

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040619\
 Data File : VX008712.D
 Acq On : 06 Apr 2019 11:58
 Operator : JC/SP
 Sample : VX0406WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBS01

Manual Integrations
 APPROVED

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 4/9/2019 1:37:31 PM

Quant Time: Apr 08 03:20:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	192508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316611	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	135974	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	5.49	113	100428	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	8.71	98	407407	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.13	95	145185	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	35454	16.000	ug/l	99
3) Chloromethane	1.32	50	50447	17.477	ug/l	98
4) Vinyl Chloride	1.40	62	48258	16.110	ug/l	98
5) Bromomethane	1.64	94	24220	17.680	ug/l	98
6) Chloroethane	1.71	64	29225	15.793	ug/l	97
7) Trichlorofluoromethane	1.92	101	56185	16.968	ug/l	95
8) Diethyl Ether	2.19	74	26576	16.924	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	35701	16.746	ug/l	98
10) Methyl Iodide	2.51	142	28670	17.587	ug/l	99
11) Tert butyl alcohol	3.05	59	56605	86.111	ug/l	100
12) 1,1-Dichloroethene	2.37	96	36287	16.305	ug/l	98
13) Acrolein	2.29	56	45115	138.411	ug/l	100
14) Allyl chloride	2.73	41	84368	16.559	ug/l	100
15) Acrylonitrile	3.14	53	149954	86.109	ug/l	99
16) Acetone	2.45	43	143563	88.771	ug/l	99
17) Carbon Disulfide	2.57	76	104285	15.719	ug/l	99
18) Methyl Acetate	2.77	43	67004	17.083	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	139350	17.533	ug/l	100
20) Methylene Chloride	2.85	84	44591	16.472	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	39004	16.202	ug/l	94
22) Diisopropyl ether	3.85	45	169103	17.221	ug/l	91
23) Vinyl Acetate	3.81	43	749525	87.739	ug/l	100
24) 1,1-Dichloroethane	3.70	63	82632	16.996	ug/l	99
25) 2-Butanone	4.67	43	224428	87.801	ug/l	98
26) 2,2-Dichloropropane	4.58	77	57440	16.774	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	46322	16.736	ug/l	98
28) Bromochloromethane	5.01	49	45321	20.532	ug/l	100
29) Tetrahydrofuran	5.13	42	145261	85.622	ug/l	100
30) Chloroform	5.21	83	74214	17.090	ug/l	98
31) Cyclohexane	5.58	56	79694	16.427	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	60788	17.323	ug/l	99
36) 1,1-Dichloropropene	5.80	75	57331	16.565	ug/l	99
37) Ethyl Acetate	4.83	43	83622	18.102	ug/l	99
38) Carbon Tetrachloride	5.79	117	49047	17.123	ug/l	100

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Manual Integrations
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 4/9/2019 1:37:31 PM

Quant Time: Apr 08 03:20:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71059	16.621	ug/l	98
40) Benzene	6.14	78	176673	17.135	ug/l	100
41) Methacrylonitrile	5.04	41	46376	17.465	ug/l	100
42) 1,2-Dichloroethane	6.19	62	63756	17.249	ug/l	100
43) Isopropyl Acetate	6.45	43	128274	17.726	ug/l	100
44) Trichloroethene	7.21	130	41272	17.187	ug/l	91
45) 1,2-Dichloropropane	7.51	63	51142	17.379	ug/l	100
46) Dibromomethane	7.66	93	29127	17.065	ug/l	99
47) Bromodichloromethane	7.90	83	55851	17.355	ug/l	98
48) Methyl methacrylate	7.77	41	64173	17.531	ug/l	99
49) 1,4-Dioxane	7.74	88	23975	349.625	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	423496	90.910	ug/l	100
52) Toluene	8.78	92	106873	17.582	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	62226	17.262	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	70710	17.166	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	43331	17.759	ug/l	98
56) Ethyl methacrylate	9.18	69	79345	17.973	ug/l	100
57) 1,3-Dichloropropane	9.37	76	76493	17.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	206821	91.749	ug/l	99
59) 2-Hexanone	9.49	43	324104	89.525	ug/l	100
60) Dibromochloromethane	9.58	129	41033	17.847	ug/l	99
61) 1,2-Dibromoethane	9.67	107	44399	17.479	ug/l	99
64) Tetrachloroethene	9.34	164	36169	17.410	ug/l	97
65) Chlorobenzene	10.14	112	108410	17.442	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	38318	17.573	ug/l	99
67) Ethyl Benzene	10.25	91	200813	17.326	ug/l	99
68) m/p-Xylenes	10.36	106	144840	34.757	ug/l	100
69) o-Xylene	10.69	106	71010	17.583	ug/l	99
70) Styrene	10.71	104	122770	17.636	ug/l	100
71) Bromoform	10.85	173	29366	17.633	ug/l #	99
73) Isopropylbenzene	11.02	105	189456	17.885	ug/l	100
74) N-amyl acetate	10.90	43	109564	17.580	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	70644	17.535	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	61663m	17.561	ug/l	
77) Bromobenzene	11.26	156	45256	17.771	ug/l	99
78) n-propylbenzene	11.36	91	215992	17.511	ug/l	100
79) 2-Chlorotoluene	11.42	91	130375	17.467	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	158991	17.880	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	22059	17.317	ug/l	95
82) 4-Chlorotoluene	11.51	91	148467	17.184	ug/l	99
83) tert-Butylbenzene	11.77	119	150963	17.647	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	159967	17.767	ug/l	99
85) sec-Butylbenzene	11.94	105	181061	17.818	ug/l	99
86) p-Isopropyltoluene	12.06	119	162066	17.769	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	77733	17.050	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	78029	16.902	ug/l	98
89) n-Butylbenzene	12.38	91	147776	17.277	ug/l	100
90) Hexachloroethane	12.60	117	26857	17.754	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	78624	17.370	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15365	17.337	ug/l	95

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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
VX0406WBS01

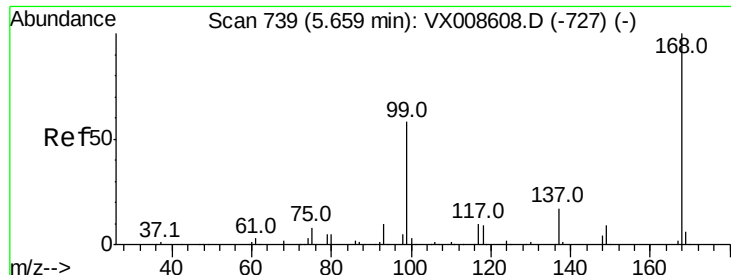
Manual Integrations
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4/9/2019 1:37:31 PM

Quant Time: Apr 08 03:20:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53542	17.012	ug/l	99
94) Hexachlorobutadiene	13.78	225	27082	17.943	ug/l	98
95) Naphthalene	13.83	128	178600	16.979	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52429	16.673	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. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion:168 Resp: 192508

Ion Ratio Lower Upper

168 100

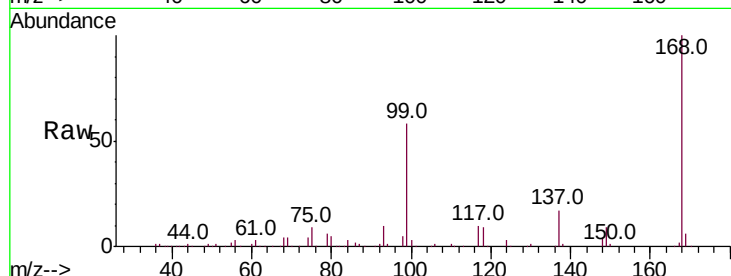
99 58.3 46.7 70.1

Manual Integrations

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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

60000

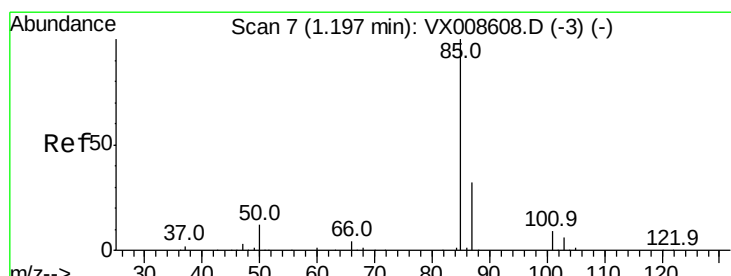
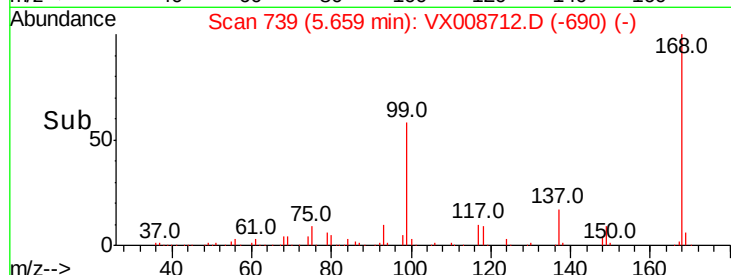
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.000 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008712.D

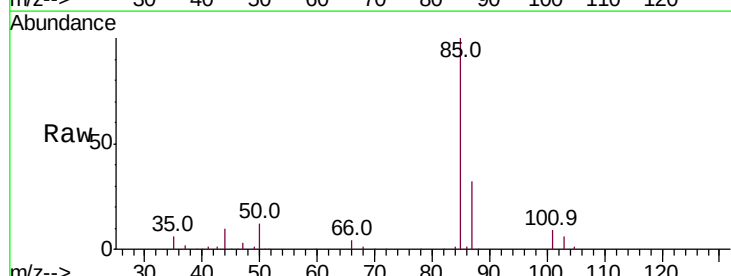
Acq: 06 Apr 2019 11:58

Tgt Ion: 85 Resp: 35454

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

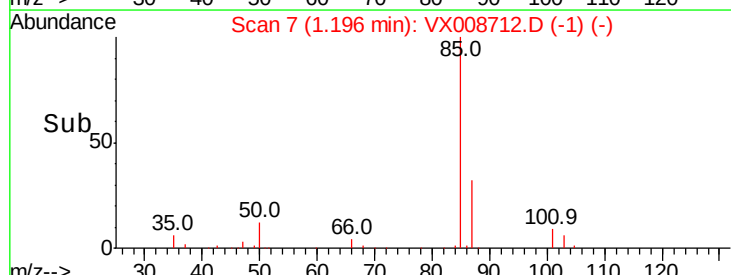
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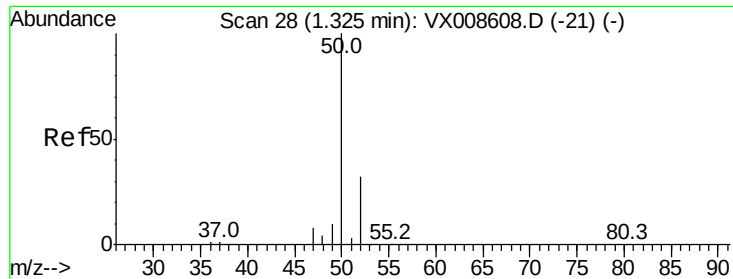
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.477 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion: 50 Resp: 50447

Ion Ratio Lower Upper

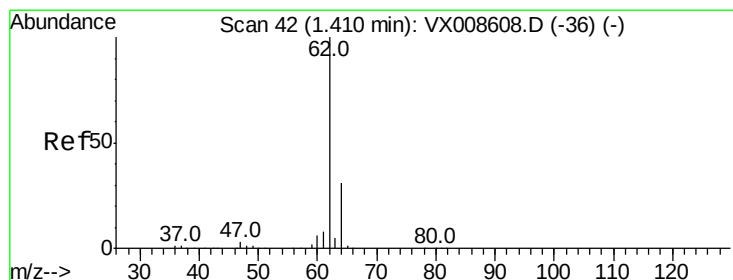
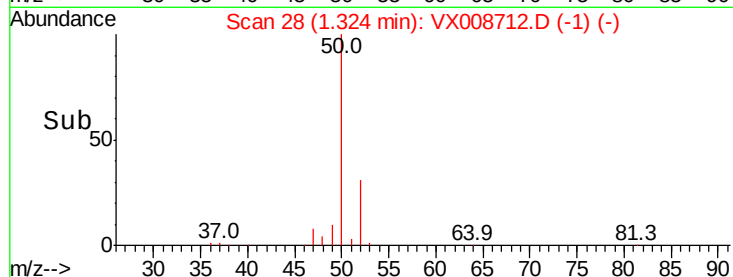
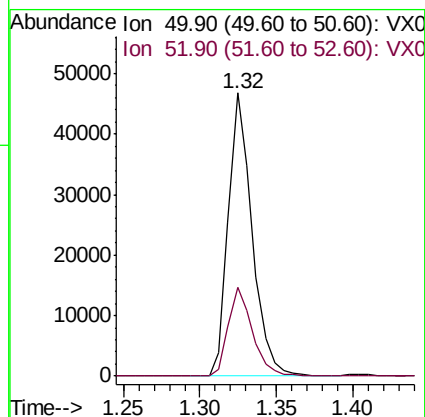
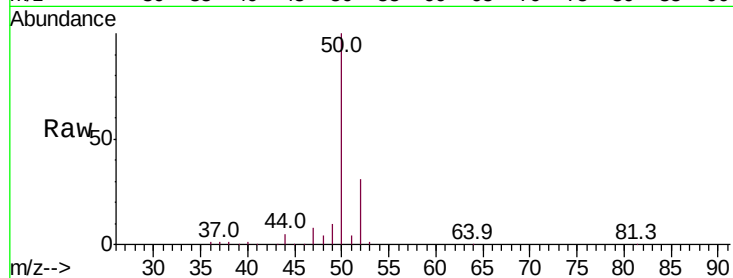
50 100

52 31.4 25.8 38.8

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#4

Vinyl Chloride

Concen: 16.110 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008712.D

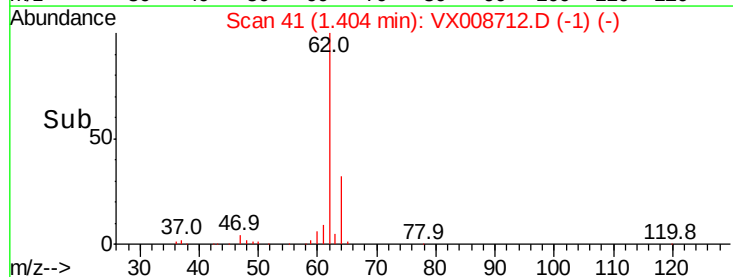
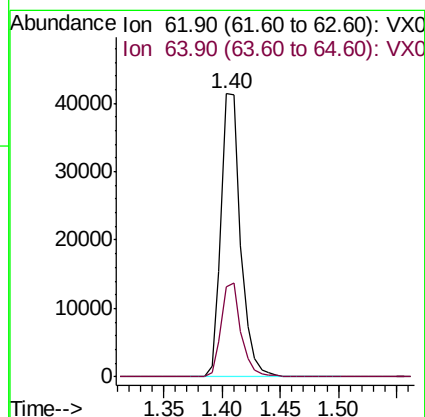
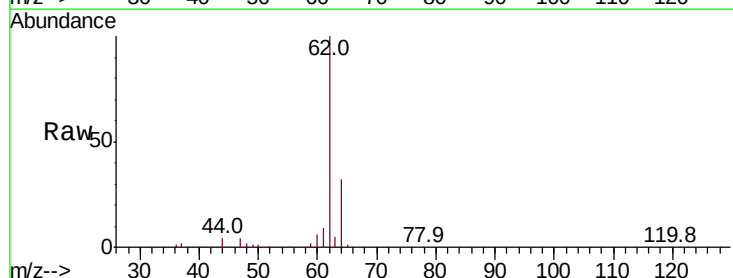
Acq: 06 Apr 2019 11:58

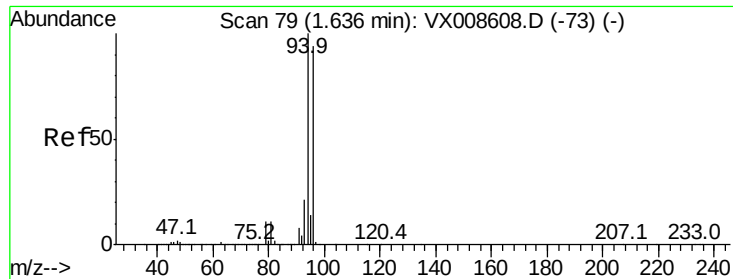
Tgt Ion: 62 Resp: 48258

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 17.680 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion: 94 Resp: 24220

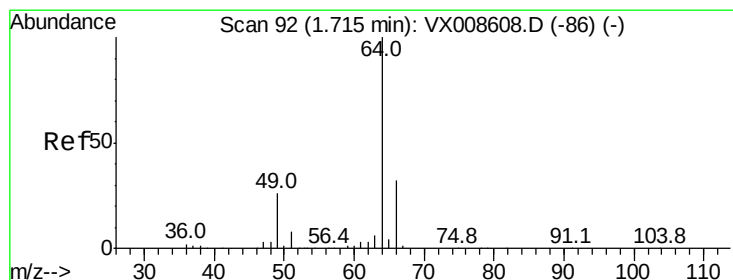
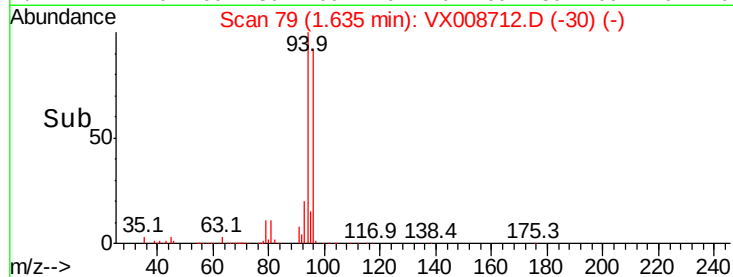
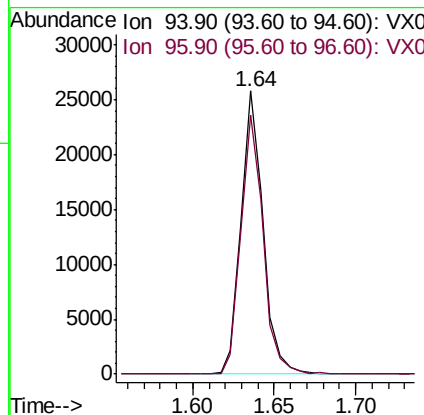
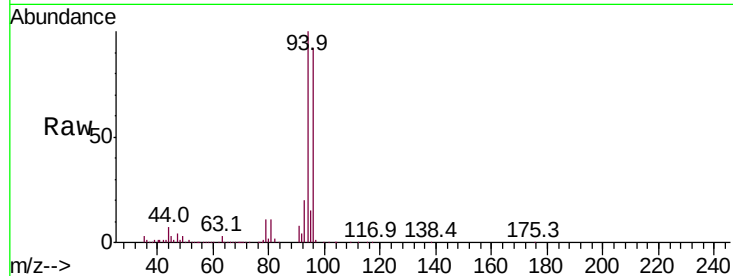
Ion Ratio Lower Upper

94 100

96 91.7 75.2 112.8

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#6

Chloroethane

Concen: 15.793 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008712.D

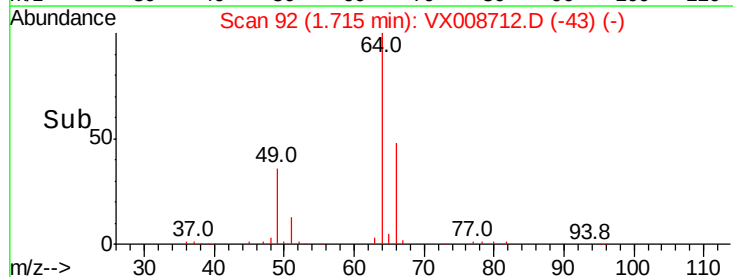
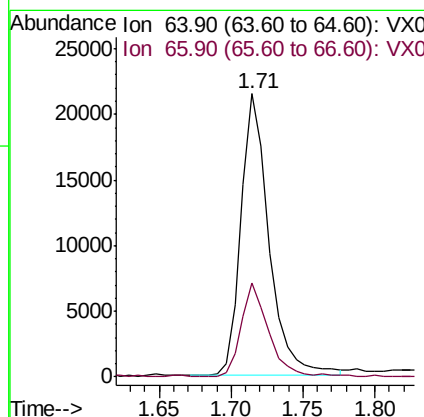
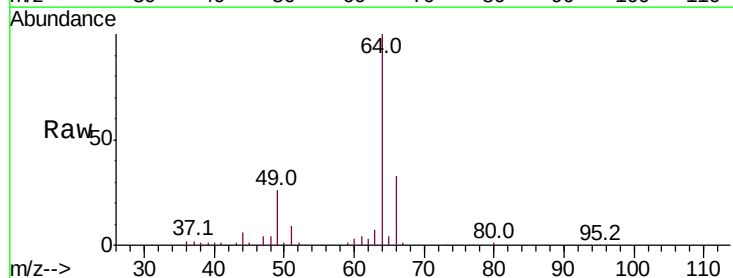
Acq: 06 Apr 2019 11:58

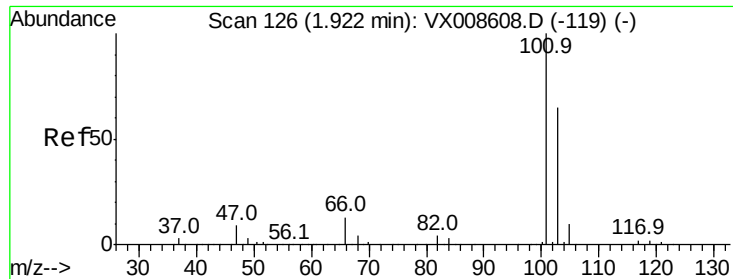
Tgt Ion: 64 Resp: 29225

Ion Ratio Lower Upper

64 100

66 33.2 25.4 38.0





#7

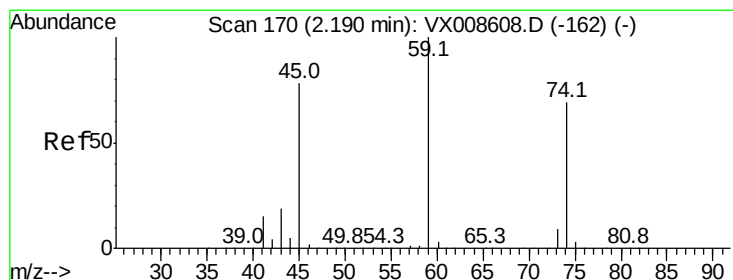
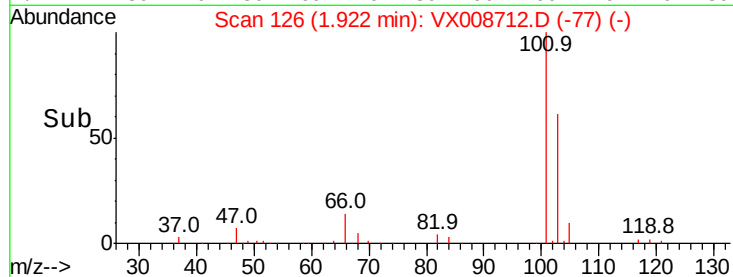
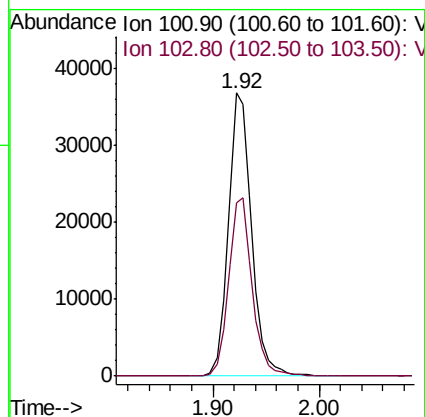
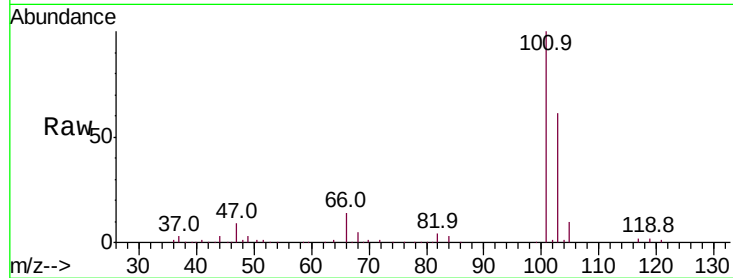
Trichlorofluoromethane
Concen: 16.968 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
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ClientSampleId :
VX0406WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	52.3	78.5

Manual Integrations
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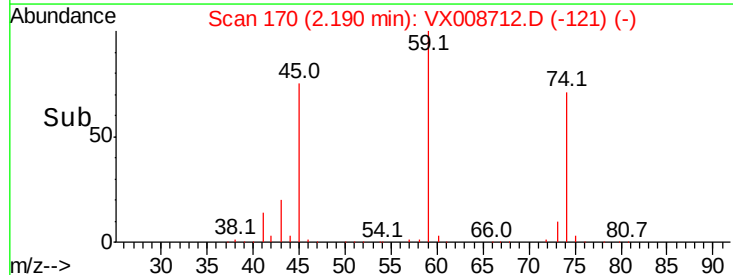
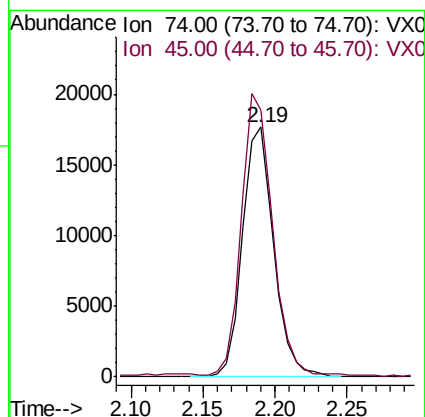
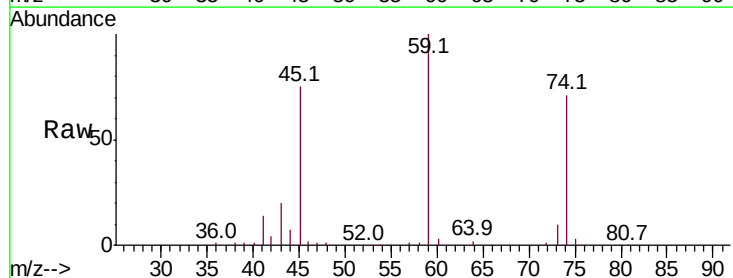
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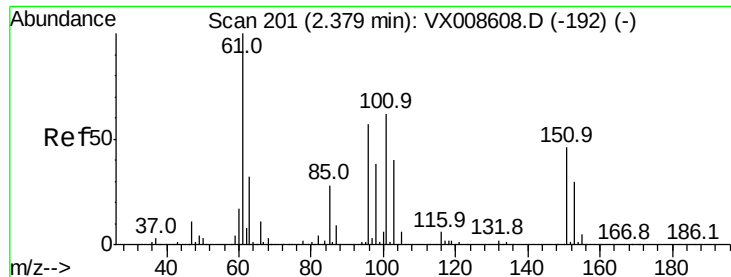


#8

Diethyl Ether
Concen: 16.924 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.8	56.5	169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.746 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

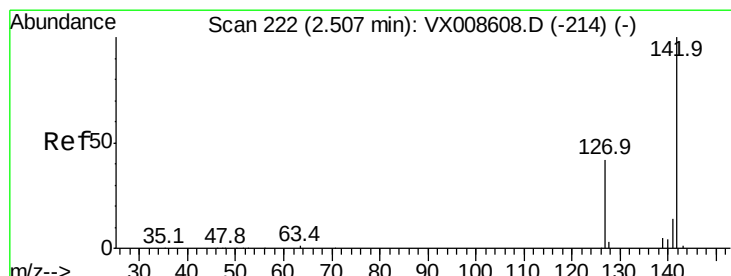
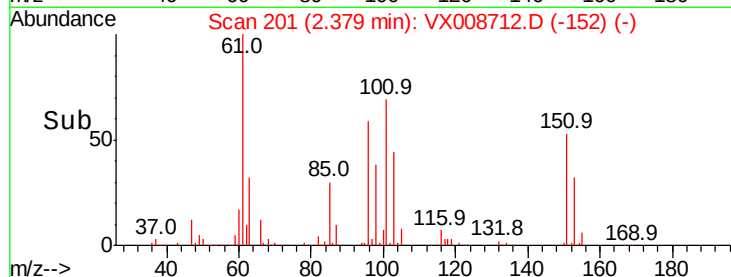
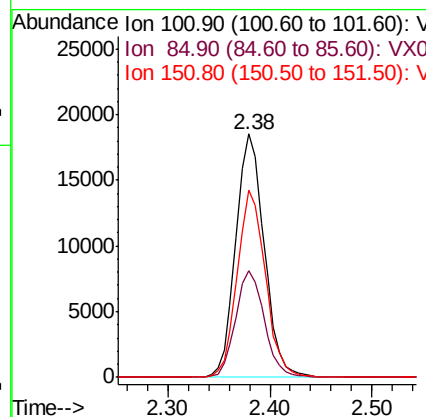
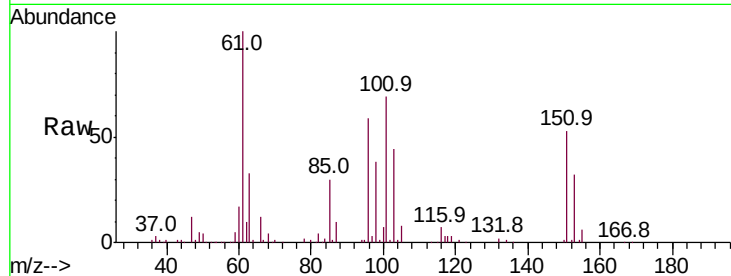
ClientSampleId :

VX0406WBS01

Tot Ion:	101	Resp:	35701
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.0	54.0
151	76.2	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 17.587 ug/l

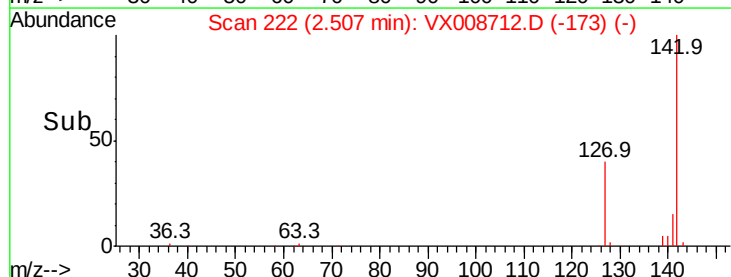
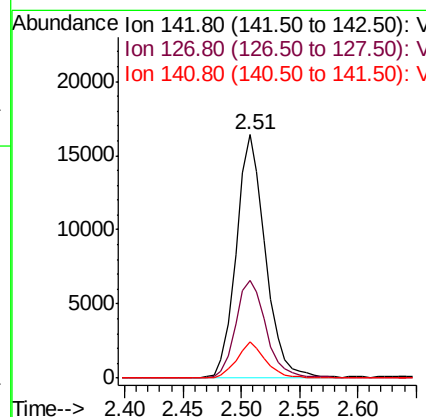
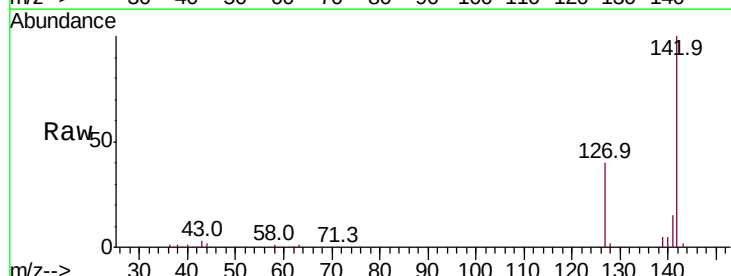
RT: 2.51 min Scan# 222

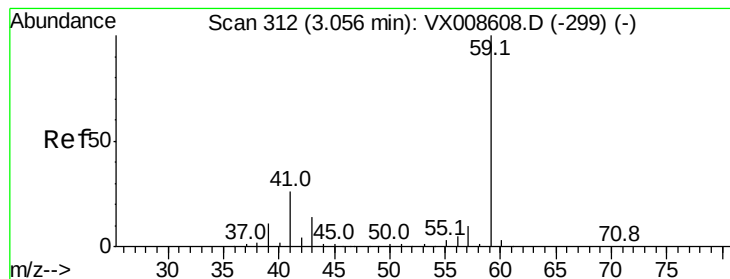
Delta R.T. 0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Tgt Ion:	142	Resp:	28670
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.0	49.6
141	14.6	11.4	17.2





