

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032619\
 Data File : VX008465.D
 Acq On : 26 Mar 2019 19:31
 Operator : JC/SP
 Sample : K2088-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104MSD

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 10:41:57 AM

Quant Time: Mar 27 03:27:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	192281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	326357	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	288419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	137600	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
35) Dibromofluoromethane	5.50	113	102373	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	8.71	98	402259	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
62) 4-Bromofluorobenzene	11.13	95	150294	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	100208	44.213	ug/l 98
3) Chloromethane	1.32	50	123013	42.917	ug/l 98
4) Vinyl Chloride	1.40	62	138964	43.912	ug/l 98
5) Bromomethane	1.64	94	1076	2.432	ug/l 89
6) Chloroethane	1.71	64	84876	45.274	ug/l 99
7) Trichlorofluoromethane	1.92	101	160014	44.646	ug/l 98
8) Diethyl Ether	2.18	74	75298	44.393	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	99854	46.100	ug/l 99
10) Methyl Iodide	2.51	142	503	4.348	ug/l # 94
11) Tert butyl alcohol	3.05	59	151626	234.771	ug/l 100
12) 1,1-Dichloroethene	2.37	96	100822	45.071	ug/l 94
13) Acrolein	2.29	56	12454	26.554	ug/l 87
14) Allyl chloride	2.73	41	109010	22.119	ug/l 89
15) Acrylonitrile	3.14	53	389335	229.896	ug/l 100
16) Acetone	2.44	43	368194	241.668	ug/l 99
17) Carbon Disulfide	2.57	76	299172	46.587	ug/l 99
18) Methyl Acetate	2.77	43	240768	65.799	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	381771	47.360	ug/l 98
20) Methylene Chloride	2.85	84	121871	48.999	ug/l 97
21) trans-1,2-Dichloroethene	3.17	96	108069	48.475	ug/l 99
22) Diisopropyl ether	3.85	45	453039	46.686	ug/l 96
23) Vinyl Acetate	3.81	43	1705032	201.393	ug/l 100
24) 1,1-Dichloroethane	3.70	63	225554	46.040	ug/l 99
25) 2-Butanone	4.67	43	572344	234.324	ug/l 100
26) 2,2-Dichloropropane	4.58	77	132246	40.585	ug/l 98
27) cis-1,2-Dichloroethene	4.60	96	126040	46.077	ug/l 98
28) Bromochloromethane	5.01	49	115307	47.640	ug/l 99
29) Tetrahydrofuran	5.13	42	372528	231.412	ug/l 100
30) Chloroform	5.21	83	206479	46.701	ug/l 98
31) Cyclohexane	5.58	56	212389	45.455	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	166406	47.086	ug/l 99
36) 1,1-Dichloropropene	5.80	75	158129	45.443	ug/l 99
37) Ethyl Acetate	4.83	43	207320	45.991	ug/l 99
38) Carbon Tetrachloride	5.79	117	136459	46.991	ug/l 99

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	189291	45.519	ug/l	99
40) Benzene	6.14	78	484808	46.539	ug/l	99
41) Methacrylonitrile	5.04	41	123663	48.815	ug/l	99
42) 1,2-Dichloroethane	6.19	62	173331	45.445	ug/l	100
43) Isopropyl Acetate	6.45	43	341636	47.381	ug/l	100
44) Trichloroethene	7.21	130	112086	45.825	ug/l	100
45) 1,2-Dichloropropane	7.51	63	138358	46.727	ug/l	100
46) Dibromomethane	7.66	93	79695	46.091	ug/l	99
47) Bromodichloromethane	7.90	83	160539	48.507	ug/l	97
48) Methyl methacrylate	7.77	41	179663	49.799	ug/l	99
49) 1,4-Dioxane	7.74	88	63244	881.634	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1156201	246.883	ug/l	100
52) Toluene	8.78	92	294541	47.287	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	50201	13.848	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	5287	1.283	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	118801	46.854	ug/l	99
56) Ethyl methacrylate	9.18	69	218807	47.807	ug/l	99
57) 1,3-Dichloropropane	9.37	76	211540	46.533	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	572265	241.884	ug/l	99
59) 2-Hexanone	9.49	43	905407	249.506	ug/l	99
60) Dibromochloromethane	9.58	129	115211	47.779	ug/l	99
61) 1,2-Dibromoethane	9.67	107	120879	46.715	ug/l	99
64) Tetrachloroethene	9.34	164	99786	51.104	ug/l	98
65) Chlorobenzene	10.14	112	296781	47.317	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	104673	48.370	ug/l	99
67) Ethyl Benzene	10.25	91	561211	47.409	ug/l	100
68) m/p-Xylenes	10.36	106	406568	94.409	ug/l	100
69) o-Xylene	10.70	106	201850	48.300	ug/l	99
70) Styrene	10.71	104	350844	48.601	ug/l	100
71) Bromoform	10.85	173	84625	49.518	ug/l	100
73) Isopropylbenzene	11.02	105	521885	46.399	ug/l	100
74) N-amyl acetate	10.90	43	293124	45.025	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	203649	46.665	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	159167m	38.725	ug/l	
77) Bromobenzene	11.26	156	125239	45.878	ug/l	99
78) n-propylbenzene	11.36	91	619425	47.012	ug/l	100
79) 2-Chlorotoluene	11.42	91	369596	46.118	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	446319	46.936	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	6176	4.813	ug/l #	60
82) 4-Chlorotoluene	11.51	91	426260	46.111	ug/l	100
83) tert-Butylbenzene	11.77	119	411187	44.819	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	441679	45.922	ug/l	100
85) sec-Butylbenzene	11.94	105	502755	46.017	ug/l	99
86) p-Isopropyltoluene	12.06	119	451250	46.808	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	223879	45.901	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	224681	45.645	ug/l	100
89) n-Butylbenzene	12.38	91	424118	46.441	ug/l	100
90) Hexachloroethane	12.60	117	72668	45.246	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	227204	46.517	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46602	48.974	ug/l	99

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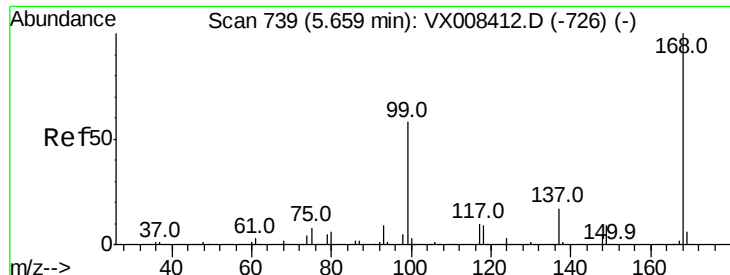
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	155222	47.203	ug/l	99
94) Hexachlorobutadiene	13.78	225	70433	45.108	ug/l	99
95) Naphthalene	13.83	128	538811	47.792	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	158252	47.892	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: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion:168 Resp: 192281

Ion Ratio Lower Upper

168 100

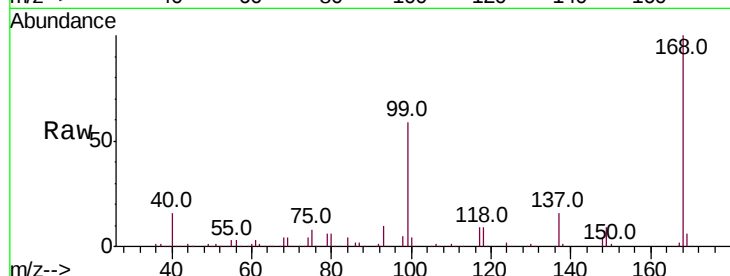
99 59.1 46.0 69.0

Manual Integrations

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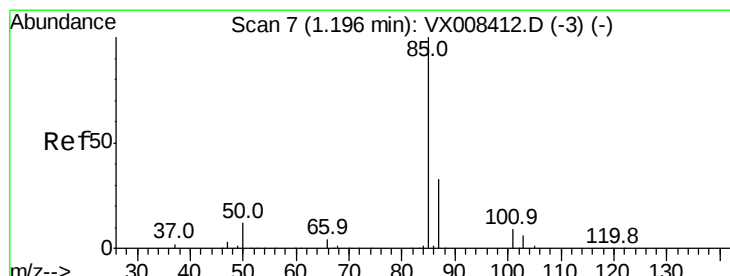
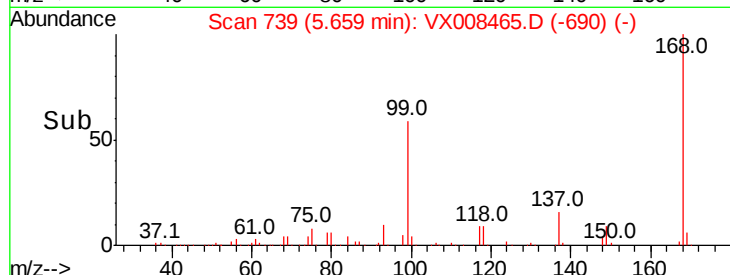


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 44.213 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008465.D

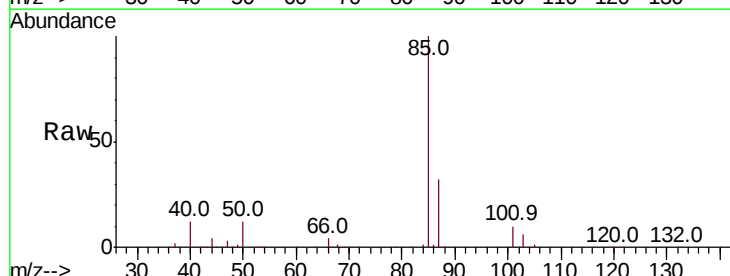
Acq: 26 Mar 2019 19:31

Tgt Ion: 85 Resp: 100208

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1

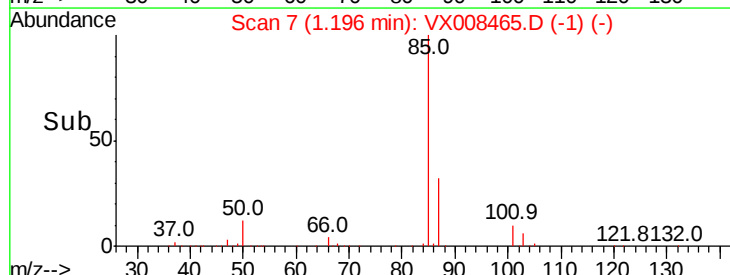


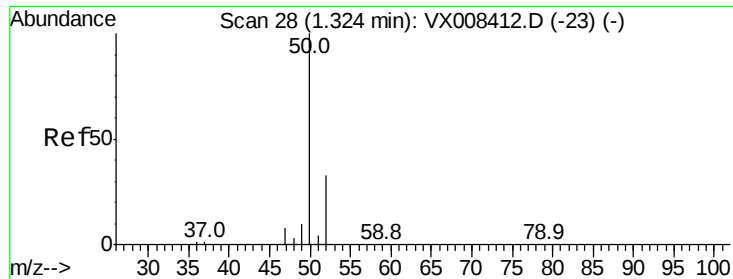
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 42.917 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 50 Resp: 123013

Ion Ratio Lower Upper

50 100

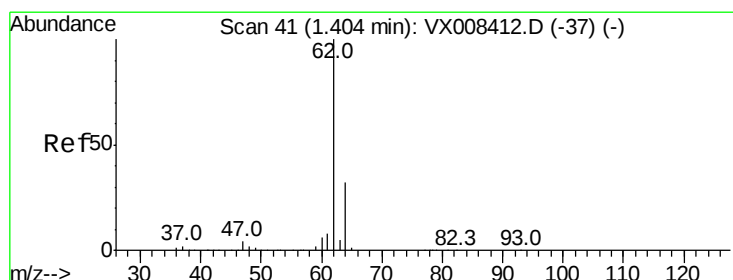
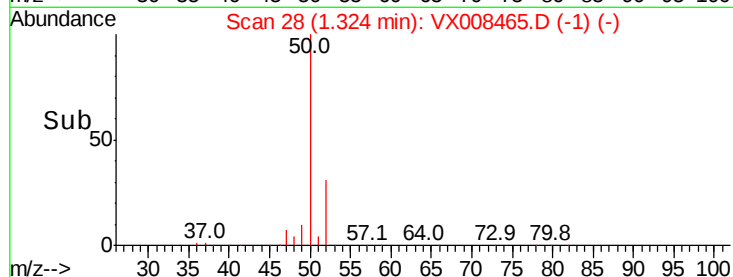
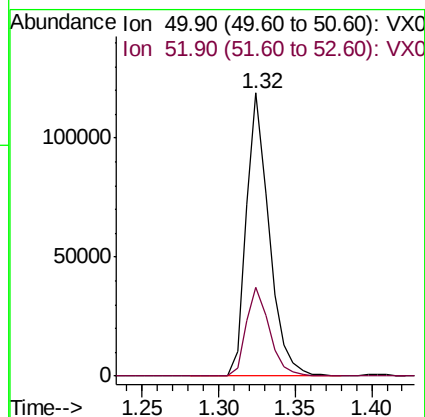
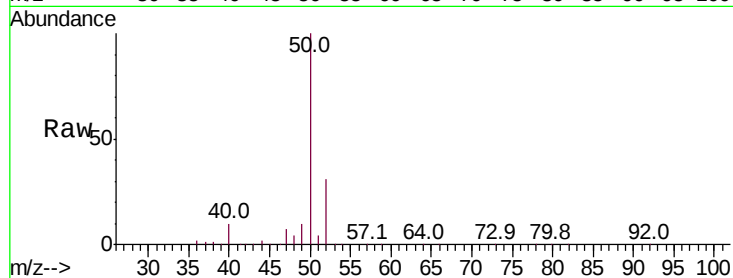
52 31.4 26.2 39.2

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#4

Vinyl Chloride

Concen: 43.912 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008465.D

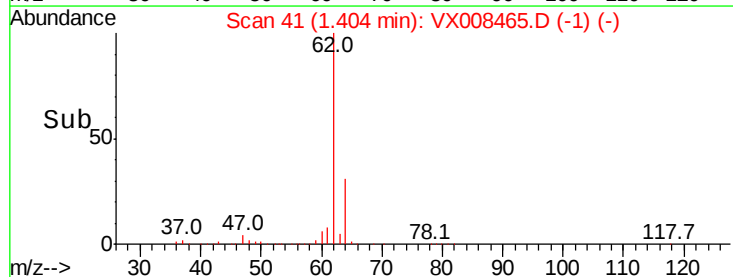
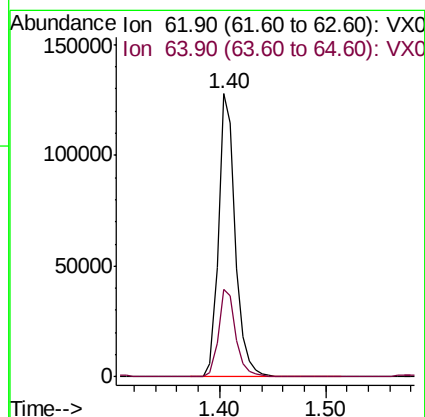
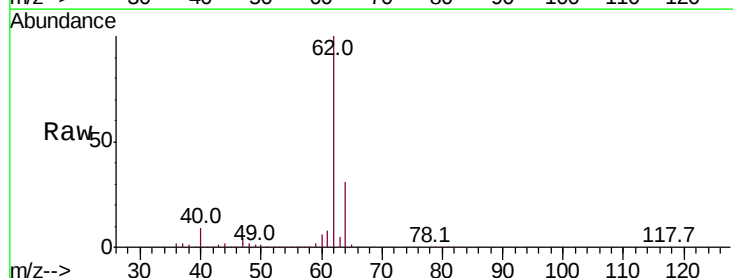
Acq: 26 Mar 2019 19:31

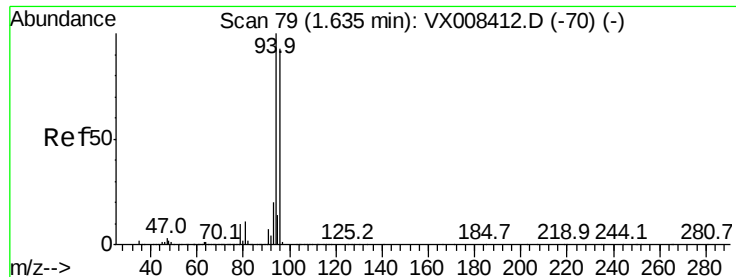
Tgt Ion: 62 Resp: 138964

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 2.432 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 94 Resp: 1076

Ion Ratio Lower Upper

94 100

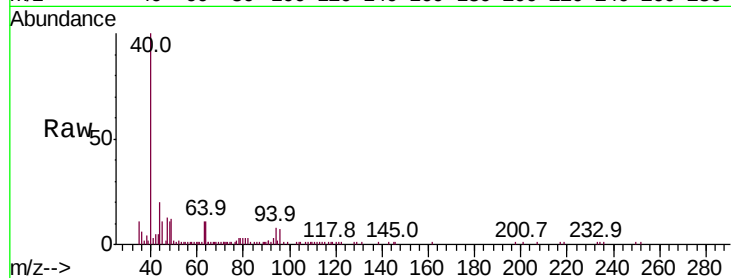
96 103.8 74.8 112.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

600

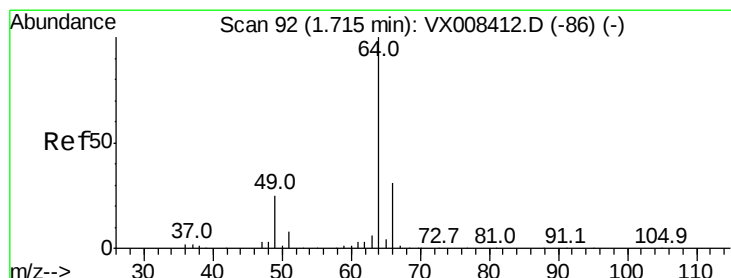
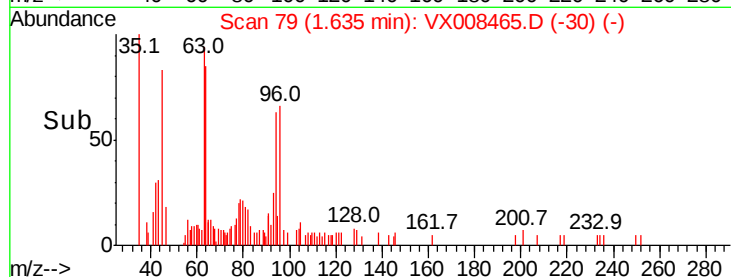
400

200

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 45.274 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX008465.D

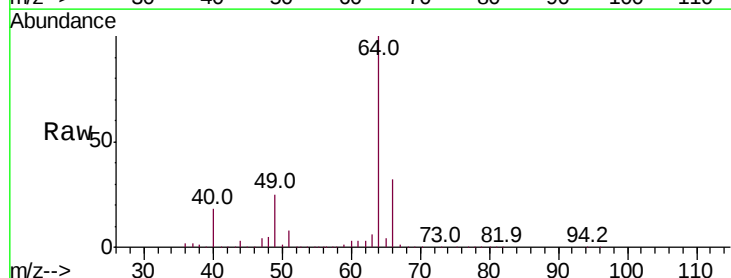
Acq: 26 Mar 2019 19:31

Tgt Ion: 64 Resp: 84876

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

60000

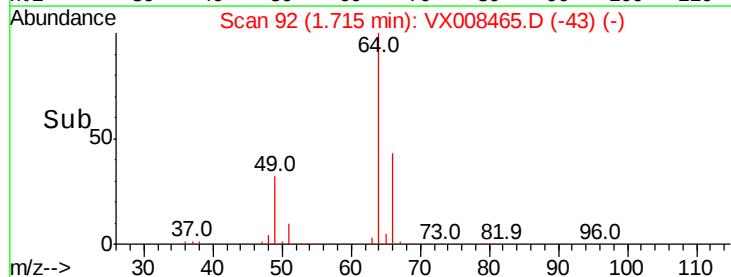
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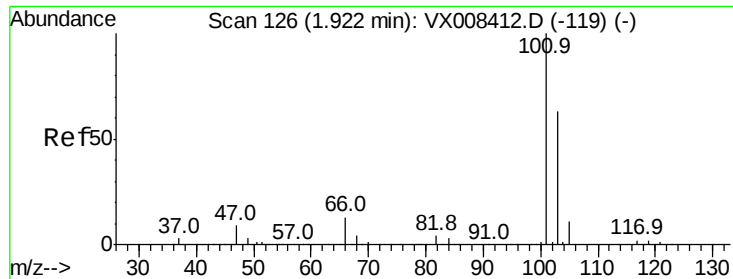
20000

0

1.65 1.70 1.75 1.80 1.85

Time-->





#7

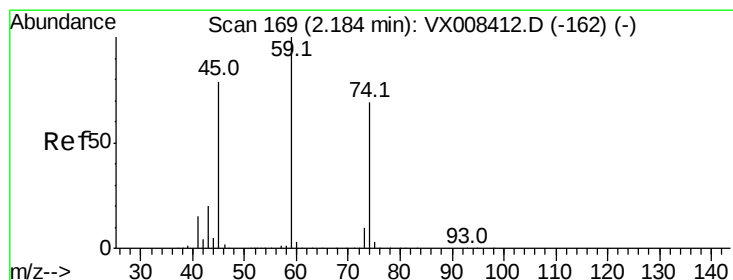
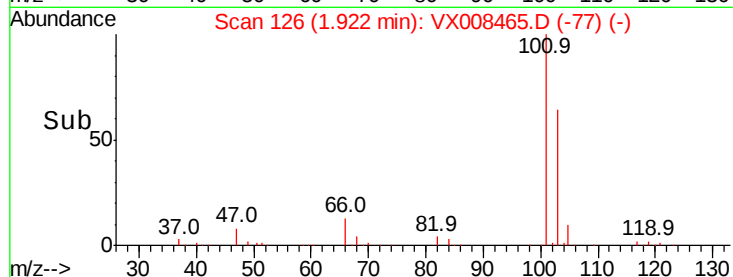
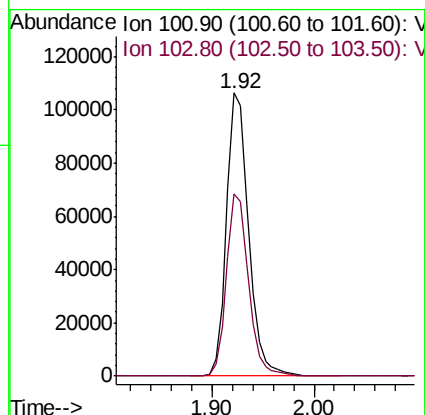
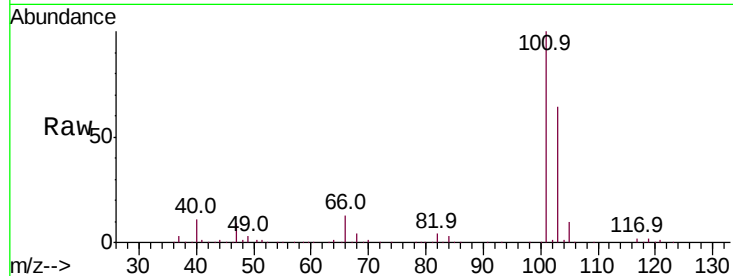
Trichlorofluoromethane
Concen: 44.646 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion:101 Resp: 160014
Ion Ratio Lower Upper
101 100
103 64.2 50.2 75.4

Manual Integrations
APPROVED

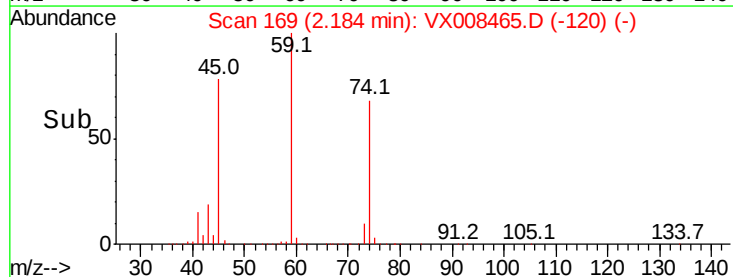
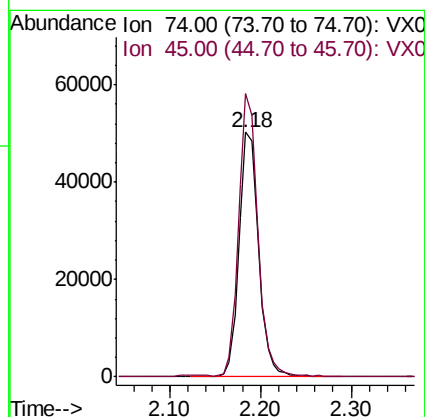
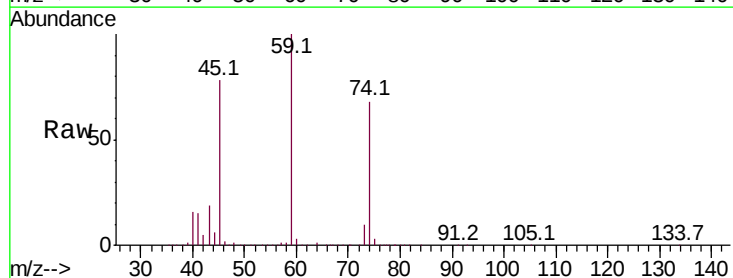
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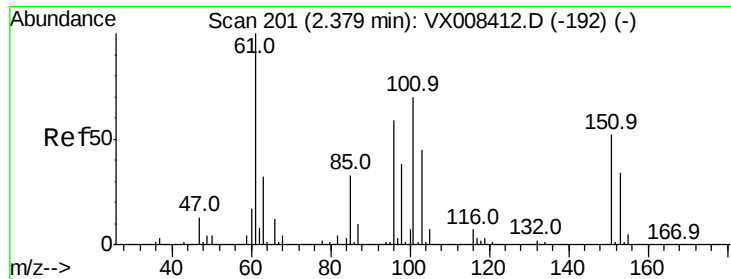


#8

Diethyl Ether
Concen: 44.393 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion: 74 Resp: 75298
Ion Ratio Lower Upper
74 100
45 112.7 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.100 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

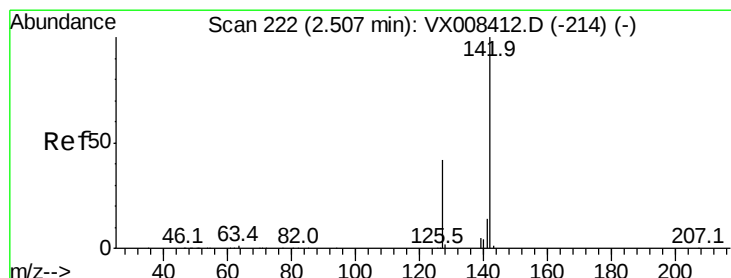
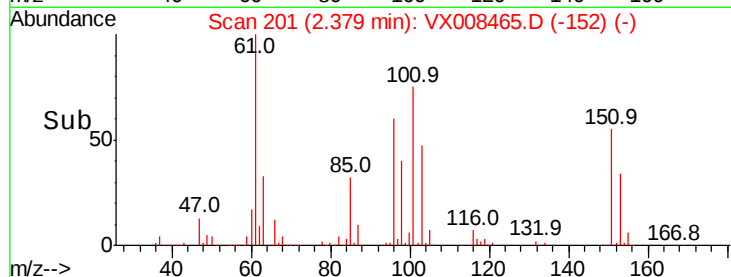
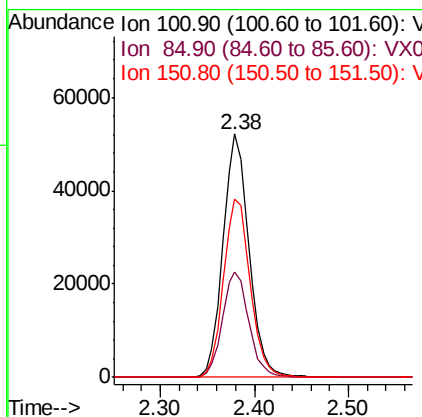
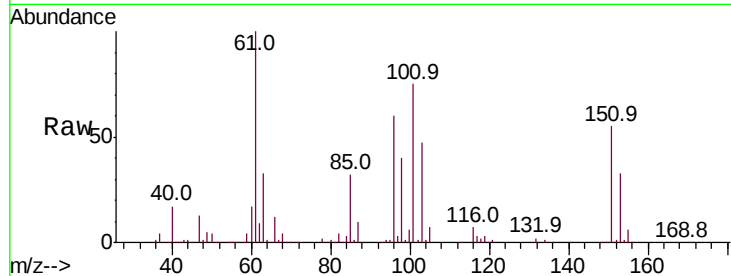
ClientSampleId :

MW-104MSD

Tot Ion:	101	Resp:	99854
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.0	54.0
151	75.2	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 4.348 ug/l

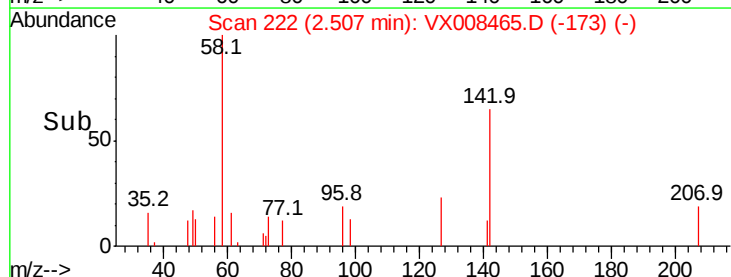
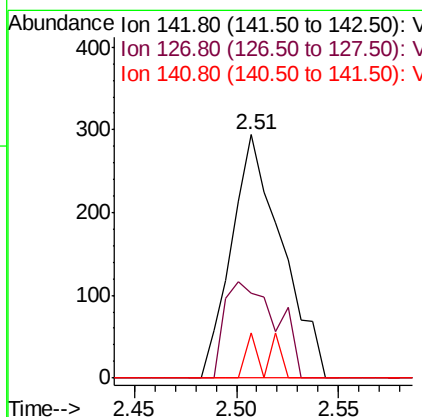
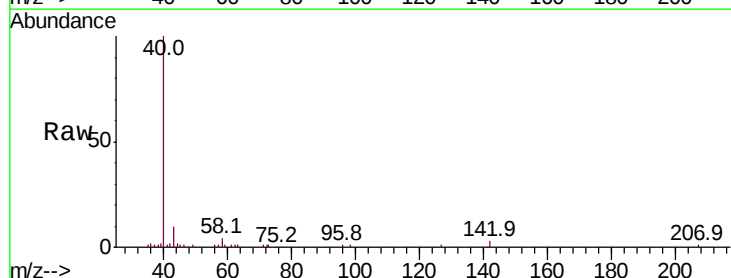
RT: 2.51 min Scan# 222

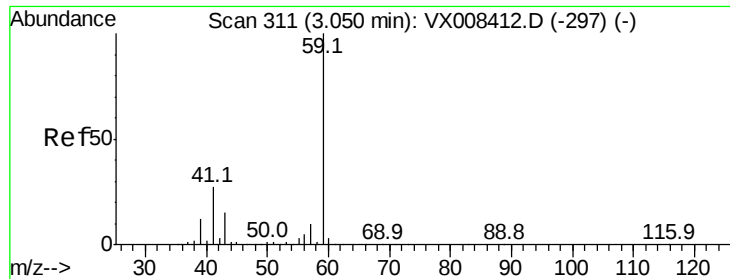
Delta R.T. 0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Tgt Ion:	142	Resp:	503
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.6	50.4
141	8.0	11.3	16.9#





