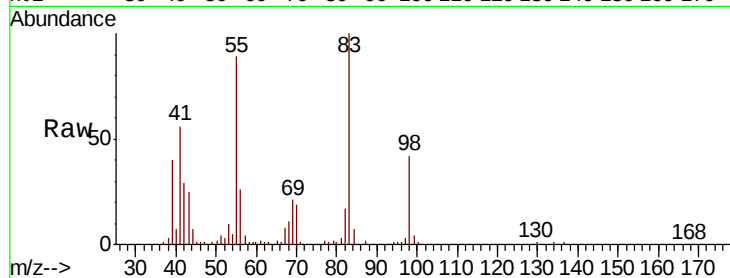
#39
Methvlcvclohexane
Concen: 20.495 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	72.1	108.1
98	42.2	39.1	58.7

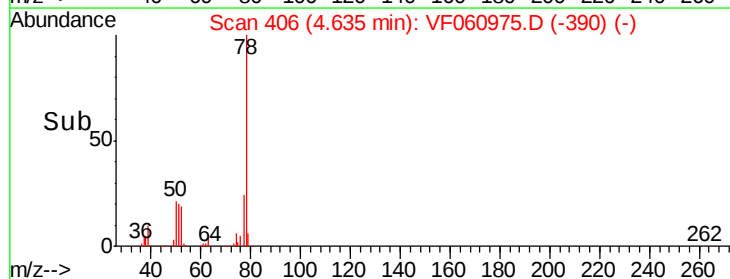
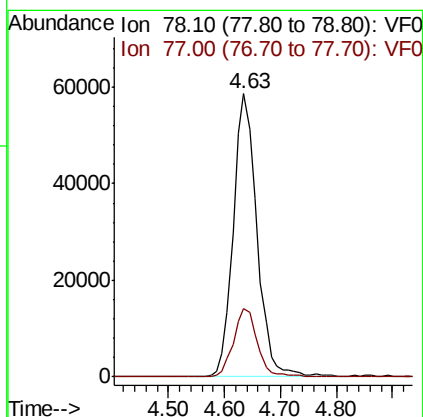
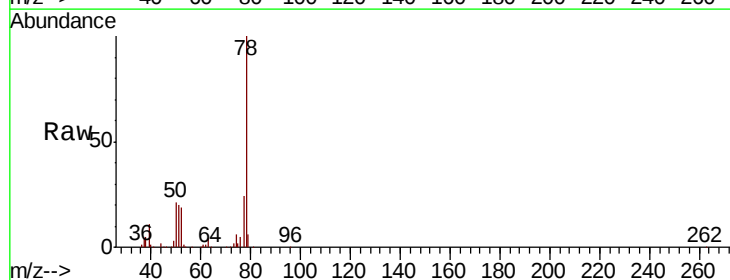
Manual Integrations
APPROVED

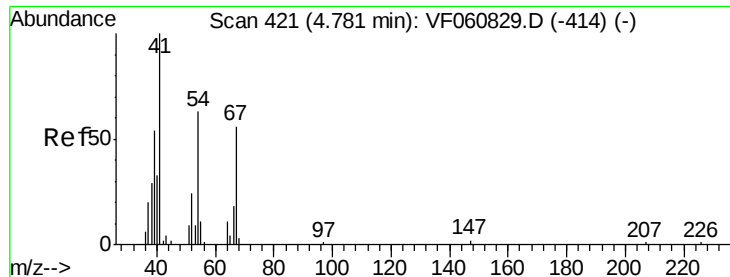
MMDadoda
12/12/2018 1:27:45 PM



#40
Benzene
Concen: 23.339 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.04 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.7	28.1





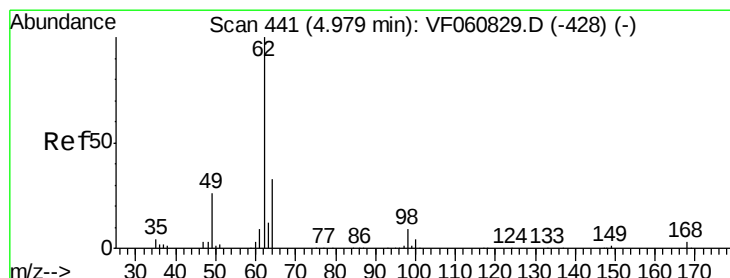
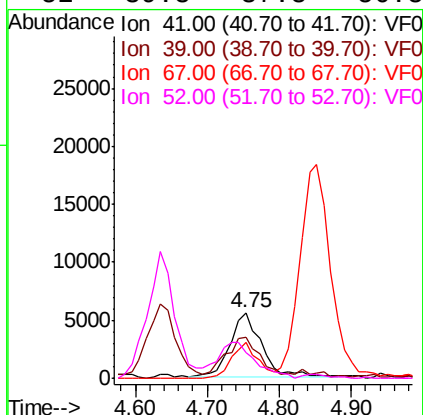
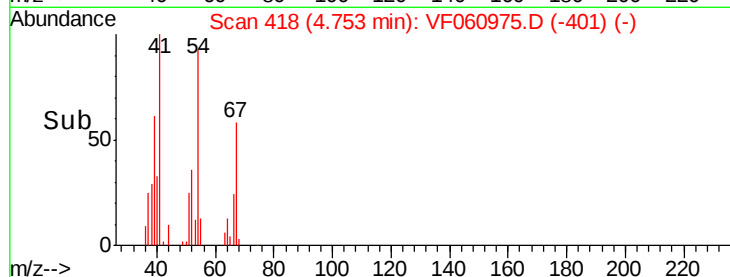
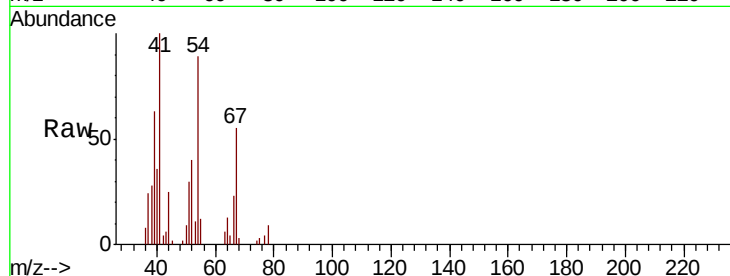
#41
Methacrylonitrile
Concen: 21.892 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.4	53.0	79.6	
67	54.8	43.8	65.6	
52	39.8	37.8	56.8	

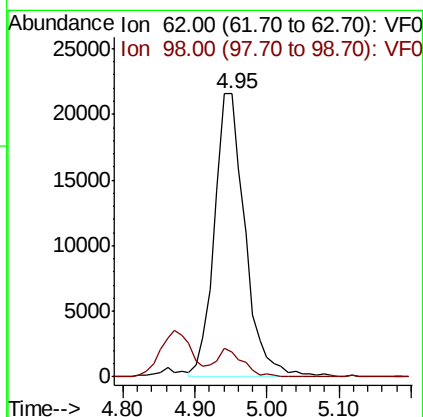
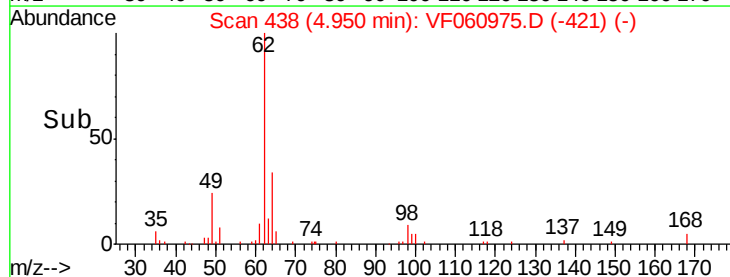
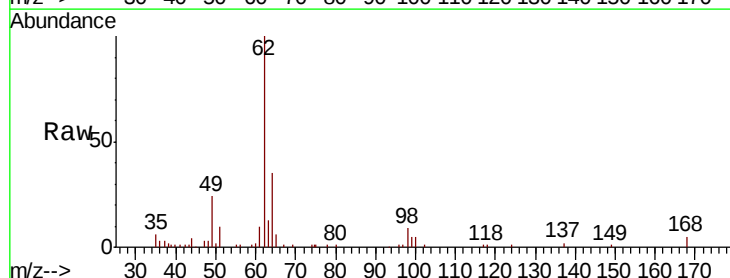
Manual Integrations
APPROVED

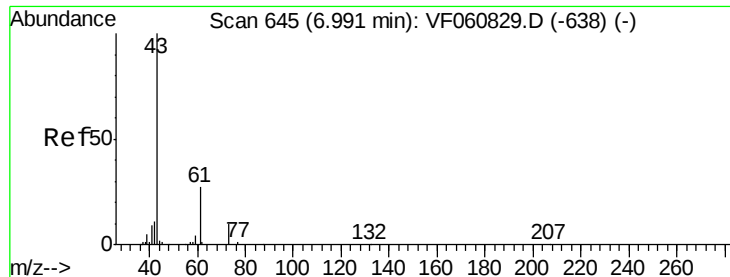
MMDadoda
12/12/2018 1:27:45 PM



#42
1,2-Dichloroethane
Concen: 23.526 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.2	





#43

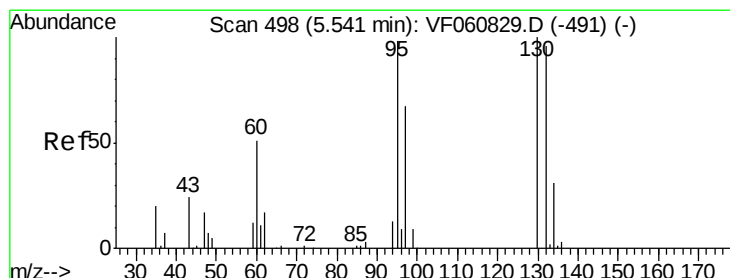
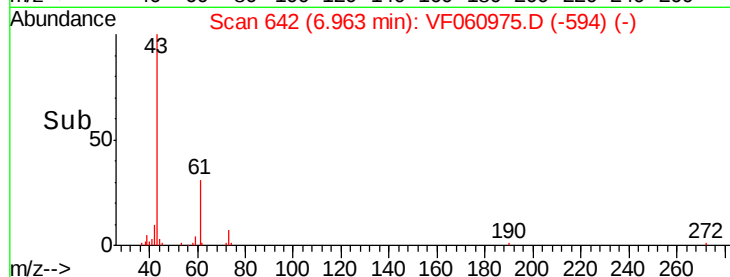
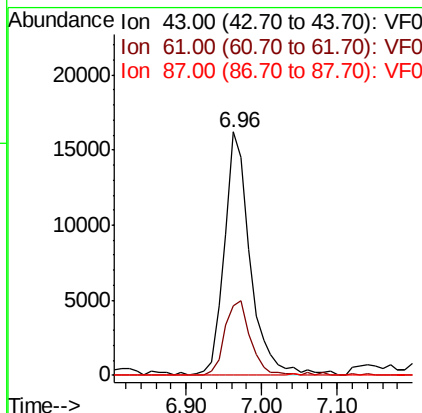
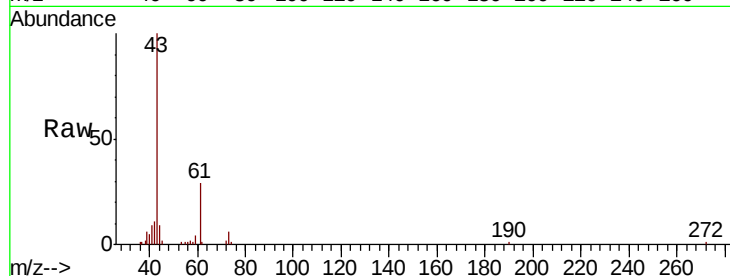
Isopropyl Acetate
 Concen: 21.476 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.03 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	21.4	32.0
87	0.0	0.2	0.4

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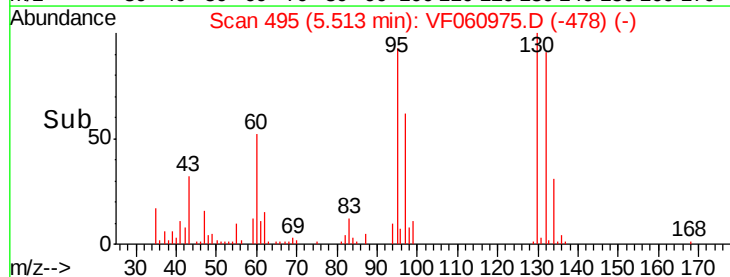
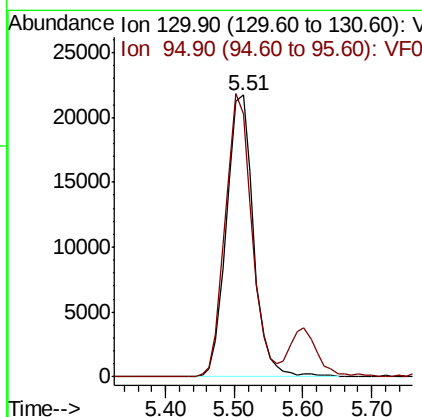
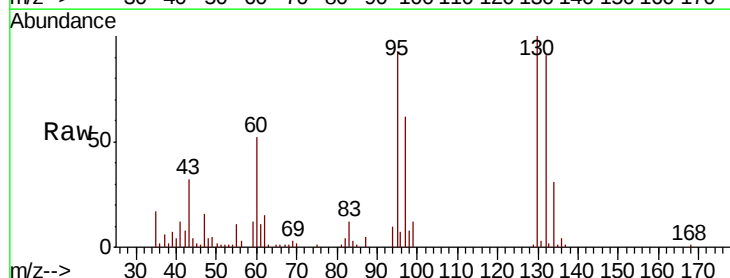
MMDadoda
 12/12/2018 1:27:45 PM

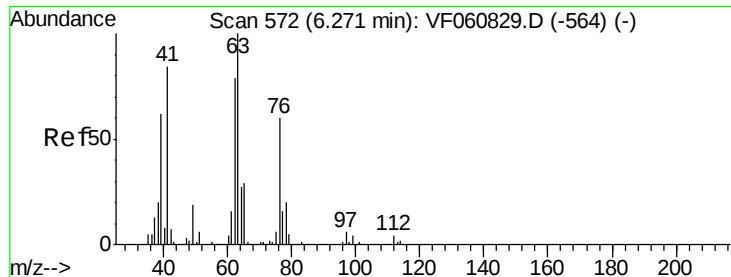


#44

Trichloroethene
 Concen: 24.621 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.03 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	195.6





#45

1,2-Dichloropropane

Concen: 24.478 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

Tot Ion: 63 Resp: 46915

Ion Ratio Lower Upper

63 100

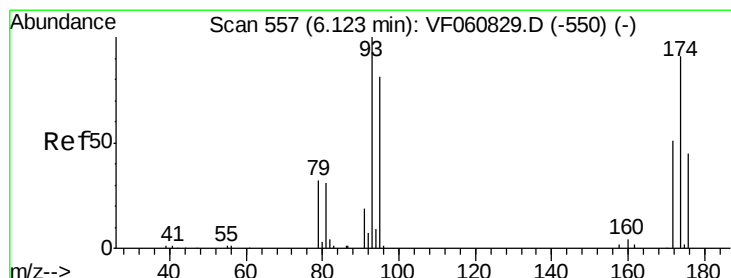
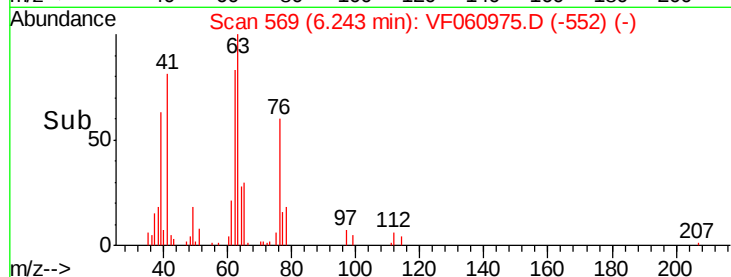
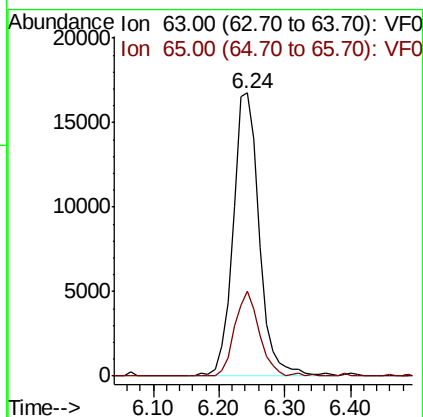
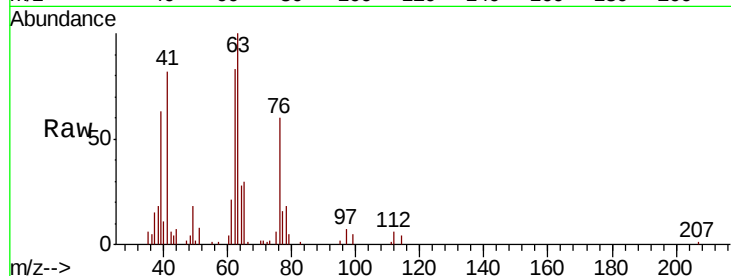
65 30.1 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 23.367 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.04 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

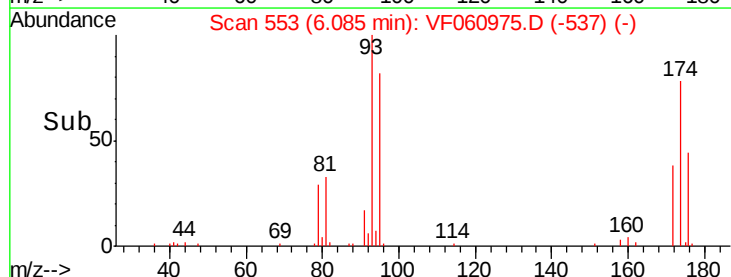
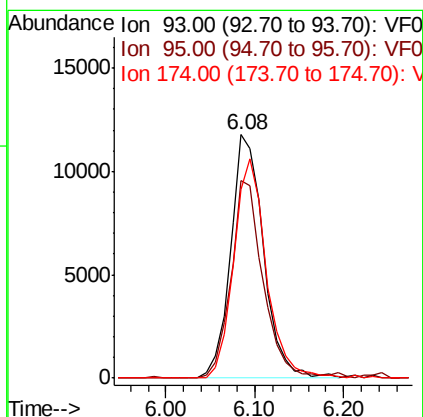
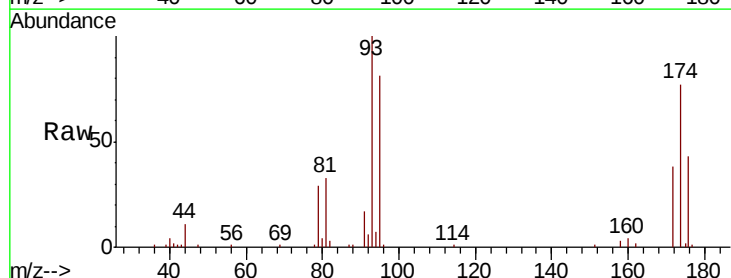
Tgt Ion: 93 Resp: 30381