#11

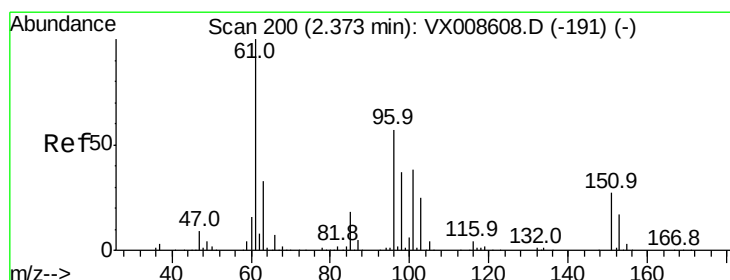
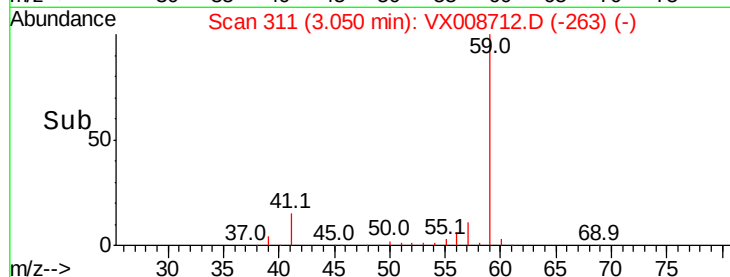
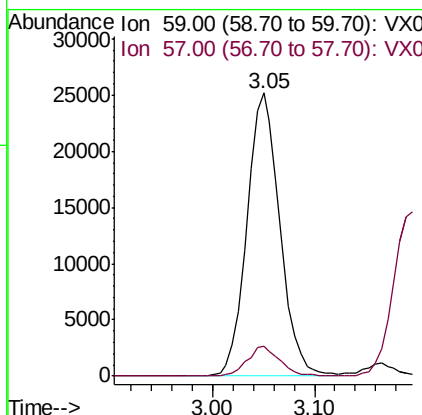
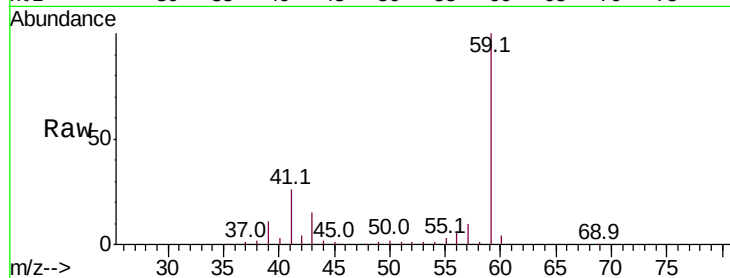
Tert butyl alcohol
Concen: 86.111 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

Manual Integrations
APPROVED

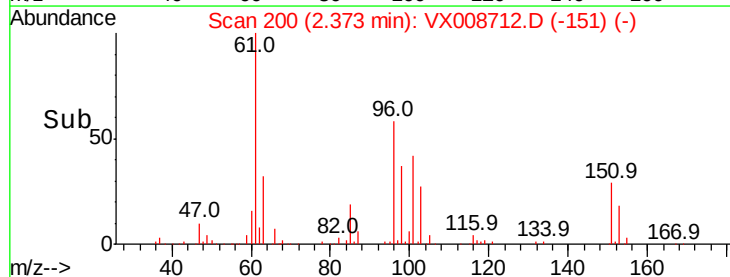
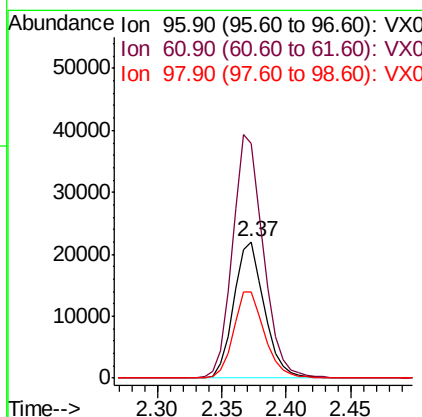
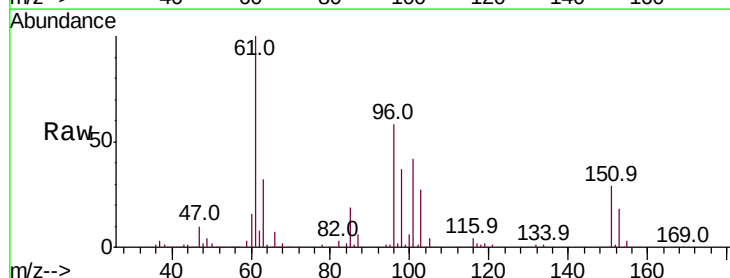
MMDadoda
4/9/2019 1:37:31 PM

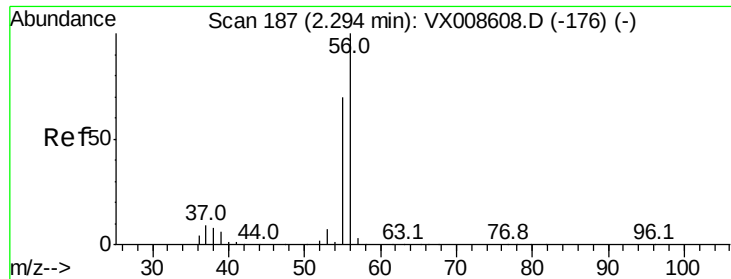


#12

1,1-Dichloroethene
Concen: 16.305 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.7	140.9	211.3
98	63.3	52.1	78.1





#13

Acrolein

Concen: 138.411 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion: 56 Resp: 45115

Ion Ratio Lower Upper

56 100

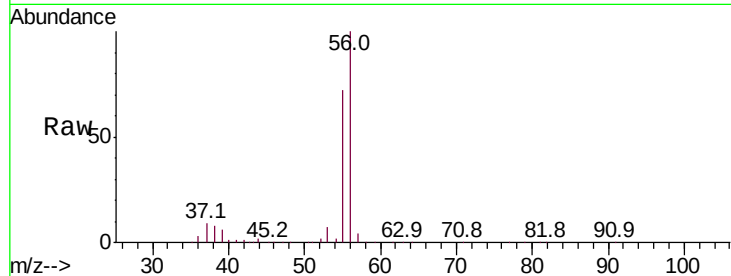
55 72.3 58.0 87.0

Manual Integrations

APPROVED

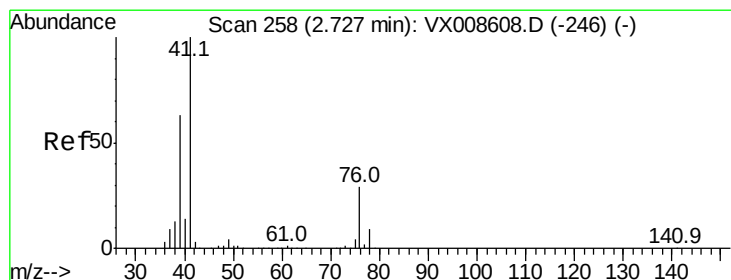
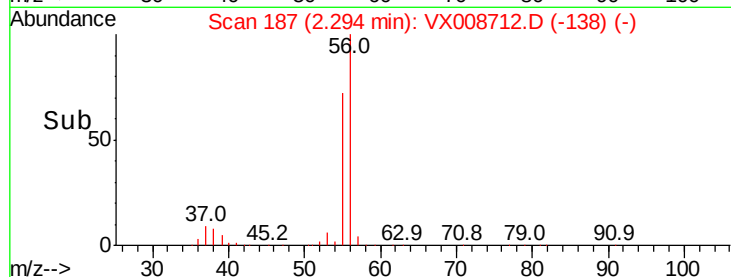
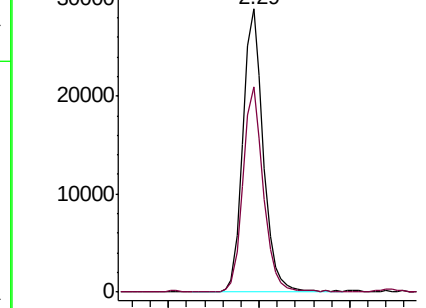
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 16.559 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

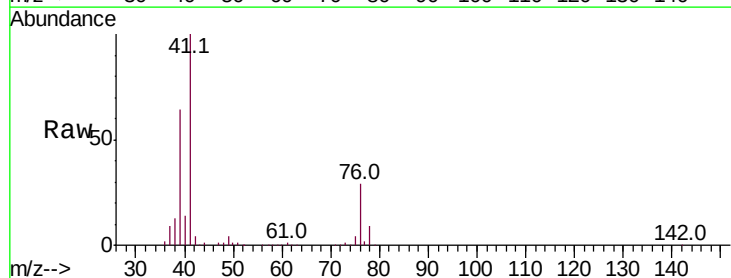
Tgt Ion: 41 Resp: 84368

Ion Ratio Lower Upper

41 100

39 60.1 48.0 72.0

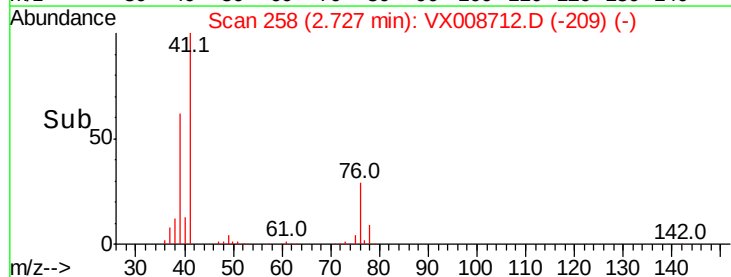
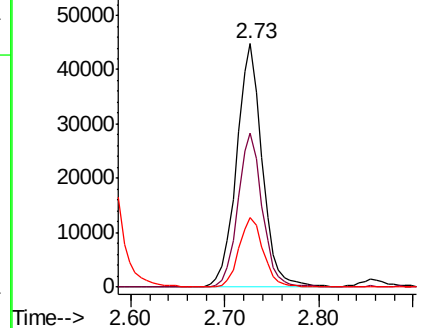
76 27.0 22.0 33.0

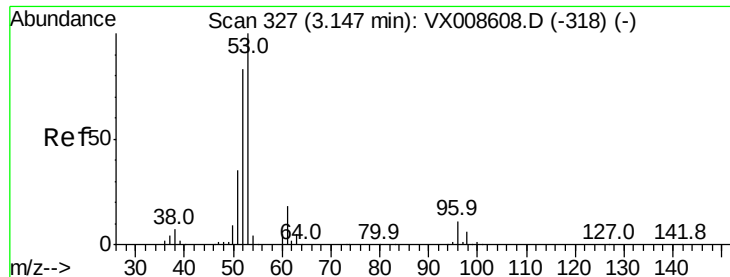


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 86.109 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

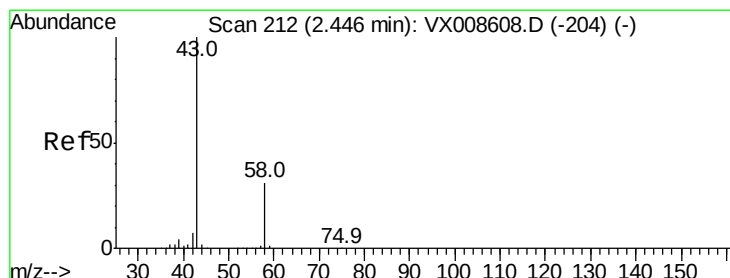
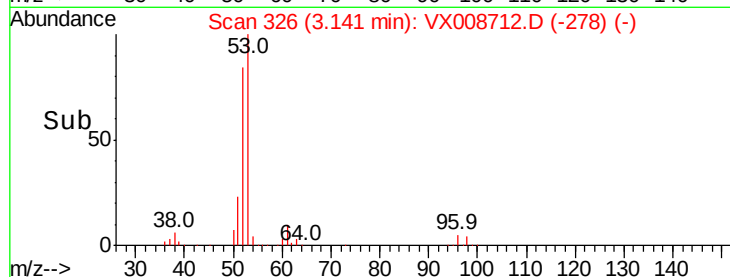
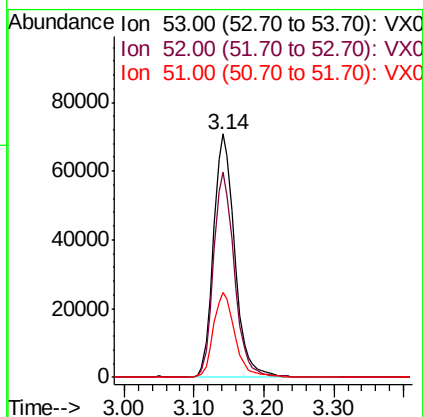
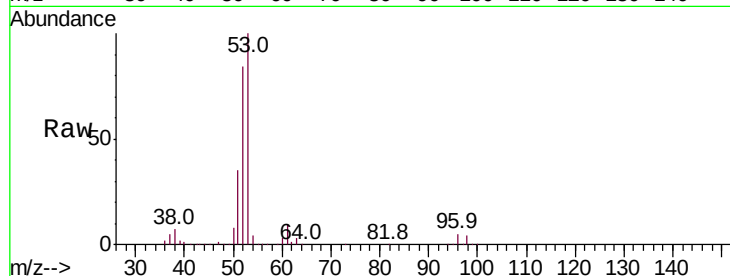
ClientSampleId :

VX0406WBS01

Tot Ion:	53	Resp:	149954
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.5	99.7
51	35.2	28.6	42.8

Manual Integrations
APPROVED

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#16

Acetone

Concen: 88.771 ug/l

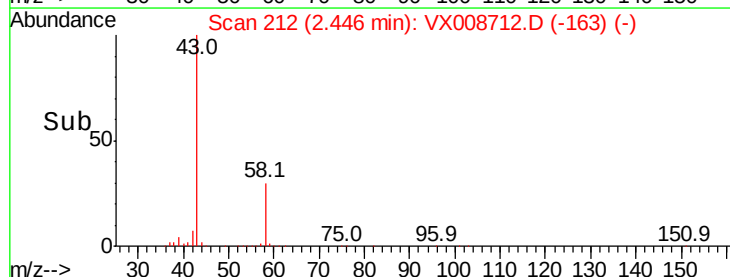
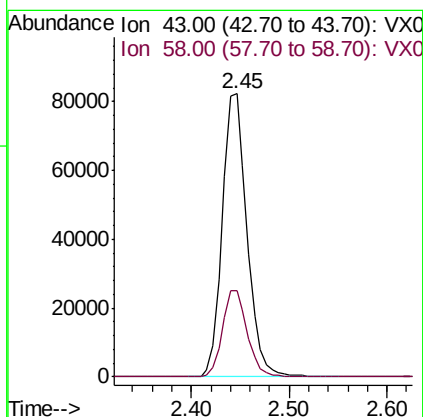
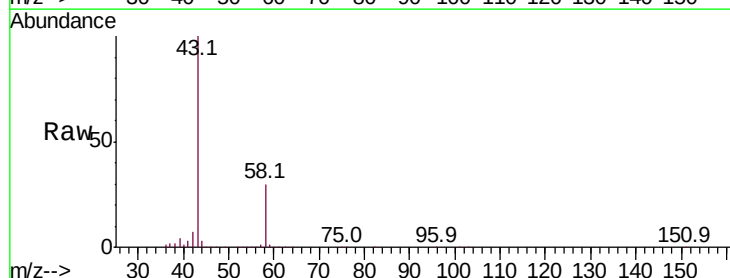
RT: 2.45 min Scan# 212

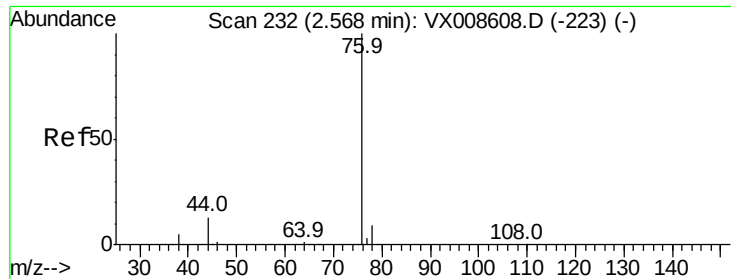
Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Tgt Ion:	43	Resp:	143563
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.8	37.2





#17

Carbon Disulfide

Concen: 15.719 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion: 76 Resp: 104285

Ion Ratio Lower Upper

76 100

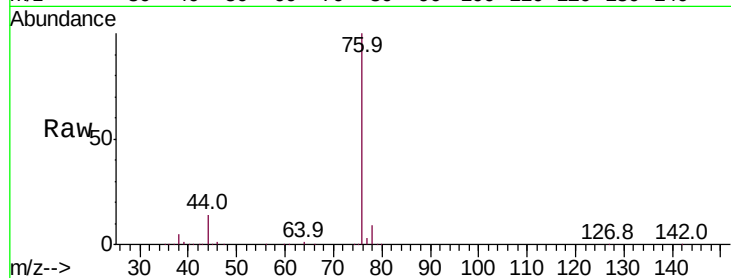
78 9.3 7.1 10.7

Manual Integrations

APPROVED

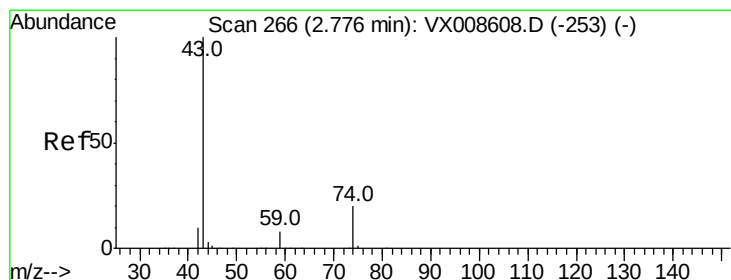
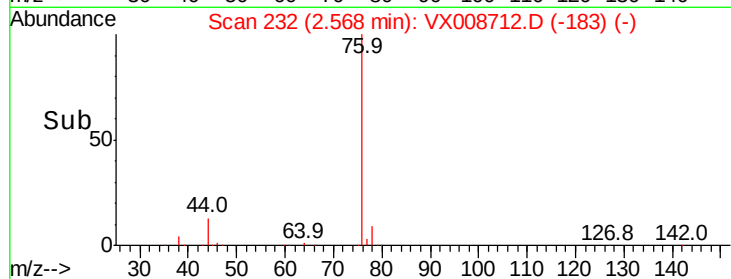
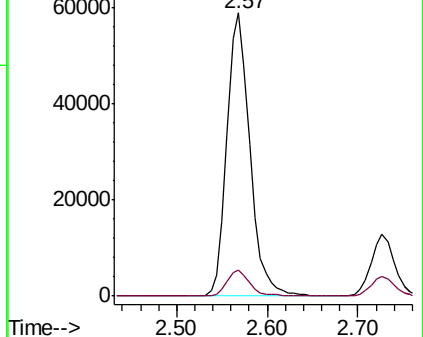
MMDadoda

4/9/2019 1:37:31 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.083 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008712.D

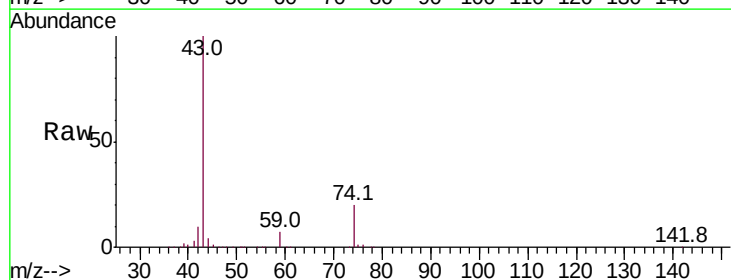
Acq: 06 Apr 2019 11:58

Tgt Ion: 43 Resp: 67004

Ion Ratio Lower Upper

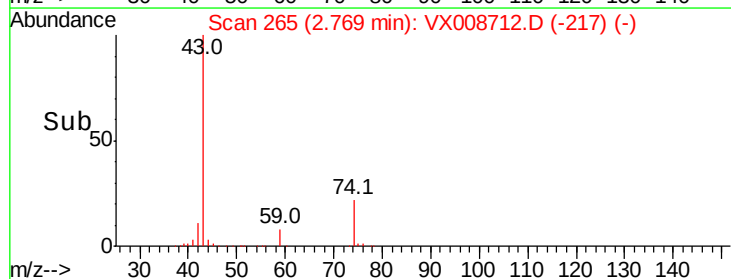
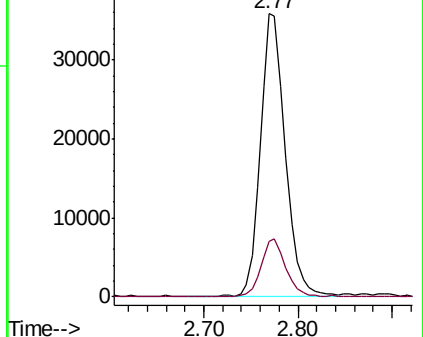
43 100

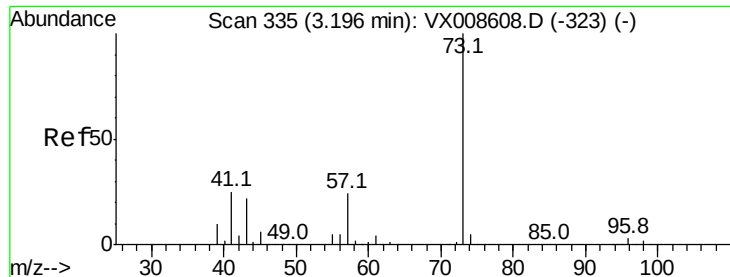
74 20.6 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





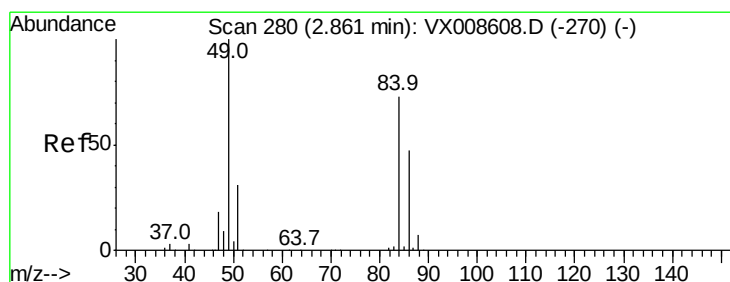
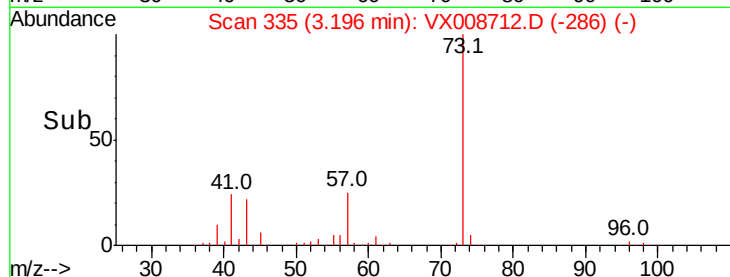
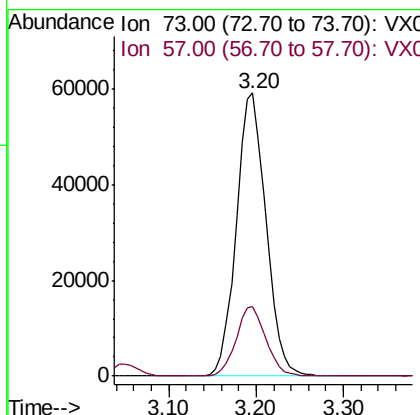
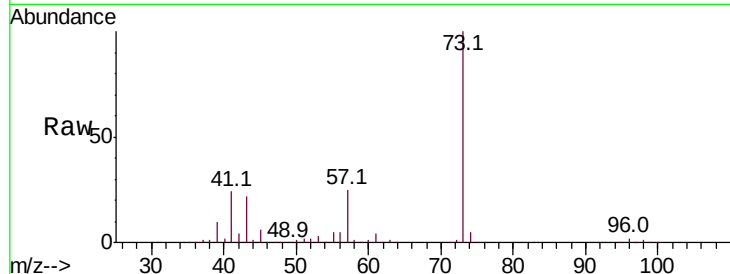
#19
Methyl tert-butyl Ether
Concen: 17.533 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion: 73 Resp: 139350
Ion Ratio Lower Upper
73 100
57 24.6 19.5 29.3

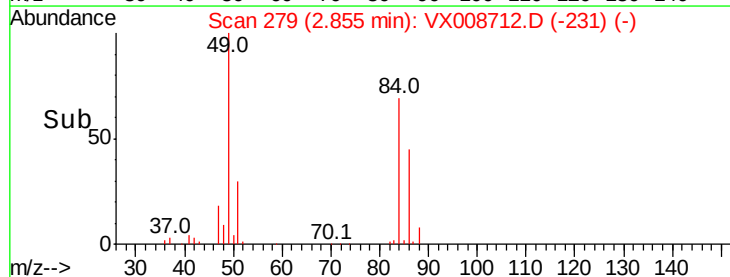
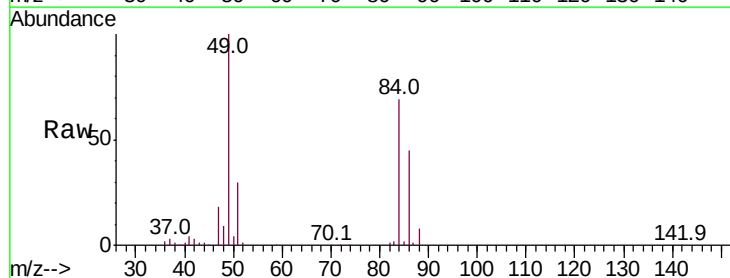
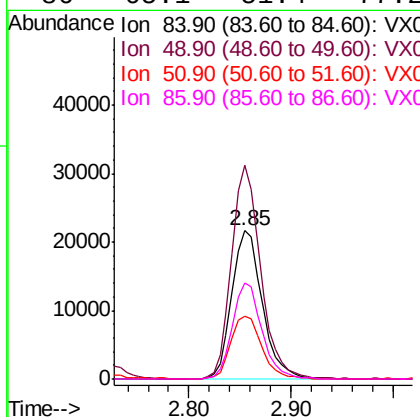
Manual Integrations
APPROVED

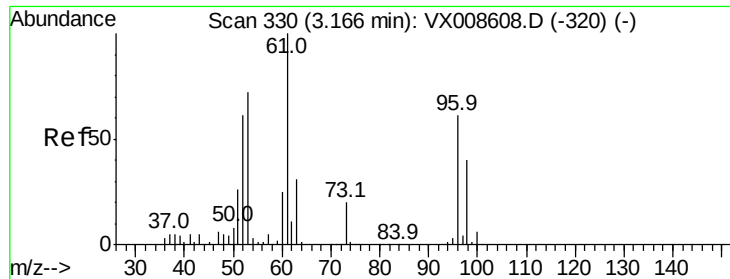
MMDadoda
4/9/2019 1:37:31 PM



#20
Methylene Chloride
Concen: 16.472 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion: 84 Resp: 44591
Ion Ratio Lower Upper
84 100
49 143.9 109.7 164.5
51 42.4 33.6 50.4
86 65.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 16.202 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion: 96 Resp: 39004

Ion Ratio Lower Upper

96 100

61 156.1 132.1 198.1

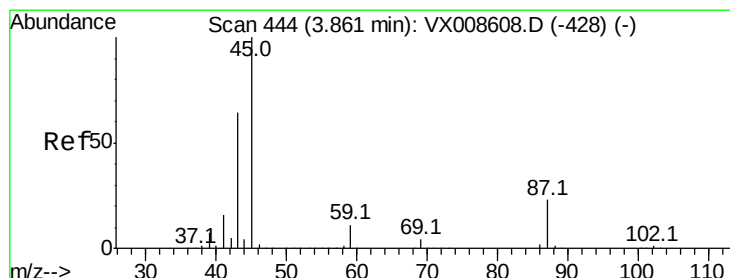
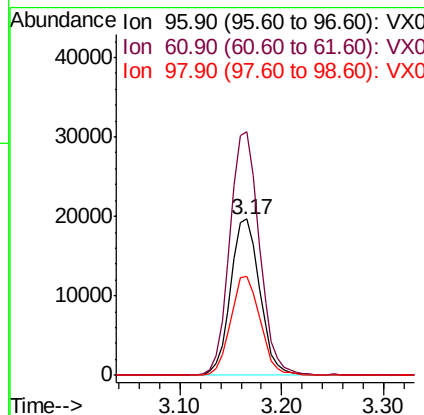
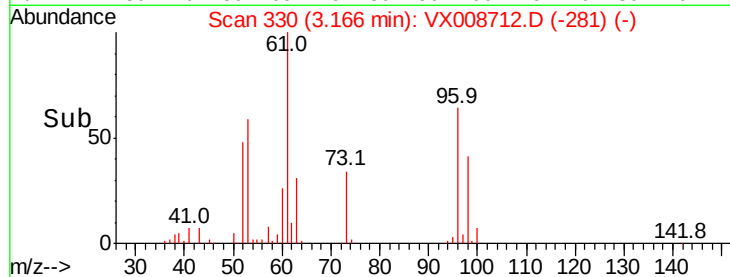
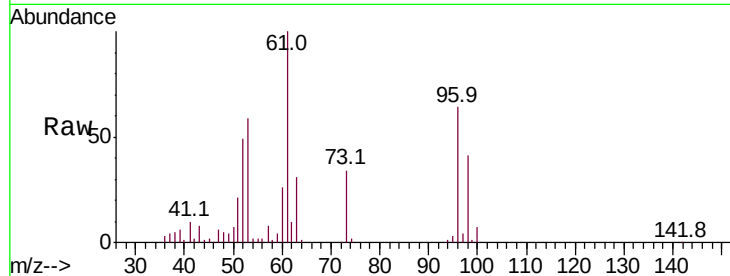
98 63.2 52.2 78.2

Manual Integrations

APPROVED

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4/9/2019 1:37:31 PM



#22

Diisopropyl ether

Concen: 17.221 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Tgt Ion: 45 Resp: 169103

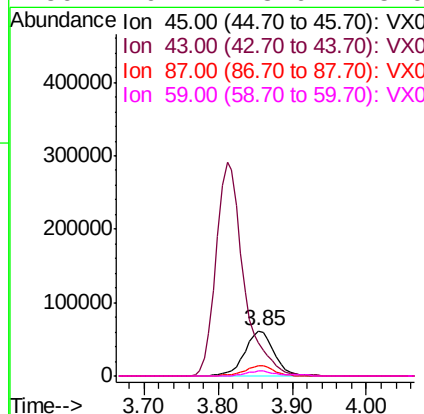
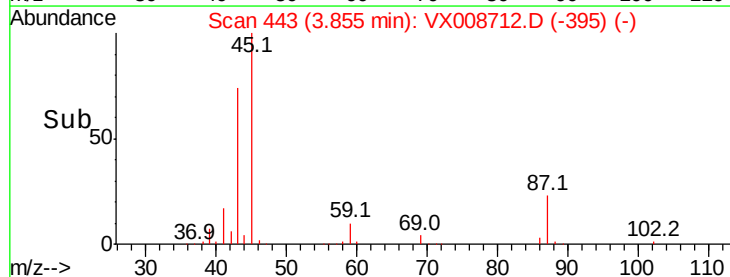
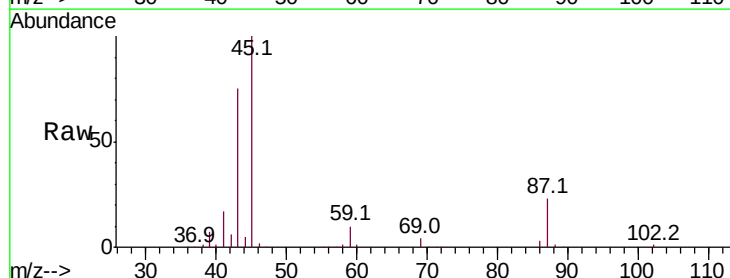
Ion Ratio Lower Upper

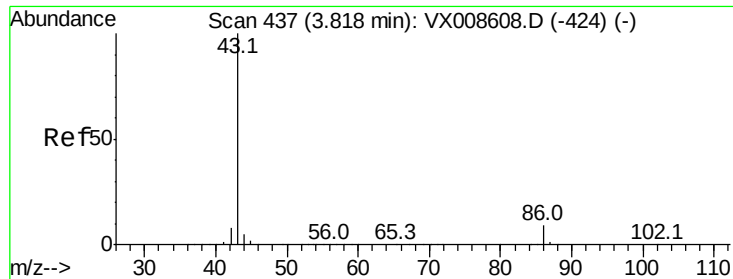
45 100

43 74.0 51.3 76.9

87 22.7 18.1 27.1

59 10.4 8.6 13.0





#23

Vinyl Acetate

Concen: 87.739 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion: 43 Resp: 749525