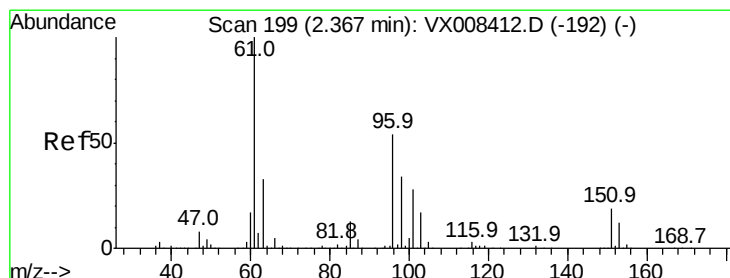
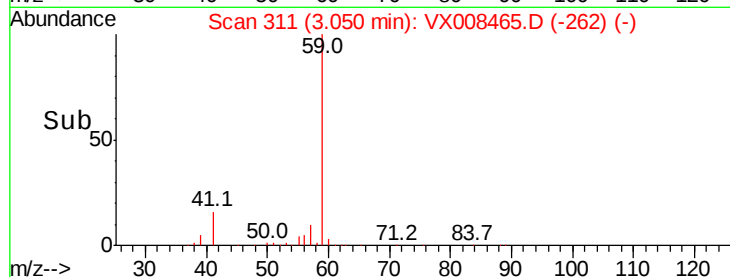
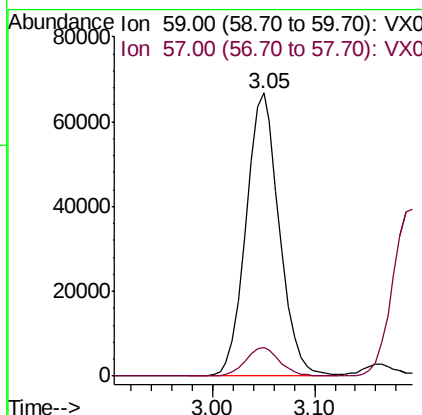
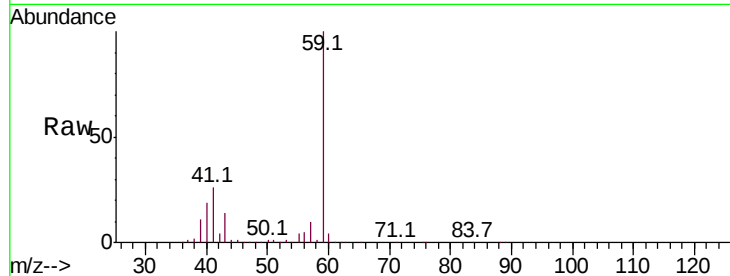
#11
Tert butyl alcohol
Concen: 234.771 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion: 59 Resp: 151626
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

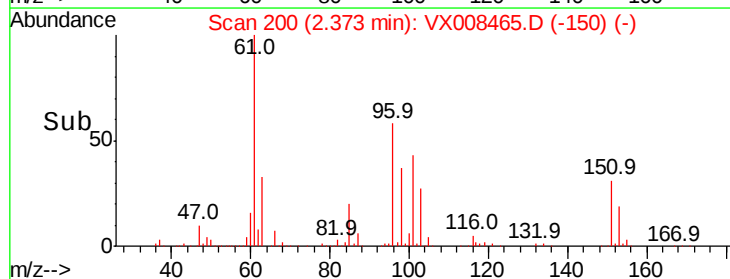
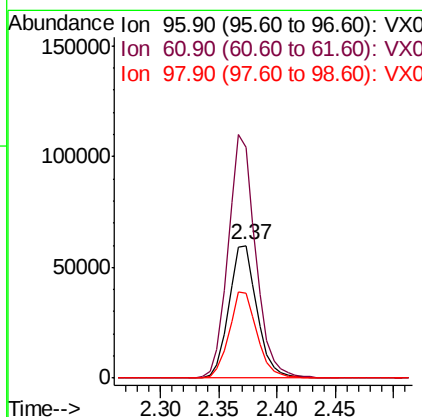
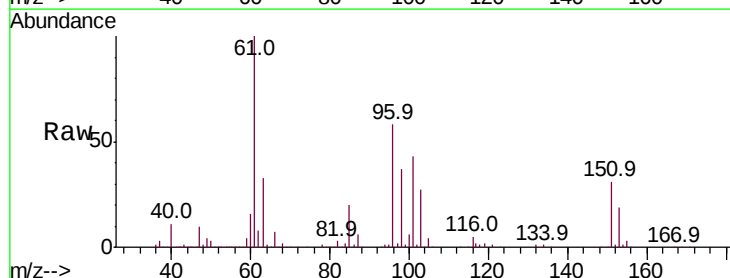
Manual Integrations
APPROVED

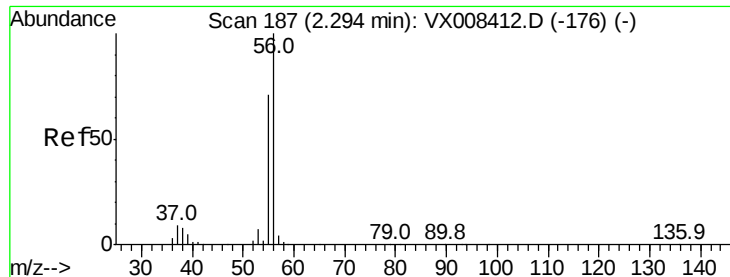
MMDadoda
3/27/2019 10:41:57 AM



#12
1,1-Dichloroethene
Concen: 45.071 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion: 96 Resp: 100822
Ion Ratio Lower Upper
96 100
61 173.9 146.9 220.3
98 64.4 50.1 75.1





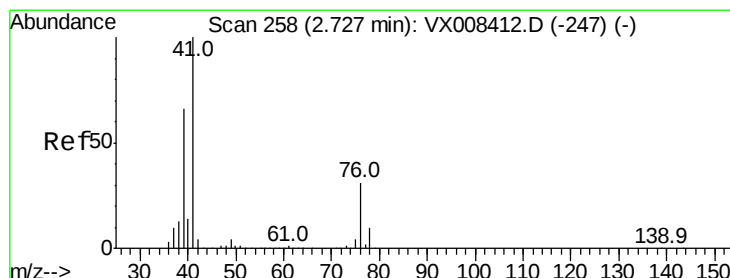
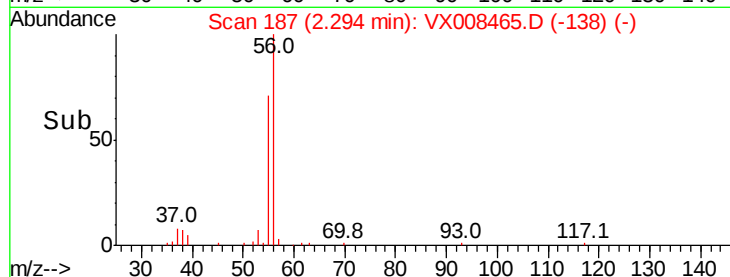
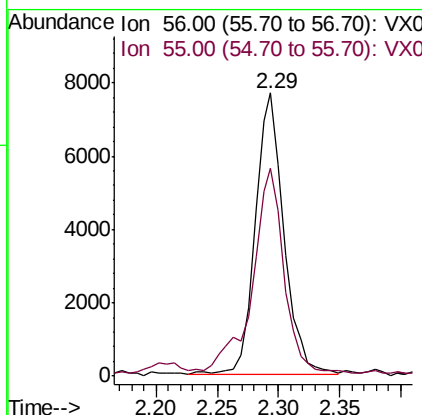
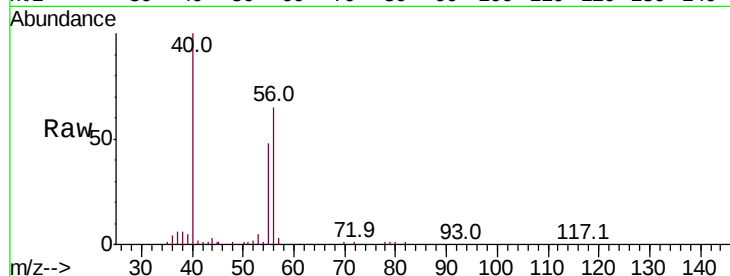
#13
Acrolein
Concen: 26.554 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion: 56 Resp: 12454
Ion Ratio Lower Upper
56 100
55 81.5 56.5 84.7

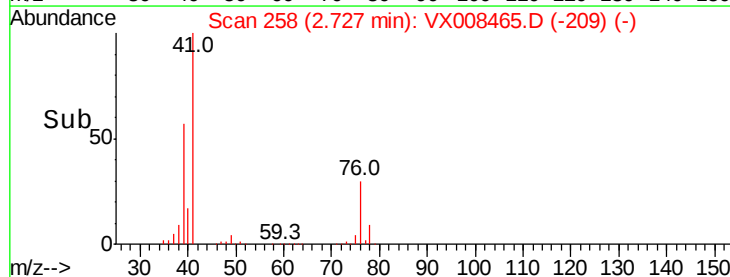
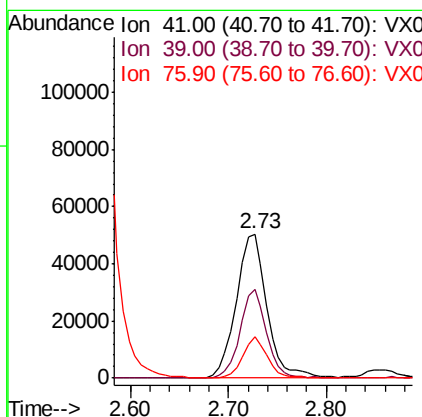
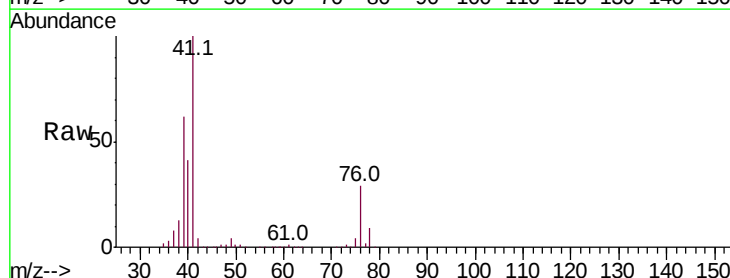
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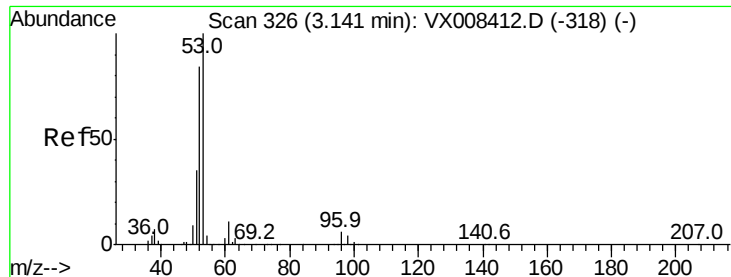
MMDadoda
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#14
Allyl chloride
Concen: 22.119 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion: 41 Resp: 109010
Ion Ratio Lower Upper
41 100
39 53.3 49.6 74.4
76 22.9 22.6 34.0





#15

Acrylonitrile

Concen: 229.896 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

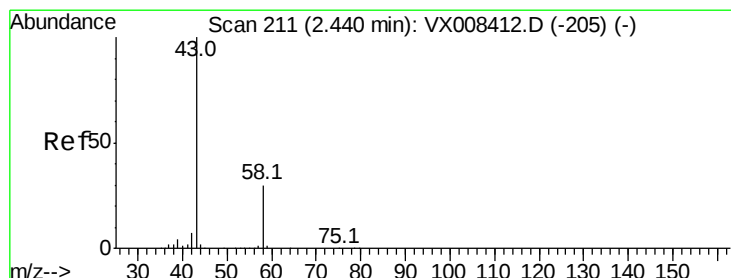
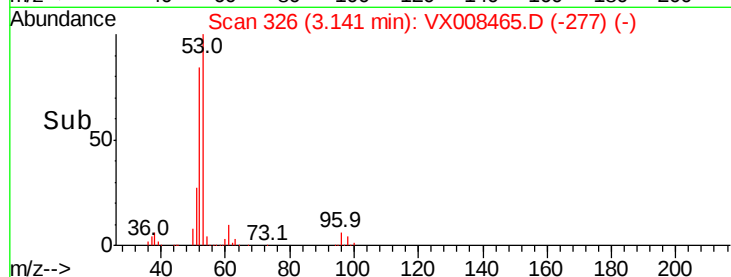
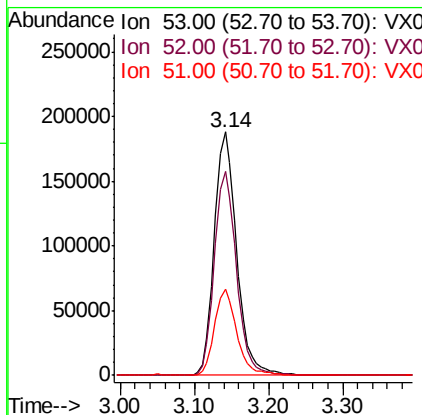
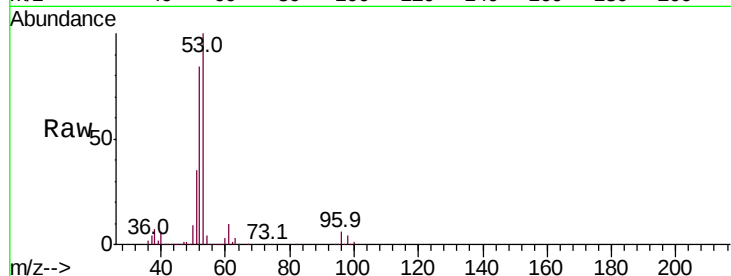
ClientSampleId :

MW-104MSD

Tot Ion:	53	Resp:	389335
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.5	99.7
51	35.4	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 241.668 ug/l

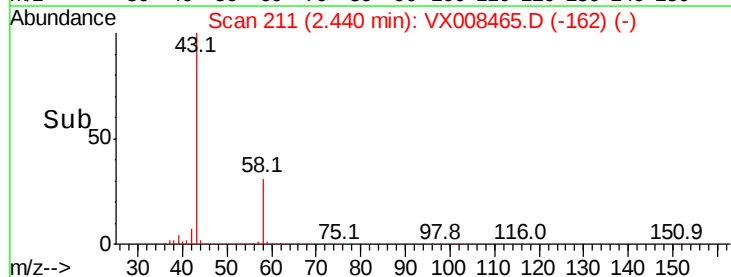
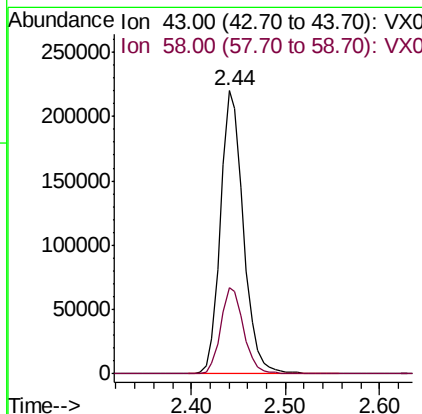
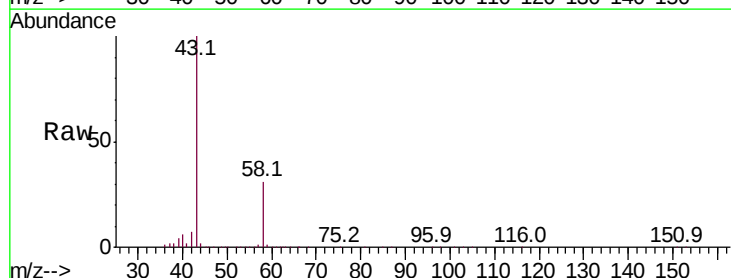
RT: 2.44 min Scan# 211

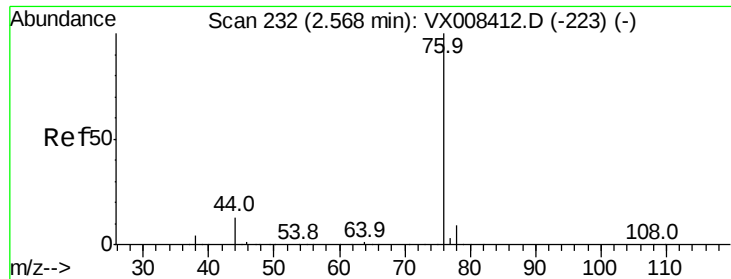
Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Tgt Ion:	43	Resp:	368194
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.2





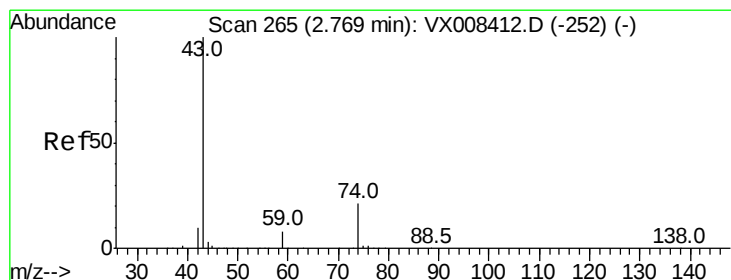
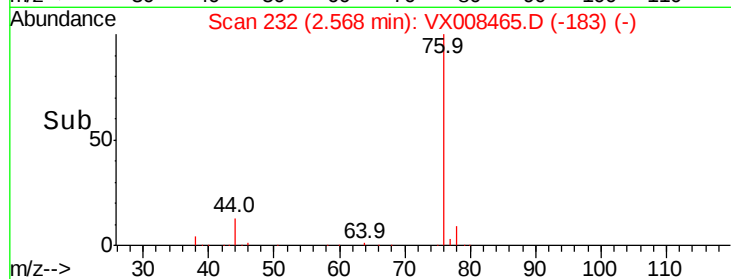
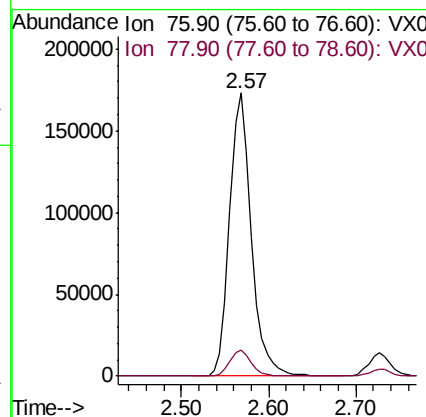
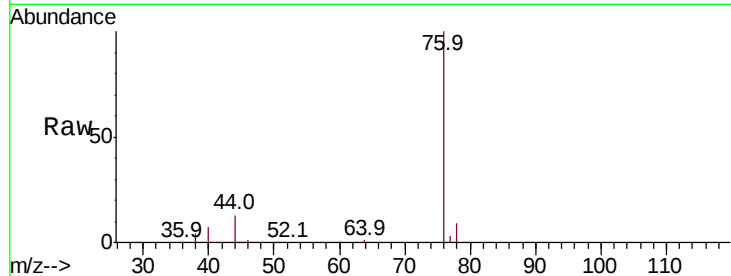
#17
Carbon Disulfide
Concen: 46.587 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
76	100	299172		
78	9.1		7.4	11.2

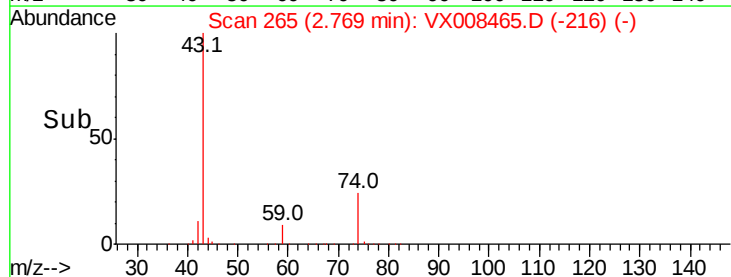
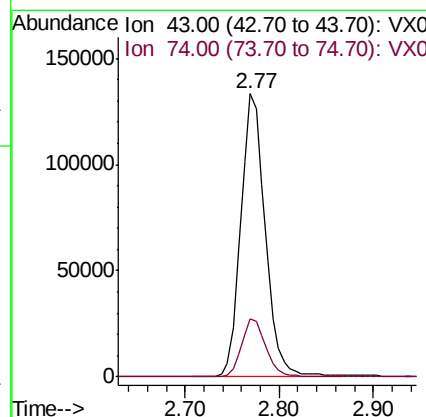
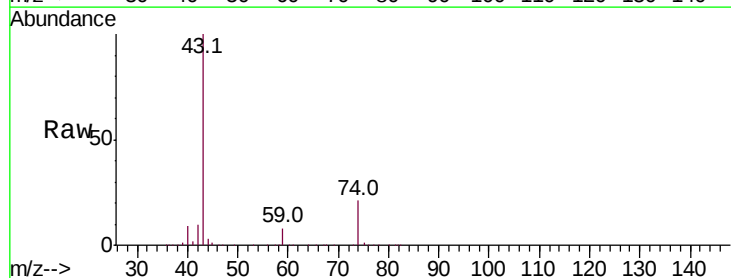
Manual Integrations
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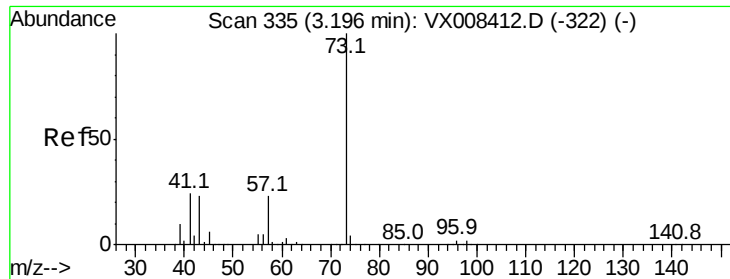
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#18
Methyl Acetate
Concen: 65.799 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	240768		
74	20.7		16.7	25.1





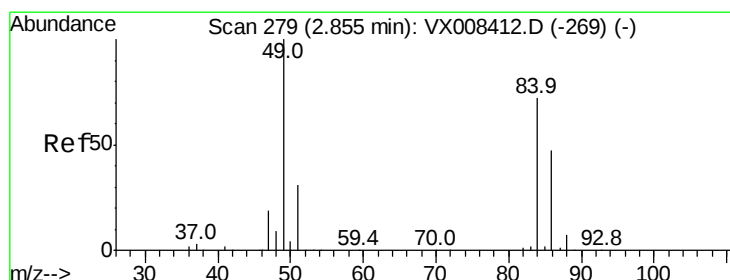
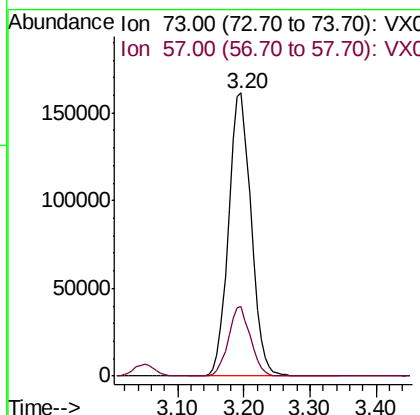
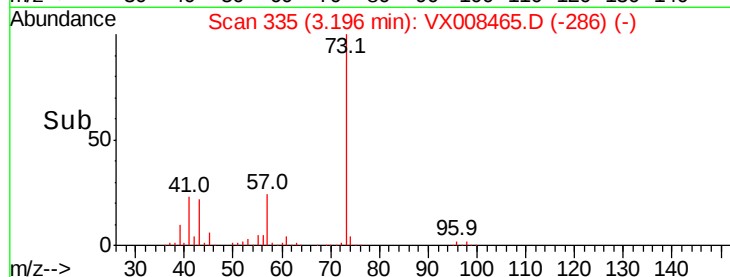
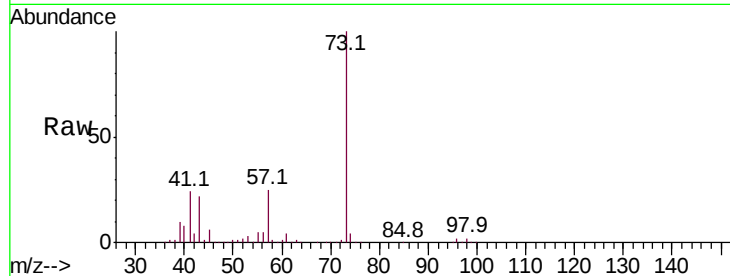
#19
Methyl tert-butyl Ether
Concen: 47.360 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion: 73 Resp: 381771
Ion Ratio Lower Upper
73 100
57 24.5 18.6 28.0

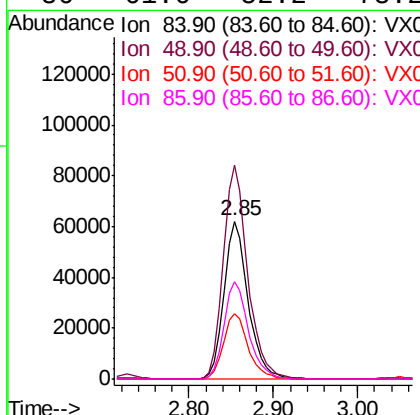
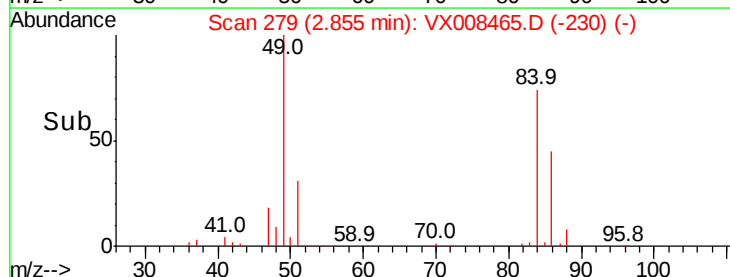
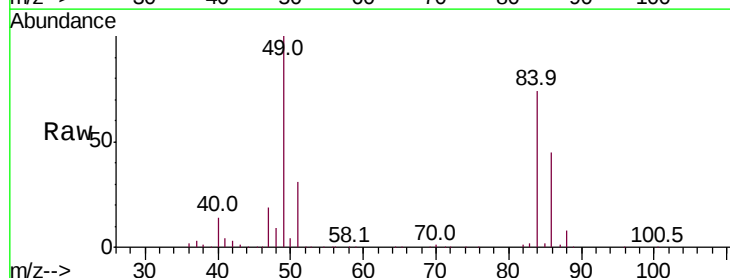
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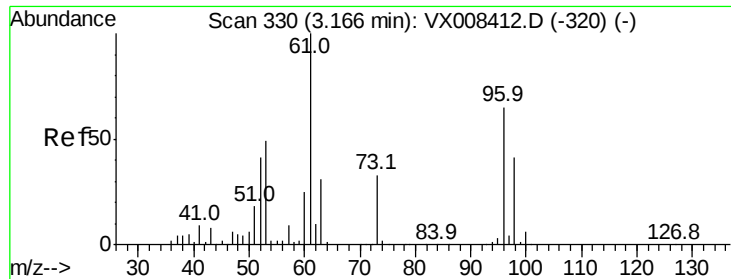
MMDadoda
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#20
Methylene Chloride
Concen: 48.999 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion: 84 Resp: 121871
Ion Ratio Lower Upper
84 100
49 135.6 110.6 165.8
51 41.8 33.9 50.9
86 61.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 48.475 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampled :

MW-104MSD

Tot Ion: 96 Resp: 108069

Ion Ratio Lower Upper

96 100

61 152.0 122.6 184.0

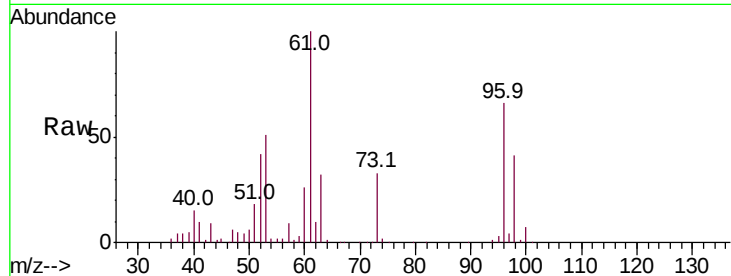
98 62.3 50.9 76.3

Manual Integrations

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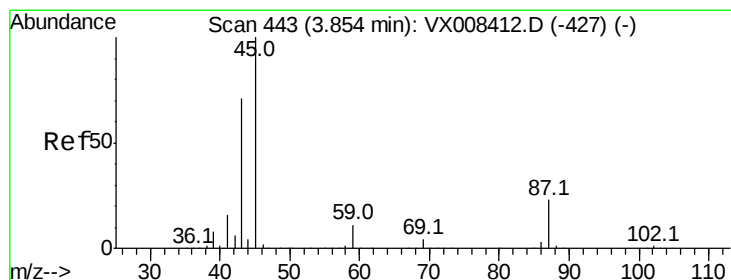
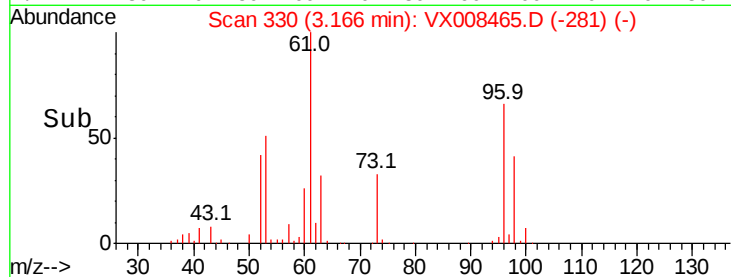
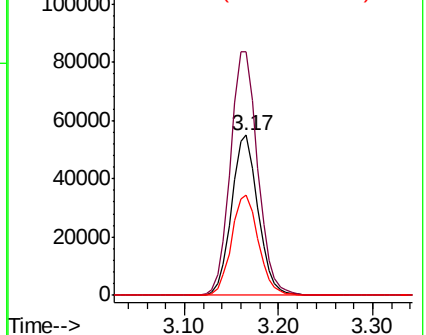
3/27/2019 10:41:57 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 46.686 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Tgt Ion: 45 Resp: 453039

Ion Ratio Lower Upper

45 100

43 66.6 57.1 85.7

87 23.1 18.8 28.2

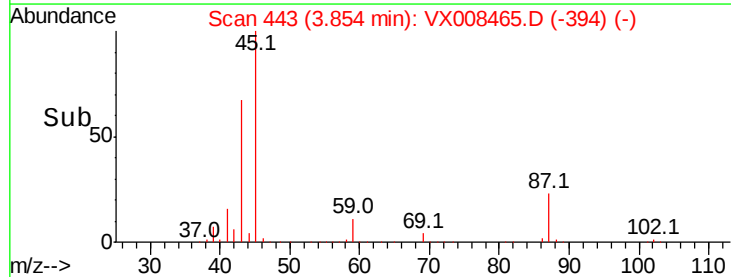
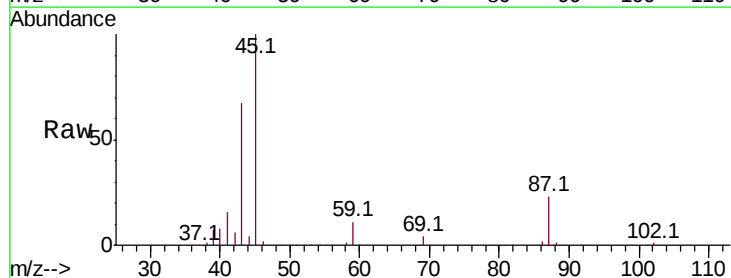
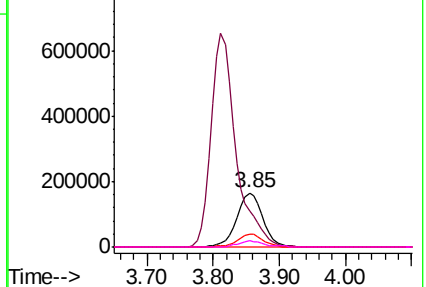
59 11.0 8.7 13.1

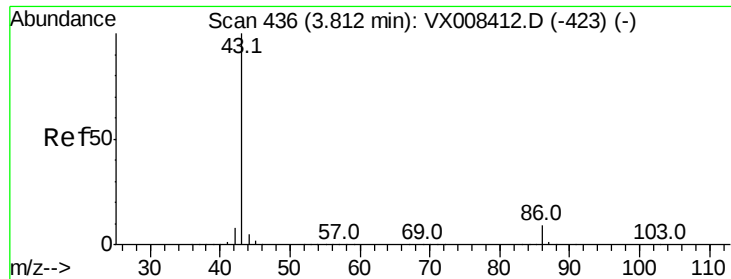
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 201.393 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 43 Resp: 1705032