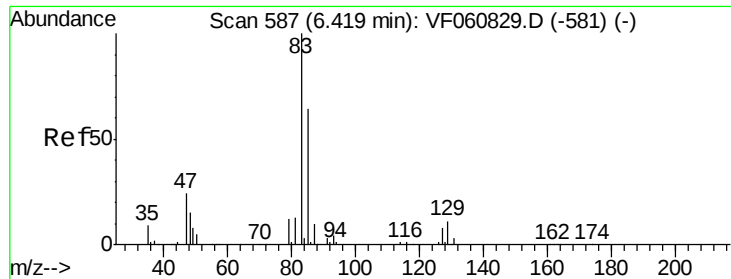
Ion Ratio Lower Upper

93 100

95 80.9 64.7 97.1

174 77.4 73.0 109.6





#47

Bromodichloromethane

Concen: 22.060 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

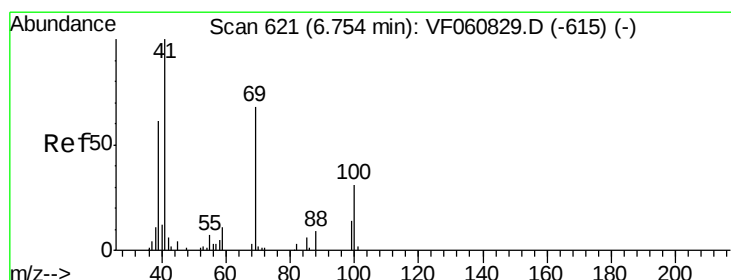
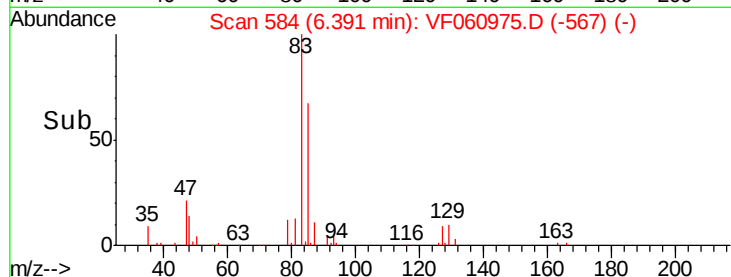
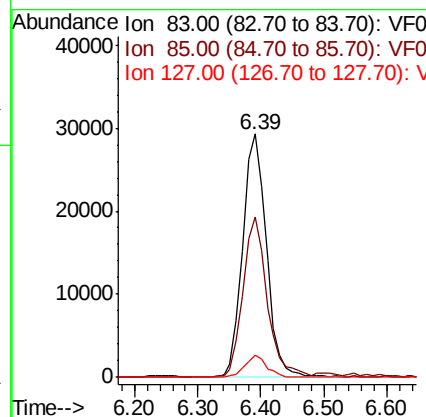
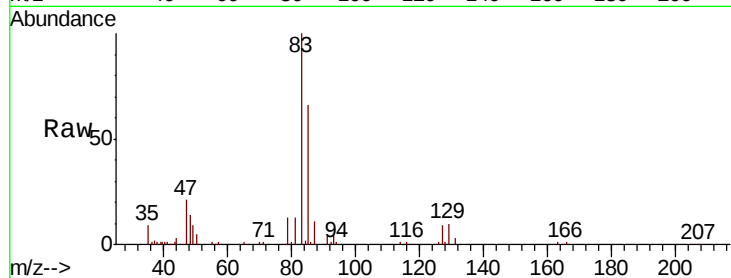
ClientSampleId :

VF1211SBSD01

Tot Ion:	83	Resp:	76178
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.1	76.7
127	8.9	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.219 ug/l

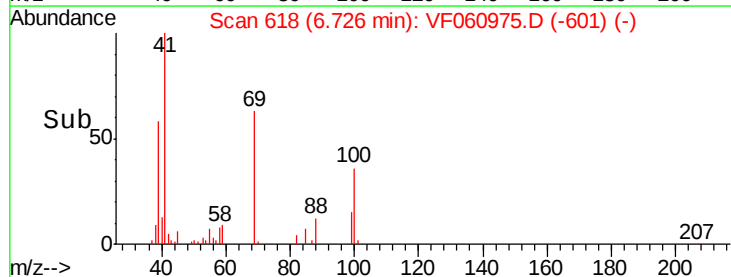
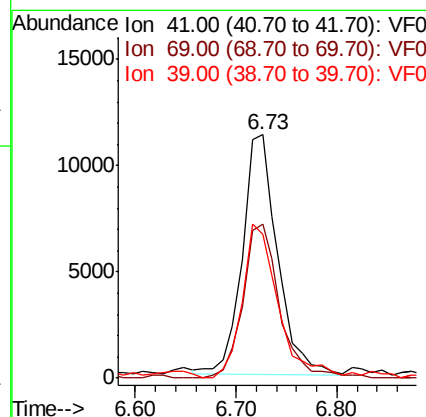
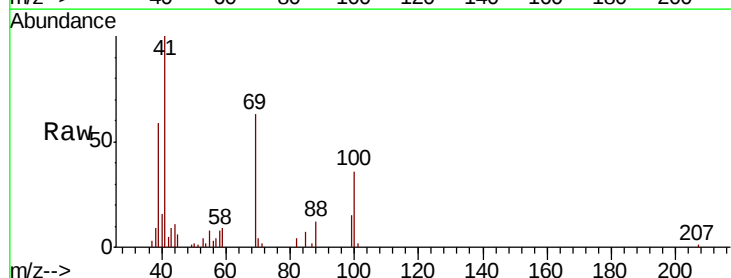
RT: 6.73 min Scan# 618

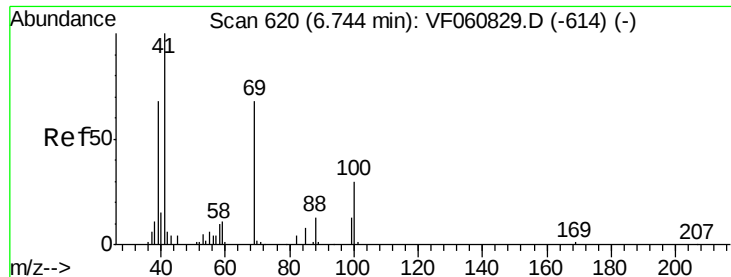
Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion:	41	Resp:	27301
Ion	Ratio	Lower	Upper
41	100		
69	63.1	53.9	80.9
39	59.1	49.0	73.6





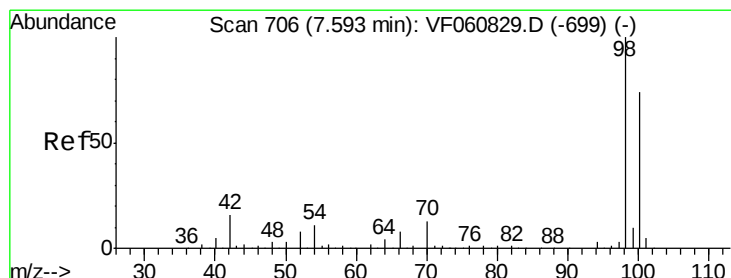
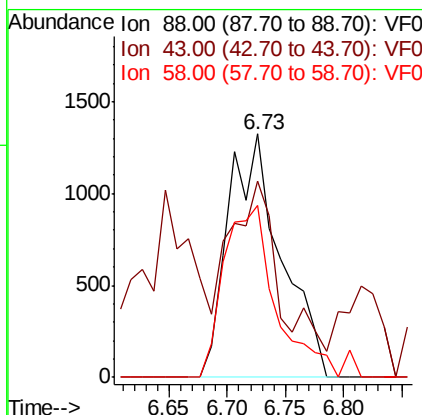
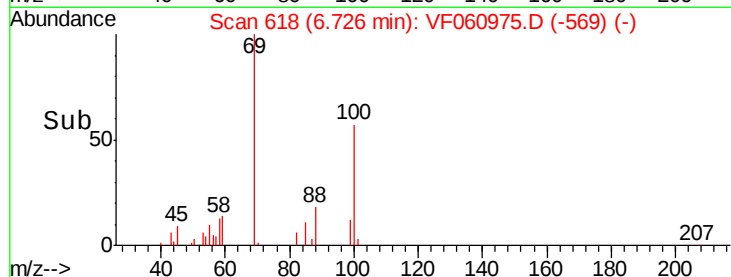
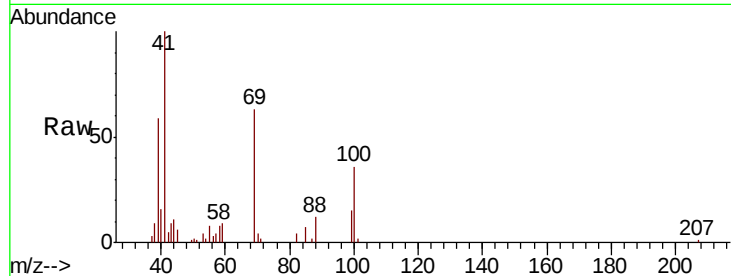
#49
1,4-Dioxane
Concen: 463.375 ug/l
RT: 6.73 min Scan# 618
Delta R.T. -0.02 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	80.5	42.0	63.0#
58	70.8	61.8	92.8

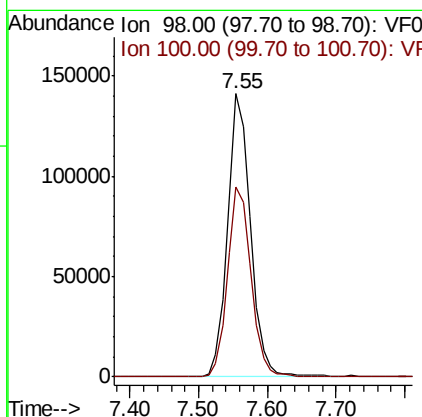
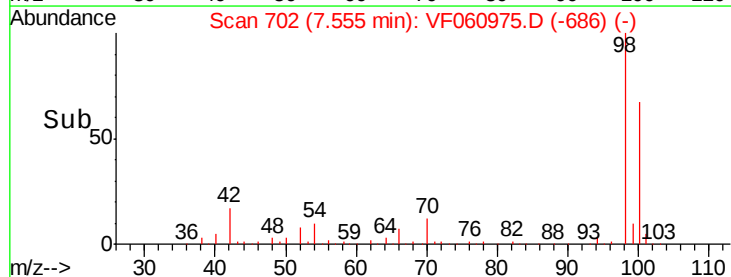
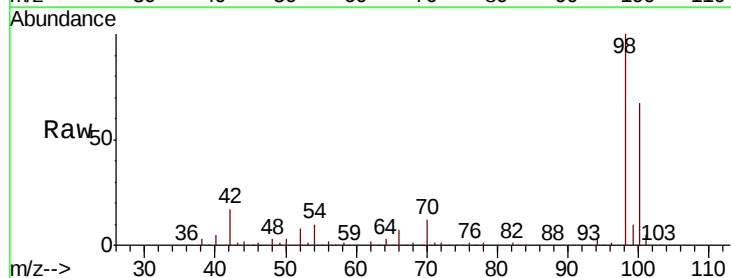
Manual Integrations
APPROVED

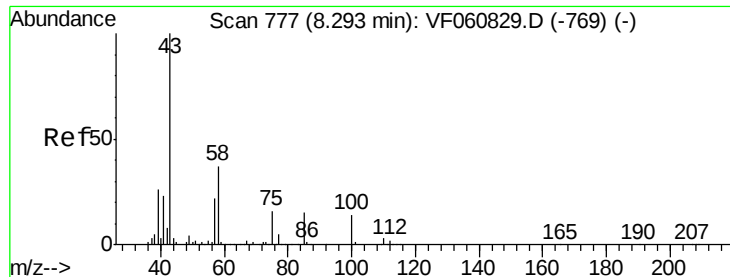
MMDadoda
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#50
Toluene-d8
Concen: 46.318 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 114.446 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

Tot Ion: 43 Resp: 143262

Ion Ratio Lower Upper

43 100

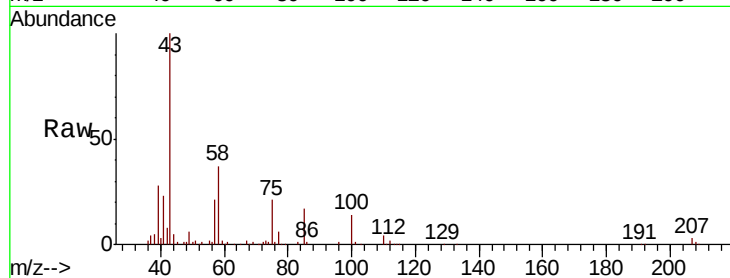
58 36.6 29.7 44.5

Manual Integrations

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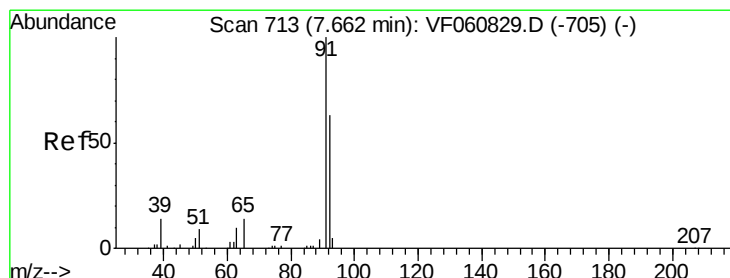
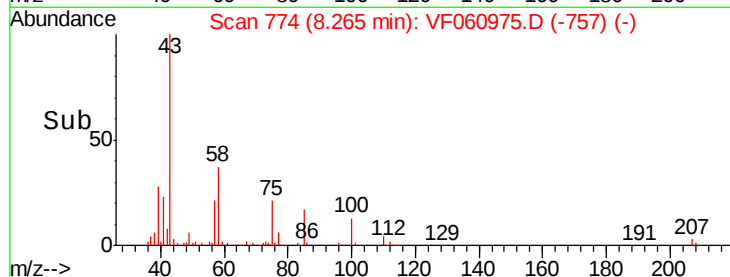
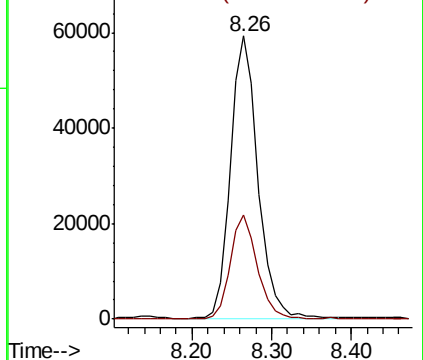
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.889 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060975.D

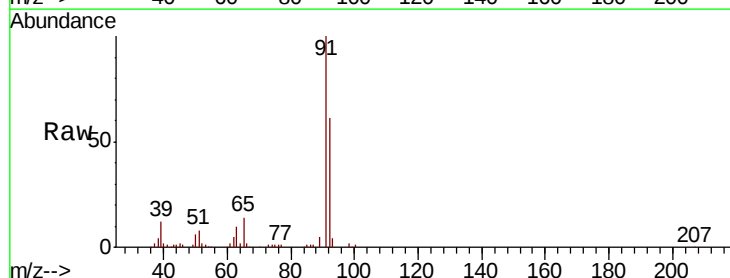
Acq: 11 Dec 2018 14:36

Tgt Ion: 92 Resp: 113463

Ion Ratio Lower Upper

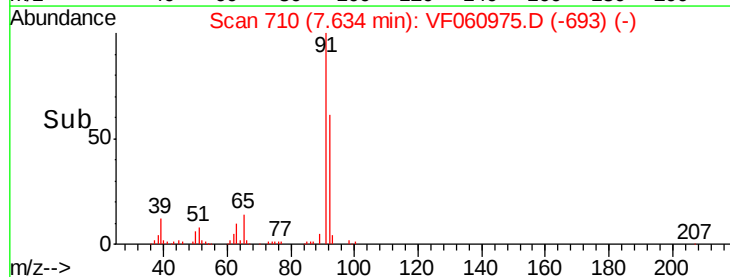
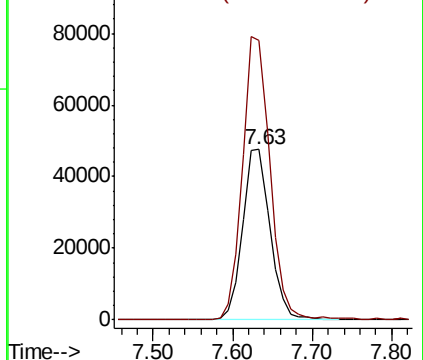
92 100

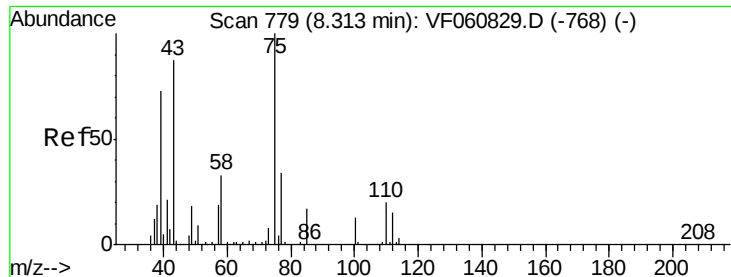
91 163.6 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





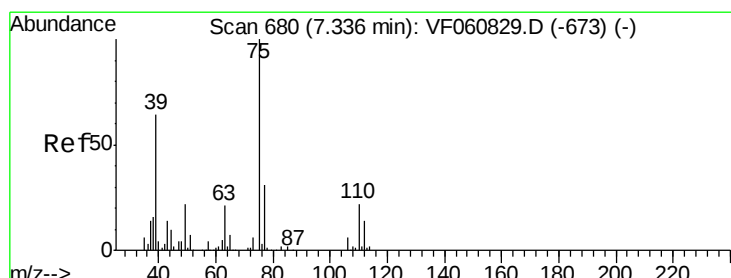
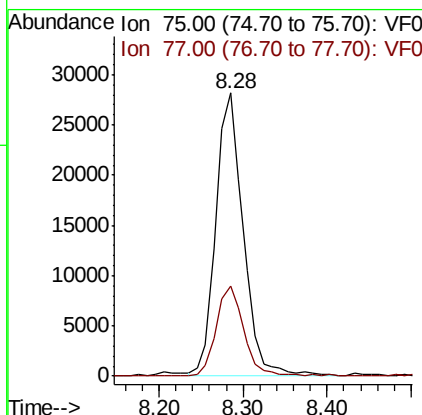
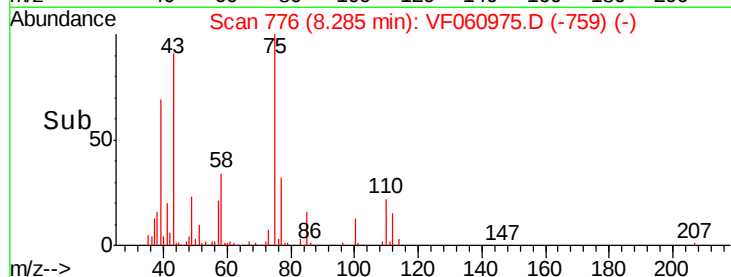
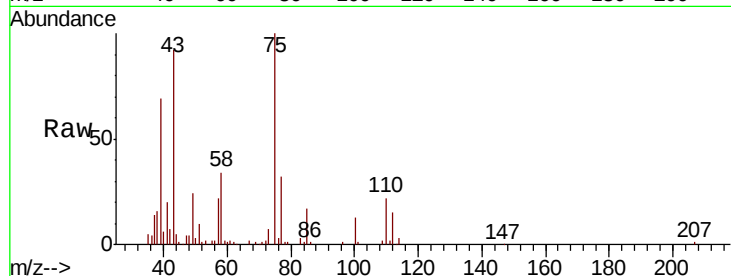
#53
t-1,3-Dichloropropene
Concen: 22.570 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	27.4	41.2