Ion Ratio Lower Upper

43 100

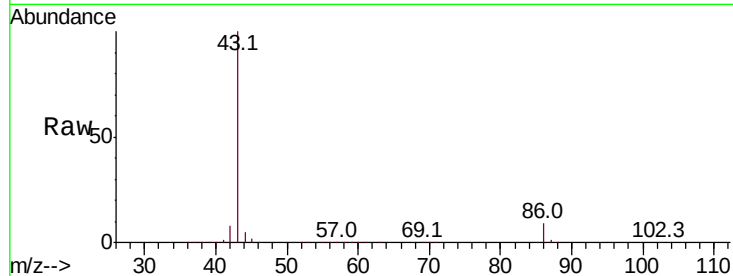
86 8.6 7.0 10.6

Manual Integrations

APPROVED

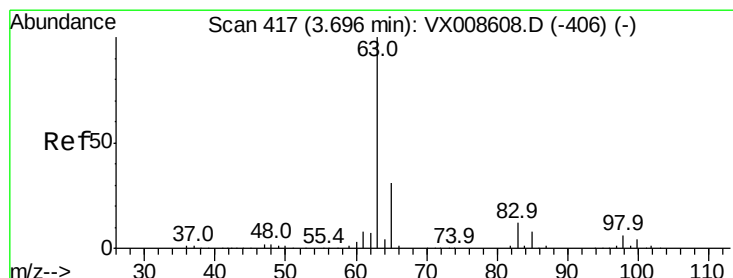
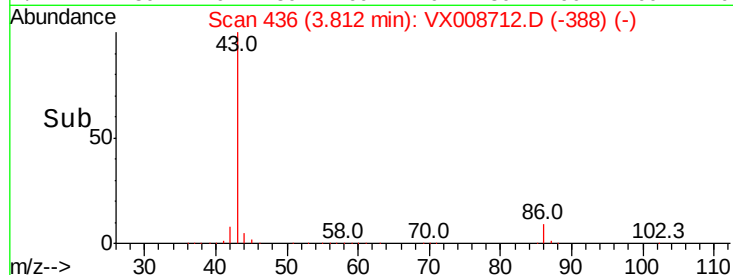
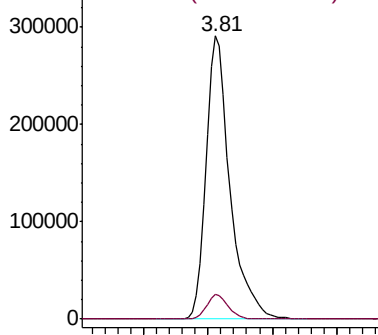
MMDadoda

4/9/2019 1:37:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 16.996 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

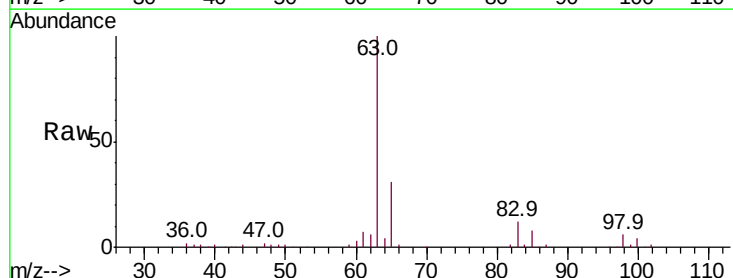
Tgt Ion: 63 Resp: 82632

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

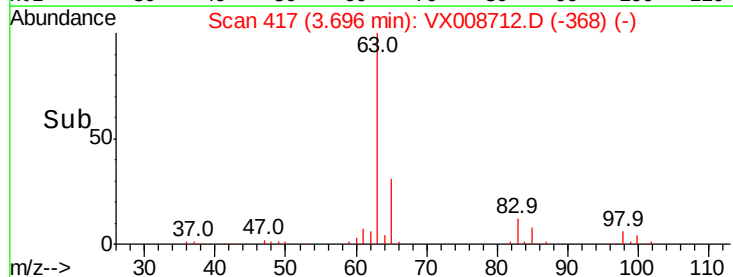
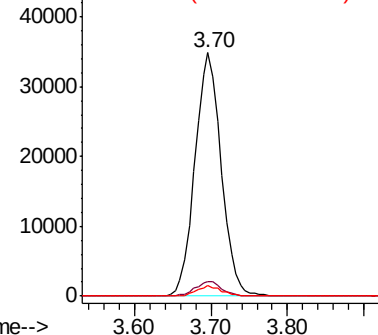
100 4.4 1.8 5.5

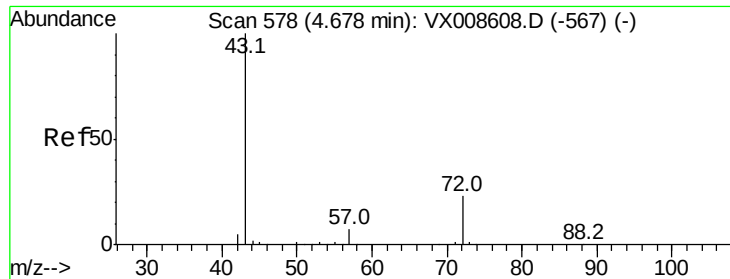


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 87.801 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion: 43 Resp: 224428

Ion Ratio Lower Upper

43 100

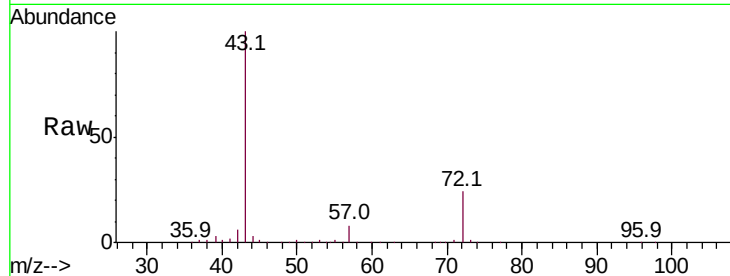
72 23.6 18.2 27.4

Manual Integrations

APPROVED

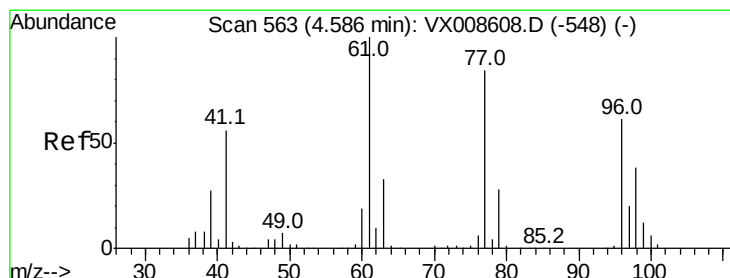
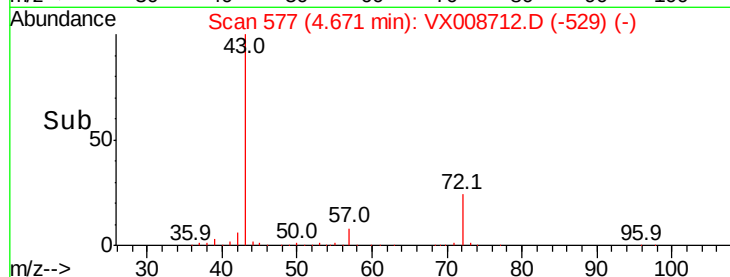
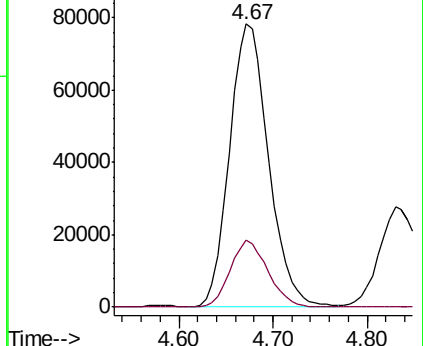
MMDadoda

4/9/2019 1:37:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.774 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008712.D

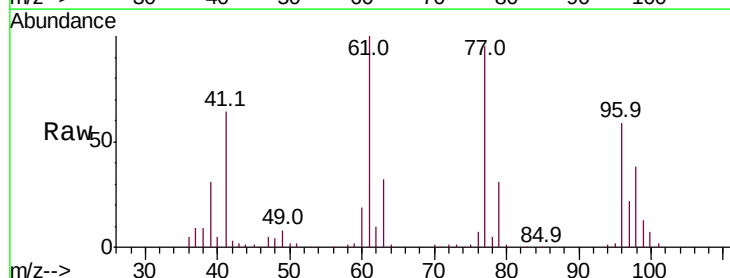
Acq: 06 Apr 2019 11:58

Tgt Ion: 77 Resp: 57440

Ion Ratio Lower Upper

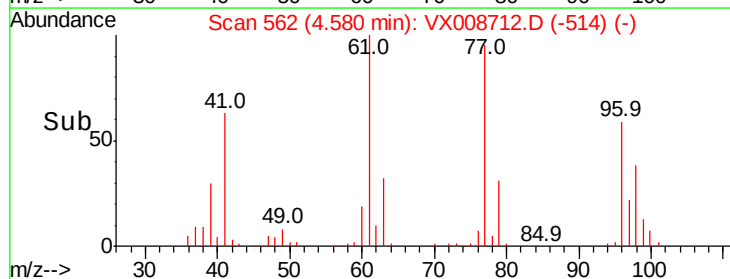
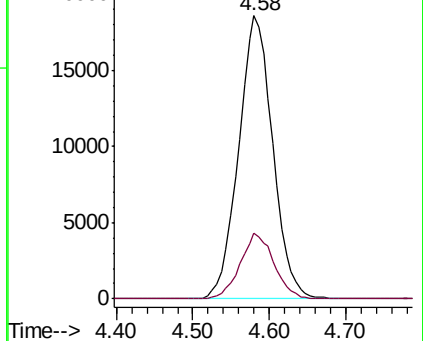
77 100

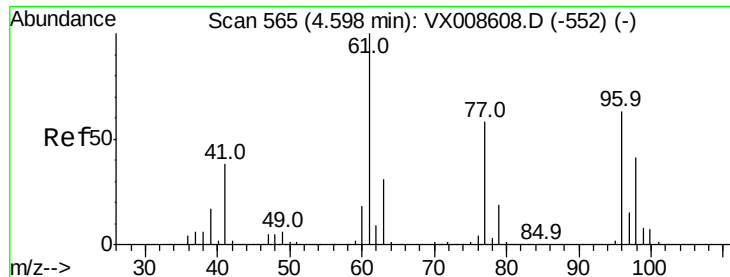
97 23.0 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

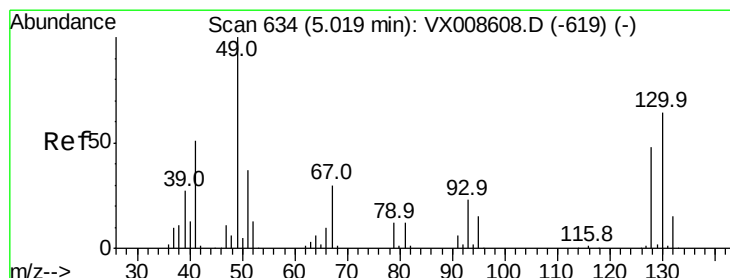
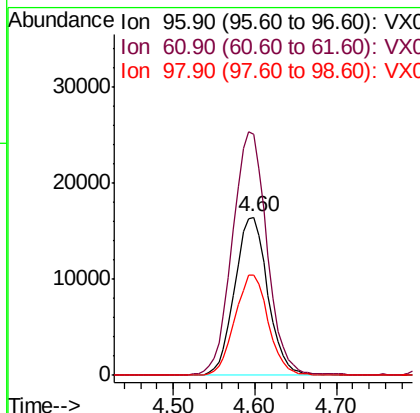
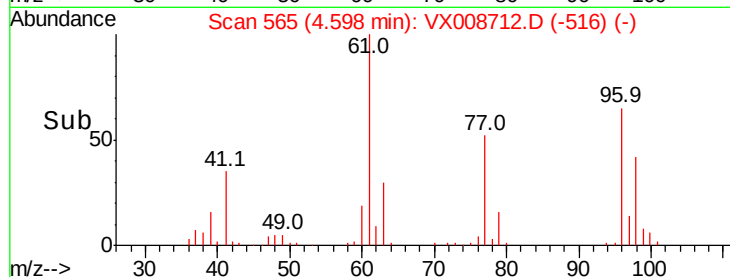
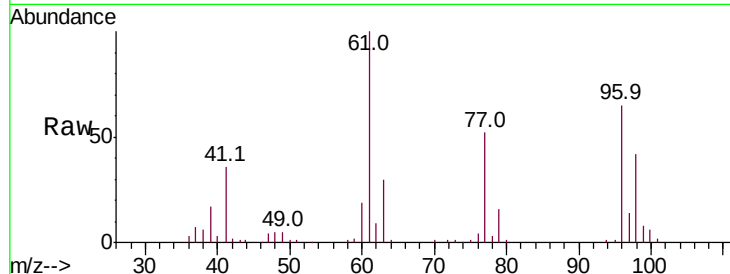
cis-1,2-Dichloroethene
 Concen: 16.736 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	327.6
98	64.3	0.0	128.6

Manual Integrations
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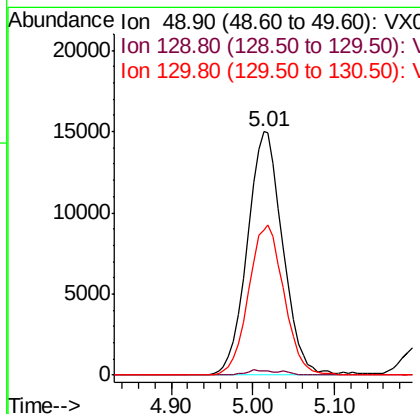
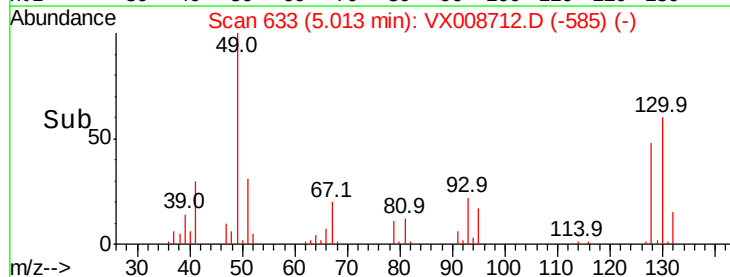
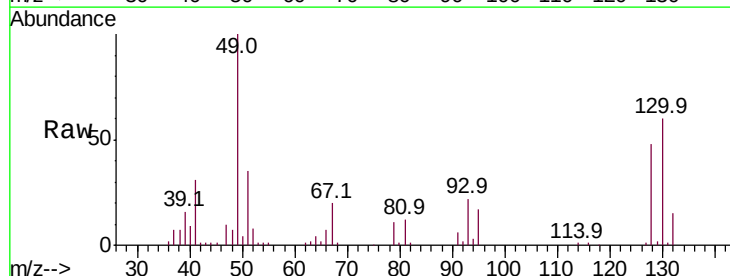
MMDadoda
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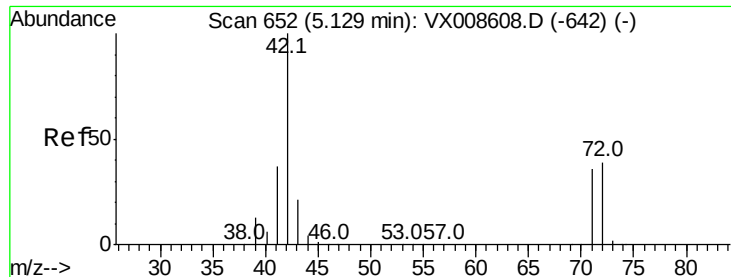


#28

Bromochloromethane
 Concen: 20.532 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	61.4	49.3	73.9





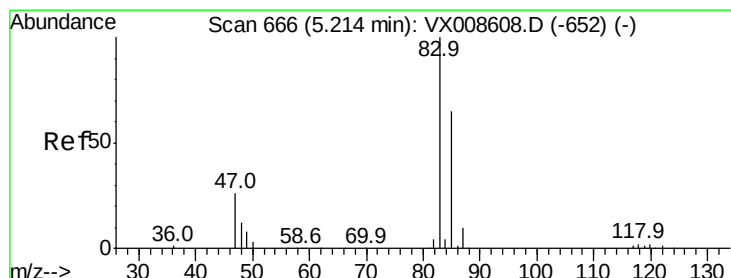
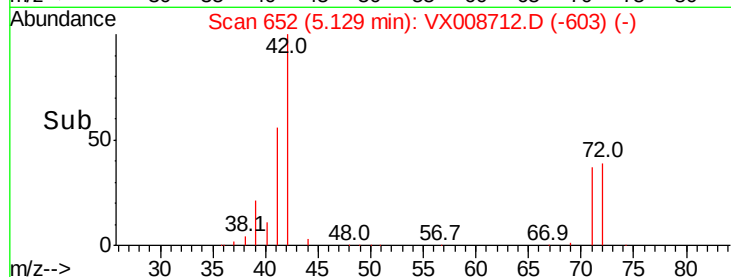
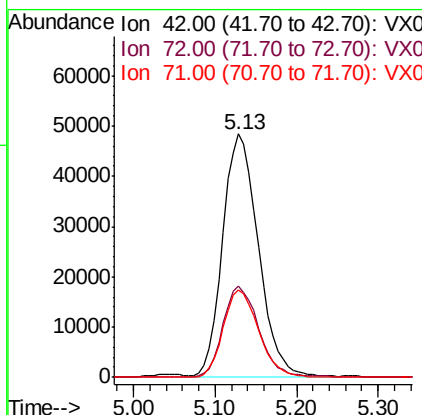
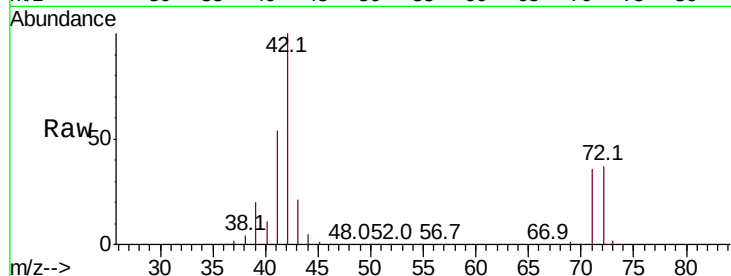
#29
Tetrahydrofuran
Concen: 85.622 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.5	45.7
71	36.1	28.6	43.0

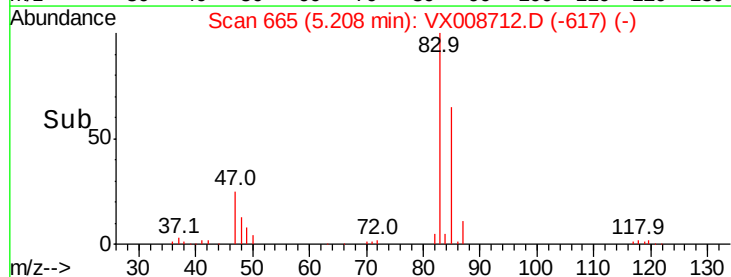
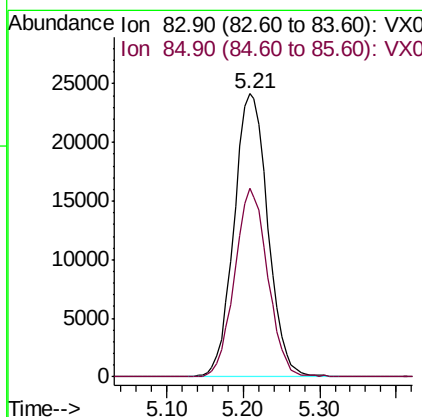
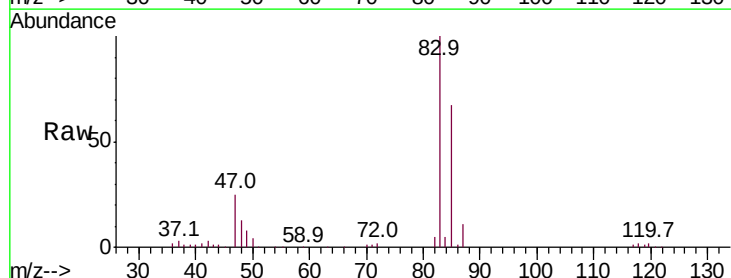
Manual Integrations
APPROVED

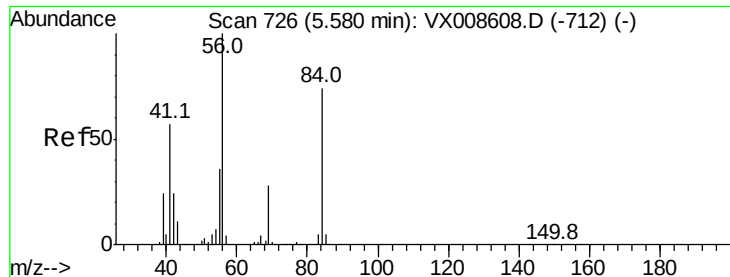
MMDadoda
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#30
Chloroform
Concen: 17.090 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.1	78.1





#31

Cyclohexane

Concen: 16.427 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

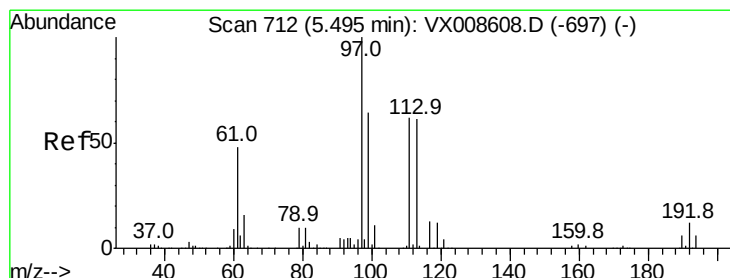
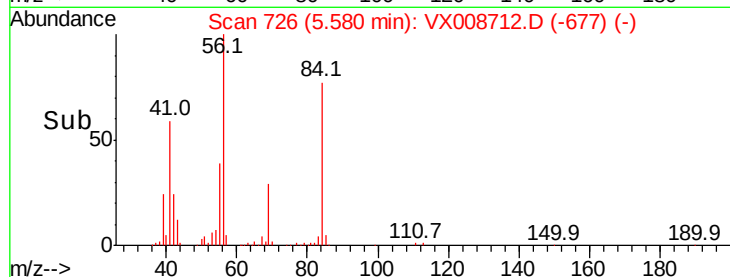
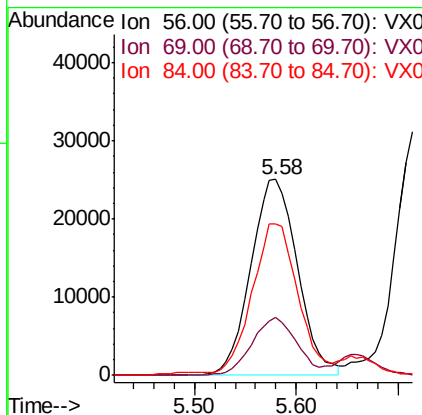
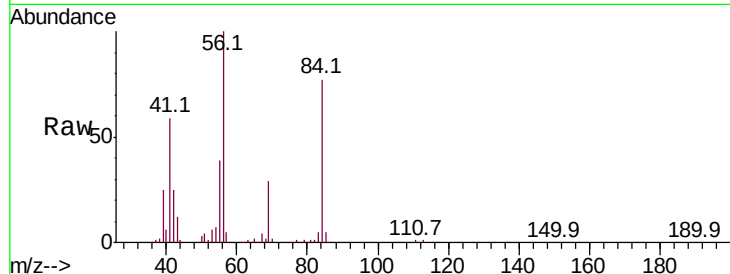
ClientSampleId :

VX0406WBS01

Tot Ion:	56	Resp:	79694
Ion	Ratio	Lower	Upper
56	100		
69	29.4	22.6	33.8
84	76.0	59.3	88.9

Manual Integrations
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4/9/2019 1:37:31 PM



#32

1,1,1-Trichloroethane

Concen: 17.323 ug/l

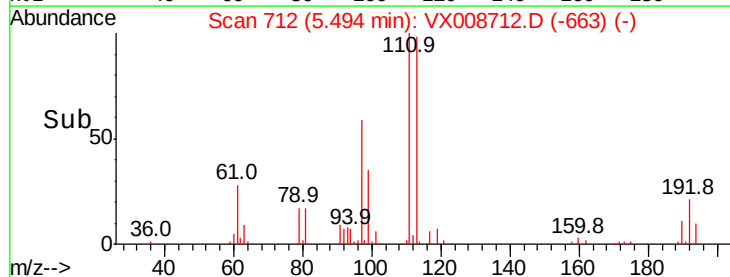
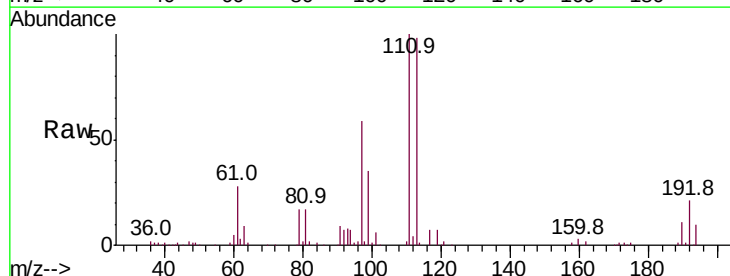
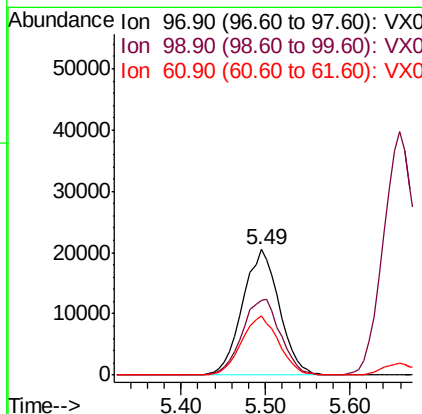
RT: 5.49 min Scan# 712

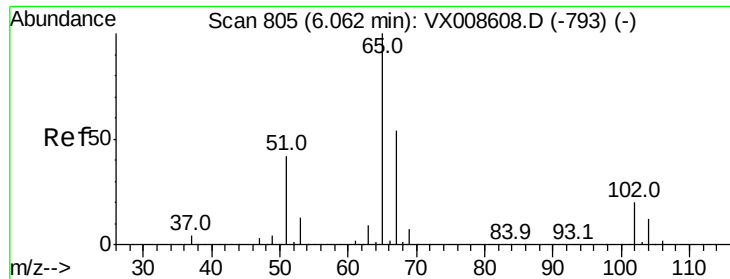
Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Tgt Ion:	97	Resp:	60788
Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.3	76.9
61	47.8	38.9	58.3





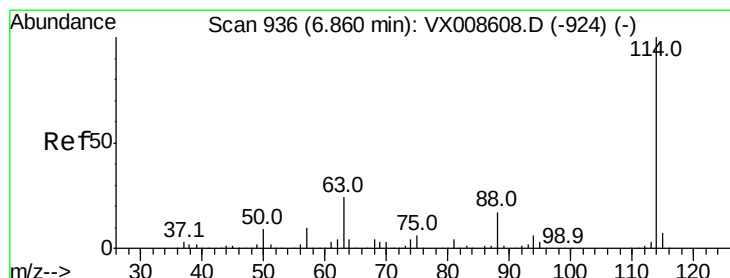
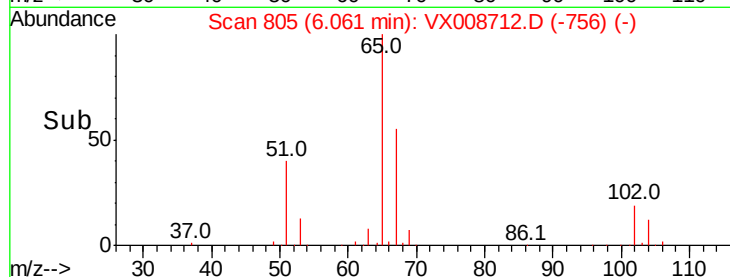
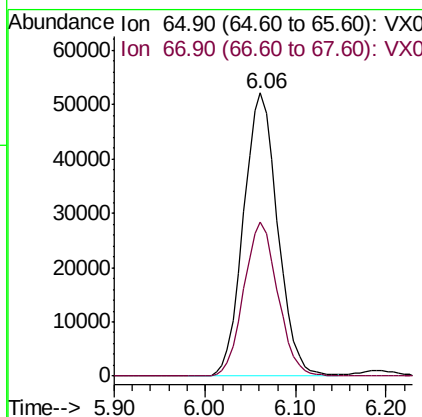
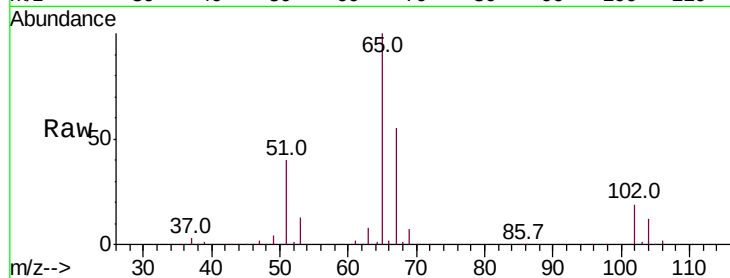
#33
 1,2-Dichloroethane-d4
 Concen: 48.426 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	107.2

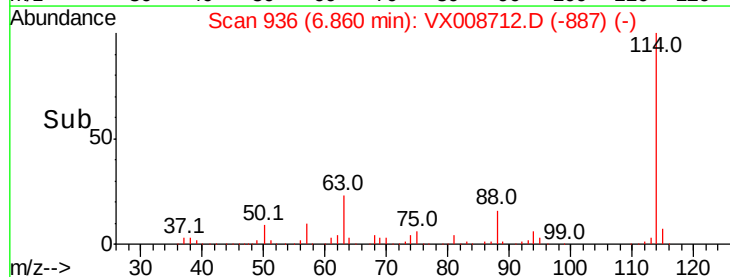
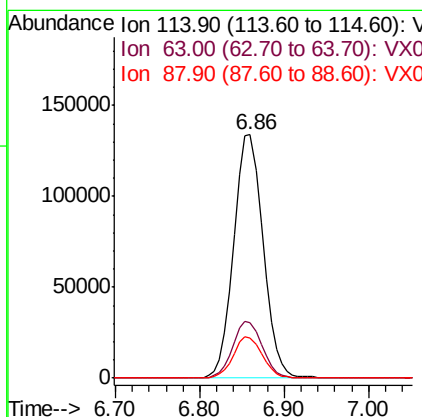
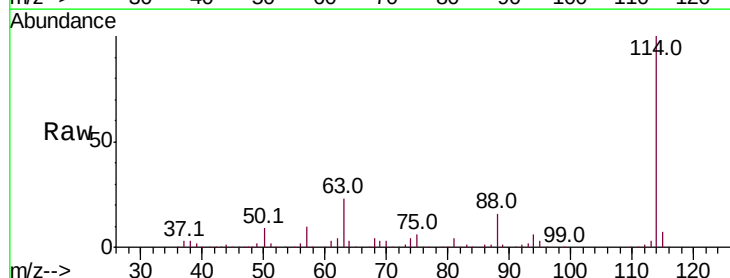
Manual Integrations
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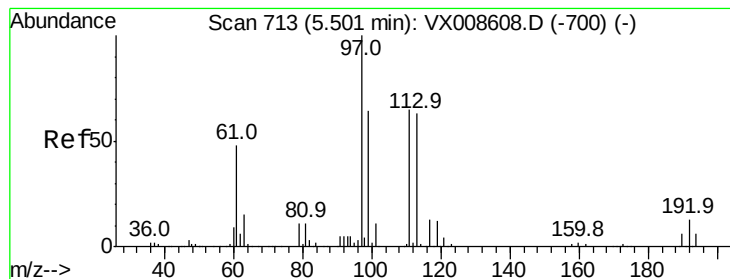
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 4/9/2019 1:37:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	47.2
88	16.3	0.0	34.0





#35

Dibromofluoromethane

Concen: 49.611 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

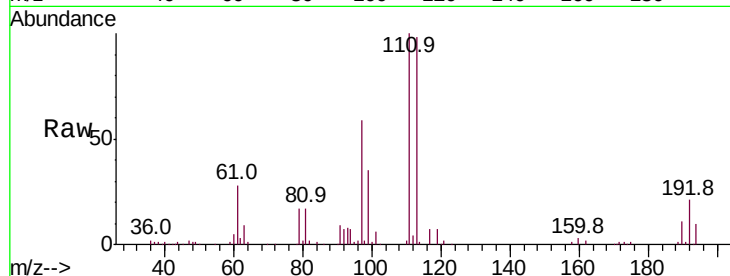
ClientSampleId :

