

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041619\
 Data File : VX008991.D
 Acq On : 16 Apr 2019 16:38
 Operator : JC/SP
 Sample : VX0416MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 9:58:57 AM

Quant Time: Apr 17 05:41:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 09:35:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	216627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	350752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	317845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150705	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	145349	47.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.22%	
35) Dibromofluoromethane	5.50	113	105783	46.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.98%	
50) Toluene-d8	8.71	98	435873	48.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.10%	
62) 4-Bromofluorobenzene	11.13	95	156880	49.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	49719	19.926	ug/l	100
3) Chloromethane	1.32	50	65613	21.420	ug/l	99
4) Vinyl Chloride	1.41	62	59260	19.876	ug/l	96
5) Bromomethane	1.64	94	32942	20.135	ug/l	96
6) Chloroethane	1.72	64	35164	20.057	ug/l	99
7) Trichlorofluoromethane	1.93	101	65054	18.689	ug/l	98
8) Diethyl Ether	2.18	74	29534	18.552	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40936	18.393	ug/l	98
10) Methyl Iodide	2.51	142	41225	19.860	ug/l	99
11) Tert butyl alcohol	3.04	59	66669	98.381	ug/l	100
12) 1,1-Dichloroethene	2.37	96	41316	17.785	ug/l	99
13) Acrolein	2.29	56	50094	85.554	ug/l	100
14) Allyl chloride	2.73	41	94472	18.640	ug/l	99
15) Acrylonitrile	3.14	53	160886	93.526	ug/l	99
16) Acetone	2.44	43	143344	90.543	ug/l	99
17) Carbon Disulfide	2.57	76	112910	17.378	ug/l	98
18) Methyl Acetate	2.77	43	71982	18.218	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	159802	19.306	ug/l	100
20) Methylene Chloride	2.86	84	50815	18.769	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	44203	17.839	ug/l	93
22) Diisopropyl ether	3.85	45	191924	19.488	ug/l	98
23) Vinyl Acetate	3.81	43	842590	97.328	ug/l	98
24) 1,1-Dichloroethane	3.70	63	93162	18.844	ug/l	100
25) 2-Butanone	4.67	43	245579	97.045	ug/l	98
26) 2,2-Dichloropropane	4.58	77	61741	16.661	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	52597	18.696	ug/l	99
28) Bromochloromethane	5.02	49	45309	20.944	ug/l	98
29) Tetrahydrofuran	5.13	42	162228	95.780	ug/l	99
30) Chloroform	5.21	83	84232	19.040	ug/l	98
31) Cyclohexane	5.58	56	91989	18.918	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	68742	18.748	ug/l	99
36) 1,1-Dichloropropene	5.80	75	65749	18.125	ug/l	99
37) Ethyl Acetate	4.83	43	91613	19.627	ug/l	100
38) Carbon Tetrachloride	5.78	117	55198	17.949	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	81570	18.469	ug/l	98
40) Benzene	6.14	78	204714	19.130	ug/l	100
41) Methacrylonitrile	5.04	41	51720	19.306	ug/l	99
42) 1,2-Dichloroethane	6.19	62	72031	19.001	ug/l	100
43) Isopropyl Acetate	6.44	43	147064	19.551	ug/l	99
44) Trichloroethene	7.21	130	48436	18.472	ug/l	100
45) 1,2-Dichloropropane	7.51	63	57612	19.405	ug/l	95
46) Dibromomethane	7.66	93	32127	18.594	ug/l	99
47) Bromodichloromethane	7.90	83	60632	17.892	ug/l	99
48) Methyl methacrylate	7.77	41	73747	19.842	ug/l	99
49) 1,4-Dioxane	7.74	88	27854	400.392	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	487375	101.702	ug/l	99
52) Toluene	8.78	92	124294	19.380	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	70110	17.976	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	79582	18.223	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	50168	19.736	ug/l	97
56) Ethyl methacrylate	9.18	69	92166	20.221	ug/l	99
57) 1,3-Dichloropropane	9.37	76	86260	19.060	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	241986	98.593	ug/l	100
59) 2-Hexanone	9.49	43	375954	101.755	ug/l	99
60) Dibromochloromethane	9.58	129	44219	18.151	ug/l	98
61) 1,2-Dibromoethane	9.67	107	50416	19.217	ug/l	98
64) Tetrachloroethene	9.34	164	44416	18.395	ug/l	98
65) Chlorobenzene	10.13	112	126259	18.820	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	43591	18.444	ug/l	99
67) Ethyl Benzene	10.25	91	234329	19.107	ug/l	100
68) m/p-Xylenes	10.35	106	168090	37.713	ug/l	98
69) o-Xylene	10.69	106	82646	19.057	ug/l	98
70) Styrene	10.71	104	143517	19.097	ug/l	99
71) Bromoform	10.85	173	31356	16.653	ug/l #	96
73) Isopropylbenzene	11.02	105	222090	19.442	ug/l	100
74) N-amyl acetate	10.90	43	131373	20.029	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	79881	19.139	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	70297m	19.103	ug/l	
77) Bromobenzene	11.26	156	54096	18.769	ug/l	99
78) n-propylbenzene	11.36	91	255420	19.481	ug/l	100
79) 2-Chlorotoluene	11.42	91	151504	19.176	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	184522	19.249	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	23842	16.633	ug/l	89
82) 4-Chlorotoluene	11.51	91	174620	19.030	ug/l	100
83) tert-Butylbenzene	11.77	119	176890	19.220	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	188497	19.318	ug/l	100
85) sec-Butylbenzene	11.94	105	213209	19.424	ug/l	100
86) p-Isopropyltoluene	12.06	119	194156	19.239	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	95066	18.846	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	94876	18.554	ug/l	99
89) n-Butylbenzene	12.38	91	176026	18.729	ug/l	99
90) Hexachloroethane	12.59	117	29501	17.722	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	95117	19.095	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16892	17.775	ug/l	99

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Instrument :
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ClientSampleId :
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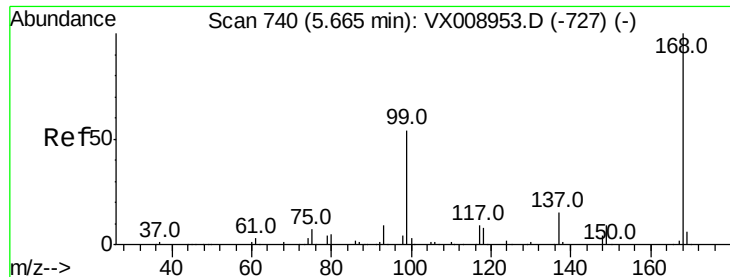
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	65531	18.224	ug/l	100
94) Hexachlorobutadiene	13.78	225	33384	18.615	ug/l	99
95) Naphthalene	13.83	128	218866	18.998	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	65439	18.445	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion:168 Resp: 216627

Ion Ratio Lower Upper

168 100

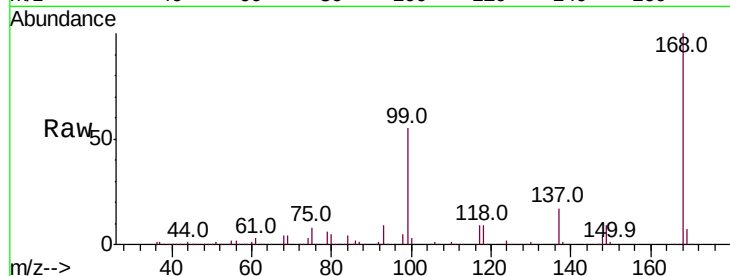
99 54.6 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

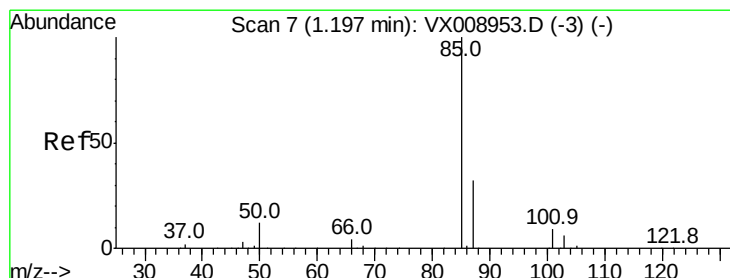
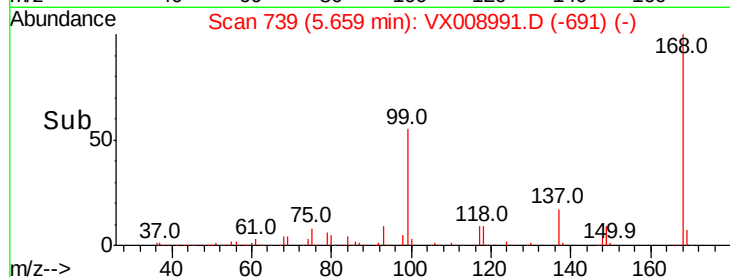
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.926 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008991.D

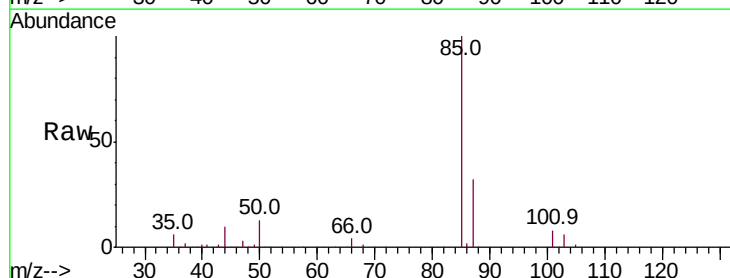
Acq: 16 Apr 2019 16:38

Tgt Ion: 85 Resp: 49719

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

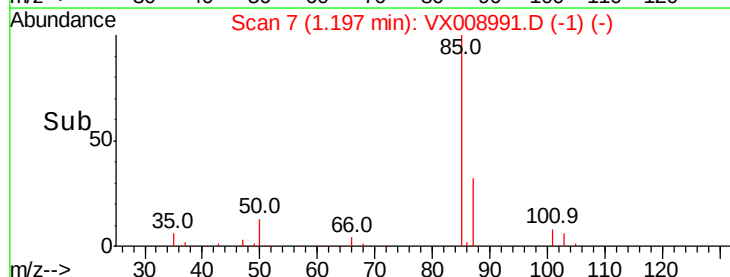
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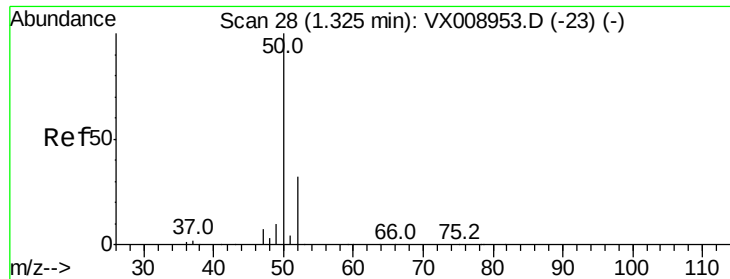
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 21.420 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 50 Resp: 65613

Ion Ratio Lower Upper

50 100

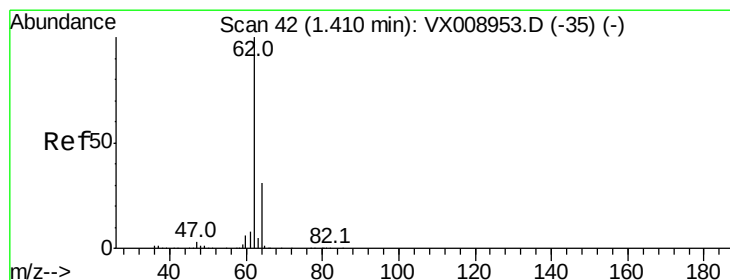
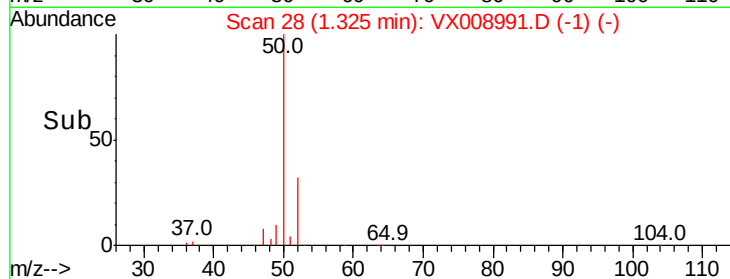
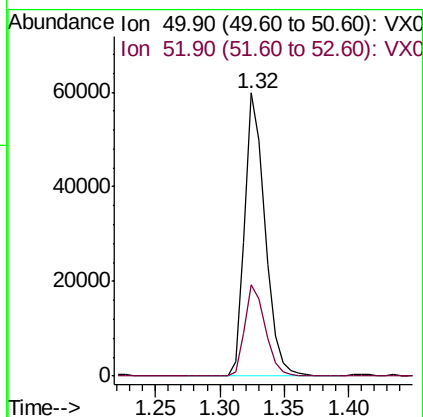
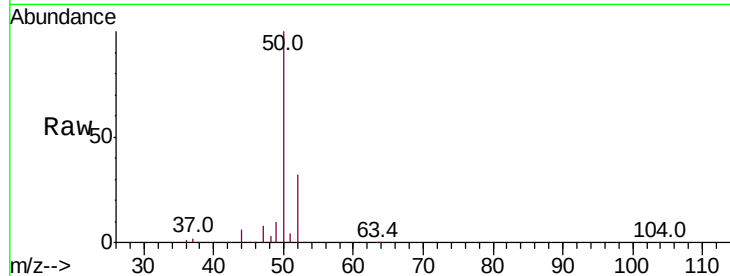
52 32.2 25.5 38.3

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#4

Vinyl Chloride

Concen: 19.876 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008991.D

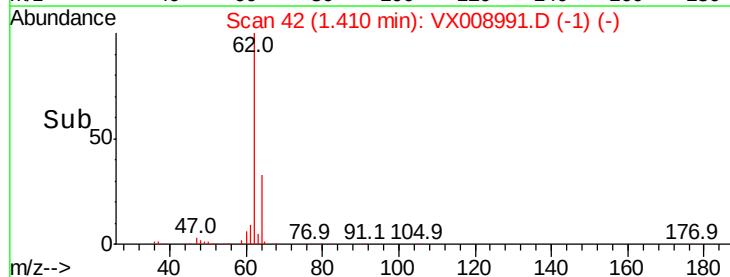
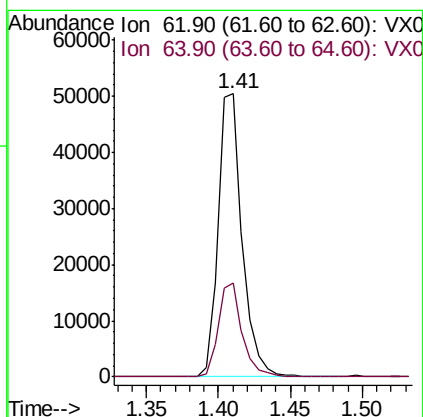
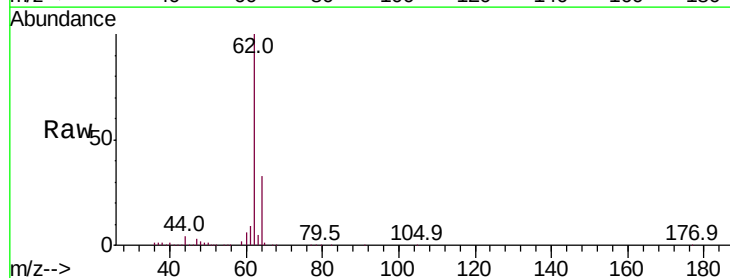
Acq: 16 Apr 2019 16:38

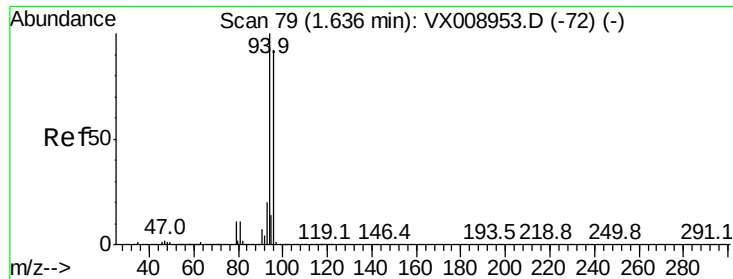
Tgt Ion: 62 Resp: 59260

Ion Ratio Lower Upper

62 100

64 33.2 25.0 37.4





#5

Bromomethane

Concen: 20.135 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 94 Resp: 32942

Ion Ratio Lower Upper

94 100

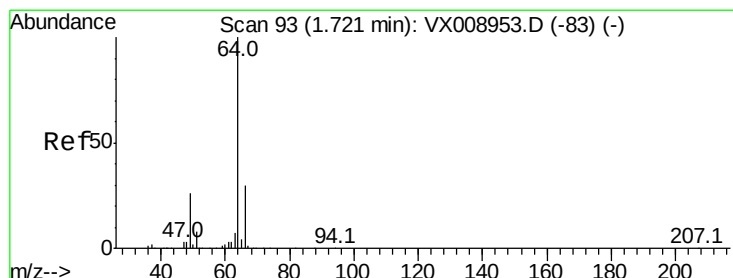
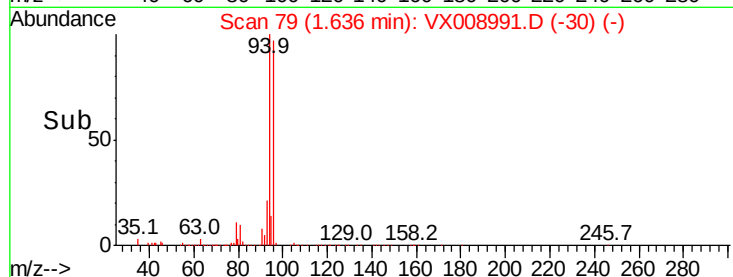
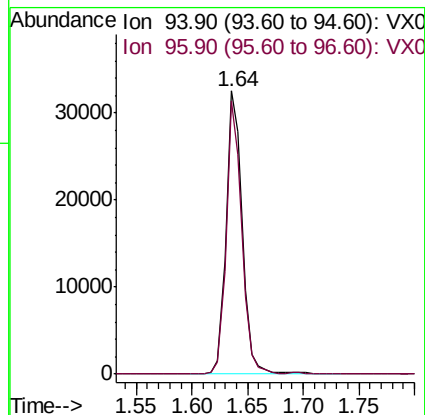
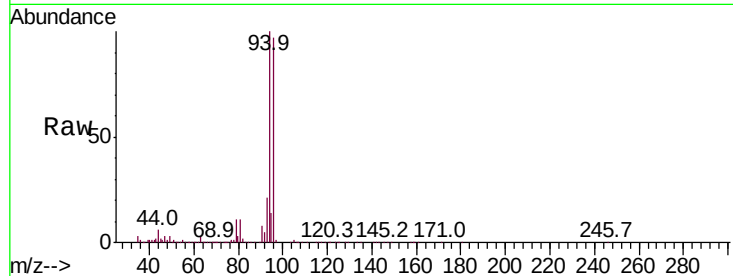
96 96.6 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 20.057 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX008991.D

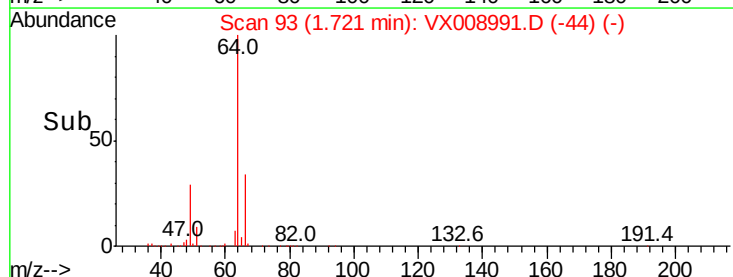
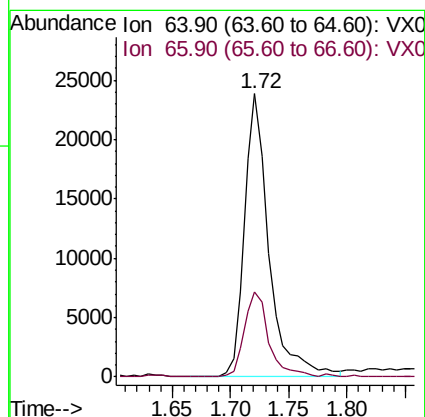
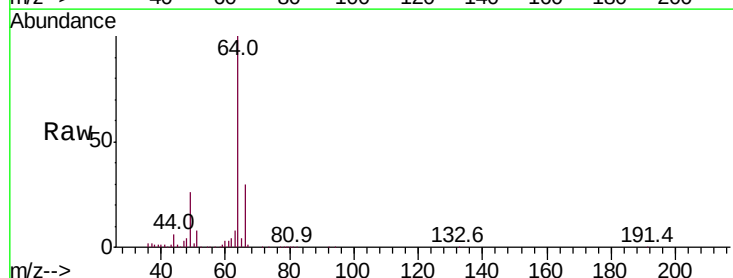
Acq: 16 Apr 2019 16:38

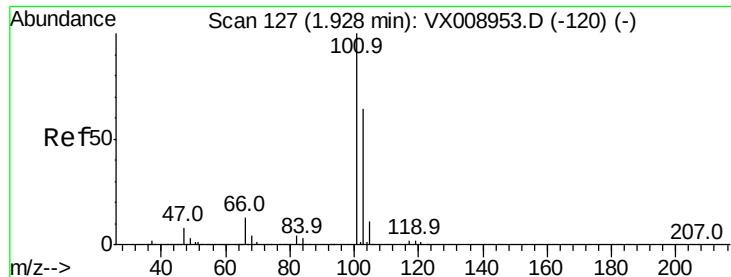
Tgt Ion: 64 Resp: 35164

Ion Ratio Lower Upper

64 100

66 29.8 24.2 36.2





#7

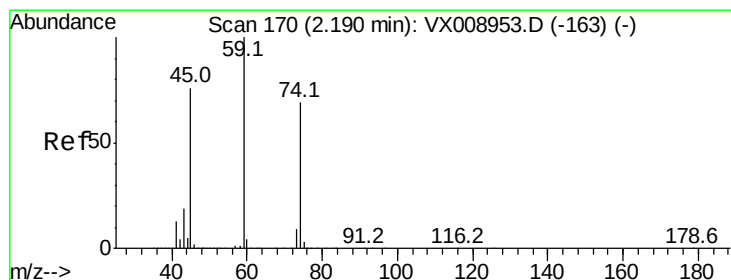
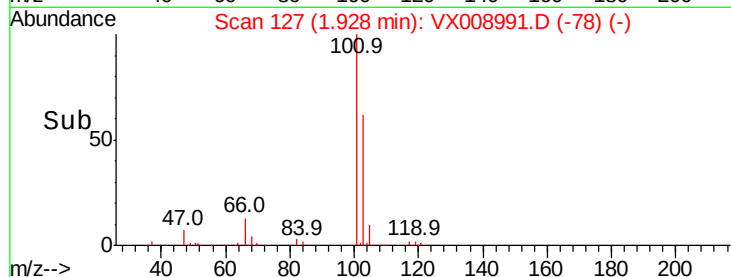
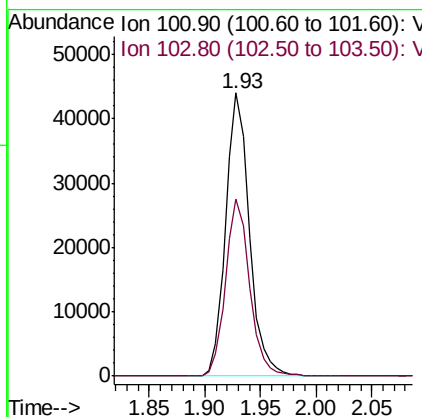
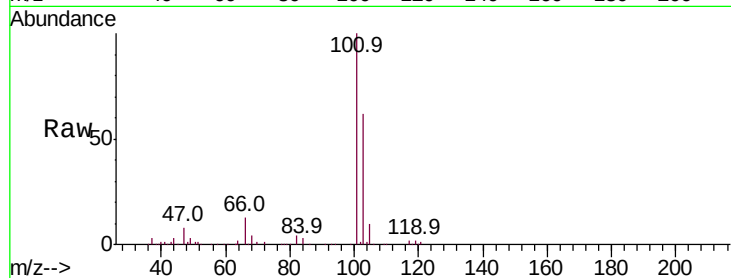
Trichlorofluoromethane
Concen: 18.689 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.0	76.6

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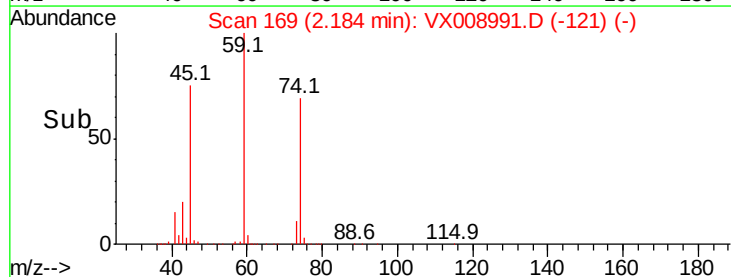
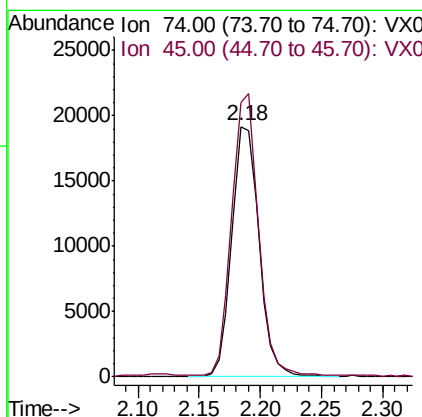
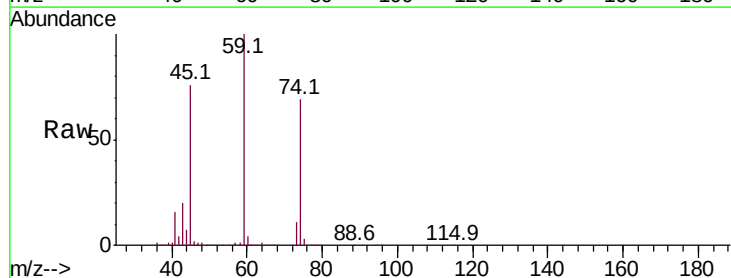
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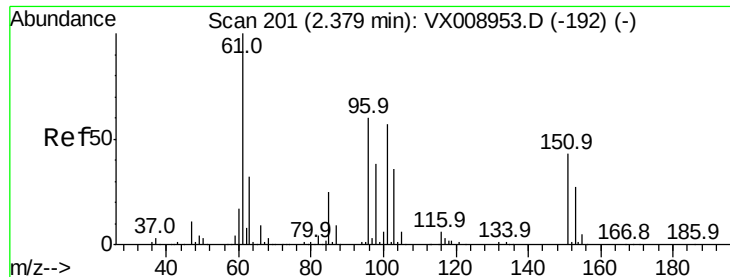


#8

Diethyl Ether
Concen: 18.552 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.1	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.393 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion:101 Resp: 40936

Ion Ratio Lower Upper

101 100

85 43.6 35.7 53.5

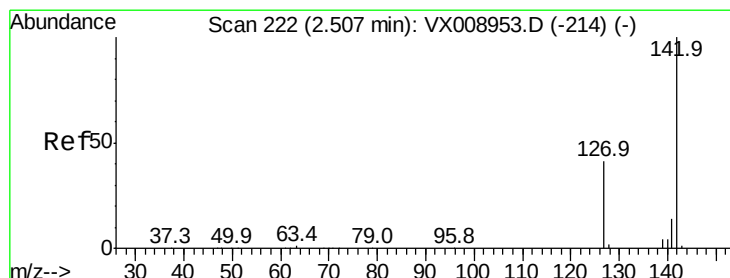
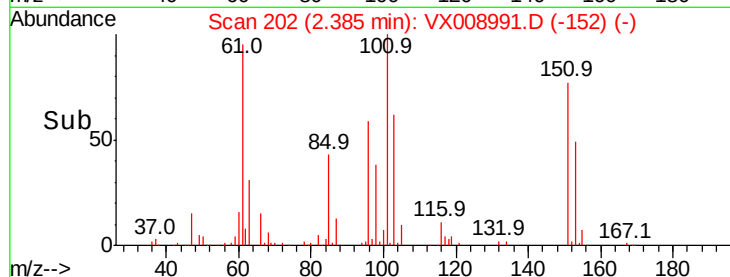
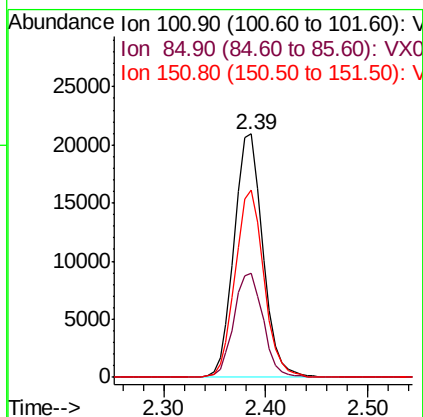
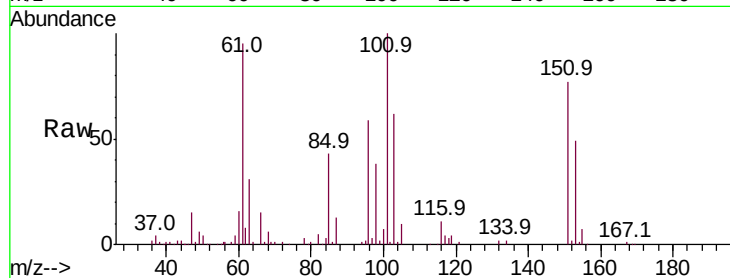
151 77.0 62.7 94.1

Manual Integrations

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#10

Methyl Iodide

Concen: 19.860 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

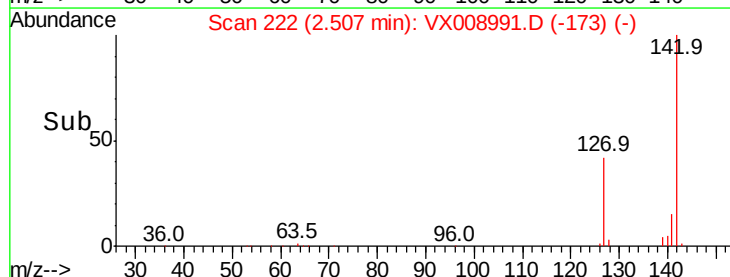
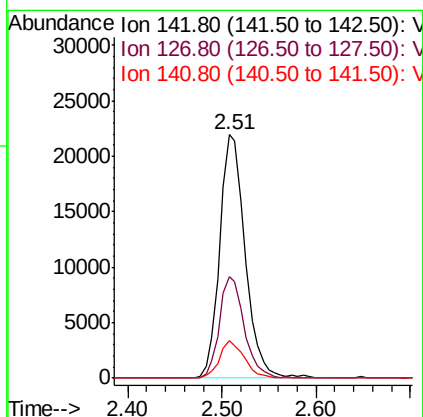
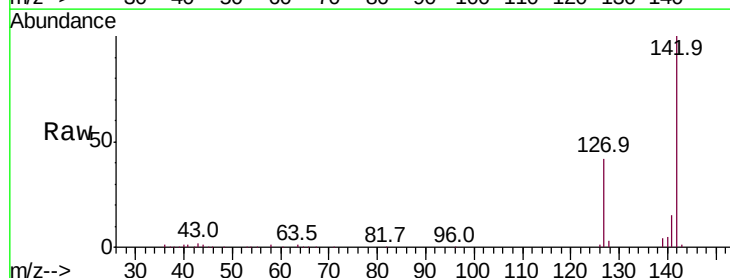
Tgt Ion:142 Resp: 41225