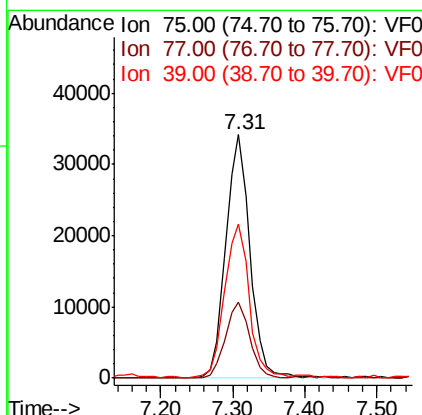
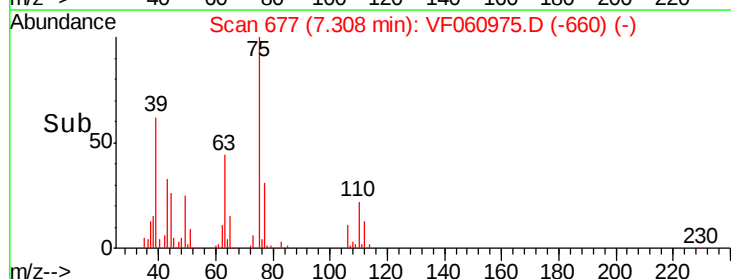
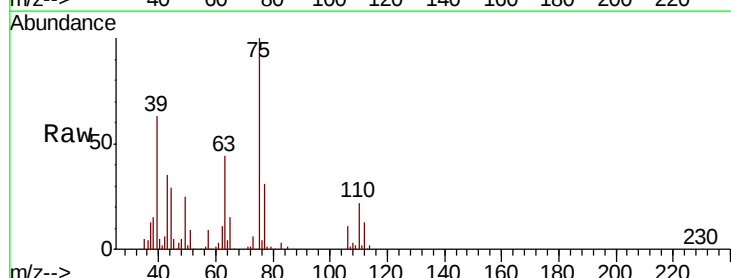
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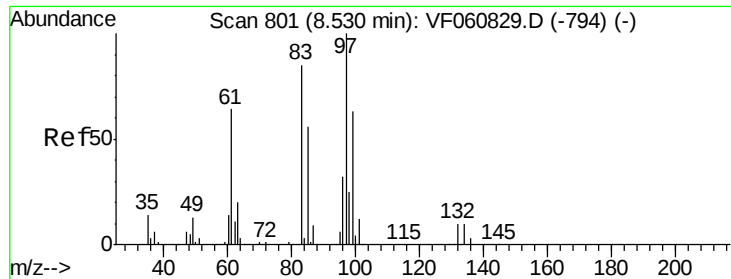
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 22.884 ug/l
RT: 7.31 min Scan# 677
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6
39	63.4	51.1	76.7





#55

1,1,2-Trichloroethane

Concen: 22.041 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

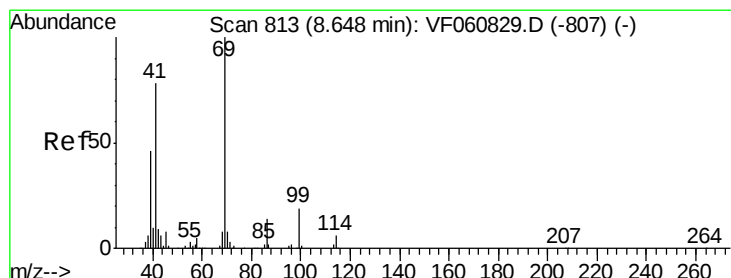
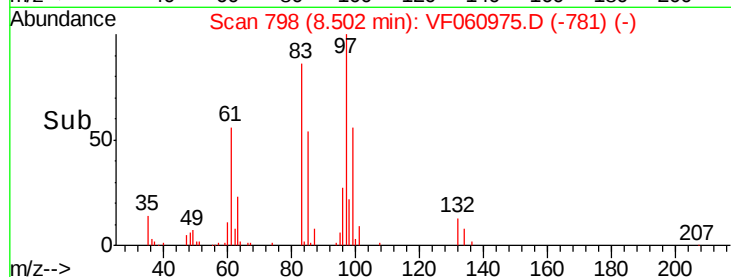
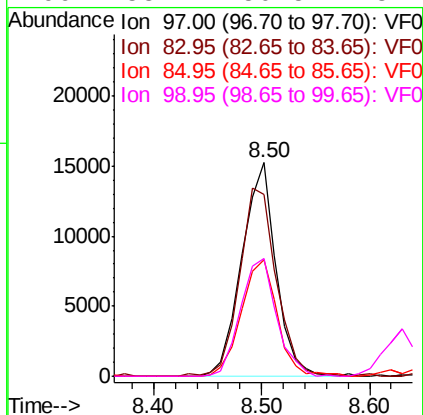
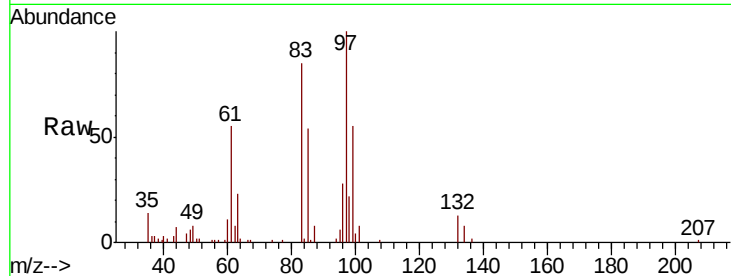
ClientSampleId :

VF1211SBSD01

Tot Ion:	97	Resp:	33291
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.8	101.6
85	54.5	45.0	67.6
99	55.1	50.5	75.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 23.427 ug/l

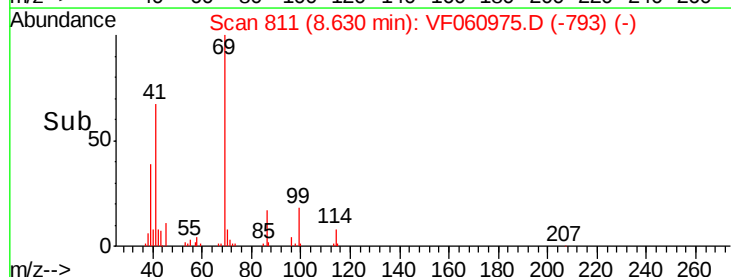
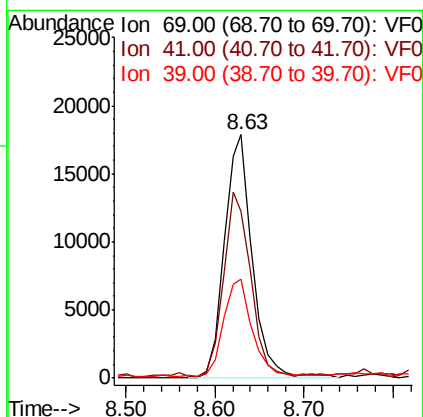
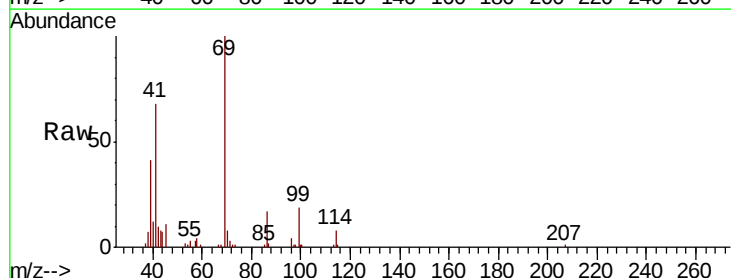
RT: 8.63 min Scan# 811

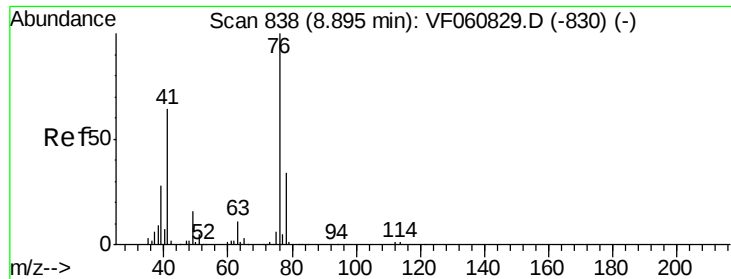
Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion:	69	Resp:	39308
Ion	Ratio	Lower	Upper
69	100		
41	68.3	62.6	94.0
39	40.9	37.8	56.6





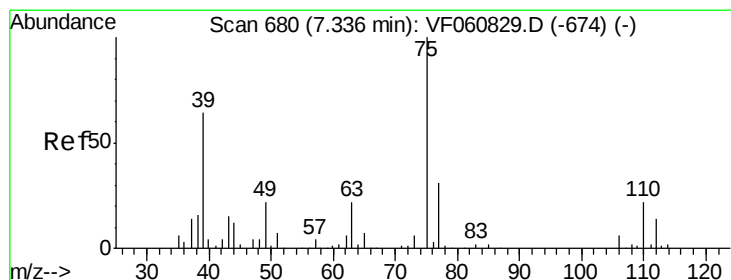
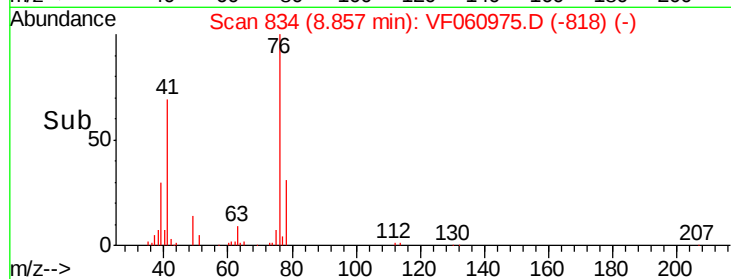
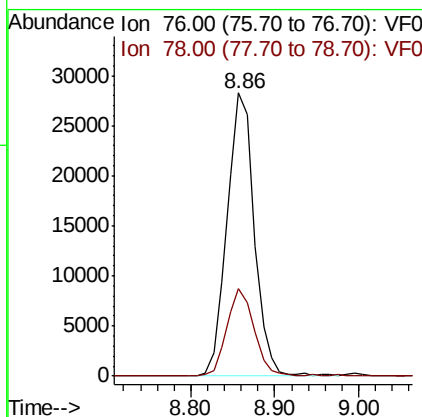
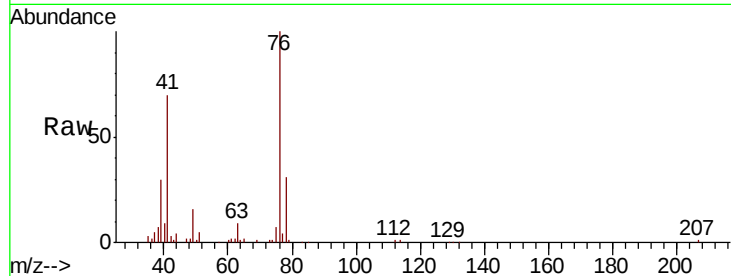
#57
 1,3-Dichloropropane
 Concen: 24.126 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. -0.04 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBSD01

Tot Ion: 76 Resp: 63754
 Ion Ratio Lower Upper
 76 100
 78 30.7 27.0 40.4

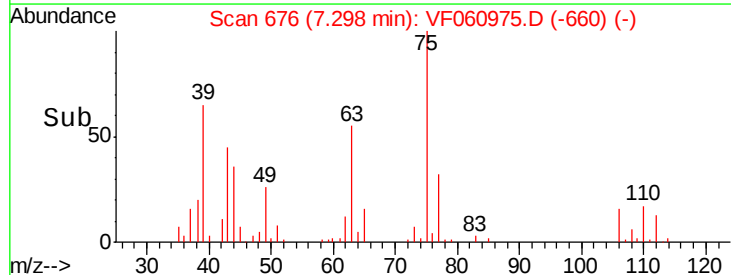
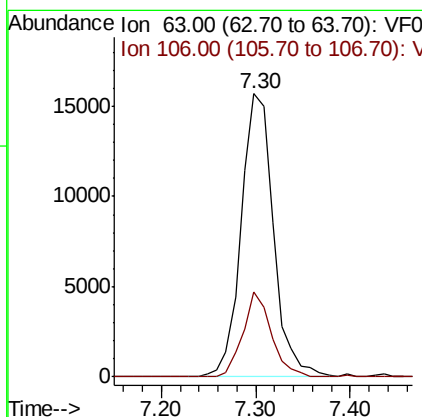
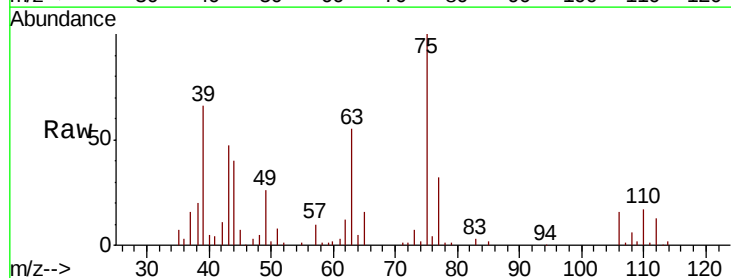
Manual Integrations
 APPROVED

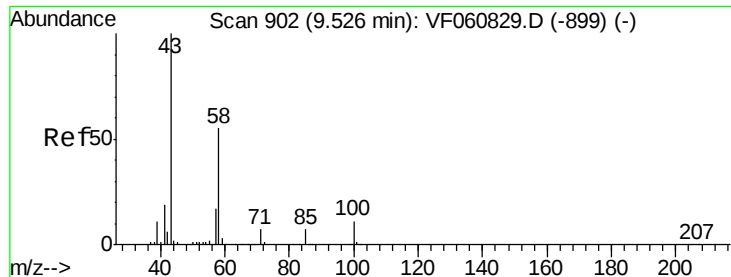
MMDadoda
 12/12/2018 1:27:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 216.724 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. -0.04 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Tgt Ion: 63 Resp: 37195
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.0 34.6





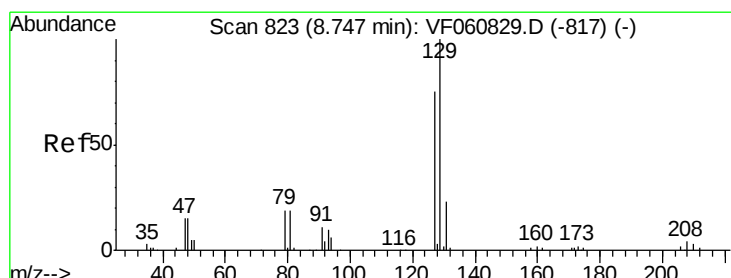
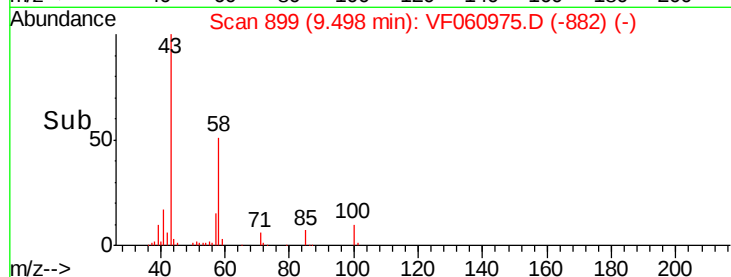
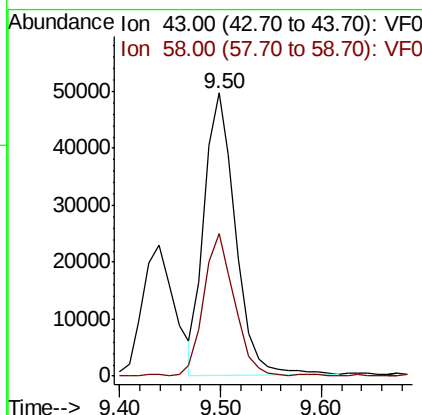
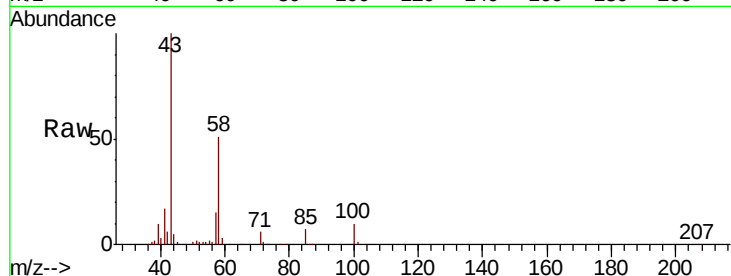
#59
2-Hexanone
Concen: 121.392 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBS01