VX0406WBS01

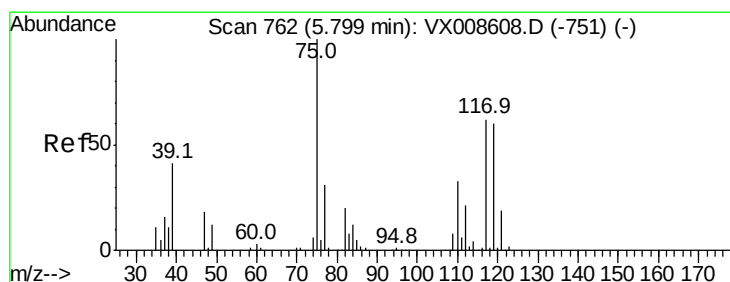
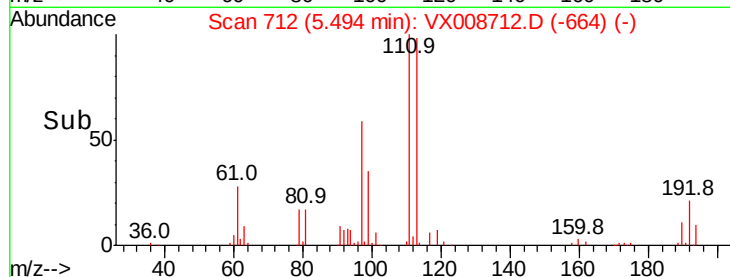
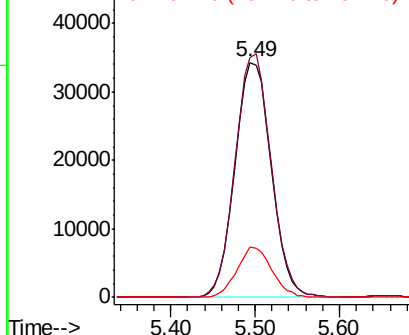
Tot Ion:	113	Resp:	100428
Ion Ratio	Lower	Upper	
113	100		
111	102.5	83.4	125.2
192	20.5	16.1	24.1

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 16.565 ug/l

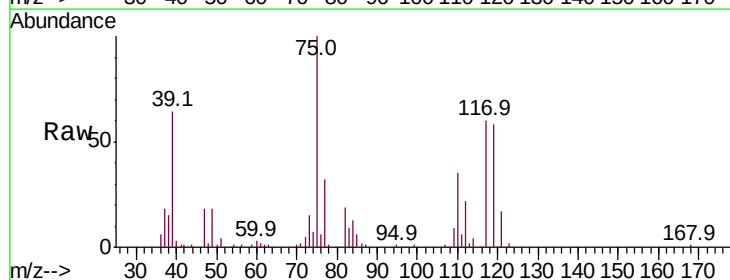
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

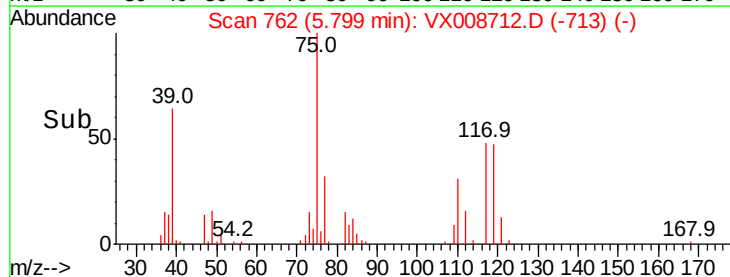
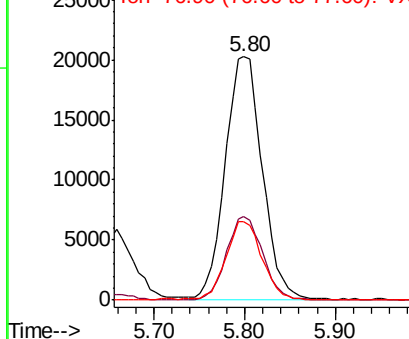
Lab File: VX008712.D

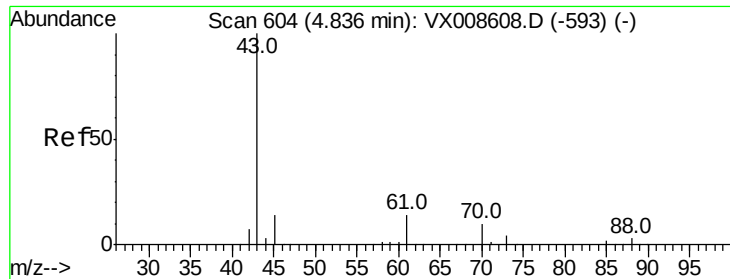
Acq: 06 Apr 2019 11:58

Tgt Ion:	75	Resp:	57331
Ion Ratio	Lower	Upper	
75	100		
110	33.5	16.4	49.2
77	31.6	24.7	37.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





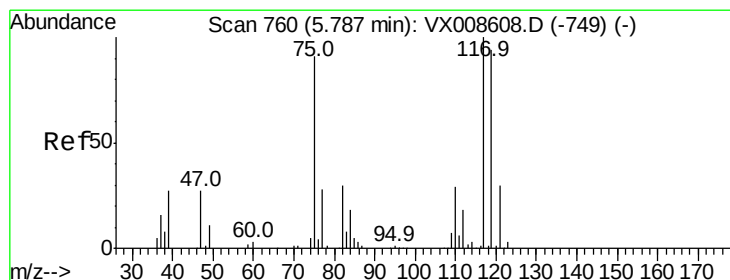
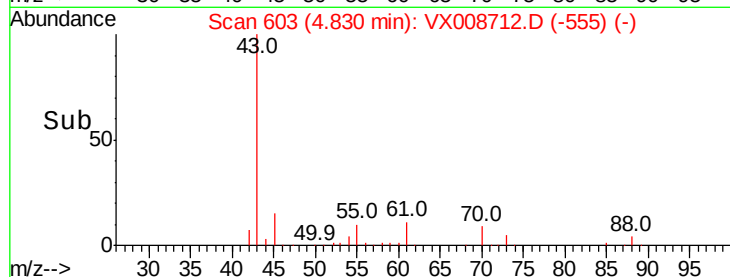
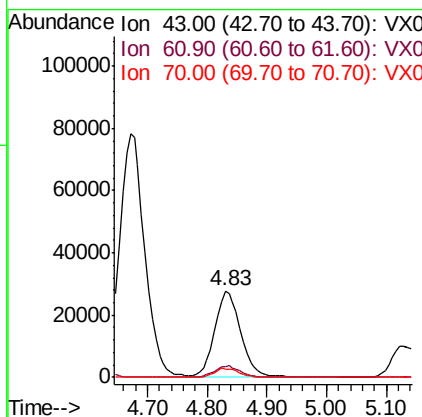
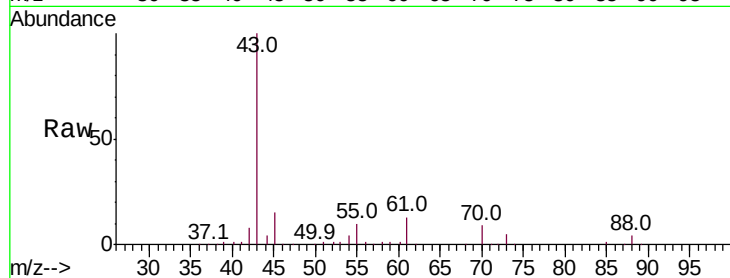
#37
Ethyl Acetate
Concen: 18.102 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion	43	61	70
Ratio	100	13.5	9.7
Lower		10.3	7.6
Upper		15.5	11.4

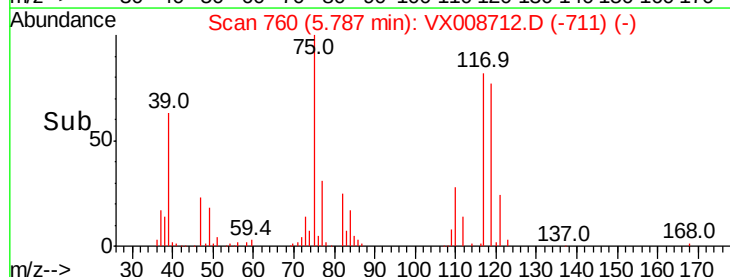
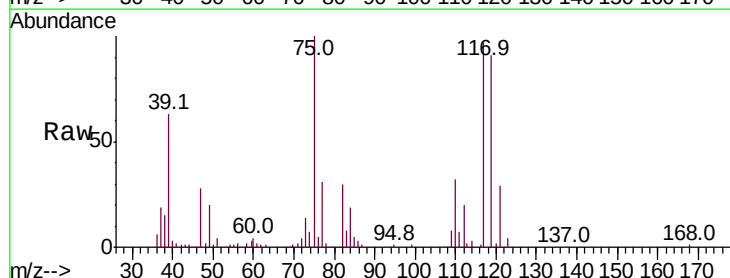
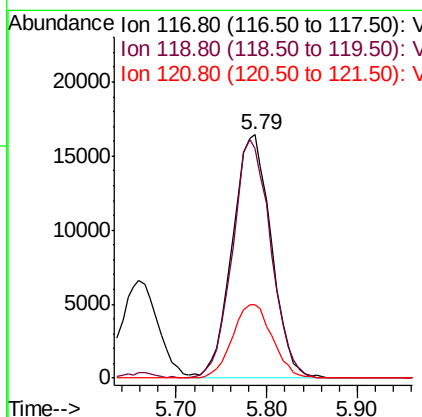
Manual Integrations
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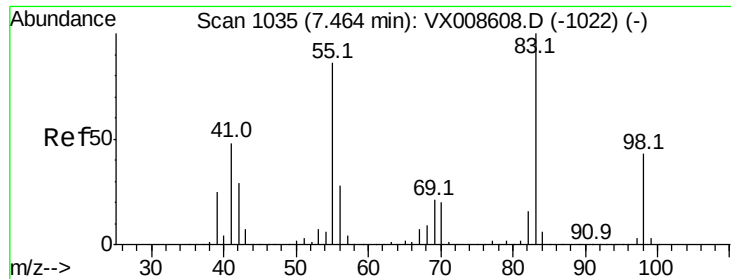
MMDadoda
4/9/2019 1:37:31 PM



#38
Carbon Tetrachloride
Concen: 17.123 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion	117	119	121
Ratio	100	94.1	30.2
Lower		75.0	24.3
Upper		112.6	36.5





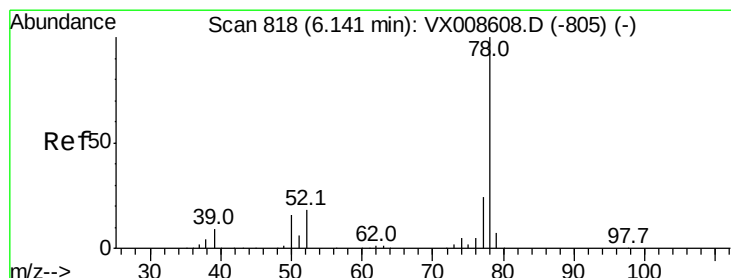
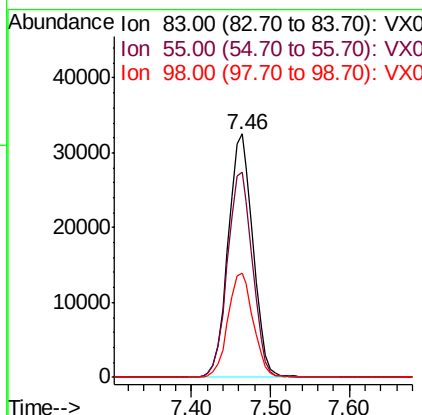
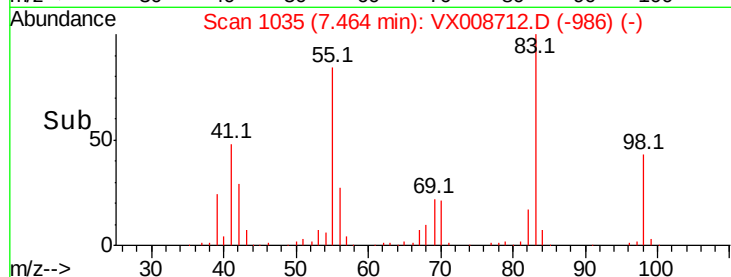
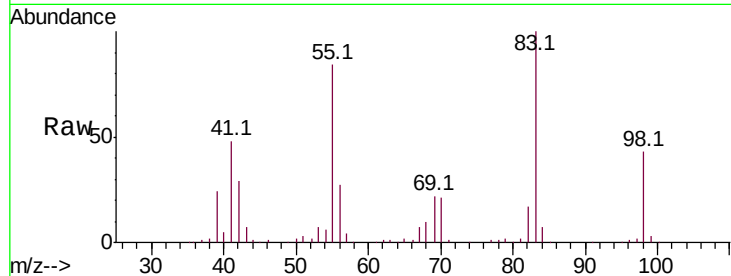
#39
Methylvclvclohexane
Concen: 16.621 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.0	69.0	103.6
98	42.8	34.4	51.6

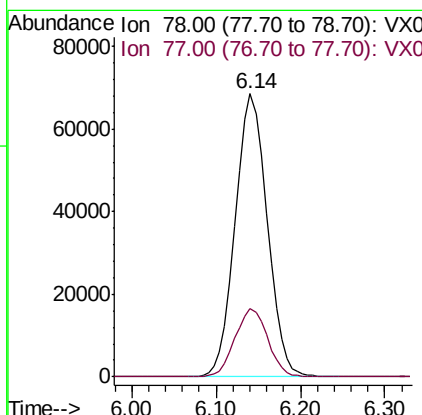
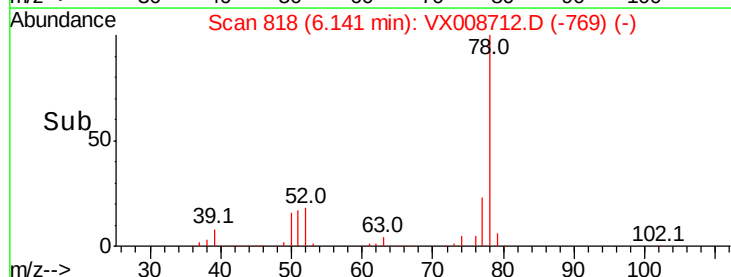
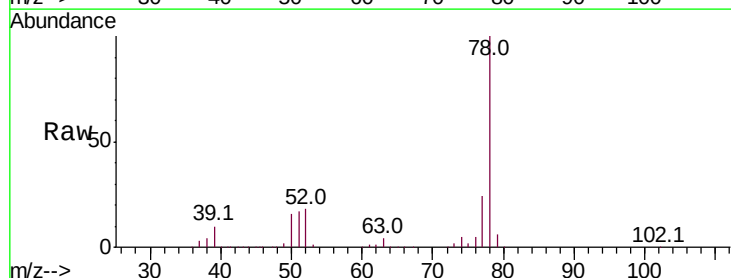
Manual Integrations
APPROVED

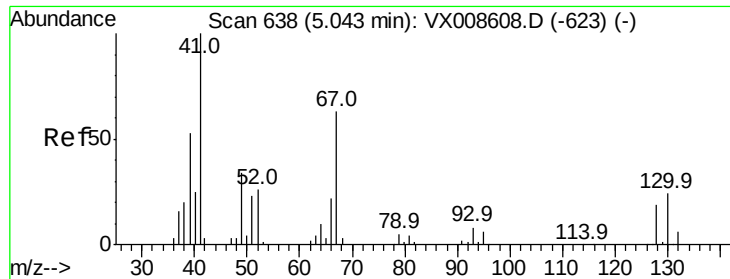
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4/9/2019 1:37:31 PM



#40
Benzene
Concen: 17.135 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





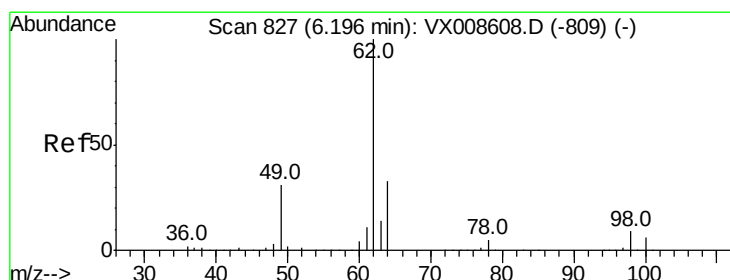
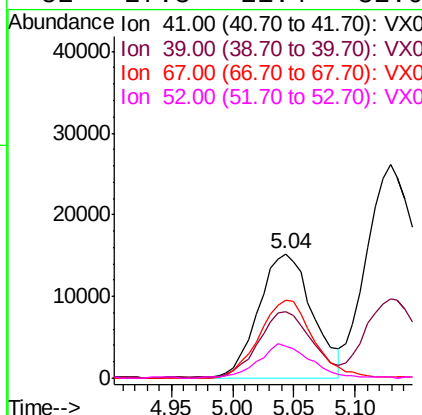
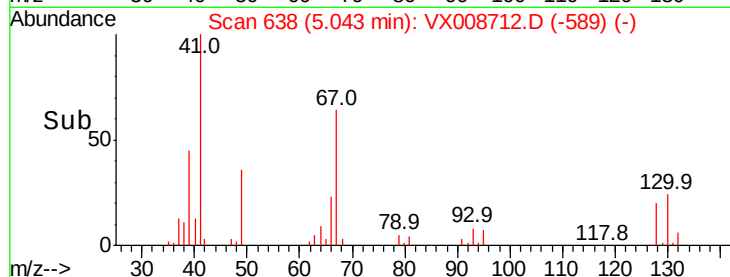
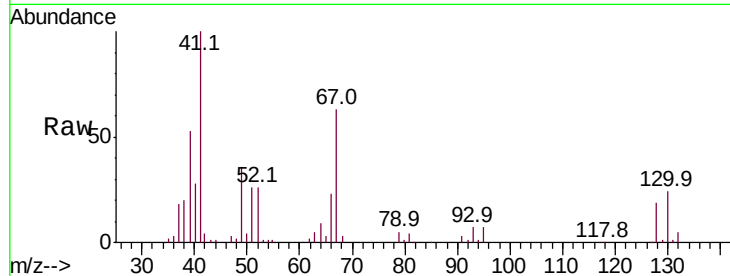
#41
Methacrylonitrile
Concen: 17.465 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.1	63.1	
67	64.1	51.0	76.6	
52	27.3	21.4	32.0	

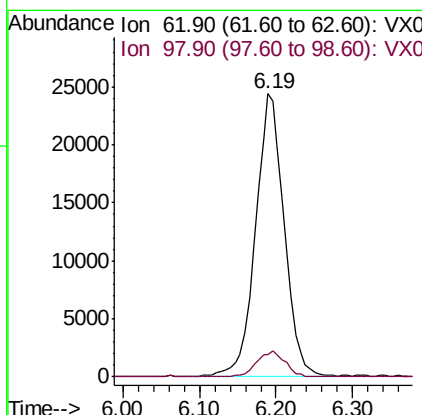
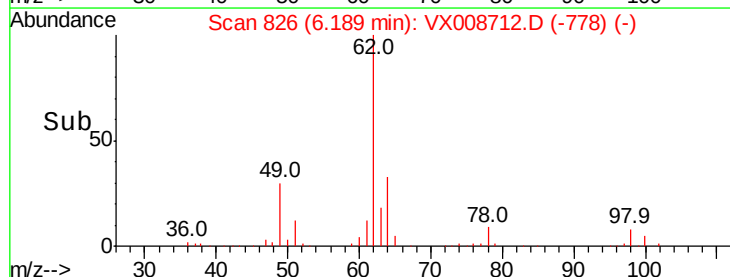
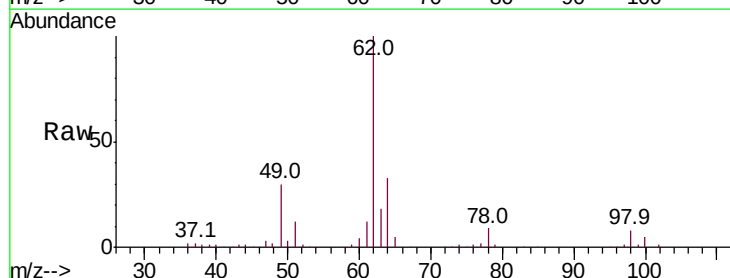
Manual Integrations
APPROVED

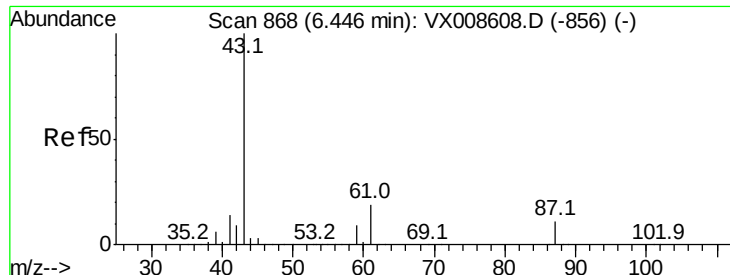
MMDadoda
4/9/2019 1:37:31 PM



#42
1,2-Dichloroethane
Concen: 17.249 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.0	





#43

Isopropyl Acetate

Concen: 17.726 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

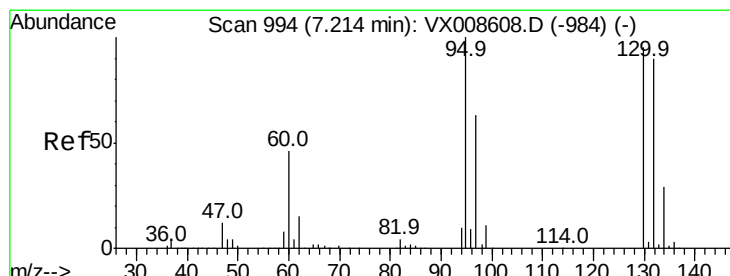
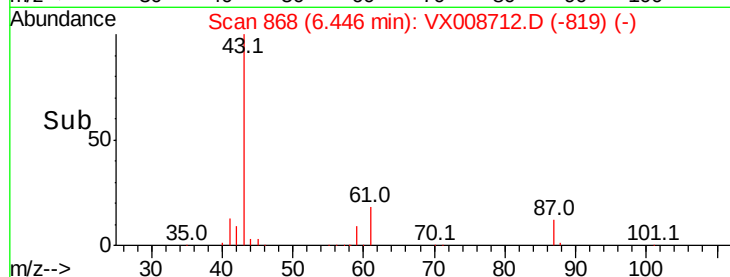
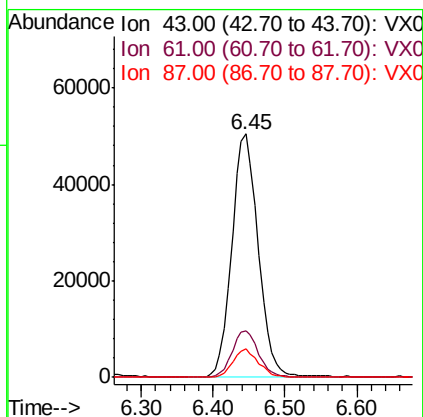
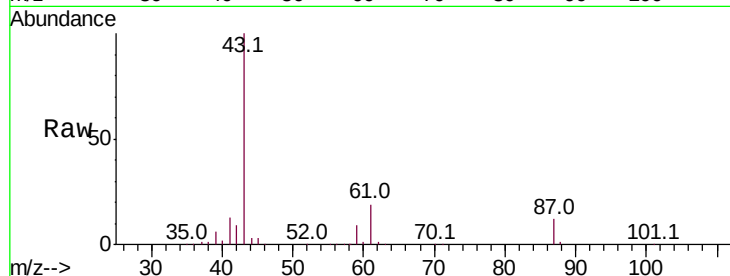
ClientSampleId :

VX0406WBS01

Tot Ion:	43	Resp:	128274
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.3	22.9
87	11.4	9.0	13.6

Manual Integrations
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4/9/2019 1:37:31 PM



#44

Trichloroethene

Concen: 17.187 ug/l

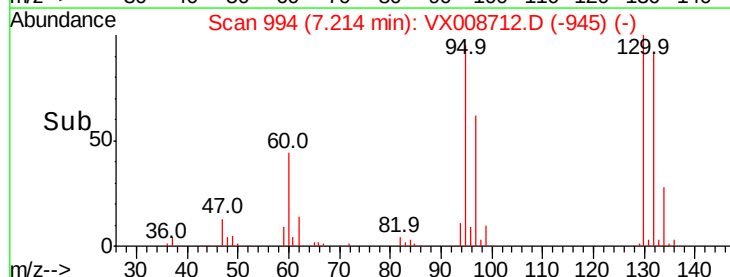
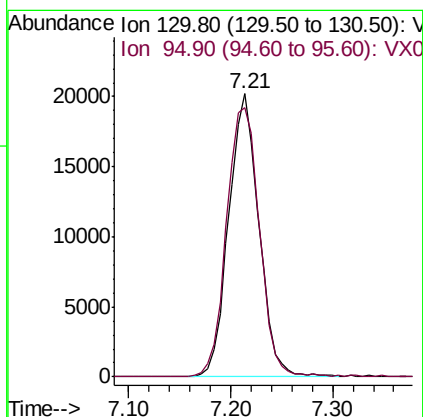
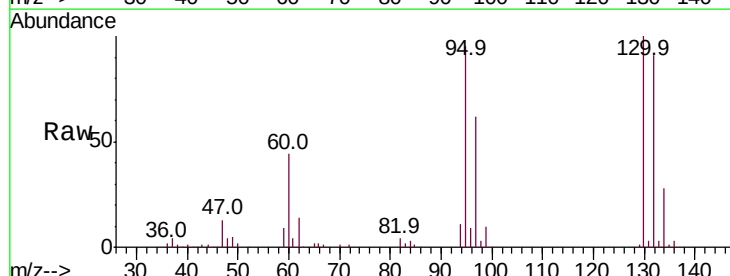
RT: 7.21 min Scan# 994

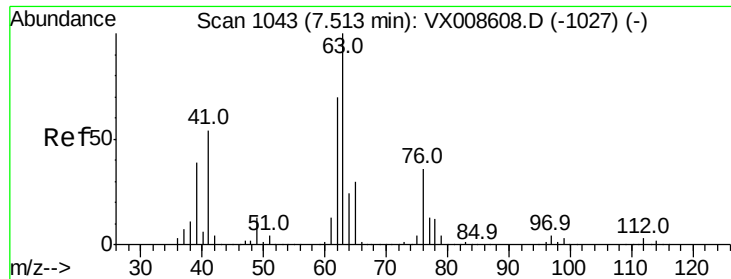
Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Tgt Ion:	130	Resp:	41272
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	209.8





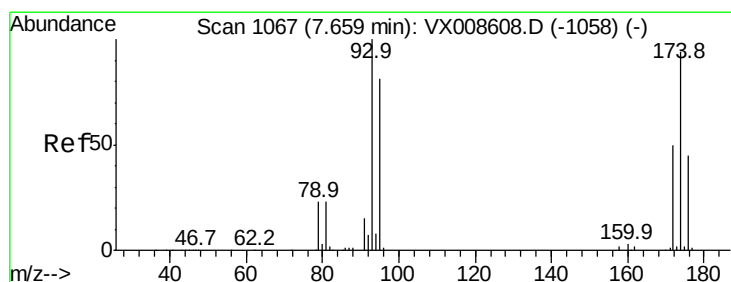
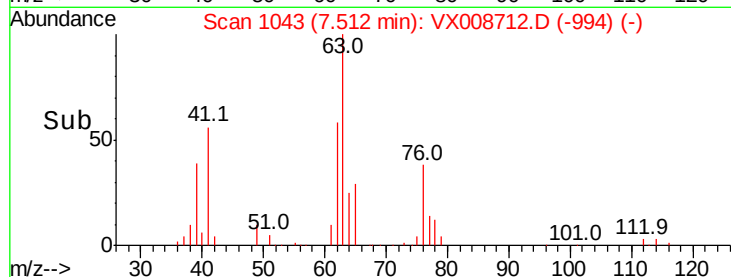
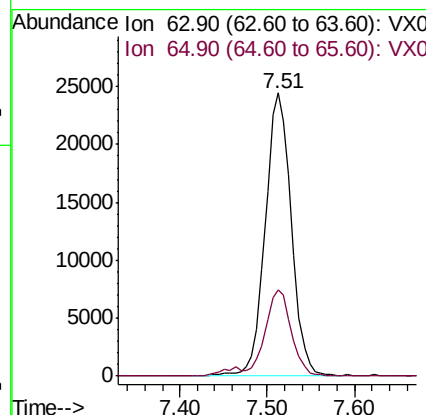
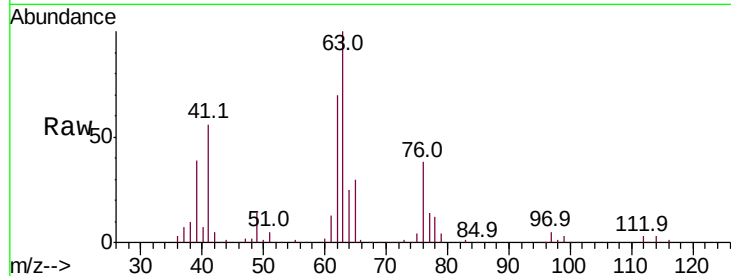
#45
 1,2-Dichloropropane
 Concen: 17.379 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Instrument :
 MSVOA_X
 ClientSampled :
 VX0406WBS01

Tot Ion: 63 Resp: 51142
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.2 36.4

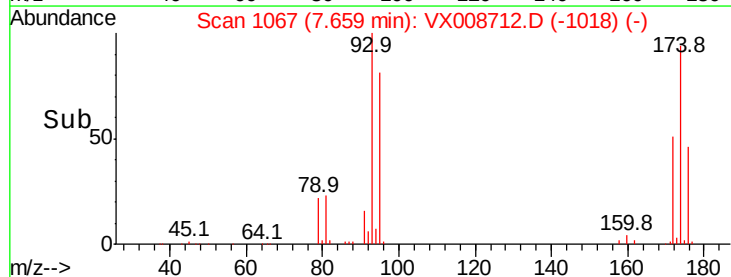
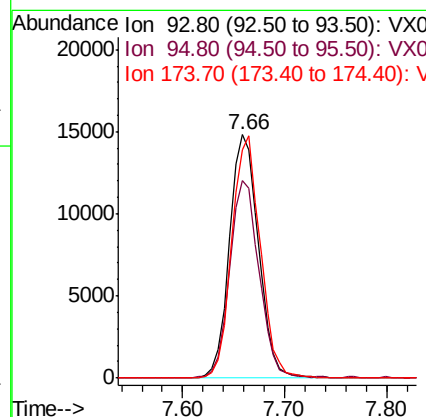
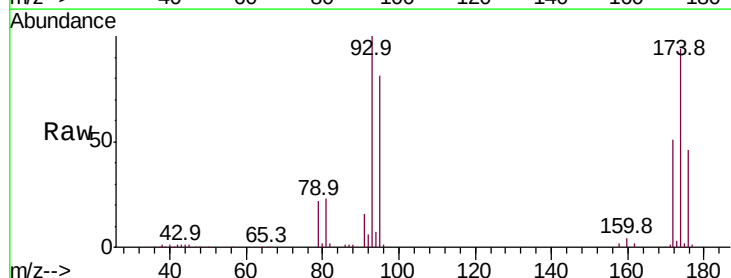
Manual Integrations
 APPROVED

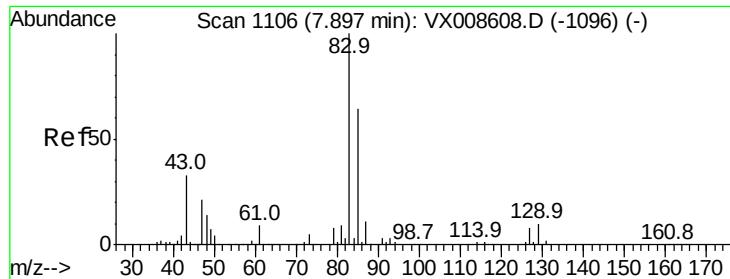
MMDadoda
 4/9/2019 1:37:31 PM



#46
 Dibromomethane
 Concen: 17.065 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Tgt Ion: 93 Resp: 29127
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.6 99.8
 174 97.4 77.7 116.5





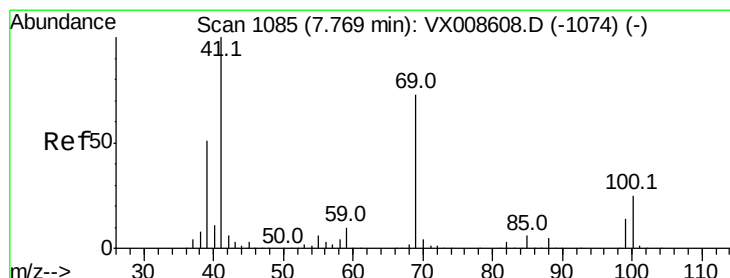
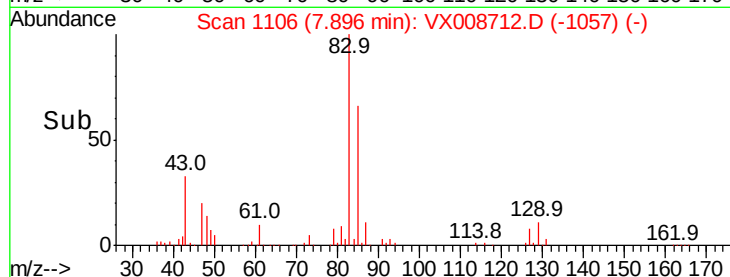
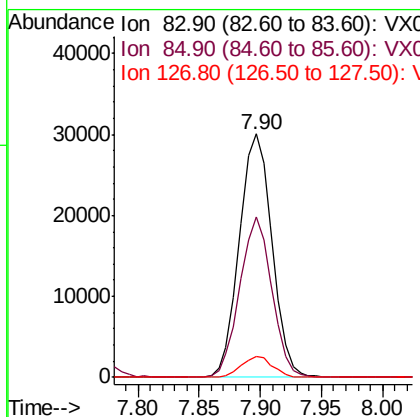
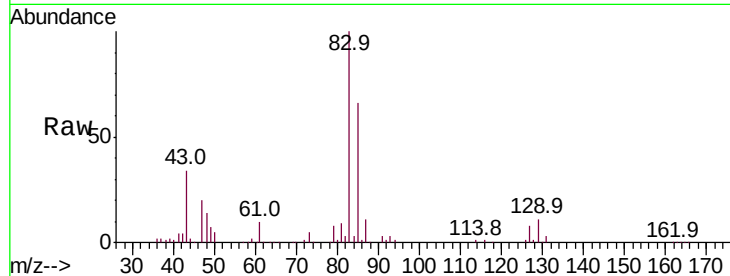
#47
 Bromodichloromethane
 Concen: 17.355 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.2	76.8
127	8.3	6.6	10.0