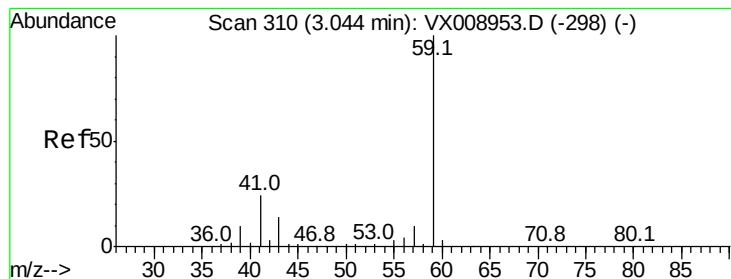
Ion Ratio Lower Upper

142 100

127 40.8 32.8 49.2

141 15.0 11.4 17.2





#11

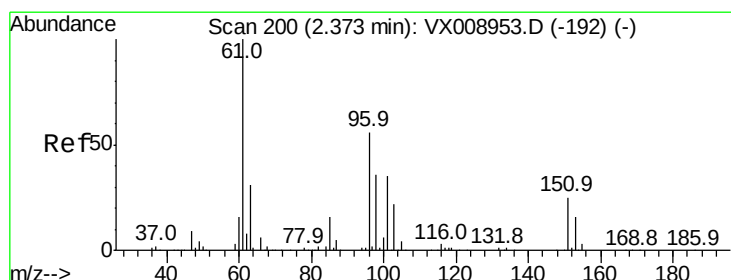
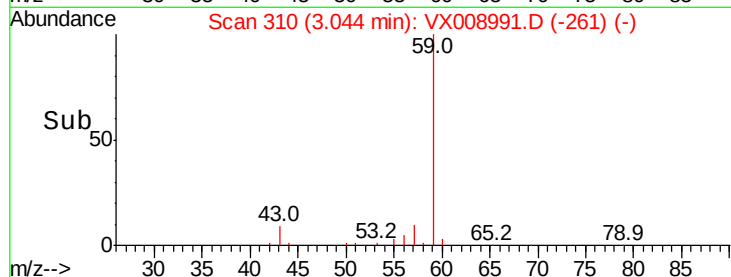
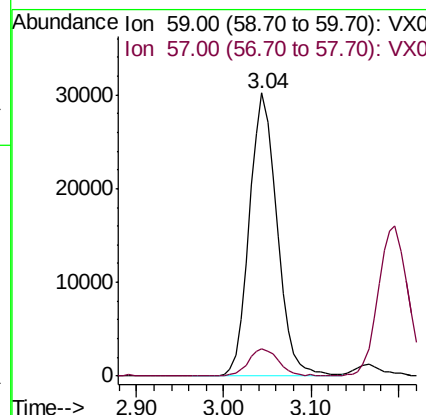
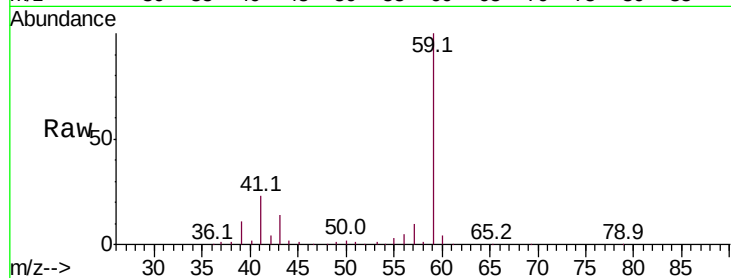
Tert butyl alcohol
 Concen: 98.381 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

Manual Integrations
 APPROVED

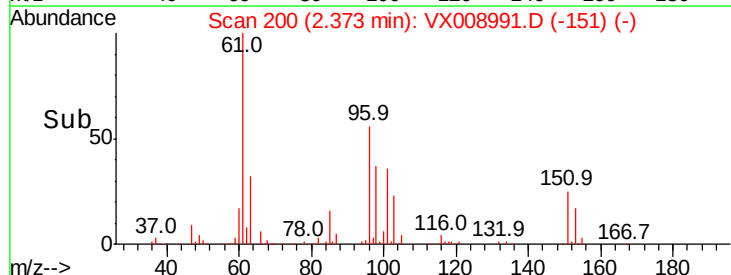
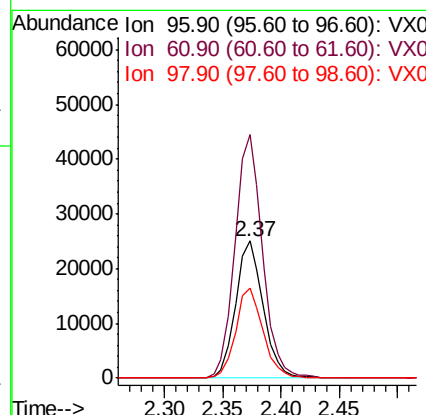
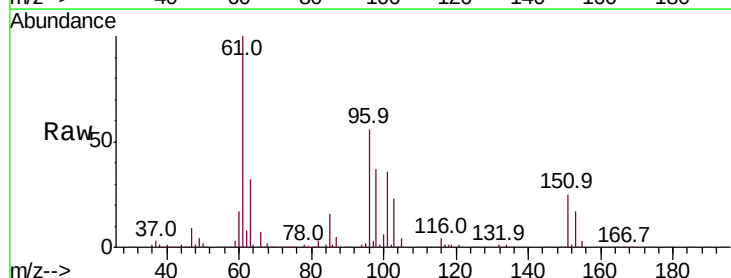
MMDadoda
 4/17/2019 9:58:57 AM

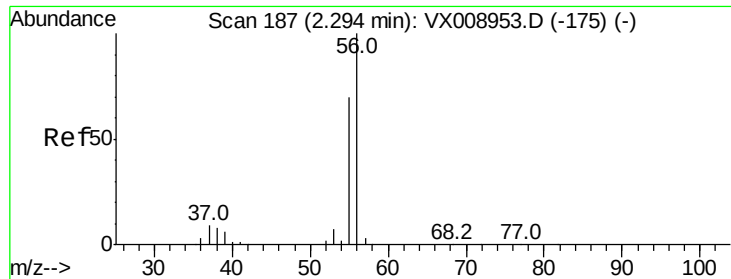


#12

1,1-Dichloroethene
 Concen: 17.785 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.4	142.2	213.2
98	66.0	50.9	76.3





#13

Acrolein

Concen: 85.554 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 56 Resp: 50094

Ion Ratio Lower Upper

56 100

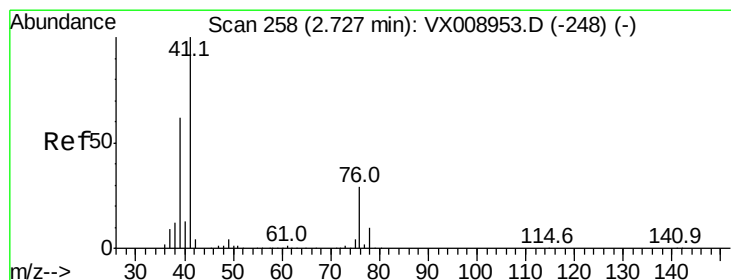
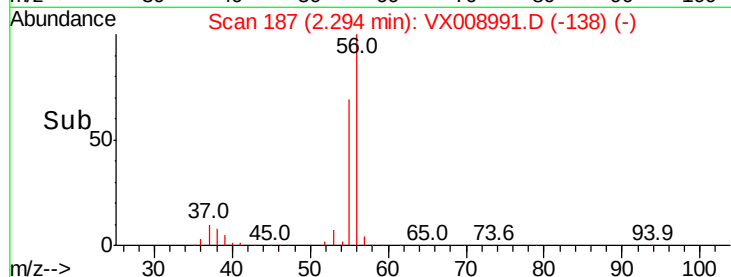
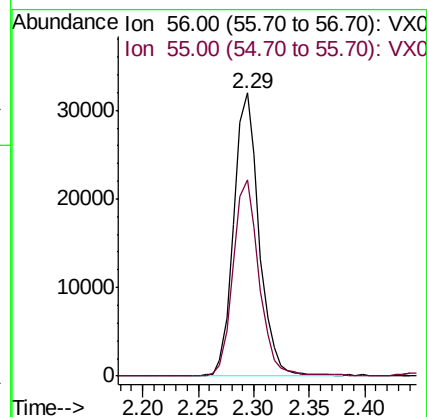
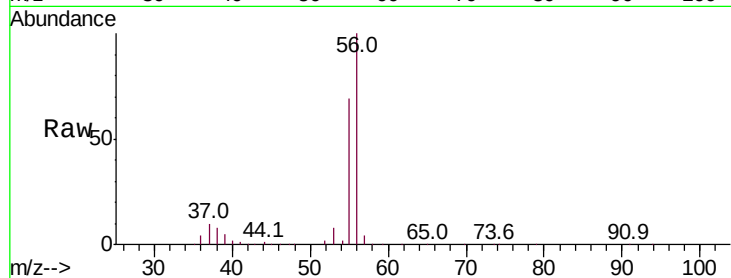
55 70.6 56.6 84.8

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 18.640 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

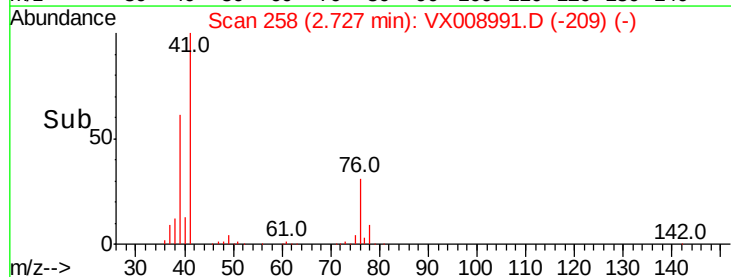
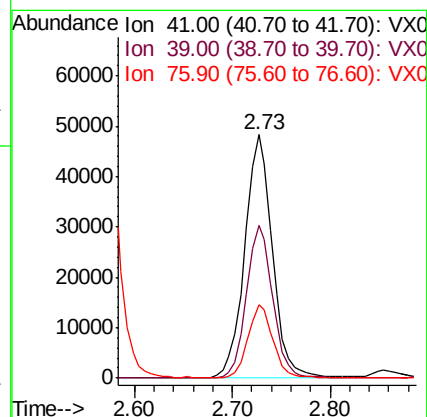
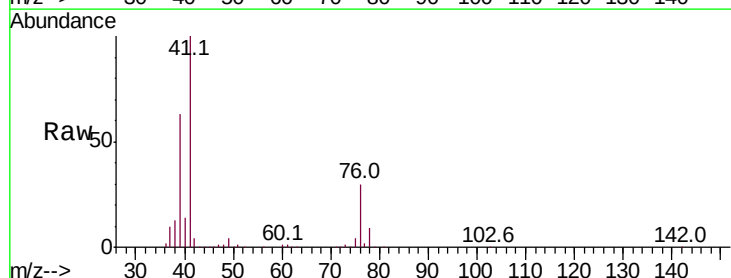
Tgt Ion: 41 Resp: 94472

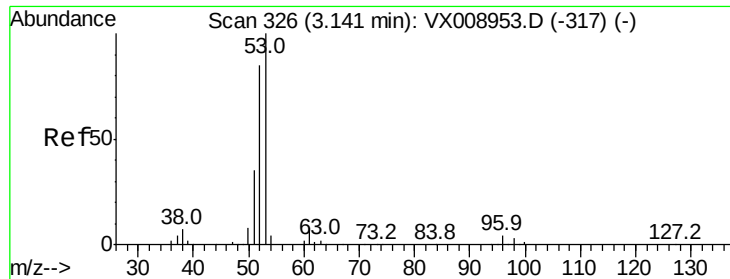
Ion Ratio Lower Upper

41 100

39 59.7 46.7 70.1

76 27.4 22.0 33.0





#15

Acrylonitrile

Concen: 93.526 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

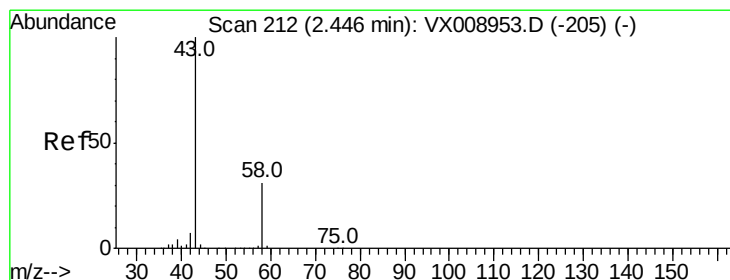
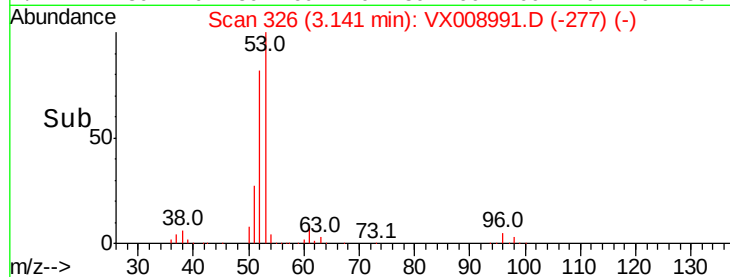
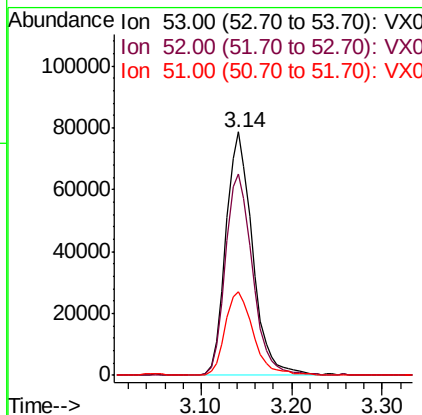
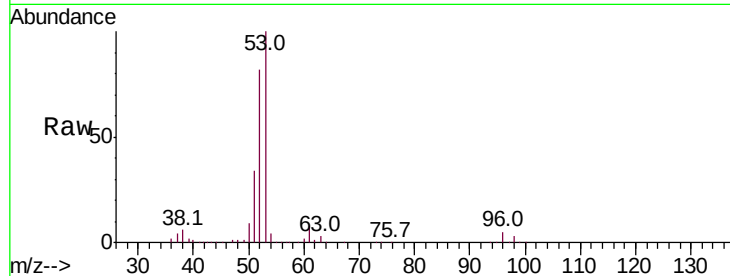
ClientSampleId :

VX0416MBS01

Tot Ion:	53	Resp:	160886
Ion Ratio		Lower	Upper
53	100		
52	84.5	66.6	100.0
51	36.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 90.543 ug/l

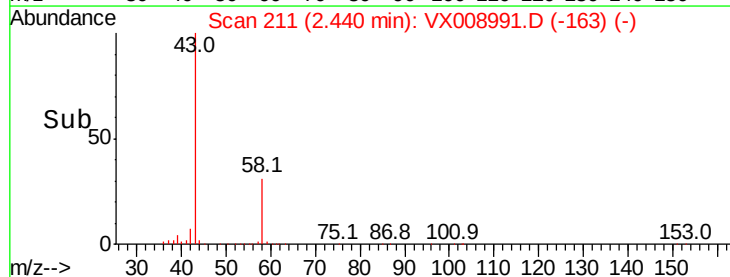
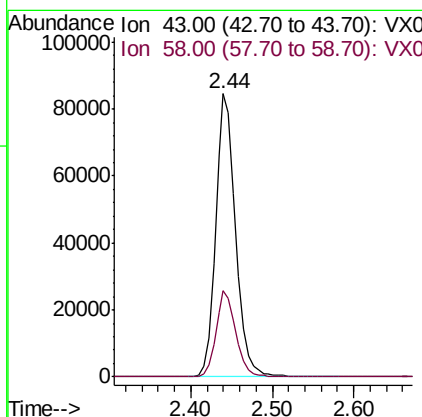
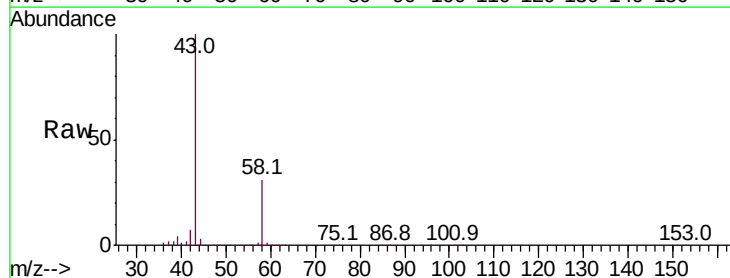
RT: 2.44 min Scan# 211

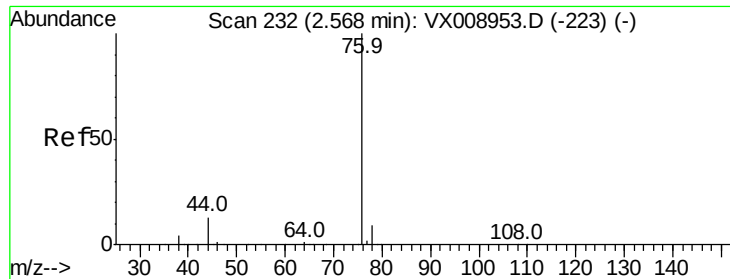
Delta R.T. -0.01 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Tgt Ion:	43	Resp:	143344
Ion Ratio		Lower	Upper
43	100		
58	30.4	24.8	37.2





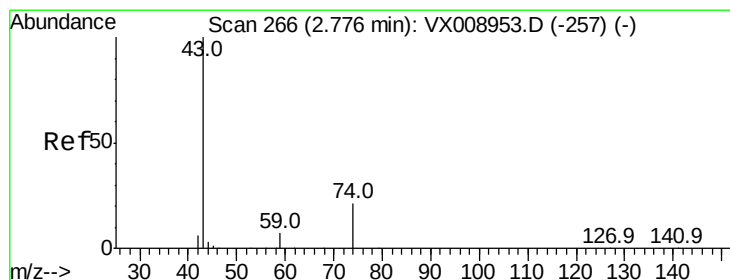
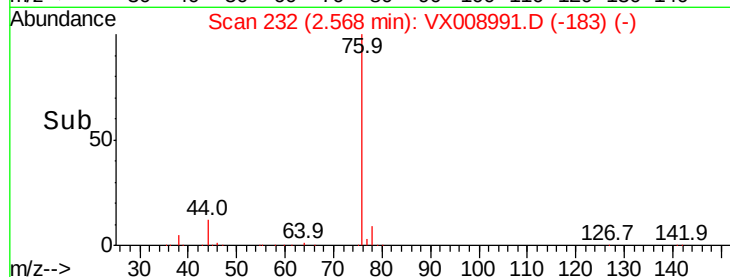
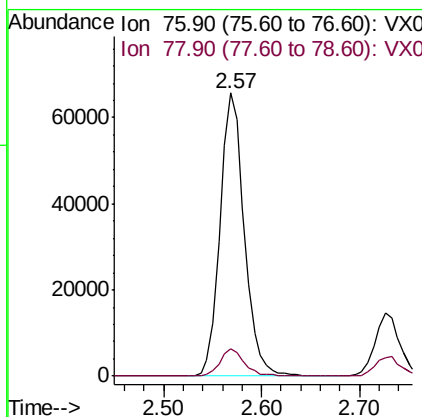
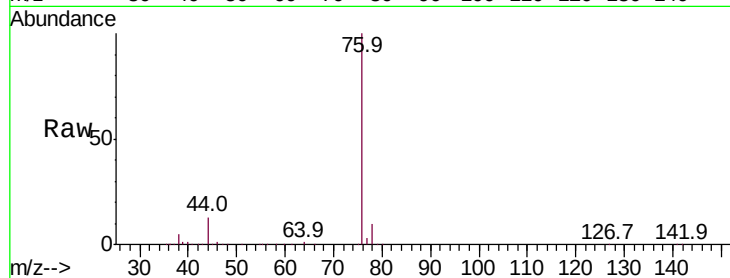
#17
Carbon Disulfide
Concen: 17.378 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

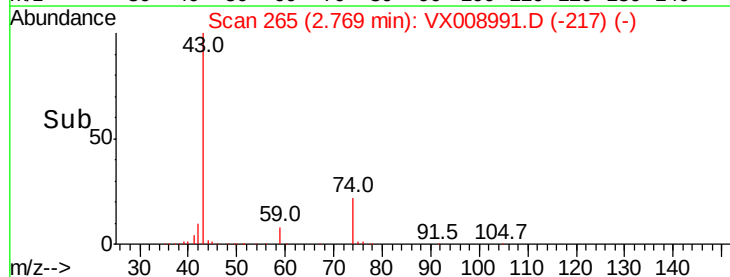
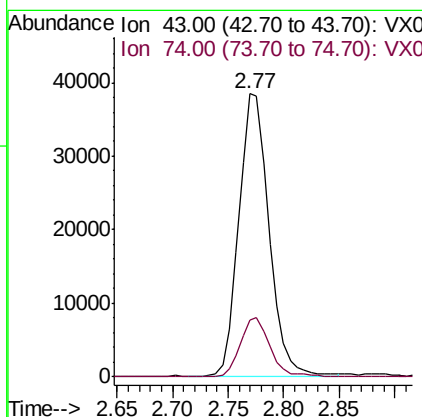
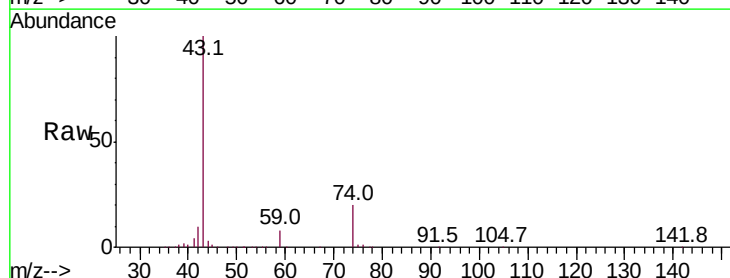
Manual Integrations
APPROVED

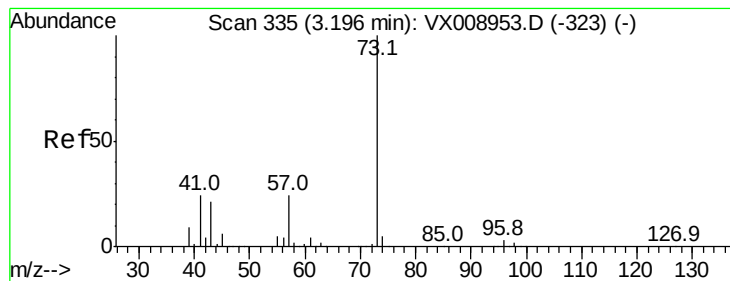
MMDadoda
4/17/2019 9:58:57 AM



#18
Methyl Acetate
Concen: 18.218 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.6	25.0





#19

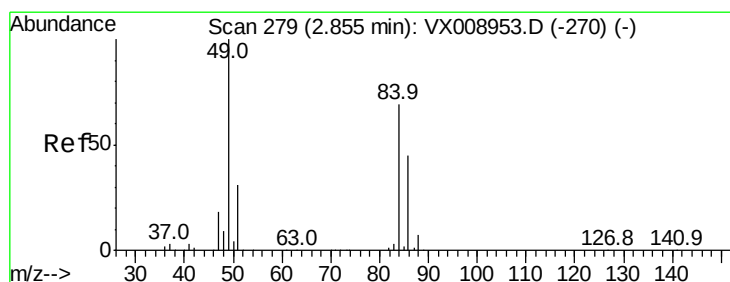
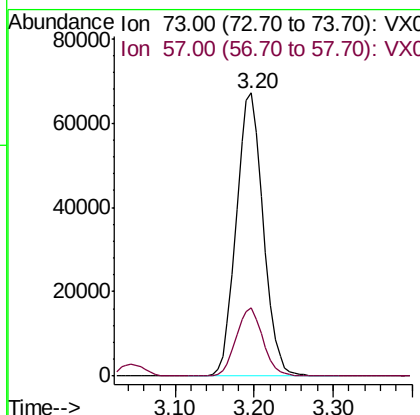
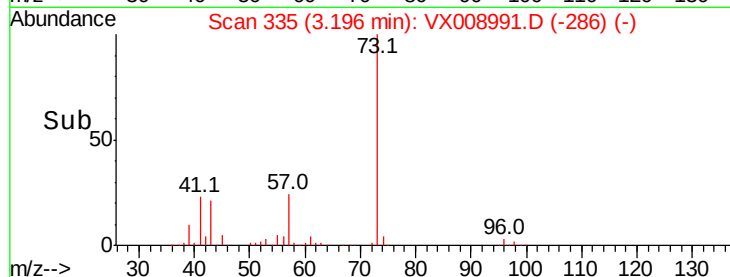
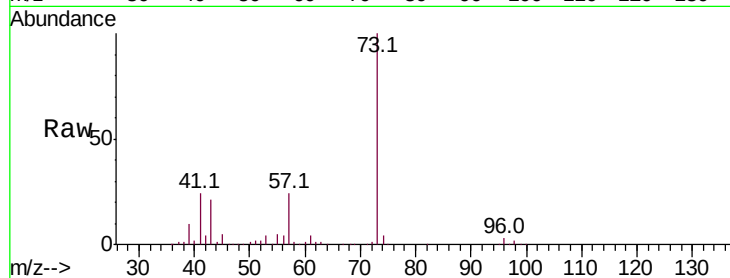
Methyl tert-butyl Ether
 Concen: 19.306 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.2	28.8

Manual Integrations
 APPROVED

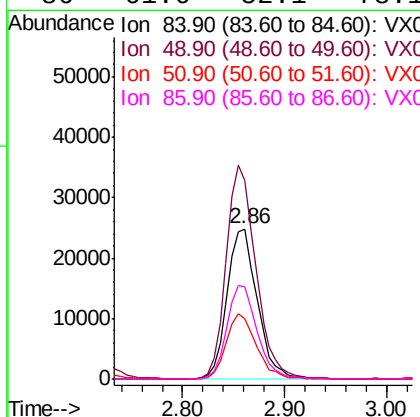
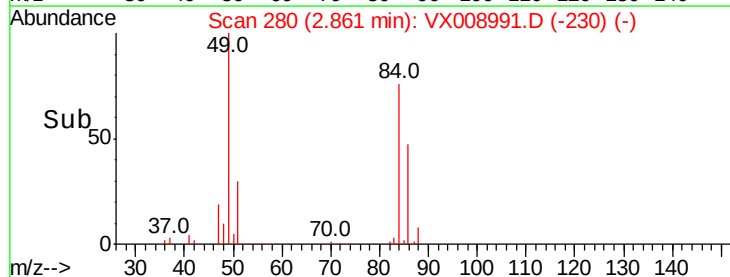
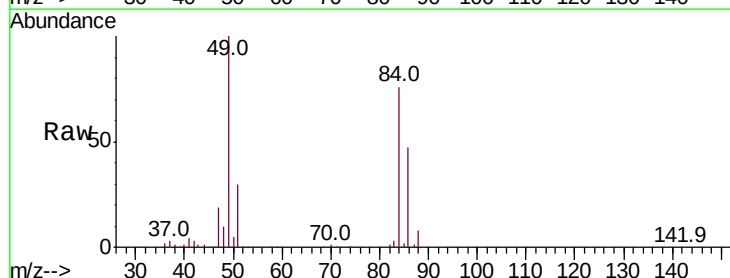
MMDadoda
 4/17/2019 9:58:57 AM

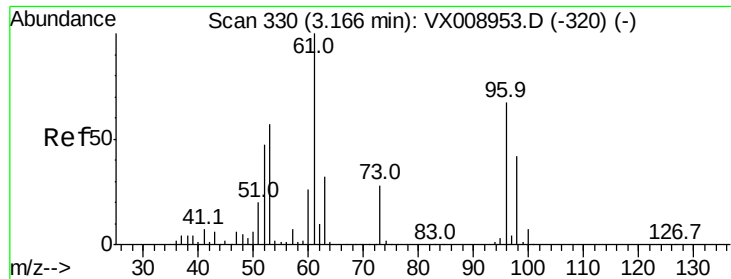


#20

Methylene Chloride
 Concen: 18.769 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.6	115.4	173.0
51	39.7	35.8	53.6
86	61.6	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 17.839 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 96 Resp: 44203

Ion Ratio Lower Upper

96 100

61 161.5 120.3 180.5

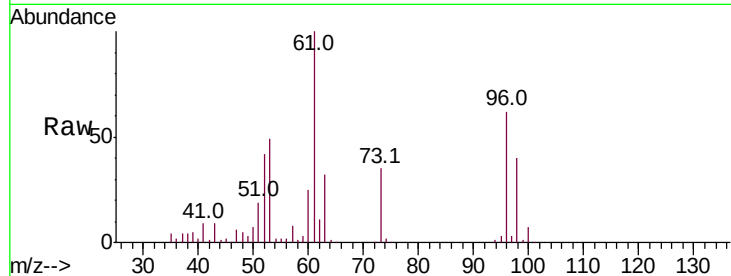
98 63.9 50.2 75.2

Manual Integrations

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MMDadoda

4/17/2019 9:58:57 AM

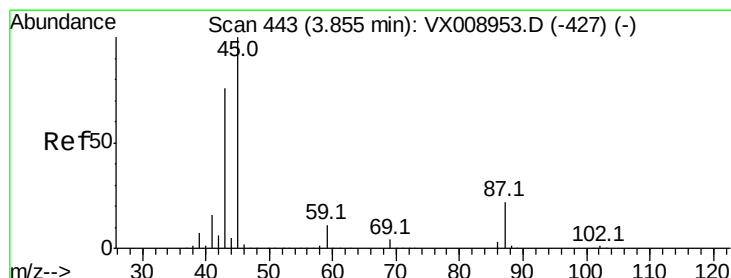
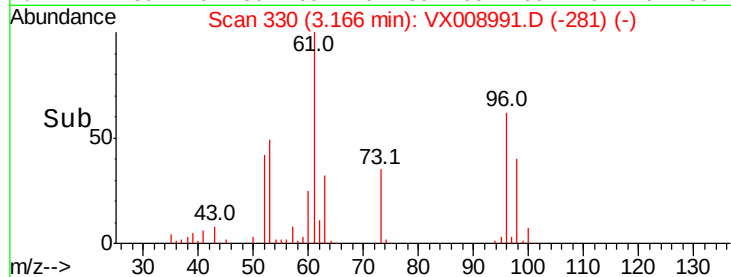
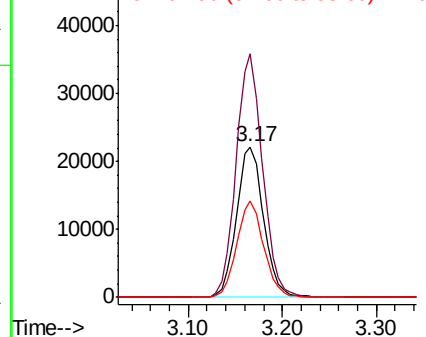


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.488 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Tgt Ion: 45 Resp: 191924

Ion Ratio Lower Upper

45 100

43 74.3 60.6 91.0

87 23.8 17.8 26.8

59 11.4 8.7 13.1

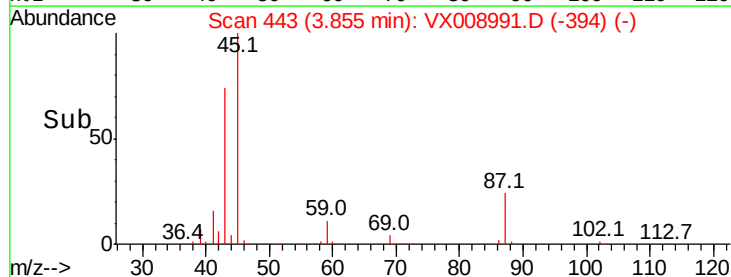
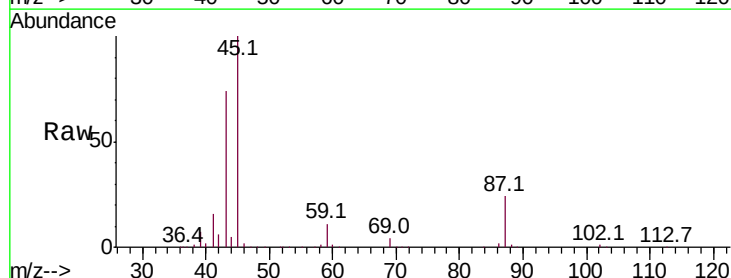
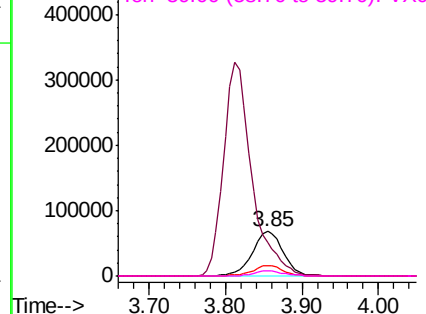
Abundance

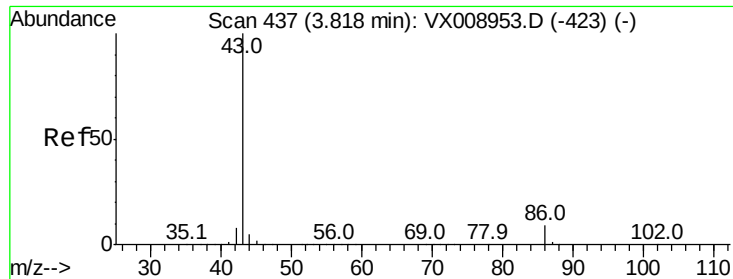
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 97.328 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 43 Resp: 842590