Tot Ion: 43 Resp: 106607
Ion Ratio Lower Upper
43 100
58 50.6 25.6 76.6

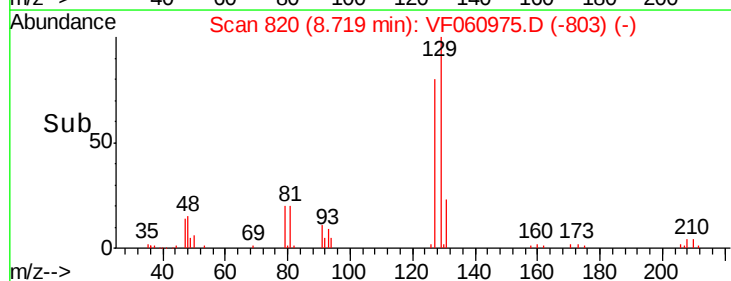
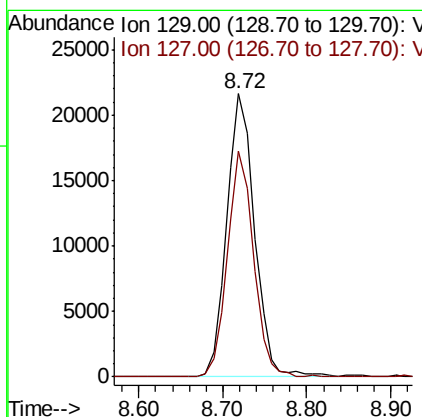
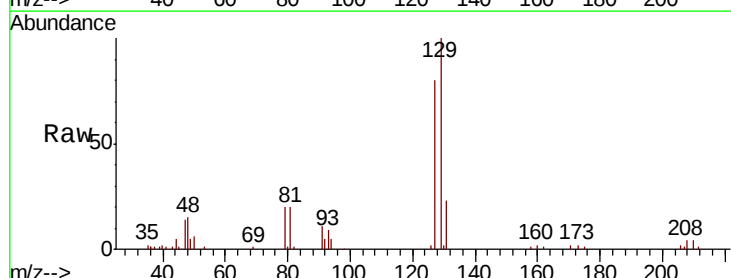
Manual Integrations
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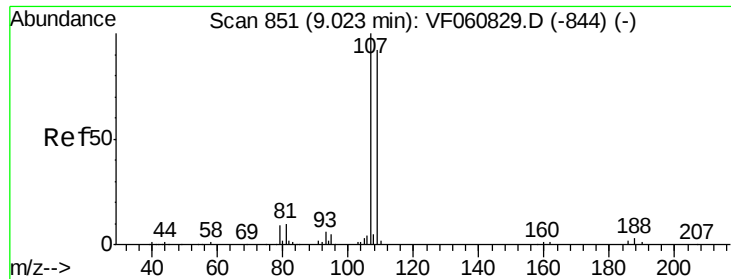
MMDadoda
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#60
Dibromochloromethane
Concen: 22.109 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion: 129 Resp: 49757
Ion Ratio Lower Upper
129 100
127 79.7 37.3 111.9





#61

1,2-Dibromoethane

Concen: 22.417 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

Tot Ion: 107 Resp: 36577

Ion Ratio Lower Upper

107 100

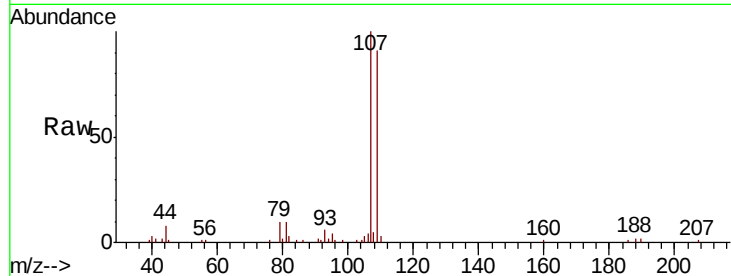
109 91.3 73.6 110.4

Manual Integrations

APPROVED

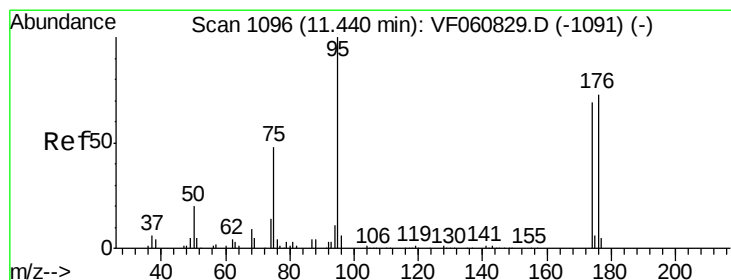
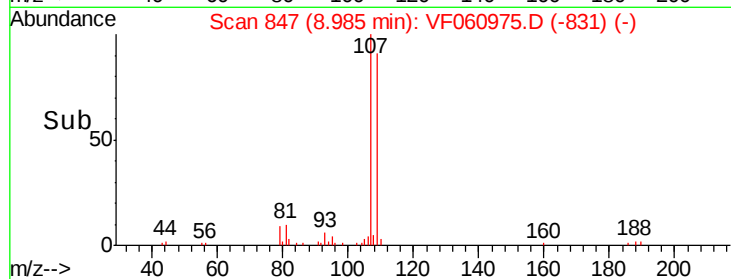
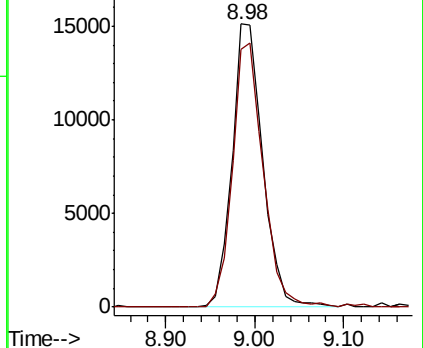
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.574 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

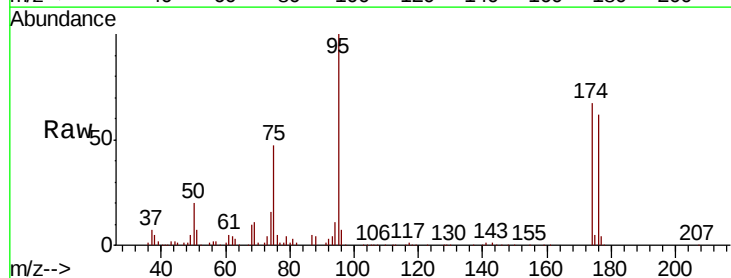
Tgt Ion: 95 Resp: 155370

Ion Ratio Lower Upper

95 100

174 66.8 0.0 138.2

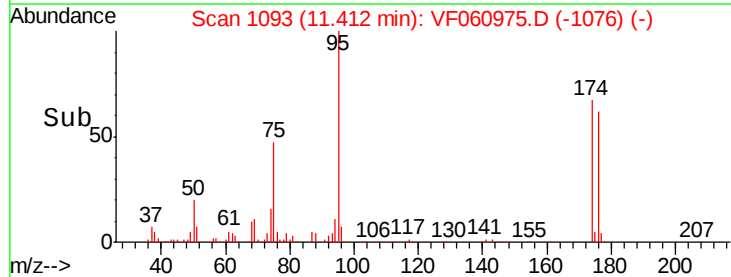
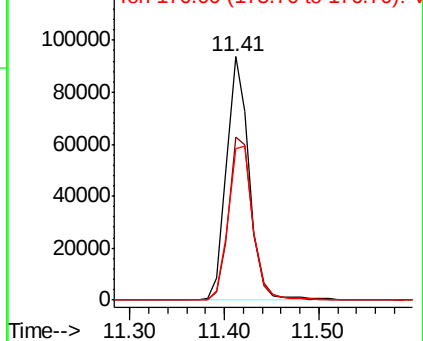
176 62.0 0.0 146.2

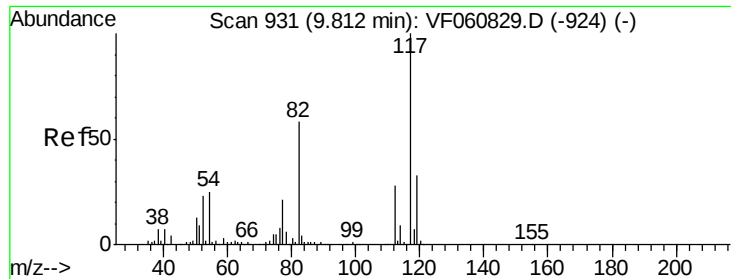


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





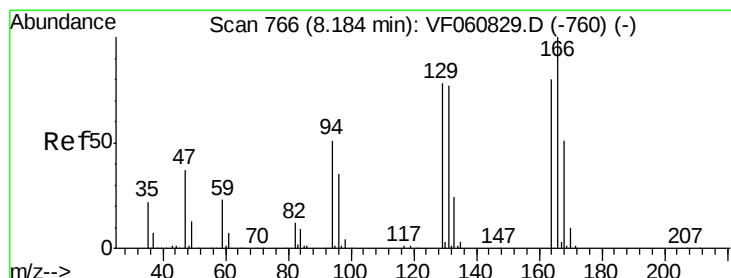
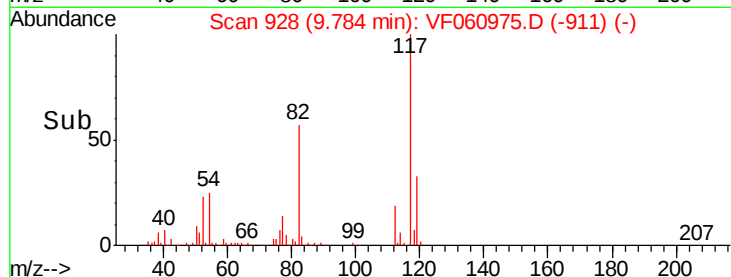
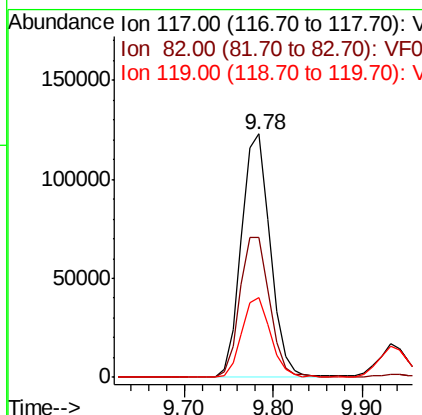
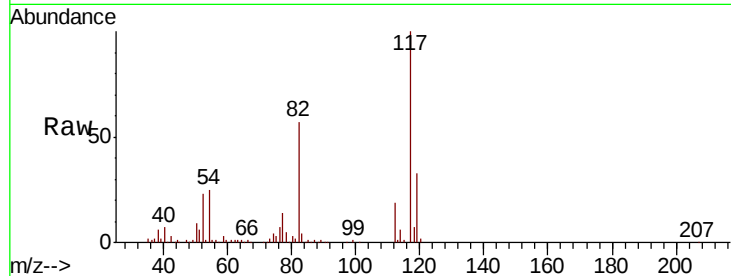
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.6	69.8
119	33.0	26.4	39.6

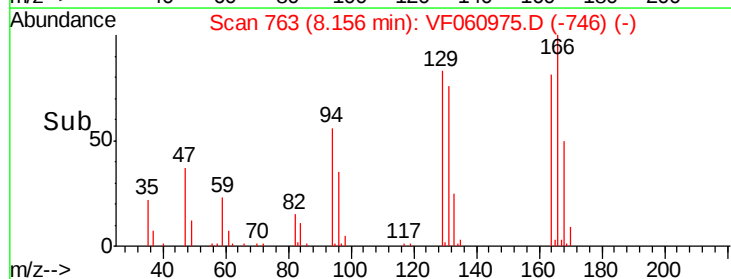
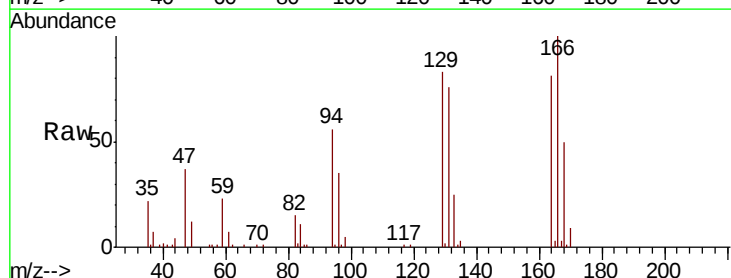
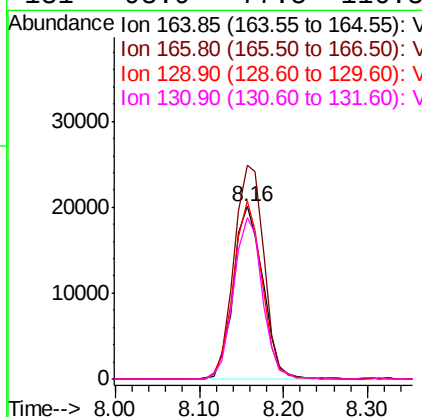
Manual Integrations
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#64
Tetrachloroethene
Concen: 23.157 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.0	100.3	150.5
129	103.5	77.9	116.9
131	93.9	77.5	116.3





#65

Chlorobenzene

Concen: 23.059 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

Tot Ion:112 Resp: 124611

Ion Ratio Lower Upper

112 100

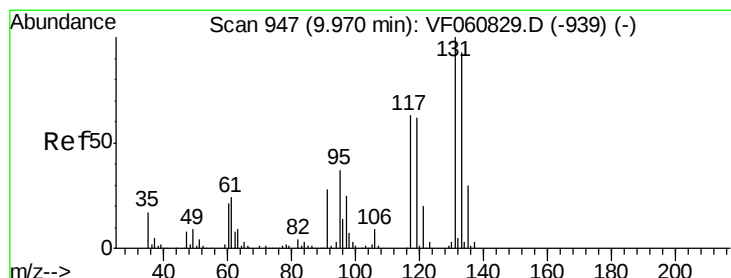
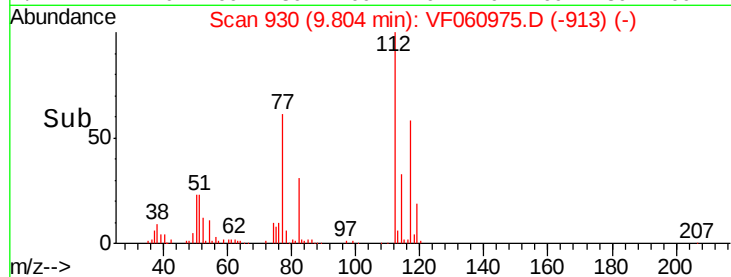
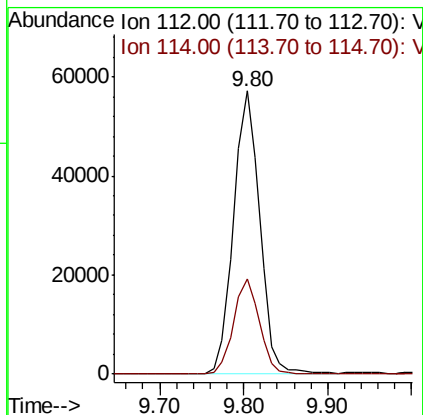
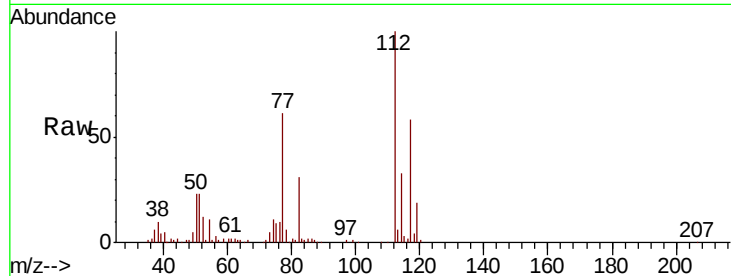
114 33.4 26.0 39.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 23.358 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.04 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

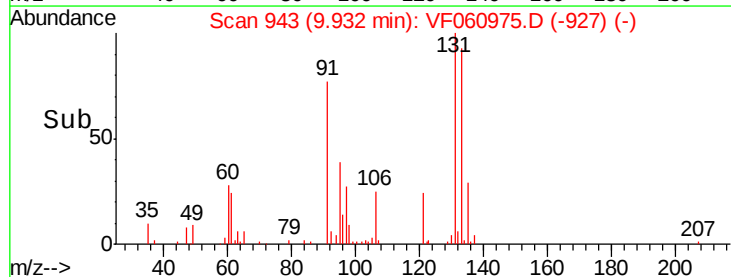
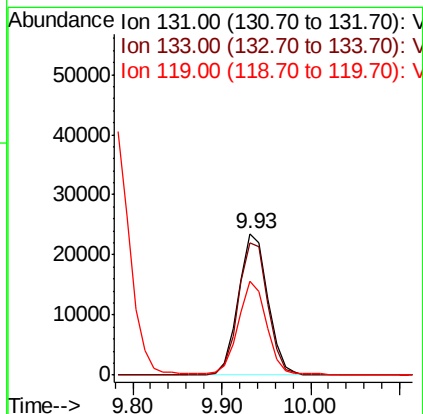
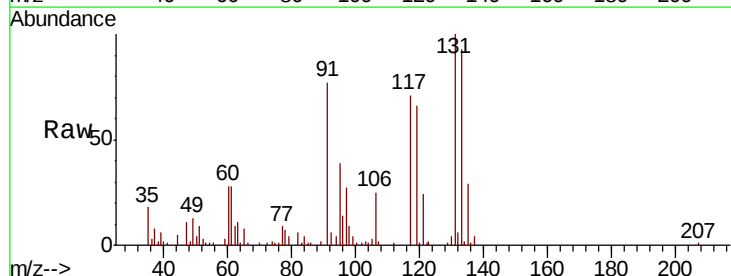
Tgt Ion:131 Resp: 54266

Ion Ratio Lower Upper

131 100

133 93.2 46.5 139.3

119 65.9 31.1 93.3





#67

Ethyl Benzene

Concen: 23.542 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBSD01

Tot Ion: 91 Resp: 236846

Ion Ratio Lower Upper

91 100

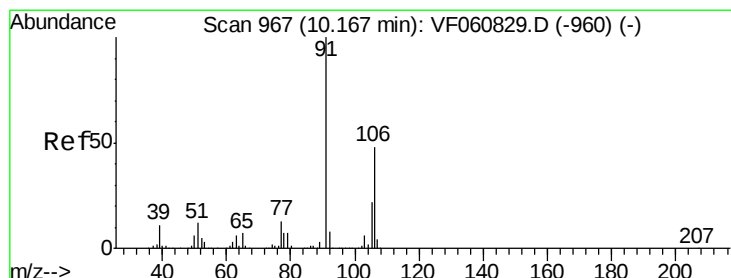
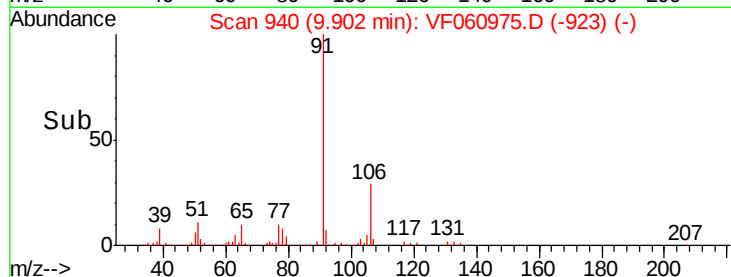
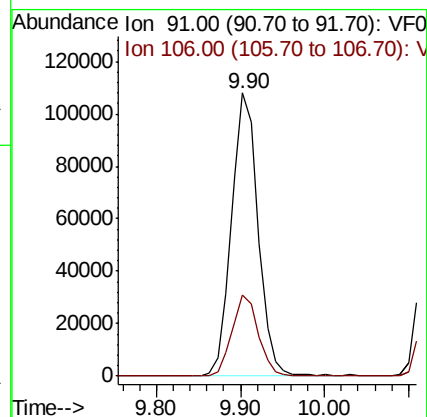
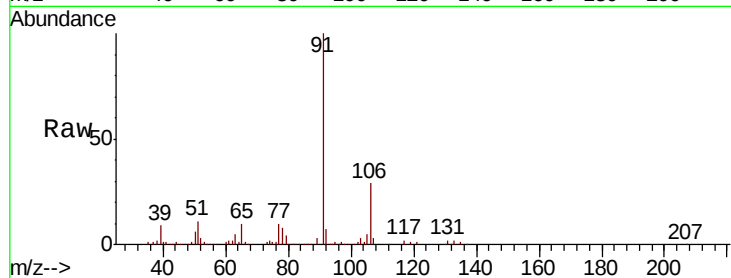
106 28.6 22.2 33.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 45.745 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.03 min