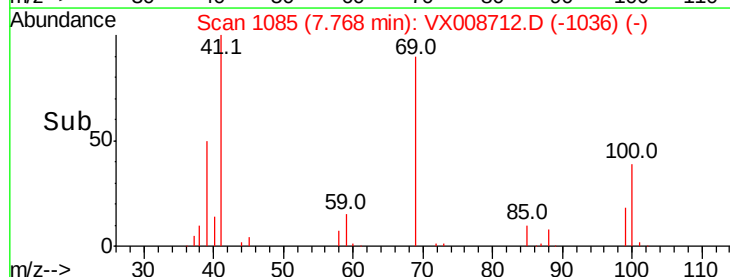
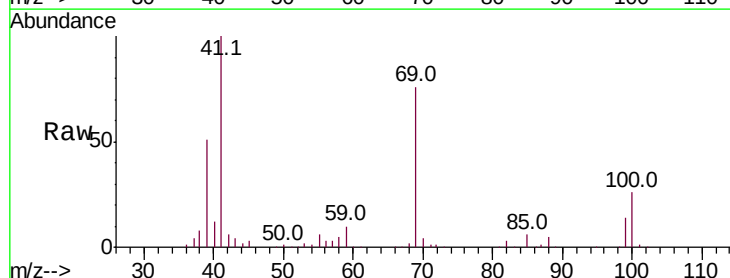
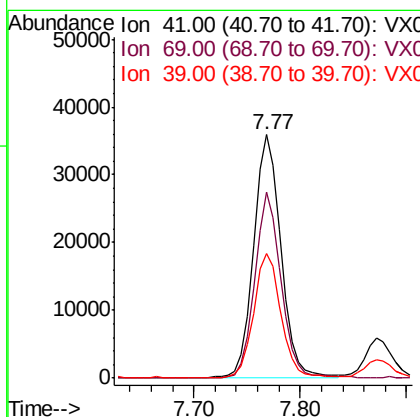
Manual Integrations
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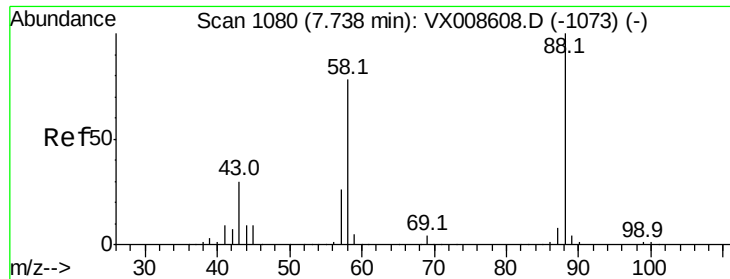
MMDadoda
 4/9/2019 1:37:31 PM



#48
 Methyl methacrylate
 Concen: 17.531 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.2	59.0	88.4
39	50.9	41.0	61.4





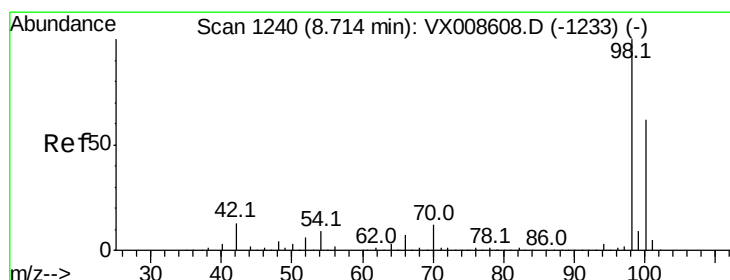
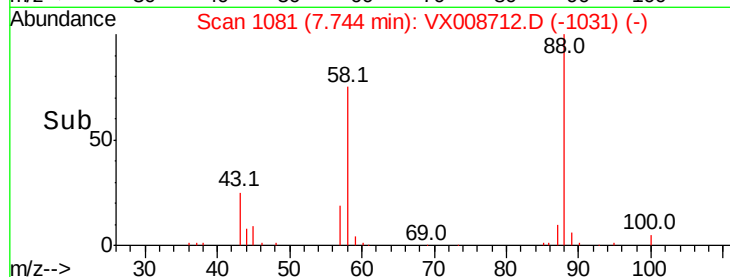
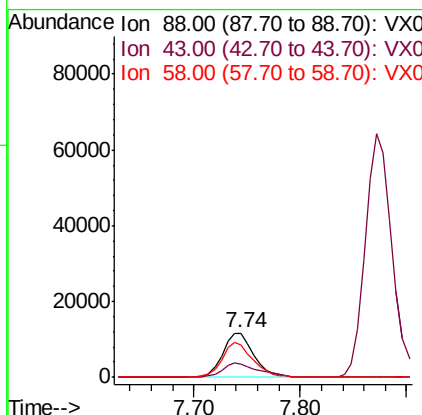
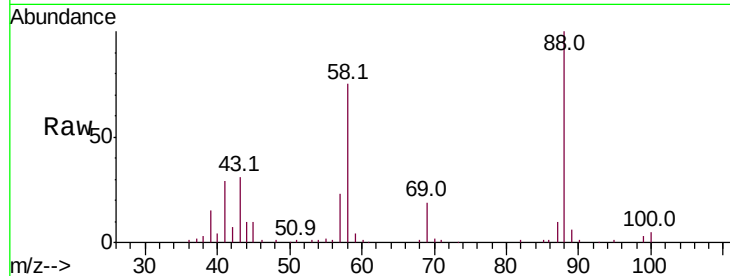
#49
1,4-Dioxane
Concen: 349.625 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	28.6	43.0
58	79.2	62.2	93.2

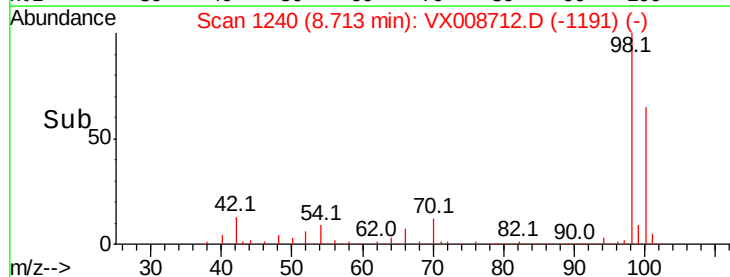
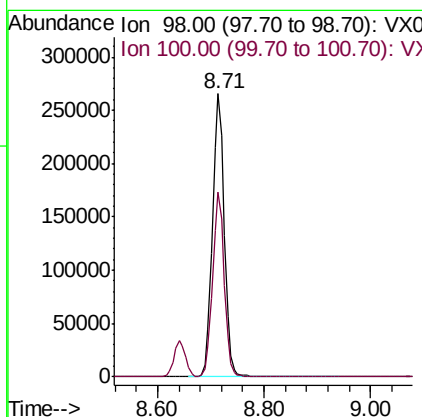
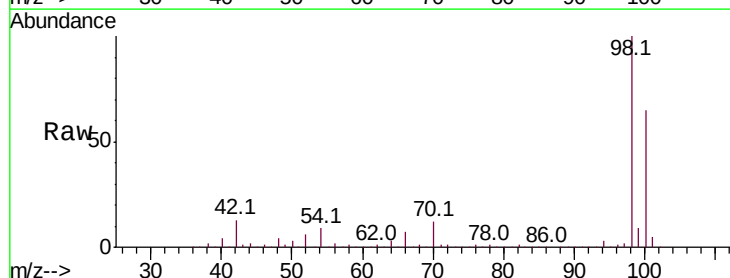
Manual Integrations
APPROVED

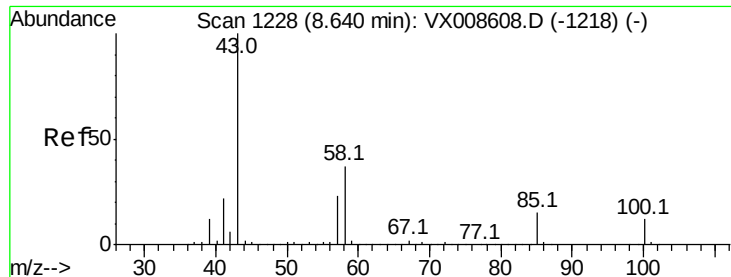
MMDadoda
4/9/2019 1:37:31 PM



#50
Toluene-d8
Concen: 50.546 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.0





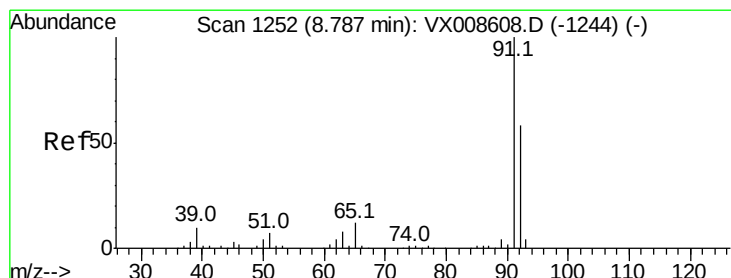
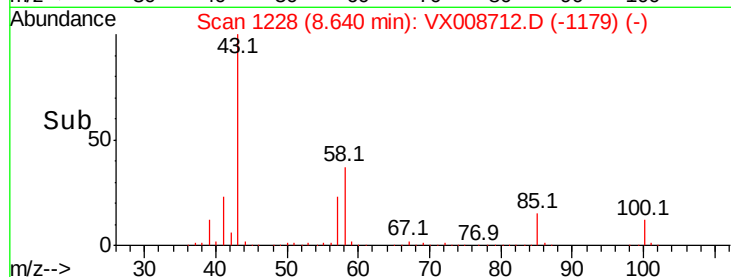
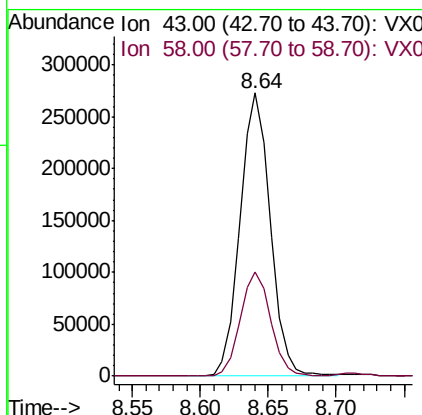
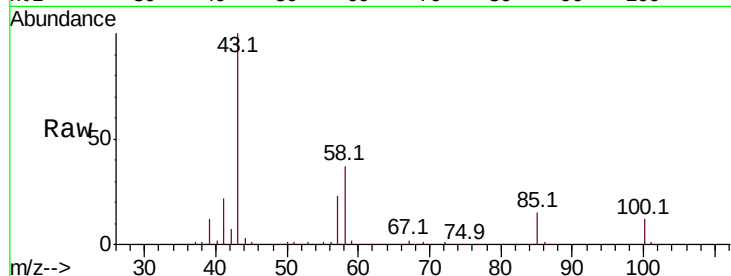
#51
4-Methyl-2-Pentanone
Concen: 90.910 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.5	44.3

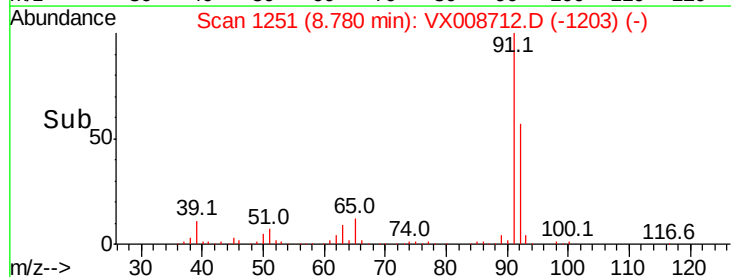
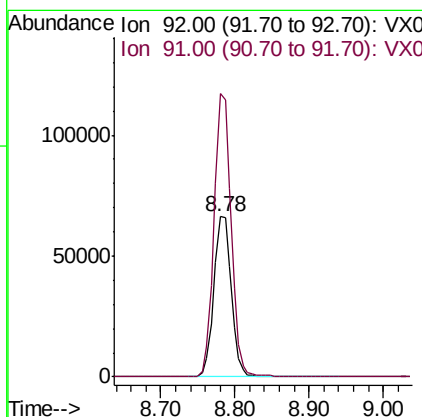
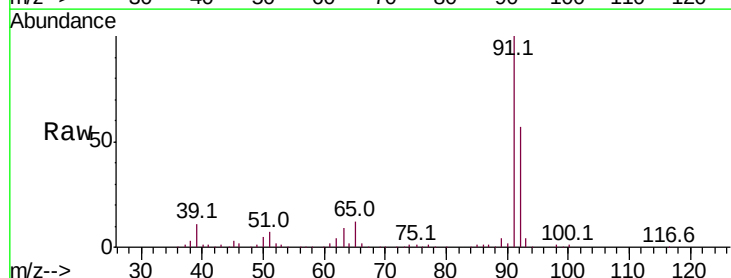
Manual Integrations
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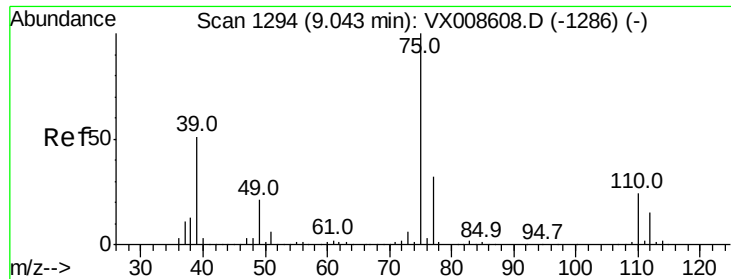
MMDadoda
4/9/2019 1:37:31 PM



#52
Toluene
Concen: 17.582 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.3	138.5	207.7





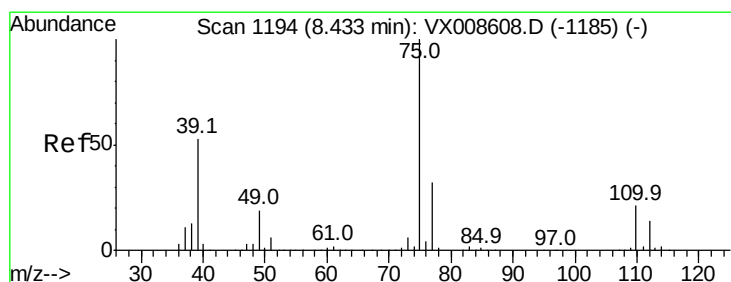
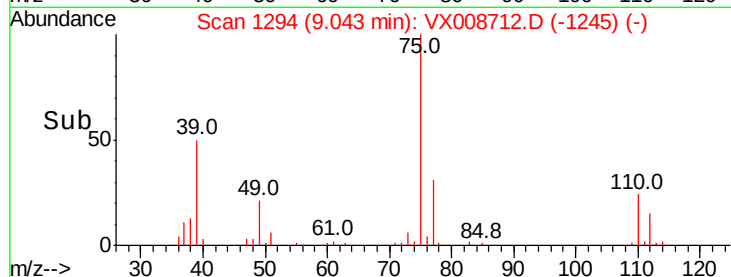
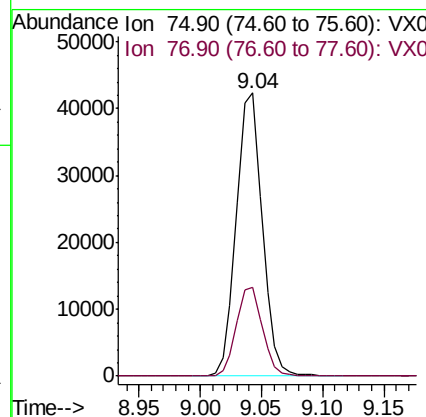
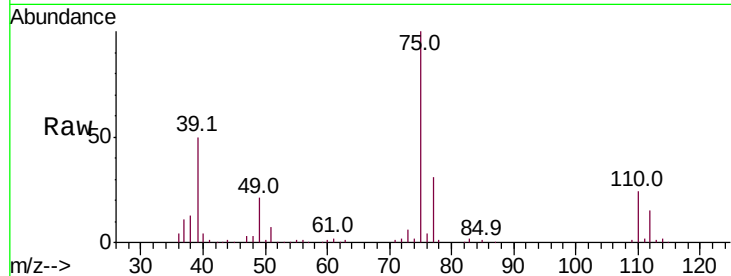
#53
 t-1,3-Dichloropropene
 Concen: 17.262 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBS01

Tot Ion: 75 Resp: 62226
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.2 37.8

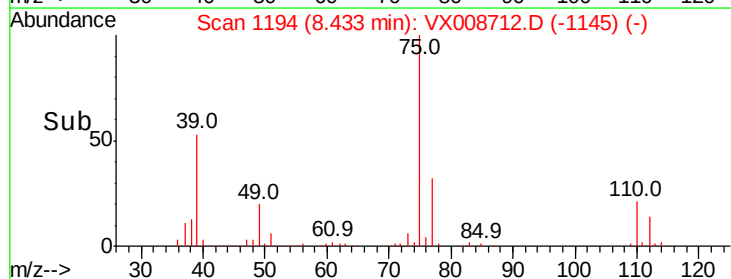
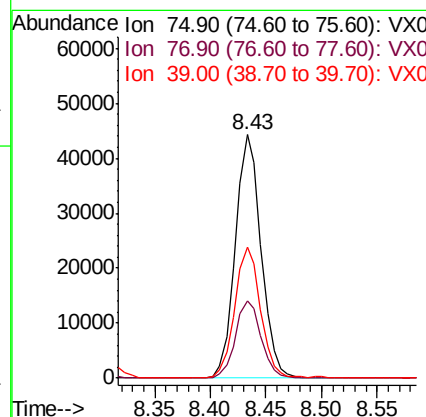
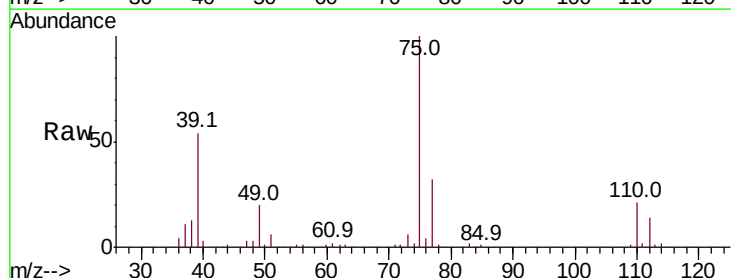
Manual Integrations
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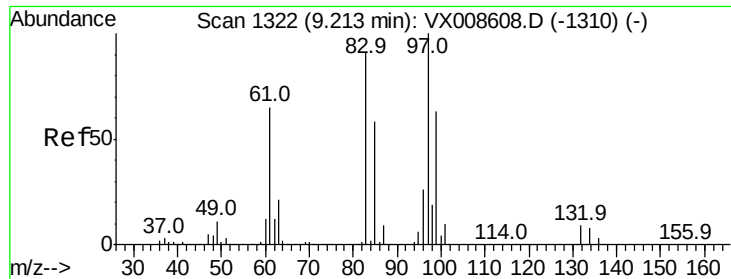
MMDadoda
 4/9/2019 1:37:31 PM



#54
 cis-1,3-Dichloropropene
 Concen: 17.166 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Tgt Ion: 75 Resp: 70710
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.3 37.9
 39 53.5 42.6 63.8





#55

1,1,2-Trichloroethane

Concen: 17.759 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion: 97 Resp: 43331

Ion Ratio Lower Upper

97 100

83 88.0 73.2 109.8

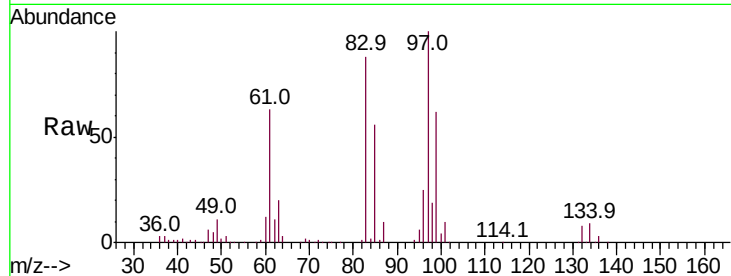
85 56.4 46.6 69.8

99 62.4 50.1 75.1

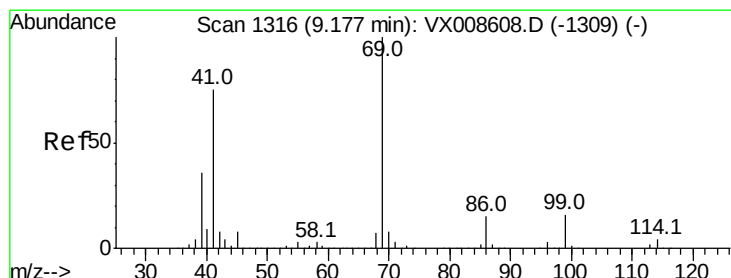
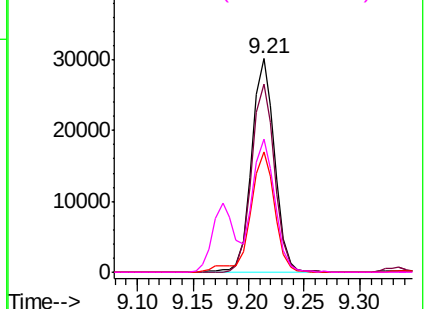
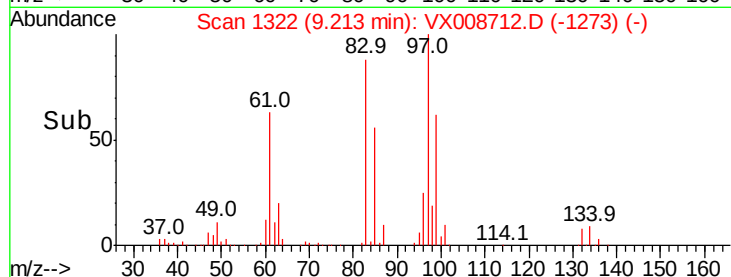
Manual Integrations
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Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 17.973 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

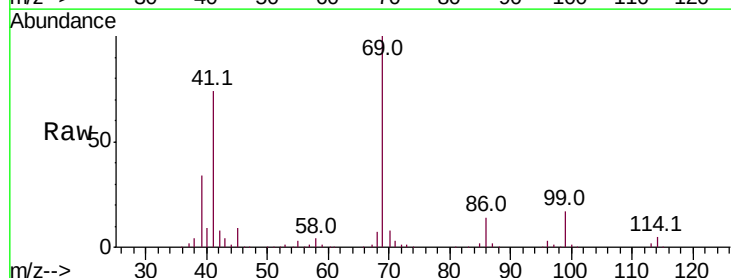
Tgt Ion: 69 Resp: 79345

Ion Ratio Lower Upper

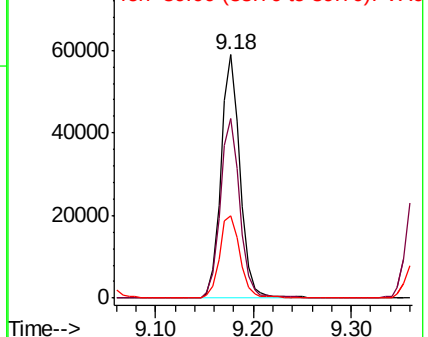
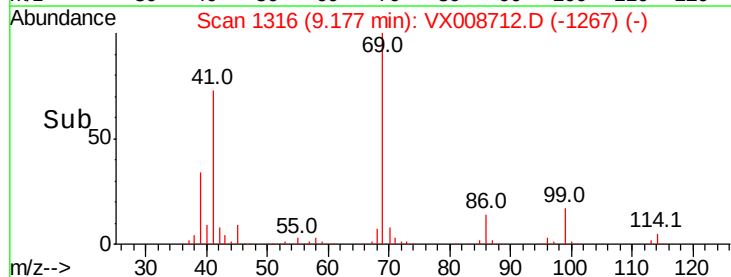
69 100

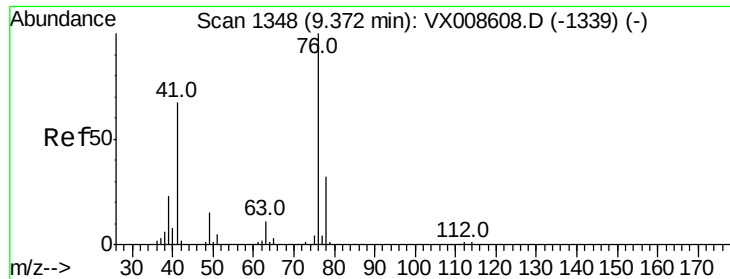
41 75.3 60.1 90.1

39 36.1 28.9 43.3



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





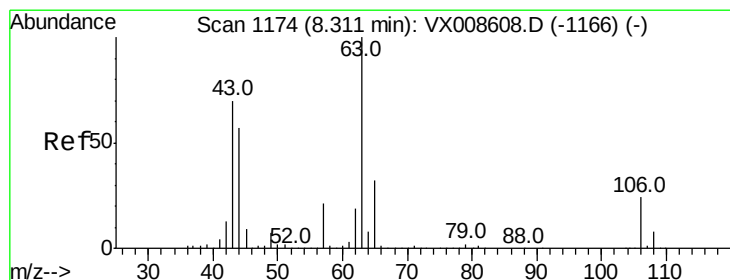
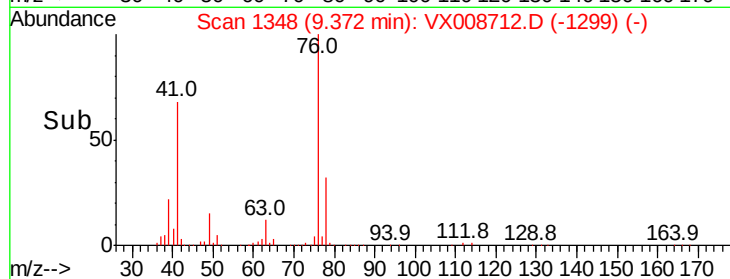
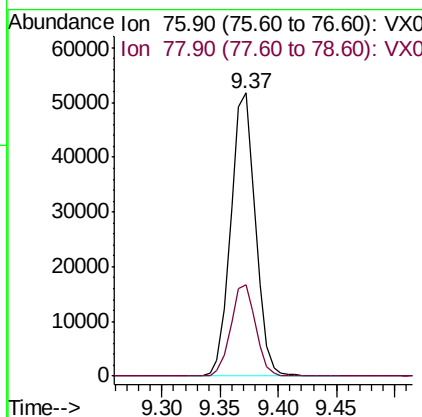
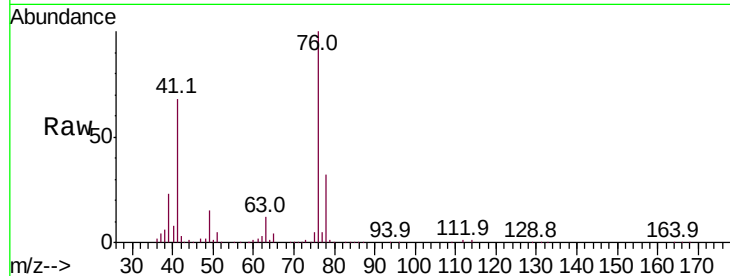
#57
 1,3-Dichloropropane
 Concen: 17.459 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBS01

Tot Ion: 76 Resp: 76493
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4

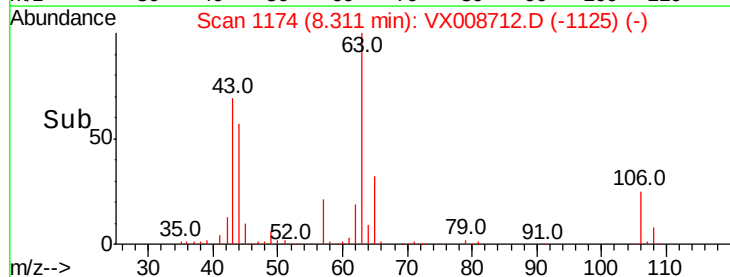
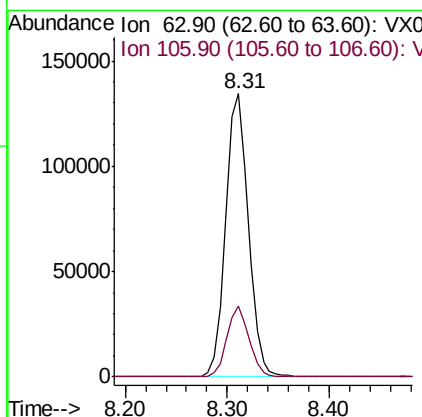
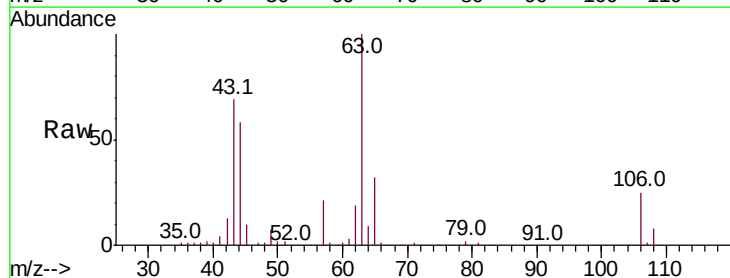
Manual Integrations
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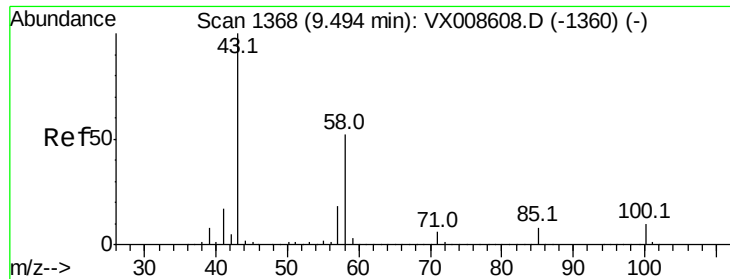
MMDadoda
 4/9/2019 1:37:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.749 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Tgt Ion: 63 Resp: 206821
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.0 28.6





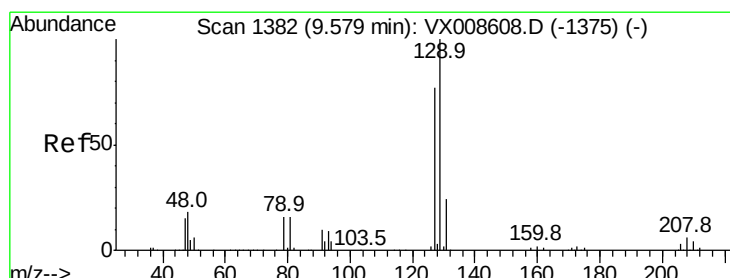
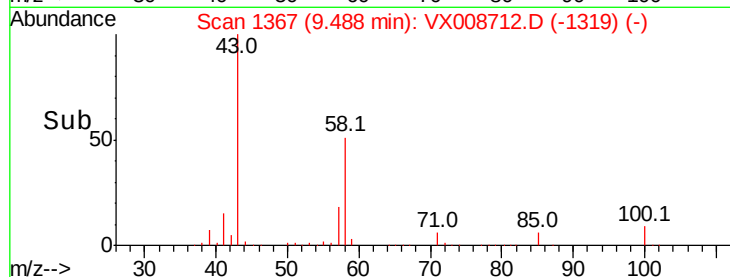
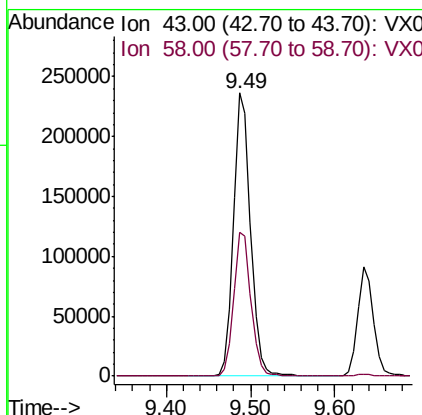
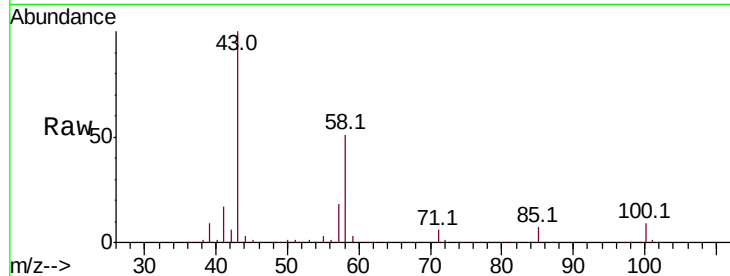
#59
2-Hexanone
Concen: 89.525 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion: 43 Resp: 324104
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.7