Ion Ratio Lower Upper

43 100

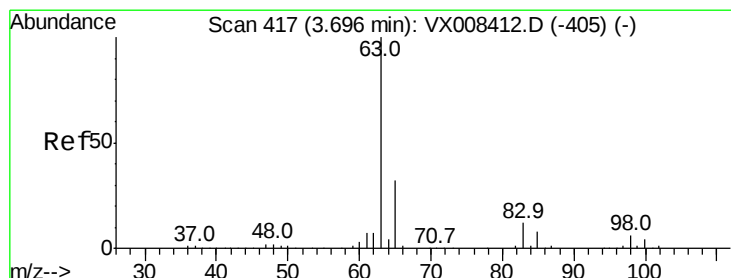
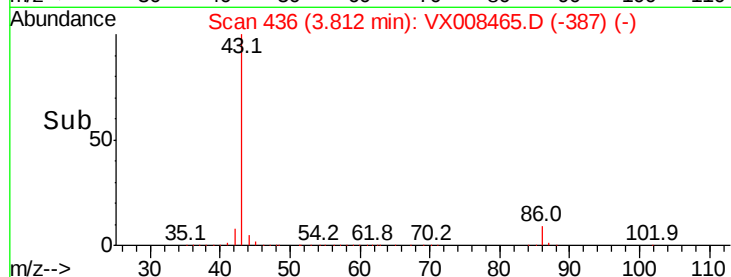
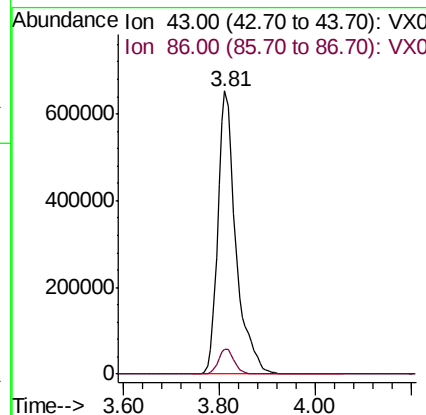
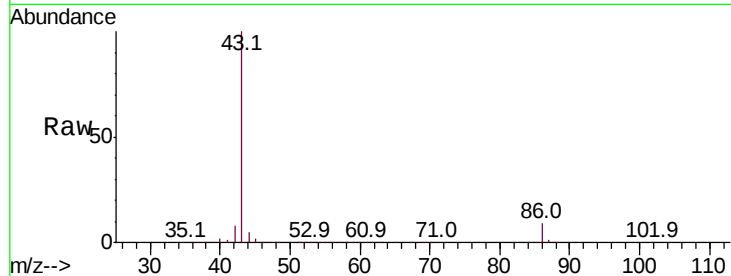
86 8.7 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 46.040 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

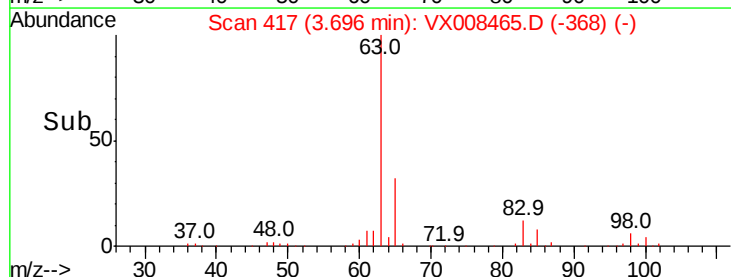
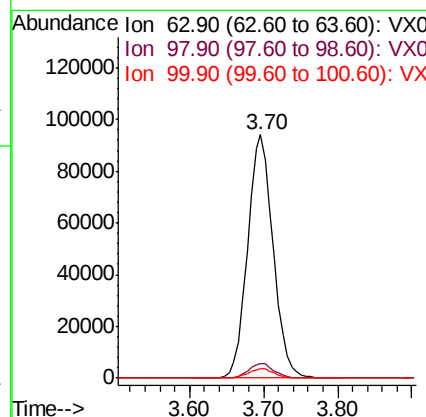
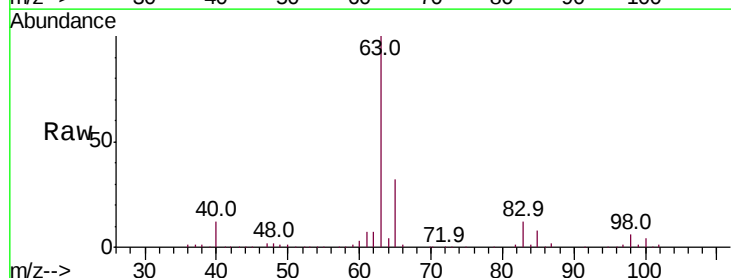
Tgt Ion: 63 Resp: 225554

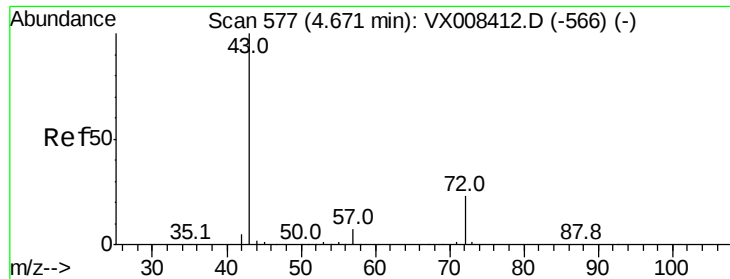
Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 234.324 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 43 Resp: 572344

Ion Ratio Lower Upper

43 100

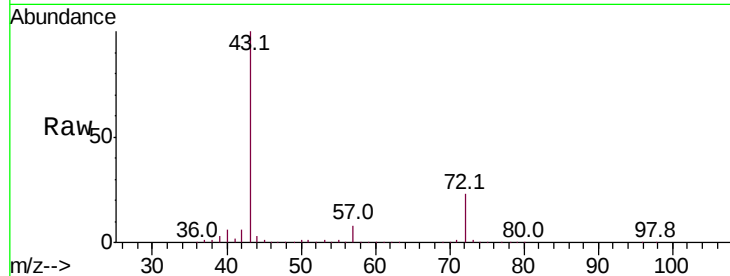
72 23.4 18.6 28.0

Manual Integrations

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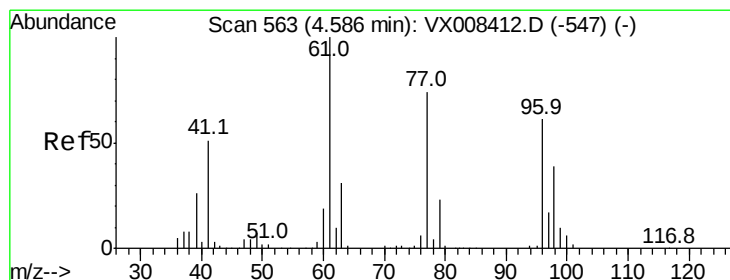
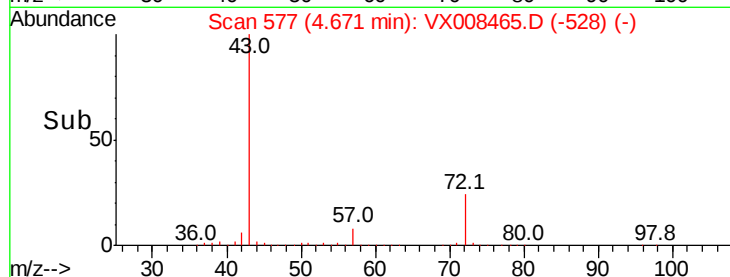
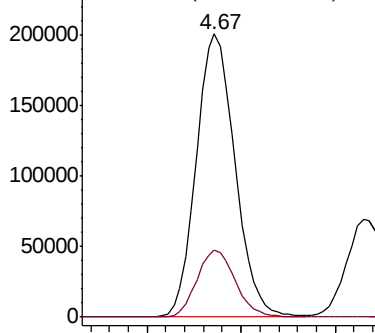
MMDadoda

3/27/2019 10:41:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 40.585 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008465.D

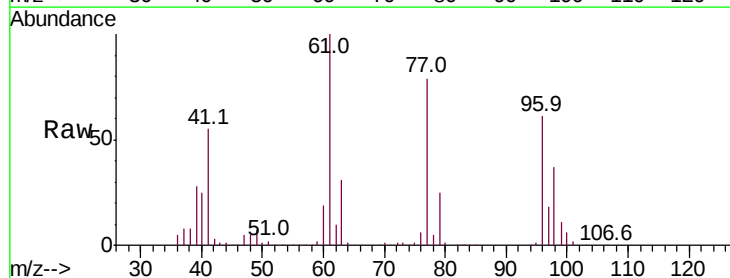
Acq: 26 Mar 2019 19:31

Tgt Ion: 77 Resp: 132246

Ion Ratio Lower Upper

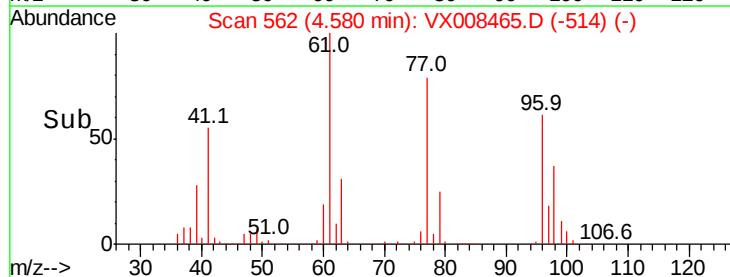
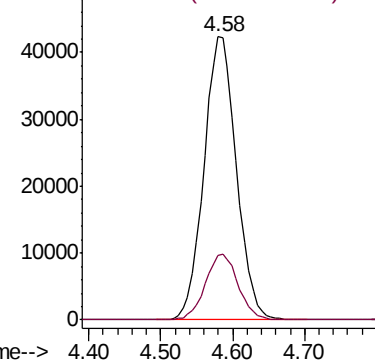
77 100

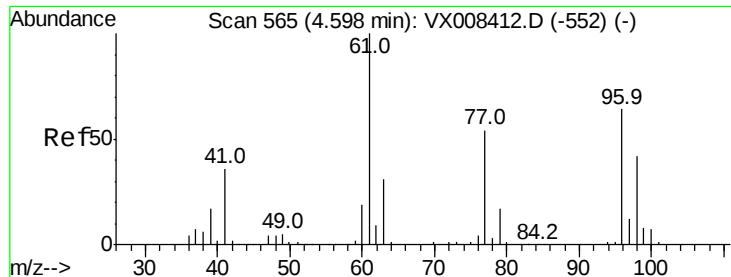
97 23.5 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

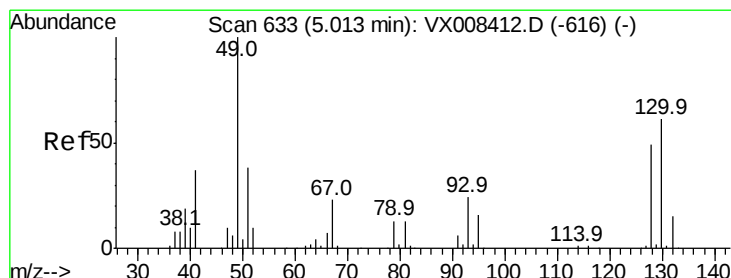
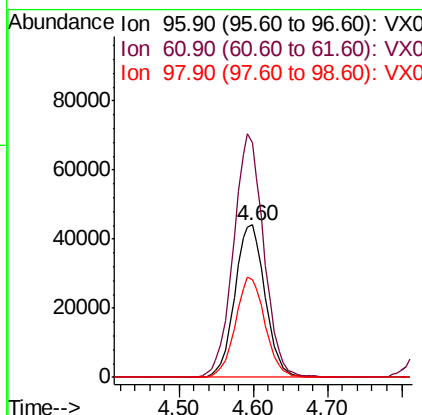
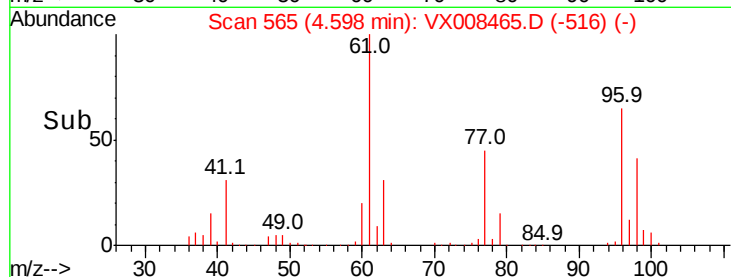
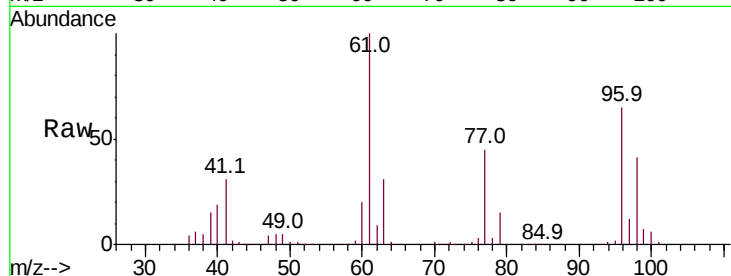
cis-1,2-Dichloroethene
Concen: 46.077 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.5	0.0	325.6
98	64.1	0.0	130.0

Manual Integrations
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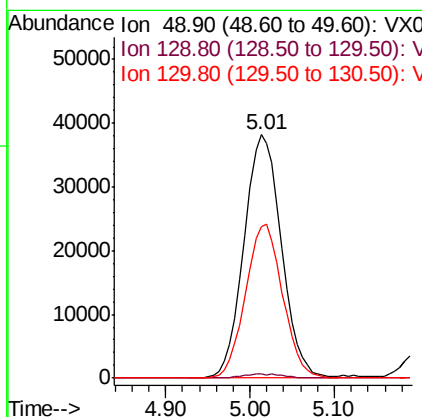
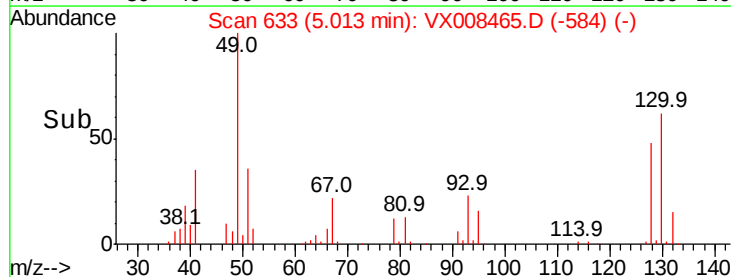
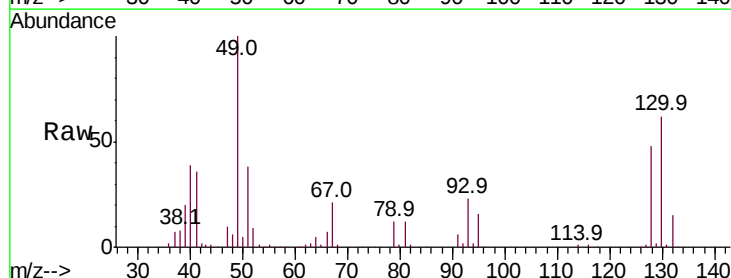
MMDadoda
3/27/2019 10:41:57 AM

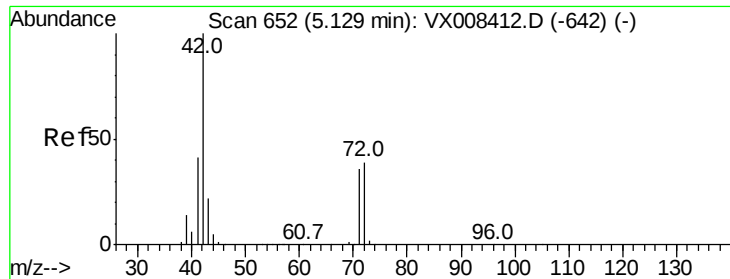


#28

Bromochloromethane
Concen: 47.640 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	62.7	49.8	74.6





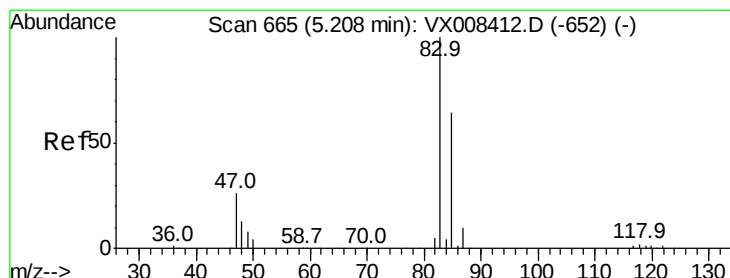
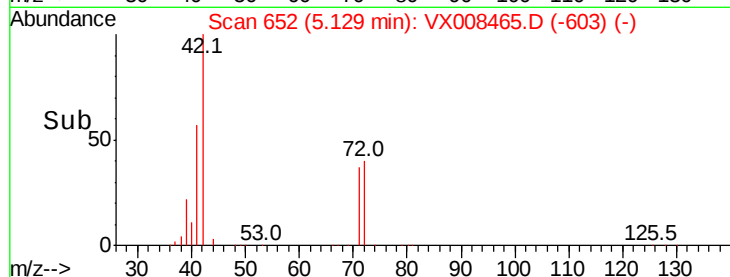
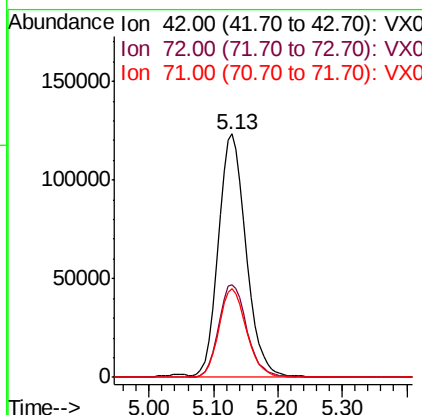
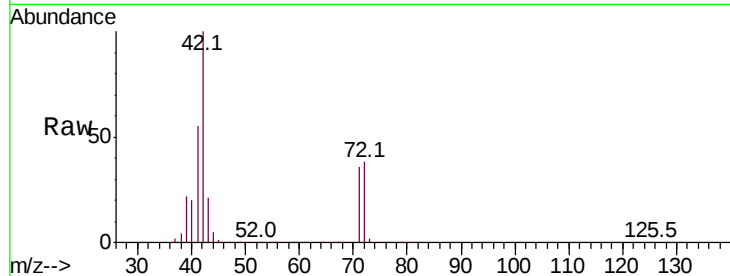
#29
Tetrahydrofuran
Concen: 231.412 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.4	47.2
71	36.6	29.4	44.2

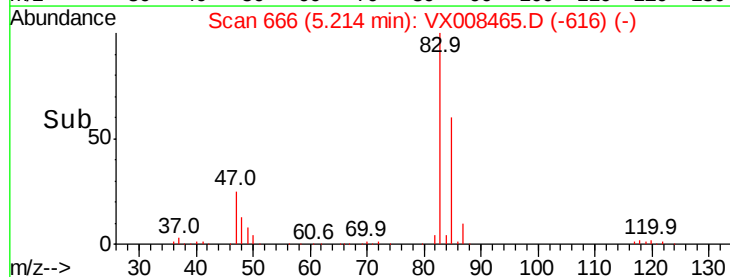
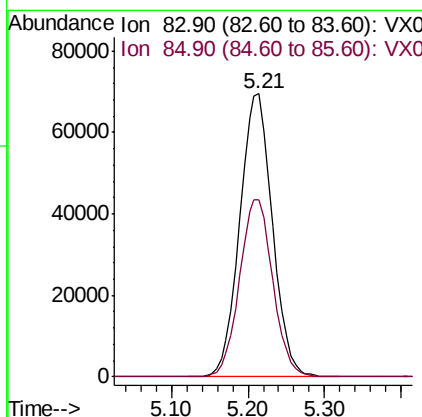
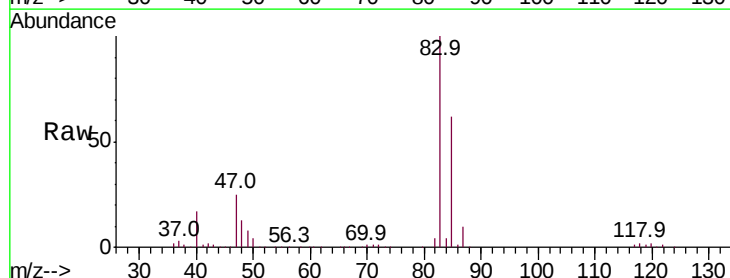
Manual Integrations
APPROVED

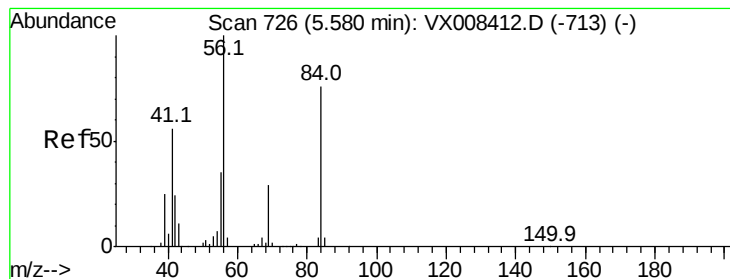
MMDadoda
3/27/2019 10:41:57 AM



#30
Chloroform
Concen: 46.701 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.4	77.2





#31

Cyclohexane

Concen: 45.455 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 56 Resp: 212389

Ion Ratio Lower Upper

56 100

69 29.0 23.2 34.8

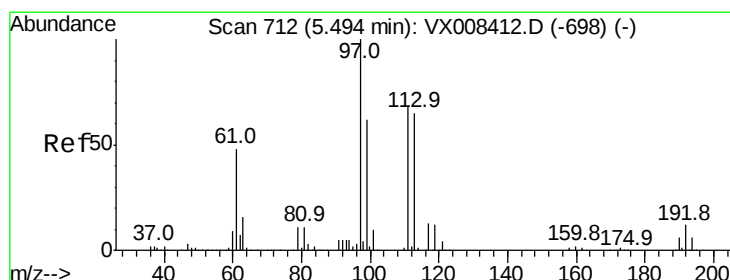
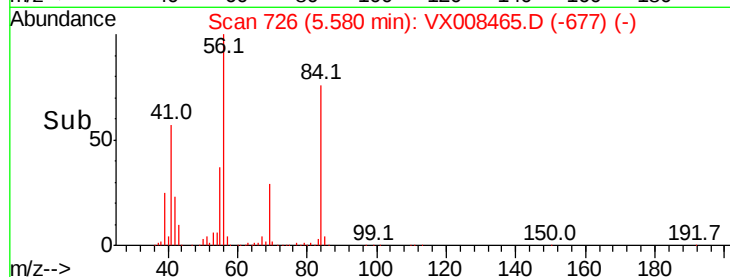
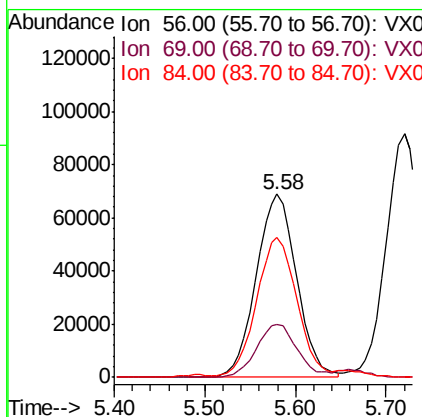
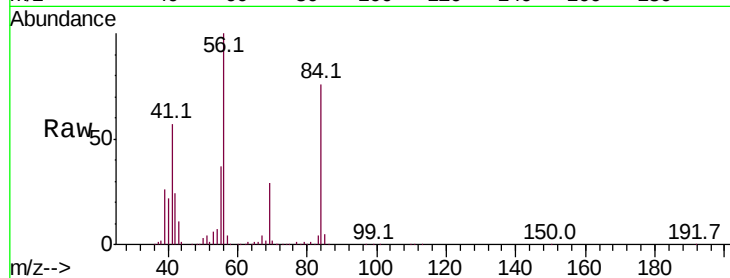
84 74.9 60.7 91.1

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 47.086 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

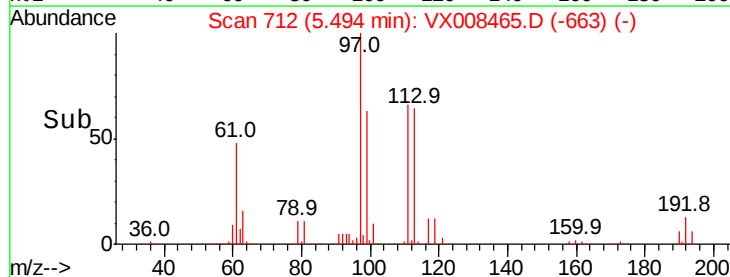
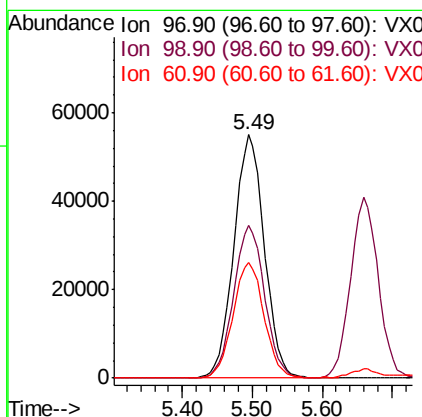
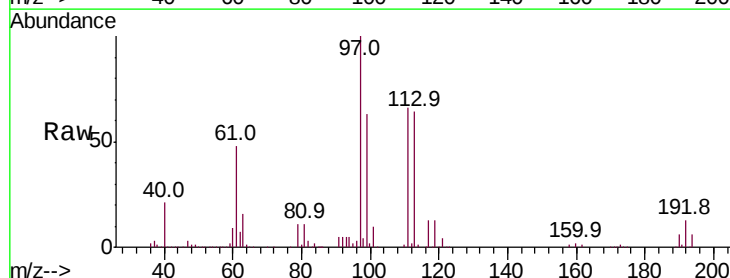
Tgt Ion: 97 Resp: 166406

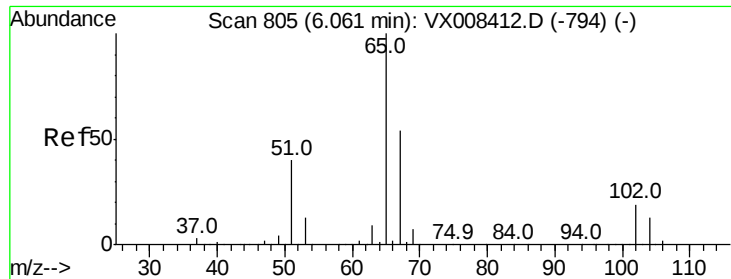
Ion Ratio Lower Upper

97 100

99 63.7 51.5 77.3

61 48.5 38.8 58.2





#33

1,2-Dichloroethane-d4

Concen: 47.204 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 65 Resp: 137600

Ion Ratio Lower Upper

65 100

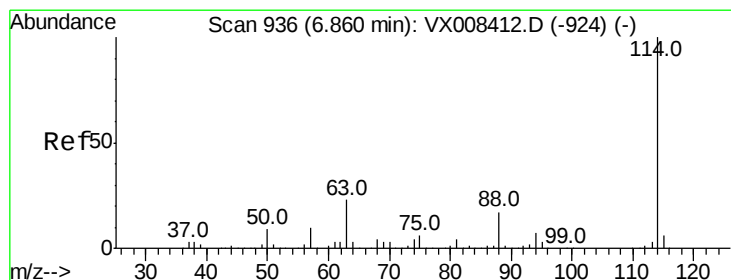
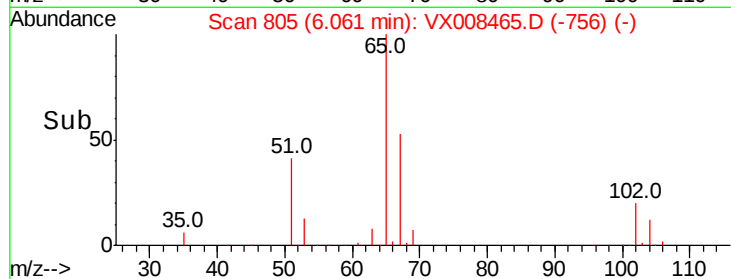
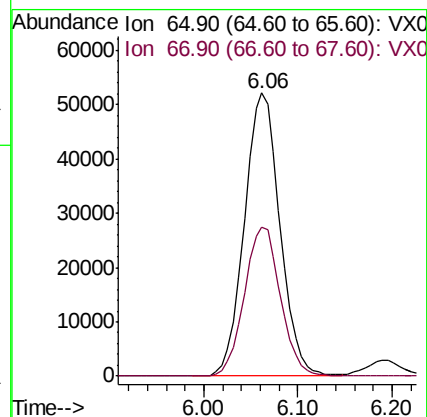
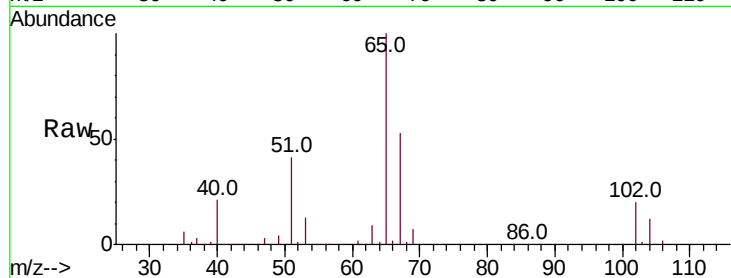
67 53.6 0.0 109.4

Manual Integrations

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3/27/2019 10:41:57 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

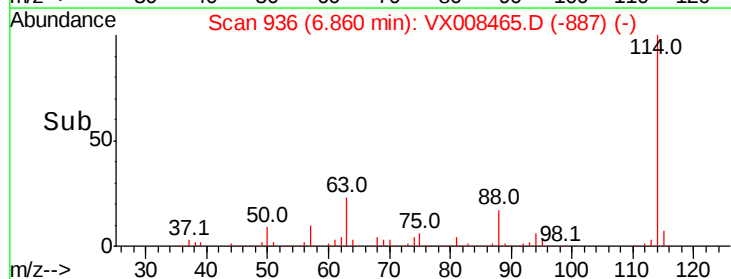
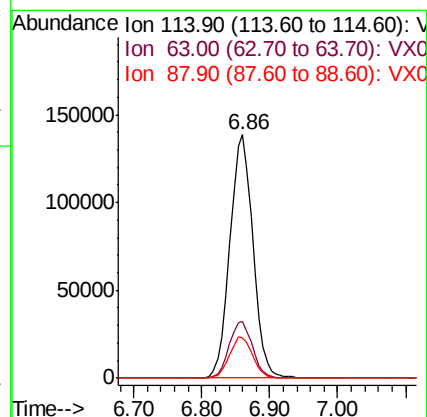
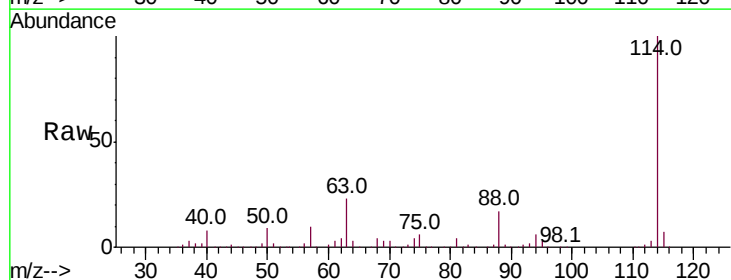
Tgt Ion: 114 Resp: 326357

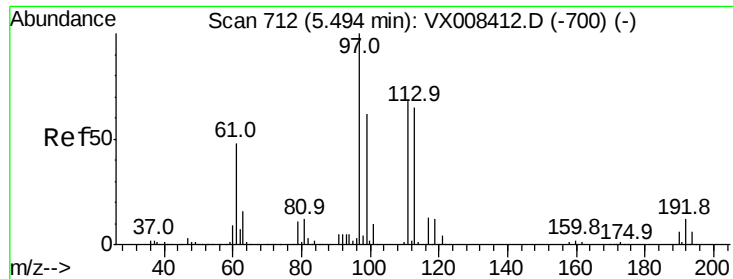
Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.4