Lab File: VF060975.D

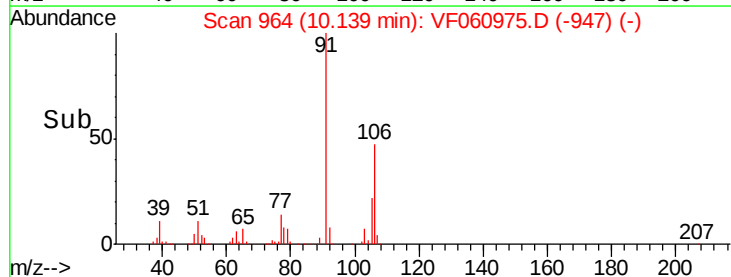
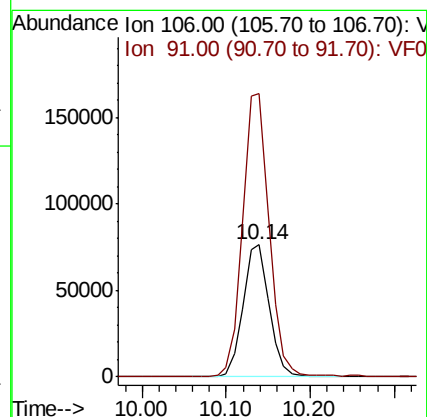
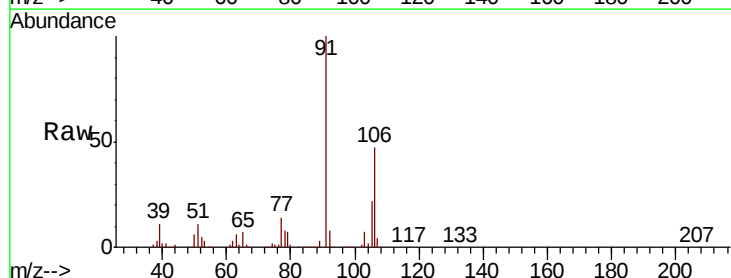
Acq: 11 Dec 2018 14:36

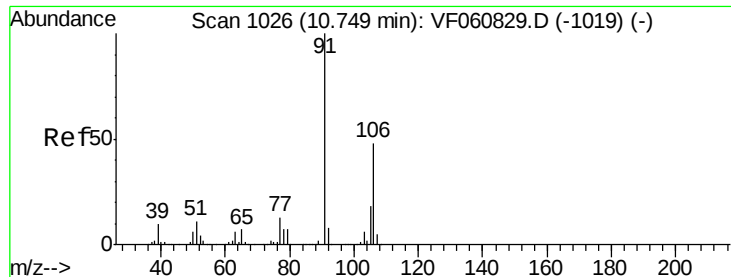
Tgt Ion: 106 Resp: 165525

Ion Ratio Lower Upper

106 100

91 214.6 166.7 250.1





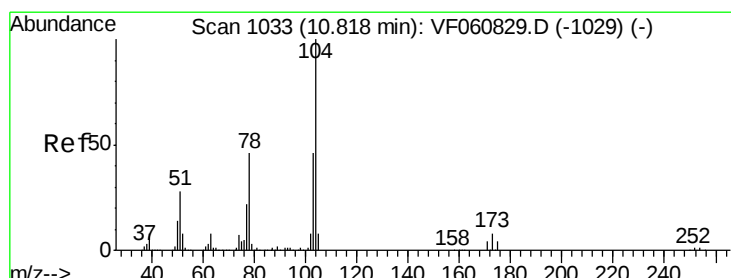
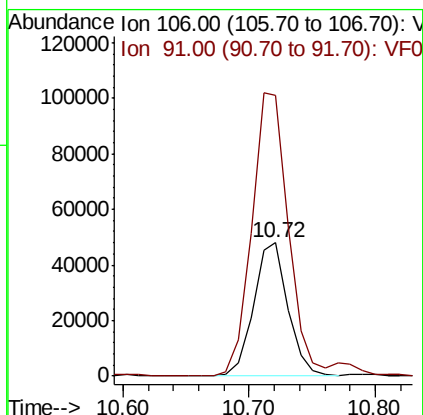
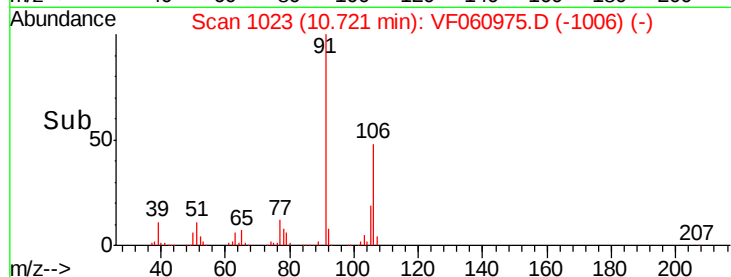
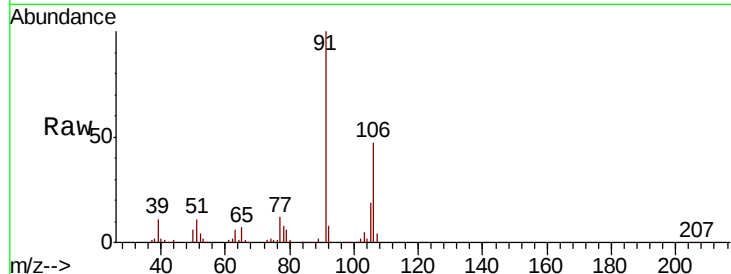
#69
o-Xylene
Concen: 22.844 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBS01

Tot Ion:106 Resp: 91150
Ion Ratio Lower Upper
106 100
91 210.7 104.8 314.6

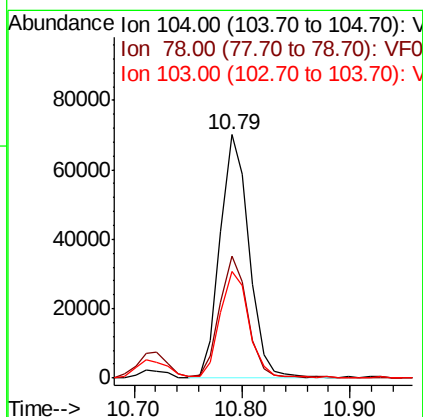
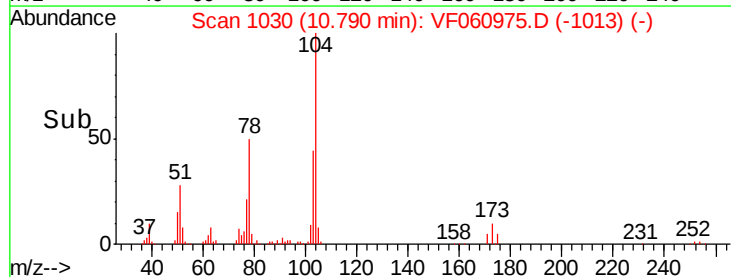
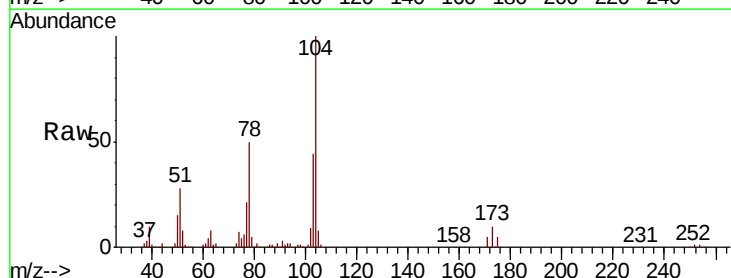
Manual Integrations
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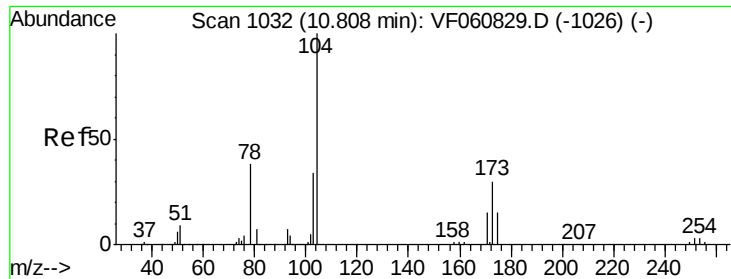
MMDadoda
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#70
Styrene
Concen: 23.584 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion:104 Resp: 130448
Ion Ratio Lower Upper
104 100
78 49.9 37.3 55.9
103 43.9 36.8 55.2





#71

Bromoform

Concen: 21.917 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

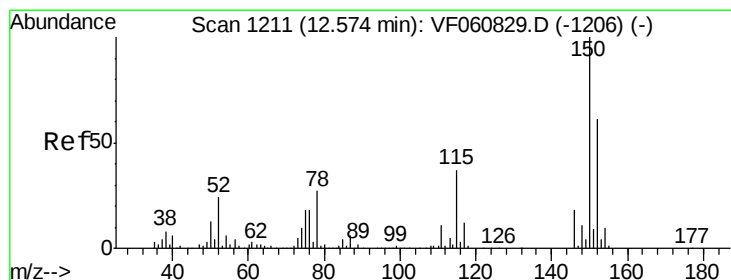
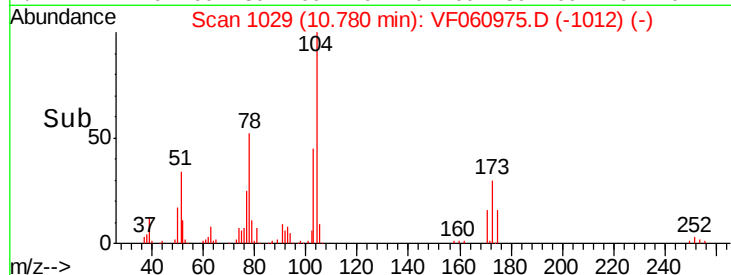
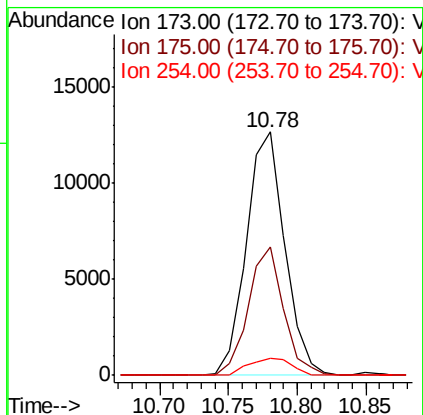
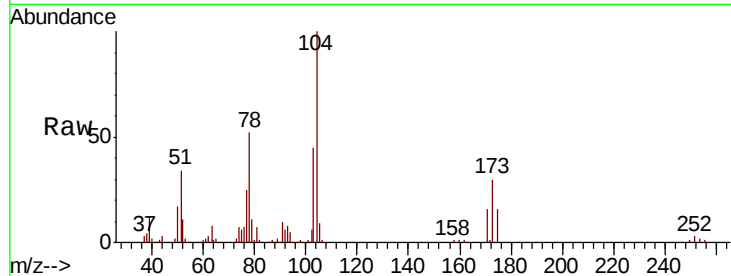
ClientSampleId :

VF1211SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.8	25.5	76.5
254	7.2	7.5	11.3

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

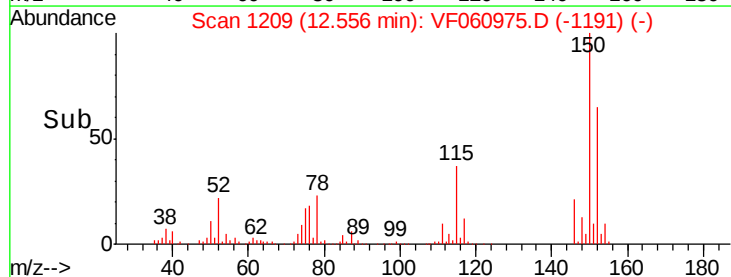
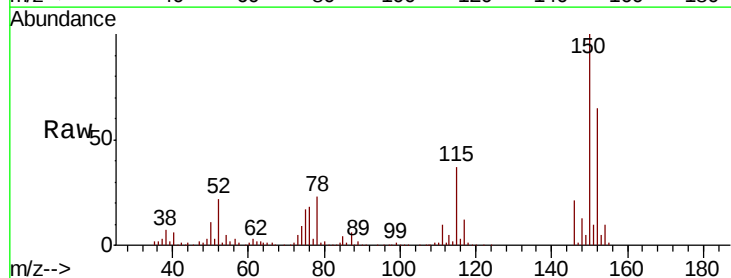
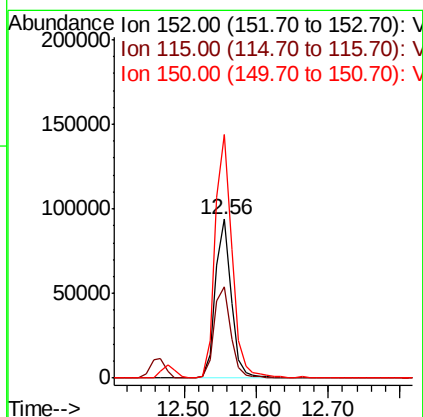
RT: 12.56 min Scan# 1209

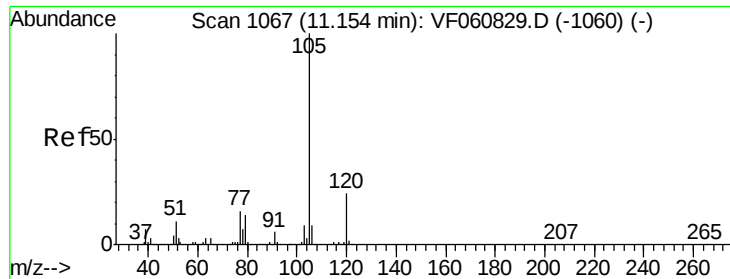
Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	30.1	90.5
150	153.6	0.0	327.6





#73

Isopropylbenzene

Concen: 23.831 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

Tot Ion:105 Resp: 268443

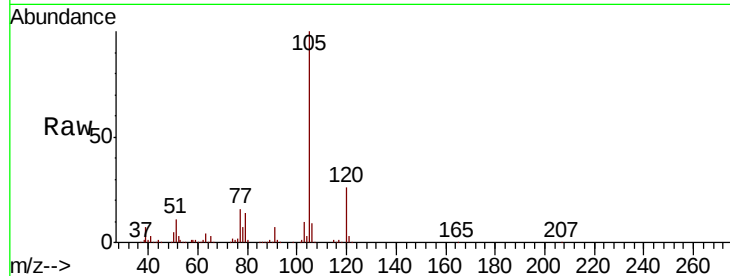
Ion Ratio Lower Upper

105 100

120 25.8 12.2 36.4

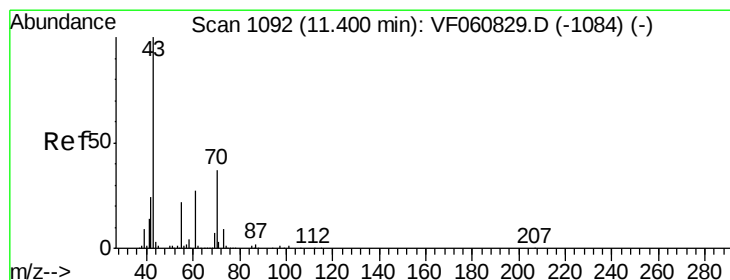
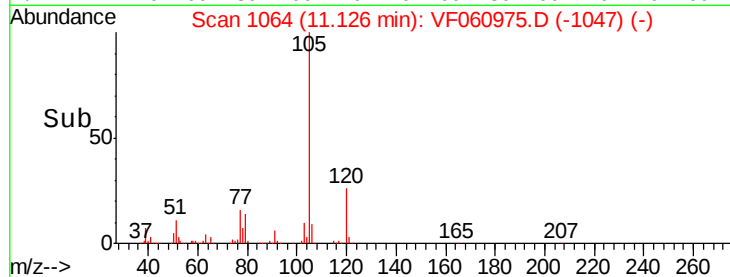
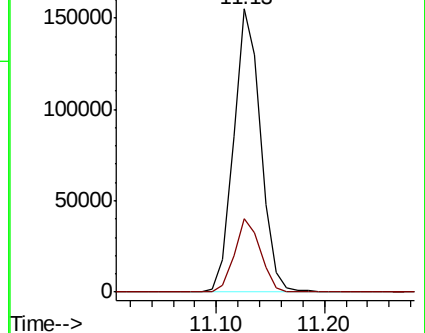
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 24.045 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion: 43 Resp: 62546

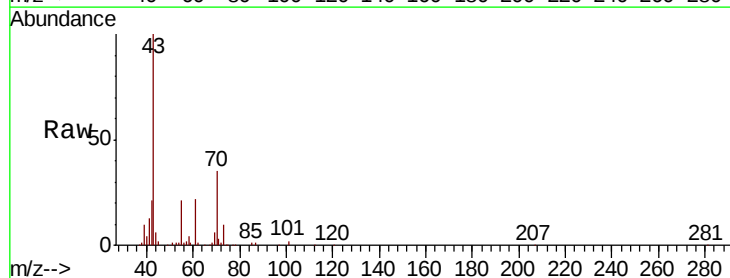
Ion Ratio Lower Upper

43 100

70 35.0 29.6 44.4

55 21.1 17.2 25.8

61 22.0 21.8 32.6

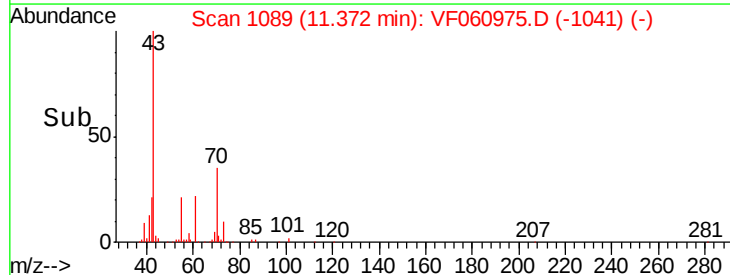
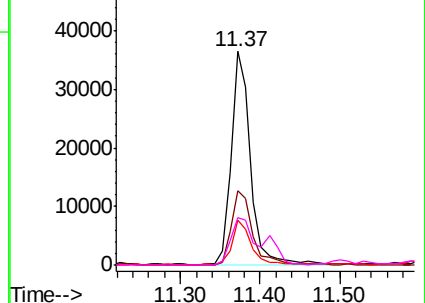