Ion Ratio Lower Upper

43 100

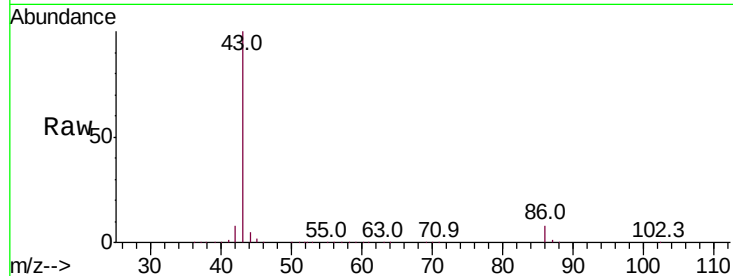
86 8.3 7.1 10.7

Manual Integrations

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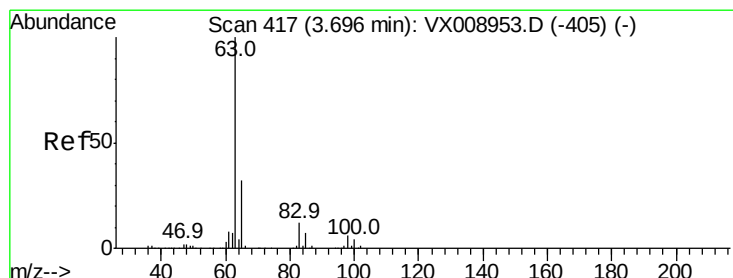
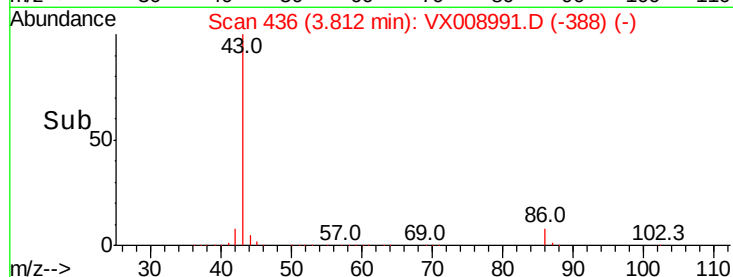
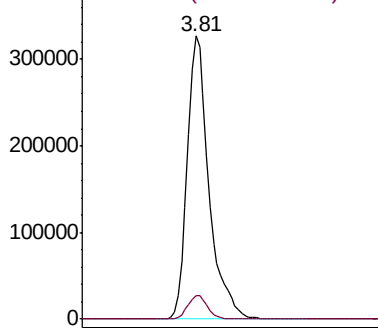
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.844 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

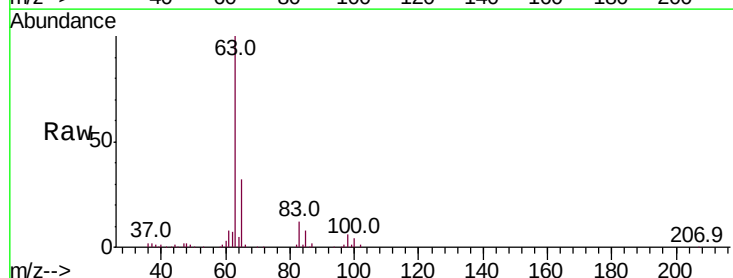
Tgt Ion: 63 Resp: 93162

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

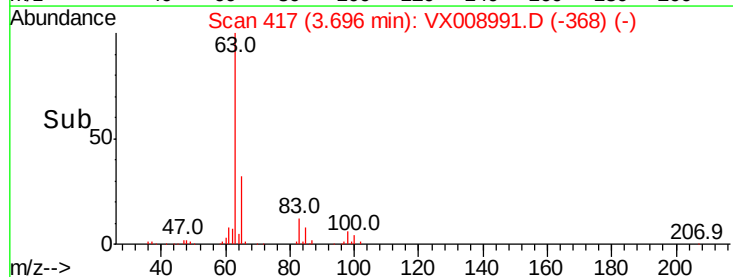
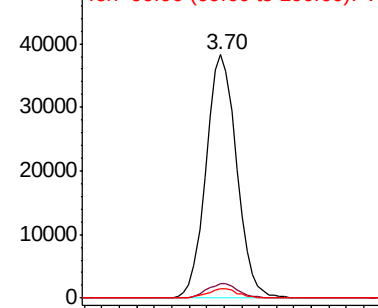
100 3.8 1.9 5.7

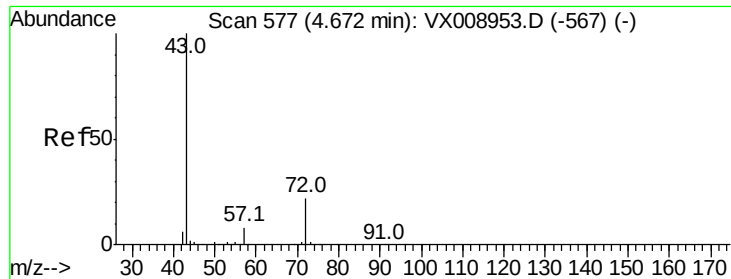


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 97.045 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 43 Resp: 245579

Ion Ratio Lower Upper

43 100

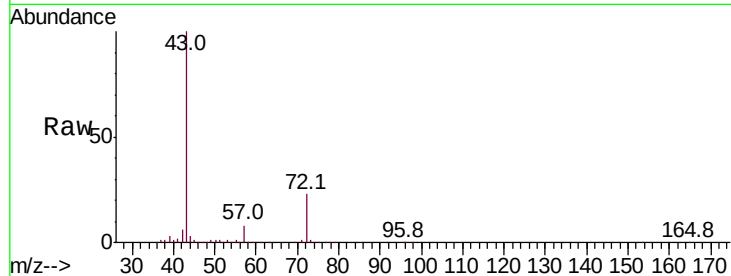
72 22.7 17.5 26.3

Manual Integrations

APPROVED

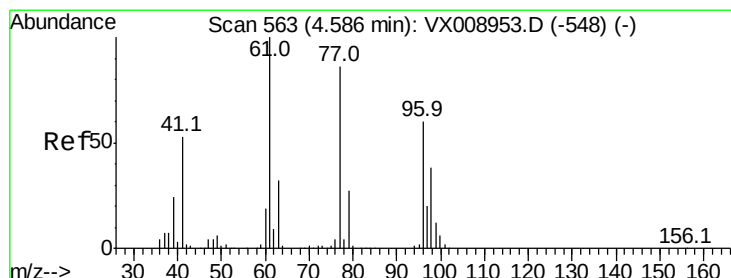
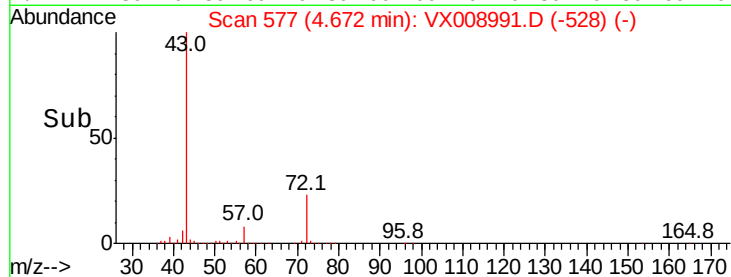
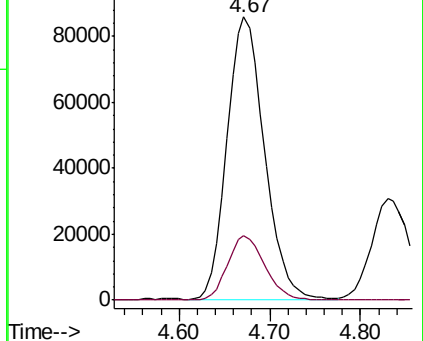
MMDadoda

4/17/2019 9:58:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.661 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008991.D

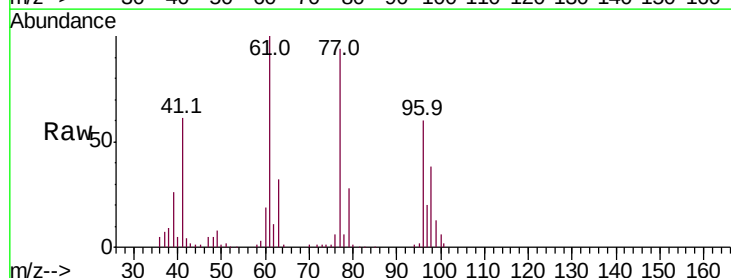
Acq: 16 Apr 2019 16:38

Tgt Ion: 77 Resp: 61741

Ion Ratio Lower Upper

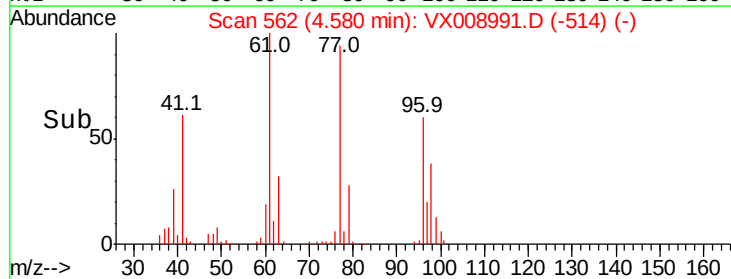
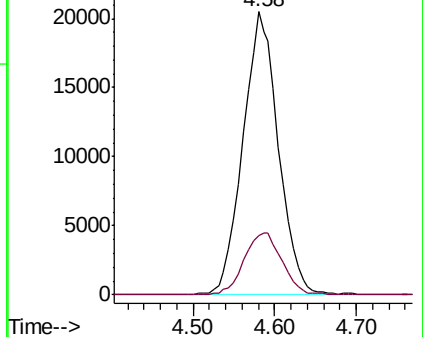
77 100

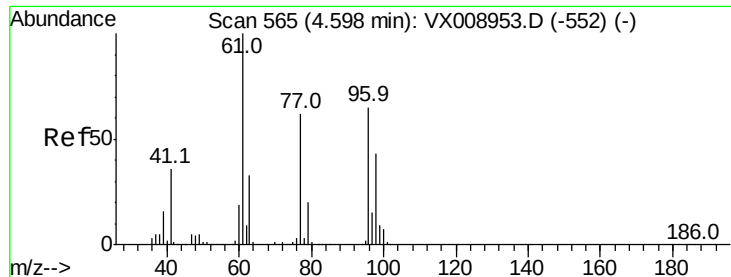
97 23.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

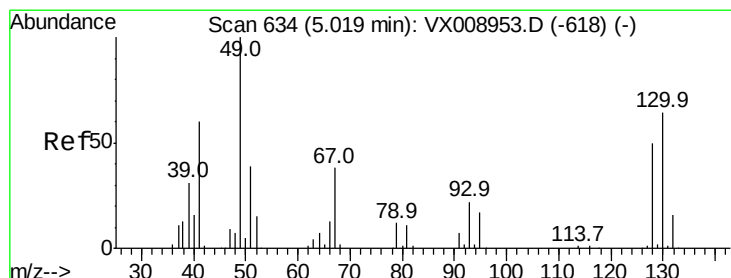
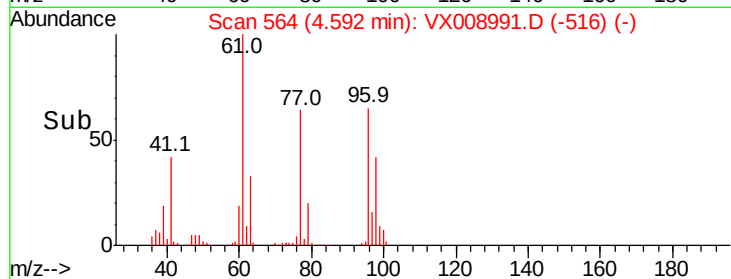
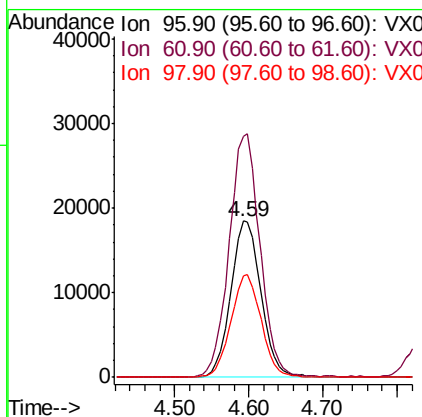
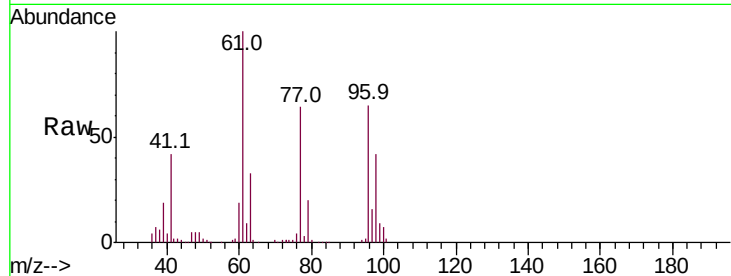
cis-1,2-Dichloroethene
Concen: 18.696 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	52597		
61	159.5	0.0	322.0	
98	65.6	0.0	128.4	

Manual Integrations
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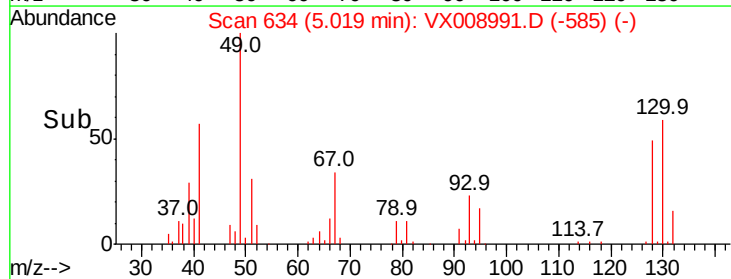
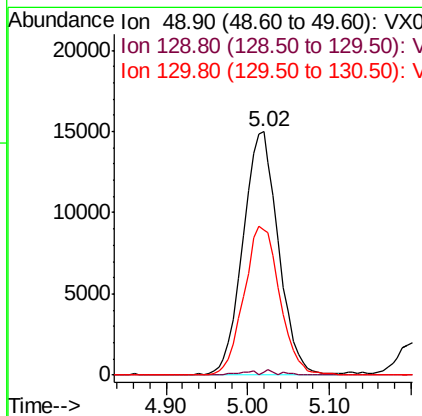
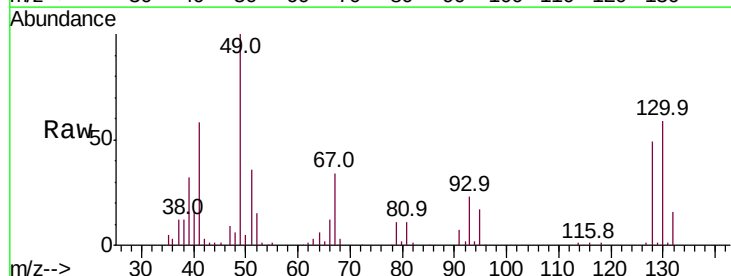
MMDadoda
4/17/2019 9:58:57 AM

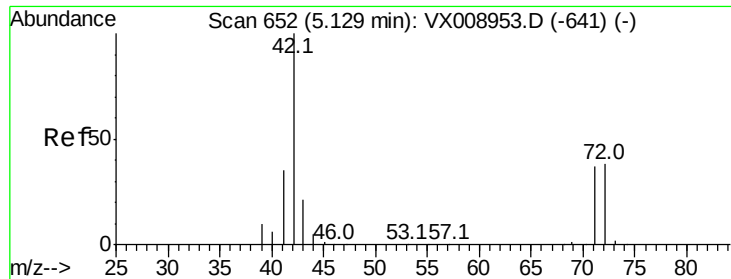


#28

Bromochloromethane
Concen: 20.944 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	45309		
129	0.6	0.0	3.6	
130	61.8	50.4	75.6	





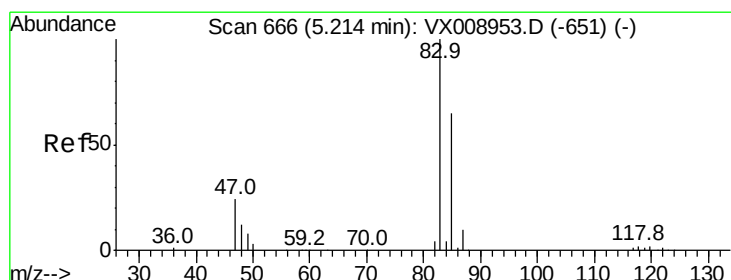
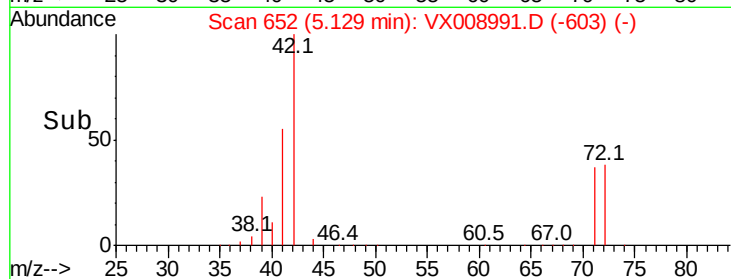
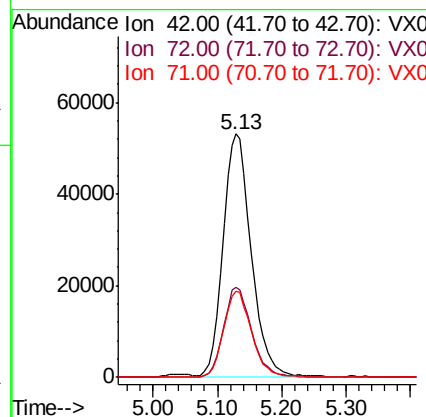
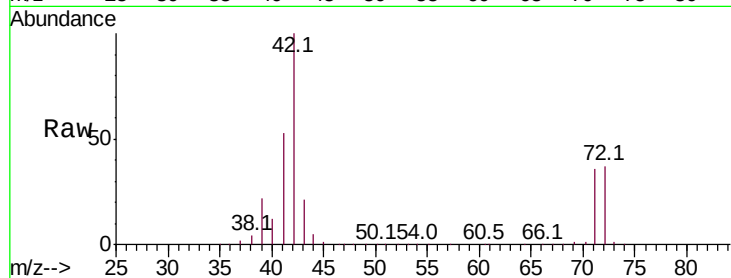
#29
Tetrahydrofuran
Concen: 95.780 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.6	45.8
71	35.5	28.8	43.2

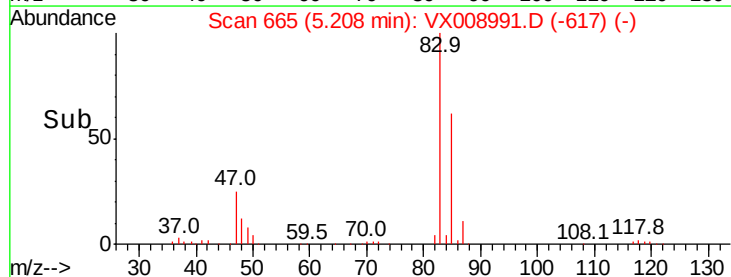
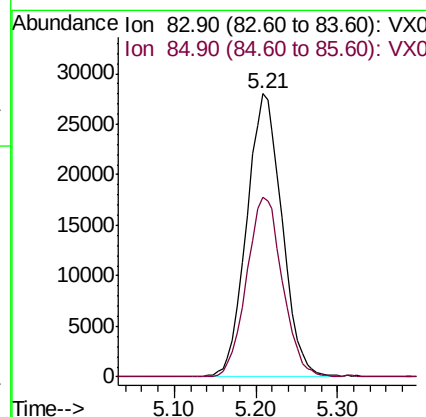
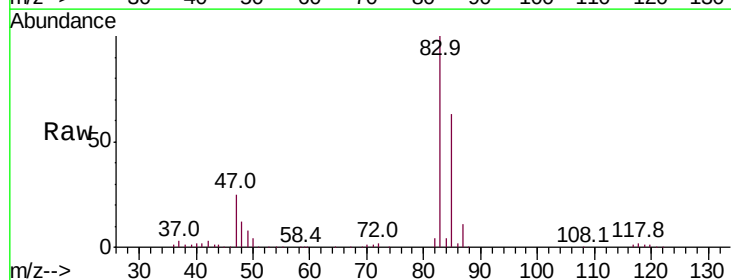
Manual Integrations
APPROVED

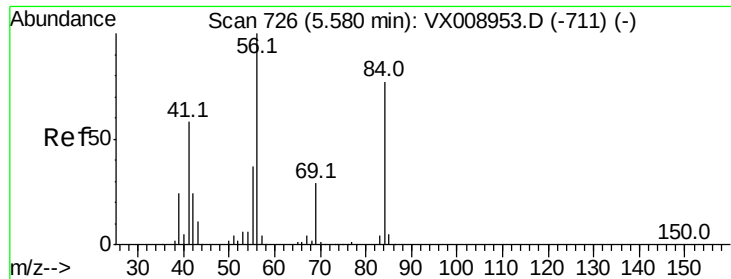
MMDadoda
4/17/2019 9:58:57 AM



#30
Chloroform
Concen: 19.040 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.9	77.9





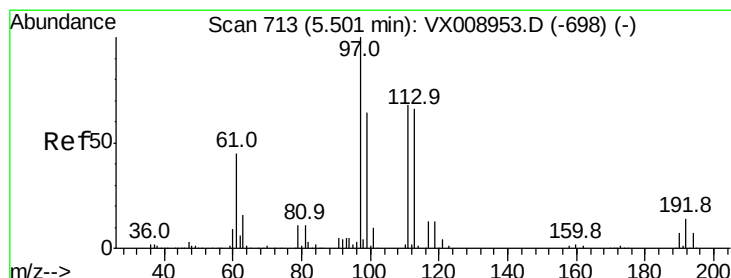
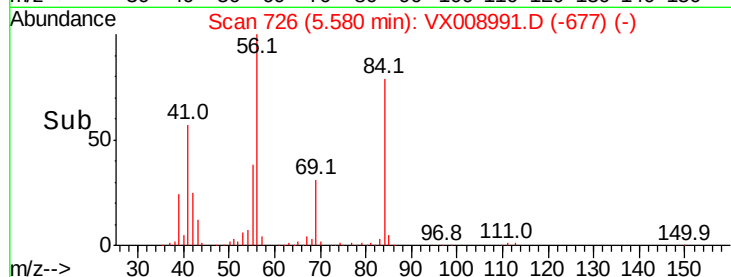
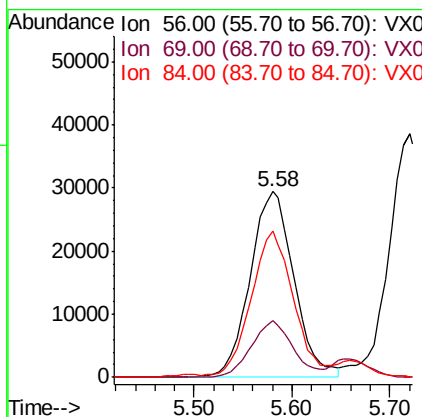
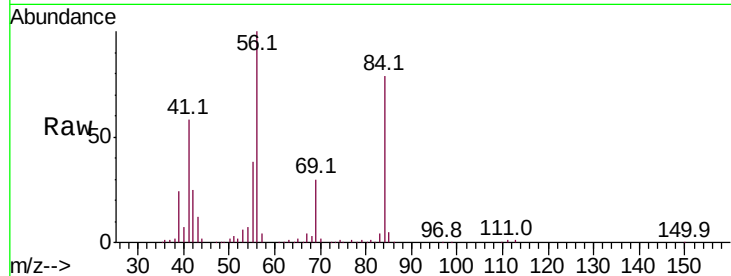
#31
Cyclohexane
Concen: 18.918 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.3	34.9
84	77.4	61.7	92.5

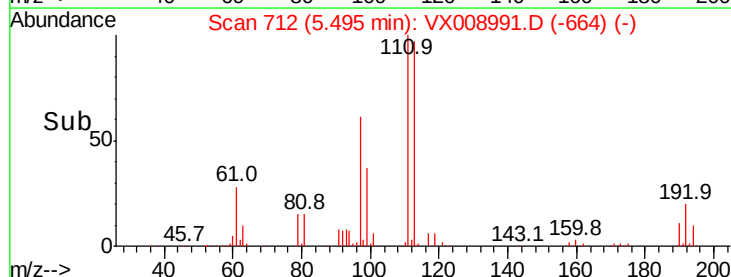
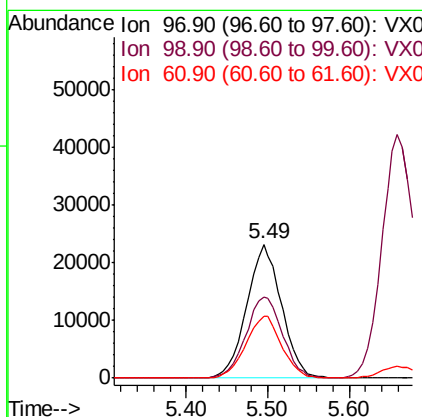
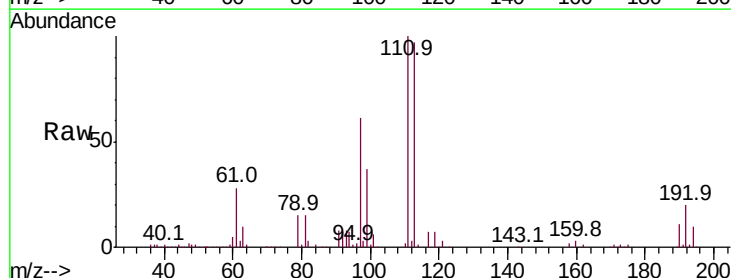
Manual Integrations
APPROVED

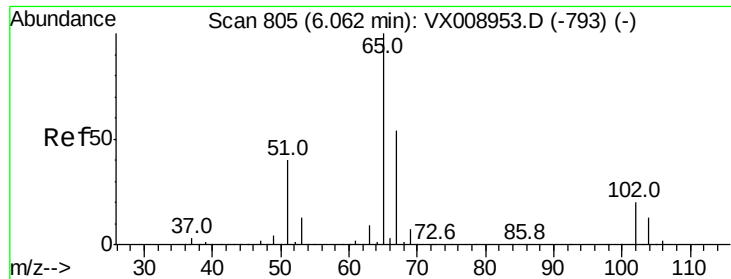
MMDadoda
4/17/2019 9:58:57 AM



#32
1,1,1-Trichloroethane
Concen: 18.748 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	47.8	37.9	56.9





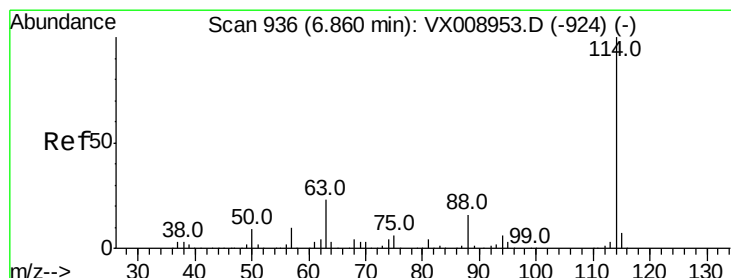
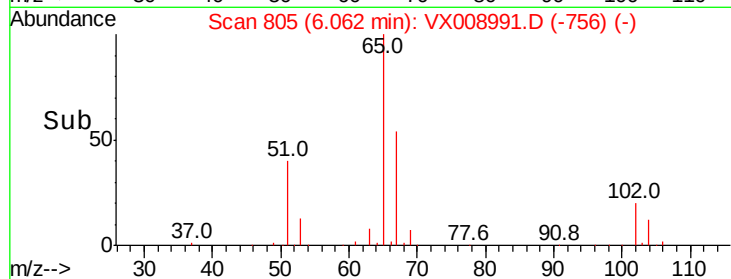
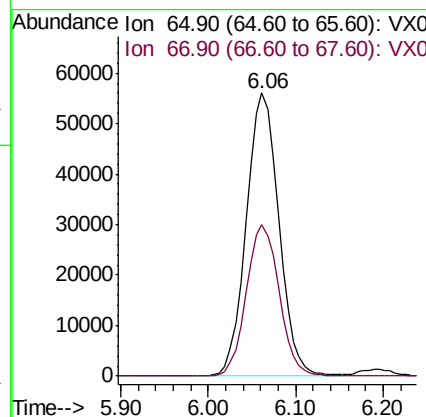
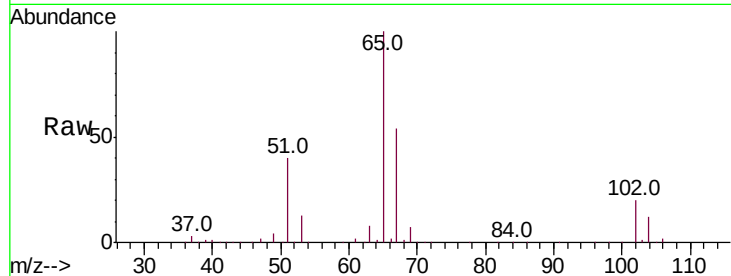
#33
 1,2-Dichloroethane-d4
 Concen: 47.610 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	108.6

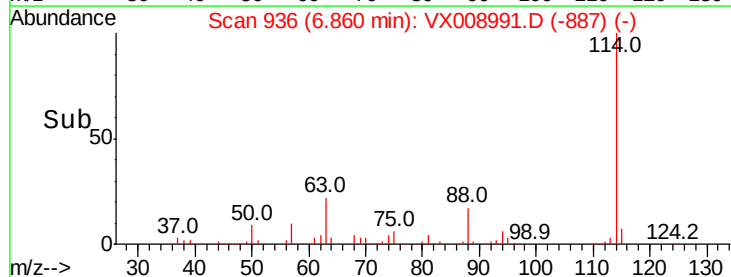
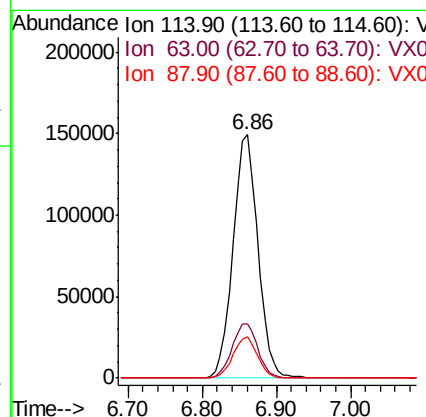
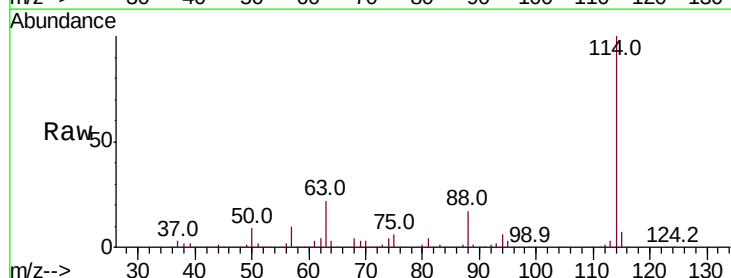
Manual Integrations
 APPROVED

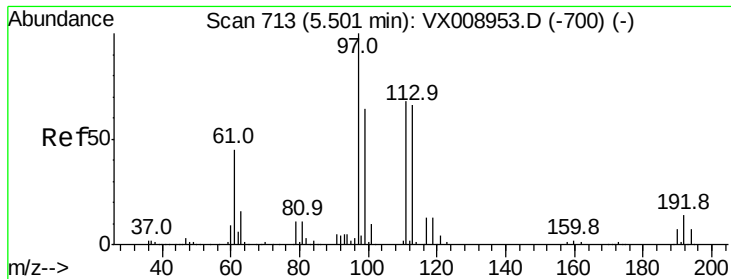
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	46.0
88	17.0	0.0	32.6