88 16.6 0.0 33.2





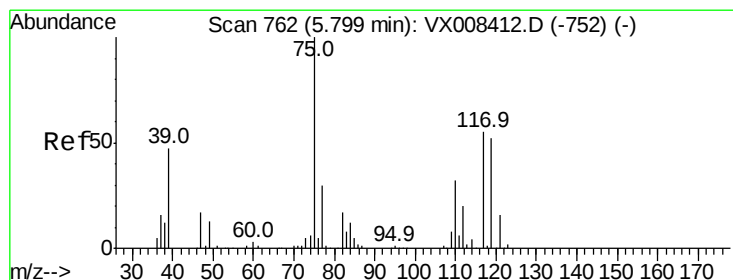
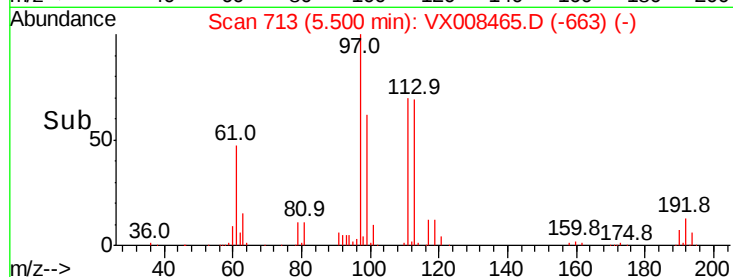
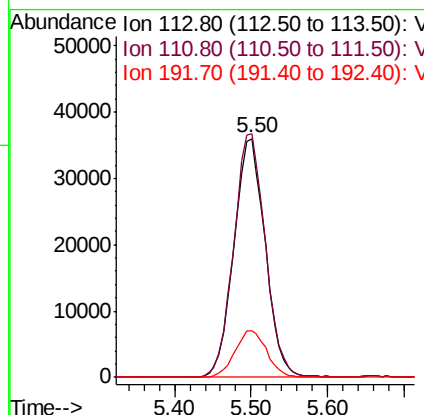
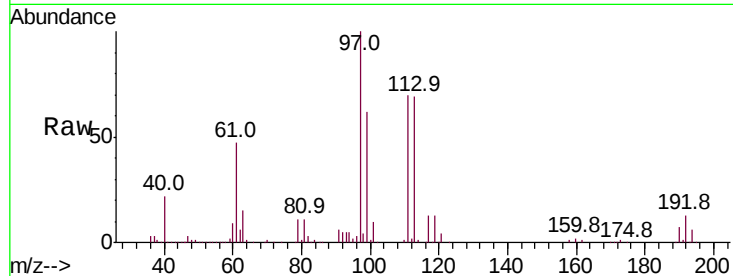
#35
 Dibromofluoromethane
 Concen: 48.108 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008465.D
 Acq: 26 Mar 2019 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102373		
111	102.8	83.0	124.4	
192	19.9	15.6	23.4	

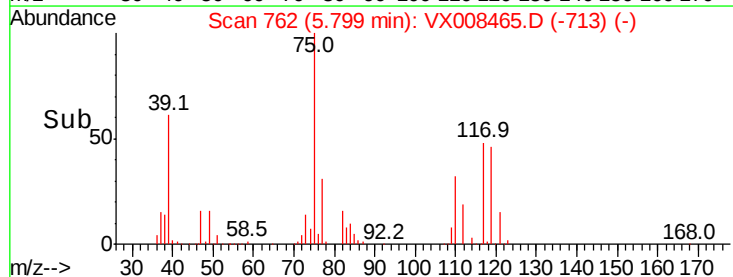
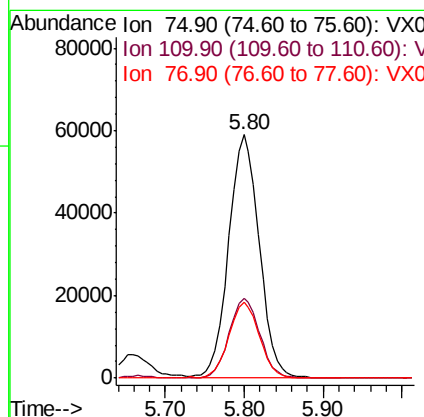
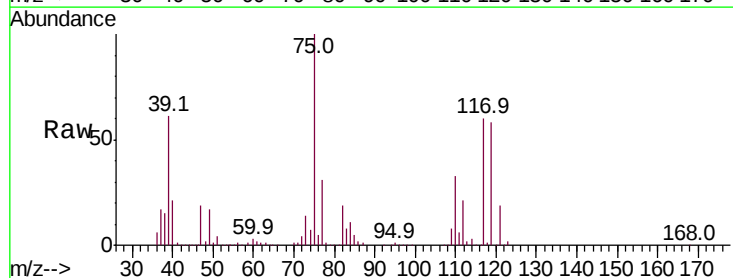
Manual Integrations
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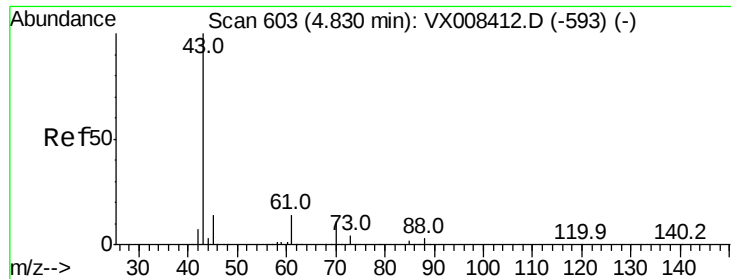
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 3/27/2019 10:41:57 AM



#36
 1,1-Dichloropropene
 Concen: 45.443 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008465.D
 Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	158129		
110	33.2	16.6	49.7	
77	31.0	24.2	36.2	





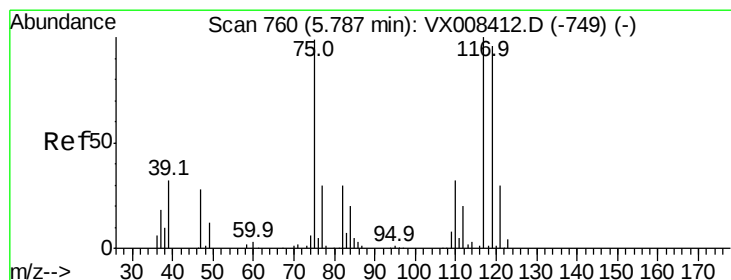
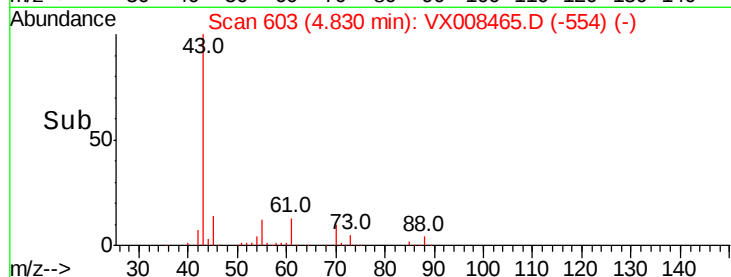
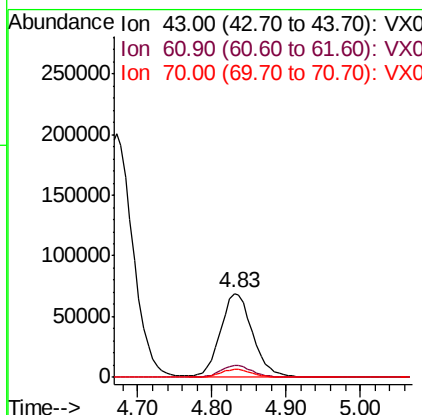
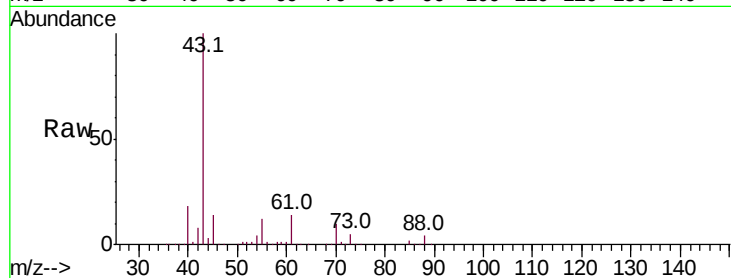
#37
Ethyl Acetate
Concen: 45.991 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampled :
MW-104MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.9	7.8	11.8

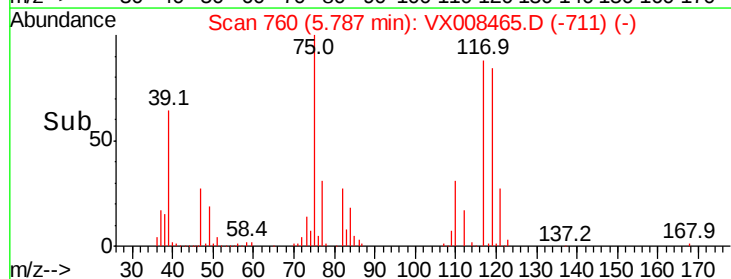
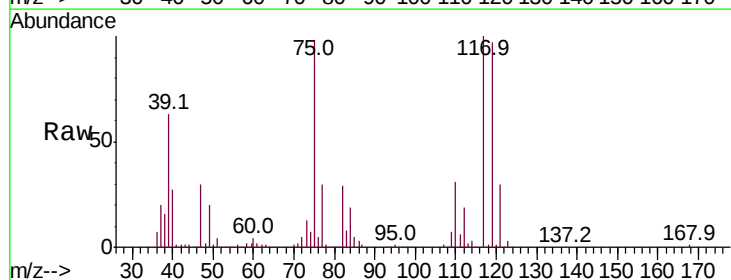
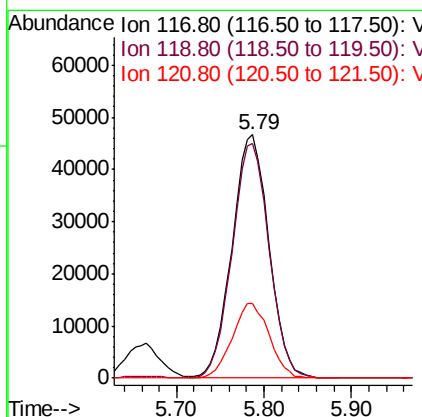
Manual Integrations
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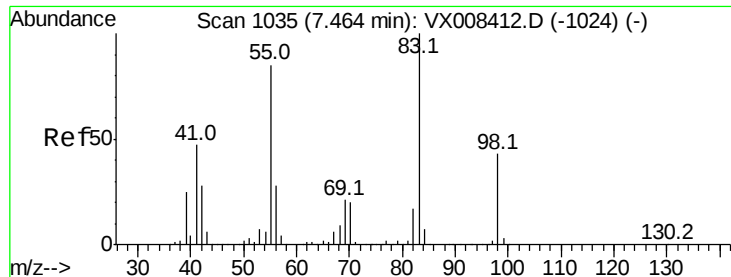
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#38
Carbon Tetrachloride
Concen: 46.991 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.7	115.1
121	30.5	24.3	36.5





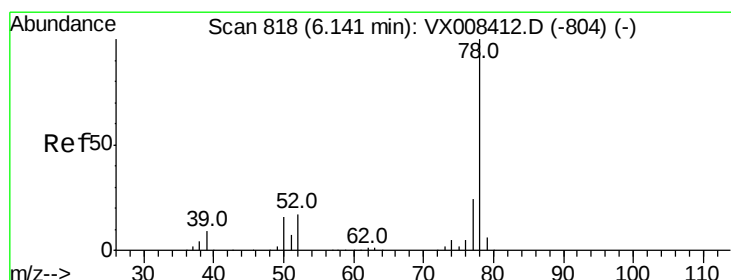
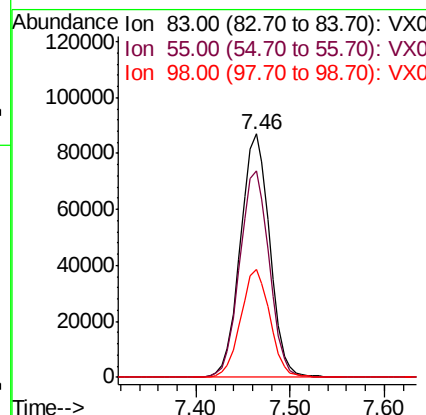
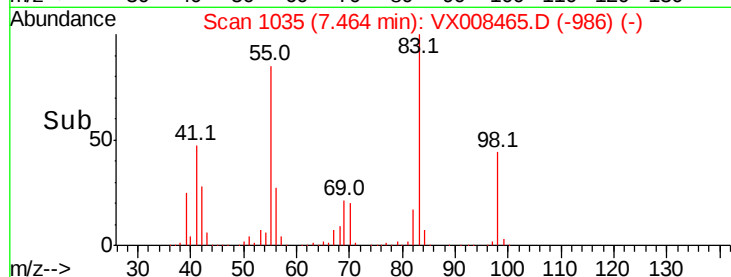
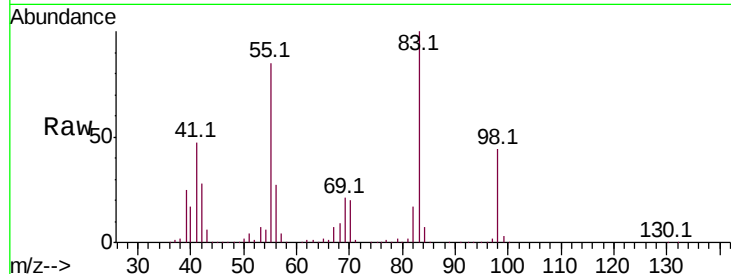
#39
Methvlcvclohexane
Concen: 45.519 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.7	68.2	102.4
98	44.4	34.2	51.4

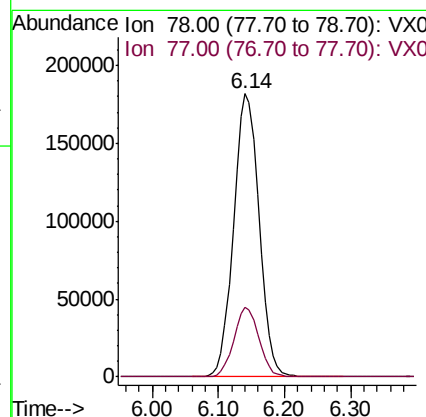
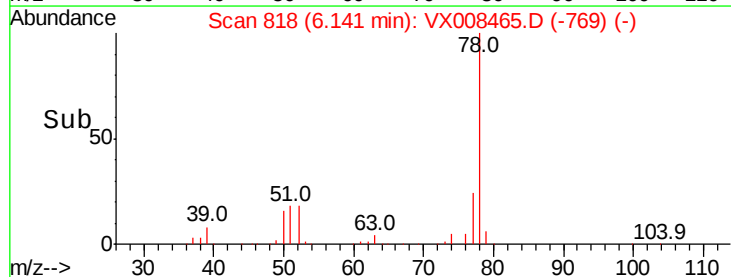
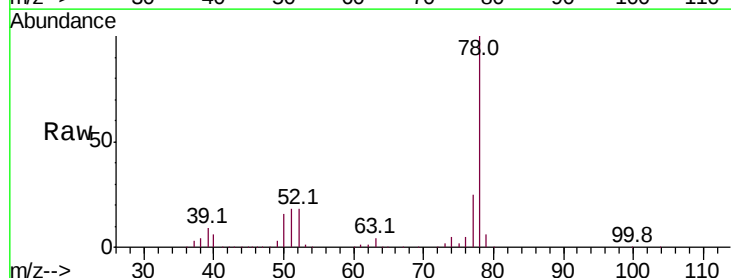
Manual Integrations
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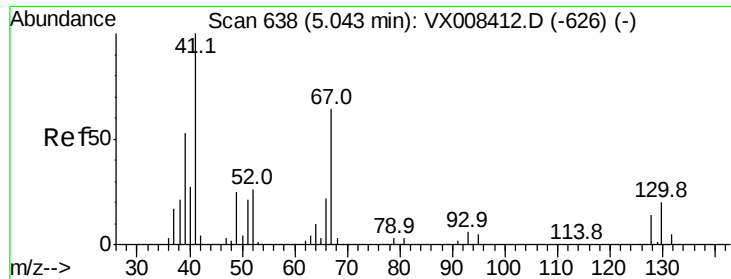
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3/27/2019 10:41:57 AM



#40
Benzene
Concen: 46.539 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.3	28.9





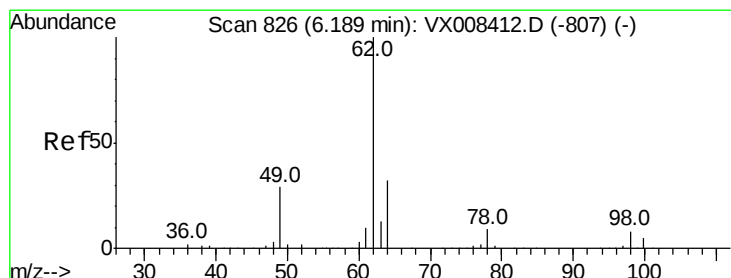
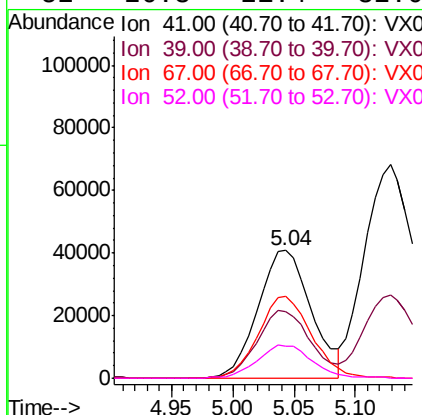
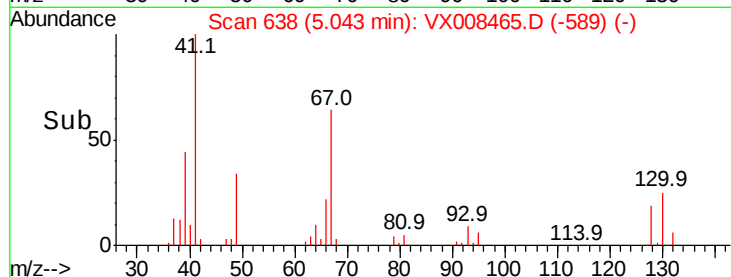
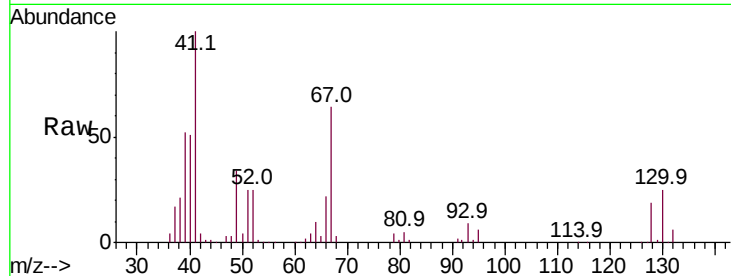
#41
Methacrylonitrile
Concen: 48.815 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		123663		
39	52.9	42.6	64.0		
67	64.6	52.2	78.4		
52	26.3	21.4	32.0		

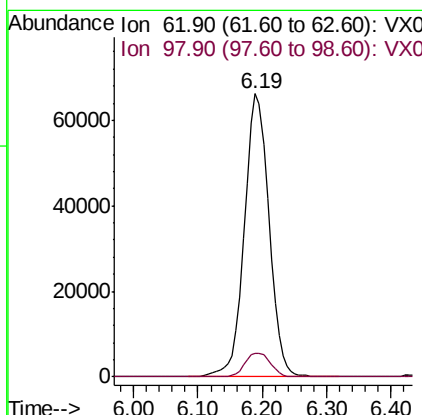
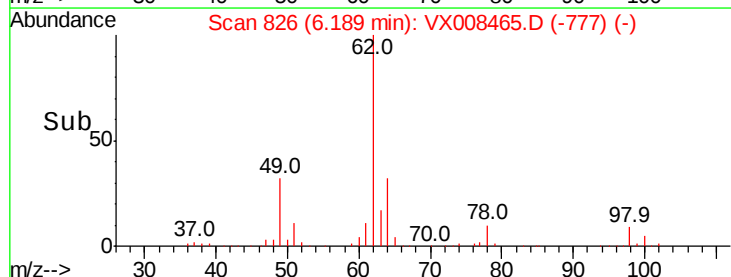
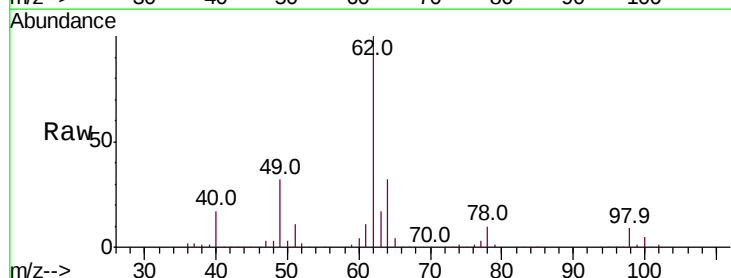
Manual Integrations
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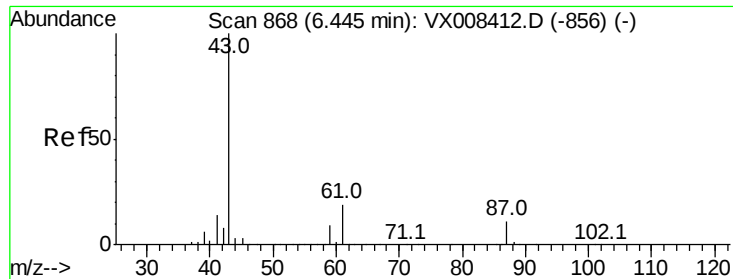
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#42
1,2-Dichloroethane
Concen: 45.445 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		173331		
98	8.8	0.0	17.6		





#43

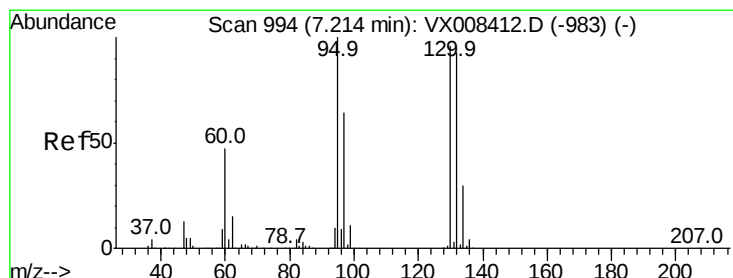
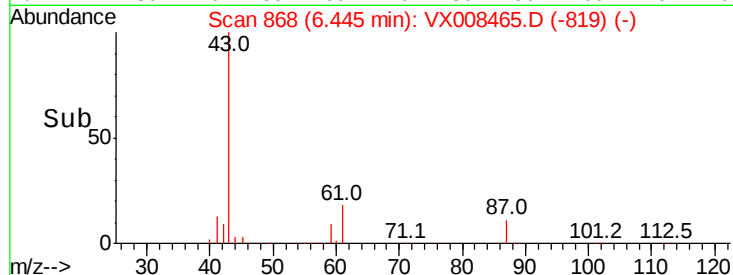
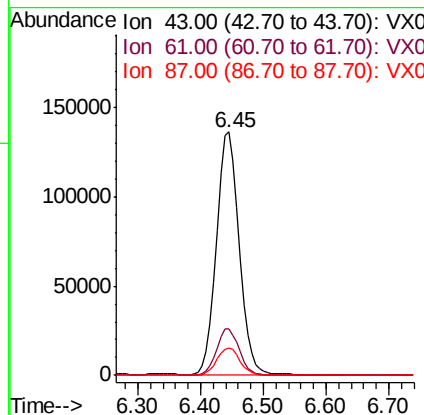
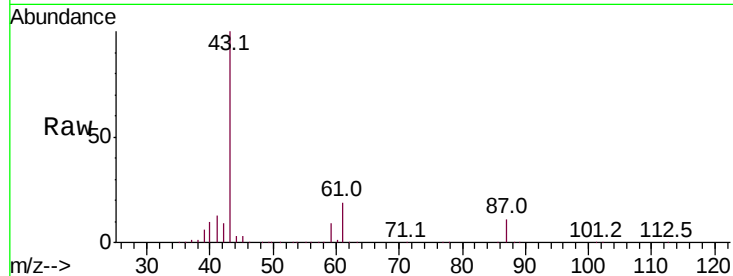
Isopropyl Acetate
 Concen: 47.381 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008465.D
 Acq: 26 Mar 2019 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.2
87	11.5	9.1	13.7

Manual Integrations
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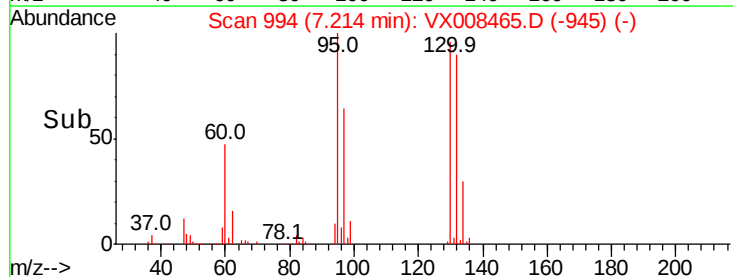
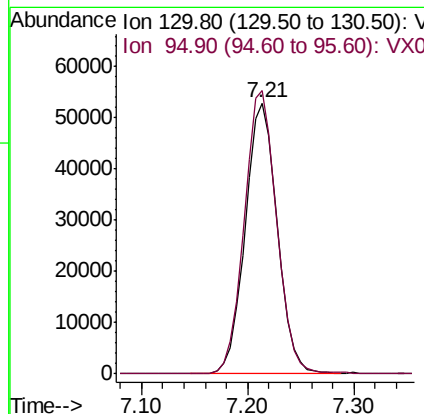
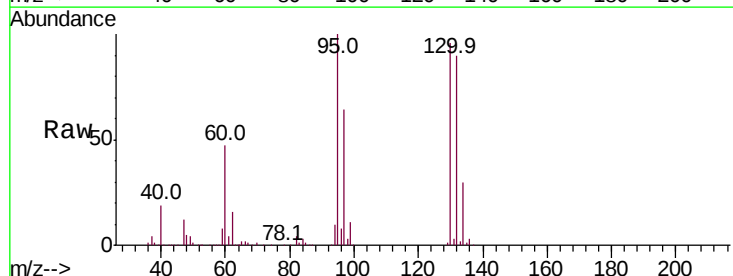
MMDadoda
 3/27/2019 10:41:57 AM

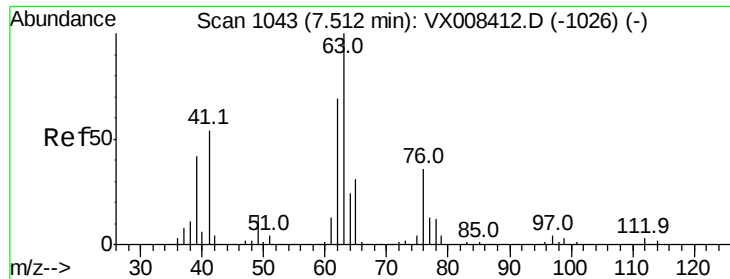


#44

Trichloroethene
 Concen: 45.825 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008465.D
 Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	208.8





#45

1,2-Dichloropropane

Concen: 46.727 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 63 Resp: 138358

Ion Ratio Lower Upper

63 100

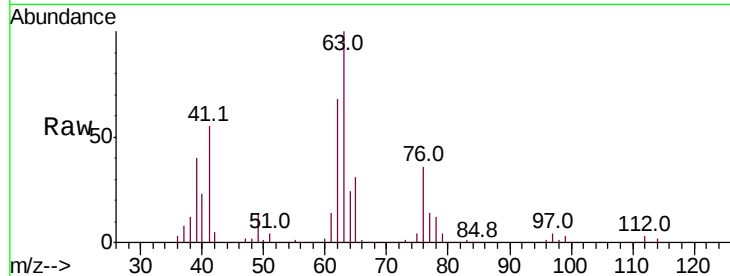
65 31.5 25.1 37.7

Manual Integrations

APPROVED

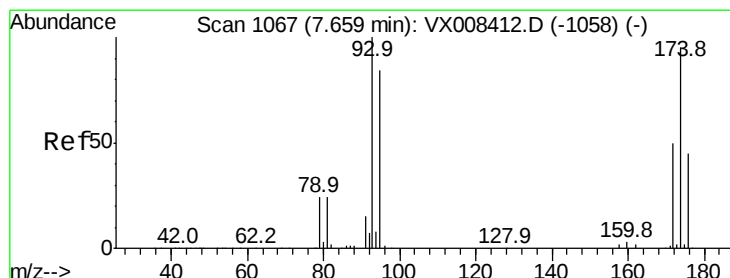
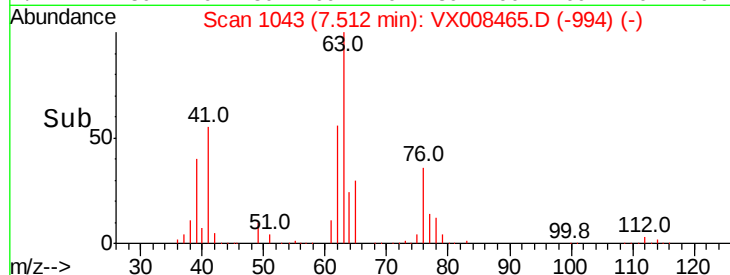
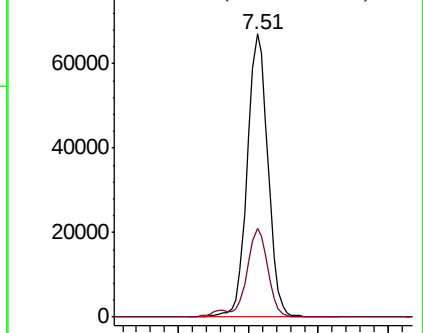
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3/27/2019 10:41:57 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 46.091 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

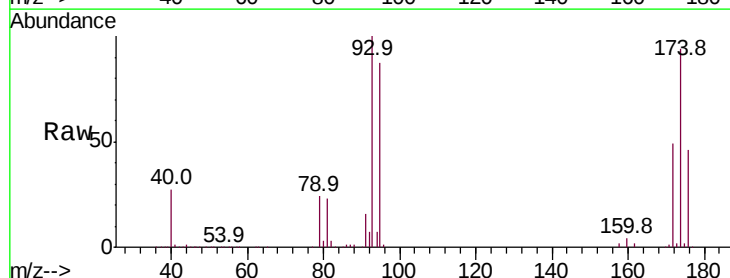
Tgt Ion: 93 Resp: 79695

Ion Ratio Lower Upper

93 100

95 84.3 67.0 100.6

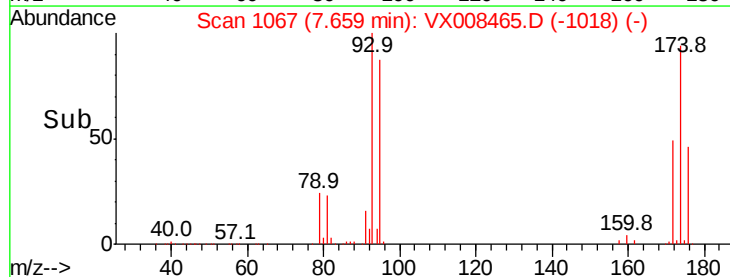
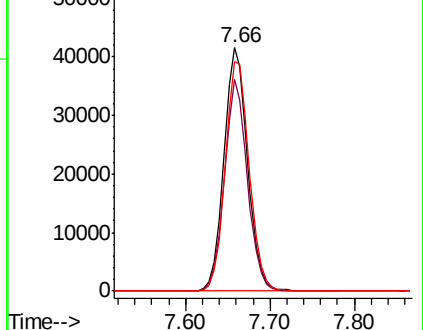
174 96.2 76.0 114.0

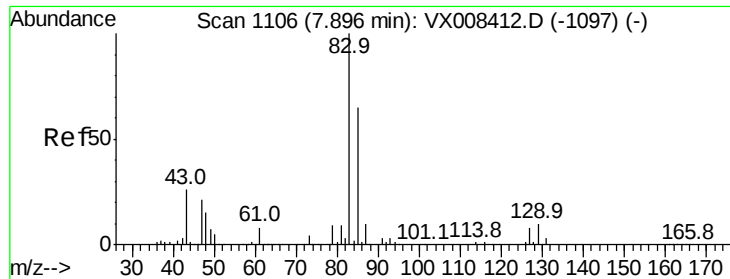


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.507 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 83 Resp: 160539