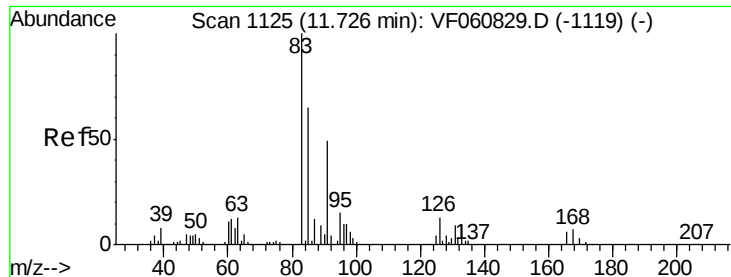
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 23.943 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

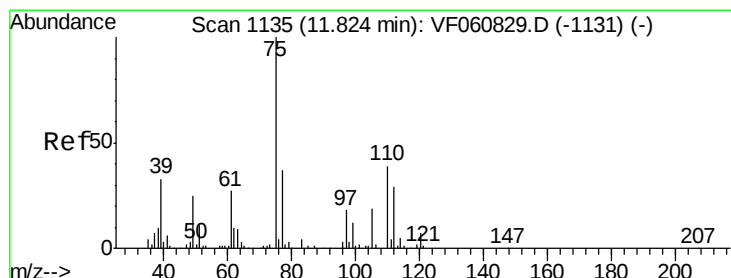
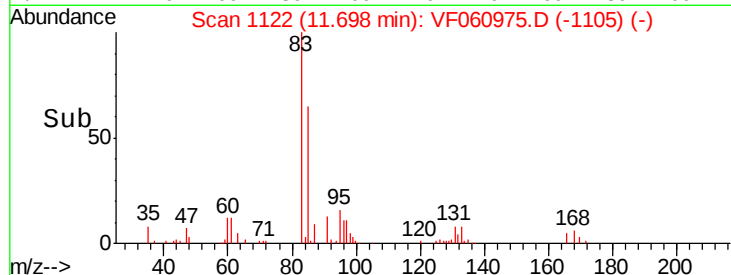
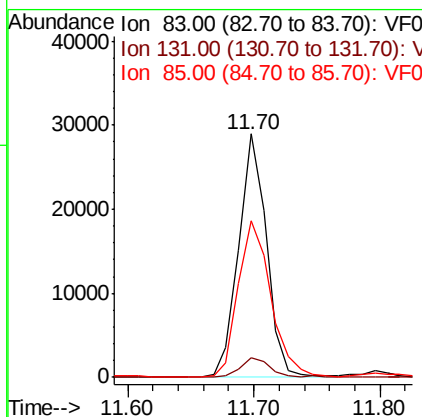
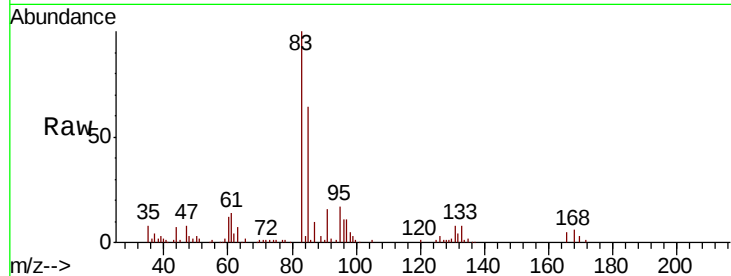
ClientSampleId :

VF1211SBS01

Tot Ion:	83	Resp:	44389
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.7	14.1
85	64.2	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 25.331 ug/l

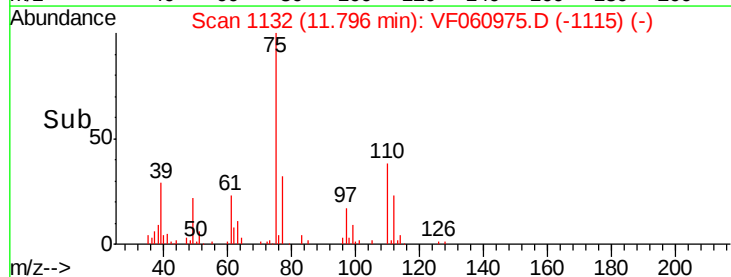
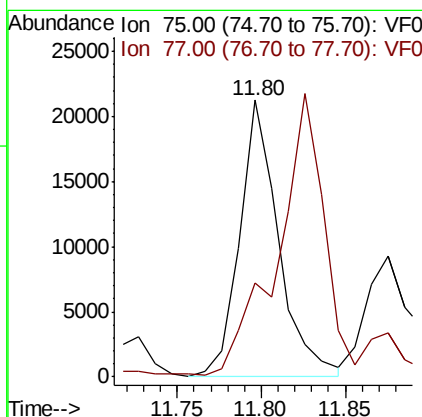
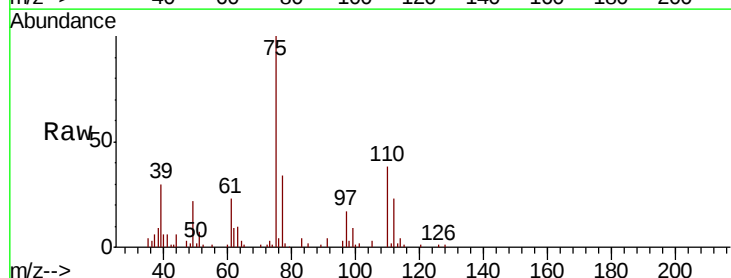
RT: 11.80 min Scan# 1132

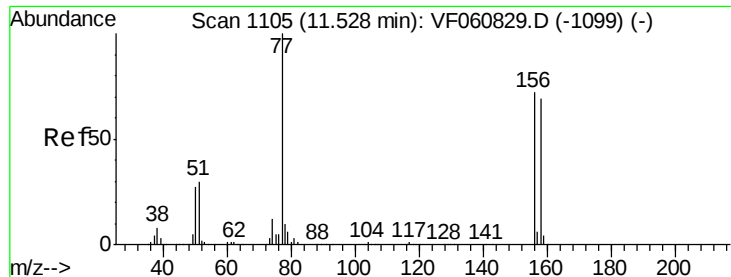
Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion:	75	Resp:	34135
Ion Ratio	Lower	Upper	
75	100		
77	34.1	18.4	55.4





#77

Bromobenzene

Concen: 22.928 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

Tot Ion:156 Resp: 56623

Ion Ratio Lower Upper

156 100

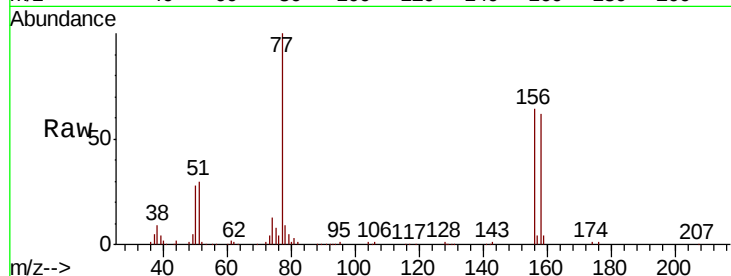
77 155.0 69.7 209.0

158 96.0 47.8 143.4

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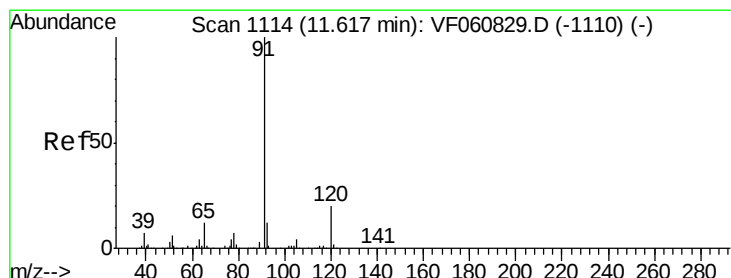
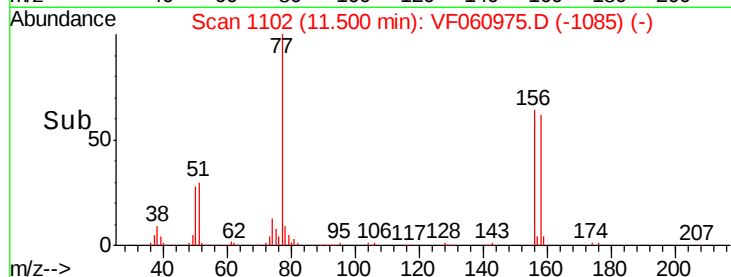
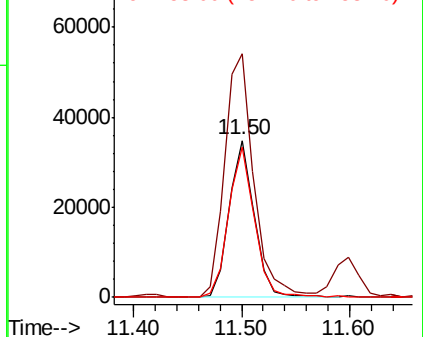
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 25.135 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF060975.D

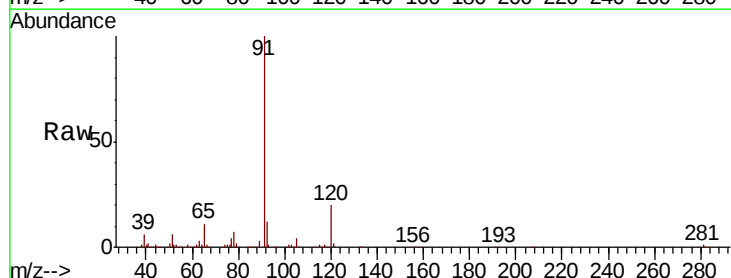
Acq: 11 Dec 2018 14:36

Tgt Ion: 91 Resp: 331575

Ion Ratio Lower Upper

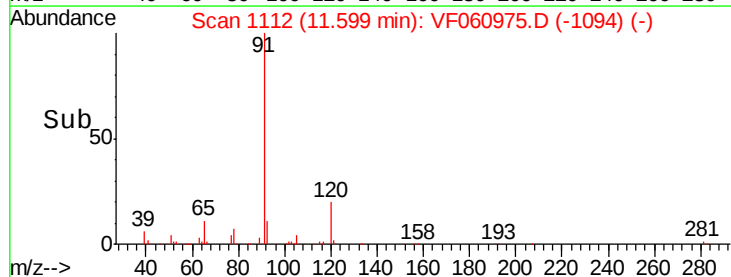
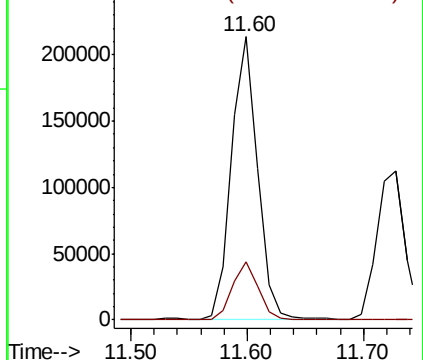
91 100

120 20.4 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.733 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBSD01

Tot Ion: 91 Resp: 187080

Ion Ratio Lower Upper

91 100

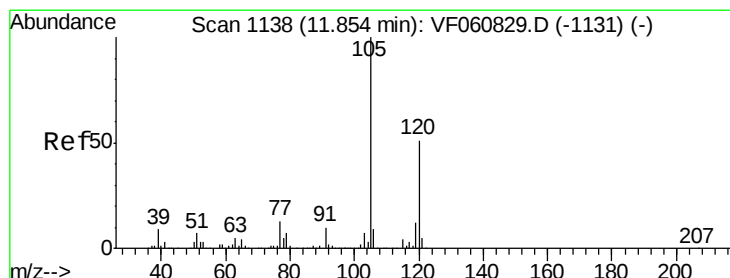
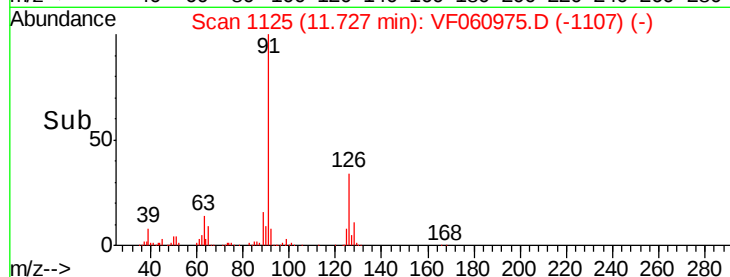
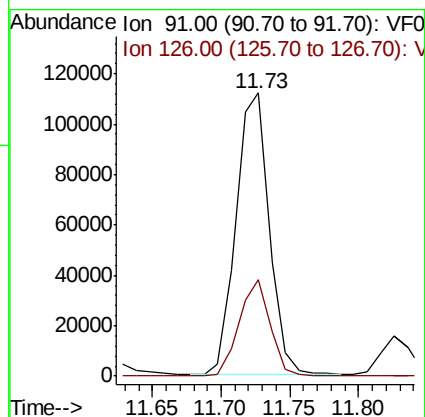
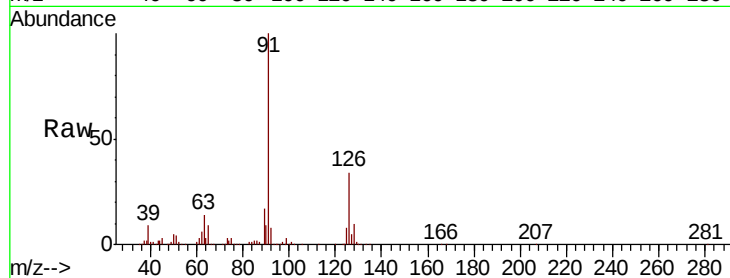
126 34.2 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 25.297 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF060975.D

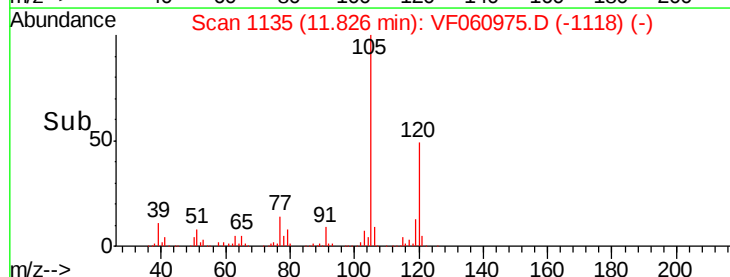
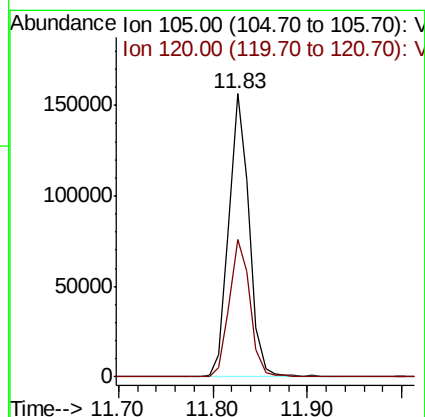
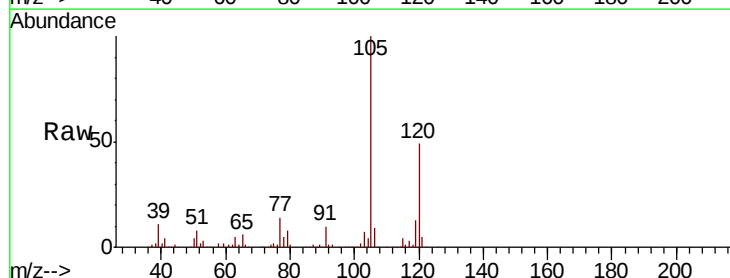
Acq: 11 Dec 2018 14:36

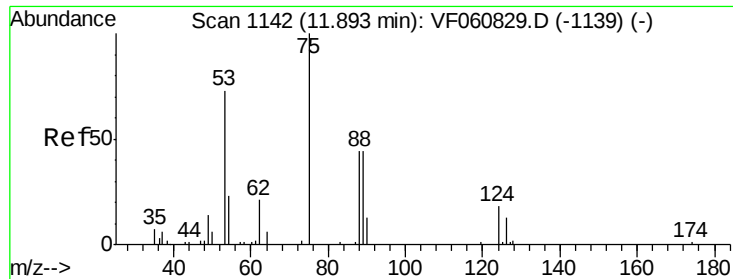
Tgt Ion: 105 Resp: 231333

Ion Ratio Lower Upper

105 100

120 48.6 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 25.209 ug/l m

RT: 11.88 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

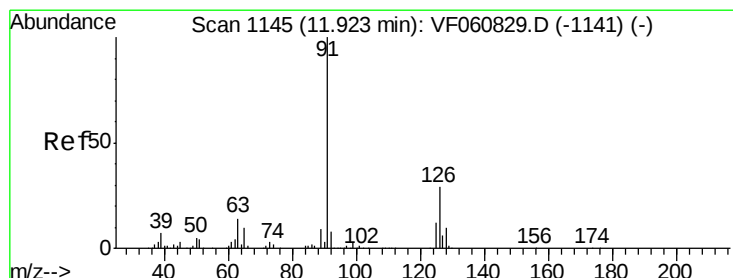
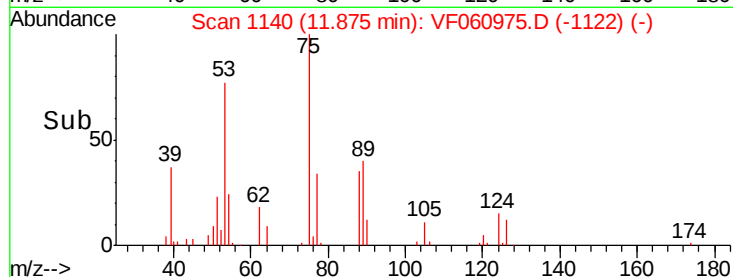
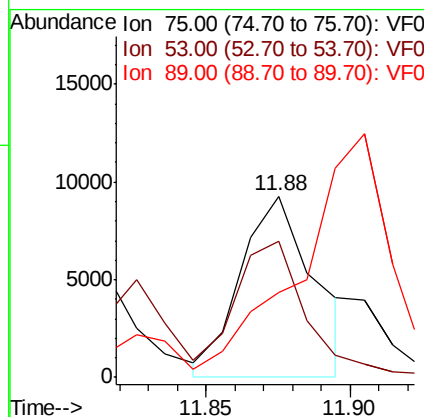
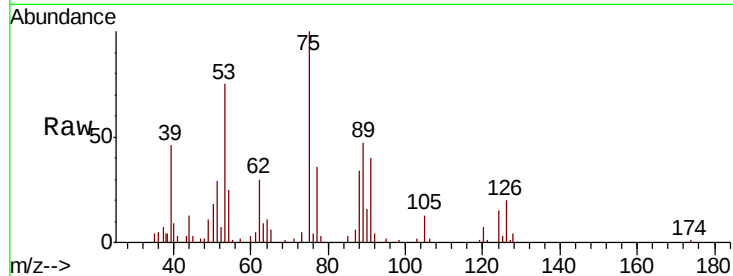
ClientSampleId :