#35

Dibromofluoromethane

Concen: 46.993 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

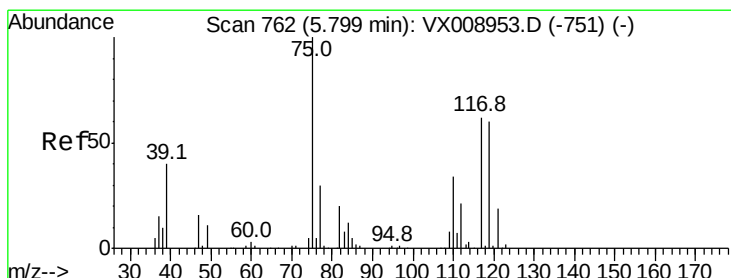
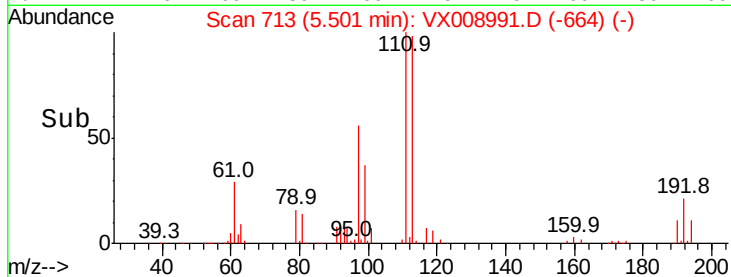
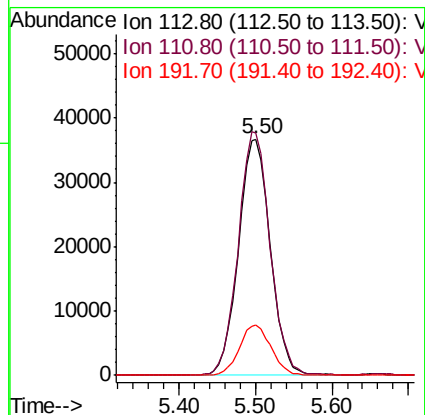
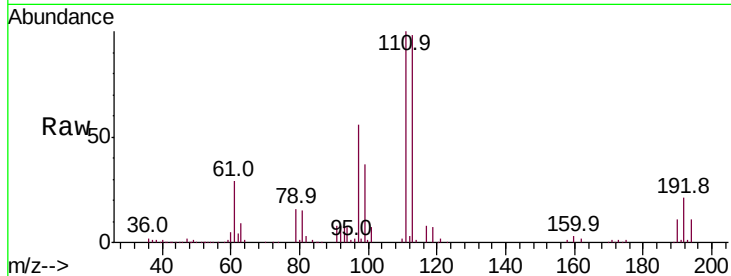
ClientSampleId :

VX0416MBS01

Tot Ion:	113	Resp:	105783
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.9	124.3
192	21.2	17.4	26.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.125 ug/l

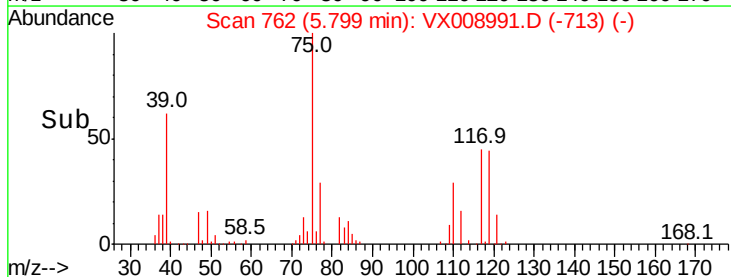
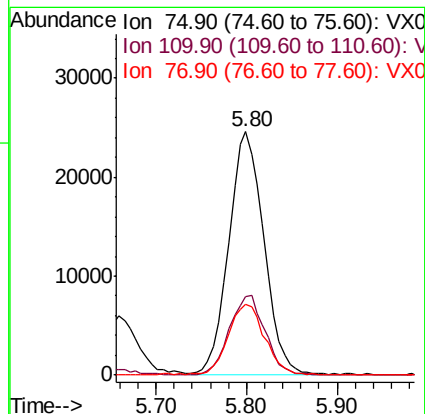
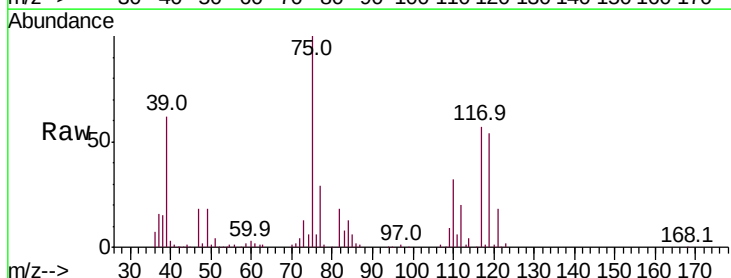
RT: 5.80 min Scan# 762

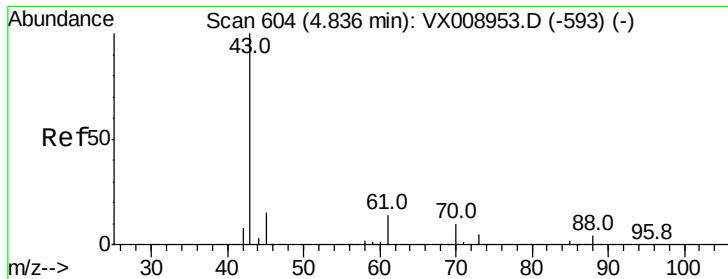
Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Tgt Ion:	75	Resp:	65749
Ion Ratio	Lower	Upper	
75	100		
110	33.5	16.9	50.7
77	30.7	25.0	37.4





#37

Ethyl Acetate

Concen: 19.627 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

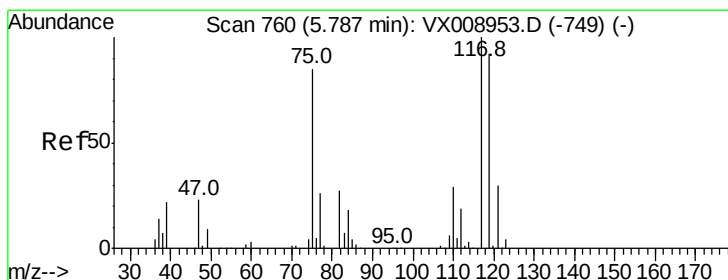
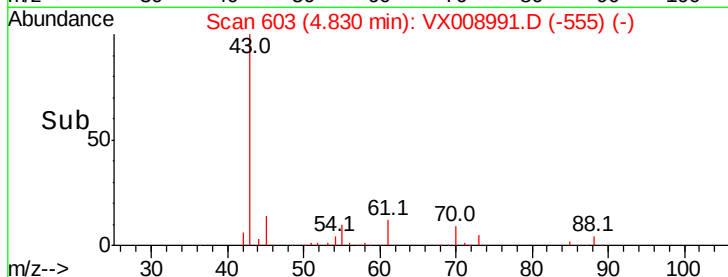
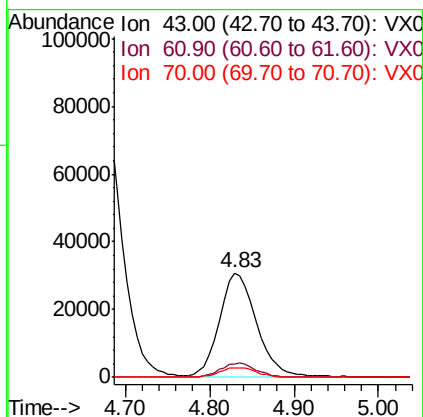
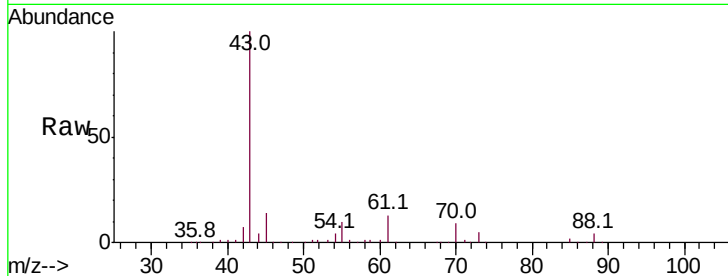
ClientSampleId :

VX0416MBS01

Tot Ion:	43	Resp:	91613
Ion Ratio	Lower	Upper	
43	100		
61	13.0	10.6	15.8
70	9.6	7.7	11.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 17.949 ug/l

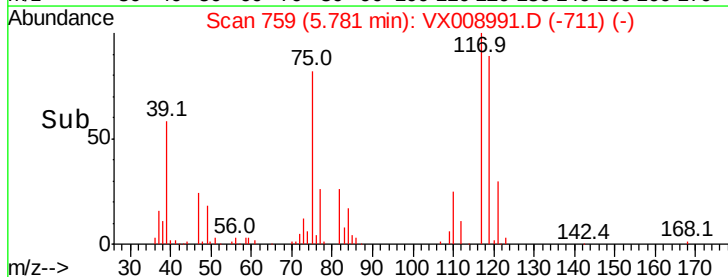
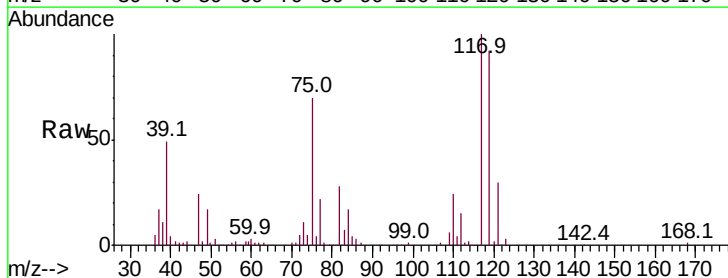
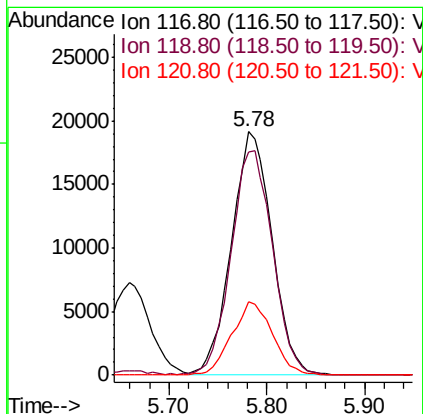
RT: 5.78 min Scan# 759

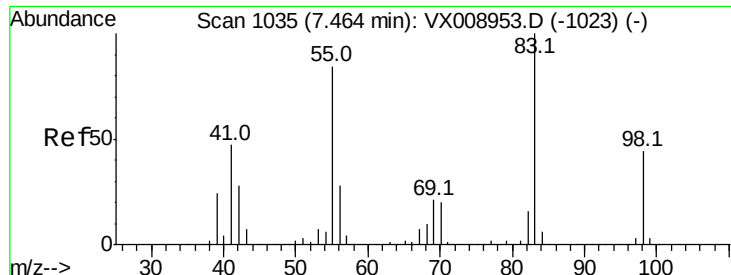
Delta R.T. -0.01 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Tgt Ion:	117	Resp:	55198
Ion Ratio	Lower	Upper	
117	100		
119	91.5	73.8	110.8
121	29.9	23.6	35.4





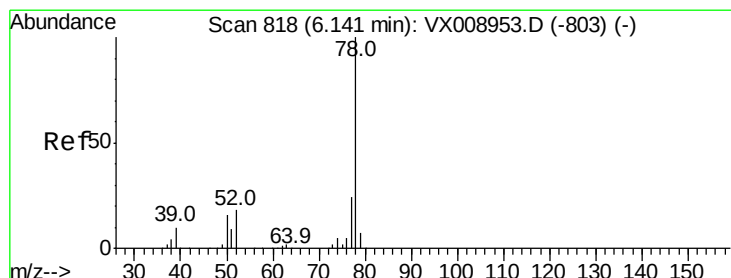
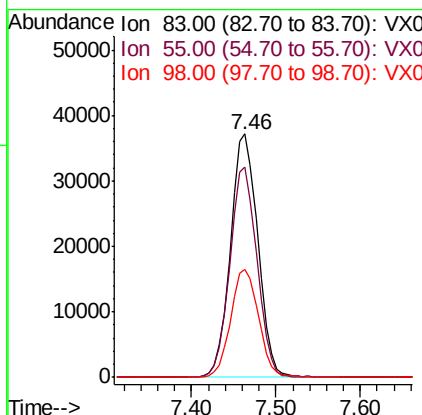
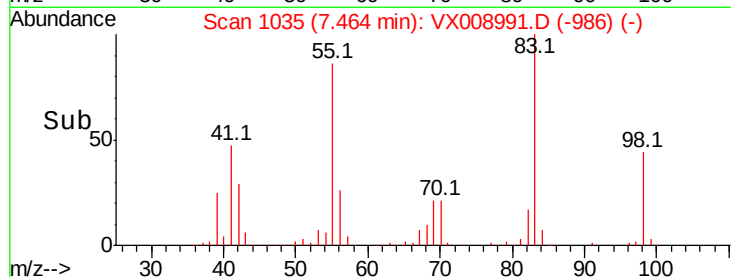
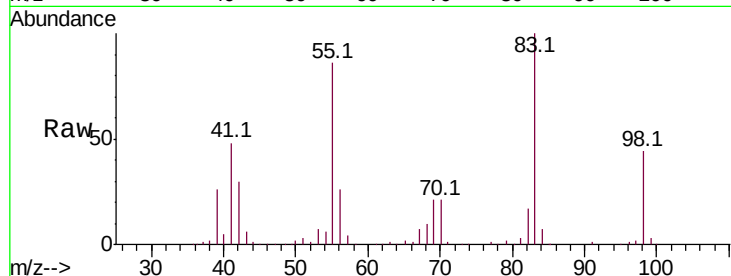
#39
Methylvlcyclohexane
Concen: 18.469 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	83	Resp	81570
Ion Ratio	100	Lower	Upper
83	100		
55	86.4	67.1	100.7
98	44.1	35.1	52.7

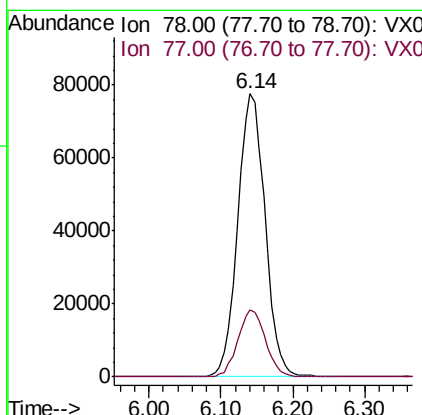
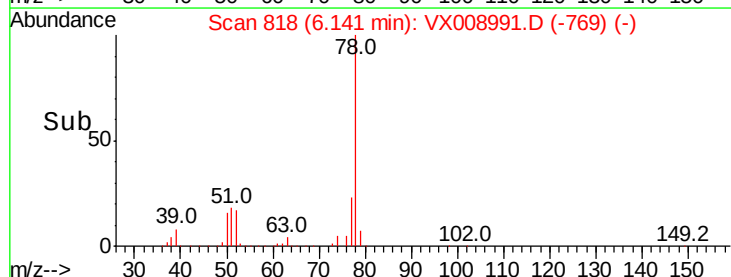
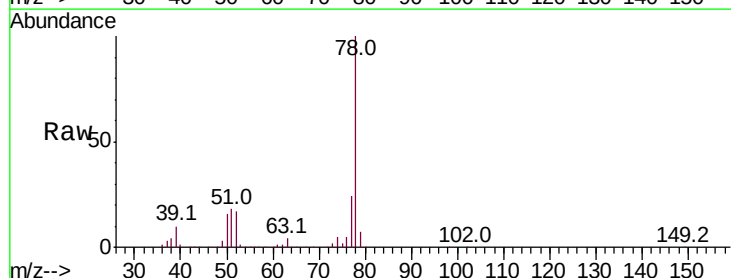
Manual Integrations
APPROVED

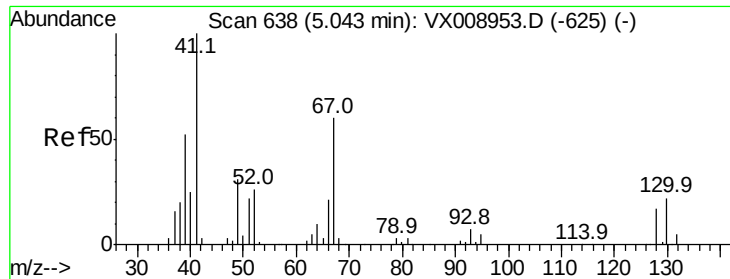
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4/17/2019 9:58:57 AM



#40
Benzene
Concen: 19.130 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion	78	Resp	204714
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	19.0	28.6





#41

Methacrylonitrile

Concen: 19.306 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 41 Resp: 51720

Ion Ratio Lower Upper

41 100

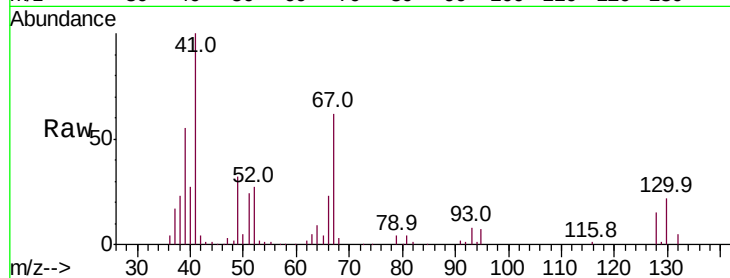
39 52.3 41.8 62.6

67 63.3 50.2 75.4

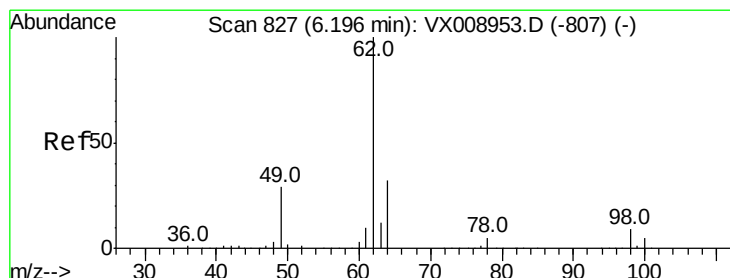
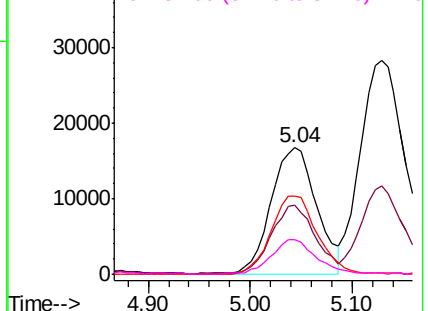
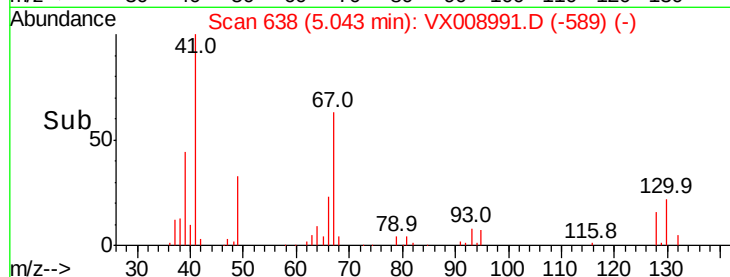
52 27.5 21.1 31.7

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.001 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX008991.D

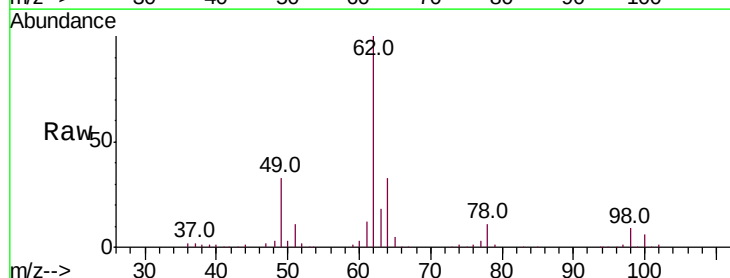
Acq: 16 Apr 2019 16:38

Tgt Ion: 62 Resp: 72031

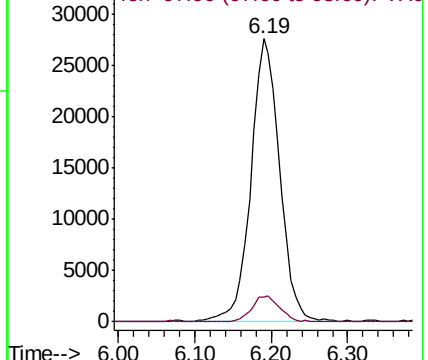
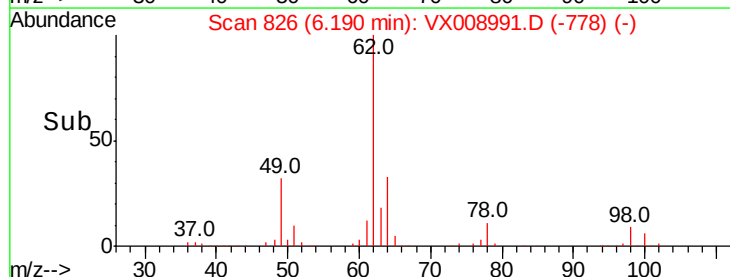
Ion Ratio Lower Upper

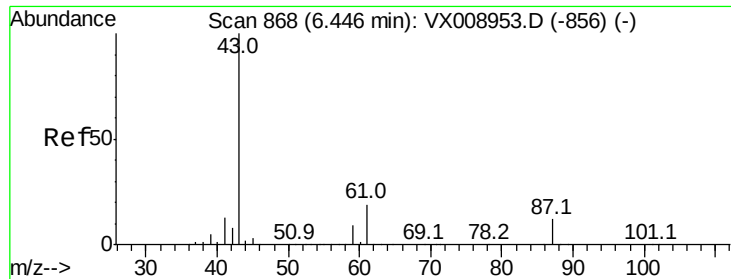
62 100

98 9.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

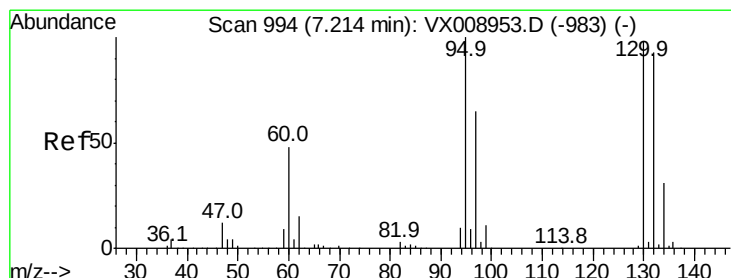
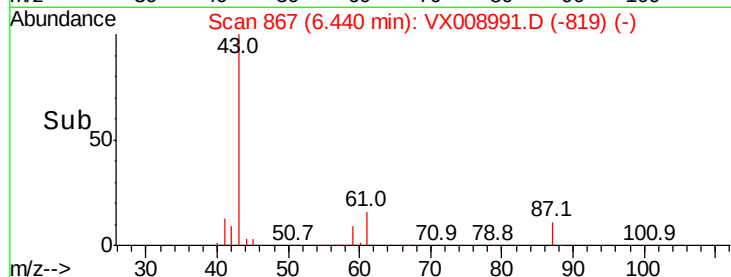
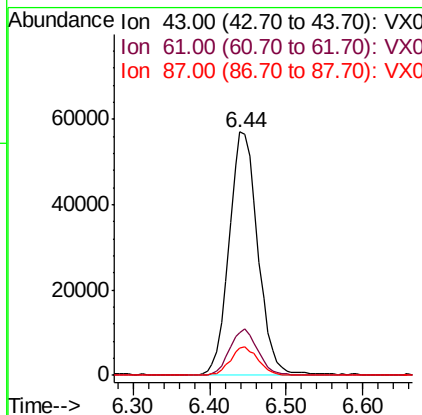
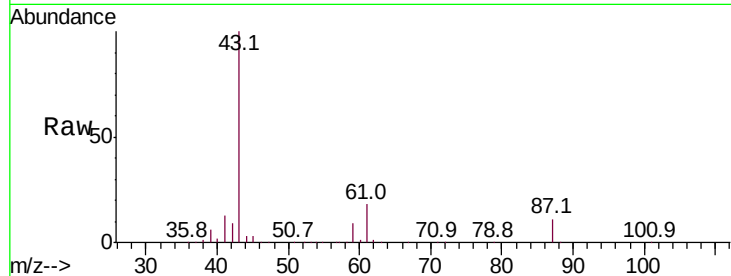
Isopropyl Acetate
 Concen: 19.551 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	11.5	9.0	13.4

Manual Integrations
 APPROVED

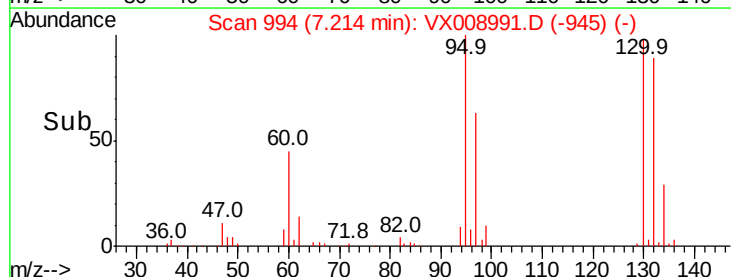
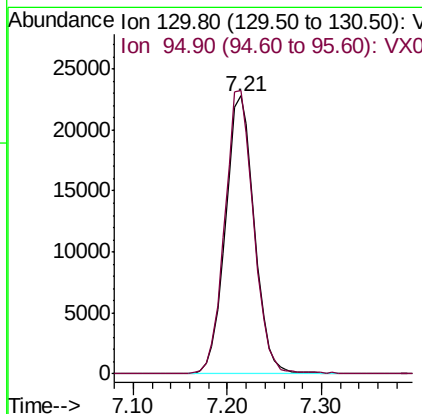
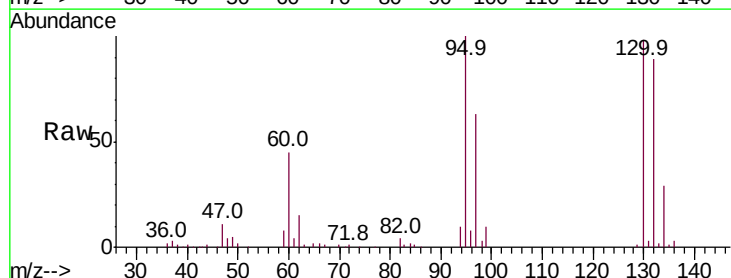
MMDadoda
 4/17/2019 9:58:57 AM

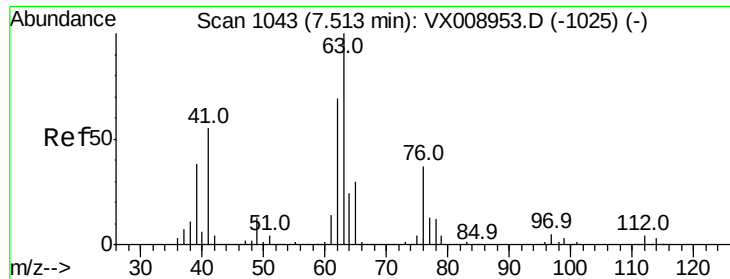


#44

Trichloroethene
 Concen: 18.472 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.2





#45

1,2-Dichloropropane

Concen: 19.405 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 63 Resp: 57612

Ion Ratio Lower Upper

63 100

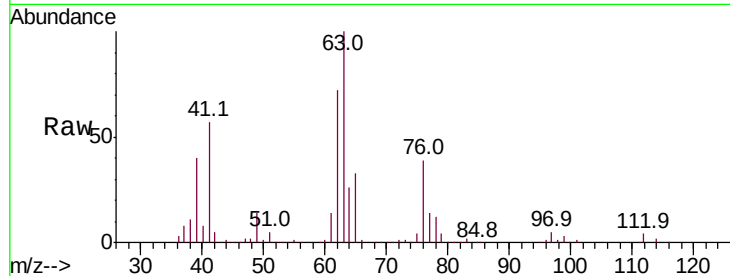
65 32.6 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

4/17/2019 9:58:57 AM

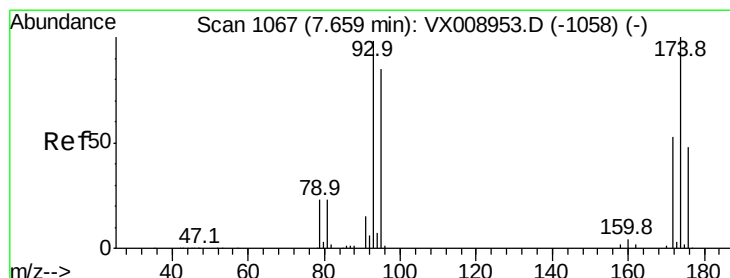
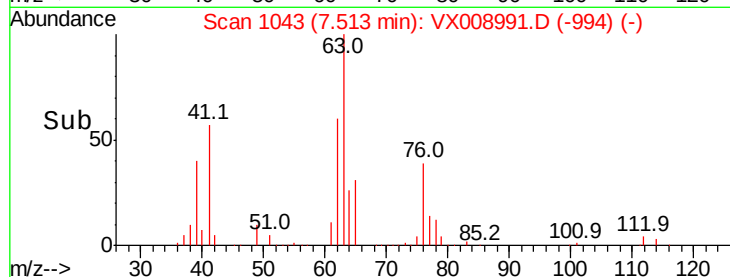


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

Time-->



#46

Dibromomethane

Concen: 18.594 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

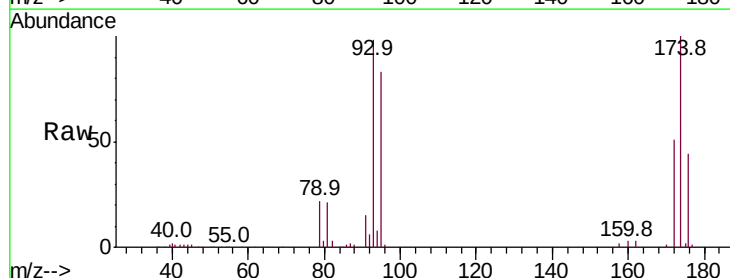
Tgt Ion: 93 Resp: 32127

Ion Ratio Lower Upper

93 100

95 84.7 67.0 100.4

174 102.9 81.6 122.4



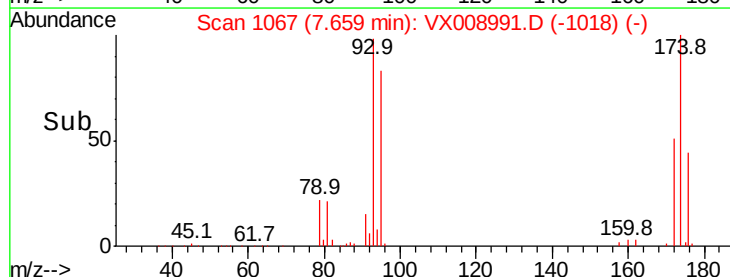
Abundance Ion 92.80 (92.50 to 93.50): VX0

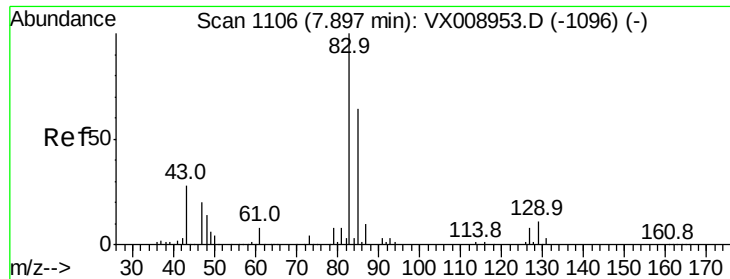
Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.66