Ion Ratio Lower Upper

83 100

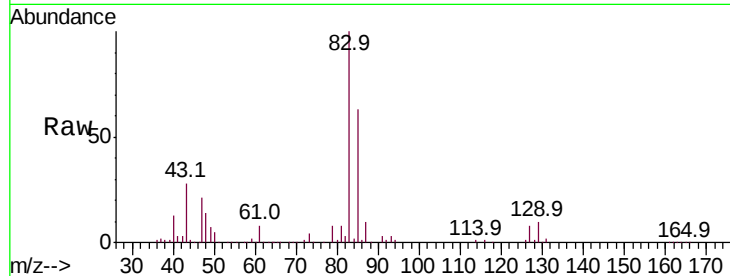
85 62.6 52.0 78.0

127 7.8 6.4 9.6

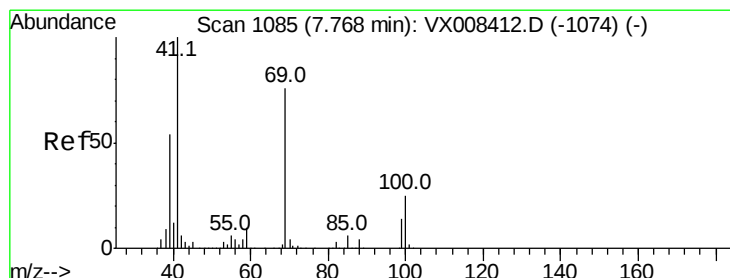
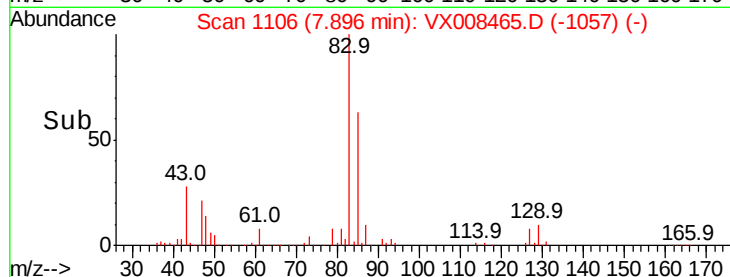
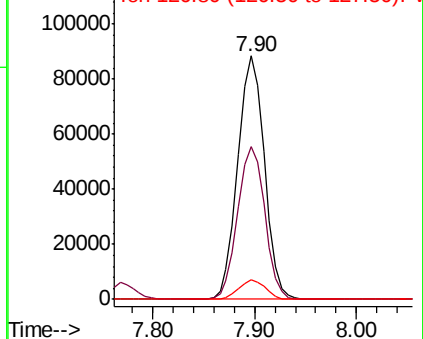
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.799 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

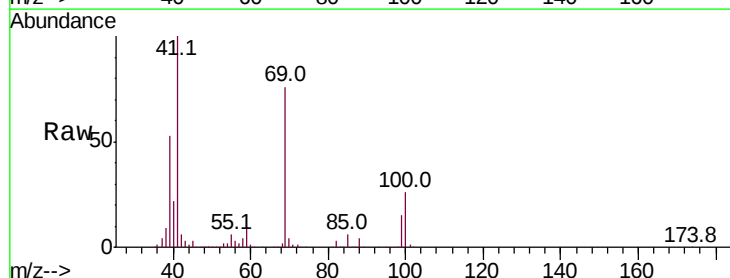
Tgt Ion: 41 Resp: 179663

Ion Ratio Lower Upper

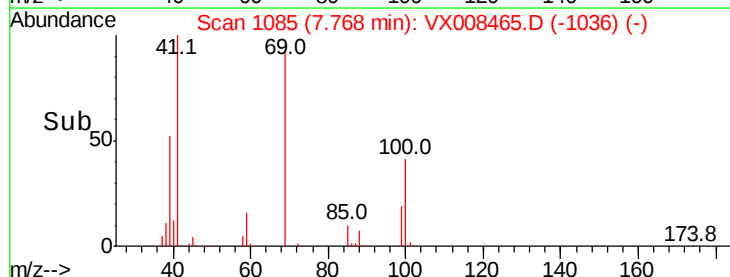
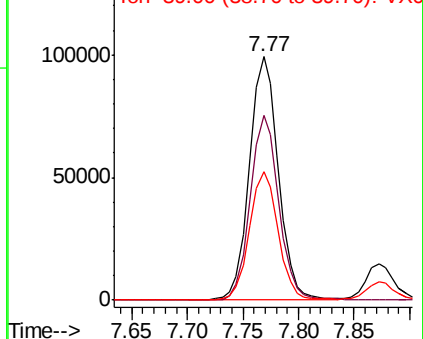
41 100

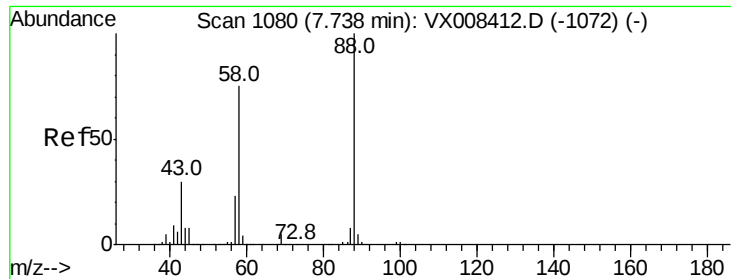
69 74.9 60.8 91.2

39 52.3 42.3 63.5



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





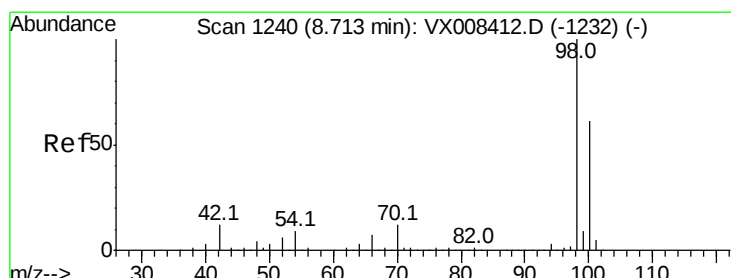
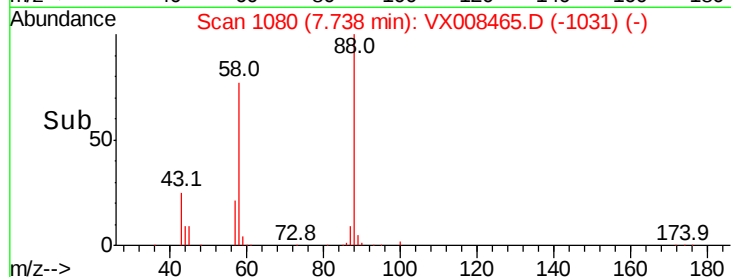
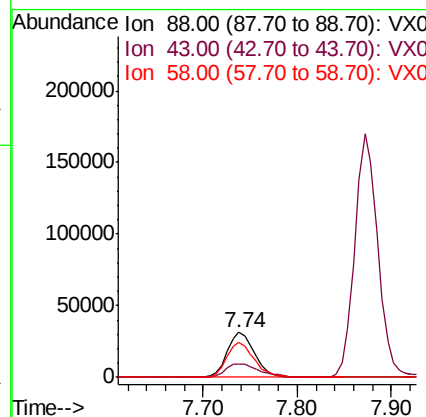
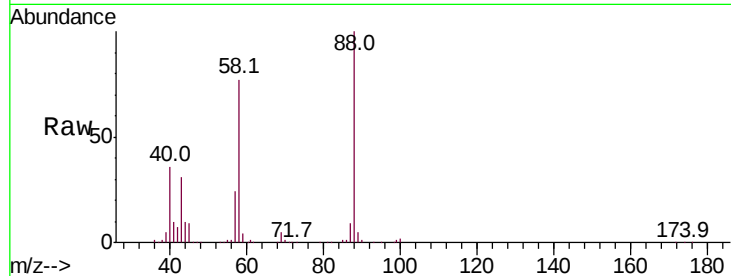
#49
 1,4-Dioxane
 Concen: 881.634 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX008465.D
 Acq: 26 Mar 2019 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	28.6	43.0
58	77.5	63.0	94.4

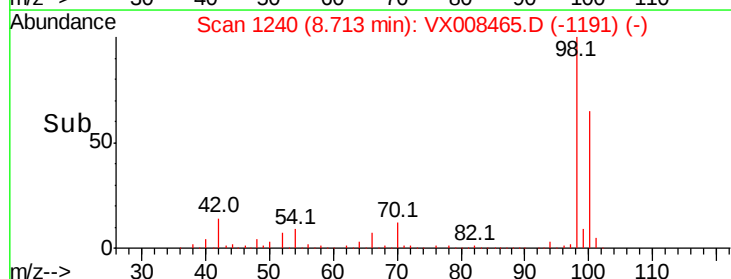
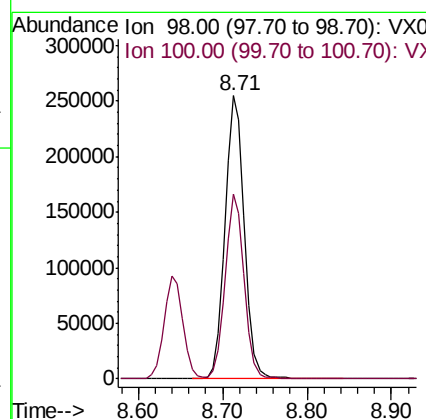
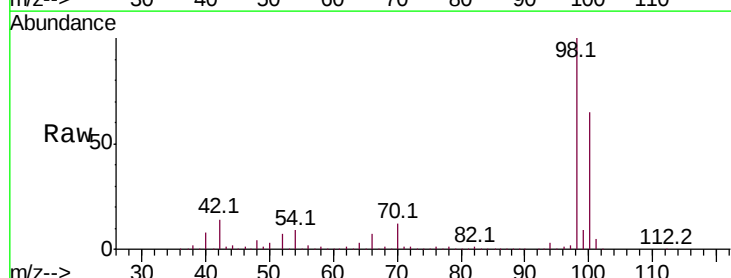
Manual Integrations
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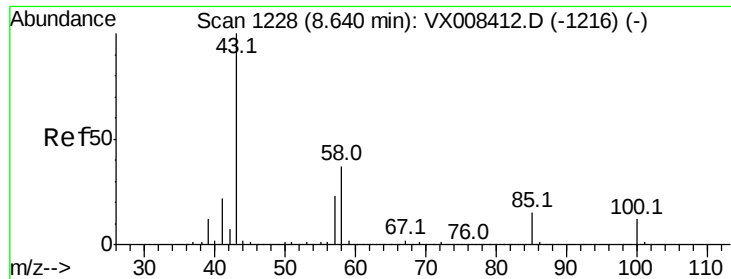
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#50
 Toluene-d8
 Concen: 47.275 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008465.D
 Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 246.883 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 43 Resp: 1156201

Ion Ratio Lower Upper

43 100

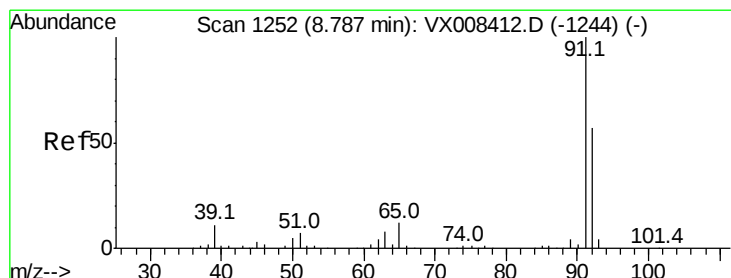
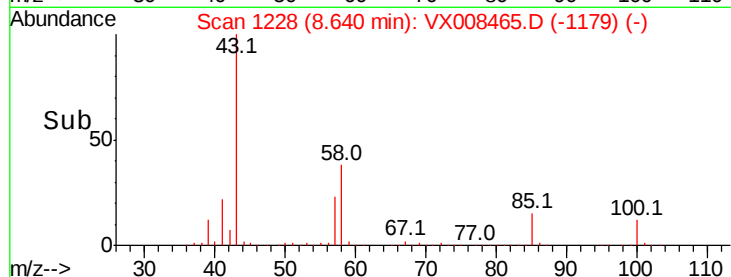
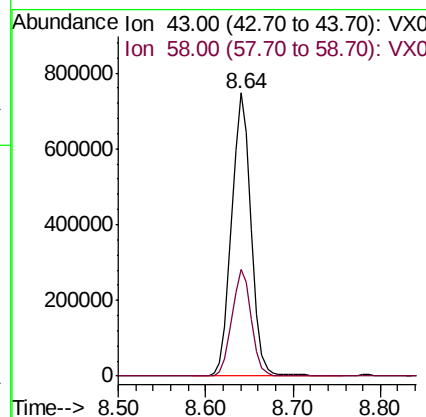
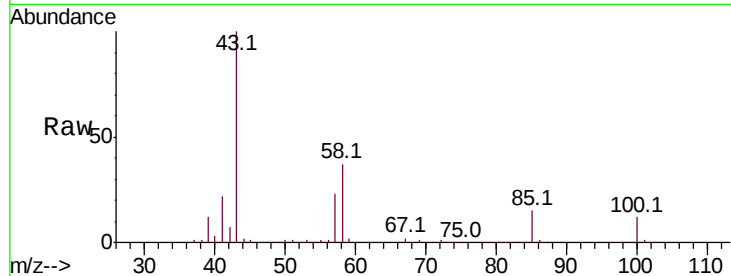
58 37.3 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 47.287 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008465.D

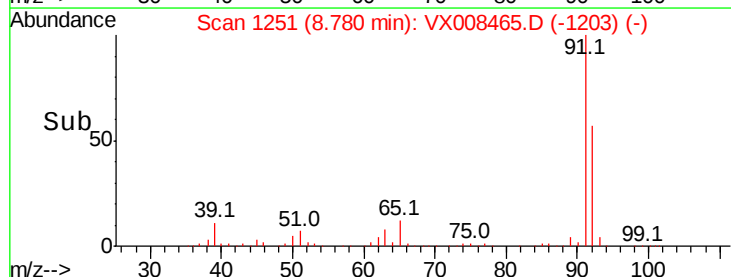
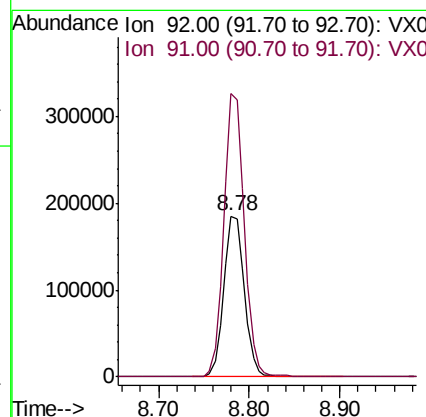
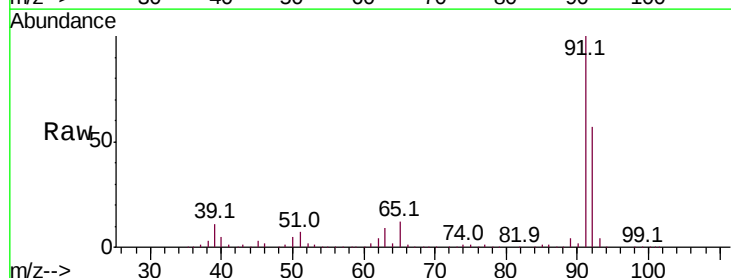
Acq: 26 Mar 2019 19:31

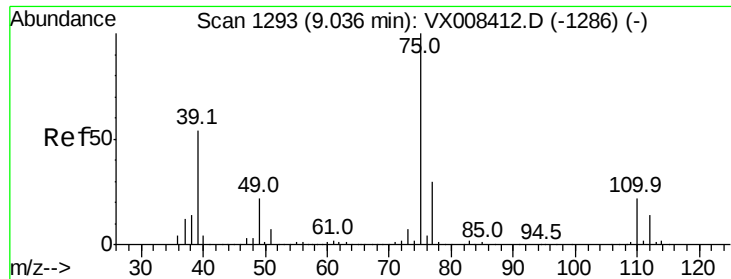
Tgt Ion: 92 Resp: 294541

Ion Ratio Lower Upper

92 100

91 174.9 140.2 210.4





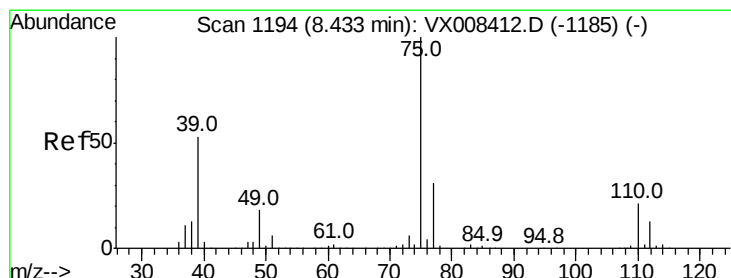
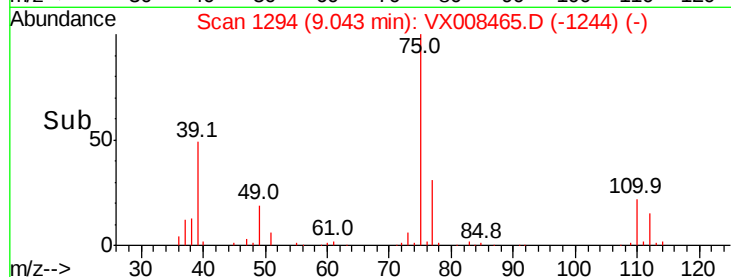
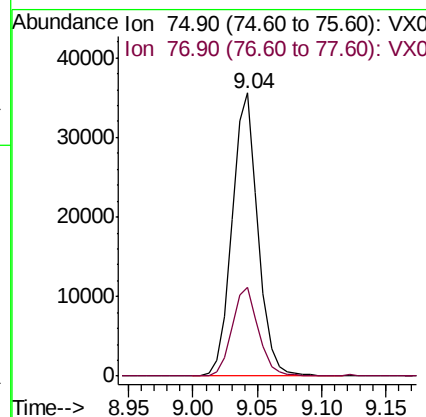
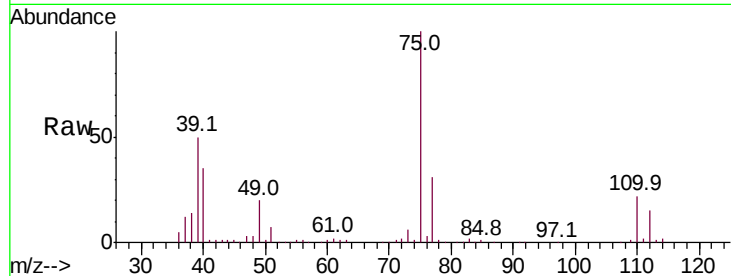
#53
t-1,3-Dichloropropene
Concen: 13.848 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion: 75 Resp: 50201
Ion Ratio Lower Upper
75 100
77 31.3 24.3 36.5

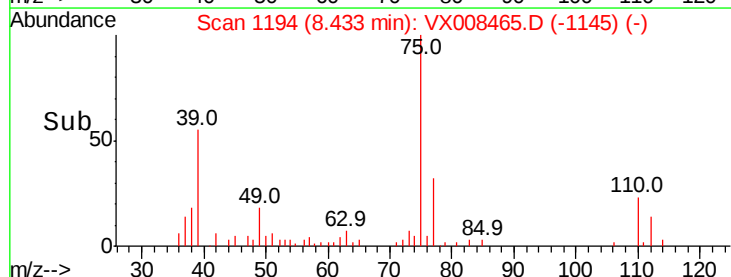
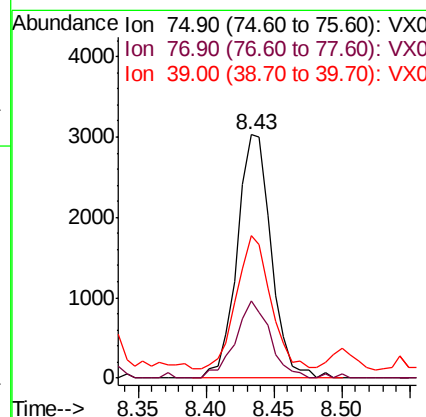
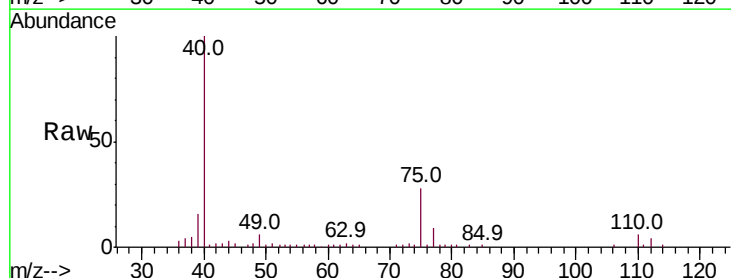
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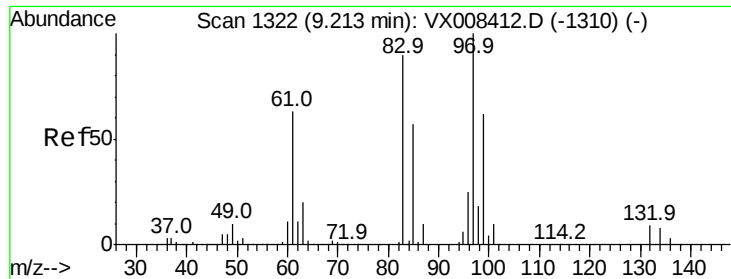
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#54
cis-1,3-Dichloropropene
Concen: 1.283 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion: 75 Resp: 5287
Ion Ratio Lower Upper
75 100
77 31.7 24.7 37.1
39 54.7 42.4 63.6





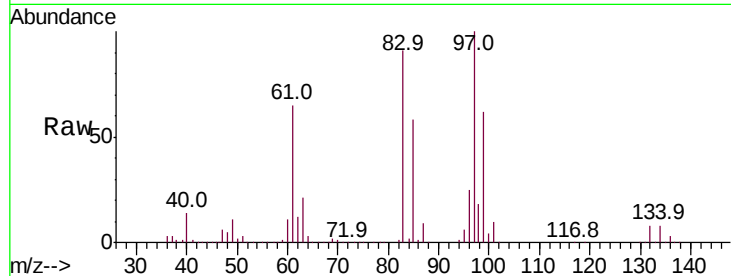
#55
1,1,2-Trichloroethane
Concen: 46.854 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion:	97	Resp:	118801
Ion	Ratio	Lower	Upper
97	100		
83	91.2	71.8	107.6
85	58.1	45.9	68.9
99	61.5	49.4	74.0

Manual Integrations
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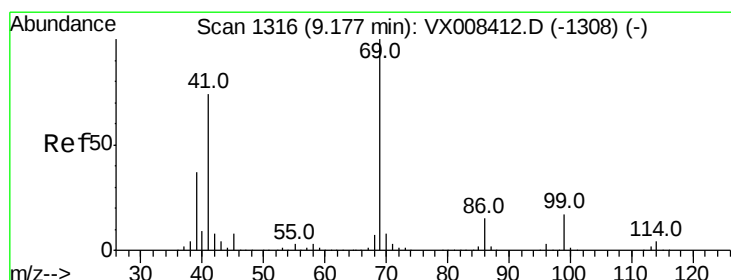
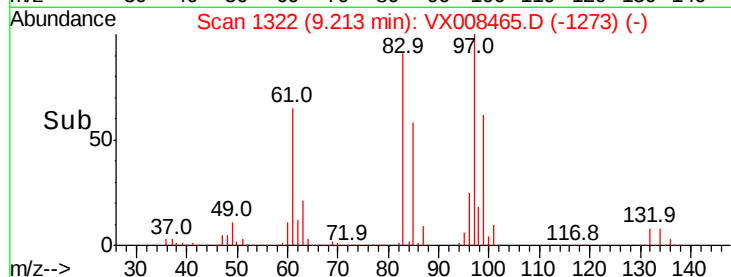
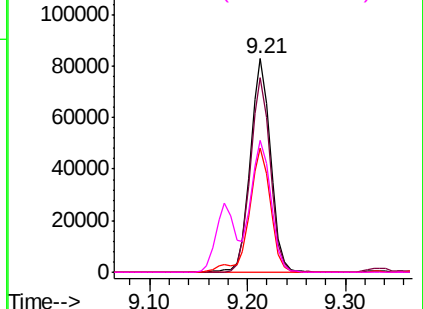
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

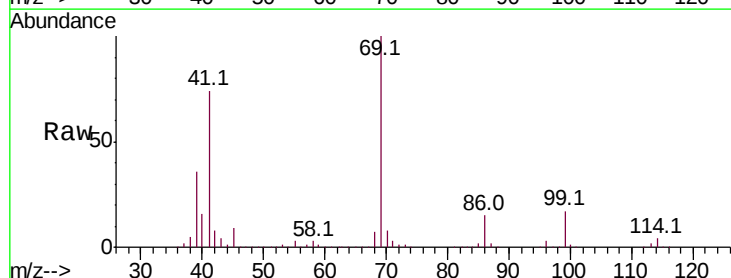
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
Ethyl methacrylate
Concen: 47.807 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion:	69	Resp:	218807
Ion	Ratio	Lower	Upper
69	100		
41	73.6	59.5	89.3
39	36.0	29.3	43.9

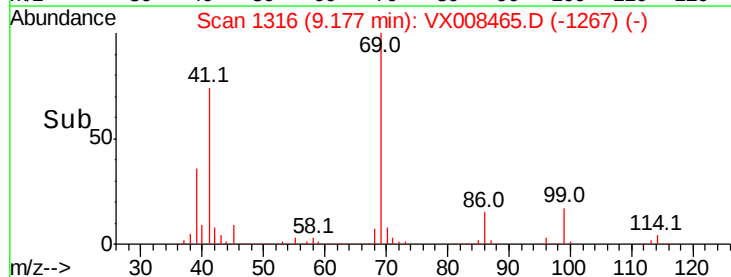
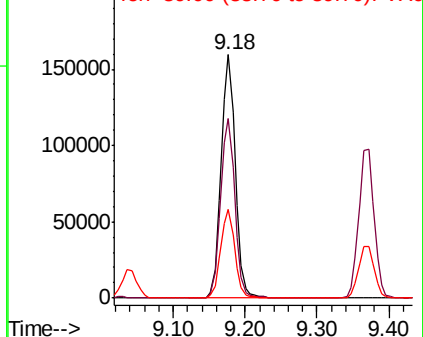


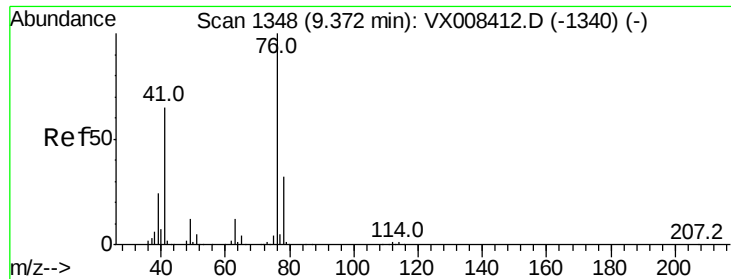
Abundance

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: 46.533 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 76 Resp: 211540

Ion Ratio Lower Upper

76 100

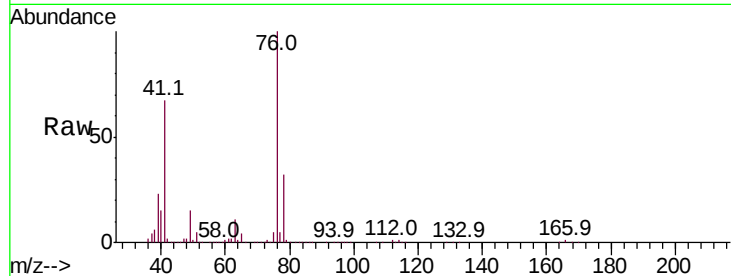
78 31.8 25.8 38.8

Manual Integrations

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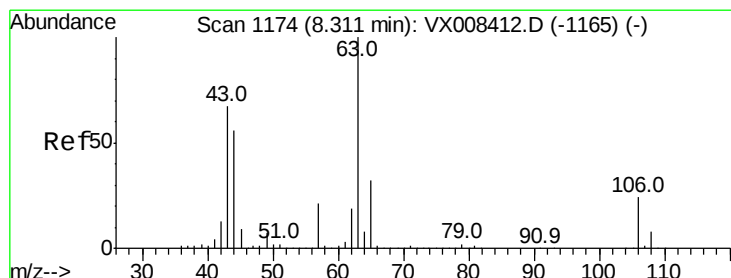
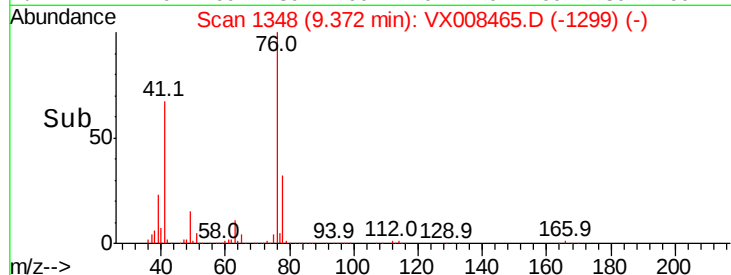
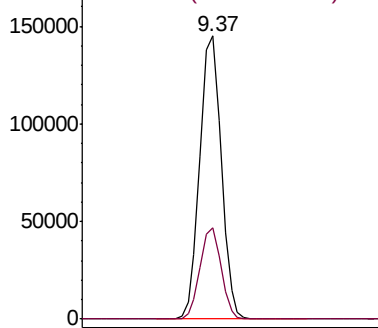
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 241.884 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008465.D

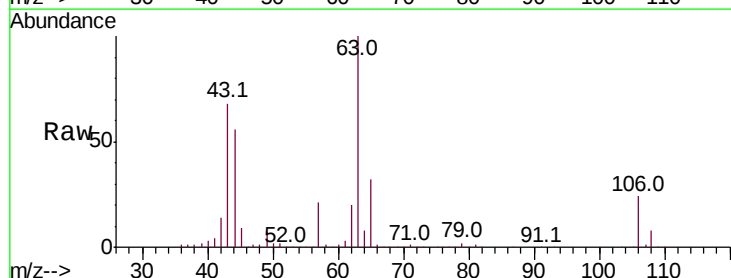
Acq: 26 Mar 2019 19:31

Tgt Ion: 63 Resp: 572265

Ion Ratio Lower Upper

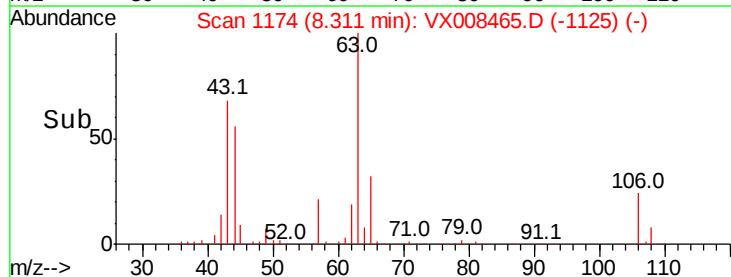
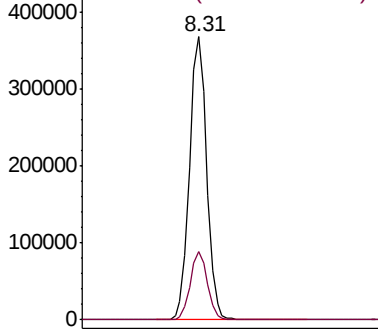
63 100

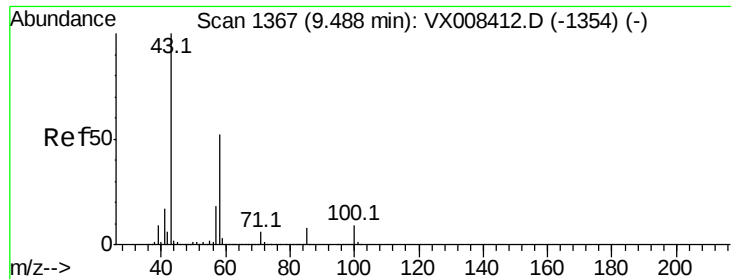
106 24.1 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