VF1211SBS01

Tot Ion:	75	Resp:	16644
Ion	Ratio	Lower	Upper
75	100		
53	75.2	65.9	98.9
89	47.1	38.8	58.2

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#82

4-Chlorotoluene

Concen: 23.309 ug/l

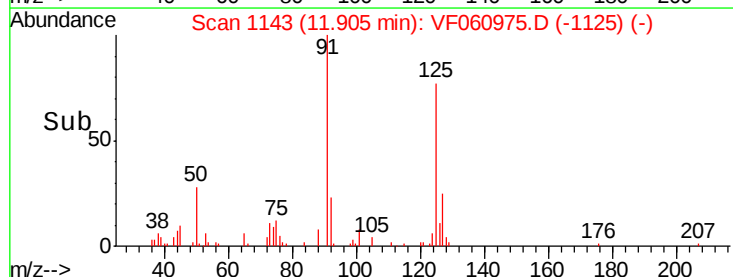
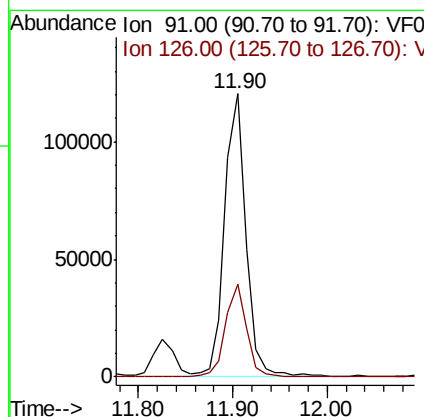
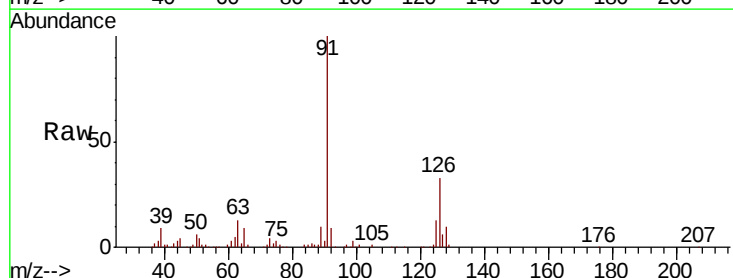
RT: 11.90 min Scan# 1143

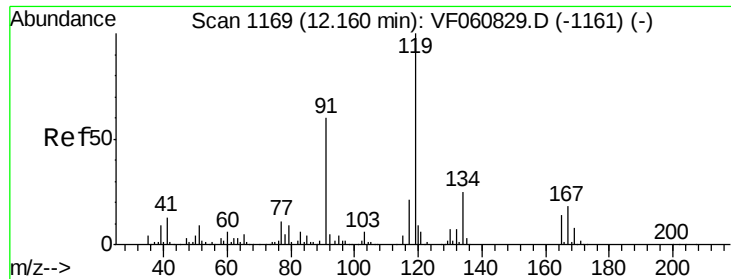
Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion:	91	Resp:	185541
Ion	Ratio	Lower	Upper
91	100		
126	32.7	14.8	44.4





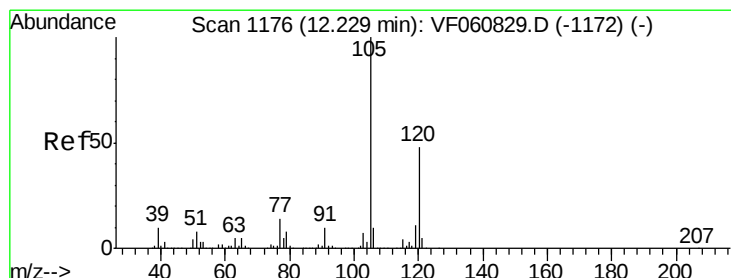
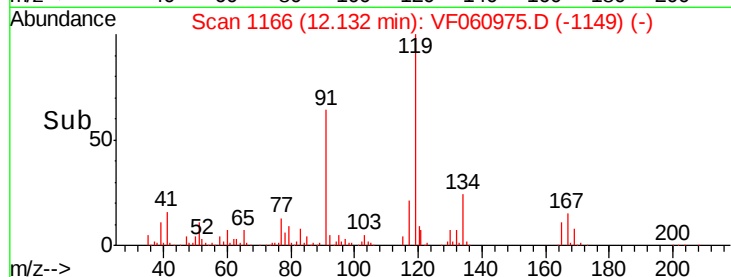
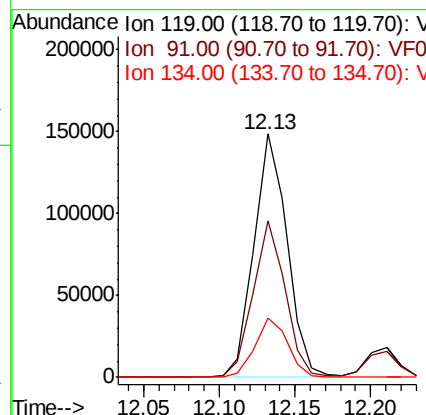
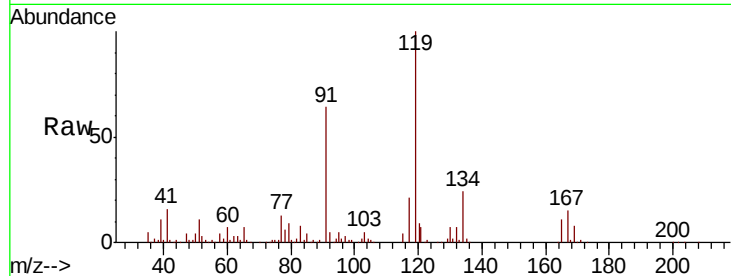
#83
tert-Butylbenzene
Concen: 24.572 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228893		
91	64.4	30.1	90.3	
134	24.3	12.6	37.8	

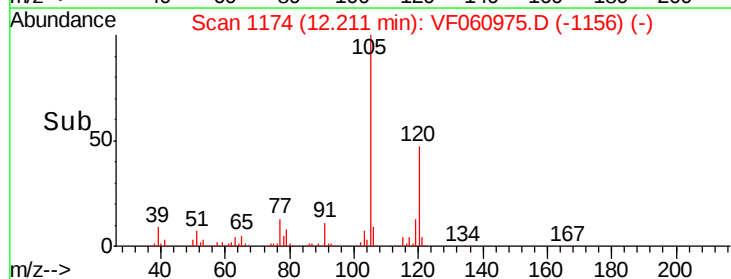
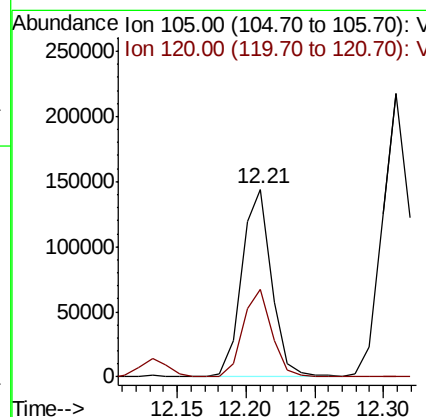
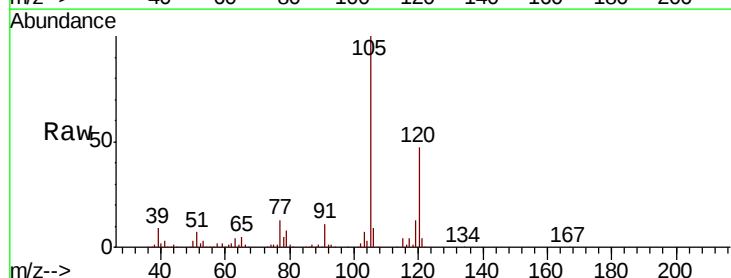
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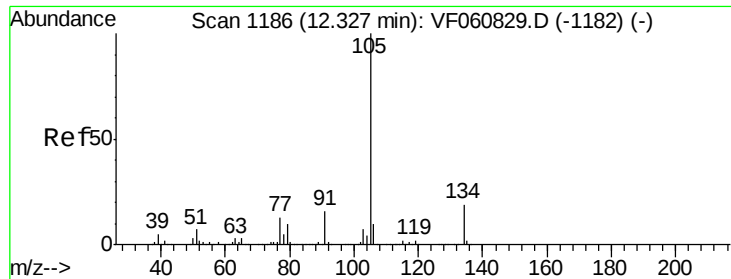
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#84
1,2,4-Trimethylbenzene
Concen: 23.697 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	216272		
120	46.5	23.8	71.5	





#85

sec-Butylbenzene

Concen: 24.306 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1211SBS01

Tot Ion:105 Resp: 309949

Ion Ratio Lower Upper

105 100

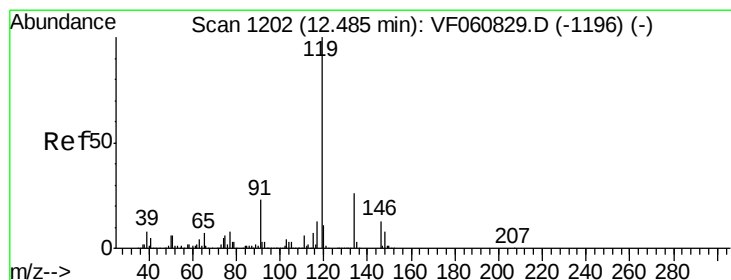
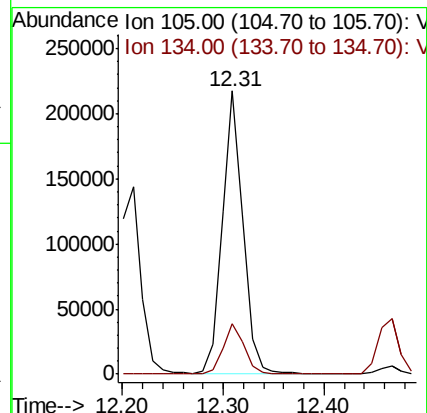
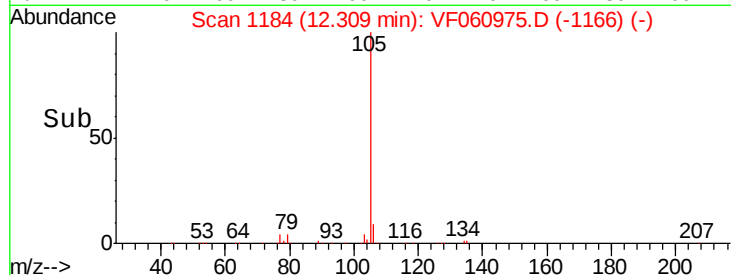
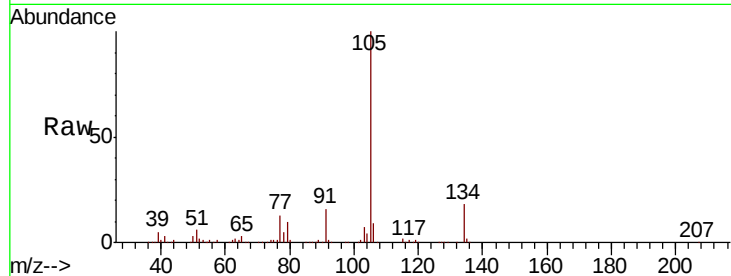
134 18.0 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 23.965 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

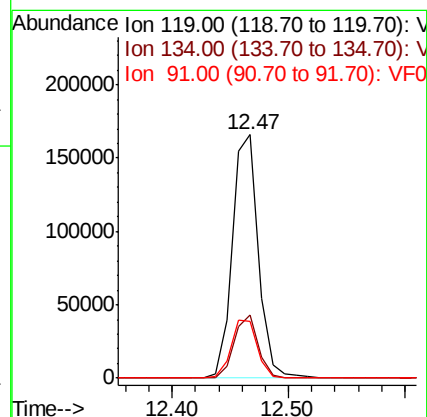
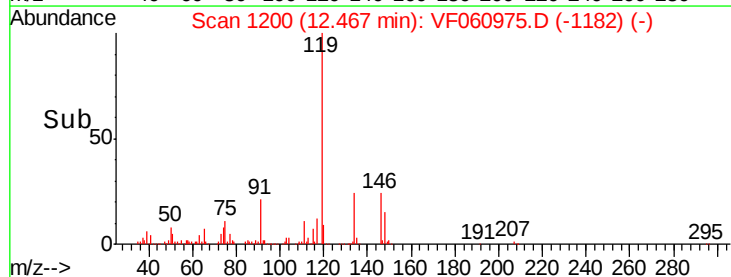
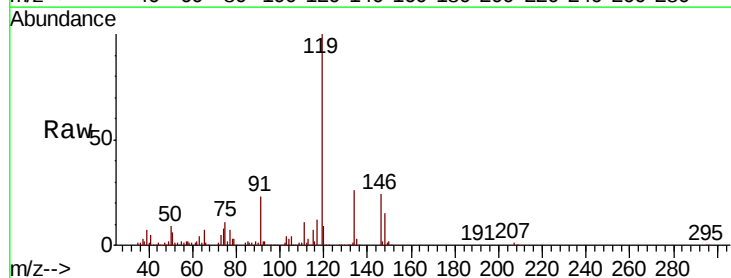
Tgt Ion:119 Resp: 256208

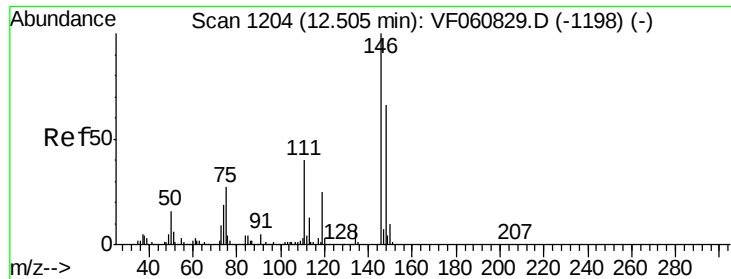
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 23.4 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 24.101 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

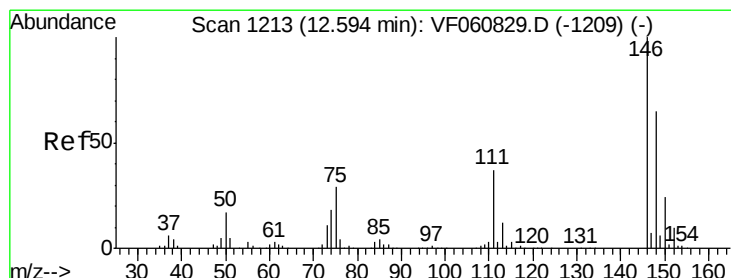
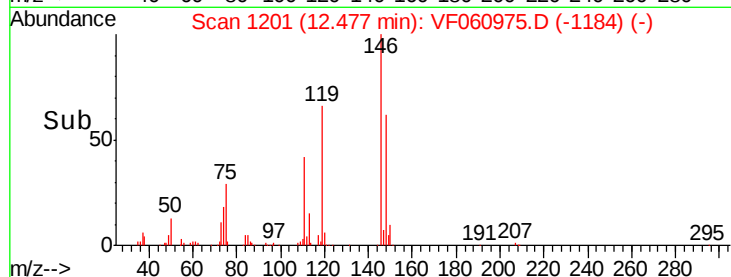
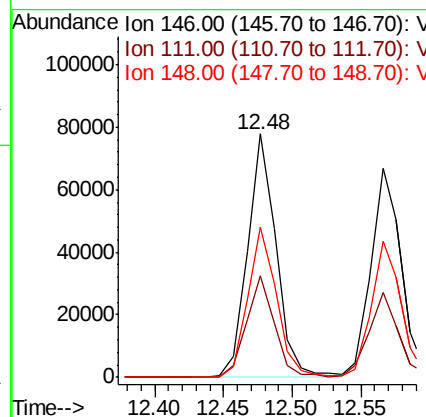
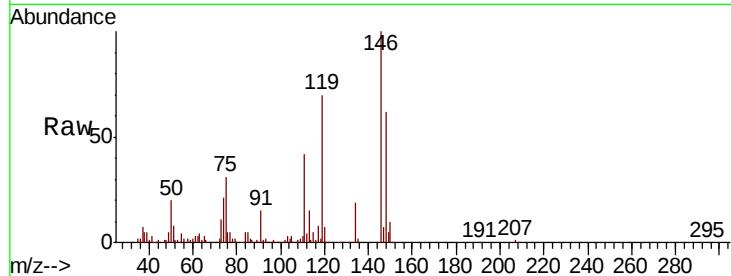
ClientSampleId :

VF1211SBS01

Tot Ion:	146	Resp:	113218
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.0	59.9
148	61.6	32.9	98.6

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#88

1,4-Dichlorobenzene

Concen: 22.594 ug/l

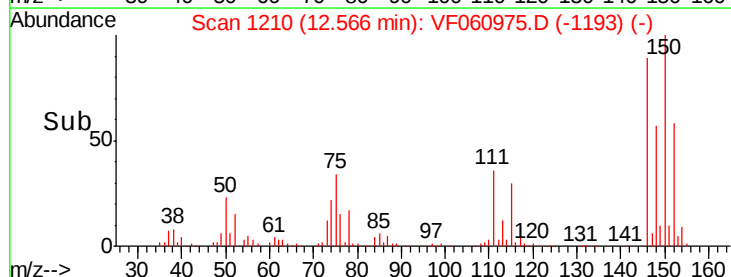
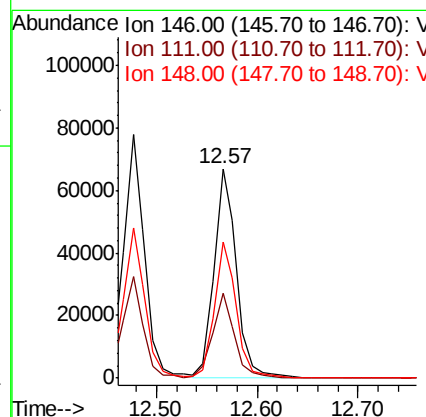
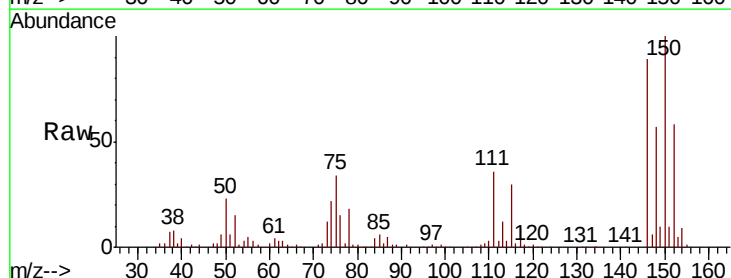
RT: 12.57 min Scan# 1210