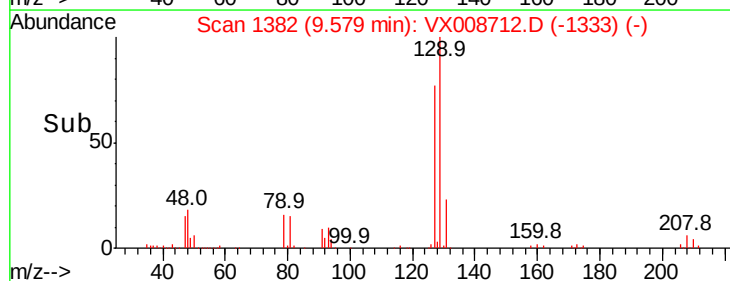
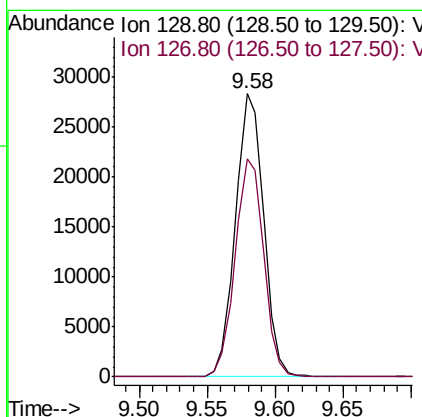
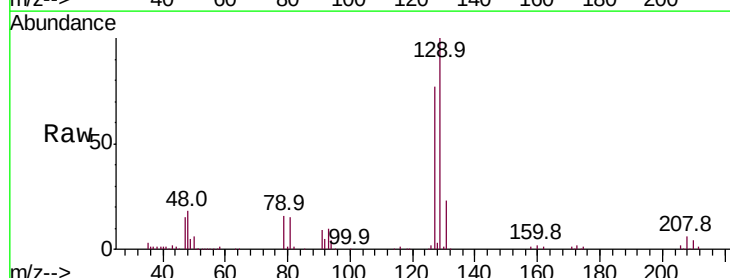
Manual Integrations
APPROVED

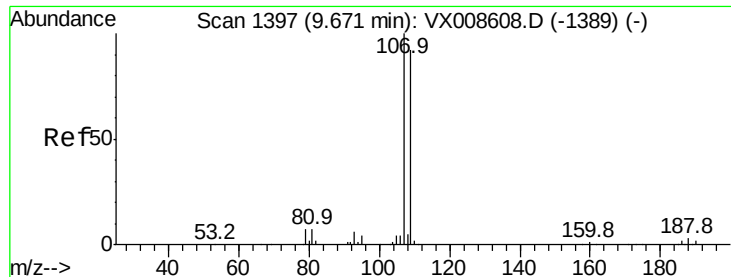
MMDadoda
4/9/2019 1:37:31 PM



#60
Dibromochloromethane
Concen: 17.847 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion: 129 Resp: 41033
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 17.479 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion:107 Resp: 44399

Ion Ratio Lower Upper

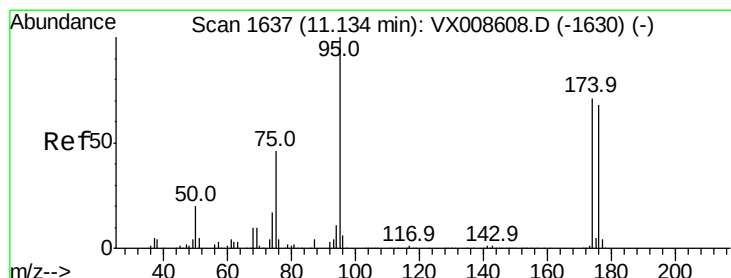
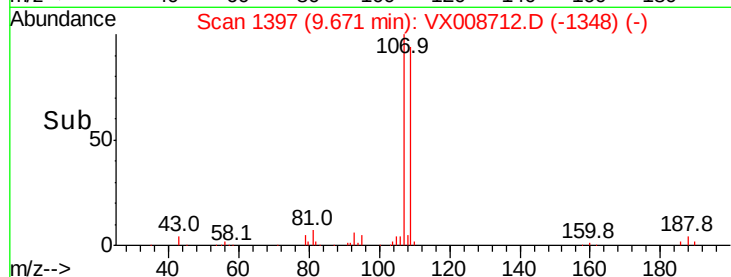
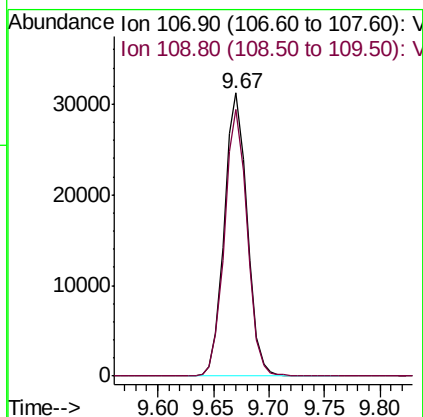
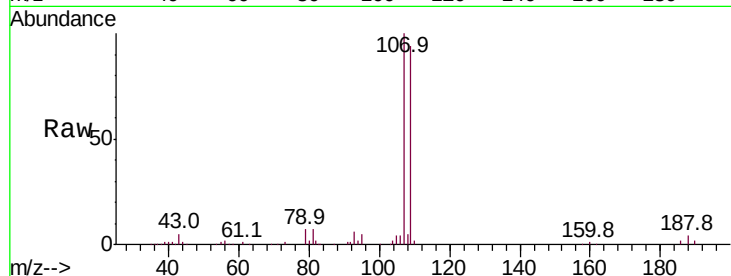
107 100

109 93.4 74.1 111.1

Manual Integrations
APPROVED

MMDadoda

4/9/2019 1:37:31 PM



#62

4-Bromofluorobenzene

Concen: 50.795 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

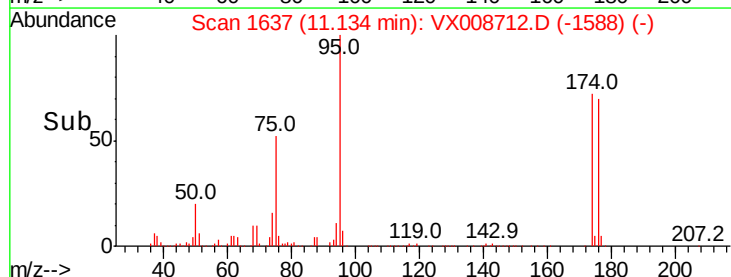
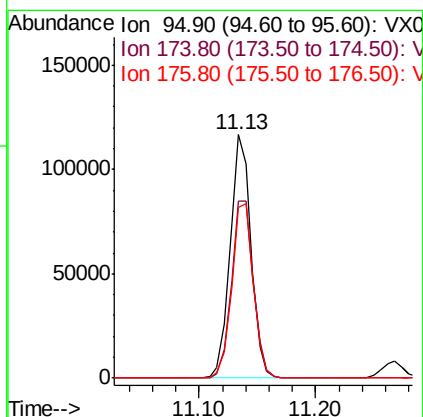
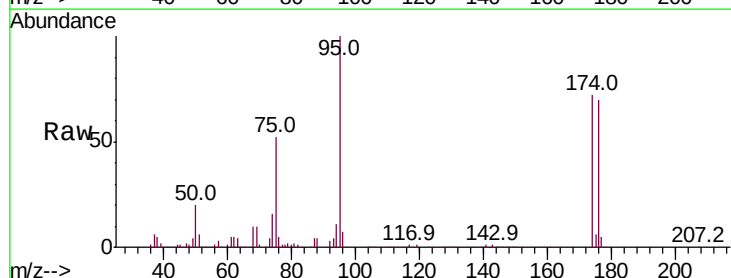
Tgt Ion: 95 Resp: 145185

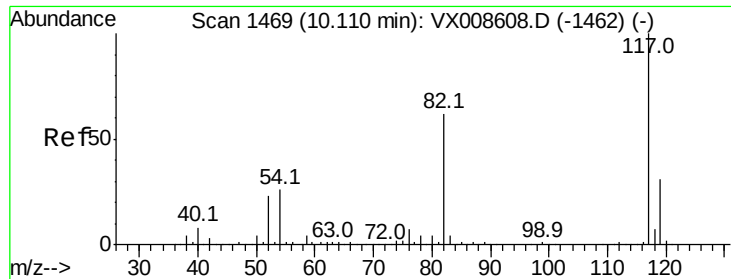
Ion Ratio Lower Upper

95 100

174 76.7 0.0 151.8

176 74.5 0.0 145.8





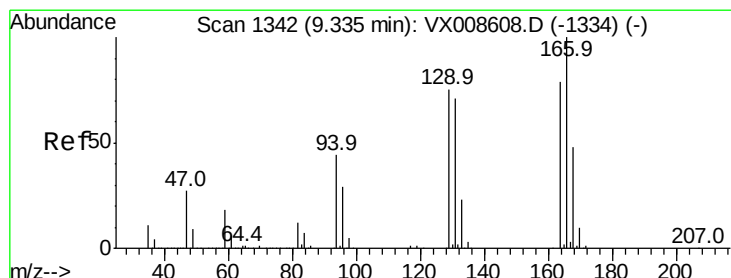
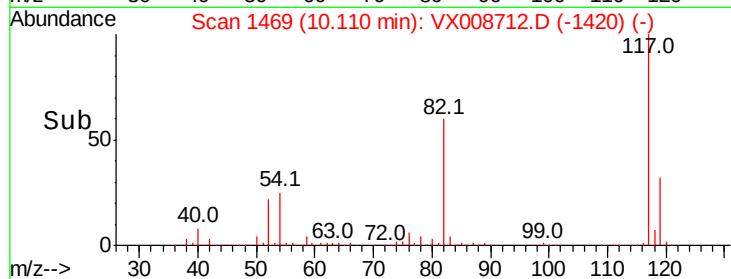
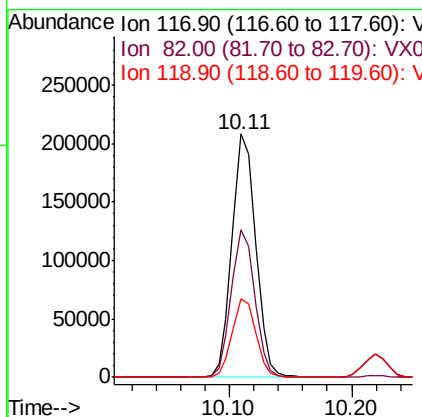
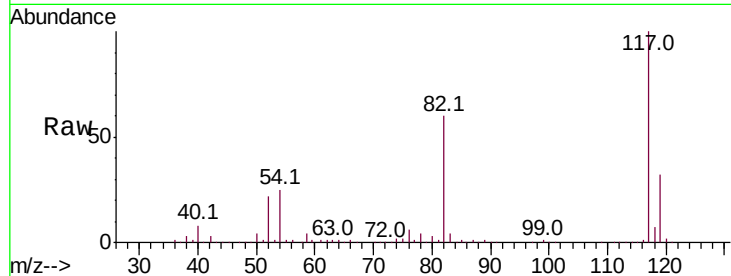
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.4	49.6	74.4
119	32.0	25.0	37.4

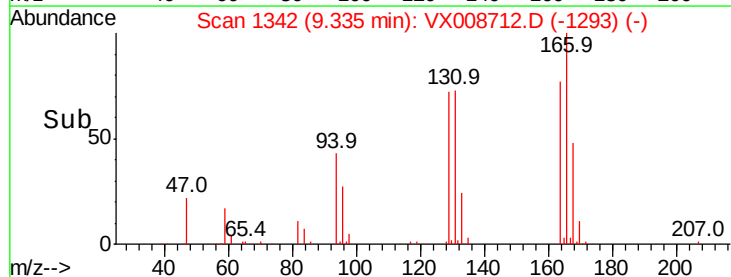
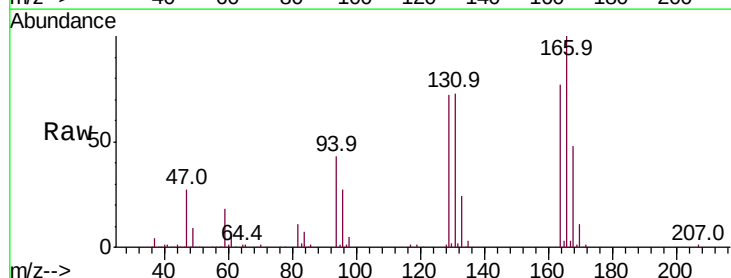
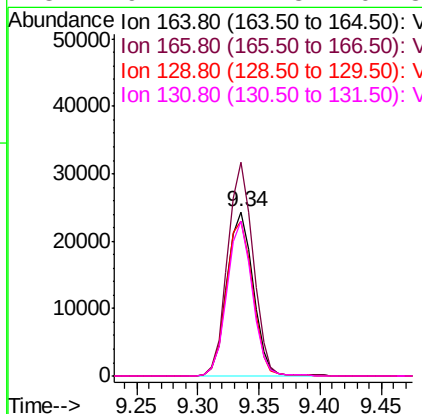
Manual Integrations
APPROVED

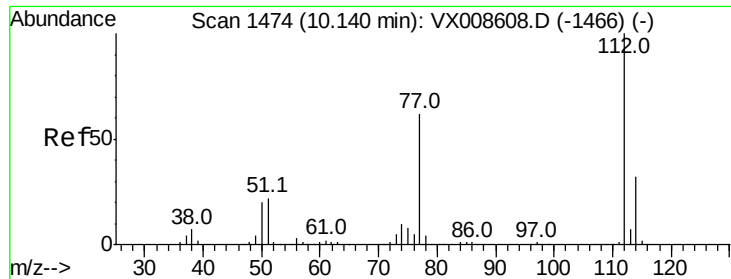
MMDadoda
4/9/2019 1:37:31 PM



#64
Tetrachloroethene
Concen: 17.410 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.0	151.6
129	94.0	75.8	113.8
131	94.4	71.8	107.8





#65

Chlorobenzene

Concen: 17.442 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion:112 Resp: 108410

Ion Ratio Lower Upper

112 100

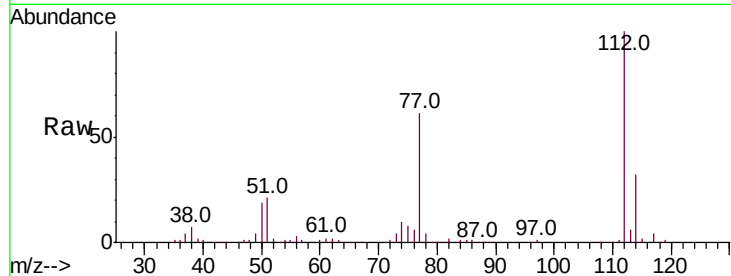
114 32.1 25.8 38.8

Manual Integrations

APPROVED

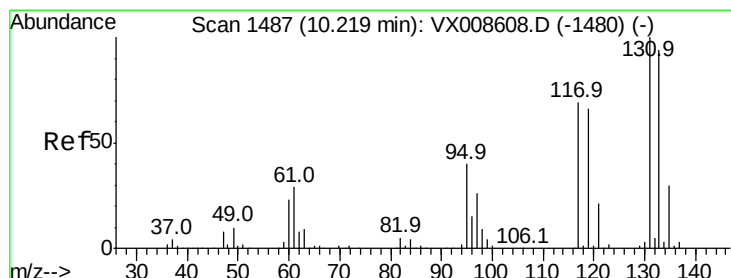
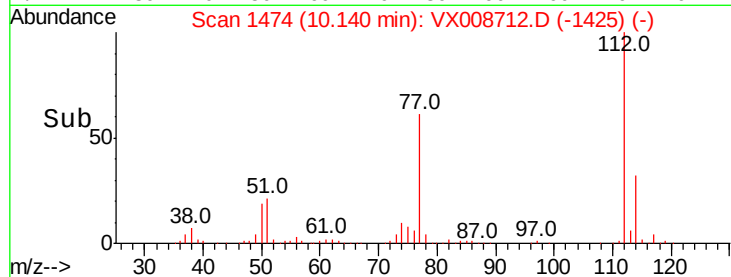
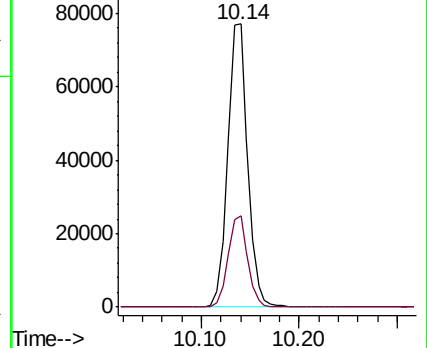
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.573 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

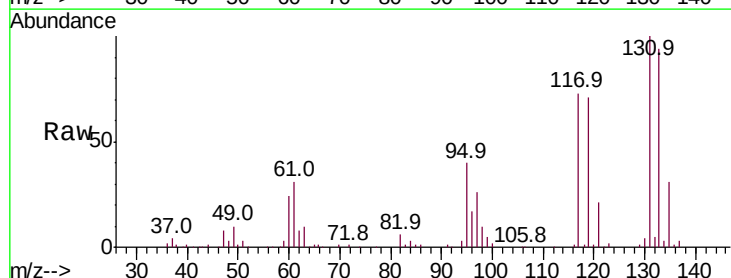
Tgt Ion:131 Resp: 38318

Ion Ratio Lower Upper

131 100

133 95.2 47.0 141.2

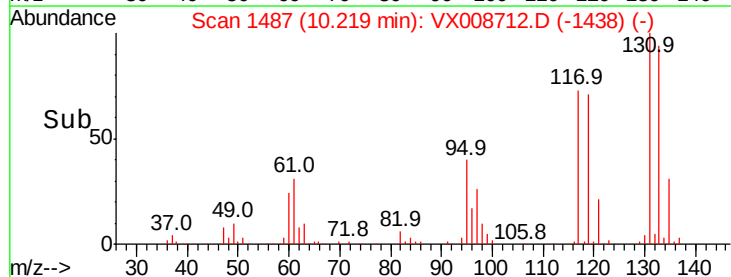
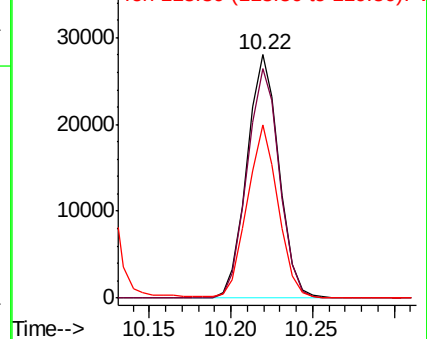
119 68.7 33.7 101.0

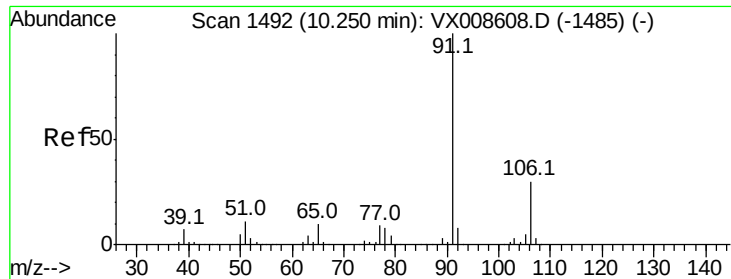


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 17.326 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion: 91 Resp: 200813

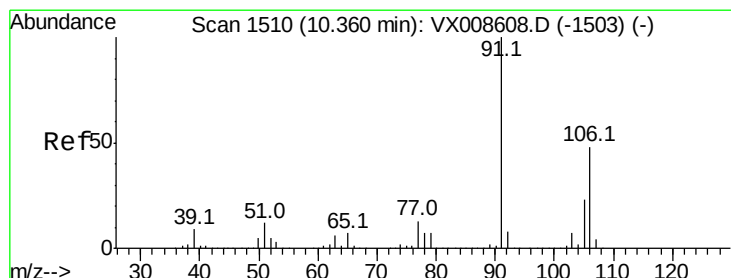
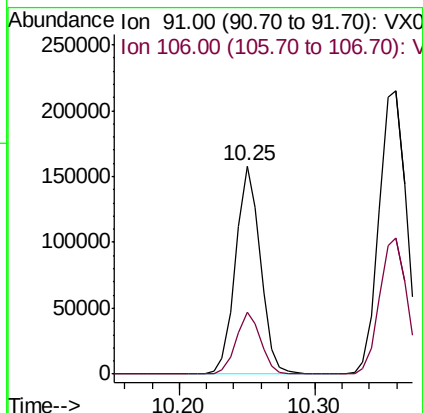
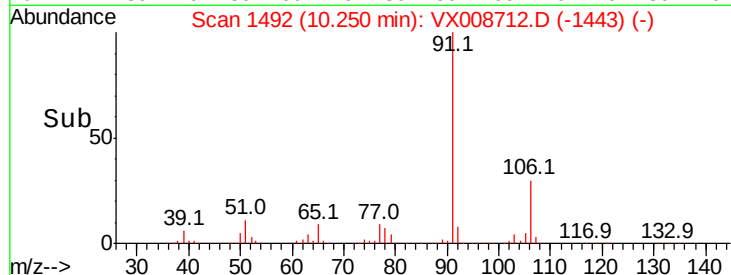
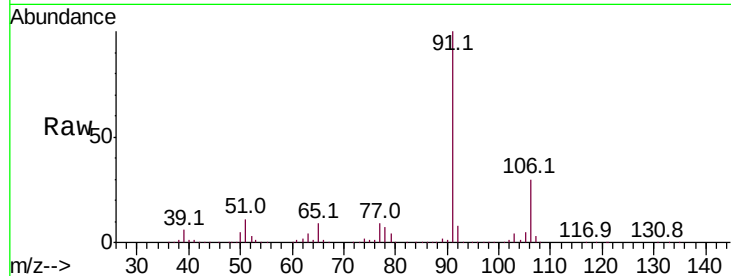
Ion Ratio Lower Upper

91 100

106 30.0 23.7 35.5

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 34.757 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008712.D

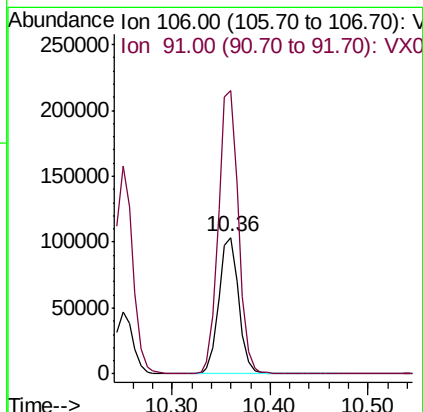
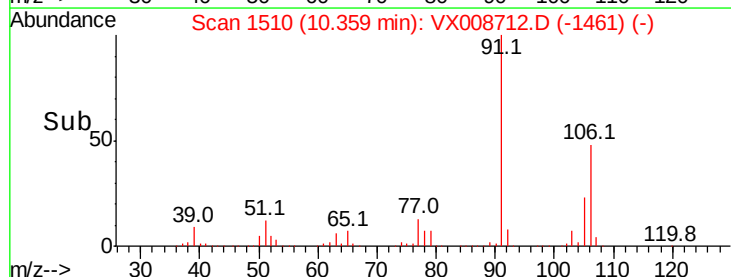
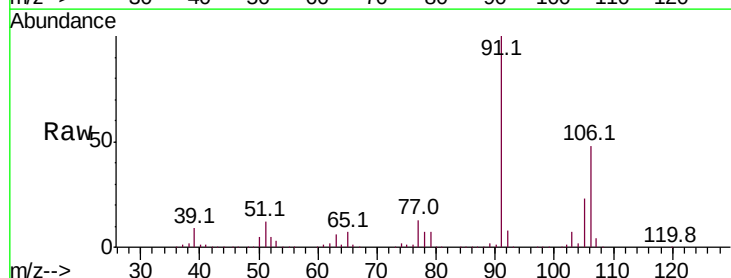
Acq: 06 Apr 2019 11:58

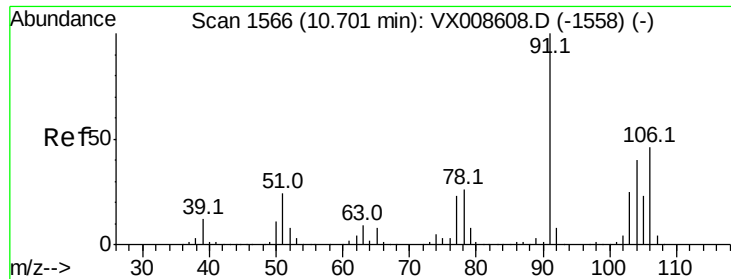
Tgt Ion: 106 Resp: 144840

Ion Ratio Lower Upper

106 100

91 210.3 168.5 252.7





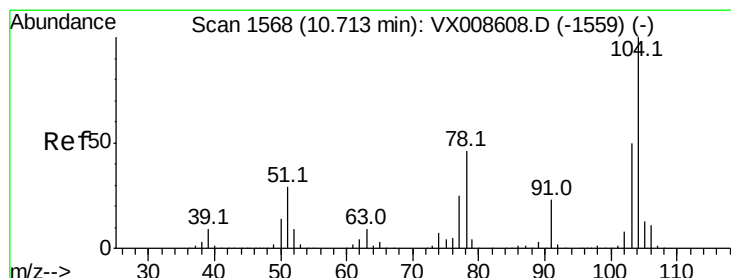
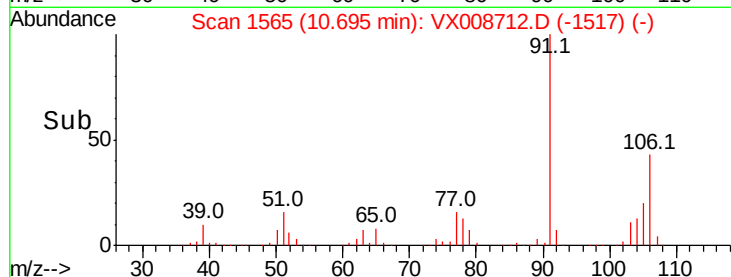
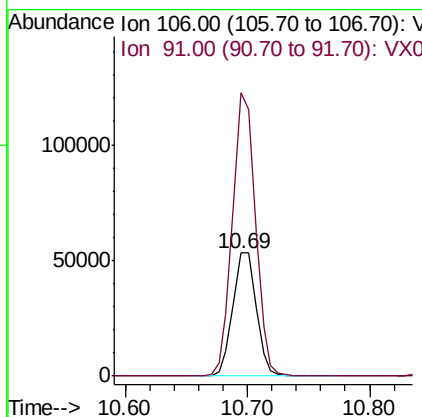
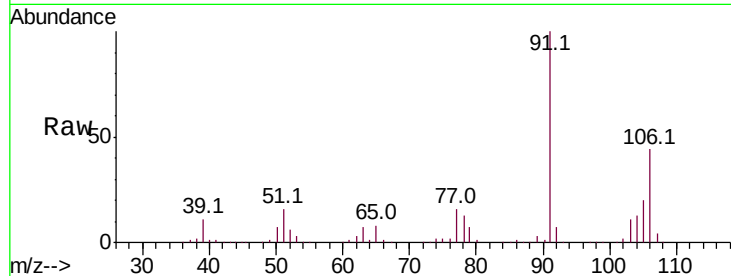
#69
o-Xylene
Concen: 17.583 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampled :
VX0406WBS01

Tot Ion:106 Resp: 71010
Ion Ratio Lower Upper
106 100
91 224.0 111.5 334.4

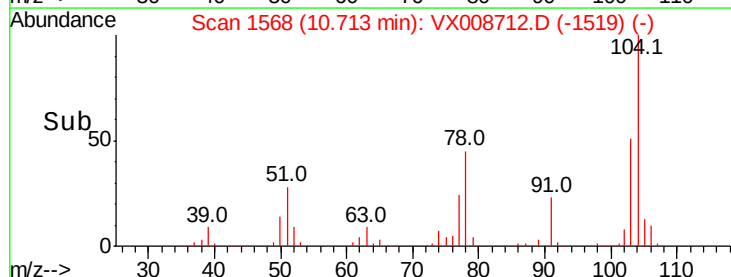
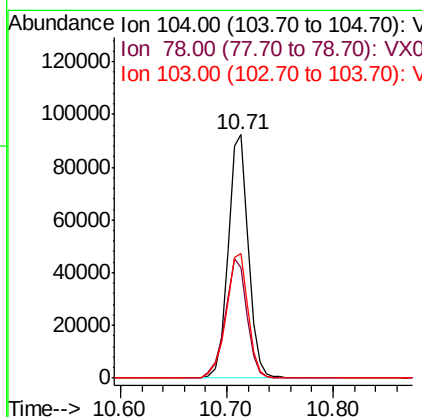
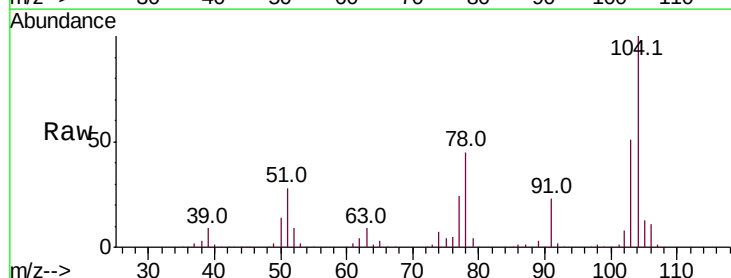
Manual Integrations
APPROVED

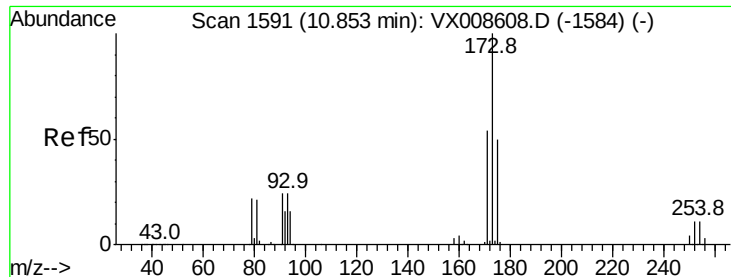
MMDadoda
4/9/2019 1:37:31 PM



#70
Styrene
Concen: 17.636 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion:104 Resp: 122770
Ion Ratio Lower Upper
104 100
78 52.8 42.3 63.5
103 55.5 44.4 66.6





#71

Bromoform

Concen: 17.633 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion:173 Resp: 29366

Ion Ratio Lower Upper

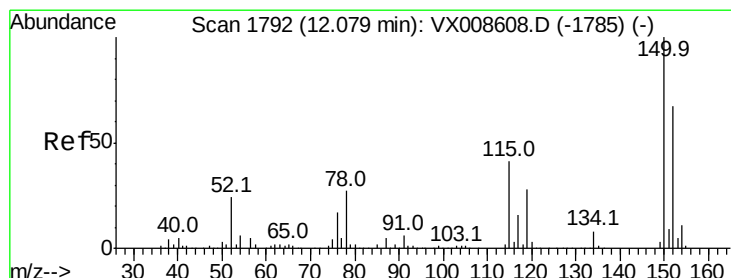
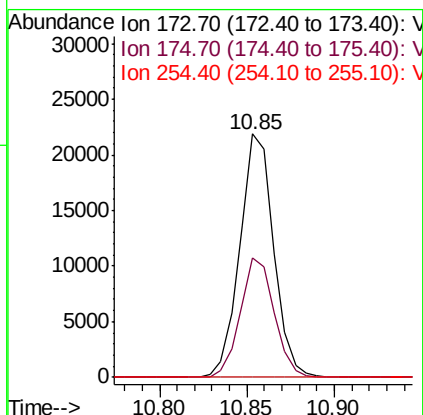
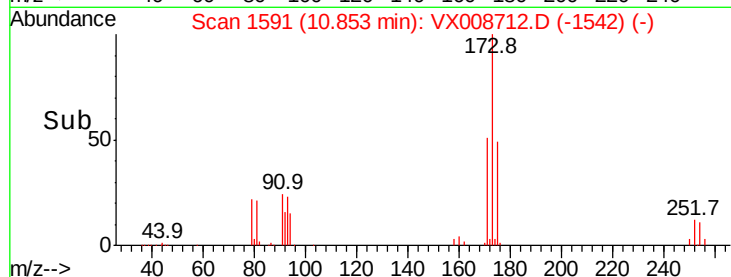
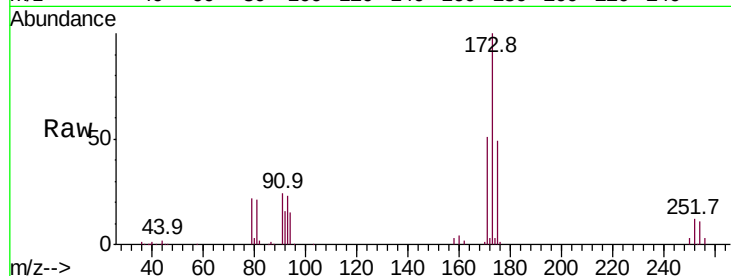
173 100