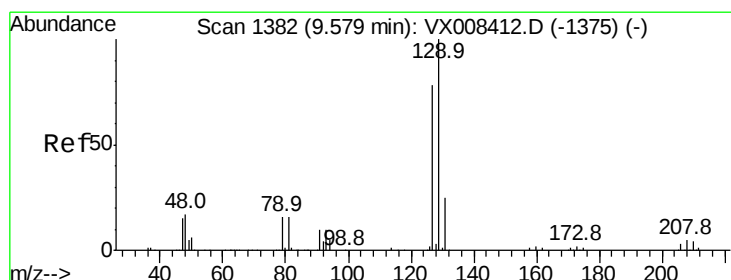
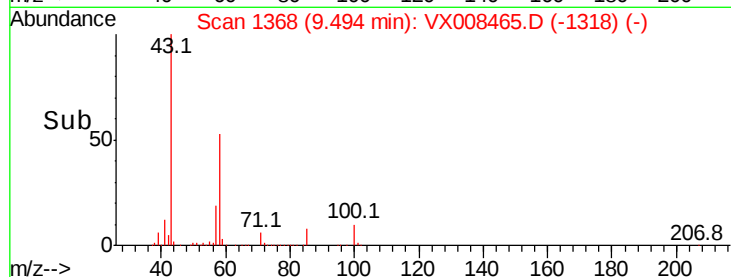
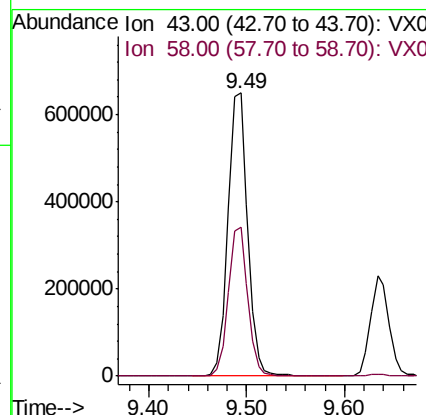
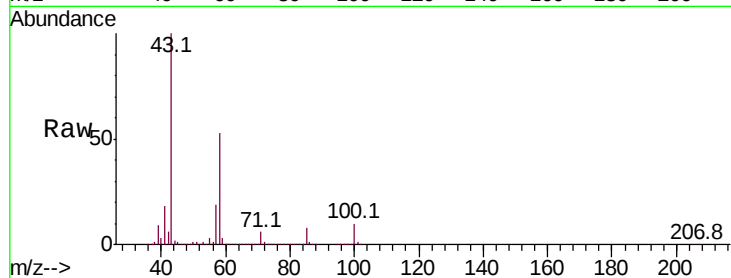
#59
2-Hexanone
Concen: 249.506 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion: 43 Resp: 905407
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.9

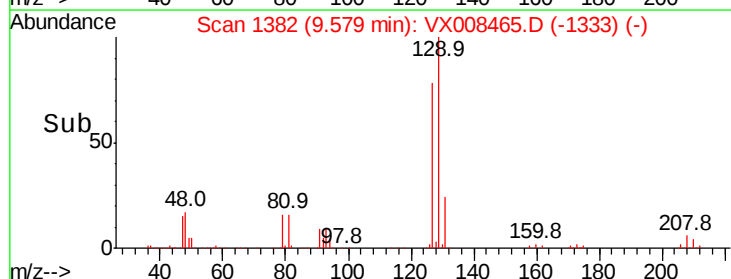
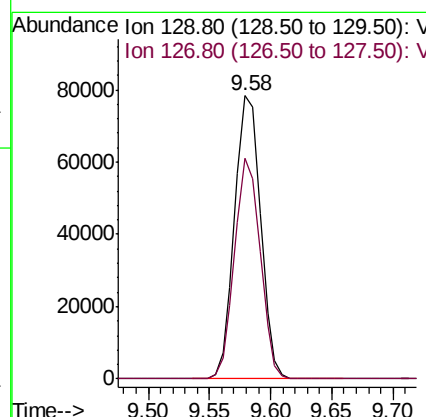
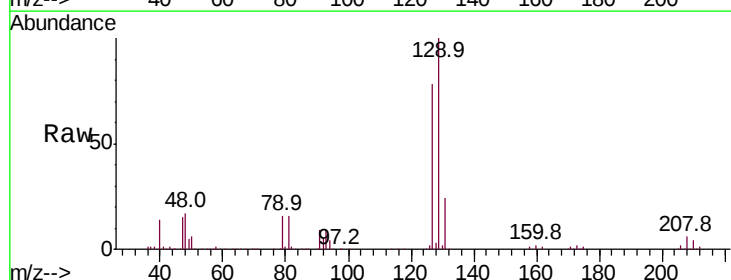
Manual Integrations
APPROVED

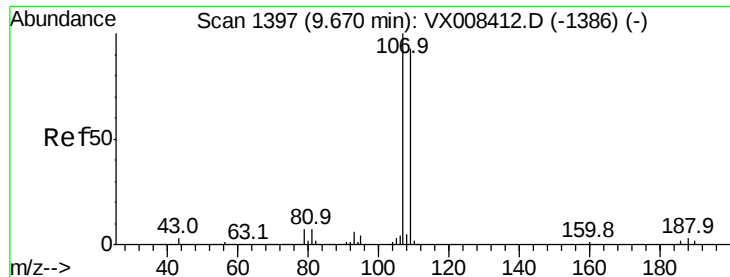
MMDadoda
3/27/2019 10:41:57 AM



#60
Dibromochloromethane
Concen: 47.779 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion: 129 Resp: 115211
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3





#61

1,2-Dibromoethane

Concen: 46.715 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion:107 Resp: 120879

Ion Ratio Lower Upper

107 100

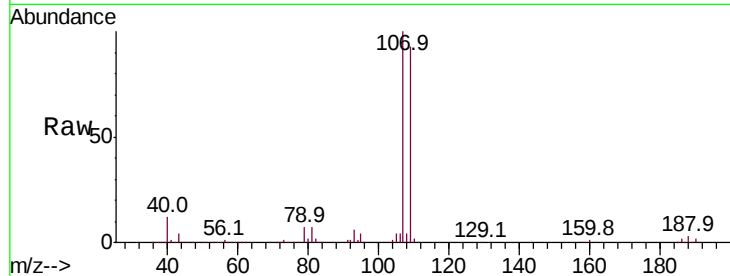
109 93.7 74.6 111.8

Manual Integrations

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MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

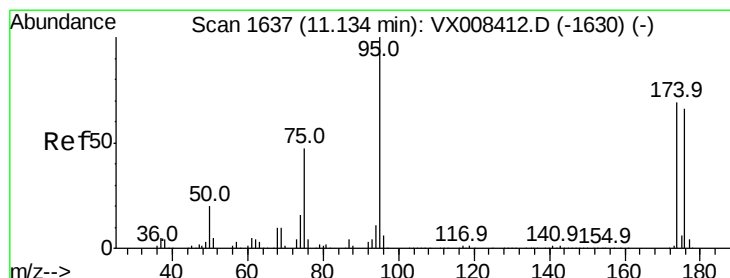
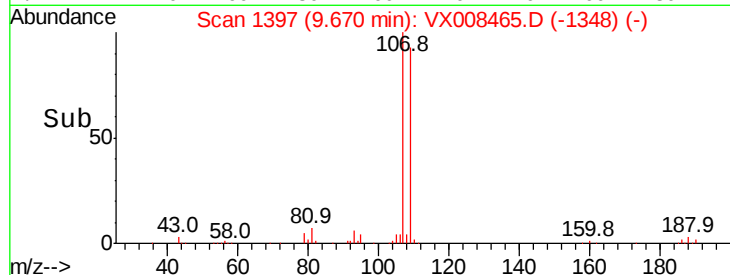
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.665 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

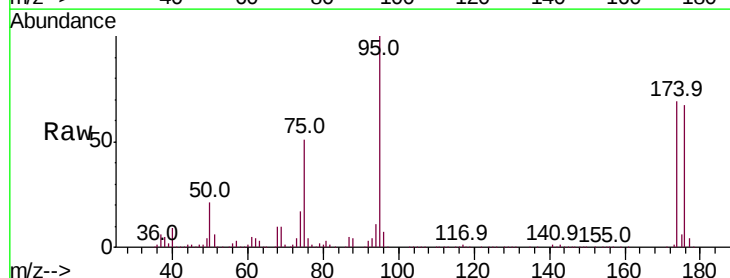
Tgt Ion: 95 Resp: 150294

Ion Ratio Lower Upper

95 100

174 74.6 0.0 147.2

176 72.2 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

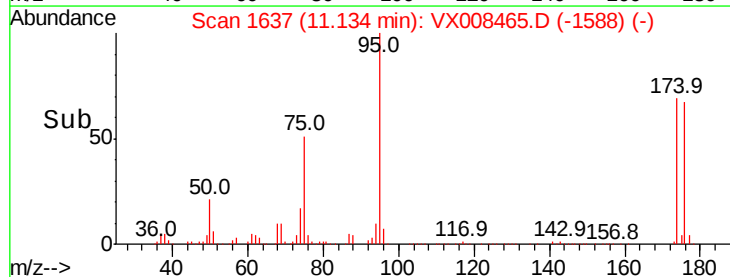
150000

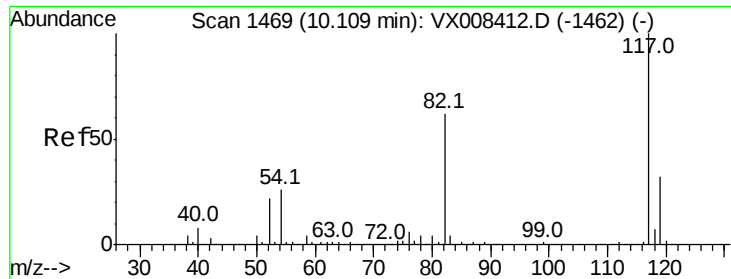
100000

50000

0

Time-->





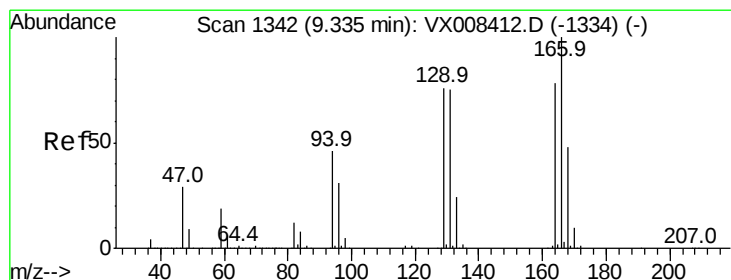
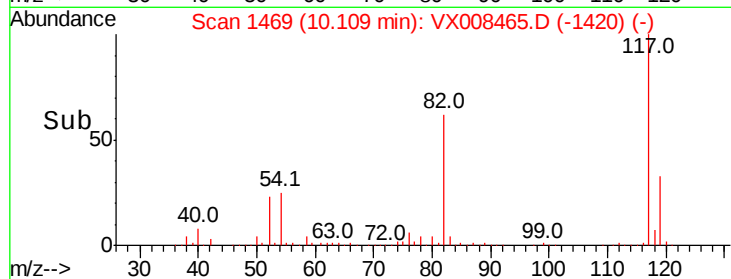
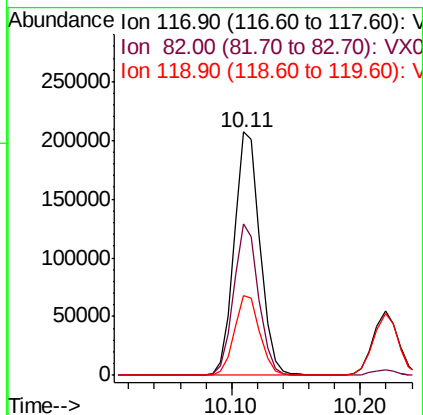
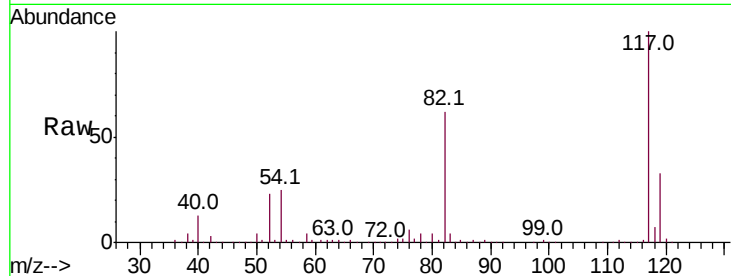
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.2	49.4	74.2
119	32.6	25.4	38.0

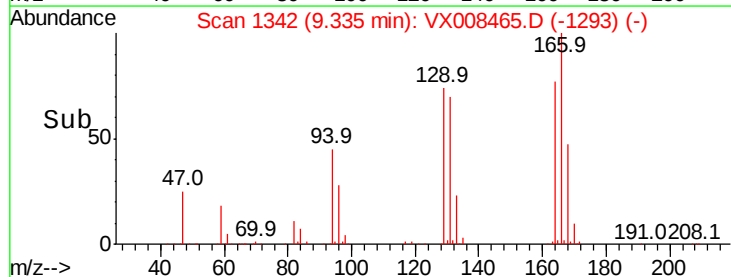
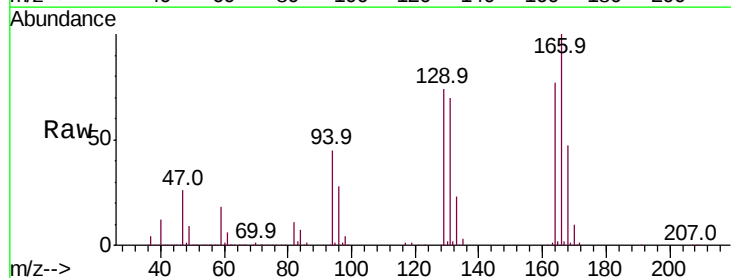
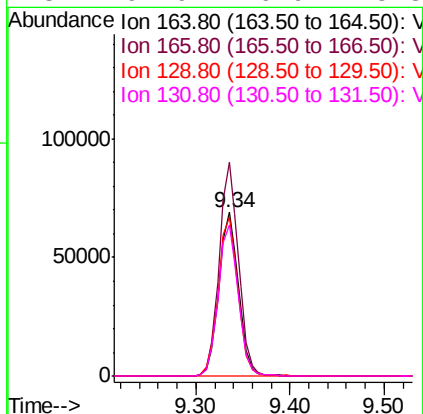
Manual Integrations
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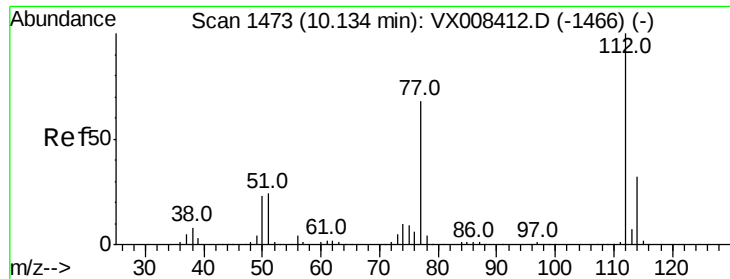
MMDadoda
3/27/2019 10:41:57 AM



#64
Tetrachloroethene
Concen: 51.104 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	102.5	153.7
129	96.6	77.8	116.8
131	91.9	76.9	115.3





#65

Chlorobenzene

Concen: 47.317 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion:112 Resp: 296781

Ion Ratio Lower Upper

112 100

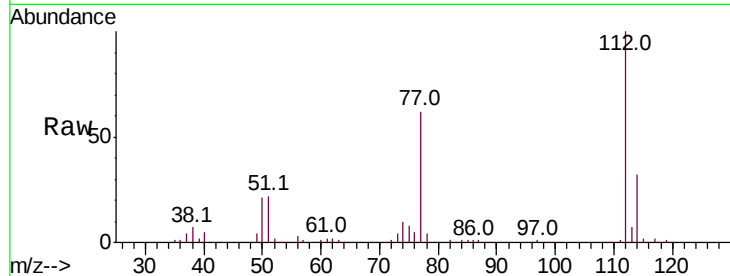
114 32.4 25.4 38.2

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

100000

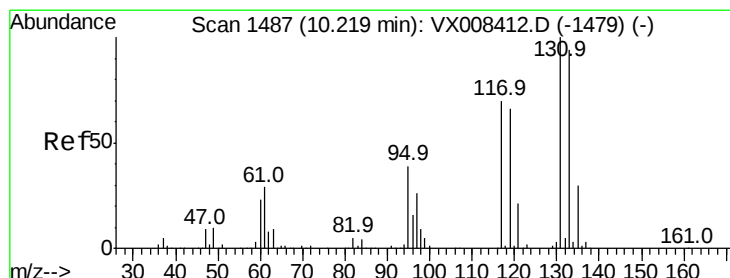
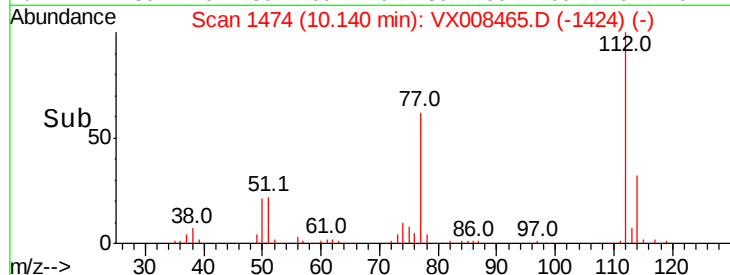
50000

0

10.14

10.10 10.20 10.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.370 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

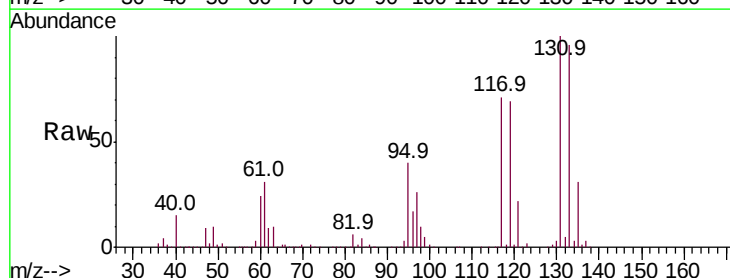
Tgt Ion:131 Resp: 104673

Ion Ratio Lower Upper

131 100

133 95.5 47.3 141.8

119 68.1 33.6 100.6



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

100000

80000

60000

40000

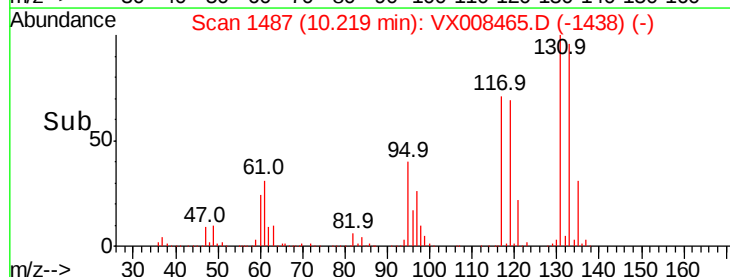
20000

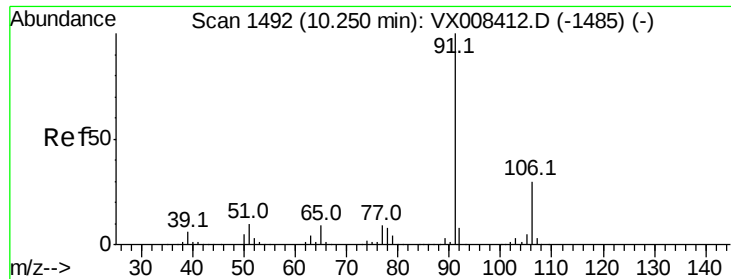
0

10.22

10.20 10.30

Time-->





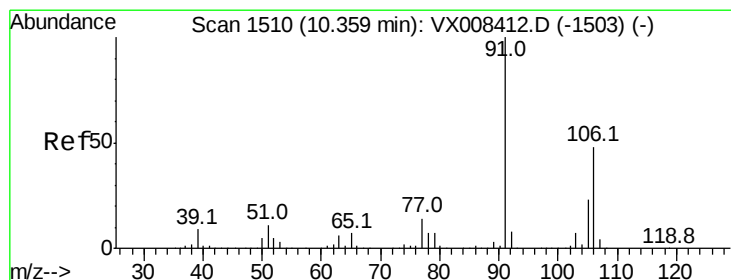
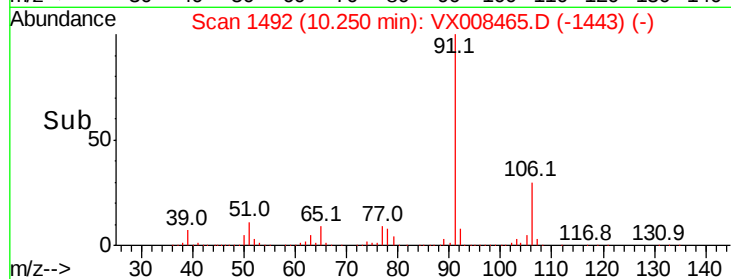
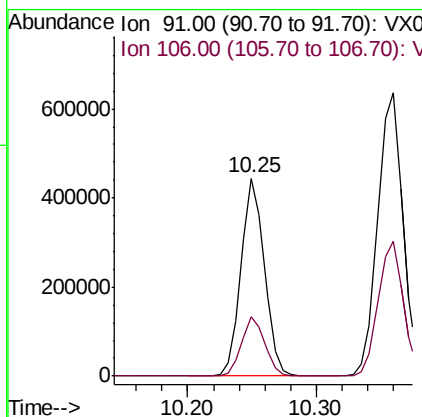
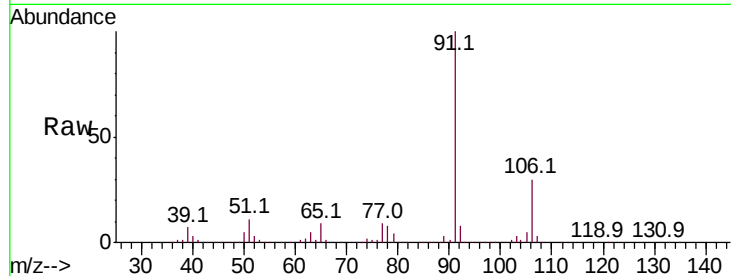
#67
Ethyl Benzene
Concen: 47.409 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion: 91 Resp: 561211
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0

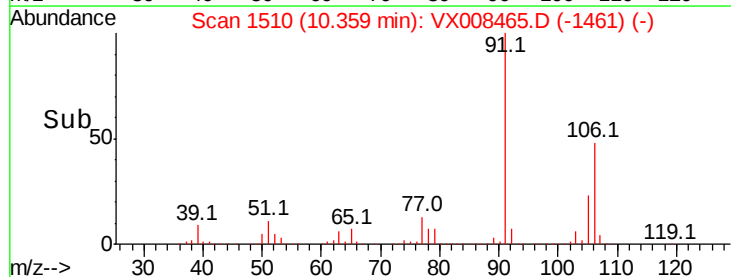
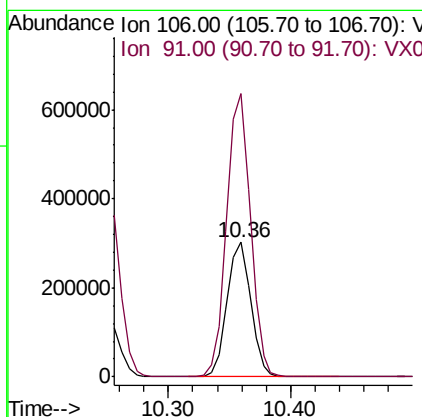
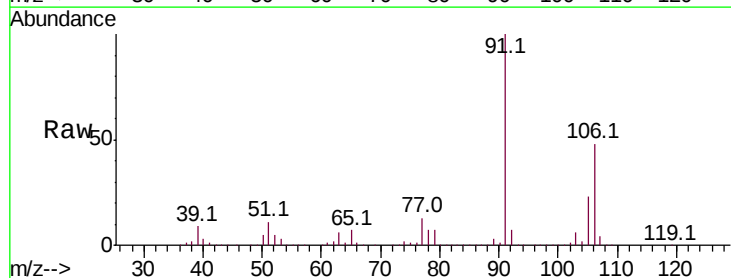
Manual Integrations
APPROVED

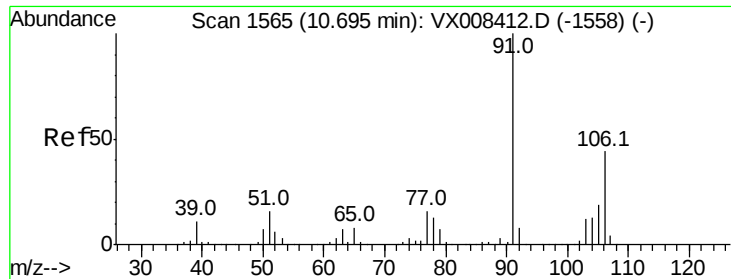
MMDadoda
3/27/2019 10:41:57 AM



#68
m/p-Xylenes
Concen: 94.409 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion: 106 Resp: 406568
Ion Ratio Lower Upper
106 100
91 211.0 168.6 253.0





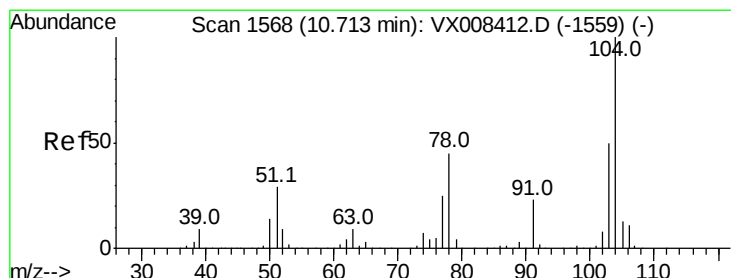
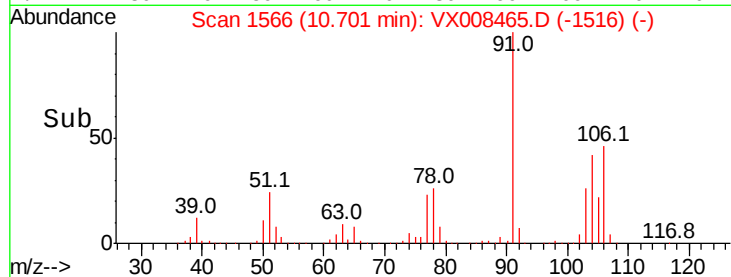
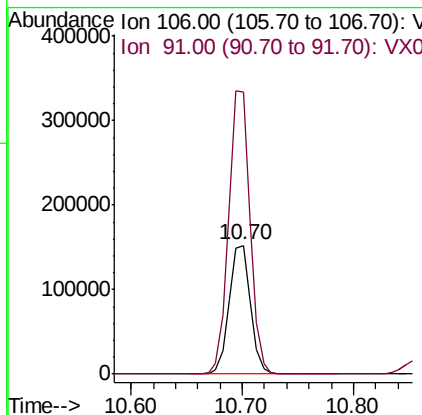
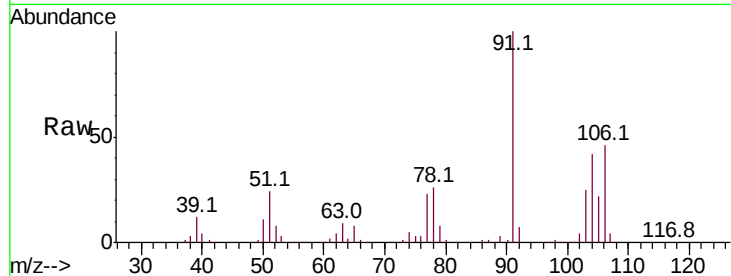
#69
o-Xylene
Concen: 48.300 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion:106 Resp: 201850
Ion Ratio Lower Upper
106 100
91 221.7 111.4 334.2

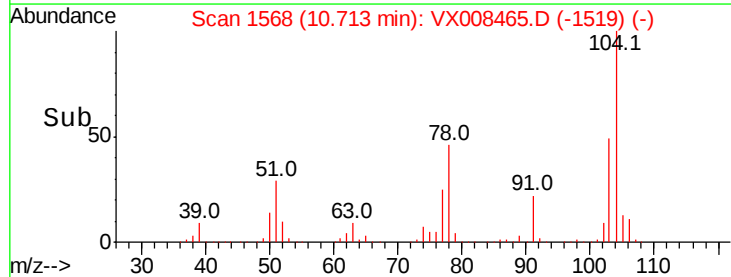
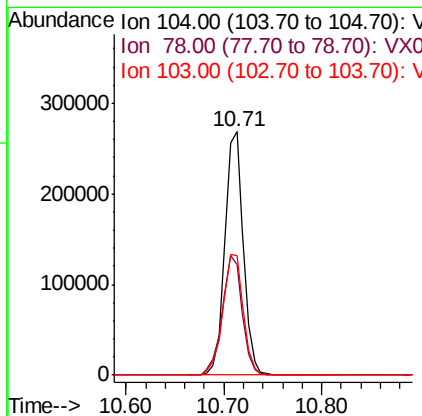
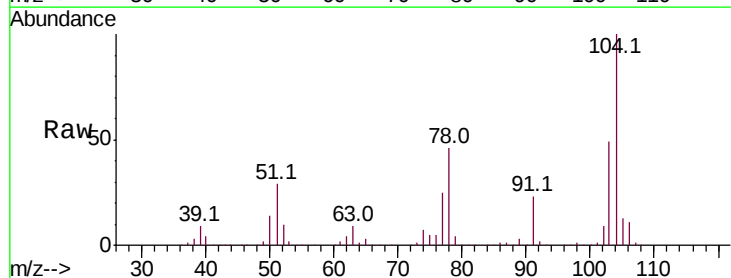
Manual Integrations
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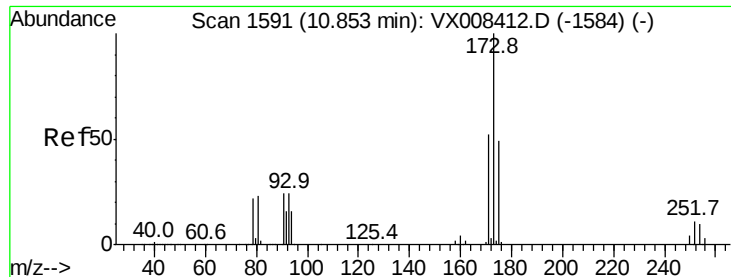
MMDadoda
3/27/2019 10:41:57 AM



#70
Styrene
Concen: 48.601 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion:104 Resp: 350844
Ion Ratio Lower Upper
104 100
78 53.2 42.5 63.7
103 55.1 44.2 66.4





#71

Bromoform

Concen: 49.518 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion:173 Resp: 84625

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

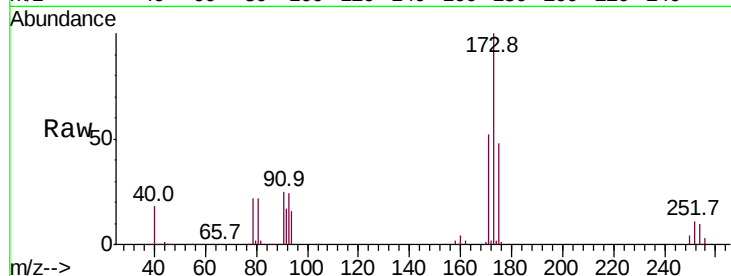
254 0.2 0.2 0.2

Manual Integrations

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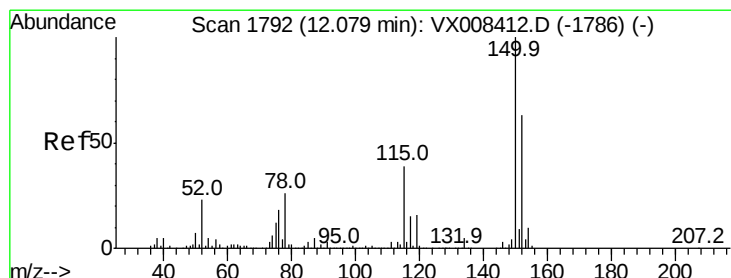
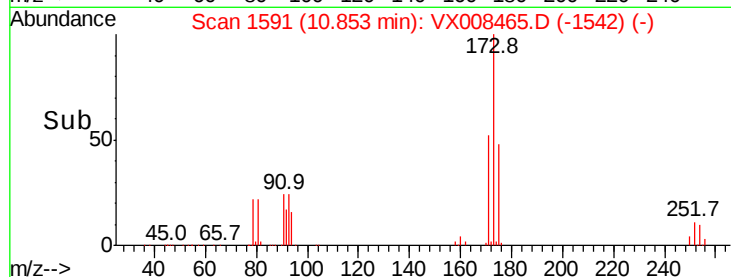
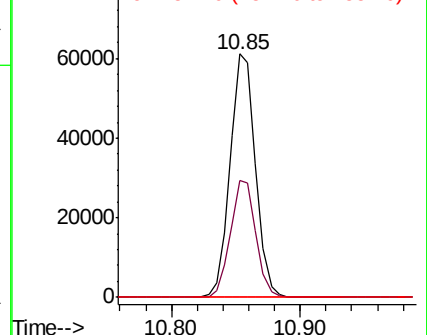