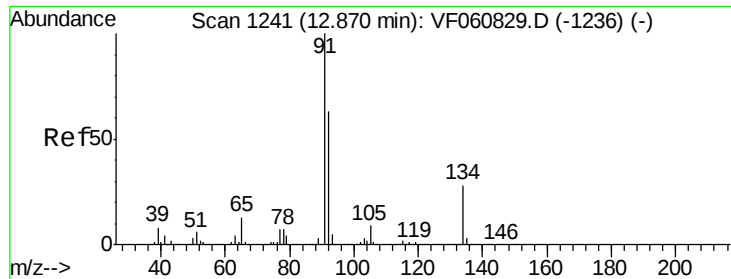
Delta R.T. -0.03 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion:	146	Resp:	103437
Ion Ratio	Lower	Upper	
146	100		
111	40.8	18.9	56.7
148	64.8	32.3	96.9





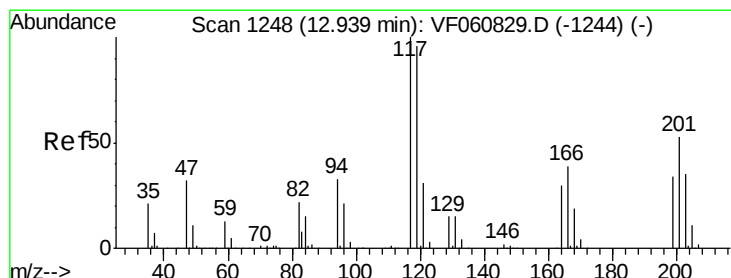
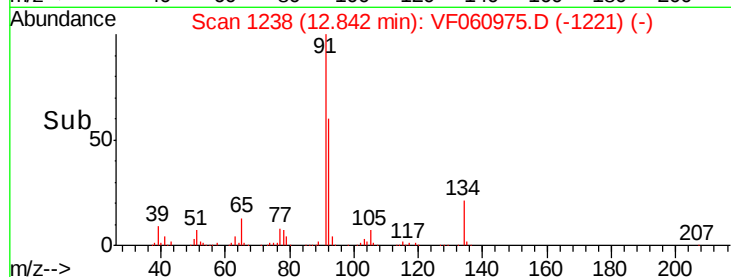
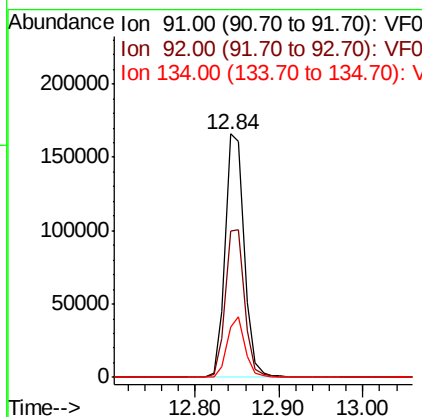
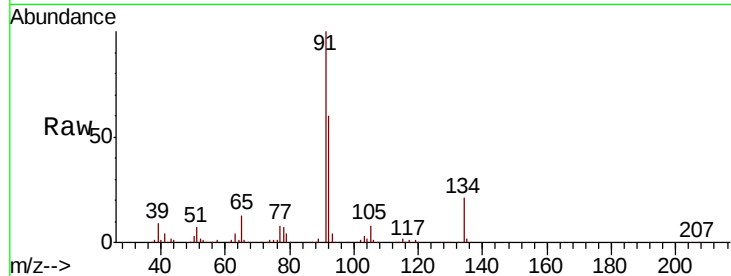
#89
n-Butylbenzene
Concen: 24.182 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1211SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.0	31.6	94.7
134	20.5	13.8	41.4

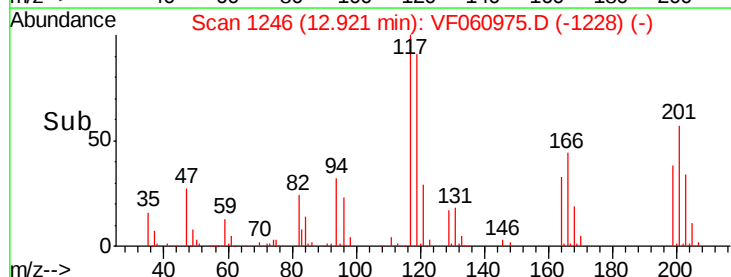
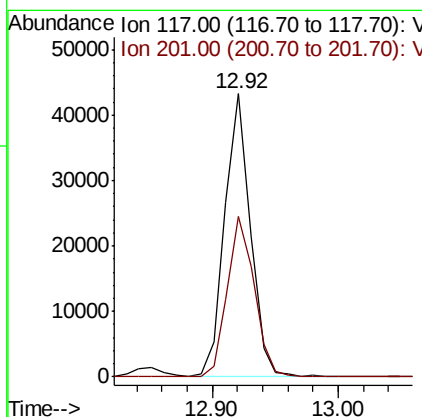
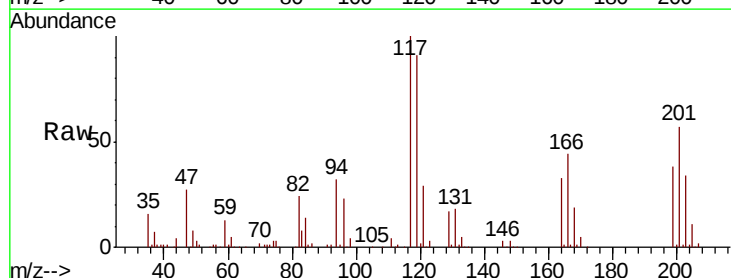
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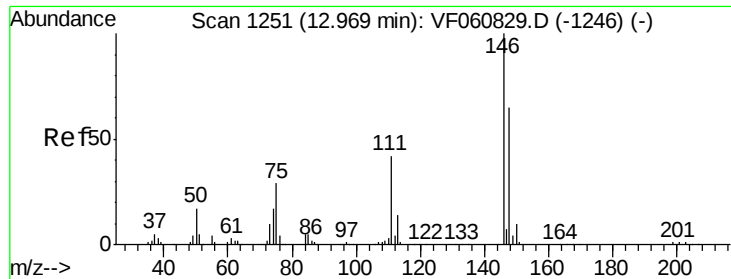
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#90
Hexachloroethane
Concen: 23.701 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF060975.D
Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	56.5	26.7	80.1





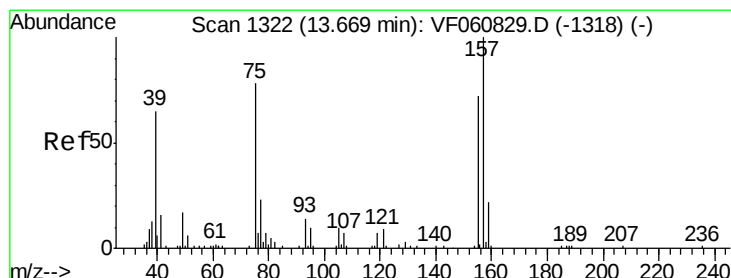
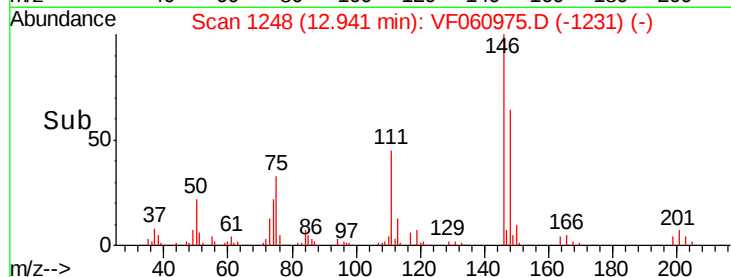
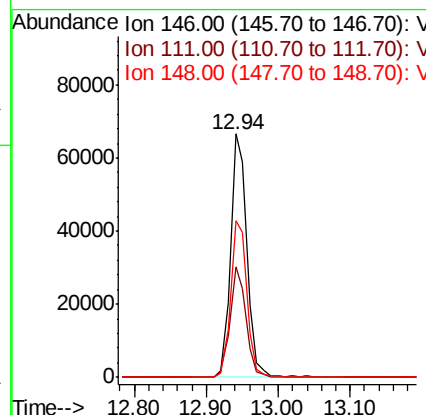
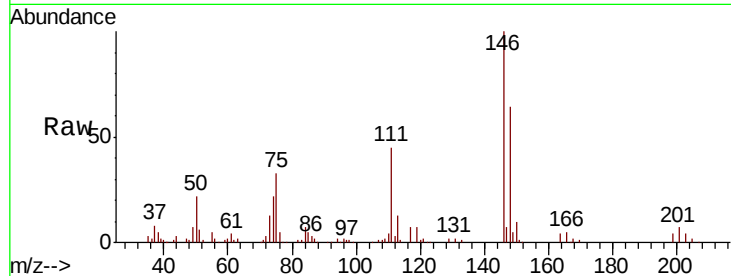
#91
 1,2-Dichlorobenzene
 Concen: 23.455 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.2	63.6
148	64.1	32.5	97.5

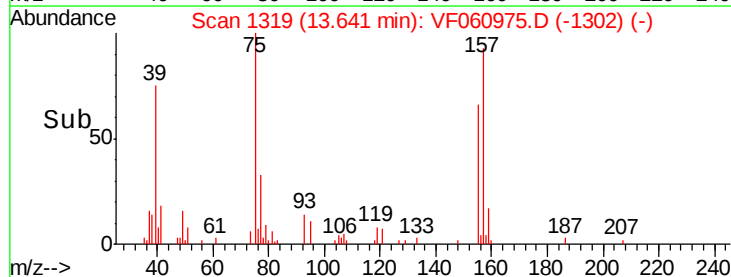
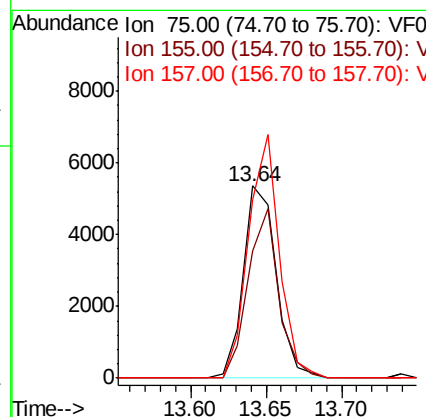
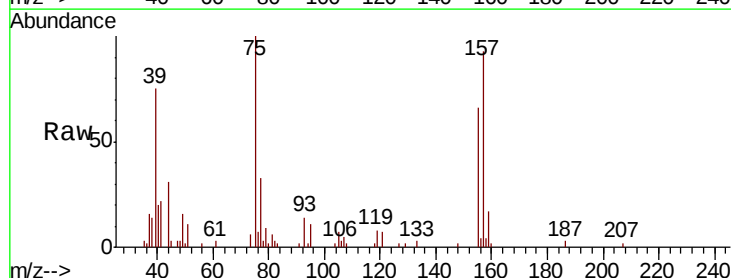
Manual Integrations
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 12/12/2018 1:27:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.649 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.2	45.6	136.9
157	92.7	63.8	191.5





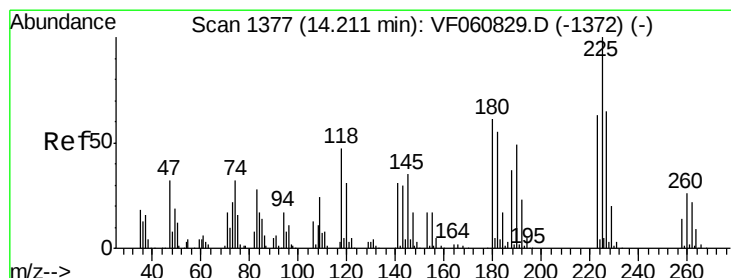
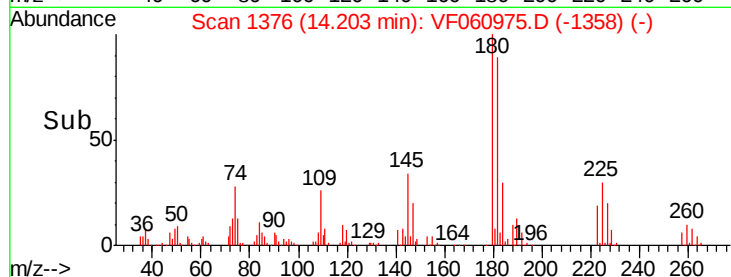
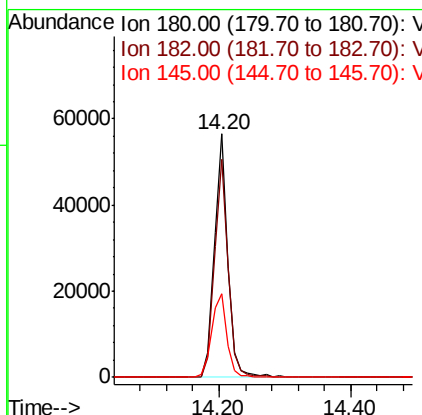
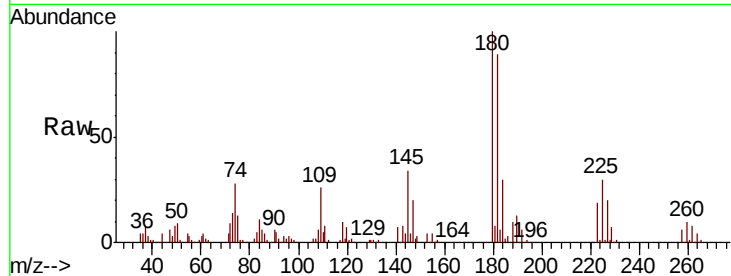
#93
 1,2,4-Trichlorobenzene
 Concen: 25.184 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	78282		
182	89.4	48.5	145.5	
145	34.4	18.1	54.3	

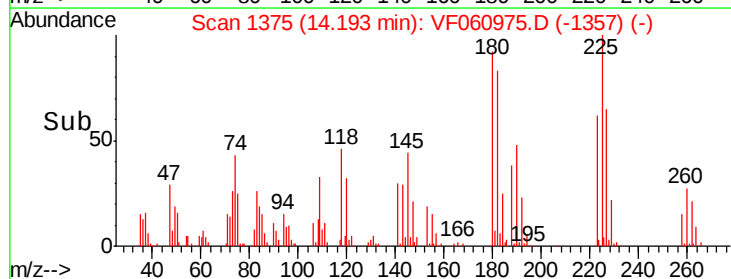
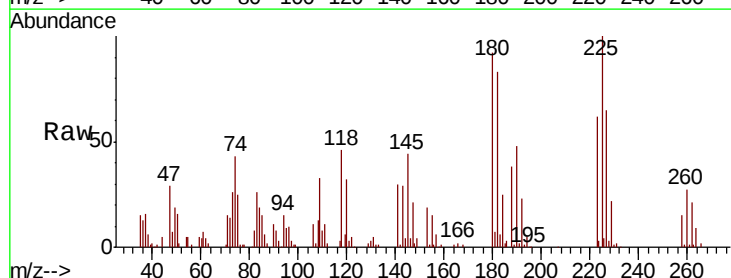
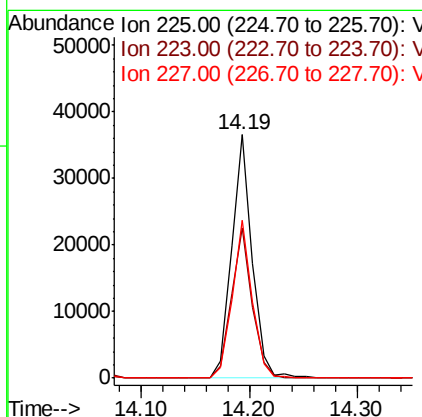
Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 1:27:45 PM



#94
 Hexachlorobutadiene
 Concen: 23.277 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060975.D
 Acq: 11 Dec 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48232		
223	61.8	31.4	94.3	
227	64.8	32.5	97.5	





#95

Naphthalene

Concen: 20.118 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Instrument :

MSVOA_F

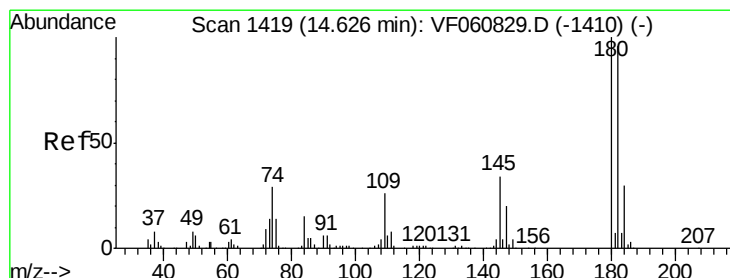
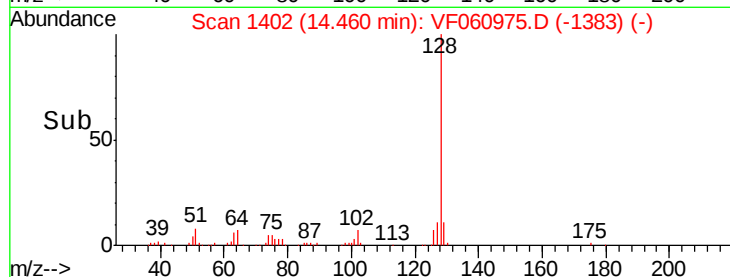
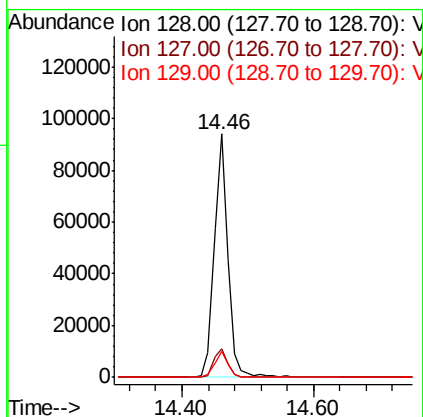
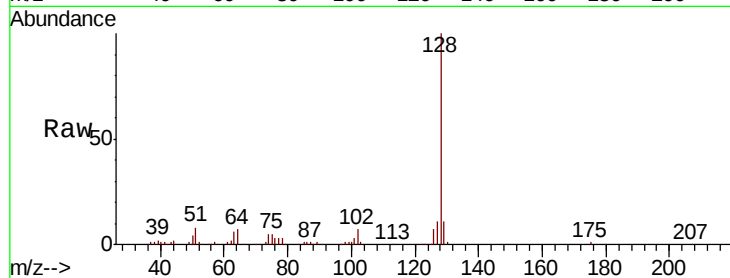
ClientSampleId :

VF1211SBSD01

Tot Ion:	128	Resp:	133989
Ion Ratio	Lower	Upper	
128	100		
127	11.5	9.9	14.9
129	10.6	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
12/12/2018 1:27:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 23.315 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VF060975.D

Acq: 11 Dec 2018 14:36

Tgt Ion:	180	Resp:	67291
Ion Ratio	Lower	Upper	
180	100		
182	90.4	47.9	143.8
145	31.9	17.2	51.5