175 49.1 24.9 74.6

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
4/9/2019 1:37:31 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

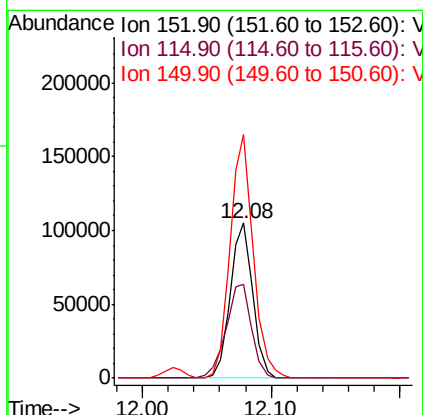
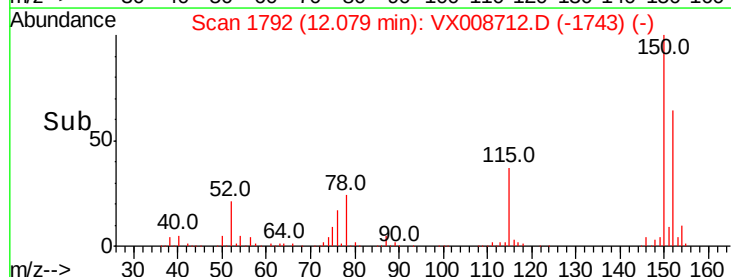
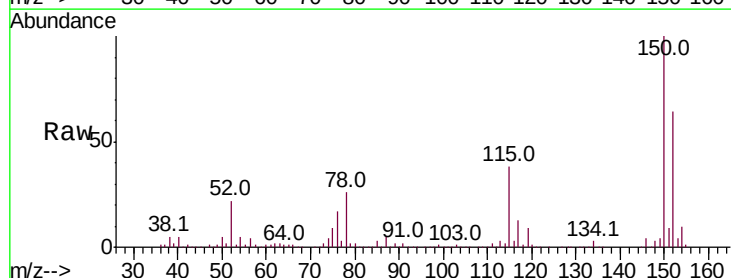
Tgt Ion:152 Resp: 127824

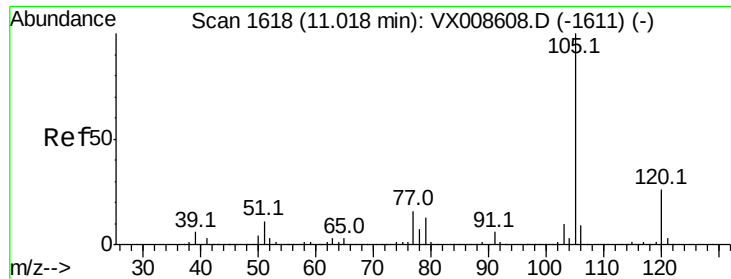
Ion Ratio Lower Upper

152 100

115 69.1 43.5 130.5

150 162.0 0.0 348.8





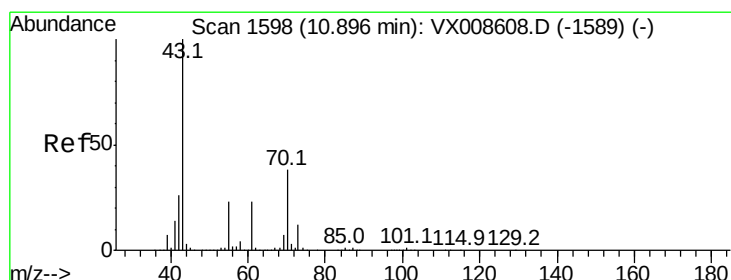
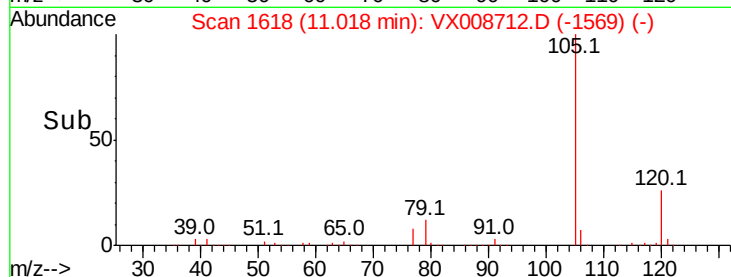
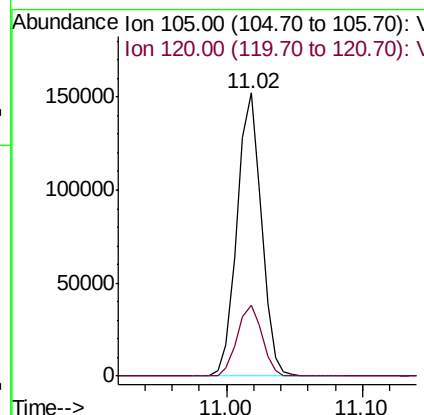
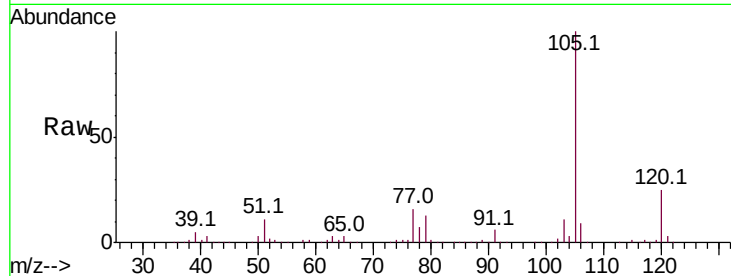
#73
Isopropylbenzene
Concen: 17.885 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion:105 Resp: 189456
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.6

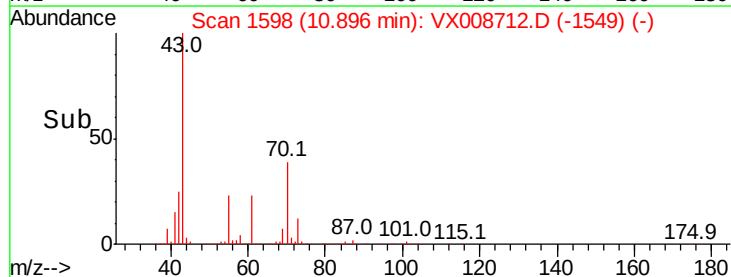
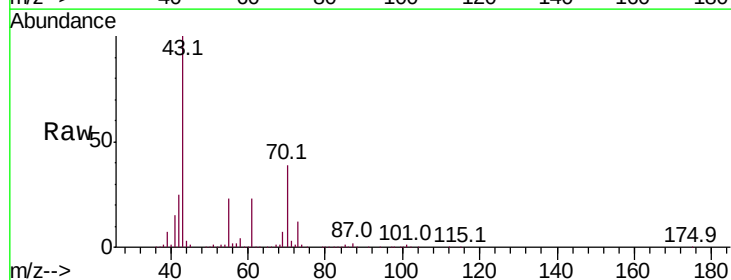
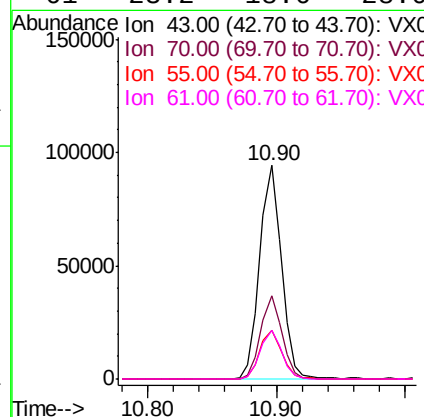
Manual Integrations
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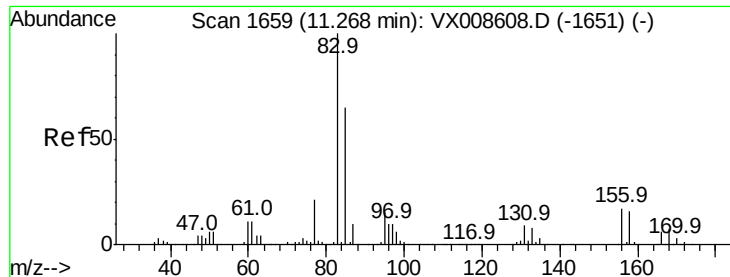
MMDadoda
4/9/2019 1:37:31 PM



#74
N-ethyl acetate
Concen: 17.580 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion: 43 Resp: 109564
Ion Ratio Lower Upper
43 100
70 38.3 30.2 45.4
55 23.3 18.2 27.4
61 23.2 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.535 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

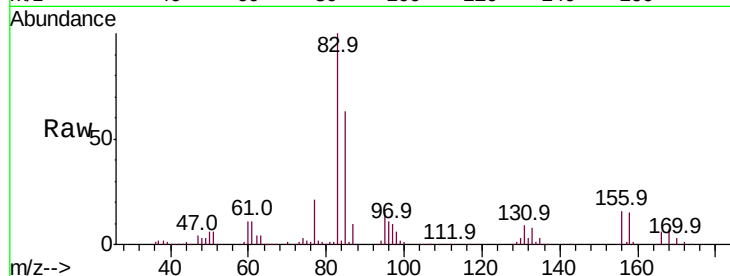
ClientSampleId :

VX0406WBS01

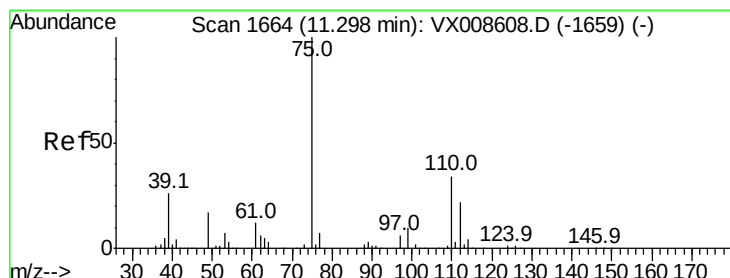
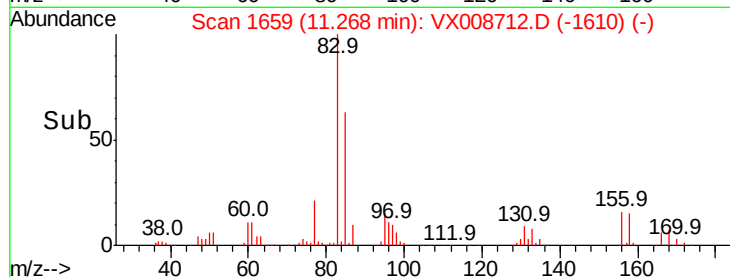
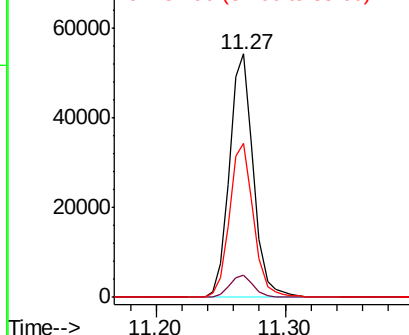
Tot Ion:	83	Resp:	70644
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.7
85	63.9	32.0	96.2

Manual Integrations
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4/9/2019 1:37:31 PM



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: 17.561 ug/l m

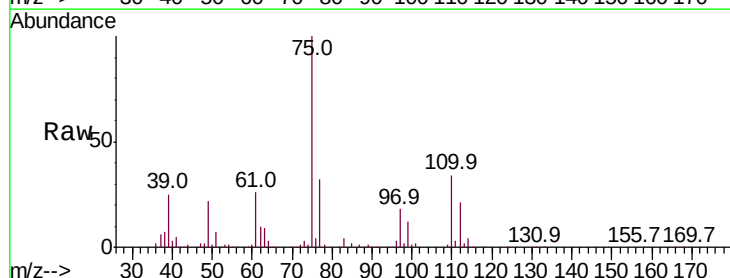
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

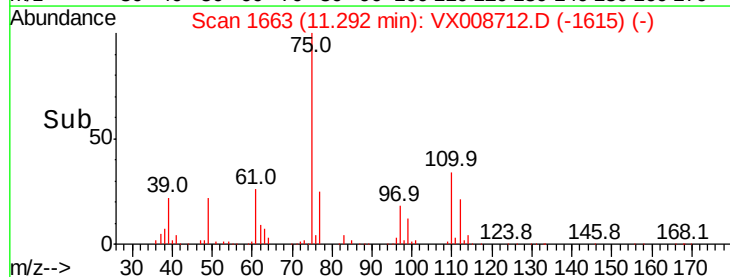
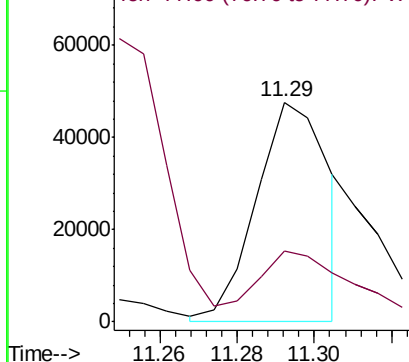
Lab File: VX008712.D

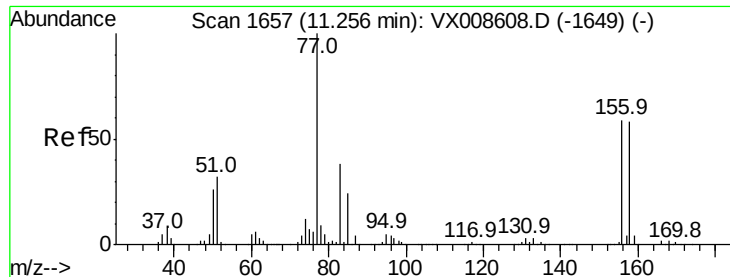
Acq: 06 Apr 2019 11:58

Tgt Ion:	75	Resp:	61663
Ion Ratio	Lower	Upper	
75	100		
77	43.4	22.3	66.8



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





#77

Bromobenzene

Concen: 17.771 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion:156 Resp: 45256

Ion Ratio Lower Upper

156 100

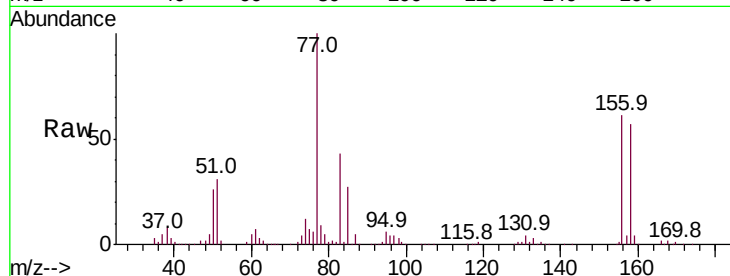
77 178.6 89.8 269.6

158 96.3 48.6 145.9

Manual Integrations
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MMDadoda

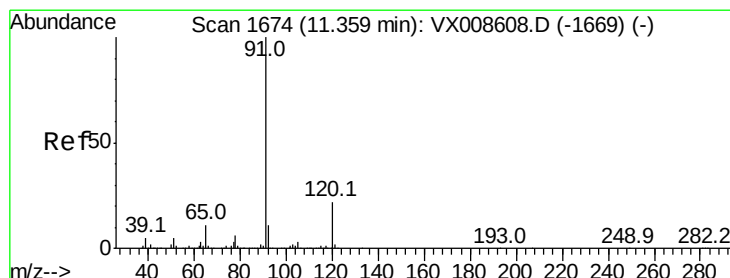
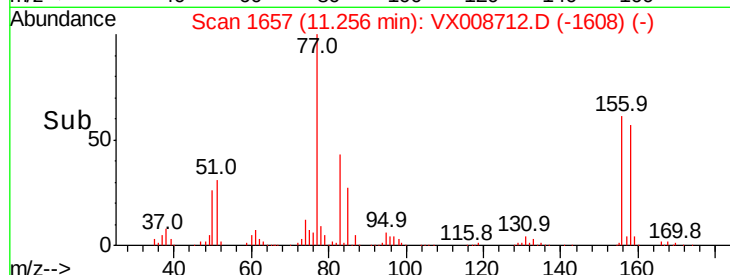
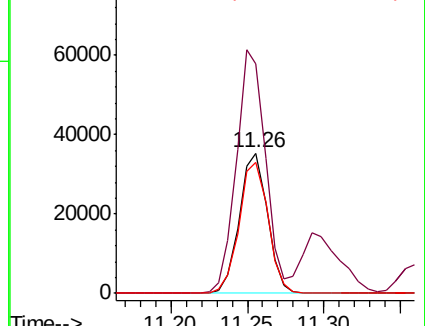
4/9/2019 1:37:31 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.511 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008712.D

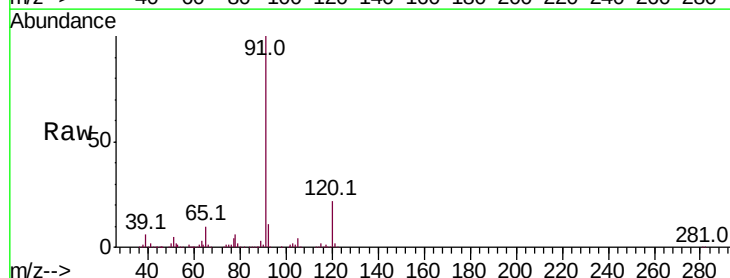
Acq: 06 Apr 2019 11:58

Tgt Ion: 91 Resp: 215992

Ion Ratio Lower Upper

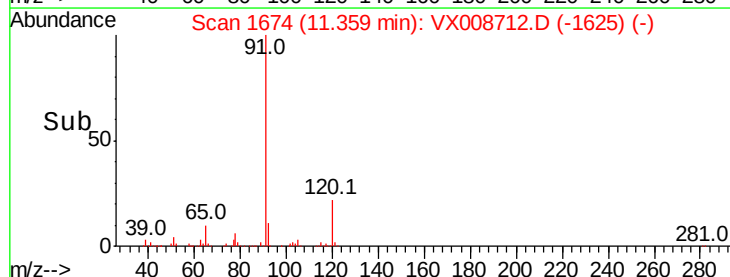
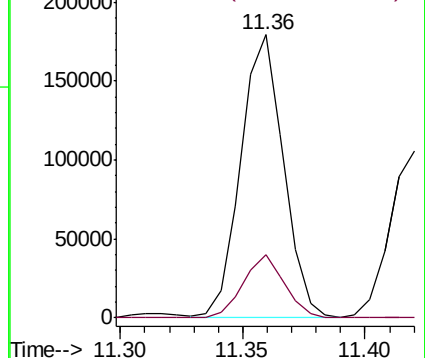
91 100

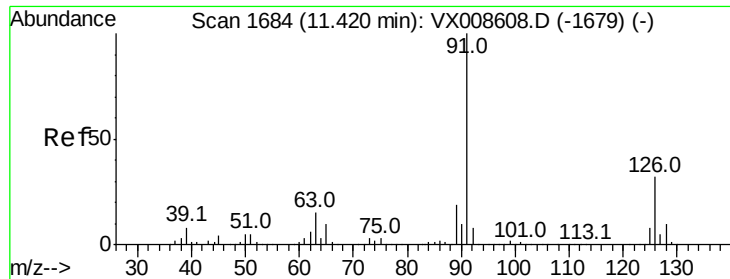
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





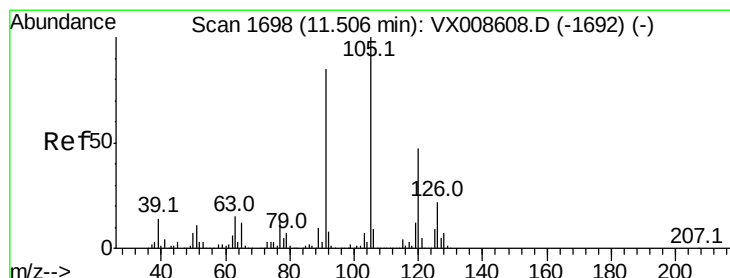
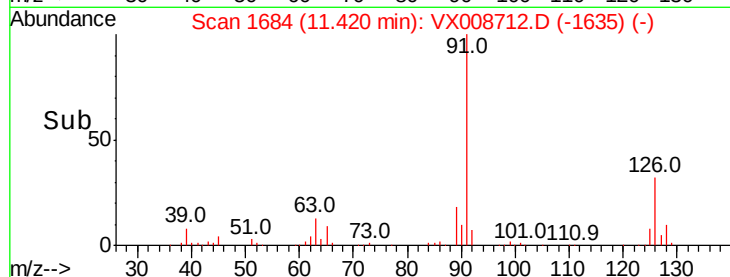
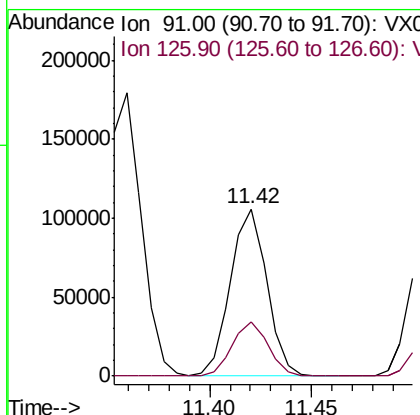
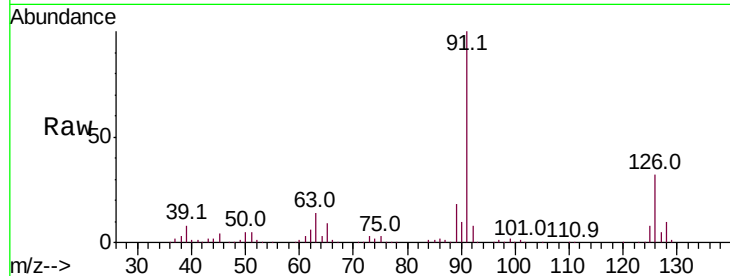
#79
2-Chlorotoluene
Concen: 17.467 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion: 91 Resp: 130375
Ion Ratio Lower Upper
91 100
126 32.3 16.1 48.3

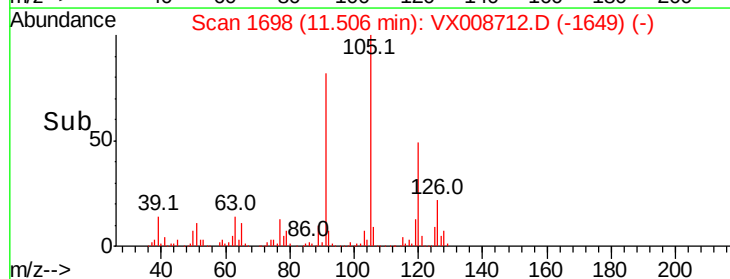
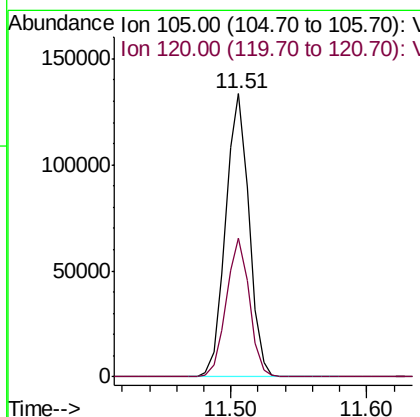
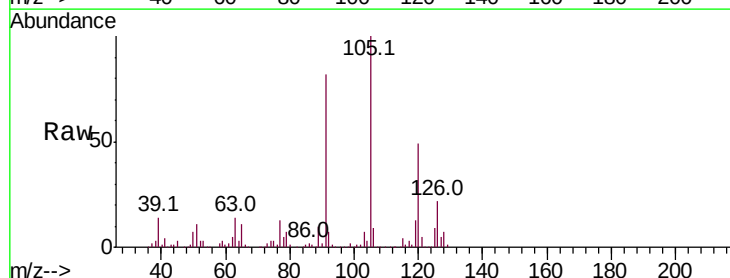
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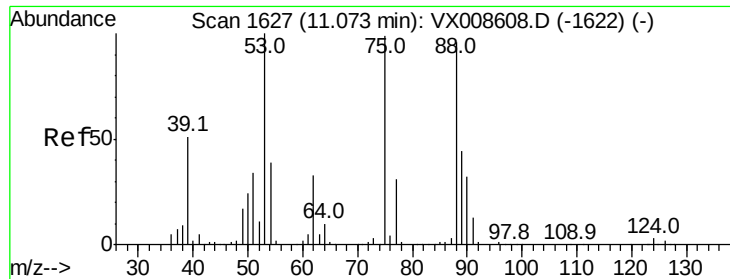
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#80
1,3,5-Trimethylbenzene
Concen: 17.880 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion: 105 Resp: 158991
Ion Ratio Lower Upper
105 100
120 48.2 23.5 70.6





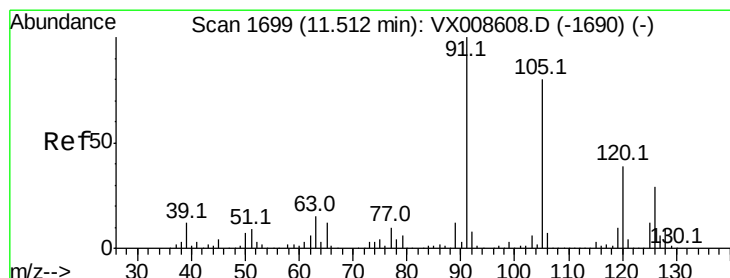
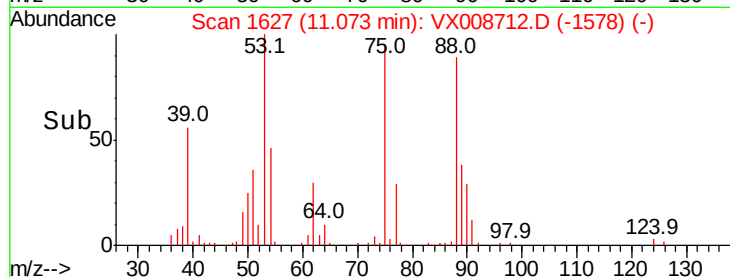
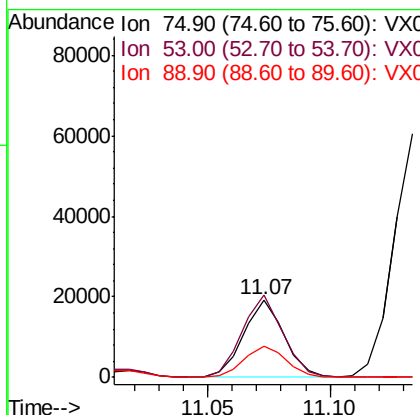
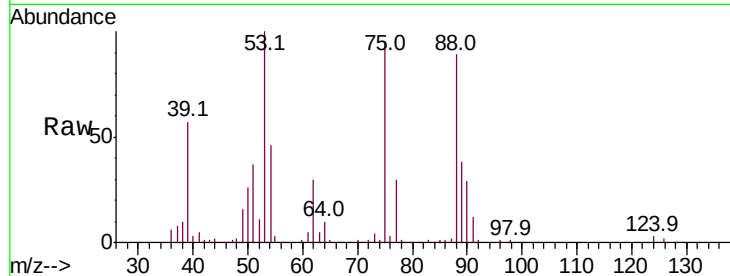
#81
trans-1,4-Dichloro-2-butene
Concen: 17.317 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.5	81.3	121.9
89	42.8	35.6	53.4

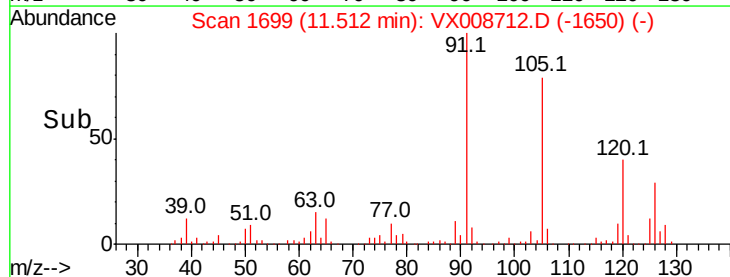
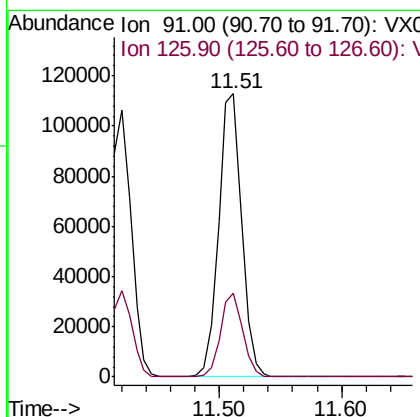
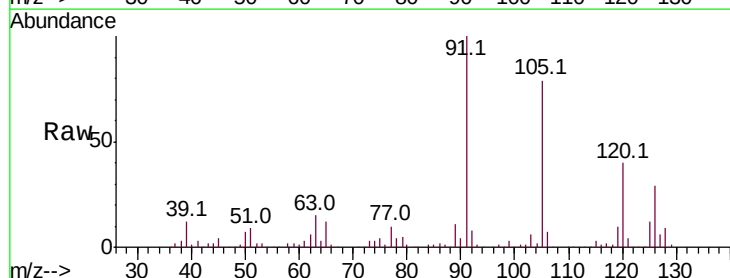
Manual Integrations
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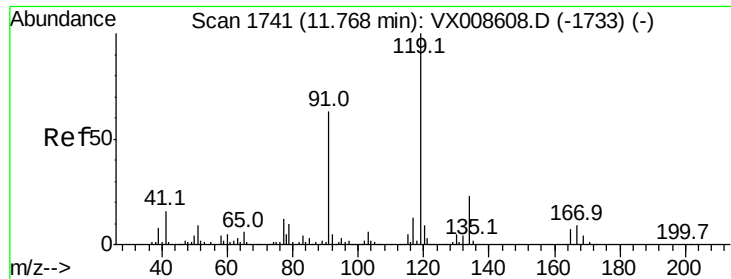
MMDadoda
4/9/2019 1:37:31 PM



#82
4-Chlorotoluene
Concen: 17.184 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	13.9	41.6





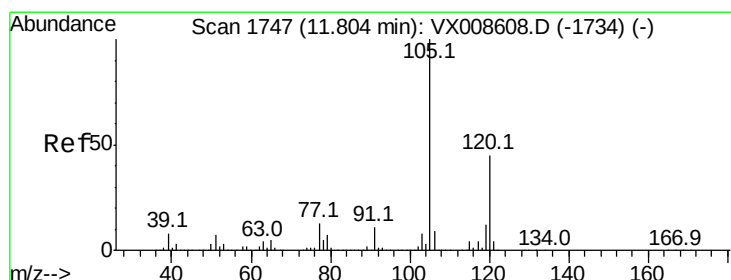
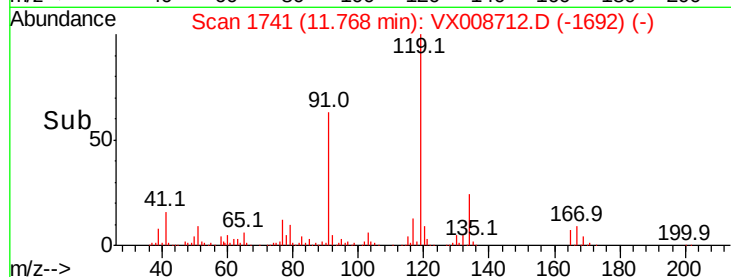
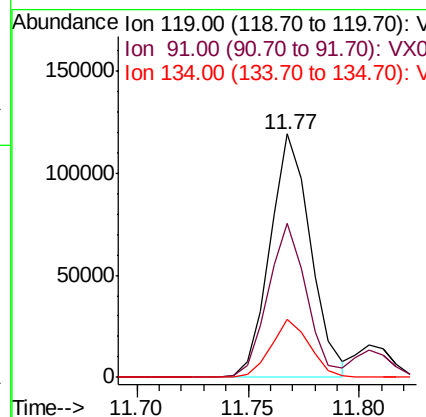
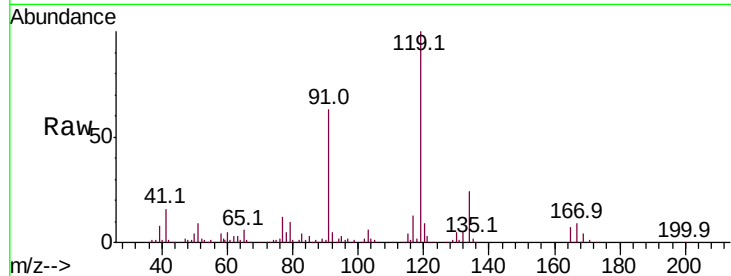
#83
 tert-Butylbenzene
 Concen: 17.647 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	150963		
91	60.2	30.0	90.1	
134	22.5	11.1	33.3	