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

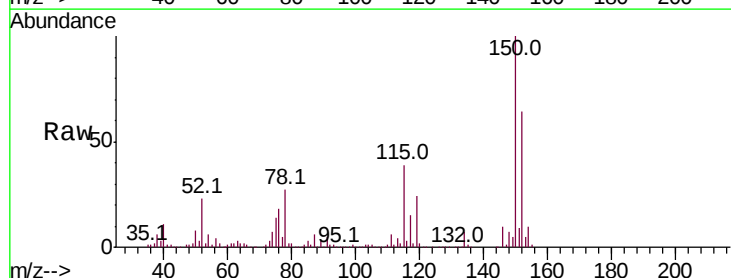
Tgt Ion:152 Resp: 138255

Ion Ratio Lower Upper

152 100

115 85.2 43.5 130.5

150 173.2 0.0 348.8

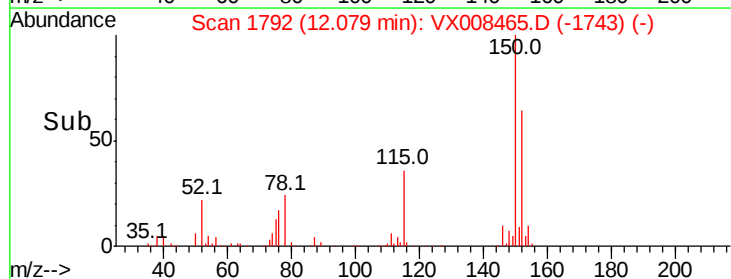
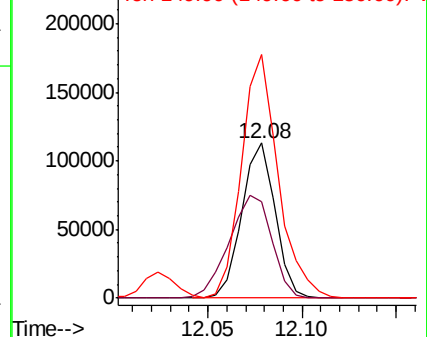


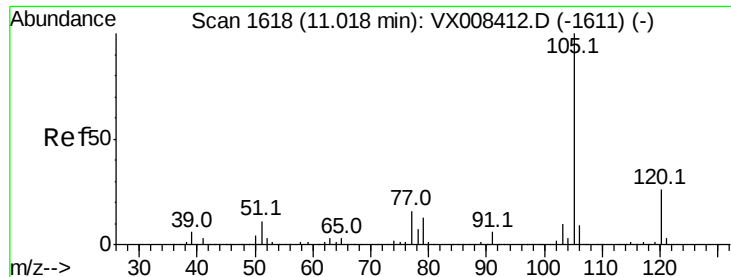
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





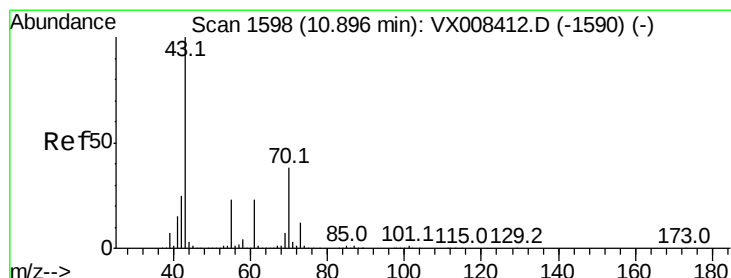
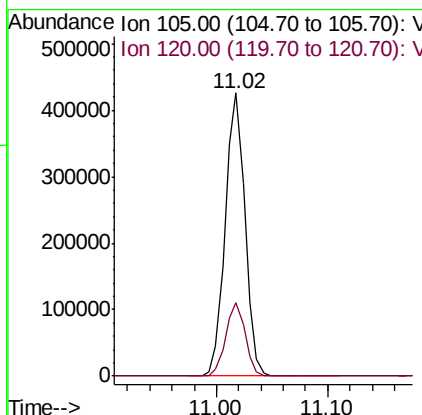
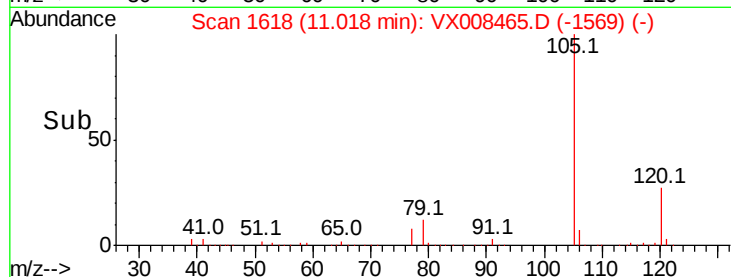
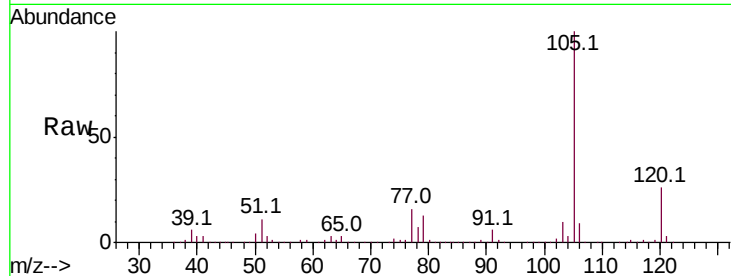
#73
Isopropylbenzene
Concen: 46.399 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion: 105 Resp: 521885
Ion Ratio Lower Upper
105 100
120 25.6 12.9 38.7

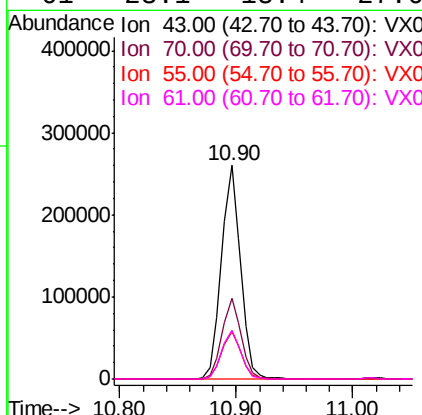
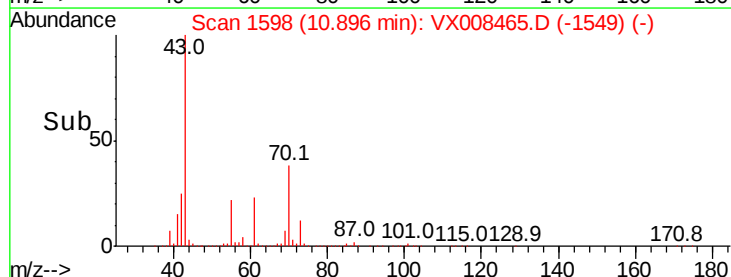
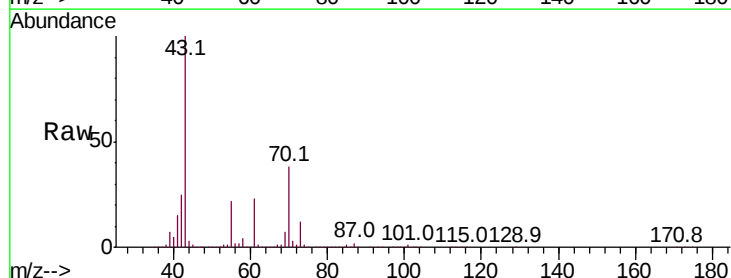
Manual Integrations
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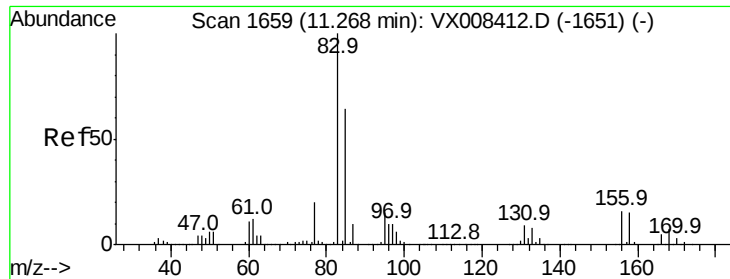
MMDadoda
3/27/2019 10:41:57 AM



#74
N-ethyl acetate
Concen: 45.025 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion: 43 Resp: 293124
Ion Ratio Lower Upper
43 100
70 38.0 30.5 45.7
55 22.7 18.2 27.2
61 23.1 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.665 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 83 Resp: 203649

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.4

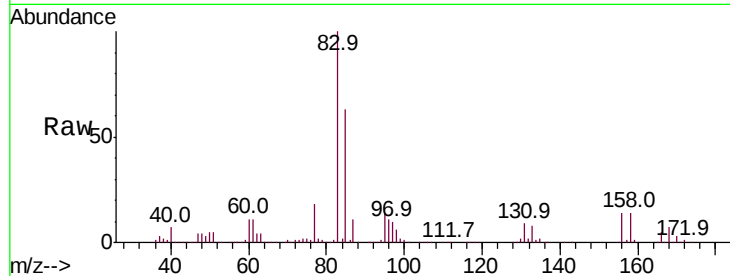
85 64.0 31.9 95.9

Manual Integrations

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MMDadoda

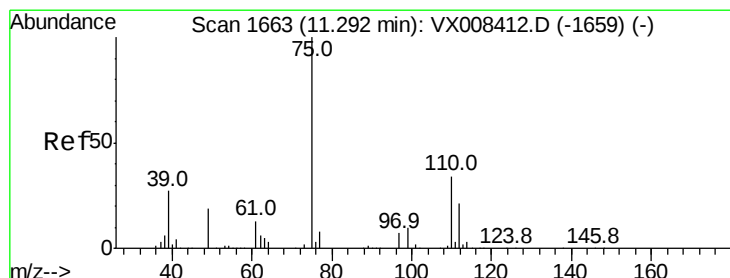
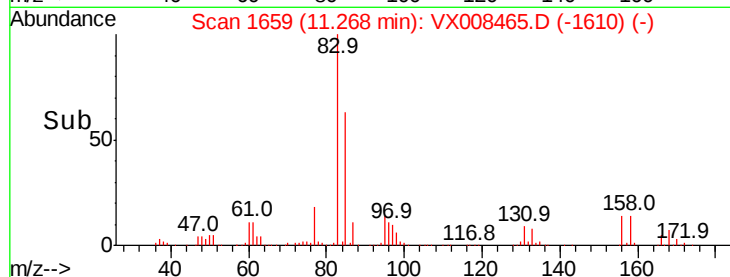
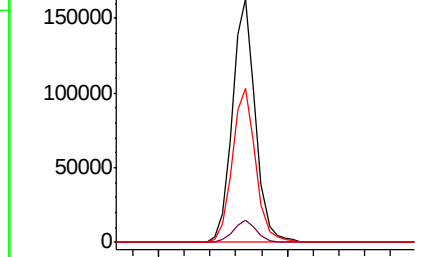
3/27/2019 10:41:57 AM



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: 38.725 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008465.D

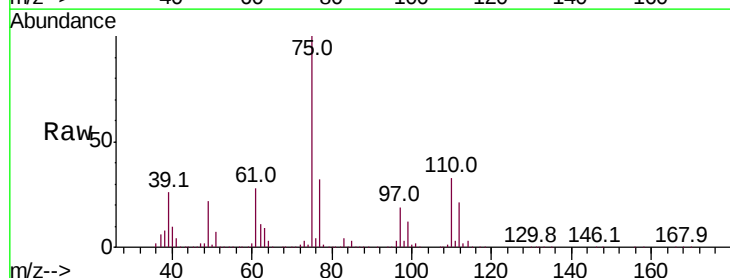
Acq: 26 Mar 2019 19:31

Tgt Ion: 75 Resp: 159167

Ion Ratio Lower Upper

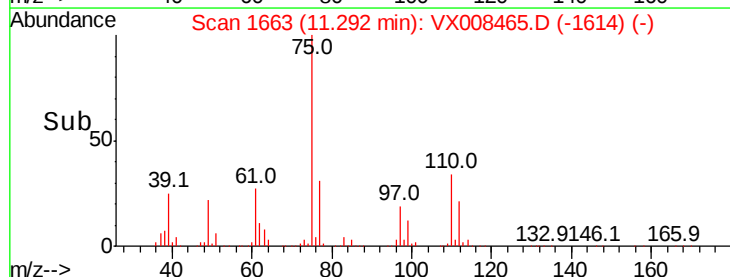
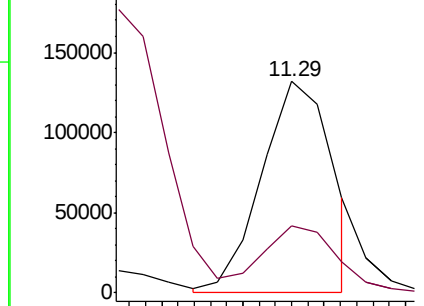
75 100

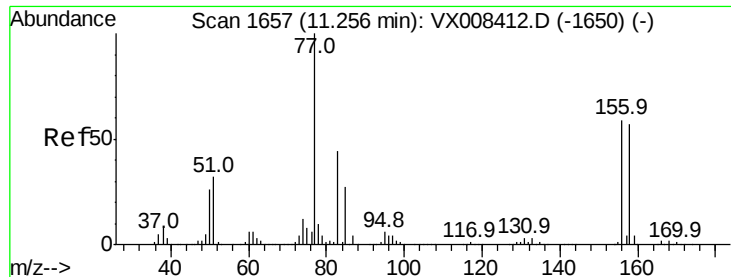
77 34.2 21.9 65.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.878 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion:156 Resp: 125239

Ion Ratio Lower Upper

156 100

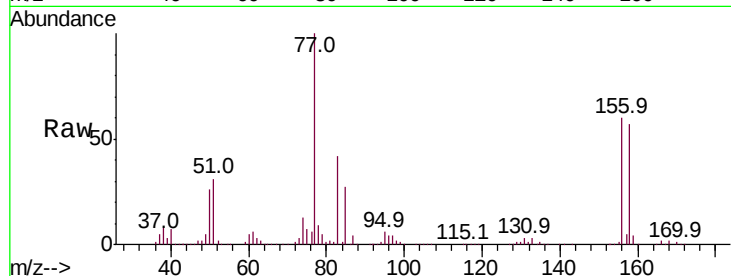
77 181.3 91.1 273.3

158 97.4 48.3 144.8

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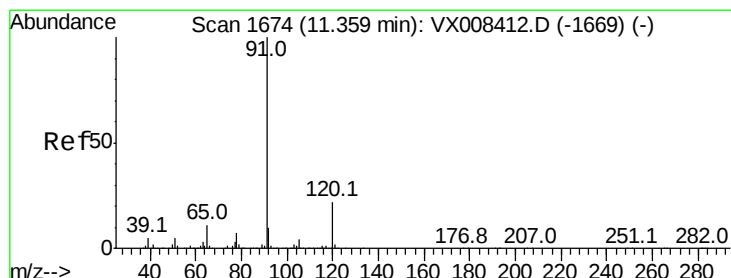
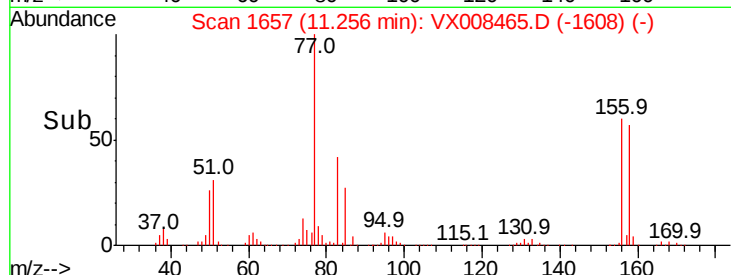
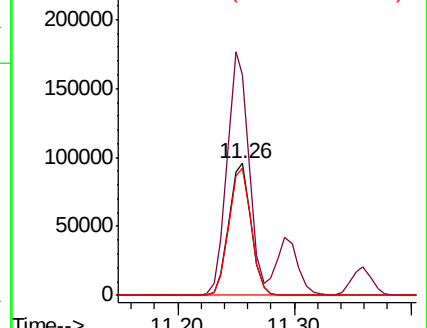
3/27/2019 10:41:57 AM



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: 47.012 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008465.D

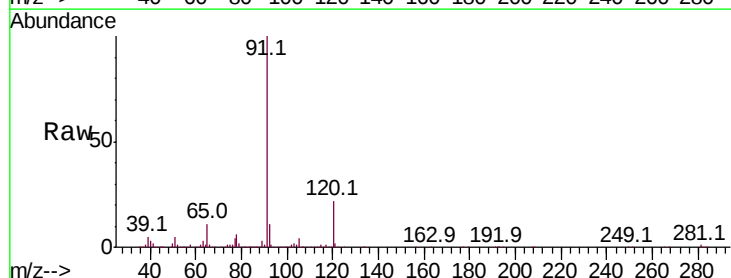
Acq: 26 Mar 2019 19:31

Tgt Ion: 91 Resp: 619425

Ion Ratio Lower Upper

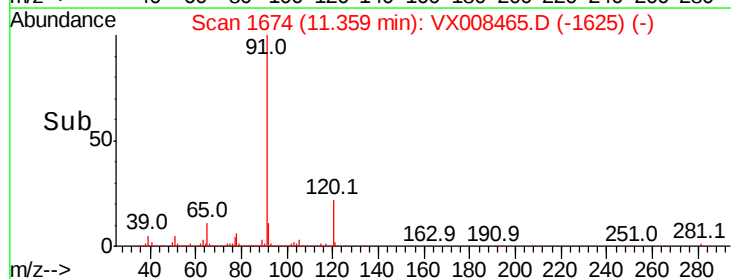
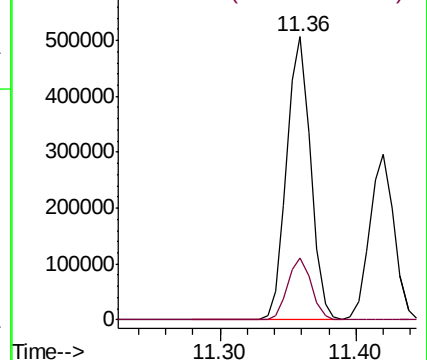
91 100

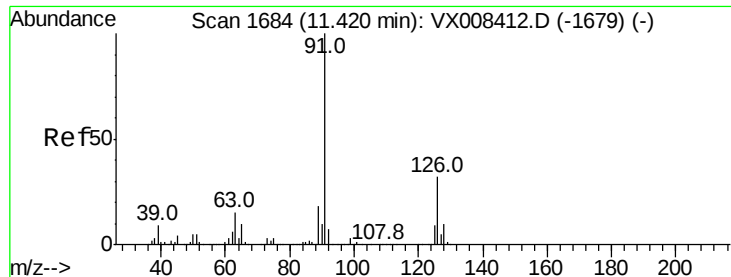
120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.118 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 91 Resp: 369596

Ion Ratio Lower Upper

91 100

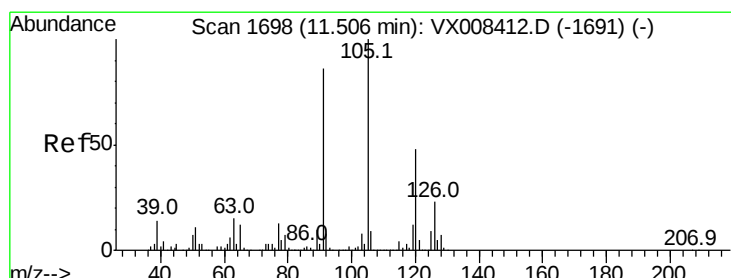
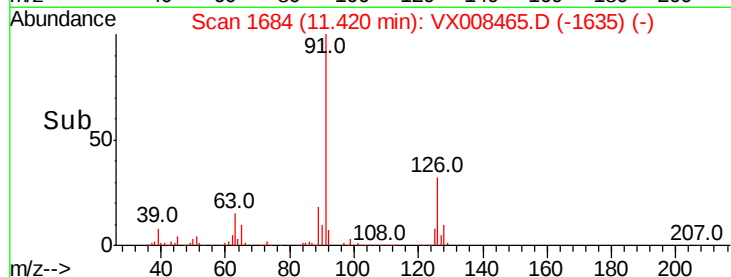
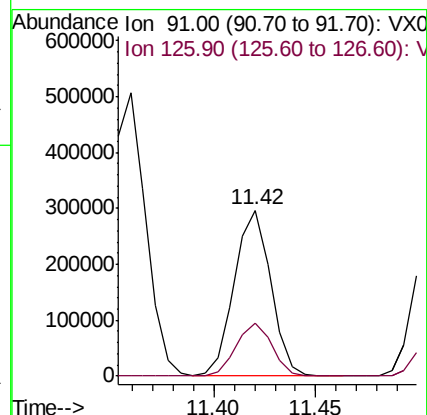
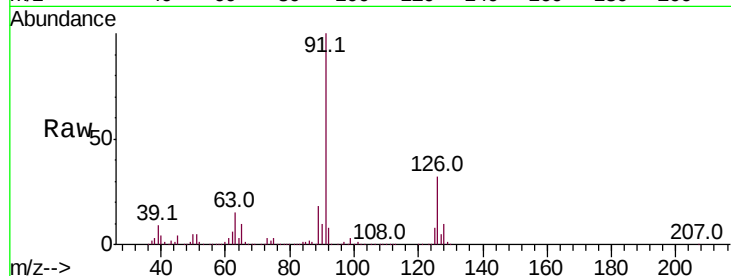
126 31.8 15.7 47.1

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3/27/2019 10:41:57 AM



#80

1,3,5-Trimethylbenzene

Concen: 46.936 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008465.D

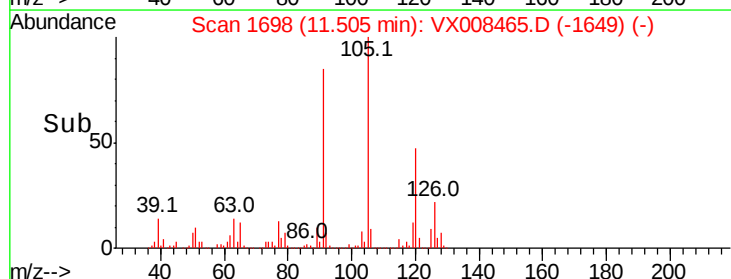
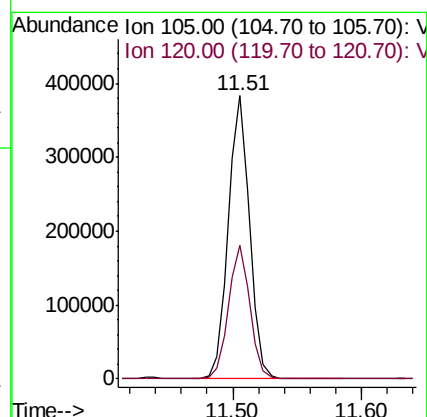
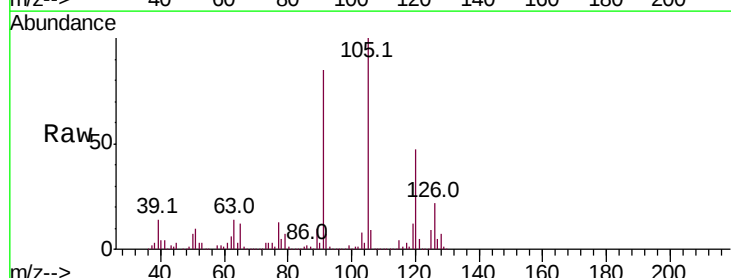
Acq: 26 Mar 2019 19:31

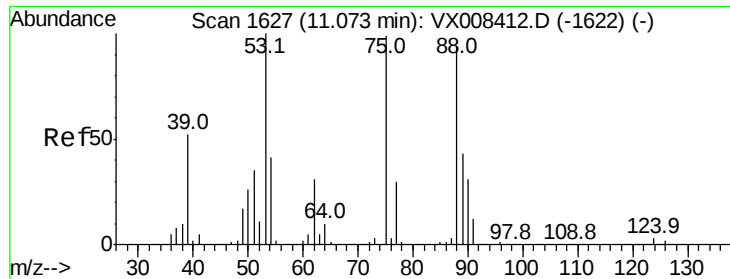
Tgt Ion: 105 Resp: 446319

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.3





#81

trans-1,4-Dichloro-2-butene

Concen: 4.813 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion: 75 Resp: 6176

Ion Ratio Lower Upper

75 100

53 121.3 82.1 123.1

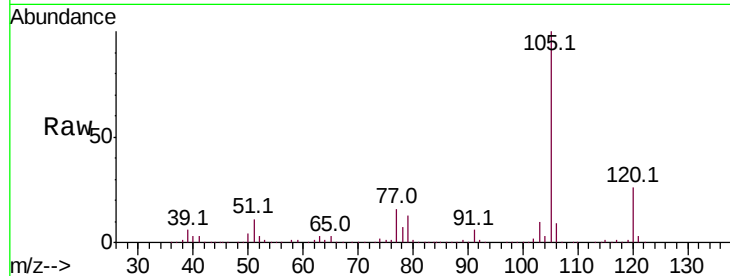
89 101.3 34.6 52.0#

Manual Integrations

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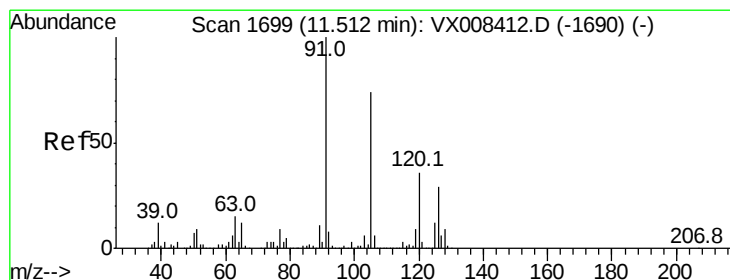
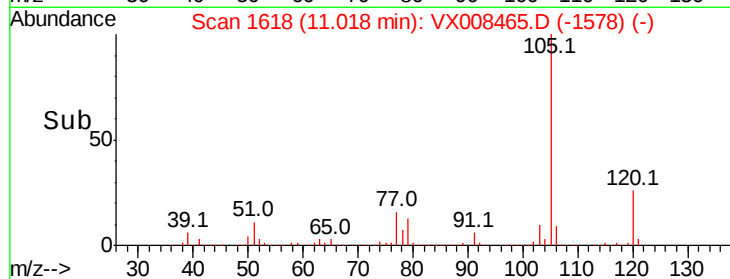
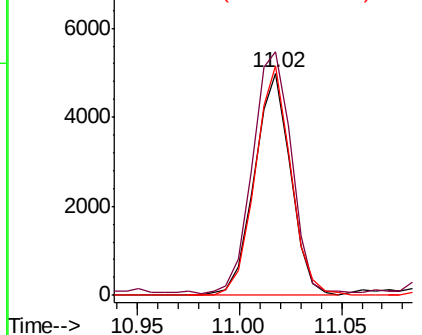
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 46.111 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008465.D

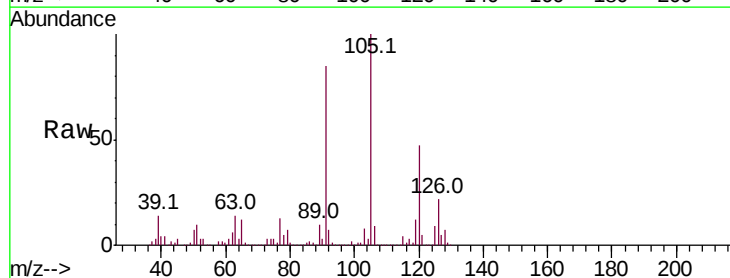
Acq: 26 Mar 2019 19:31

Tgt Ion: 91 Resp: 426260

Ion Ratio Lower Upper

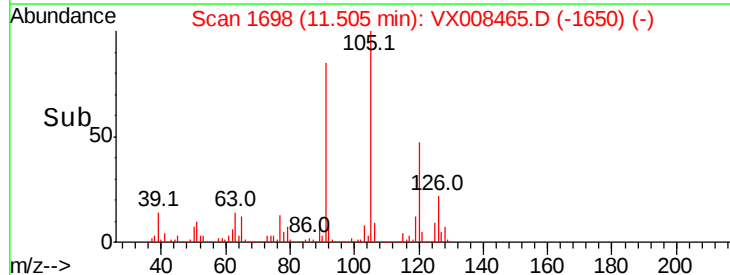
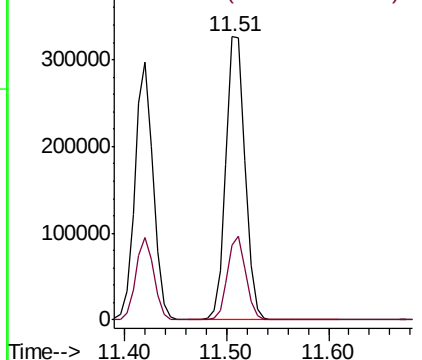
91 100

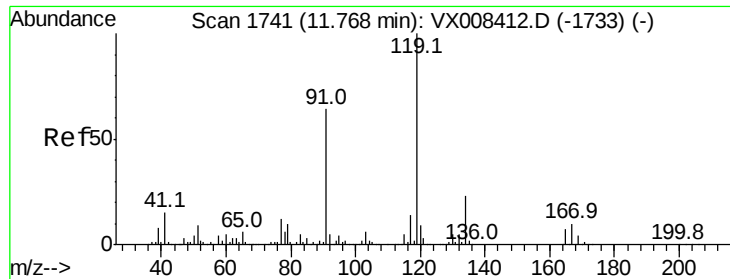
126 27.9 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





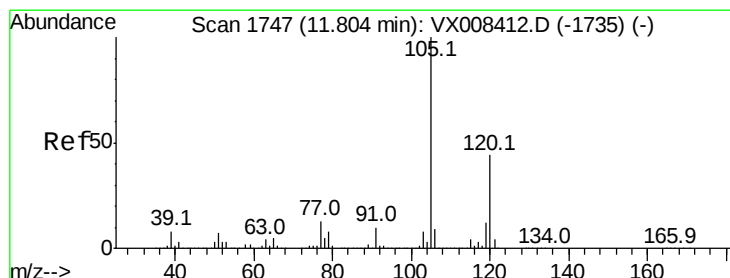
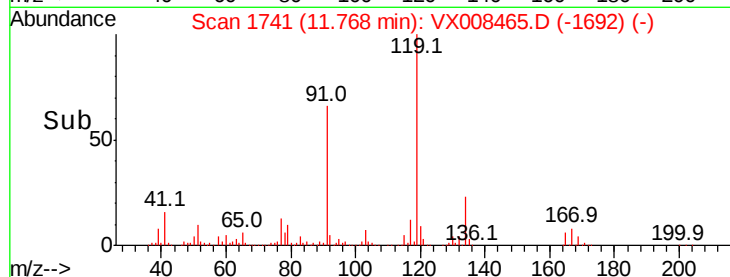
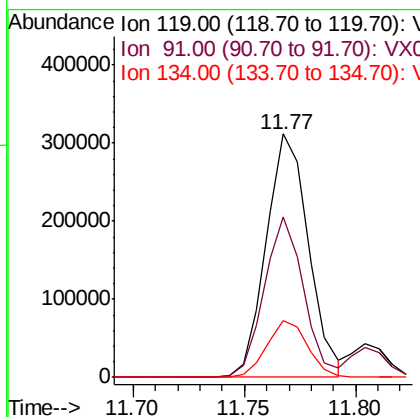
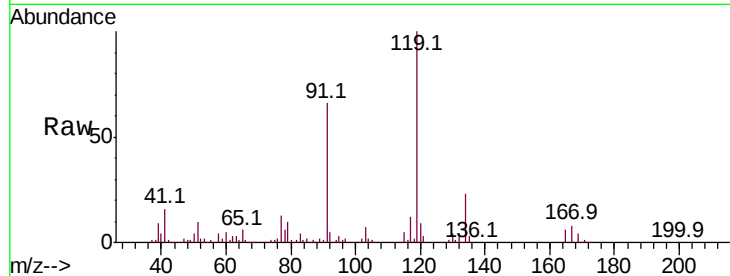
#83
tert-Butylbenzene
Concen: 44.819 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	411187		
91	61.6	30.1	90.3	
134	22.4	10.9	32.9	