Time-->





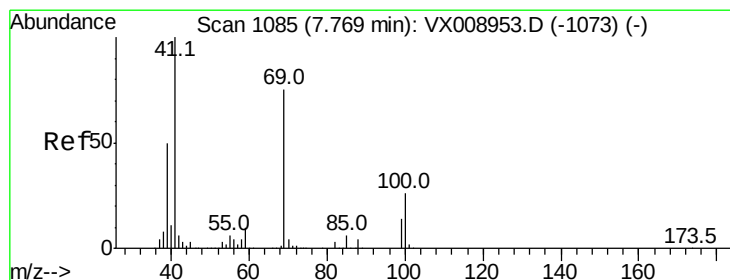
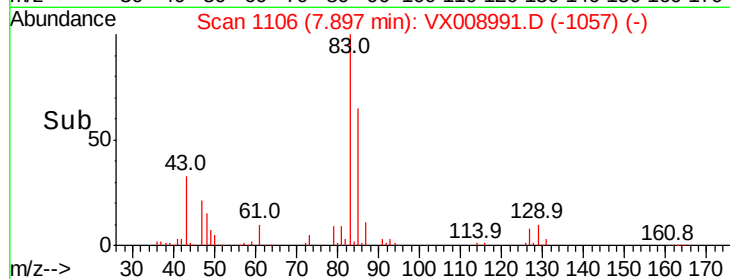
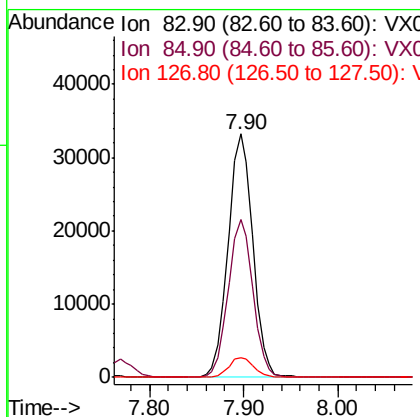
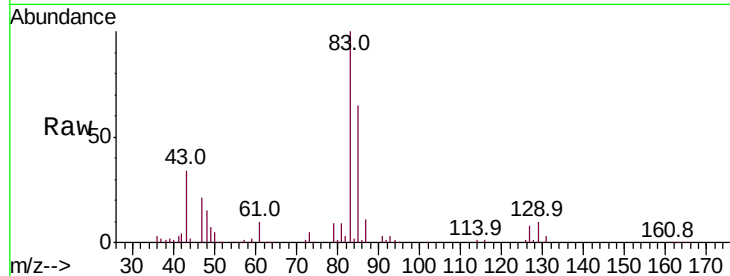
#47
 Bromodichloromethane
 Concen: 17.892 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	83	Resp	60632
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.8	76.2
127	8.1	6.4	9.6

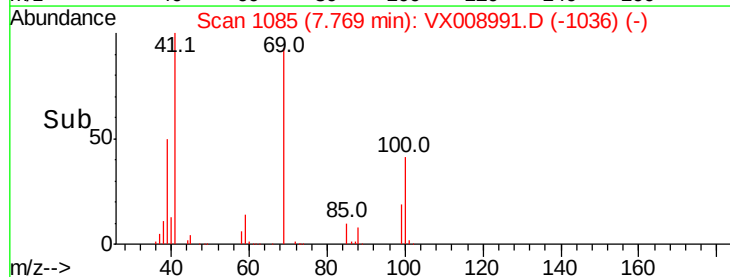
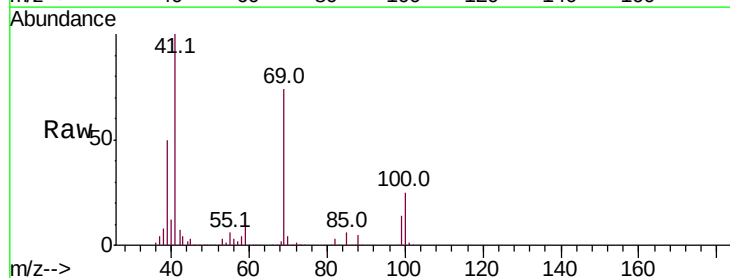
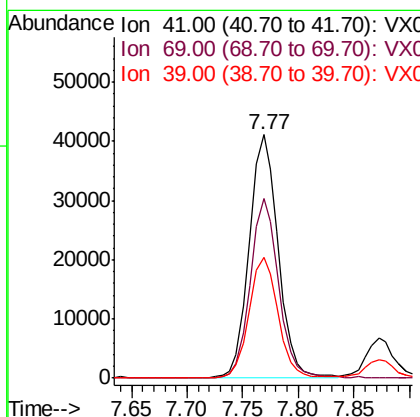
Manual Integrations
 APPROVED

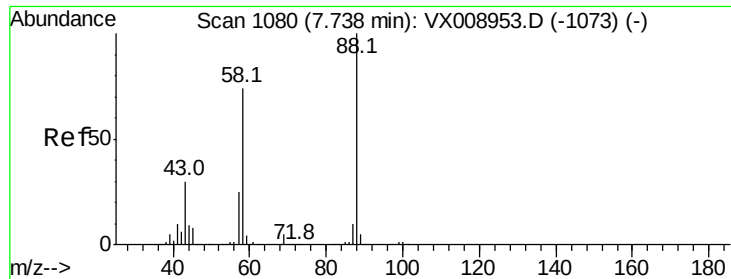
MMDadoda
 4/17/2019 9:58:57 AM



#48
 Methyl methacrylate
 Concen: 19.842 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Tgt Ion	41	Resp	73747
Ion	Ratio	Lower	Upper
41	100		
69	73.4	59.4	89.2
39	50.0	39.8	59.6





#49

1,4-Dioxane

Concen: 400.392 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

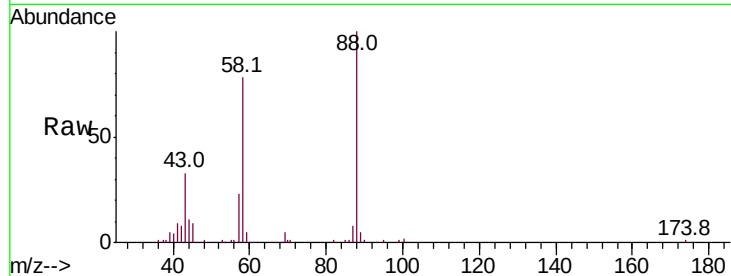
ClientSampleId :

VX0416MBS01

Tot Ion:	88	Resp:	27854
Ion	Ratio	Lower	Upper
88	100		
43	36.5	29.3	43.9
58	78.1	62.6	93.8

Manual Integrations
APPROVED

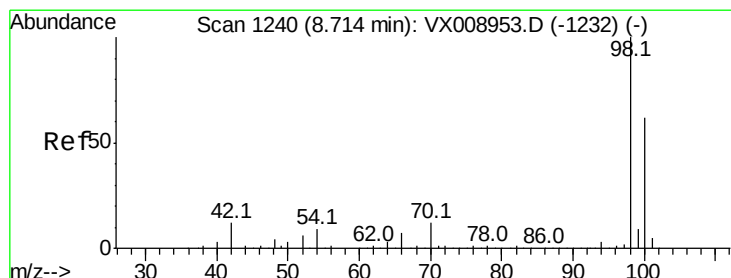
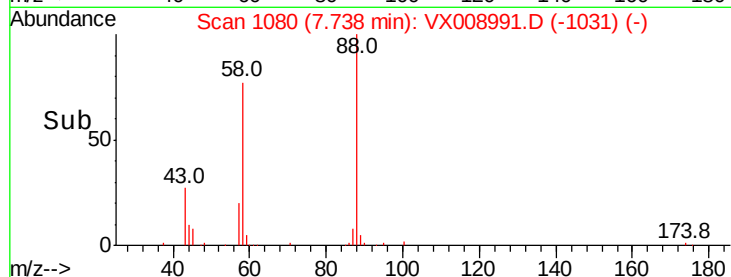
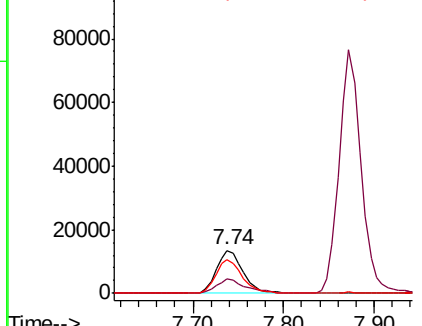
MMDadoda
4/17/2019 9:58:57 AM



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.553 ug/l

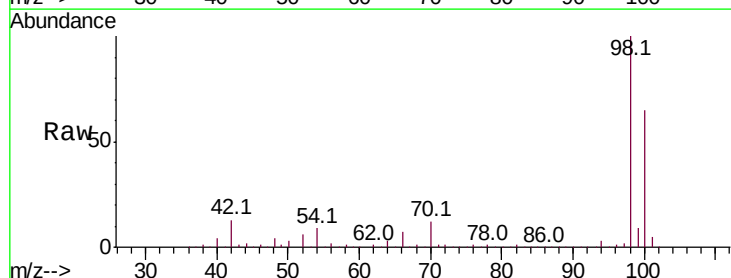
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008991.D

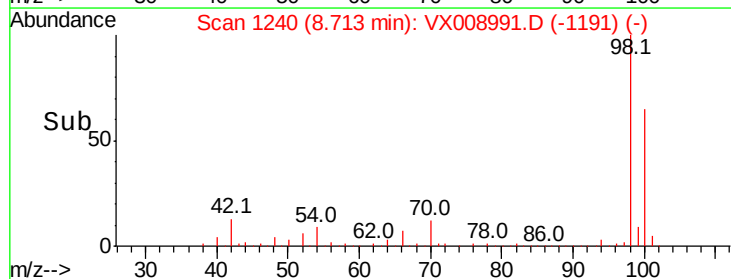
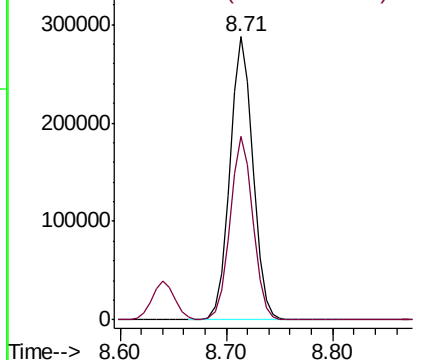
Acq: 16 Apr 2019 16:38

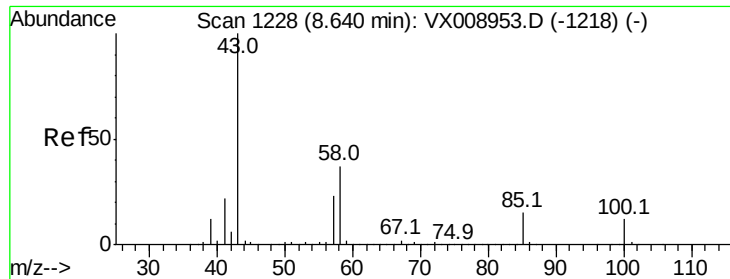
Tgt Ion:	98	Resp:	435873
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 101.702 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 43 Resp: 487375

Ion Ratio Lower Upper

43 100

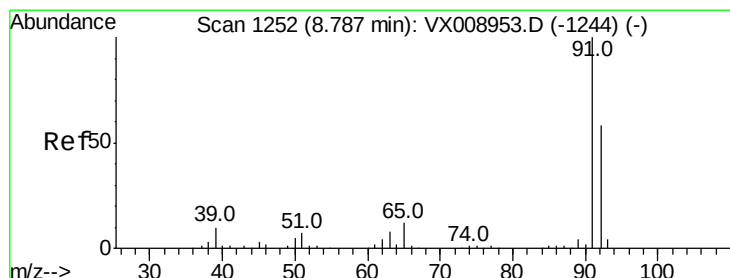
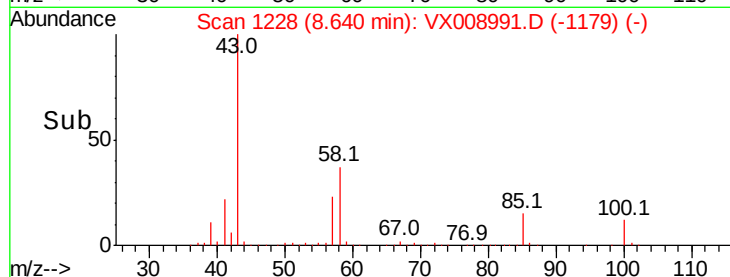
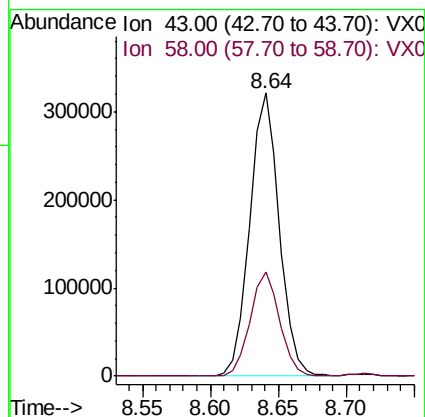
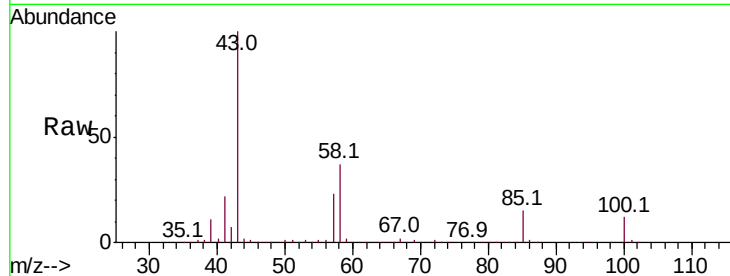
58 36.8 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 19.380 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008991.D

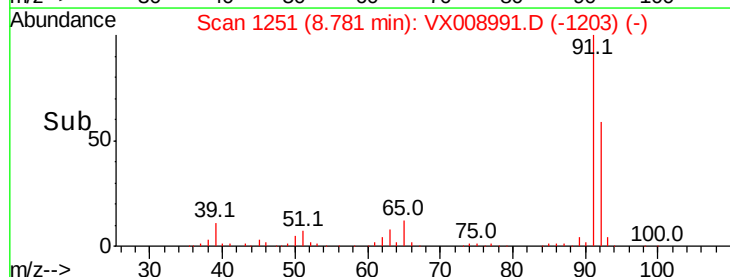
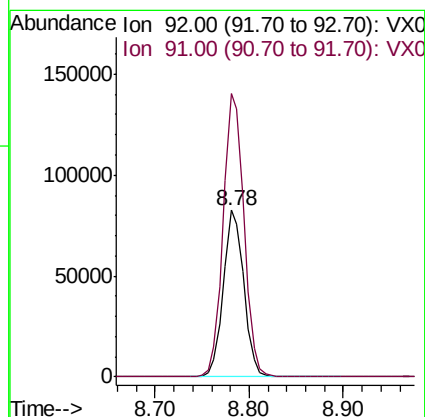
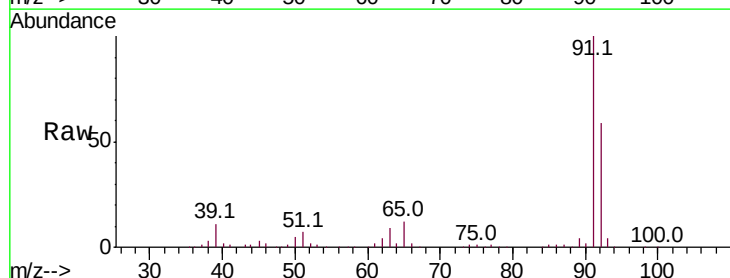
Acq: 16 Apr 2019 16:38

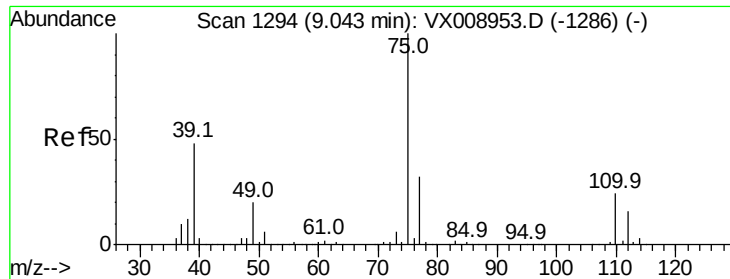
Tgt Ion: 92 Resp: 124294

Ion Ratio Lower Upper

92 100

91 172.5 138.5 207.7





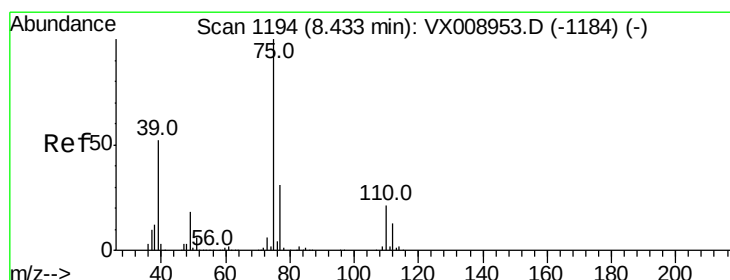
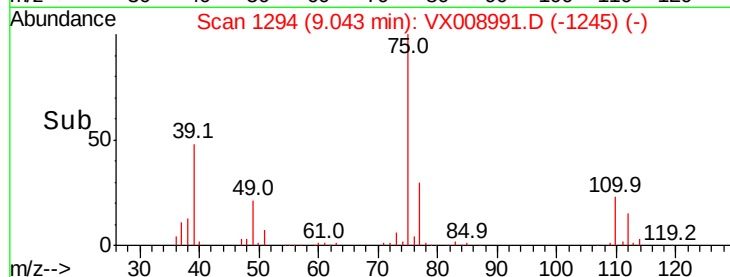
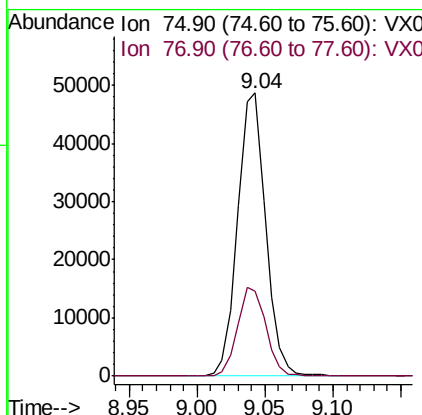
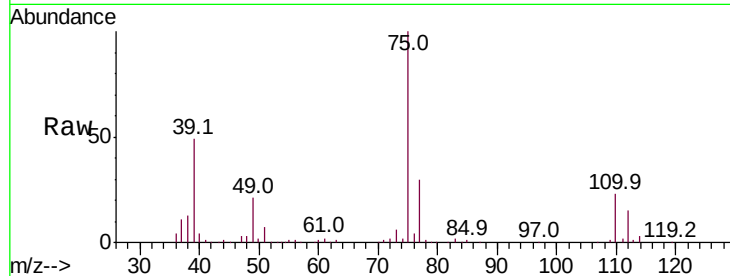
#53
t-1,3-Dichloropropene
Concen: 17.976 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion: 75 Resp: 70110
Ion Ratio Lower Upper
75 100
77 30.2 25.4 38.2

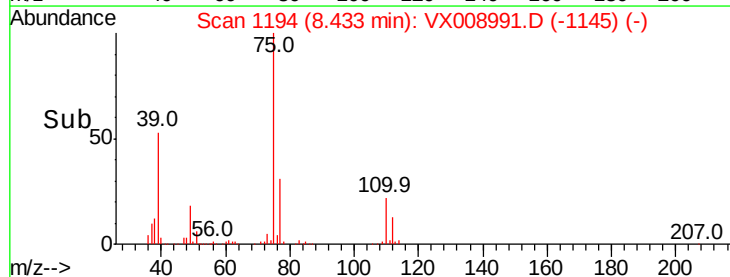
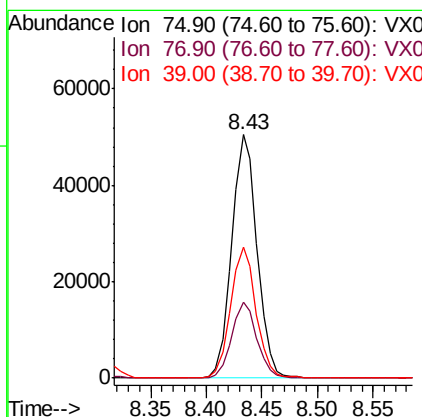
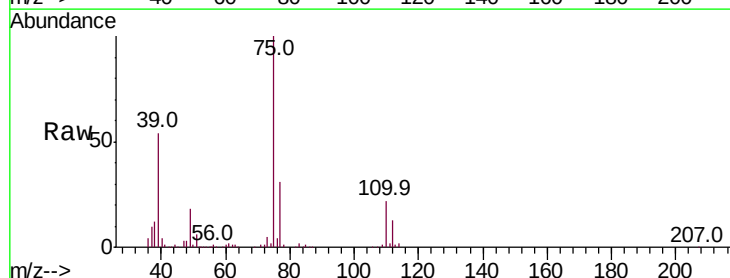
Manual Integrations
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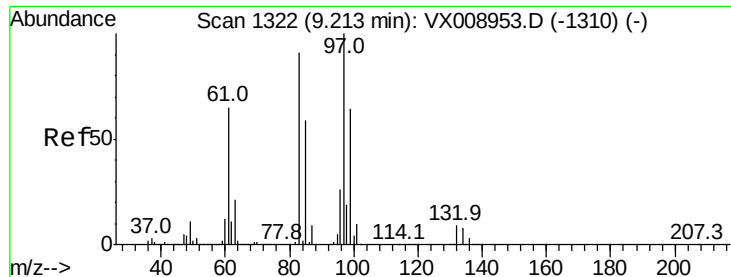
MMDadoda
4/17/2019 9:58:57 AM



#54
cis-1,3-Dichloropropene
Concen: 18.223 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion: 75 Resp: 79582
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 53.4 41.8 62.6





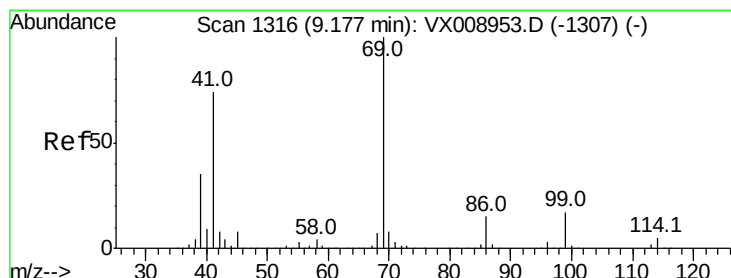
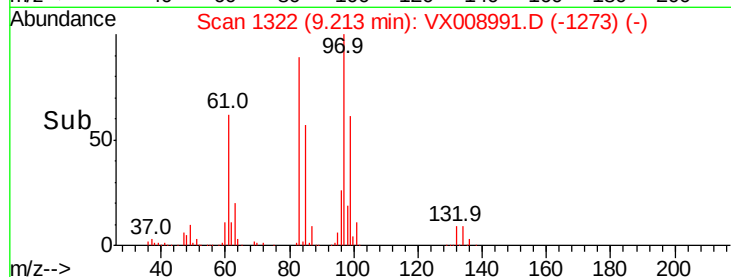
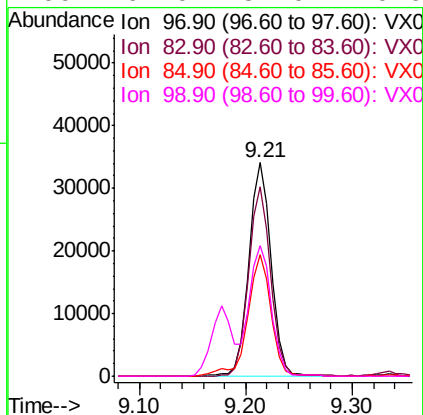
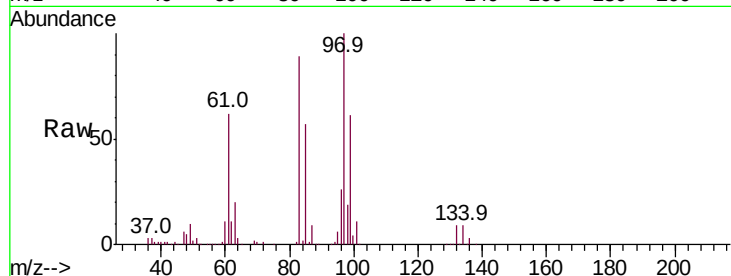
#55
 1,1,2-Trichloroethane
 Concen: 19.736 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion:	97	Resp:	50168
Ion	Ratio	Lower	Upper
97	100		
83	88.6	72.6	108.8
85	56.8	46.9	70.3
99	61.0	51.0	76.6

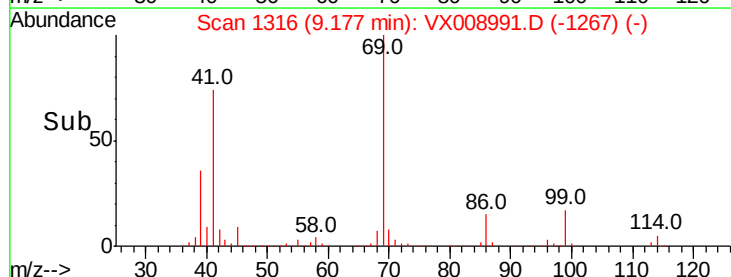
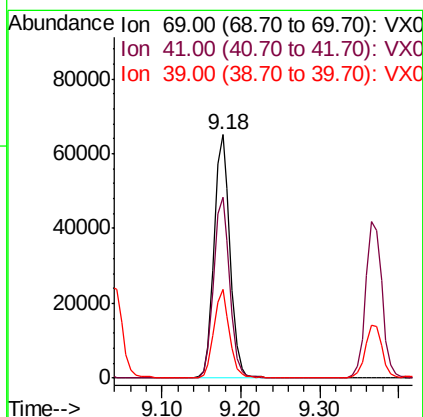
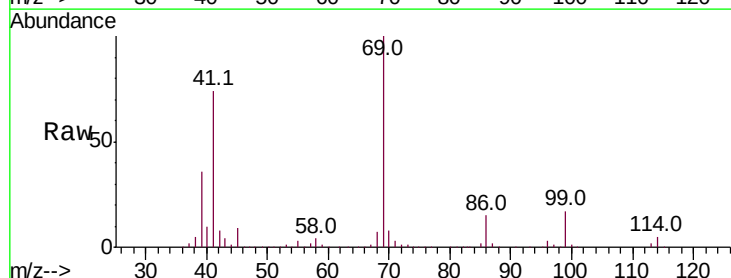
Manual Integrations
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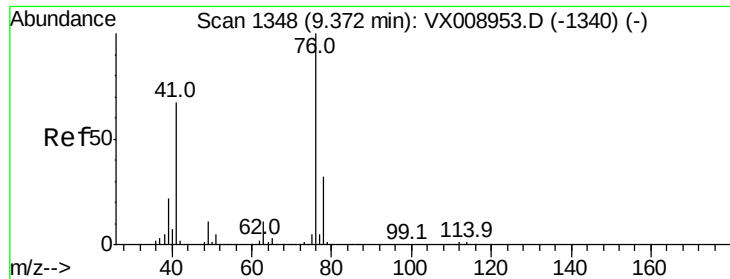
MMDadoda
 4/17/2019 9:58:57 AM



#56
 Ethyl methacrylate
 Concen: 20.221 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Tgt Ion:	69	Resp:	92166
Ion	Ratio	Lower	Upper
69	100		
41	73.7	60.2	90.2
39	35.1	27.9	41.9





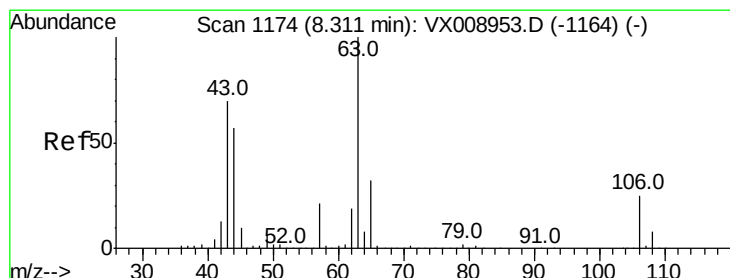
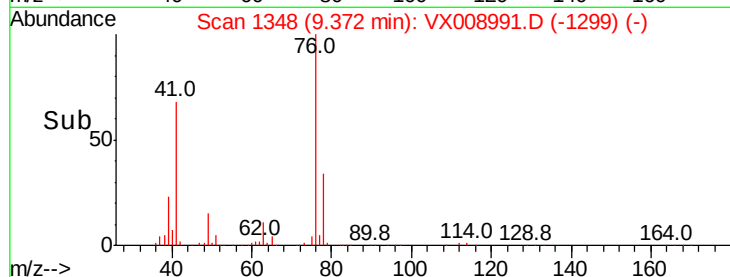
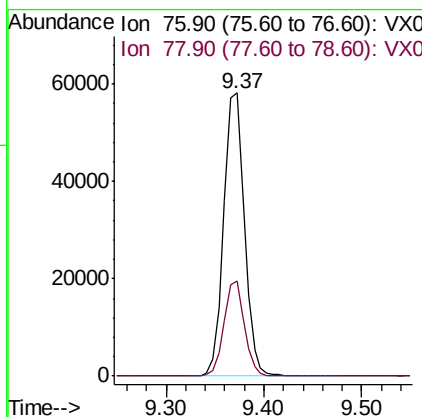
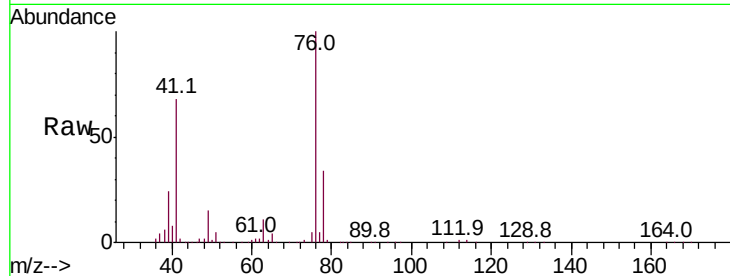
#57
 1,3-Dichloropropane
 Concen: 19.060 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion: 76 Resp: 86260
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5

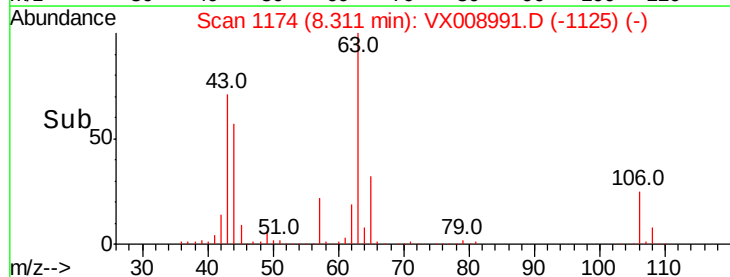
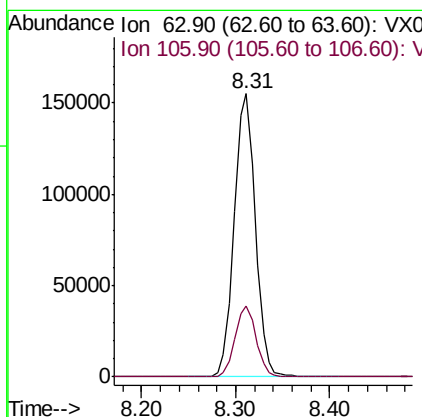
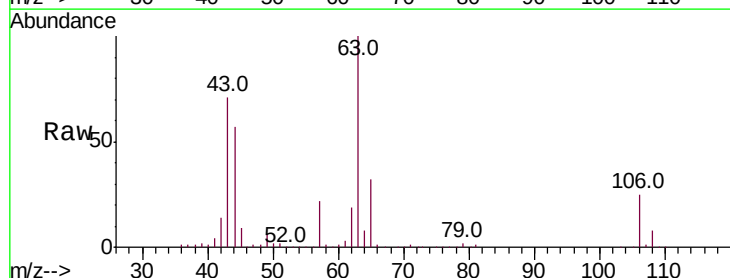
Manual Integrations
 APPROVED

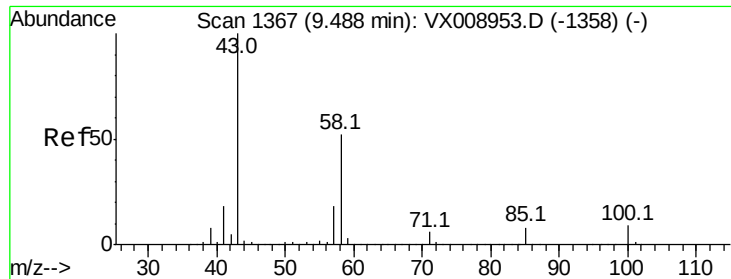
MMDadoda
 4/17/2019 9:58:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.593 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Tgt Ion: 63 Resp: 241986
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.8 29.6