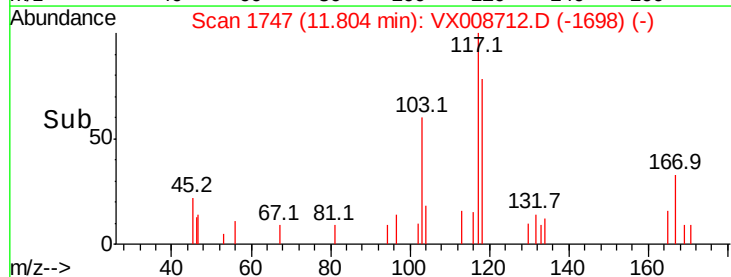
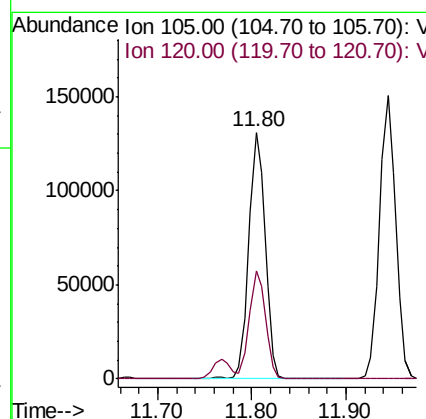
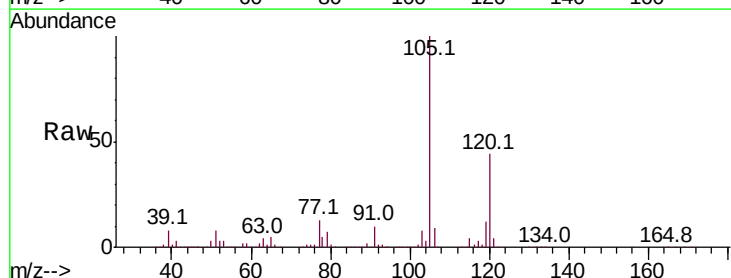
Manual Integrations
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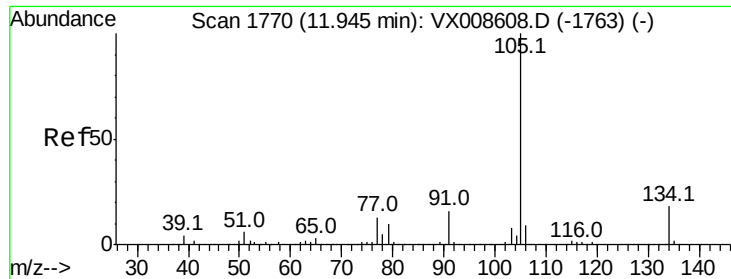
MMDadoda
 4/9/2019 1:37:31 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 17.767 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	159967		
120	42.8	21.8	65.3	





#85

sec-Butylbenzene

Concen: 17.818 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBS01

Tot Ion:105 Resp: 181061

Ion Ratio Lower Upper

105 100

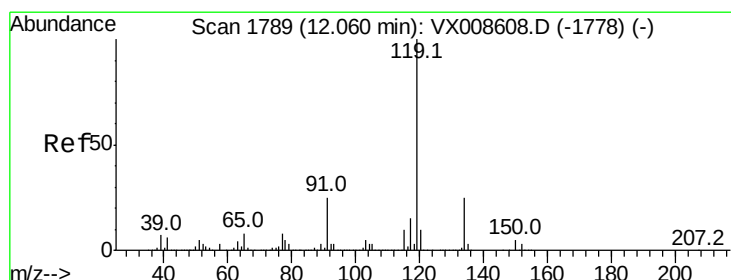
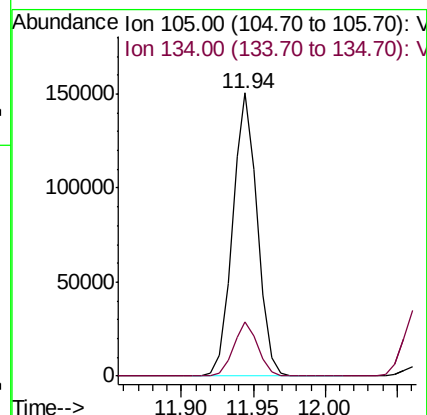
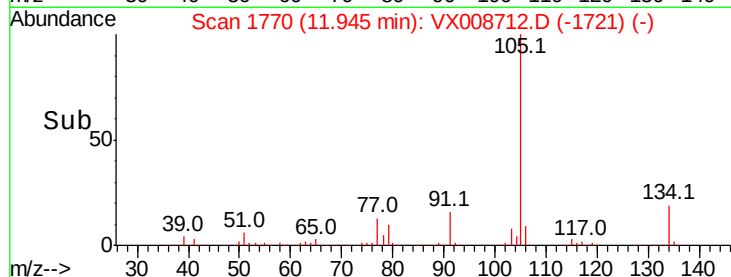
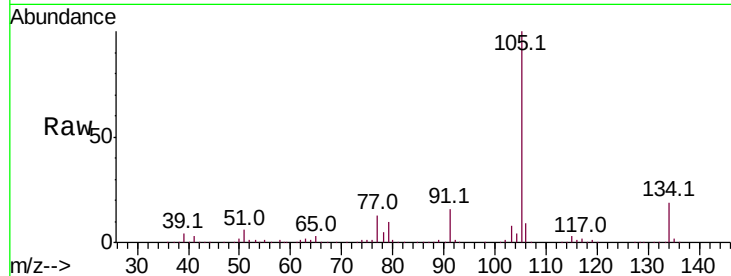
134 19.1 9.4 28.2

Manual Integrations

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4/9/2019 1:37:31 PM



#86

p-Isopropyltoluene

Concen: 17.769 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

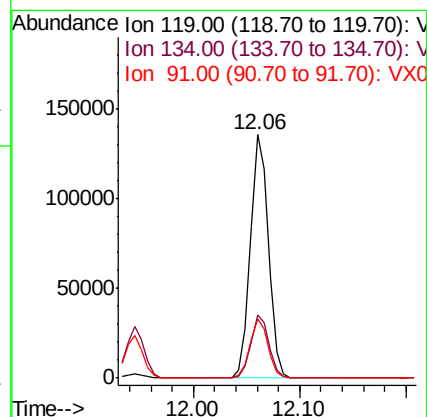
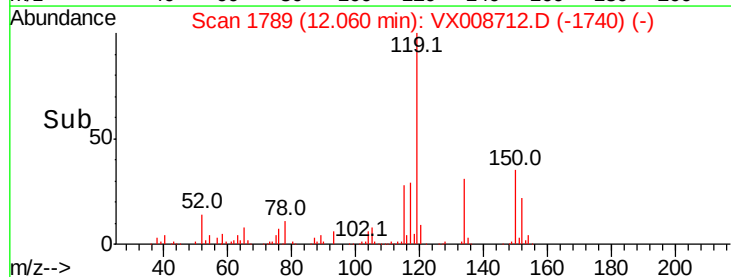
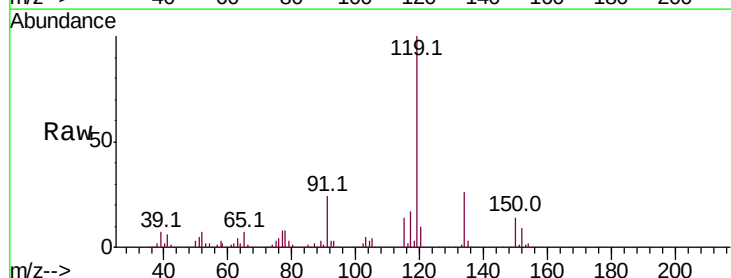
Tgt Ion:119 Resp: 162066

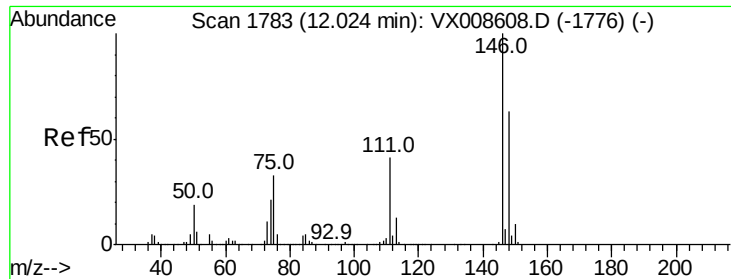
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.5 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 17.050 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

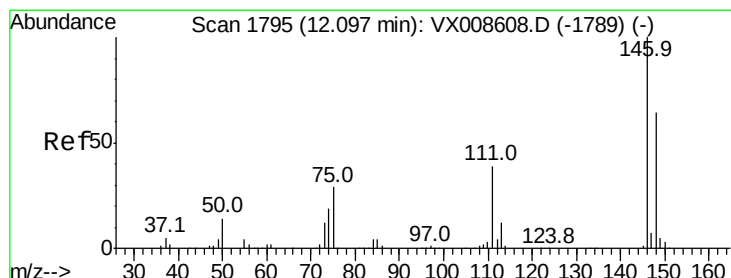
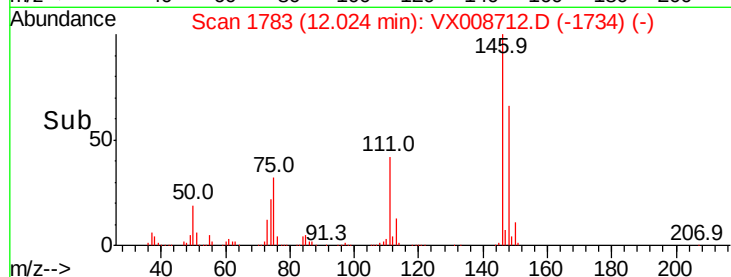
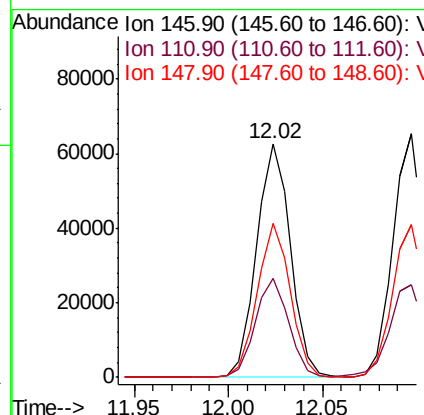
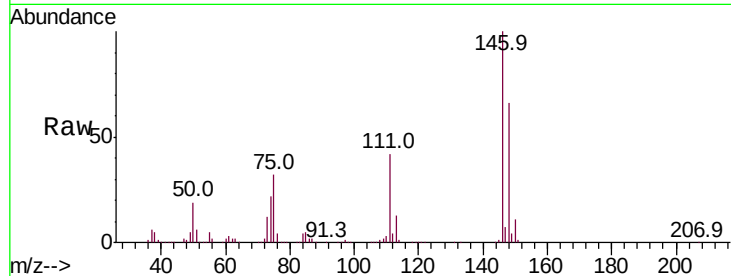
ClientSampled :

VX0406WBS01

Tot Ion:	146	Resp:	77733
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.5	61.5
148	64.7	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 16.902 ug/l

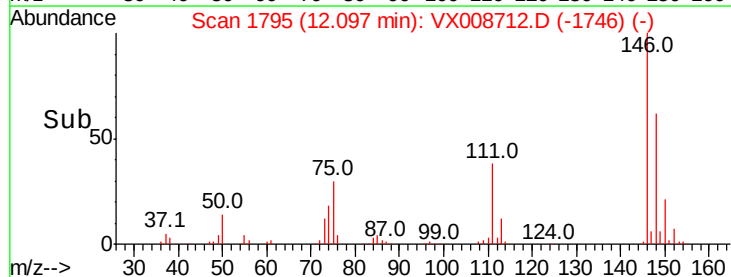
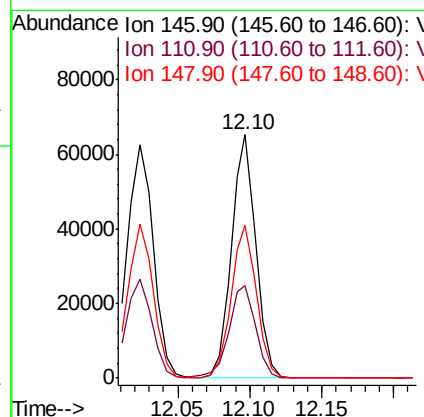
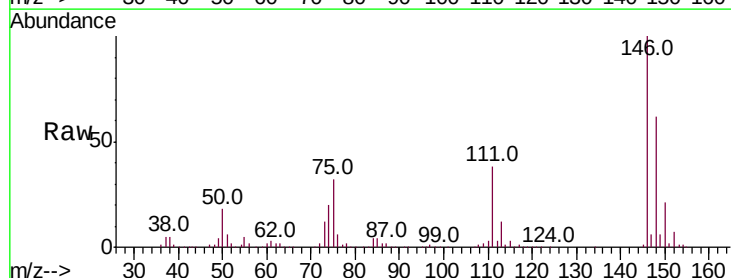
RT: 12.10 min Scan# 1795

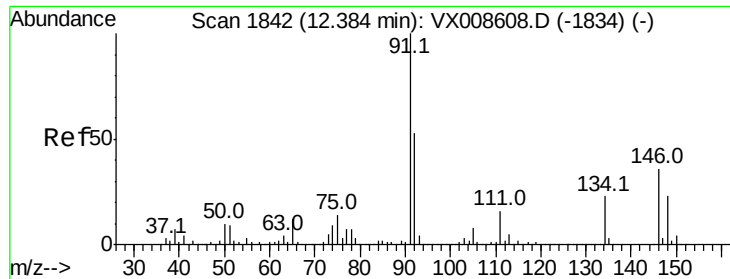
Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Tgt Ion:	146	Resp:	78029
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.2	60.6
148	64.9	32.0	96.0





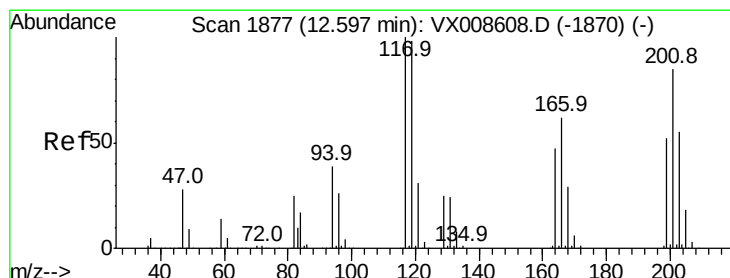
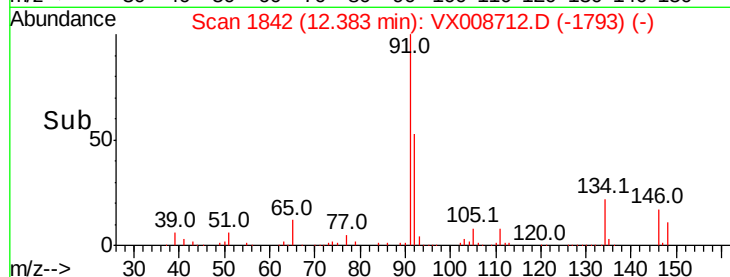
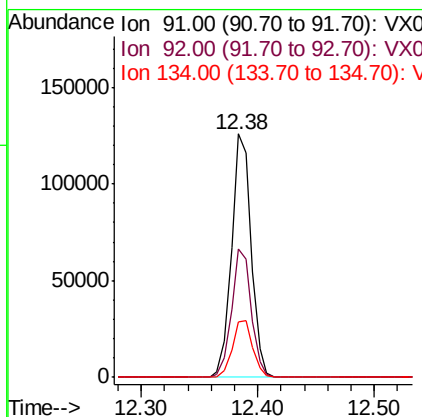
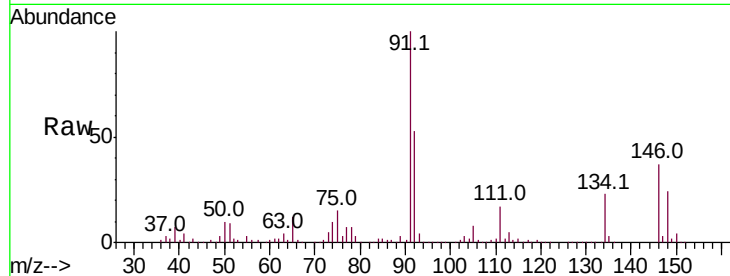
#89
n-Butylbenzene
Concen: 17.277 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	24.0	12.0	36.0

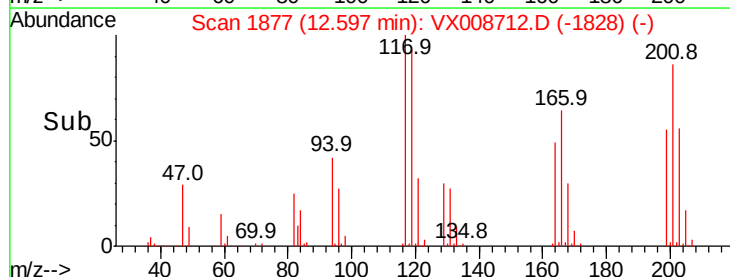
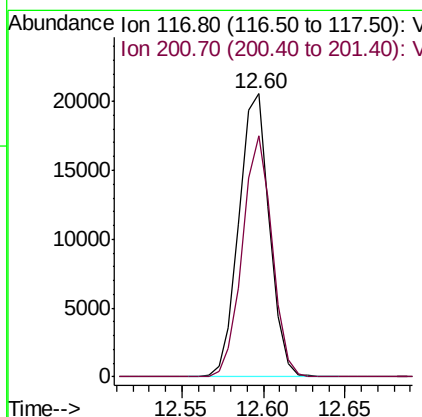
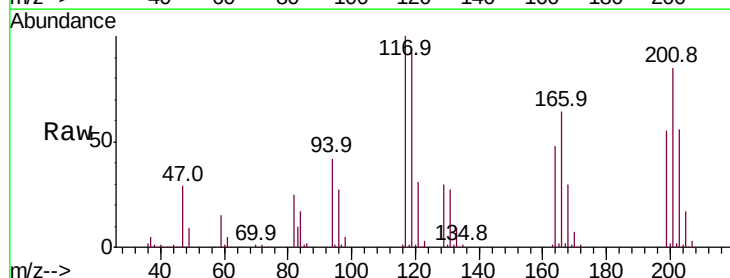
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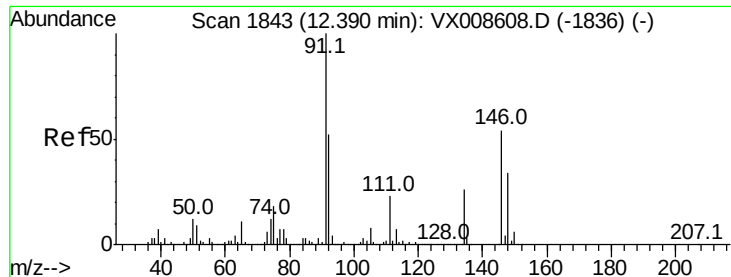
MMDadoda
4/9/2019 1:37:31 PM



#90
Hexachloroethane
Concen: 17.754 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008712.D
Acq: 06 Apr 2019 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	40.6	122.0





#91

1,2-Dichlorobenzene

Concen: 17.370 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

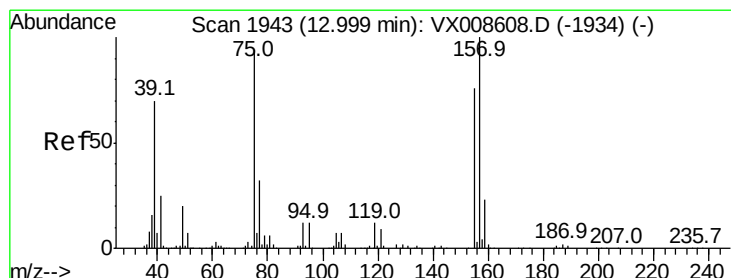
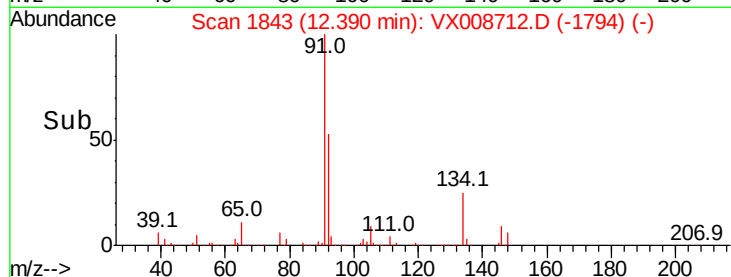
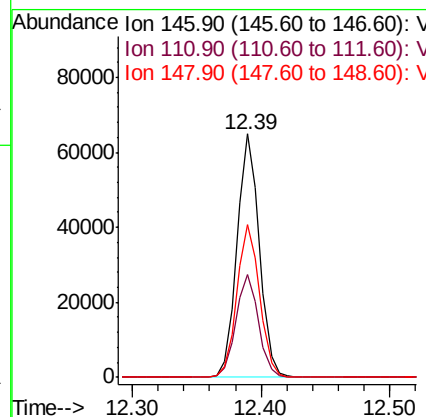
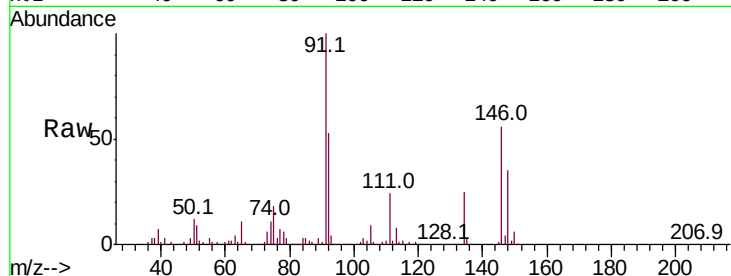
ClientSampleId :

VX0406WBS01

Tot Ion:	146	Resp:	78624
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	63.8	31.7	95.1

Manual Integrations
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4/9/2019 1:37:31 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.337 ug/l

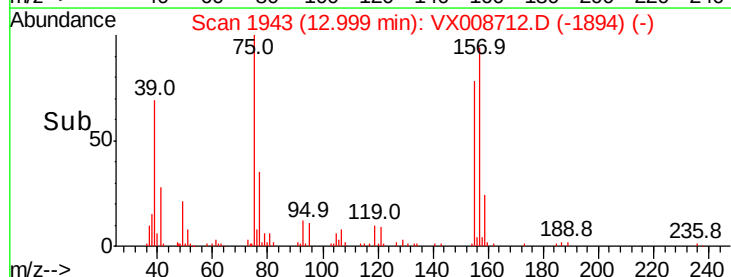
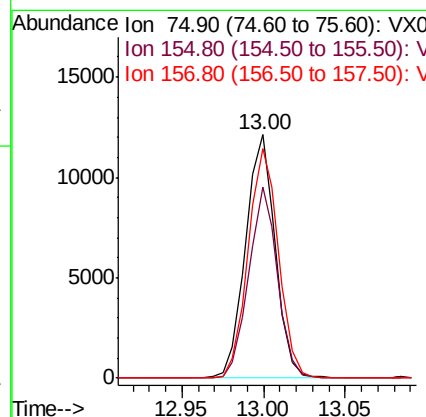
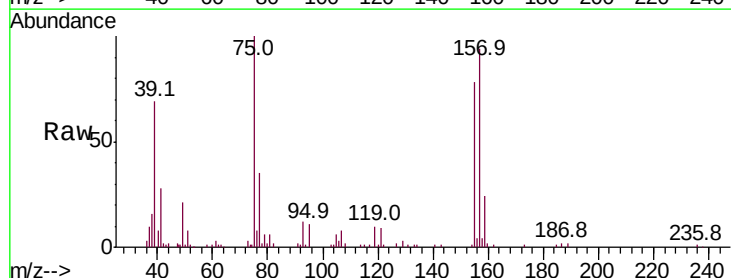
RT: 13.00 min Scan# 1943

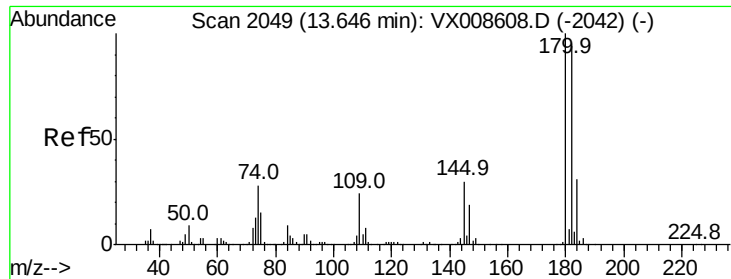
Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Tgt Ion:	75	Resp:	15365
Ion	Ratio	Lower	Upper
75	100		
155	76.0	39.9	119.6
157	96.6	51.5	154.7





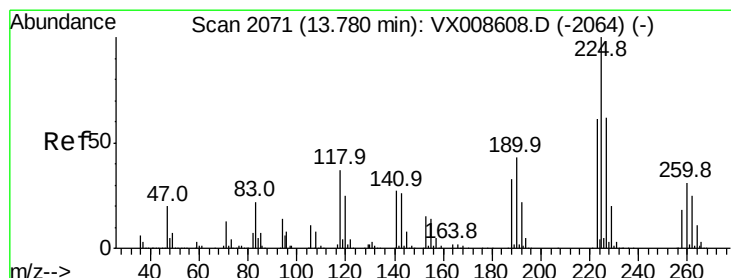
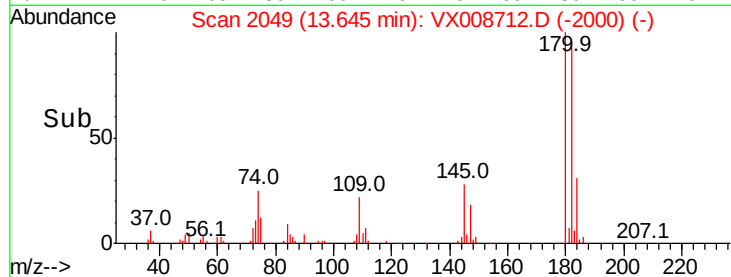
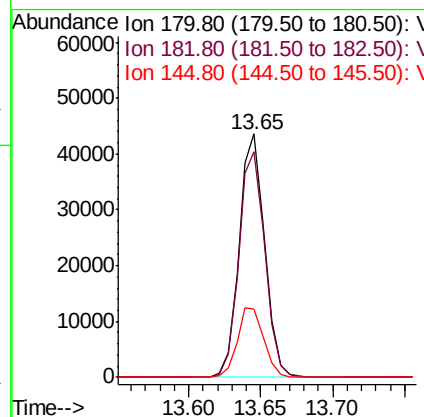
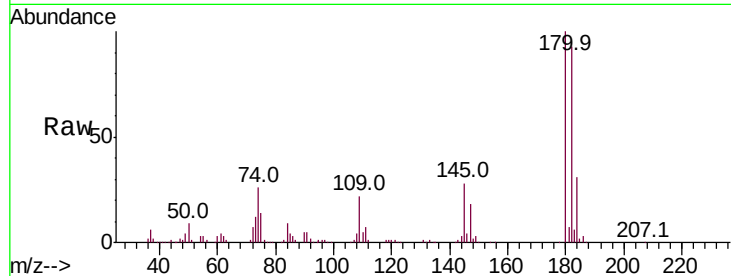
#93
 1,2,4-Trichlorobenzene
 Concen: 17.012 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBS01

Tot Ion:	180	Resp:	53542
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.2	141.6
145	29.7	15.3	45.9

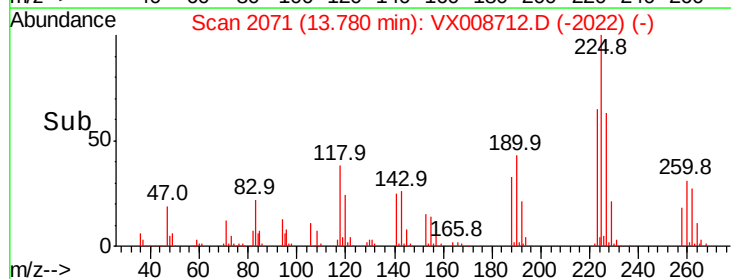
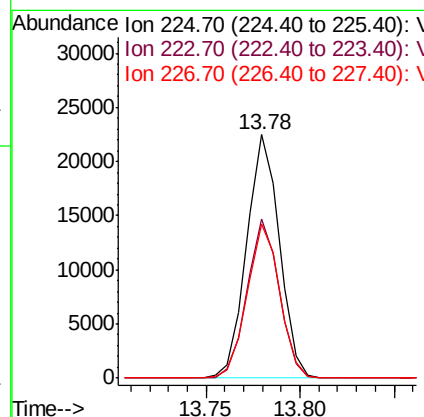
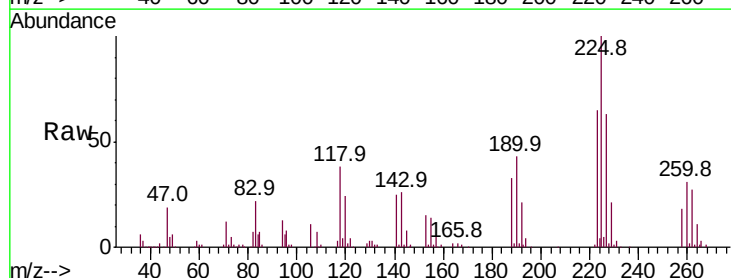
Manual Integrations
 APPROVED

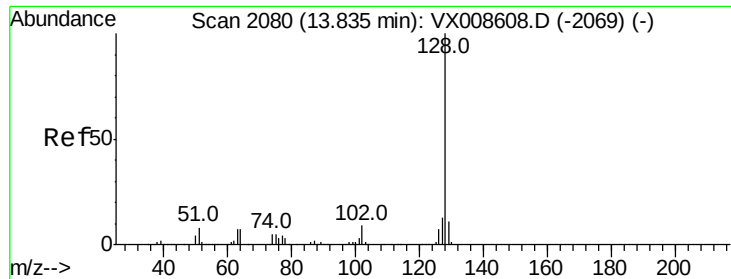
MMDadoda
 4/9/2019 1:37:31 PM



#94
 Hexachlorobutadiene
 Concen: 17.943 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008712.D
 Acq: 06 Apr 2019 11:58

Tgt Ion:	225	Resp:	27082
Ion Ratio	Lower	Upper	
225	100		
223	64.0	31.2	93.6
227	62.9	31.9	95.5





#95

Naphthalene

Concen: 16.979 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Instrument :

MSVOA_X

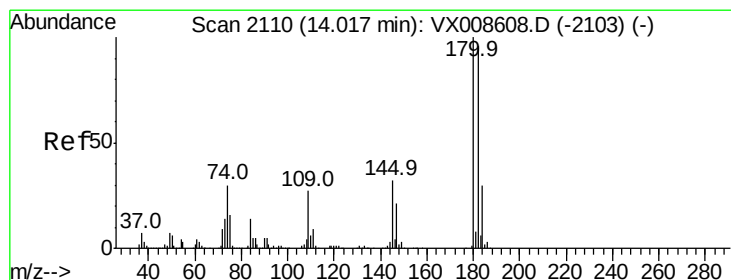
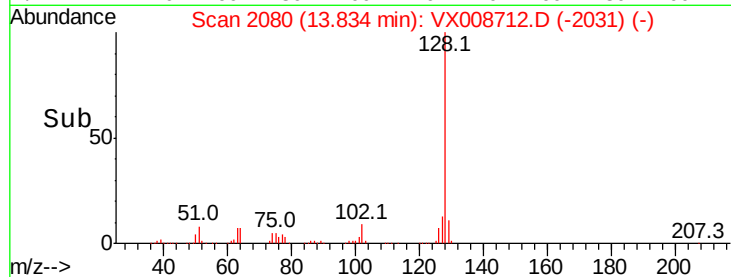
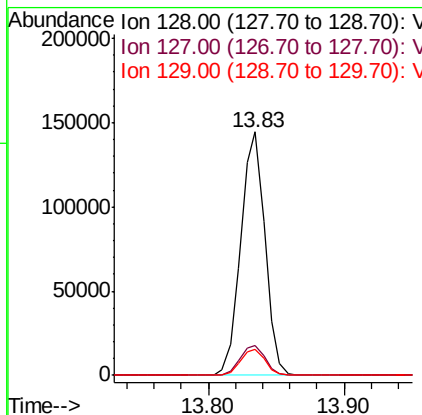
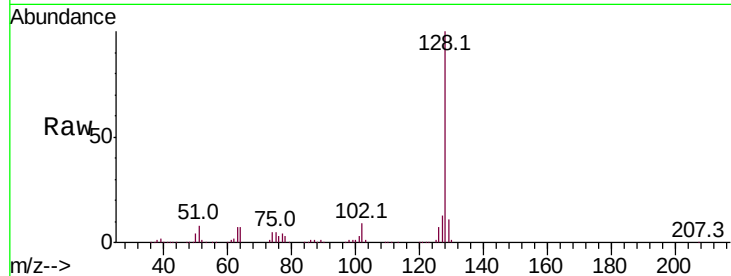
ClientSampleId :

VX0406WBS01

Tot Ion:	128	Resp:	178600
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/9/2019 1:37:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.673 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008712.D

Acq: 06 Apr 2019 11:58

Tgt Ion:	180	Resp:	52429
Ion Ratio	Lower	Upper	
180	100		
182	97.0	48.1	144.3
145	32.2	16.3	48.8