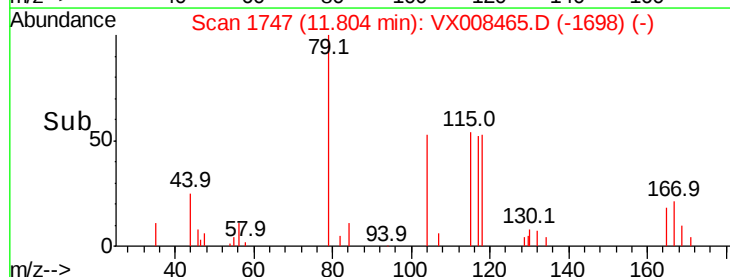
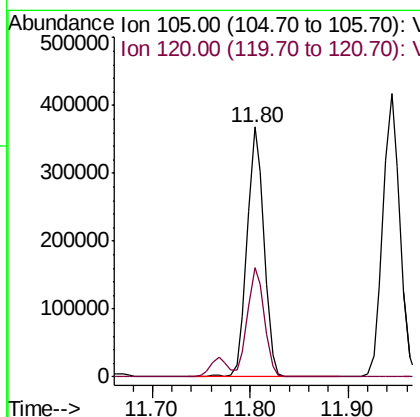
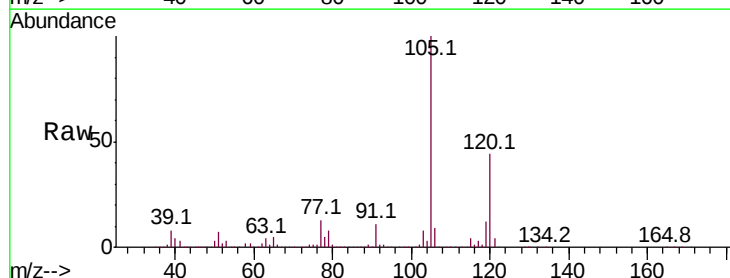
Manual Integrations
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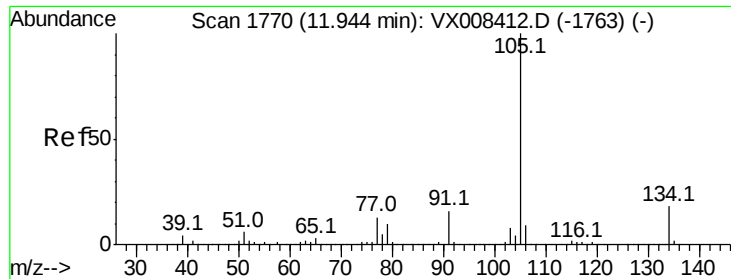
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#84
1,2,4-Trimethylbenzene
Concen: 45.922 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	441679		
120	43.0	21.6	65.0	





#85

sec-Butylbenzene

Concen: 46.017 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

MW-104MSD

Tot Ion:105 Resp: 502755

Ion Ratio Lower Upper

105 100

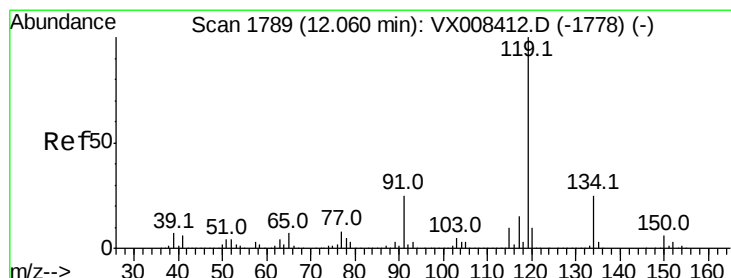
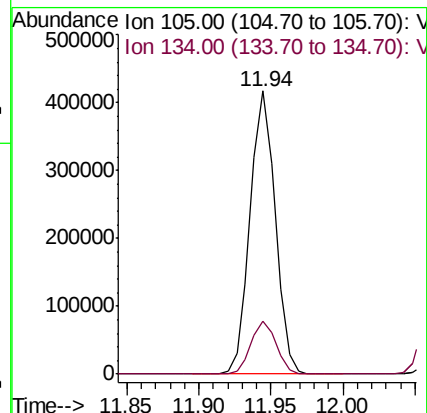
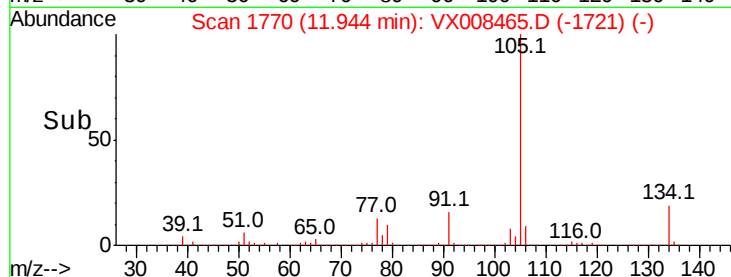
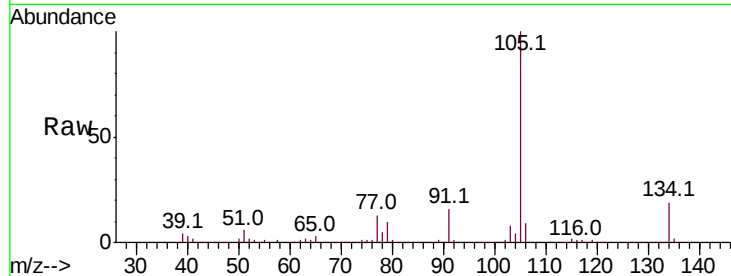
134 19.0 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 46.808 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

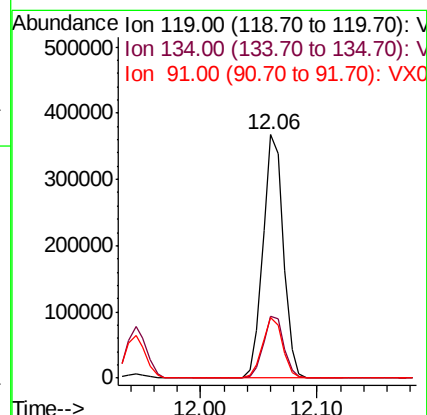
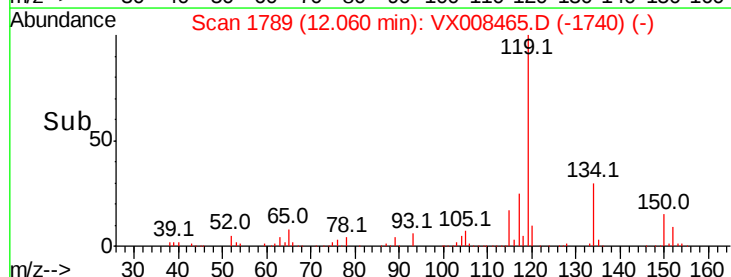
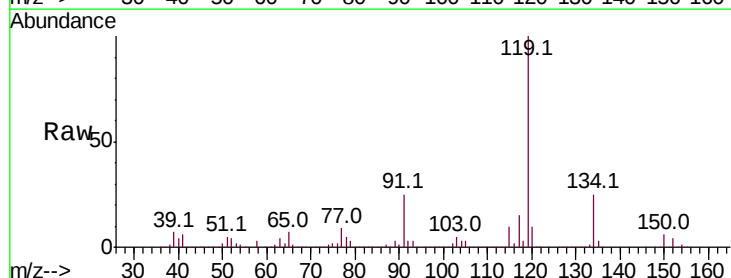
Tgt Ion:119 Resp: 451250

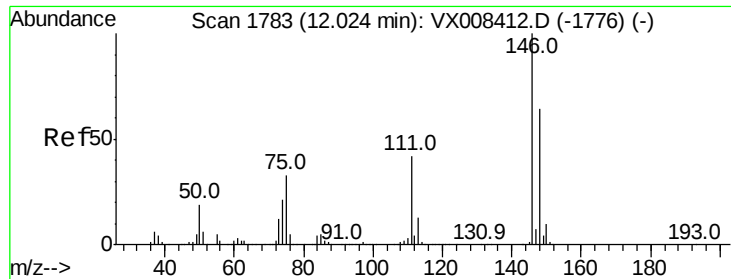
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.6 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 45.901 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008465.D

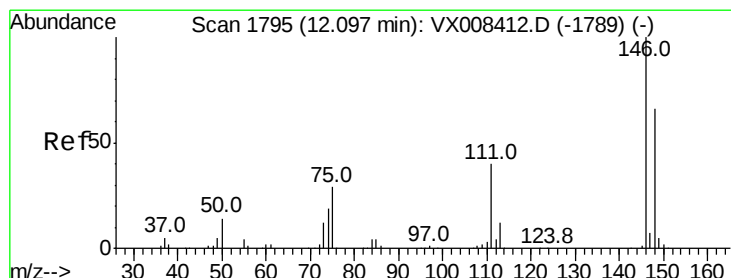
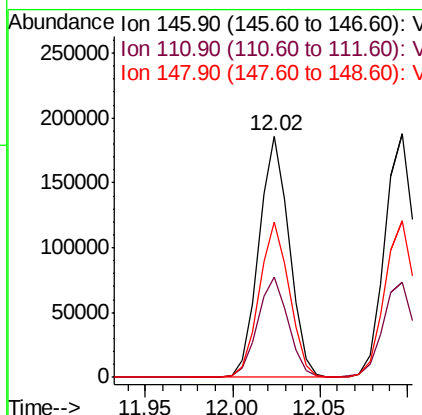
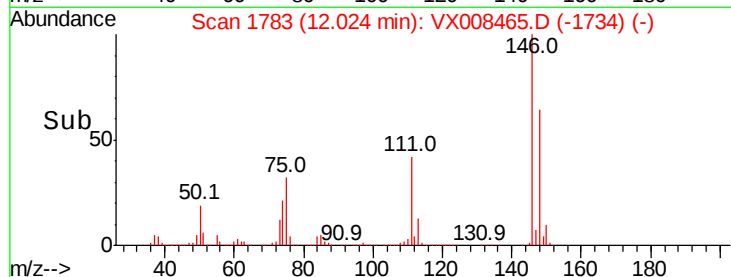
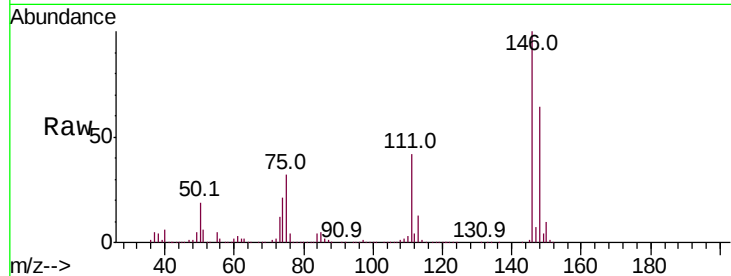
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.5
148	63.9	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 45.645 ug/l

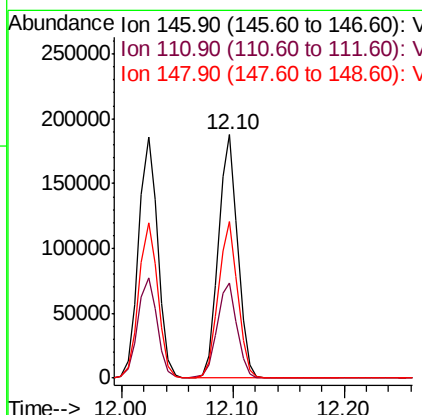
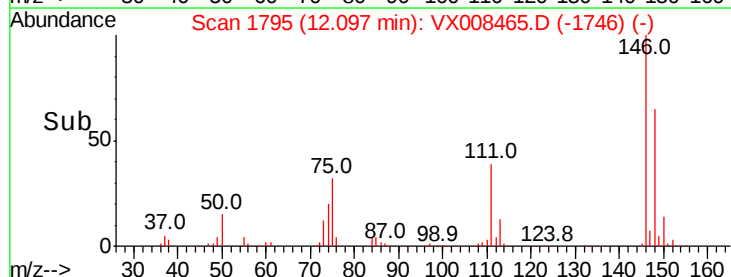
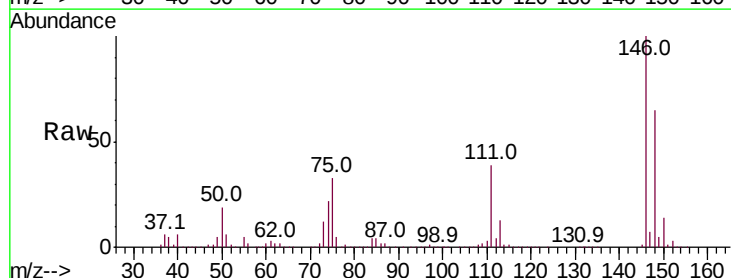
RT: 12.10 min Scan# 1795

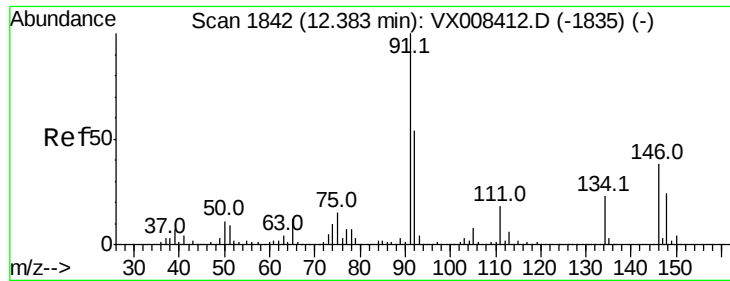
Delta R.T. -0.00 min

Lab File: VX008465.D

Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	61.0
148	64.6	32.1	96.5





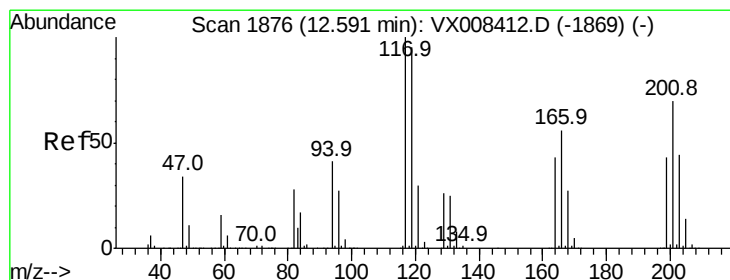
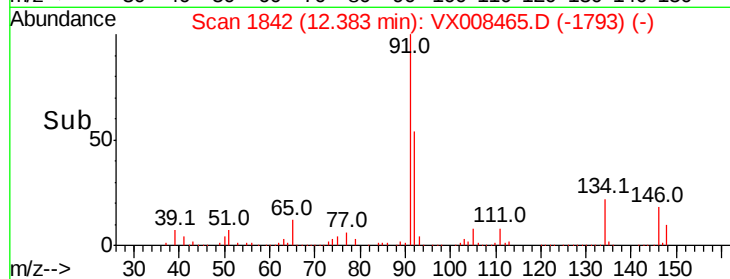
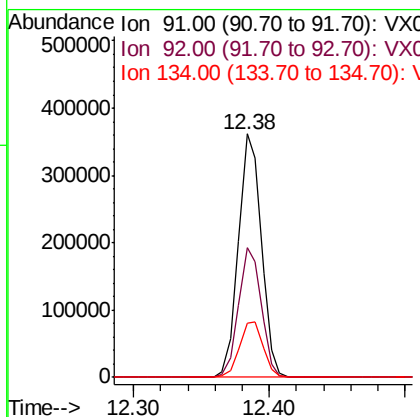
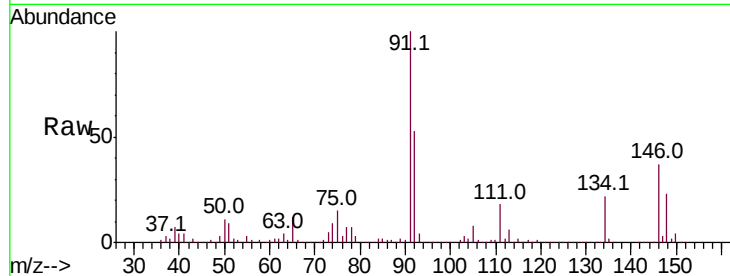
#89
n-Butylbenzene
Concen: 46.441 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	23.6	11.8	35.4

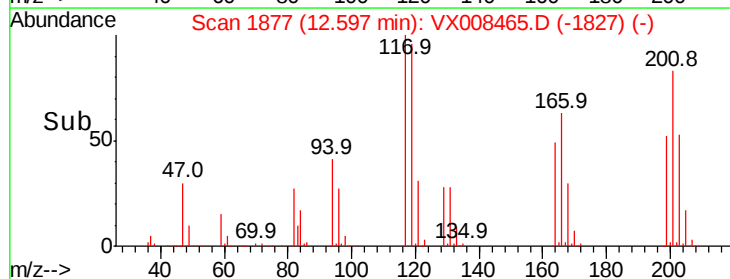
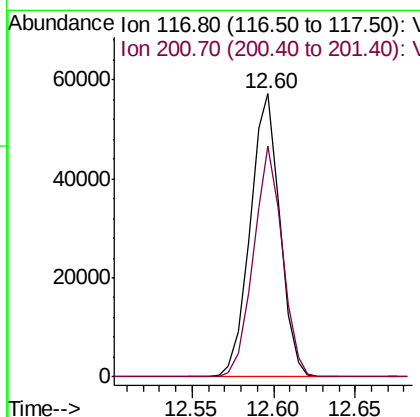
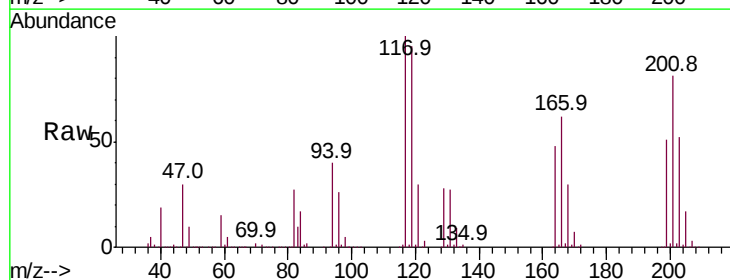
Manual Integrations
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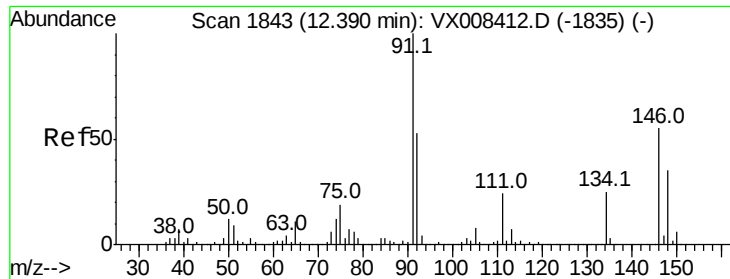
MMDadoda
3/27/2019 10:41:57 AM



#90
Hexachloroethane
Concen: 45.246 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	39.4	118.1





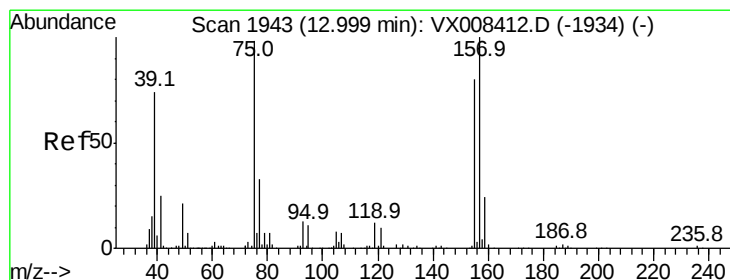
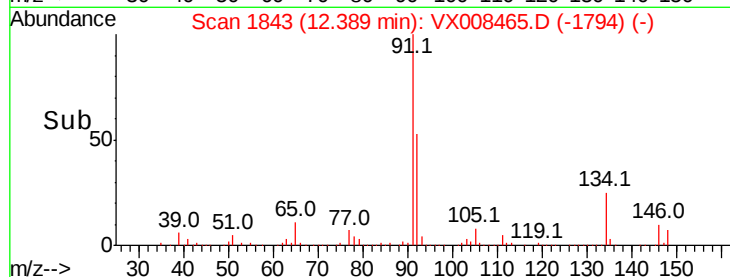
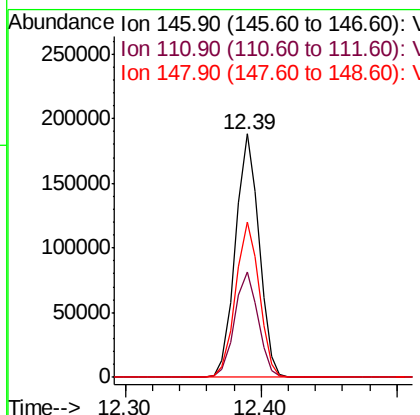
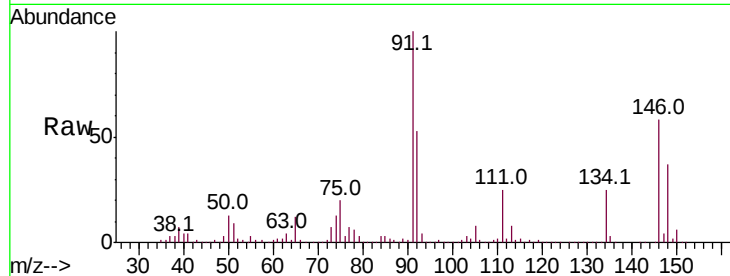
#91
 1,2-Dichlorobenzene
 Concen: 46.517 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008465.D
 Acq: 26 Mar 2019 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.6
148	63.9	31.9	95.7

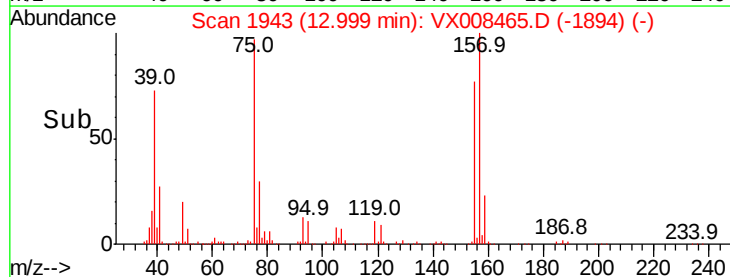
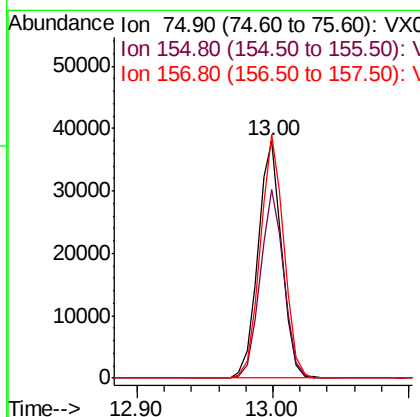
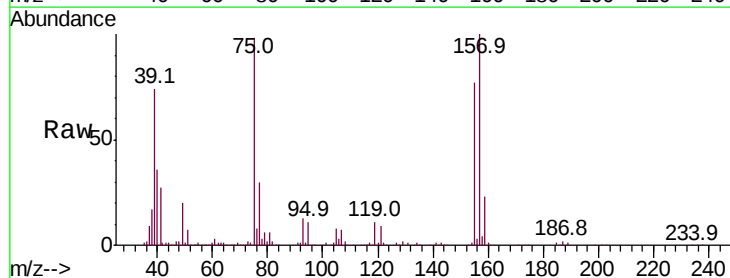
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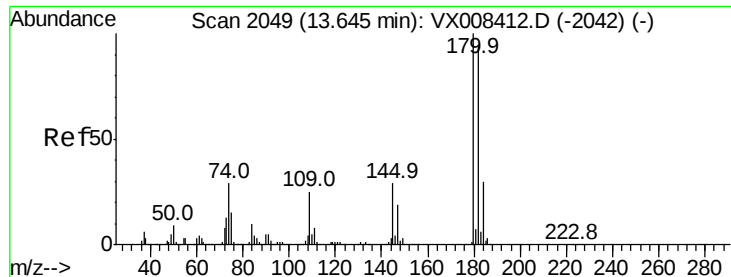
MMDadoda
 3/27/2019 10:41:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.974 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008465.D
 Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	39.5	118.5
157	101.8	49.9	149.7





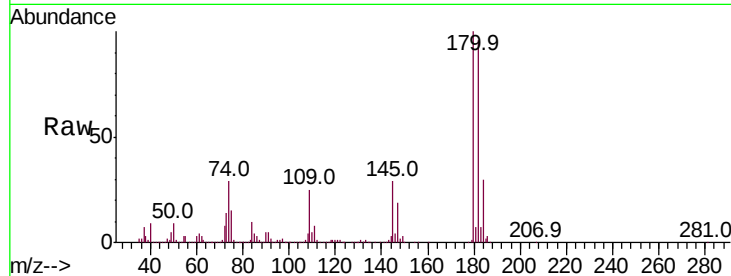
#93
 1,2,4-Trichlorobenzene
 Concen: 47.203 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008465.D
 Acq: 26 Mar 2019 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104MSD

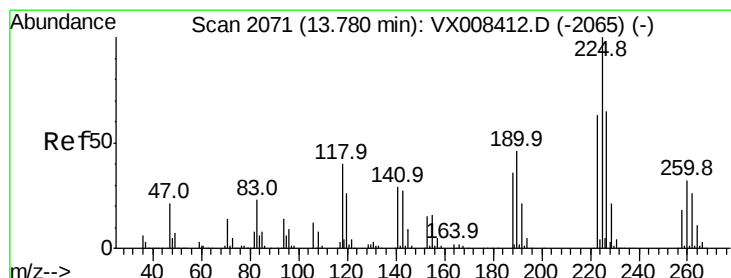
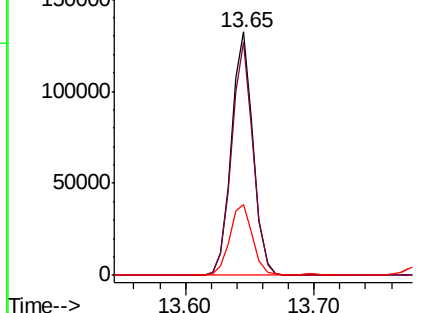
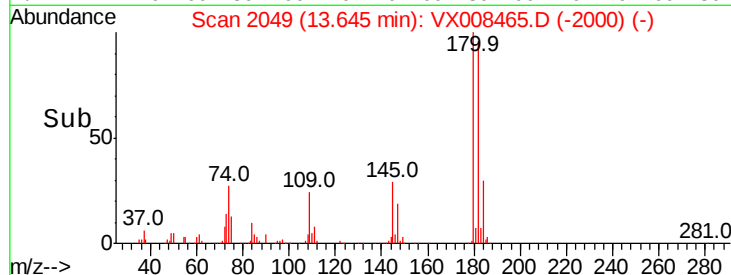
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.3	142.0	
145	30.8	15.3	45.8	

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 3/27/2019 10:41:57 AM

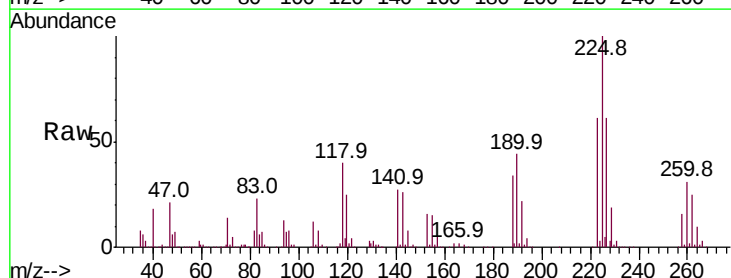


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

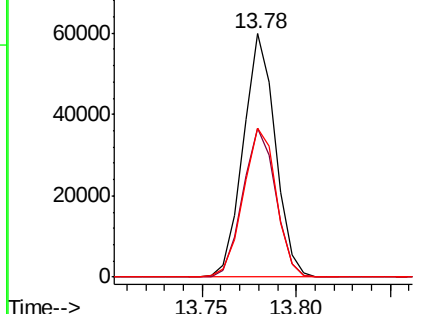
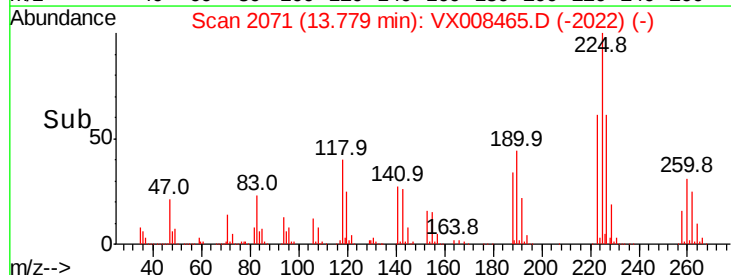


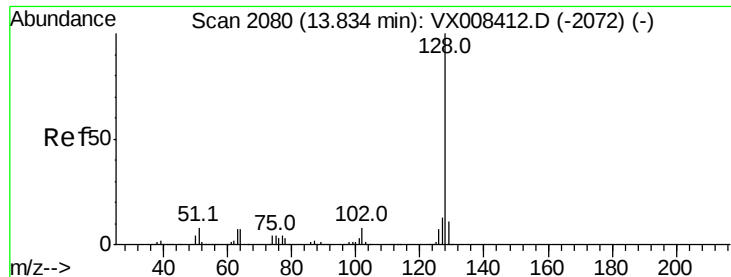
#94
 Hexachlorobutadiene
 Concen: 45.108 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008465.D
 Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.4	94.0	
227	63.1	31.9	95.9	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





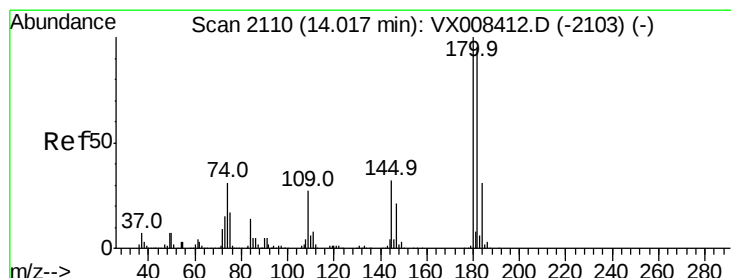
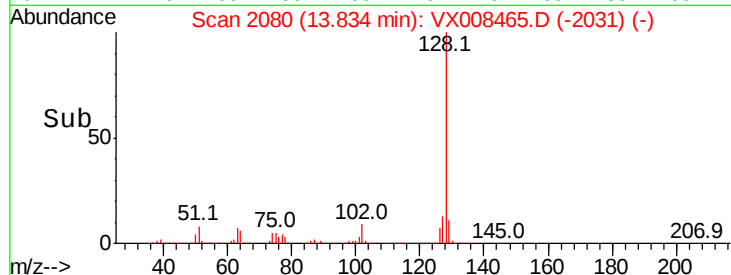
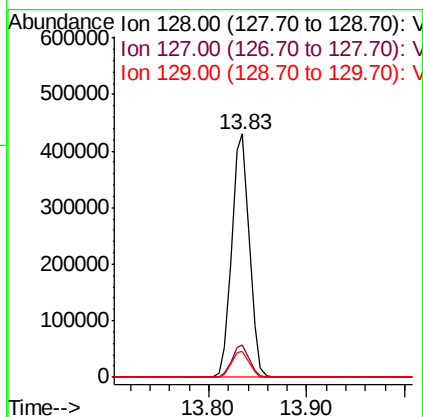
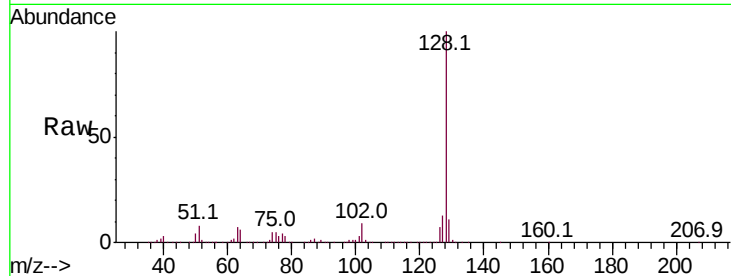
#95
Naphthalene
Concen: 47.792 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
MW-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	538811		
127	13.1		10.4	15.6
129	11.0		8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 47.892 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008465.D
Acq: 26 Mar 2019 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	158252		
182	94.3		47.3	142.0
145	33.1		16.2	48.5