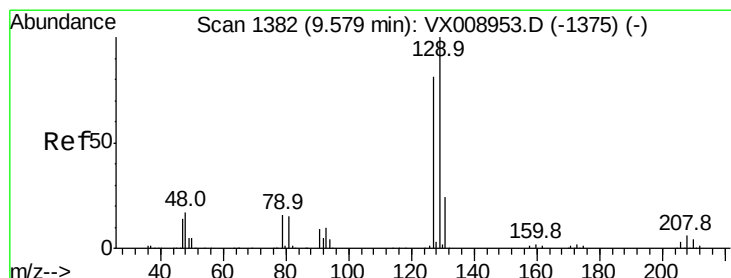
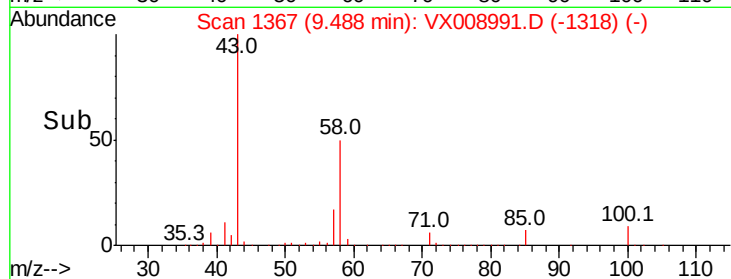
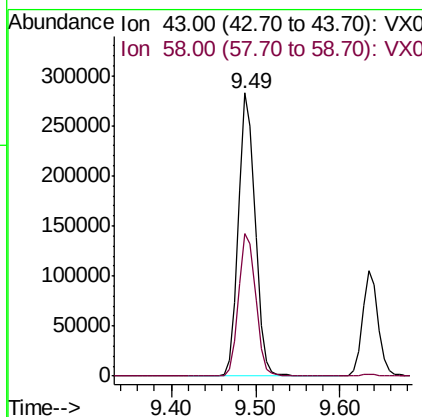
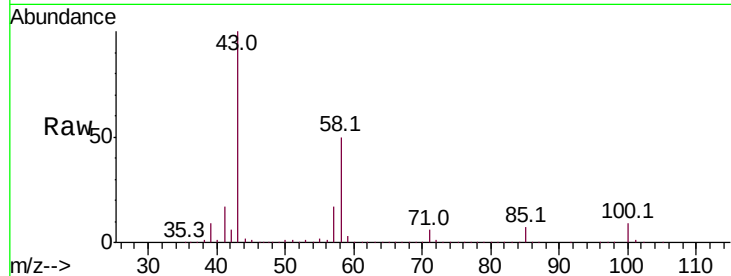
#59
2-Hexanone
Concen: 101.755 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion: 43 Resp: 375954
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.8

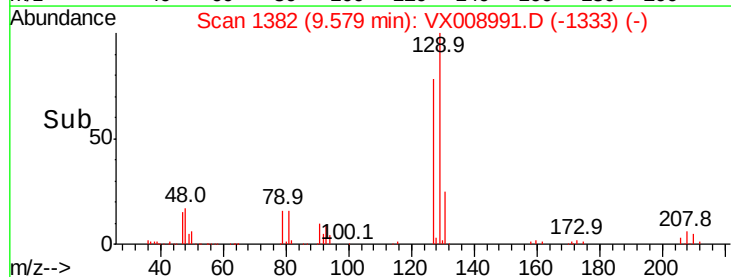
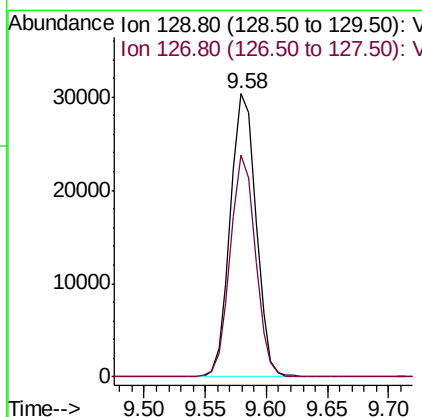
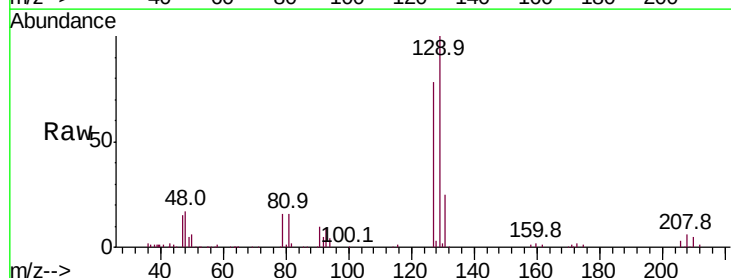
Manual Integrations
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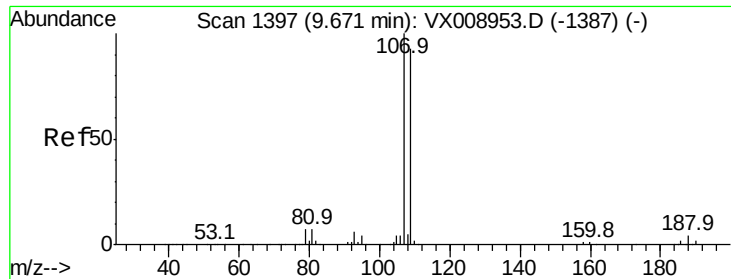
MMDadoda
4/17/2019 9:58:57 AM



#60
Dibromochloromethane
Concen: 18.151 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion: 129 Resp: 44219
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.217 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion:107 Resp: 50416

Ion Ratio Lower Upper

107 100

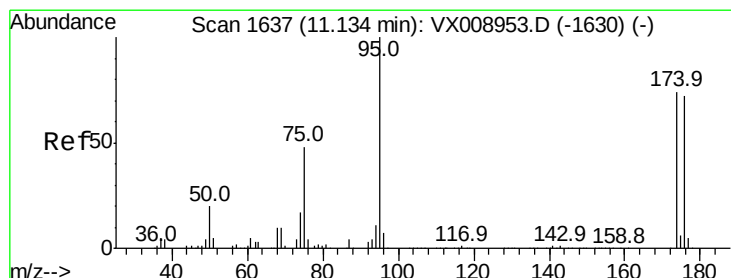
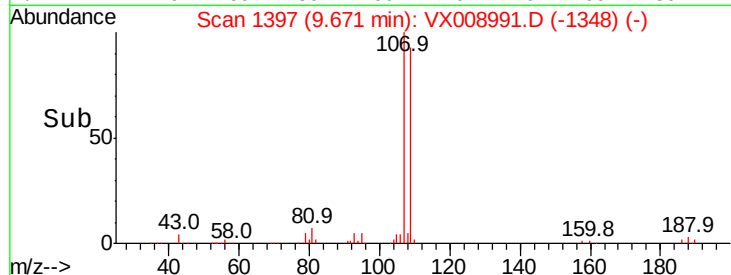
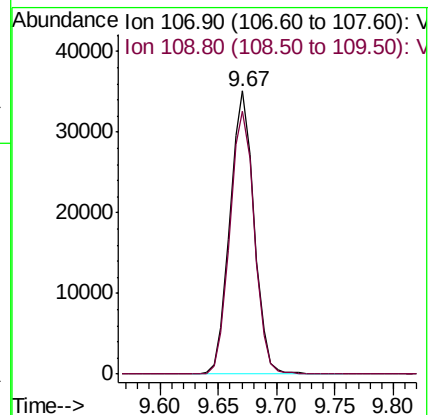
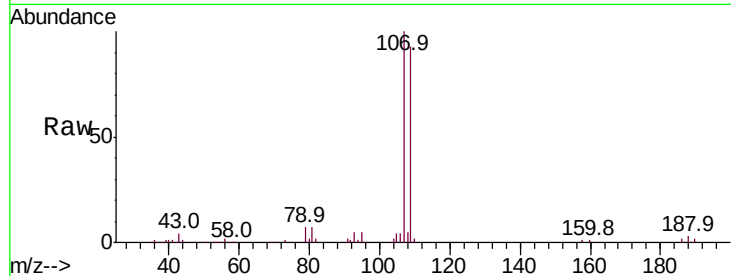
109 94.6 74.4 111.6

Manual Integrations

APPROVED

MMDadoda

4/17/2019 9:58:57 AM



#62

4-Bromofluorobenzene

Concen: 49.505 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

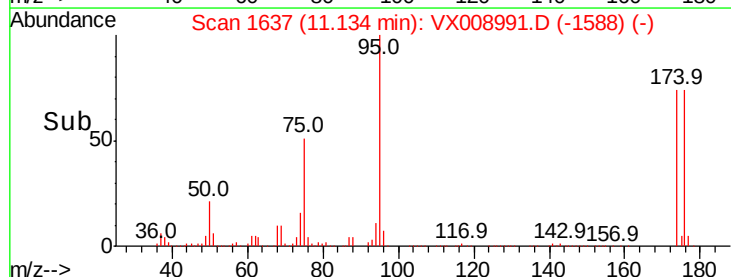
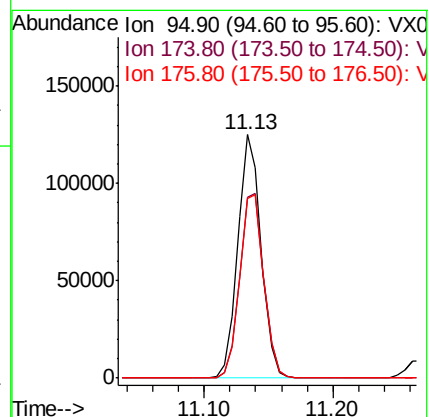
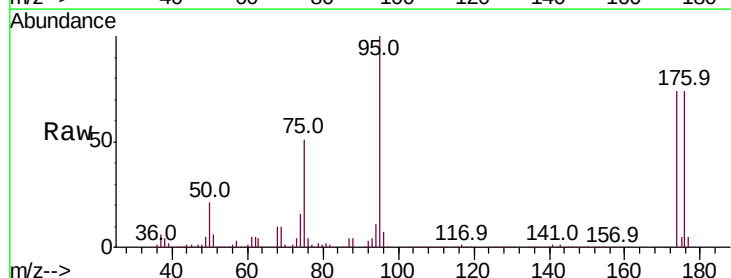
Tgt Ion: 95 Resp: 156880

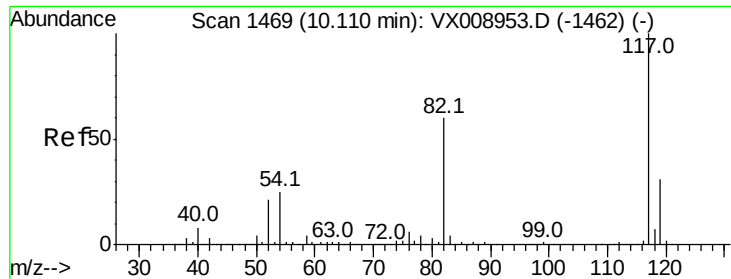
Ion Ratio Lower Upper

95 100

174 78.9 0.0 159.6

176 78.3 0.0 154.8





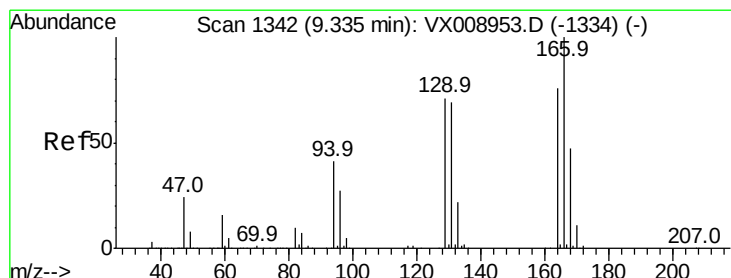
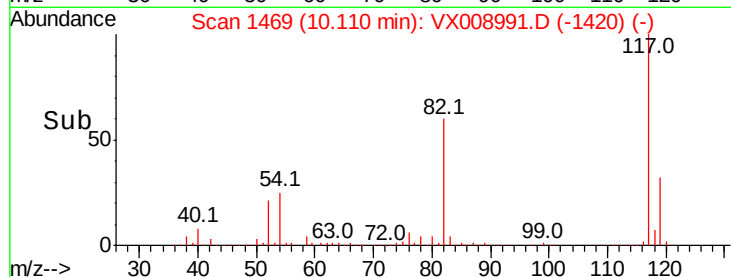
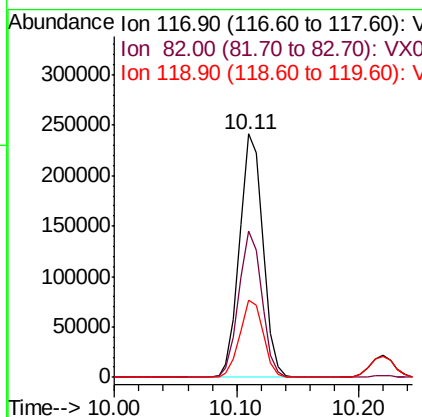
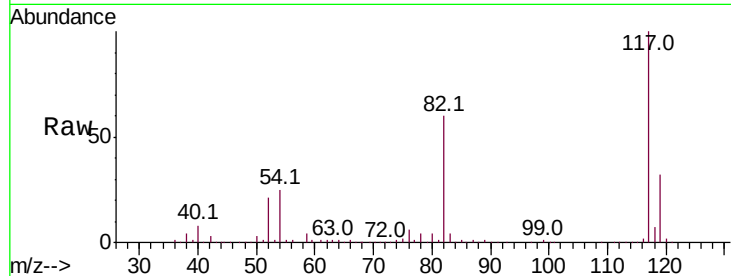
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	48.2	72.4
119	31.8	25.0	37.6

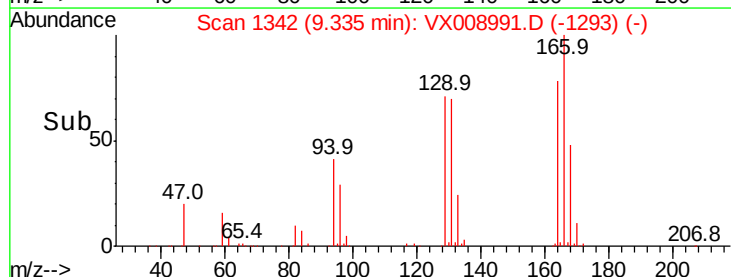
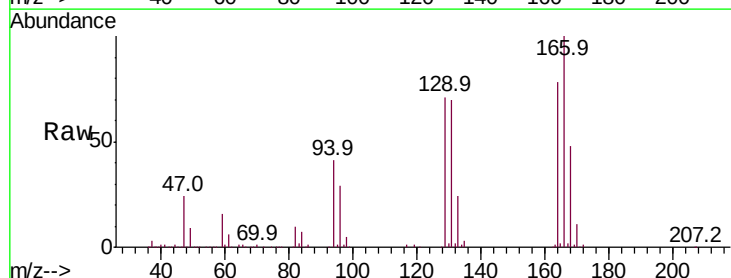
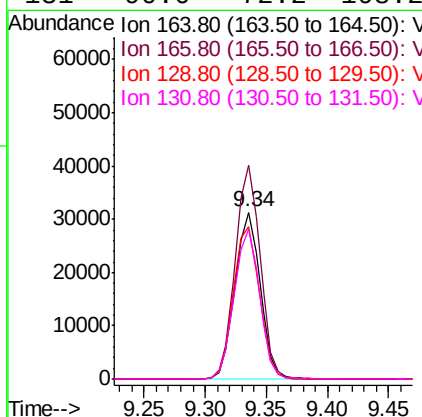
Manual Integrations
APPROVED

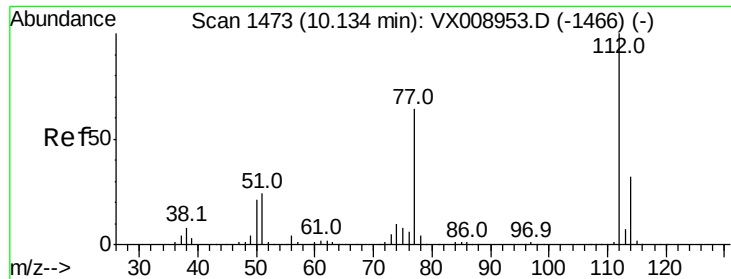
MMDadoda
4/17/2019 9:58:57 AM



#64
Tetrachloroethene
Concen: 18.395 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	105.0	157.4
129	91.4	74.2	111.4
131	90.0	72.2	108.2





#65

Chlorobenzene

Concen: 18.820 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion:112 Resp: 126259

Ion Ratio Lower Upper

112 100

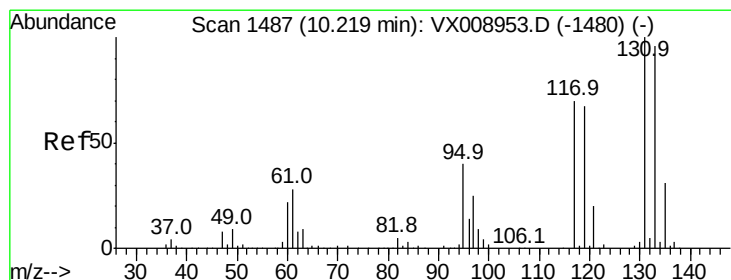
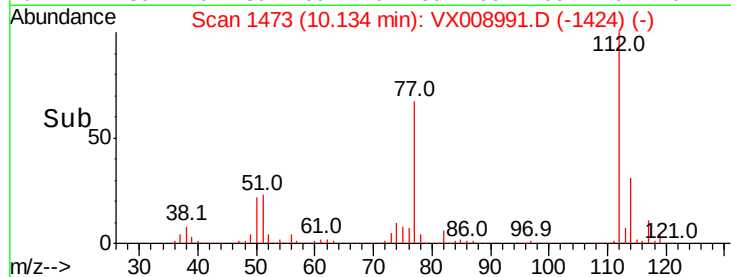
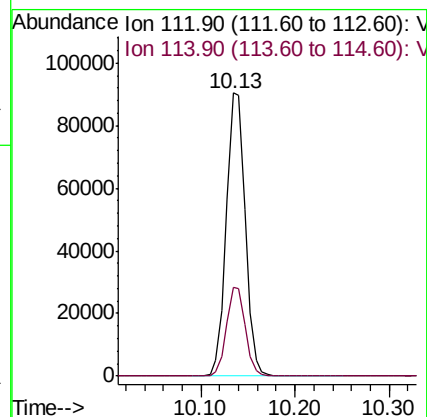
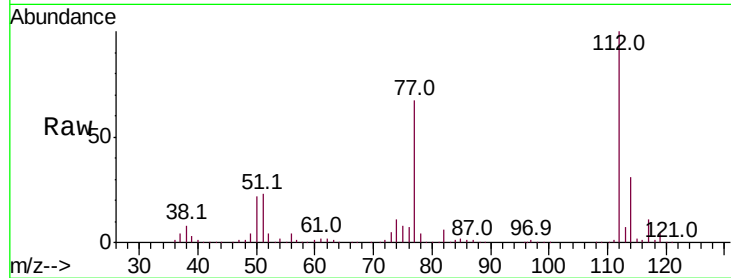
114 31.4 25.4 38.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 18.444 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

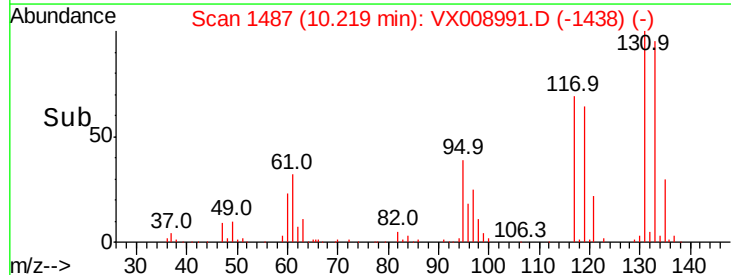
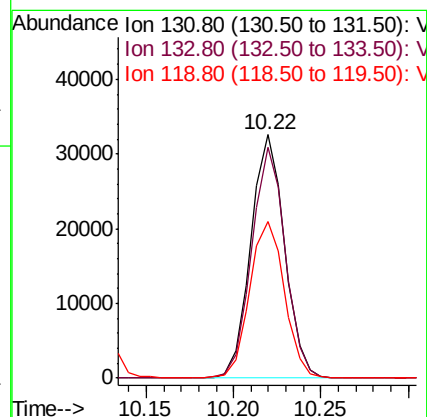
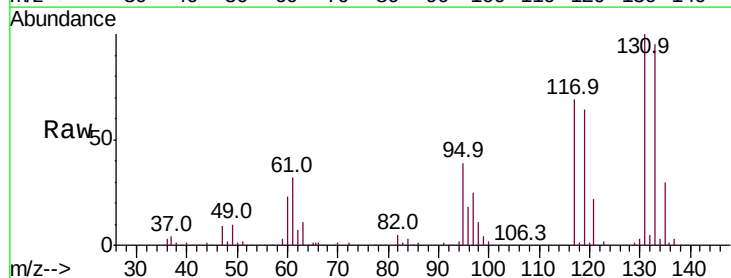
Tgt Ion:131 Resp: 43591

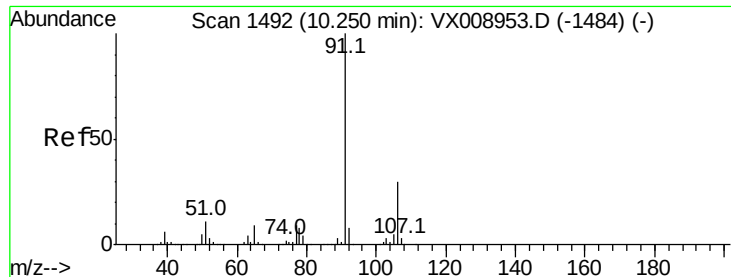
Ion Ratio Lower Upper

131 100

133 95.0 48.0 144.2

119 66.8 33.7 101.1





#67

Ethyl Benzene

Concen: 19.107 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampled :

VX0416MBS01

Tot Ion: 91 Resp: 234329

Ion Ratio Lower Upper

91 100

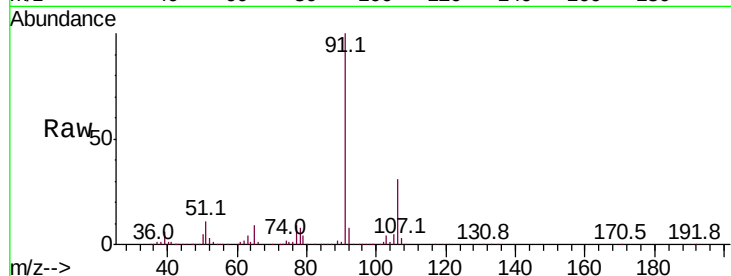
106 30.6 24.3 36.5

Manual Integrations

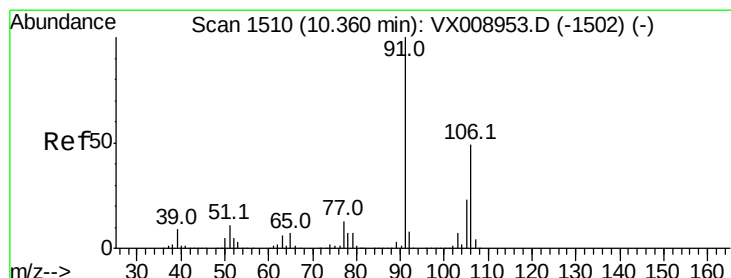
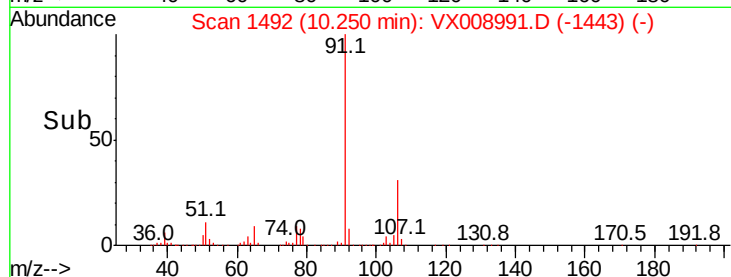
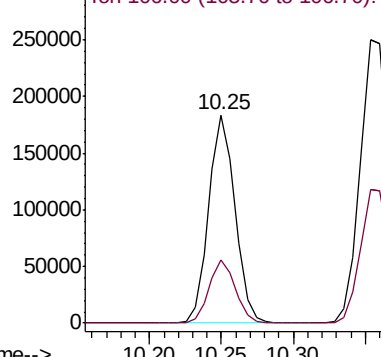
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Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1484) (-)



#68

m/p-Xylenes

Concen: 37.713 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008991.D

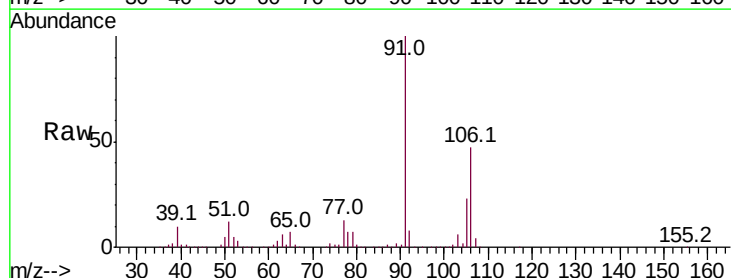
Acq: 16 Apr 2019 16:38

Tgt Ion: 106 Resp: 168090

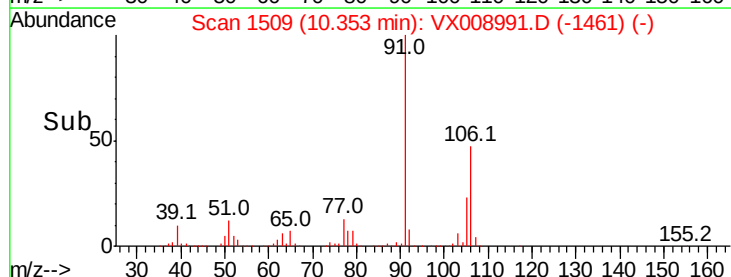
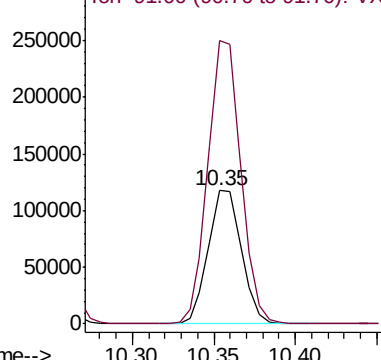
Ion Ratio Lower Upper

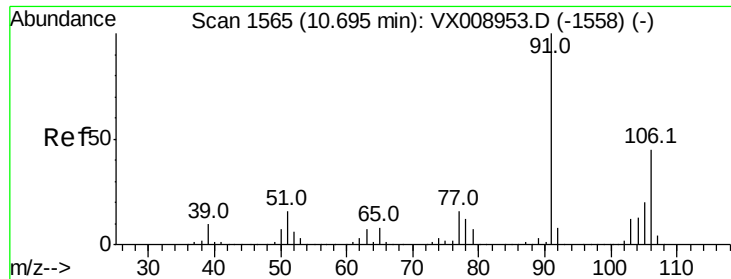
106 100

91 210.1 165.4 248.2



Abundance Ion 106.00 (105.70 to 106.70): VX008953.D (-1502) (-)





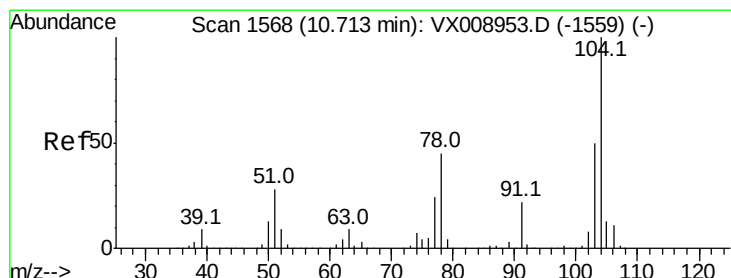
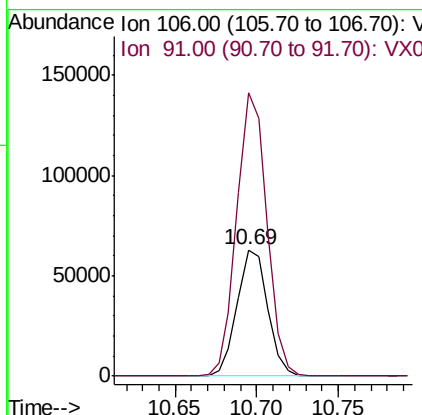
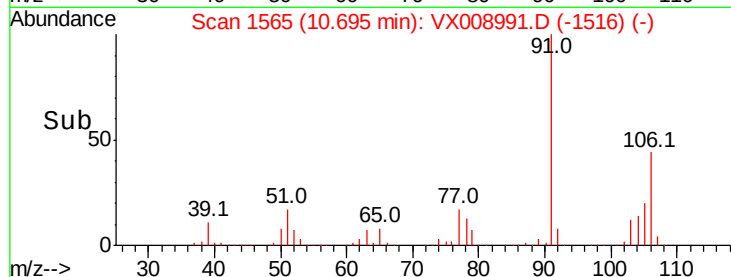
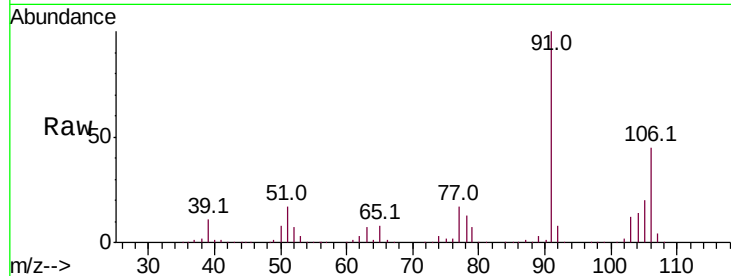
#69
o-Xylene
Concen: 19.057 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion:106 Resp: 82646
Ion Ratio Lower Upper
106 100
91 221.7 108.9 326.7

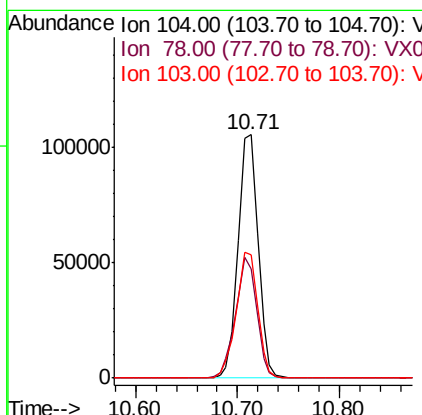
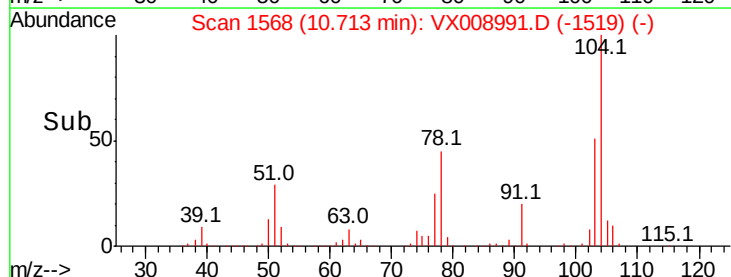
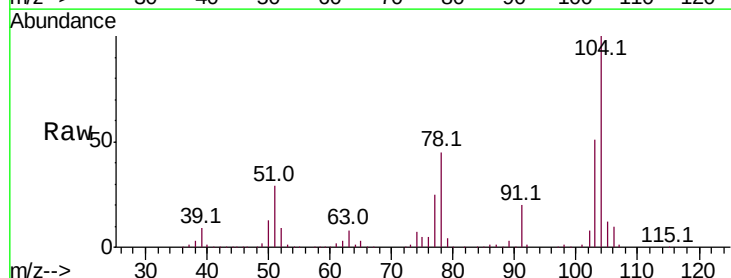
Manual Integrations
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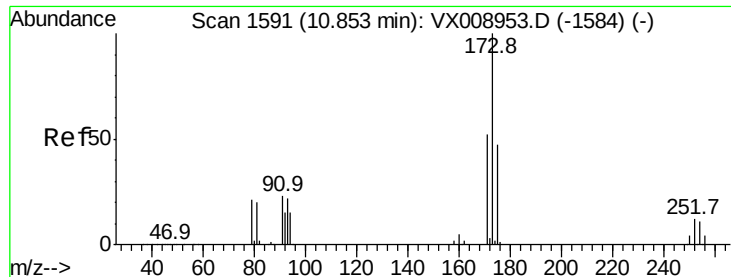
MMDadoda
4/17/2019 9:58:57 AM



#70
Styrene
Concen: 19.097 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion:104 Resp: 143517
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 55.4 43.9 65.9





#71

Bromoform

Concen: 16.653 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion:173 Resp: 31356

Ion Ratio Lower Upper

173 100

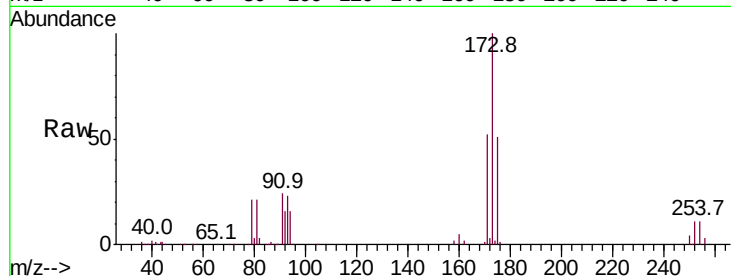
175 50.4 23.9 71.8

254 0.0 0.2 0.4#

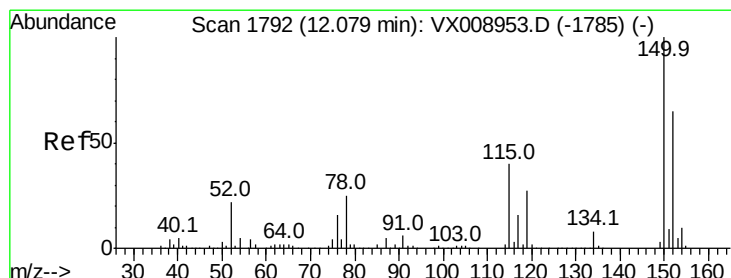
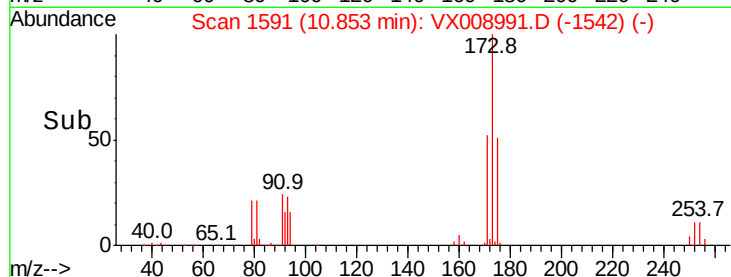
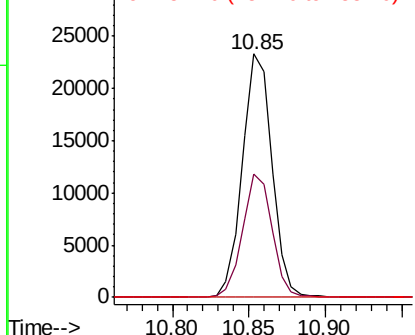
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

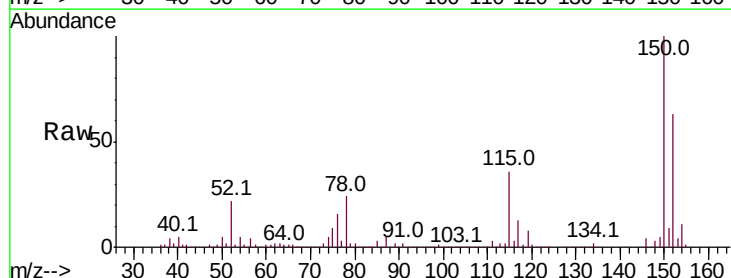
Tgt Ion:152 Resp: 150705

Ion Ratio Lower Upper

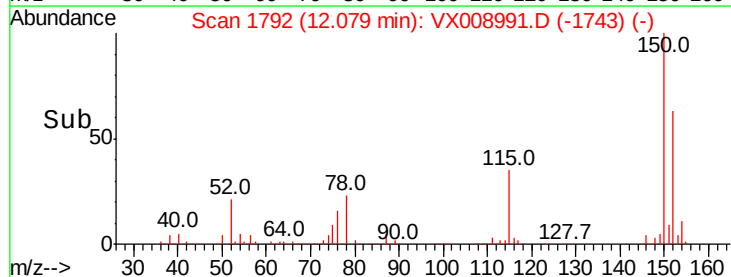
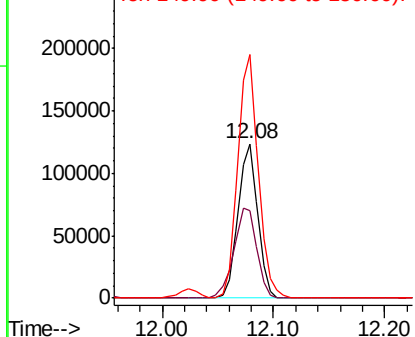
152 100

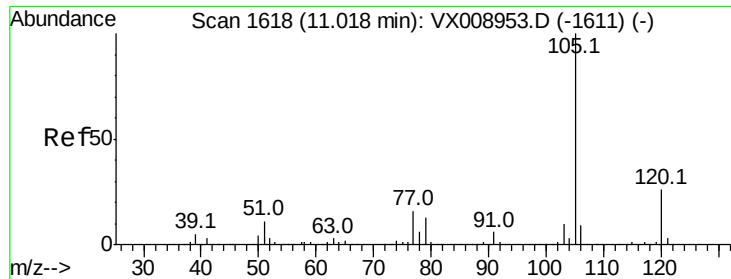
115 68.1 41.4 124.2

150 164.8 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.442 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion:105 Resp: 222090

Ion Ratio Lower Upper

105 100

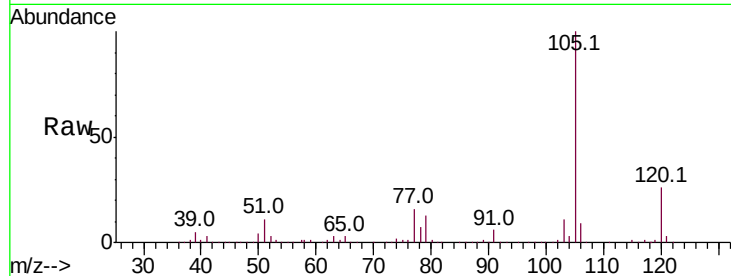
120 25.9 12.9 38.7

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

200000

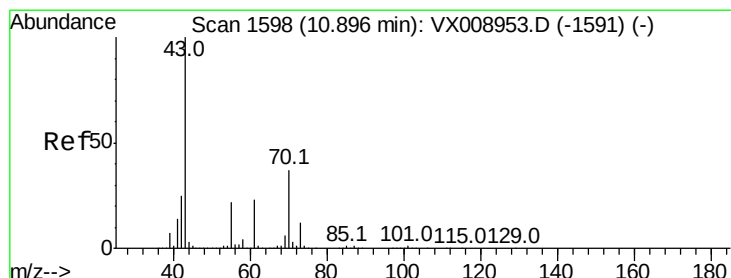
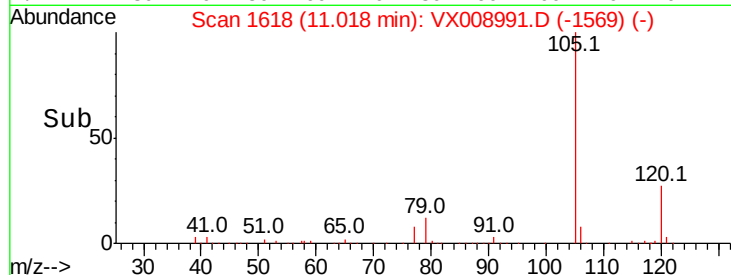
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 20.029 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Tgt Ion: 43 Resp: 131373

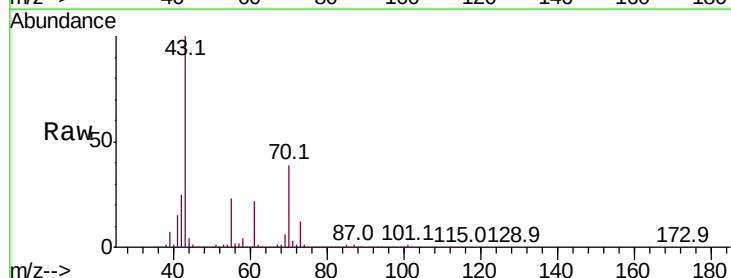
Ion Ratio Lower Upper

43 100

70 37.7 29.9 44.9

55 22.9 17.8 26.8

61 22.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

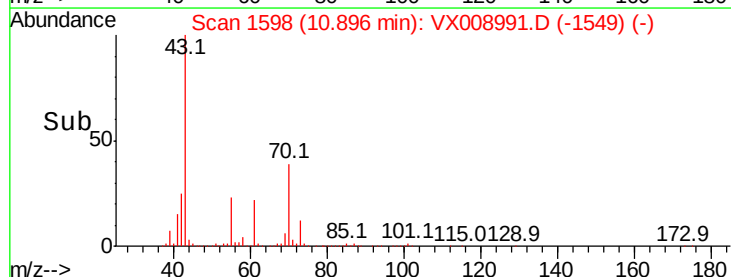
150000

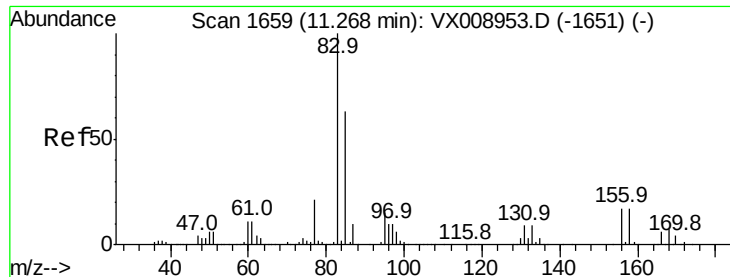
100000

50000

0

Time--> 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 19.139 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

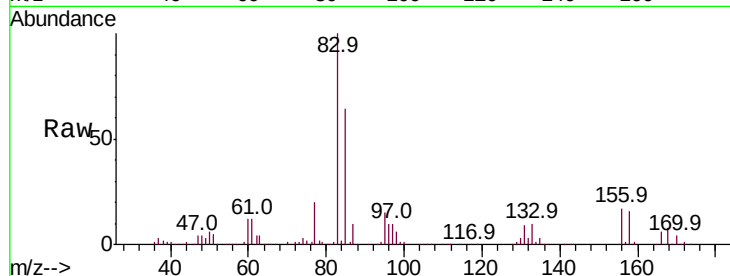
ClientSampleId :

VX0416MBS01

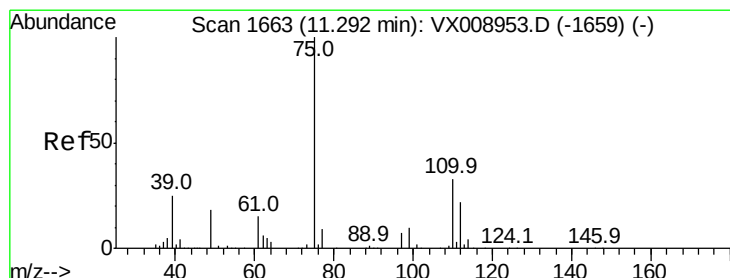
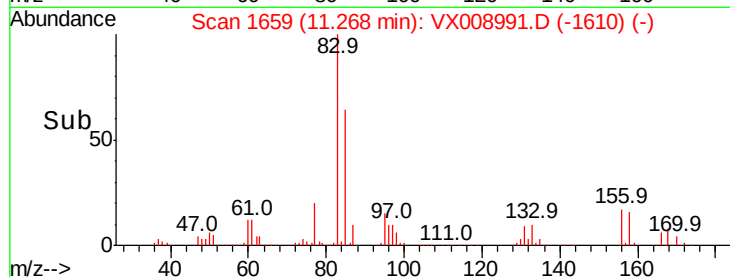
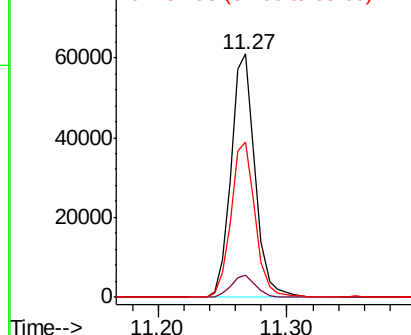
Tot Ion:	83	Resp:	79881
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.0
85	64.3	31.9	95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.103 ug/l m

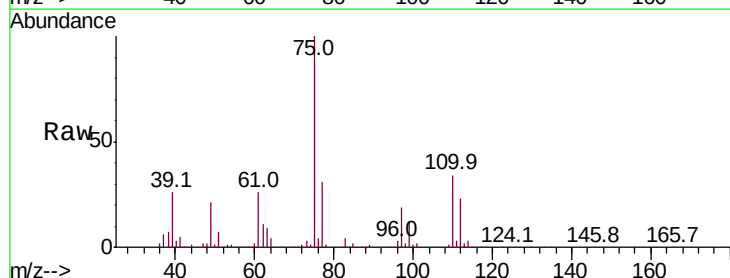
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

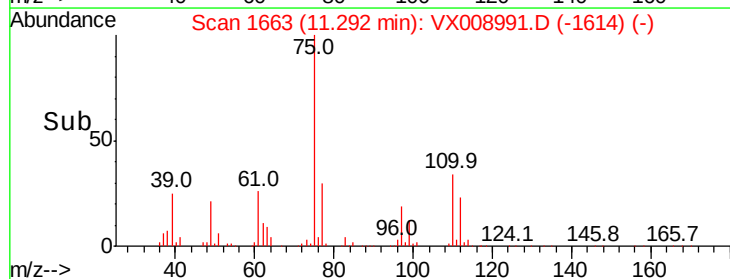
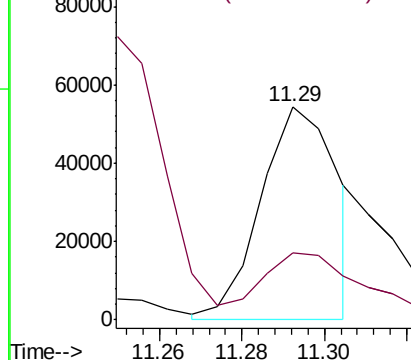
Lab File: VX008991.D

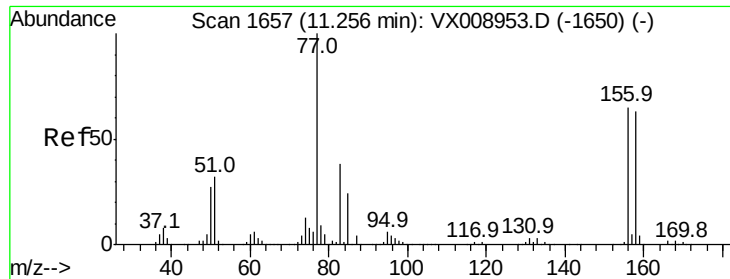
Acq: 16 Apr 2019 16:38

Tgt Ion:	75	Resp:	70297
Ion Ratio	Lower	Upper	
75	100		
77	42.3	22.7	68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





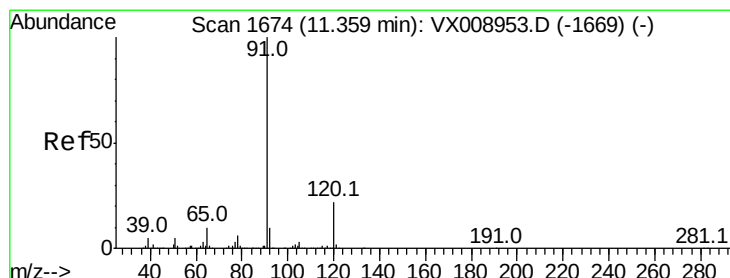
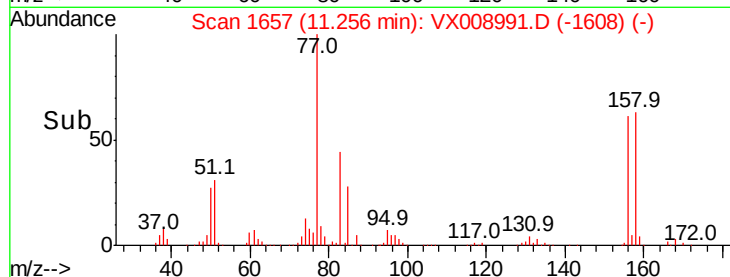
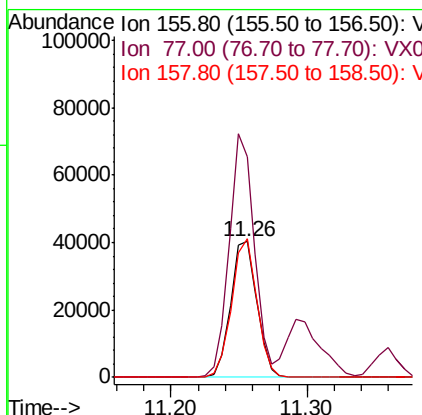
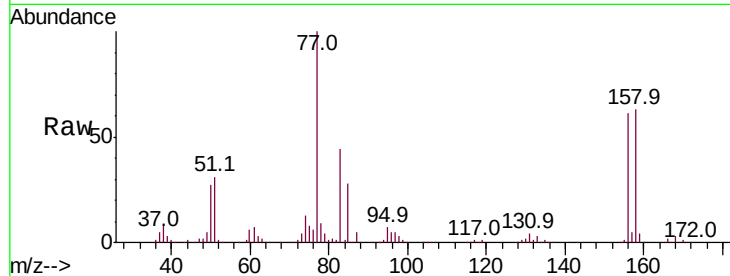
#77
Bromobenzene
Concen: 18.769 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion:156 Resp: 54096
Ion Ratio Lower Upper
156 100
77 171.7 85.4 256.1
158 98.0 48.8 146.4

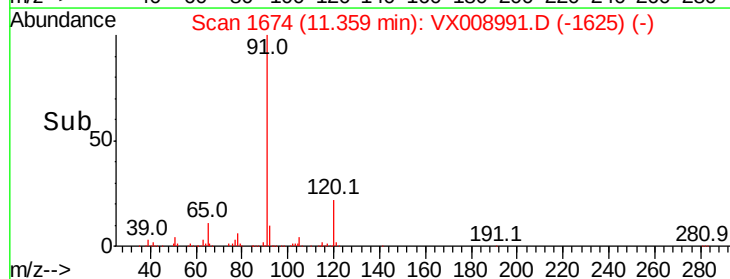
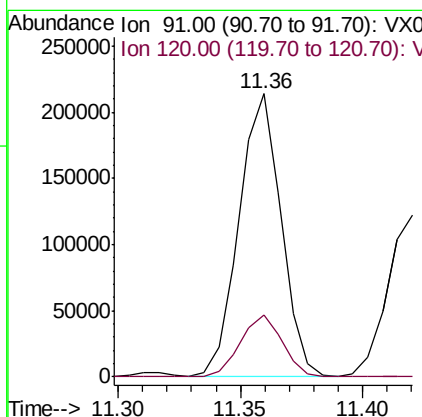
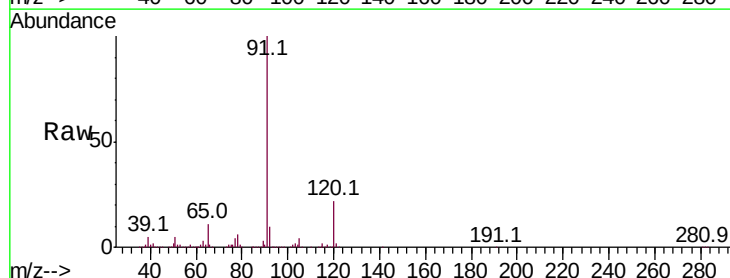
Manual Integrations
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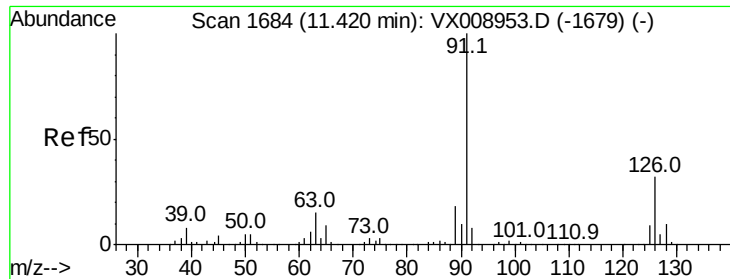
MMDadoda
4/17/2019 9:58:57 AM



#78
n-propylbenzene
Concen: 19.481 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion: 91 Resp: 255420
Ion Ratio Lower Upper
91 100
120 22.0 10.9 32.9





#79

2-Chlorotoluene

Concen: 19.176 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampled :

VX0416MBS01

Tot Ion: 91 Resp: 151504

Ion Ratio Lower Upper

91 100

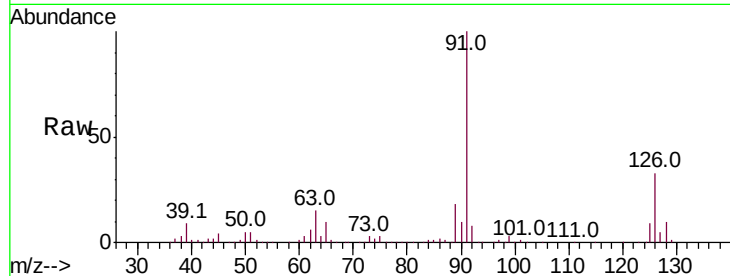
126 33.0 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008991.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX008991.D (-1635) (-)

250000

200000

150000

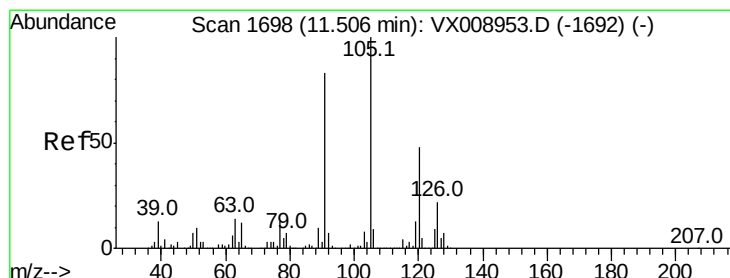
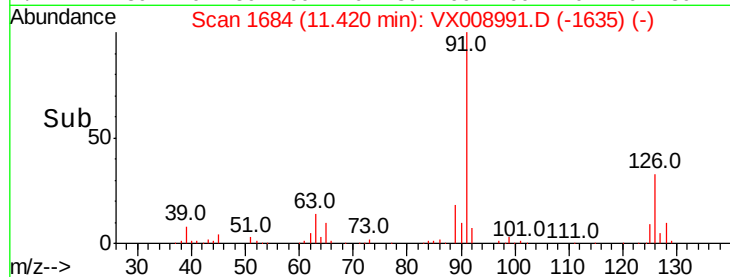
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.249 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008991.D

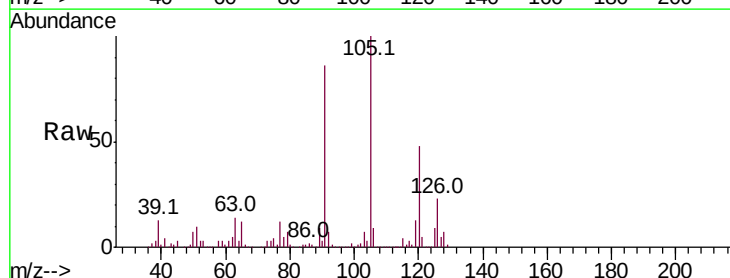
Acq: 16 Apr 2019 16:38

Tgt Ion: 105 Resp: 184522

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX008991.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX008991.D (-1649) (-)

150000

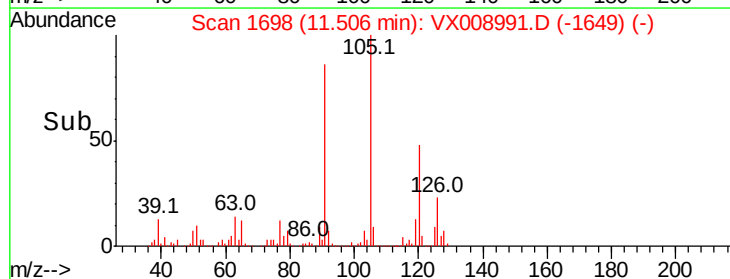
100000

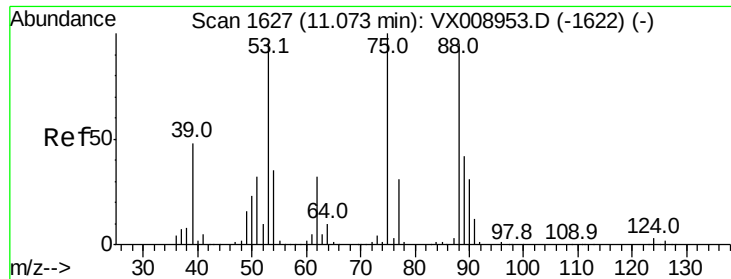
50000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.633 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion: 75 Resp: 23842

Ion Ratio Lower Upper

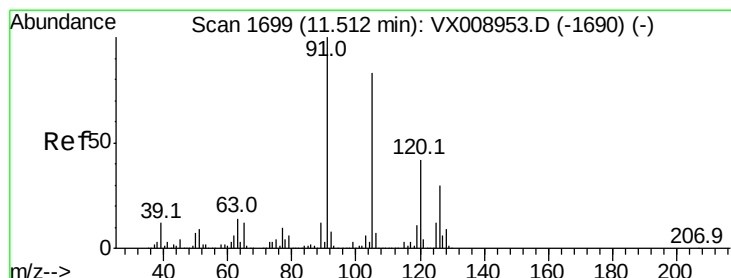
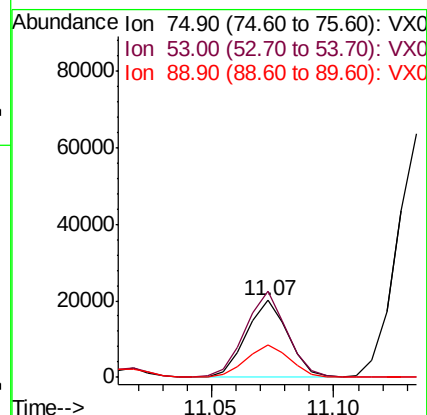
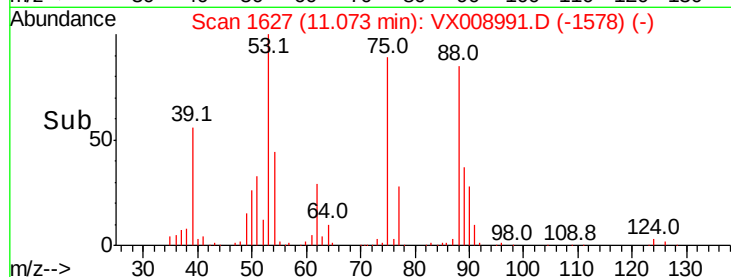
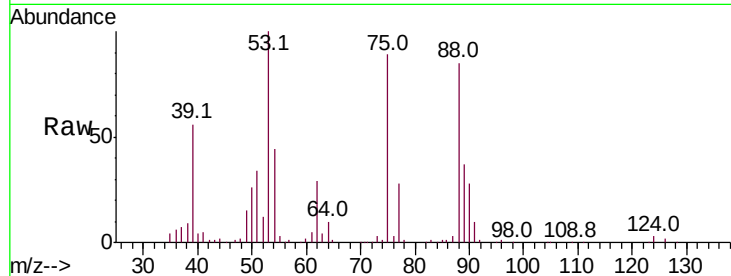
75 100

53 113.2 78.2 117.4

89 44.0 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.030 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008991.D

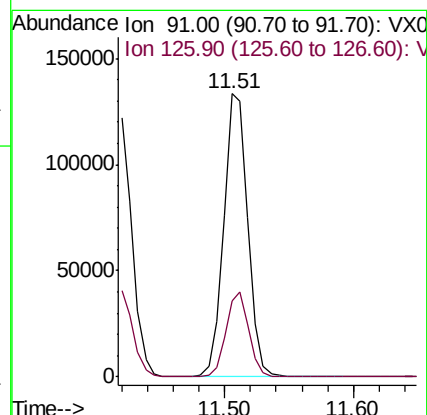
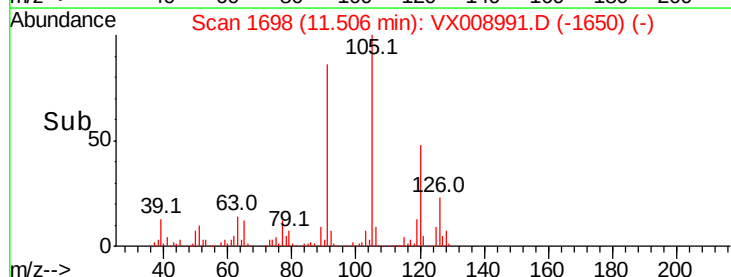
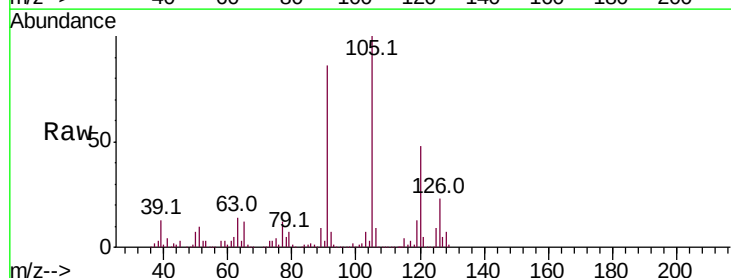
Acq: 16 Apr 2019 16:38

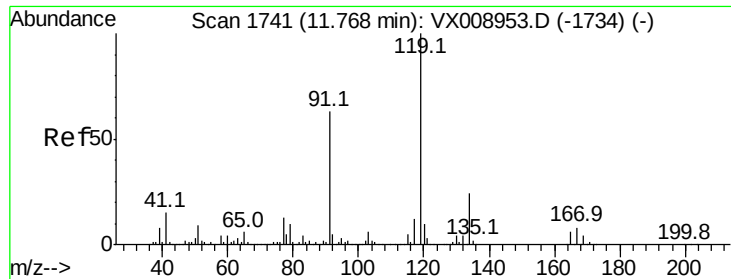
Tgt Ion: 91 Resp: 174620

Ion Ratio Lower Upper

91 100

126 28.8 14.3 42.9





#83

tert-Butylbenzene

Concen: 19.220 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

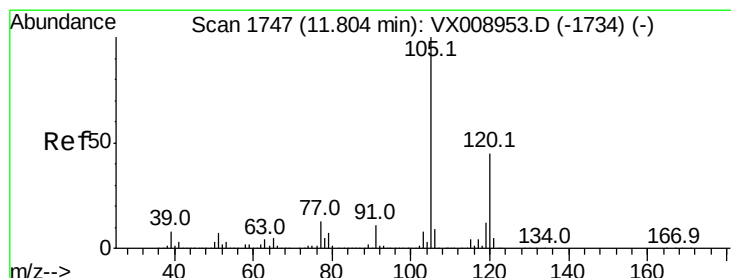
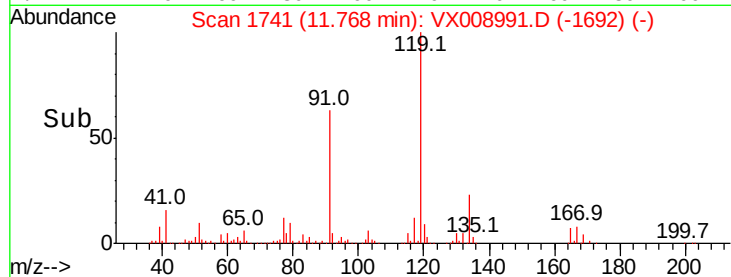
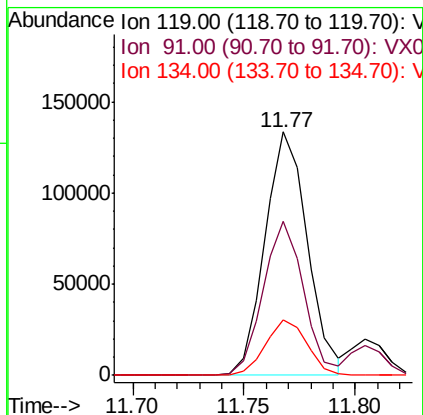
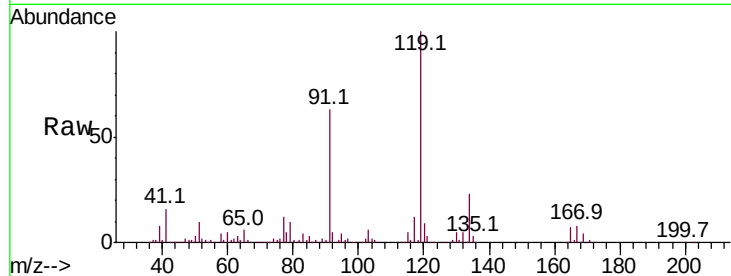
ClientSampleId :

VX0416MBS01

Tot Ion:	119	Resp:	176890
Ion Ratio	Lower	Upper	
119	100		
91	60.4	29.7	89.1
134	22.4	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.318 ug/l

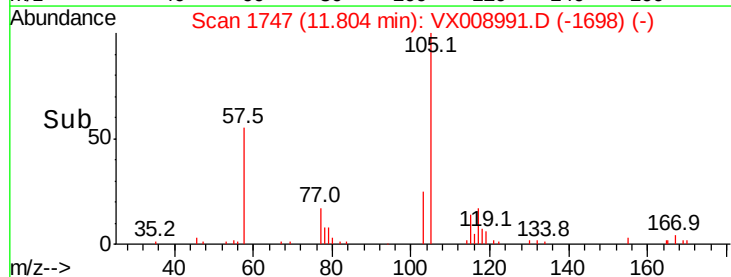
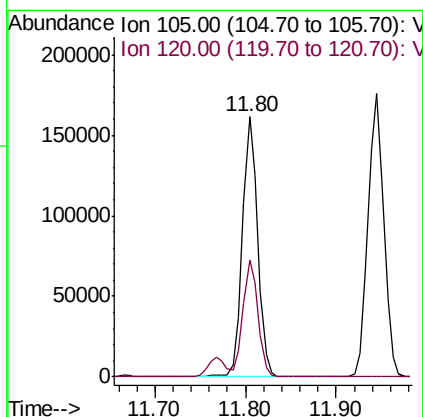
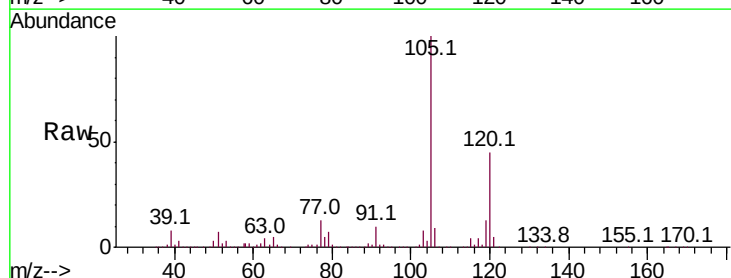
RT: 11.80 min Scan# 1747

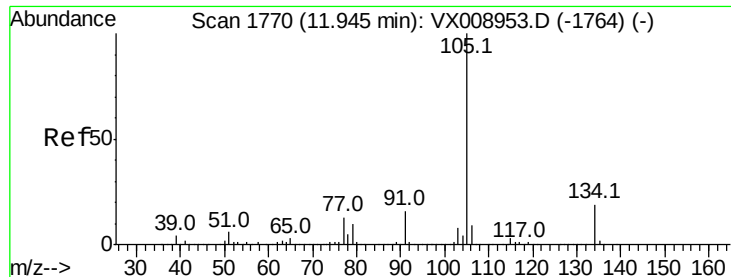
Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Tgt Ion:	105	Resp:	188497
Ion Ratio	Lower	Upper	
105	100		
120	43.9	21.9	65.8





#85

sec-Butylbenzene

Concen: 19.424 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416MBS01

Tot Ion:105 Resp: 213209

Ion Ratio Lower Upper

105 100

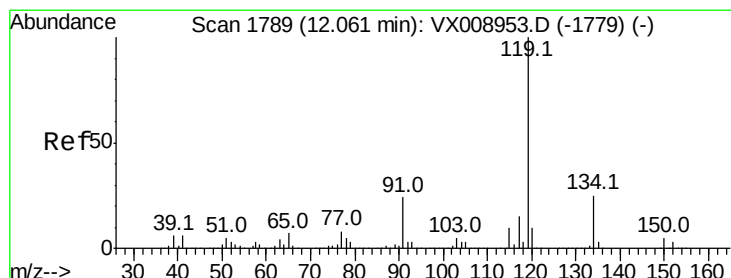
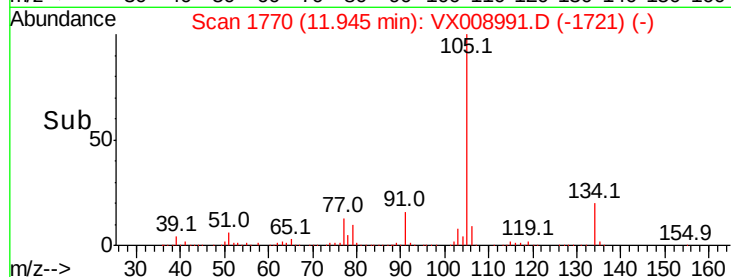
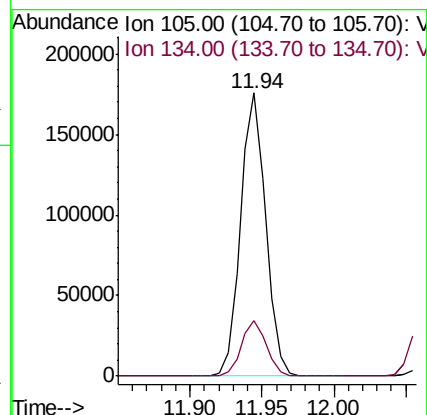
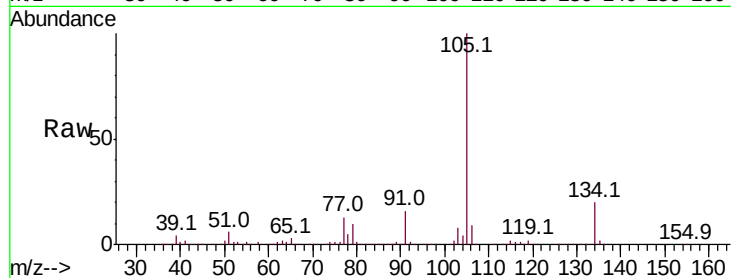
134 19.3 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.239 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008991.D

Acq: 16 Apr 2019 16:38

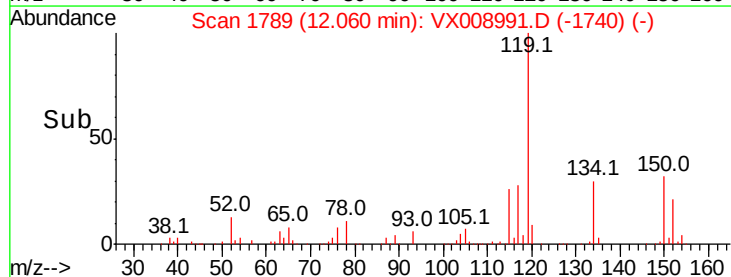
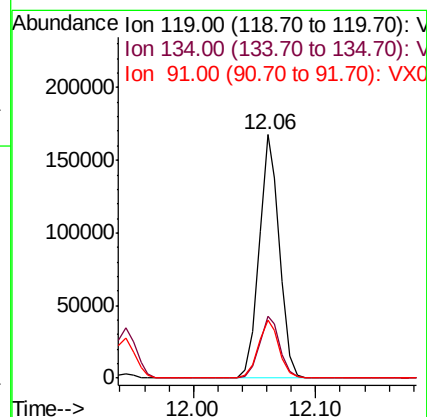
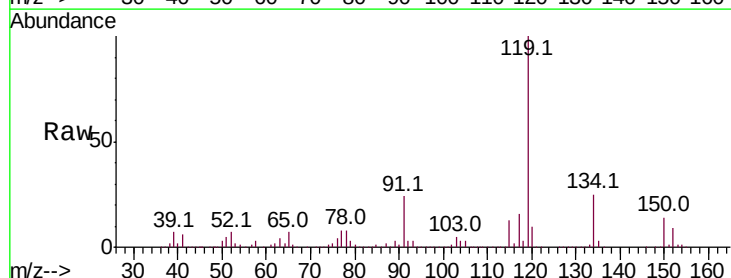
Tgt Ion:119 Resp: 194156

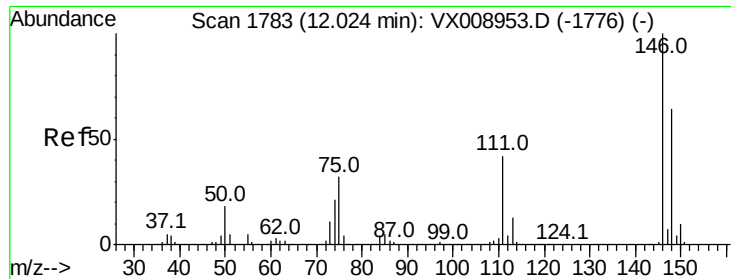
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

91 24.3 11.9 35.5





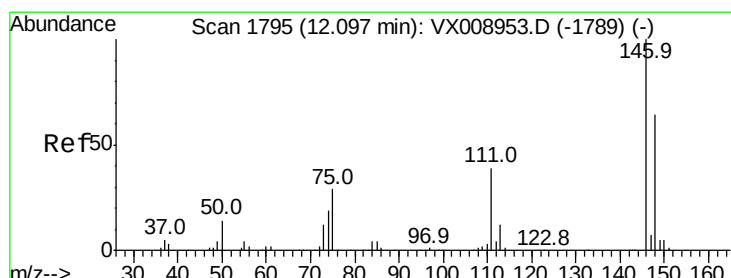
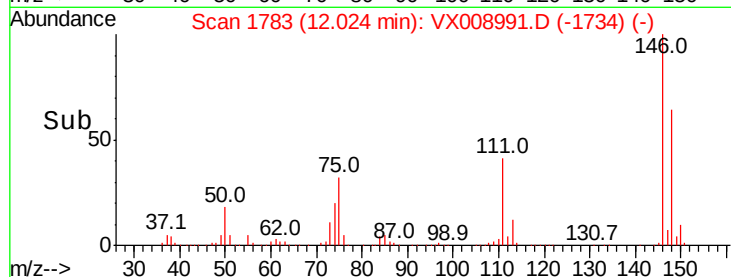
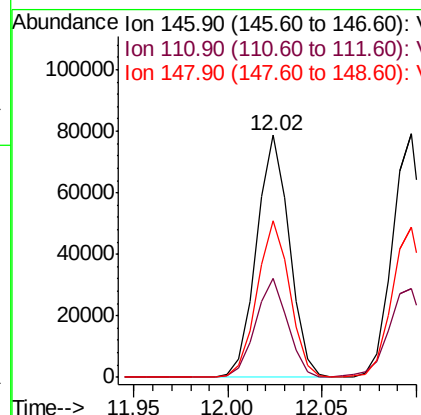
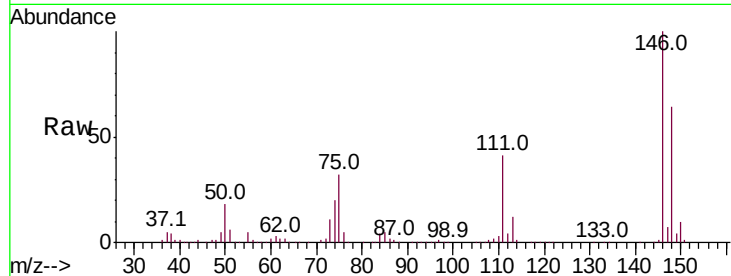
#87
 1,3-Dichlorobenzene
 Concen: 18.846 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.5	61.6
148	64.1	32.2	96.6

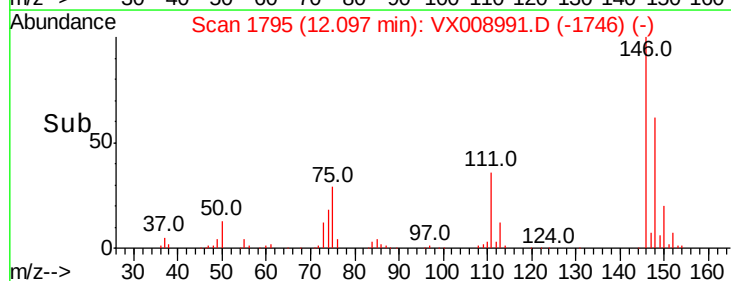
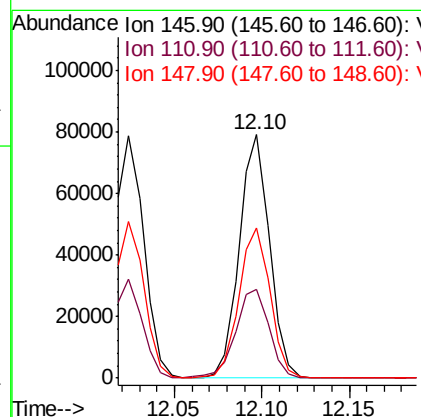
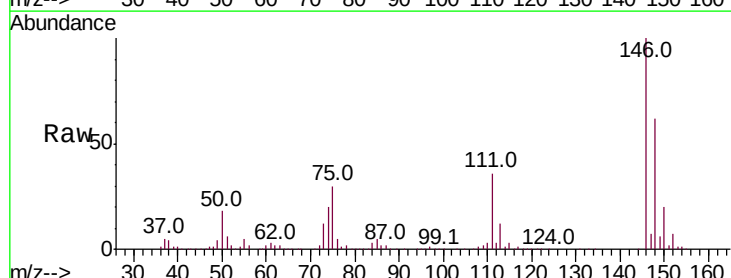
Manual Integrations
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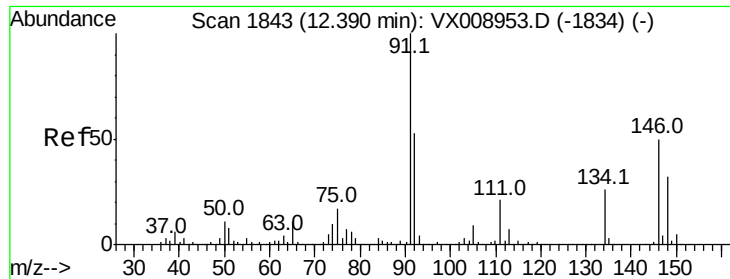
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.554 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	63.7	32.2	96.6





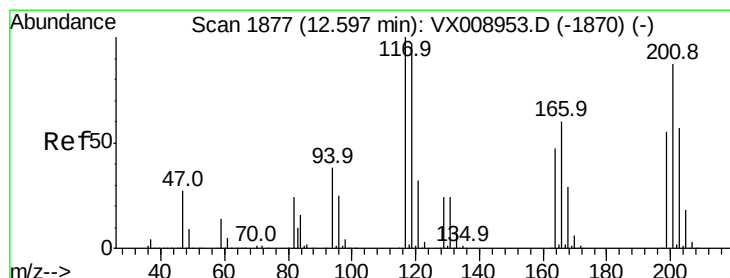
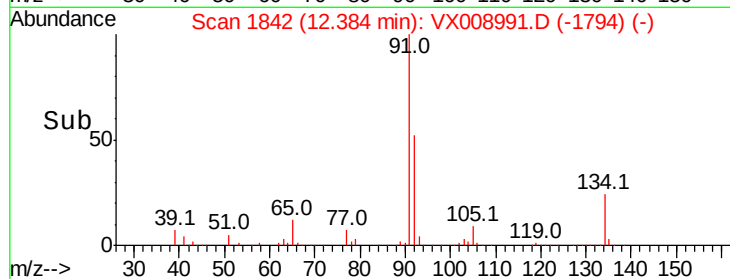
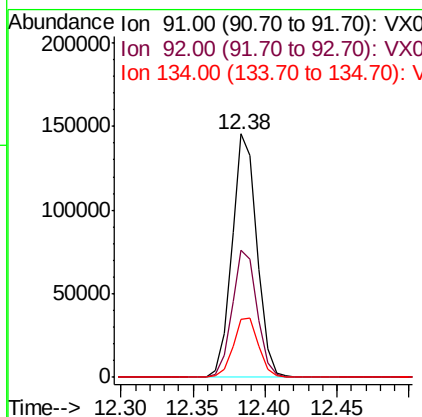
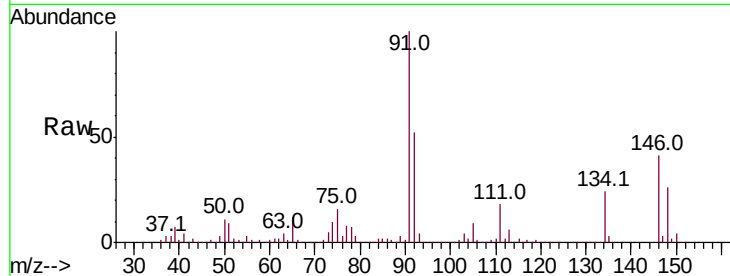
#89
n-Butylbenzene
Concen: 18.729 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.6	79.8
134	25.0	12.4	37.2

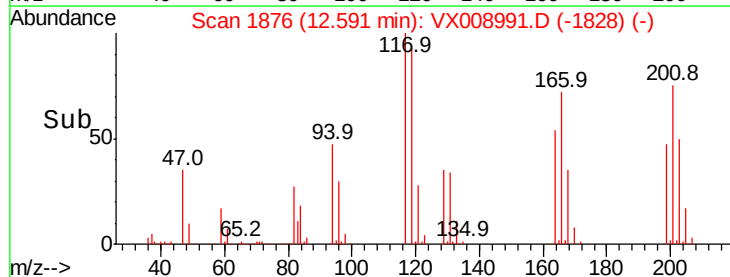
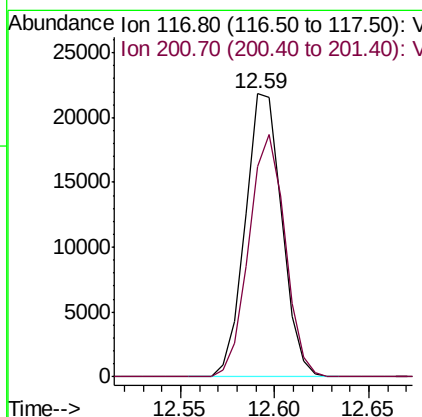
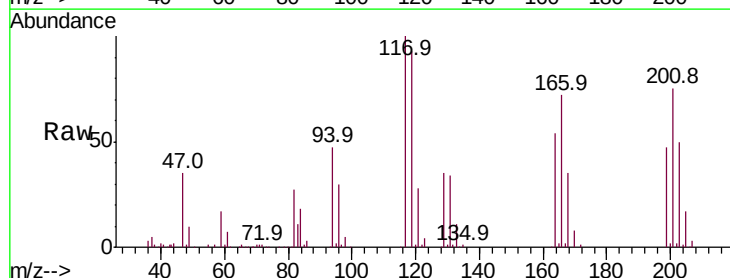
Manual Integrations
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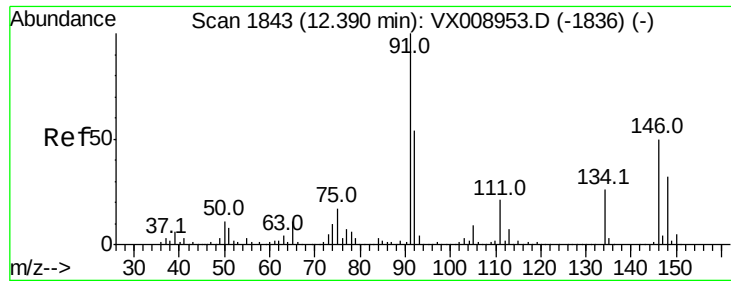
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#90
Hexachloroethane
Concen: 17.722 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	43.0	129.0





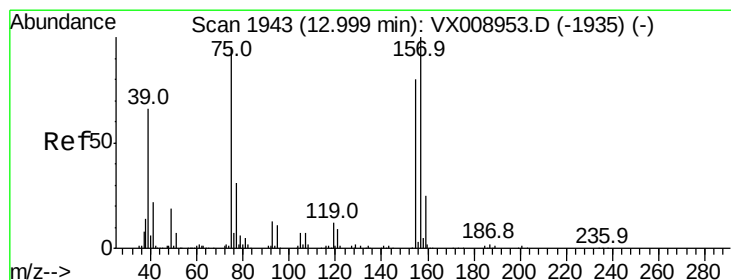
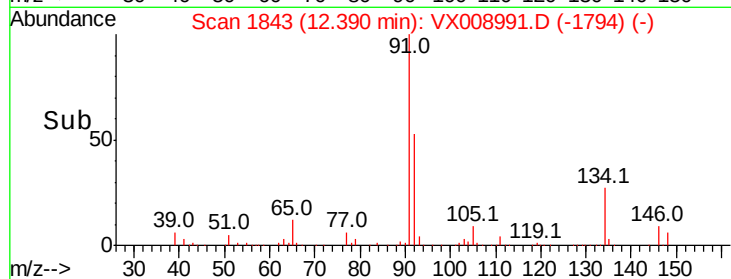
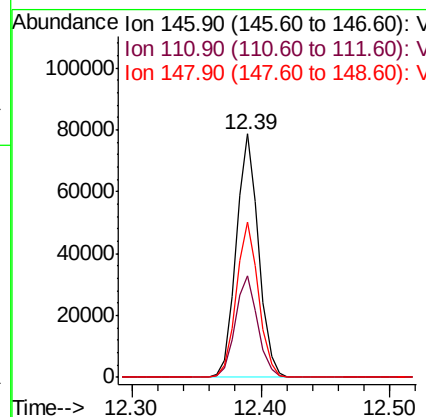
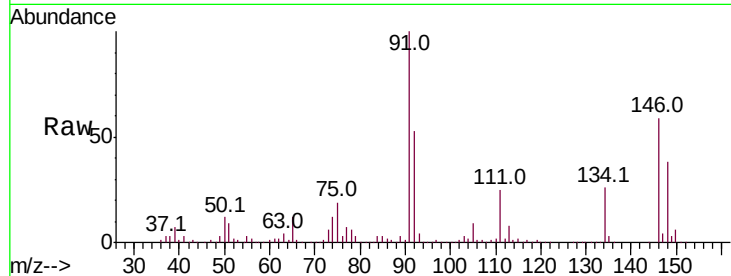
#91
 1,2-Dichlorobenzene
 Concen: 19.095 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.6	61.9
148	63.5	32.0	96.2

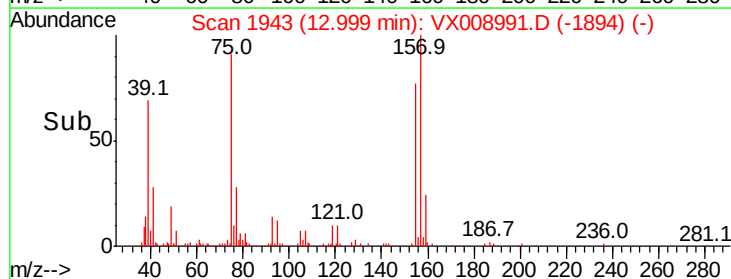
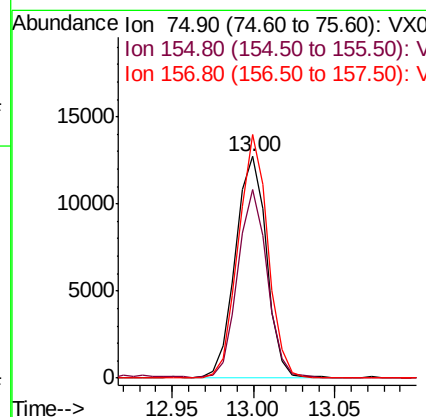
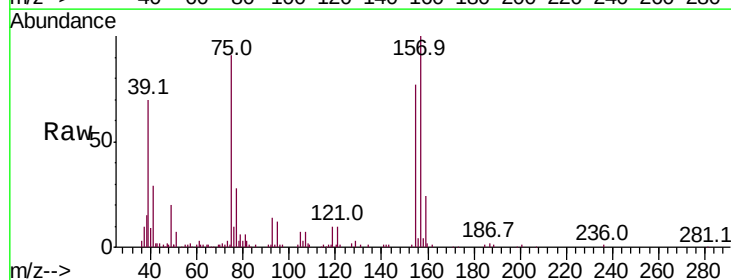
Manual Integrations
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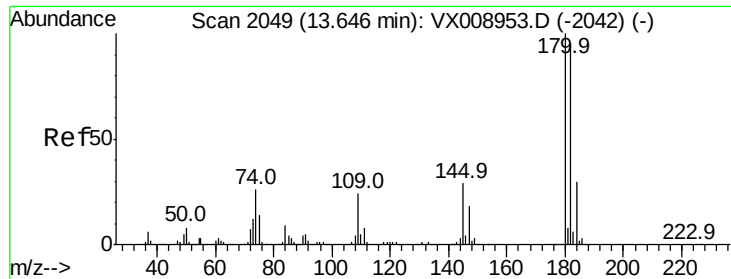
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.775 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	41.2	123.6
157	104.6	52.5	157.6





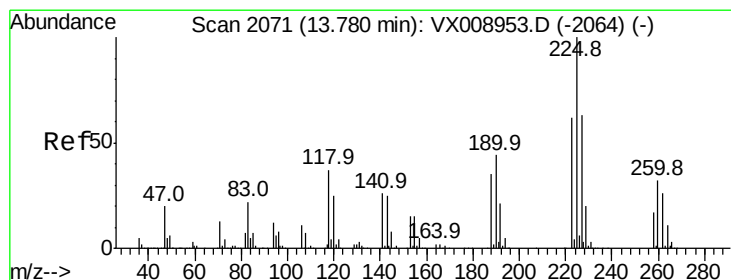
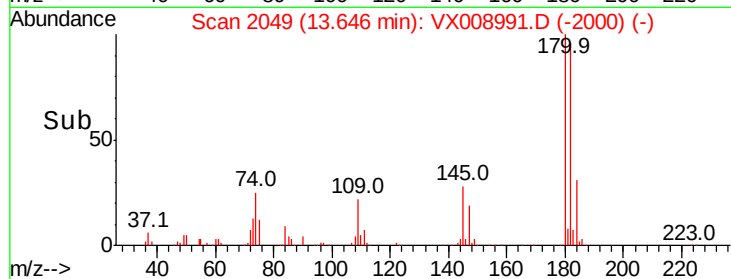
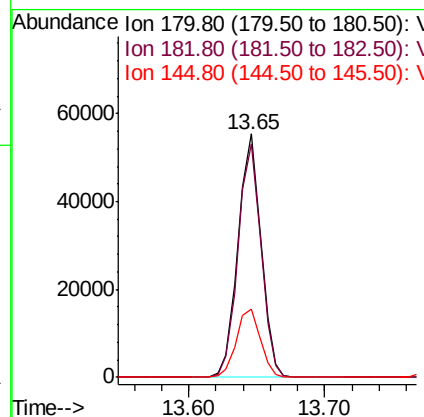
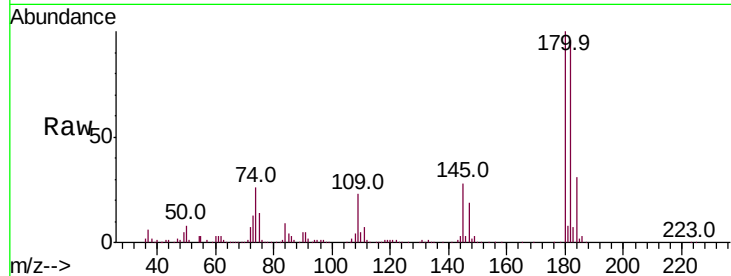
#93
 1,2,4-Trichlorobenzene
 Concen: 18.224 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65531		
182	95.5	47.6	142.9	
145	29.6	14.8	44.4	

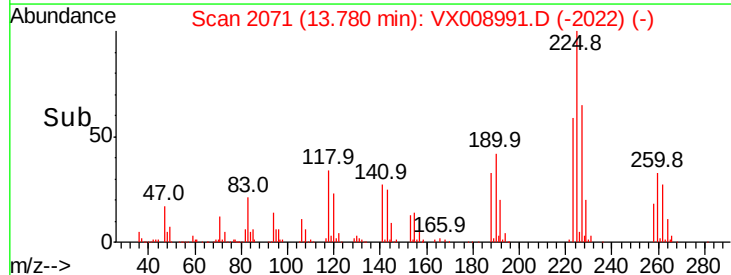
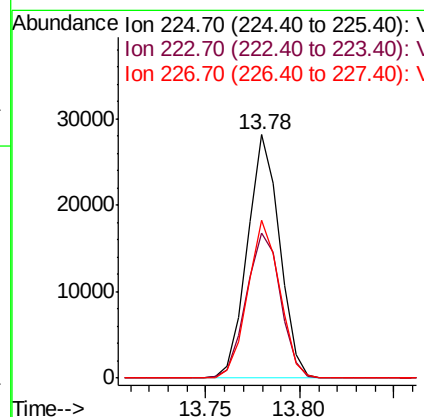
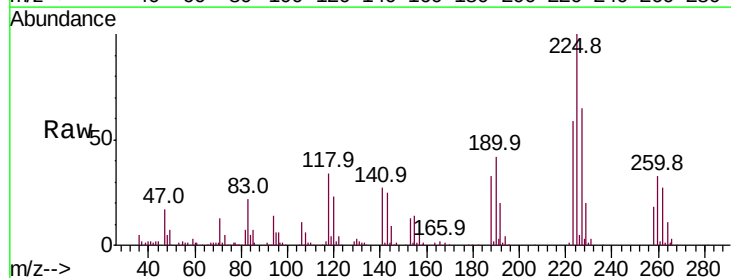
Manual Integrations
 APPROVED

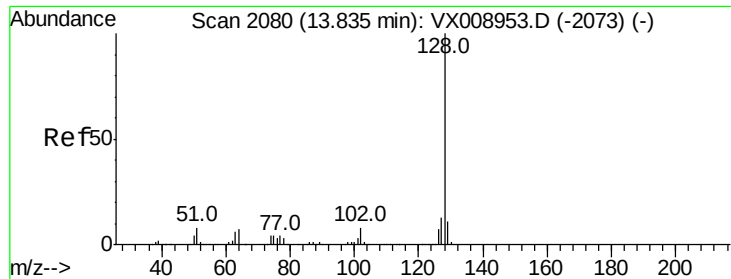
MMDadoda
 4/17/2019 9:58:57 AM



#94
 Hexachlorobutadiene
 Concen: 18.615 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008991.D
 Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	33384		
223	63.3	31.1	93.2	
227	64.5	32.0	96.2	





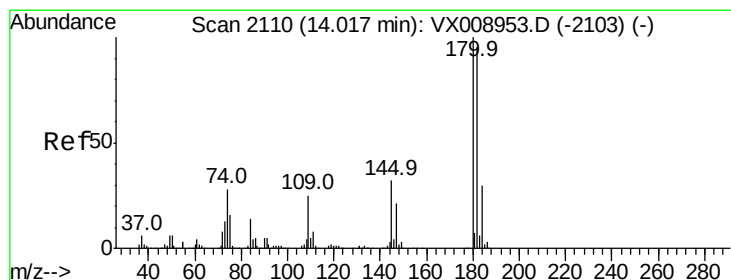
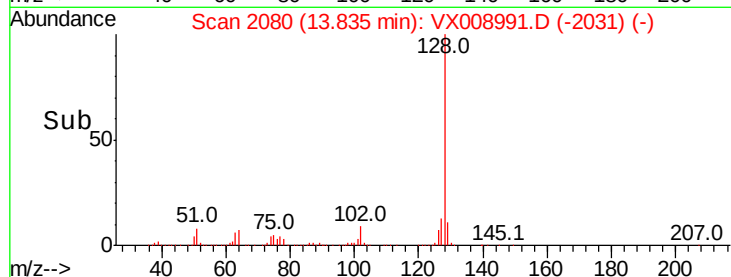
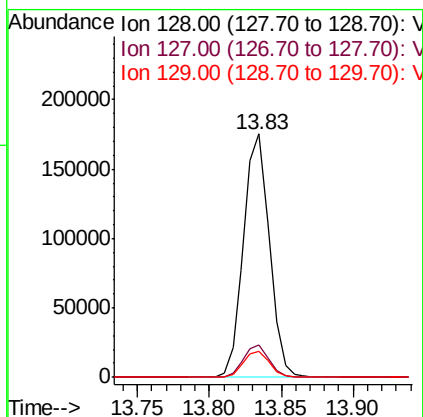
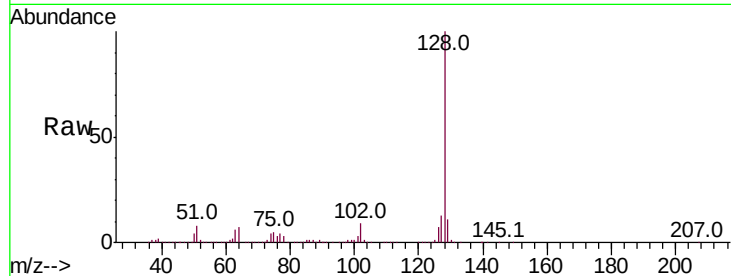
#95
Naphthalene
Concen: 18.998 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0416MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	218866		
127	13.2		10.6	16.0
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/17/2019 9:58:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.445 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008991.D
Acq: 16 Apr 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	65439		
182	96.7		47.8	143.4
145	32.4		15.8	47.3

